

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
 Data File : BF117102.D
 Acq On : 17 Sep 2019 13:17
 Operator : HP/JU
 Sample : K4887-03MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

Quant Time: Sep 17 17:53:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	62153	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	245469	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	127934	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	208693	20.00	ng	0.00
76) Chrysene-d12	13.97	240	139868	20.00	ng	0.00
87) Perylene-d12	15.42	264	129641	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	226508	56.90	ng	0.00
7) Phenol-d6	6.46	99	190690	37.06	ng	0.00
23) Nitrobenzene-d5	7.39	82	450429	96.41	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	160328	149.95	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	789816	96.53	ng	0.00
79) Terphenyl-d14	12.92	244	762285	101.87	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.57	88	25958	15.583	ng	# 91
3) Pyridine	3.34	79	50364	11.046	ng	95
4) n-Nitrosodimethylamine	3.25	42	24262	15.506	ng	# 86
6) Aniline	6.49	93	161133	24.325	ng	98
8) 2-Chlorophenol	6.62	128	164797	38.372	ng	96
9) Benzaldehyde	6.37	77	167465	72.910	ng	# 86
10) Phenol	6.47	94	92299	16.273	ng	97
11) bis(2-Chloroethyl)ether	6.56	93	188064	45.115	ng	98
12) 1,3-Dichlorobenzene	6.77	146	184091	38.199	ng	96
13) 1,4-Dichlorobenzene	6.84	146	188157	38.258	ng	99
14) 1,2-Dichlorobenzene	7.00	146	182728	39.906	ng	98
15) Benzyl Alcohol	6.97	79	116049	29.414	ng	100
16) 2,2'-oxybis(1-Chloropropan	7.10	45	178837	43.424	ng	88
17) 2-Methylphenol	7.09	107	111244	30.907	ng	93
18) Hexachloroethane	7.33	117	76901	40.645	ng	97
19) n-Nitroso-di-n-propylamine	7.24	70	153536	49.009	ng	98
20) 3+4-Methylphenols	7.23	107	123732	27.598	ng	# 46
22) Acetophenone	7.23	105	328714	52.707	ng	96
24) Nitrobenzene	7.41	77	226514	49.097	ng	94
25) Isophorone	7.65	82	416995	50.411	ng	100
26) 2-Nitrophenol	7.72	139	107898	54.447	ng	93
27) 2,4-Dimethylphenol	7.76	122	158383	50.399	ng	99
28) bis(2-Chloroethoxy)methane	7.85	93	245871	48.244	ng	99
29) 2,4-Dichlorophenol	7.97	162	160279	48.675	ng	96
30) 1,2,4-Trichlorobenzene	8.05	180	148916	41.860	ng	96
31) Naphthalene	8.13	128	623275	52.795	ng	100
32) Benzoic acid	7.86	122	23424	15.109	ng	94
33) 4-Chloroaniline	8.17	127	170604	32.582	ng	98
34) Hexachlorobutadiene	8.25	225	81136	40.199	ng	97
35) Caprolactam	8.55	113	8641	7.753	ng	91
36) 4-Chloro-3-methylphenol	8.66	107	175247	45.643	ng	99
37) 2-Methylnaphthalene	8.82	142	406950	51.190	ng	99
38) 1-Methylnaphthalene	8.92	142	387118	51.993	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.99	216	151531	45.868	ng	98

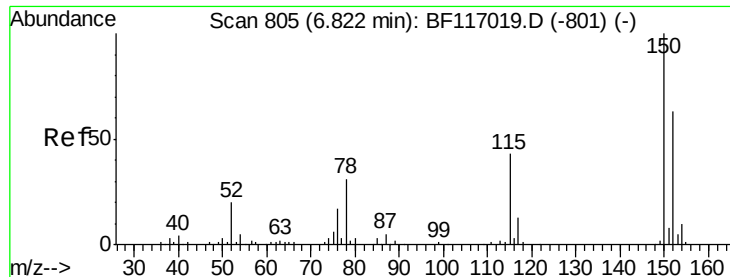
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
 Data File : BF117102.D
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 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	112968	77.620	nq	100
43) 2,4,6-Trichlorophenol	9.10	196	108122	48.227	nq	98
44) 2,4,5-Trichlorophenol	9.14	196	120158	50.164	nq	97
46) 1,1'-Biphenyl	9.28	154	474971	47.331	nq	98
47) 2-Chloronaphthalene	9.30	162	370438	46.773	nq	100
48) 2-Nitroaniline	9.40	65	127992	50.385	nq	94
49) Acenaphthylene	9.72	152	587433	49.512	nq	99
50) Dimethylphthalate	9.57	163	457776	50.536	nq	100
51) 2,6-Dinitrotoluene	9.64	165	99705	54.044	nq	89
52) Acenaphthene	9.89	154	341781	48.596	nq	99
53) 3-Nitroaniline	9.81	138	75216	32.313	nq	99
54) 2,4-Dinitrophenol	9.93	184	75075	92.611	nq	93
55) Dibenzofuran	10.06	168	518502	49.968	nq	98
56) 4-Nitrophenol	9.98	139	41832	27.729	nq	96
57) 2,4-Dinitrotoluene	10.05	165	134806	56.292	nq	96
58) Fluorene	10.40	166	428394	51.251	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.18	232	94326	51.460	nq	98
60) Diethylphthalate	10.27	149	454459	50.995	nq	99
61) 4-Chlorophenyl-phenylether	10.39	204	181294	50.129	nq	97
62) 4-Nitroaniline	10.42	138	111388	46.015	nq	92
63) Azobenzene	10.55	77	462139	50.774	nq	99
65) 4,6-Dinitro-2-methylphenol	10.46	198	54592	56.058	nq	83
66) n-Nitrosodiphenylamine	10.51	169	372020	51.616	nq	99
67) 4-Bromophenyl-phenylether	10.88	248	106396	49.922	nq	98
68) Hexachlorobenzene	10.96	284	110009	47.192	nq	97
69) Atrazine	11.04	200	99791	61.437	nq	99
70) Pentachlorophenol	11.15	266	112501	102.958	nq	99
71) Phenanthrene	11.36	178	608817	51.361	nq	99
72) Anthracene	11.42	178	637315	52.663	nq	98
73) Carbazole	11.57	167	594657	51.768	nq	99
74) Di-n-butylphthalate	11.89	149	709719	51.929	nq	99
75) Fluoranthene	12.55	202	615987	50.575	nq	97
77) Benzidine	12.67	184	196636	43.643	nq	99
78) Pyrene	12.77	202	627276	53.449	nq	100
80) Butylbenzylphthalate	13.39	149	289225	52.155	nq	96
81) Benzo(a)anthracene	13.96	228	465010	49.762	nq	99
82) 3,3'-Dichlorobenzidine	13.92	252	126127	41.885	nq	96
83) Chrysene	14.00	228	463175	50.819	nq	100
84) Bis(2-ethylhexyl)phthalate	13.94	149	394733	55.207	nq	98
85) Di-n-octyl phthalate	14.55	149	605311	53.788	nq	99
86) Indeno(1,2,3-cd)pyrene	16.87	276	408653	61.458	nq	98
88) Benzo(b)fluoranthene	15.00	252	371349	47.289	nq	98
89) Benzo(k)fluoranthene	15.03	252	381486	51.283	nq	98
90) Benzo(a)pyrene	15.36	252	359301	52.141	nq	98
91) Dibenzo(a,h)anthracene	16.88	278	343066	62.494	nq	98
92) Benzo(g,h,i)perylene	17.30	276	337609	61.716	nq	98

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

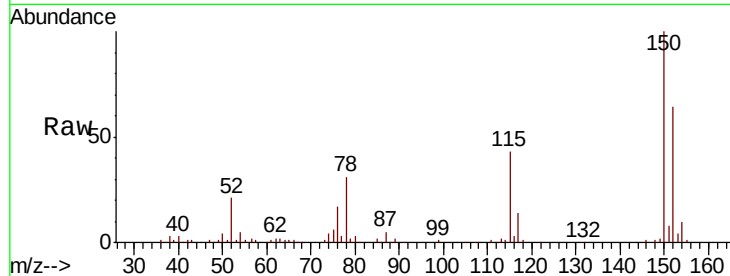


#1

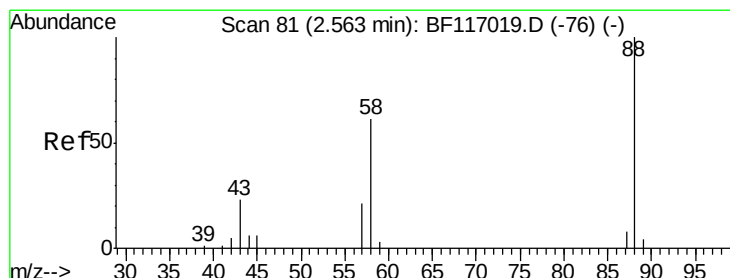
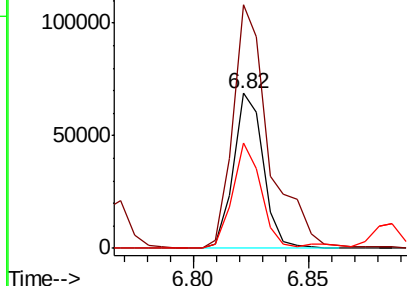
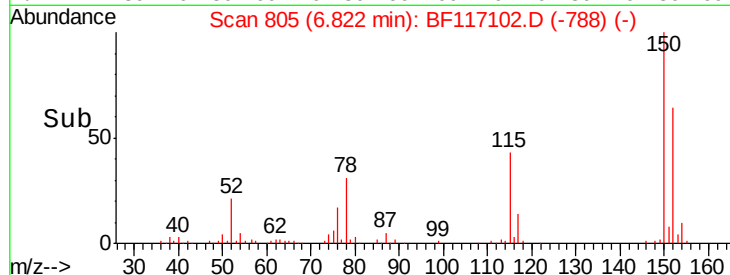
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

Tot Ion:152 Resp: 62153
Ion Ratio Lower Upper
152 100
150 157.1 127.5 191.3
115 68.2 55.0 82.4



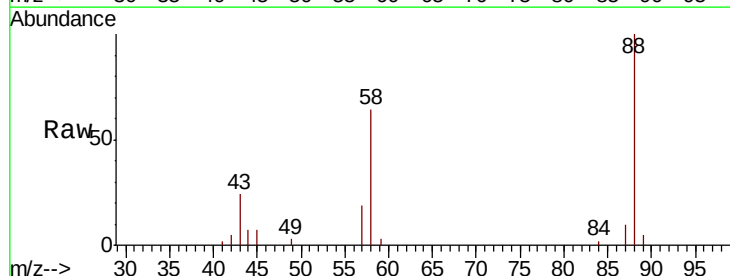
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



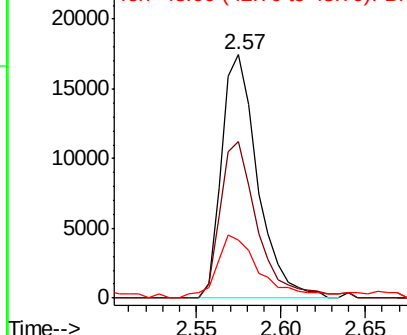
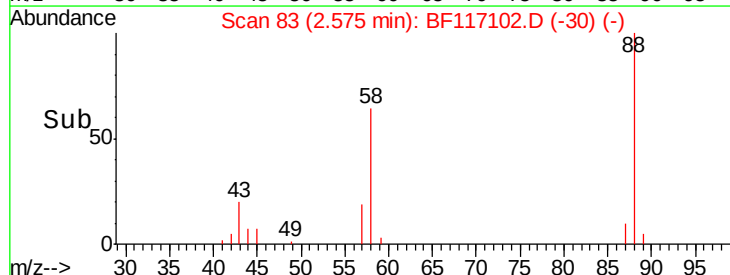
#2

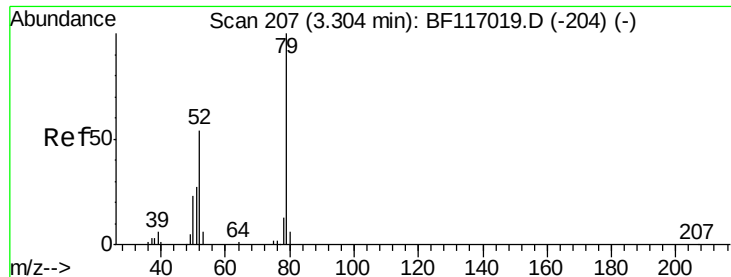
1,4-Dioxane
Concen: 15.583 ng
RT: 2.57 min Scan# 83
Delta R.T. 0.01 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion: 88 Resp: 25958
Ion Ratio Lower Upper
88 100
58 66.8 49.3 73.9
43 31.1 18.8 28.2#



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: 11.046 ng

RT: 3.34 min Scan# 213

Delta R.T. 0.04 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

Z2-0157MSD

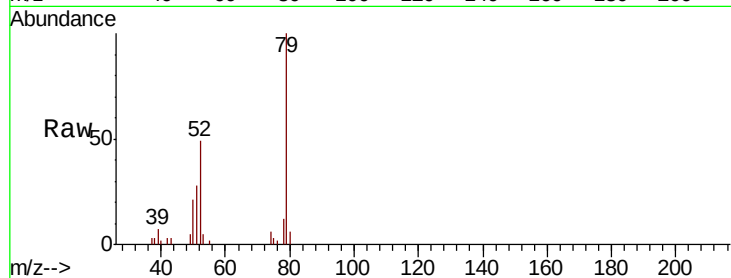
Tot Ion: 79 Resp: 50364

Ion Ratio Lower Upper

79 100

52 49.0 43.5 65.3

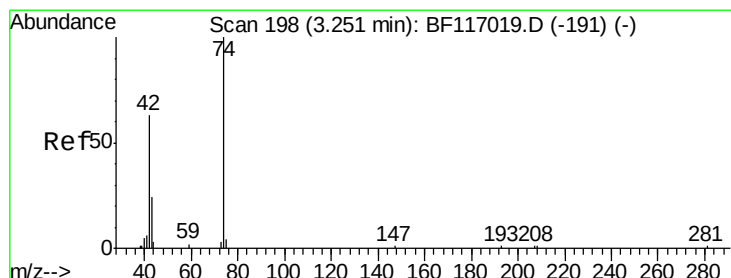
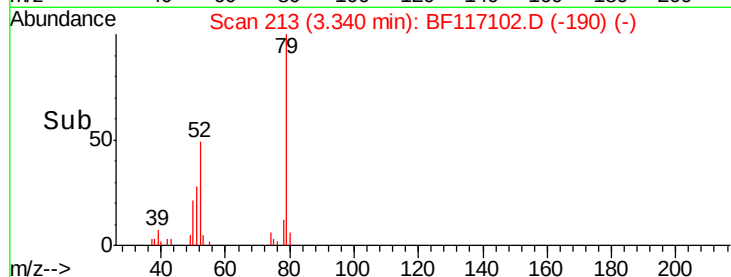
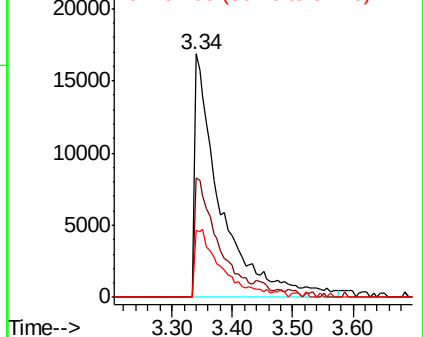
51 27.6 21.8 32.6



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 15.506 ng

RT: 3.25 min Scan# 198

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

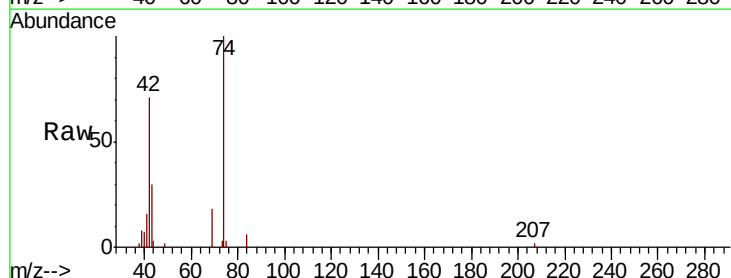
Tgt Ion: 42 Resp: 24262

Ion Ratio Lower Upper

42 100

74 140.4 127.1 190.7

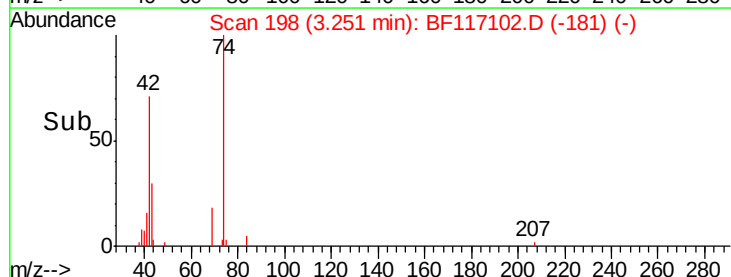
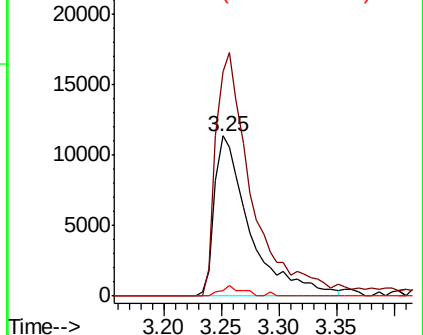
44 3.7 4.3 6.5#

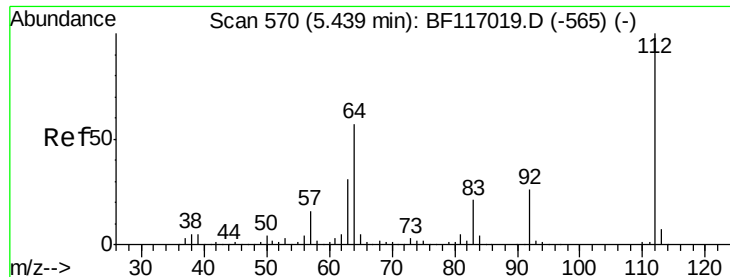


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 56.898 ng

RT: 5.45 min Scan# 571

Delta R.T. 0.01 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

Z2-0157MSD

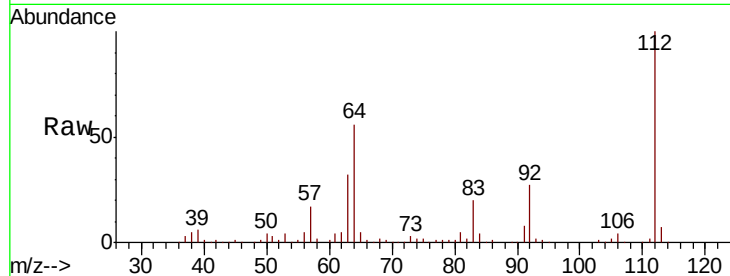
Tot Ion:112 Resp: 226508

Ion Ratio Lower Upper

112 100

64 56.4 45.7 68.5

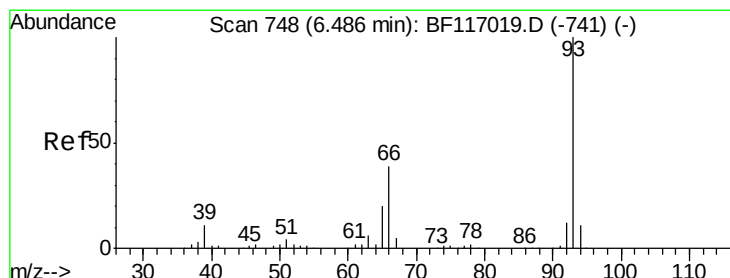
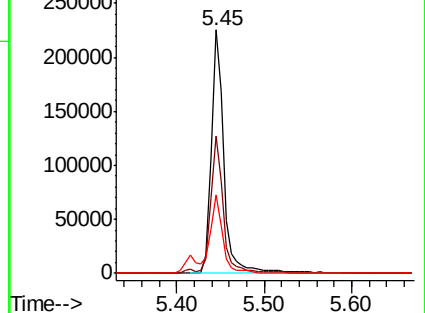
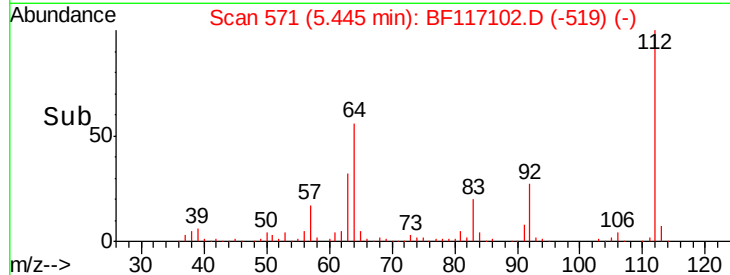
63 32.4 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 24.325 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

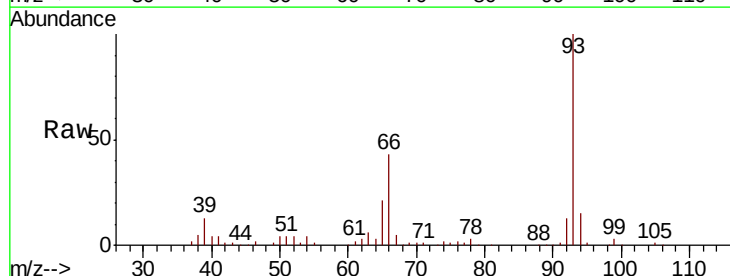
Tgt Ion: 93 Resp: 161133

Ion Ratio Lower Upper

93 100

66 42.6 32.6 49.0

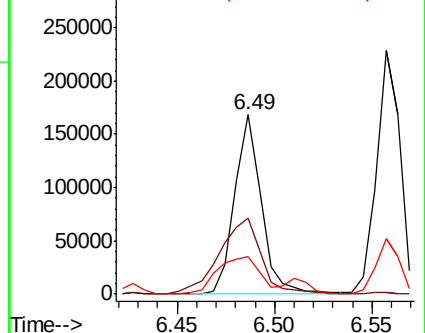
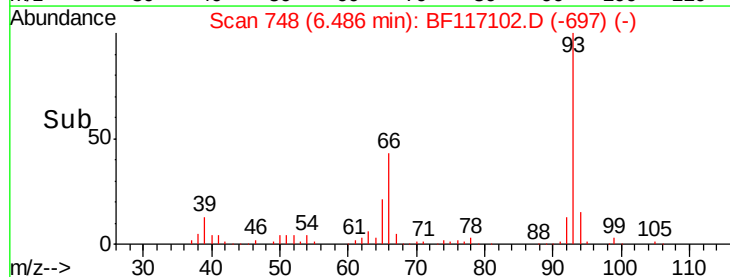
65 21.1 16.7 25.1

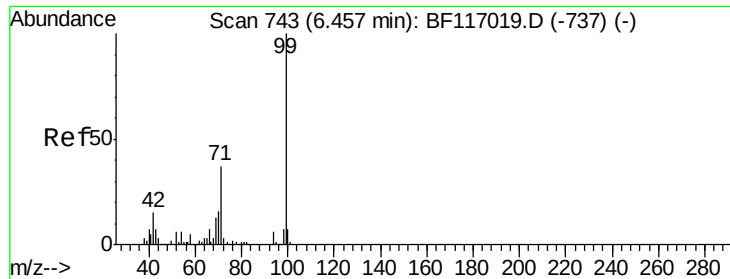


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 37.064 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

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BNA_F

ClientSampleId :

Z2-0157MSD

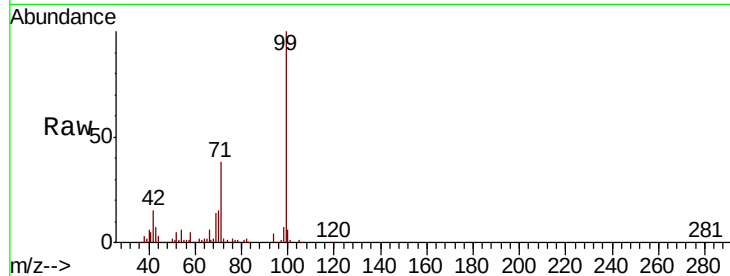
Tot Ion: 99 Resp: 190690

Ion Ratio Lower Upper

99 100

42 14.9 12.2 18.2

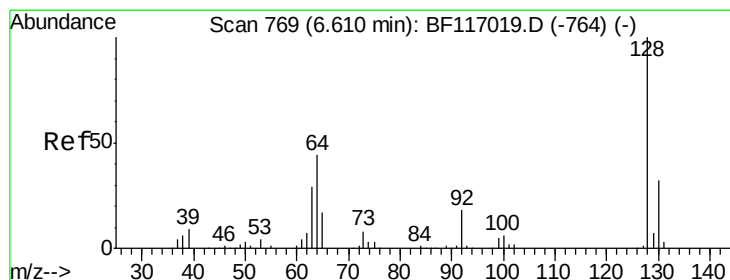
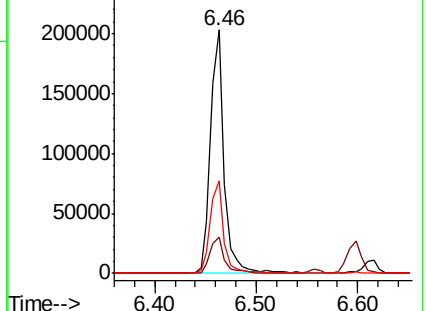
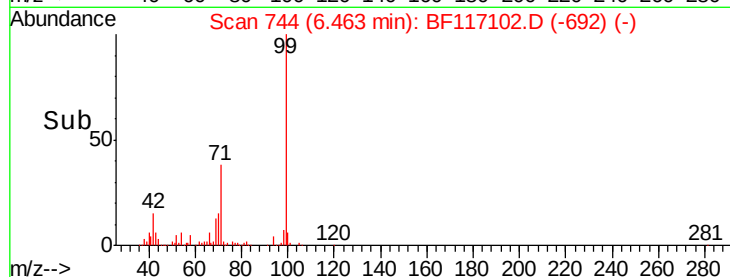
71 38.0 29.8 44.8



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: 38.372 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.01 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

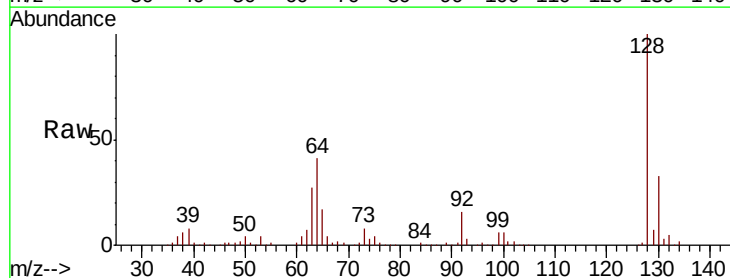
Tgt Ion: 128 Resp: 164797

Ion Ratio Lower Upper

128 100

130 32.7 11.8 51.8

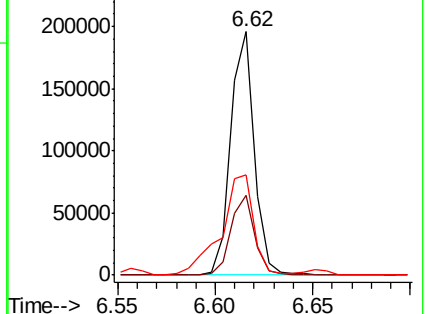
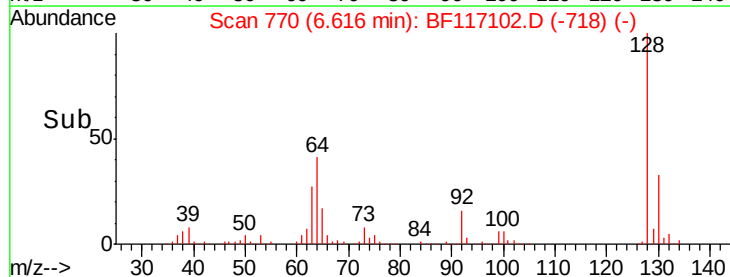
64 41.1 25.0 65.0

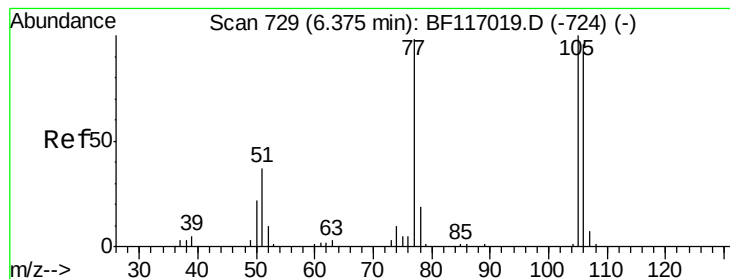


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 72.910 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

Z2-0157MSD

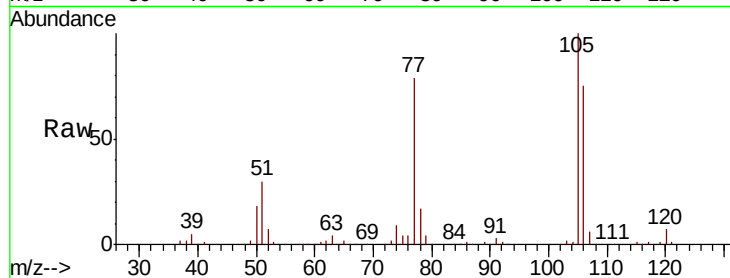
Tot Ion: 77 Resp: 167465

Ion Ratio Lower Upper

77 100

105 125.9 81.8 121.8#

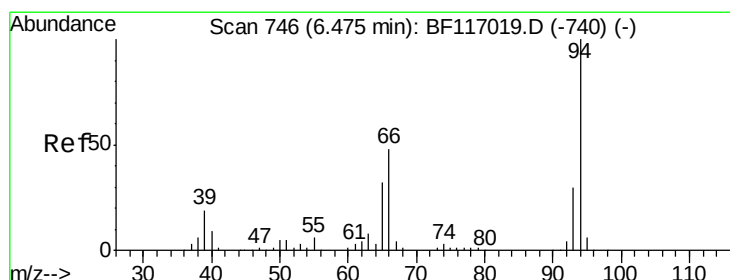
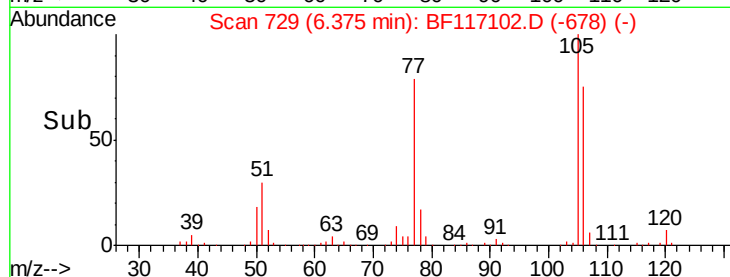
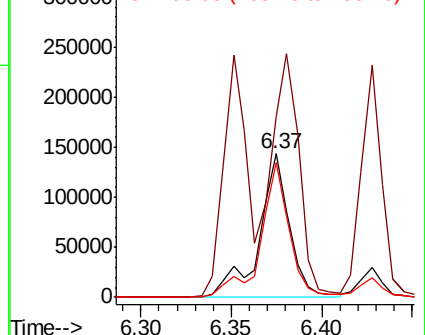
106 94.1 77.3 117.3



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: 16.273 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

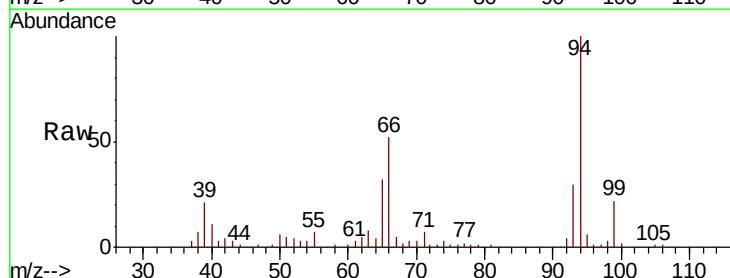
Tgt Ion: 94 Resp: 92299

Ion Ratio Lower Upper

94 100

65 31.8 12.5 52.5

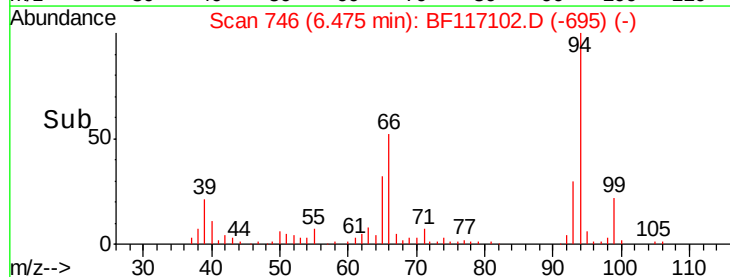
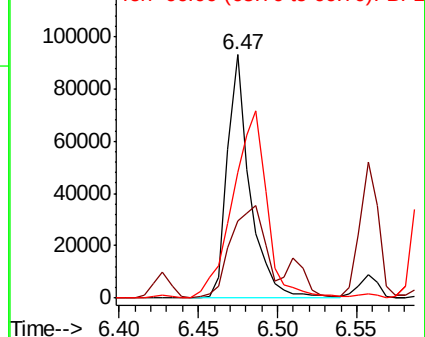
66 51.7 28.9 68.9

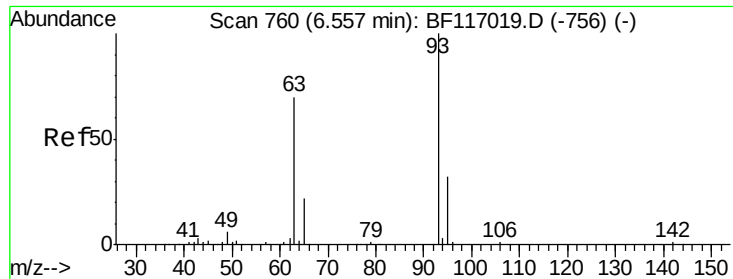


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

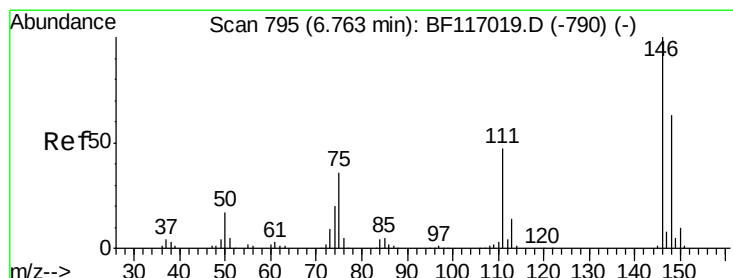
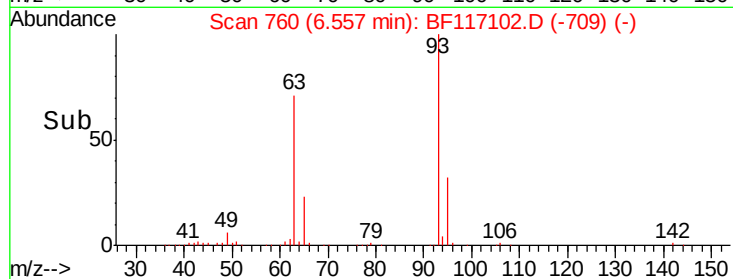
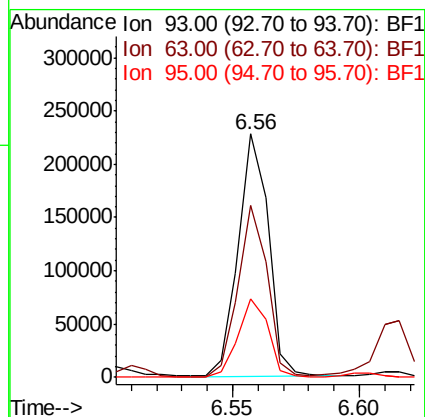
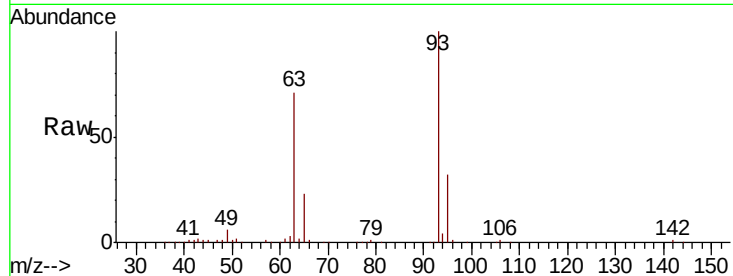




#11
bis(2-Chloroethyl)ether
Concen: 45.115 ng
RT: 6.56 min Scan# 760
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

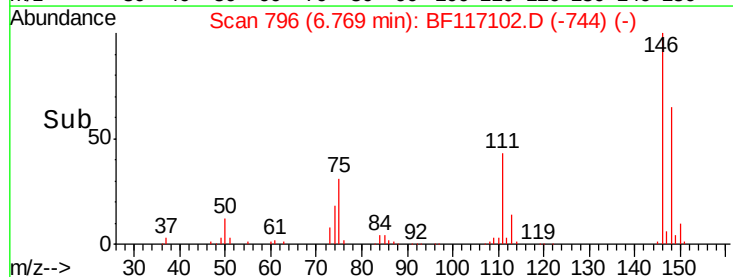
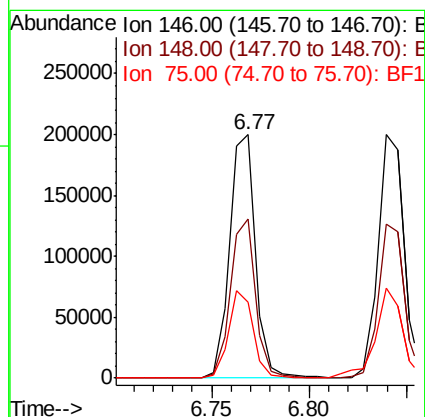
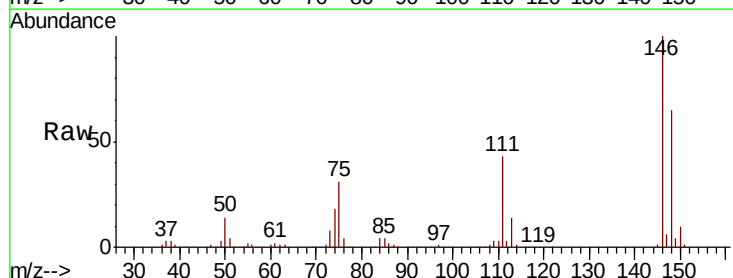
Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

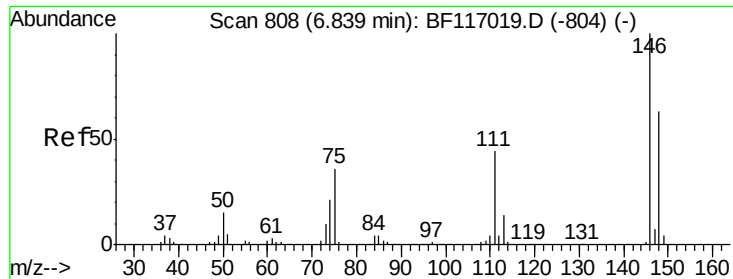
Tot Ion	Ratio	Lower	Upper
93	100		
63	70.8	49.3	89.3
95	32.3	11.5	51.5



#12
1,3-Dichlorobenzene
Concen: 38.199 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.4	50.8	76.2
75	31.4	28.7	43.1

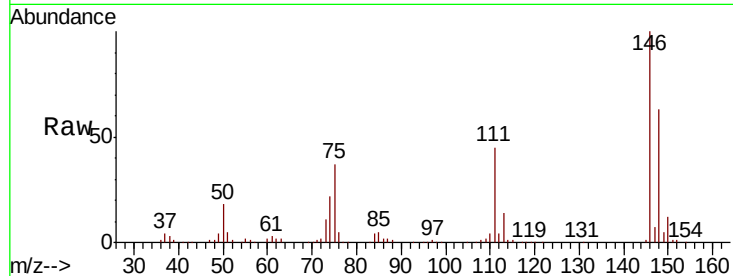




#13
 1,4-Dichlorobenzene
 Concen: 38.258 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.6	76.0
111	45.4	35.0	52.6

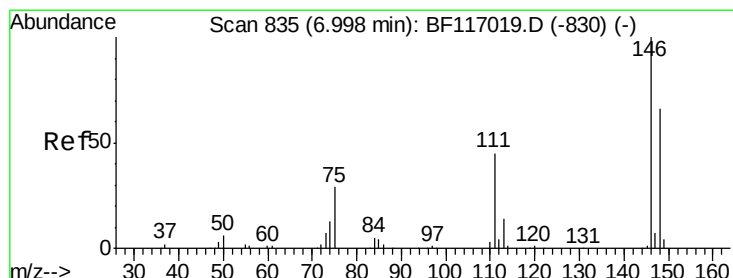
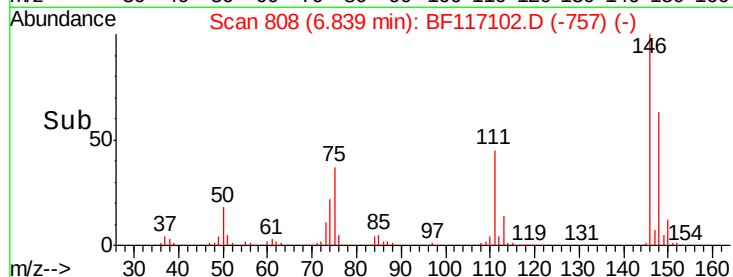
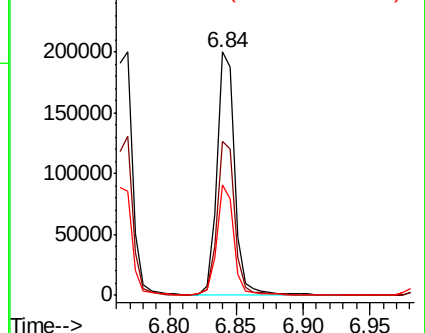


Abundance

Ion 146.00 (145.70 to 146.70): E

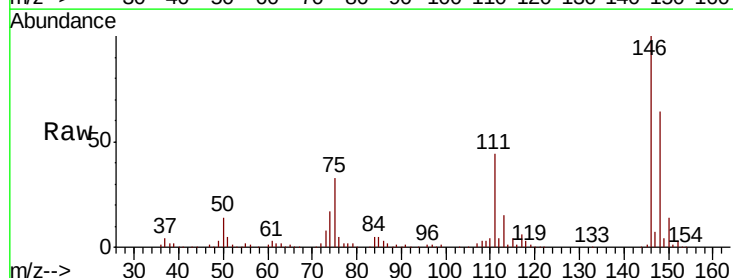
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
 1,2-Dichlorobenzene
 Concen: 39.906 ng
 RT: 7.00 min Scan# 835
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.1	52.6	78.8
111	44.3	36.2	54.2

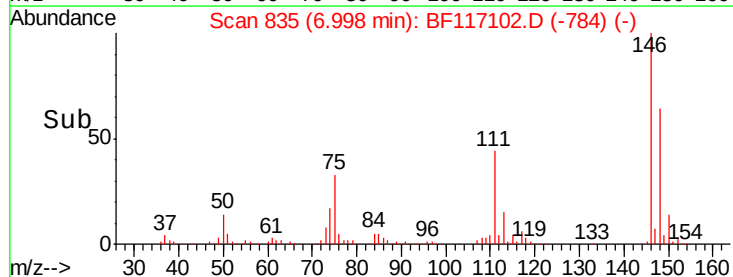
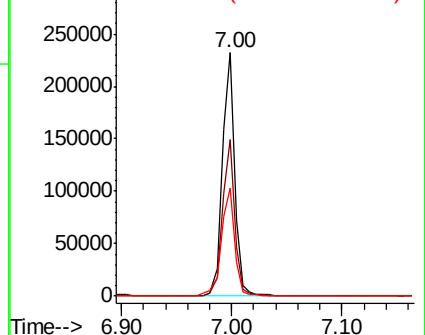


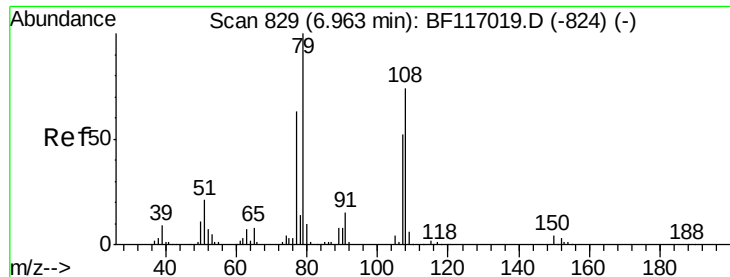
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 29.414 ng

RT: 6.97 min Scan# 830

Delta R.T. 0.01 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

Z2-0157MSD

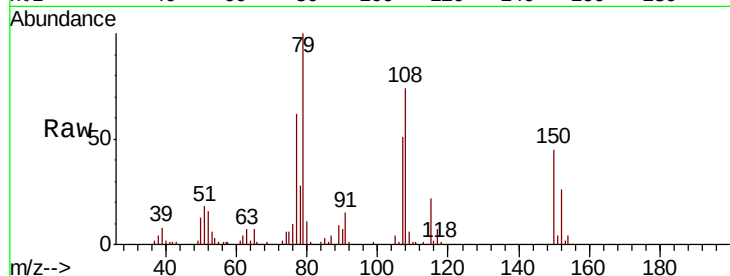
Tot Ion: 79 Resp: 116049

Ion Ratio Lower Upper

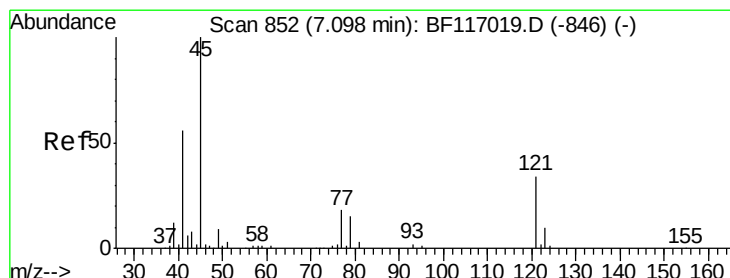
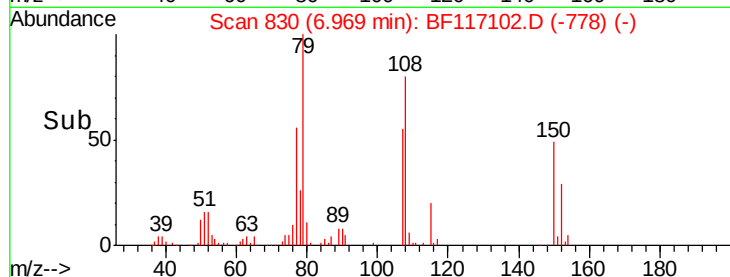
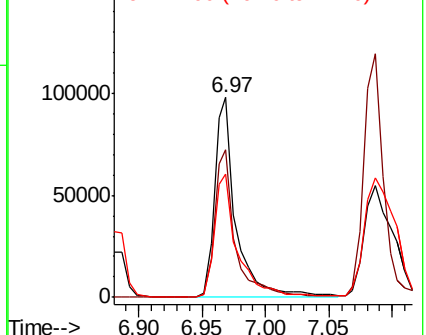
79 100

108 74.2 59.4 89.0

77 62.0 50.2 75.2



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



#16

2,2'-oxybis(1-chloropropane)

Concen: 43.424 ng

RT: 7.10 min Scan# 852

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

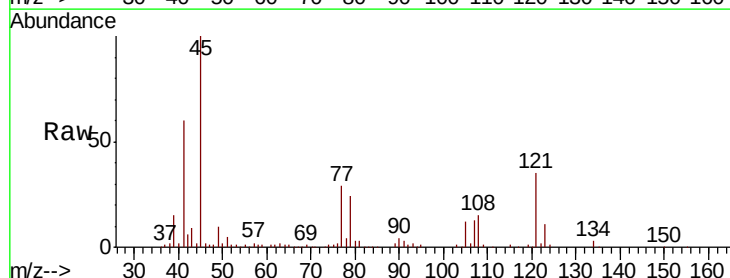
Tgt Ion: 45 Resp: 178837

Ion Ratio Lower Upper

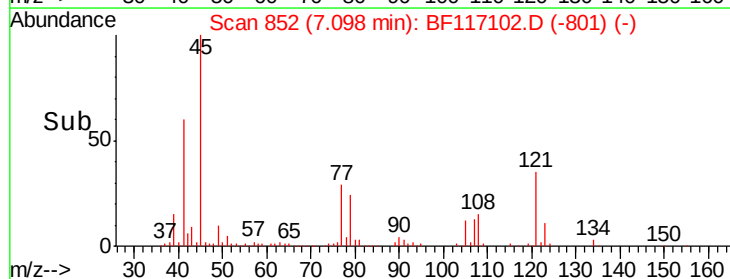
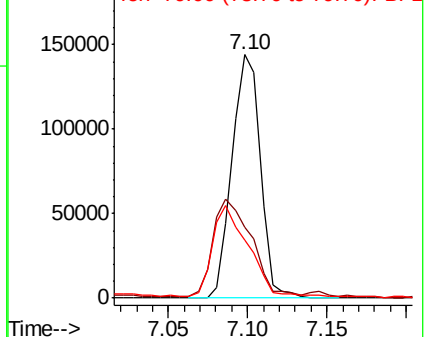
45 100

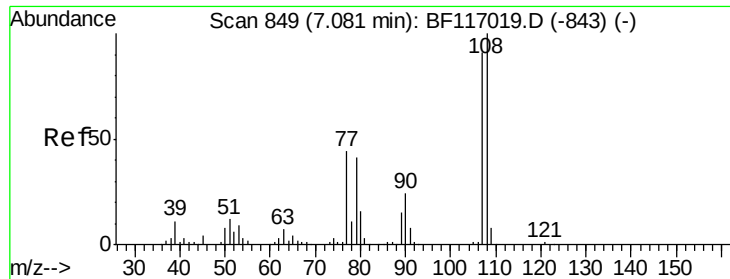
77 29.3 2.7 42.7

79 23.7 0.0 38.9



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

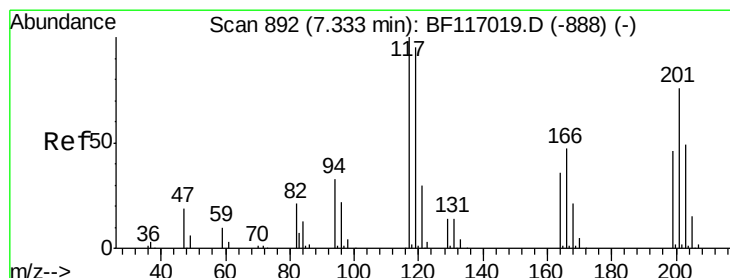
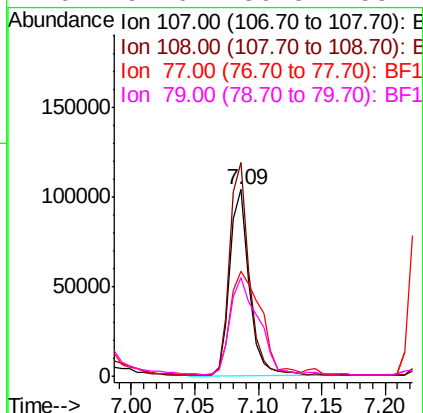
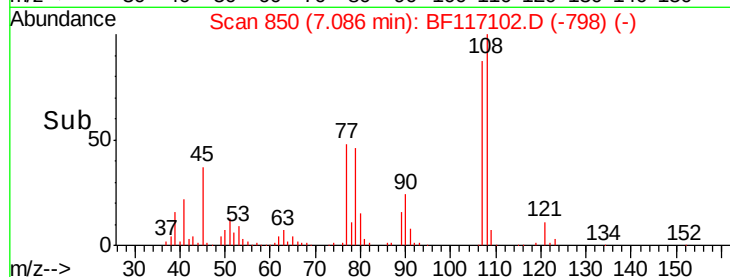
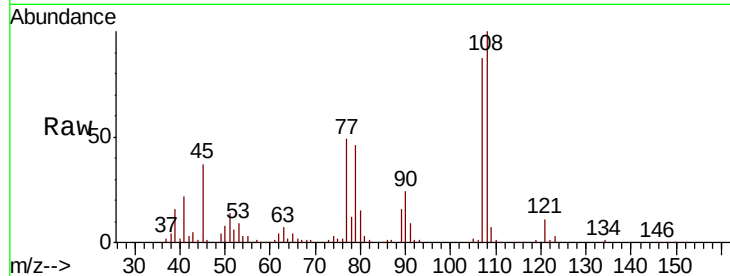




#17
2-Methylphenol
Concen: 30.907 ng
RT: 7.09 min Scan# 850
Delta R.T. 0.01 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

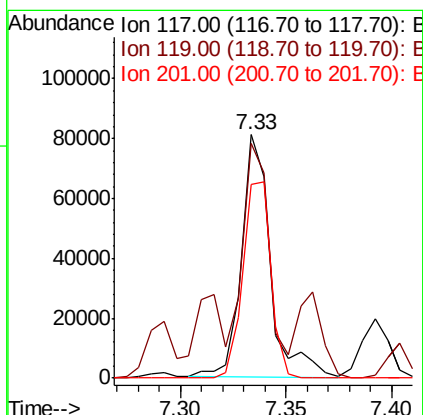
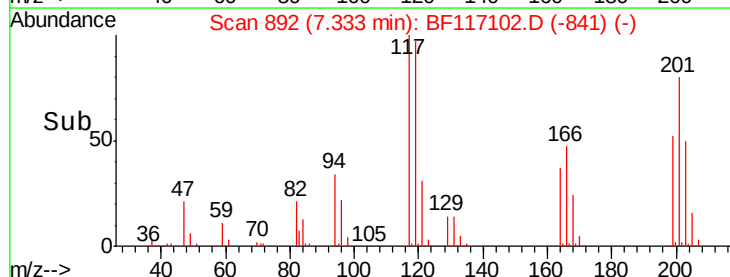
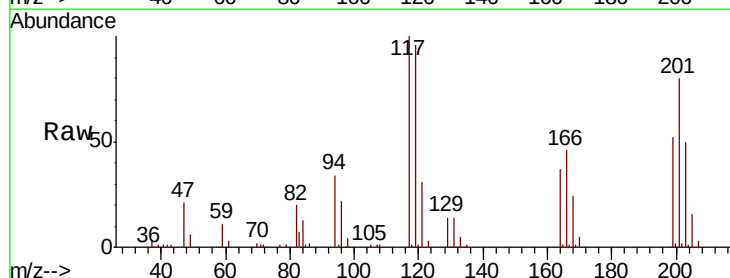
Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

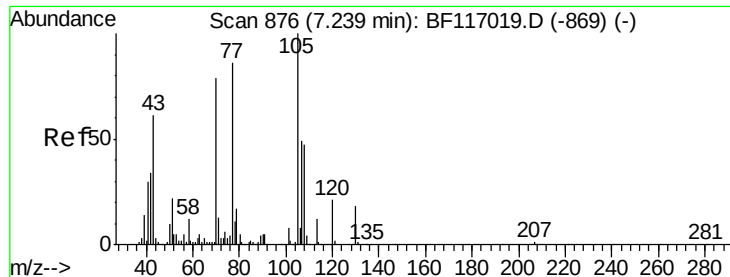
Tot Ion:107 Resp: 111244
Ion Ratio Lower Upper
107 100
108 114.3 87.7 131.5
77 56.0 38.6 58.0
79 52.6 36.8 55.2



#18
Hexachloroethane
Concen: 40.645 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion:117 Resp: 76901
Ion Ratio Lower Upper
117 100
119 96.5 75.8 113.8
201 79.8 60.9 91.3

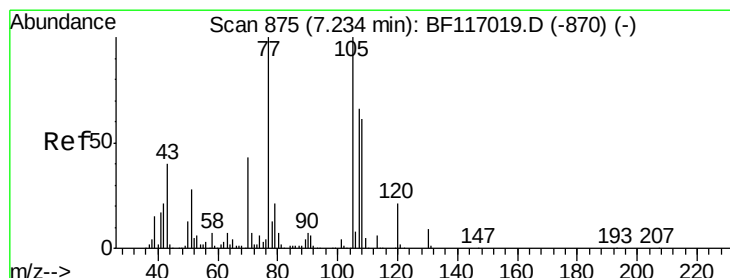
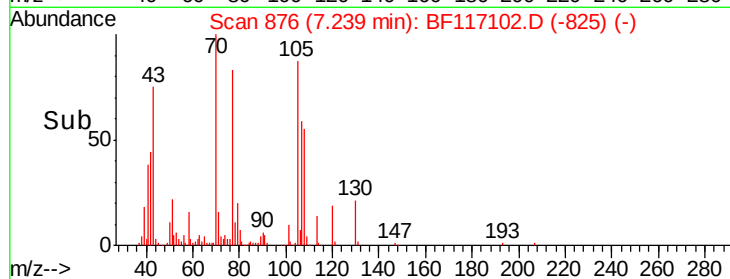
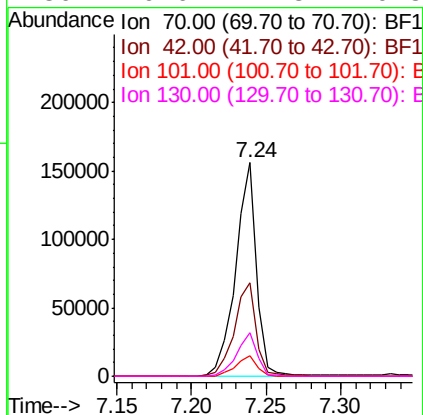
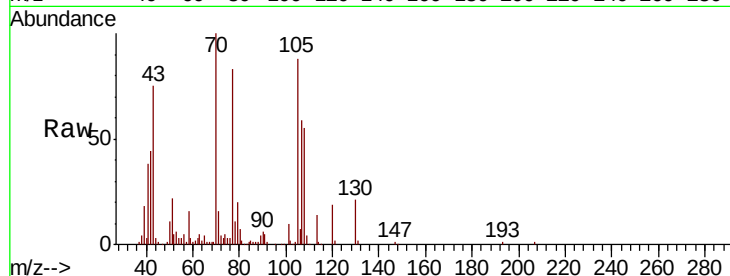




#19
n-Nitroso-di-n-propylamine
Concen: 49.009 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

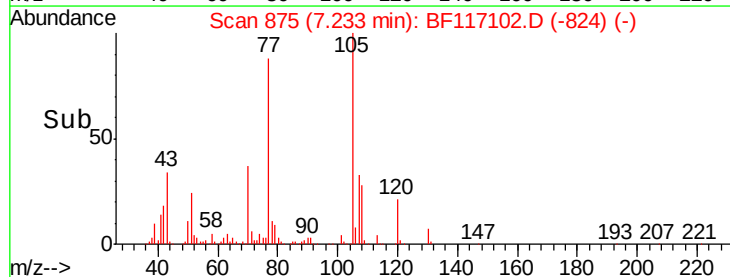
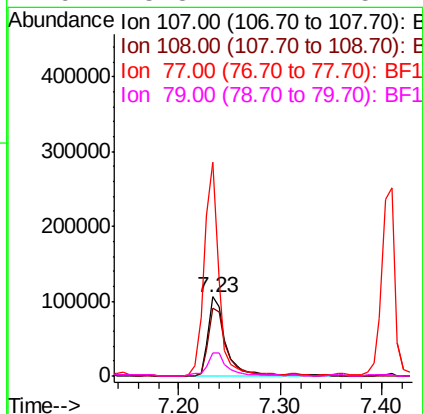
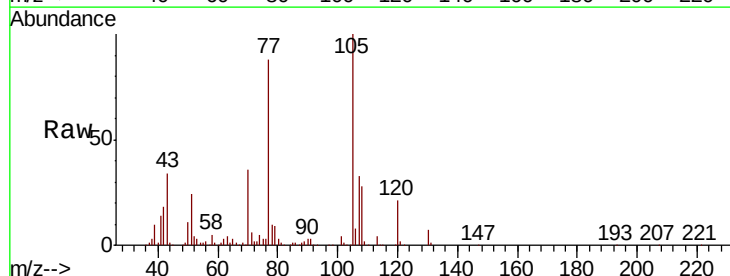
Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

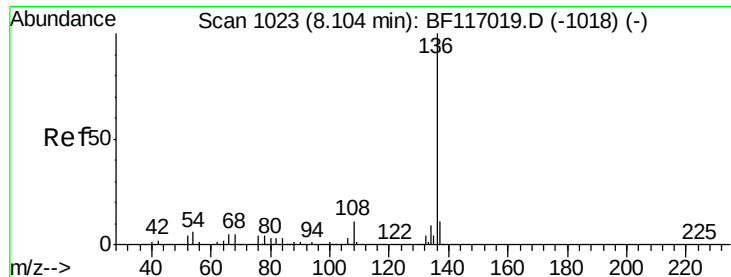
Tot Ion:	70	Resp:	153536
Ion	Ratio	Lower	Upper
70	100		
42	43.5	34.0	51.0
101	9.7	7.8	11.6
130	20.6	17.8	26.8



#20
3+4-Methylphenols
Concen: 27.598 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion:	107	Resp:	123732
Ion	Ratio	Lower	Upper
107	100		
108	85.2	72.6	112.6
77	269.7	132.1	172.1#
79	28.8	12.1	52.1

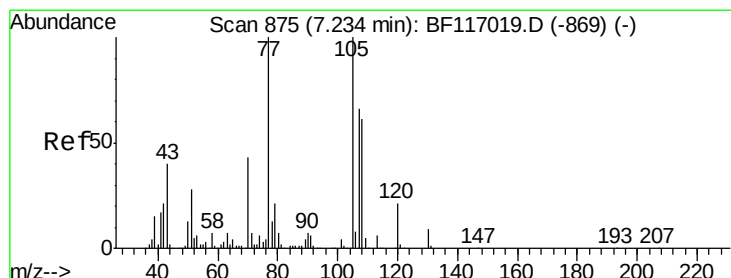
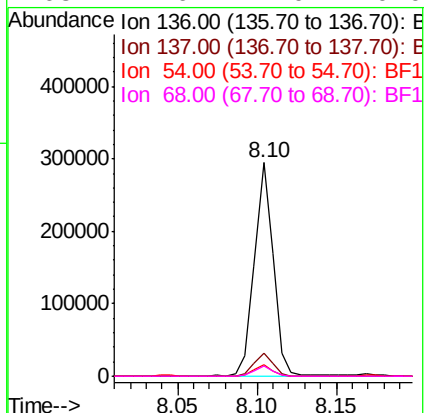
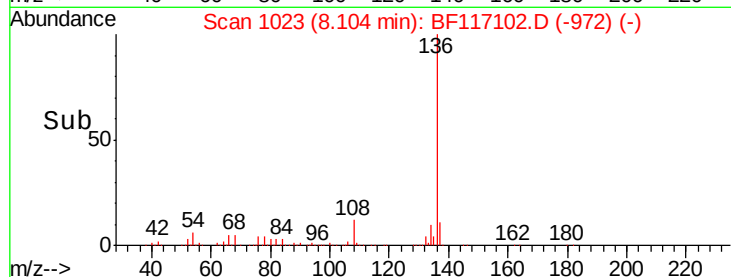
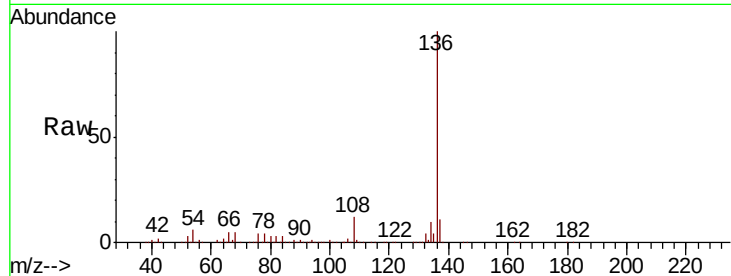




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

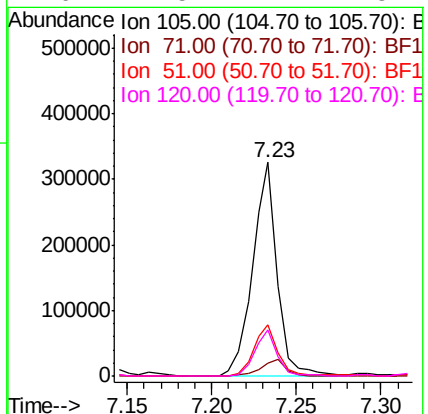
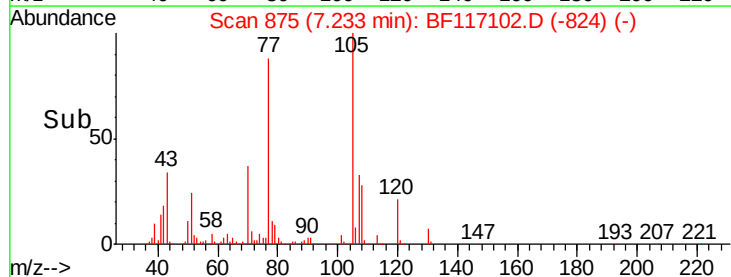
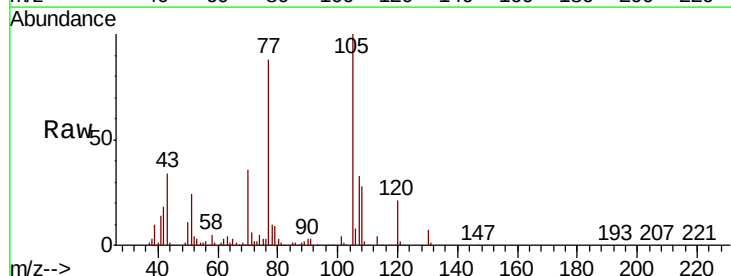
Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

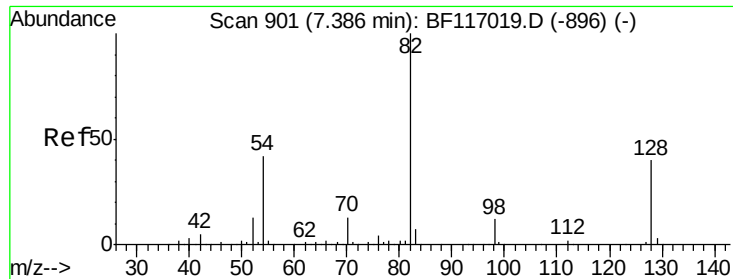
Tot Ion:136	Resp:	245469
Ion Ratio	Lower	Upper
136 100		
137 10.7	9.0	13.4
54 5.6	4.5	6.7
68 4.6	4.0	6.0



#22
Acetophenone
Concen: 52.707 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt	Ion:105	Resp:	328714
Ion	Ratio	Lower	Upper
105	100		
71	5.8	5.7	8.5
51	24.2	22.1	33.1
120	21.5	17.1	25.7

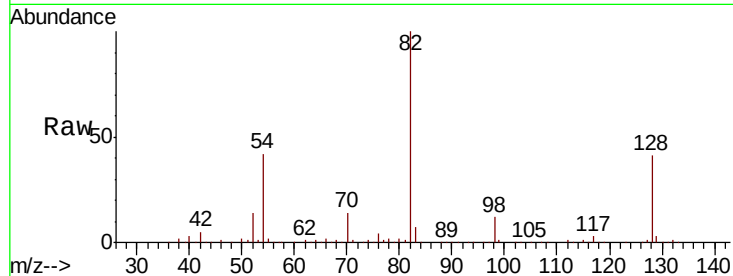




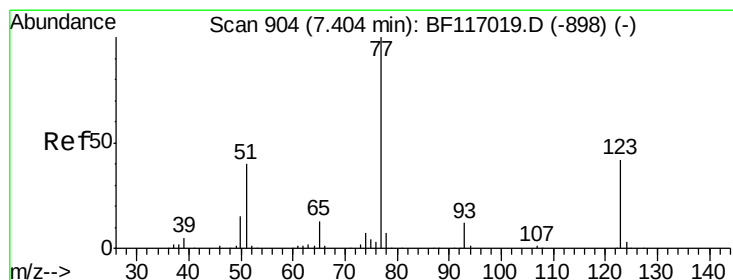
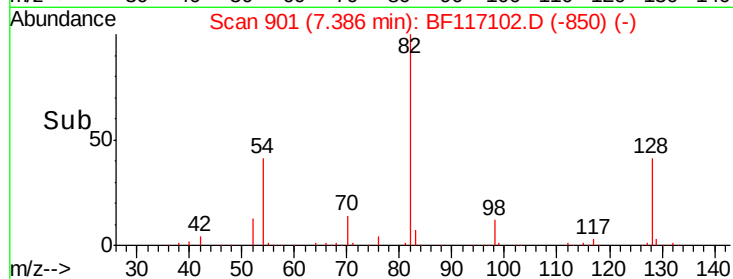
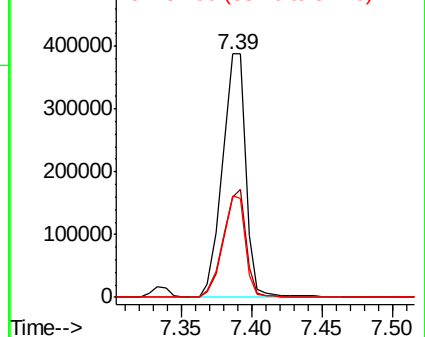
#23
Nitrobenzene-d5
Concen: 96.414 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

Tot Ion	82	Resp	450429
Ion Ratio	Lower	Upper	
82	100		
128	41.2	32.3	48.5
54	41.5	33.3	49.9

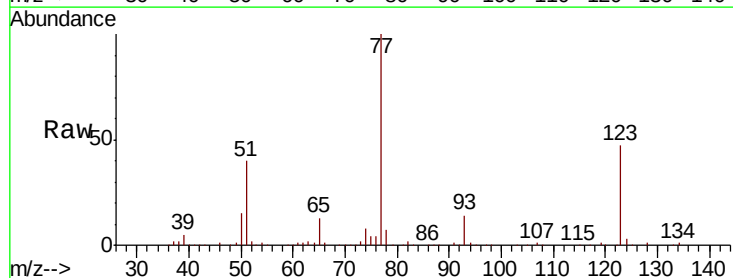


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

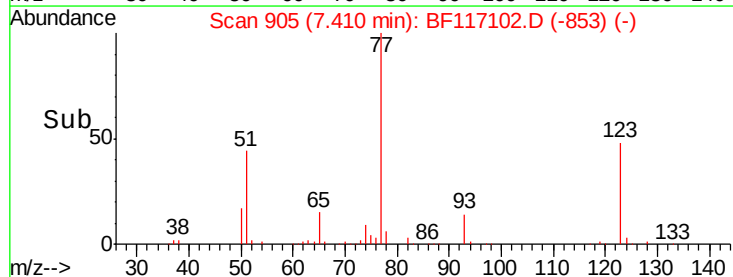
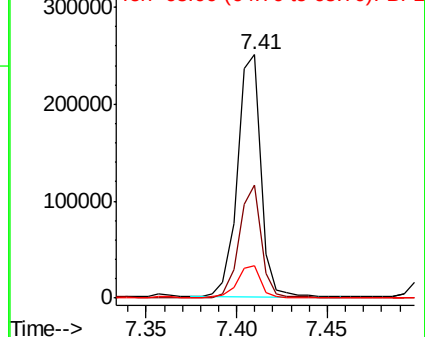


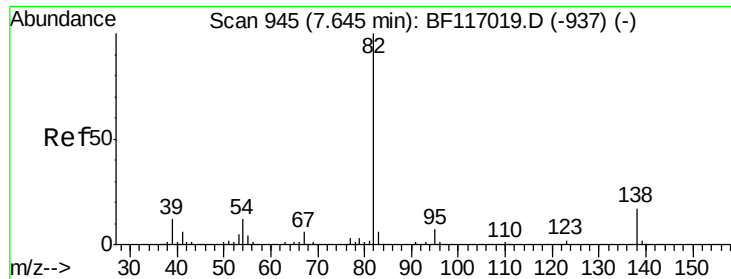
#24
Nitrobenzene
Concen: 49.097 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.01 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion	77	Resp	226514
Ion Ratio	Lower	Upper	
77	100		
123	46.7	33.5	50.3
65	13.2	10.5	15.7



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1

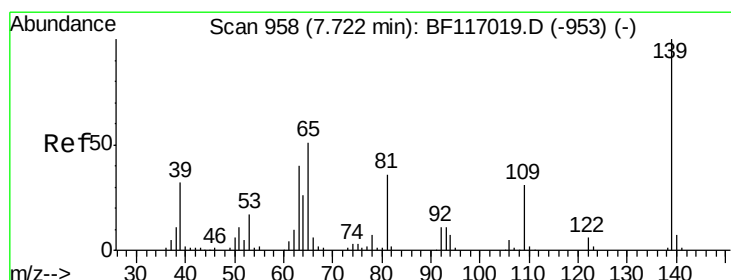
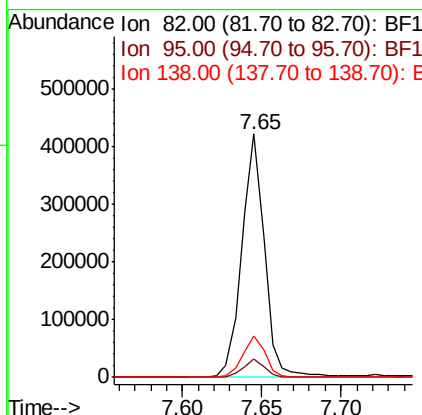
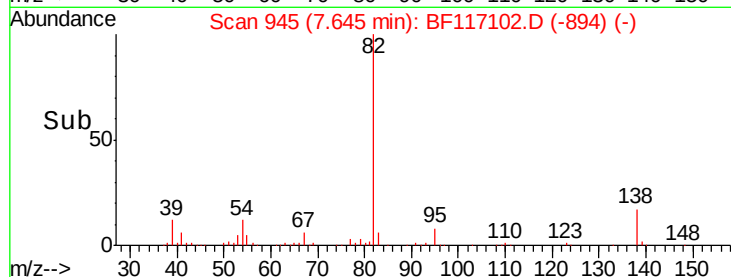
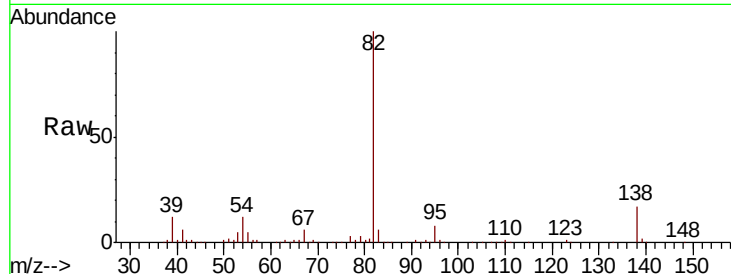




#25
Isophorone
Concen: 50.411 ng
RT: 7.65 min Scan# 945
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

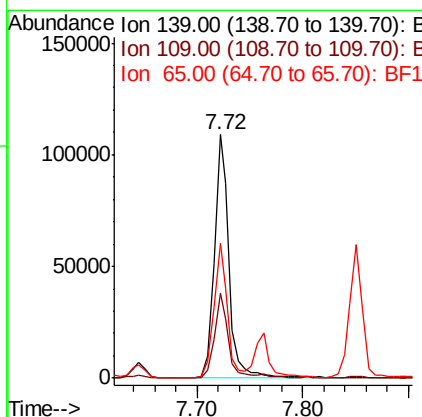
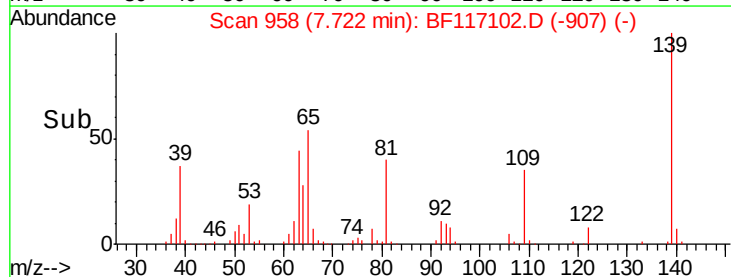
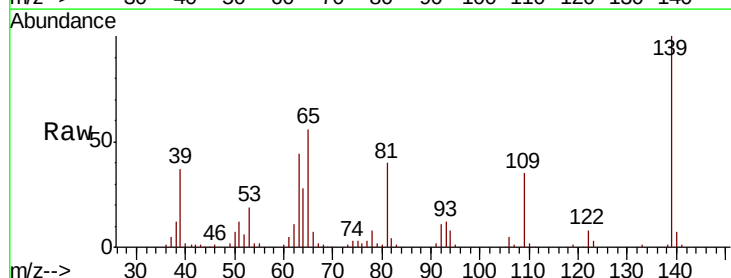
Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

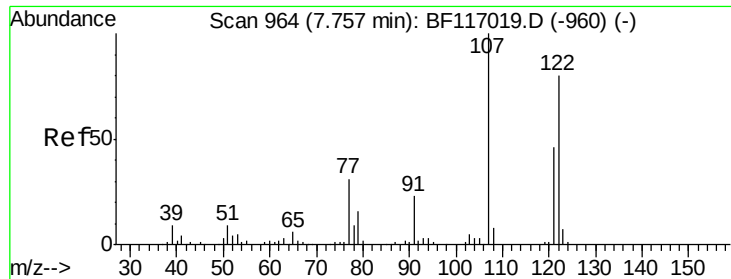
Tot Ion: 82 Resp: 416995
Ion Ratio Lower Upper
82 100
95 7.5 5.8 8.6
138 17.0 13.5 20.3



#26
2-Nitrophenol
Concen: 54.447 ng
RT: 7.72 min Scan# 958
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion: 139 Resp: 107898
Ion Ratio Lower Upper
139 100
109 34.7 24.6 36.8
65 55.5 40.9 61.3

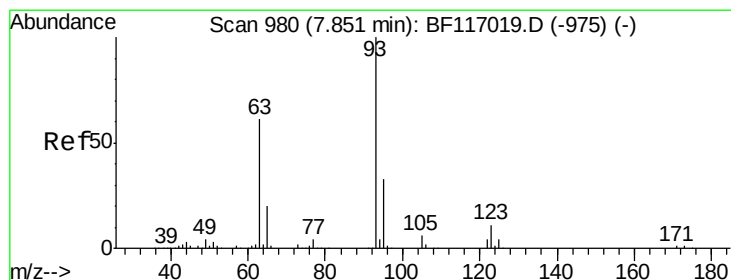
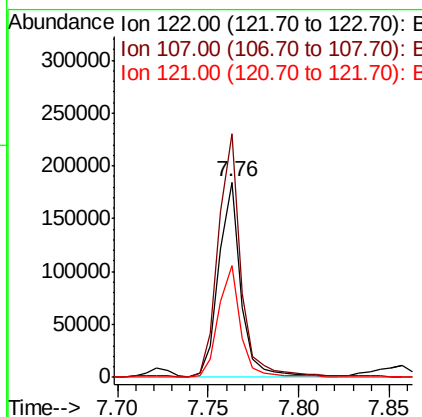
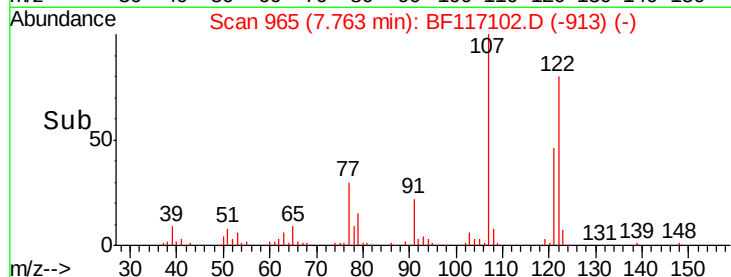
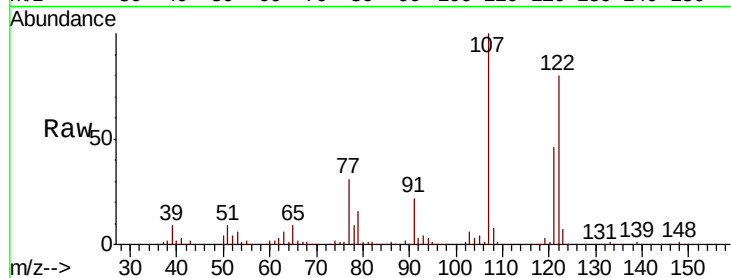




#27
 2,4-Dimethylphenol
 Concen: 50.399 ng
 RT: 7.76 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

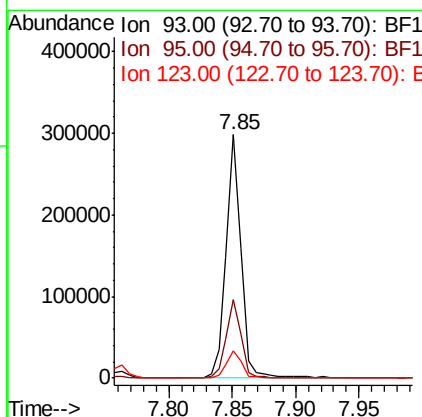
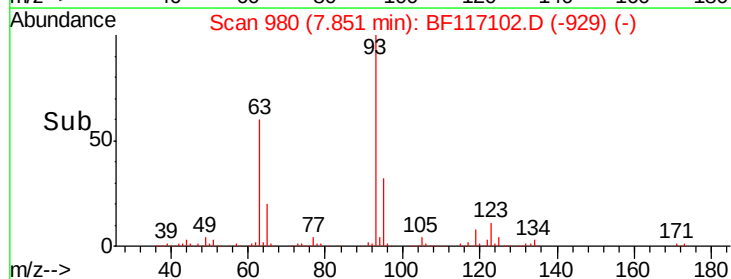
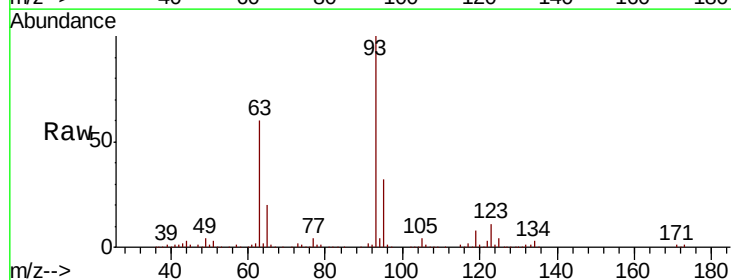
Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

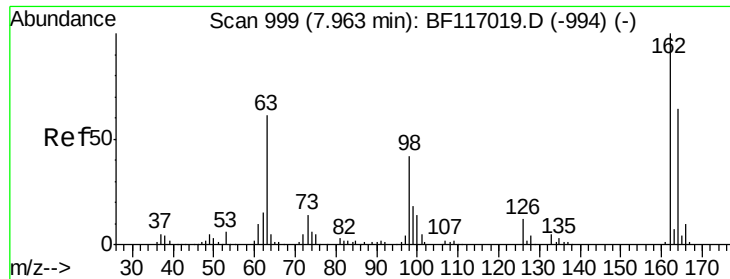
Tot Ion	Ratio	Lower	Upper
122	100		
107	124.6	98.9	148.3
121	57.3	45.3	67.9



#28
 bis(2-Chloroethoxy)methane
 Concen: 48.244 ng
 RT: 7.85 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.2	39.4
123	11.1	9.0	13.6

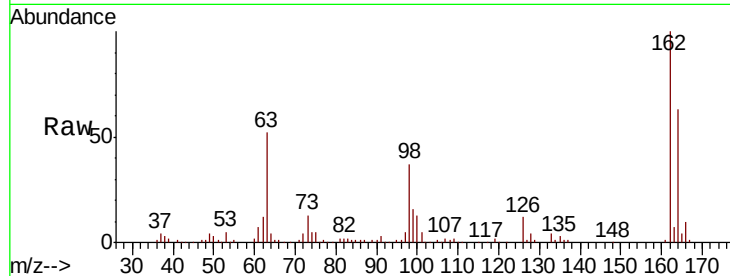




#29
 2,4-Dichlorophenol
 Concen: 48.675 ng
 RT: 7.97 min Scan# 1000
 Delta R.T. 0.01 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.4	43.8	83.8
98	36.9	22.1	62.1

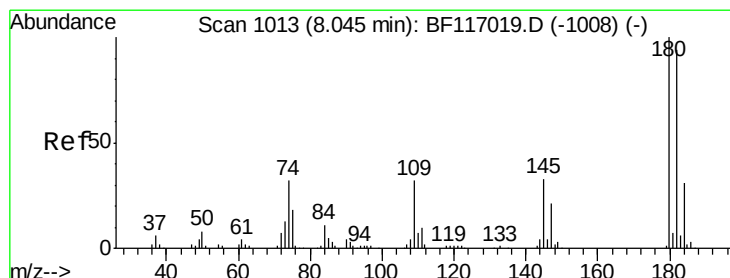
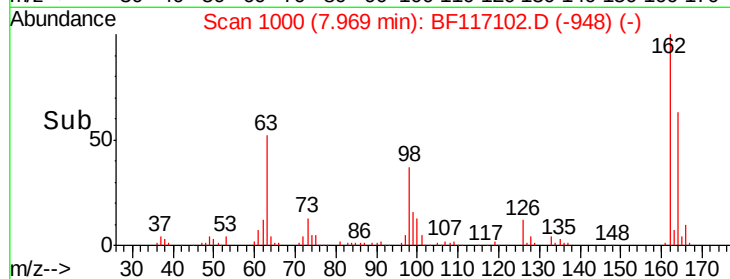
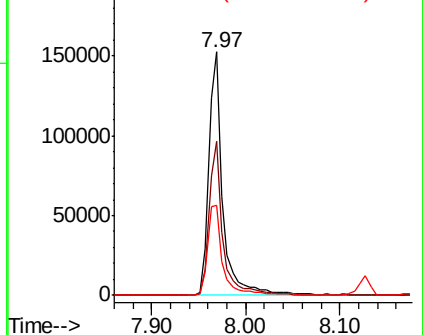


Abundance

Ion 162.00 (161.70 to 162.70): E

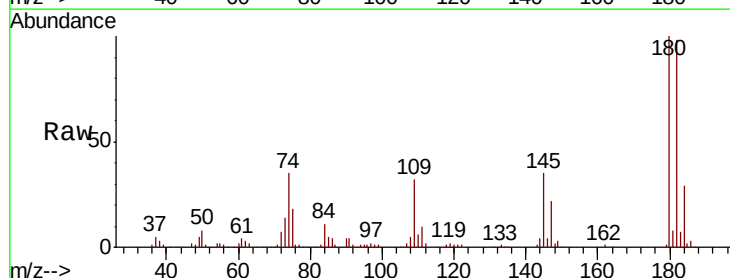
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
 1,2,4-Trichlorobenzene
 Concen: 41.860 ng
 RT: 8.05 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	75.4	113.0
145	35.4	26.7	40.1

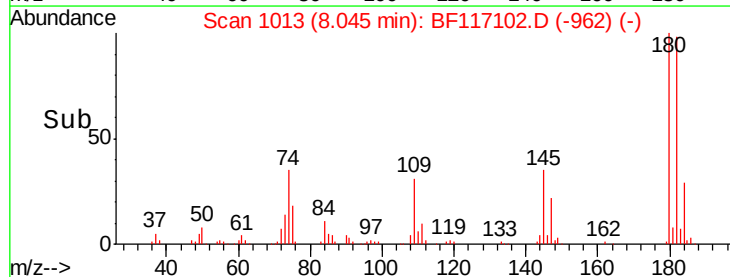
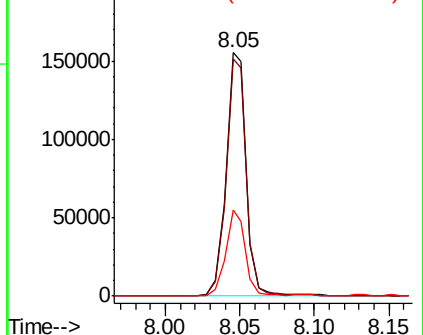


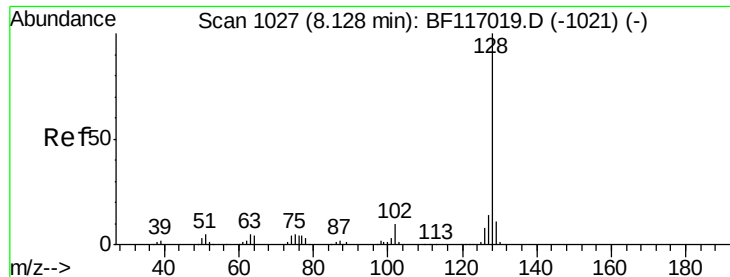
Abundance

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

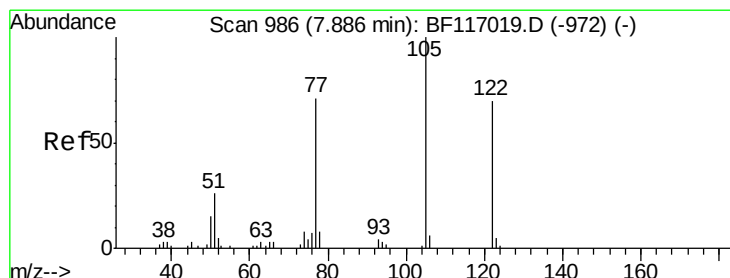
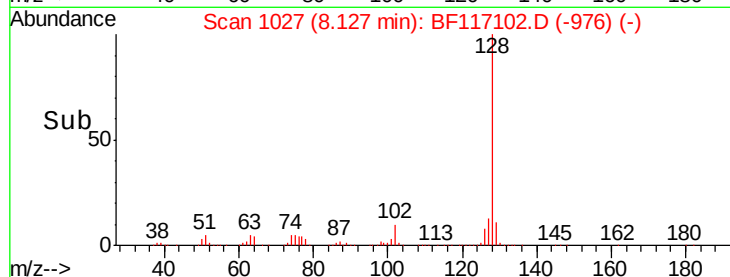
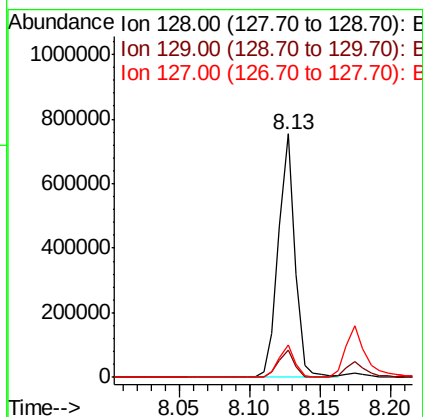
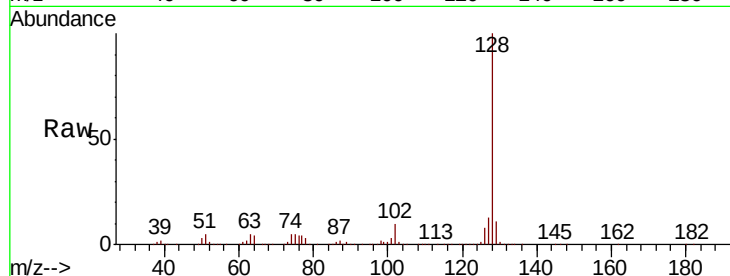




#31
Naphthalene
Concen: 52.795 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

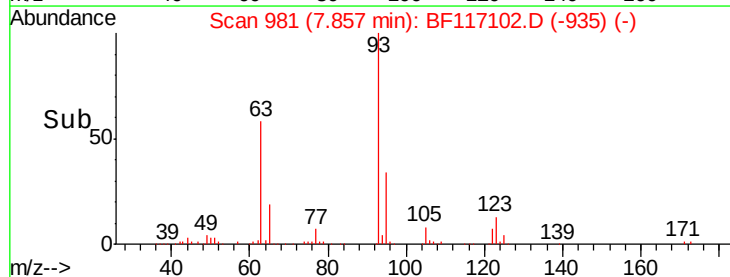
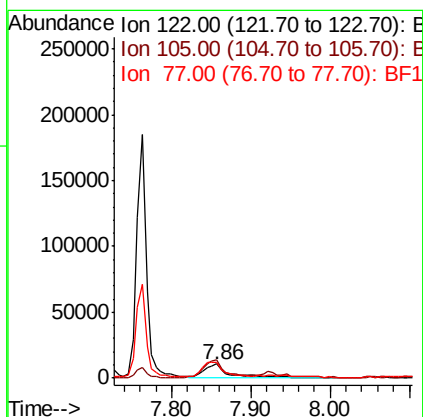
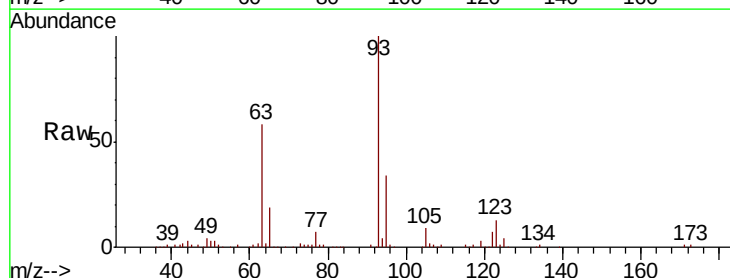
Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

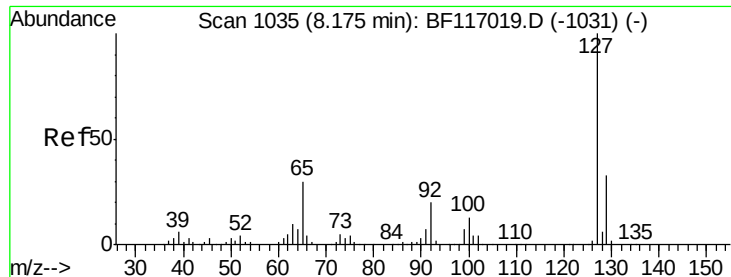
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.2	10.8	16.2



#32
Benzoic acid
Concen: 15.109 ng
RT: 7.86 min Scan# 981
Delta R.T. -0.03 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
122	100		
105	129.0	114.8	154.8
77	106.2	78.7	118.7

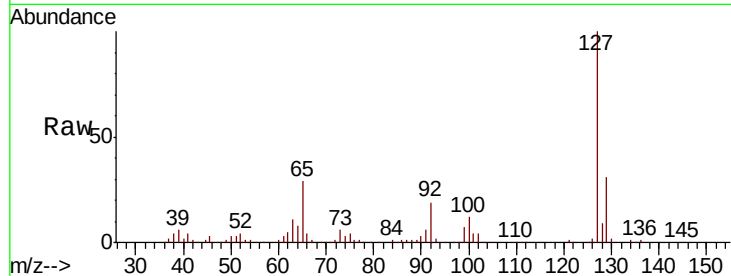




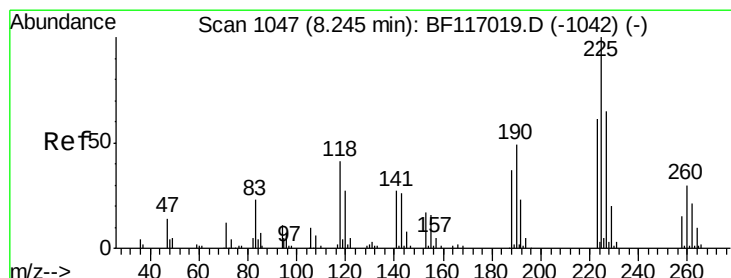
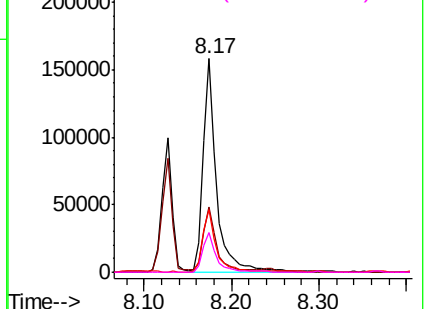
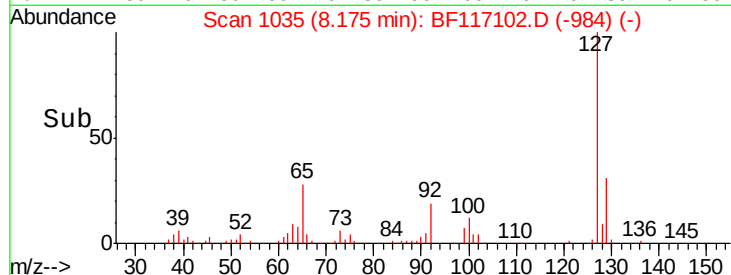
#33
4-Chloroaniline
Concen: 32.582 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

Tot Ion:	127	Resp:	170604
Ion	Ratio	Lower	Upper
127	100		
129	30.8	26.2	39.2
65	29.1	23.5	35.3
92	18.8	15.9	23.9

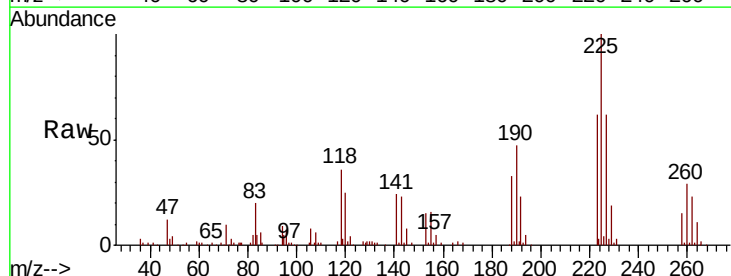


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

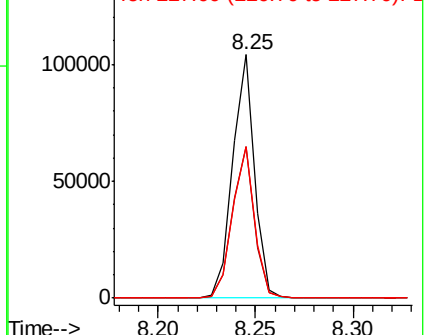
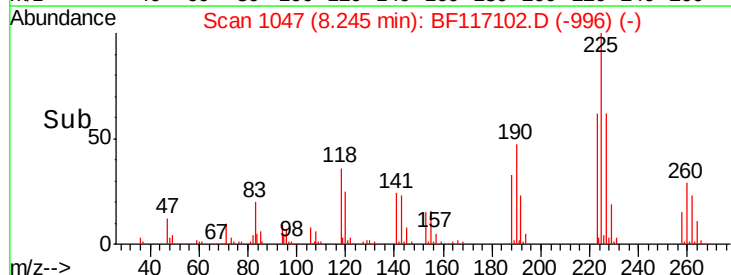


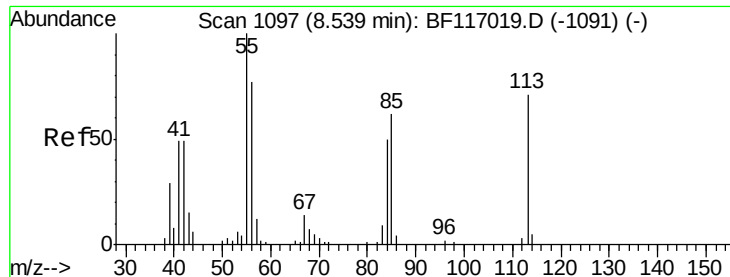
#34
Hexachlorobutadiene
Concen: 40.199 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion:	225	Resp:	81136
Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.1	73.7
227	62.0	52.2	78.2



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

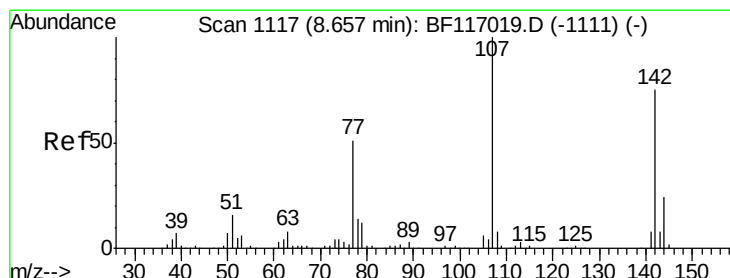
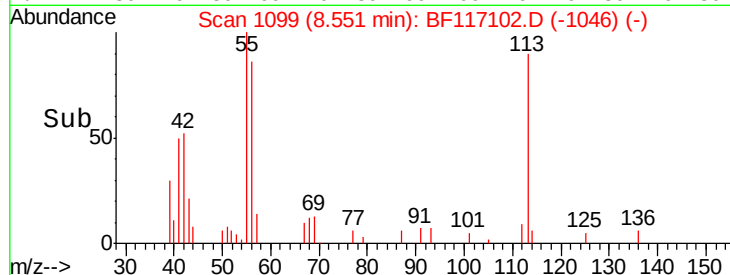
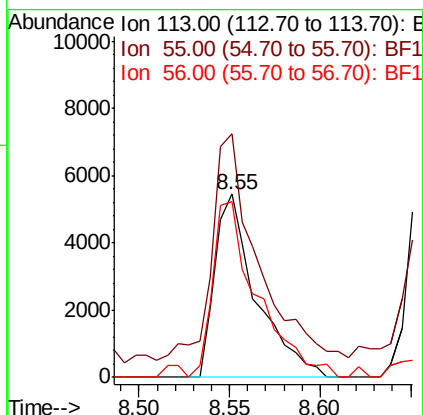
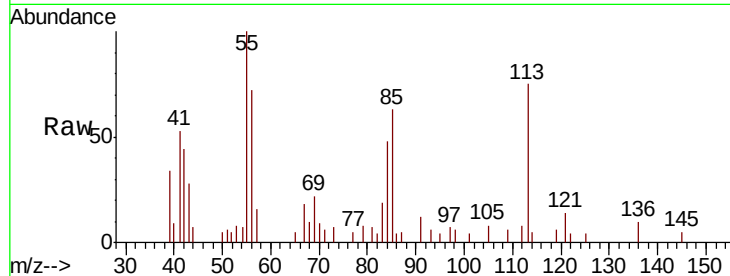




#35
 Caprolactam
 Concen: 7.753 ng
 RT: 8.55 min Scan# 1099
 Delta R.T. 0.01 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

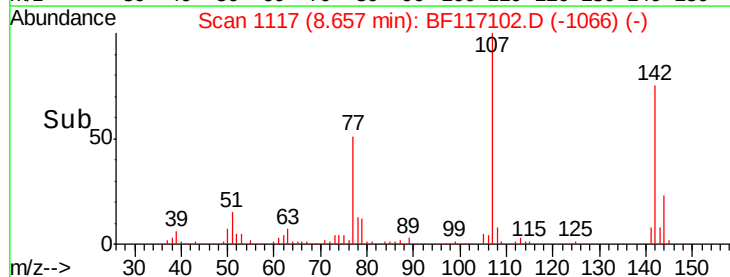
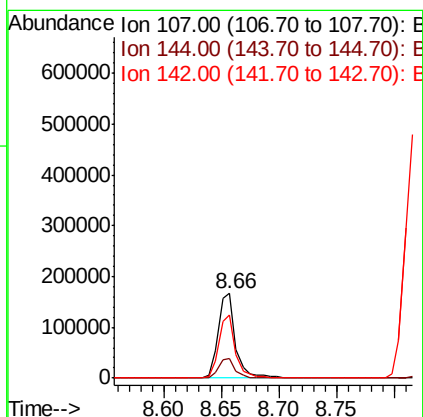
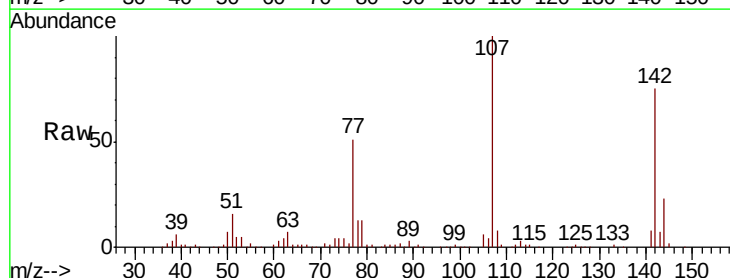
Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

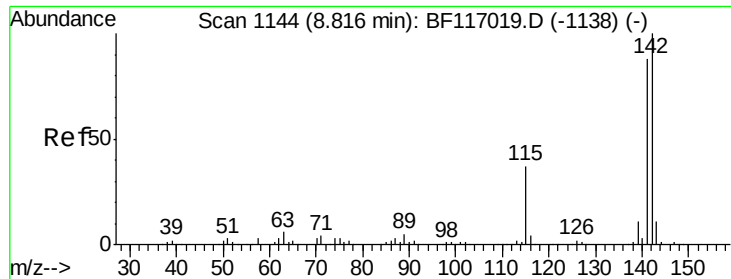
Tot Ion:113 Resp: 8641
 Ion Ratio Lower Upper
 113 100
 55 132.9 120.6 160.6
 56 96.1 88.8 128.8



#36
 4-Chloro-3-methylphenol
 Concen: 45.643 ng
 RT: 8.66 min Scan# 1117
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Tgt Ion:107 Resp: 175247
 Ion Ratio Lower Upper
 107 100
 144 23.0 19.2 28.8
 142 74.9 59.6 89.4

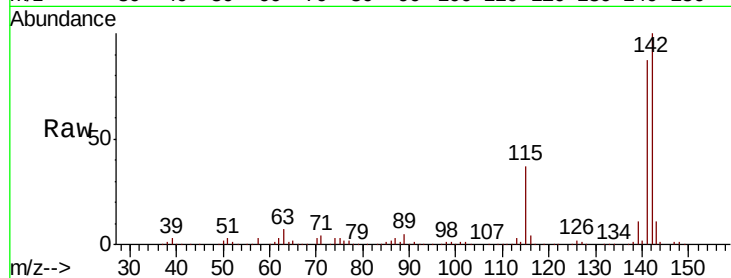




#37
2-Methylnaphthalene
Concen: 51.190 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.8	70.7	106.1
115	36.6	29.4	44.0

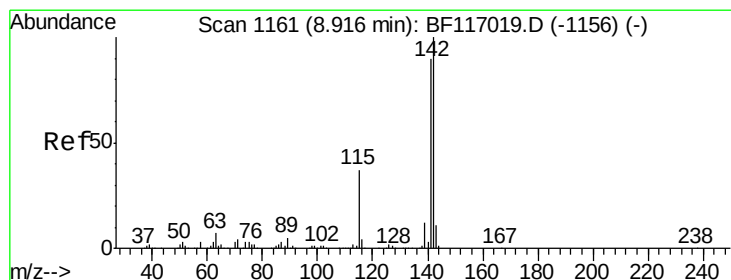
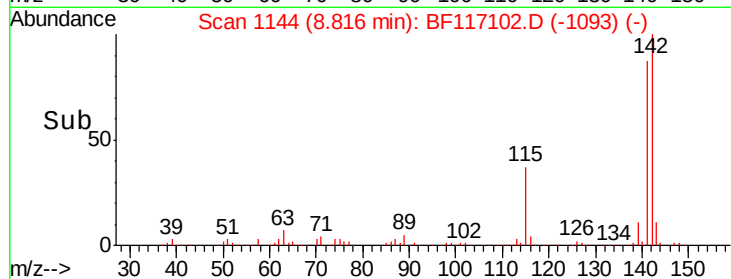
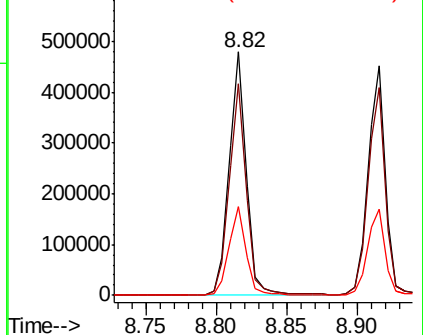


Abundance

Ion 142.00 (141.70 to 142.70): E

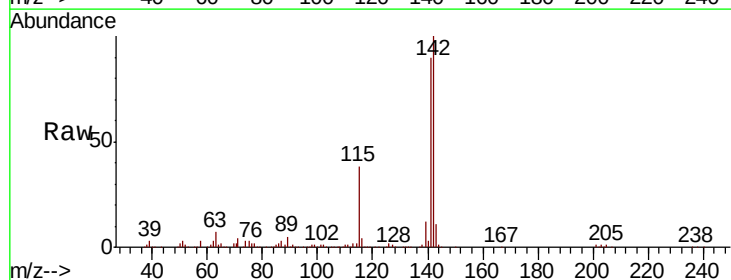
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 51.993 ng
RT: 8.92 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.9	107.9
116	3.9	3.2	4.8

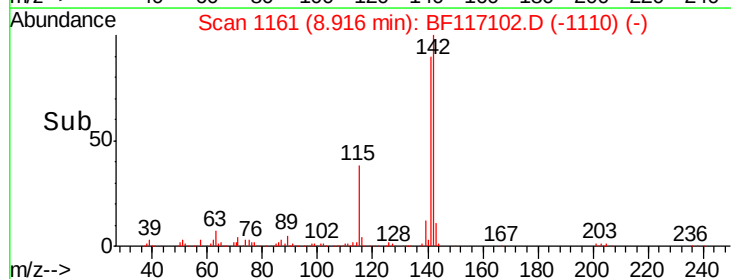
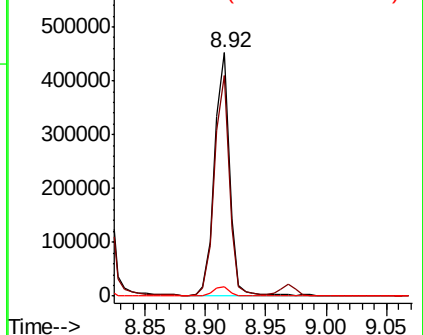


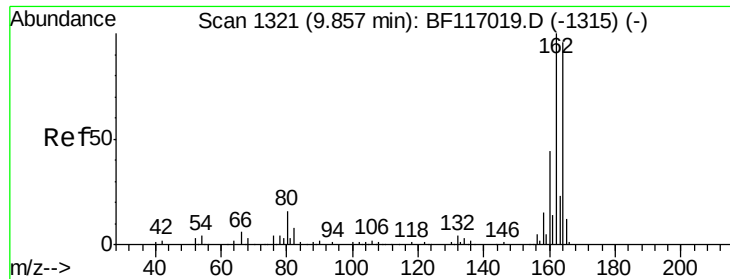
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

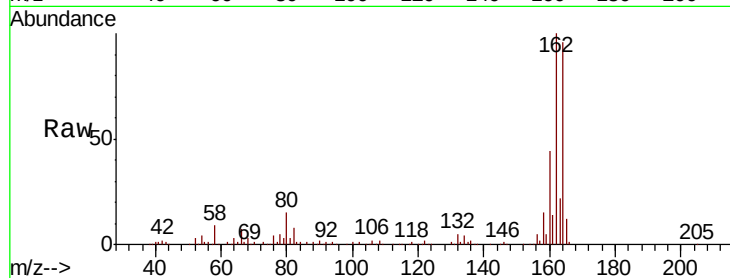




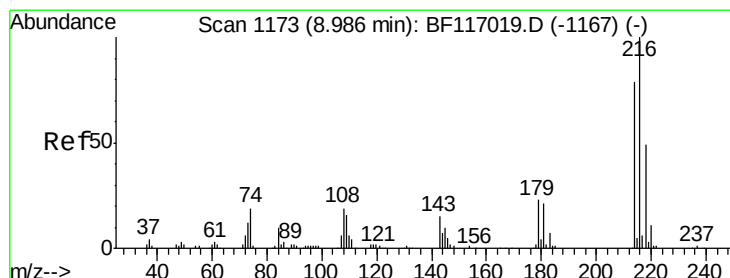
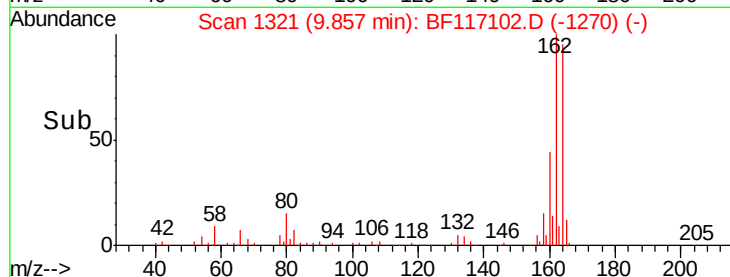
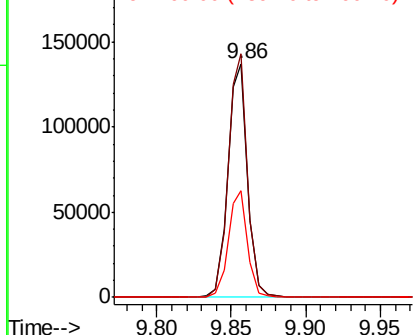
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

Tot Ion:164 Resp: 127934
Ion Ratio Lower Upper
164 100
162 104.2 83.4 125.2
160 45.6 36.4 54.6

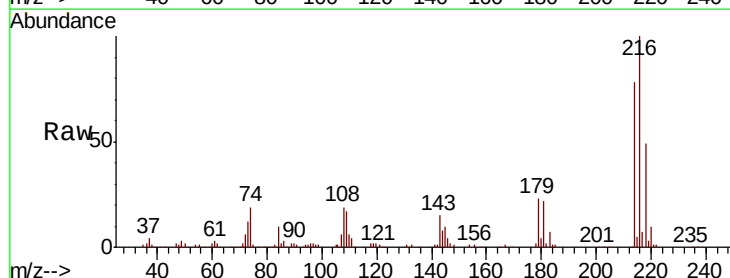


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

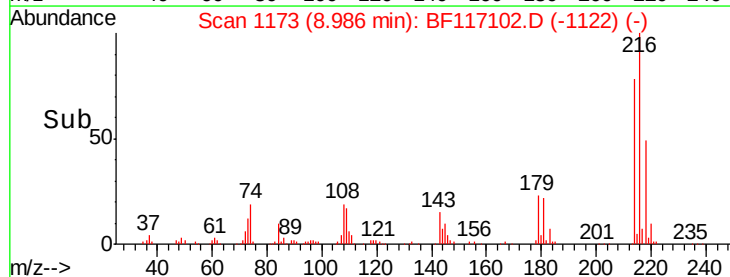
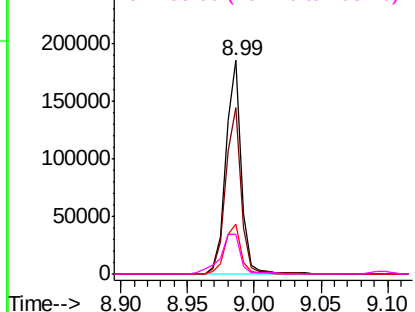


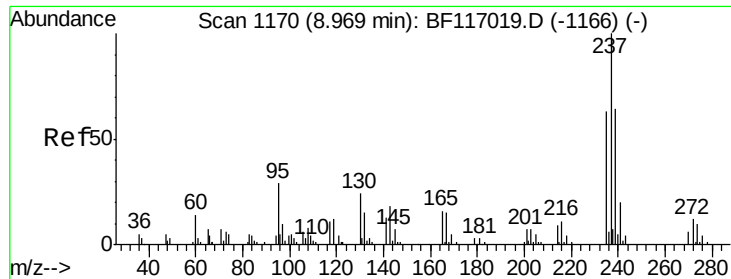
#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.868 ng
RT: 8.99 min Scan# 1173
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion:216 Resp: 151531
Ion Ratio Lower Upper
216 100
214 79.0 63.6 95.4
179 23.8 18.3 27.5
108 24.9 17.8 26.6



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

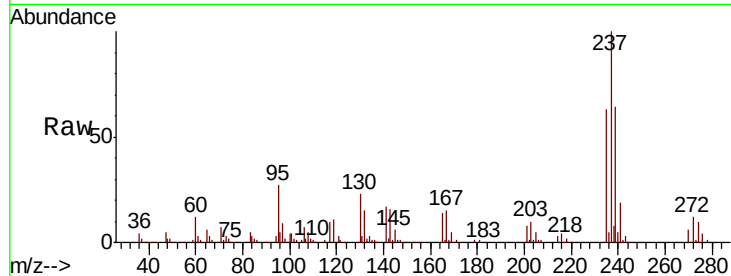




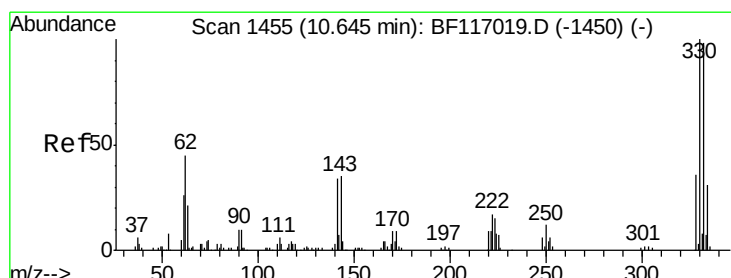
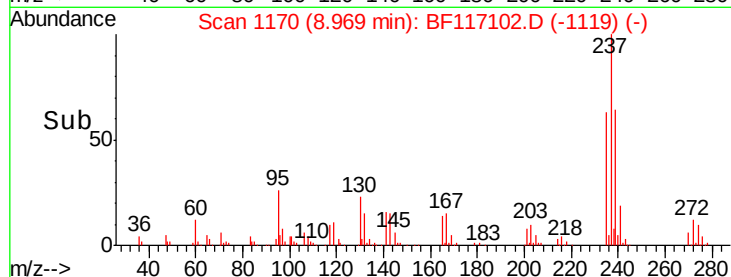
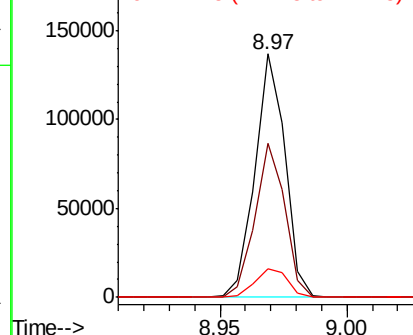
#41
Hexachlorocyclopentadiene
Concen: 77.620 ng
RT: 8.97 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

Tot Ion:237 Resp: 112968
Ion Ratio Lower Upper
237 100
235 63.5 43.2 83.2
272 11.8 0.0 31.9

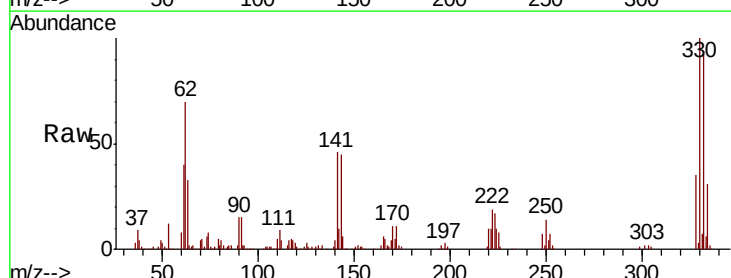


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

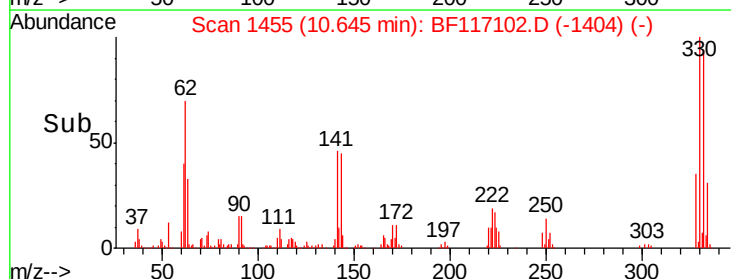
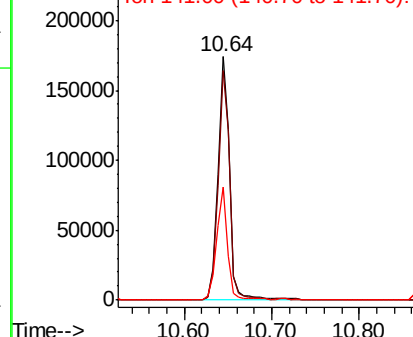


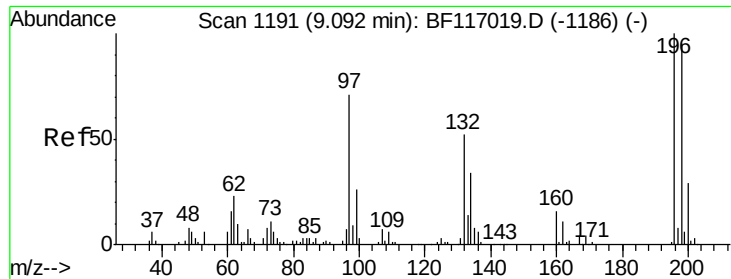
#42
2,4,6-Tribromophenol
Concen: 149.946 ng
RT: 10.64 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion:330 Resp: 160328
Ion Ratio Lower Upper
330 100
332 93.6 78.0 117.0
141 44.0 35.8 53.6



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

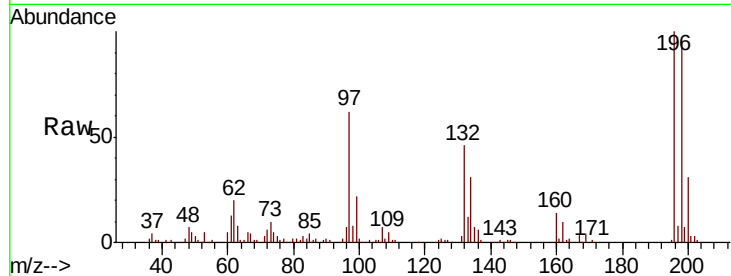




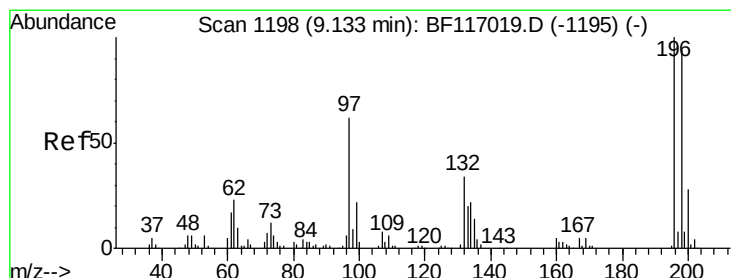
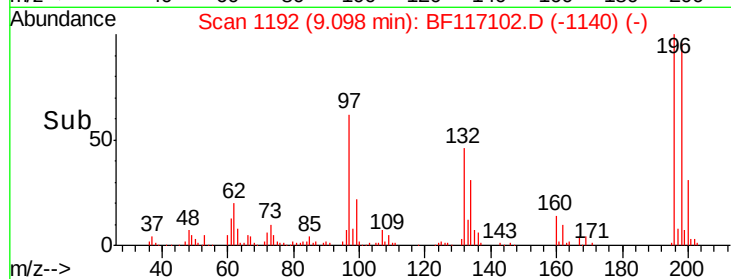
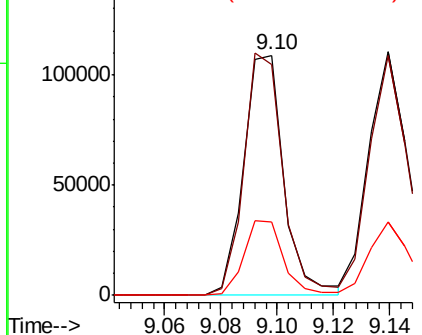
#43
 2,4,6-Trichlorophenol
 Concen: 48.227 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

Tot Ion:196	Resp:	108122
Ion Ratio	Lower	Upper
196	100	
198	96.2	75.7 113.5
200	30.5	23.3 34.9

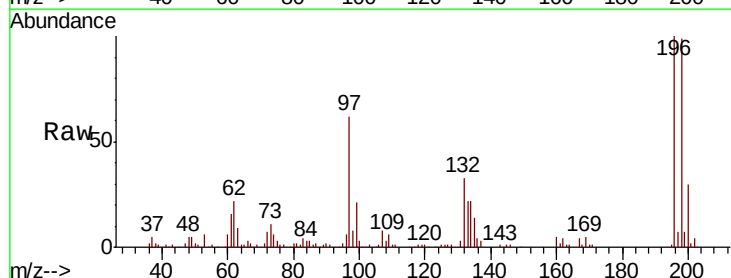


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

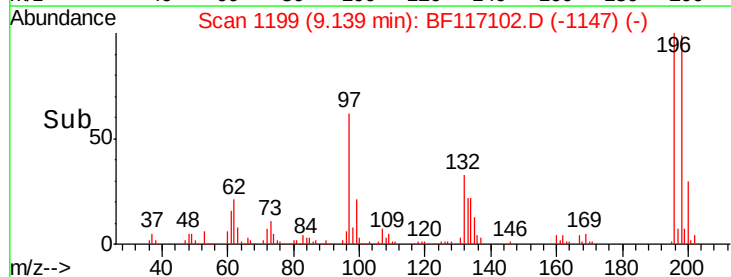
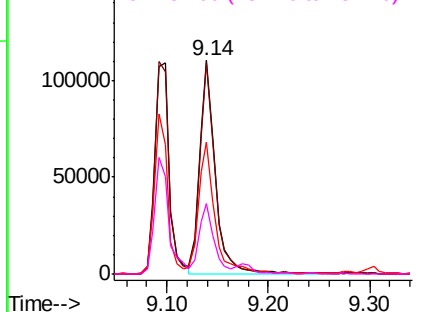


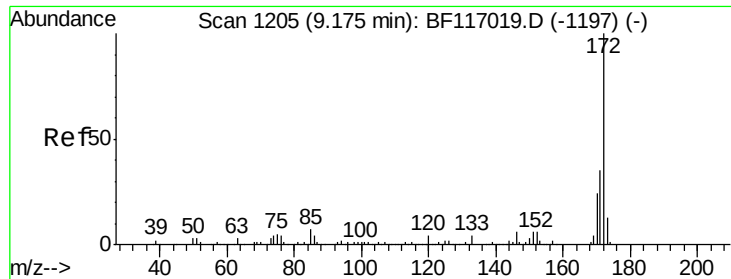
#44
 2,4,5-Trichlorophenol
 Concen: 50.164 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. 0.01 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Tgt Ion:196	Resp:	120158
Ion Ratio	Lower	Upper
196	100	
198	98.7	74.6 112.0
97	61.8	49.5 74.3
132	33.1	27.4 41.2



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

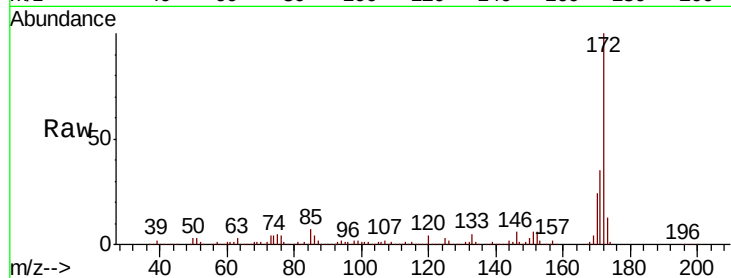




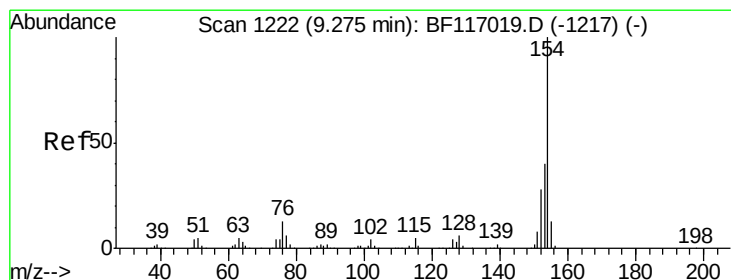
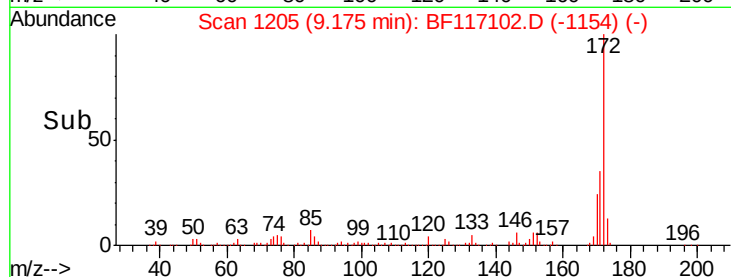
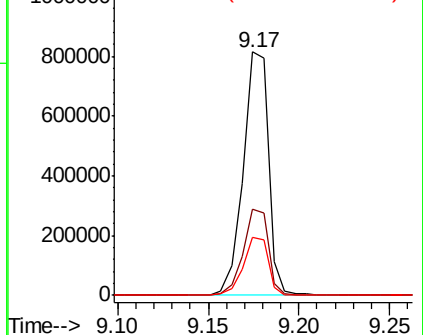
#45
2-Fluorobiphenyl
Concen: 96.529 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.2
170	23.8	18.9	28.3

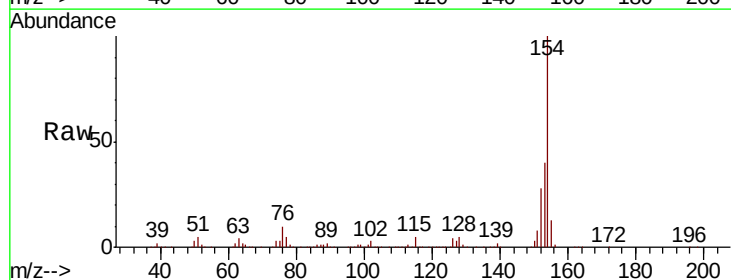


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

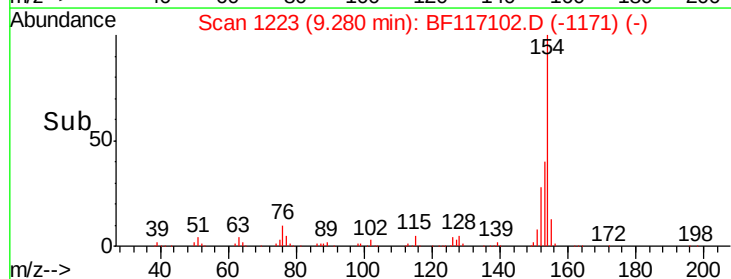
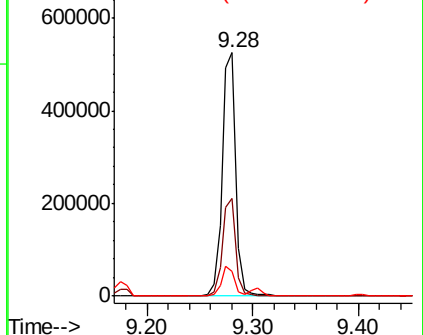


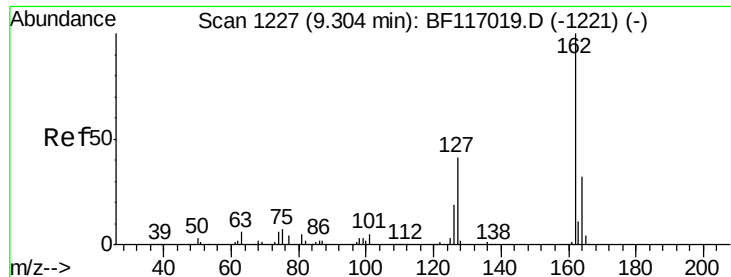
#46
1,1'-Biphenyl
Concen: 47.331 ng
RT: 9.28 min Scan# 1223
Delta R.T. 0.01 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.0	60.0
76	10.2	0.0	32.7



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

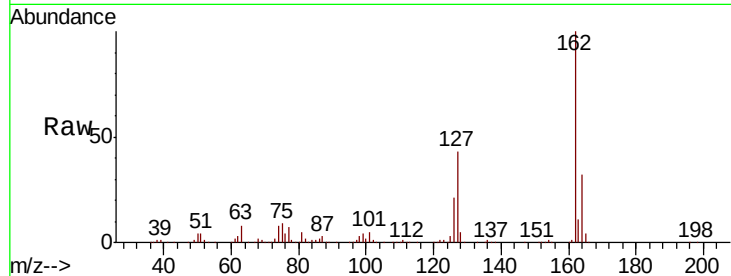




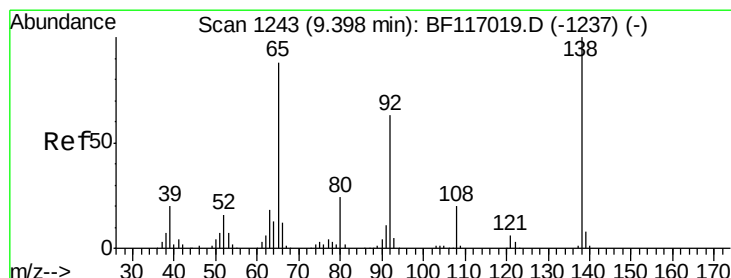
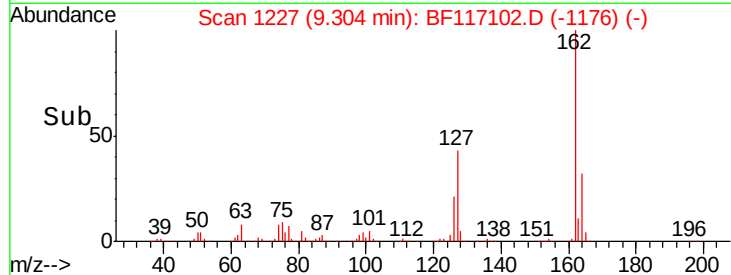
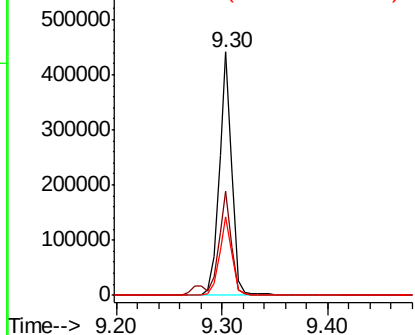
#47
 2-Chloronaphthalene
 Concen: 46.773 ng
 RT: 9.30 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	42.7	34.1	51.1
164	32.2	25.9	38.9

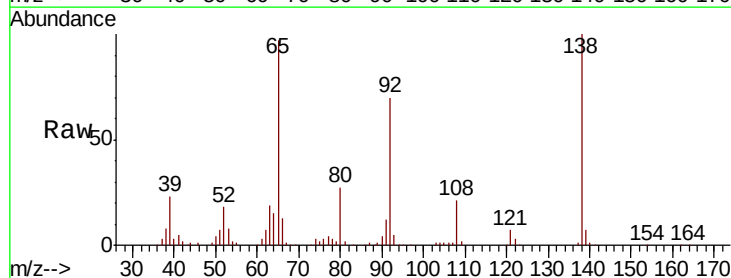


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

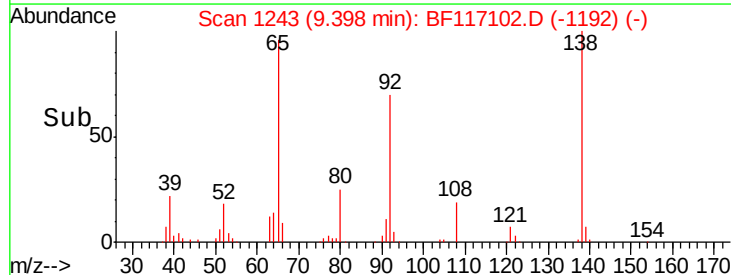
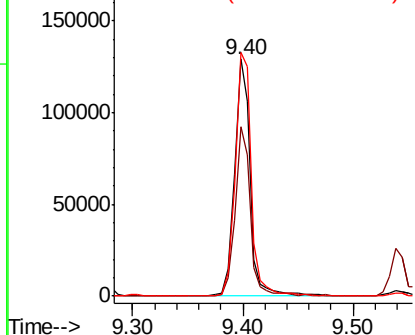


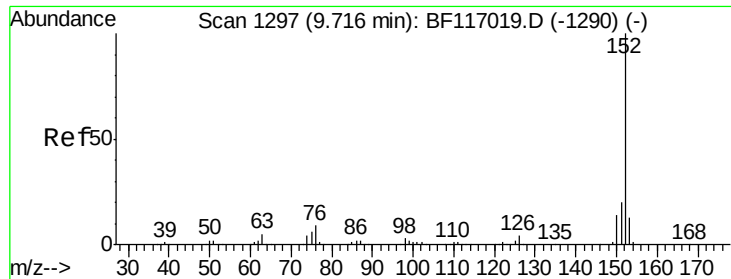
#48
 2-Nitroaniline
 Concen: 50.385 ng
 RT: 9.40 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
65	100		
92	71.6	57.5	86.3
138	102.9	90.6	136.0



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: 49.512 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

Z2-0157MSD

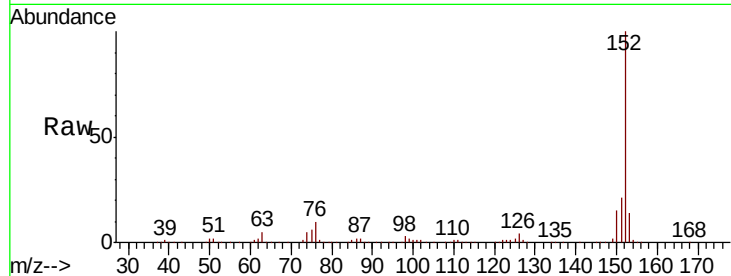
Tot Ion:152 Resp: 587433

Ion Ratio Lower Upper

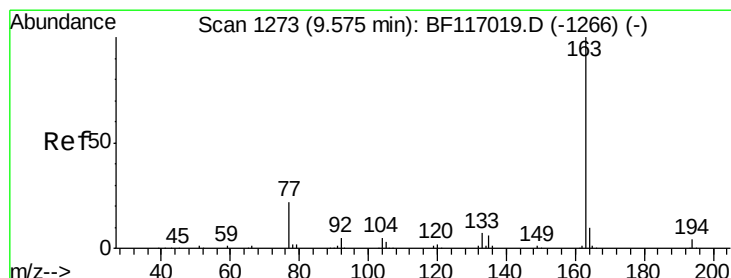
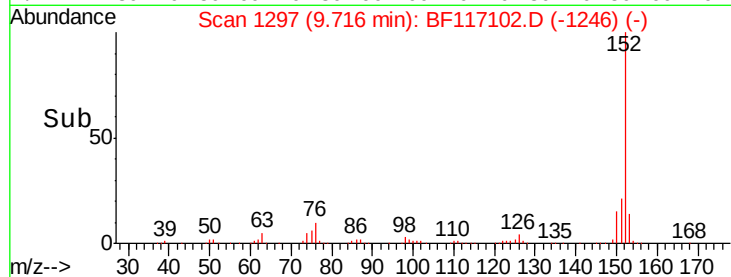
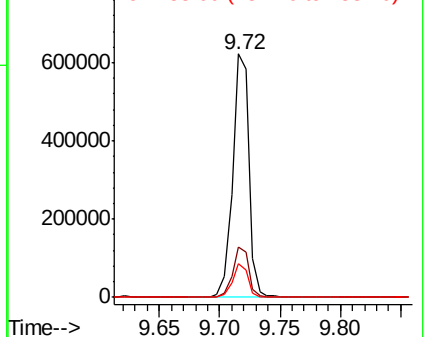
152 100

151 20.7 16.2 24.2

153 13.6 10.2 15.4



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: 50.536 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

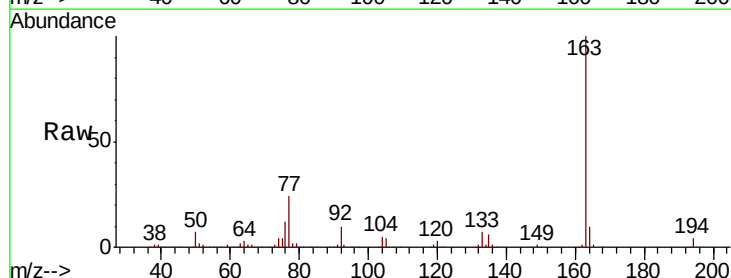
Tgt Ion:163 Resp: 457776

Ion Ratio Lower Upper

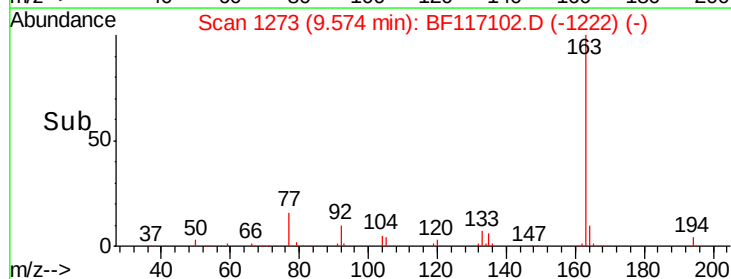
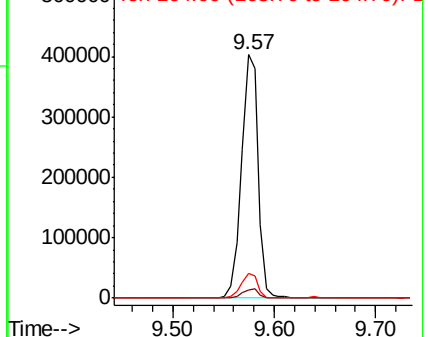
163 100

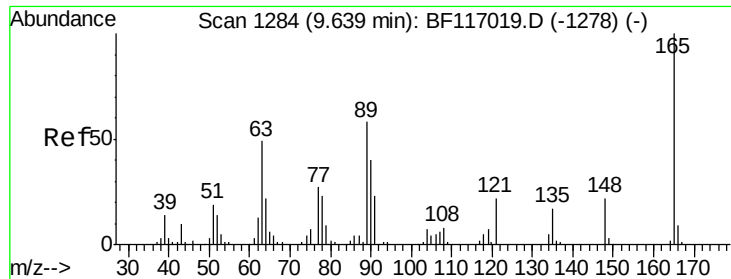
194 3.5 2.9 4.3

164 10.3 8.2 12.4



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

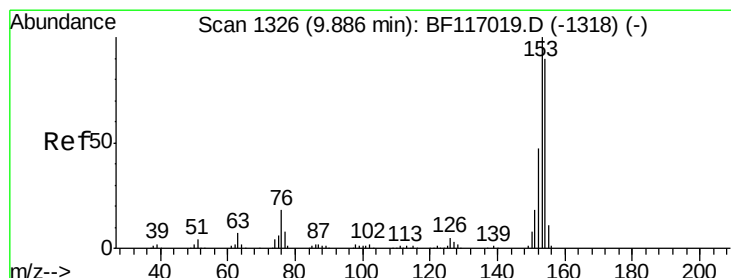
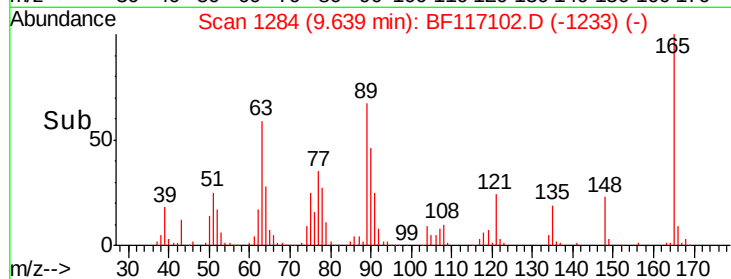
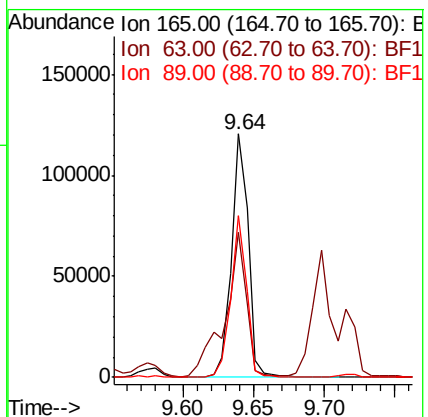
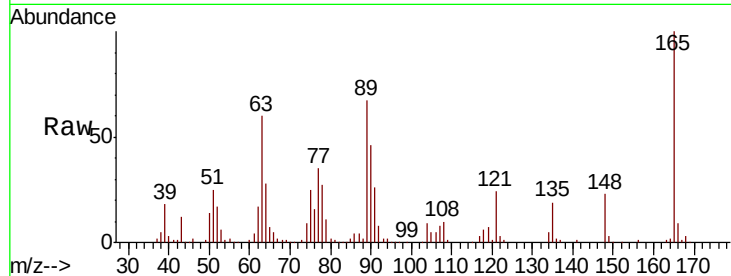




#51
 2,6-Dinitrotoluene
 Concen: 54.044 ng
 RT: 9.64 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

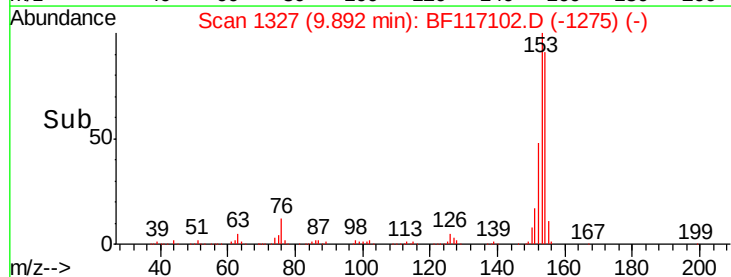
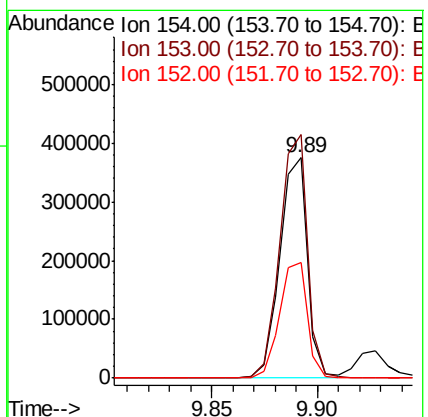
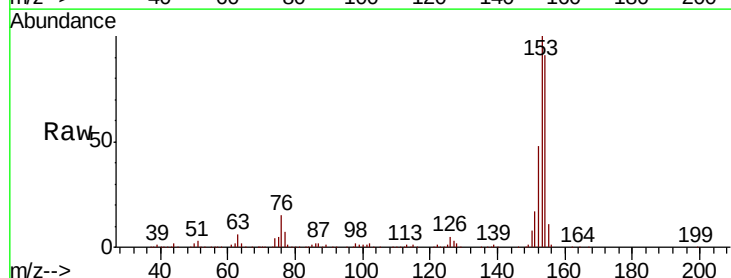
Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

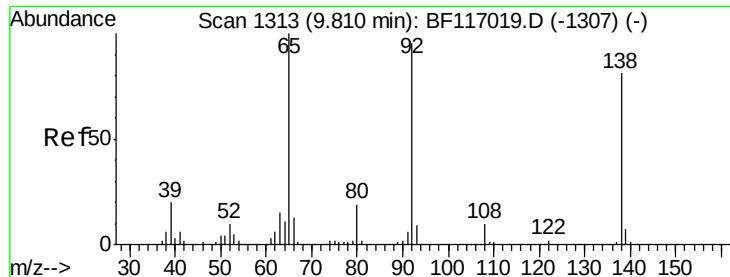
Tot Ion:165 Resp: 99705
 Ion Ratio Lower Upper
 165 100
 63 59.5 41.8 62.8
 89 66.5 46.5 69.7



#52
 Acenaphthene
 Concen: 48.596 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Tgt Ion:154 Resp: 341781
 Ion Ratio Lower Upper
 154 100
 153 110.4 89.0 133.6
 152 52.5 41.9 62.9

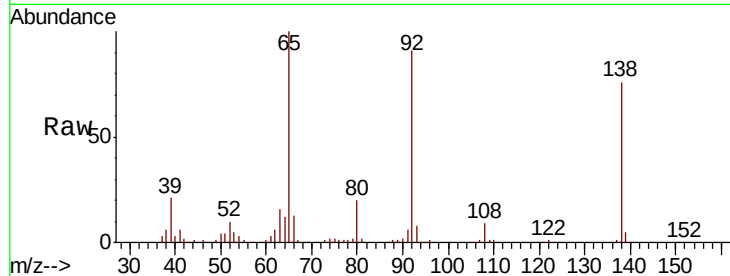




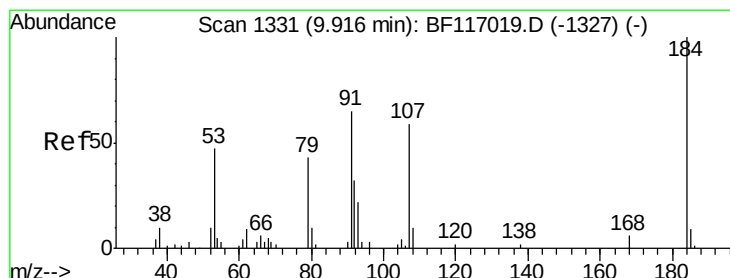
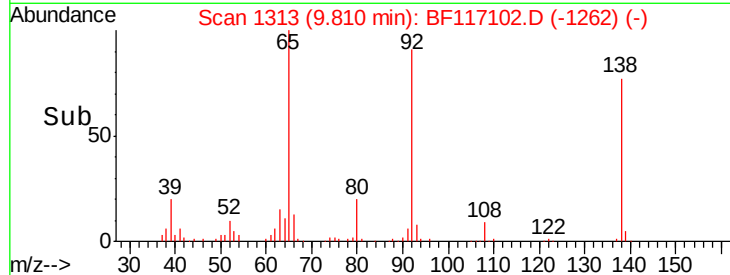
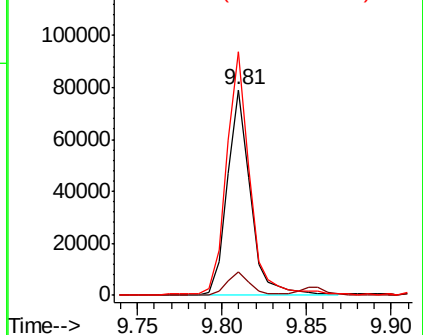
#53
3-Nitroaniline
Concen: 32.313 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

Tot Ion:138 Resp: 75216
Ion Ratio Lower Upper
138 100
108 11.7 9.5 14.3
92 118.4 94.1 141.1

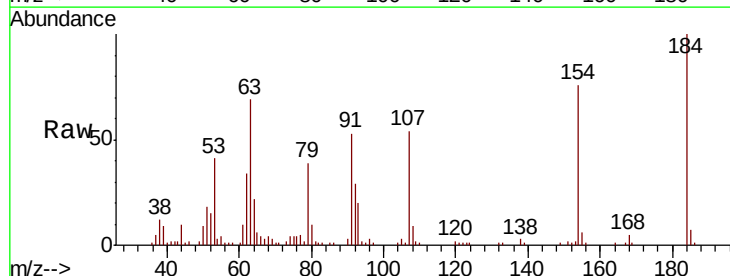


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

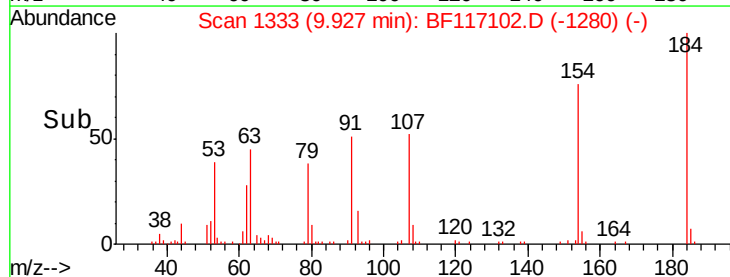
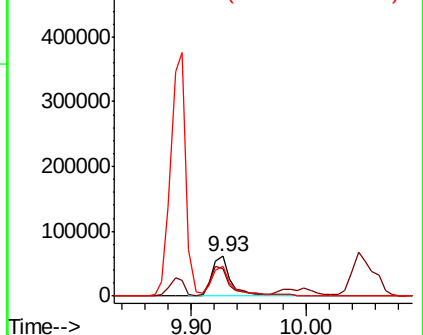


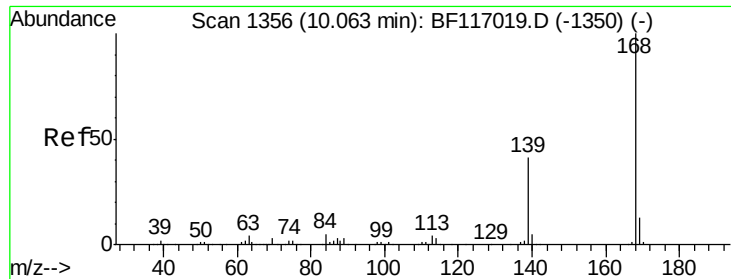
#54
2,4-Dinitrophenol
Concen: 92.611 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.01 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion:184 Resp: 75075
Ion Ratio Lower Upper
184 100
63 69.0 63.8 95.6
154 76.3 60.4 90.6



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

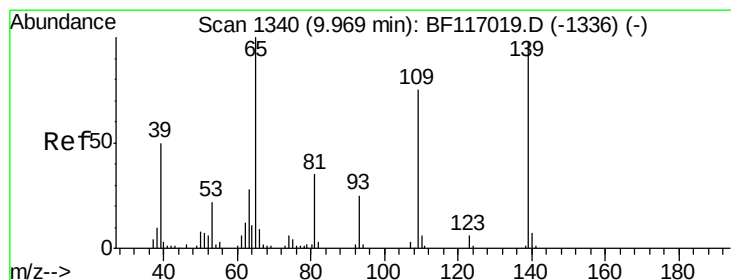
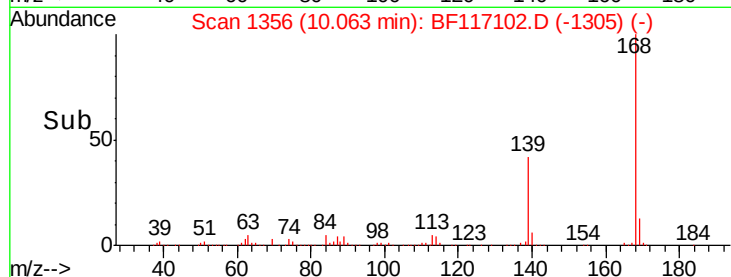
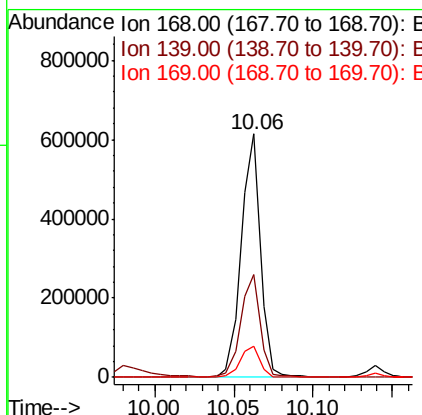
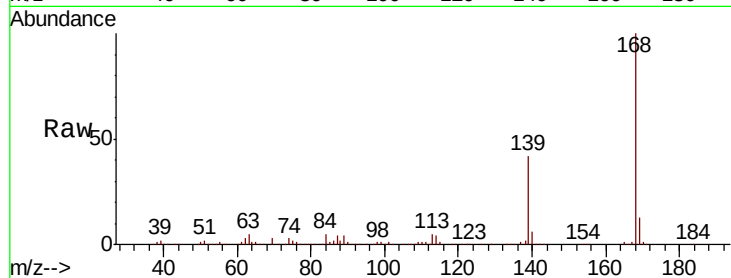




#55
Dibenzenofuran
Concen: 49.968 ng
RT: 10.06 min Scan# 1356
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

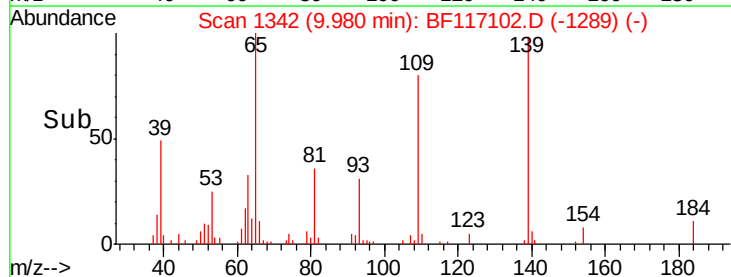
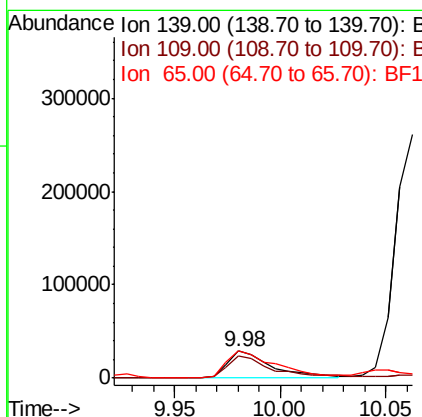
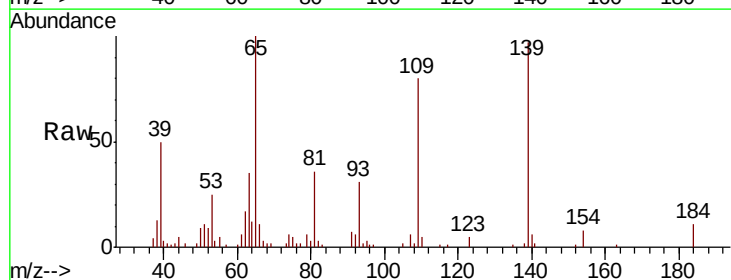
Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

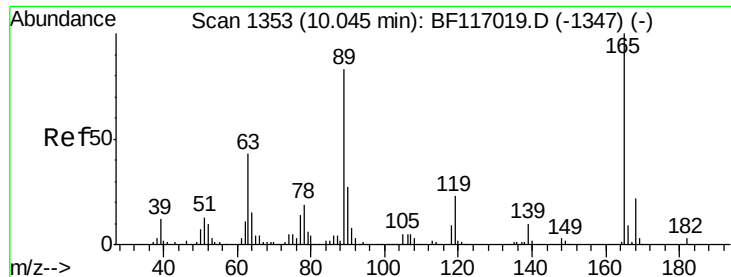
Tot Ion:168 Resp: 518502
Ion Ratio Lower Upper
168 100
139 42.5 32.8 49.2
169 13.0 10.5 15.7



#56
4-Nitrophenol
Concen: 27.729 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.01 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion:139 Resp: 41832
Ion Ratio Lower Upper
139 100
109 83.0 56.4 96.4
65 103.5 82.5 122.5

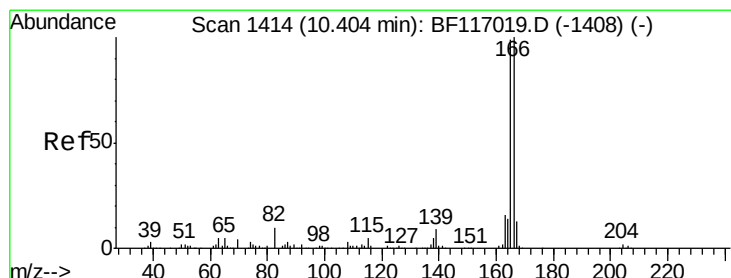
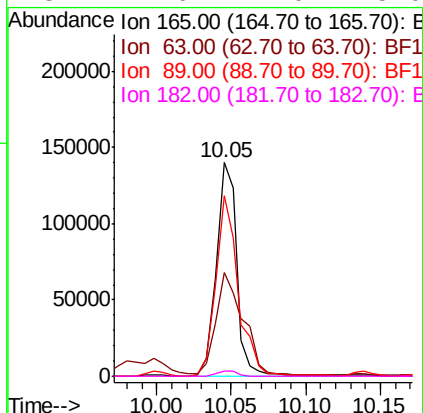
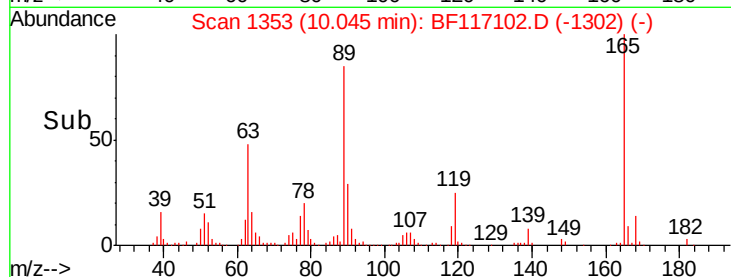
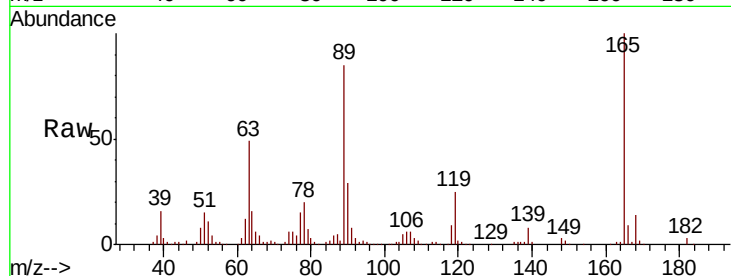




#57
2,4-Dinitrotoluene
Concen: 56.292 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

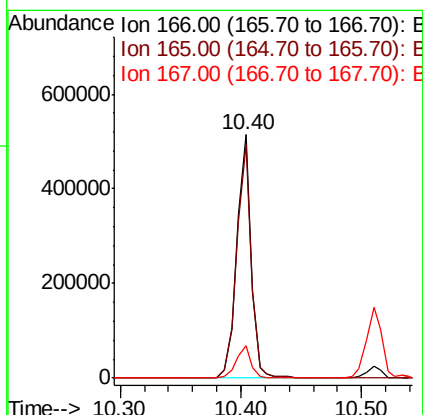
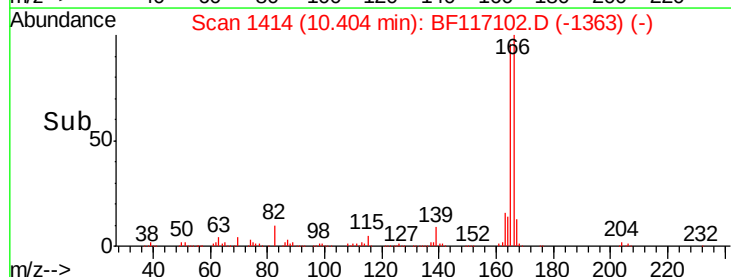
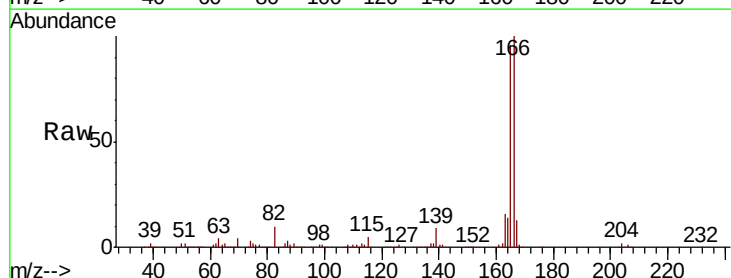
Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

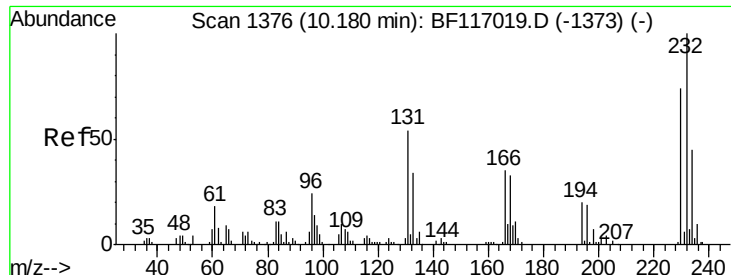
Tot Ion:165	Resp:	134806
Ion Ratio	Lower	Upper
165	100	
63	48.5	35.0 52.4
89	84.8	66.1 99.1
182	2.6	2.0 3.0



#58
Fluorene
Concen: 51.251 ng
RT: 10.40 min Scan# 1414
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion:166	Resp:	428394
Ion Ratio	Lower	Upper
166	100	
165	95.9	78.9 118.3
167	13.4	10.6 15.8

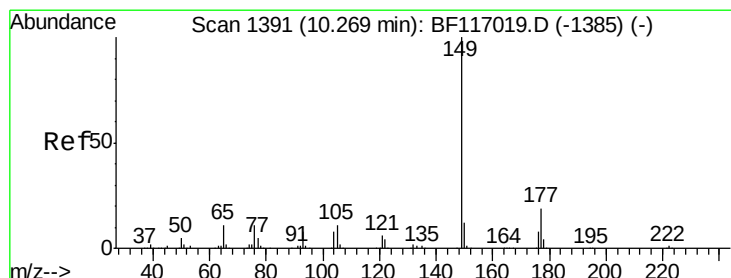
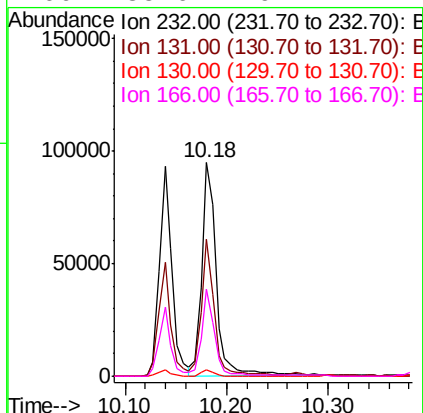
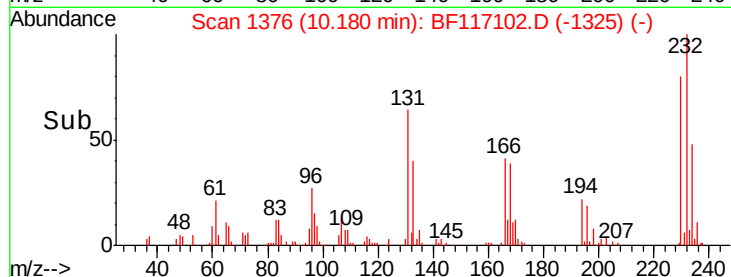
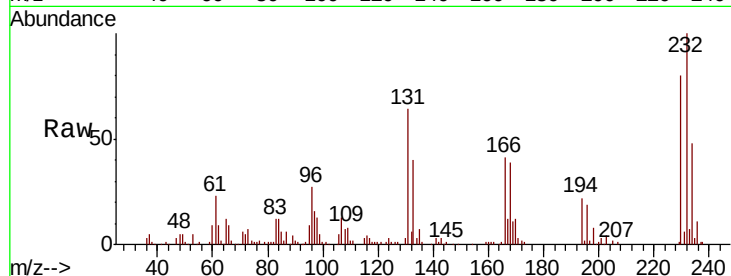




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 51.460 ng
 RT: 10.18 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

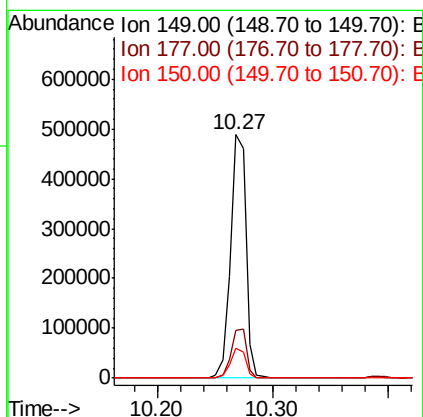
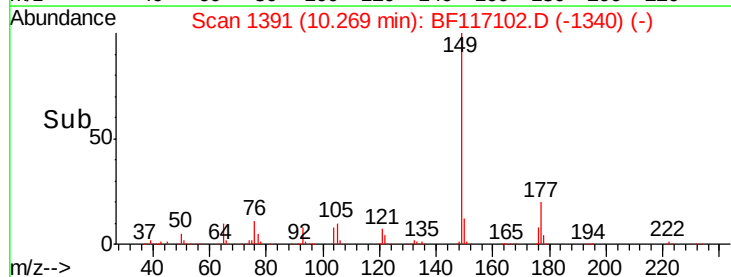
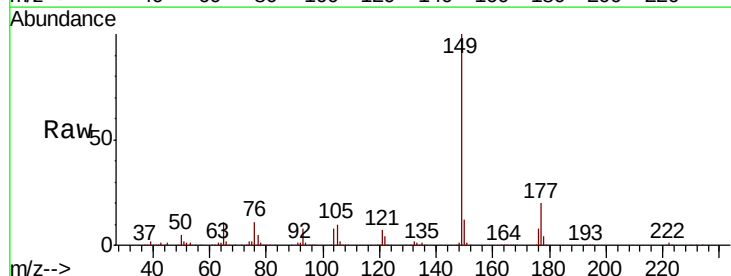
Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

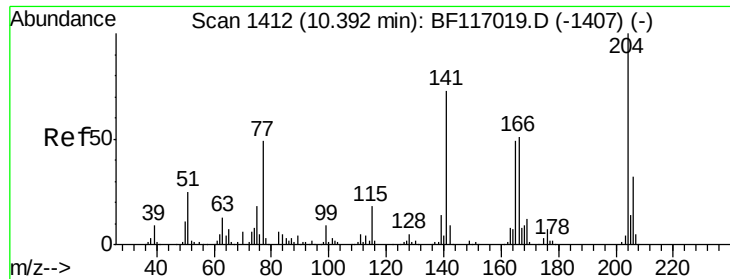
Tot Ion	Ratio	Lower	Upper
232	100		
131	55.7	45.3	67.9
130	2.6	1.8	2.8
166	35.6	29.4	44.2



#60
 Diethylphthalate
 Concen: 50.995 ng
 RT: 10.27 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
149	100		
177	19.8	15.2	22.8
150	12.5	9.9	14.9

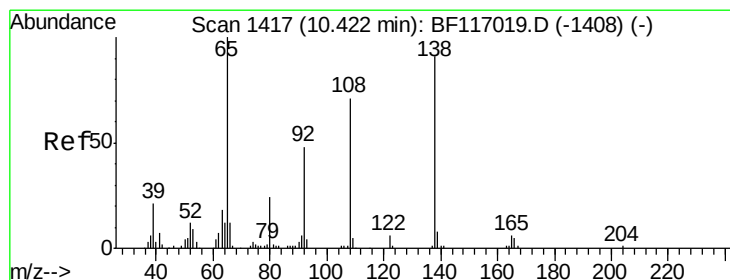
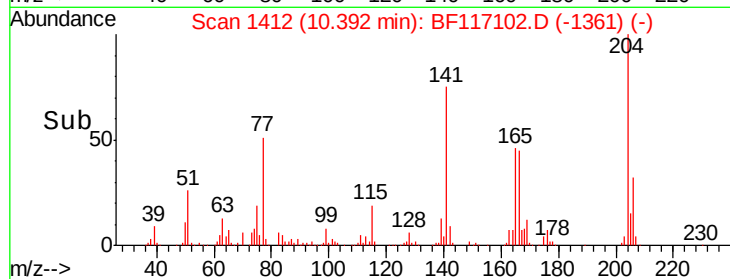
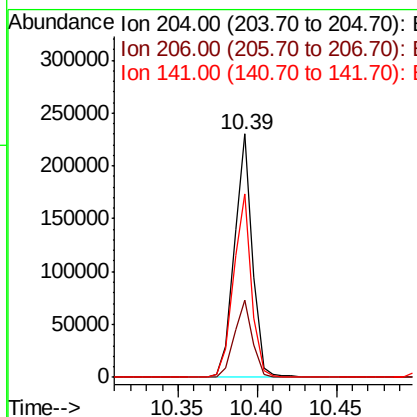
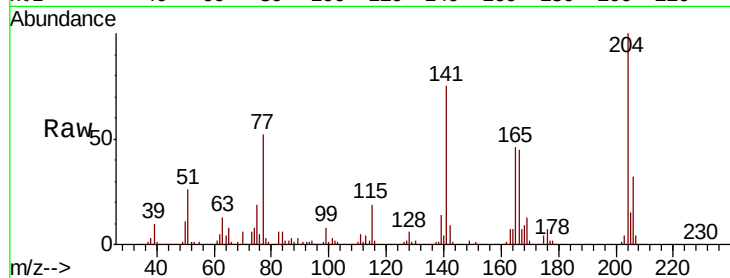




#61
 4-Chlorophenyl-phenylether
 Concen: 50.129 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

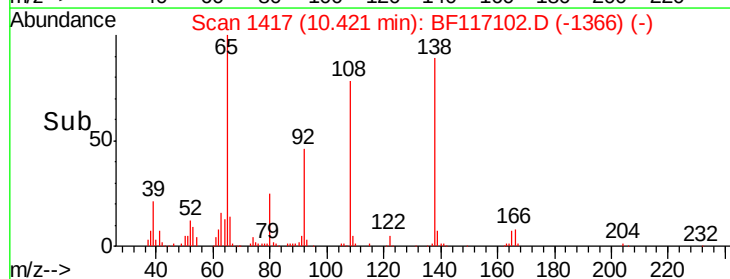
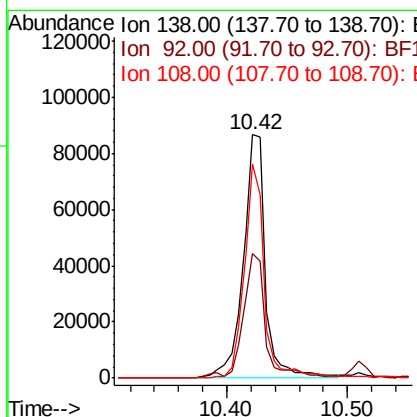
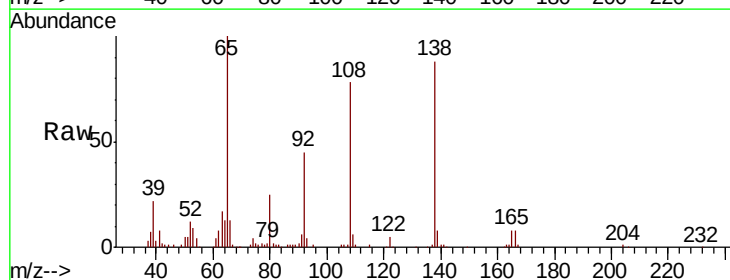
Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

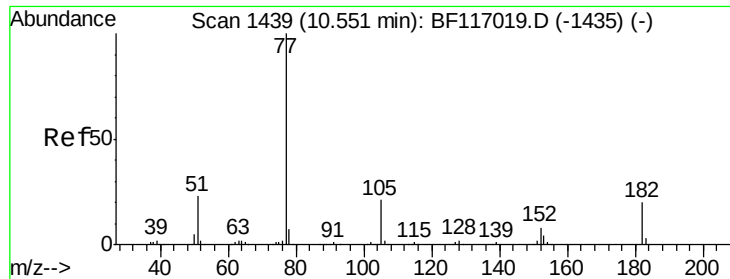
Tot Ion:	204	Resp:	181294
Ion	Ratio	Lower	Upper
204	100		
206	31.7	26.0	39.0
141	75.2	58.2	87.2



#62
 4-Nitroaniline
 Concen: 46.015 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Tgt Ion:	138	Resp:	111388
Ion	Ratio	Lower	Upper
138	100		
92	51.2	32.9	72.9
108	87.9	58.3	98.3





#63

Azobenzene

Concen: 50.774 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

Z2-0157MSD

Tot Ion: 77 Resp: 462139

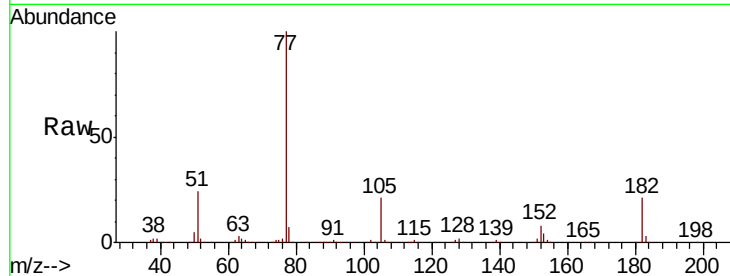
Ion Ratio Lower Upper

77 100

182 20.8 0.4 40.4

105 21.2 0.9 40.9

51 24.0 2.8 42.8

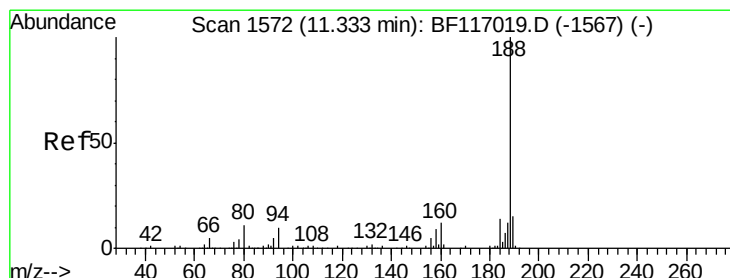
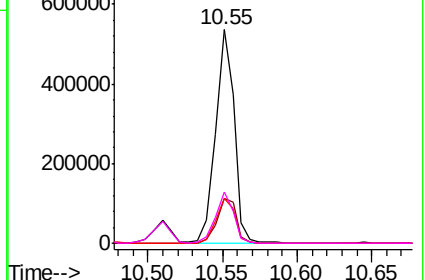
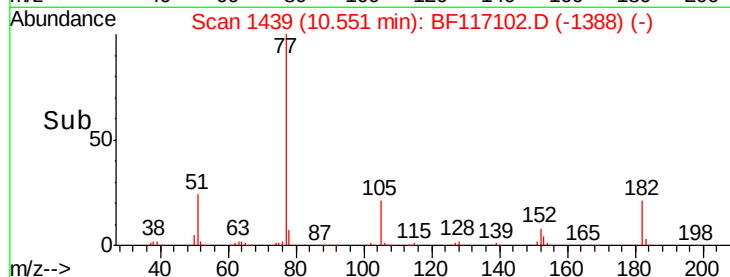


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.34 min Scan# 1573

Delta R.T. 0.01 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

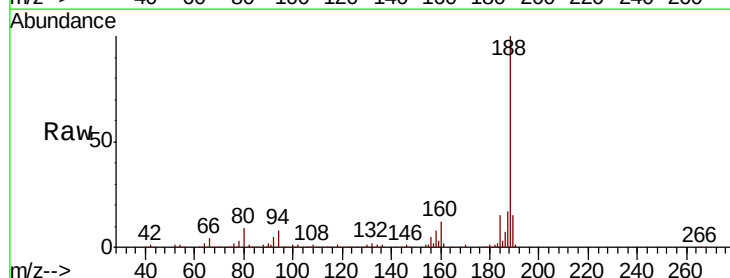
Tgt Ion: 188 Resp: 208693

Ion Ratio Lower Upper

188 100

94 7.7 8.2 12.2#

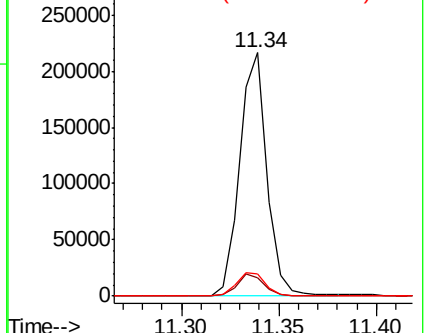
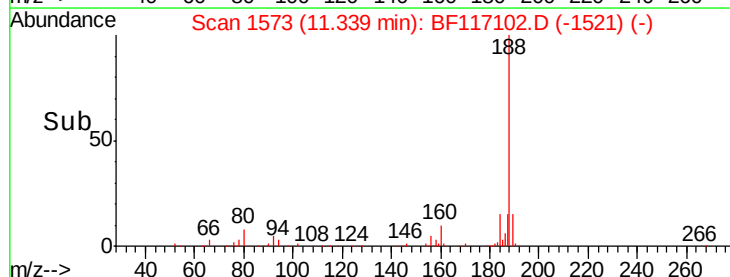
80 9.1 9.0 13.6

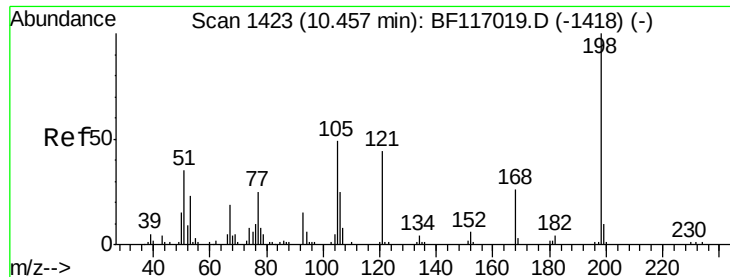


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

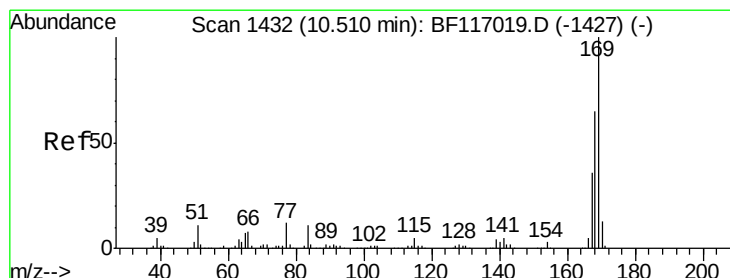
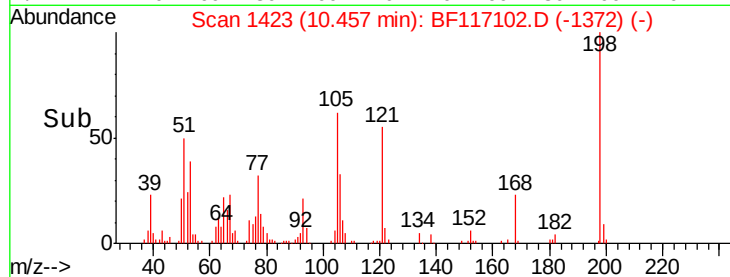
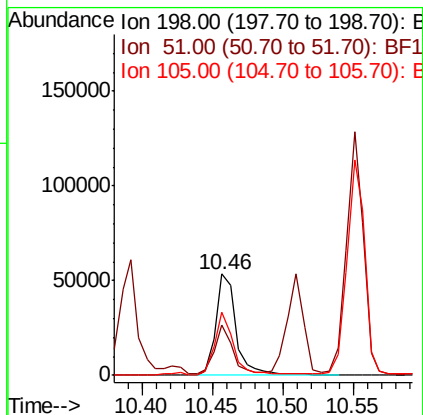
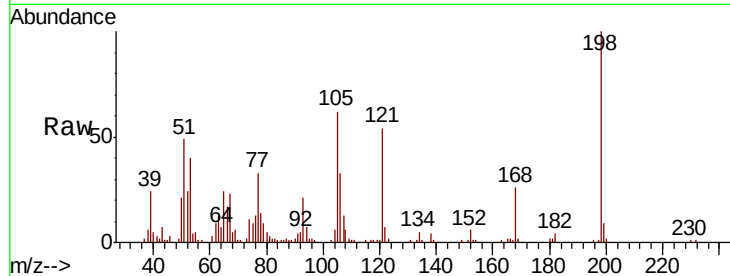




#65
4,6-Dinitro-2-methylphenol
Concen: 56.058 ng
RT: 10.46 min Scan# 1423
Delta R.T. 0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

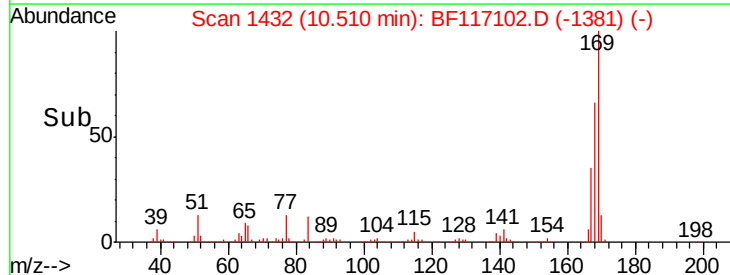
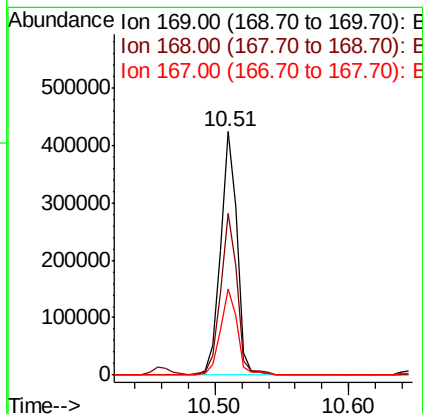
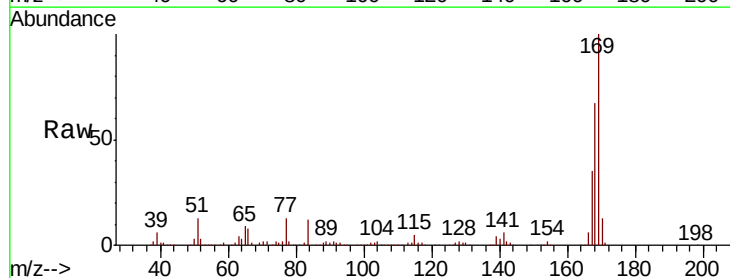
Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

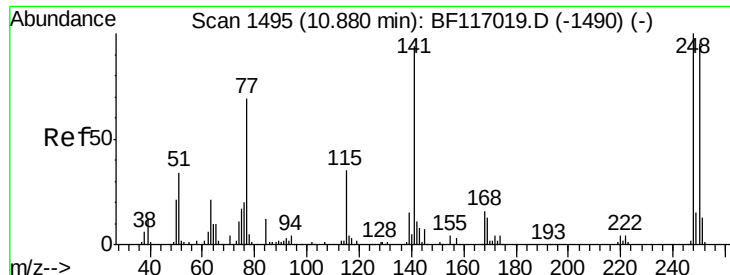
Tot Ion:198 Resp: 54592
Ion Ratio Lower Upper
198 100
51 49.3 18.7 58.7
105 61.7 30.2 70.2



#66
n-Nitrosodiphenylamine
Concen: 51.616 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion:169 Resp: 372020
Ion Ratio Lower Upper
169 100
168 66.6 52.2 78.2
167 35.4 28.8 43.2

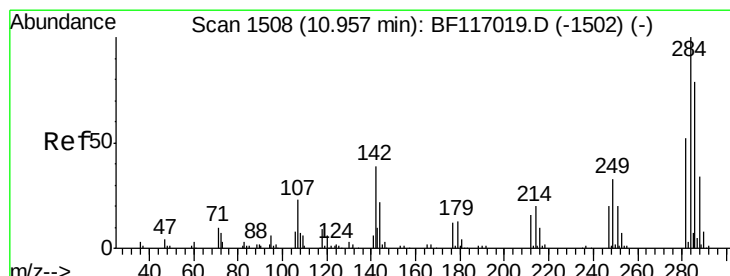
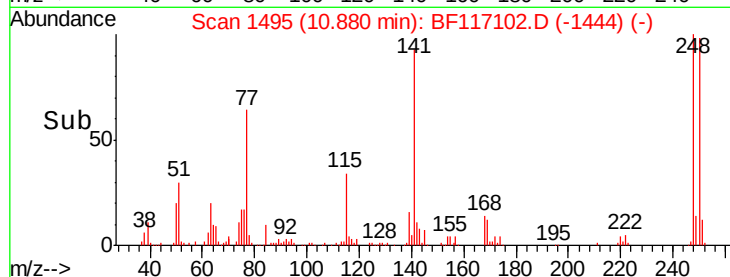
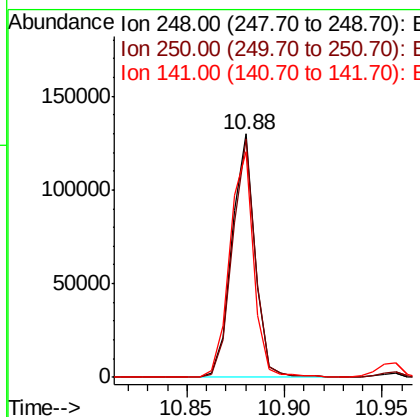
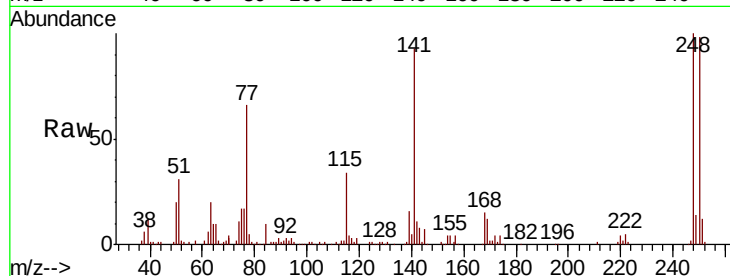




#67
 4-Bromophenyl-phenylether
 Concen: 49.922 ng
 RT: 10.88 min Scan# 1495
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

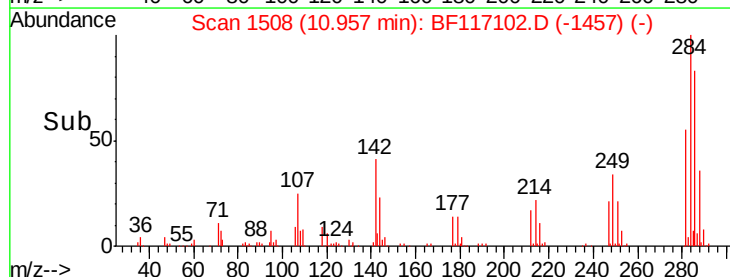
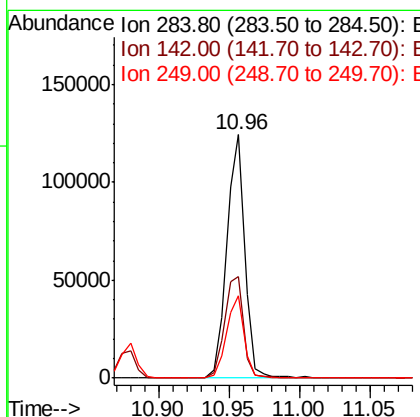
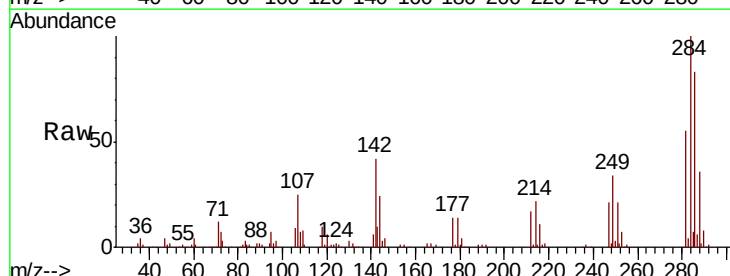
Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

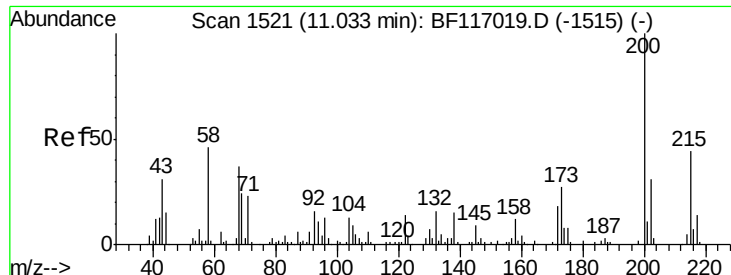
Tot Ion:248 Resp: 106396
 Ion Ratio Lower Upper
 248 100
 250 97.7 76.2 114.4
 141 92.6 75.0 112.4



#68
 Hexachlorobenzene
 Concen: 47.192 ng
 RT: 10.96 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Tgt Ion:284 Resp: 110009
 Ion Ratio Lower Upper
 284 100
 142 41.6 31.4 47.2
 249 34.1 26.5 39.7





#69

Atrazine

Concen: 61.437 ng

RT: 11.04 min Scan# 1522

Delta R.T. 0.01 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

Z2-0157MSD

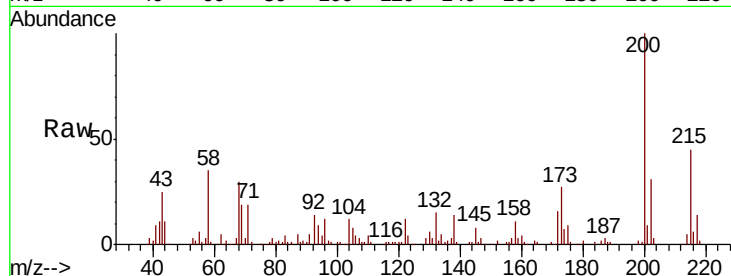
Tot Ion:200 Resp: 99791

Ion Ratio Lower Upper

200 100

173 27.1 6.9 46.9

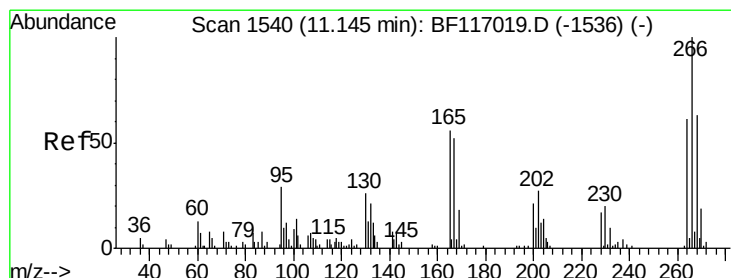
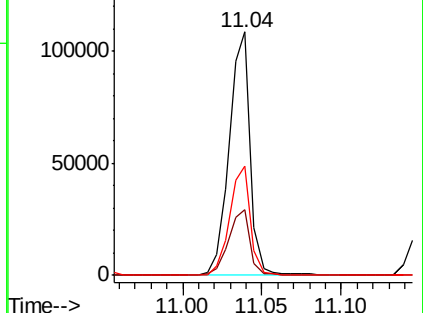
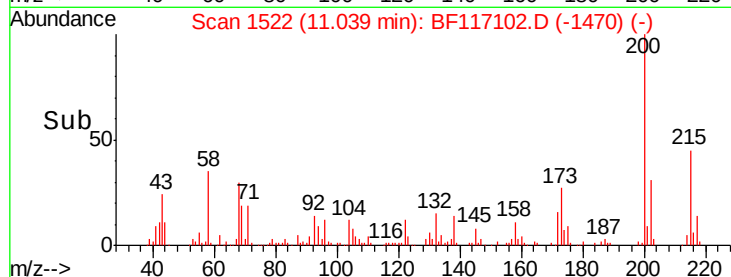
215 44.8 23.8 63.8



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: 102.958 ng

RT: 11.15 min Scan# 1541

Delta R.T. 0.01 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

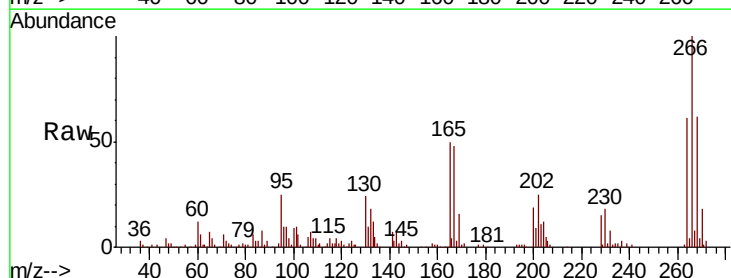
Tgt Ion:266 Resp: 112501

Ion Ratio Lower Upper

266 100

268 61.5 50.5 75.7

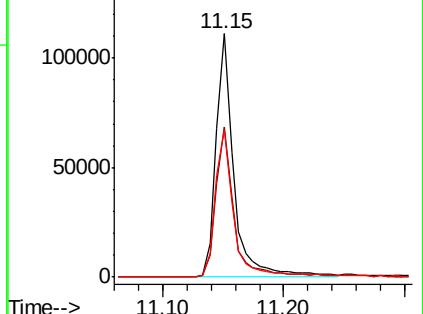
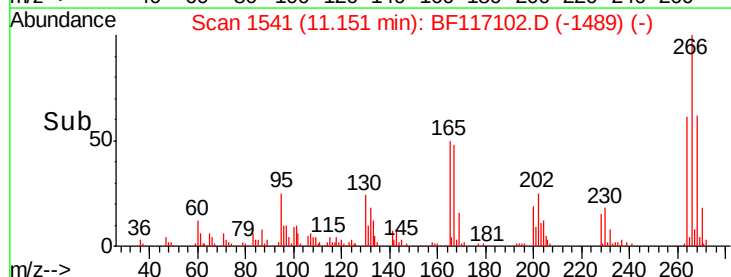
264 60.9 48.8 73.2

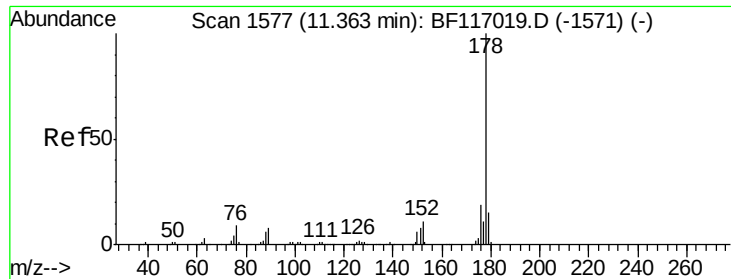


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

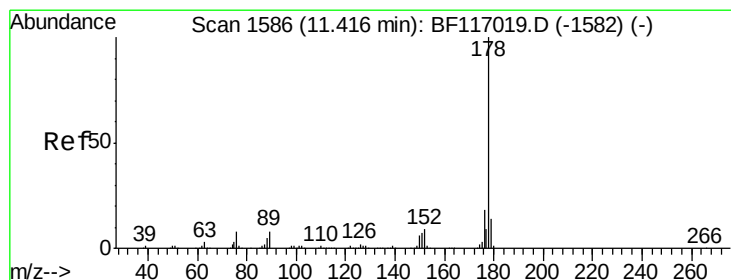
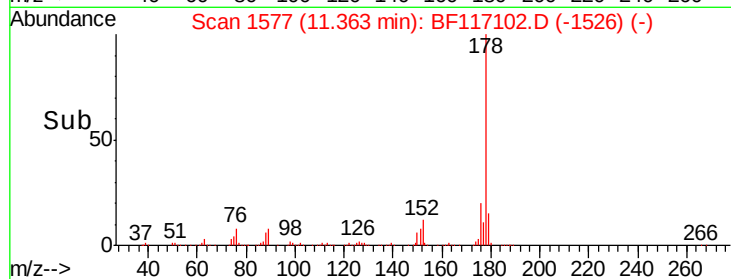
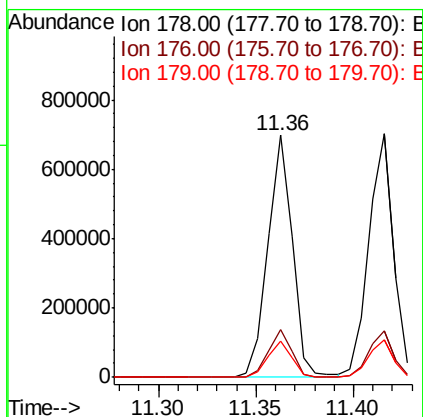
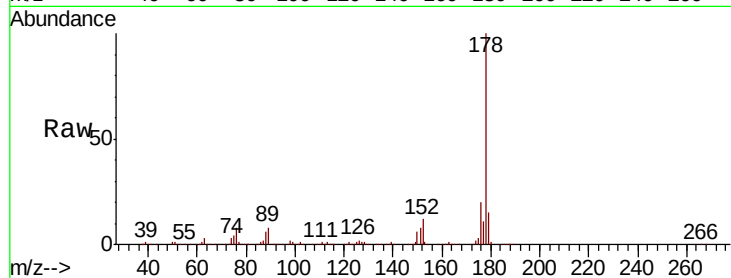




#71
Phenanthrene
Concen: 51.361 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

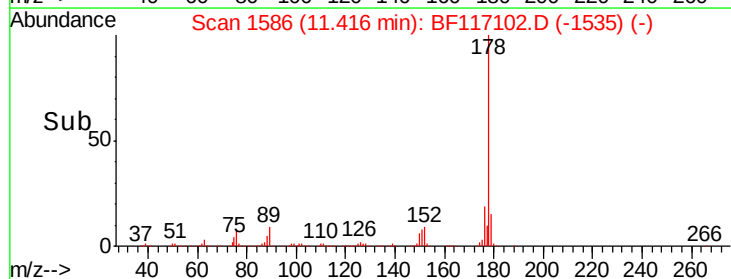
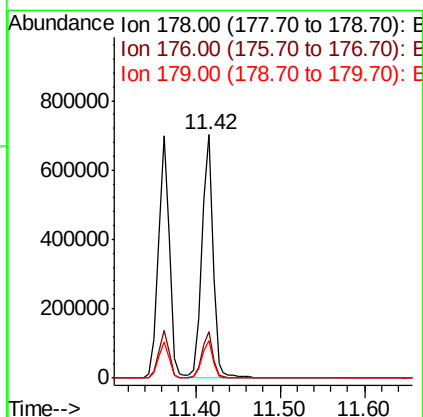
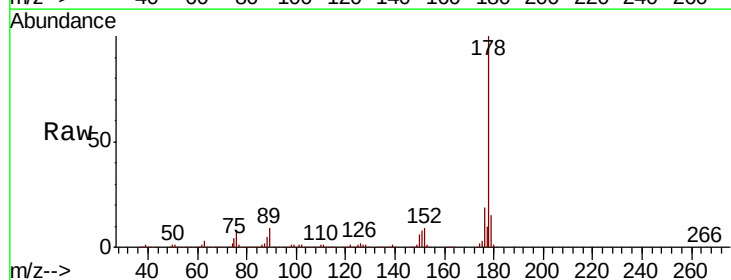
Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

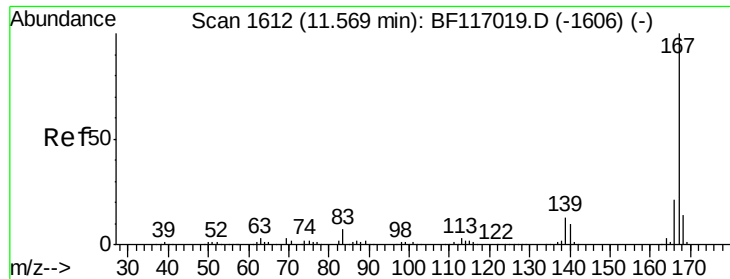
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.4	23.2
179	15.1	12.4	18.6



#72
Anthracene
Concen: 52.663 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.6	21.8
179	15.4	11.6	17.4

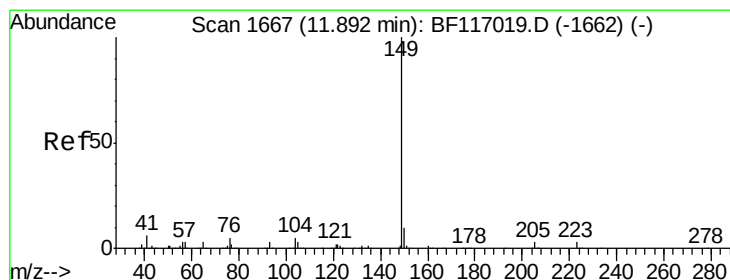
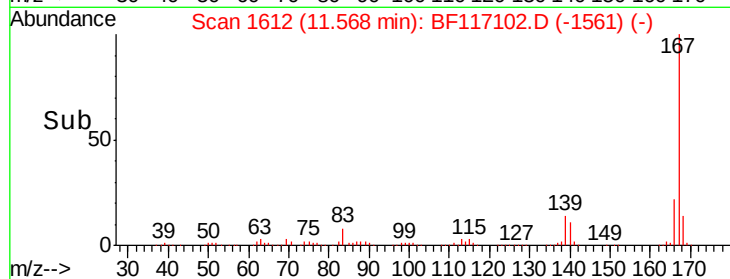
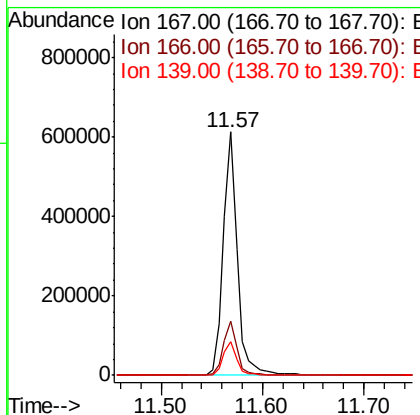
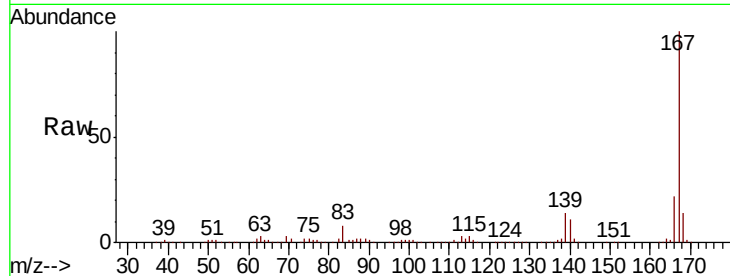




#73
 Carbazole
 Concen: 51.768 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

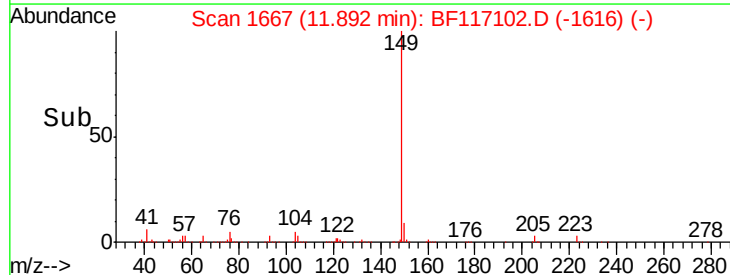
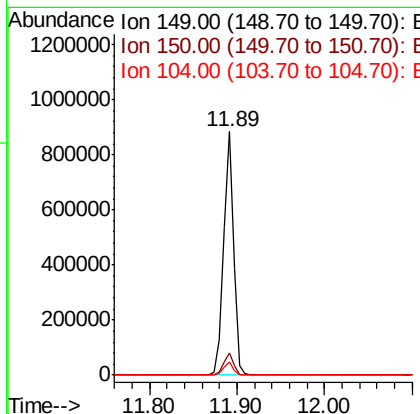
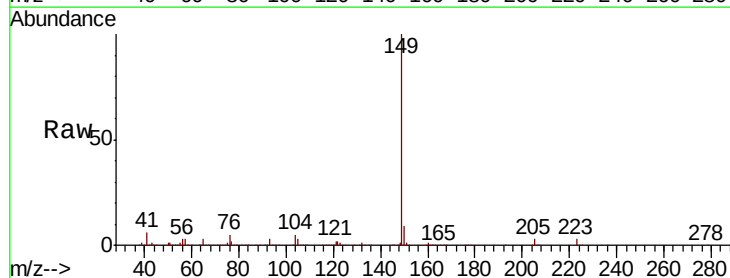
Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

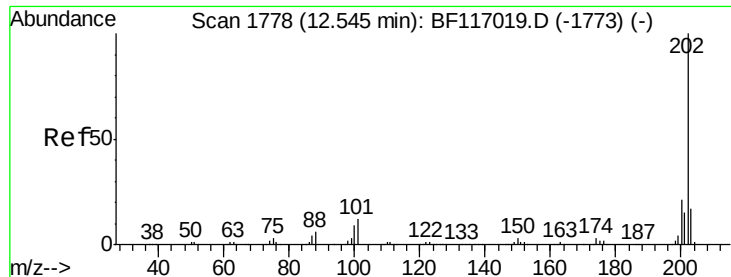
Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.2	25.8
139	13.9	10.6	16.0



#74
 Di-n-butylphthalate
 Concen: 51.929 ng
 RT: 11.89 min Scan# 1667
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.7	11.5
104	5.3	4.2	6.4

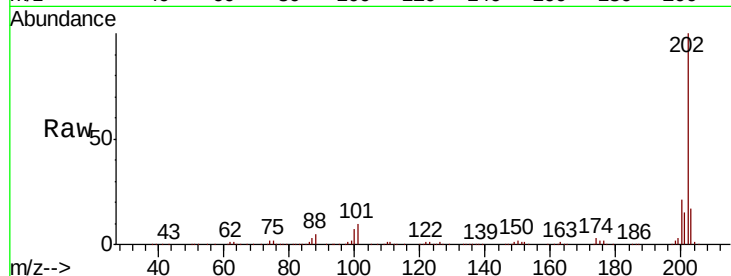




#75
 Fluoranthene
 Concen: 50.575 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	32.3
203	17.2	0.0	37.1

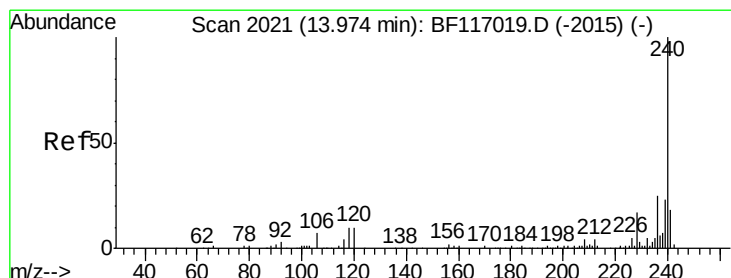
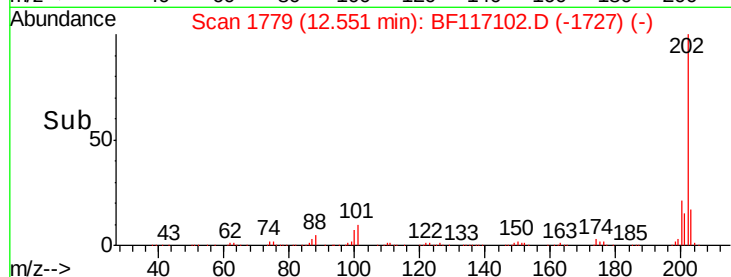
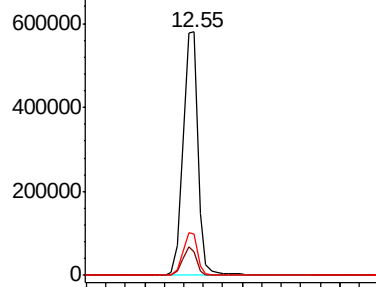


Abundance

Ion 202.00 (201.70 to 202.70): E

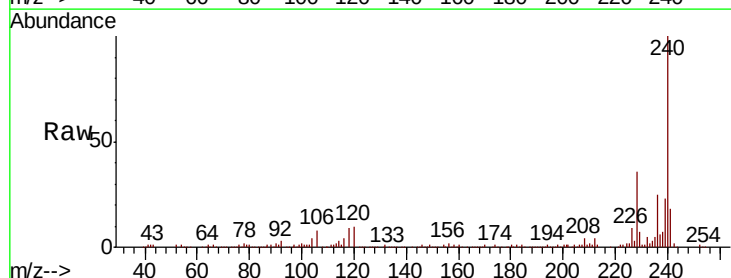
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.3	12.5
236	24.9	20.3	30.5

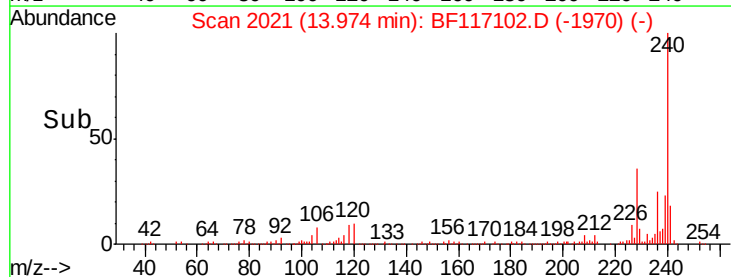
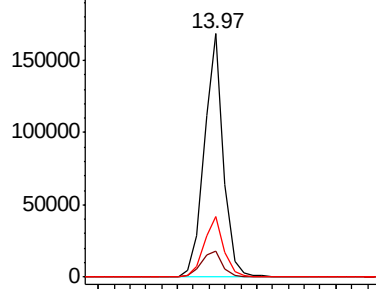


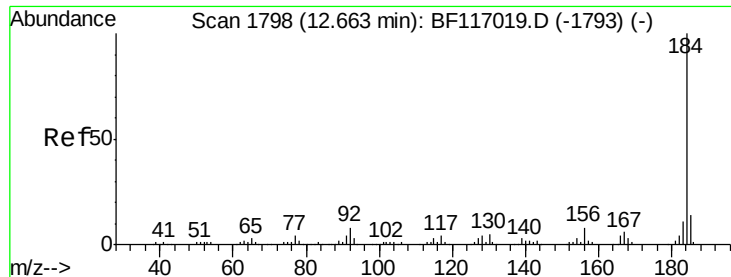
Abundance

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: 43.643 ng

RT: 12.67 min Scan# 1799

Delta R.T. 0.01 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

Z2-0157MSD

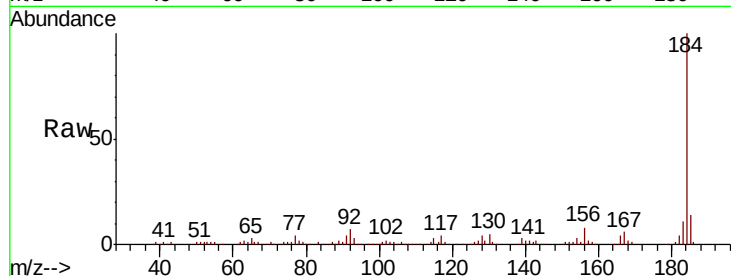
Tot Ion:184 Resp: 196636

Ion Ratio Lower Upper

184 100

185 14.0 11.6 17.4

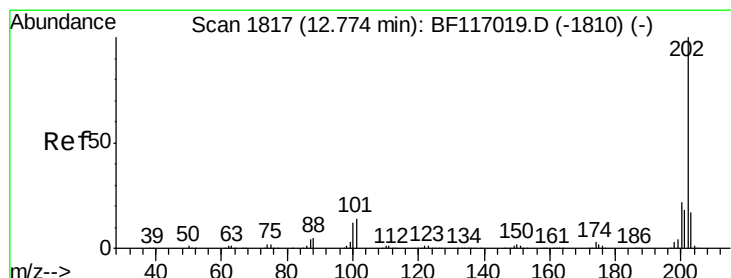
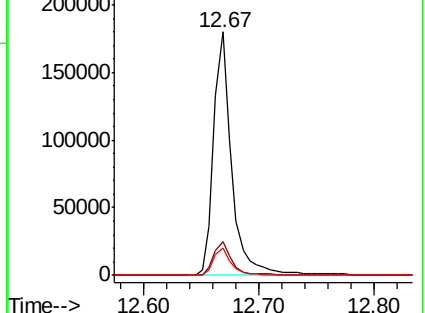
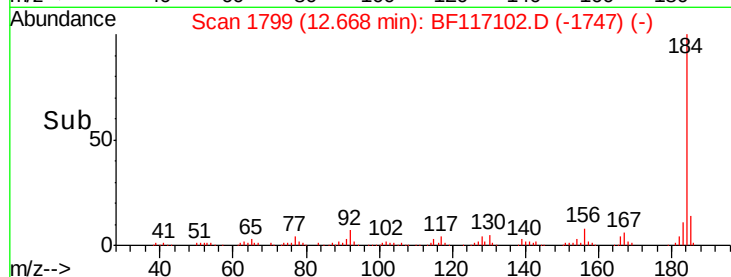
183 11.1 9.0 13.4



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 53.449 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

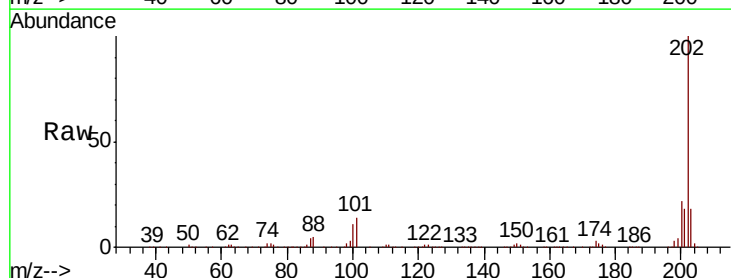
Tgt Ion:202 Resp: 627276

Ion Ratio Lower Upper

202 100

200 21.6 17.2 25.8

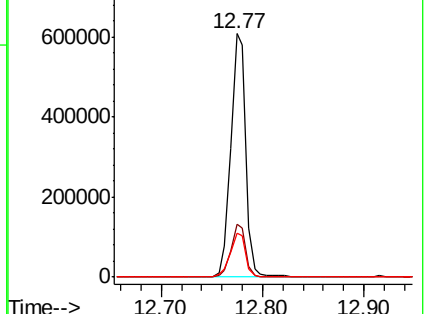
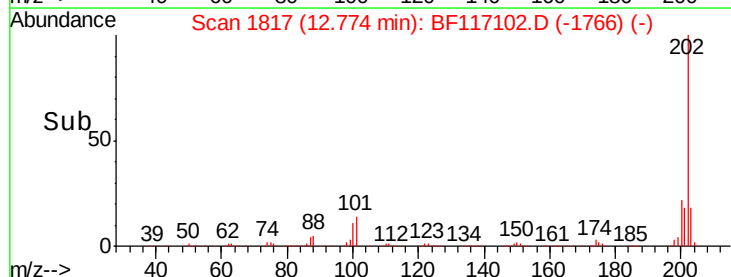
203 17.8 14.0 21.0

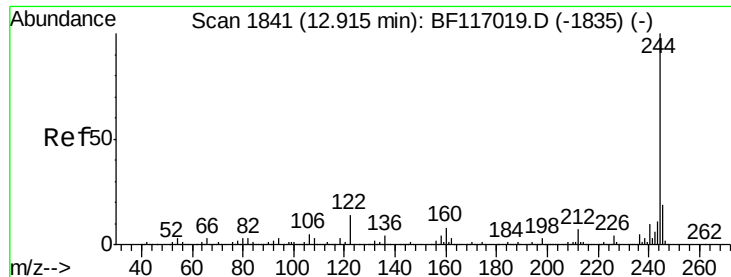


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

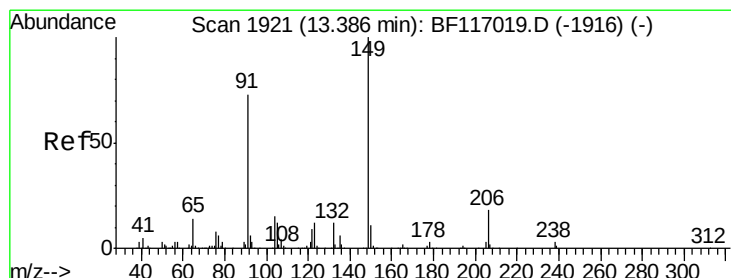
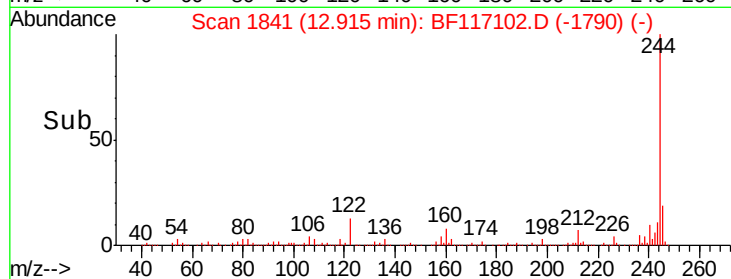
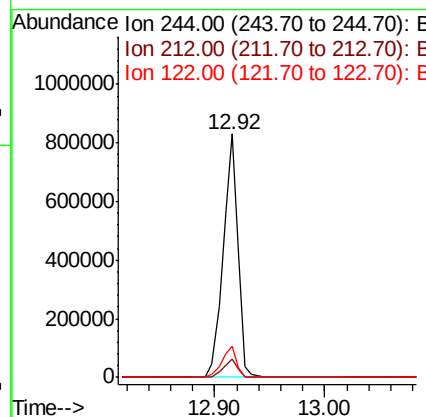
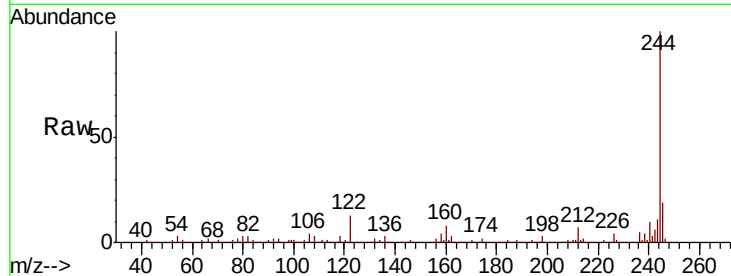




#79
 Terphenyl-d14
 Concen: 101.873 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

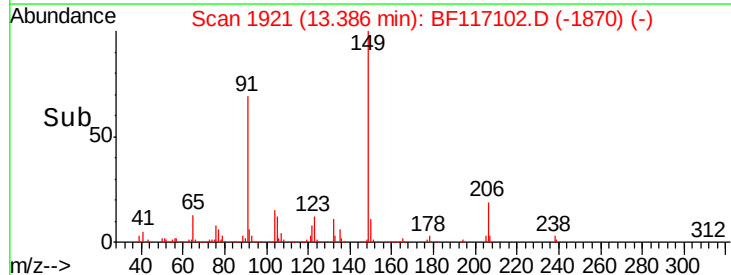
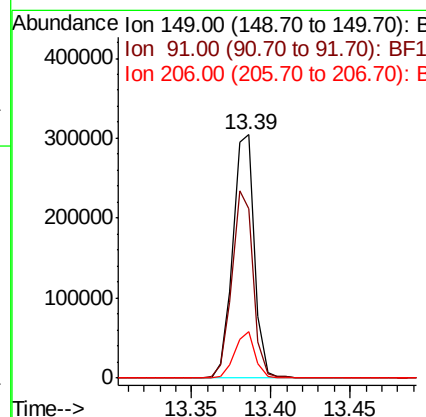
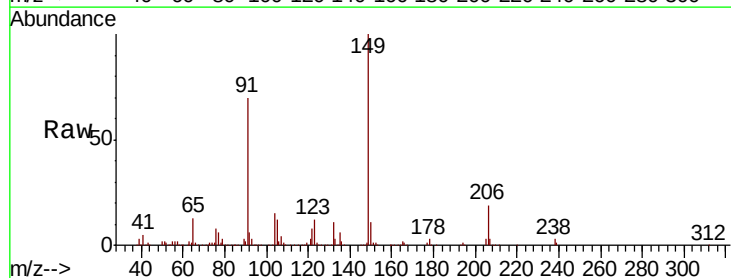
Instrument :
 BNA_F
 ClientSampleId :
 Z2-0157MSD

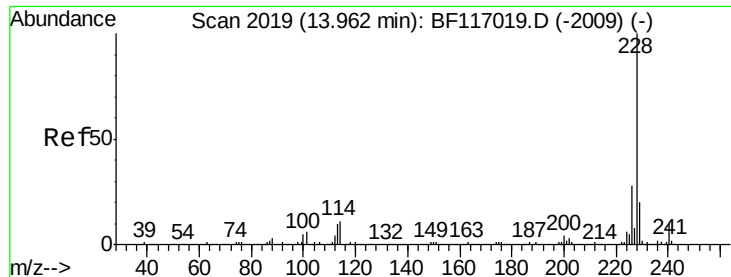
Tot Ion:244 Resp: 762285
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.8
 122 12.6 11.3 16.9



#80
 Butylbenzylphthalate
 Concen: 52.155 ng
 RT: 13.39 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: BF117102.D
 Acq: 17 Sep 2019 13:17

Tgt Ion:149 Resp: 289225
 Ion Ratio Lower Upper
 149 100
 91 69.7 58.8 88.2
 206 19.1 14.1 21.1





#81

Benzo(a)anthracene

Concen: 49.762 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

Z2-0157MSD

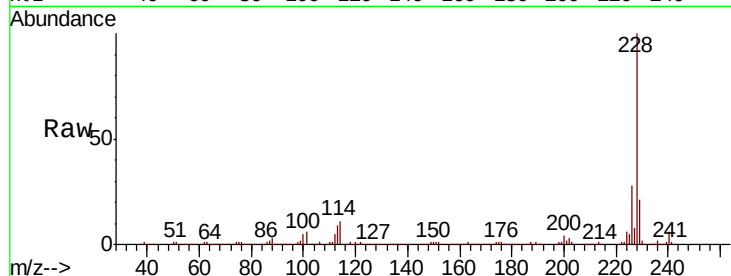
Tot Ion:228 Resp: 465010

Ion Ratio Lower Upper

228 100

226 27.9 22.3 33.5

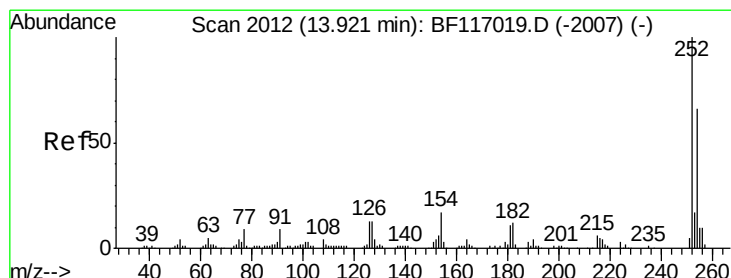
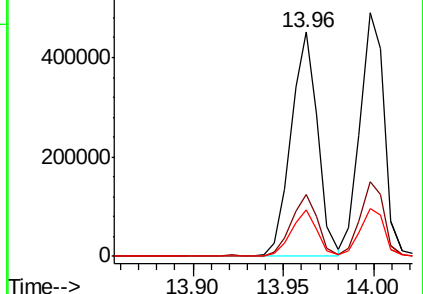
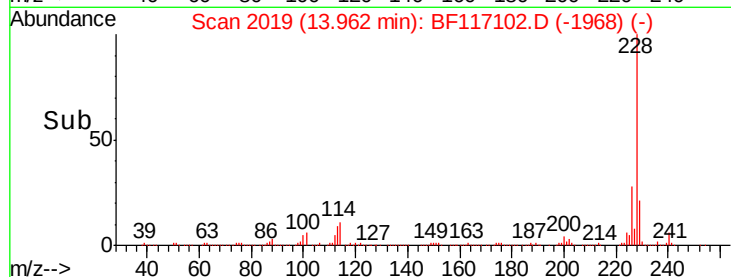
229 20.7 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 41.885 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

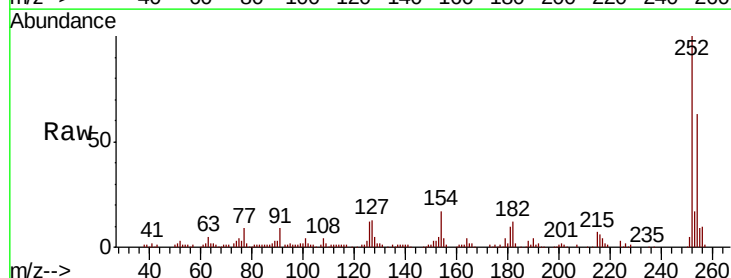
Tgt Ion:252 Resp: 126127

Ion Ratio Lower Upper

252 100

254 62.7 52.6 79.0

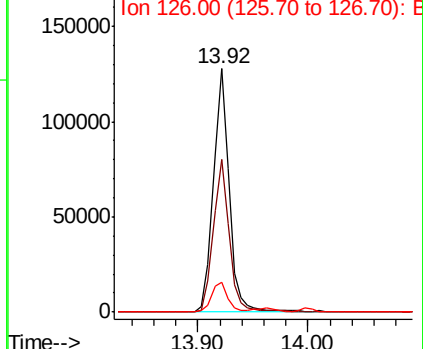
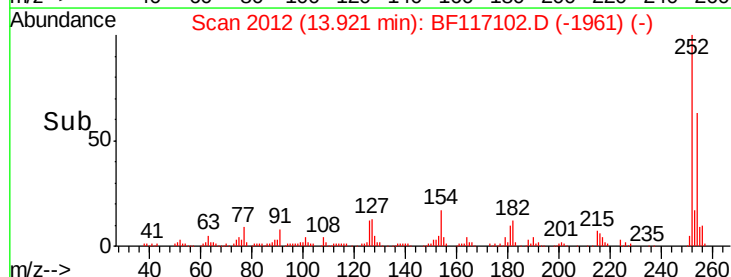
126 12.4 10.4 15.6

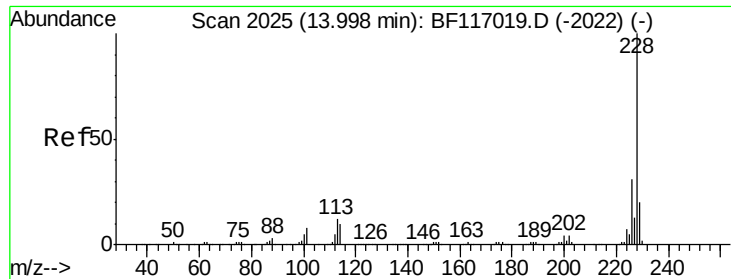


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 50.819 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

Z2-0157MSD

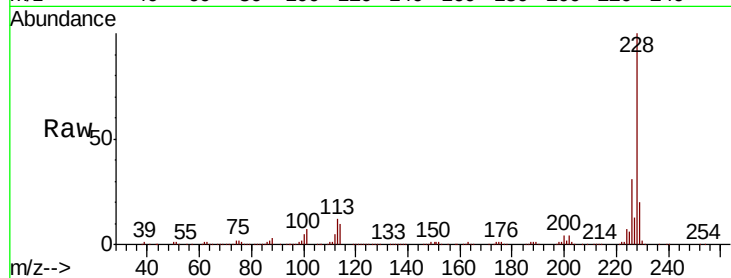
Tot Ion:228 Resp: 463175

Ion Ratio Lower Upper

228 100

226 30.8 24.8 37.2

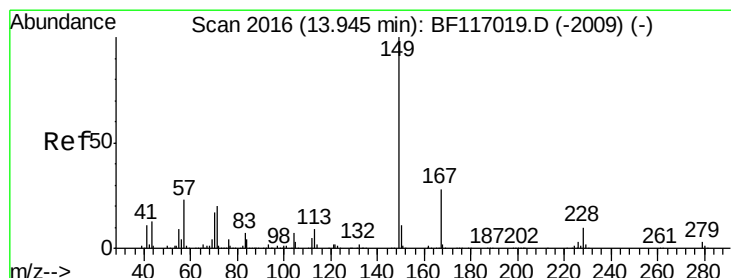
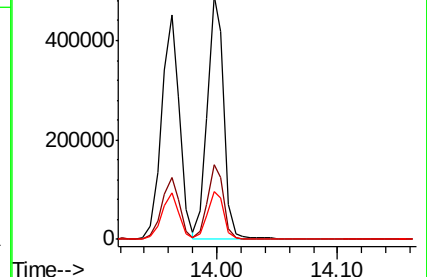
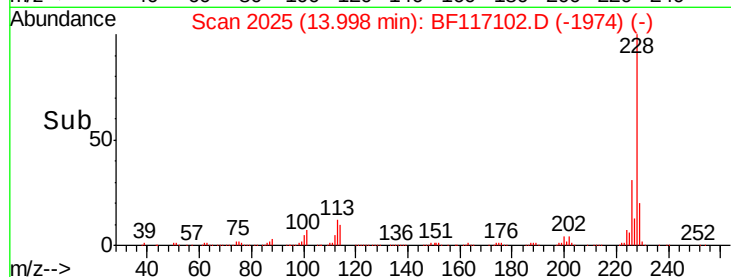
229 19.7 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 55.207 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BF117102.D

Acq: 17 Sep 2019 13:17

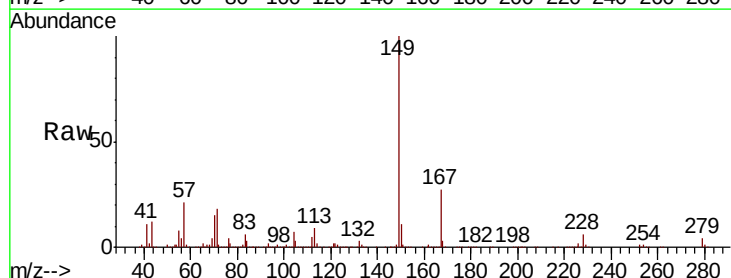
Tgt Ion:149 Resp: 394733

Ion Ratio Lower Upper

149 100

167 26.8 22.2 33.2

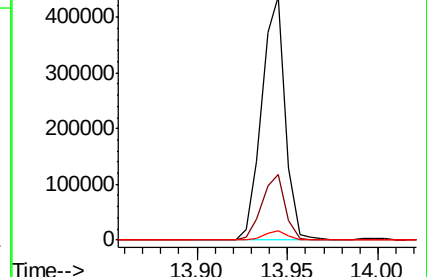
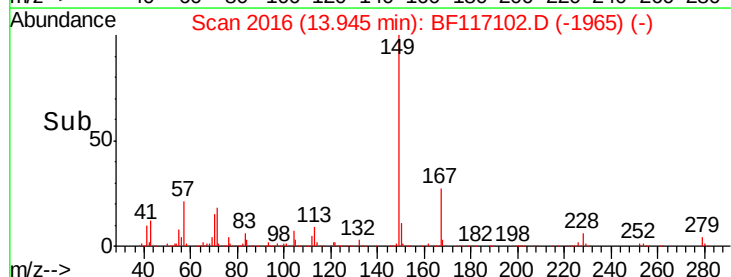
279 3.6 2.8 4.2

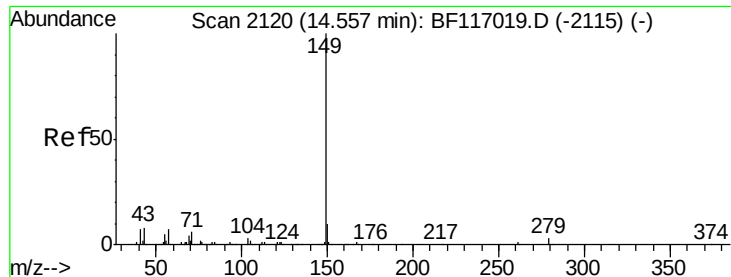


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

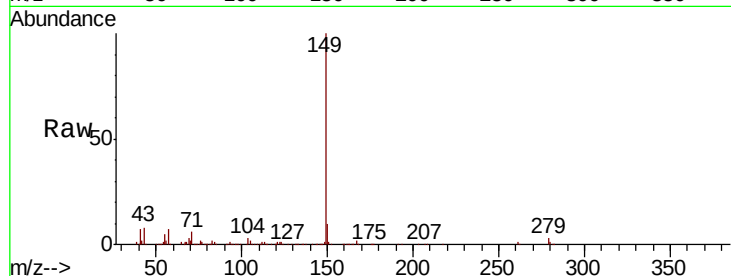




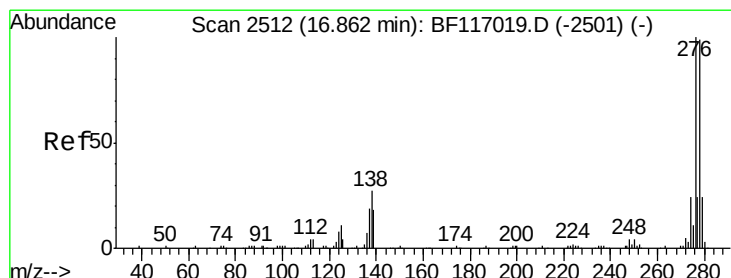
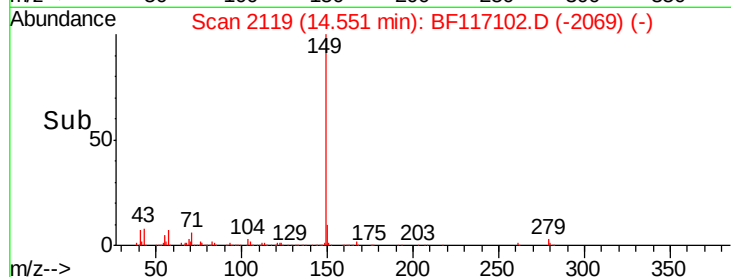
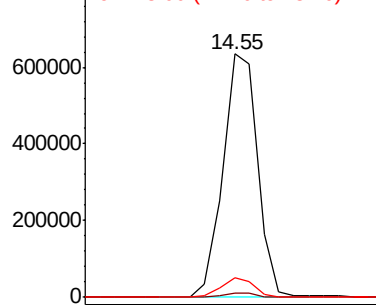
#85
Di-n-octyl phthalate
Concen: 53.788 ng
RT: 14.55 min Scan# 2119
Delta R.T. -0.01 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	7.5	6.2	9.4

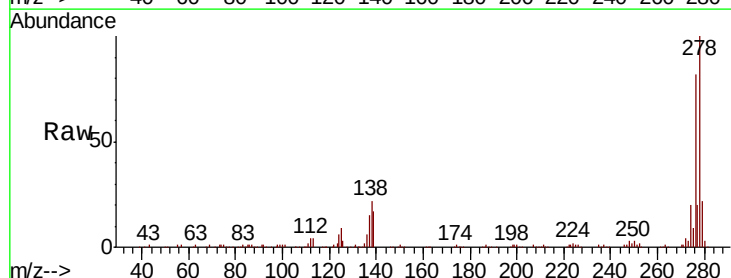


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

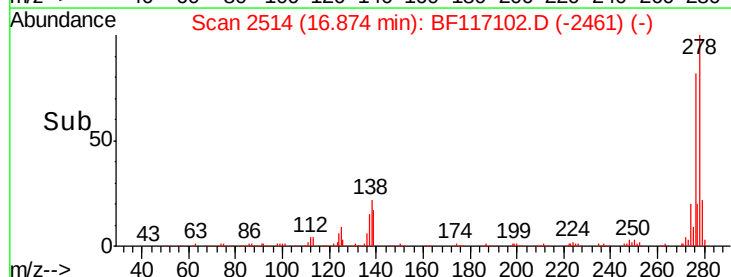
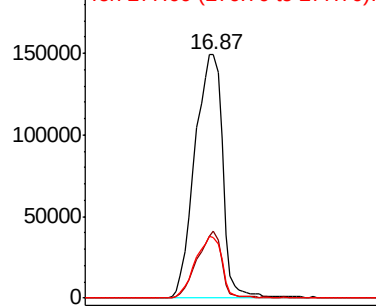


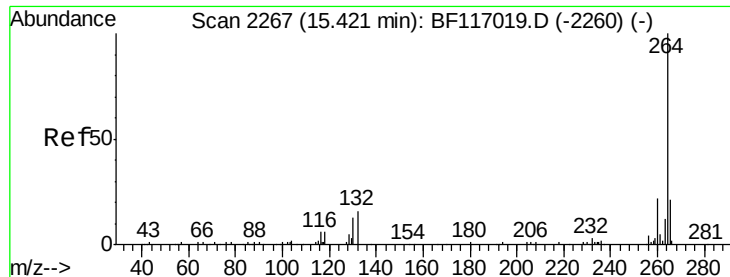
#86
Indeno(1,2,3-cd)pyrene
Concen: 61.458 ng
RT: 16.87 min Scan# 2514
Delta R.T. 0.01 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.1	20.7	31.1
277	24.6	19.8	29.8



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



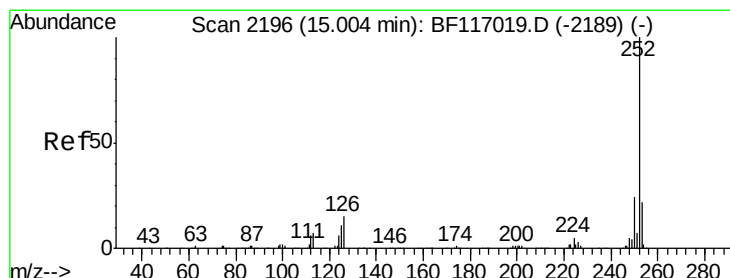
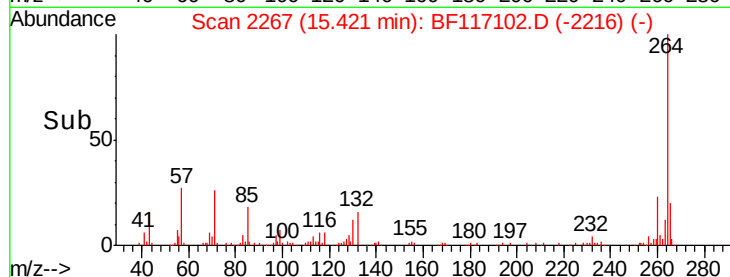
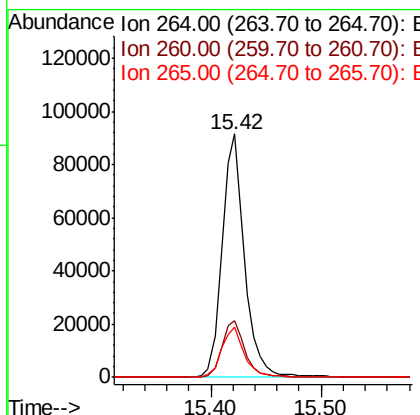
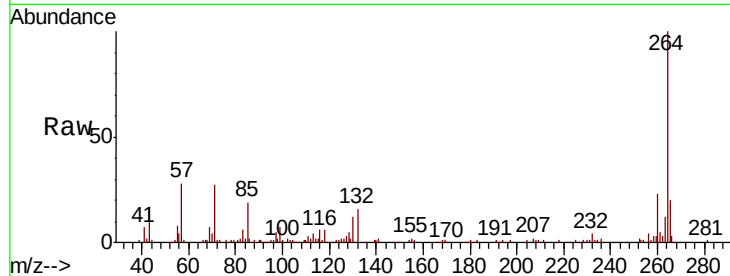


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

Tot Ion:264 Resp: 129641

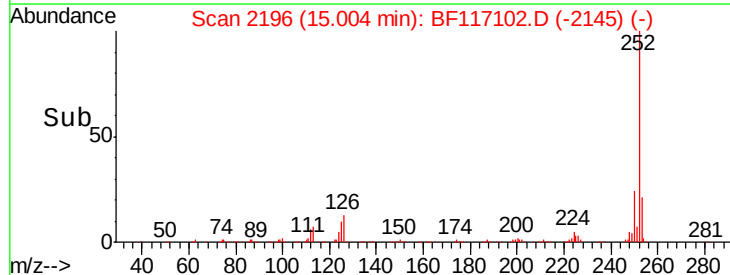
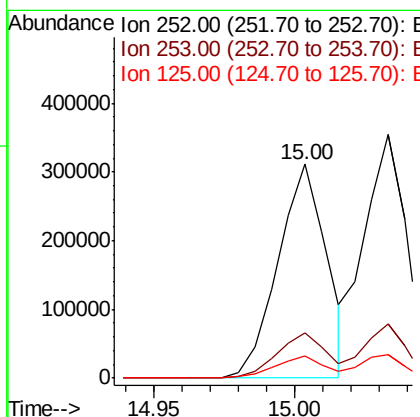
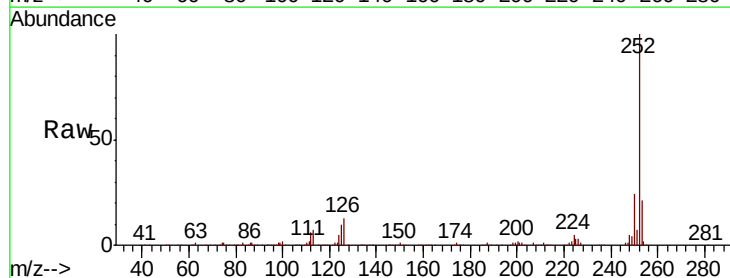
Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.6	26.4
265	20.5	16.6	24.8

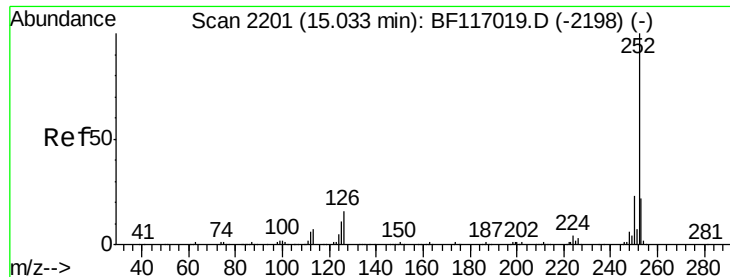


#88
Benzo(b)fluoranthene
Concen: 47.289 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion:252 Resp: 371349

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.6	26.4
125	10.3	8.6	12.8

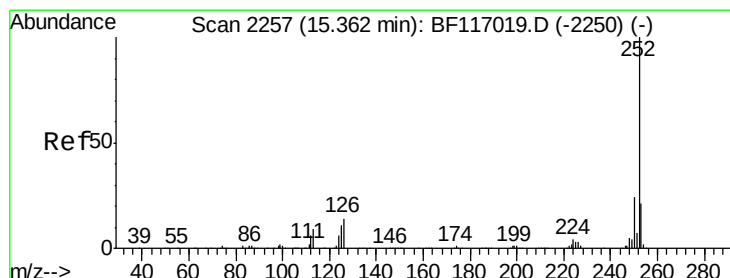
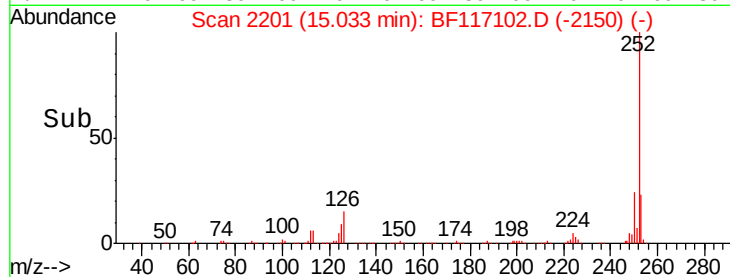
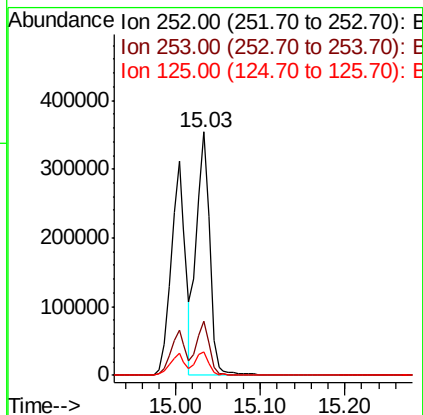
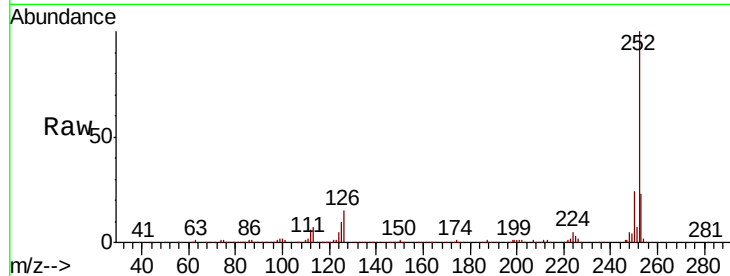




#89
Benzo(k)fluoranthene
Concen: 51.283 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

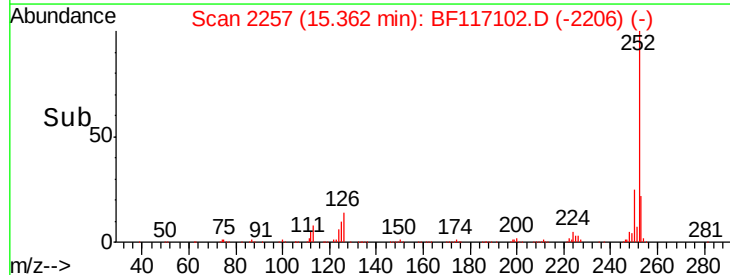
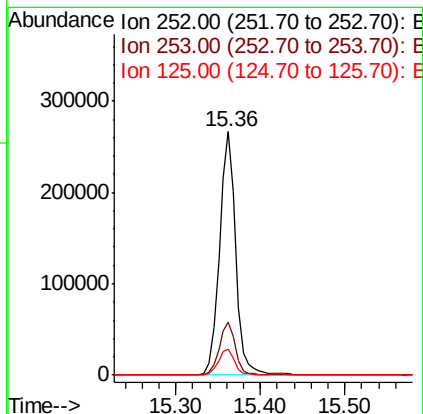
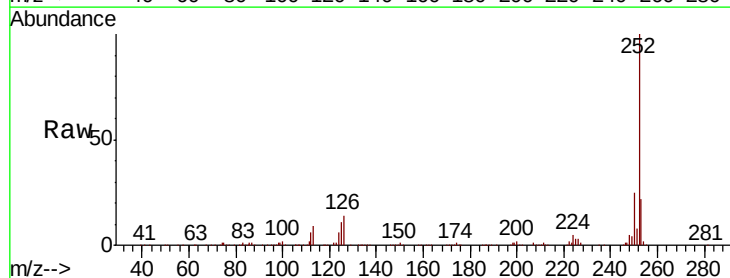
Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

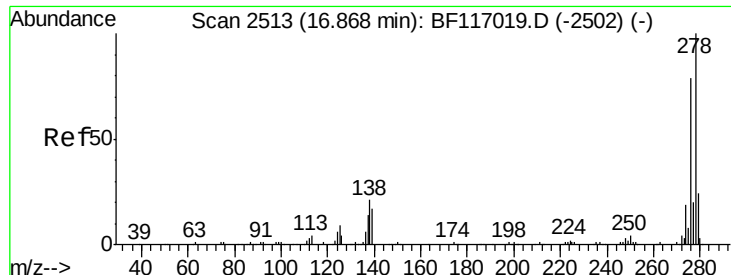
Tot Ion:252 Resp: 381486
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 9.6 8.8 13.2



#90
Benzo(a)pyrene
Concen: 52.141 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.00 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion:252 Resp: 359301
Ion Ratio Lower Upper
252 100
253 21.9 16.6 25.0
125 10.7 8.9 13.3

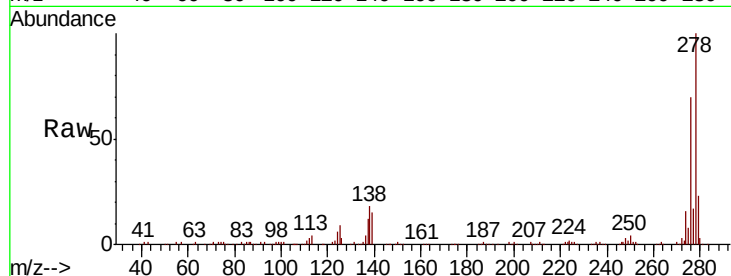




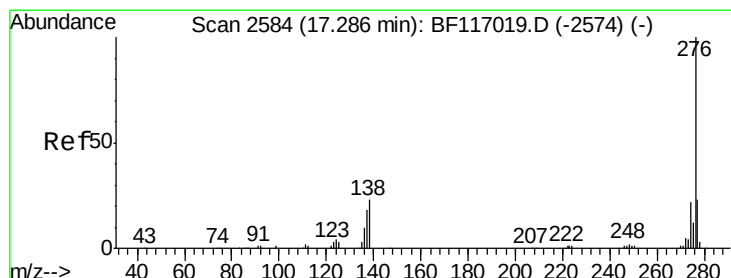
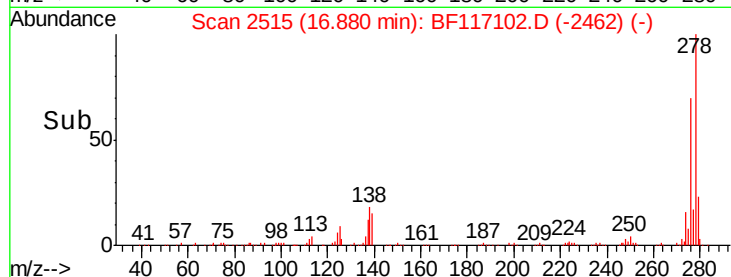
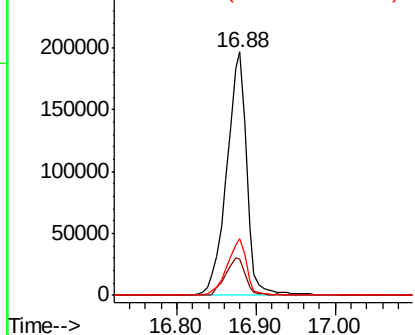
#91
Dibenzo(a,h)anthracene
Concen: 62.494 ng
RT: 16.88 min Scan# 2515
Delta R.T. 0.01 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Instrument :
BNA_F
ClientSampleId :
Z2-0157MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.9	13.5	20.3
279	23.4	18.8	28.2

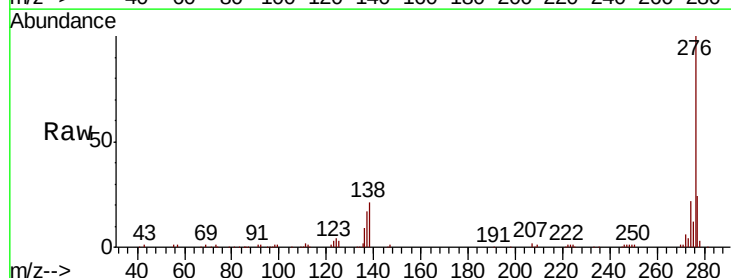


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 61.716 ng
RT: 17.30 min Scan# 2587
Delta R.T. 0.02 min
Lab File: BF117102.D
Acq: 17 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.6	27.8
138	21.1	18.0	27.0



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

