

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
 Data File : BF117464.D
 Acq On : 21 Oct 2019 22:55
 Operator : JU
 Sample : K5448-01MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 22 01:56:38 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	67794	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	272860	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	145305	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	242950	20.00	ng	0.00
76) Chrysene-d12	13.90	240	192331	20.00	ng	0.00
87) Perylene-d12	15.32	264	194270	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	407854	89.50	ng	0.00
7) Phenol-d6	6.39	99	564437	92.22	ng	0.00
23) Nitrobenzene-d5	7.30	82	351205	63.54	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	116626	92.76	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	599024	58.09	ng	0.00
79) Terphenyl-d14	12.83	244	610081	51.74	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.42	88	44848	23.408	ng	96
3) Pyridine	3.17	79	109636	23.376	ng	98
4) n-Nitrosodimethylamine	3.09	42	49414	29.041	ng	95
6) Aniline	6.40	93	146505	20.389	ng	# 67
8) 2-Chlorophenol	6.52	128	143519	29.847	ng	100
9) Benzaldehyde	6.29	77	83597	25.343	ng	97
10) Phenol	6.40	94	184924	29.603	ng	84
11) bis(2-Chloroethyl)ether	6.47	93	130929	28.336	ng	97
12) 1,3-Dichlorobenzene	6.67	146	143925	26.822	ng	98
13) 1,4-Dichlorobenzene	6.75	146	151346	27.803	ng	99
14) 1,2-Dichlorobenzene	6.90	146	137189	26.736	ng	98
15) Benzyl Alcohol	6.89	79	130590	29.864	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.01	45	129968	26.075	ng	75
17) 2-Methylphenol	7.00	107	119442	30.195	ng	93
18) Hexachloroethane	7.24	117	56964	26.810	ng	94
19) n-Nitroso-di-n-propylamine	7.15	70	107245	28.691	ng	97
20) 3+4-Methylphenols	7.16	107	150499	29.018	ng	# 87
22) Acetophenone	7.15	105	208130	28.726	ng	# 98
24) Nitrobenzene	7.32	77	160403	30.300	ng	99
25) Isophorone	7.56	82	293547	30.701	ng	97
26) 2-Nitrophenol	7.64	139	71762	30.394	ng	98
27) 2,4-Dimethylphenol	7.68	122	122374	34.681	ng	99
28) bis(2-Chloroethoxy)methane	7.77	93	172282	29.201	ng	99
29) 2,4-Dichlorophenol	7.89	162	114357	30.899	ng	99
30) 1,2,4-Trichlorobenzene	7.96	180	113458	28.567	ng	98
31) Naphthalene	8.04	128	404850	29.934	ng	98
32) Benzoic acid	7.84	122	67205	27.807	ng	98
33) 4-Chloroaniline	8.10	127	39545	6.928	ng	97
34) Hexachlorobutadiene	8.15	225	63832	27.767	ng	96
35) Caprolactam	8.47	113	18971	15.957	ng	90
36) 4-Chloro-3-methylphenol	8.59	107	134348	31.829	ng	95
37) 2-Methylnaphthalene	8.73	142	286693	31.459	ng	99
38) 1-Methylnaphthalene	8.83	142	262539	30.658	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.90	216	106122	27.116	ng	98

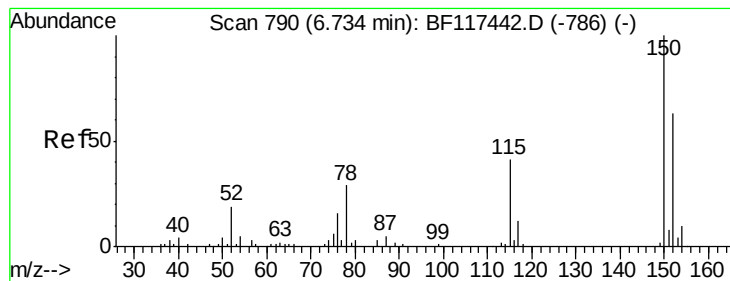
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
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 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.88	237	65427	66.993	ng	96
43) 2,4,6-Trichlorophenol	9.02	196	72833	29.718	ng	99
44) 2,4,5-Trichlorophenol	9.06	196	78175	31.478	ng	97
46) 1,1'-Biphenyl	9.19	154	333033	27.685	ng	99
47) 2-Chloronaphthalene	9.22	162	256227	28.250	ng	98
48) 2-Nitroaniline	9.32	65	85047	28.564	ng	# 83
49) Acenaphthylene	9.63	152	399370	29.978	ng	99
50) Dimethylphthalate	9.49	163	426960	41.218	ng	100
51) 2,6-Dinitrotoluene	9.56	165	65421	30.265	ng	94
52) Acenaphthene	9.80	154	236089	28.885	ng	100
53) 3-Nitroaniline	9.73	138	38620	14.725	ng	90
54) 2,4-Dinitrophenol	9.85	184	41090	47.866	ng	# 86
55) Dibenzofuran	9.97	168	357695	30.206	ng	98
56) 4-Nitrophenol	9.92	139	76937	64.568	ng	93
57) 2,4-Dinitrotoluene	9.97	165	88629	30.839	ng	98
58) Fluorene	10.32	166	294741	30.098	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.10	232	61809	31.666	ng	96
60) Diethylphthalate	10.19	149	316612	30.218	ng	98
61) 4-Chlorophenyl-phenylether	10.30	204	131042	29.826	ng	96
62) 4-Nitroaniline	10.35	138	68954	27.893	ng	93
63) Azobenzene	10.46	77	332232	30.975	ng	96
65) 4,6-Dinitro-2-methylphenol	10.39	198	36284	29.375	ng	89
66) n-Nitrosodiphenylamine	10.43	169	257681	29.012	ng	100
67) 4-Bromophenyl-phenylether	10.79	248	74578	28.499	ng	97
68) Hexachlorobenzene	10.87	284	77450	27.636	ng	94
69) Atrazine	10.96	200	83187	36.813	ng	96
70) Pentachlorophenol	11.07	266	62183	74.015	ng	98
71) Phenanthrene	11.27	178	418752	29.684	ng	98
72) Anthracene	11.33	178	445097	30.750	ng	99
73) Carbazole	11.49	167	409320	30.943	ng	99
74) Di-n-butylphthalate	11.81	149	533230	30.169	ng	100
75) Fluoranthene	12.46	202	433342	30.685	ng	99
77) Benzidine	12.59	184	251831	49.251	ng	99
78) Pyrene	12.69	202	448422	27.144	ng	100
80) Butylbenzylphthalate	13.30	149	224313	27.286	ng	99
81) Benzo(a)anthracene	13.89	228	380030	29.293	ng	99
82) 3,3'-Dichlorobenzidine	13.84	252	59471	14.608	ng	# 98
83) Chrysene	13.92	228	370662	29.152	ng	99
84) Bis(2-ethylhexyl)phthalate	13.86	149	333963	29.000	ng	# 96
85) Di-n-octyl phthalate	14.47	149	574577	32.452	ng	99
86) Indeno(1,2,3-cd)pyrene	16.73	276	308007	32.446	ng	100
88) Benzo(b)fluoranthene	14.92	252	321009	27.982	ng	97
89) Benzo(k)fluoranthene	14.94	252	331073	28.157	ng	99
90) Benzo(a)pyrene	15.26	252	292670	28.060	ng	98
91) Dibenzo(a,h)anthracene	16.73	278	260939	28.933	ng	97
92) Benzo(g,h,i)perylene	17.15	276	248192	29.085	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.73 min Scan# 790

Delta R.T. -0.00 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

Instrument :

BNA_F

ClientSampleId :

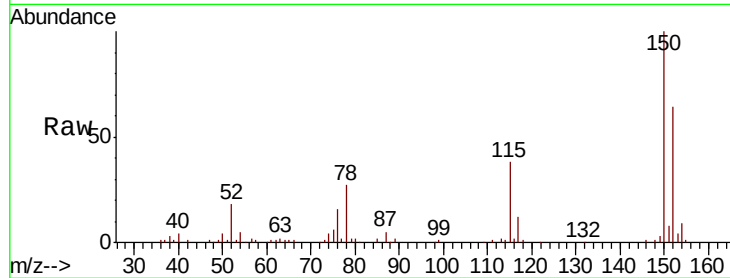
Tot Ion:152 Resp: 67794

Ion Ratio Lower Upper

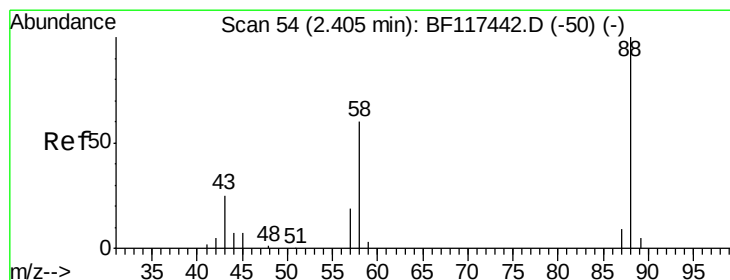
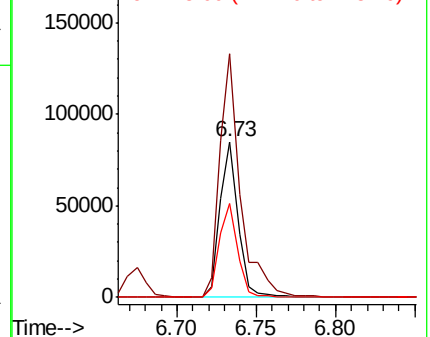
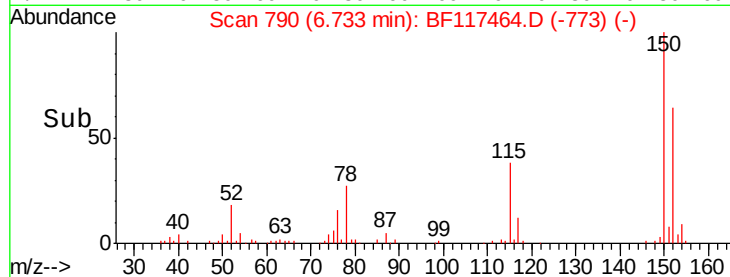
152 100

150 156.3 126.8 190.2

115 60.1 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: 23.408 ng

RT: 2.42 min Scan# 57

Delta R.T. 0.02 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

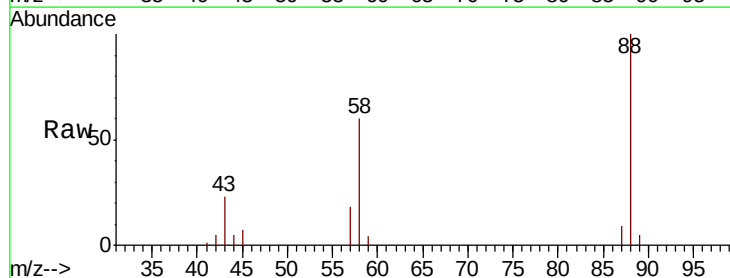
Tgt Ion: 88 Resp: 44848

Ion Ratio Lower Upper

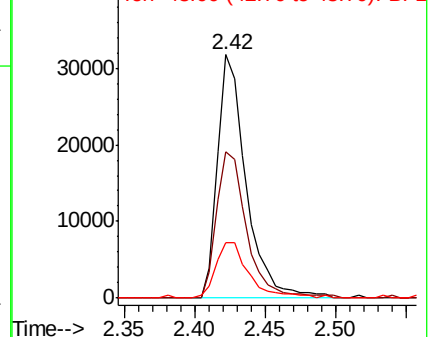
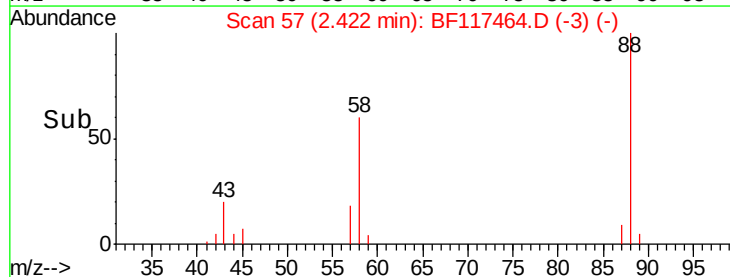
88 100

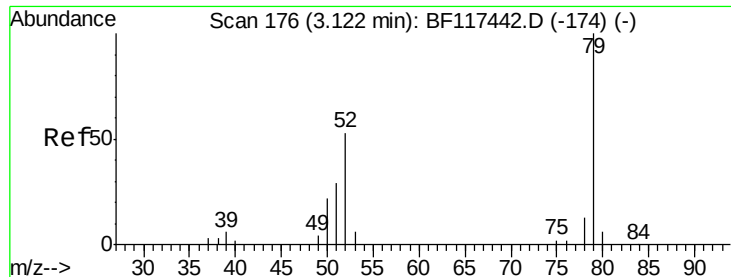
58 63.4 48.8 73.2

43 26.5 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: 23.376 ng

RT: 3.17 min Scan# 184

Delta R.T. 0.05 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

Instrument :

BNA_F

ClientSampleId :

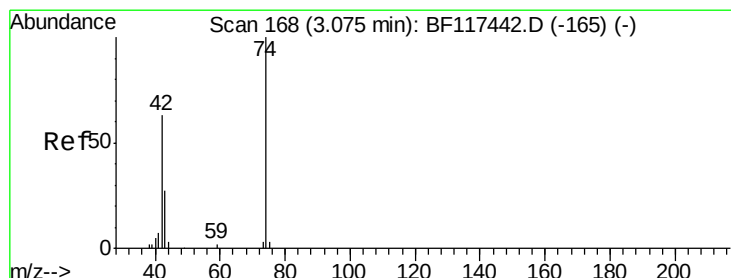
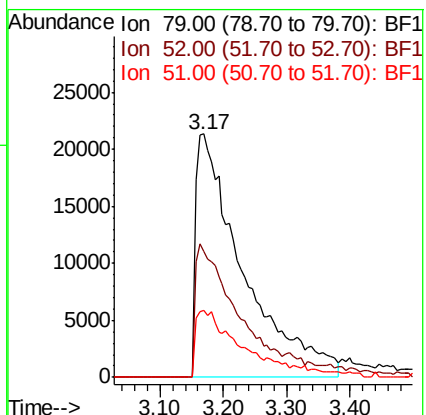
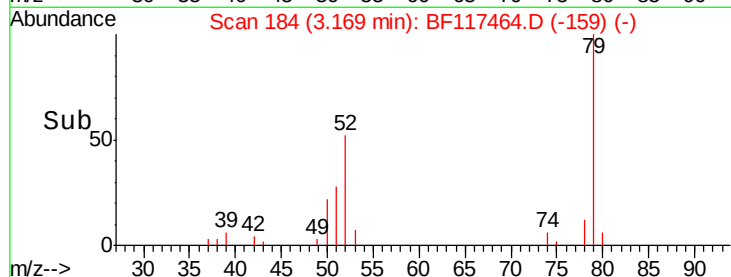
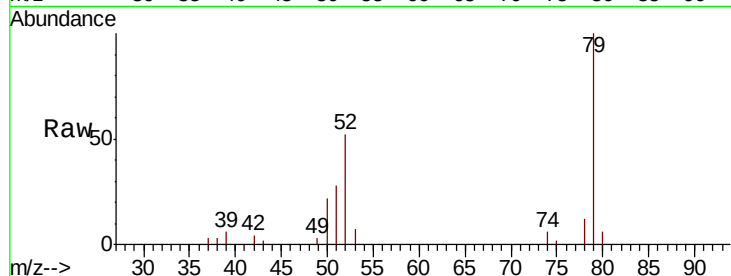
Tot Ion: 79 Resp: 109636

Ion Ratio Lower Upper

79 100

52 51.8 42.4 63.6

51 27.7 23.3 34.9



#4

n-Nitrosodimethylamine

Concen: 29.041 ng

RT: 3.09 min Scan# 171

Delta R.T. 0.02 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

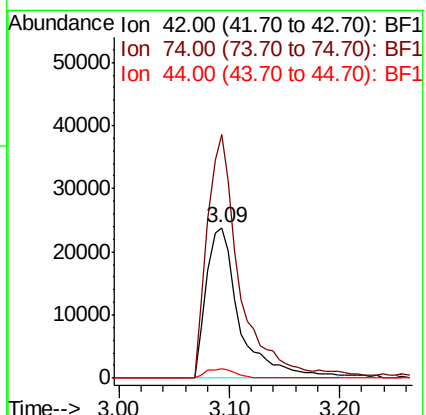
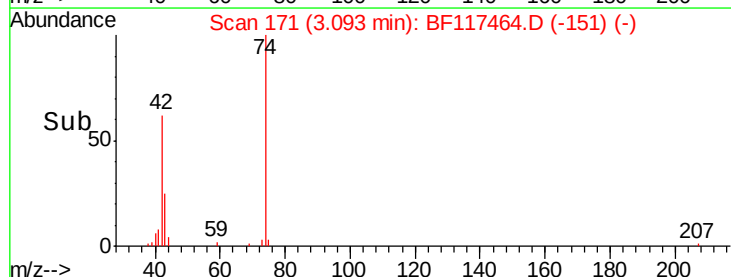
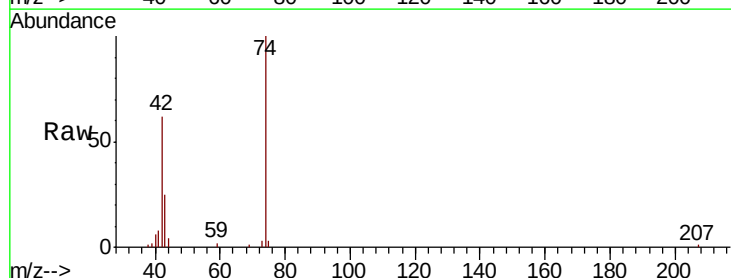
Tgt Ion: 42 Resp: 49414

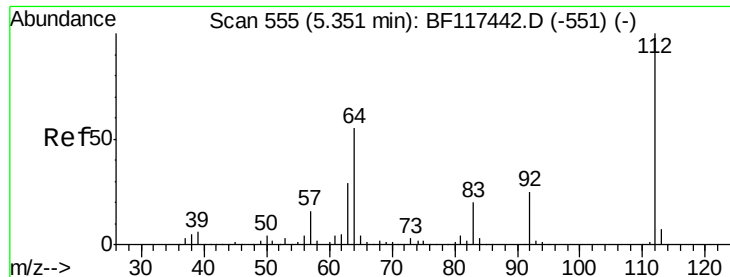
Ion Ratio Lower Upper

42 100

74 162.0 124.2 186.4

44 6.1 4.2 6.4





#5

2-Fluorophenol

Concen: 89.501 ng

RT: 5.36 min Scan# 556

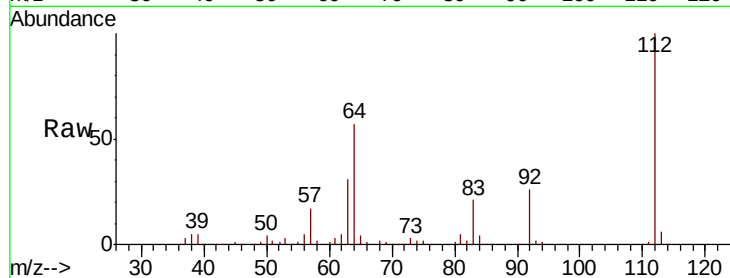
Delta R.T. 0.01 min

Lab File: BF117464.D

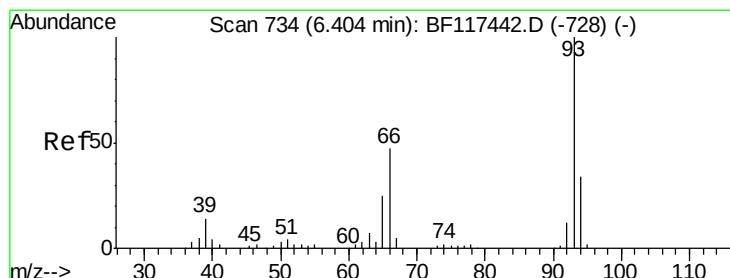
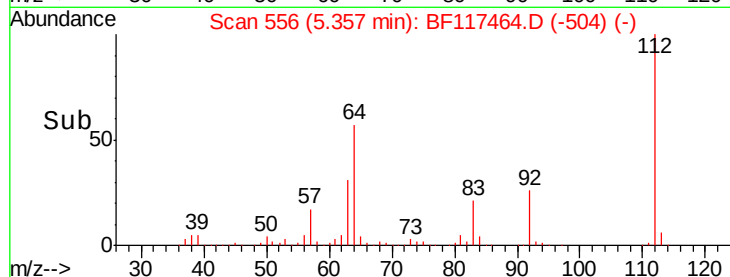
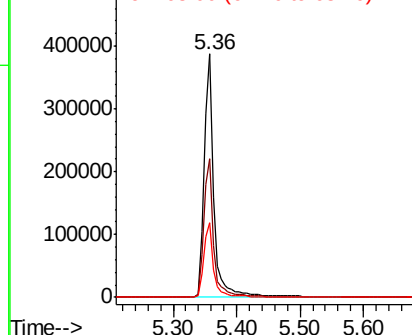
Acq: 21 Oct 2019 22:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	112	Resp:	407854
Ion	Ratio	Lower	Upper
112	100		
64	57.0	44.1	66.1
63	30.5	23.4	35.2



Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 20.389 ng

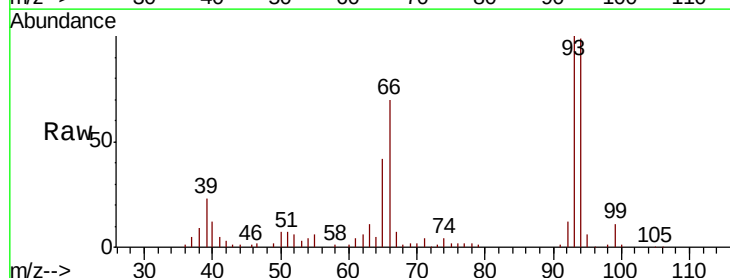
RT: 6.40 min Scan# 734

Delta R.T. -0.00 min

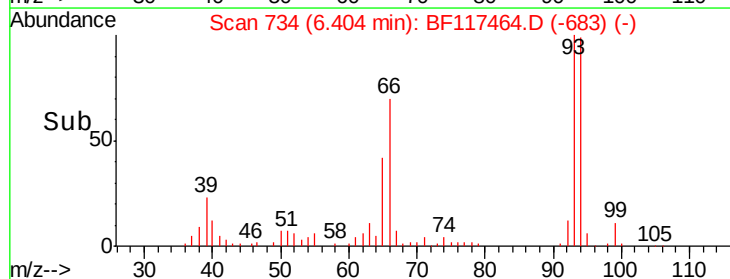
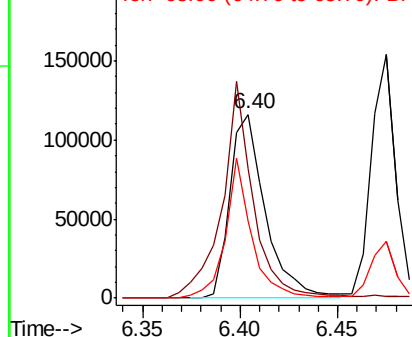
Lab File: BF117464.D

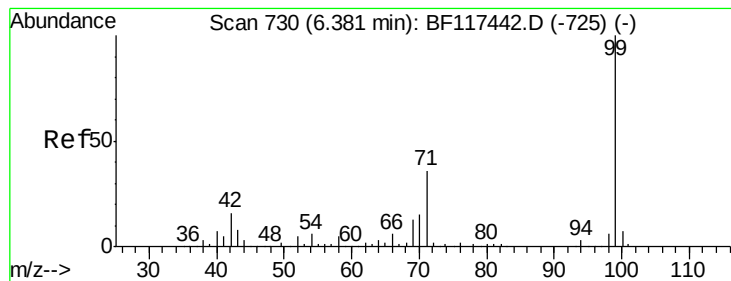
Acq: 21 Oct 2019 22:55

Tgt Ion:	93	Resp:	146505
Ion	Ratio	Lower	Upper
93	100		
66	70.5	38.7	58.1#
65	41.9	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: 92.221 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

Instrument :

BNA_F

ClientSampleId :

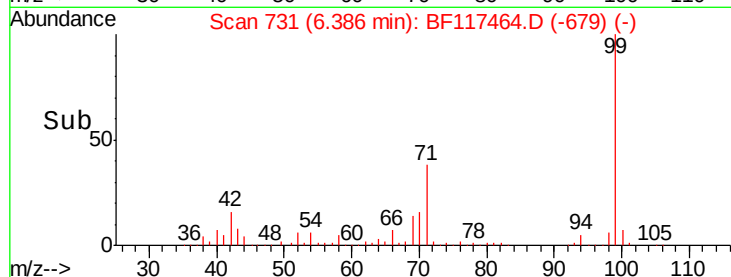
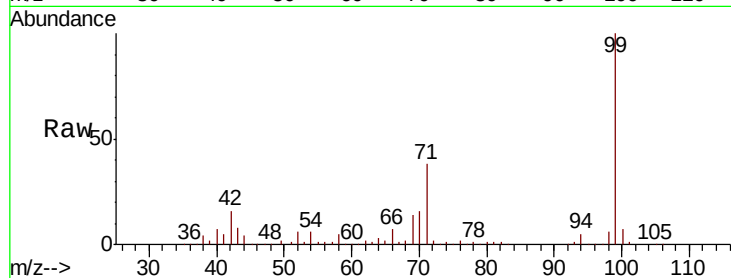
Tot Ion: 99 Resp: 564437

Ion Ratio Lower Upper

99 100

42 16.4 12.8 19.2

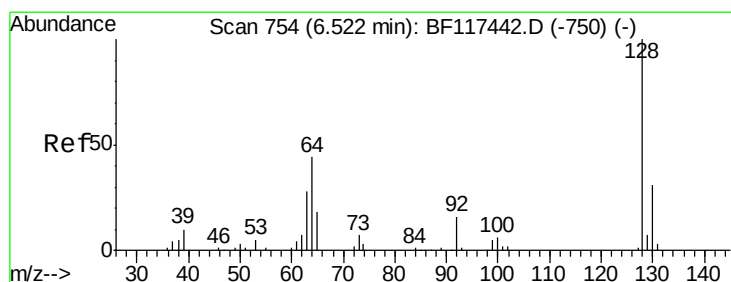
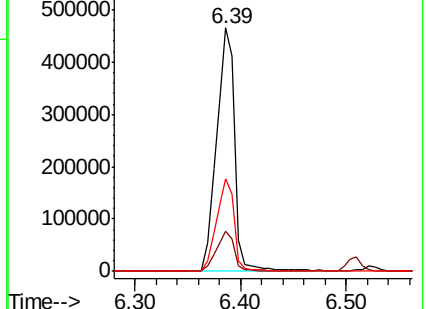
71 38.0 28.6 43.0



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: 29.847 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

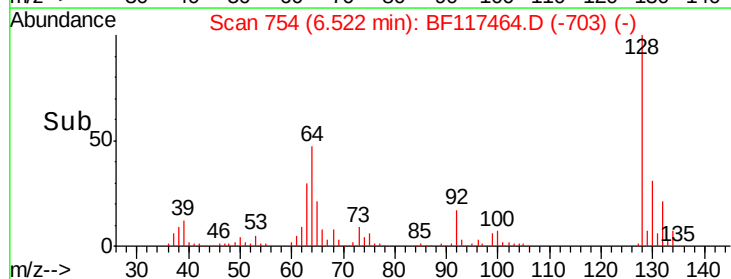
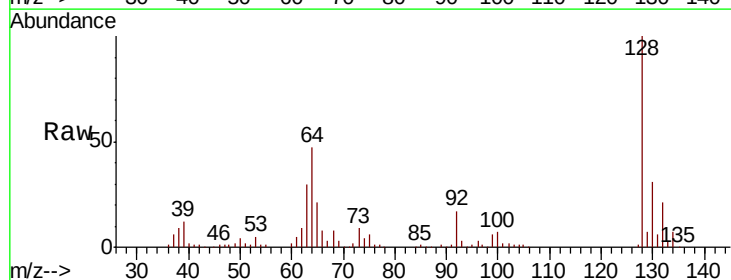
Tgt Ion: 128 Resp: 143519

Ion Ratio Lower Upper

128 100

130 31.0 11.1 51.1

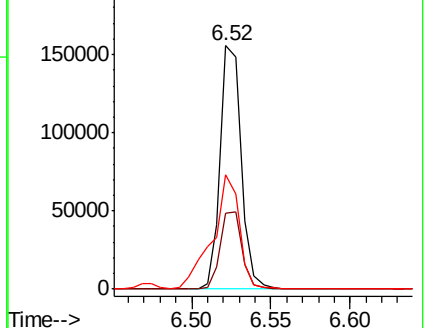
64 47.1 27.1 67.1

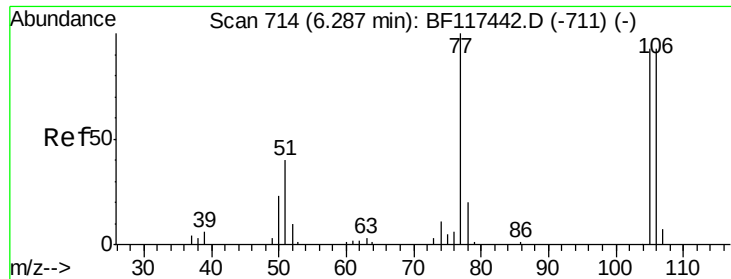


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 25.343 ng

RT: 6.29 min Scan# 714

Delta R.T. 0.00 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

Instrument :

BNA_F

ClientSampled :

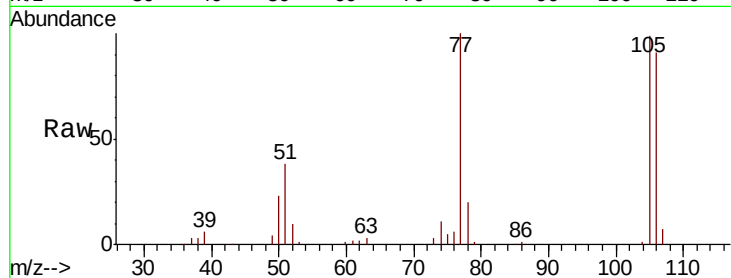
Tot Ion: 77 Resp: 83597

Ion Ratio Lower Upper

77 100

105 98.6 73.4 113.4

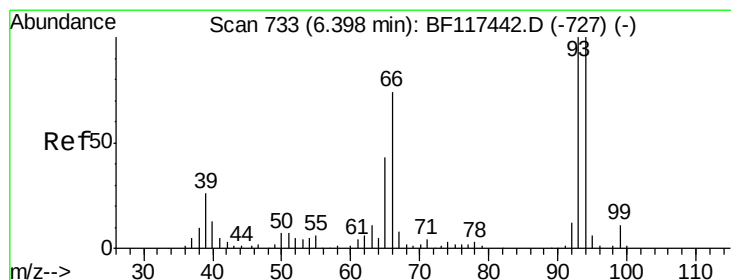
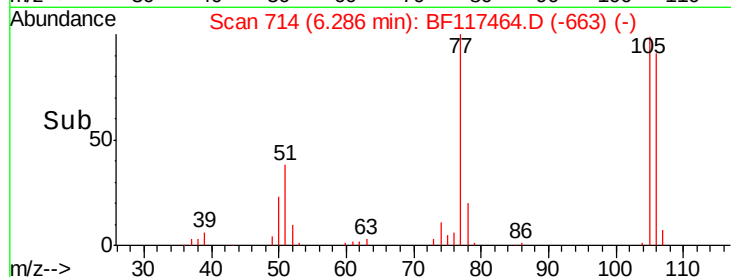
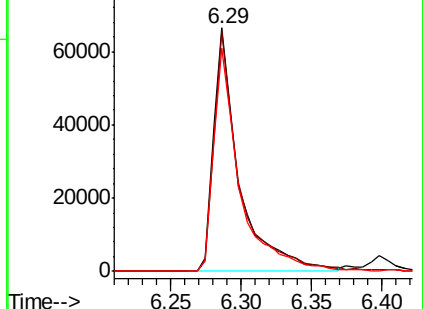
106 91.5 73.0 113.0



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: 29.603 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

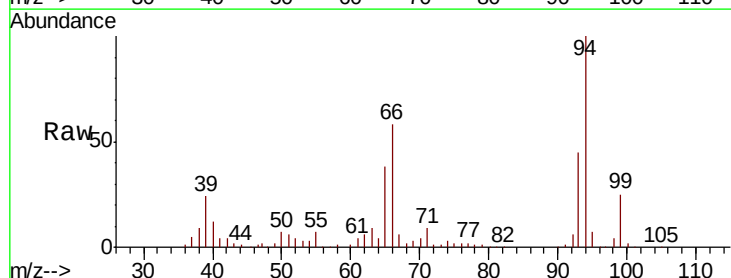
Tgt Ion: 94 Resp: 184924

Ion Ratio Lower Upper

94 100

65 37.6 23.4 63.4

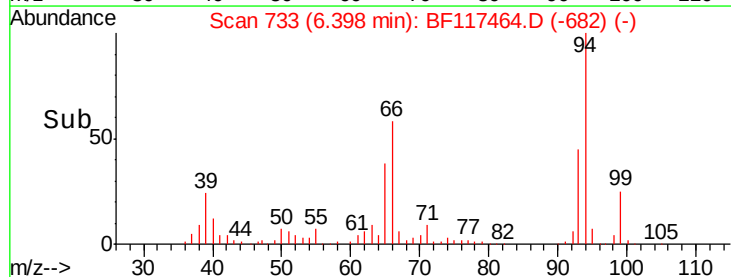
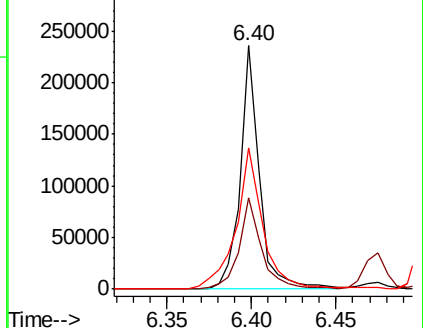
66 58.3 54.7 94.7

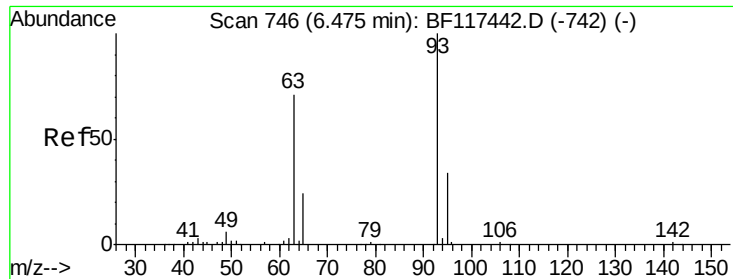


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

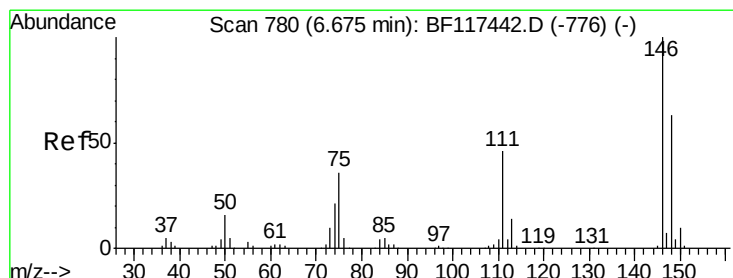
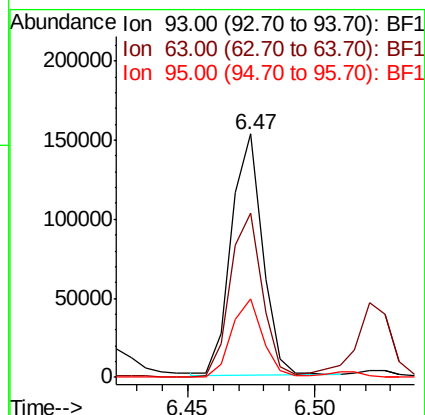
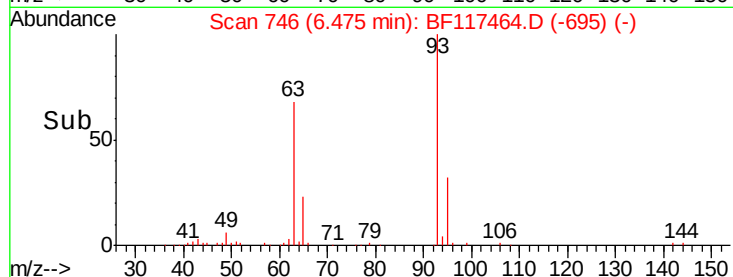
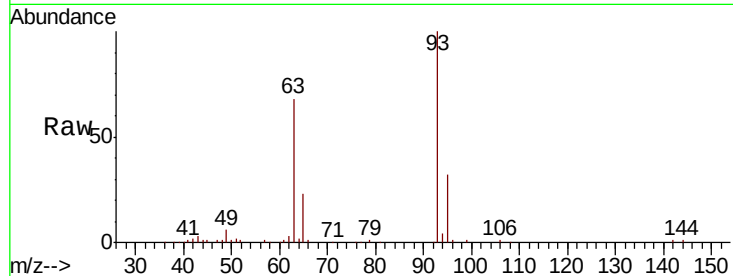




#11
bis(2-Chloroethyl)ether
Concen: 28.336 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

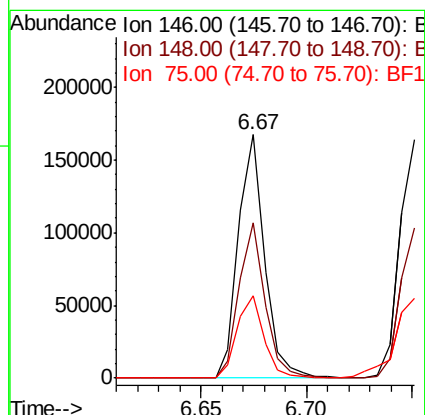
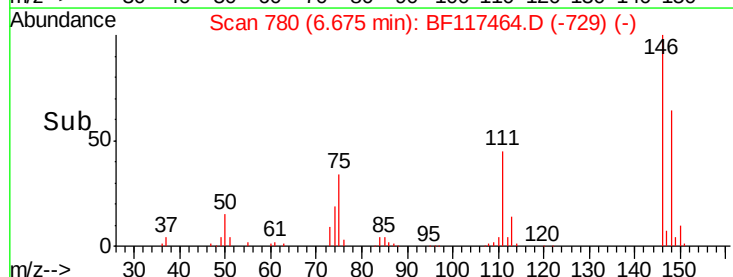
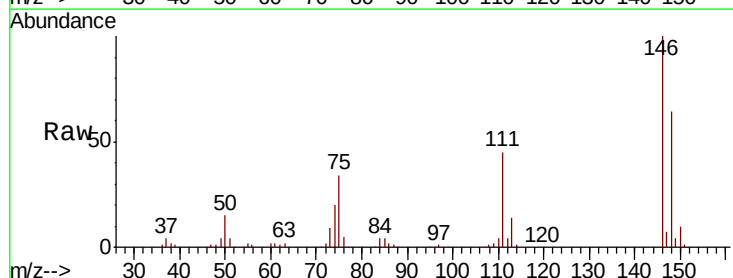
Instrument :
BNA_F
ClientSampleId :

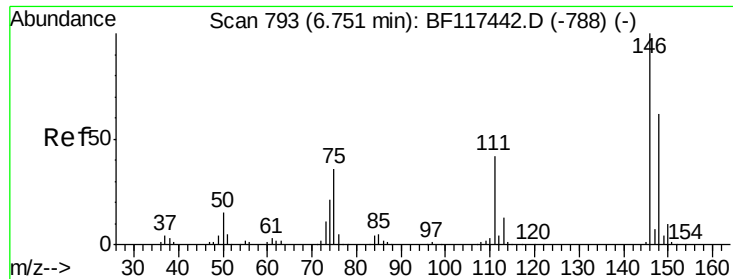
Tot Ion: 93 Resp: 130929
Ion Ratio Lower Upper
93 100
63 67.6 50.2 90.2
95 32.4 13.9 53.9



#12
1,3-Dichlorobenzene
Concen: 26.822 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Tgt Ion: 146 Resp: 143925
Ion Ratio Lower Upper
146 100
148 64.0 50.6 75.8
75 33.9 28.6 43.0

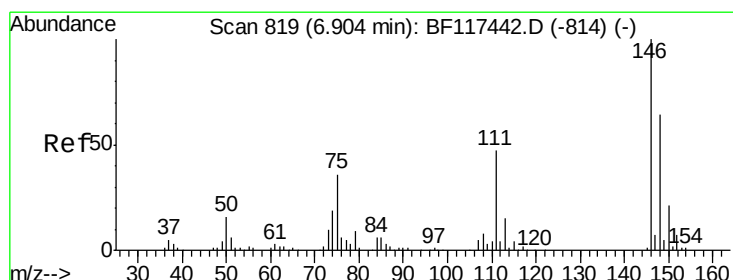
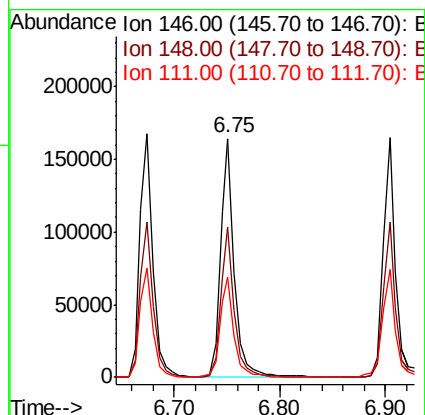
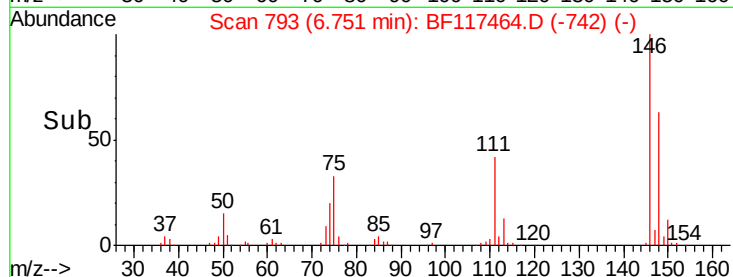
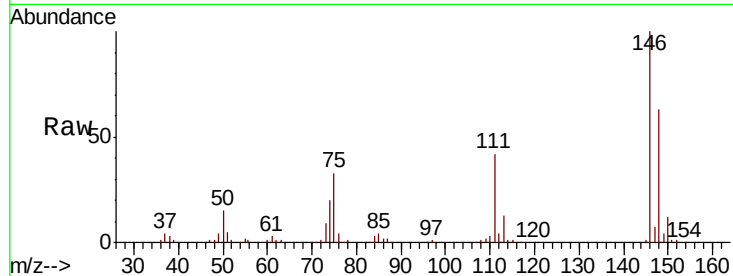




#13
 1,4-Dichlorobenzene
 Concen: 27.803 ng
 RT: 6.75 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: BF117464.D
 Acq: 21 Oct 2019 22:55

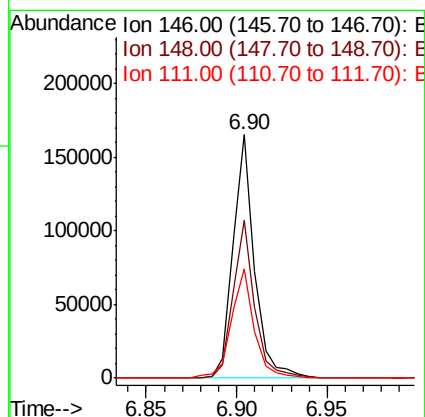
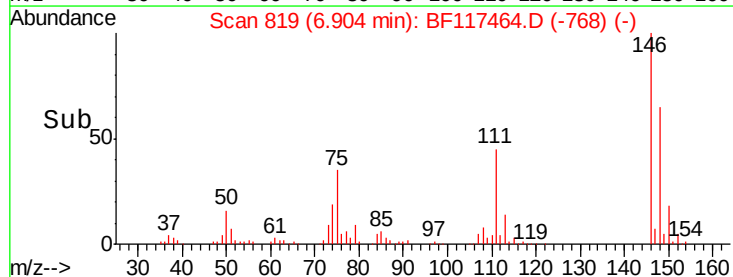
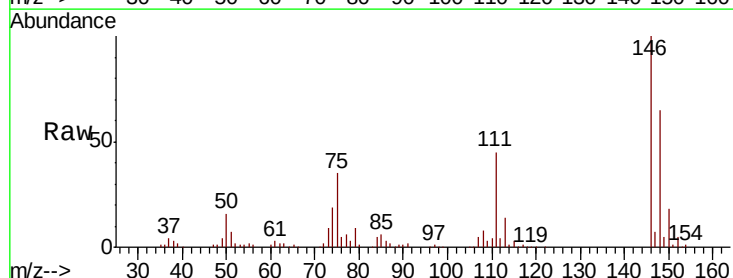
Instrument :
 BNA_F
 ClientSampleId :

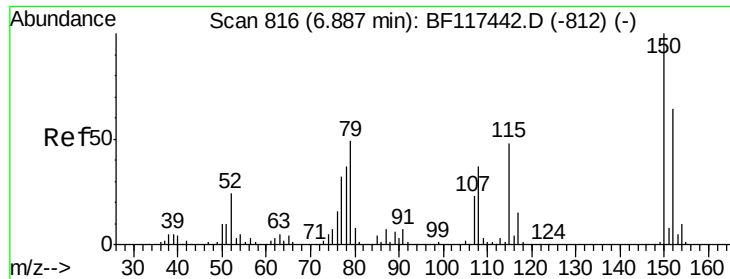
Tot Ion:146 Resp: 151346
 Ion Ratio Lower Upper
 146 100
 148 62.8 49.3 73.9
 111 42.0 33.6 50.4



#14
 1,2-Dichlorobenzene
 Concen: 26.736 ng
 RT: 6.90 min Scan# 819
 Delta R.T. -0.00 min
 Lab File: BF117464.D
 Acq: 21 Oct 2019 22:55

Tgt Ion:146 Resp: 137189
 Ion Ratio Lower Upper
 146 100
 148 64.7 51.4 77.0
 111 45.0 37.7 56.5

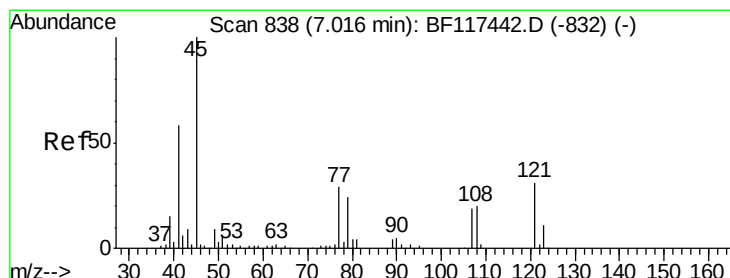
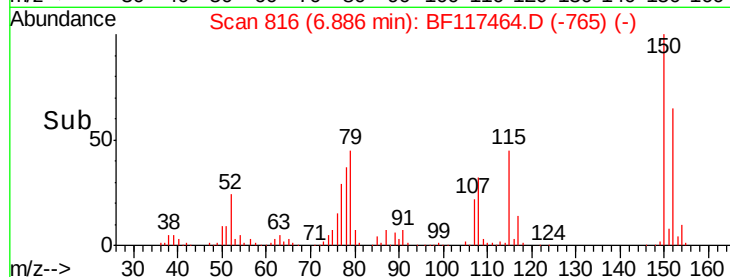
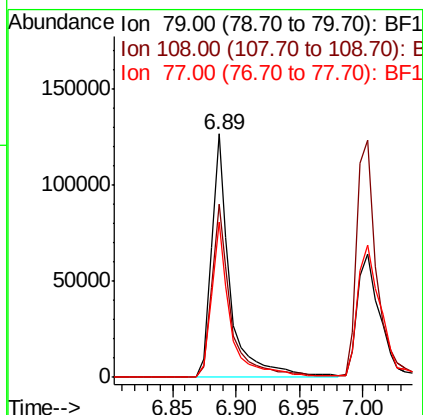
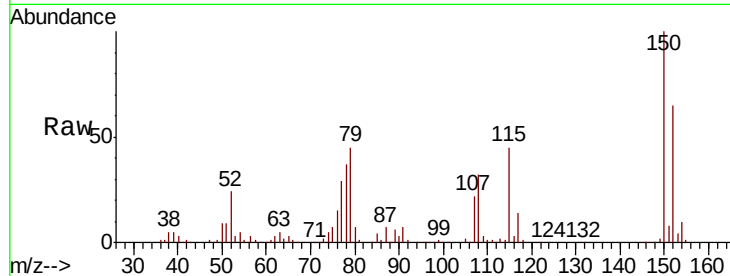




#15
Benzyl Alcohol
Concen: 29.864 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

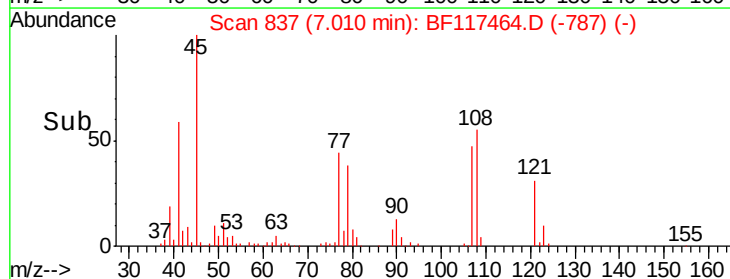
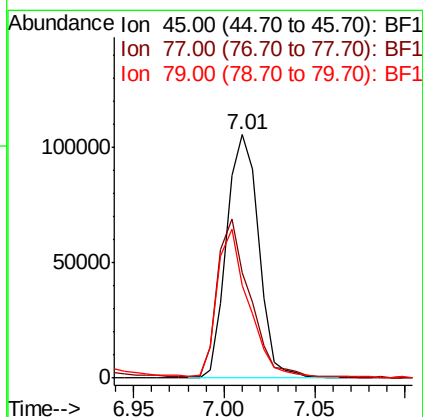
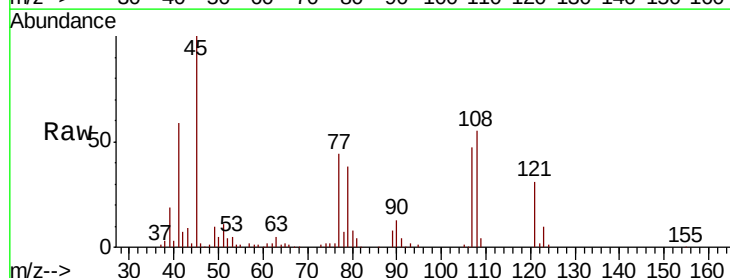
Instrument :
BNA_F
ClientSampleId :

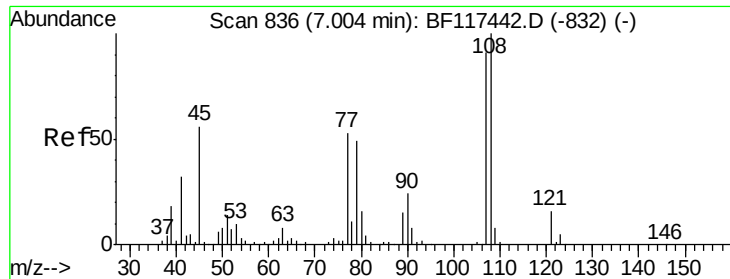
Tot Ion: 79 Resp: 130590
Ion Ratio Lower Upper
79 100
108 71.4 59.8 89.8
77 64.0 51.4 77.0



#16
2,2'-oxybis(1-chloropropane)
Concen: 26.075 ng
RT: 7.01 min Scan# 837
Delta R.T. -0.01 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Tgt Ion: 45 Resp: 129968
Ion Ratio Lower Upper
45 100
77 43.5 9.9 49.9
79 38.1 5.5 45.5





#17

2-Methylphenol

Concen: 30.195 ng

RT: 7.00 min Scan# 836

Delta R.T. -0.00 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 119442

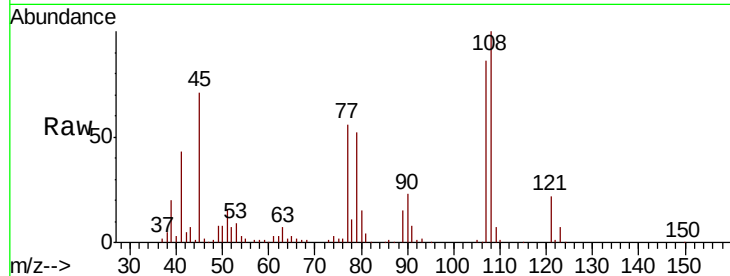
Ion Ratio Lower Upper

107 100

108 116.1 88.0 132.0

77 64.7 47.2 70.8

79 60.3 44.1 66.1

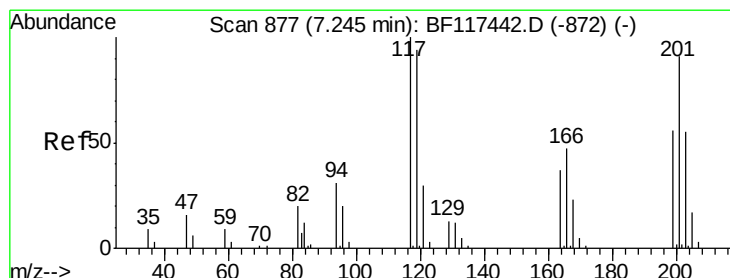
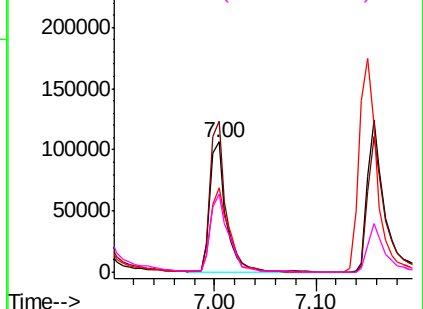
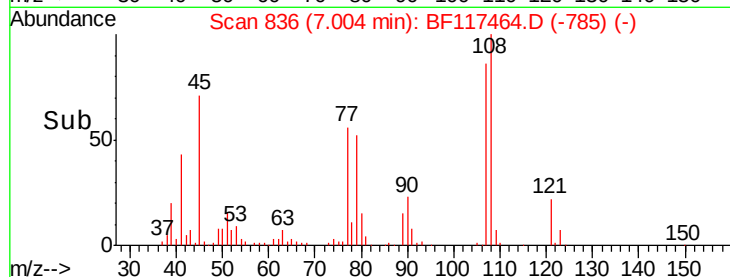


Abundance Ion 107.00 (106.70 to 107.70): E

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: 26.810 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.01 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

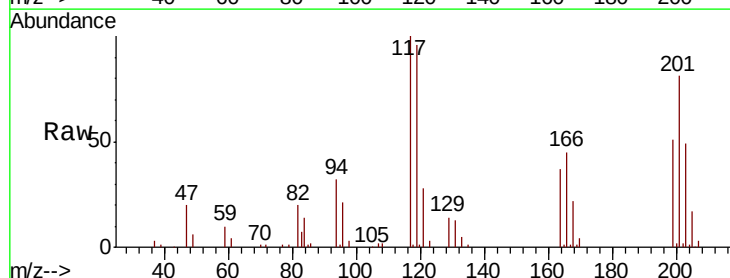
Tgt Ion:117 Resp: 56964

Ion Ratio Lower Upper

117 100

119 95.7 75.4 113.0

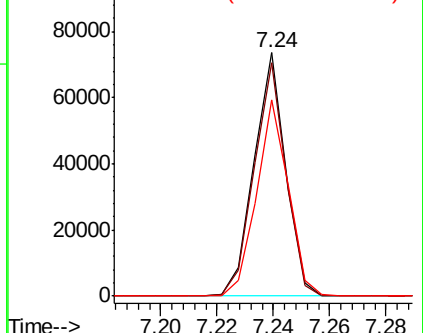
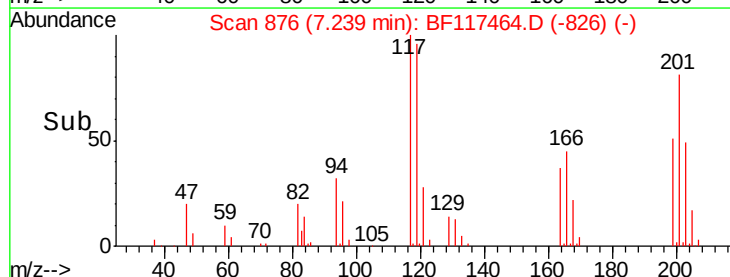
201 80.9 72.5 108.7

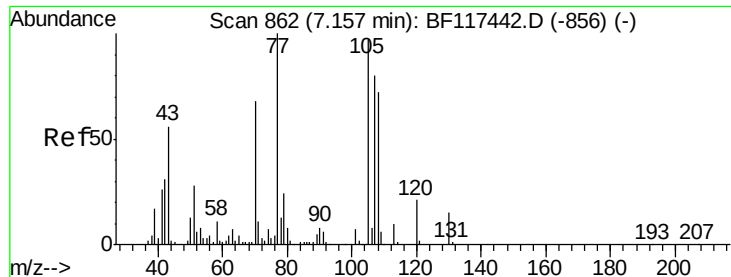


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

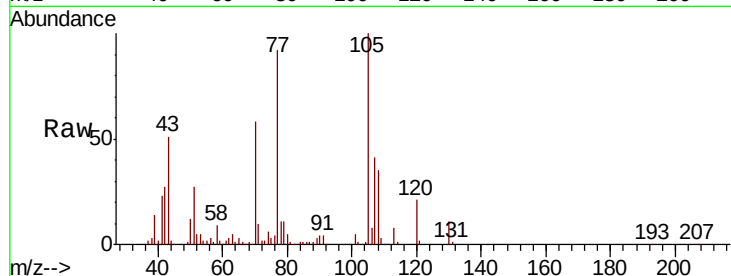




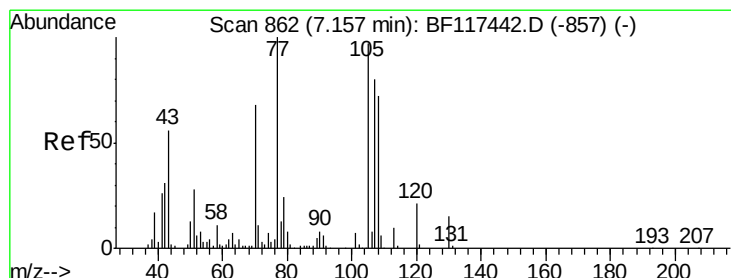
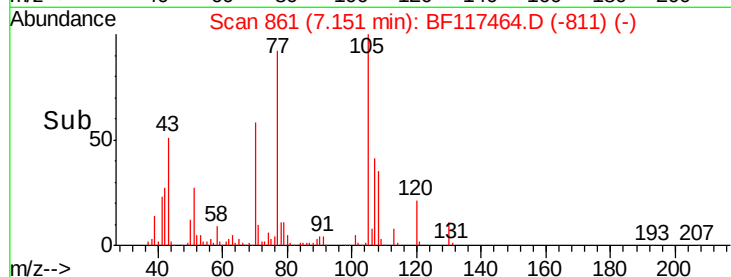
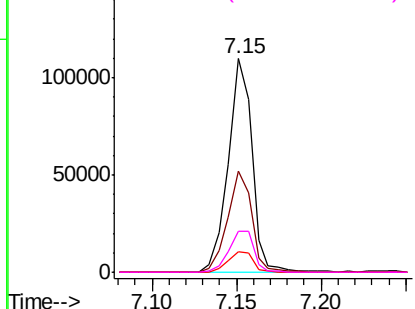
#19
n-Nitroso-di-n-propylamine
Concen: 28.691 ng
RT: 7.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 107245
Ion Ratio Lower Upper
70 100
42 47.2 36.7 55.1
101 9.5 8.3 12.5
130 19.1 18.1 27.1



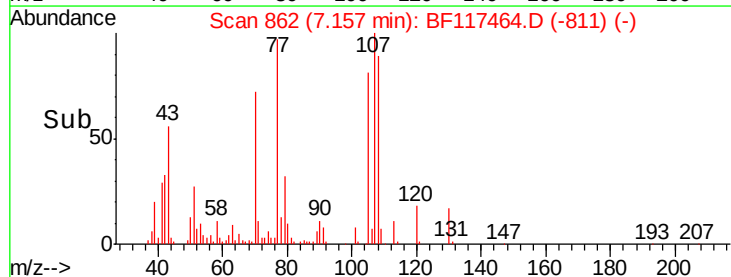
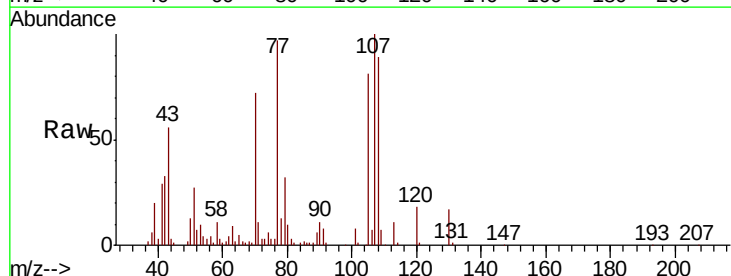
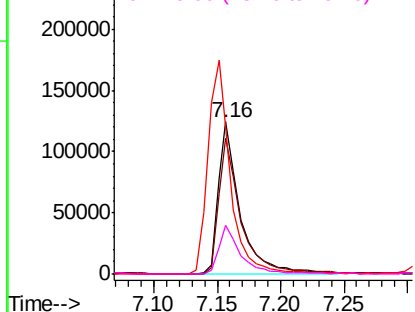
Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

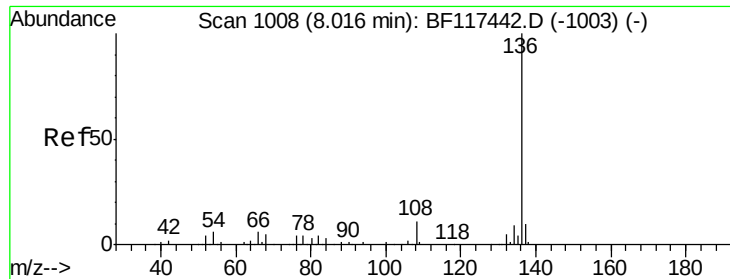


#20
3+4-Methylphenols
Concen: 29.018 ng
RT: 7.16 min Scan# 862
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Tgt Ion:107 Resp: 150499
Ion Ratio Lower Upper
107 100
108 89.0 70.3 110.3
77 96.9 104.8 144.8#
79 31.7 10.0 50.0

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

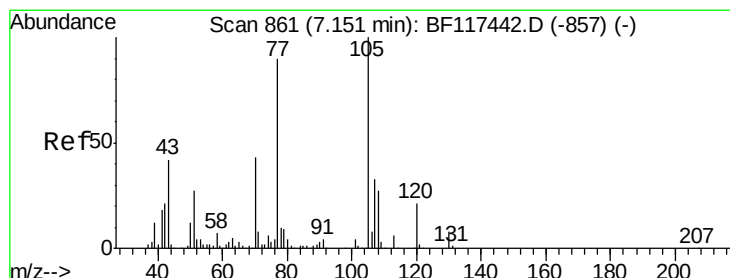
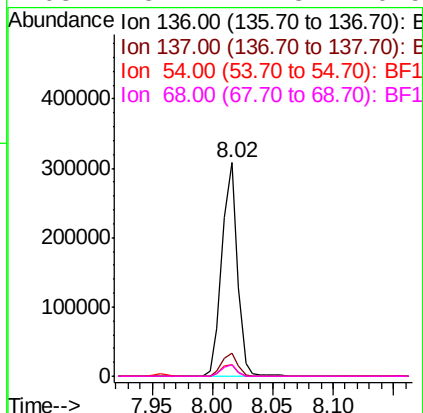
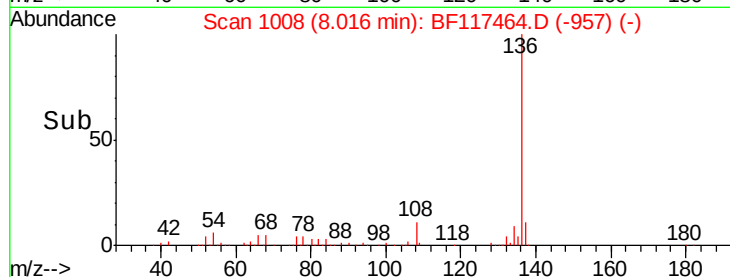
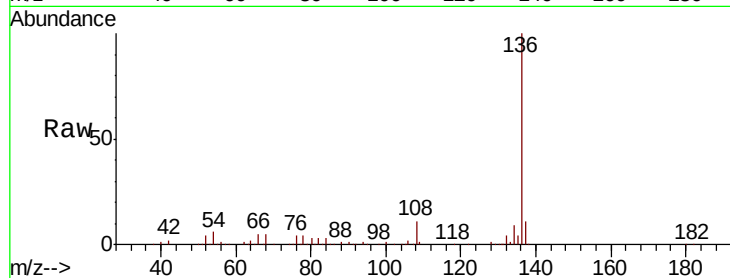




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

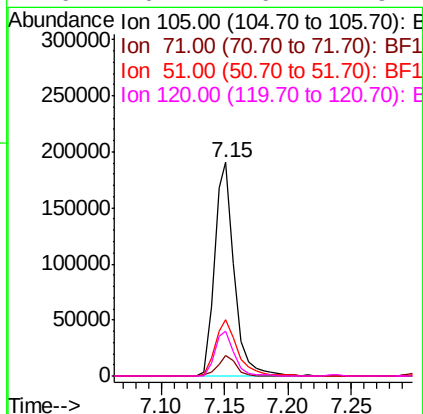
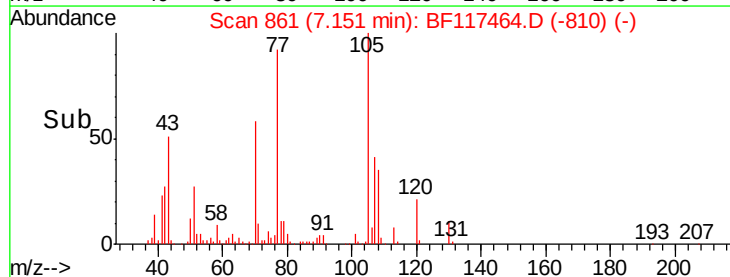
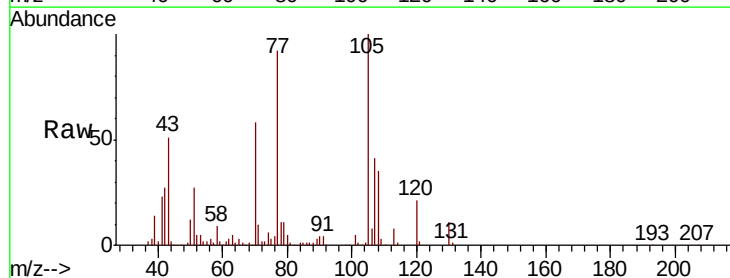
Instrument :
BNA_F
ClientSampleId :

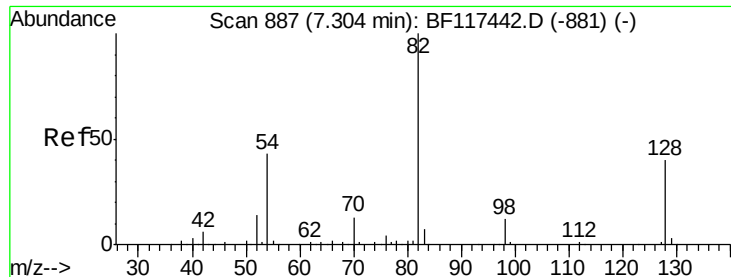
Tot Ion:136	Resp:	272860
Ion Ratio	Lower	Upper
136 100		
137 10.7	8.2	12.4
54 5.5	4.5	6.7
68 5.1	4.3	6.5



#22
Acetophenone
Concen: 28.726 ng
RT: 7.15 min Scan# 861
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Tgt	Ion:105	Resp:	208130
Ion	Ratio	Lower	Upper
105	100		
71	9.8	6.2	9.2#
51	26.6	21.8	32.6
120	20.7	16.7	25.1

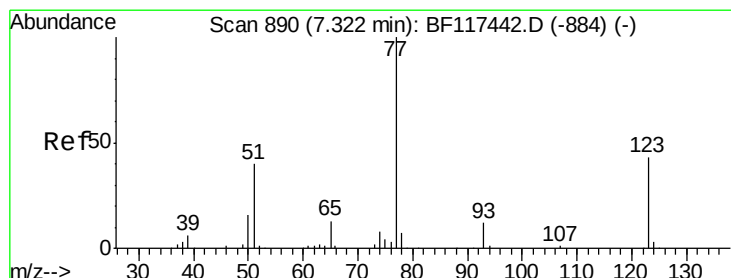
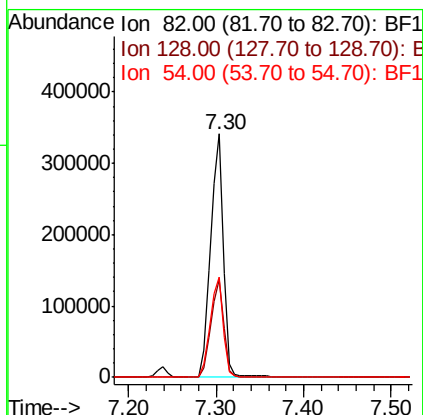
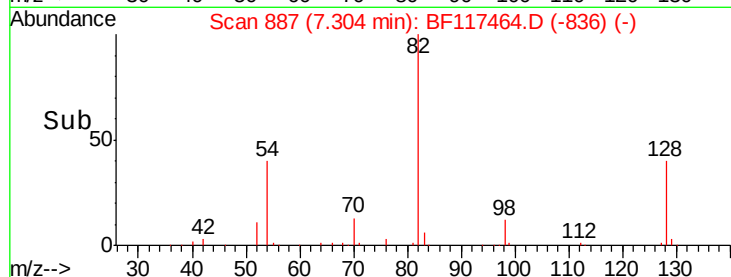
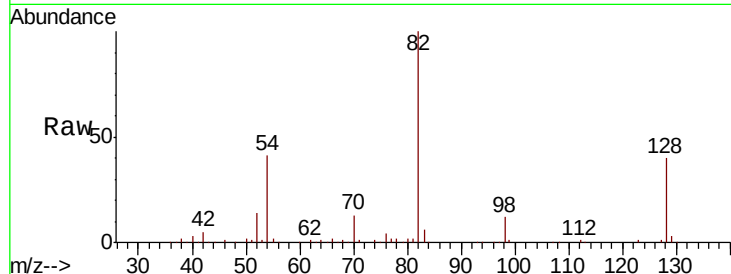




#23
Nitrobenzene-d5
Concen: 63.543 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

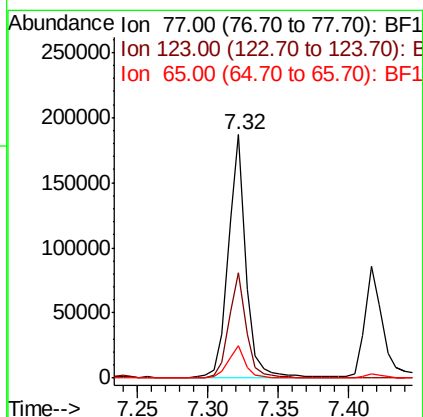
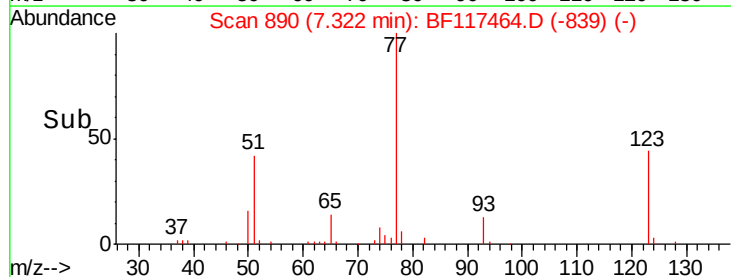
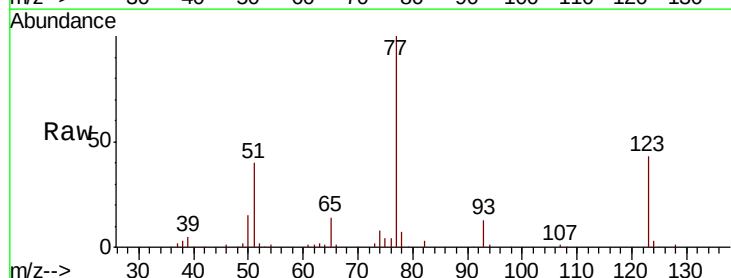
Instrument :
BNA_F
ClientSampleId :

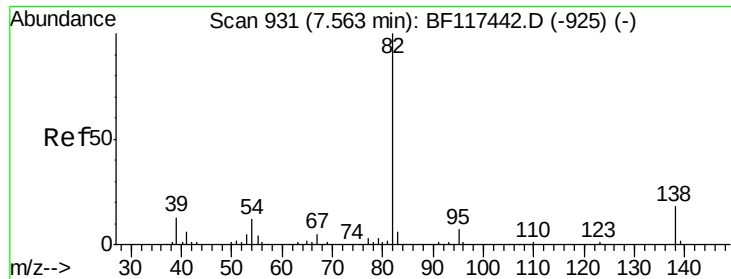
Tot Ion: 82 Resp: 351205
Ion Ratio Lower Upper
82 100
128 40.0 32.2 48.2
54 41.0 34.2 51.2



#24
Nitrobenzene
Concen: 30.300 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Tgt Ion: 77 Resp: 160403
Ion Ratio Lower Upper
77 100
123 43.5 34.2 51.2
65 13.5 10.3 15.5





#25

Isophorone

Concen: 30.701 ng

RT: 7.56 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

Instrument :

BNA_F

ClientSampleId :

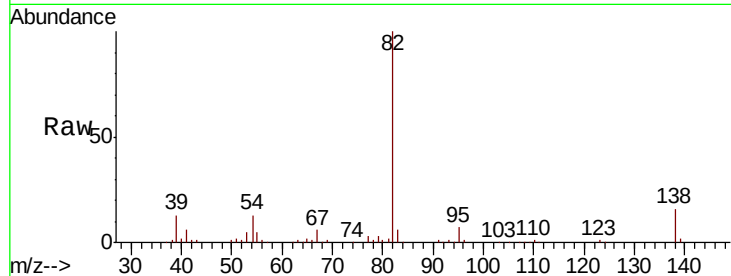
Tot Ion: 82 Resp: 293547

Ion Ratio Lower Upper

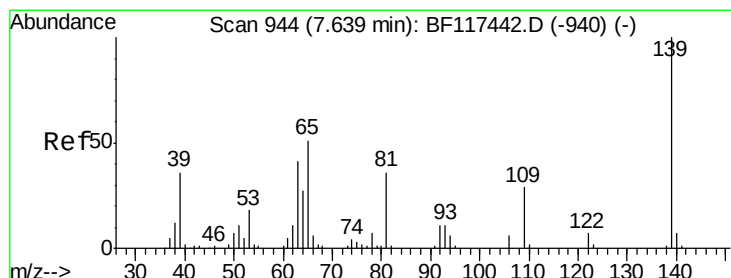
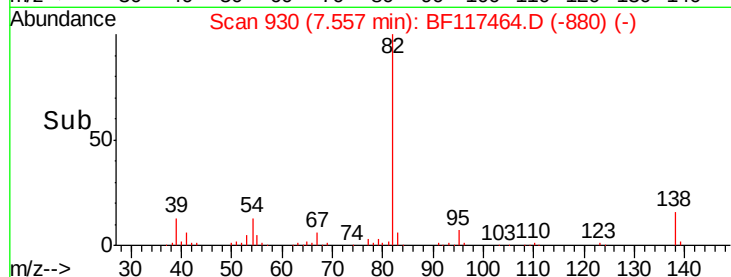
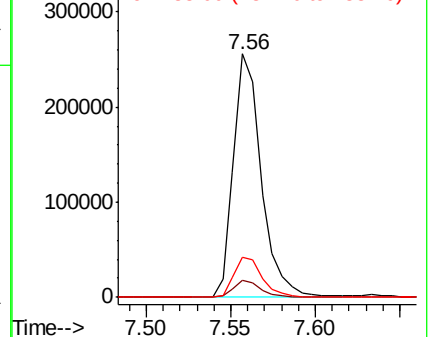
82 100

95 6.8 5.4 8.0

138 16.2 14.2 21.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 30.394 ng

RT: 7.64 min Scan# 944

Delta R.T. -0.00 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

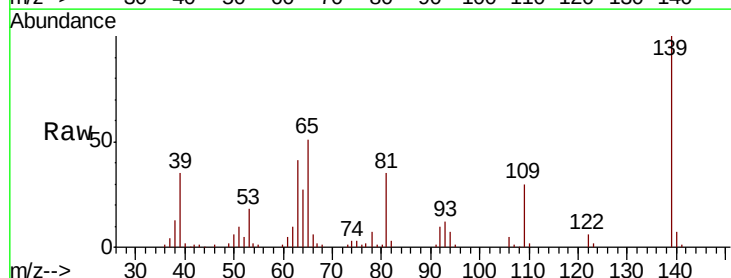
Tgt Ion: 139 Resp: 71762

Ion Ratio Lower Upper

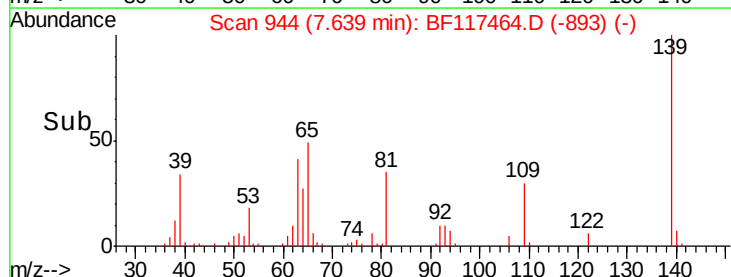
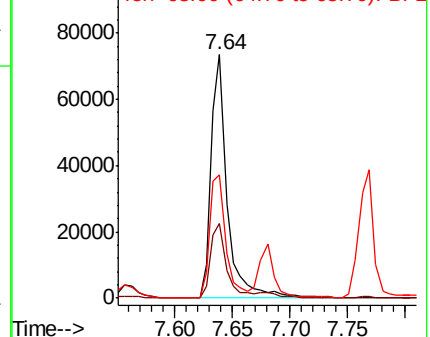
139 100

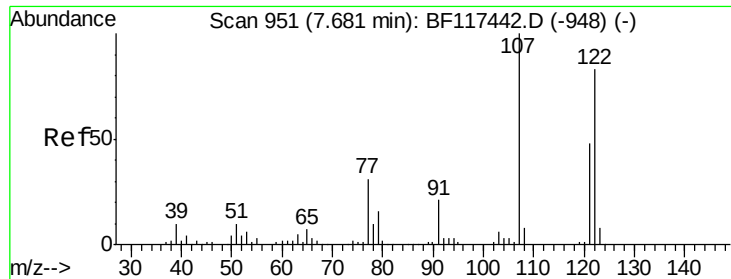
109 30.4 23.2 34.8

65 50.5 41.1 61.7



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1

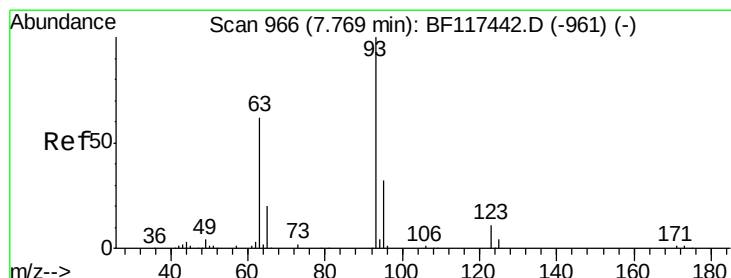
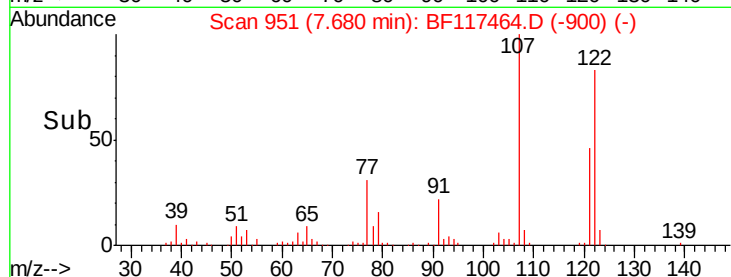
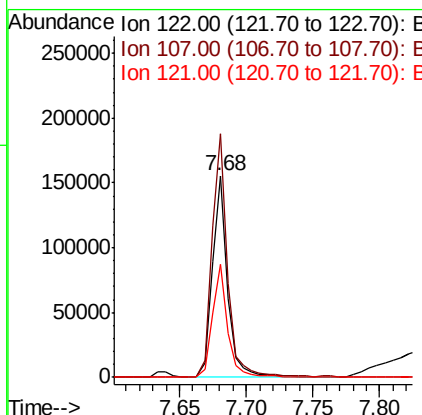
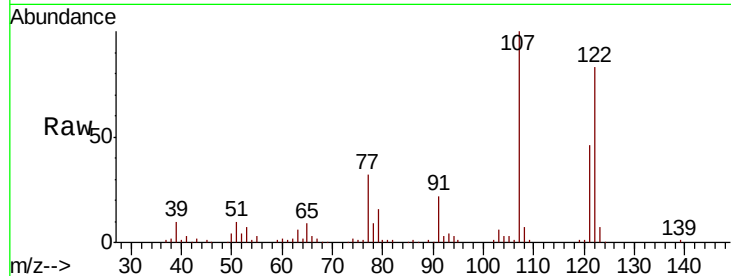




#27
 2,4-Dimethylphenol
 Concen: 34.681 ng
 RT: 7.68 min Scan# 951
 Delta R.T. -0.00 min
 Lab File: BF117464.D
 Acq: 21 Oct 2019 22:55

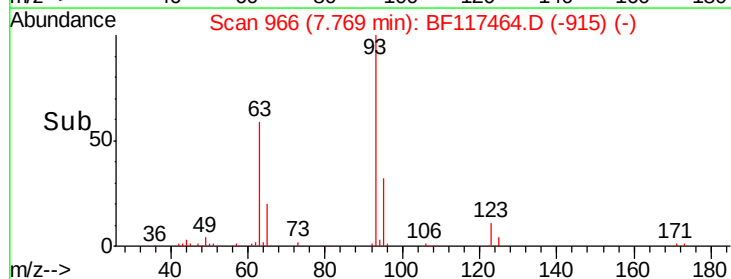
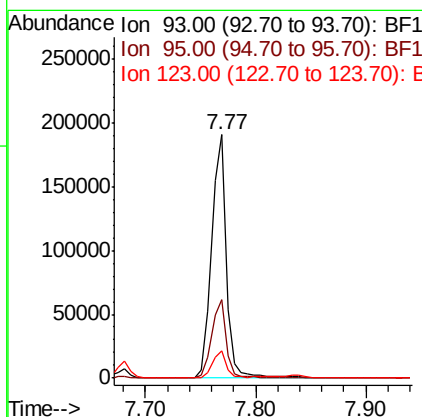
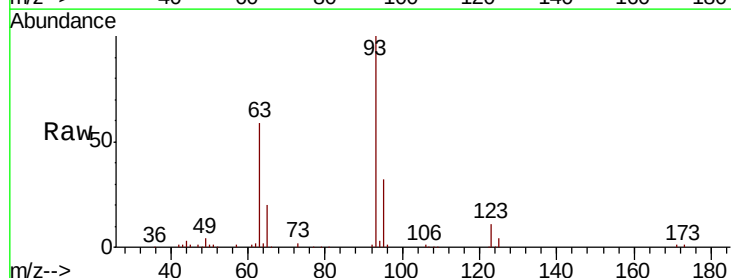
Instrument :
 BNA_F
 ClientSampled :

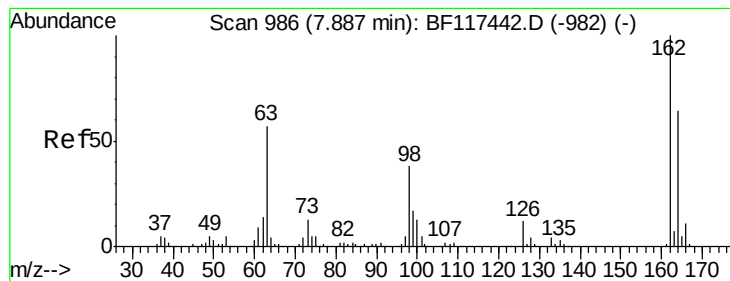
Tot Ion:122 Resp: 122374
 Ion Ratio Lower Upper
 122 100
 107 120.9 96.8 145.2
 121 55.9 46.4 69.6



#28
 bis(2-Chloroethoxy)methane
 Concen: 29.201 ng
 RT: 7.77 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: BF117464.D
 Acq: 21 Oct 2019 22:55

Tgt Ion: 93 Resp: 172282
 Ion Ratio Lower Upper
 93 100
 95 32.2 25.5 38.3
 123 11.1 9.0 13.6





#29

2,4-Dichlorophenol

Concen: 30.899 ng

RT: 7.89 min Scan# 986

Delta R.T. -0.00 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

Instrument :

BNA_F

ClientSampled :

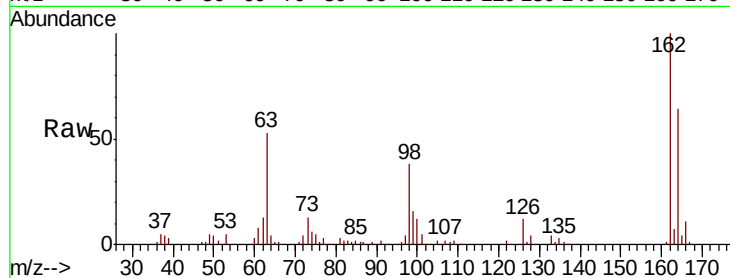
Tot Ion:162 Resp: 114357

Ion Ratio Lower Upper

162 100

164 63.5 44.4 84.4

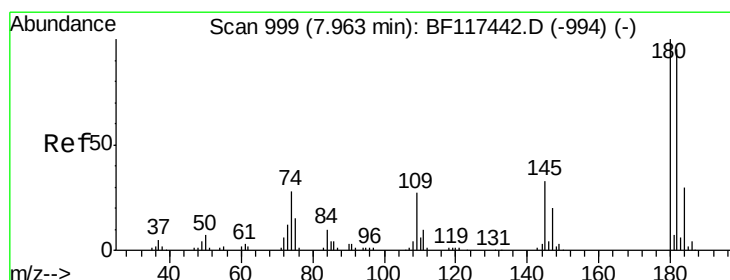
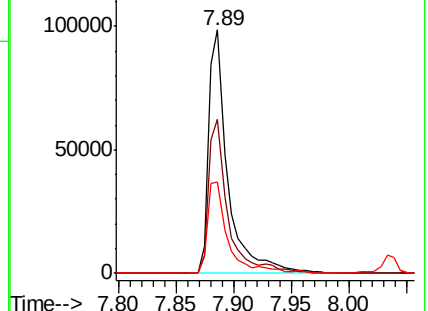
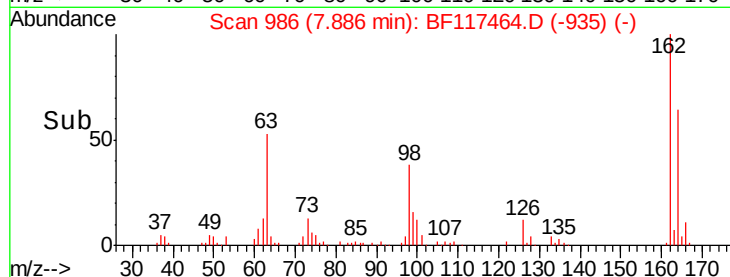
98 37.7 18.2 58.2



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: 28.567 ng

RT: 7.96 min Scan# 998

Delta R.T. -0.01 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

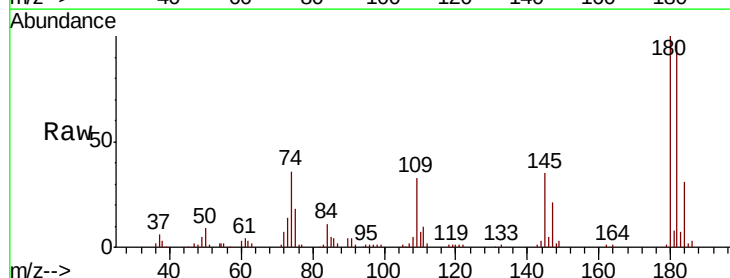
Tgt Ion:180 Resp: 113458

Ion Ratio Lower Upper

180 100

182 96.9 75.8 113.8

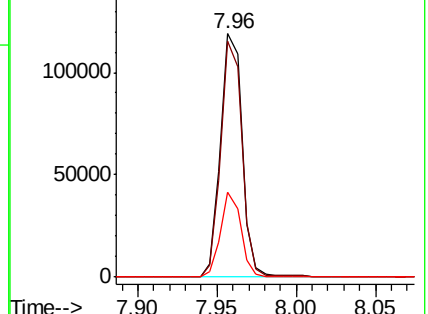
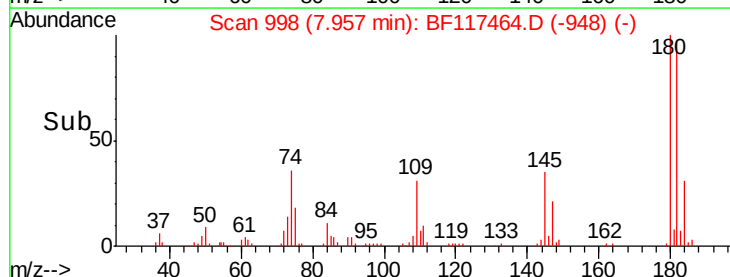
145 35.0 26.5 39.7

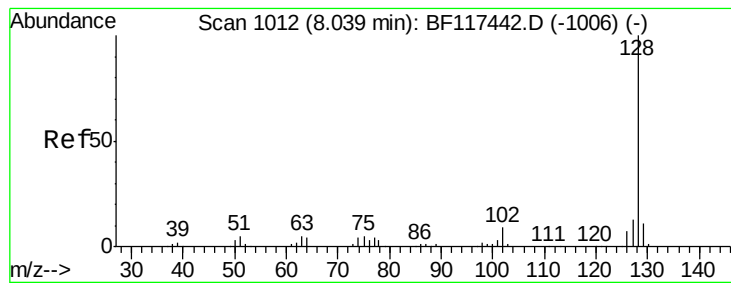


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 29.934 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.00 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

Instrument :

BNA_F

ClientSampleId :

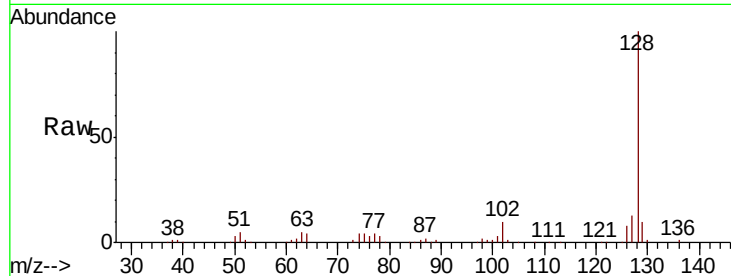
Tot Ion:128 Resp: 404850

Ion Ratio Lower Upper

128 100

129 10.5 9.0 13.4

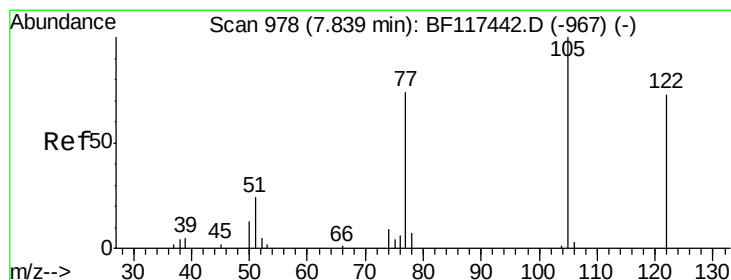
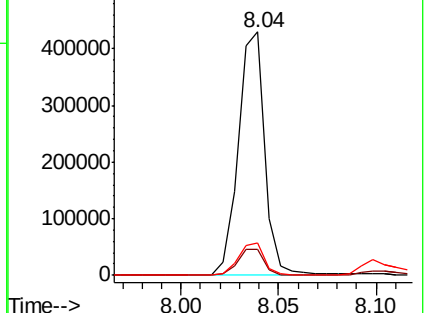
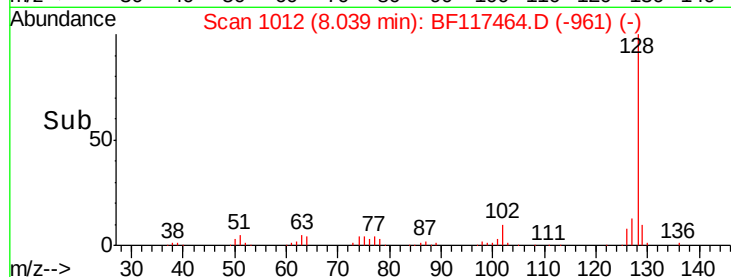
127 13.2 10.2 15.2



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: 27.807 ng

RT: 7.84 min Scan# 978

Delta R.T. -0.00 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

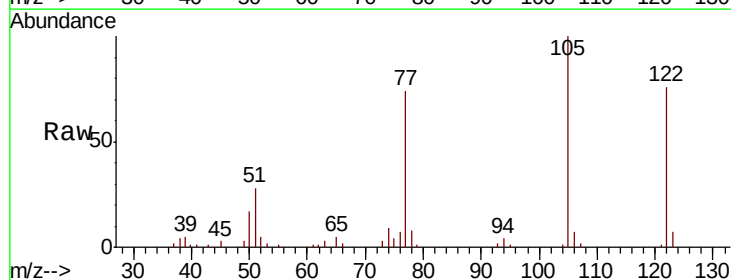
Tgt Ion:122 Resp: 67205

Ion Ratio Lower Upper

122 100

105 131.7 115.0 155.0

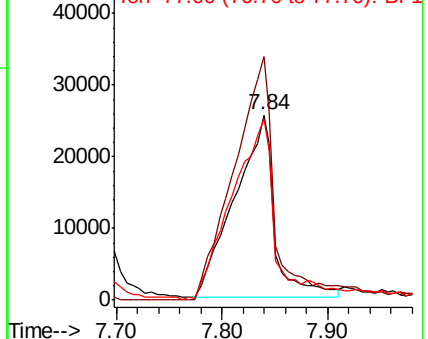
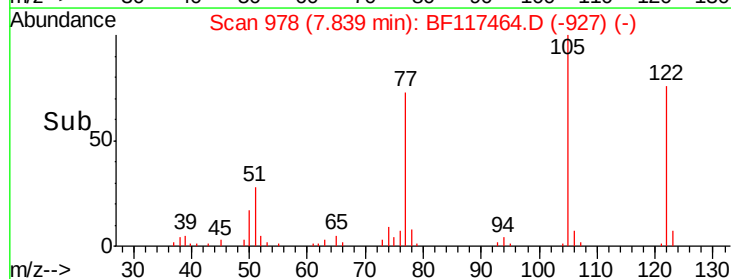
77 97.9 79.7 119.7

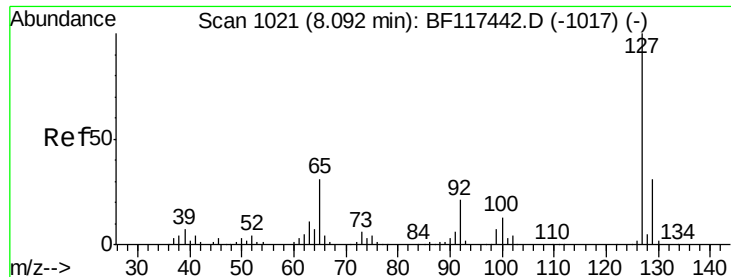


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

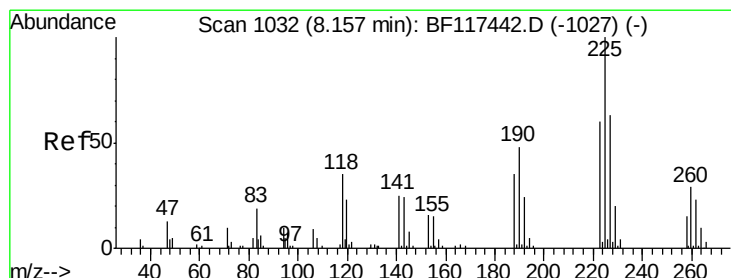
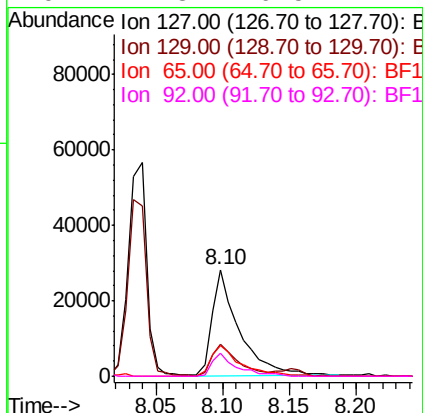
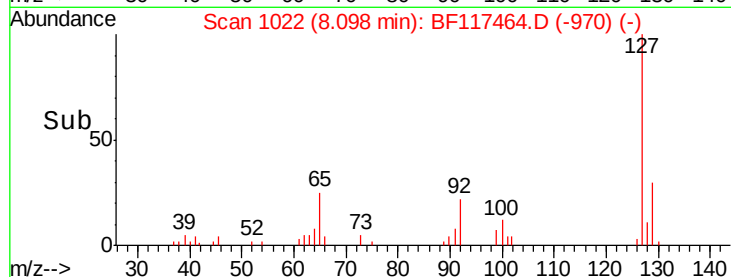
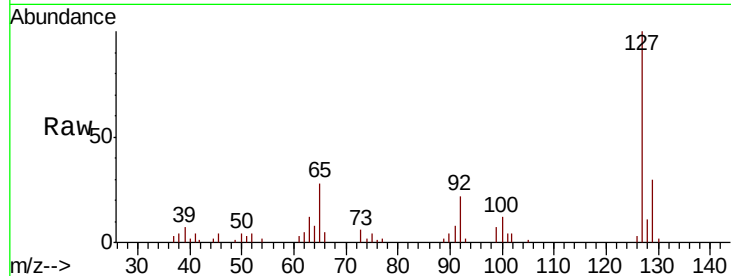




#33
4-Chloroaniline
Concen: 6.928 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.01 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

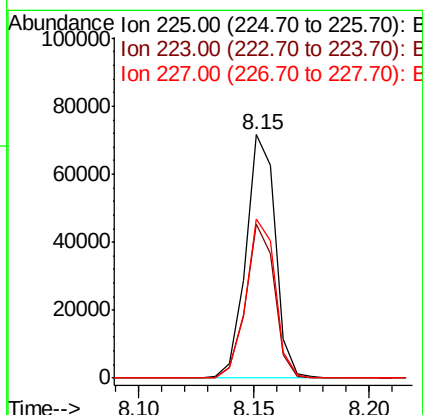
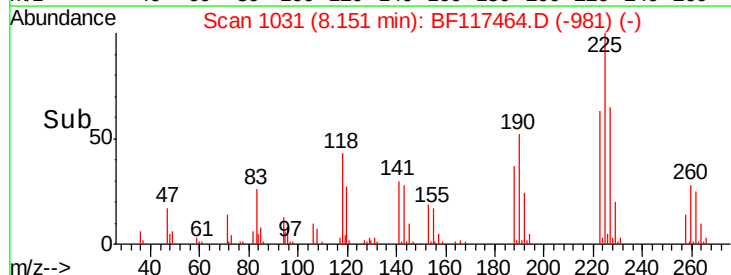
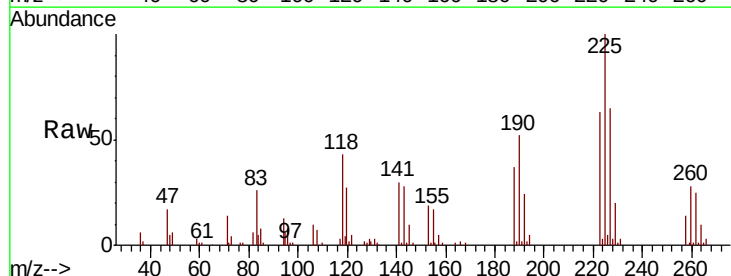
Instrument :
BNA_F
ClientSampled :

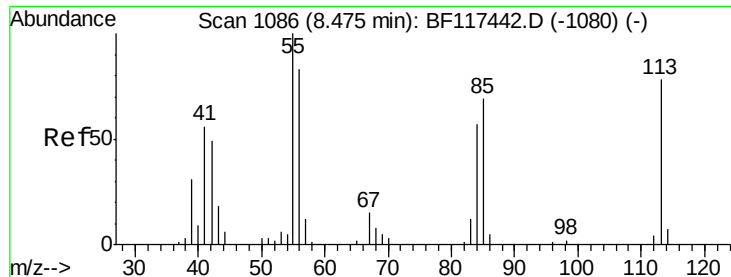
Tot Ion:	127	Resp:	39545
Ion	Ratio	Lower	Upper
127	100		
129	29.8	24.8	37.2
65	28.3	24.6	37.0
92	21.8	16.5	24.7



#34
Hexachlorobutadiene
Concen: 27.767 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Tgt Ion:	225	Resp:	63832
Ion	Ratio	Lower	Upper
225	100		
223	63.3	48.2	72.4
227	65.3	50.2	75.4

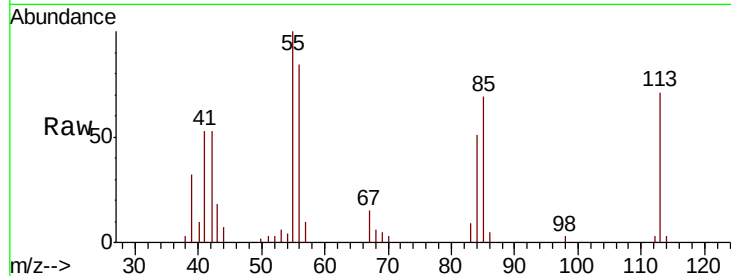




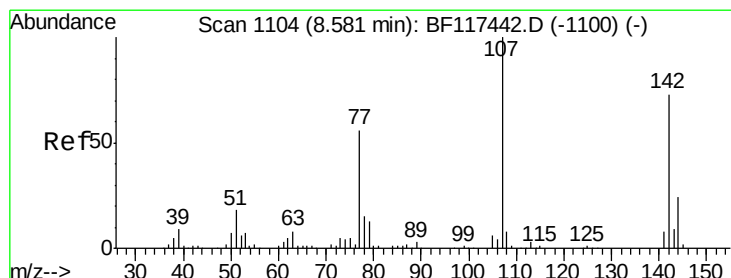
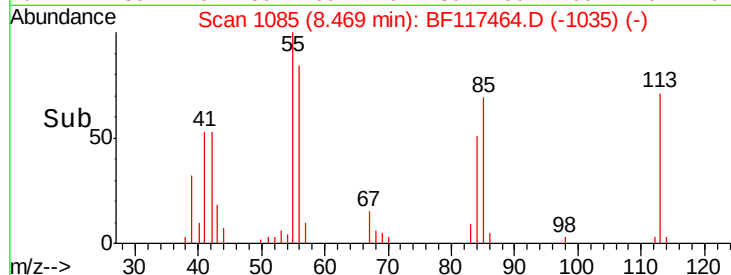
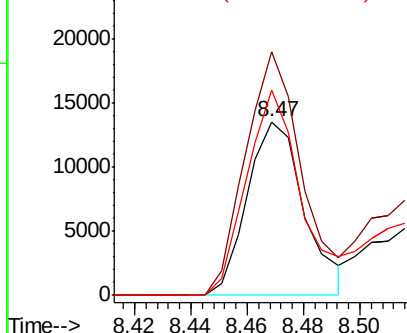
#35
 Caprolactam
 Concen: 15.957 ng
 RT: 8.47 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: BF117464.D
 Acq: 21 Oct 2019 22:55

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:113 Resp: 18971
 Ion Ratio Lower Upper
 113 100
 55 140.2 108.8 148.8
 56 118.4 87.2 127.2

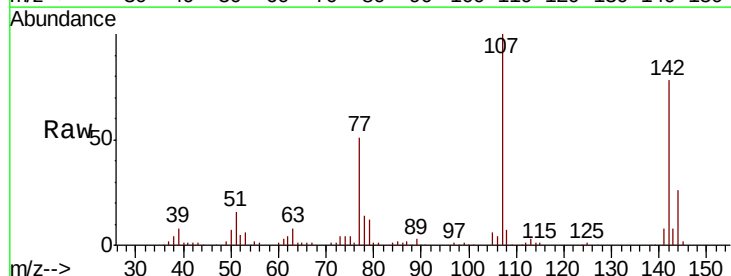


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

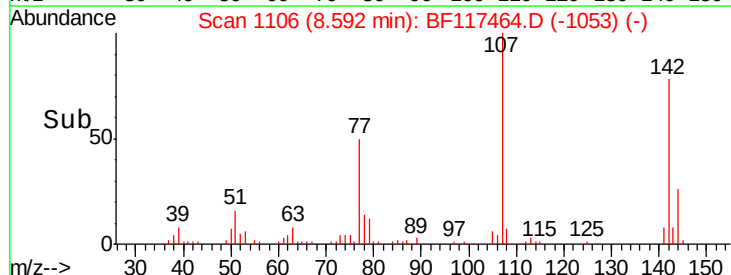
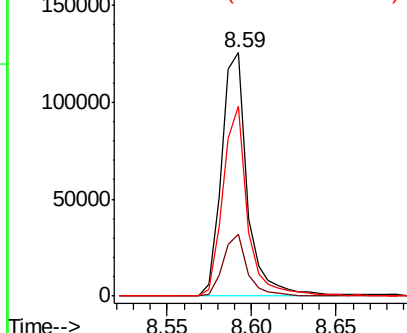


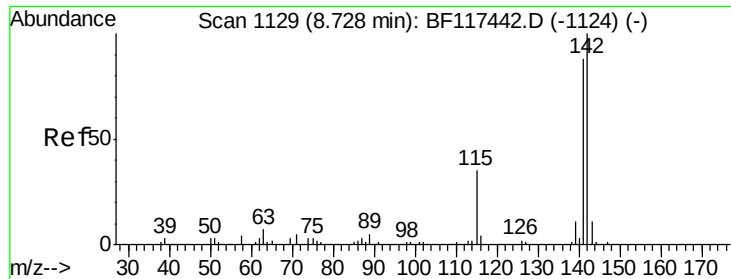
#36
 4-Chloro-3-methylphenol
 Concen: 31.829 ng
 RT: 8.59 min Scan# 1106
 Delta R.T. 0.01 min
 Lab File: BF117464.D
 Acq: 21 Oct 2019 22:55

Tgt Ion:107 Resp: 134348
 Ion Ratio Lower Upper
 107 100
 144 25.5 18.9 28.3
 142 78.0 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

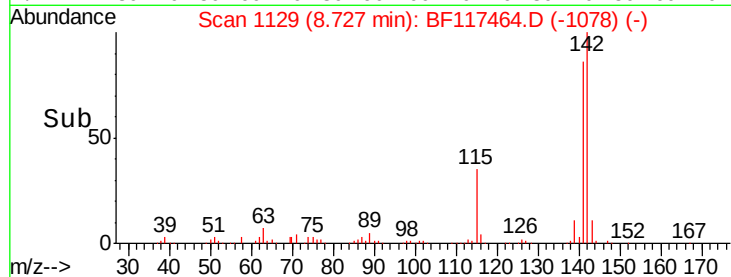
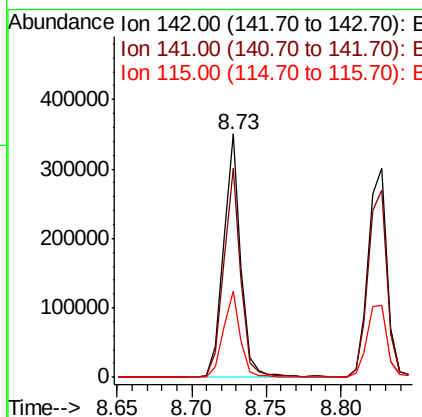
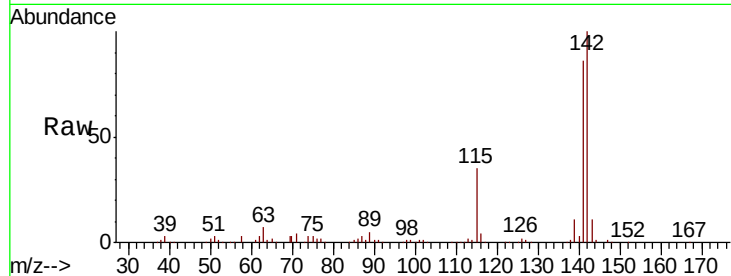




#37
2-Methylnaphthalene
Concen: 31.459 ng
RT: 8.73 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

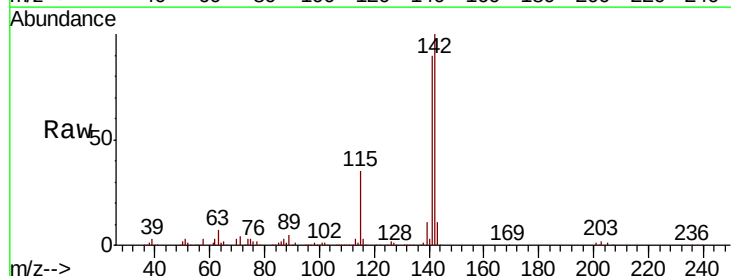
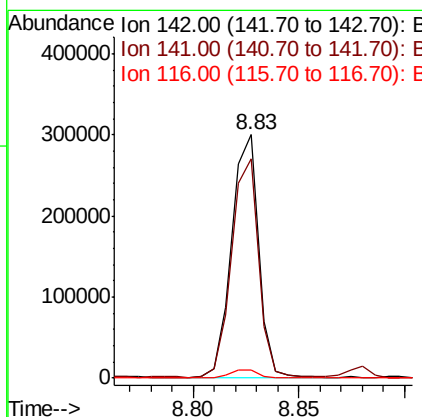
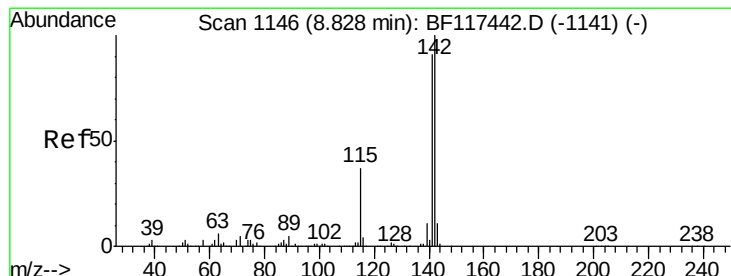
Instrument :
BNA_F
ClientSampleId :

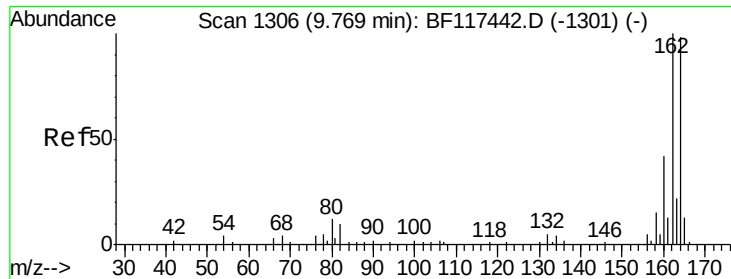
Tot Ion	Ratio	Lower	Upper
142	100		
141	86.0	70.3	105.5
115	35.2	28.2	42.2



#38
1-Methylnaphthalene
Concen: 30.658 ng
RT: 8.83 min Scan# 1146
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.9	73.3	109.9
116	3.4	3.1	4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

Instrument :

BNA_F

ClientSampleId :

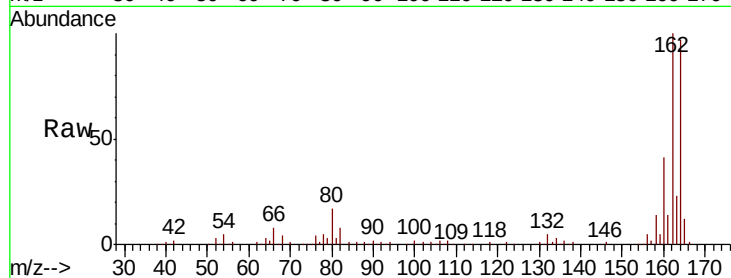
Tot Ion:164 Resp: 145305

Ion Ratio Lower Upper

164 100

162 103.5 81.8 122.6

160 42.3 34.4 51.6

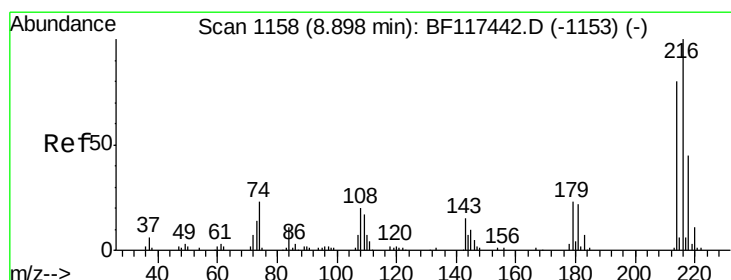
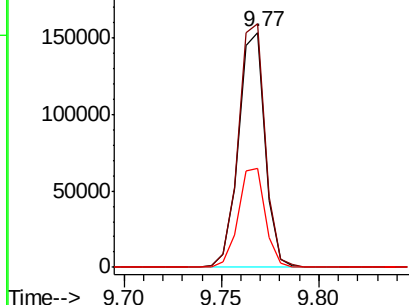
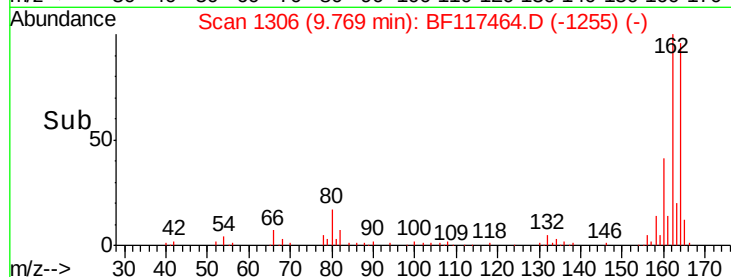


Abundance

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: 27.116 ng

RT: 8.90 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

Tgt Ion:216 Resp: 106122

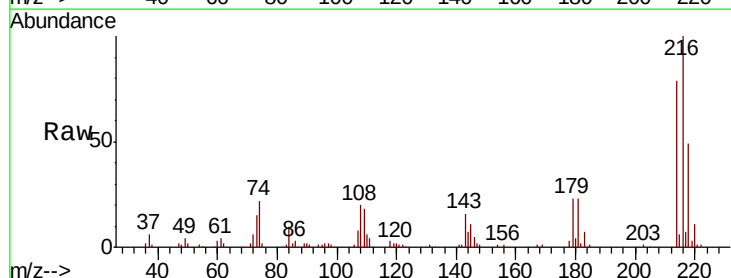
Ion Ratio Lower Upper

216 100

214 79.9 62.4 93.6

179 22.8 18.1 27.1

108 23.6 16.6 24.8



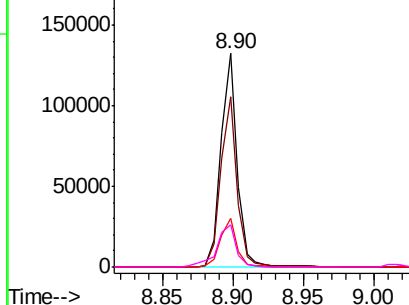
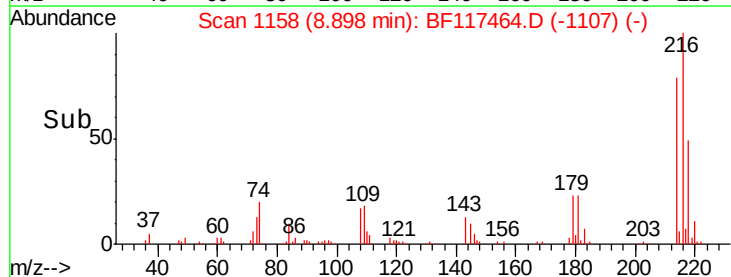
Abundance

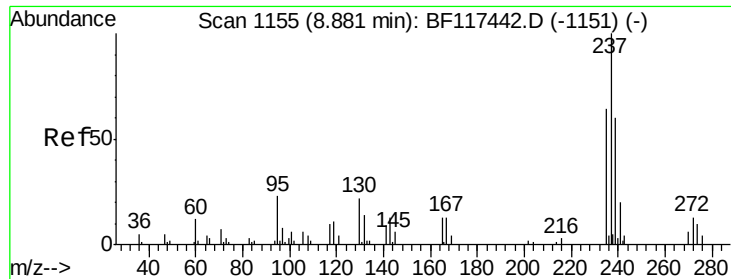
Ion 216.00 (215.70 to 216.70): E

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

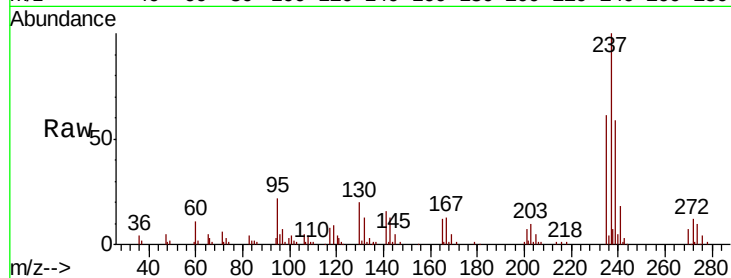




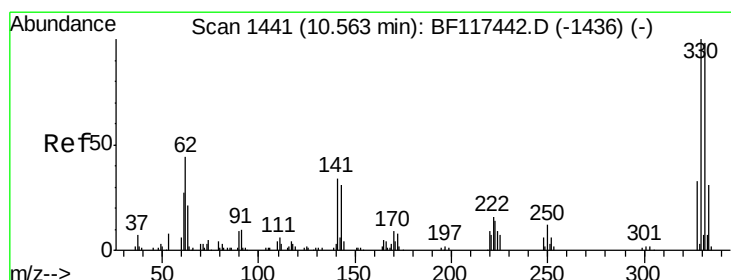
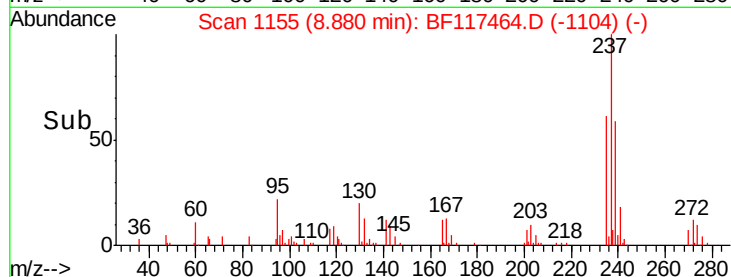
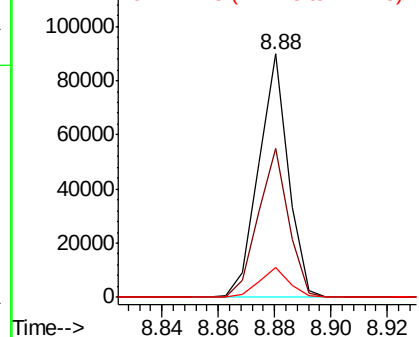
#41
Hexachlorocyclopentadiene
Concen: 66.993 ng
RT: 8.88 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
237	100		
235	60.9	44.3	84.3
272	12.2	0.0	33.2

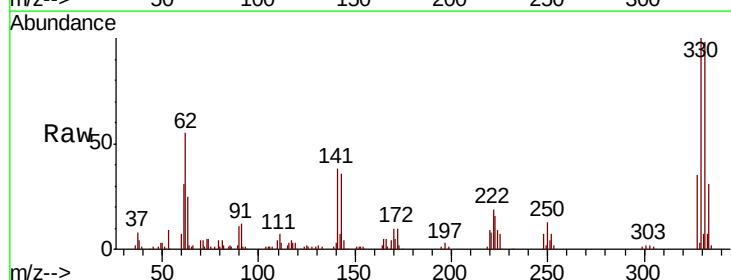


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

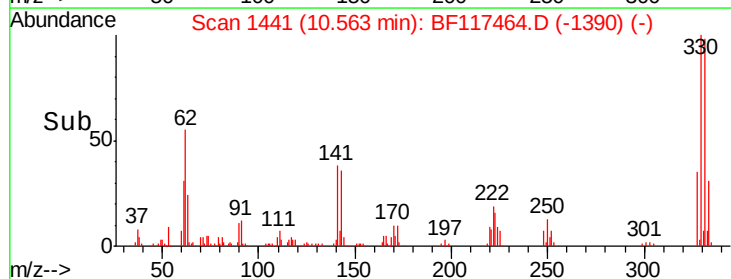
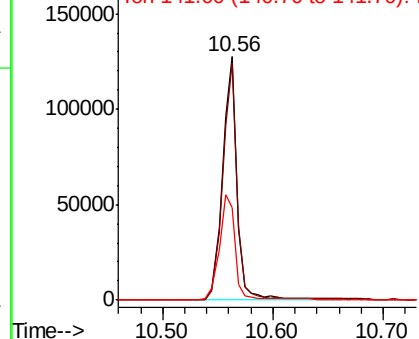


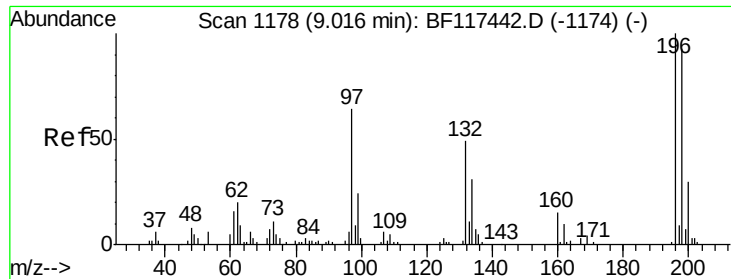
#42
2,4,6-Tribromophenol
Concen: 92.762 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	78.5	117.7
141	46.0	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

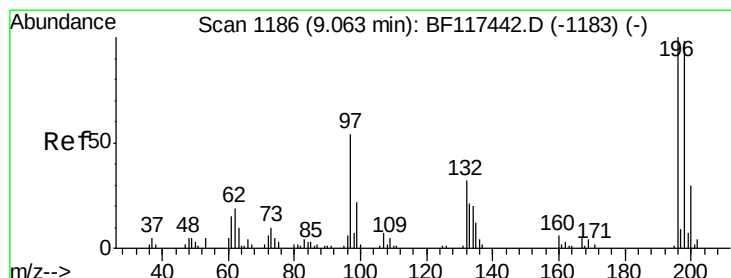
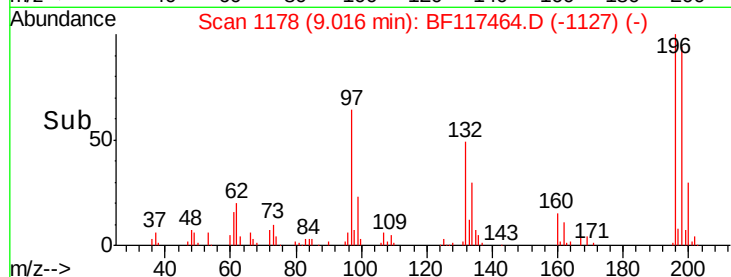
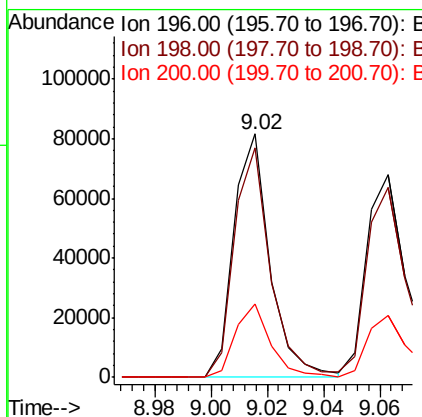
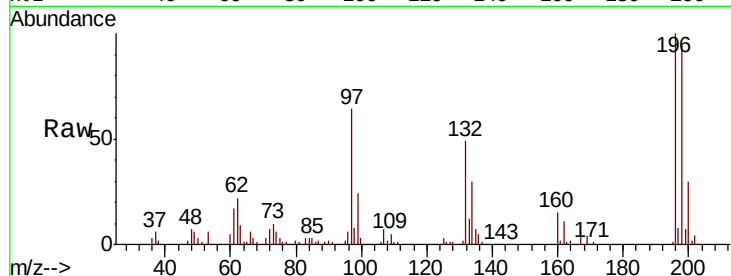




#43
 2,4,6-Trichlorophenol
 Concen: 29.718 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: BF117464.D
 Acq: 21 Oct 2019 22:55

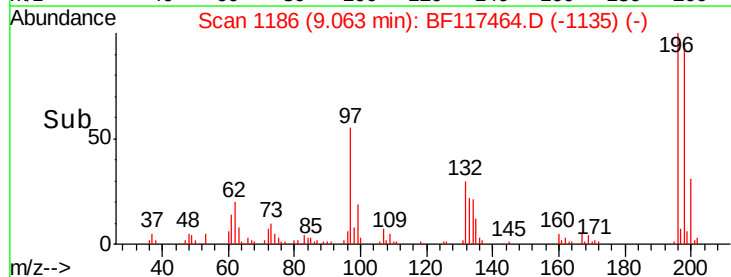
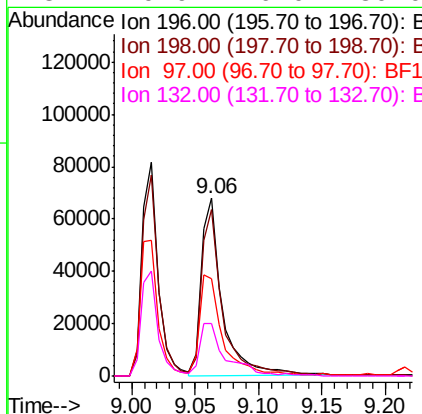
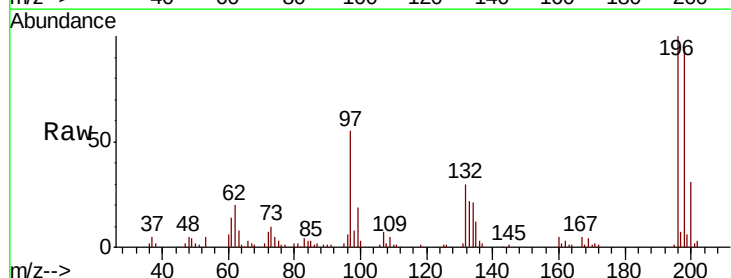
Instrument :
 BNA_F
 ClientSampleId :

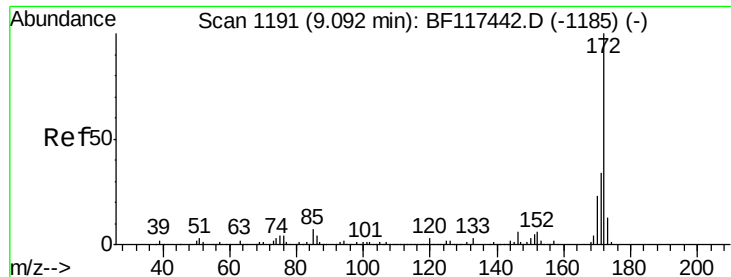
Tot Ion:196 Resp: 72833
 Ion Ratio Lower Upper
 196 100
 198 94.3 74.1 111.1
 200 29.9 23.9 35.9



#44
 2,4,5-Trichlorophenol
 Concen: 31.478 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: BF117464.D
 Acq: 21 Oct 2019 22:55

Tgt Ion:196 Resp: 78175
 Ion Ratio Lower Upper
 196 100
 198 93.9 78.6 117.8
 97 55.0 43.4 65.2
 132 29.9 26.0 39.0

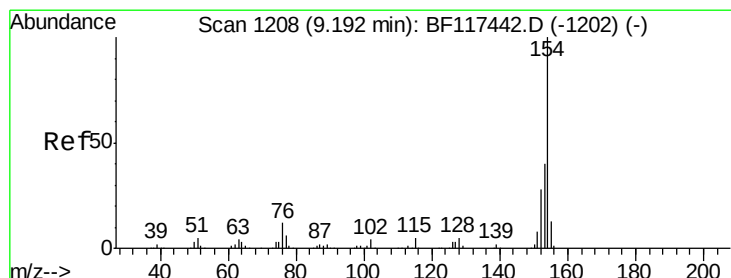
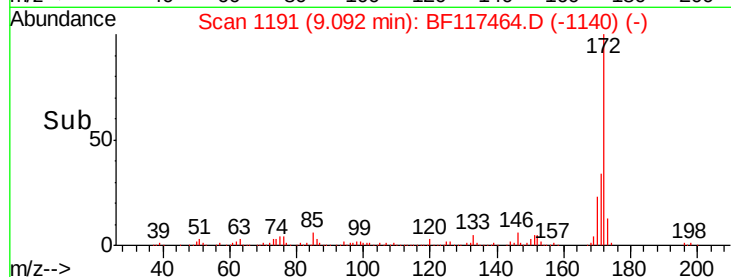
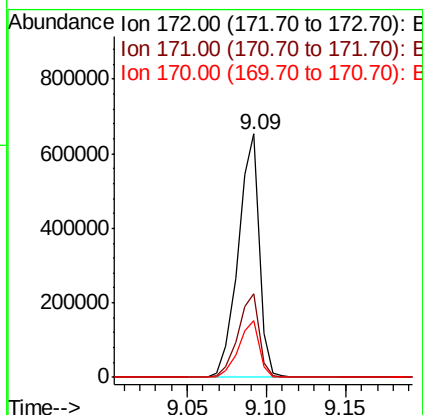
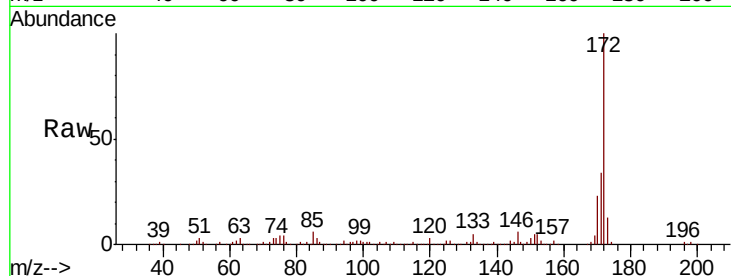




#45
2-Fluorobiphenyl
Concen: 58.086 ng
RT: 9.09 min Scan# 1191
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

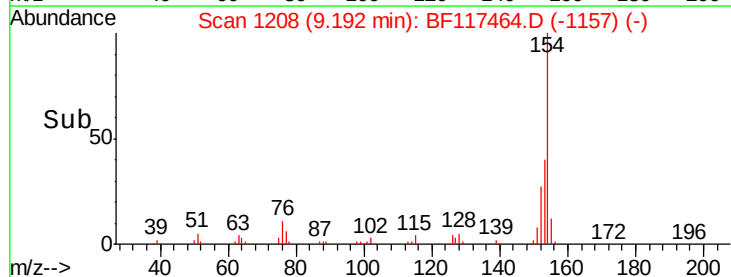
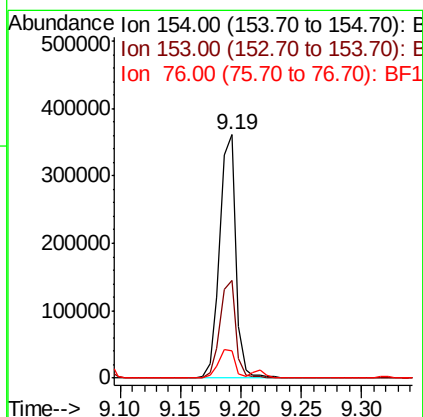
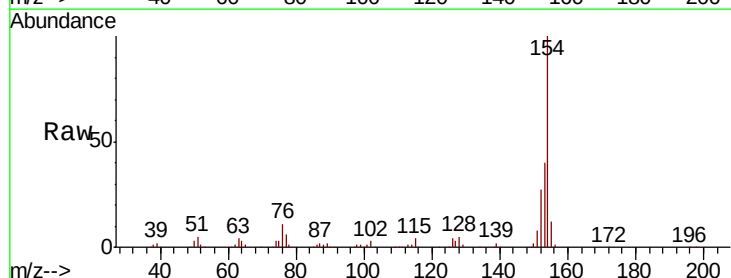
Instrument :
BNA_F
ClientSampleId :

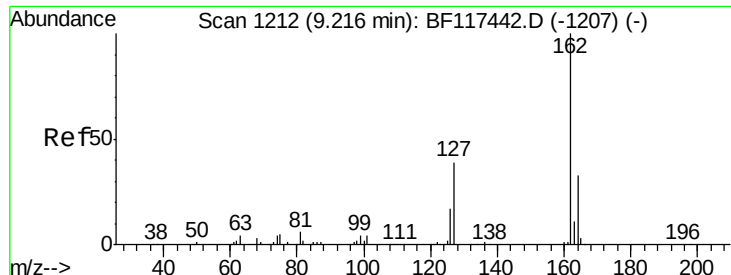
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.5	41.3
170	23.2	18.6	27.8



#46
1,1'-Biphenyl
Concen: 27.685 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.2	60.2
76	11.1	0.0	32.1

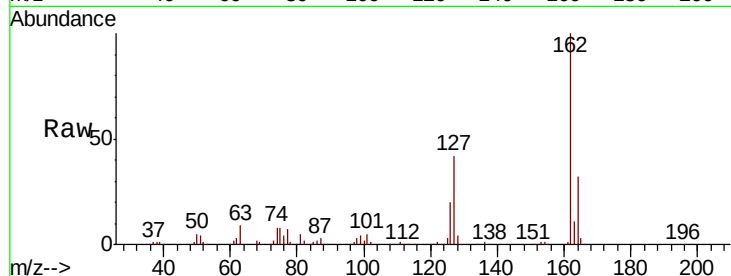




#47
2-Chloronaphthalene
Concen: 28.250 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.6	34.2	51.4
164	32.4	26.4	39.6

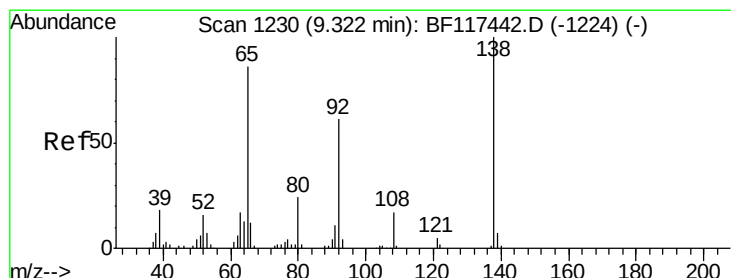
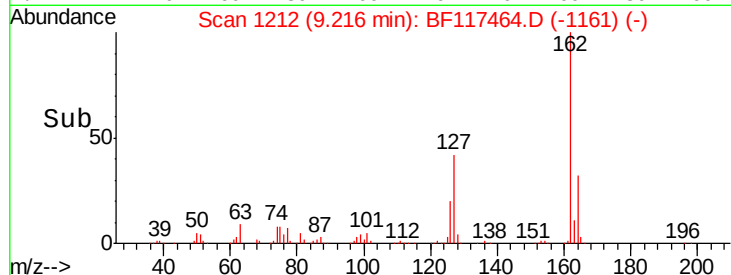
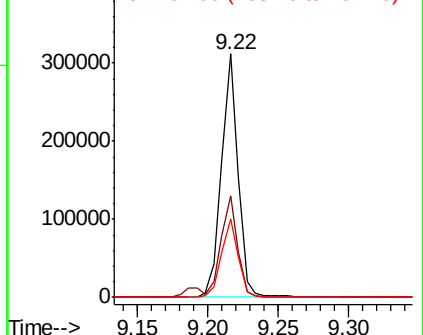


Abundance

Ion 162.00 (161.70 to 162.70): E

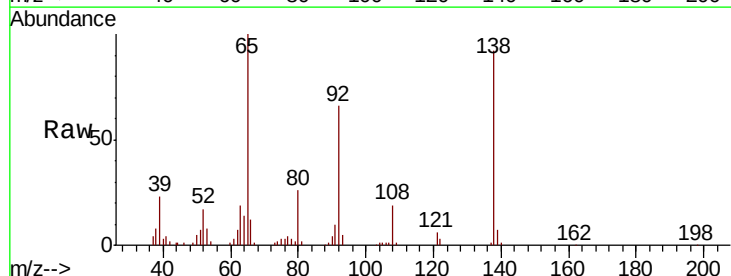
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 28.564 ng
RT: 9.32 min Scan# 1229
Delta R.T. -0.01 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Tgt Ion	Ratio	Lower	Upper
65	100		
92	65.7	57.3	85.9
138	92.2	93.3	139.9#

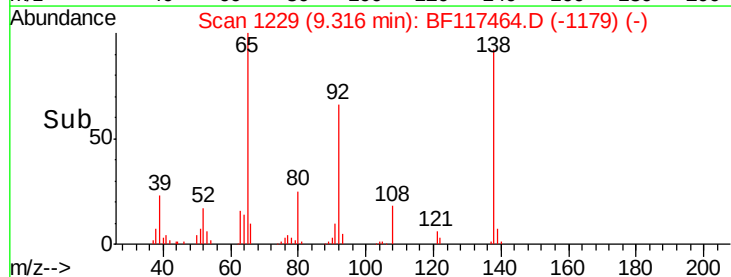
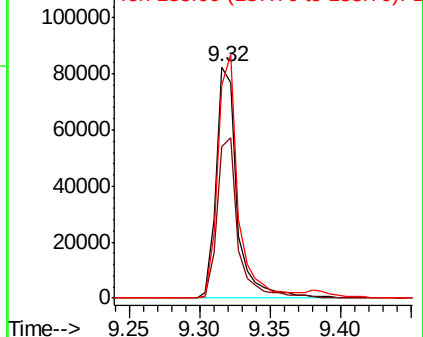


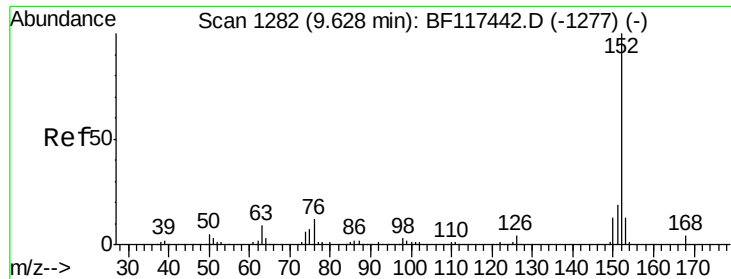
Abundance

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: 29.978 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.00 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

Instrument :

BNA_F

ClientSampleId :

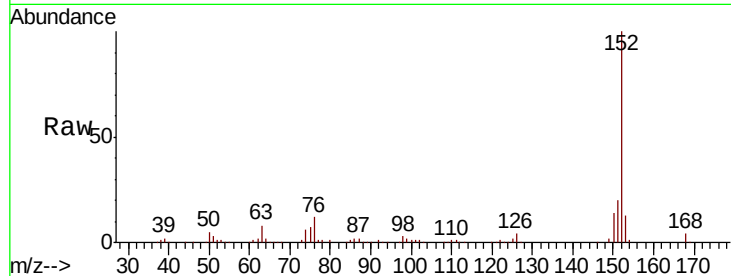
Tot Ion:152 Resp: 399370

Ion Ratio Lower Upper

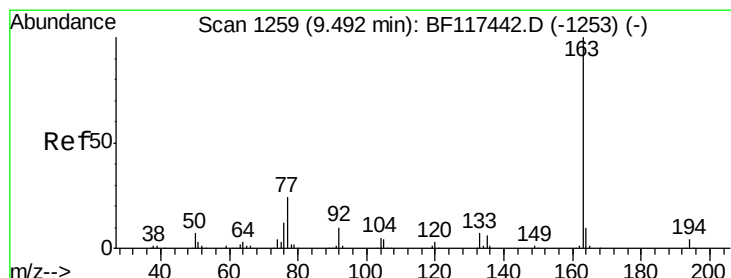
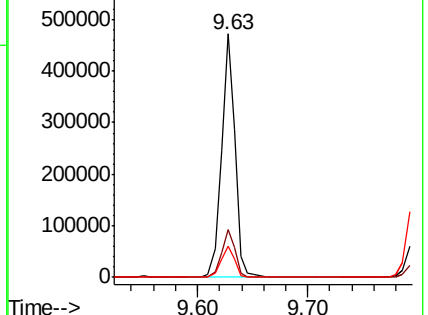
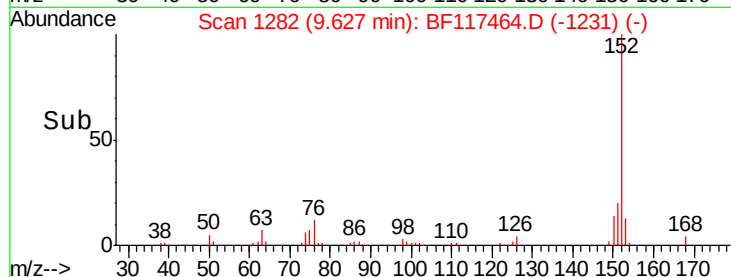
152 100

151 19.6 15.4 23.0

153 12.8 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: 41.218 ng

RT: 9.49 min Scan# 1259

Delta R.T. -0.00 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

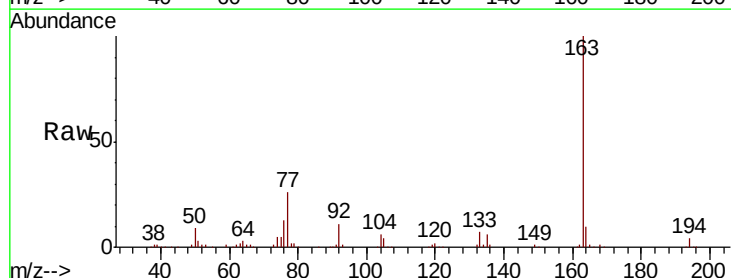
Tgt Ion:163 Resp: 426960

Ion Ratio Lower Upper

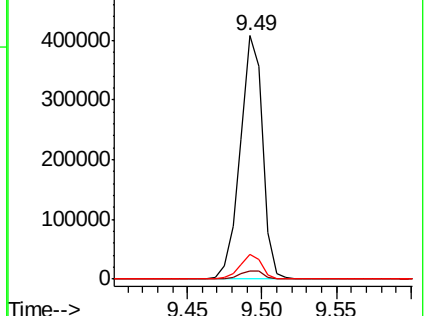
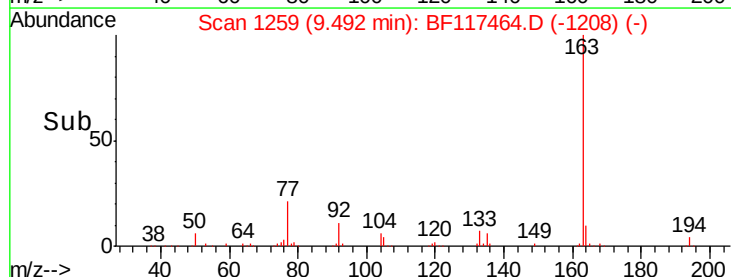
163 100

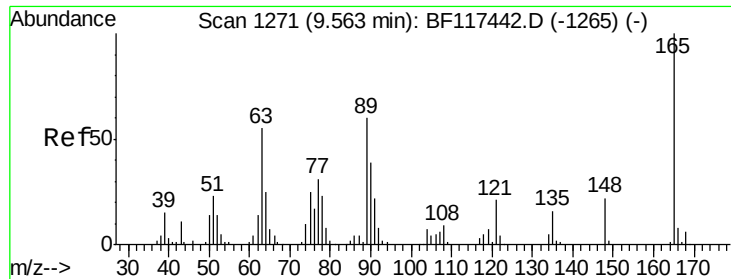
194 3.6 2.9 4.3

164 10.1 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

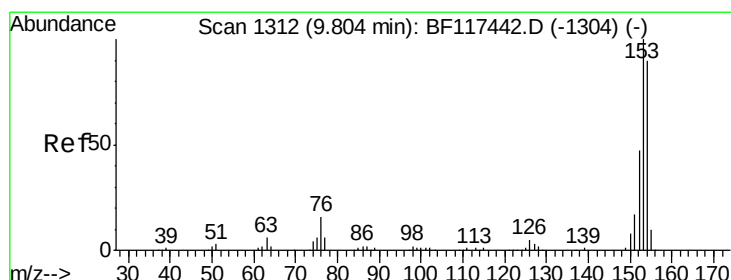
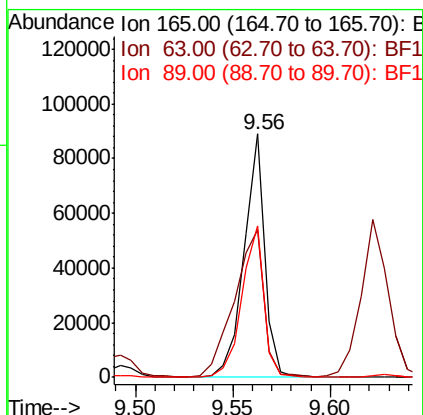
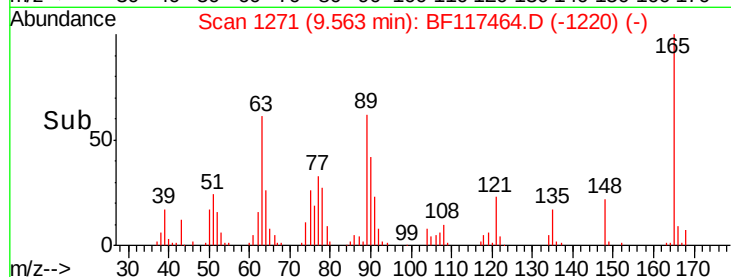
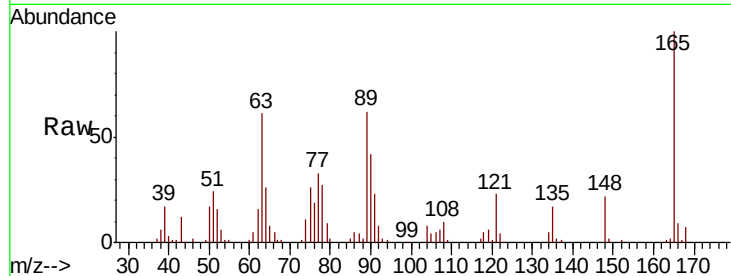




#51
2,6-Dinitrotoluene
Concen: 30.265 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

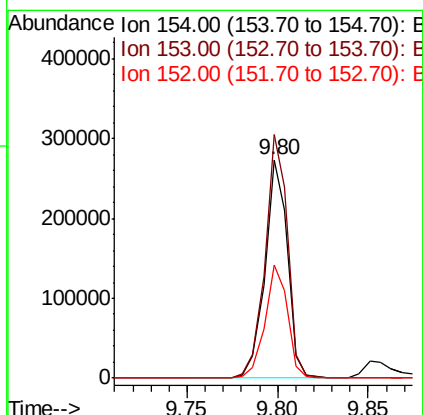
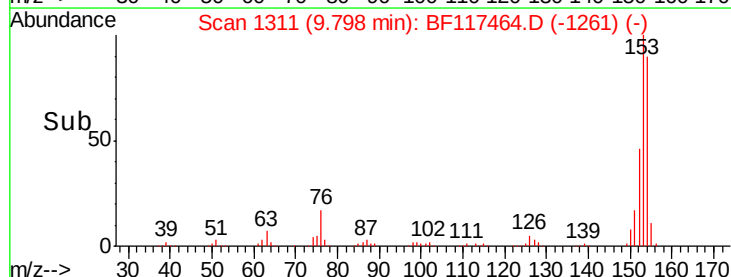
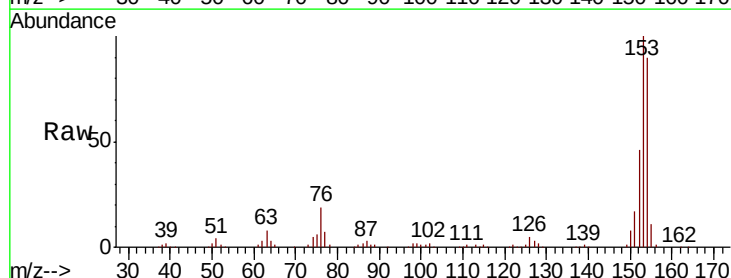
Instrument :
BNA_F
ClientSampled :

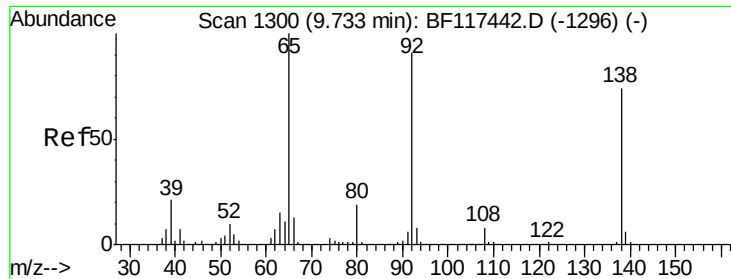
Tot Ion:165 Resp: 65421
Ion Ratio Lower Upper
165 100
63 60.6 43.8 65.8
89 62.1 47.6 71.4



#52
Acenaphthene
Concen: 28.885 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Tgt Ion:154 Resp: 236089
Ion Ratio Lower Upper
154 100
153 111.5 89.2 133.8
152 51.8 41.8 62.6

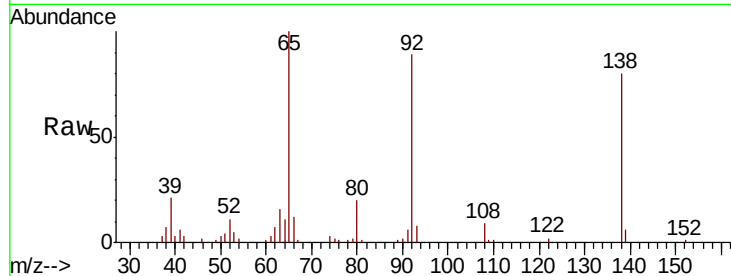




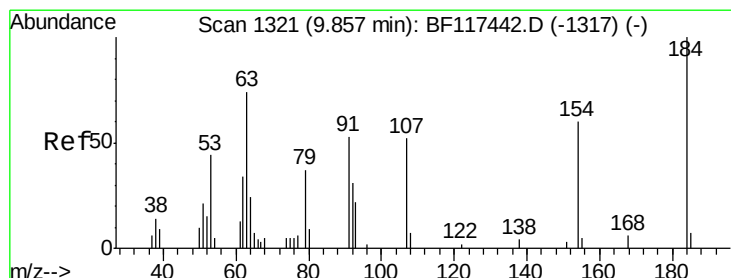
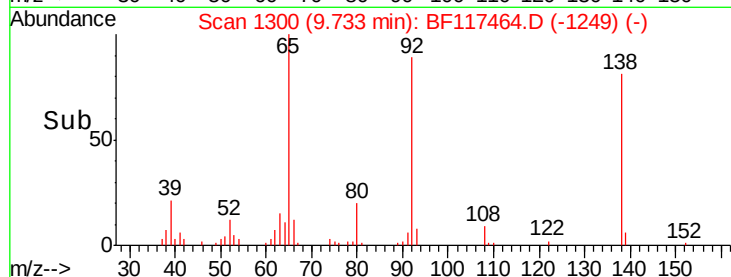
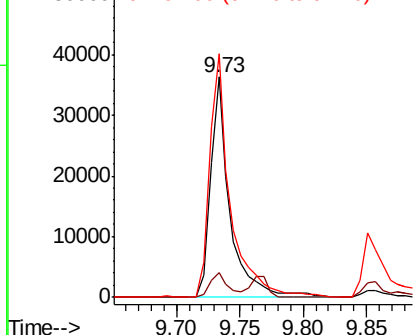
#53
3-Nitroaniline
Concen: 14.725 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 38620
Ion Ratio Lower Upper
138 100
108 11.0 8.7 13.1
92 110.6 98.4 147.6

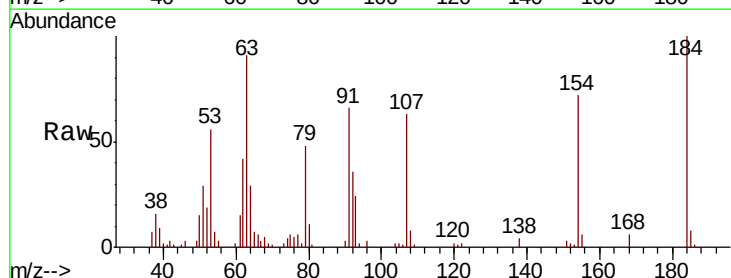


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

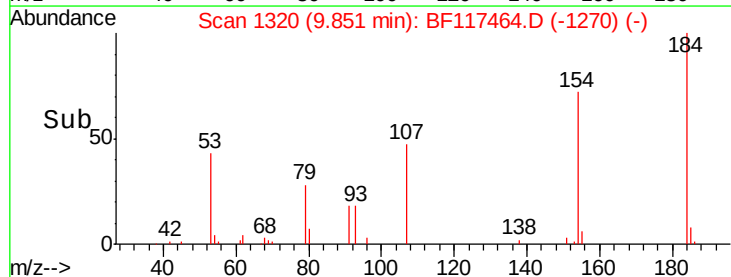
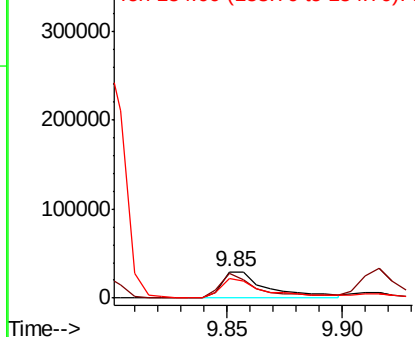


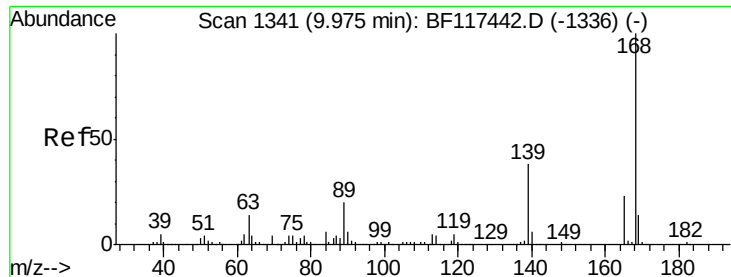
#54
2,4-Dinitrophenol
Concen: 47.866 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Tgt Ion:184 Resp: 41090
Ion Ratio Lower Upper
184 100
63 91.3 59.2 88.8#
154 72.3 53.4 80.0



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

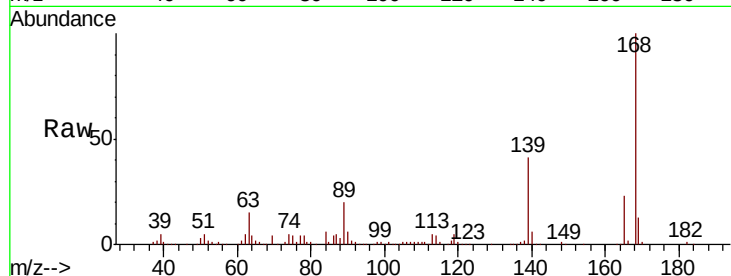




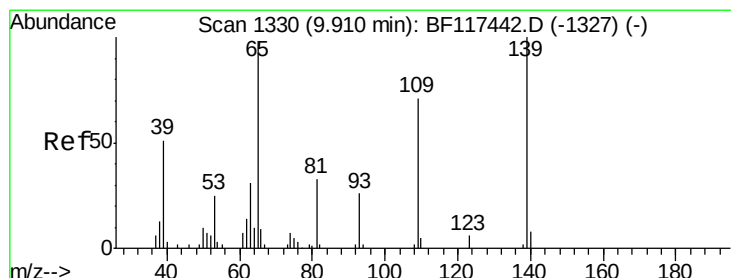
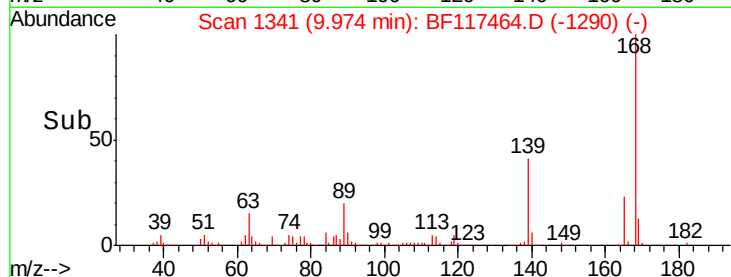
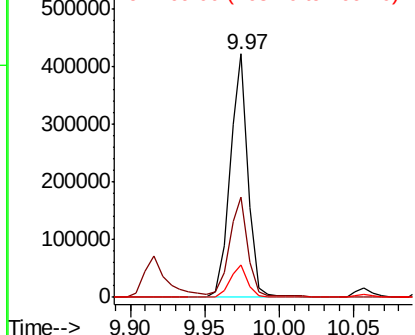
#55
Dibenzofuran
Concen: 30.206 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:168 Resp: 357695
Ion Ratio Lower Upper
168 100
139 41.3 31.8 47.6
169 13.3 11.2 16.8

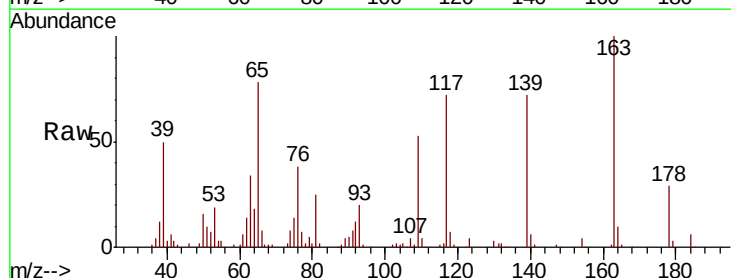


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

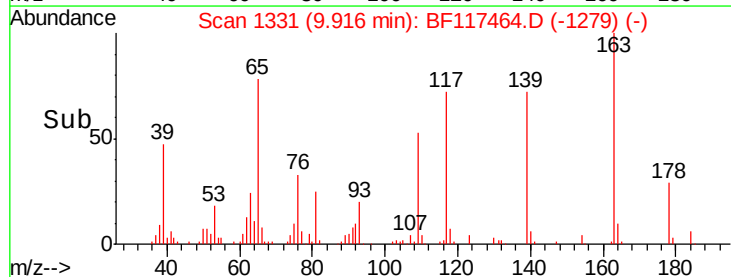
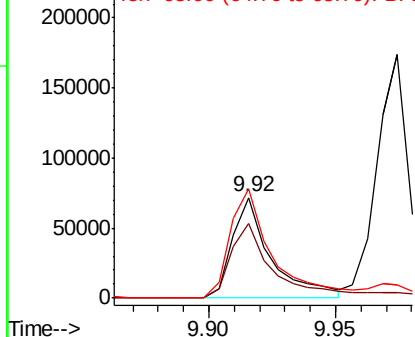


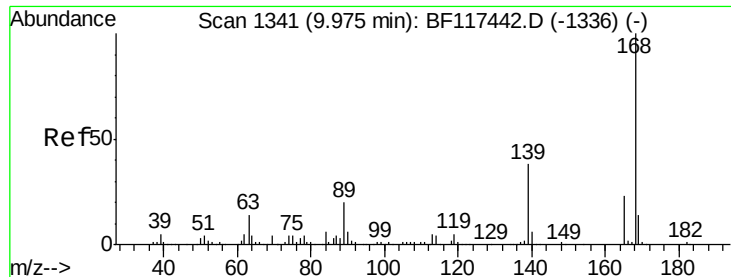
#56
4-Nitrophenol
Concen: 64.568 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Tgt Ion:139 Resp: 76937
Ion Ratio Lower Upper
139 100
109 73.9 51.4 91.4
65 108.4 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

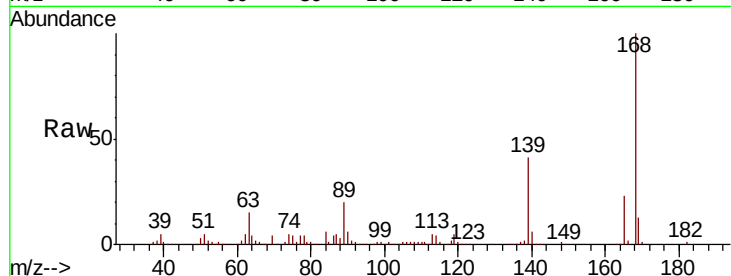




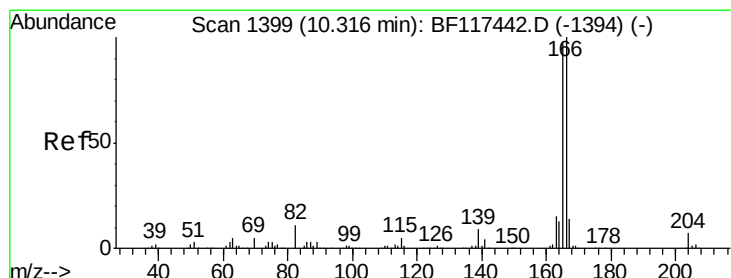
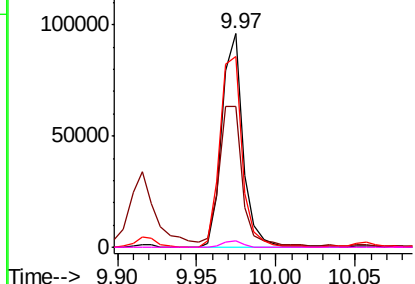
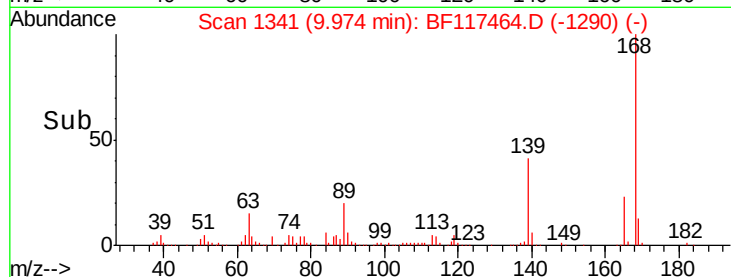
#57
2,4-Dinitrotoluene
Concen: 30.839 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:165 Resp: 88629
Ion Ratio Lower Upper
165 100
63 66.2 51.4 77.0
89 89.0 69.9 104.9
182 2.8 1.9 2.9

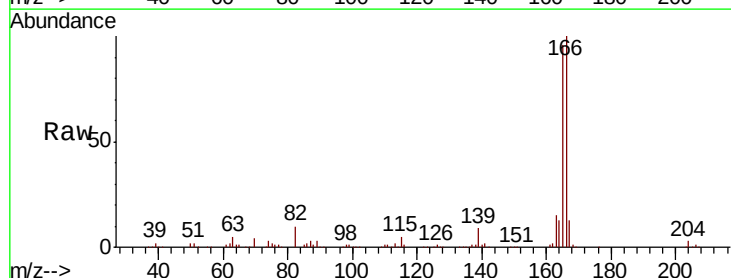


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

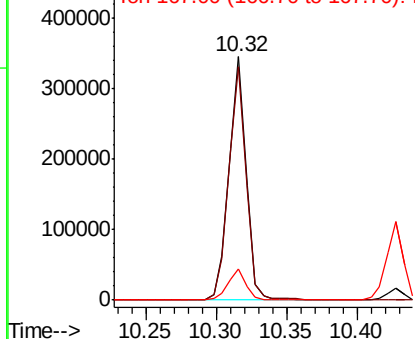
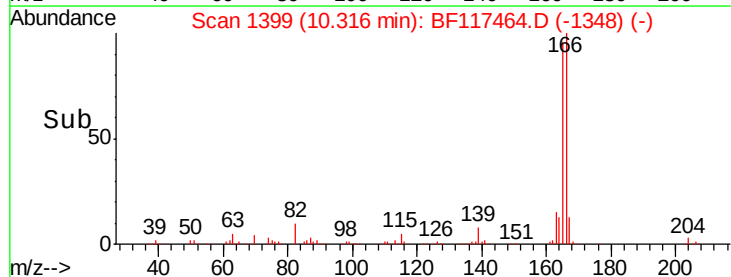


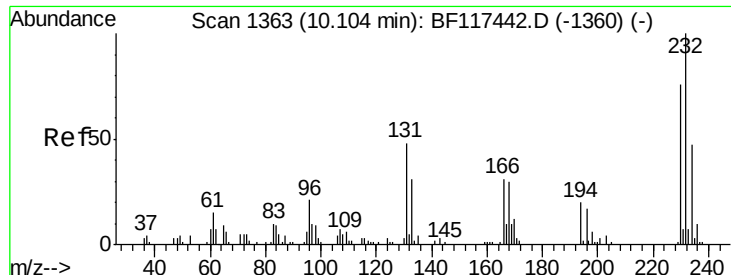
#58
Fluorene
Concen: 30.098 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Tgt Ion:166 Resp: 294741
Ion Ratio Lower Upper
166 100
165 96.0 77.6 116.4
167 13.0 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

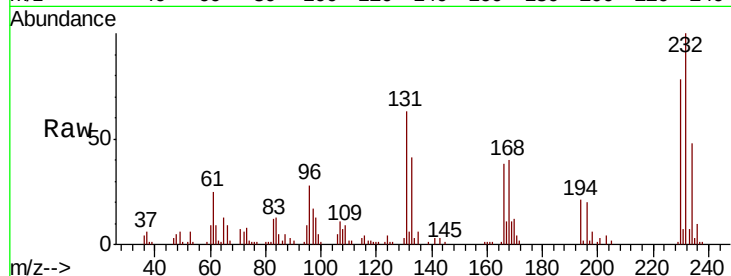




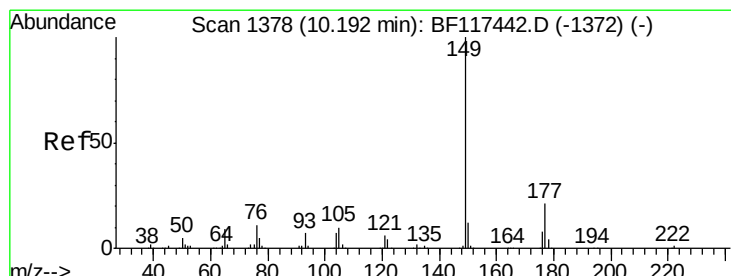
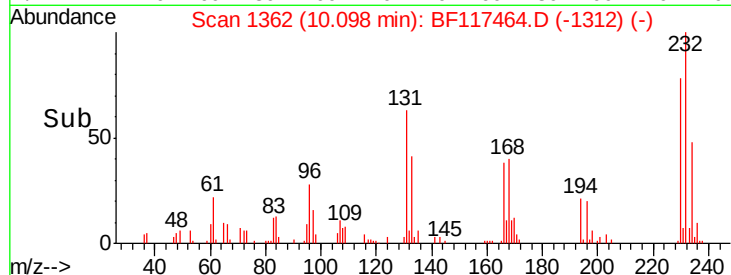
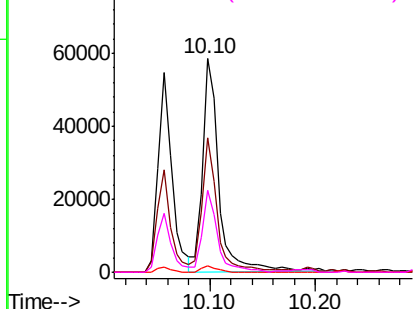
#59
2,3,4,6-Tetrachlorophenol
Concen: 31.666 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:232 Resp: 61809
Ion Ratio Lower Upper
232 100
131 56.0 42.6 63.8
130 2.6 2.2 3.4
166 36.3 27.5 41.3

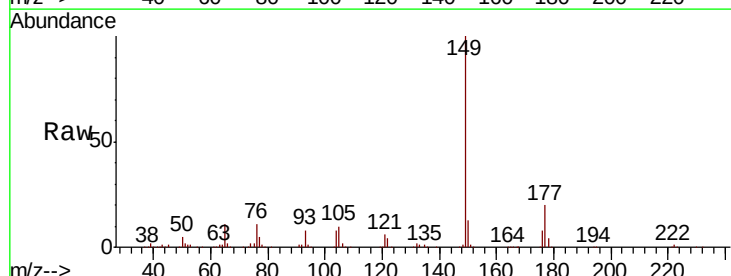


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

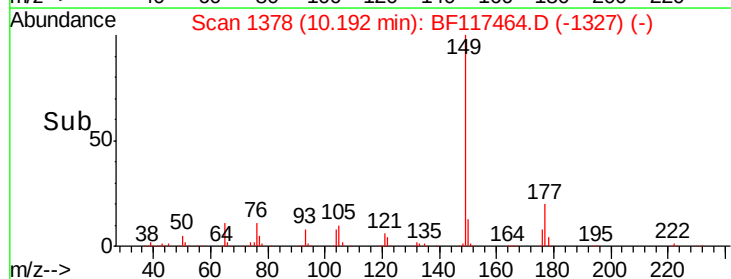
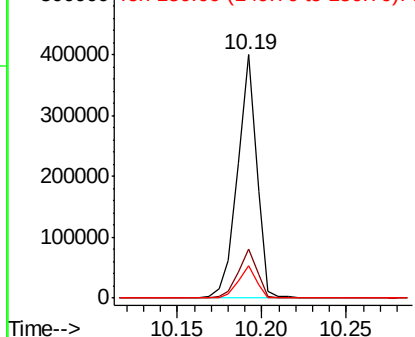


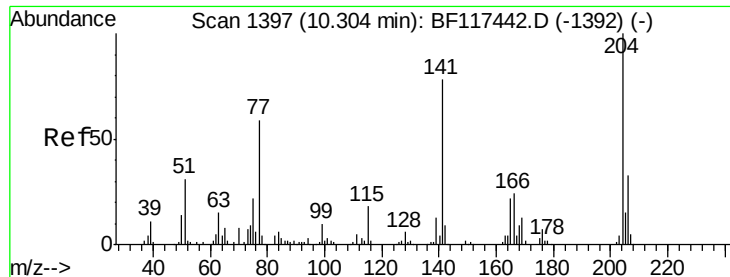
#60
Diethylphthalate
Concen: 30.218 ng
RT: 10.19 min Scan# 1378
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Tgt Ion:149 Resp: 316612
Ion Ratio Lower Upper
149 100
177 20.4 17.0 25.4
150 13.1 9.8 14.6



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

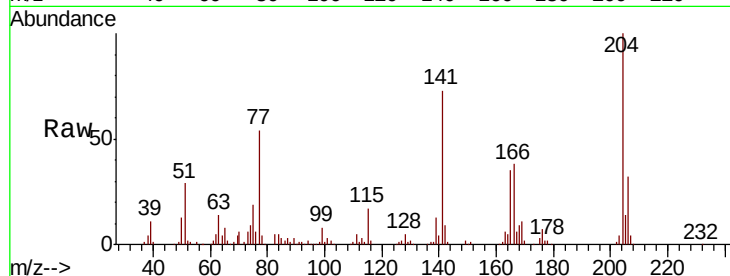




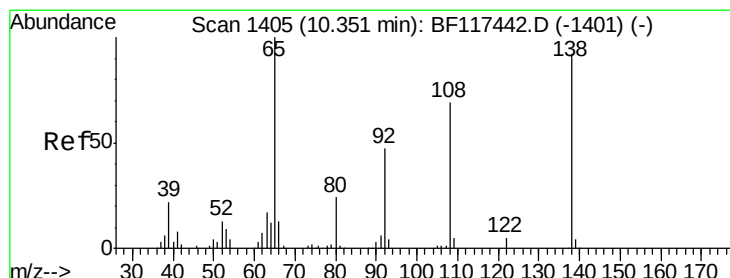
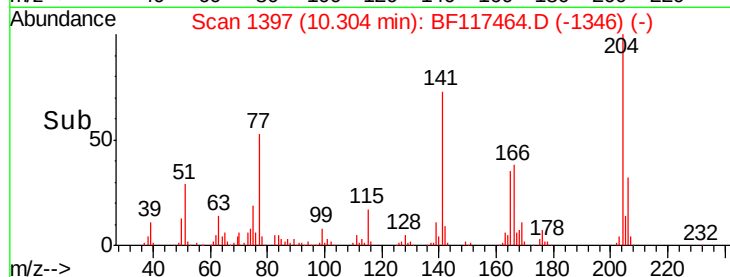
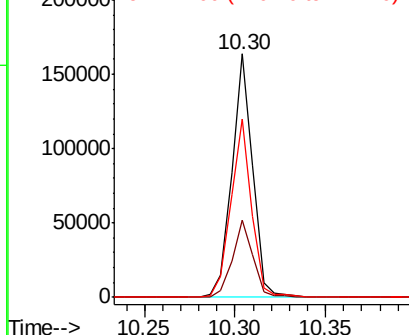
#61
4-Chlorophenyl-phenylether
Concen: 29.826 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:204 Resp: 131042
Ion Ratio Lower Upper
204 100
206 31.7 26.3 39.5
141 73.5 62.2 93.4

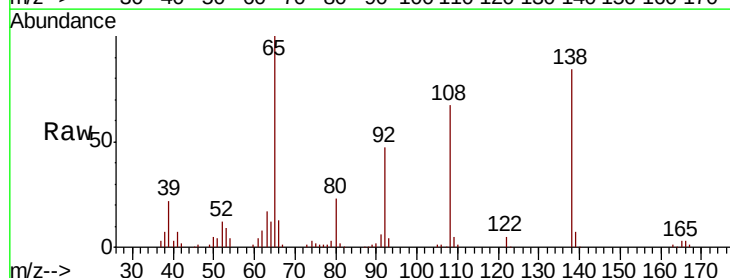


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

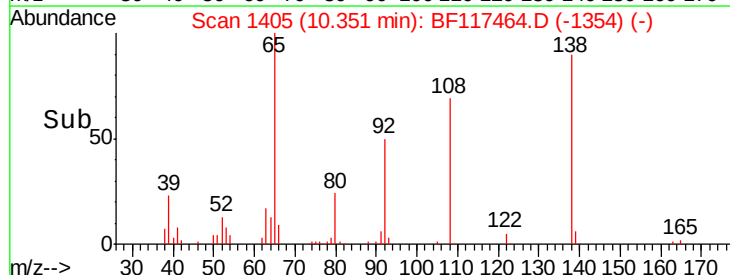
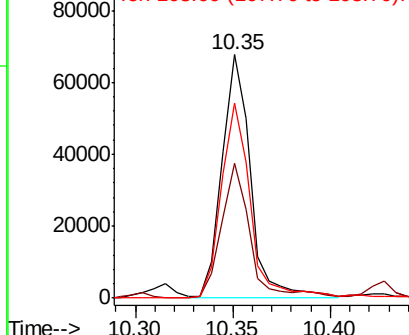


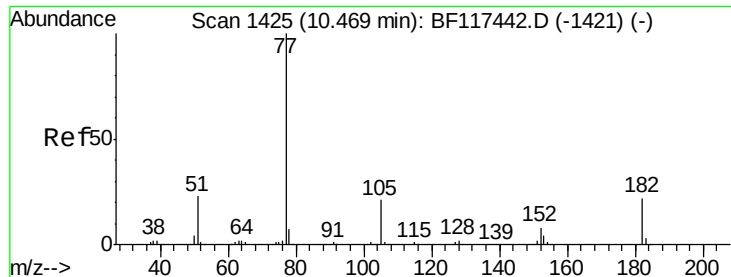
#62
4-Nitroaniline
Concen: 27.893 ng
RT: 10.35 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Tgt Ion:138 Resp: 68954
Ion Ratio Lower Upper
138 100
92 55.6 30.3 70.3
108 79.8 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

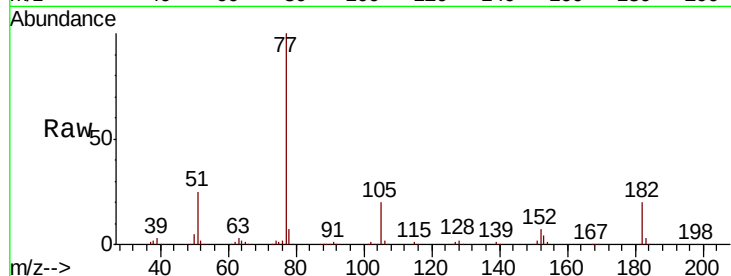




#63
Azobenzene
Concen: 30.975 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	19.7	2.3	42.3	
105	20.4	1.3	41.3	
51	25.3	3.5	43.5	

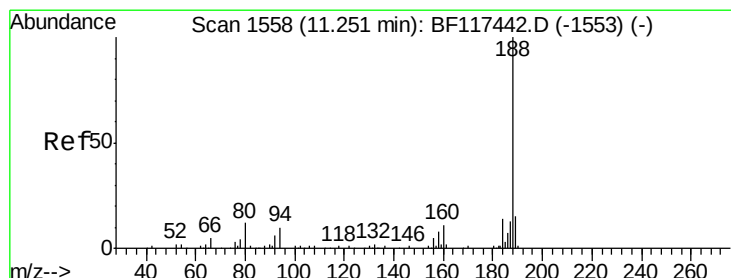
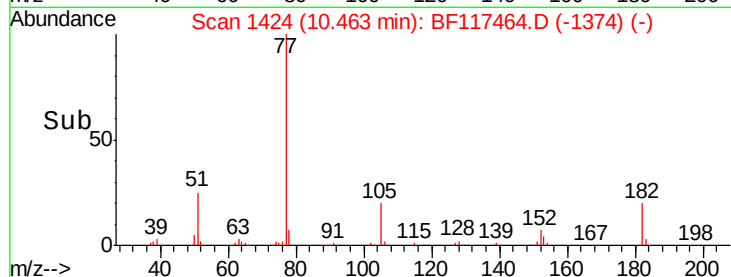
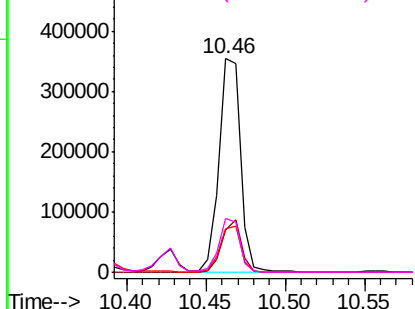


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

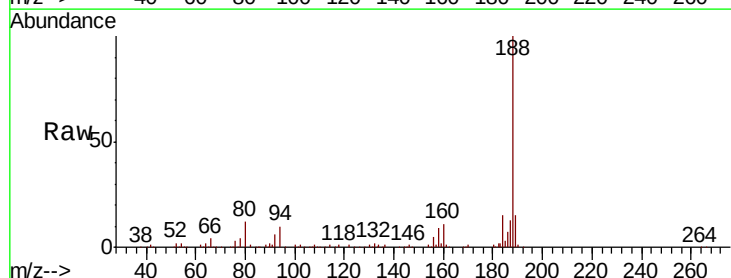
Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

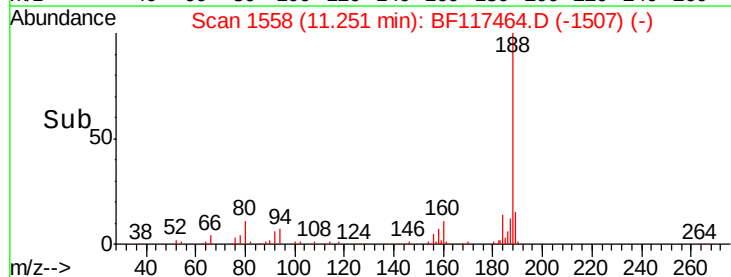
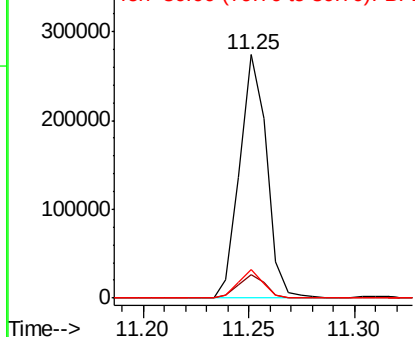
Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.6	8.0	12.0	
80	11.8	9.5	14.3	

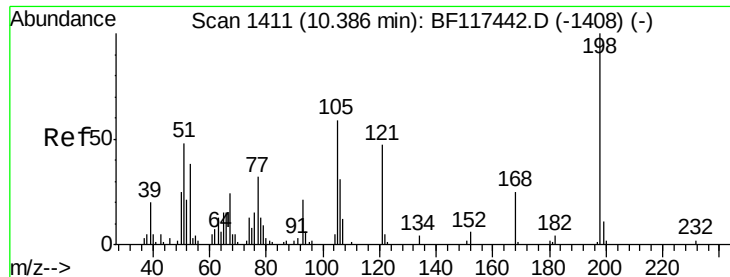


Abundance Ion 188.00 (187.70 to 188.70): E

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: 29.375 ng

RT: 10.39 min Scan# 1411

Delta R.T. -0.00 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

Instrument :

BNA_F

ClientSampled :

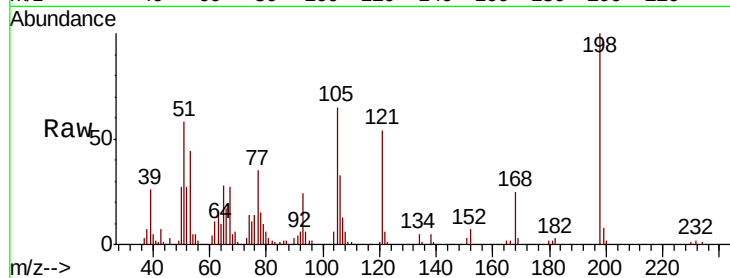
Tot Ion:198 Resp: 36284

Ion	Ratio	Lower	Upper
198	100		
51	58.4	29.1	69.1
105	65.4	39.4	79.4

198 100

51 58.4 29.1 69.1

105 65.4 39.4 79.4



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

120000

100000

80000

60000

40000

20000

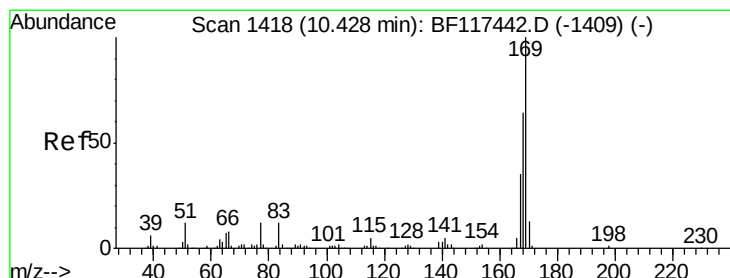
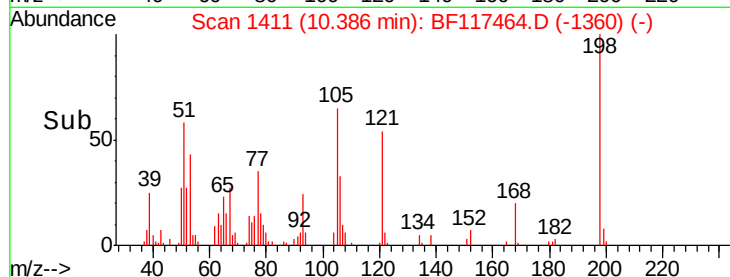
0

10.30

10.40

10.50

Time-->



#66

n-Nitrosodiphenylamine

Concen: 29.012 ng

RT: 10.43 min Scan# 1418

Delta R.T. -0.00 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

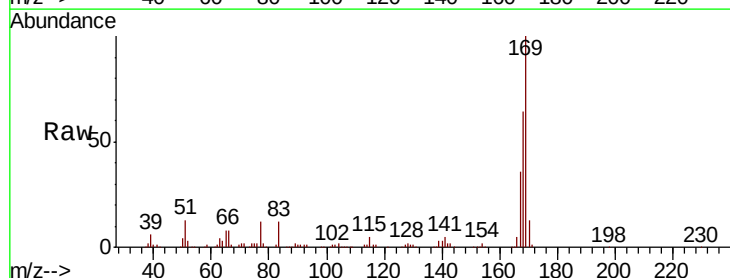
Tgt Ion:169 Resp: 257681

Ion	Ratio	Lower	Upper
169	100		
168	64.2	51.3	76.9
167	35.9	28.2	42.4

169 100

168 64.2 51.3 76.9

167 35.9 28.2 42.4



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

400000

300000

200000

100000

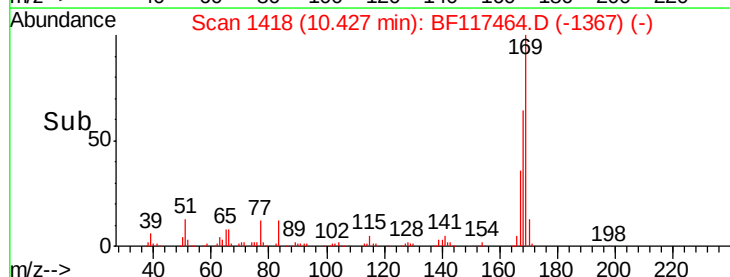
0

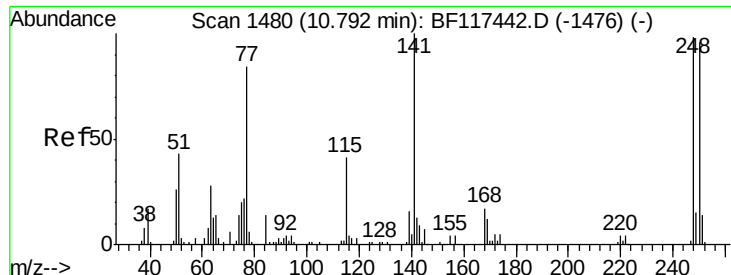
10.30

10.40

10.50

Time-->





#67

4-Bromophenyl-phenylether

Concen: 28.499 ng

RT: 10.79 min Scan# 1480

Delta R.T. -0.00 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

Instrument :

BNA_F

ClientSampleId :

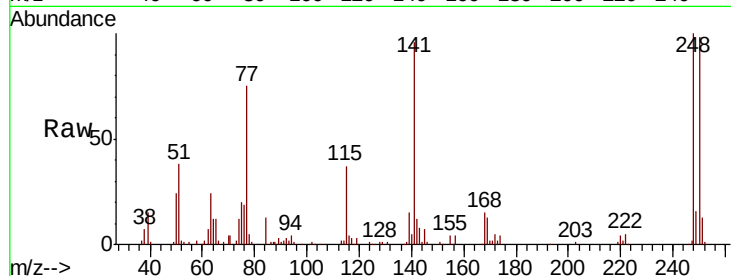
Tot Ion:248 Resp: 74578

Ion Ratio Lower Upper

248 100

250 98.0 78.0 117.0

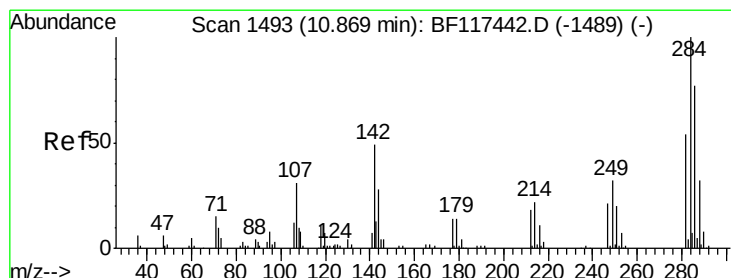
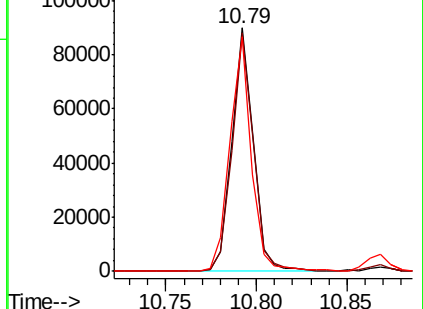
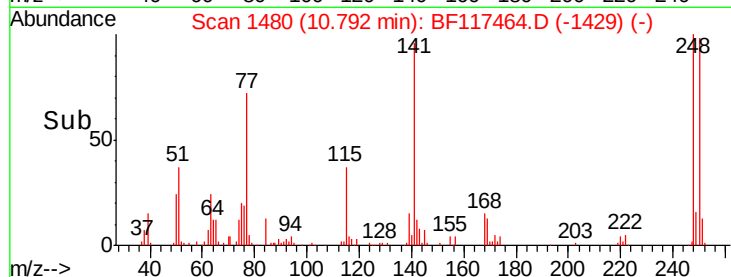
141 96.3 81.7 122.5



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: 27.636 ng

RT: 10.87 min Scan# 1493

Delta R.T. -0.00 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

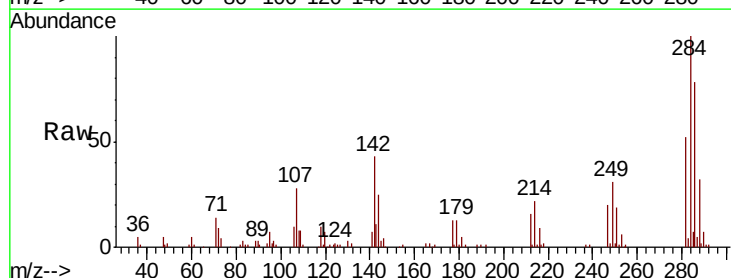
Tgt Ion:284 Resp: 77450

Ion Ratio Lower Upper

284 100

142 43.1 39.0 58.6

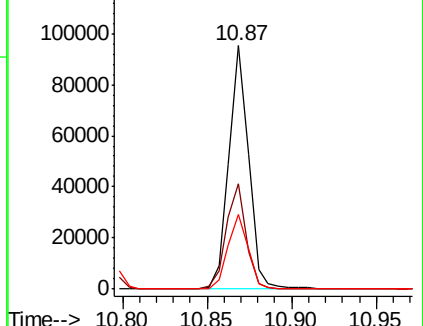
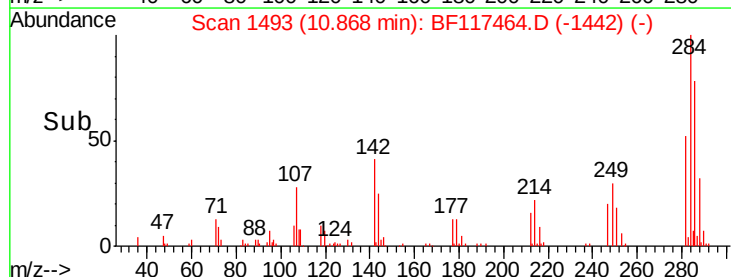
249 30.9 25.7 38.5

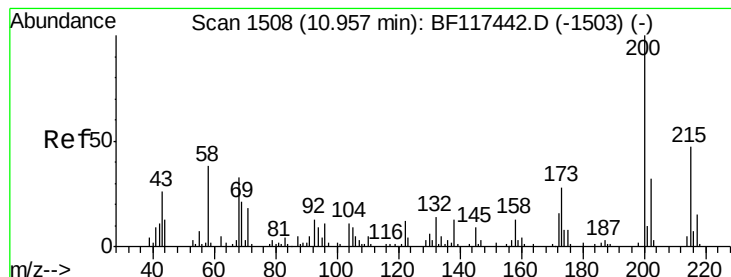


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 36.813 ng

RT: 10.96 min Scan# 1508

Delta R.T. -0.00 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

Instrument :

BNA_F

ClientSampleId :

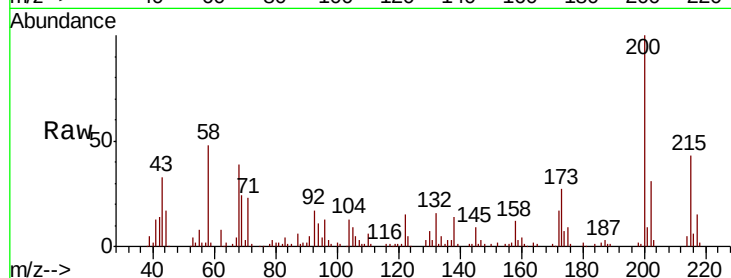
Tot Ion:200 Resp: 83187

Ion Ratio Lower Upper

200 100

173 27.3 8.2 48.2

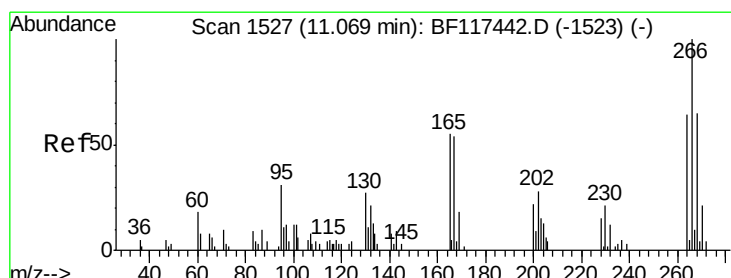
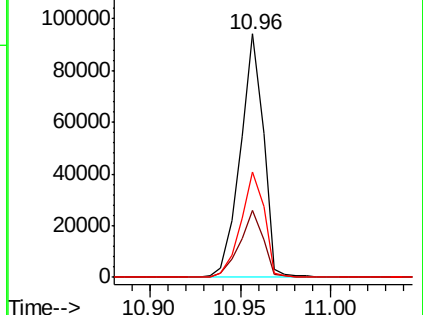
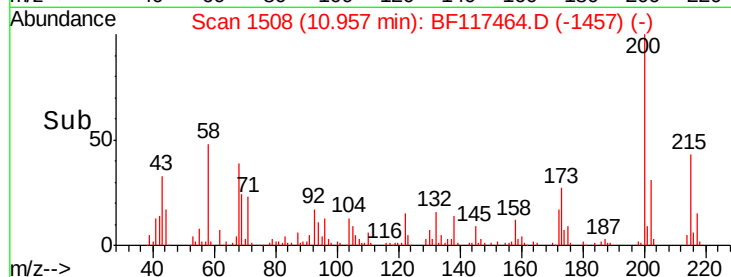
215 43.1 26.8 66.8



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 74.015 ng

RT: 11.07 min Scan# 1527

Delta R.T. -0.00 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

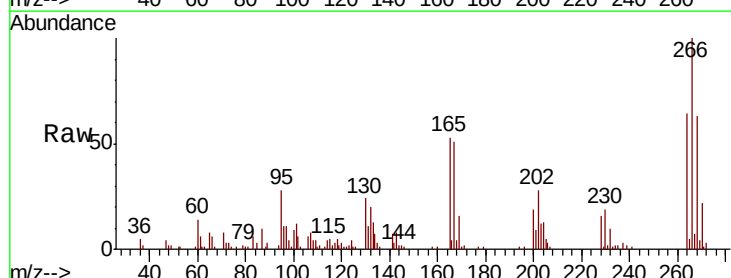
Tgt Ion:266 Resp: 62183

Ion Ratio Lower Upper

266 100

268 62.5 51.6 77.4

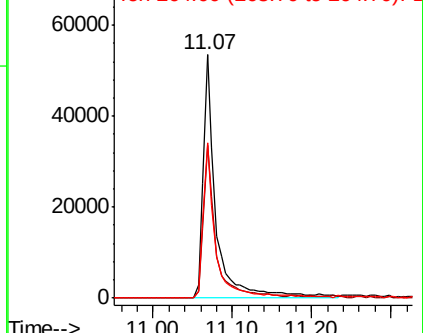
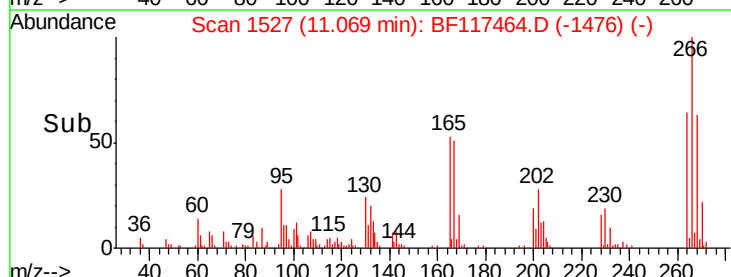
264 63.6 51.4 77.2

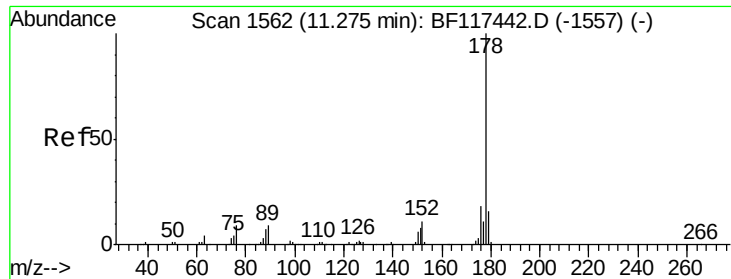


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 29.684 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

Instrument :

BNA_F

ClientSampleId :

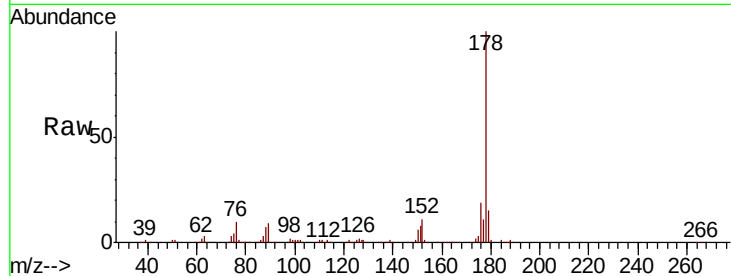
Tot Ion:178 Resp: 418752

Ion Ratio Lower Upper

178 100

176 19.1 14.6 22.0

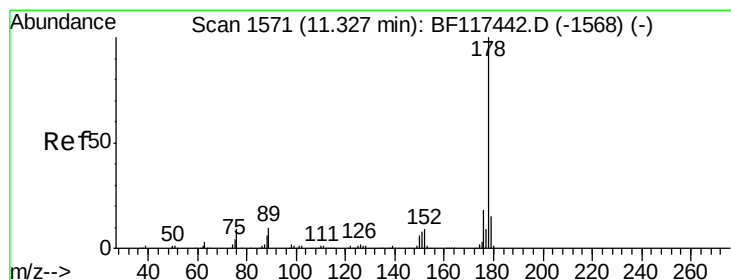
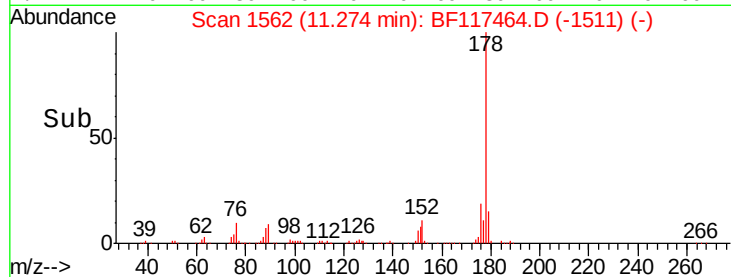
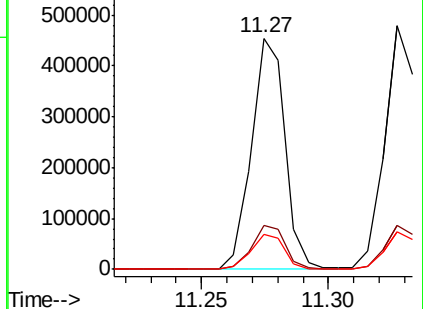
179 14.9 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 30.750 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

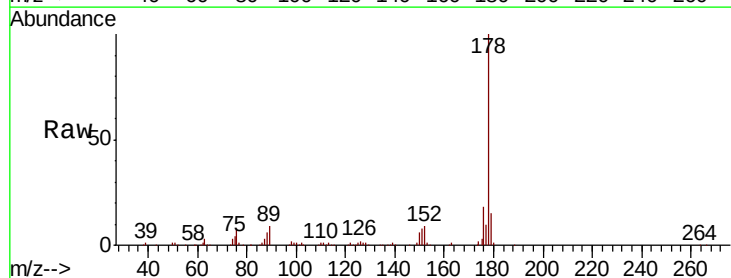
Tgt Ion:178 Resp: 445097

Ion Ratio Lower Upper

178 100

176 18.1 14.7 22.1

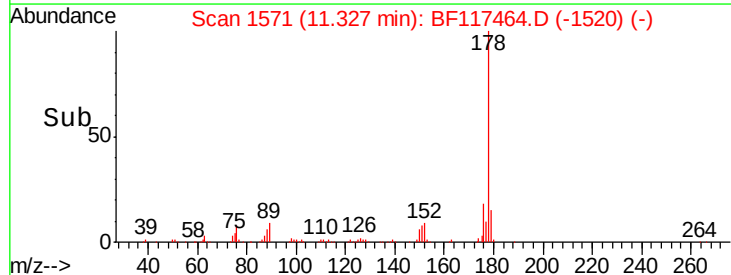
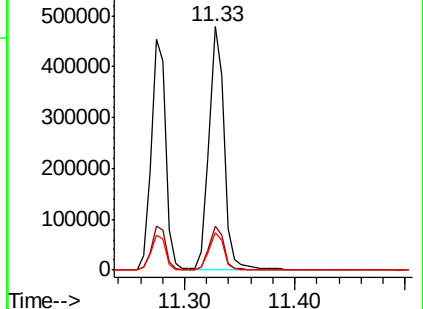
179 15.4 12.2 18.2

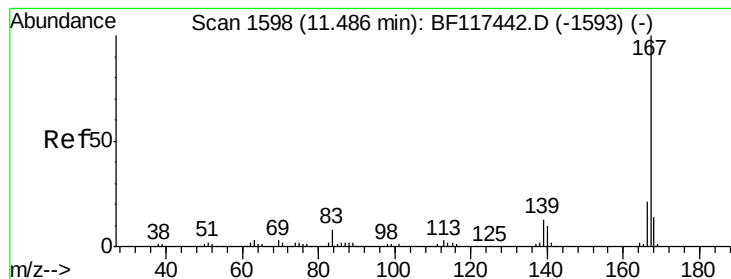


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 30.943 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.00 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

Instrument :

BNA_F

ClientSampleId :

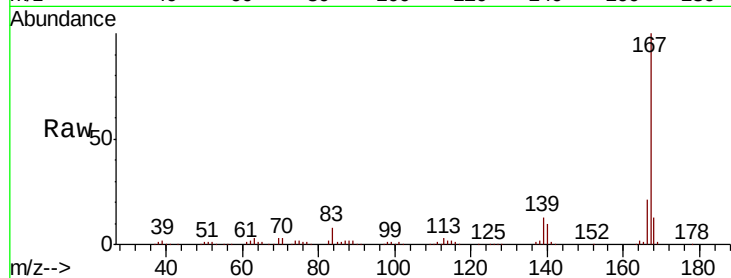
Tot Ion:167 Resp: 409320

Ion Ratio Lower Upper

167 100

166 20.8 17.0 25.6

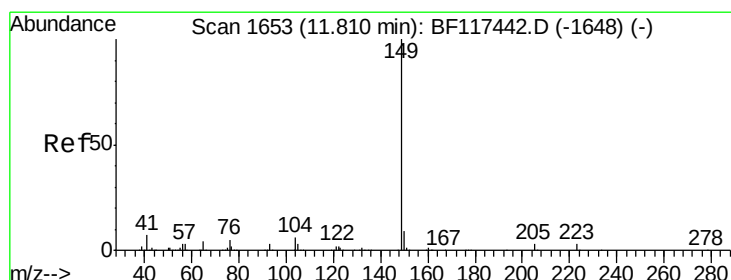
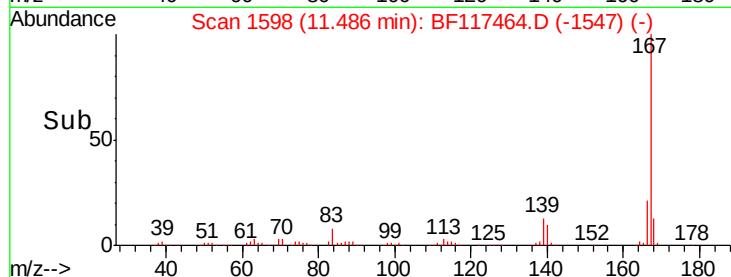
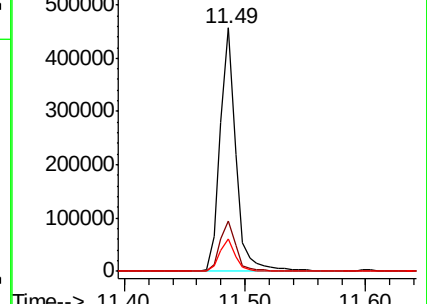
139 13.2 10.6 16.0



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: 30.169 ng

RT: 11.81 min Scan# 1653

Delta R.T. -0.00 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

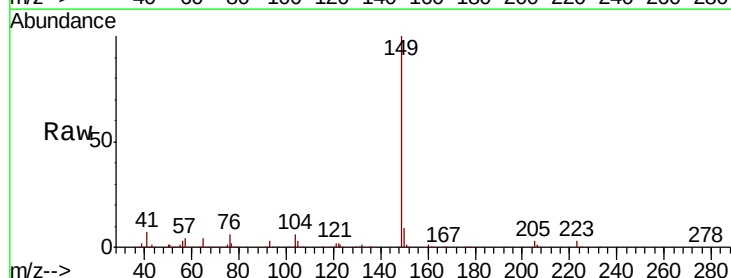
Tgt Ion:149 Resp: 533230

Ion Ratio Lower Upper

149 100

150 9.4 7.5 11.3

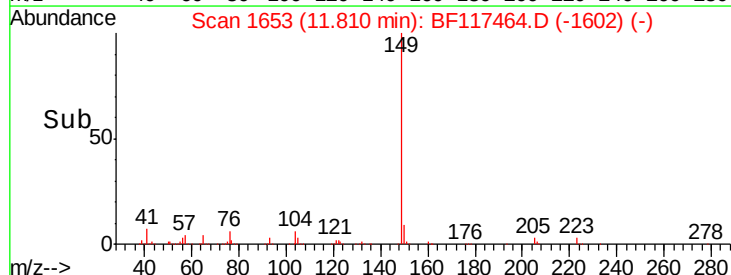
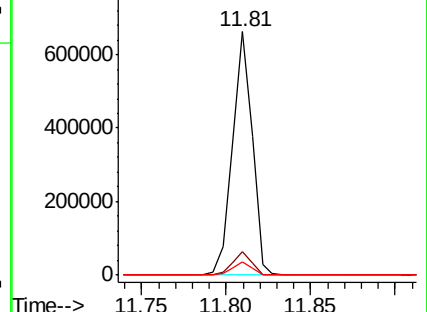
104 5.5 4.6 6.8

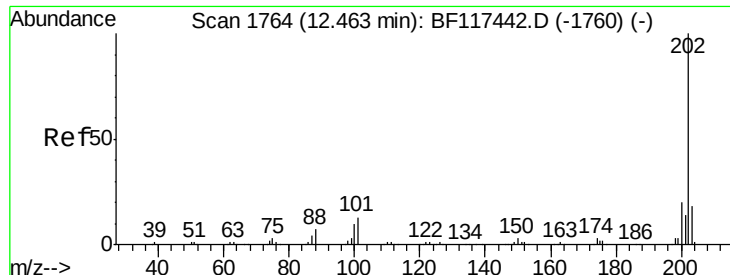


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

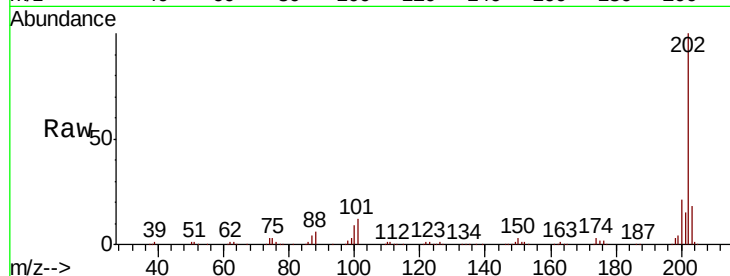




#75
 Fluoranthene
 Concen: 30.685 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: BF117464.D
 Acq: 21 Oct 2019 22:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	32.7
203	17.8	0.0	37.6

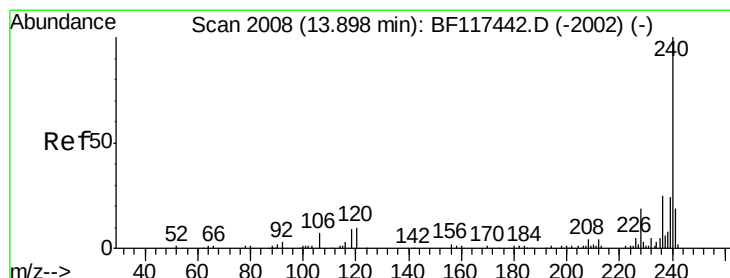
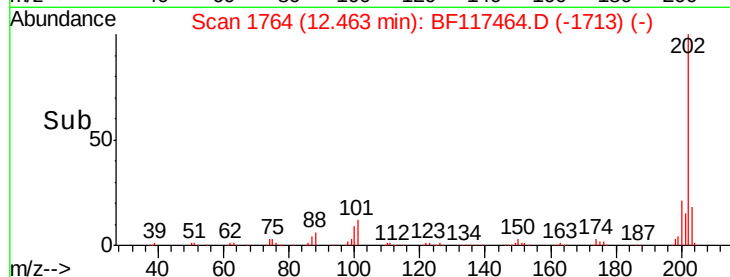
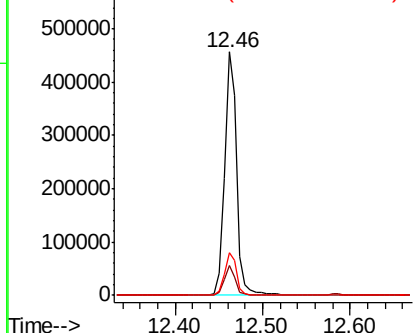


Abundance

Ion 202.00 (201.70 to 202.70): E

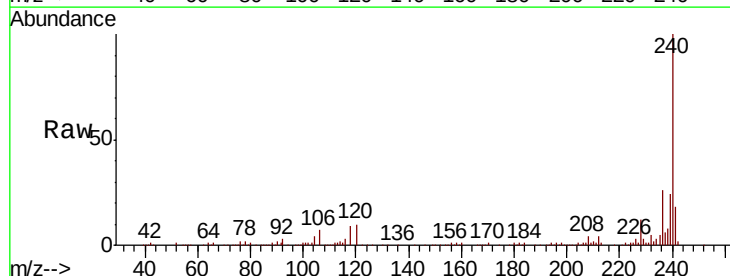
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: BF117464.D
 Acq: 21 Oct 2019 22:55

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.4	12.6
236	25.7	20.0	30.0

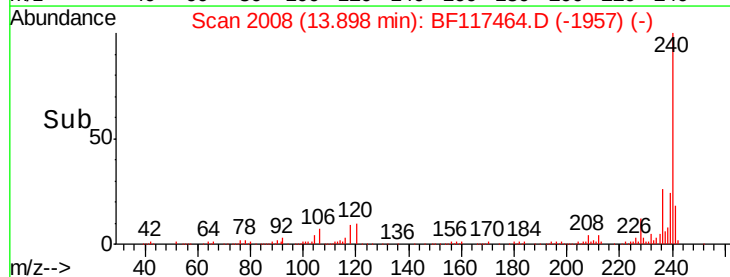
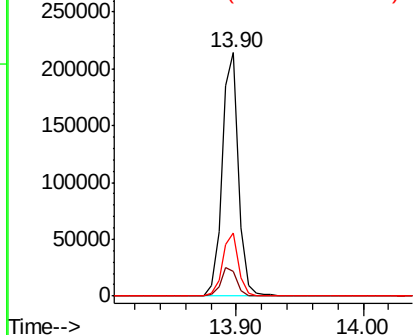


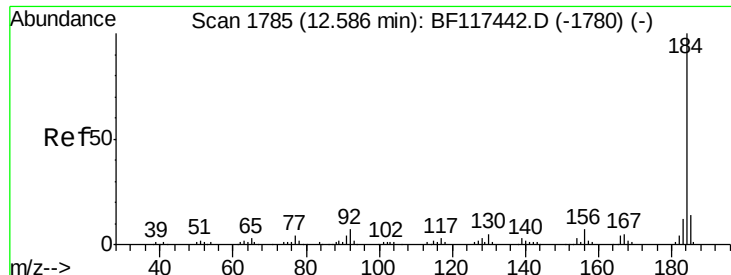
Abundance

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

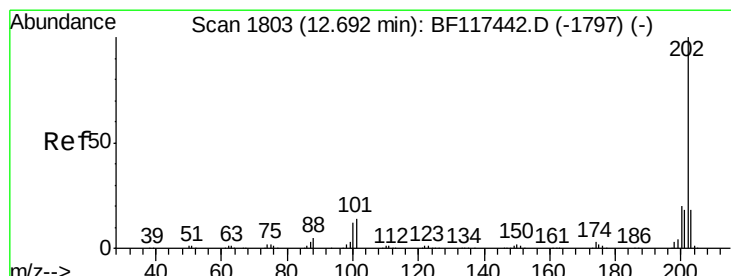
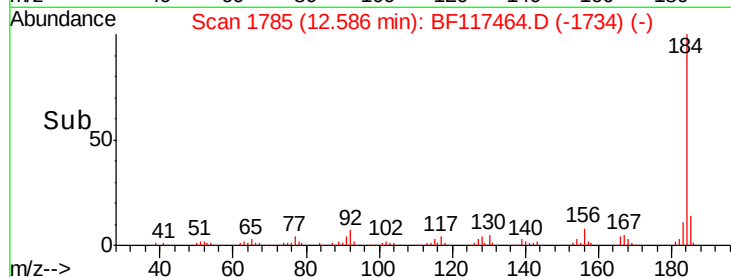
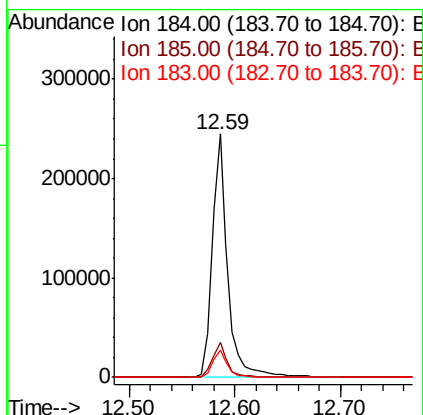
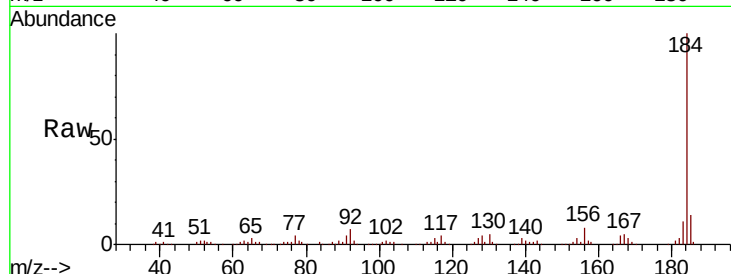




#77
Benzidine
Concen: 49.251 ng
RT: 12.59 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

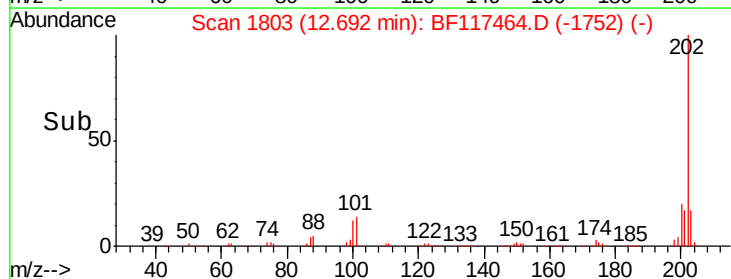
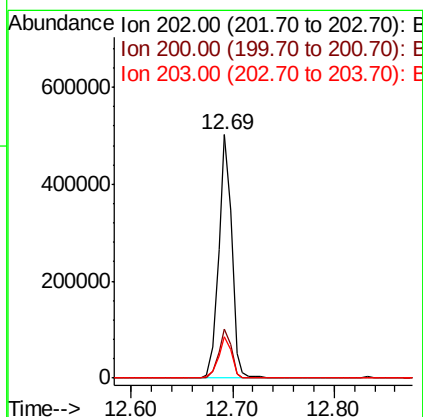
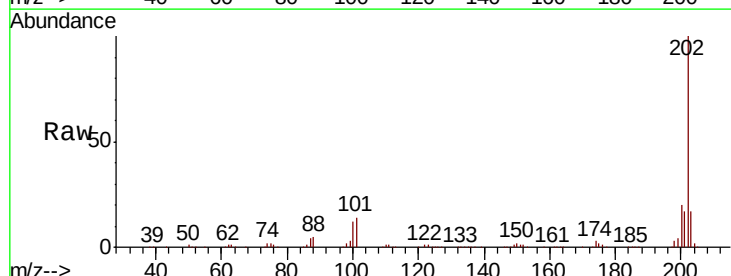
Instrument :
BNA_F
ClientSampleId :

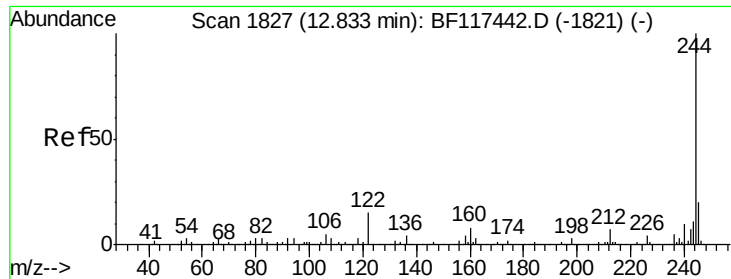
Tot Ion:184 Resp: 251831
Ion Ratio Lower Upper
184 100
185 14.4 11.4 17.0
183 11.3 9.6 14.4



#78
Pyrene
Concen: 27.144 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Tgt Ion:202 Resp: 448422
Ion Ratio Lower Upper
202 100
200 20.3 16.2 24.2
203 17.2 14.0 21.0





#79

Terphenyl-d14

Concen: 51.740 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

Instrument :

BNA_F

ClientSampleId :

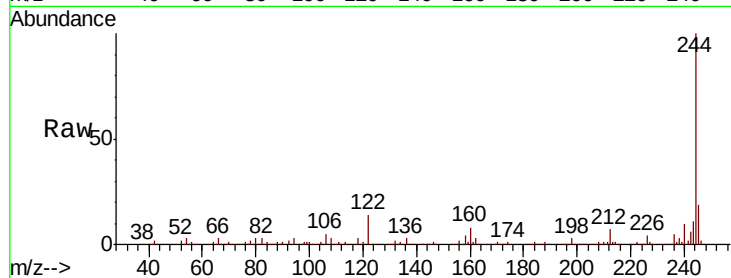
Tot Ion:244 Resp: 610081

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

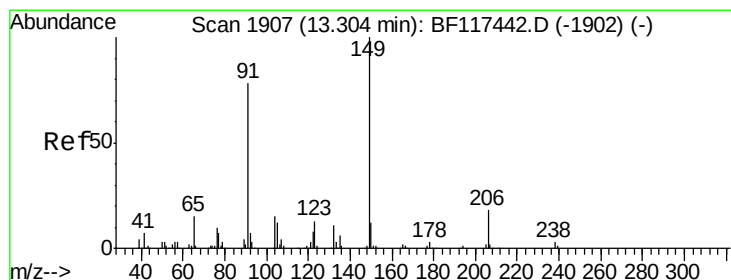
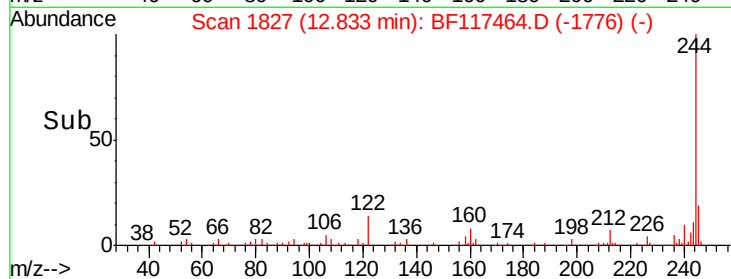
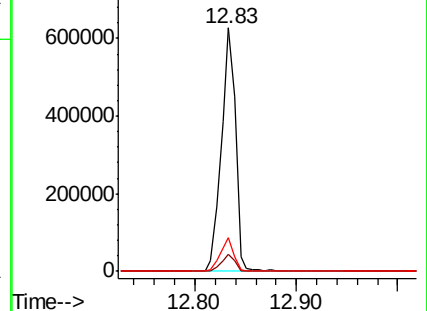
122 13.7 11.8 17.8



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: 27.286 ng

RT: 13.30 min Scan# 1907

Delta R.T. -0.00 min

Lab File: BF117464.D

Acq: 21 Oct 2019 22:55

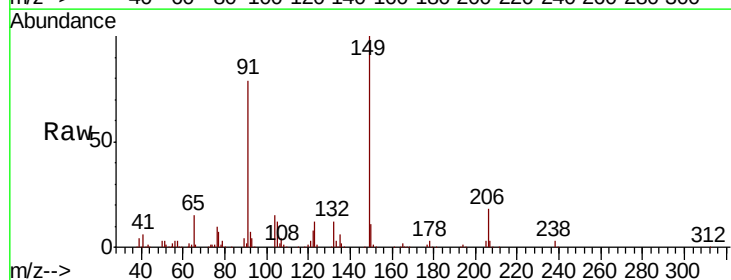
Tgt Ion:149 Resp: 224313

Ion Ratio Lower Upper

149 100

91 78.6 62.1 93.1

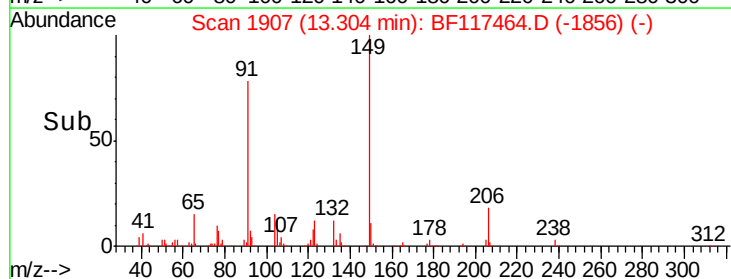
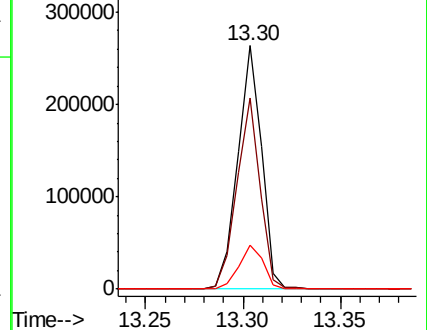
206 18.1 14.3 21.5

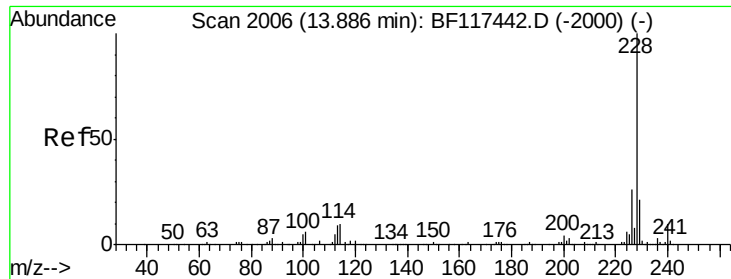


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

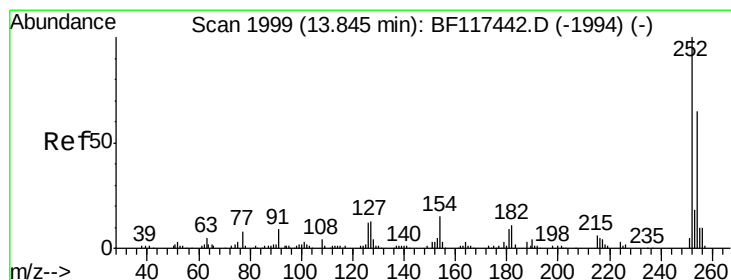
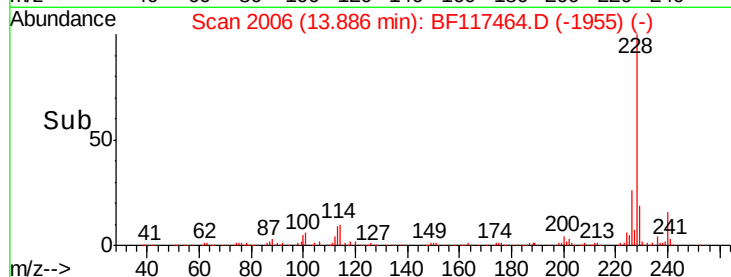
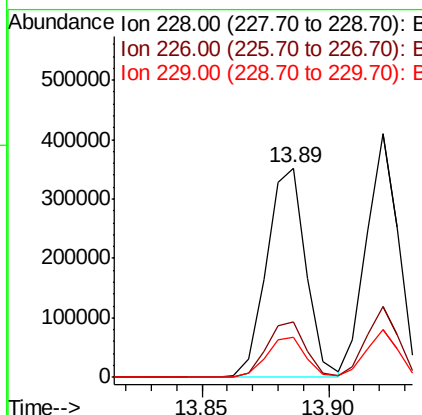
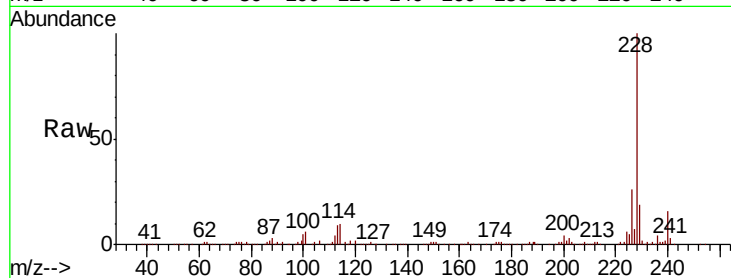




#81
Benzo(a)anthracene
Concen: 29.293 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

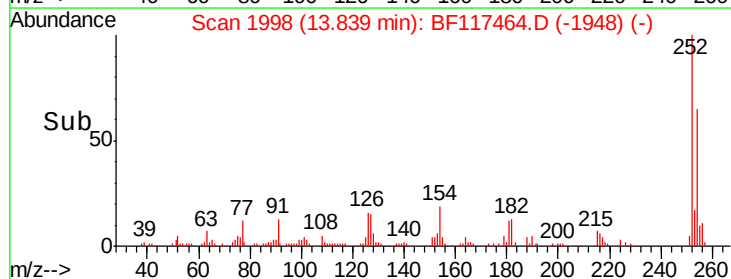
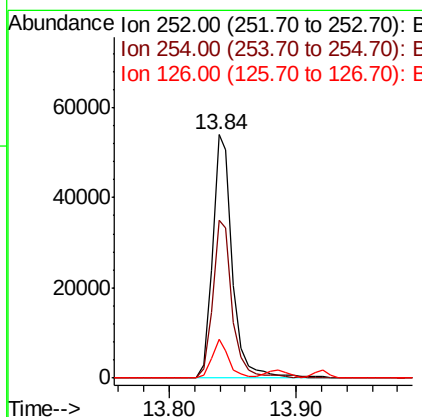
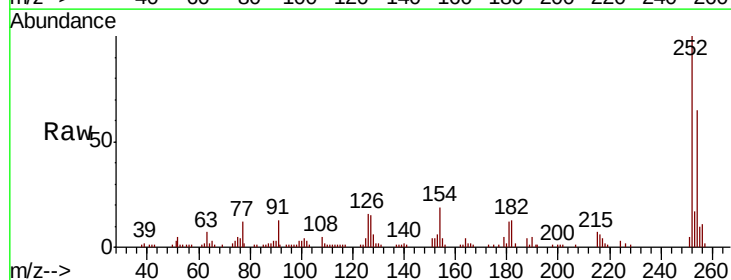
Instrument :
BNA_F
ClientSampled :

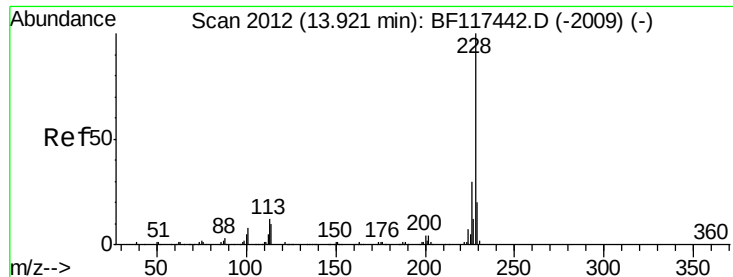
Tot Ion:228 Resp: 380030
Ion Ratio Lower Upper
228 100
226 26.4 21.0 31.4
229 19.3 16.4 24.6



#82
3,3'-Dichlorobenzidine
Concen: 14.608 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Tgt Ion:252 Resp: 59471
Ion Ratio Lower Upper
252 100
254 64.9 52.2 78.4
126 15.8 9.2 13.8#

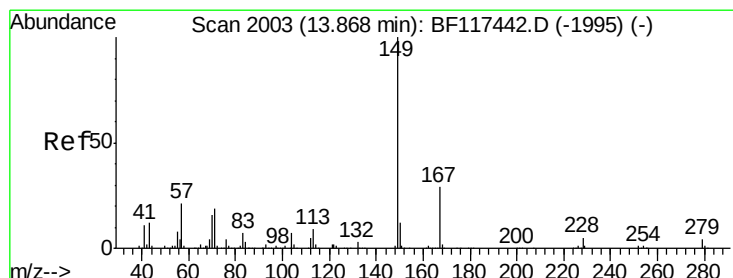
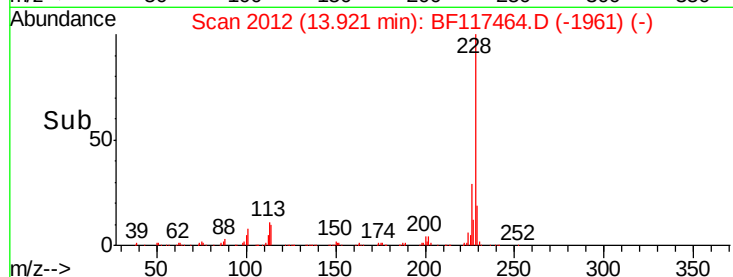
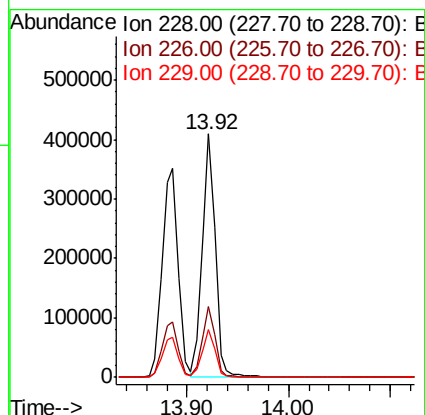
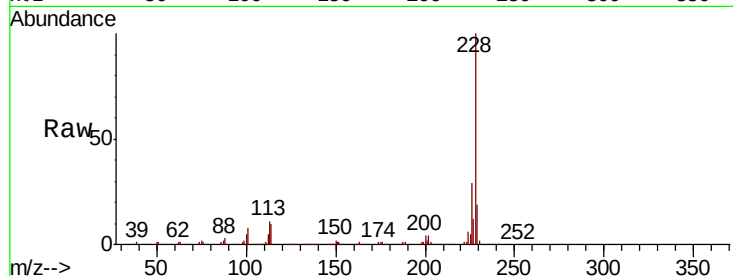




#83
Chrysene
Concen: 29.152 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

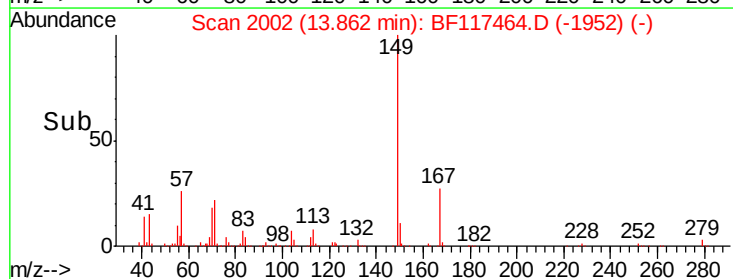
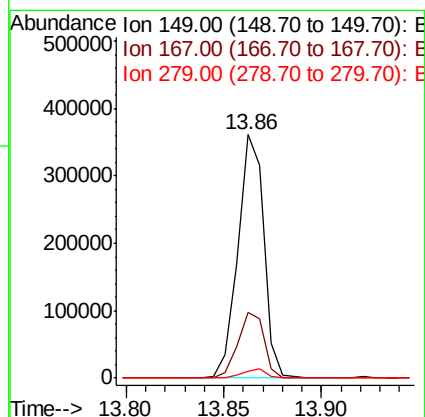
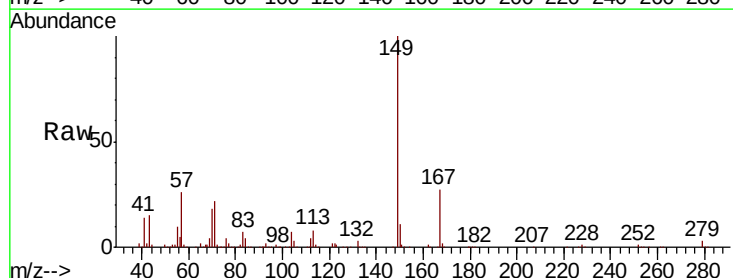
Instrument :
BNA_F
ClientSampled :

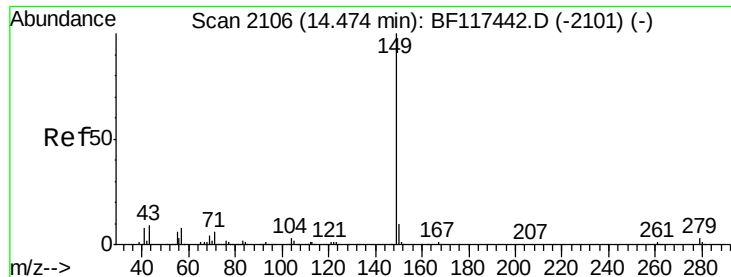
Tot Ion:228 Resp: 370662
Ion Ratio Lower Upper
228 100
226 29.2 23.9 35.9
229 19.4 15.8 23.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 29.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Tgt Ion:149 Resp: 333963
Ion Ratio Lower Upper
149 100
167 26.9 23.3 34.9
279 2.9 3.2 4.8#

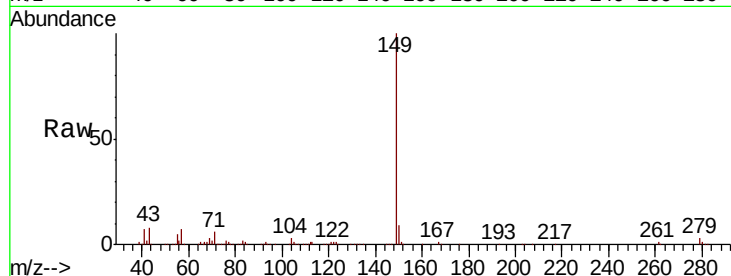




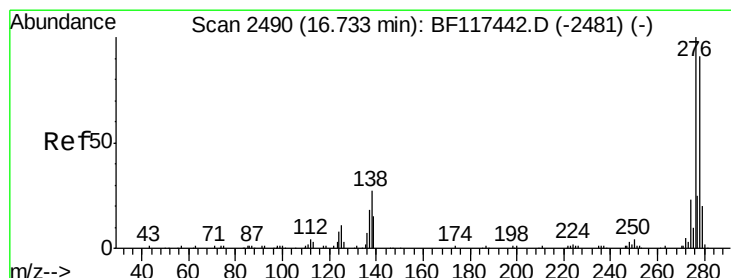
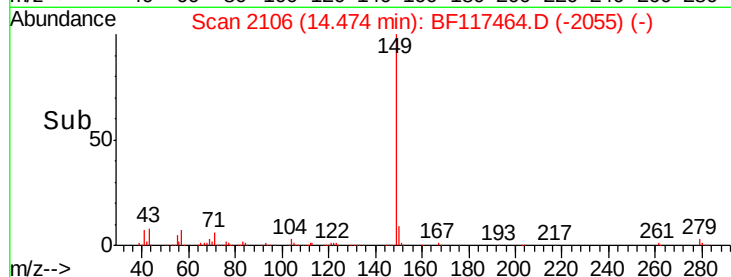
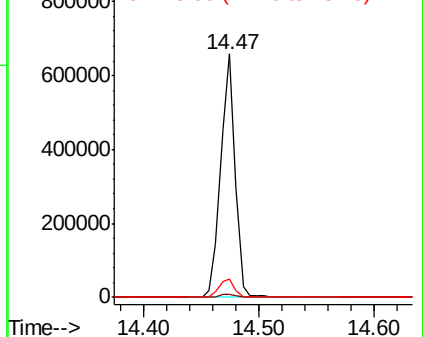
#85
Di-n-octyl phthalate
Concen: 32.452 ng
RT: 14.47 min Scan# 2106
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	8.0	6.8	10.2

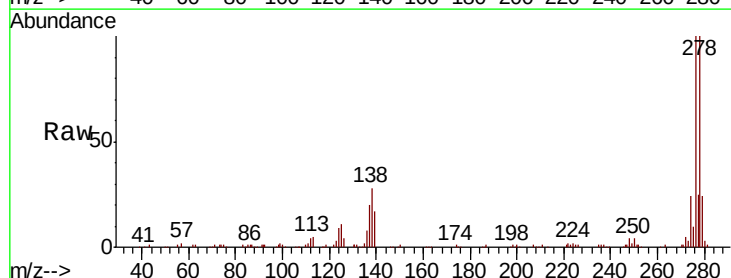


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

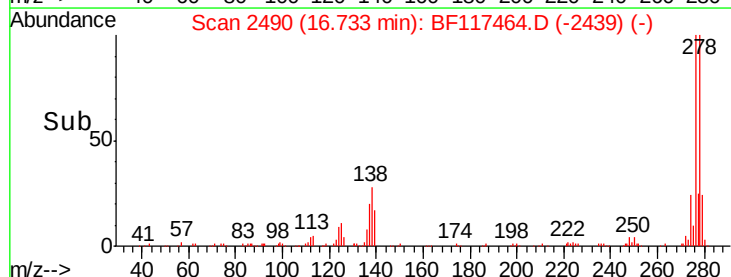
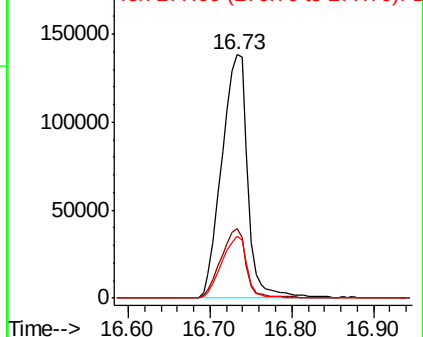


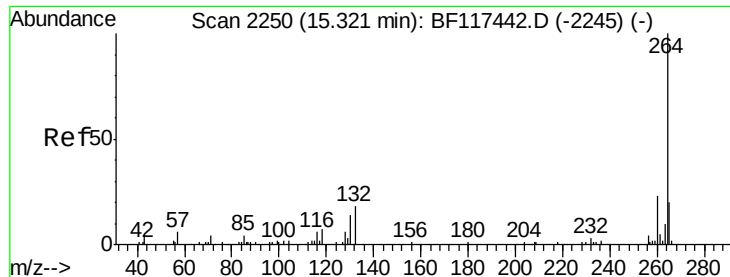
#86
Indeno(1,2,3-cd)pyrene
Concen: 32.446 ng
RT: 16.73 min Scan# 2490
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.4	21.8	32.8
277	24.7	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



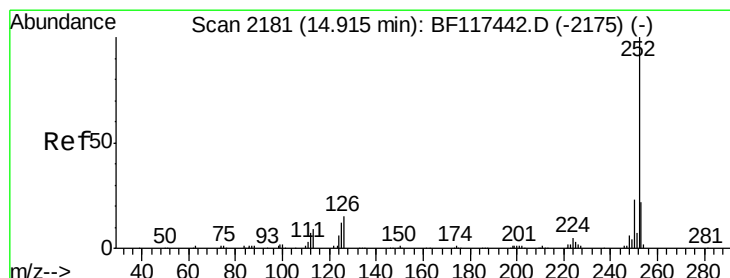
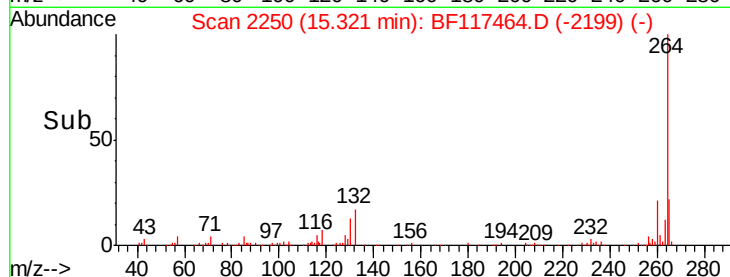
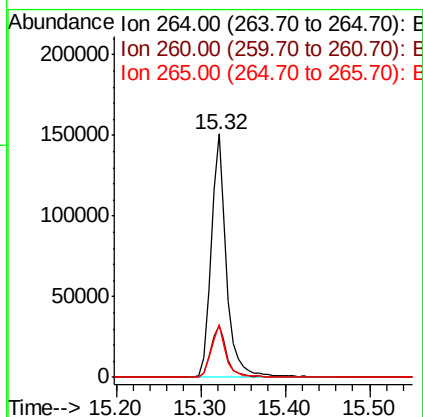
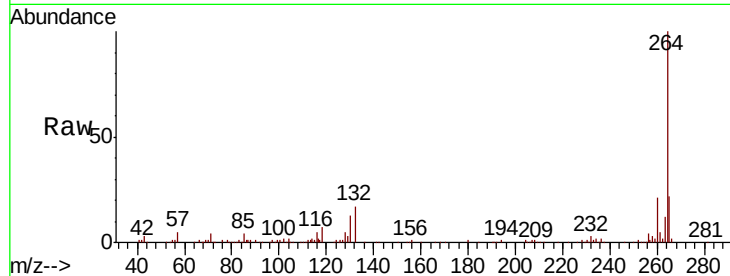


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 194270

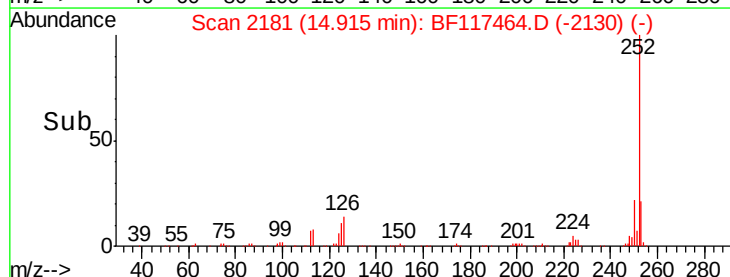
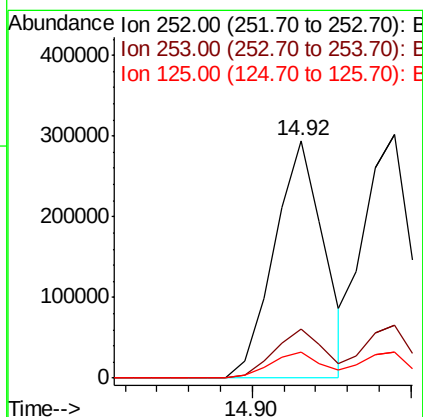
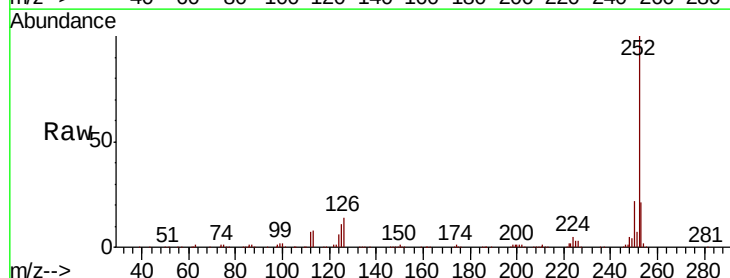
Ion	Ratio	Lower	Upper
264	100		
260	21.1	18.4	27.6
265	21.6	16.1	24.1

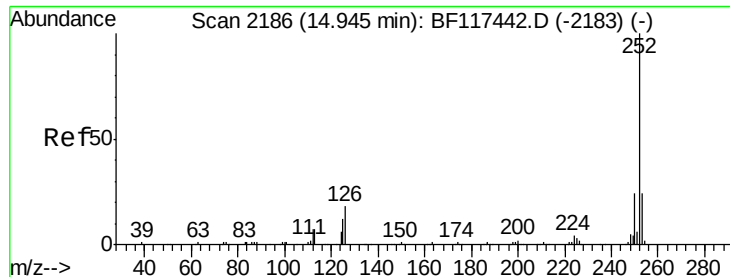


#88
Benzo(b)fluoranthene
Concen: 27.982 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Tgt Ion:252 Resp: 321009

Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.8	26.6
125	10.8	9.9	14.9

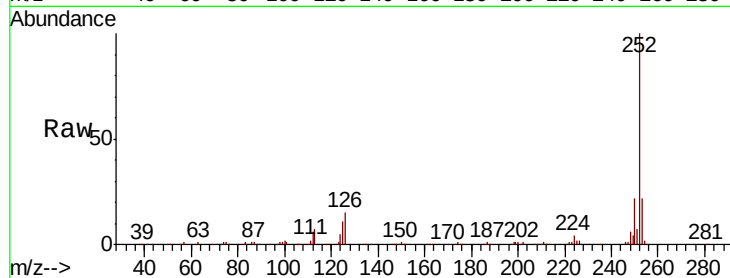




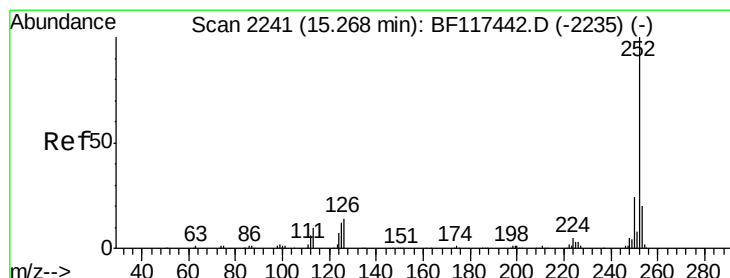
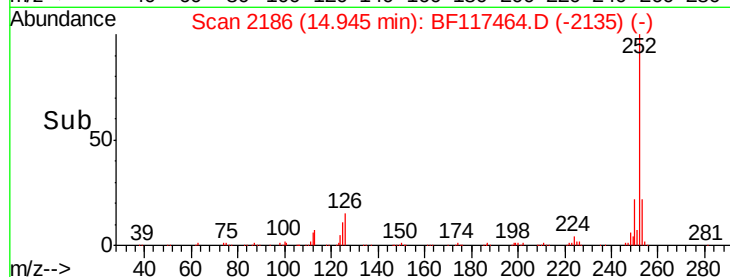
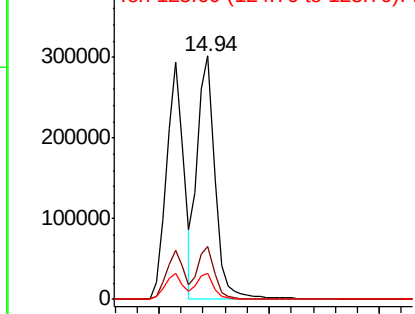
#89
Benzo(k)fluoranthene
Concen: 28.157 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 331073
Ion Ratio Lower Upper
252 100
253 21.7 18.0 27.0
125 10.8 8.9 13.3

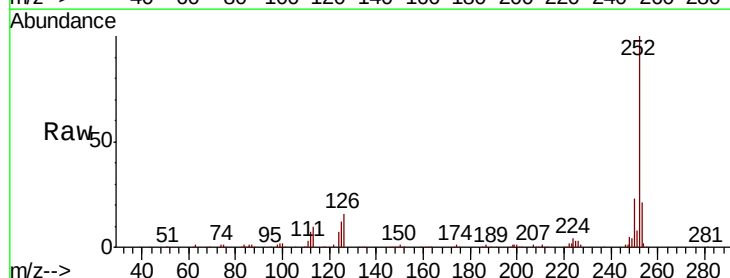


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

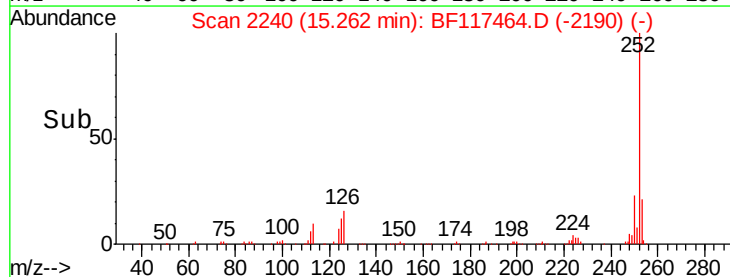
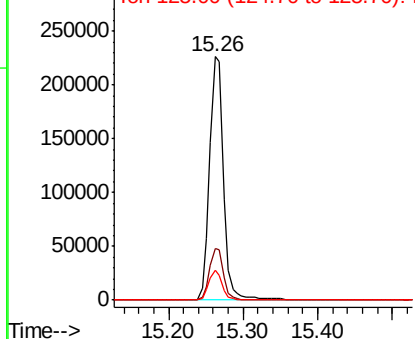


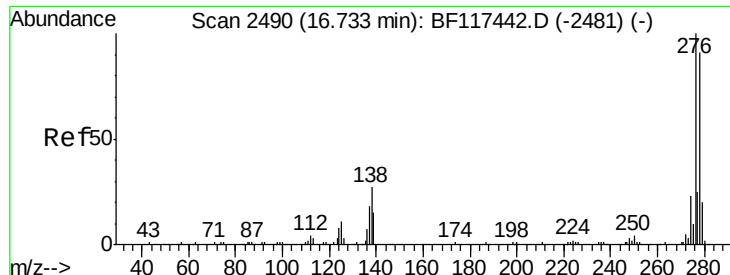
#90
Benzo(a)pyrene
Concen: 28.060 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Tgt Ion:252 Resp: 292670
Ion Ratio Lower Upper
252 100
253 21.0 16.3 24.5
125 12.3 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

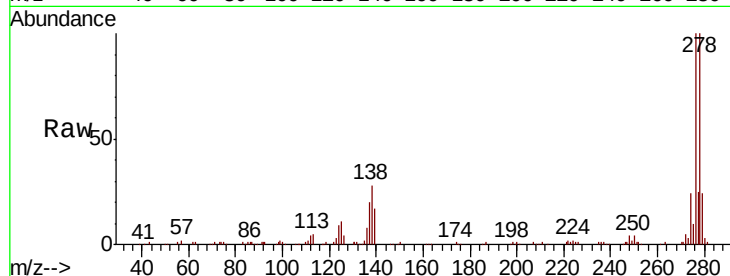




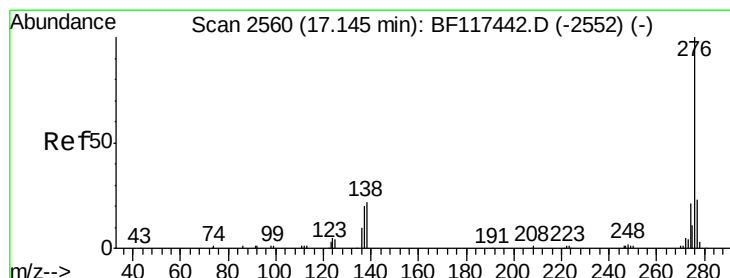
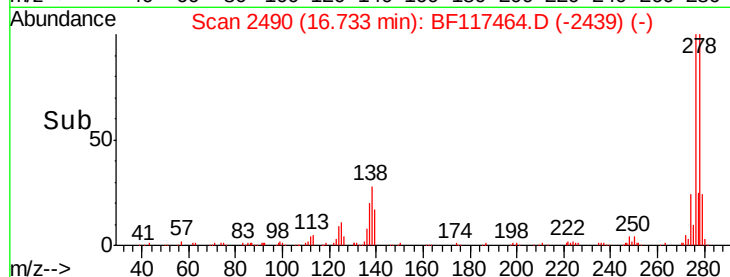
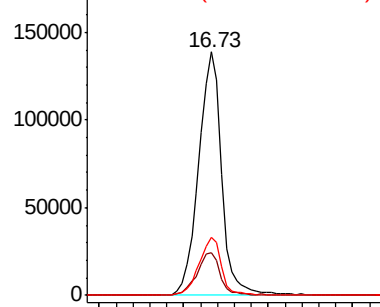
#91
Dibenzo(a,h)anthracene
Concen: 28.933 ng
RT: 16.73 min Scan# 2490
Delta R.T. -0.00 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.3	13.4	20.0
279	23.8	17.8	26.6

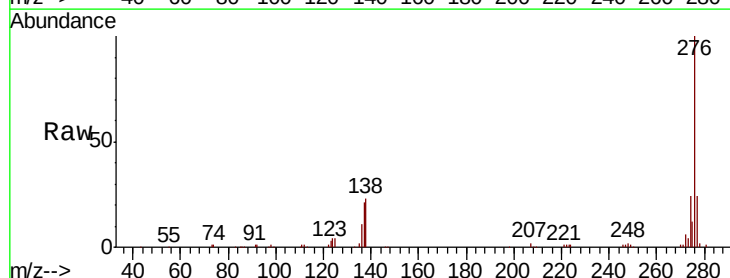


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 29.085 ng
RT: 17.15 min Scan# 2561
Delta R.T. 0.01 min
Lab File: BF117464.D
Acq: 21 Oct 2019 22:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.4	27.6
138	22.6	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

