

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
 Data File : BF117537.D
 Acq On : 25 Oct 2019 15:45
 Operator : JU
 Sample : K5503-MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 802-00-(0-2)MSD

Quant Time: Oct 26 00:11:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	35236	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	142101	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	70451	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	102006	20.00	ng	0.00
76) Chrysene-d12	13.89	240	69823	20.00	ng	0.00
87) Perylene-d12	15.33	264	76577	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	266589	112.56	ng	0.00
7) Phenol-d6	6.39	99	370703	116.53	ng	0.00
23) Nitrobenzene-d5	7.30	82	229934	79.88	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	65612	107.63	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	372599	74.52	ng	0.00
79) Terphenyl-d14	12.83	244	273118	63.80	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.44	88	37337	37.495	ng	# 92
3) Pyridine	3.17	79	83270	34.159	ng	99
4) n-Nitrosodimethylamine	3.10	42	37036	41.879	ng	98
6) Aniline	6.40	93	76470	20.476	ng	# 1
8) 2-Chlorophenol	6.52	128	112735	45.108	ng	98
9) Benzaldehyde	6.28	77	65784	43.497	ng	93
10) Phenol	6.40	94	149396	46.013	ng	# 81
11) bis(2-Chloroethyl)ether	6.47	93	105763	44.040	ng	98
12) 1,3-Dichlorobenzene	6.67	146	116440	41.750	ng	100
13) 1,4-Dichlorobenzene	6.75	146	119931	42.389	ng	99
14) 1,2-Dichlorobenzene	6.90	146	112379	42.138	ng	98
15) Benzyl Alcohol	6.88	79	100895	44.393	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.00	45	108975	42.064	ng	# 39
17) 2-Methylphenol	7.00	107	95515	46.457	ng	93
18) Hexachloroethane	7.23	117	44421	40.225	ng	93
19) n-Nitroso-di-n-propylamine	7.15	70	85529	44.024	ng	96
20) 3+4-Methylphenols	7.16	107	123926	45.973	ng	# 66
22) Acetophenone	7.15	105	164031	43.471	ng	# 94
24) Nitrobenzene	7.32	77	126484	45.879	ng	99
25) Isophorone	7.56	82	232354	46.663	ng	98
26) 2-Nitrophenol	7.63	139	57816	47.020	ng	99
27) 2,4-Dimethylphenol	7.68	122	98420	53.559	ng	99
28) bis(2-Chloroethoxy)methane	7.76	93	135431	44.077	ng	99
29) 2,4-Dichlorophenol	7.89	162	87404	45.348	ng	99
30) 1,2,4-Trichlorobenzene	7.96	180	89898	43.463	ng	99
31) Naphthalene	8.03	128	321916	45.704	ng	99
32) Benzoic acid	7.83	122	45761	36.357	ng	93
33) 4-Chloroaniline	8.10	127	39851	13.406	ng	98
34) Hexachlorobutadiene	8.15	225	49501	41.348	ng	97
35) Caprolactam	8.46	113	18763	30.303	ng	96
36) 4-Chloro-3-methylphenol	8.59	107	103053	46.881	ng	99
37) 2-Methylnaphthalene	8.72	142	219223	46.190	ng	98
38) 1-Methylnaphthalene	8.82	142	206975	46.409	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.89	216	82394	43.422	ng	99

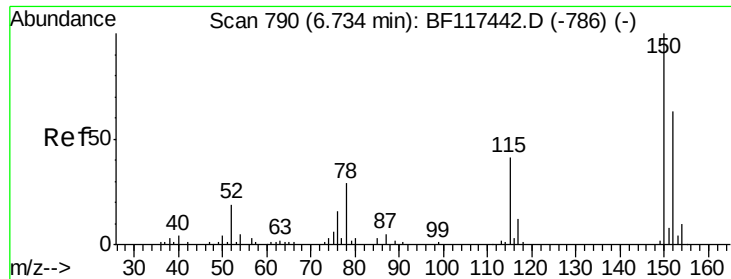
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
 Data File : BF117537.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.87	237	13960	38.877	nq	97
43) 2,4,6-Trichlorophenol	9.02	196	55298	46.536	nq	95
44) 2,4,5-Trichlorophenol	9.06	196	59392	49.324	nq	96
46) 1,1'-Biphenyl	9.19	154	257938	44.225	nq	99
47) 2-Chloronaphthalene	9.21	162	194109	44.141	nq	99
48) 2-Nitroaniline	9.32	65	61589	42.663	nq	90
49) Acenaphthylene	9.62	152	301415	46.664	nq	99
50) Dimethylphthalate	9.49	163	276049	54.964	nq	99
51) 2,6-Dinitrotoluene	9.56	165	49130	46.878	nq	94
52) Acenaphthene	9.80	154	181325	45.756	nq	98
53) 3-Nitroaniline	9.73	138	23725	18.657	nq	95
54) 2,4-Dinitrophenol	9.86	184	17557	42.718	nq	95
55) Dibenzofuran	9.97	168	269697	46.973	nq	99
56) 4-Nitrophenol	9.92	139	40699	70.070	nq	94
57) 2,4-Dinitrotoluene	9.97	165	64159	46.045	nq	88
58) Fluorene	10.31	166	214775	45.235	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.10	232	40039	42.308	nq	96
60) Diethylphthalate	10.19	149	228904	45.060	nq	100
61) 4-Chlorophenyl-phenylether	10.30	204	95179	44.681	nq	94
62) 4-Nitroaniline	10.35	138	39821	33.223	nq	91
63) Azobenzene	10.46	77	238890	45.938	nq	99
65) 4,6-Dinitro-2-methylphenol	10.39	198	16986	32.752	nq	94
66) n-Nitrosodiphenylamine	10.42	169	186307	49.960	nq	98
67) 4-Bromophenyl-phenylether	10.79	248	51218	46.616	nq	98
68) Hexachlorobenzene	10.87	284	50478	42.899	nq	# 89
69) Atrazine	10.95	200	53235	56.109	nq	98
70) Pentachlorophenol	11.07	266	31171	88.367	nq	98
71) Phenanthrene	11.27	178	288675	48.737	nq	99
72) Anthracene	11.33	178	293391	48.275	nq	99
73) Carbazole	11.49	167	250479	45.098	nq	99
74) Di-n-butylphthalate	11.80	149	355773	47.941	nq	99
75) Fluoranthene	12.46	202	272788	46.005	nq	98
77) Benzidine	12.59	184	126886	Below Cal		98
78) Pyrene	12.69	202	271163	45.213	nq	99
80) Butylbenzylphthalate	13.30	149	129925	43.534	nq	99
81) Benzo(a)anthracene	13.88	228	217023	46.079	nq	98
82) 3,3'-Dichlorobenzidine	13.84	252	56571	38.278	nq	98
83) Chrysene	13.92	228	204278	44.255	nq	99
84) Bis(2-ethylhexyl)phthalate	13.86	149	185325	44.329	nq	# 96
85) Di-n-octyl phthalate	14.47	149	321659	50.042	nq	99
86) Indeno(1,2,3-cd)pyrene	16.74	276	209675	60.841	nq	97
88) Benzo(b)fluoranthene	14.92	252	213189	47.145	nq	98
89) Benzo(k)fluoranthene	14.94	252	191259	41.266	nq	98
90) Benzo(a)pyrene	15.27	252	192211	46.751	nq	96
91) Dibenzo(a,h)anthracene	16.74	278	179797	50.575	nq	98
92) Benzo(g,h,i)perylene	17.16	276	169185	50.298	nq	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

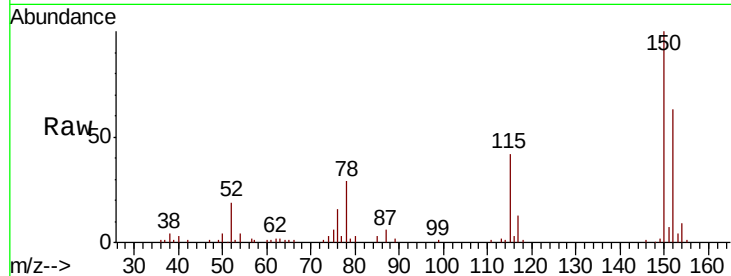


#1

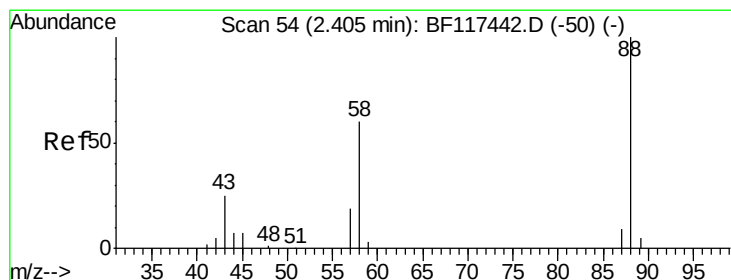
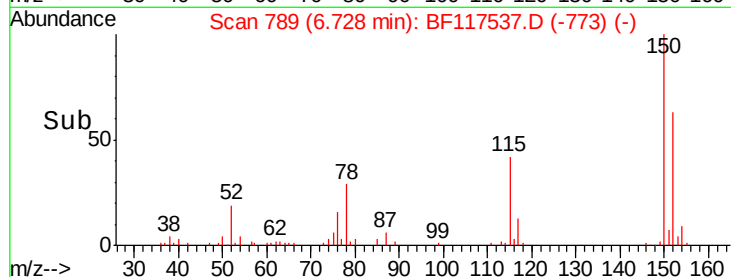
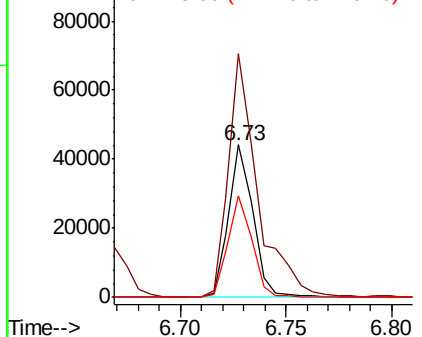
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion:152 Resp: 35236
Ion Ratio Lower Upper
152 100
150 159.8 126.8 190.2
115 67.0 51.6 77.4



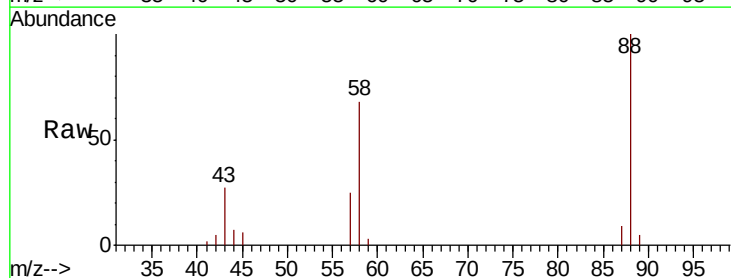
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



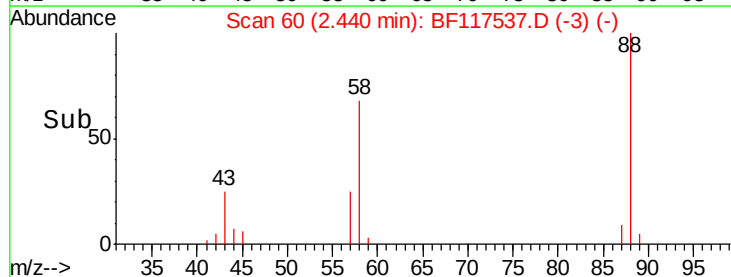
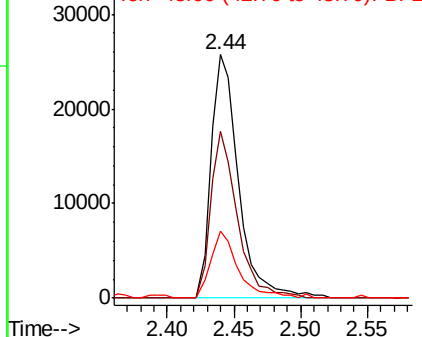
#2

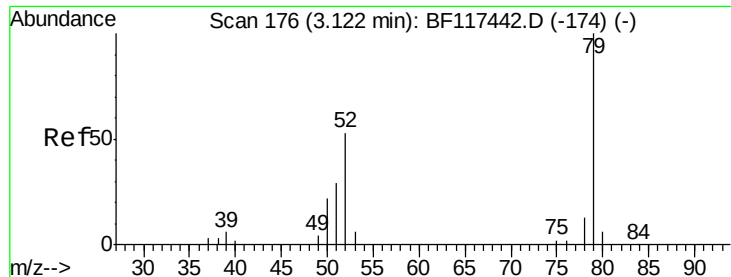
1,4-Dioxane
Concen: 37.495 ng
RT: 2.44 min Scan# 60
Delta R.T. 0.04 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion: 88 Resp: 37337
Ion Ratio Lower Upper
88 100
58 66.1 48.8 73.2
43 27.8 18.5 27.7#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 34.159 ng

RT: 3.17 min Scan# 184

Delta R.T. 0.05 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)MSD

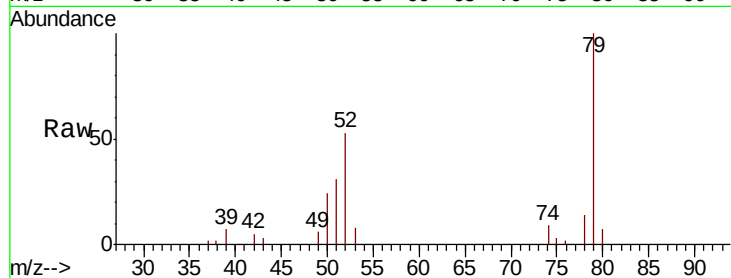
Tot Ion: 79 Resp: 83270

Ion Ratio Lower Upper

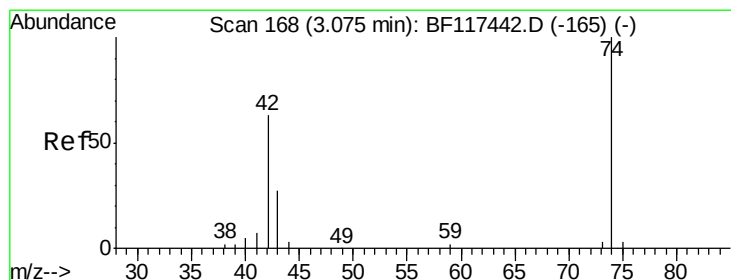
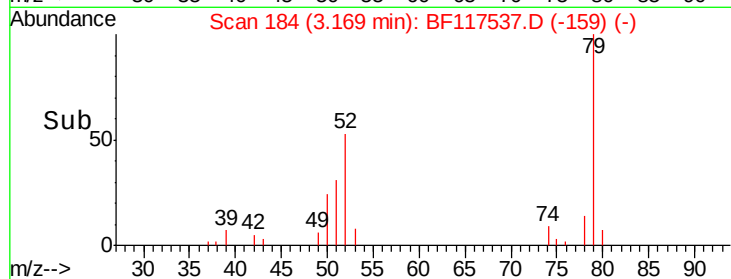
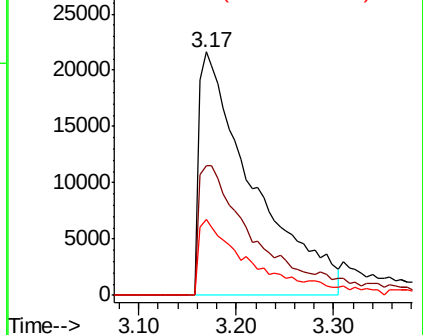
79 100

52 53.1 42.4 63.6

51 30.9 23.3 34.9



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 41.879 ng

RT: 3.10 min Scan# 173

Delta R.T. 0.03 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

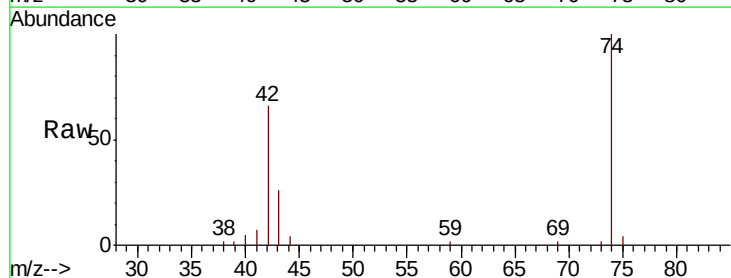
Tgt Ion: 42 Resp: 37036

Ion Ratio Lower Upper

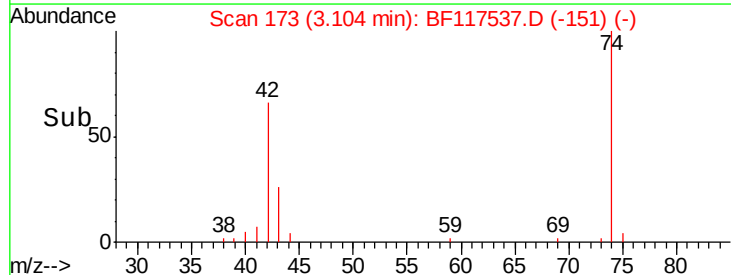
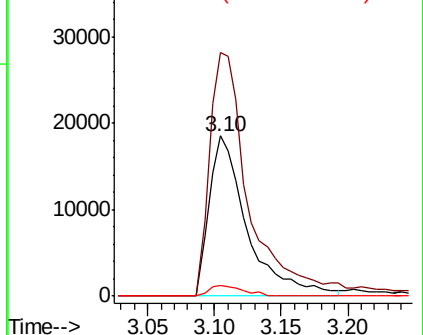
42 100

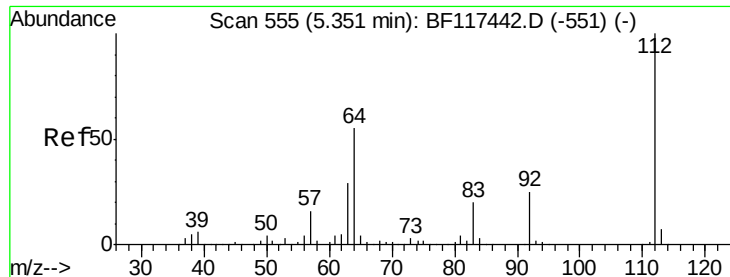
74 152.2 124.2 186.4

44 6.3 4.2 6.4



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 112.557 ng

RT: 5.36 min Scan# 556

Delta R.T. 0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)MSD

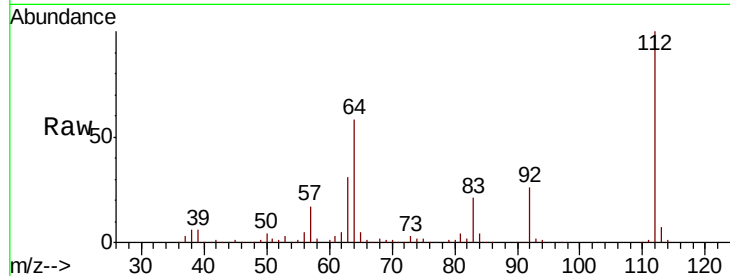
Tot Ion:112 Resp: 266589

Ion Ratio Lower Upper

112 100

64 58.4 44.1 66.1

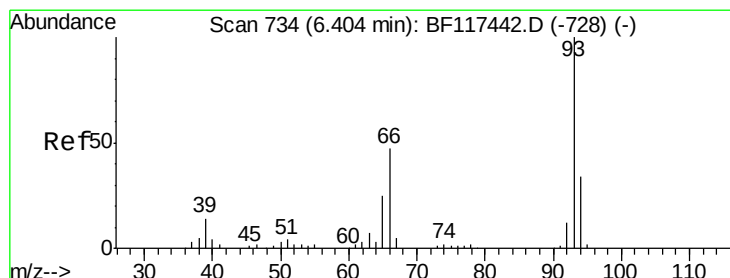
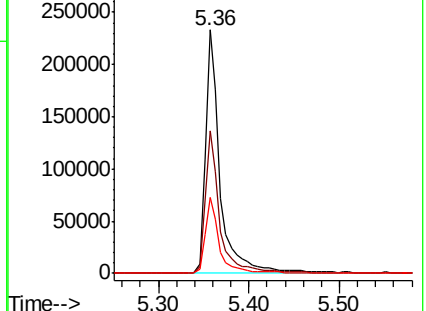
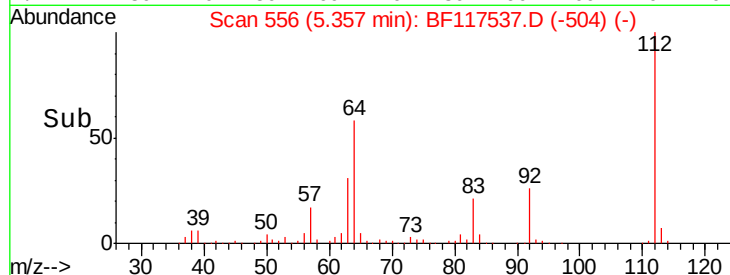
63 31.3 23.4 35.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 20.476 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

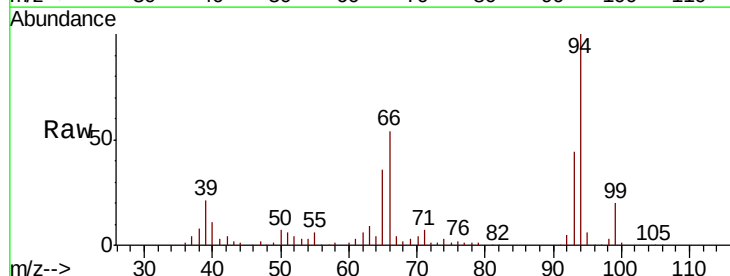
Tgt Ion: 93 Resp: 76470

Ion Ratio Lower Upper

93 100

66 124.3 38.7 58.1#

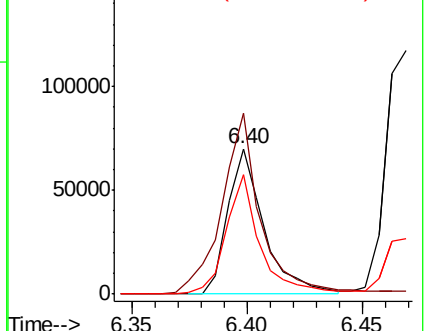
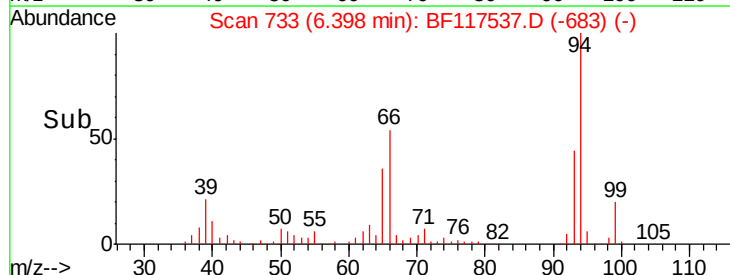
65 82.6 20.1 30.1#

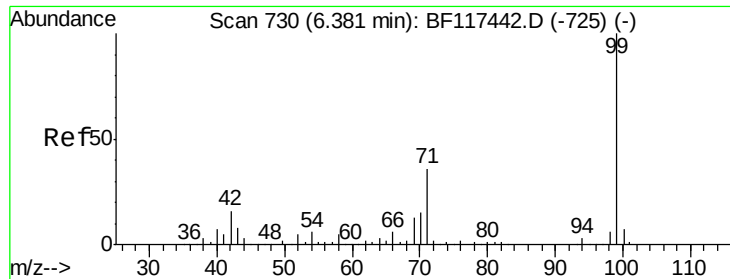


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 116.532 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)MSD

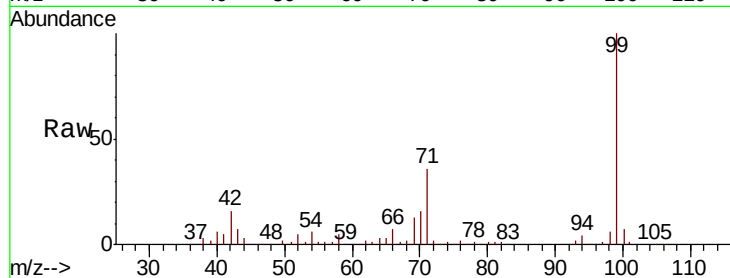
Tot Ion: 99 Resp: 370703

Ion Ratio Lower Upper

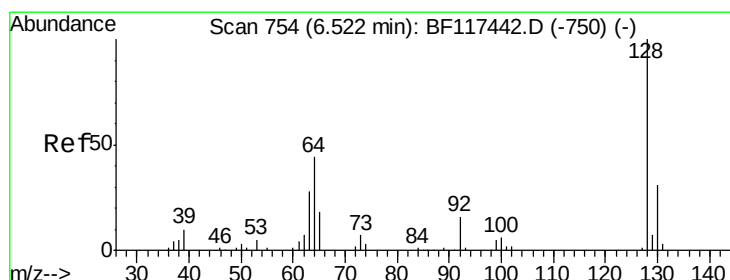
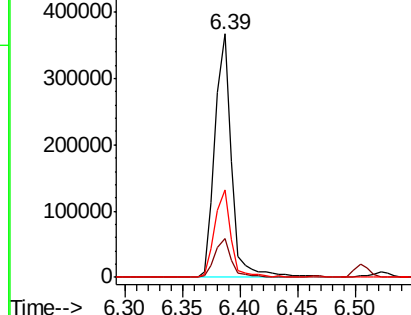
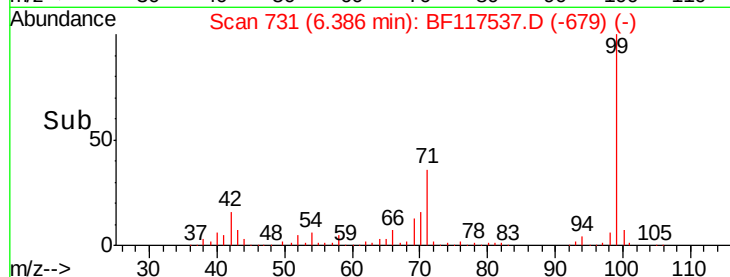
99 100

42 16.0 12.8 19.2

71 36.1 28.6 43.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 45.108 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

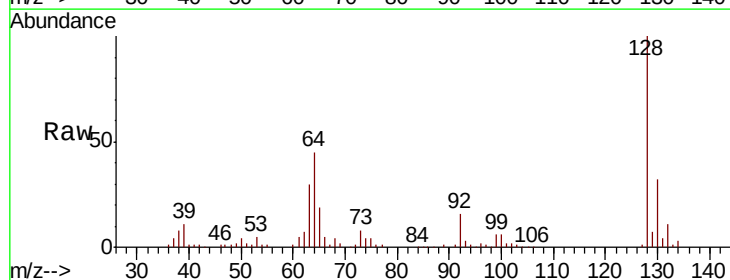
Tgt Ion: 128 Resp: 112735

Ion Ratio Lower Upper

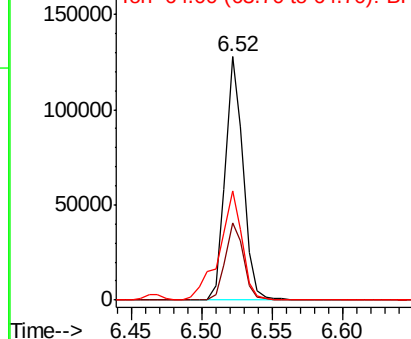
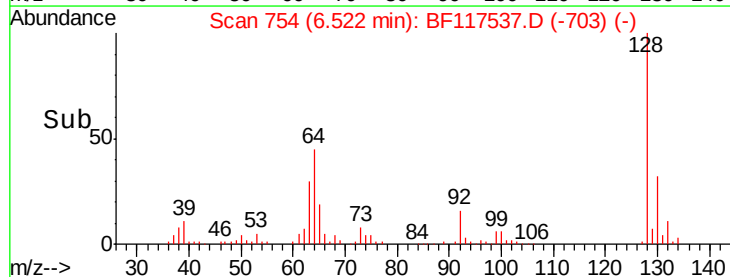
128 100

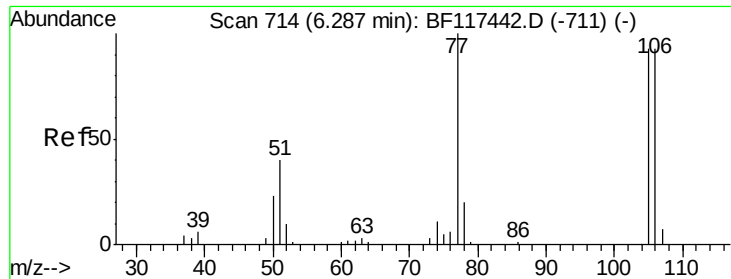
130 31.7 11.1 51.1

64 45.0 27.1 67.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 43.497 ng

RT: 6.28 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)MSD

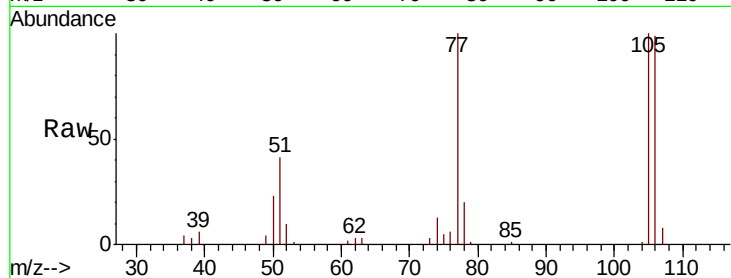
Tot Ion: 77 Resp: 65784

Ion Ratio Lower Upper

77 100

105 99.8 73.4 113.4

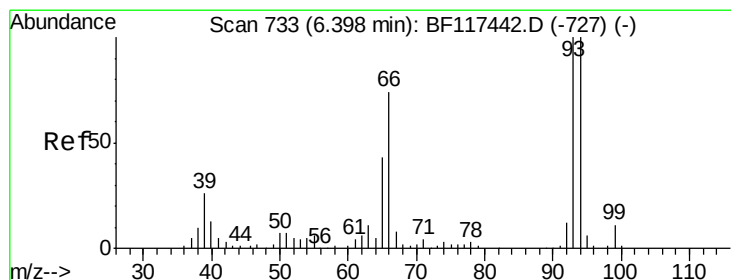
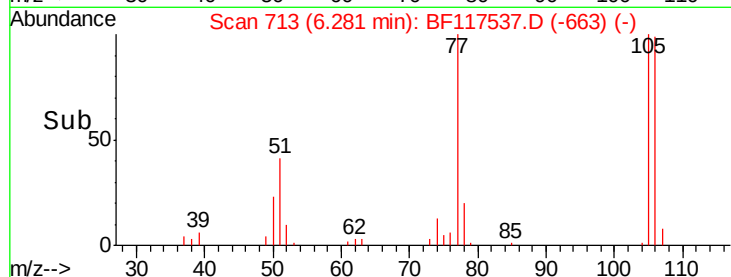
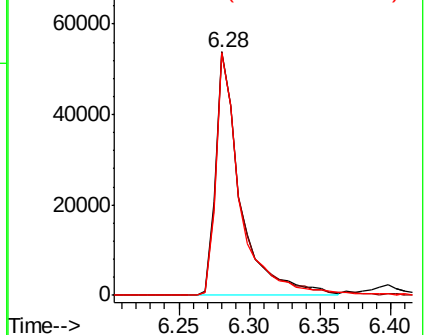
106 99.4 73.0 113.0



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 46.013 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

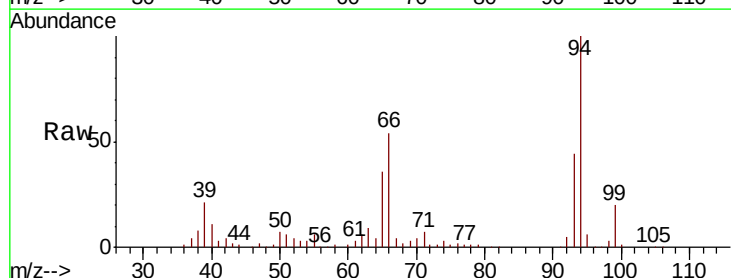
Tgt Ion: 94 Resp: 149396

Ion Ratio Lower Upper

94 100

65 36.0 23.4 63.4

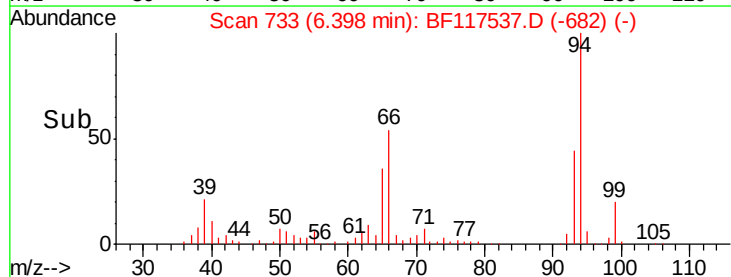
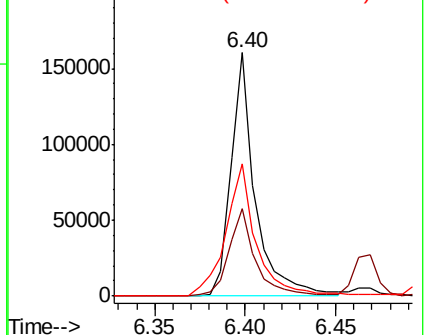
66 54.2 54.7 94.7#

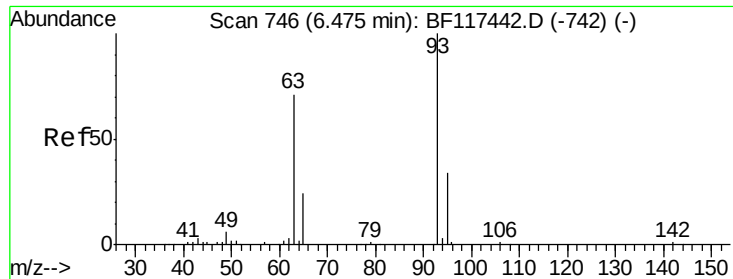


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 44.040 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)MSD

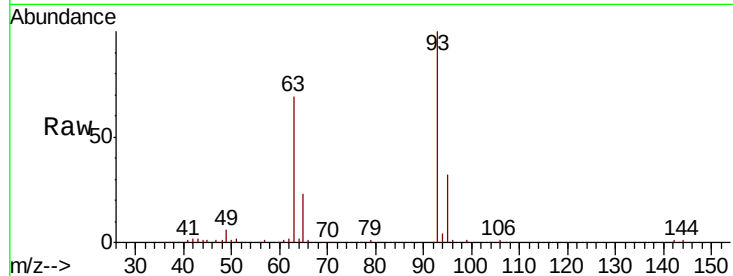
Tot Ion: 93 Resp: 105763

Ion Ratio Lower Upper

93 100

63 68.7 50.2 90.2

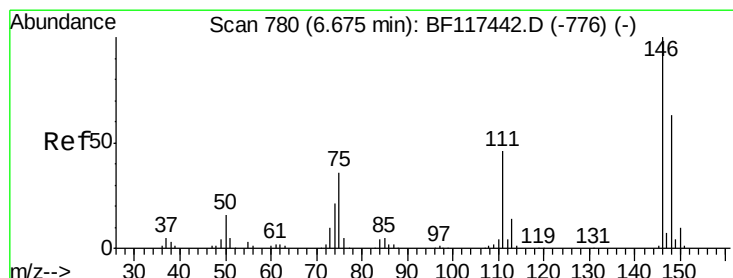
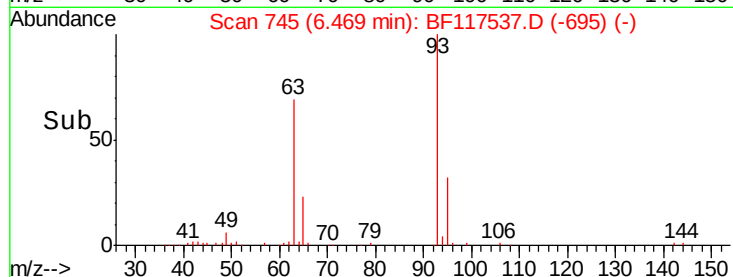
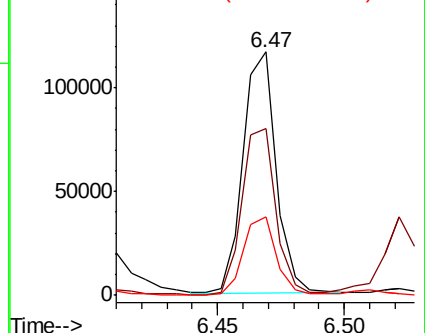
95 32.4 13.9 53.9



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 41.750 ng

RT: 6.67 min Scan# 779

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

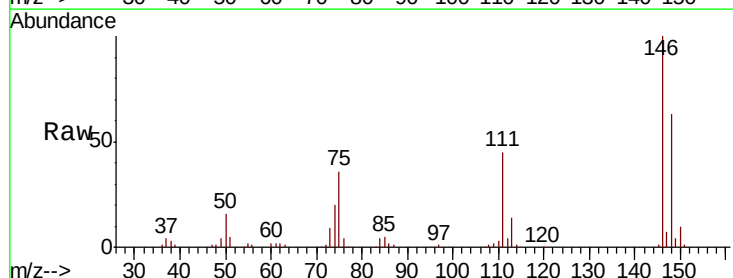
Tgt Ion: 146 Resp: 116440

Ion Ratio Lower Upper

146 100

148 62.7 50.6 75.8

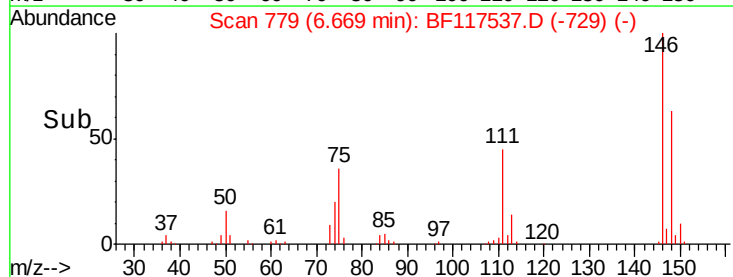
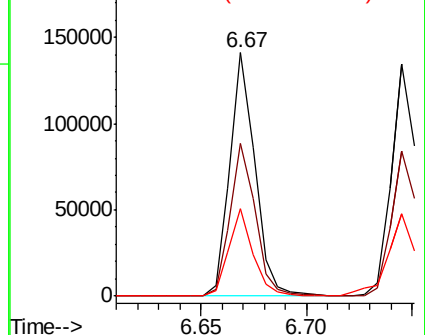
75 35.9 28.6 43.0

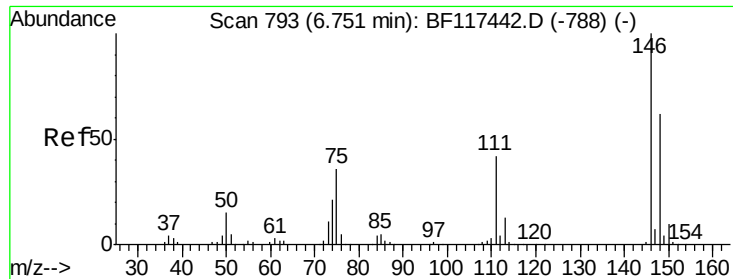


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1

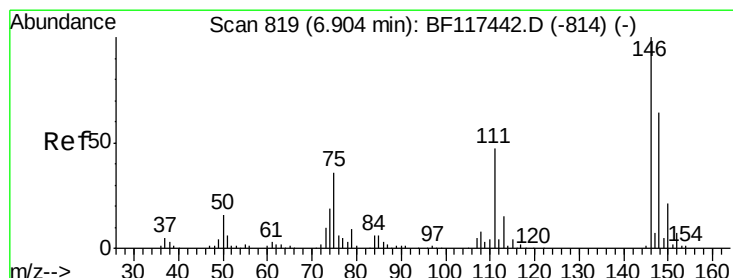
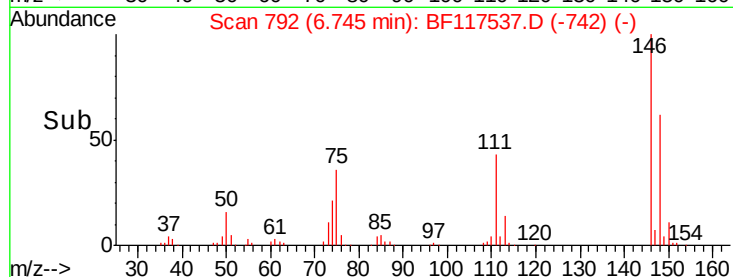
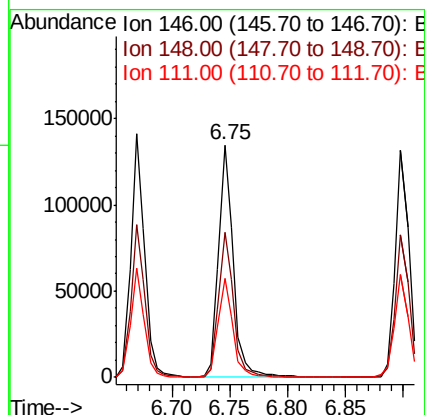
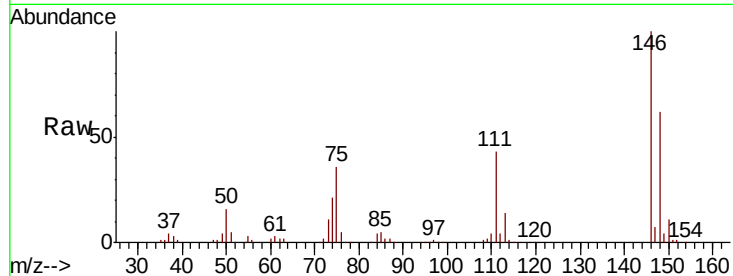




#13
 1,4-Dichlorobenzene
 Concen: 42.389 ng
 RT: 6.75 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

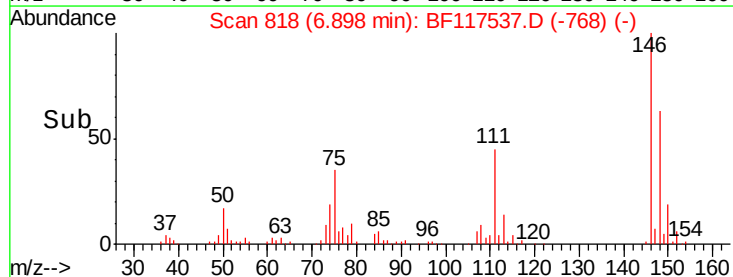
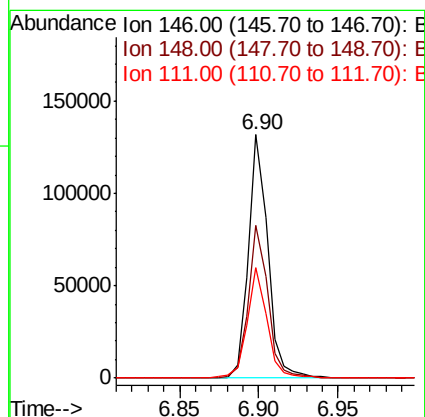
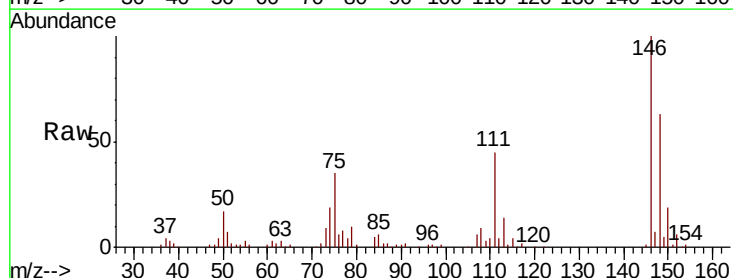
Instrument :
 BNA_F
 ClientSampleId :
 802-00-(0-2)MSD

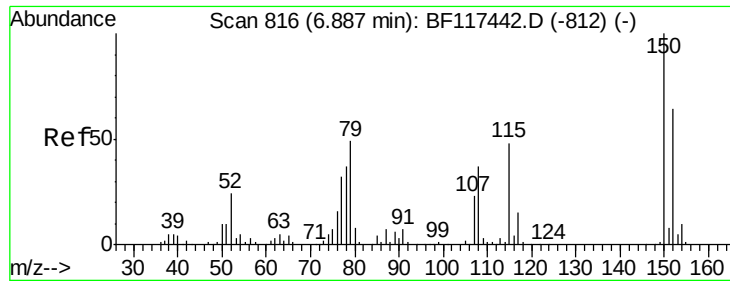
Tot Ion:146 Resp: 119931
 Ion Ratio Lower Upper
 146 100
 148 62.3 49.3 73.9
 111 42.8 33.6 50.4



#14
 1,2-Dichlorobenzene
 Concen: 42.138 ng
 RT: 6.90 min Scan# 818
 Delta R.T. -0.01 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Tgt Ion:146 Resp: 112379
 Ion Ratio Lower Upper
 146 100
 148 62.7 51.4 77.0
 111 45.2 37.7 56.5

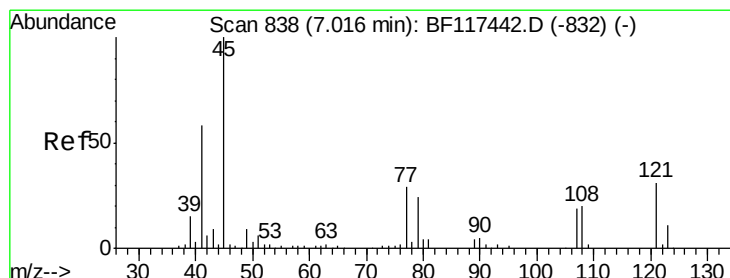
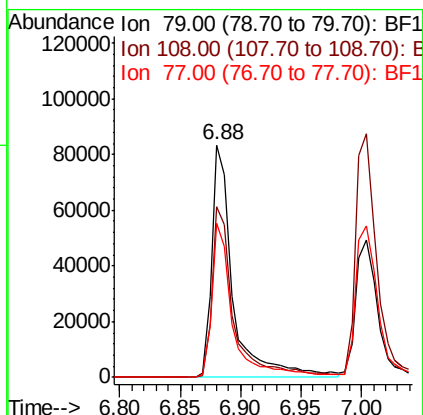
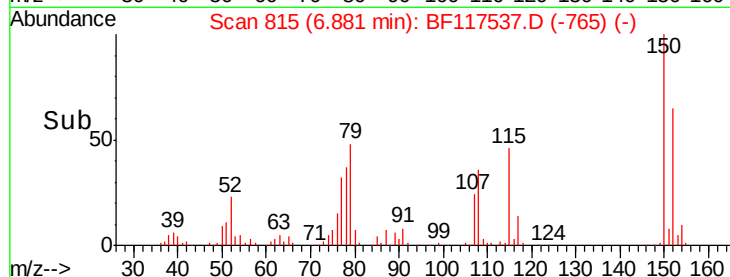
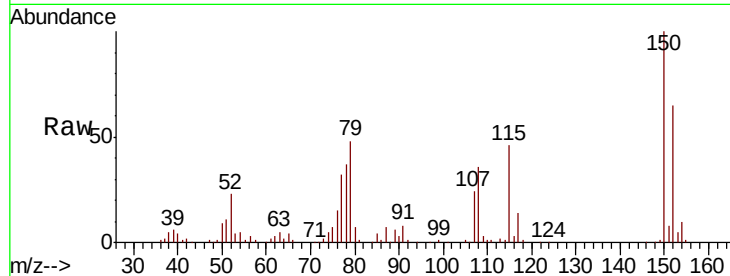




#15
Benzyl Alcohol
Concen: 44.393 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

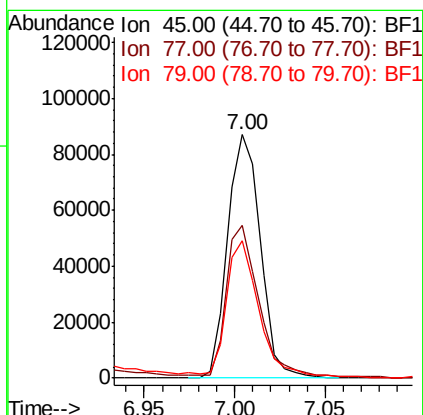
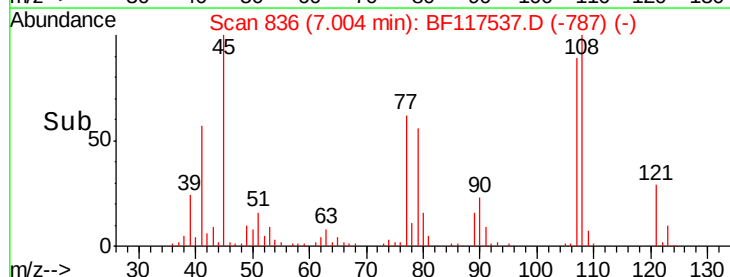
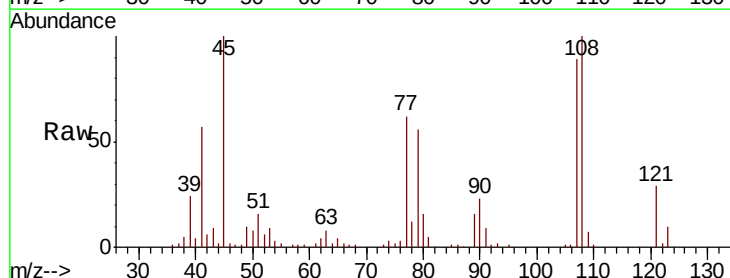
Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

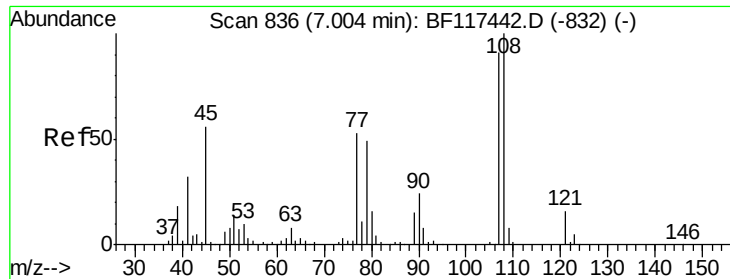
Tot Ion: 79 Resp: 100895
Ion Ratio Lower Upper
79 100
108 73.3 59.8 89.8
77 66.5 51.4 77.0



#16
2,2'-oxybis(1-chloropropane)
Concen: 42.064 ng
RT: 7.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion: 45 Resp: 108975
Ion Ratio Lower Upper
45 100
77 62.6 9.9 49.9#
79 56.6 5.5 45.5#

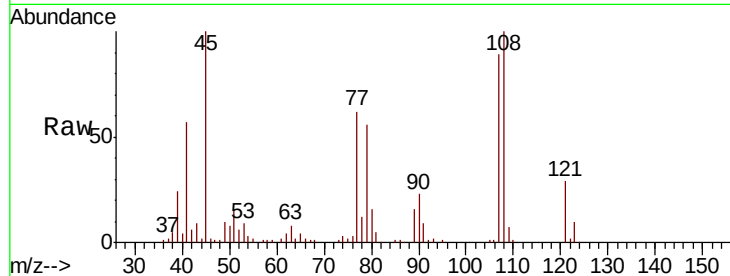




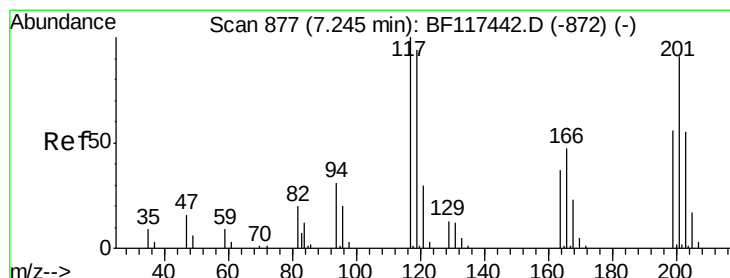
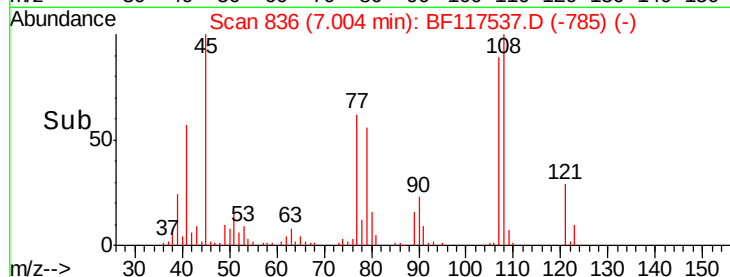
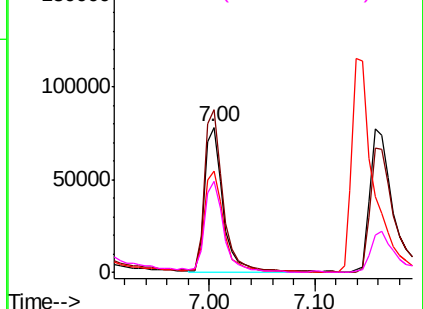
#17
2-Methylphenol
Concen: 46.457 ng
RT: 7.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion:107 Resp: 95515
Ion Ratio Lower Upper
107 100
108 111.9 88.0 132.0
77 69.7 47.2 70.8
79 63.0 44.1 66.1

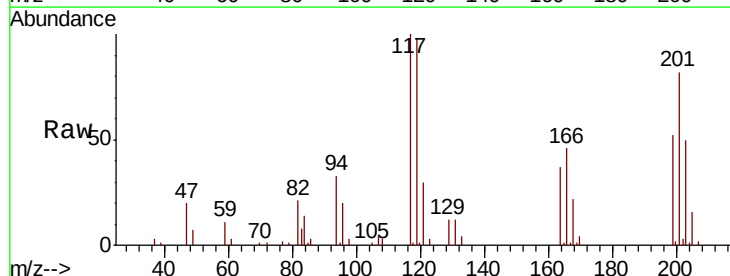


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

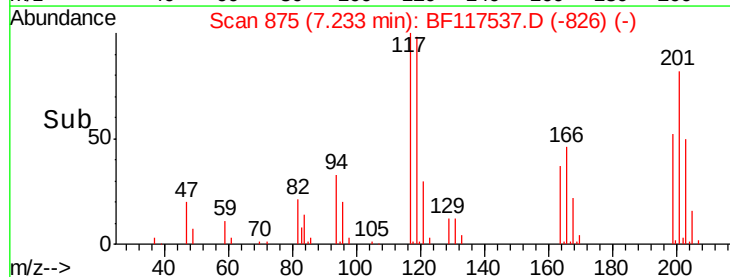
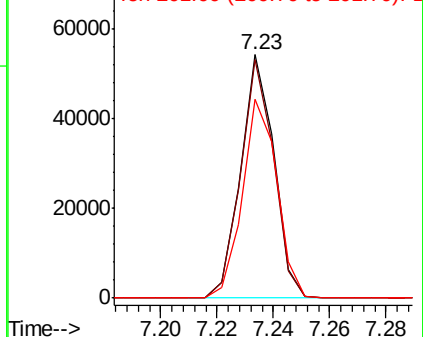


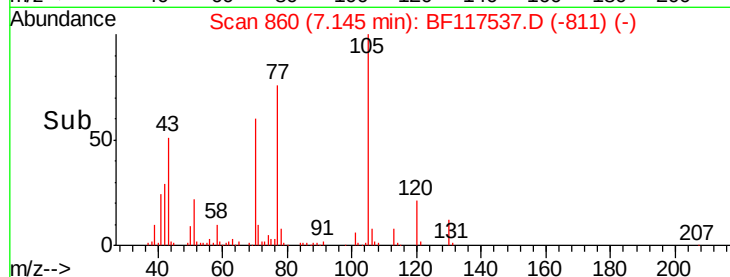
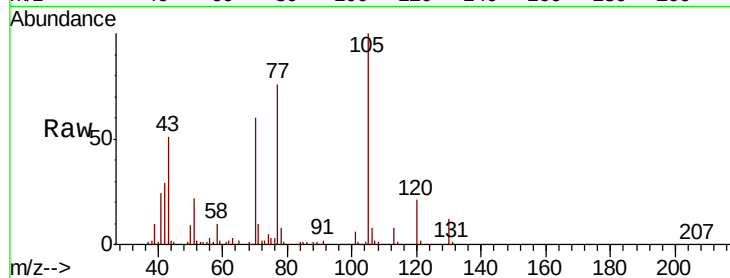
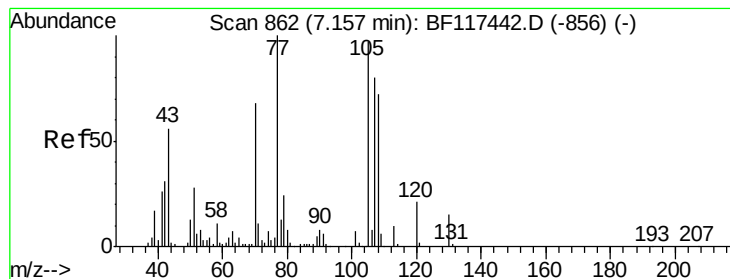
#18
Hexachloroethane
Concen: 40.225 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion:117 Resp: 44421
Ion Ratio Lower Upper
117 100
119 98.1 75.4 113.0
201 81.6 72.5 108.7



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 44.024 ng

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)MSD

Tot Ion: 70 Resp: 85529

Ion Ratio Lower Upper

70 100

42 47.8 36.7 55.1

101 9.6 8.3 12.5

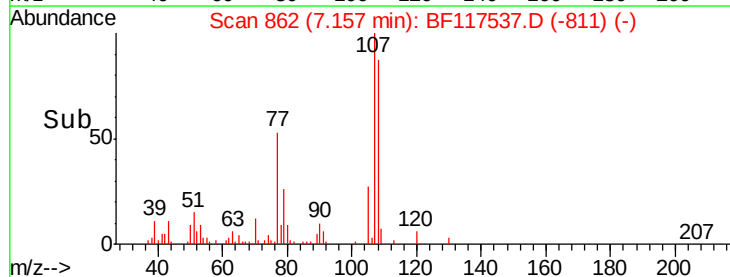
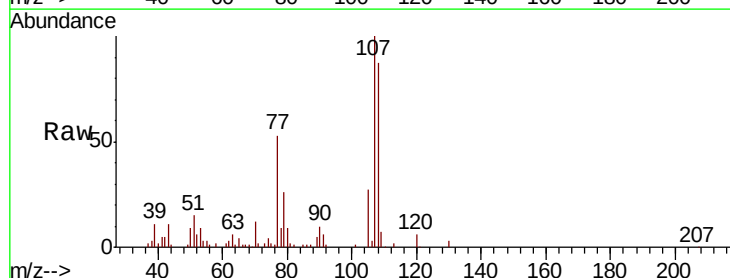
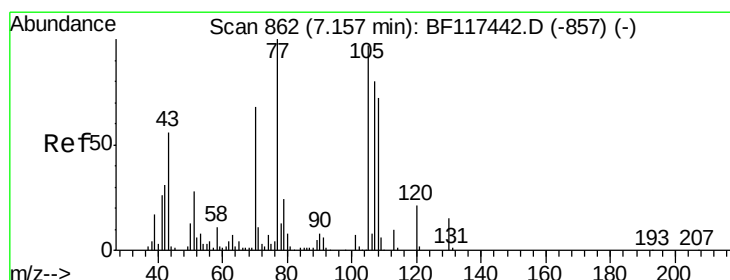
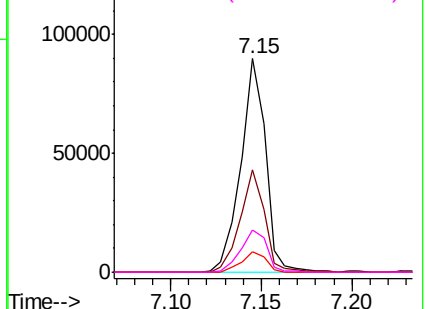
130 19.8 18.1 27.1

Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20

3+4-Methylphenols

Concen: 45.973 ng

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Tgt Ion: 107 Resp: 123926

Ion Ratio Lower Upper

107 100

108 86.8 70.3 110.3

77 52.9 104.8 144.8#

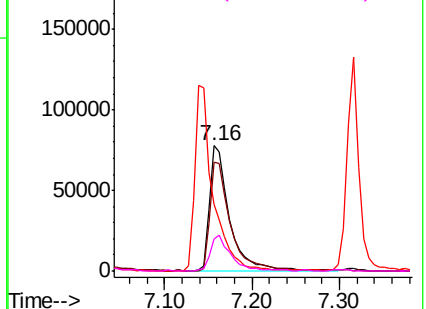
79 26.1 10.0 50.0

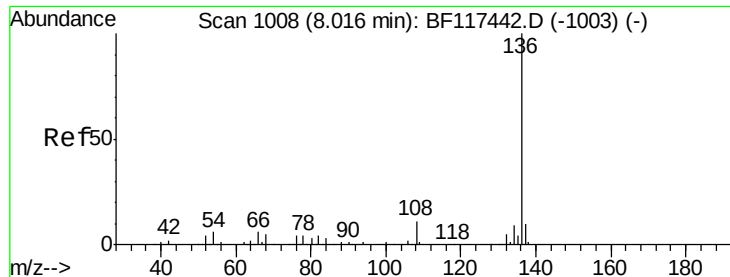
Abundance Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)MSD

Tot Ion:136 Resp: 142101

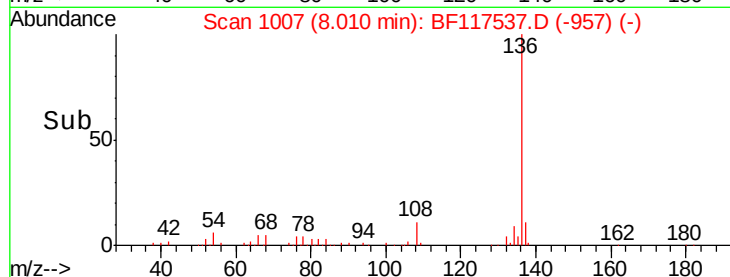
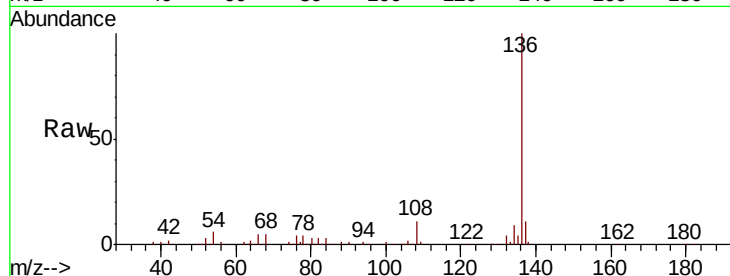
Ion Ratio Lower Upper

136 100

137 10.6 8.2 12.4

54 5.7 4.5 6.7

68 5.0 4.3 6.5

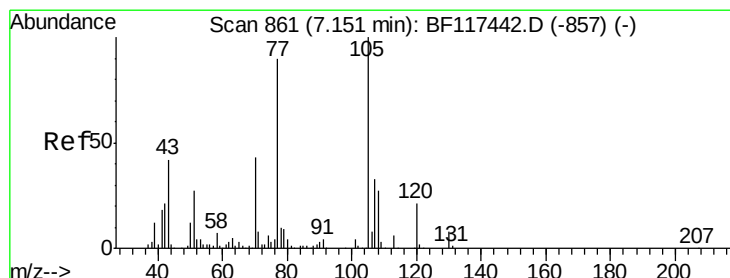
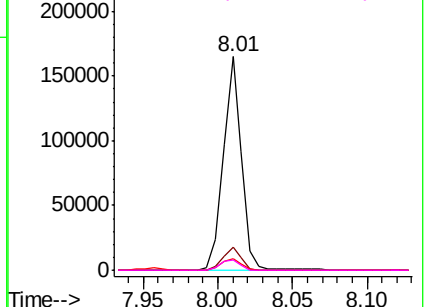


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 43.471 ng

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Tgt Ion:105 Resp: 164031

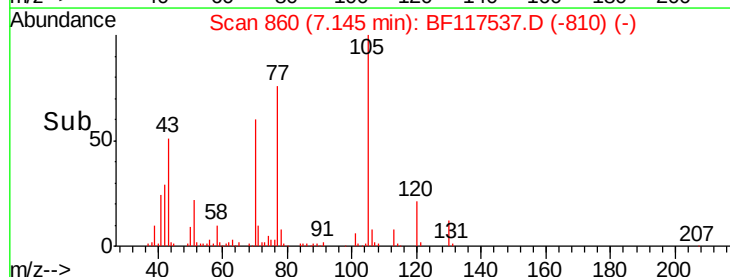
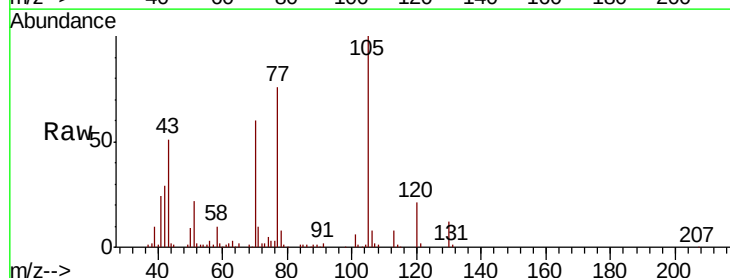
Ion Ratio Lower Upper

105 100

71 9.8 6.2 9.2#

51 21.6 21.8 32.6#

120 21.0 16.7 25.1

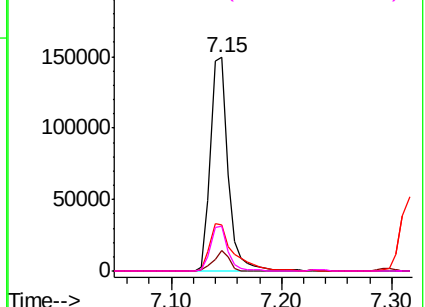


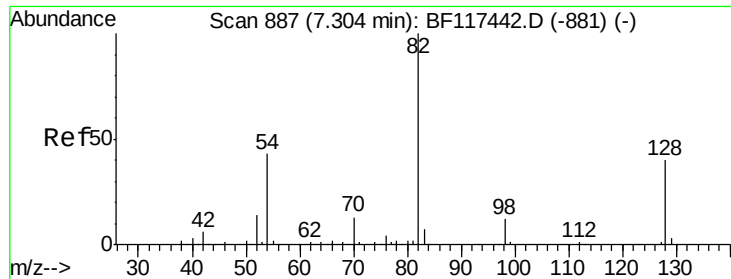
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

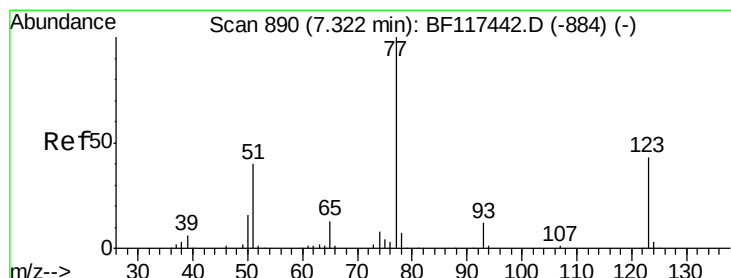
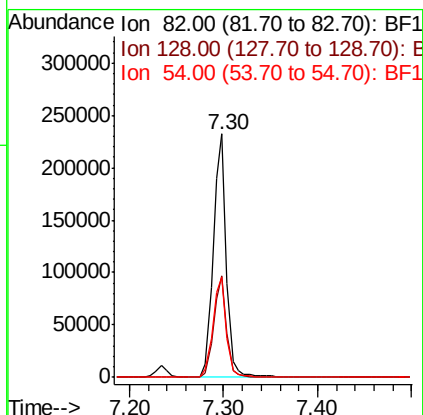
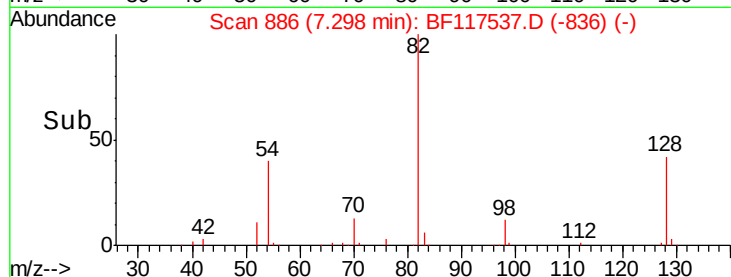
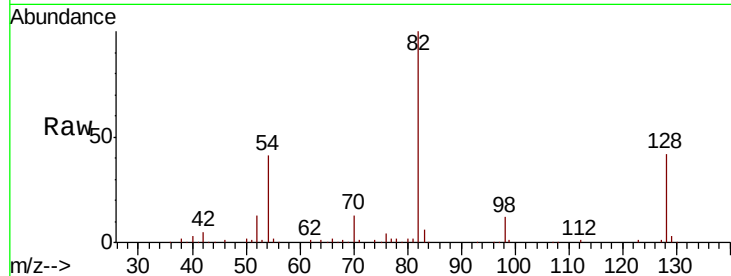




#23
Nitrobenzene-d5
Concen: 79.882 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

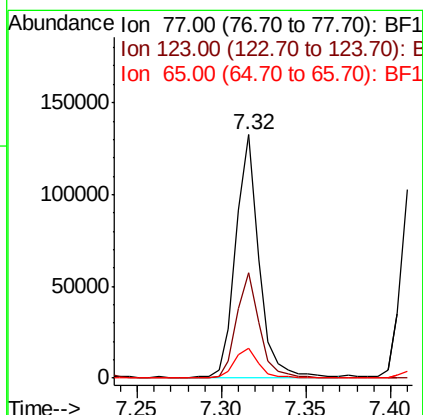
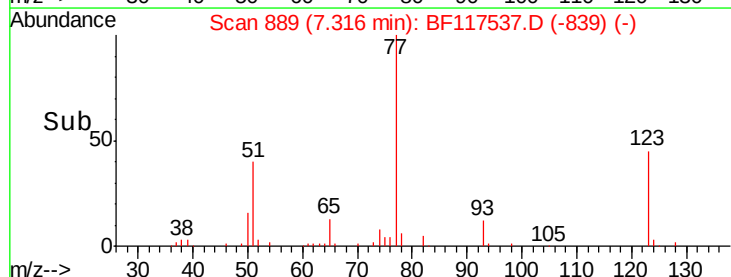
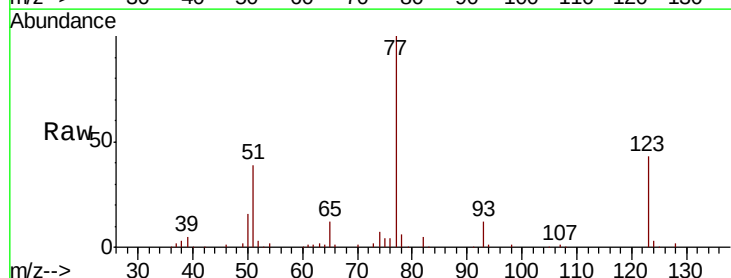
Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

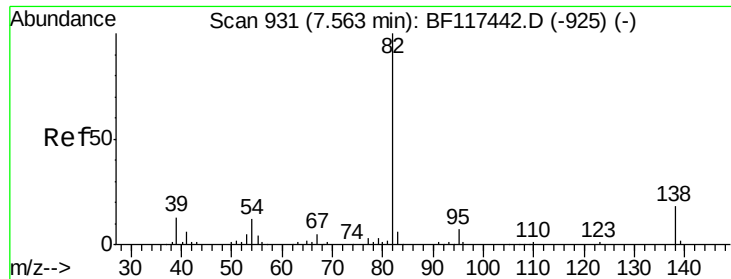
Tot Ion: 82 Resp: 229934
Ion Ratio Lower Upper
82 100
128 41.7 32.2 48.2
54 41.1 34.2 51.2



#24
Nitrobenzene
Concen: 45.879 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion: 77 Resp: 126484
Ion Ratio Lower Upper
77 100
123 43.1 34.2 51.2
65 12.5 10.3 15.5

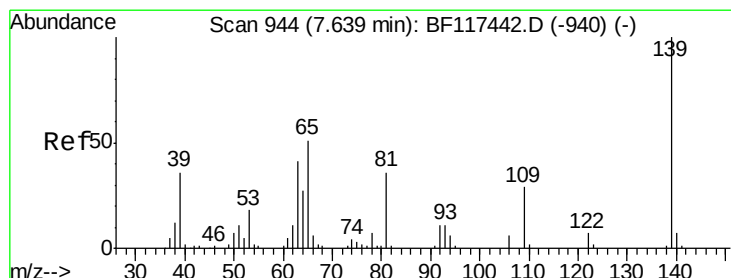
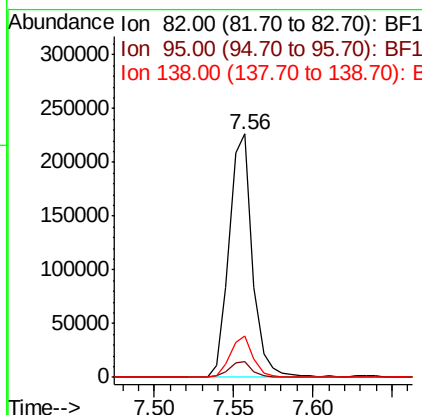
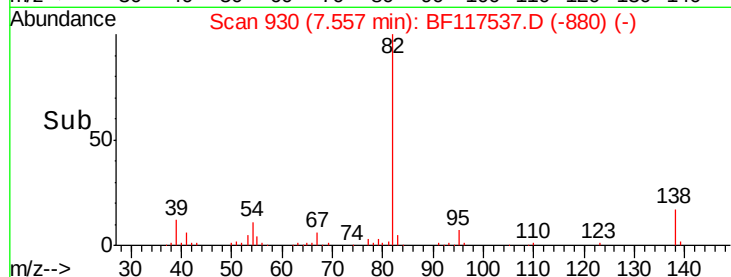
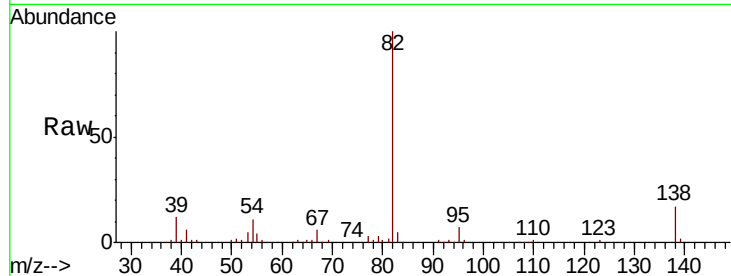




#25
Isophorone
Concen: 46.663 ng
RT: 7.56 min Scan# 930
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

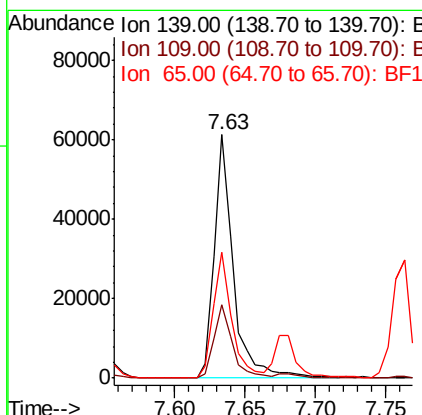
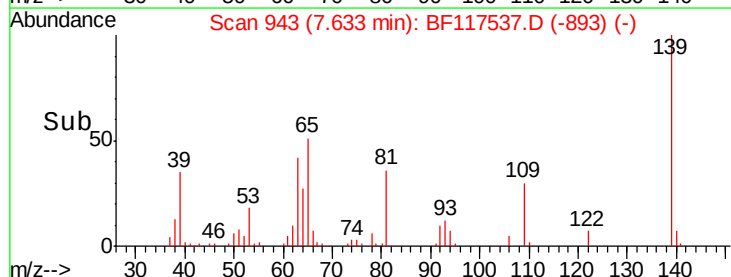
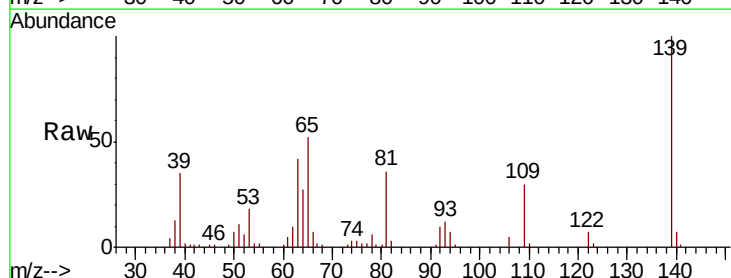
Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

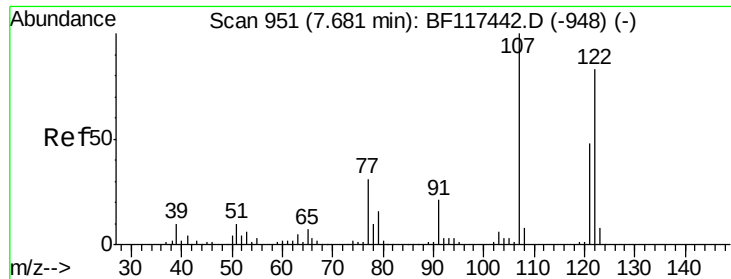
Tot Ion: 82 Resp: 232354
Ion Ratio Lower Upper
82 100
95 6.6 5.4 8.0
138 16.8 14.2 21.2



#26
2-Nitrophenol
Concen: 47.020 ng
RT: 7.63 min Scan# 943
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion: 139 Resp: 57816
Ion Ratio Lower Upper
139 100
109 30.2 23.2 34.8
65 51.8 41.1 61.7

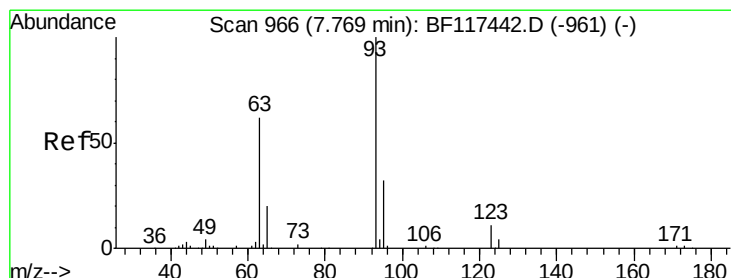
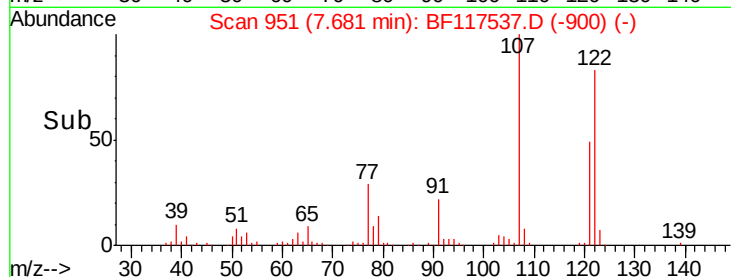
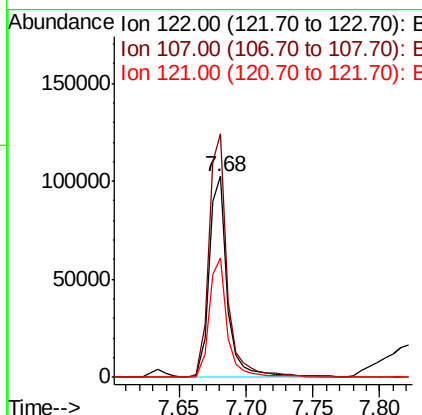
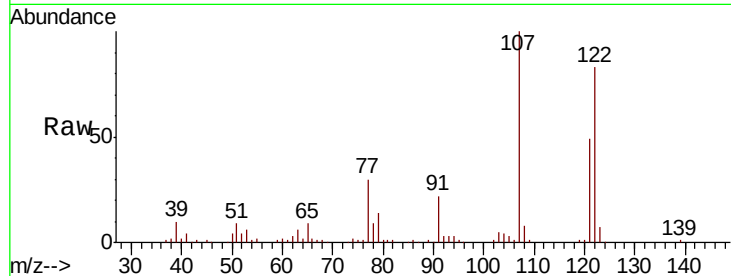




#27
 2,4-Dimethylphenol
 Concen: 53.559 ng
 RT: 7.68 min Scan# 951
 Delta R.T. -0.00 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

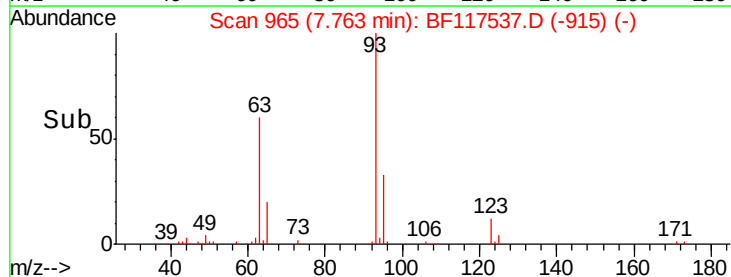
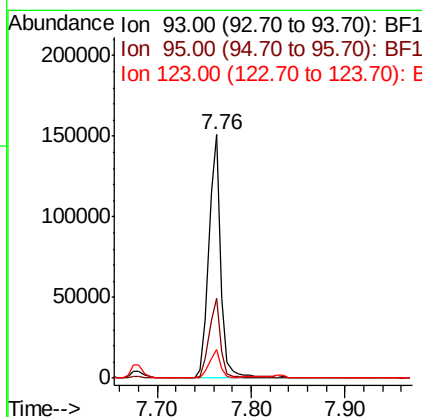
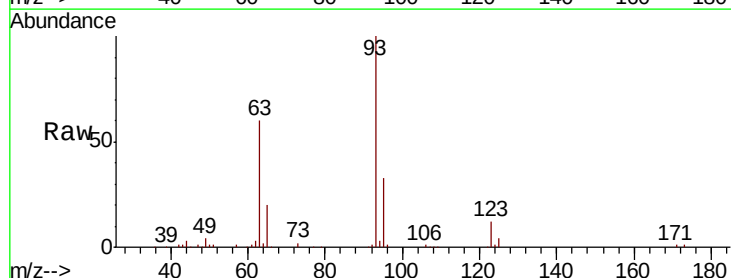
Instrument :
 BNA_F
 ClientSampleId :
 802-00-(0-2)MSD

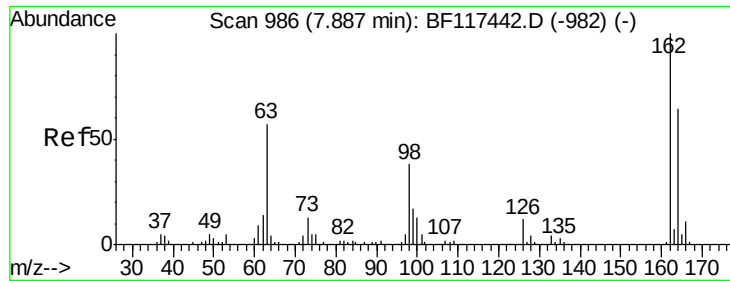
Tot Ion:122 Resp: 98420
 Ion Ratio Lower Upper
 122 100
 107 120.9 96.8 145.2
 121 59.4 46.4 69.6



#28
 bis(2-Chloroethoxy)methane
 Concen: 44.077 ng
 RT: 7.76 min Scan# 966
 Delta R.T. -0.01 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Tgt Ion: 93 Resp: 135431
 Ion Ratio Lower Upper
 93 100
 95 32.8 25.5 38.3
 123 11.7 9.0 13.6

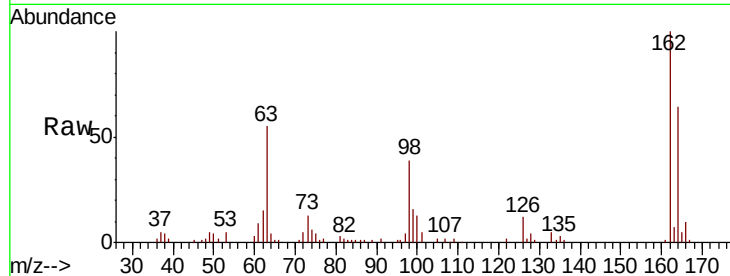




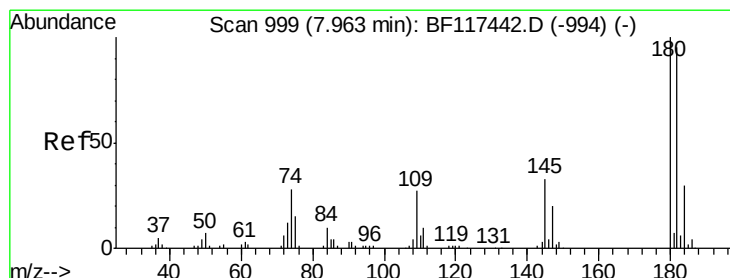
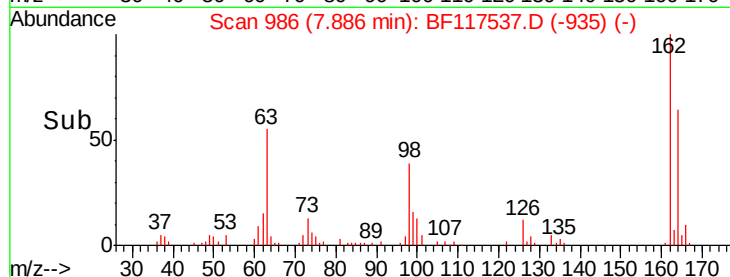
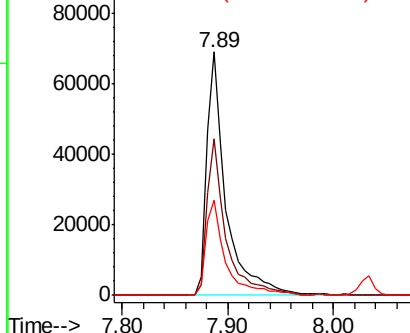
#29
 2,4-Dichlorophenol
 Concen: 45.348 ng
 RT: 7.89 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Instrument :
 BNA_F
 ClientSampleId :
 802-00-(0-2)MSD

Tot Ion:162 Resp: 87404
 Ion Ratio Lower Upper
 162 100
 164 64.1 44.4 84.4
 98 39.0 18.2 58.2

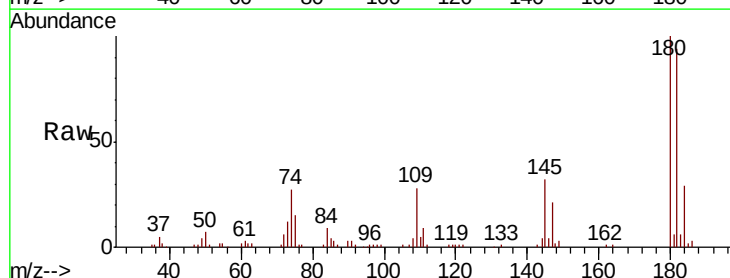


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

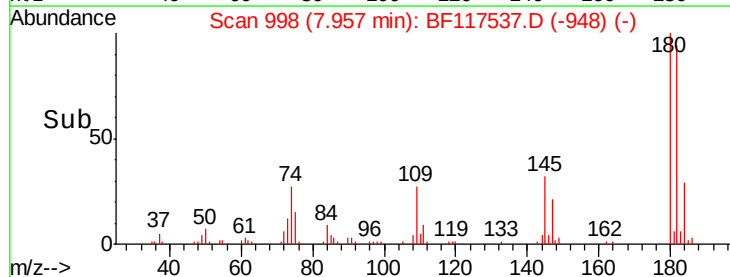
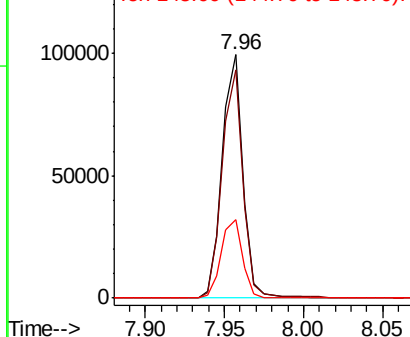


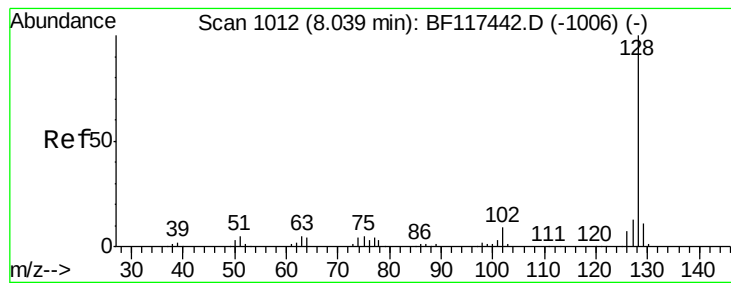
#30
 1,2,4-Trichlorobenzene
 Concen: 43.463 ng
 RT: 7.96 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Tgt Ion:180 Resp: 89898
 Ion Ratio Lower Upper
 180 100
 182 94.0 75.8 113.8
 145 32.1 26.5 39.7



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 45.704 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)MSD

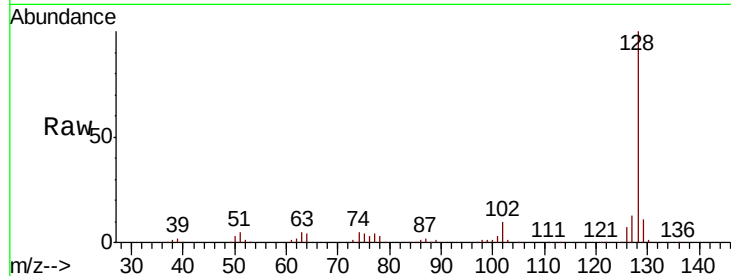
Tot Ion:128 Resp: 321916

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.4

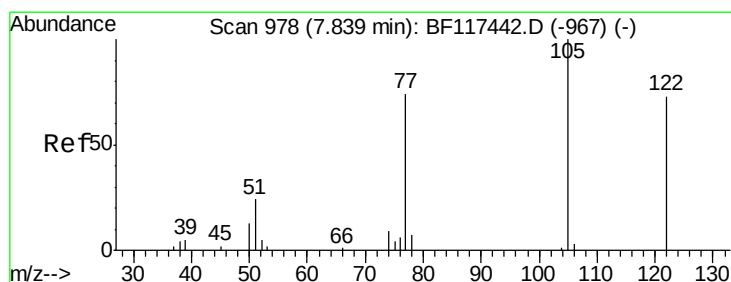
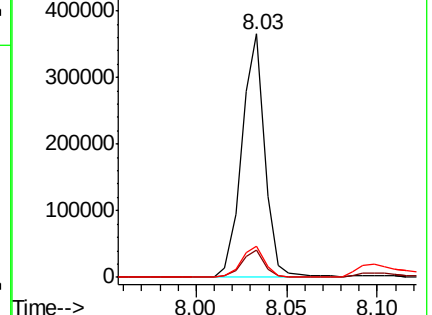
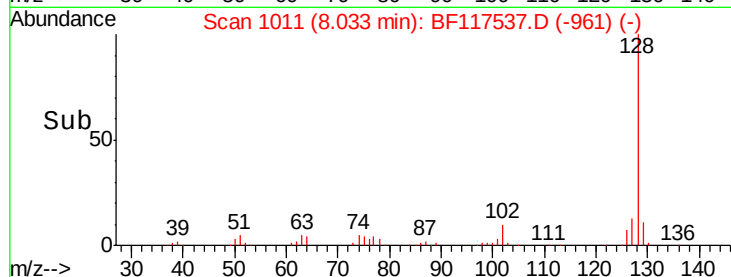
127 13.0 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 36.357 ng

RT: 7.83 min Scan# 977

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

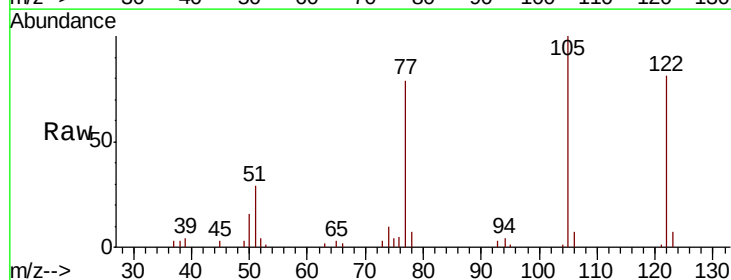
Tgt Ion:122 Resp: 45761

Ion Ratio Lower Upper

122 100

105 122.8 115.0 155.0

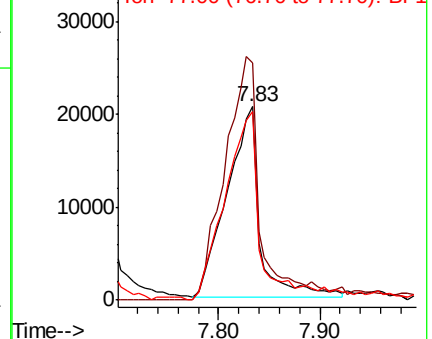
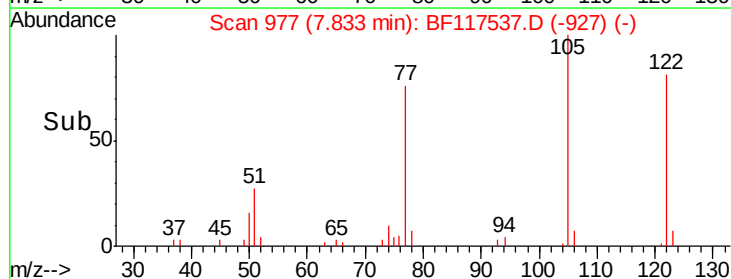
77 97.4 79.7 119.7

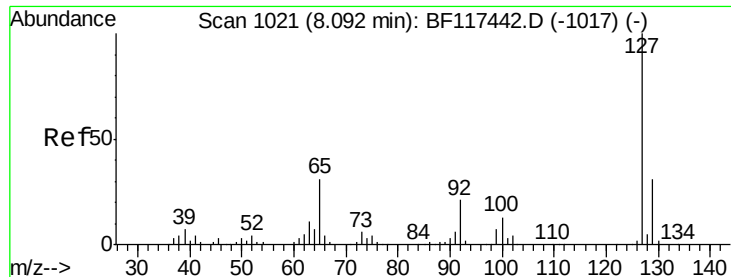


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

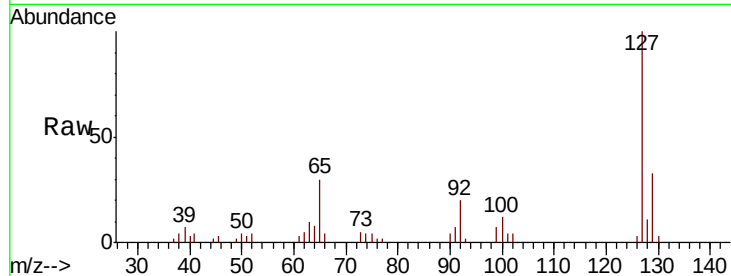




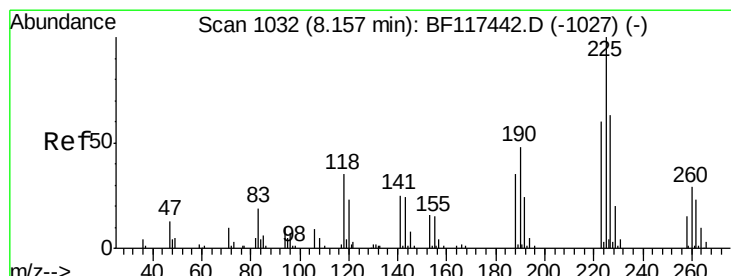
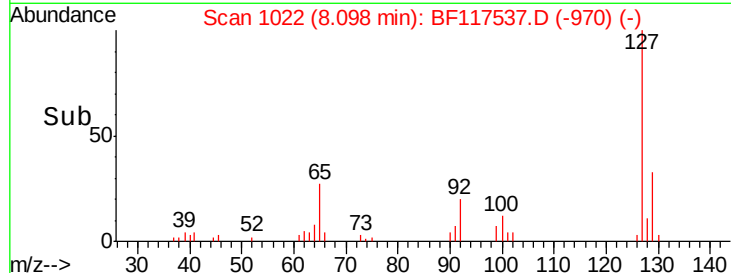
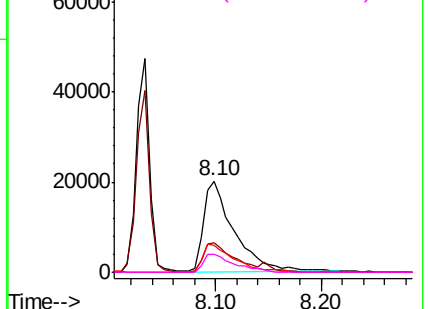
#33
4-Chloroaniline
Concen: 13.406 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion:	127	Resp:	39851
Ion	Ratio	Lower	Upper
127	100		
129	32.7	24.8	37.2
65	29.8	24.6	37.0
92	20.3	16.5	24.7

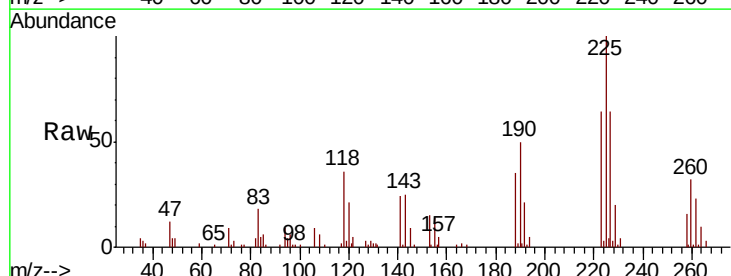


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

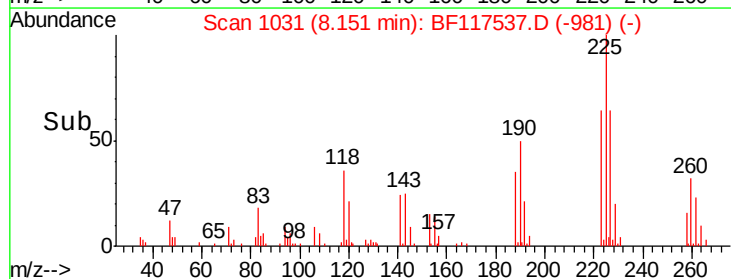
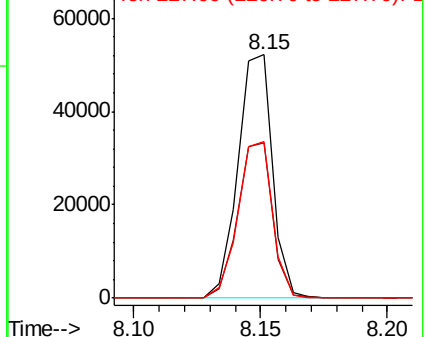


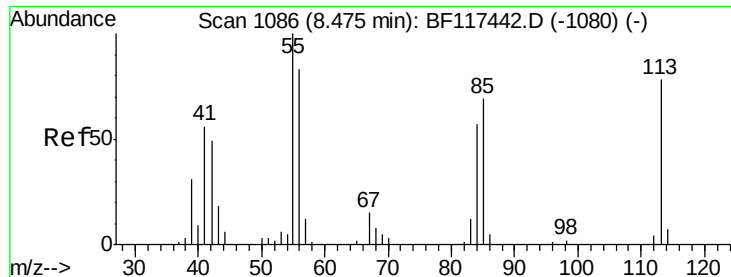
#34
Hexachlorobutadiene
Concen: 41.348 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion:	225	Resp:	49501
Ion	Ratio	Lower	Upper
225	100		
223	63.8	48.2	72.4
227	64.3	50.2	75.4



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

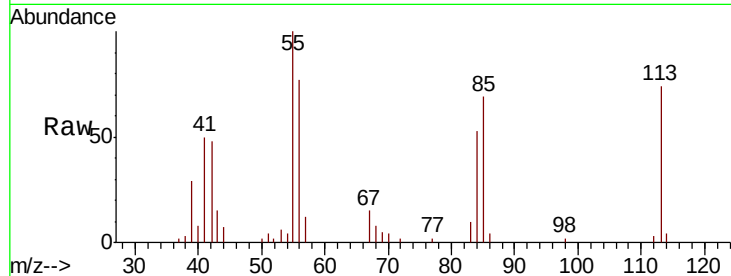




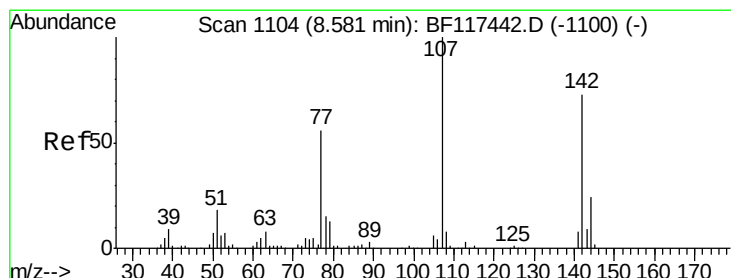
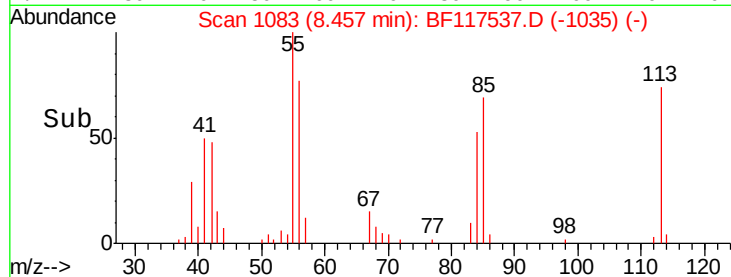
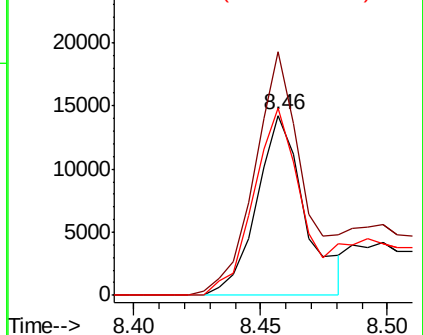
#35
Caprolactam
Concen: 30.303 ng
RT: 8.46 min Scan# 1083
Delta R.T. -0.02 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion:113 Resp: 18763
Ion Ratio Lower Upper
113 100
55 135.1 108.8 148.8
56 104.1 87.2 127.2

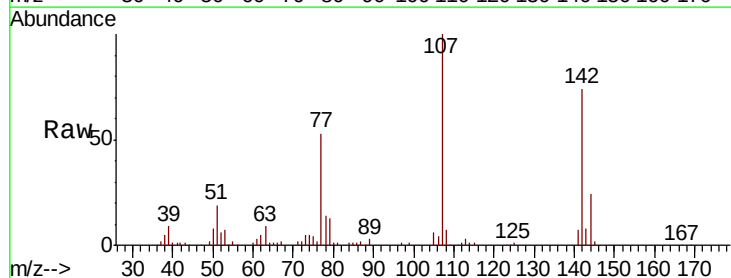


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

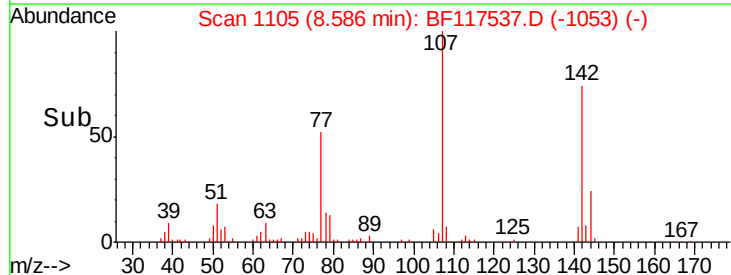
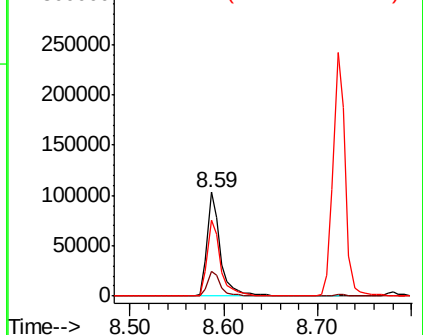


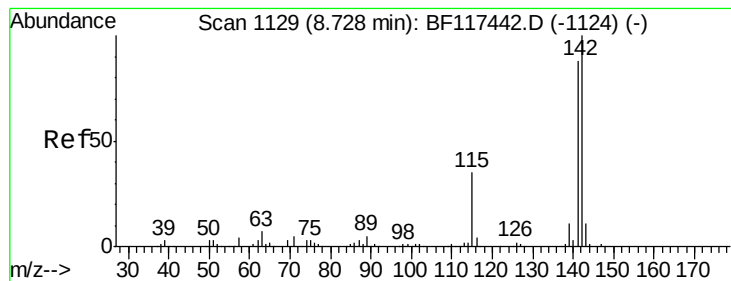
#36
4-Chloro-3-methylphenol
Concen: 46.881 ng
RT: 8.59 min Scan# 1105
Delta R.T. 0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion:107 Resp: 103053
Ion Ratio Lower Upper
107 100
144 24.1 18.9 28.3
142 73.7 58.6 88.0



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 46.190 ng

RT: 8.72 min Scan# 1128

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)MSD

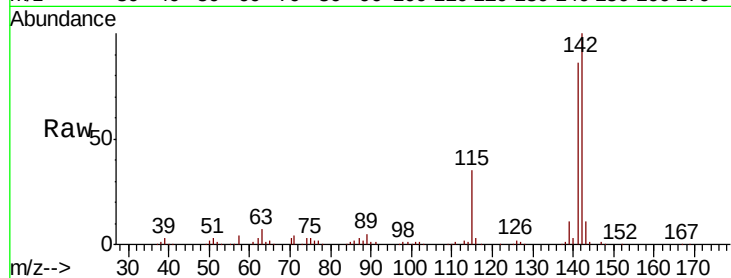
Tot Ion:142 Resp: 219223

Ion Ratio Lower Upper

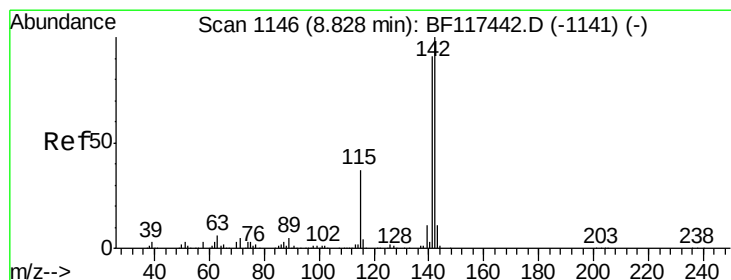
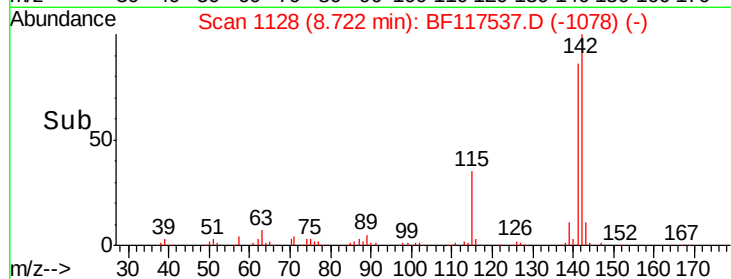
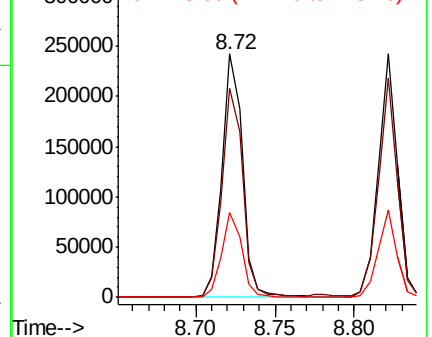
142 100

141 86.0 70.3 105.5

115 35.1 28.2 42.2



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 46.409 ng

RT: 8.82 min Scan# 1145

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

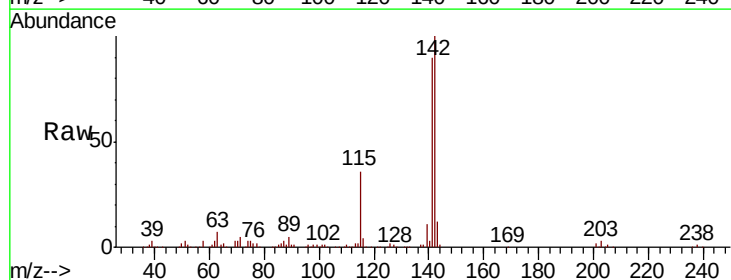
Tgt Ion:142 Resp: 206975

Ion Ratio Lower Upper

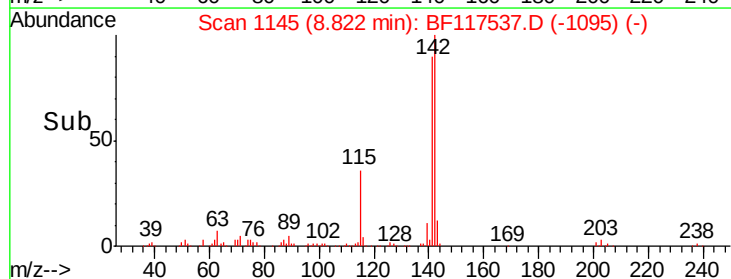
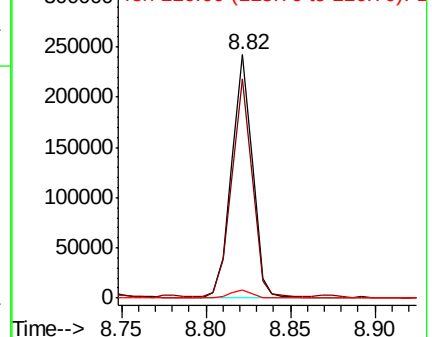
142 100

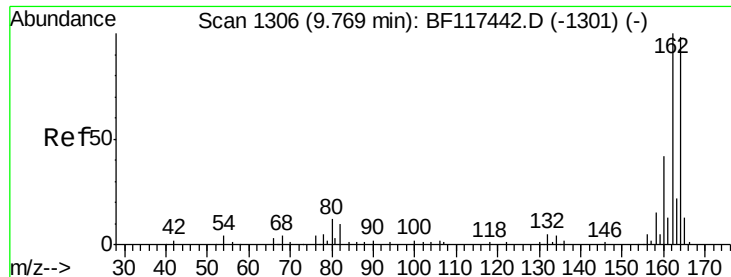
141 89.9 73.3 109.9

116 3.6 3.1 4.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)MSD

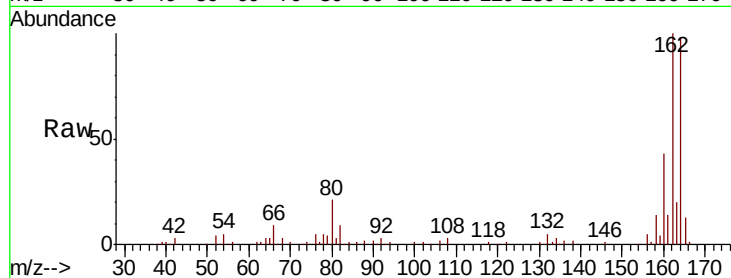
Tot Ion:164 Resp: 70451

Ion Ratio Lower Upper

164 100

162 102.4 81.8 122.6

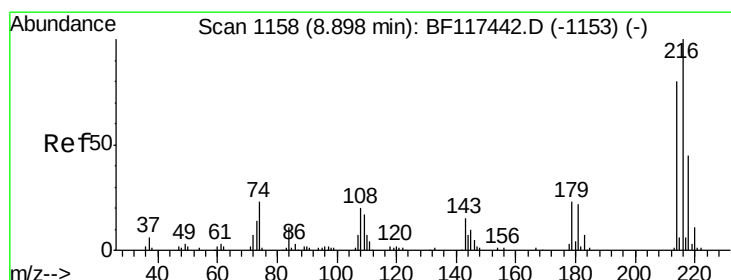
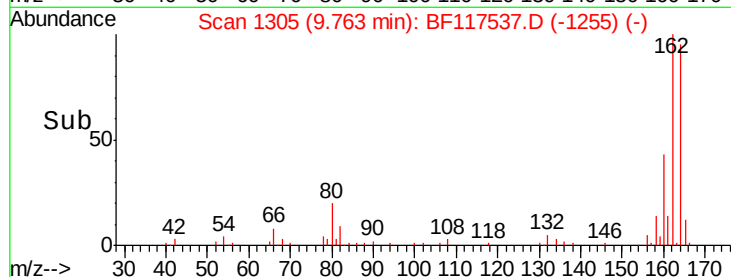
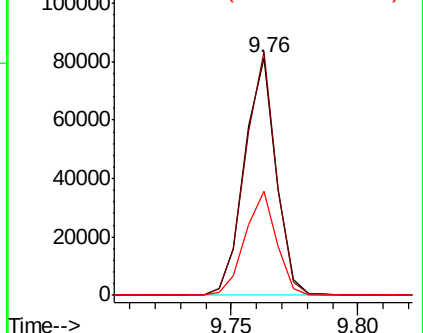
160 44.0 34.4 51.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.422 ng

RT: 8.89 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Tgt Ion:216 Resp: 82394

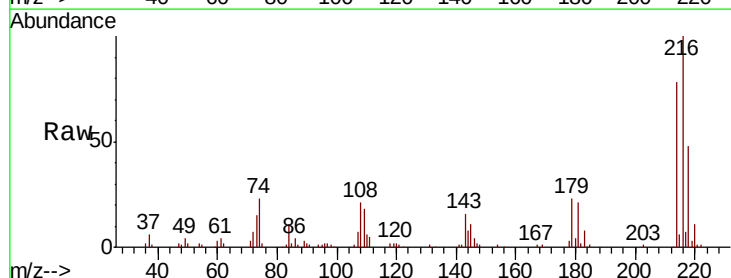
Ion Ratio Lower Upper

216 100

214 78.3 62.4 93.6

179 22.9 18.1 27.1

108 22.4 16.6 24.8

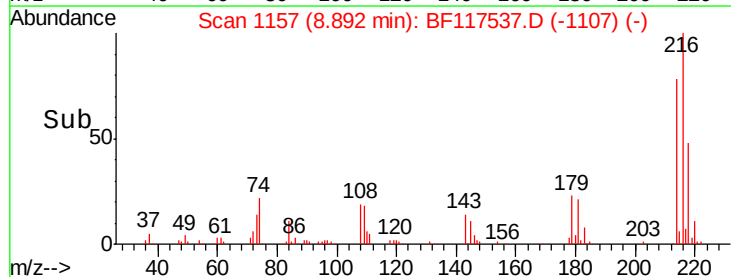
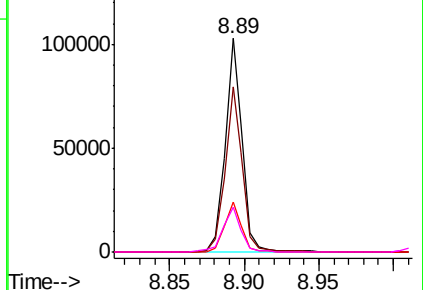


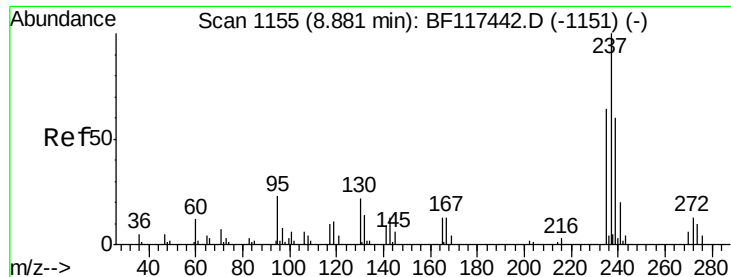
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

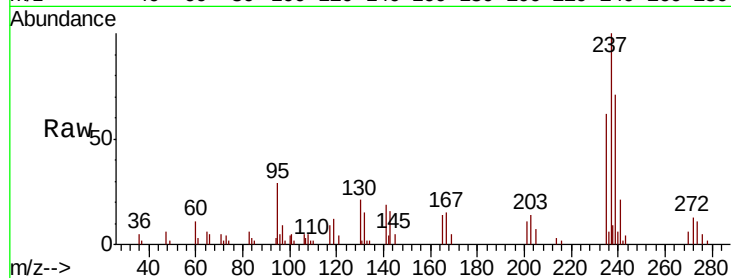




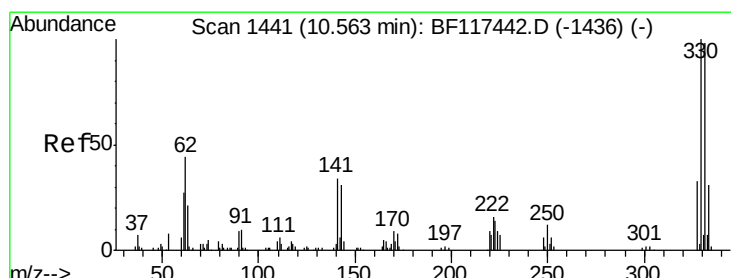
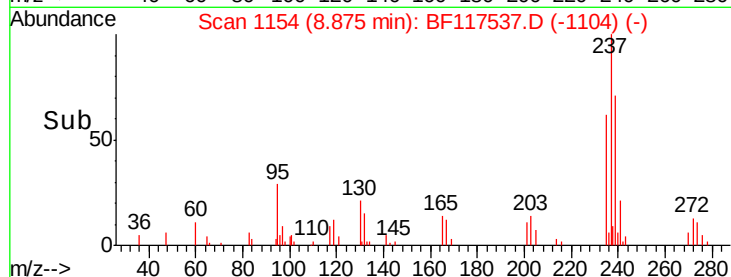
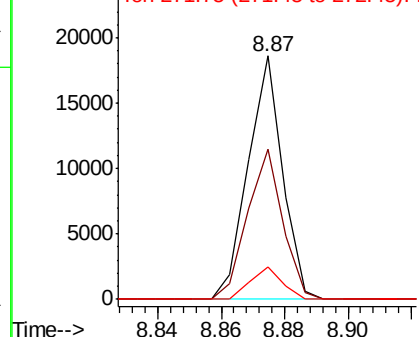
#41
Hexachlorocyclopentadiene
Concen: 38.877 ng
RT: 8.87 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion: 237 Resp: 13960
Ion Ratio Lower Upper
237 100
235 61.6 44.3 84.3
272 13.2 0.0 33.2

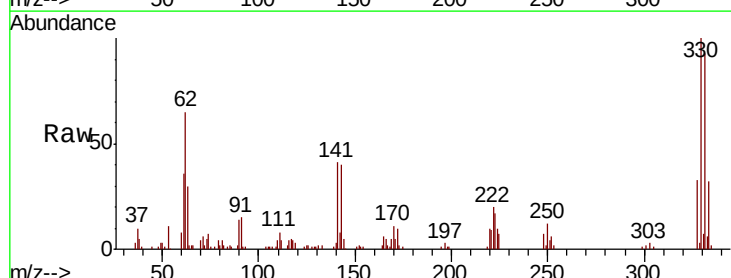


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

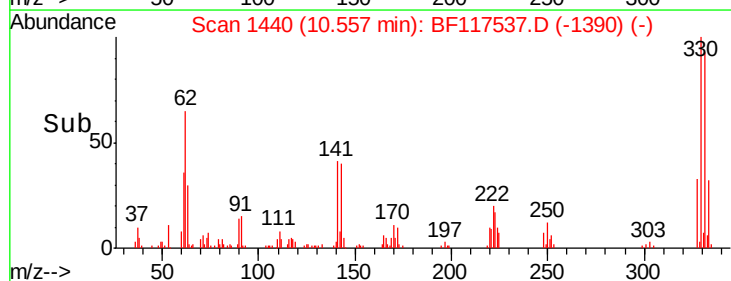
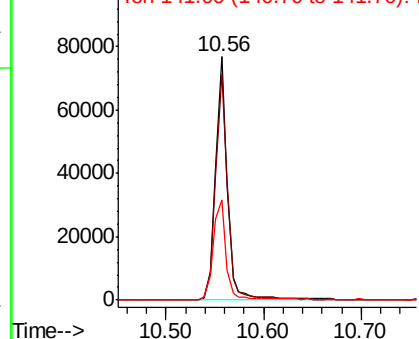


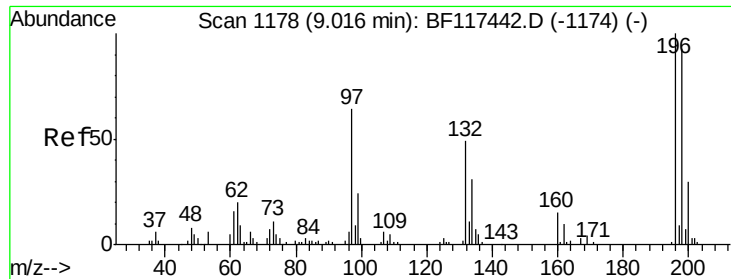
#42
2,4,6-Tribromophenol
Concen: 107.634 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion: 330 Resp: 65612
Ion Ratio Lower Upper
330 100
332 95.4 78.5 117.7
141 44.3 37.0 55.6



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

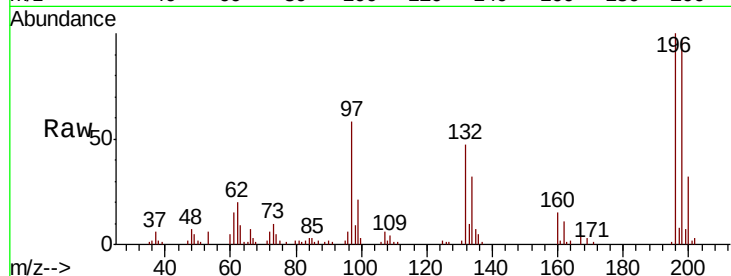




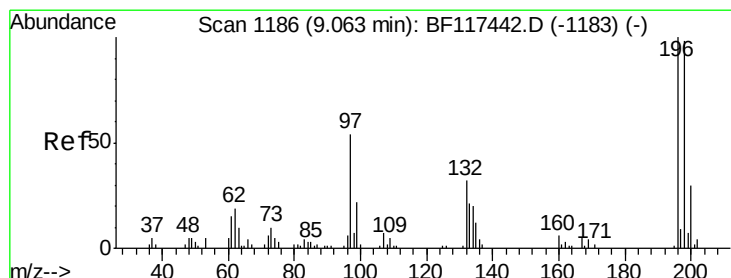
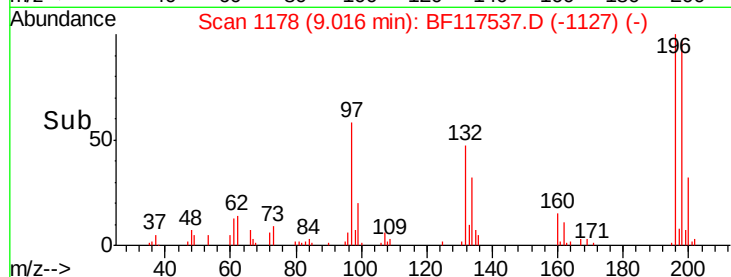
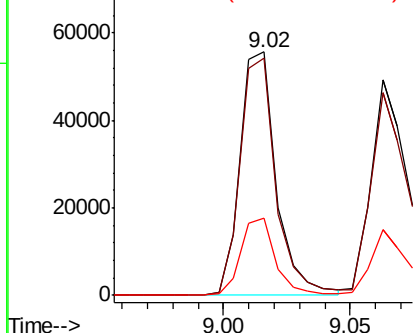
#43
 2,4,6-Trichlorophenol
 Concen: 46.536 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Instrument :
 BNA_F
 ClientSampleId :
 802-00-(0-2)MSD

Tot Ion	Ratio	Lower	Upper
196	100		
198	97.4	74.1	111.1
200	31.5	23.9	35.9



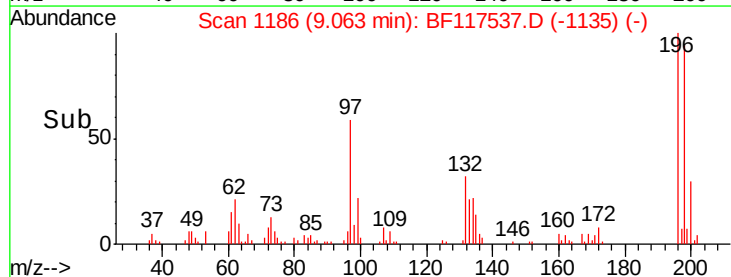
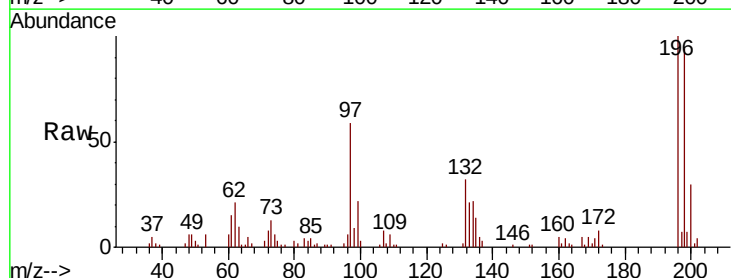
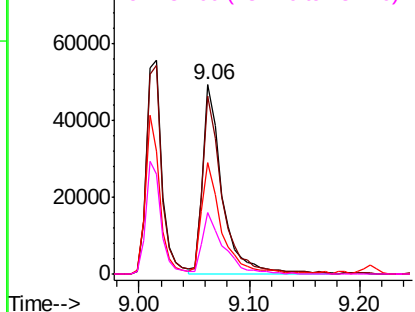
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

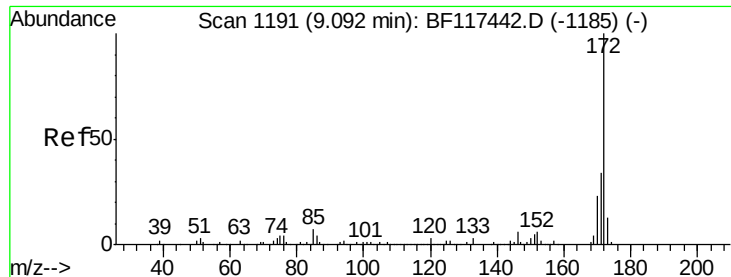


#44
 2,4,5-Trichlorophenol
 Concen: 49.324 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Lower	Upper
196	100		
198	94.1	78.6	117.8
97	58.9	43.4	65.2
132	32.3	26.0	39.0

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

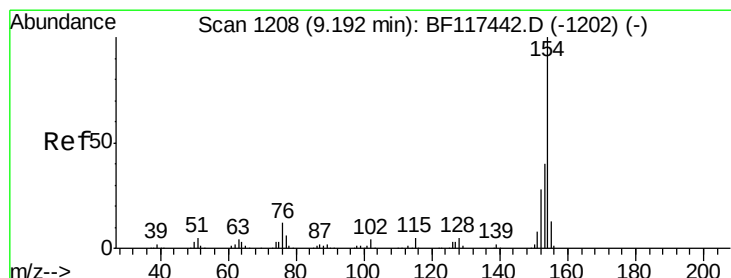
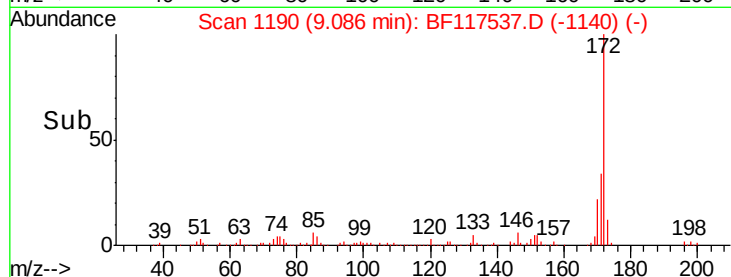
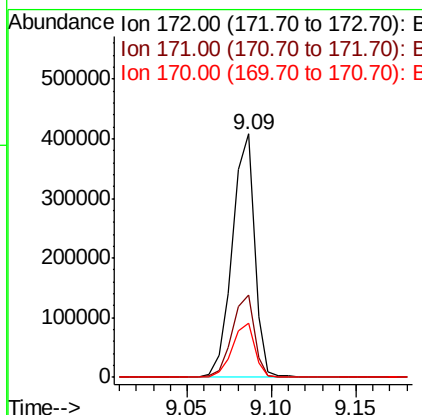
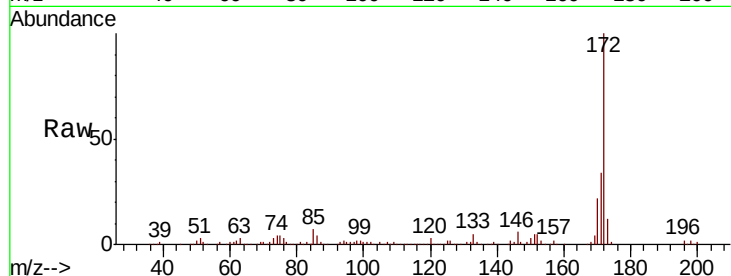




#45
2-Fluorobiphenyl
Concen: 74.518 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

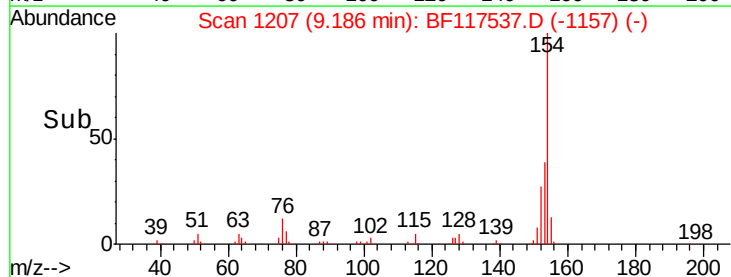
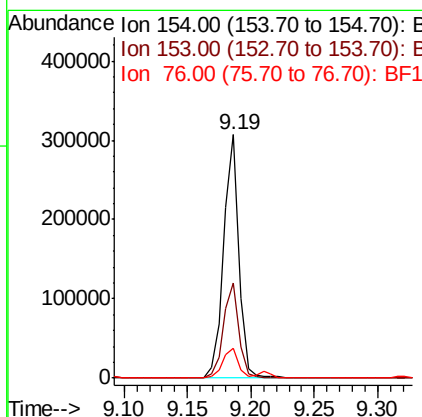
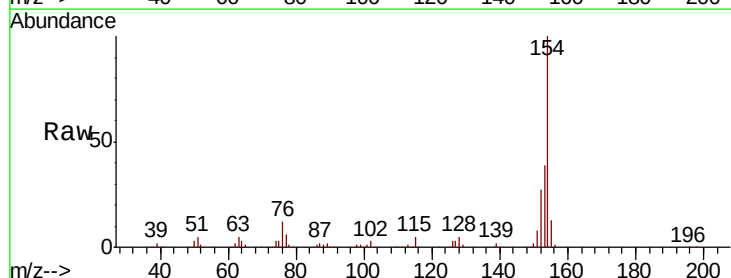
Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

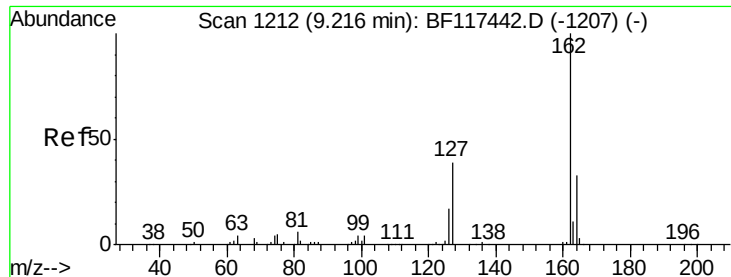
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.5	41.3
170	22.3	18.6	27.8



#46
1,1'-Biphenyl
Concen: 44.225 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.1	20.2	60.2
76	12.1	0.0	32.1

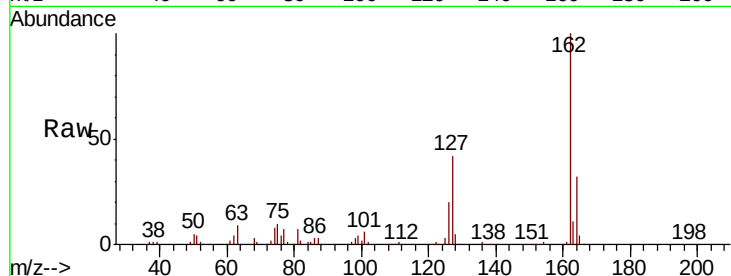




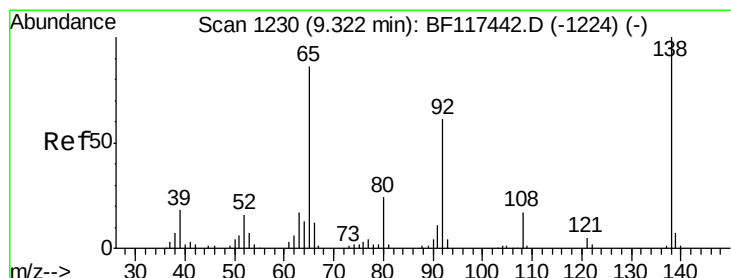
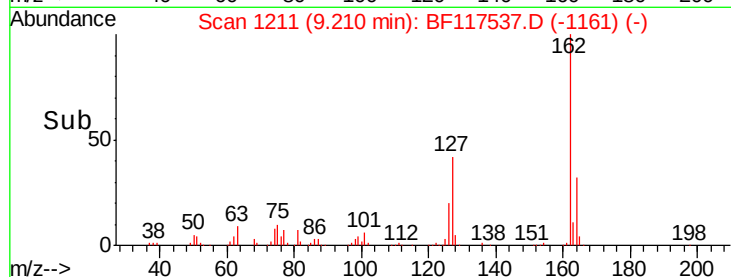
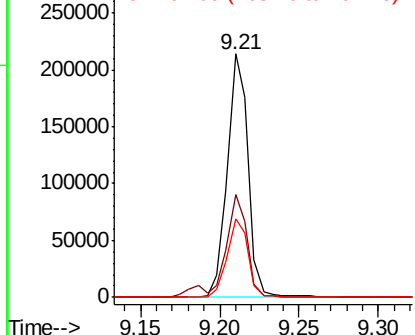
#47
2-Chloronaphthalene
Concen: 44.141 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	42.3	34.2	51.4
164	32.4	26.4	39.6

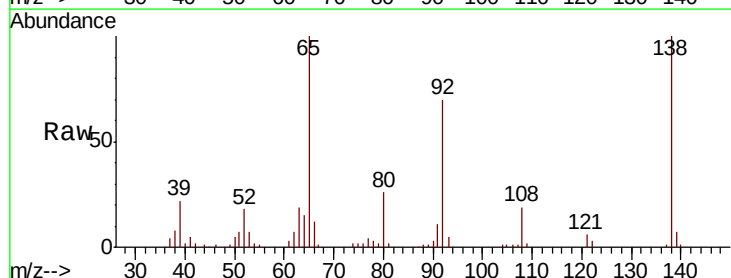


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

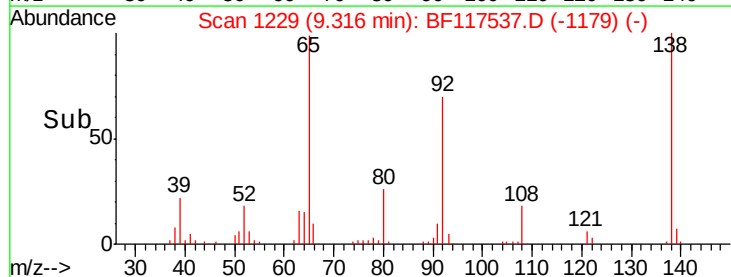
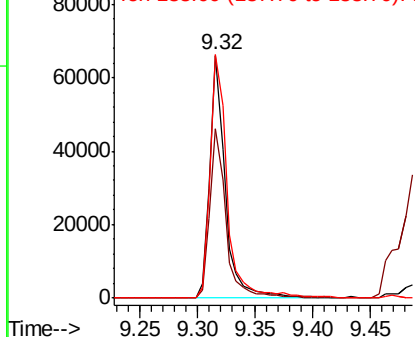


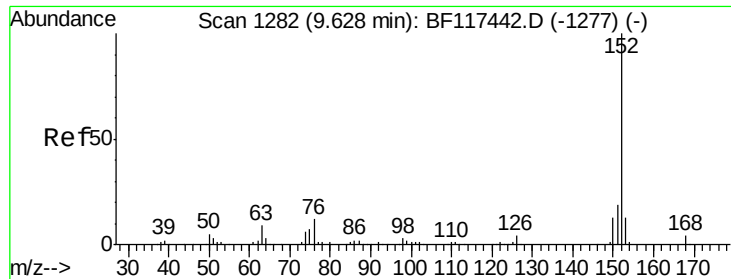
#48
2-Nitroaniline
Concen: 42.663 ng
RT: 9.32 min Scan# 1229
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Lower	Upper
65	100		
92	70.0	57.3	85.9
138	100.5	93.3	139.9



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 46.664 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)MSD

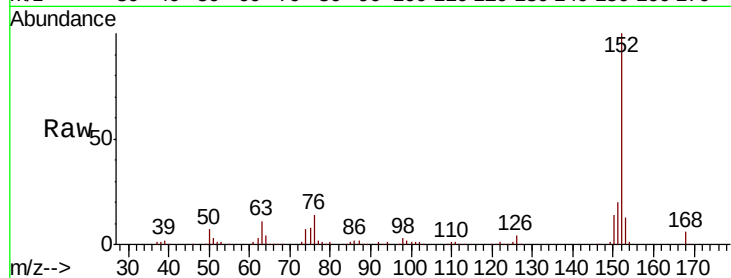
Tot Ion:152 Resp: 301415

Ion Ratio Lower Upper

152 100

151 19.9 15.4 23.0

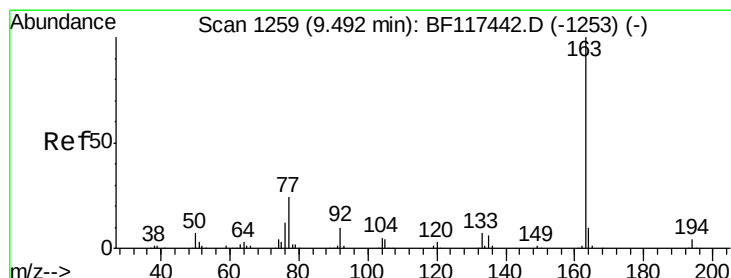
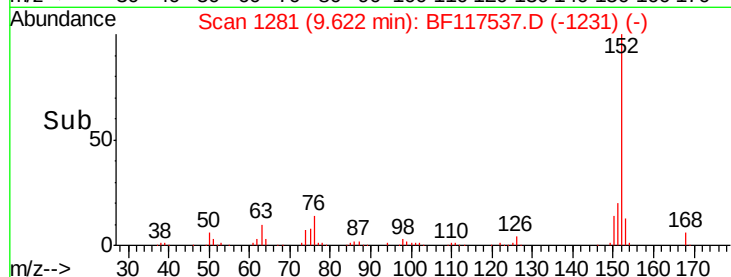
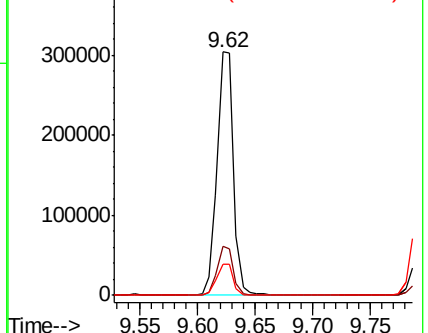
153 12.9 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 54.964 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

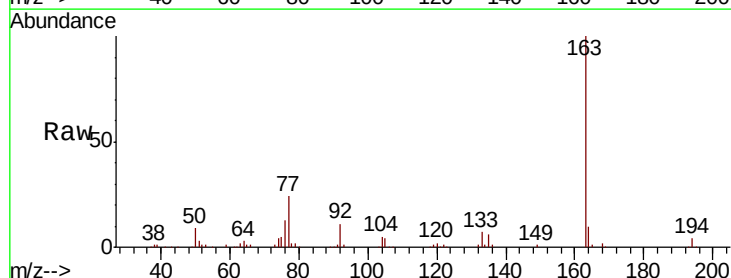
Tgt Ion:163 Resp: 276049

Ion Ratio Lower Upper

163 100

194 3.7 2.9 4.3

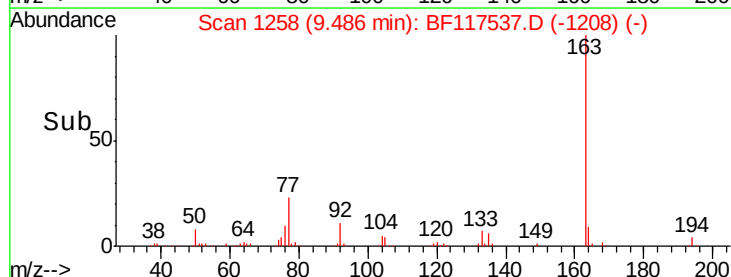
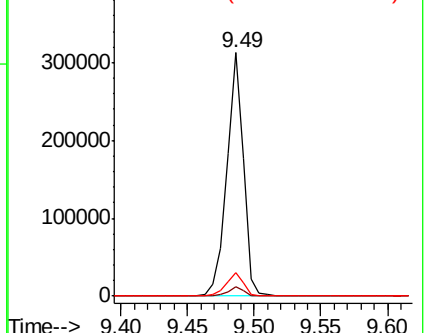
164 9.7 8.2 12.2

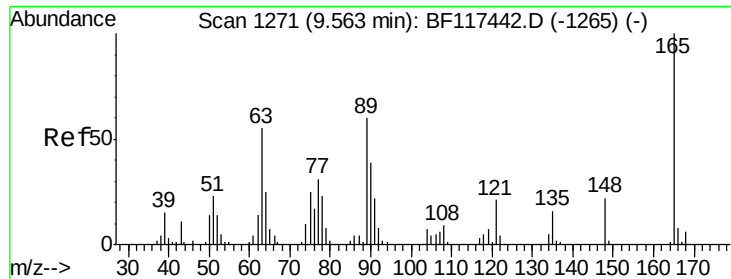


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

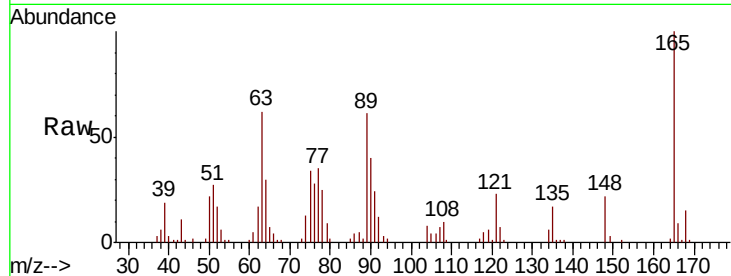




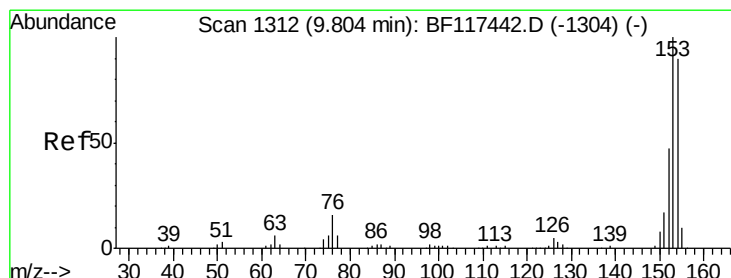
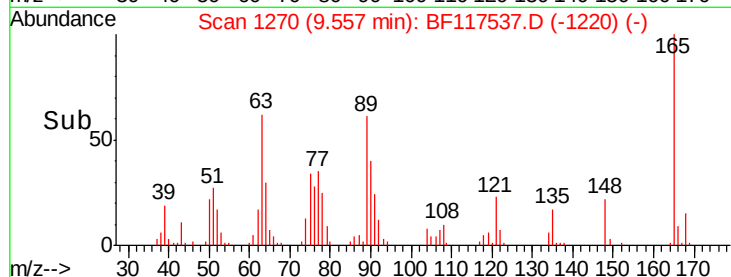
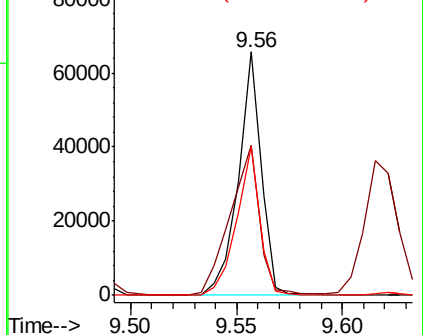
#51
 2,6-Dinitrotoluene
 Concen: 46.878 ng
 RT: 9.56 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Instrument :
 BNA_F
 ClientSampleId :
 802-00-(0-2)MSD

Tot Ion:165 Resp: 49130
 Ion Ratio Lower Upper
 165 100
 63 61.8 43.8 65.8
 89 61.2 47.6 71.4

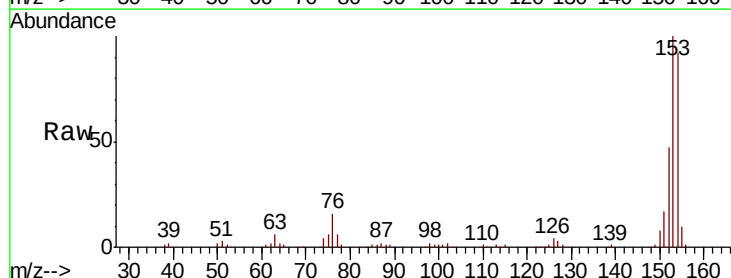


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

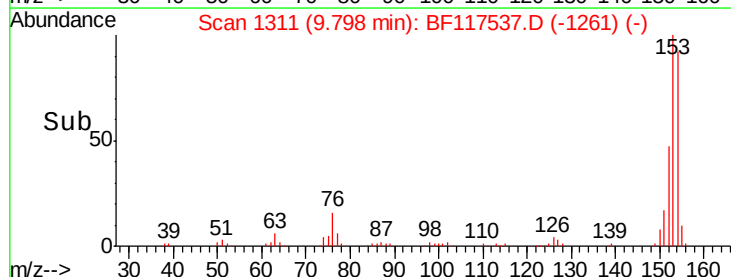
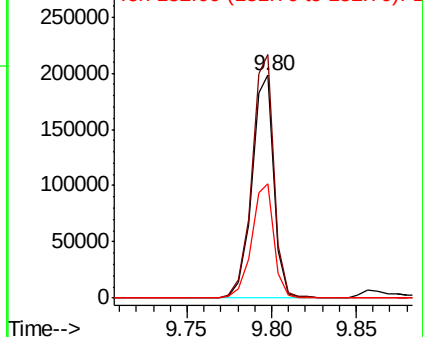


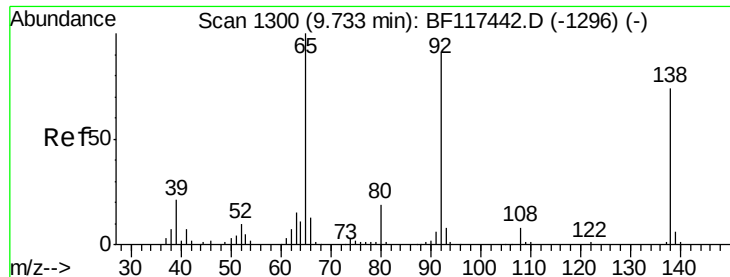
#52
 Acenaphthene
 Concen: 45.756 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.01 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Tgt Ion:154 Resp: 181325
 Ion Ratio Lower Upper
 154 100
 153 109.2 89.2 133.8
 152 51.5 41.8 62.6



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E

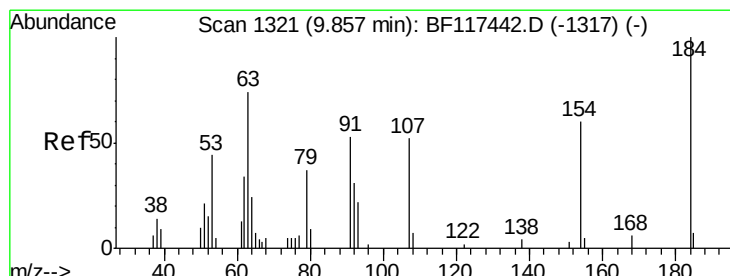
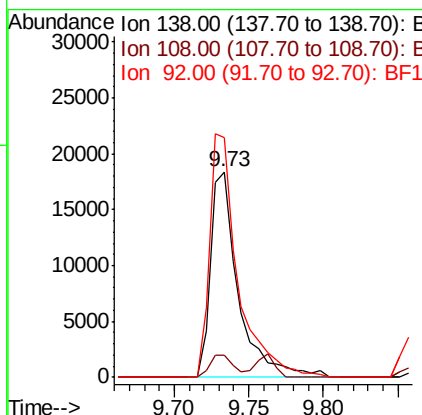
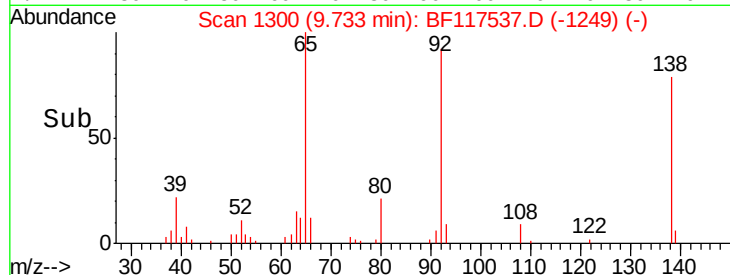
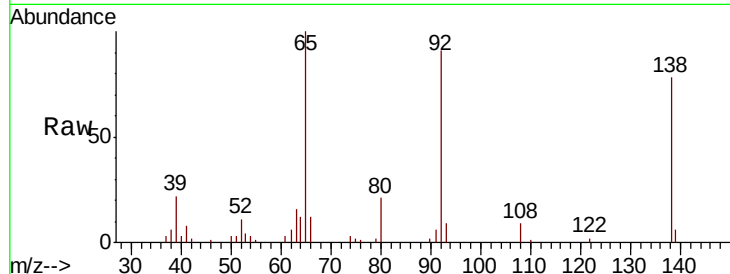




#53
 3-Nitroaniline
 Concen: 18.657 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.00 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

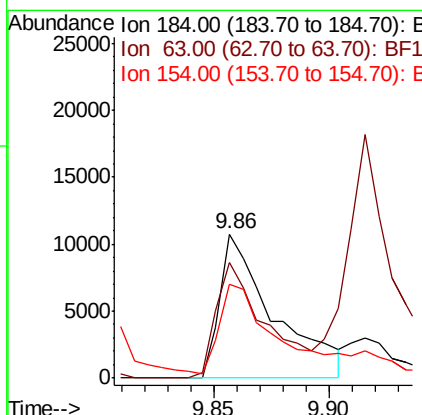
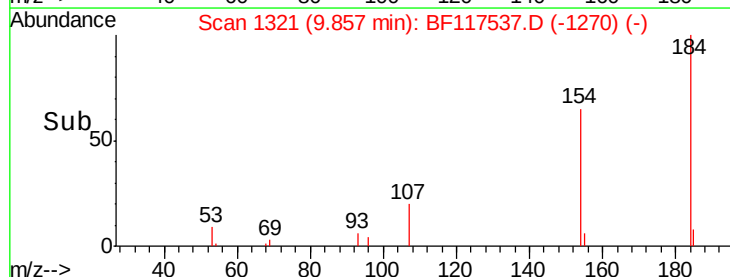
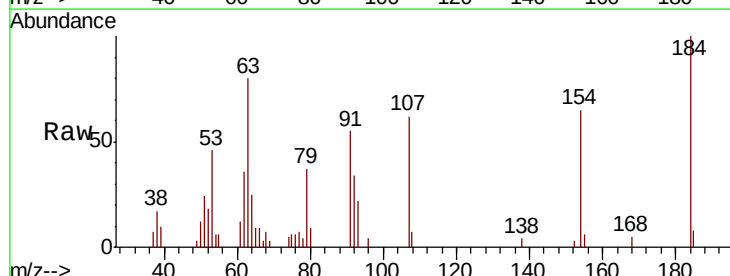
Instrument :
 BNA_F
 ClientSampleId :
 802-00-(0-2)MSD

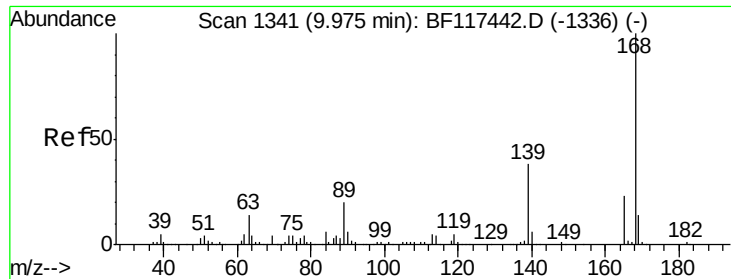
Tot Ion:138 Resp: 23725
 Ion Ratio Lower Upper
 138 100
 108 11.1 8.7 13.1
 92 116.7 98.4 147.6



#54
 2,4-Dinitrophenol
 Concen: 42.718 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Tgt Ion:184 Resp: 17557
 Ion Ratio Lower Upper
 184 100
 63 80.1 59.2 88.8
 154 65.0 53.4 80.0

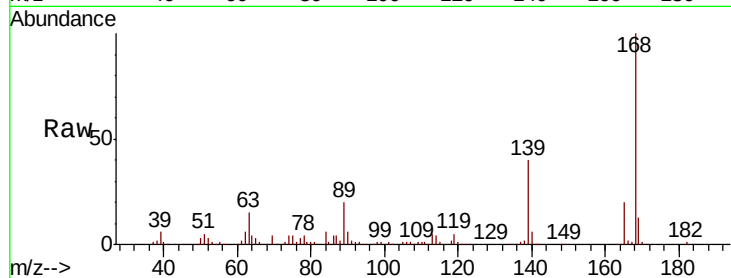




#55
Dibenzenofuran
Concen: 46.973 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.9	31.8	47.6
169	13.1	11.2	16.8

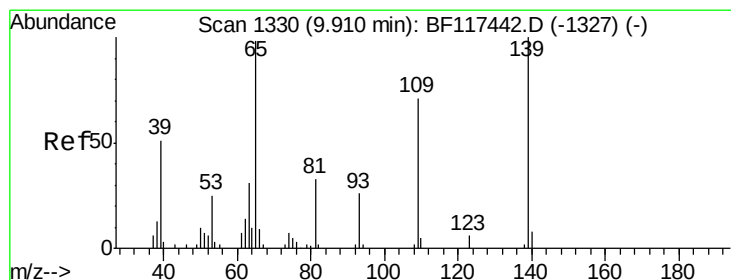
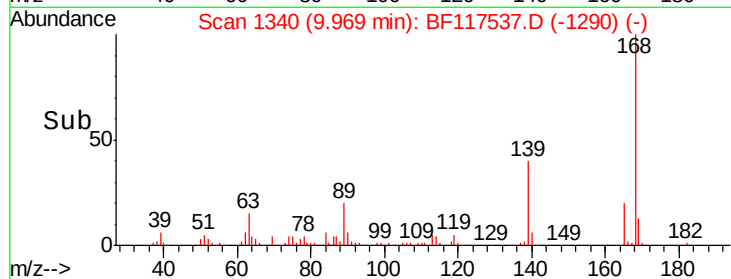
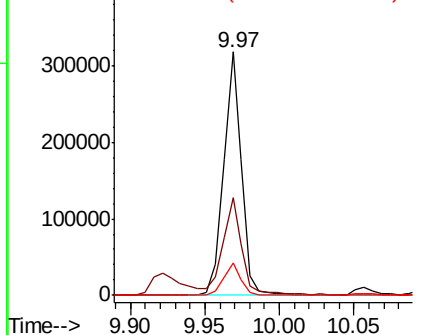


Abundance

Ion 168.00 (167.70 to 168.70): E

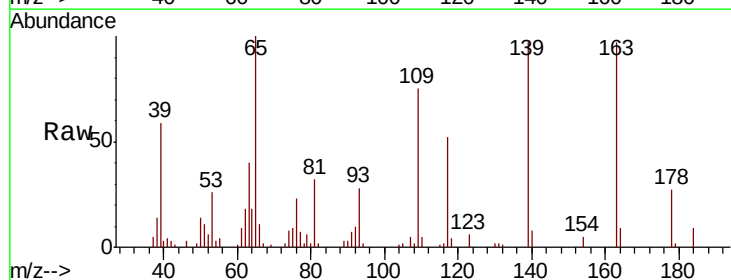
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 70.070 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Lower	Upper
139	100		
109	77.7	51.4	91.4
65	103.6	79.4	119.4

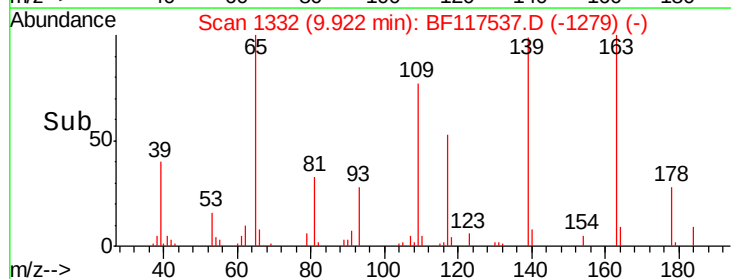
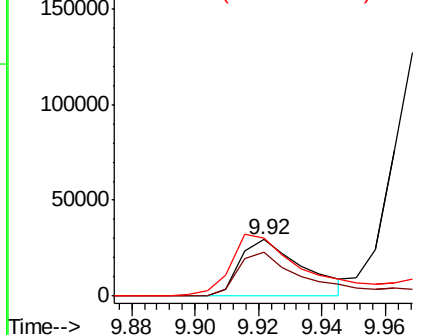


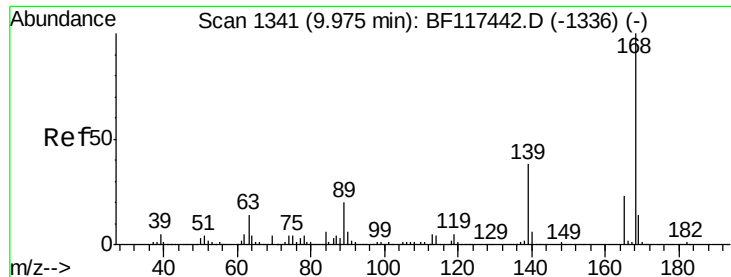
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

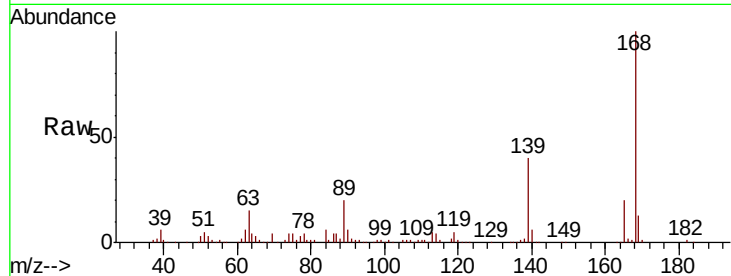




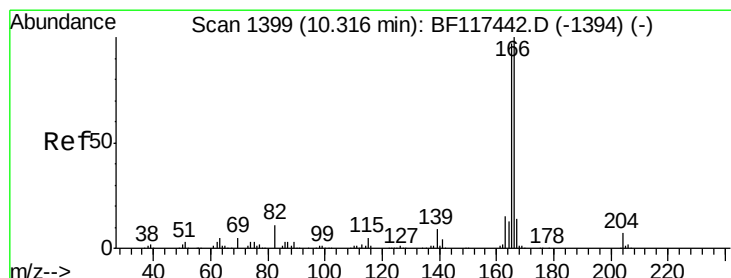
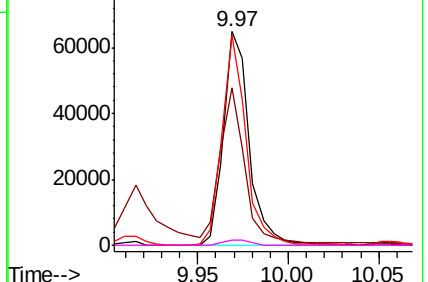
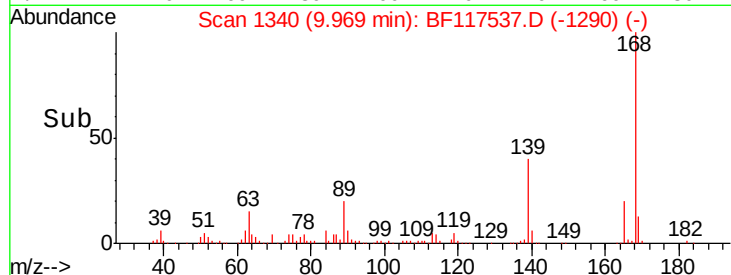
#57
2,4-Dinitrotoluene
Concen: 46.045 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion:165 Resp: 64159
Ion Ratio Lower Upper
165 100
63 73.7 51.4 77.0
89 98.1 69.9 104.9
182 2.5 1.9 2.9

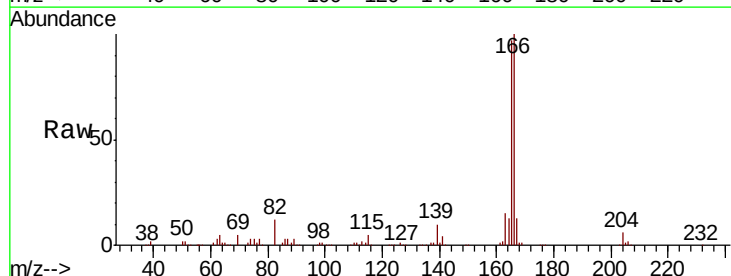


Abundance Ion 165.00 (164.70 to 165.70): E
100000 Ion 63.00 (62.70 to 63.70): BF1
80000 Ion 89.00 (88.70 to 89.70): BF1
60000 Ion 182.00 (181.70 to 182.70): E
40000
20000
0

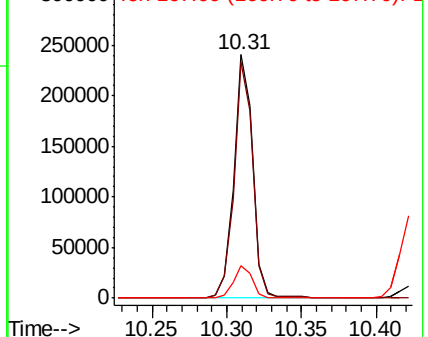
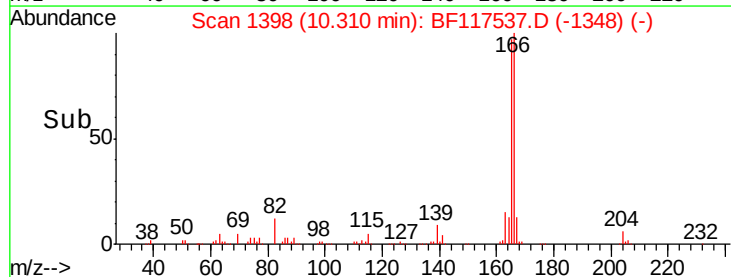


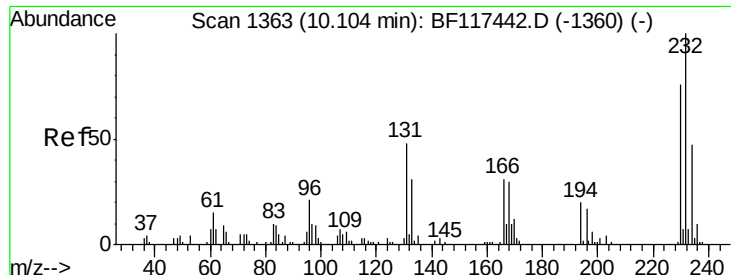
#58
Fluorene
Concen: 45.235 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion:166 Resp: 214775
Ion Ratio Lower Upper
166 100
165 96.8 77.6 116.4
167 13.4 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E
300000 Ion 165.00 (164.70 to 165.70): E
250000 Ion 167.00 (166.70 to 167.70): E
200000
150000
100000
50000
0

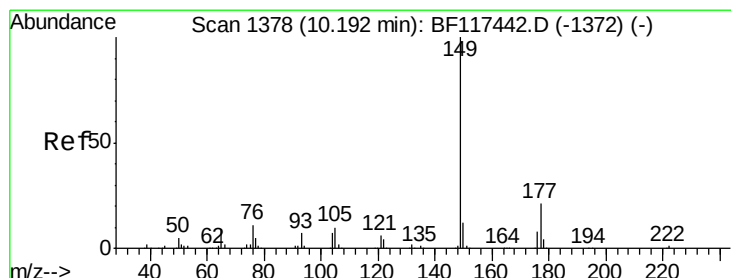
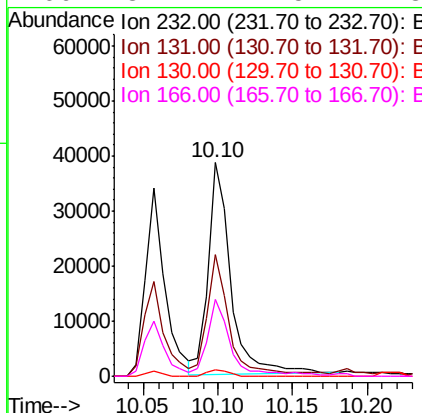
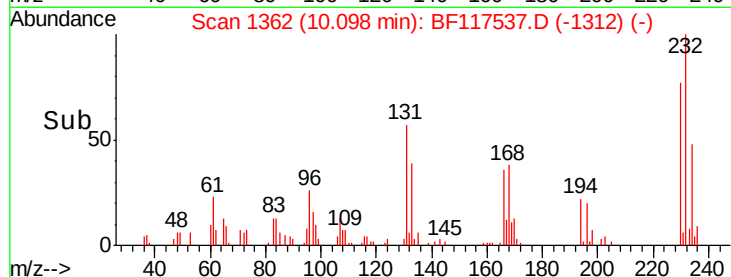
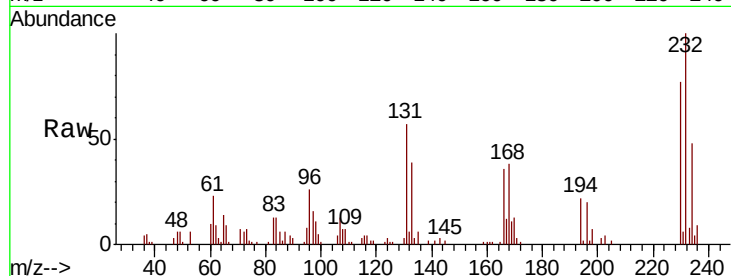




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.308 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

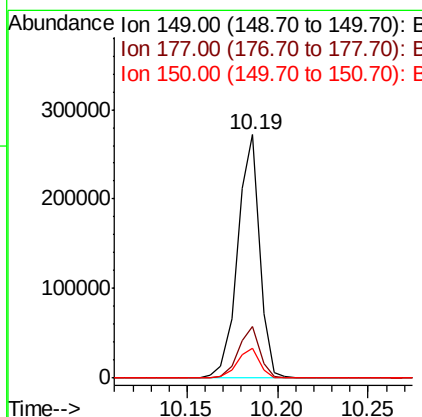
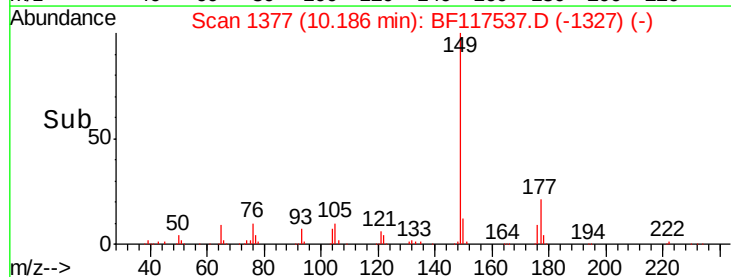
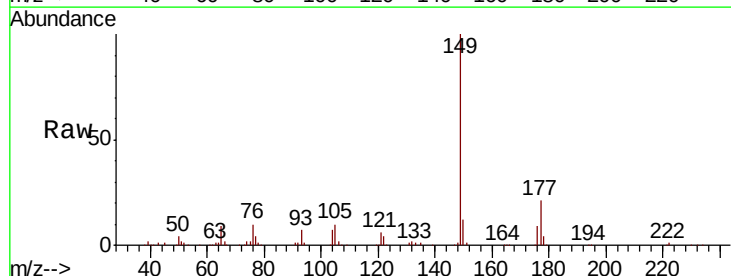
Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

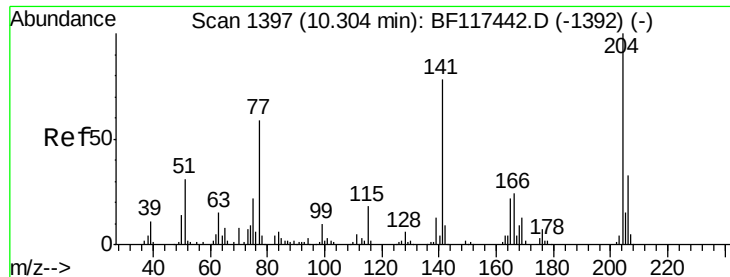
Tot Ion	Ratio	Lower	Upper
232	100		
131	58.2	42.6	63.8
130	2.8	2.2	3.4
166	34.7	27.5	41.3



#60
Diethylphthalate
Concen: 45.060 ng
RT: 10.19 min Scan# 1377
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.0	17.0	25.4
150	12.4	9.8	14.6





#61

4-Chlorophenyl-phenylether

Concen: 44.681 ng

RT: 10.30 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)MSD

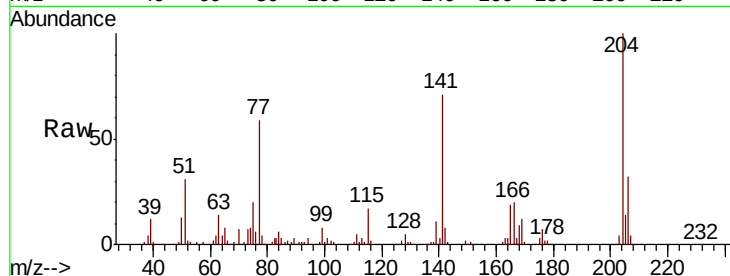
Tot Ion:204 Resp: 95179

Ion Ratio Lower Upper

204 100

206 32.3 26.3 39.5

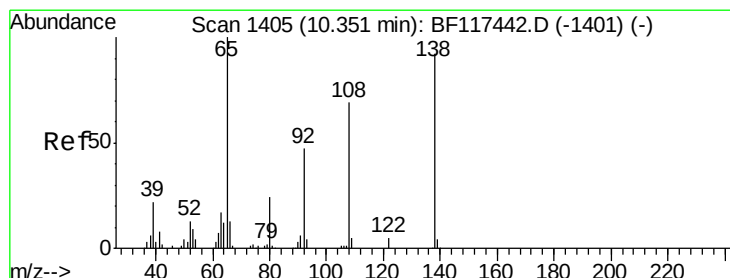
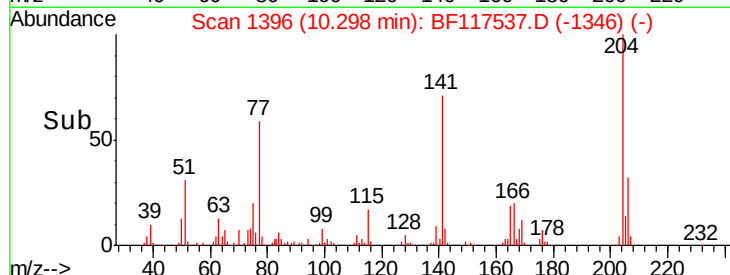
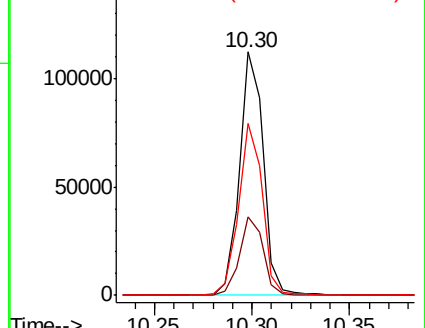
141 70.9 62.2 93.4



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62

4-Nitroaniline

Concen: 33.223 ng

RT: 10.35 min Scan# 1404

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

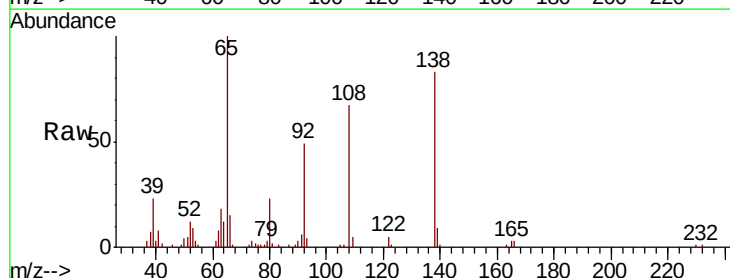
Tgt Ion:138 Resp: 39821

Ion Ratio Lower Upper

138 100

92 58.8 30.3 70.3

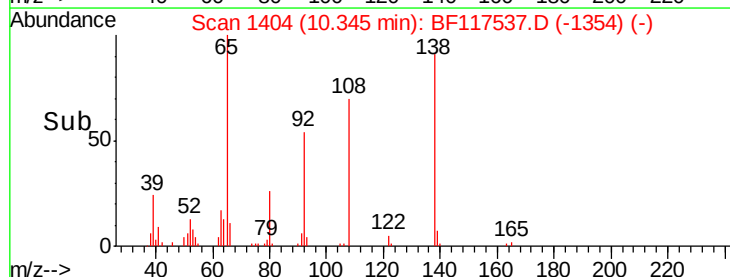
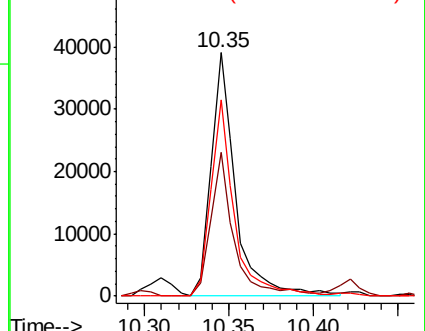
108 80.5 54.9 94.9

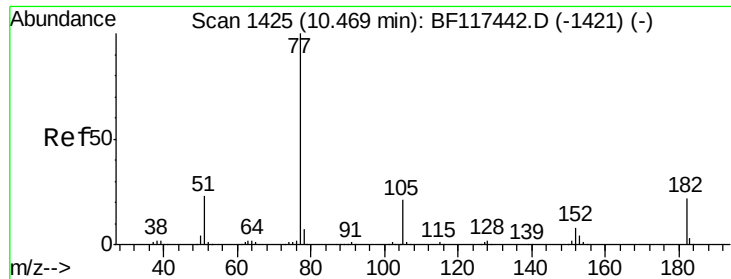


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 45.938 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)MSD

Tot Ion: 77 Resp: 238890

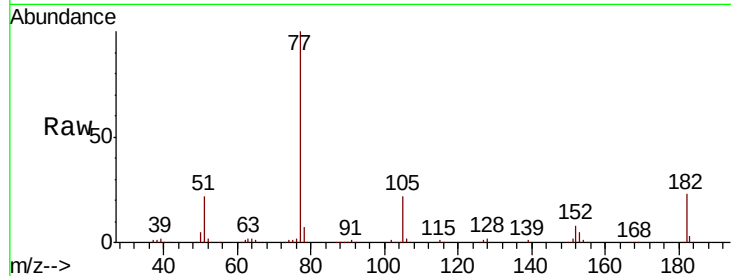
Ion Ratio Lower Upper

77 100

182 22.6 2.3 42.3

105 21.5 1.3 41.3

51 22.2 3.5 43.5

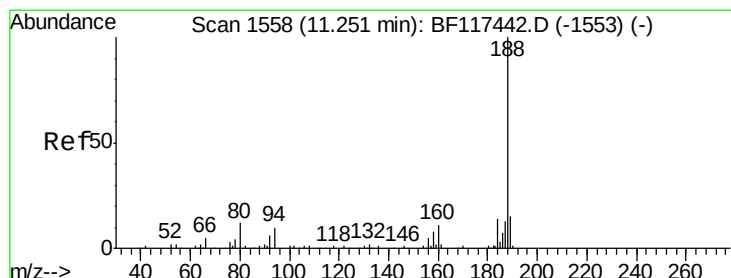
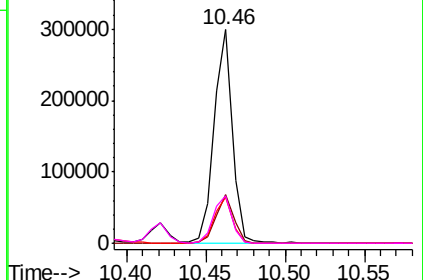
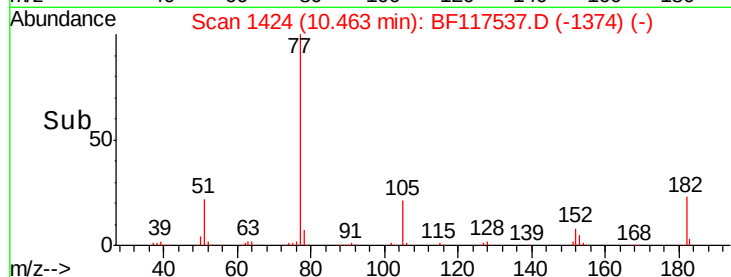


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

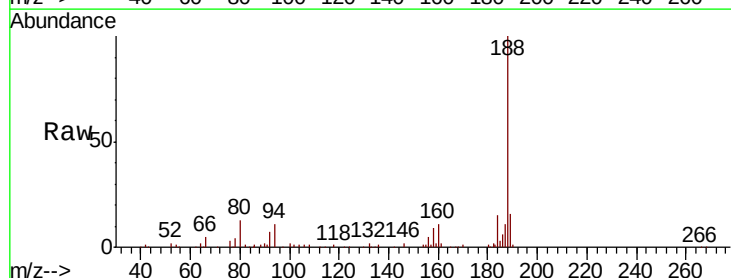
Tgt Ion: 188 Resp: 102006

Ion Ratio Lower Upper

188 100

94 11.4 8.0 12.0

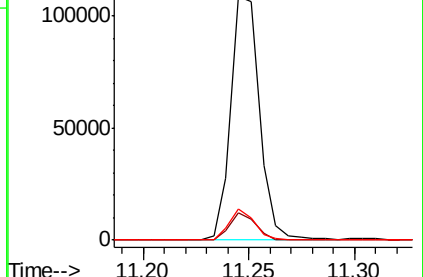
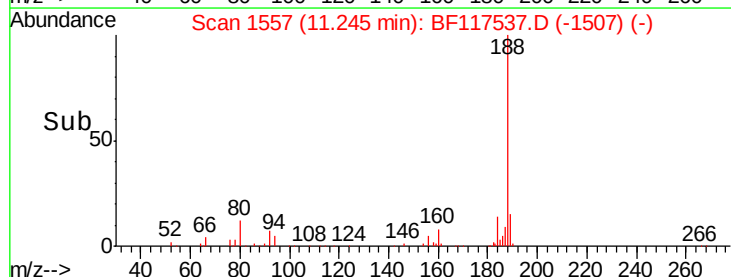
80 12.6 9.5 14.3

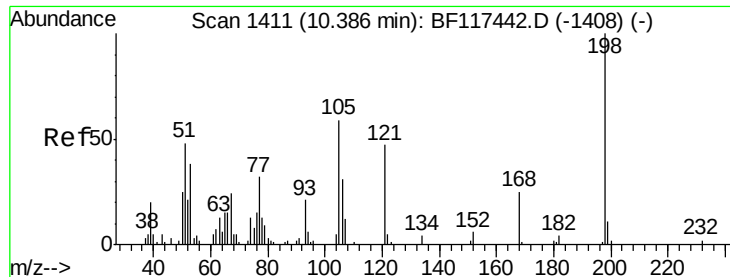


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

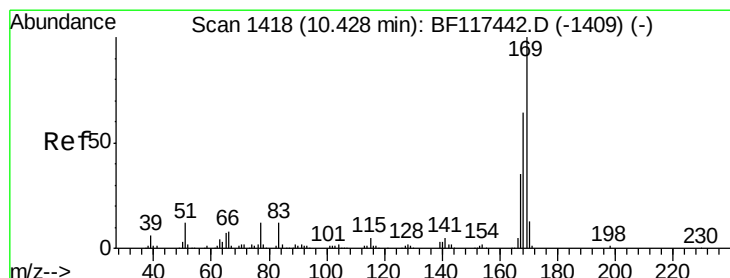
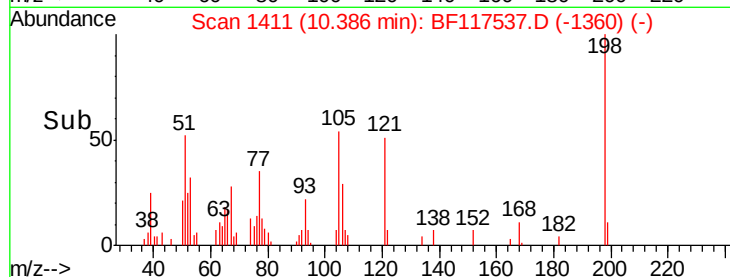
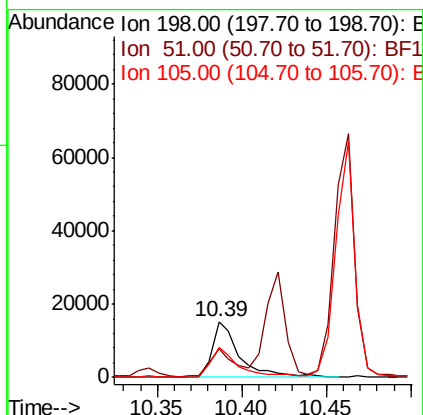
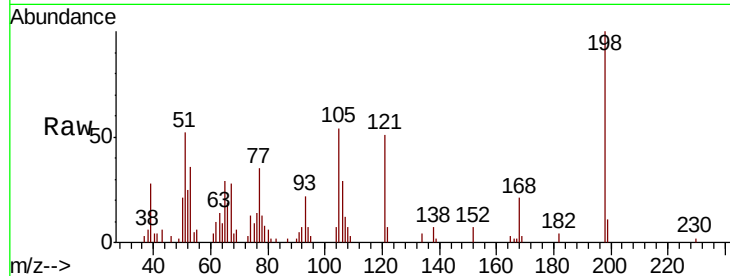




#65
4,6-Dinitro-2-methylphenol
Concen: 32.752 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.00 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

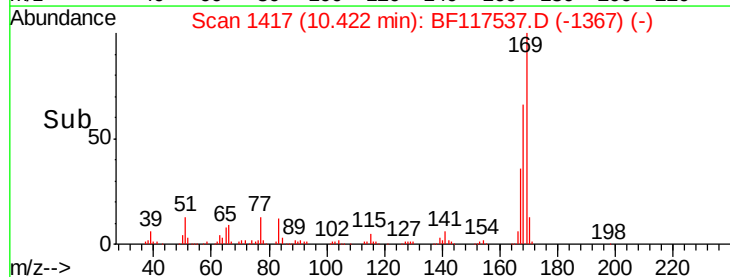
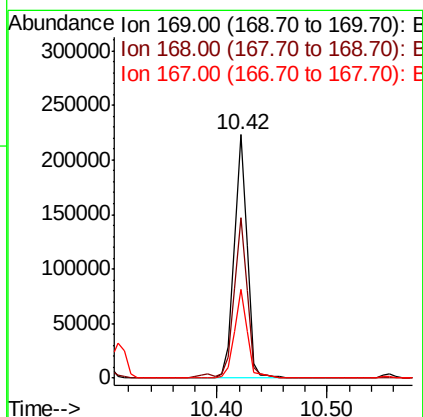
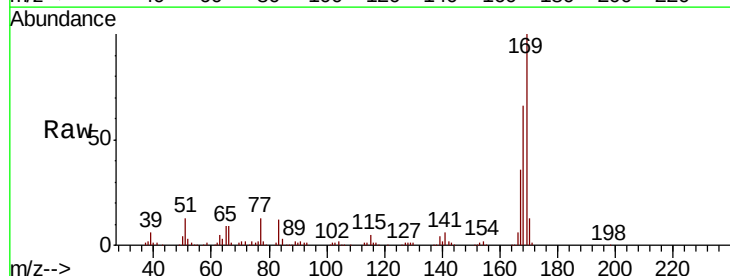
Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

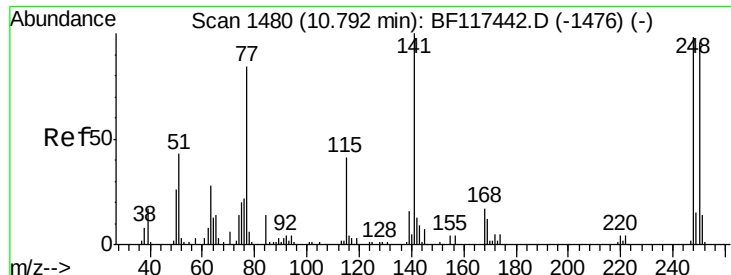
Tot Ion:198 Resp: 16986
Ion Ratio Lower Upper
198 100
51 52.1 29.1 69.1
105 54.3 39.4 79.4



#66
n-Nitrosodiphenylamine
Concen: 49.960 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion:169 Resp: 186307
Ion Ratio Lower Upper
169 100
168 65.8 51.3 76.9
167 36.3 28.2 42.4

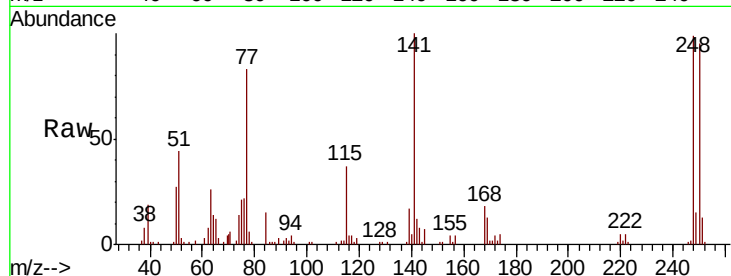




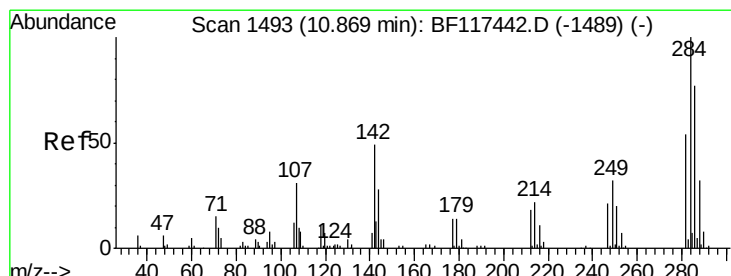
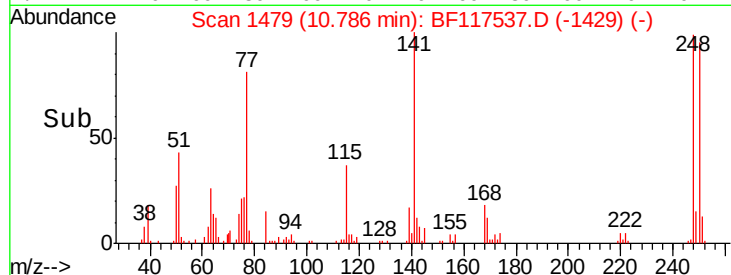
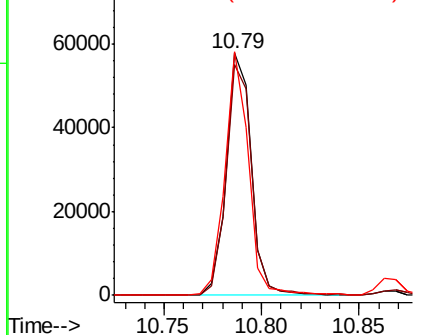
#67
4-Bromophenyl-phenylether
Concen: 46.616 ng
RT: 10.79 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion:248 Resp: 51218
Ion Ratio Lower Upper
248 100
250 95.5 78.0 117.0
141 100.7 81.7 122.5

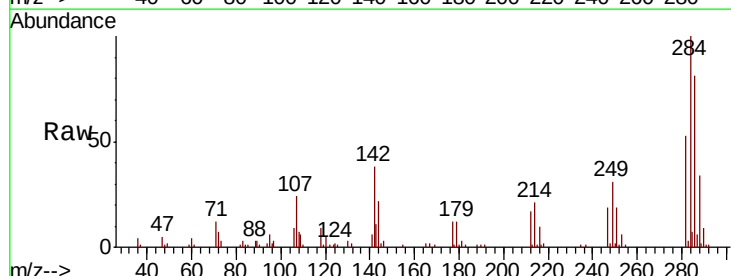


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

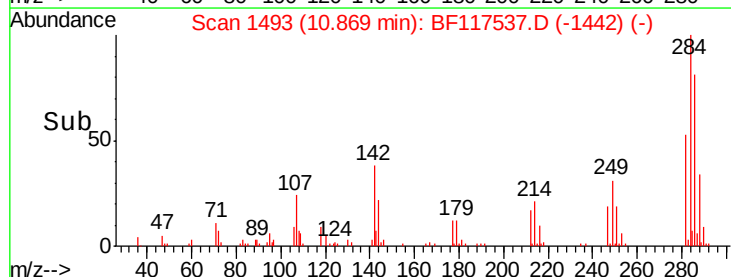
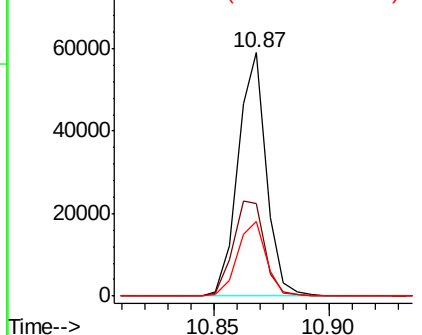


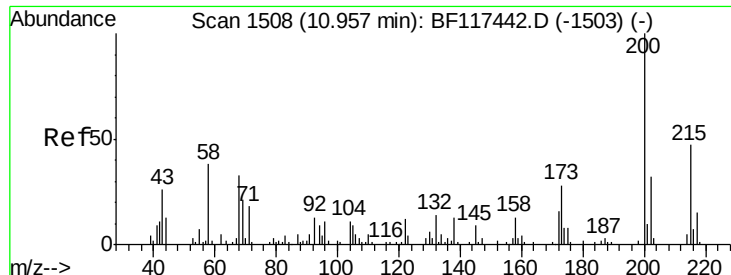
#68
Hexachlorobenzene
Concen: 42.899 ng
RT: 10.87 min Scan# 1493
Delta R.T. -0.00 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion:284 Resp: 50478
Ion Ratio Lower Upper
284 100
142 38.1 39.0 58.6#
249 30.6 25.7 38.5



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

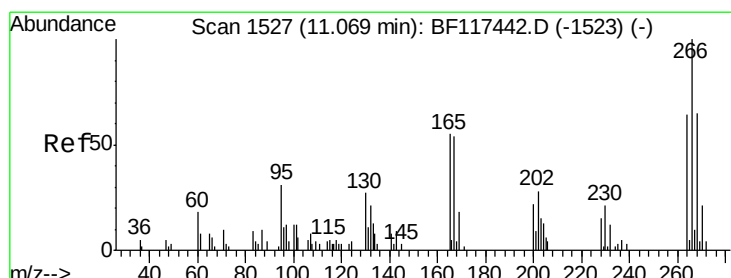
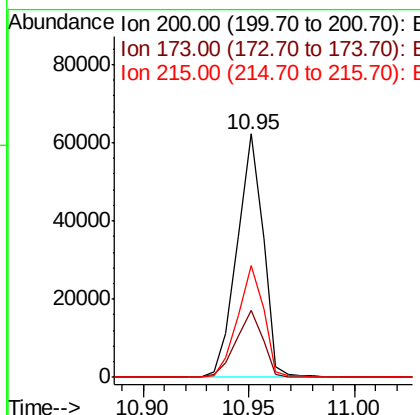
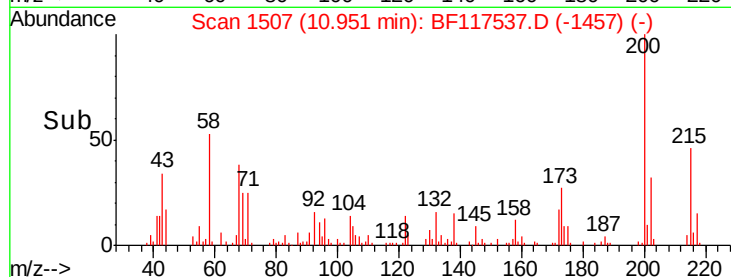
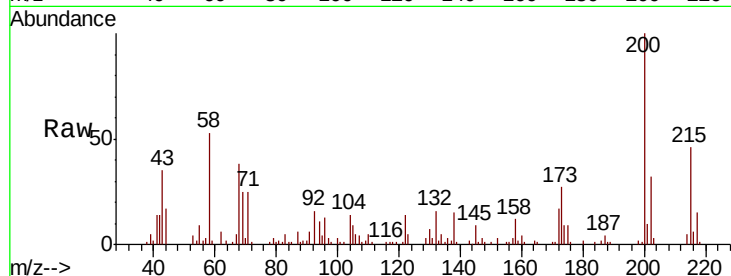




#69
Atrazine
Concen: 56.109 ng
RT: 10.95 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

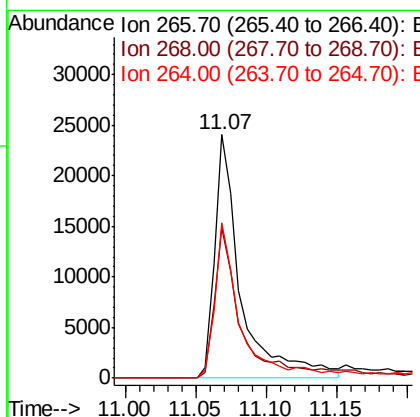
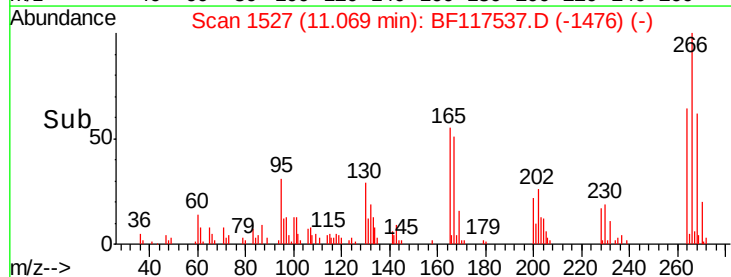
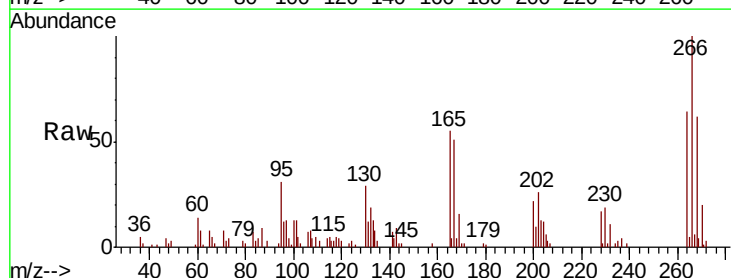
Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

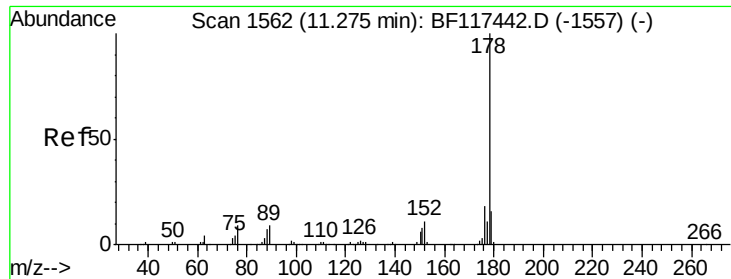
Tot Ion	Ratio	Lower	Upper
200	100		
173	27.3	8.2	48.2
215	45.7	26.8	66.8



#70
Pentachlorophenol
Concen: 88.367 ng
RT: 11.07 min Scan# 1527
Delta R.T. -0.00 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Lower	Upper
266	100		
268	61.6	51.6	77.4
264	63.7	51.4	77.2

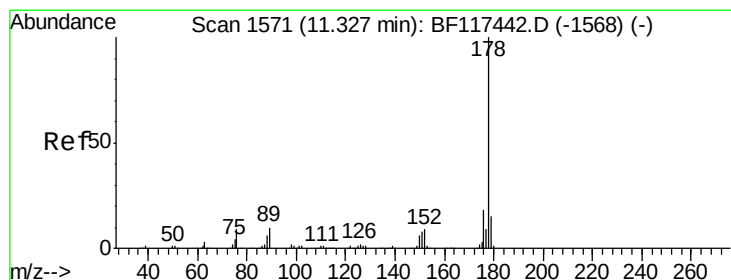
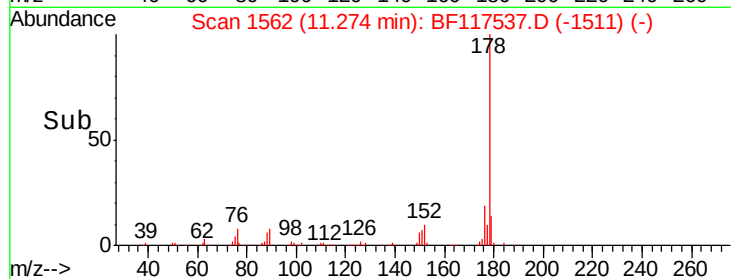
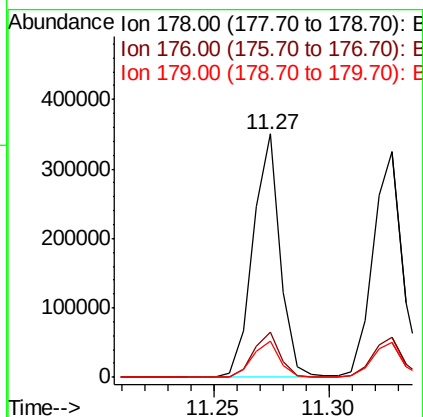
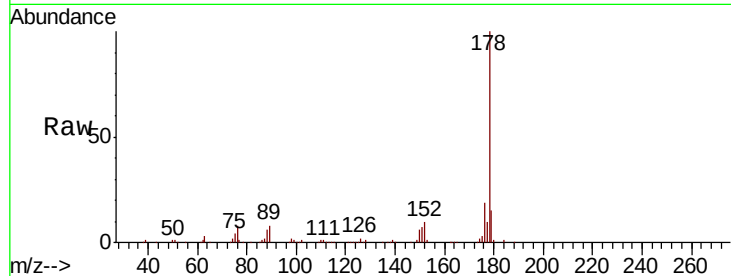




#71
Phenanthrene
Concen: 48.737 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

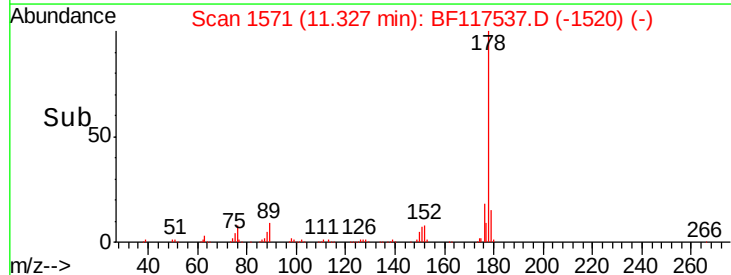
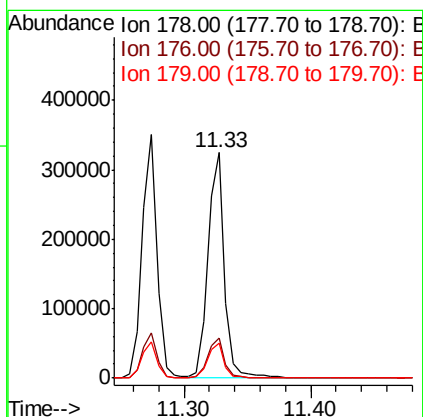
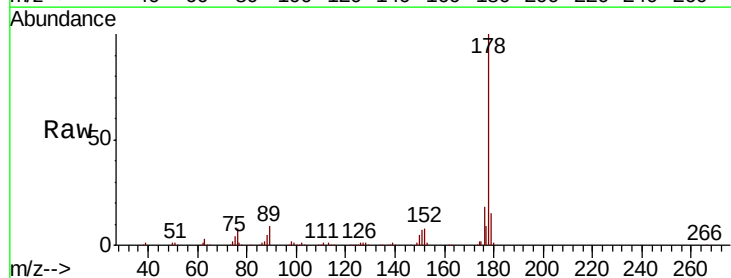
Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

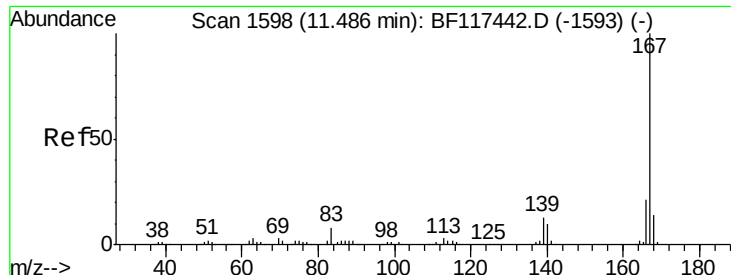
Tot Ion:178 Resp: 288675
Ion Ratio Lower Upper
178 100
176 18.6 14.6 22.0
179 15.0 12.6 19.0



#72
Anthracene
Concen: 48.275 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion:178 Resp: 293391
Ion Ratio Lower Upper
178 100
176 18.0 14.7 22.1
179 15.5 12.2 18.2

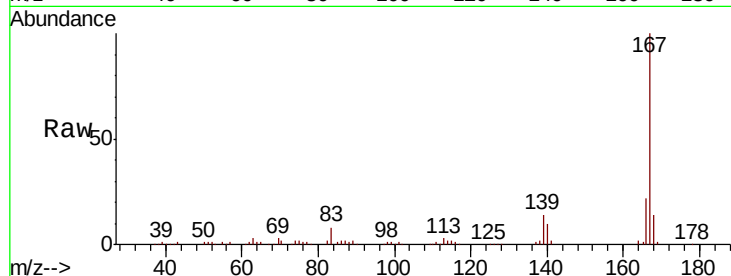




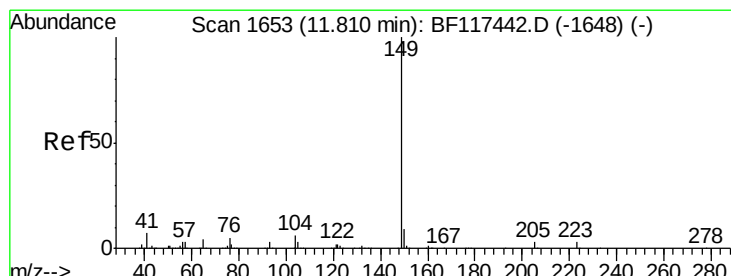
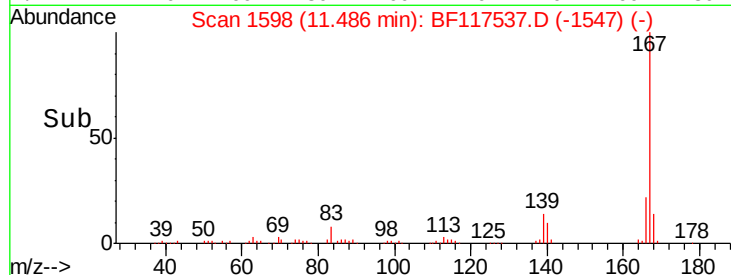
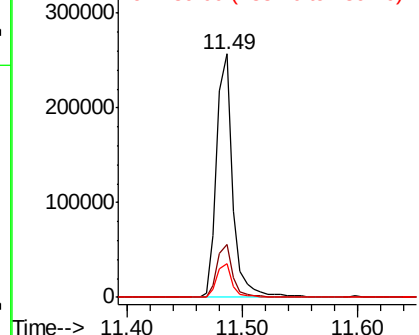
#73
 Carbazole
 Concen: 45.098 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Instrument :
 BNA_F
 ClientSampleId :
 802-00-(0-2)MSD

Tot Ion:167 Resp: 250479
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.0 25.6
 139 13.8 10.6 16.0

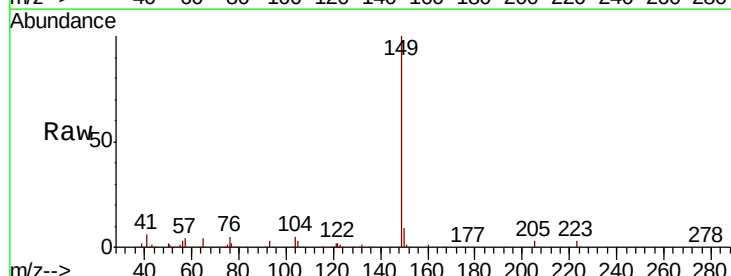


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

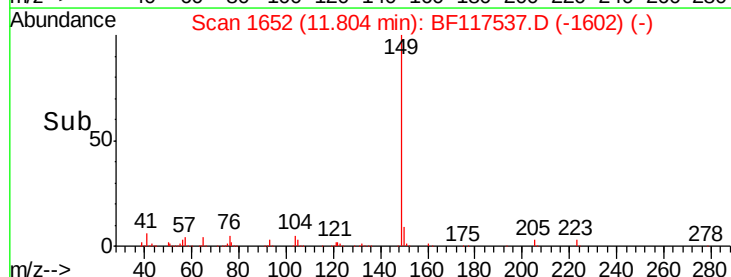
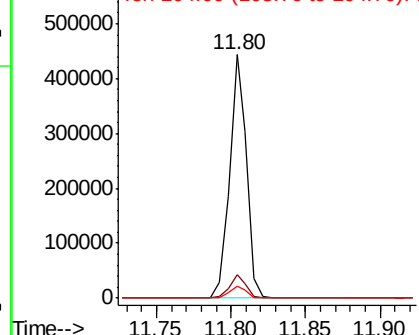


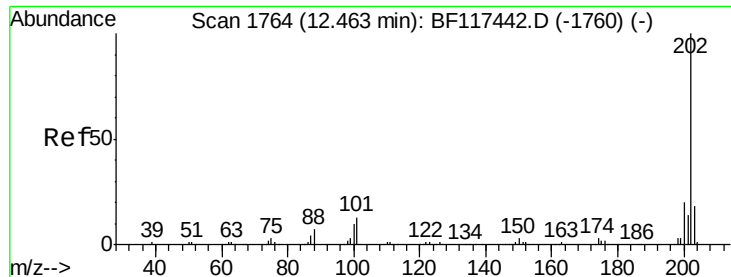
#74
 Di-n-butylphthalate
 Concen: 47.941 ng
 RT: 11.80 min Scan# 1652
 Delta R.T. -0.01 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Tgt Ion:149 Resp: 355773
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.5 11.3
 104 5.0 4.6 6.8



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 46.005 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)MSD

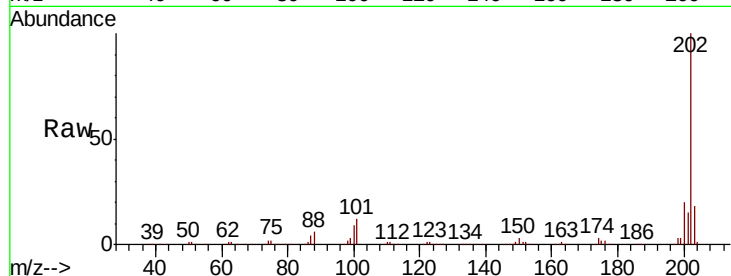
Tot Ion:202 Resp: 272788

Ion Ratio Lower Upper

202 100

101 12.0 0.0 32.7

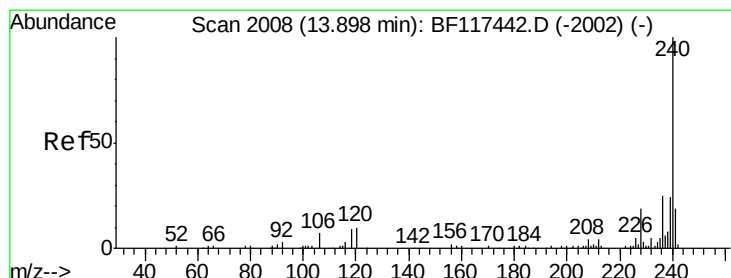
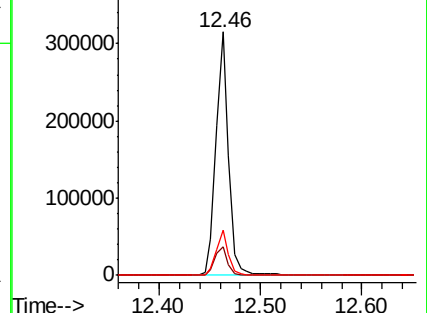
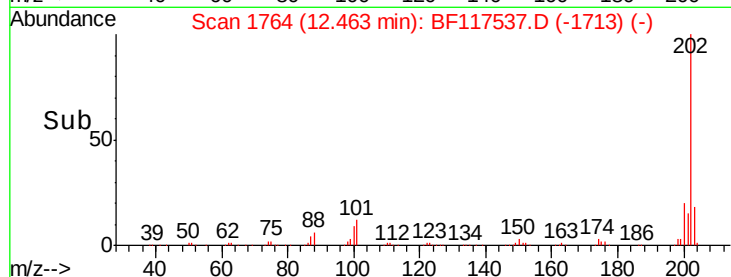
203 18.3 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

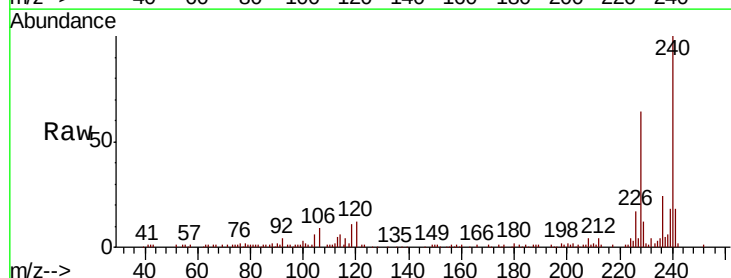
Tgt Ion:240 Resp: 69823

Ion Ratio Lower Upper

240 100

120 11.9 8.4 12.6

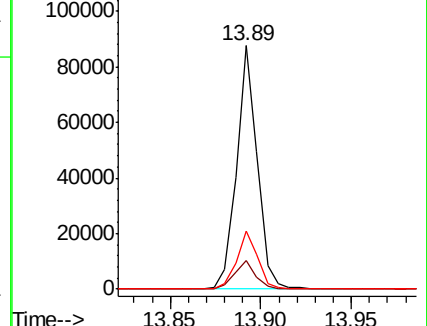
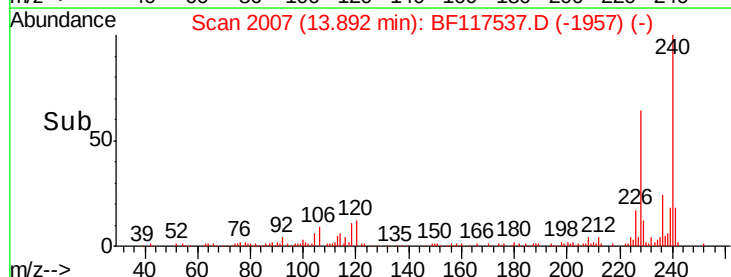
236 24.1 20.0 30.0

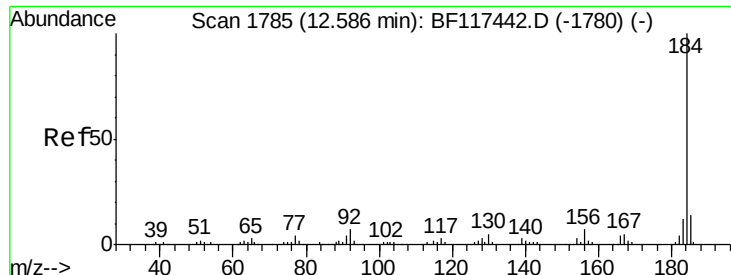


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

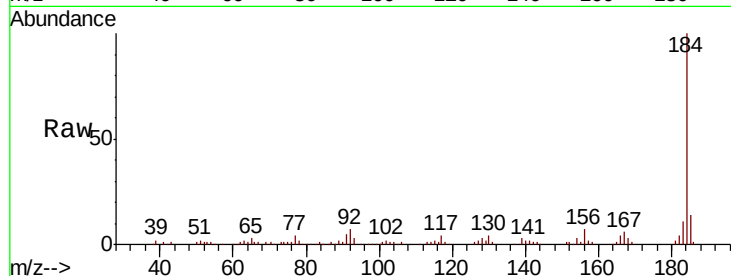




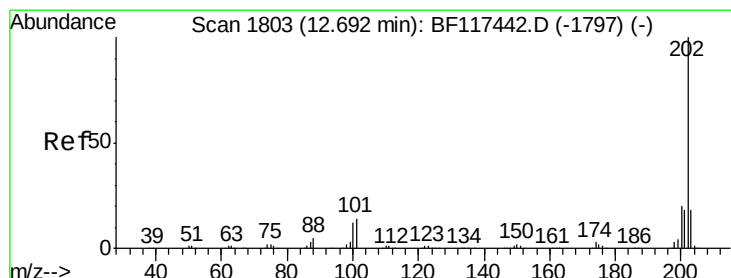
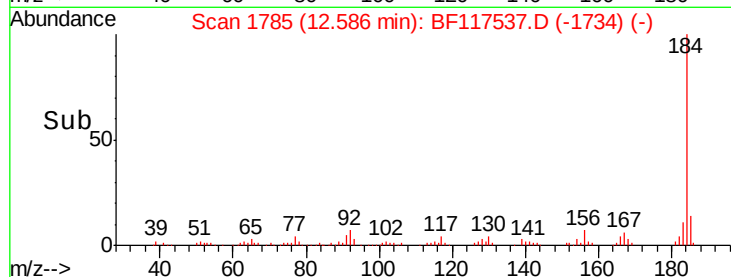
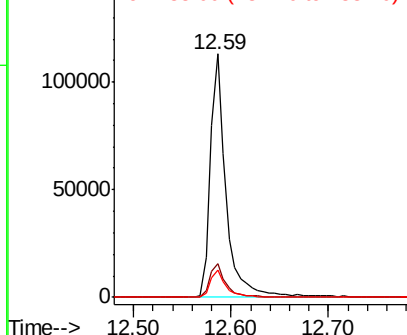
#77
Benzidine
Concen: Below Cal
RT: 12.59 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion:184 Resp: 126886
Ion Ratio Lower Upper
184 100
185 13.6 11.4 17.0
183 11.3 9.6 14.4

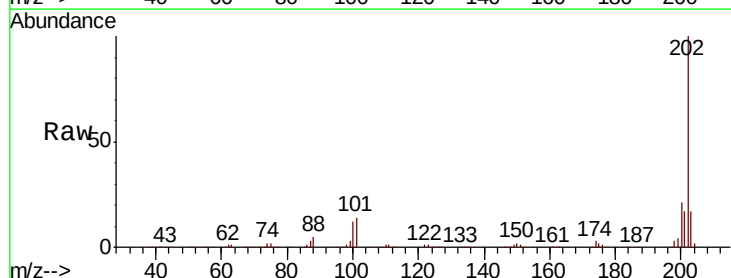


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

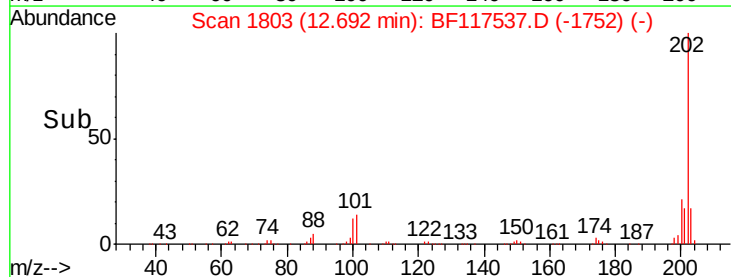
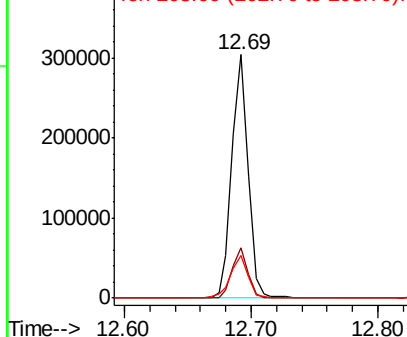


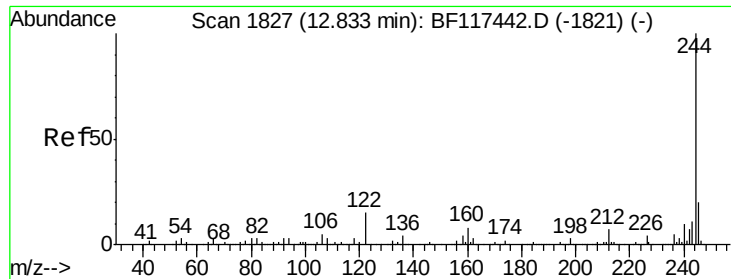
#78
Pyrene
Concen: 45.213 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion:202 Resp: 271163
Ion Ratio Lower Upper
202 100
200 20.8 16.2 24.2
203 17.4 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 63.802 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)MSD

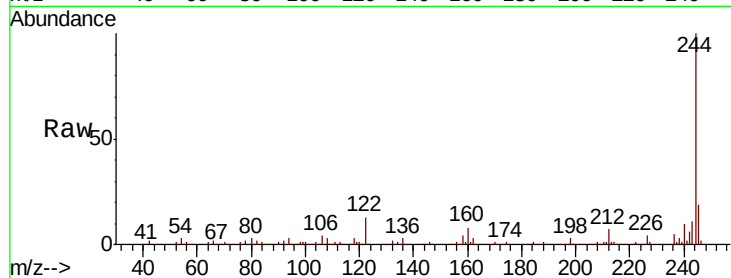
Tot Ion:244 Resp: 273118

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

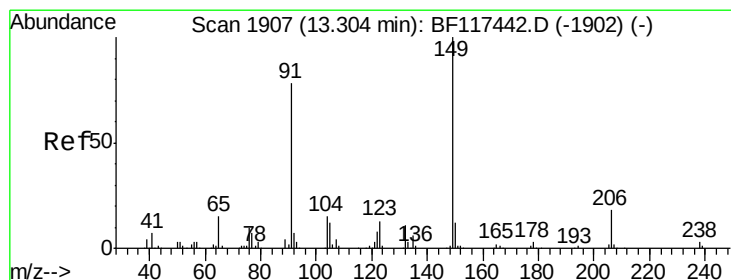
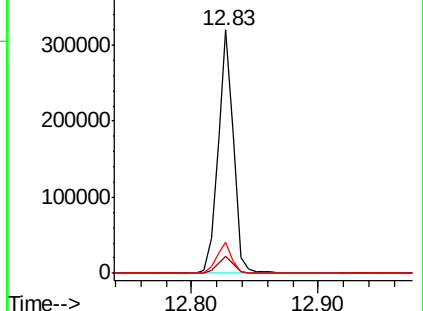
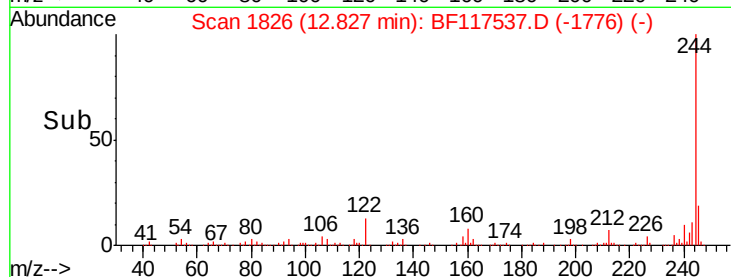
122 13.0 11.8 17.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 43.534 ng

RT: 13.30 min Scan# 1906

Delta R.T. -0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

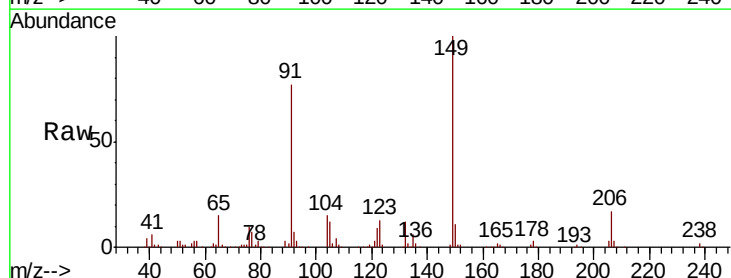
Tgt Ion:149 Resp: 129925

Ion Ratio Lower Upper

149 100

91 76.8 62.1 93.1

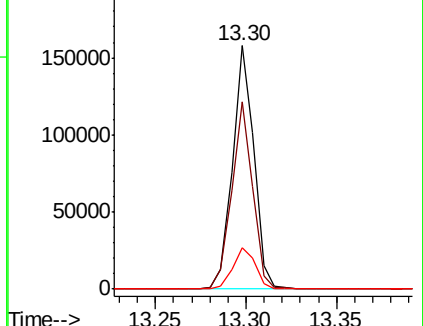
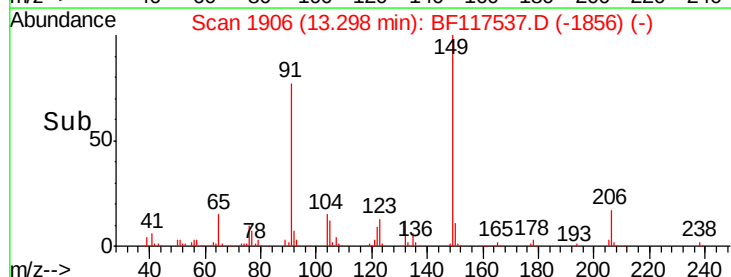
206 16.9 14.3 21.5

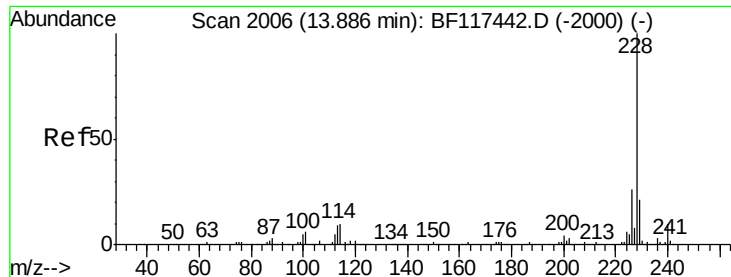


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

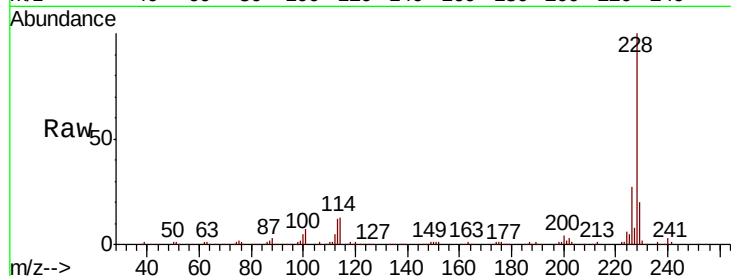




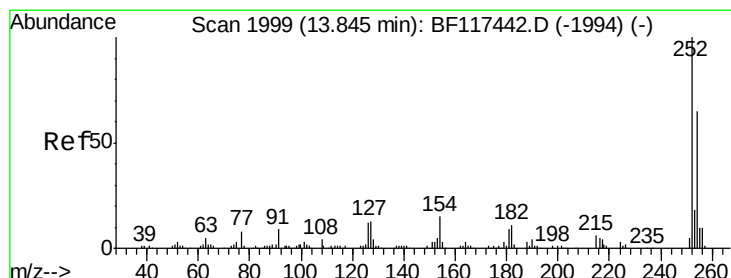
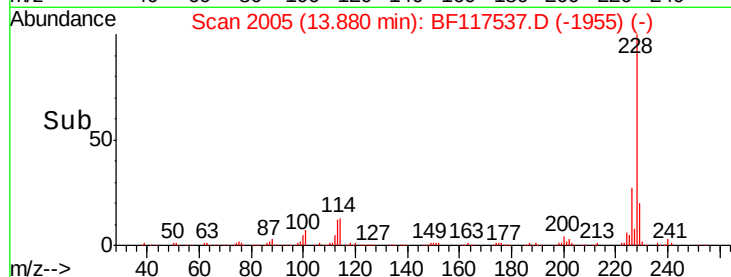
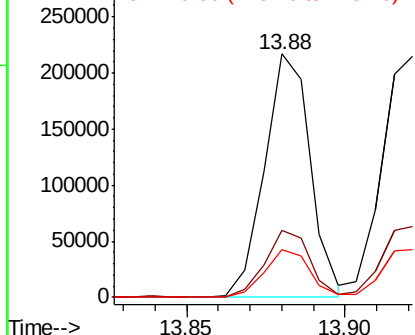
#81
Benzo(a)anthracene
Concen: 46.079 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :
802-00-(0-2)MSD

Tot Ion:228 Resp: 217023
Ion Ratio Lower Upper
228 100
226 27.5 21.0 31.4
229 19.5 16.4 24.6

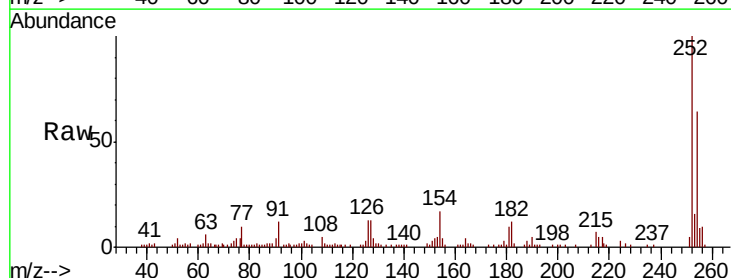


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

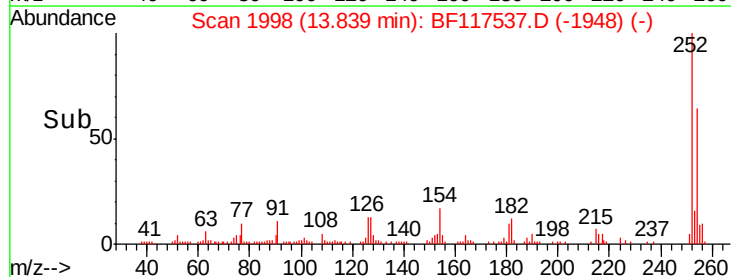
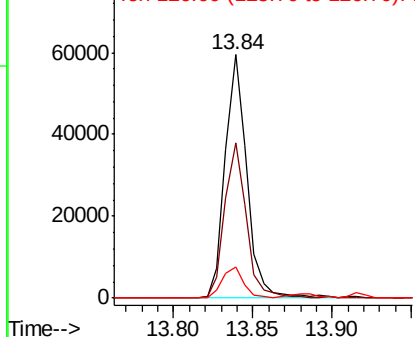


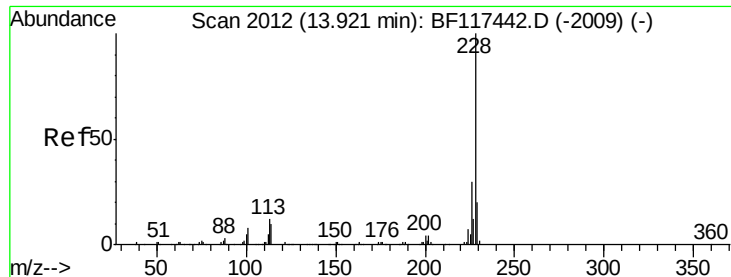
#82
3,3'-Dichlorobenzidine
Concen: 38.278 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF117537.D
Acq: 25 Oct 2019 15:45

Tgt Ion:252 Resp: 56571
Ion Ratio Lower Upper
252 100
254 63.8 52.2 78.4
126 13.0 9.2 13.8



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E

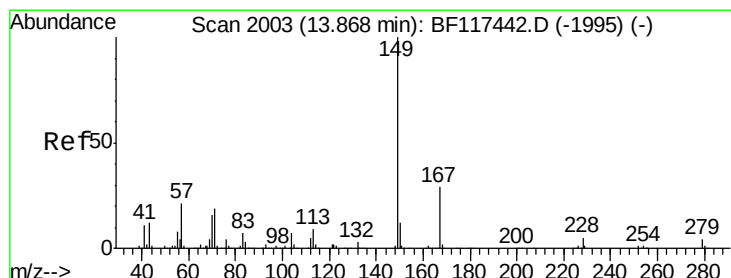
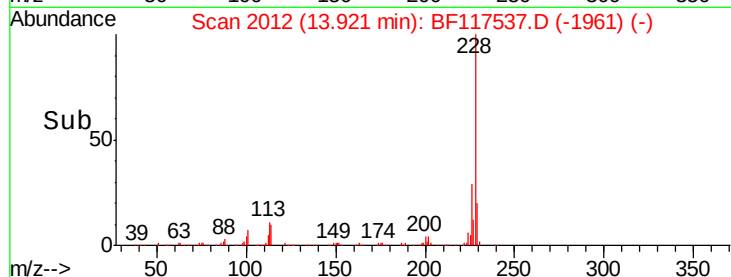
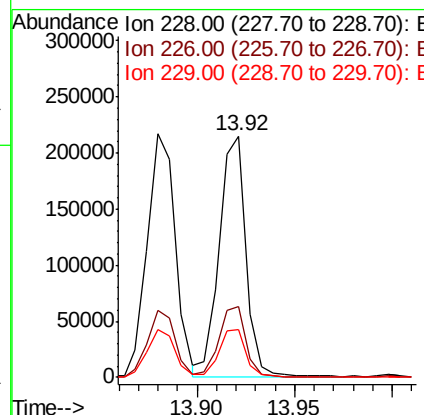
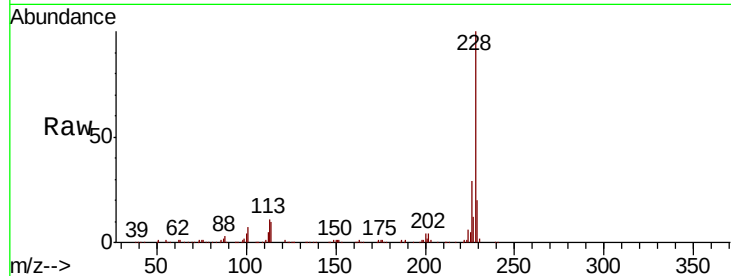




#83
 Chrysene
 Concen: 44.255 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.00 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

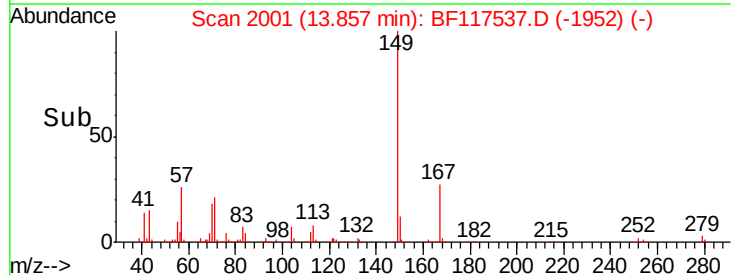
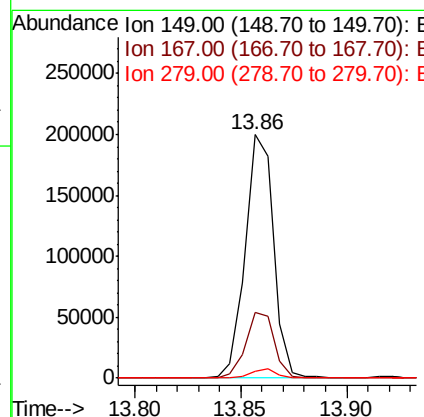
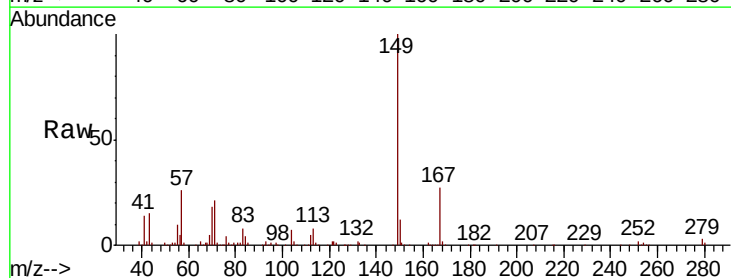
Instrument :
 BNA_F
 ClientSampleId :
 802-00-(0-2)MSD

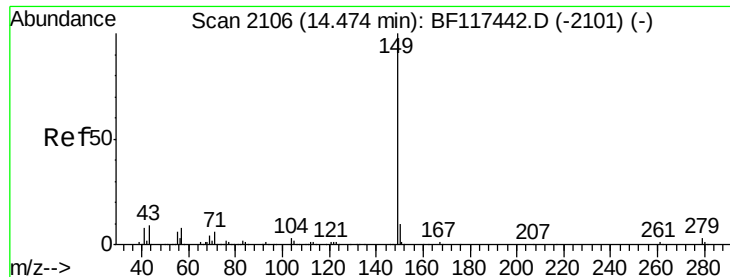
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.9	35.9
229	19.9	15.8	23.6



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 44.329 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BF117537.D
 Acq: 25 Oct 2019 15:45

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.2	23.3	34.9
279	2.8	3.2	4.8#





#85

Di-n-octyl phthalate

Concen: 50.042 ng

RT: 14.47 min Scan# 2106

Delta R.T. -0.00 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)MSD

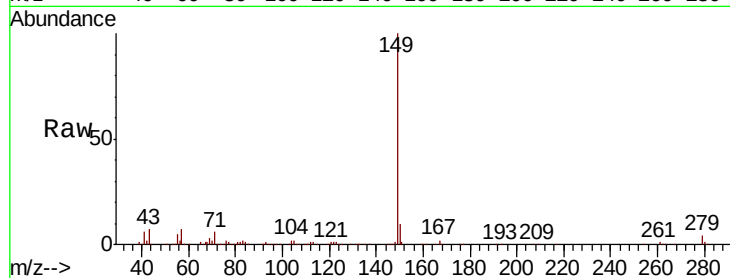
Tot Ion:149 Resp: 321659

Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

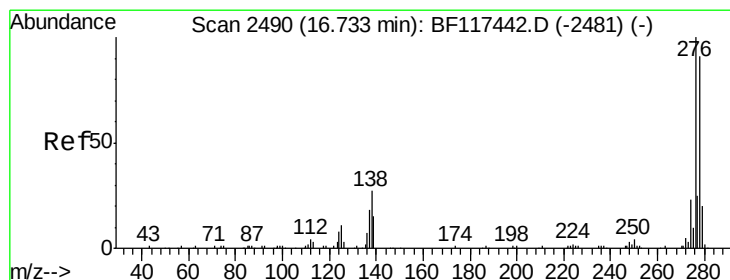
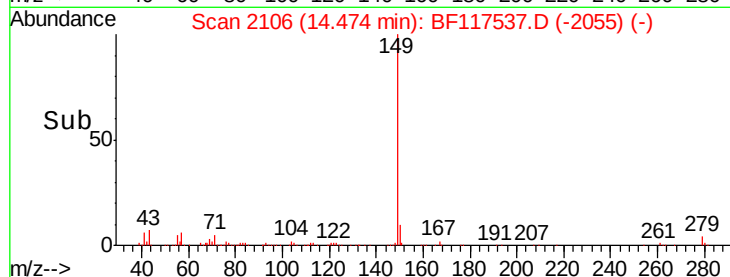
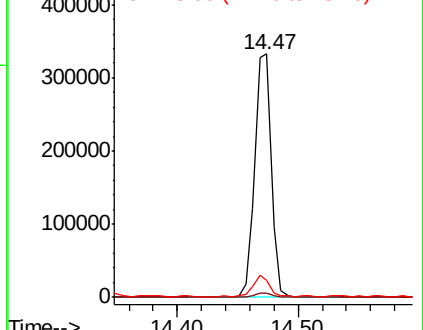
43 8.2 6.8 10.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 60.841 ng

RT: 16.74 min Scan# 2492

Delta R.T. 0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

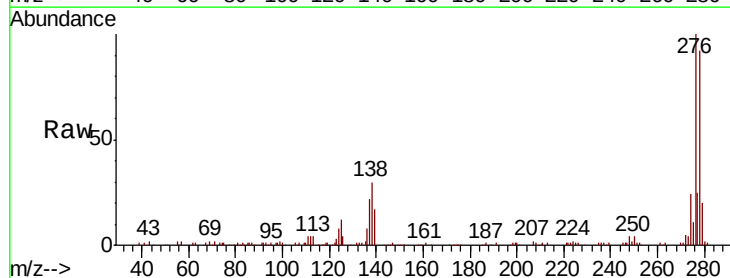
Tgt Ion:276 Resp: 209675

Ion Ratio Lower Upper

276 100

138 29.8 21.8 32.8

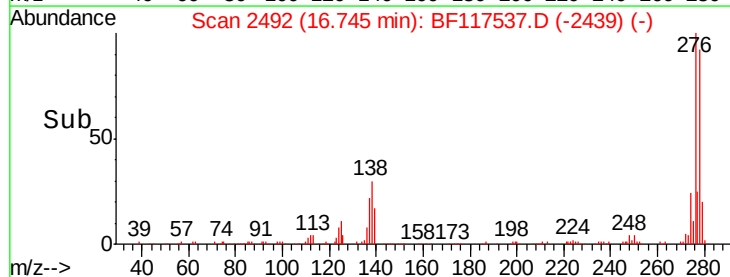
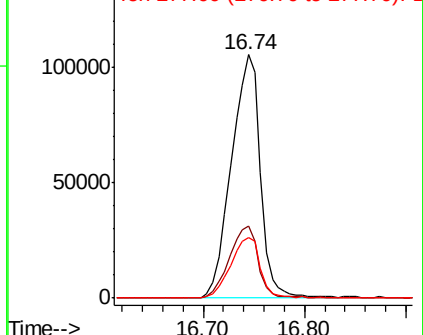
277 25.6 20.0 30.0

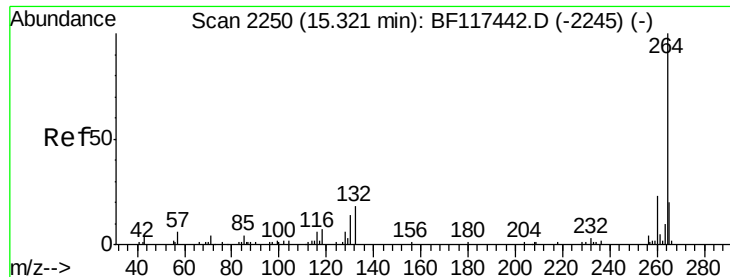


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.33 min Scan# 2251

Delta R.T. 0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)MSD

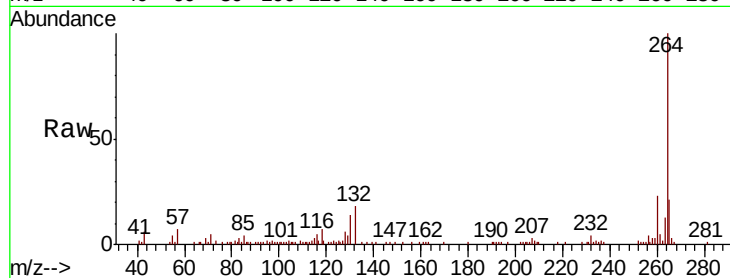
Tot Ion:264 Resp: 76577

Ion Ratio Lower Upper

264 100

260 22.7 18.4 27.6

265 20.6 16.1 24.1

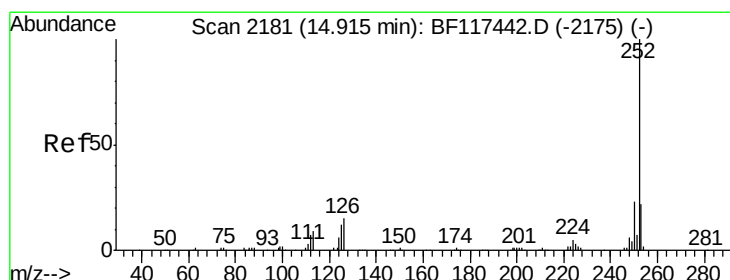
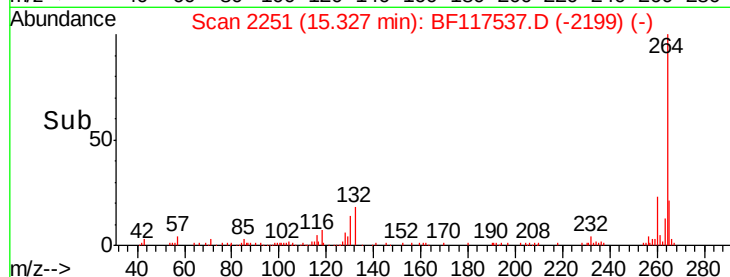
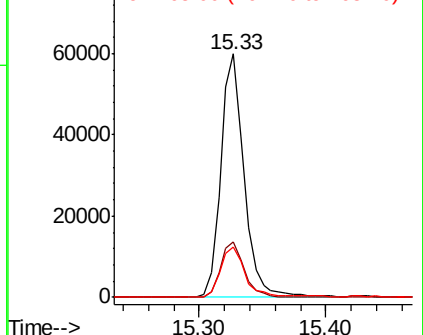


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 47.145 ng

RT: 14.92 min Scan# 2182

Delta R.T. 0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

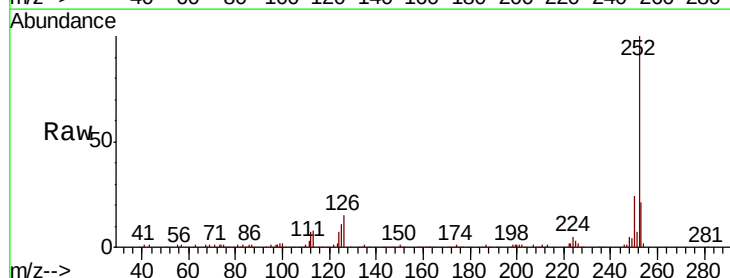
Tgt Ion:252 Resp: 213189

Ion Ratio Lower Upper

252 100

253 21.3 17.8 26.6

125 11.4 9.9 14.9

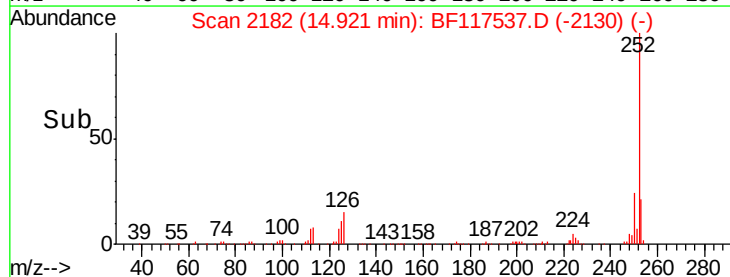
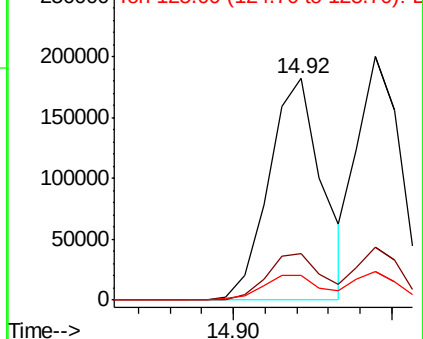


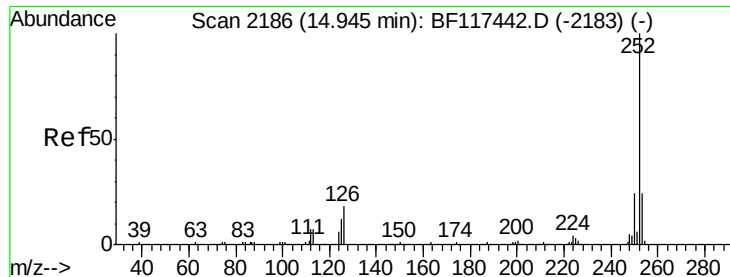
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 41.266 ng

RT: 14.94 min Scan# 2186

Delta R.T. -0.00 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)MSD

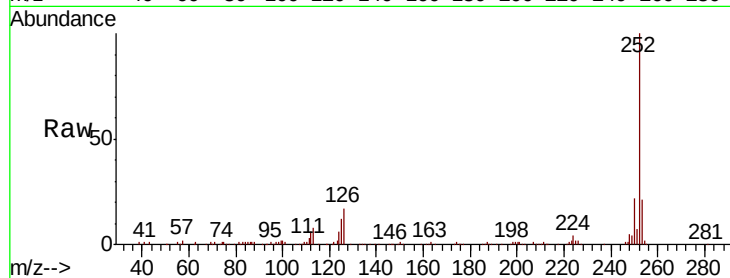
Tot Ion:252 Resp: 191259

Ion Ratio Lower Upper

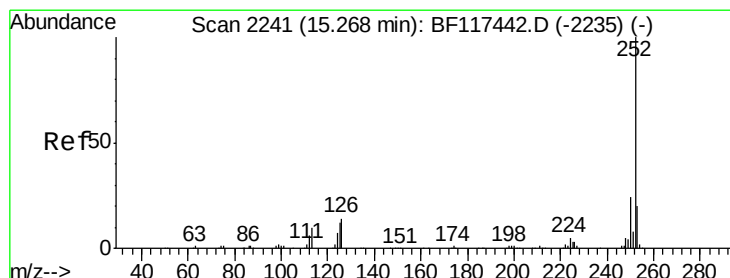
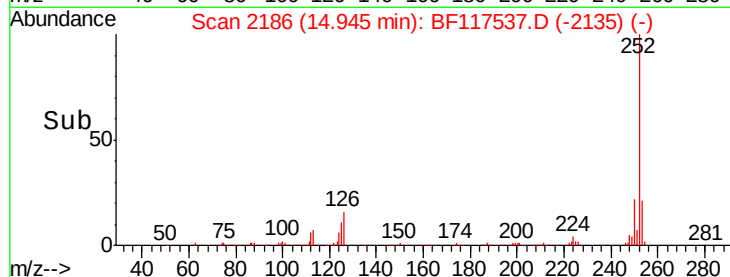
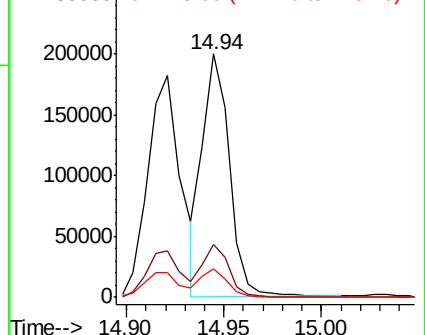
252 100

253 21.5 18.0 27.0

125 11.7 8.9 13.3



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 46.751 ng

RT: 15.27 min Scan# 2241

Delta R.T. -0.00 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

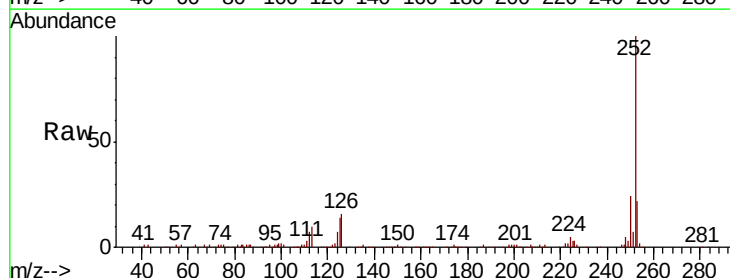
Tgt Ion:252 Resp: 192211

Ion Ratio Lower Upper

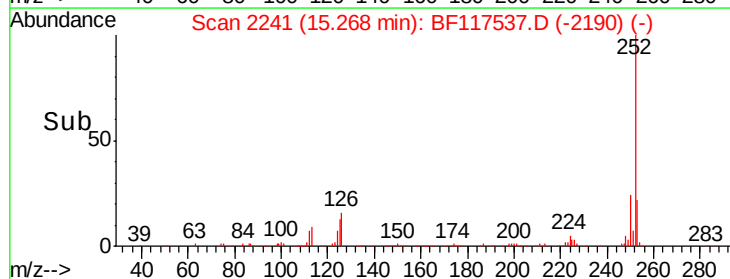
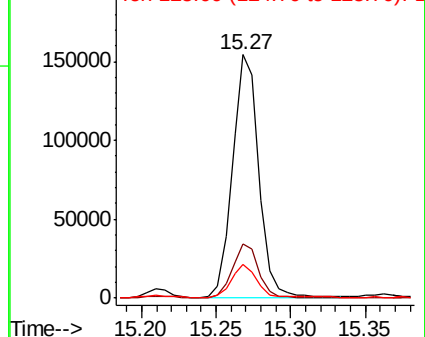
252 100

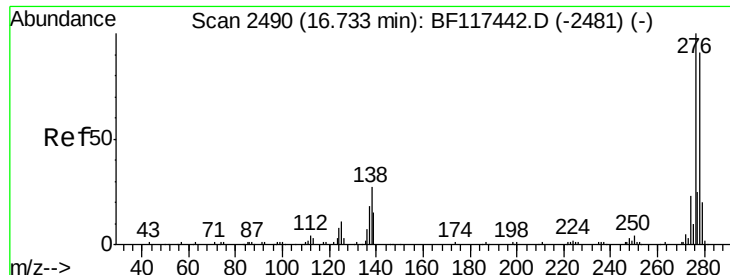
253 22.1 16.3 24.5

125 13.6 9.2 13.8



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 50.575 ng

RT: 16.74 min Scan# 2492

Delta R.T. 0.01 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

Instrument :

BNA_F

ClientSampleId :

802-00-(0-2)MSD

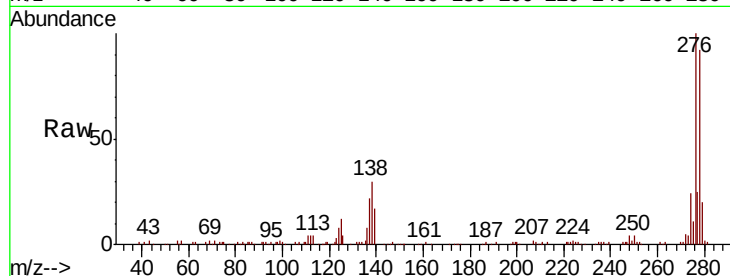
Tot Ion:278 Resp: 179797

Ion Ratio Lower Upper

278 100

139 18.2 13.4 20.0

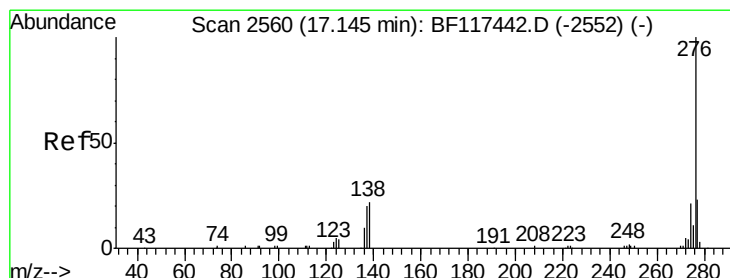
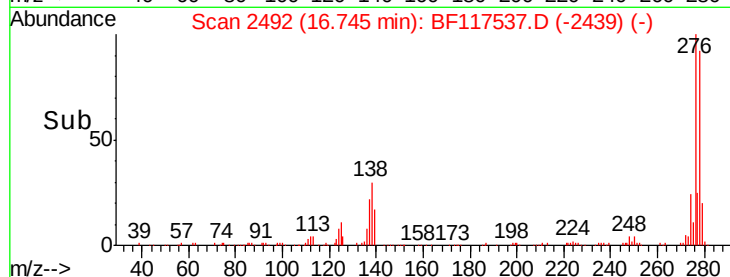
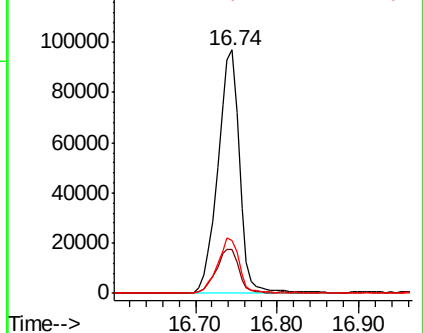
279 21.9 17.8 26.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 50.298 ng

RT: 17.16 min Scan# 2563

Delta R.T. 0.02 min

Lab File: BF117537.D

Acq: 25 Oct 2019 15:45

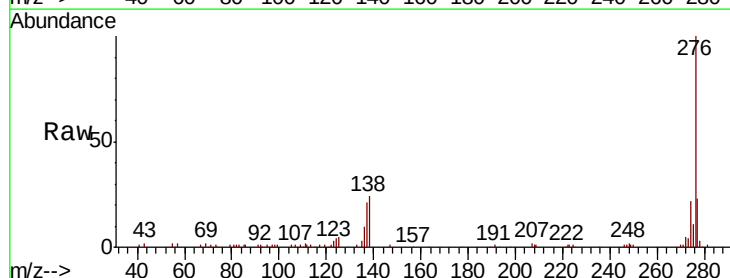
Tgt Ion:276 Resp: 169185

Ion Ratio Lower Upper

276 100

277 22.7 18.4 27.6

138 24.0 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

