

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117062.D
 Acq On : 16 Sep 2019 14:51
 Operator : HP/JU
 Sample : K4871-03MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

Quant Time: Sep 17 05:12:19 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	55562	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	223653	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	113858	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	177708	20.00	ng	0.00
76) Chrysene-d12	13.97	240	108143	20.00	ng	0.00
87) Perylene-d12	15.43	264	127644	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	215416	60.53	ng	0.00
7) Phenol-d6	6.46	99	190656	41.45	ng	0.00
23) Nitrobenzene-d5	7.39	82	378458	88.91	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	132774	139.53	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	652768	89.64	ng	0.00
79) Terphenyl-d14	12.92	244	565039	97.67	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.55	88	20724	13.916	ng	# 92
3) Pyridine	3.35	79	25325	6.213	ng	97
4) n-Nitrosodimethylamine	3.23	42	19590	14.005	ng	# 90
6) Aniline	6.49	93	105828	17.872	ng	96
8) 2-Chlorophenol	6.61	128	148621	38.711	ng	98
9) Benzaldehyde	6.37	77	75195	30.473	ng	98
10) Phenol	6.47	94	97813	19.291	ng	96
11) bis(2-Chloroethyl)ether	6.56	93	155015	41.598	ng	97
12) 1,3-Dichlorobenzene	6.76	146	154315	35.819	ng	98
13) 1,4-Dichlorobenzene	6.84	146	159341	36.242	ng	98
14) 1,2-Dichlorobenzene	6.99	146	152293	37.205	ng	95
15) Benzyl Alcohol	6.96	79	88923	25.212	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.10	45	150953	41.001	ng	93
17) 2-Methylphenol	7.09	107	103743	32.242	ng	94
18) Hexachloroethane	7.33	117	59644	35.264	ng	98
19) n-Nitroso-di-n-propylamine	7.23	70	128678	45.946	ng	94
20) 3+4-Methylphenols	7.24	107	121647	30.352	ng	# 73
22) Acetophenone	7.23	105	258937	45.569	ng	96
24) Nitrobenzene	7.40	77	192075	45.693	ng	98
25) Isophorone	7.65	82	352400	46.758	ng	100
26) 2-Nitrophenol	7.72	139	89505	49.571	ng	97
27) 2,4-Dimethylphenol	7.76	122	133031	46.461	ng	98
28) bis(2-Chloroethoxy)methane	7.85	93	207631	44.715	ng	100
29) 2,4-Dichlorophenol	7.97	162	135467	45.153	ng	96
30) 1,2,4-Trichlorobenzene	8.05	180	126645	39.072	ng	98
31) Naphthalene	8.13	128	465962	43.320	ng	99
32) Benzoic acid	7.84	122	10429	10.755	ng	88
33) 4-Chloroaniline	8.17	127	77423	16.229	ng	99
34) Hexachlorobutadiene	8.25	225	66822	36.337	ng	99
35) Caprolactam	8.55	113	5924	5.834	ng	# 87
36) 4-Chloro-3-methylphenol	8.66	107	152418	43.569	ng	99
37) 2-Methylnaphthalene	8.82	142	327888	45.268	ng	98
38) 1-Methylnaphthalene	8.92	142	300771	44.336	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.98	216	129991	44.213	ng	97

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117062.D
 Acq On : 16 Sep 2019 14:51
 Operator : HP/JU
 Sample : K4871-03MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

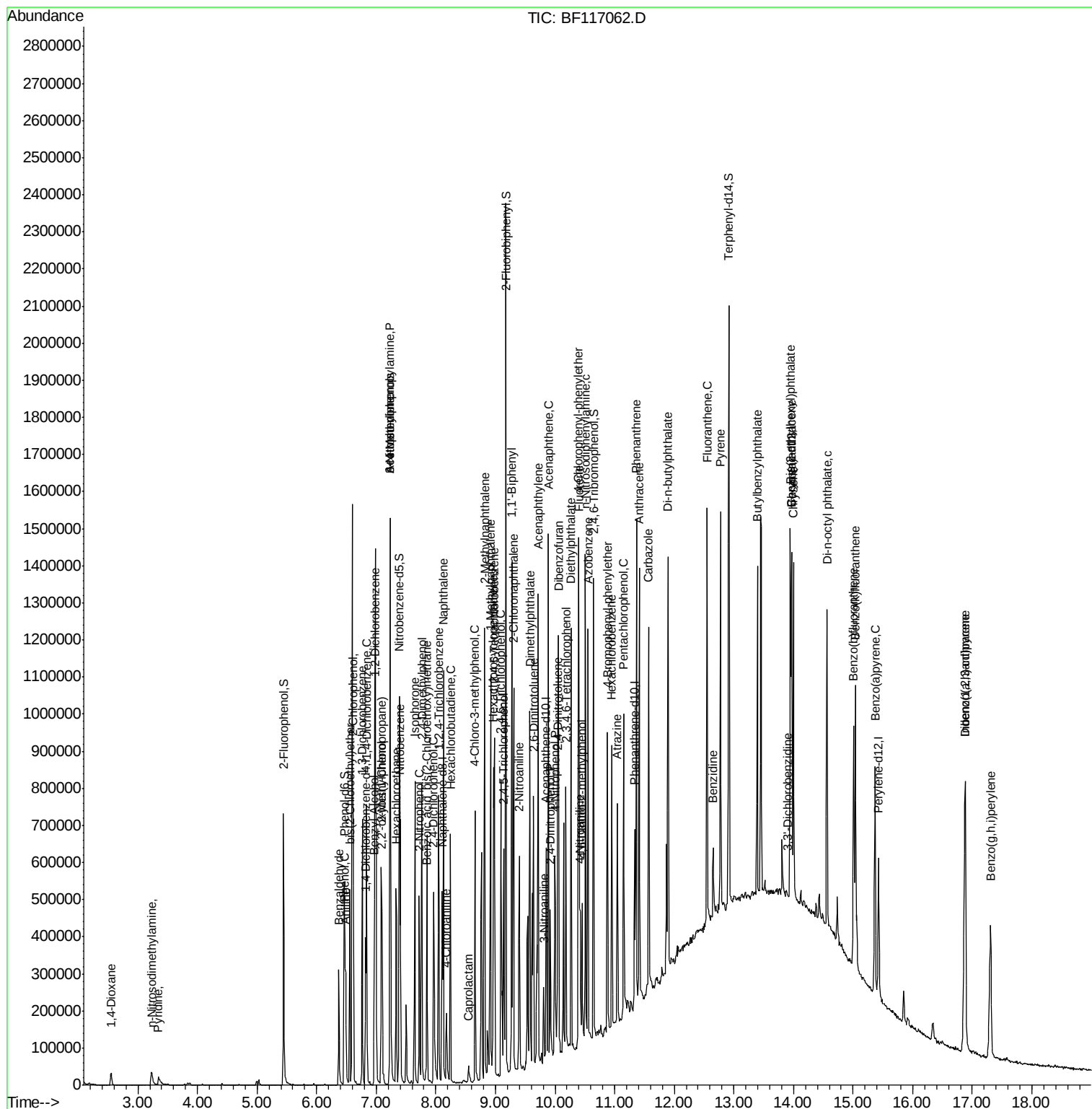
Quant Time: Sep 17 05:12:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

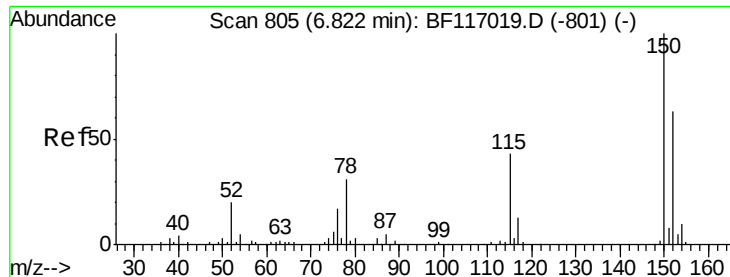
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	103573	79.726	nq	100
43) 2,4,6-Trichlorophenol	9.09	196	95064	47.645	nq	100
44) 2,4,5-Trichlorophenol	9.14	196	100948	47.355	nq	96
46) 1,1'-Biphenyl	9.27	154	398544	44.625	nq	100
47) 2-Chloronaphthalene	9.30	162	311829	44.241	nq	98
48) 2-Nitroaniline	9.40	65	101711	44.989	nq	93
49) Acenaphthylene	9.72	152	485629	45.992	nq	100
50) Dimethylphthalate	9.57	163	408235	50.639	nq	99
51) 2,6-Dinitrotoluene	9.64	165	85146	51.858	nq	99
52) Acenaphthene	9.89	154	281529	44.978	nq	99
53) 3-Nitroaniline	9.81	138	38012	18.349	nq	95
54) 2,4-Dinitrophenol	9.92	184	56927	80.262	nq	93
55) Dibenzofuran	10.06	168	439282	47.567	nq	97
56) 4-Nitrophenol	9.99	139	40823	30.405	nq	96
57) 2,4-Dinitrotoluene	10.05	165	110546	51.868	nq	94
58) Fluorene	10.40	166	351196	47.209	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.18	232	79618	48.806	nq	# 99
60) Diethylphthalate	10.27	149	376611	47.484	nq	99
61) 4-Chlorophenyl-phenylether	10.39	204	151780	47.156	nq	99
62) 4-Nitroaniline	10.42	138	70862	32.892	nq	94
63) Azobenzene	10.55	77	377937	46.656	nq	98
65) 4,6-Dinitro-2-methylphenol	10.46	198	46548	56.123	nq	94
66) n-Nitrosodiphenylamine	10.51	169	307268	50.066	nq	99
67) 4-Bromophenyl-phenylether	10.88	248	86926	47.898	nq	98
68) Hexachlorobenzene	10.95	284	91061	45.875	nq	# 92
69) Atrazine	11.05	200	77290	53.135	nq	96
70) Pentachlorophenol	11.15	266	101809	109.419	nq	98
71) Phenanthrene	11.36	178	481601	47.713	nq	100
72) Anthracene	11.42	178	508702	49.365	nq	99
73) Carbazole	11.57	167	452318	46.242	nq	98
74) Di-n-butylphthalate	11.89	149	573838	49.308	nq	100
75) Fluoranthene	12.55	202	461540	44.502	nq	97
77) Benzidine	12.66	184	795	0.228	nq	# 1
78) Pyrene	12.78	202	459448	50.633	nq	100
80) Butylbenzylphthalate	13.39	149	208702	48.675	nq	97
81) Benzo(a)anthracene	13.97	228	335396	46.420	nq	98
82) 3,3'-Dichlorobenzidine	13.91	252	726	0.312	nq	# 1
83) Chrysene	14.00	228	340228	48.281	nq	98
84) Bis(2-ethylhexyl)phthalate	13.94	149	292138	52.844	nq	99
85) Di-n-octyl phthalate	14.56	149	459387	52.796	nq	100
86) Indeno(1,2,3-cd)pyrene	16.87	276	384713	74.830	nq	98
88) Benzo(b)fluoranthene	15.01	252	316987	40.998	nq	99
89) Benzo(k)fluoranthene	15.04	252	324310	44.279	nq	99
90) Benzo(a)pyrene	15.37	252	318133	46.889	nq	99
91) Dibenzo(a,h)anthracene	16.89	278	322670	59.698	nq	97
92) Benzo(g,h,i)perylene	17.31	276	322607	59.897	nq	96

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

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Quant Time: Sep 17 05:12:19 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



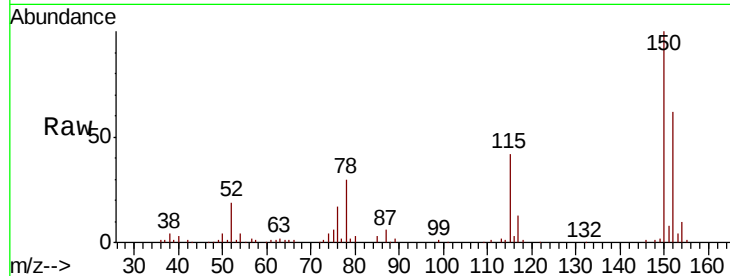


#1

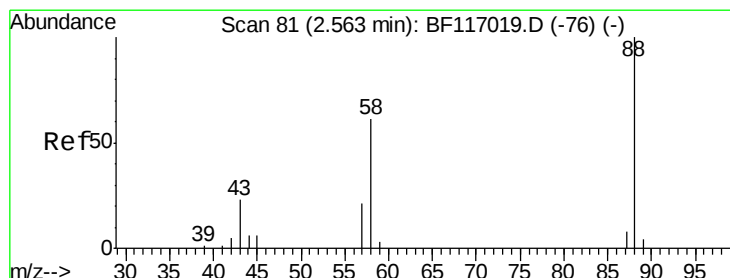
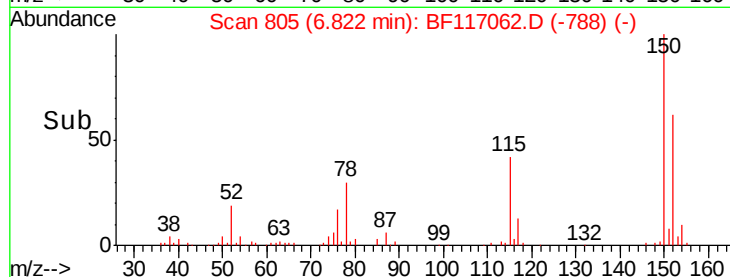
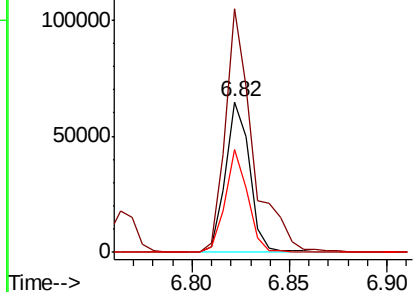
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: BF117062.D
 Acq: 16 Sep 2019 14:51

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

Tot Ion:152 Resp: 55562
 Ion Ratio Lower Upper
 152 100
 150 161.8 127.5 191.3
 115 68.5 55.0 82.4



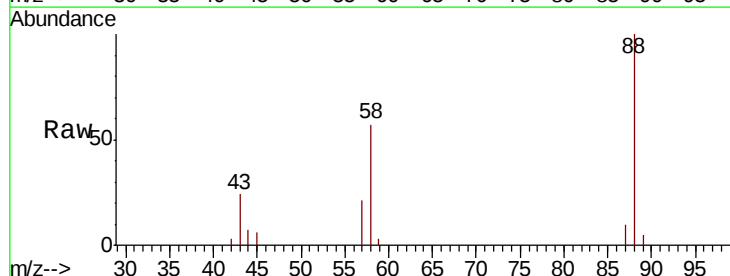
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



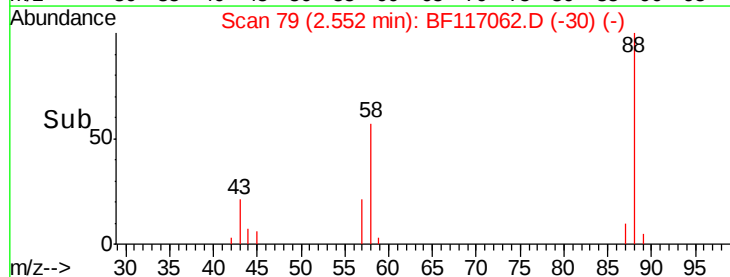
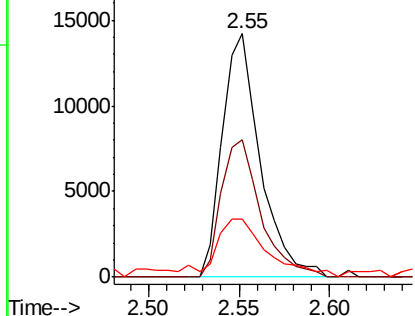
#2

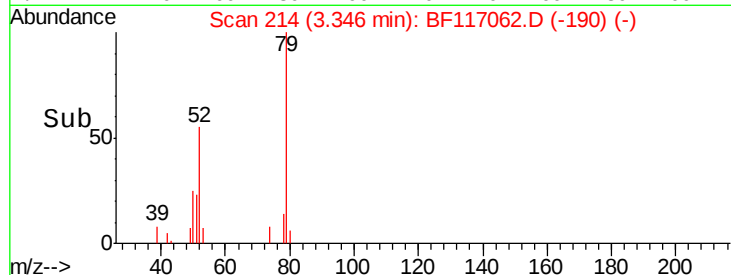
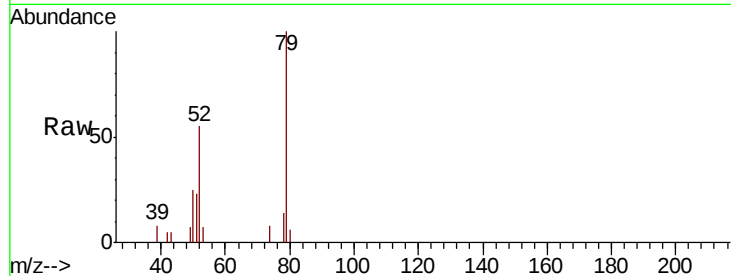
1,4-Dioxane
 Concen: 13.916 ng
 RT: 2.55 min Scan# 79
 Delta R.T. -0.01 min
 Lab File: BF117062.D
 Acq: 16 Sep 2019 14:51

Tgt Ion: 88 Resp: 20724
 Ion Ratio Lower Upper
 88 100
 58 58.8 49.3 73.9
 43 32.8 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

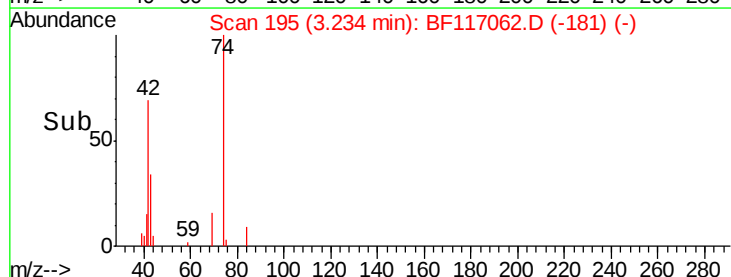
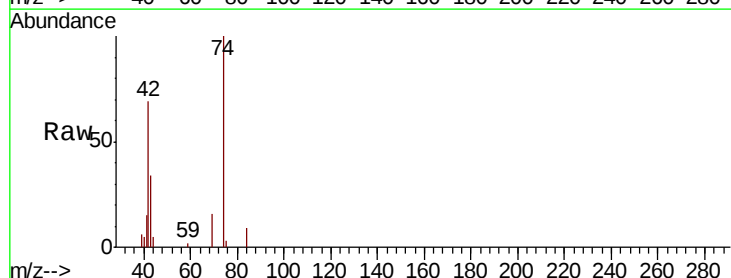
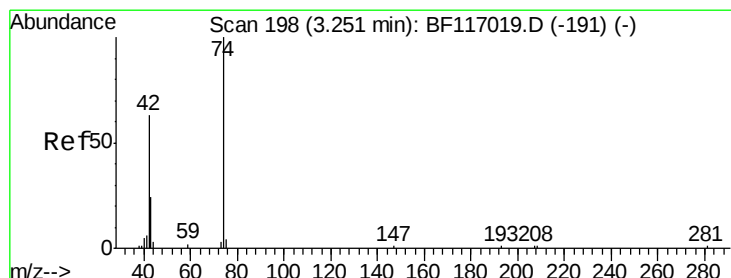
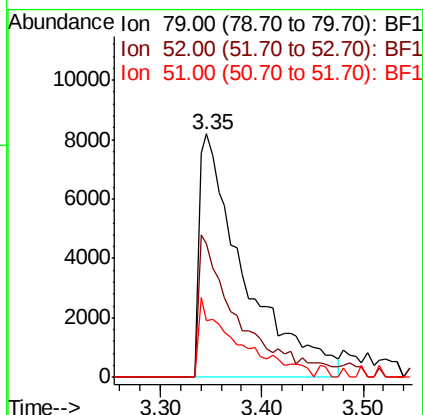




#3
 Pvridine
 Concen: 6.213 ng
 RT: 3.35 min Scan# 214
 Delta R.T. 0.04 min
 Lab File: BF117062.D
 Acq: 16 Sep 2019 14:51

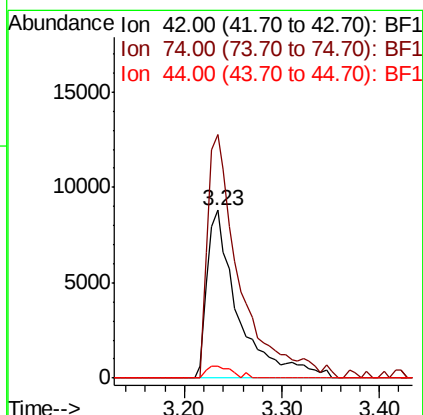
Tot Ion	79	Resp	25325
Ion Ratio	100		
Lower	43.5		
Upper	65.3		
52	55.0		
51	23.2		
	21.8		
	32.6		

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD



#4
 n-Nitrosodimethylamine
 Concen: 14.005 ng
 RT: 3.23 min Scan# 195
 Delta R.T. -0.02 min
 Lab File: BF117062.D
 Acq: 16 Sep 2019 14:51

Tgt Ion	42	Resp	19590
Ion Ratio	100		
Lower	127.1		
Upper	190.7		
74	145.4		
44	6.8		
	4.3		
	6.5#		





#5

2-Fluorophenol

Concen: 60.530 ng

RT: 5.45 min Scan# 571

Delta R.T. 0.01 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

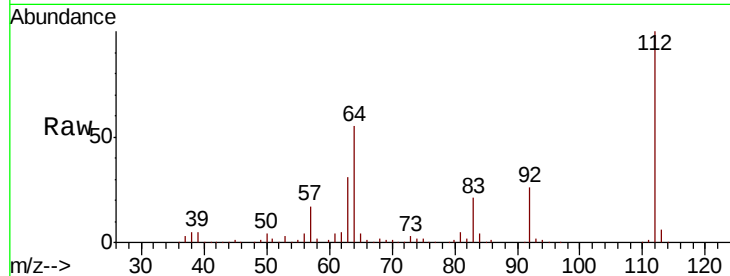
Tot Ion: 112 Resp: 215416

Ion Ratio Lower Upper

112 100

64 55.1 45.7 68.5

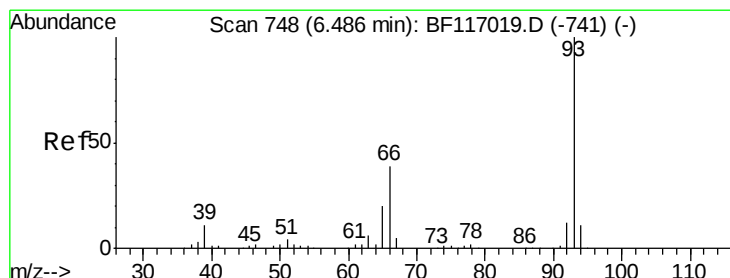
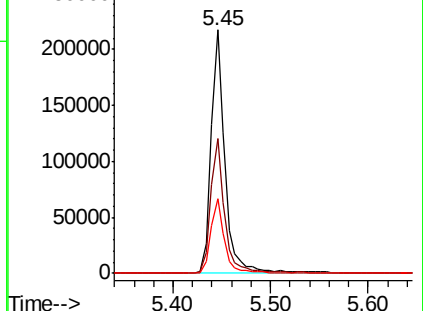
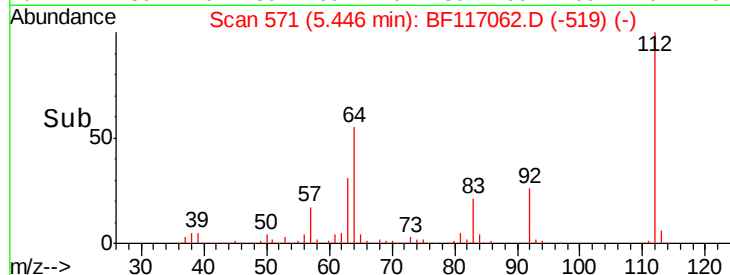
63 30.8 24.9 37.3



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: 17.872 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

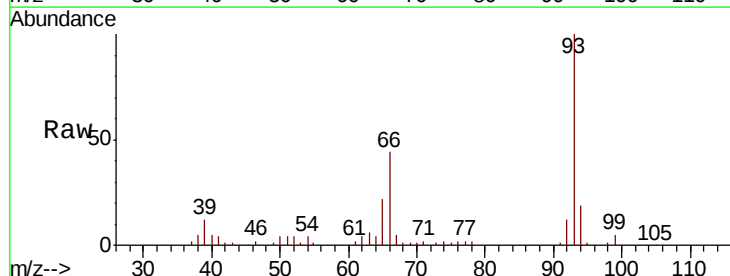
Tgt Ion: 93 Resp: 105828

Ion Ratio Lower Upper

93 100

66 44.0 32.6 49.0

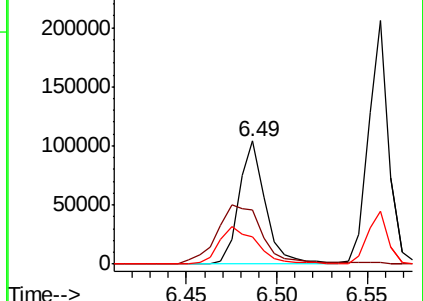
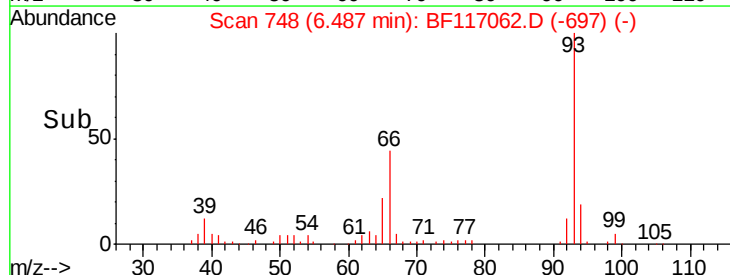
65 22.1 16.7 25.1

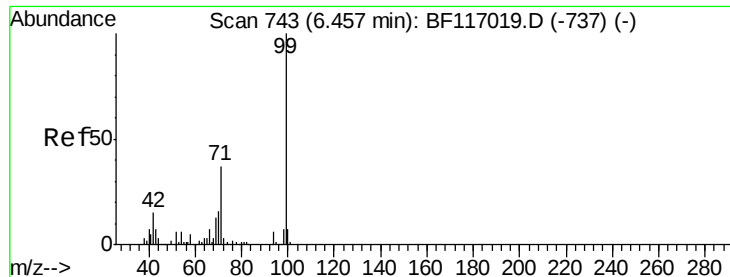


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 41.453 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

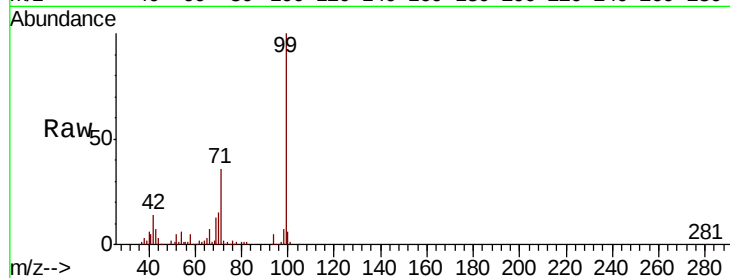
Tot Ion: 99 Resp: 190656

Ion Ratio Lower Upper

99 100

42 13.8 12.2 18.2

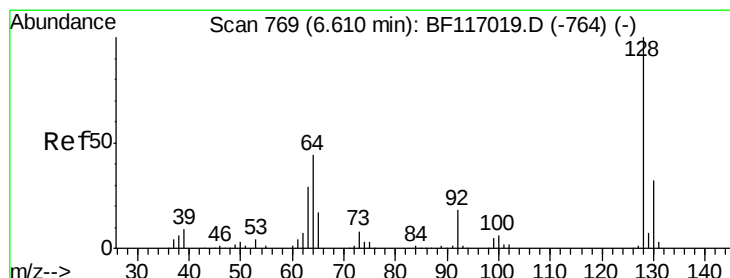
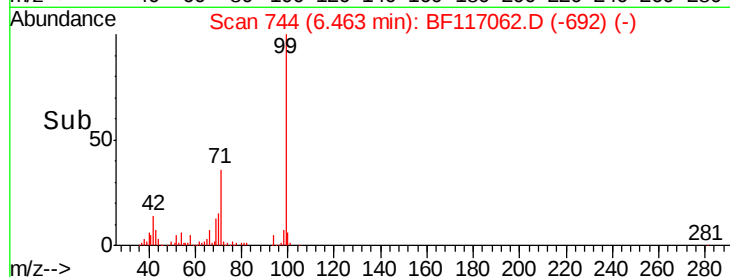
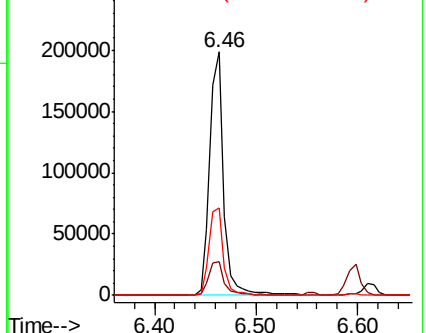
71 35.9 29.8 44.8



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: 38.711 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.00 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

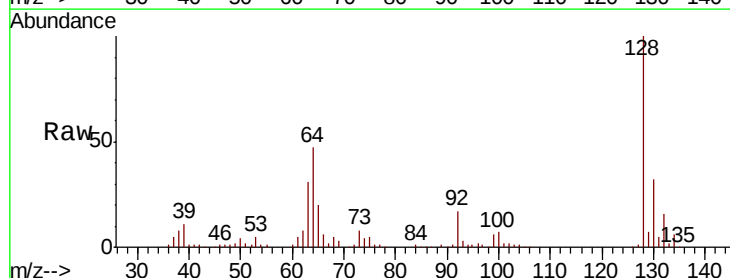
Tgt Ion: 128 Resp: 148621

Ion Ratio Lower Upper

128 100

130 31.6 11.8 51.8

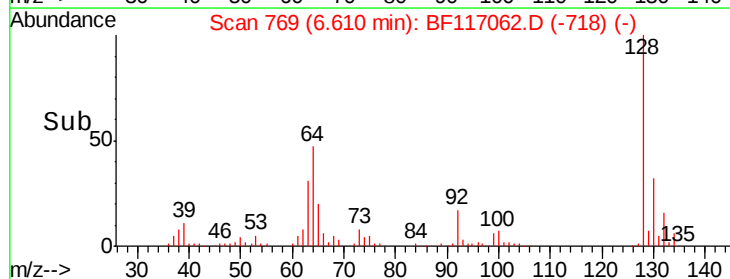
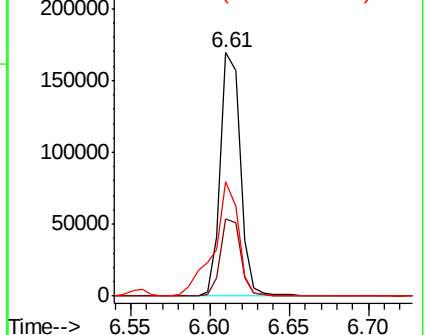
64 46.9 25.0 65.0

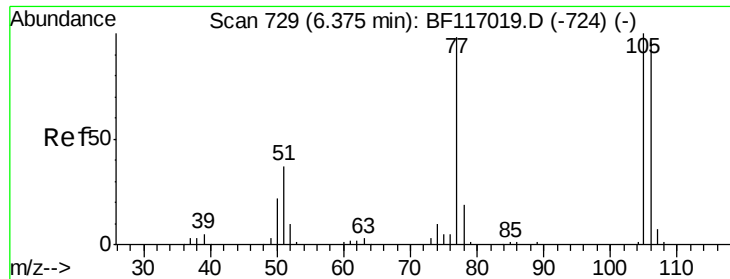


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 30.473 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

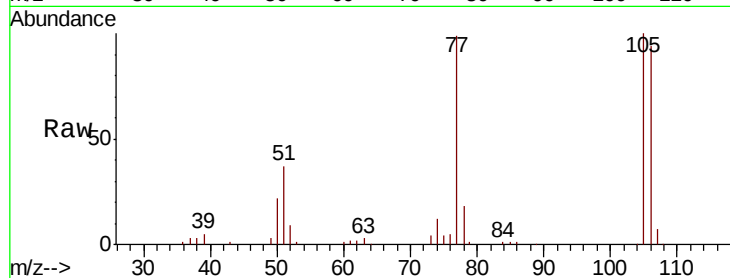
Tot Ion: 77 Resp: 75195

Ion Ratio Lower Upper

77 100

105 100.8 81.8 121.8

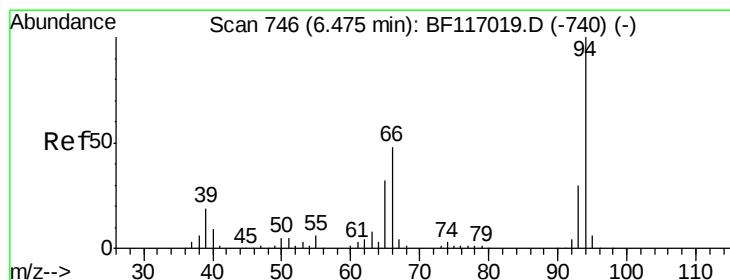
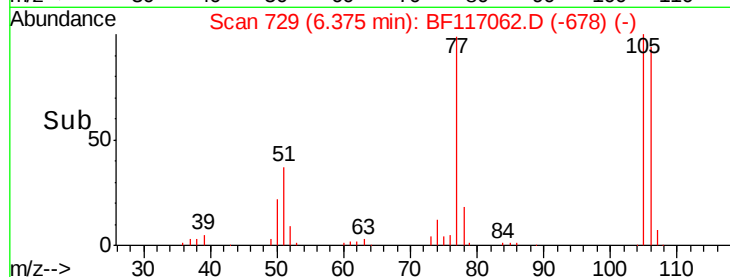
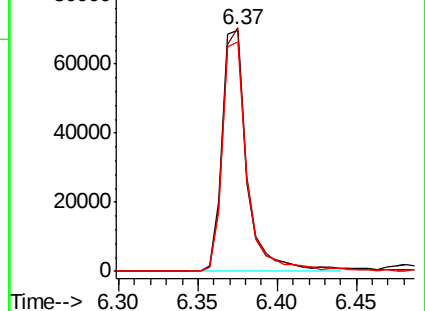
106 95.0 77.3 117.3



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: 19.291 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

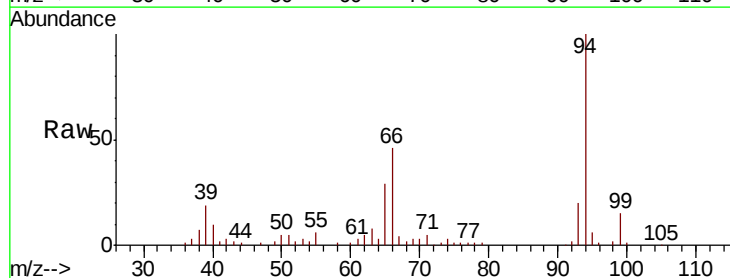
Tgt Ion: 94 Resp: 97813

Ion Ratio Lower Upper

94 100

65 29.5 12.5 52.5

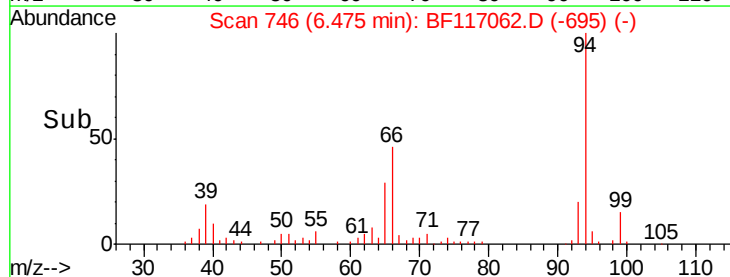
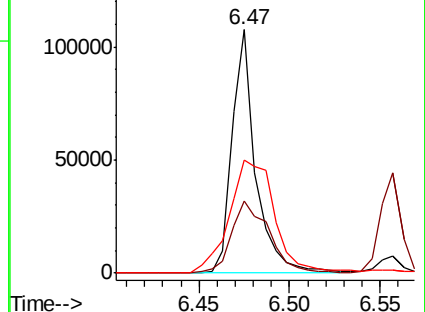
66 46.3 28.9 68.9



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

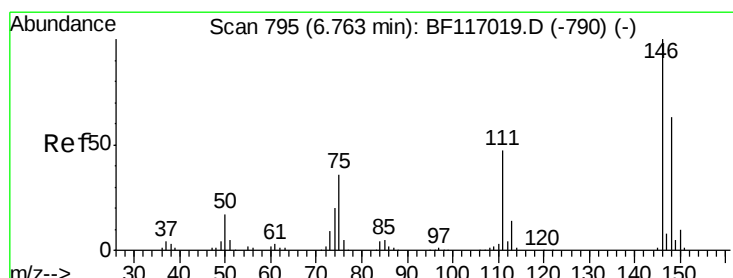
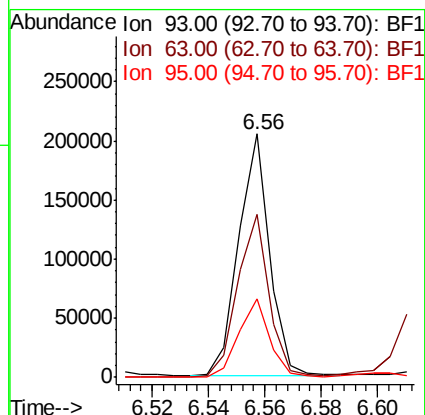
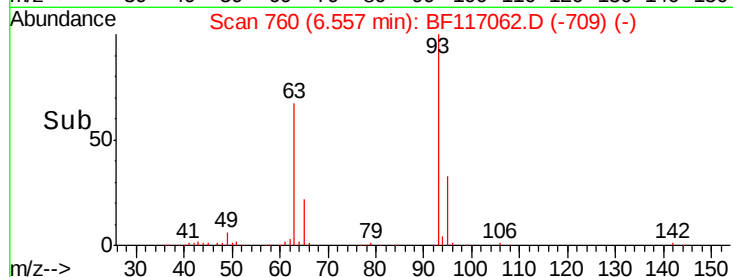
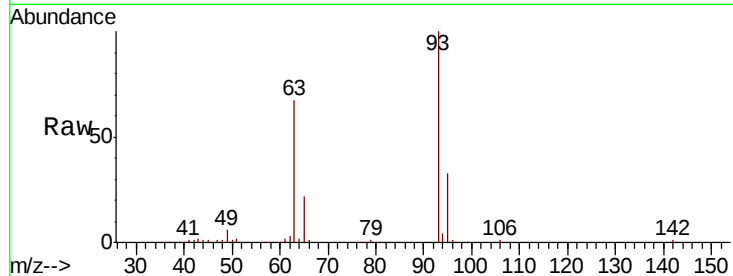




#11
bis(2-Chloroethyl)ether
Concen: 41.598 ng
RT: 6.56 min Scan# 760
Delta R.T. 0.00 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

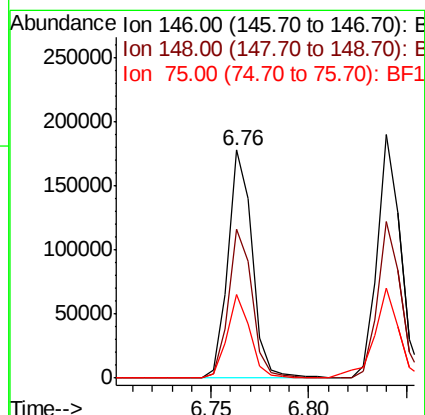
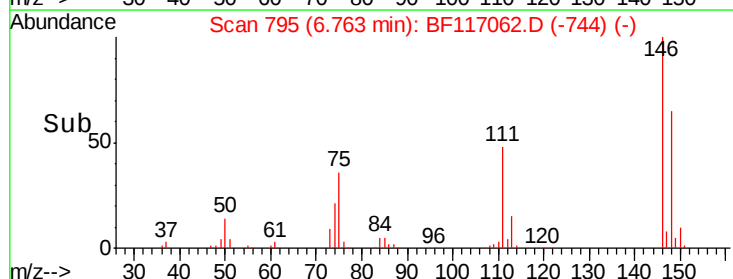
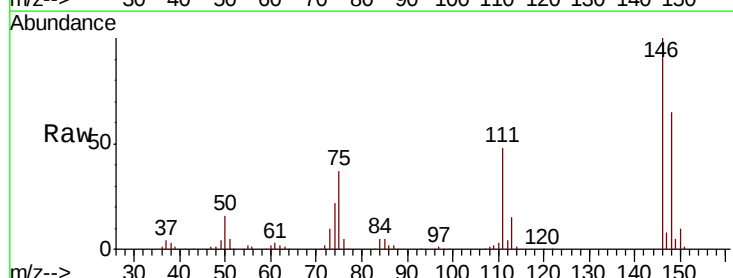
Instrument :
BNA_F
ClientSampleID :
VE-4-11MSD

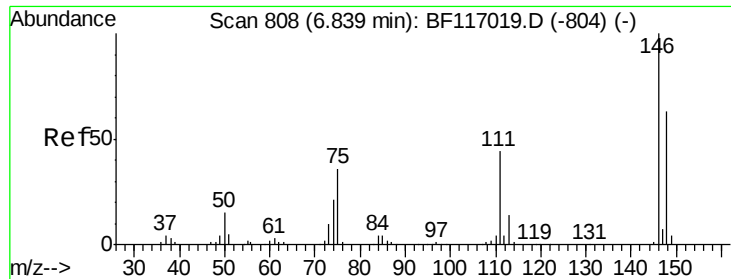
Tot Ion: 93 Resp: 155015
Ion Ratio Lower Upper
93 100
63 66.9 49.3 89.3
95 32.5 11.5 51.5



#12
1,3-Dichlorobenzene
Concen: 35.819 ng
RT: 6.76 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

Tgt Ion: 146 Resp: 154315
Ion Ratio Lower Upper
146 100
148 65.3 50.8 76.2
75 36.7 28.7 43.1

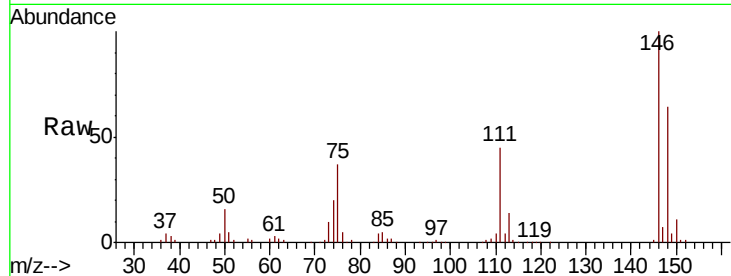




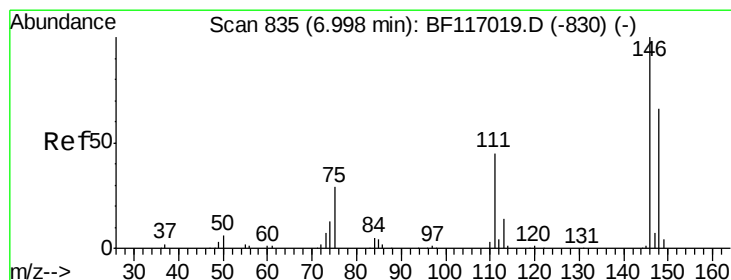
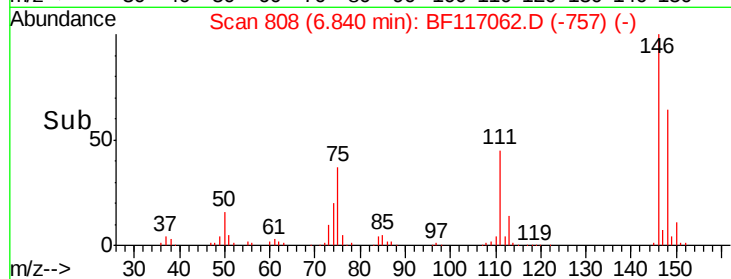
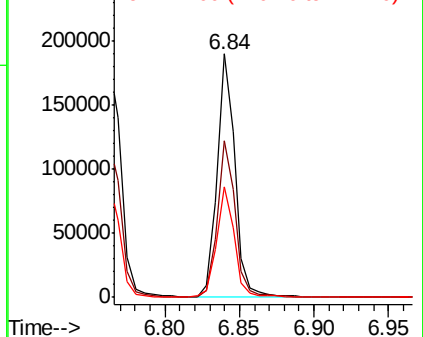
#13
 1,4-Dichlorobenzene
 Concen: 36.242 ng
 RT: 6.84 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF117062.D
 Acq: 16 Sep 2019 14:51

Instrument :
 BNA_F
 ClientSampleID :
 VE-4-11MSD

Tot Ion:146 Resp: 159341
 Ion Ratio Lower Upper
 146 100
 148 64.2 50.6 76.0
 111 45.3 35.0 52.6

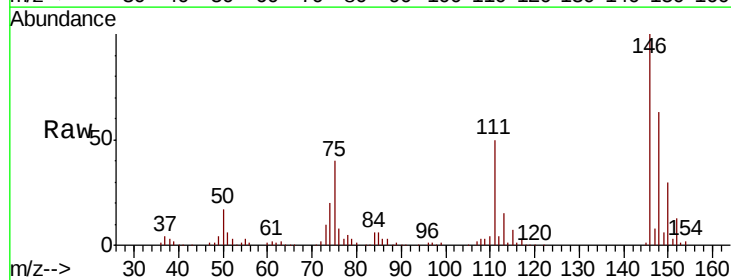


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

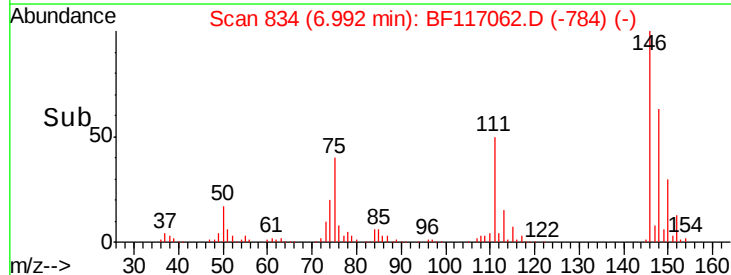
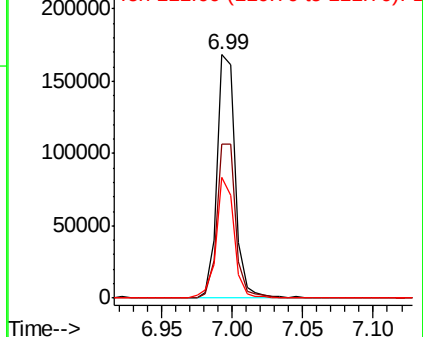


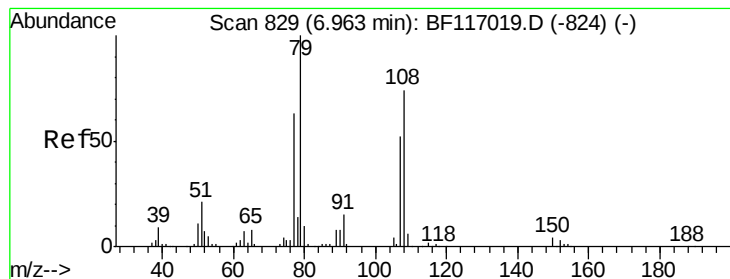
#14
 1,2-Dichlorobenzene
 Concen: 37.205 ng
 RT: 6.99 min Scan# 834
 Delta R.T. -0.01 min
 Lab File: BF117062.D
 Acq: 16 Sep 2019 14:51

Tgt Ion:146 Resp: 152293
 Ion Ratio Lower Upper
 146 100
 148 63.2 52.6 78.8
 111 49.6 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: 25.212 ng

RT: 6.96 min Scan# 829

Delta R.T. 0.00 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

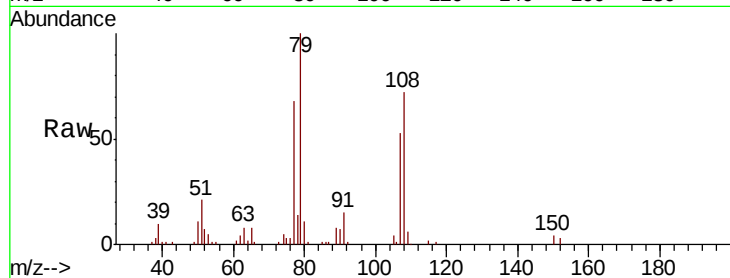
Tot Ion: 79 Resp: 88923

Ion Ratio Lower Upper

79 100

108 72.0 59.4 89.0

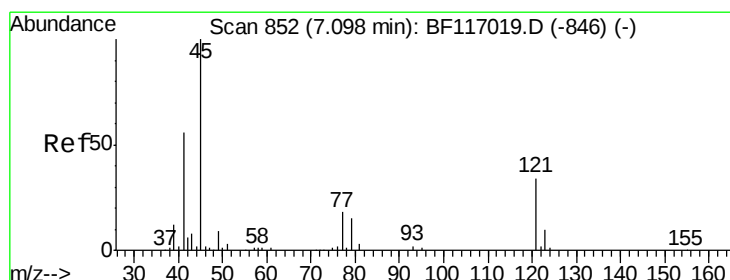
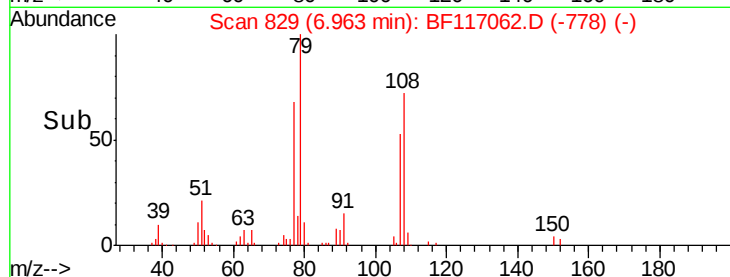
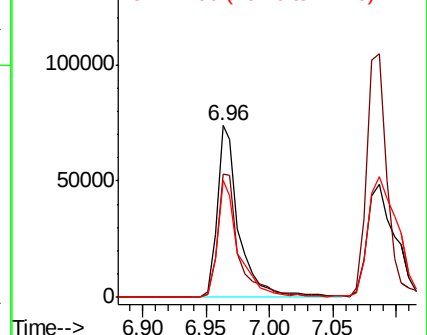
77 67.9 50.2 75.2



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: 41.001 ng

RT: 7.10 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

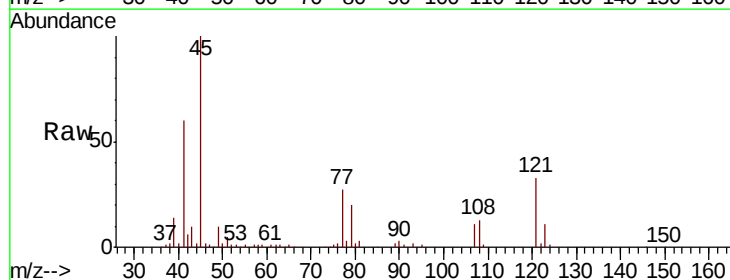
Tgt Ion: 45 Resp: 150953

Ion Ratio Lower Upper

45 100

77 27.2 2.7 42.7

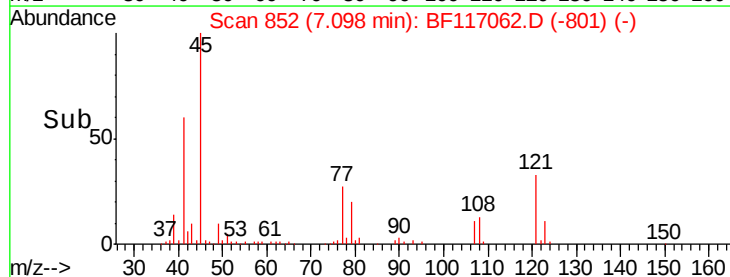
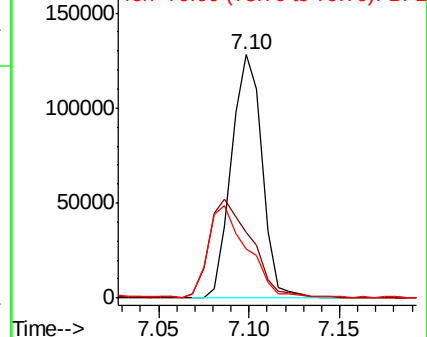
79 20.4 0.0 38.9

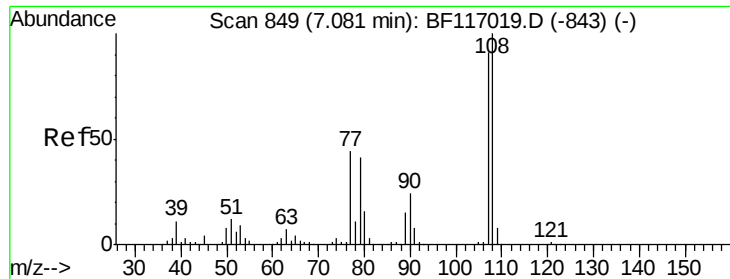


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

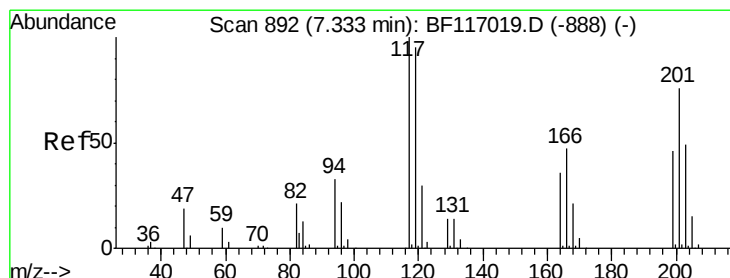
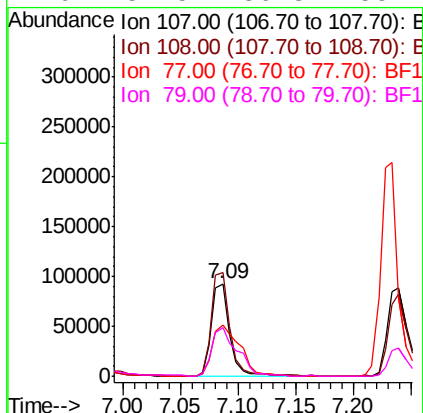
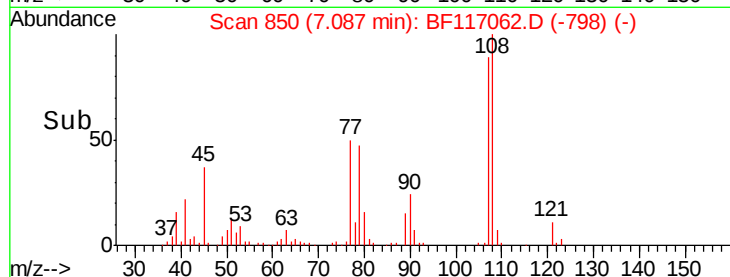
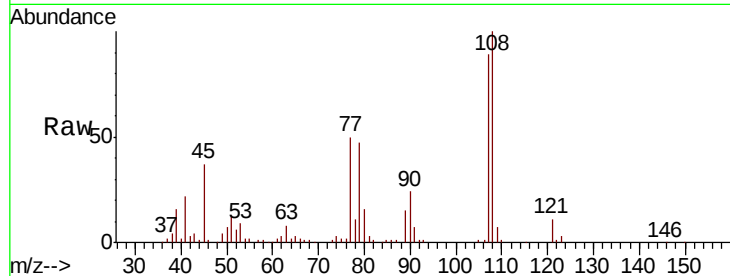




#17
2-Methylphenol
Concen: 32.242 ng
RT: 7.09 min Scan# 850
Delta R.T. 0.01 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

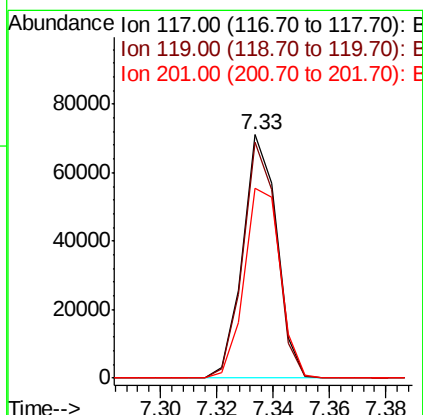
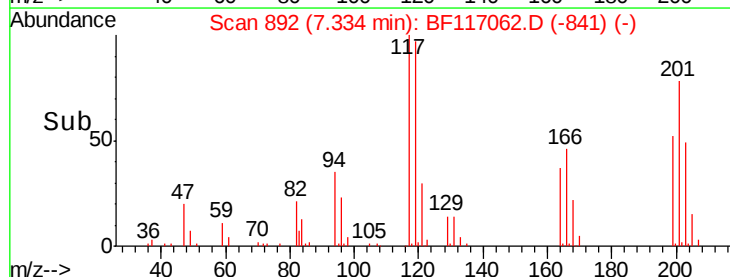
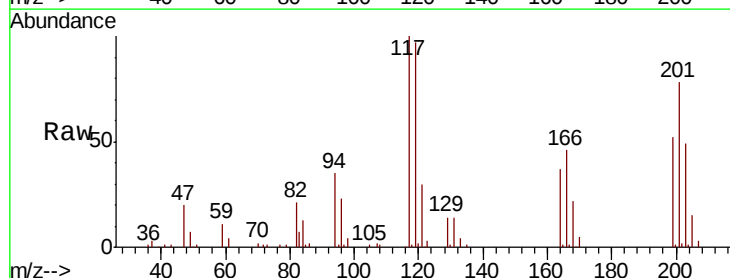
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion:107 Resp: 103743
Ion Ratio Lower Upper
107 100
108 112.4 87.7 131.5
77 55.8 38.6 58.0
79 52.5 36.8 55.2



#18
Hexachloroethane
Concen: 35.264 ng
RT: 7.33 min Scan# 892
Delta R.T. 0.00 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

Tgt Ion:117 Resp: 59644
Ion Ratio Lower Upper
117 100
119 97.0 75.8 113.8
201 77.9 60.9 91.3

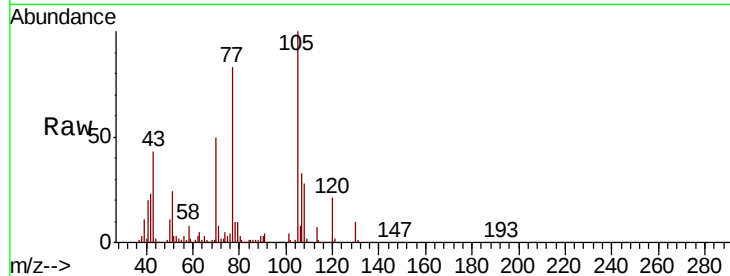




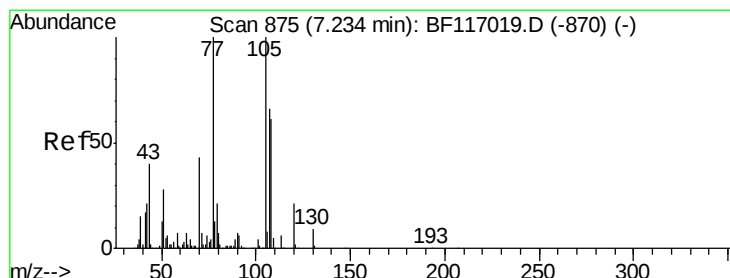
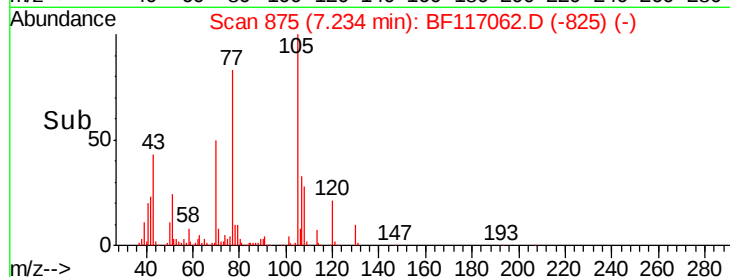
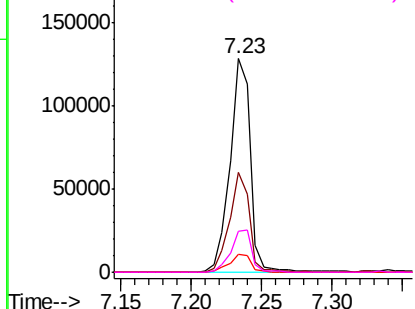
#19
n-Nitroso-di-n-propylamine
Concen: 45.946 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.01 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion: 70 Resp: 128678
Ion Ratio Lower Upper
70 100
42 47.0 34.0 51.0
101 8.6 7.8 11.6
130 19.4 17.8 26.8



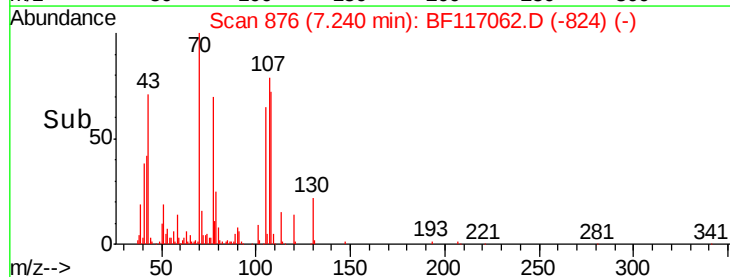
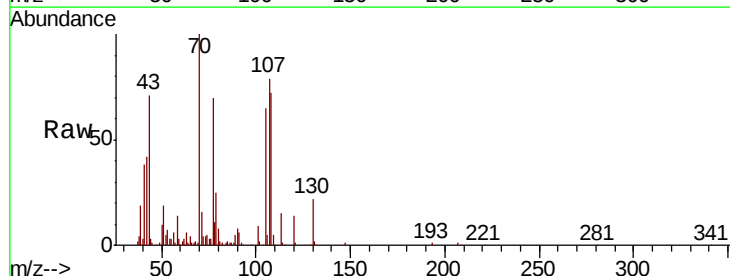
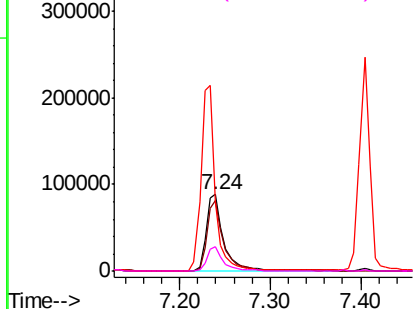
Abundance Ion 70.00 (69.70 to 70.70): BF1
200000
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

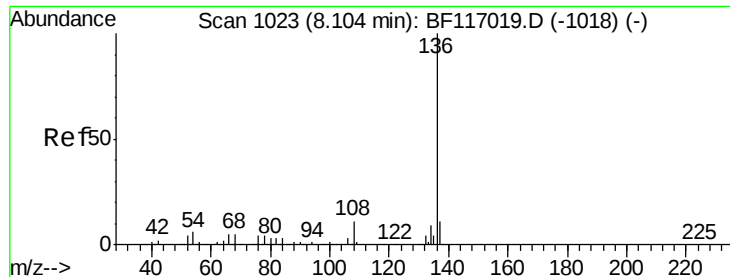


#20
3+4-Methylphenols
Concen: 30.352 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.01 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

Tgt Ion:107 Resp: 121647
Ion Ratio Lower Upper
107 100
108 92.2 72.6 112.6
77 89.7 132.1 172.1#
79 31.6 12.1 52.1

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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

Tot Ion:136 Resp: 223653

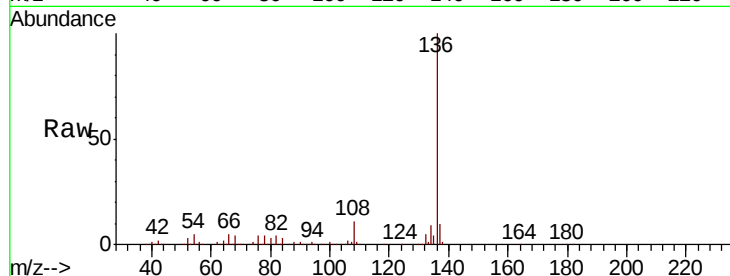
Ion Ratio Lower Upper

136 100

137 10.4 9.0 13.4

54 4.9 4.5 6.7

68 4.4 4.0 6.0

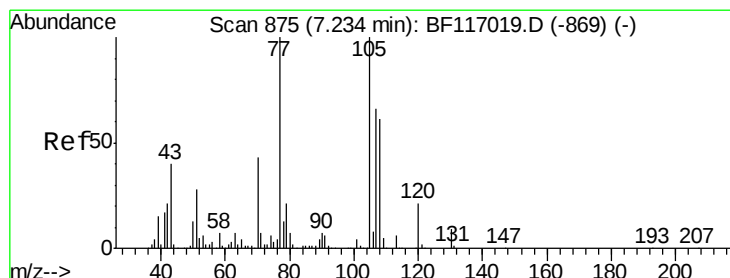
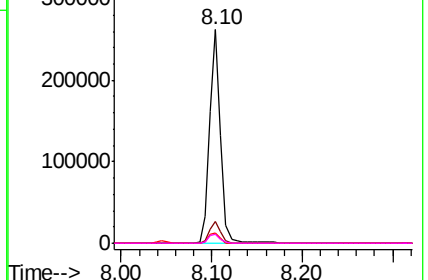
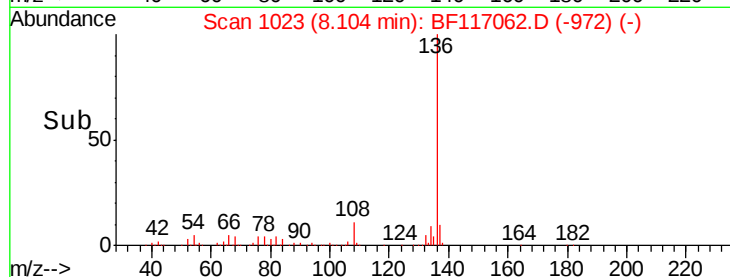


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 45.569 ng

RT: 7.23 min Scan# 875

Delta R.T. 0.00 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

Tgt Ion:105 Resp: 258937

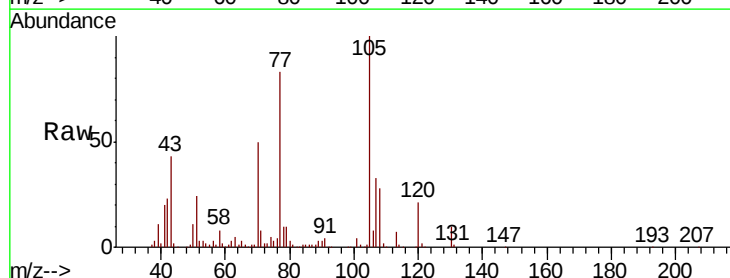
Ion Ratio Lower Upper

105 100

71 8.1 5.7 8.5

51 23.8 22.1 33.1

120 20.8 17.1 25.7

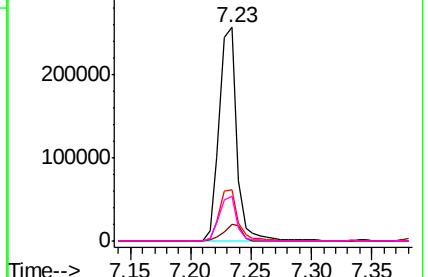
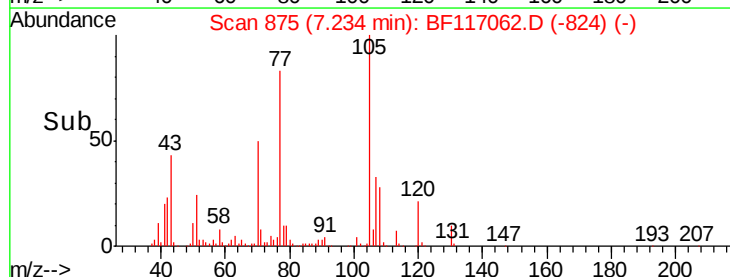


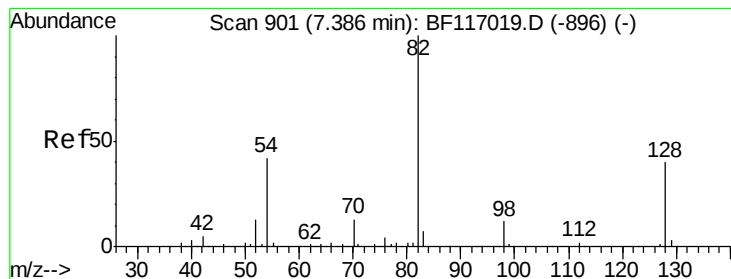
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 88.911 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

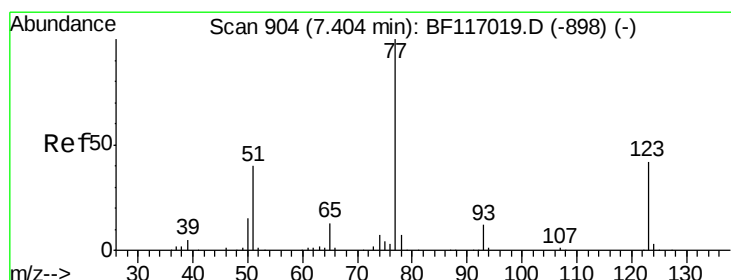
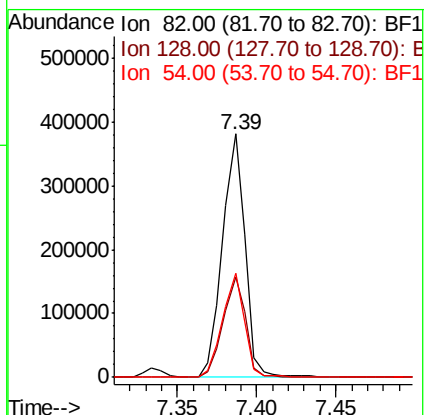
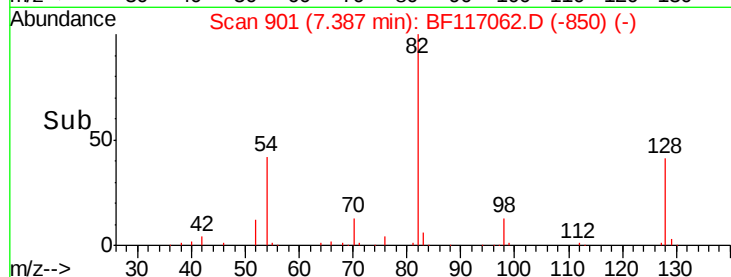
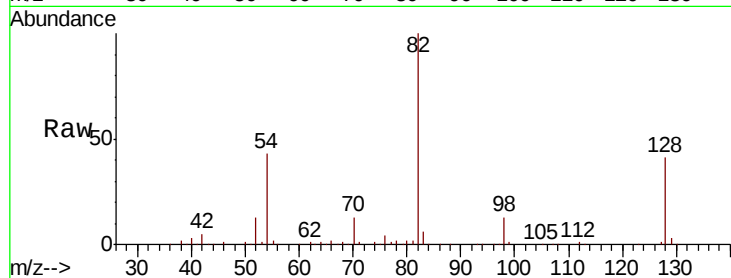
Tot Ion: 82 Resp: 378458

Ion Ratio Lower Upper

82 100

128 41.1 32.3 48.5

54 42.8 33.3 49.9



#24

Nitrobenzene

Concen: 45.693 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.00 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

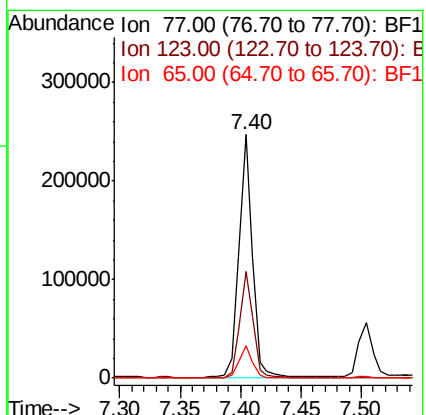
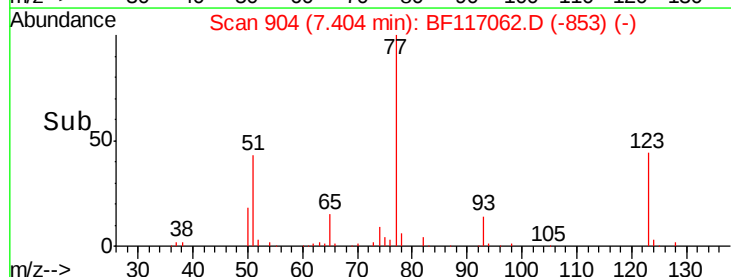
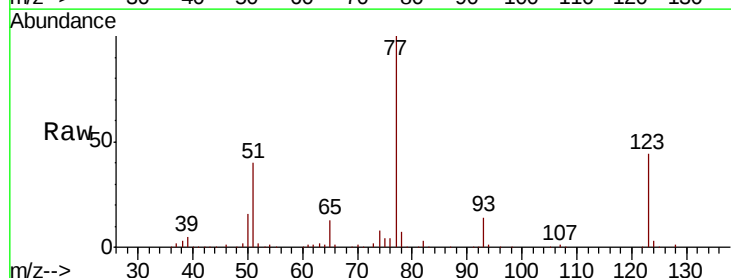
Tgt Ion: 77 Resp: 192075

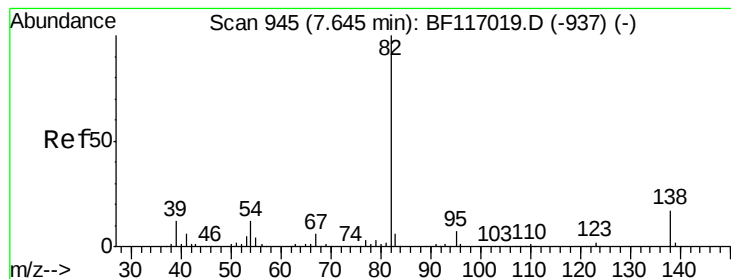
Ion Ratio Lower Upper

77 100

123 43.7 33.5 50.3

65 13.3 10.5 15.7





#25

Isophorone

Concen: 46.758 ng

RT: 7.65 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

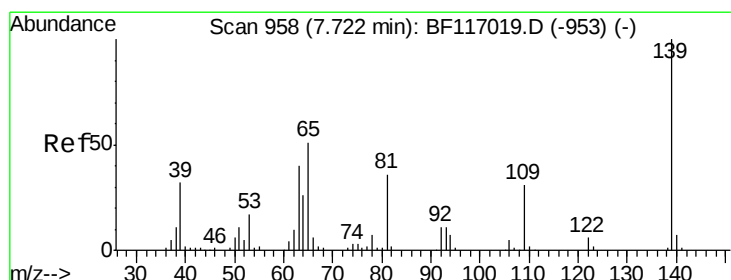
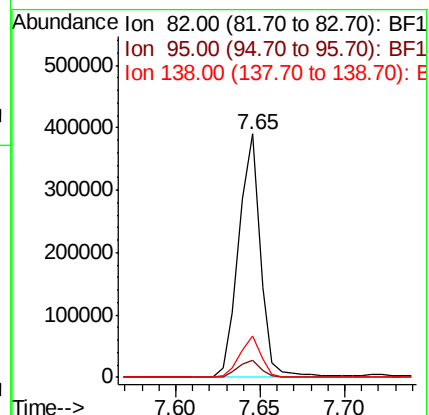
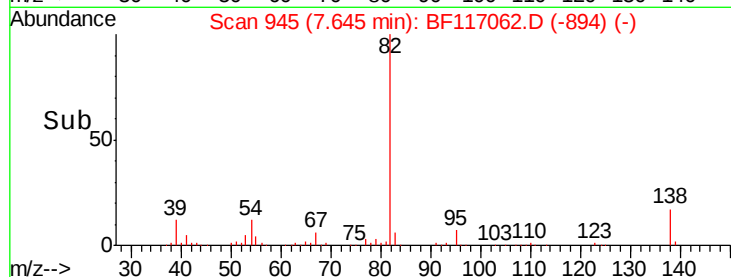
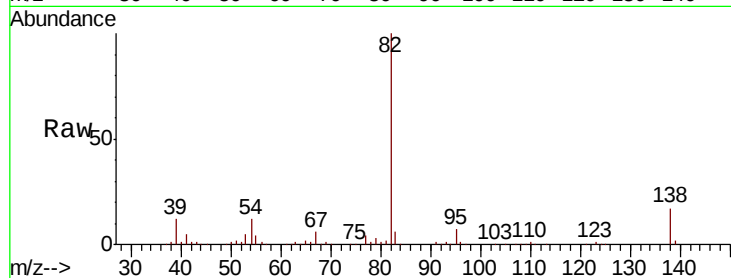
Tot Ion: 82 Resp: 352400

Ion Ratio Lower Upper

82 100

95 7.1 5.8 8.6

138 17.0 13.5 20.3



#26

2-Nitrophenol

Concen: 49.571 ng

RT: 7.72 min Scan# 958

Delta R.T. 0.00 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

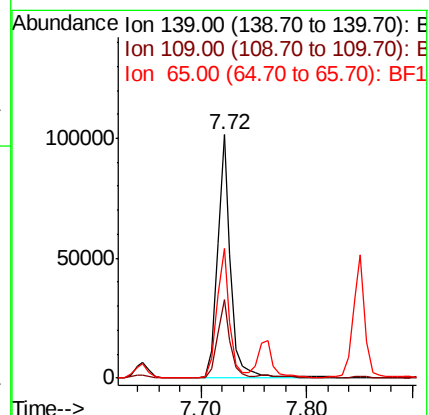
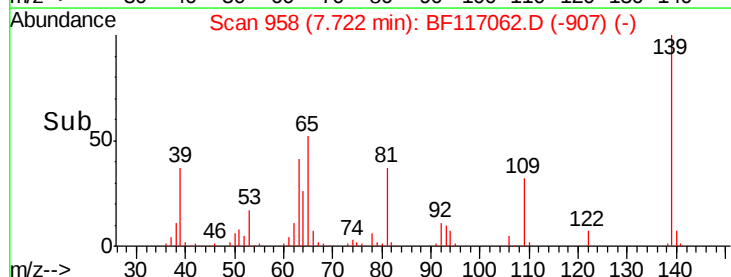
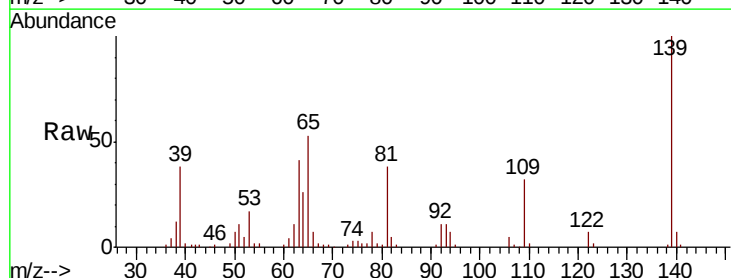
Tgt Ion: 139 Resp: 89505

Ion Ratio Lower Upper

139 100

109 32.5 24.6 36.8

65 53.0 40.9 61.3





#27

2,4-Dimethylphenol

Concen: 46.461 ng

RT: 7.76 min Scan# 965

Delta R.T. 0.01 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

Instrument :

BNA_F

ClientSampleID :

VE-4-11MSD

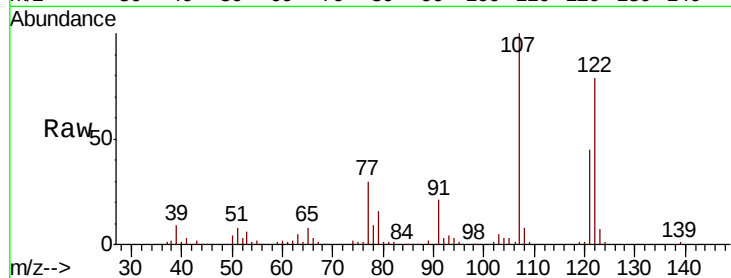
Tot Ion:122 Resp: 133031

Ion Ratio Lower Upper

122 100

107 126.3 98.9 148.3

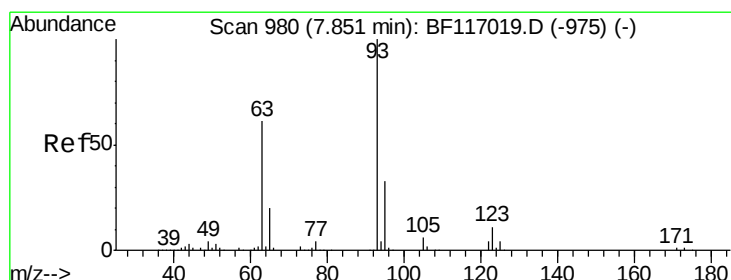
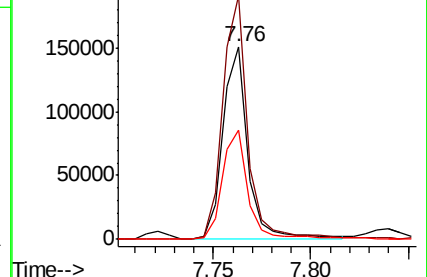
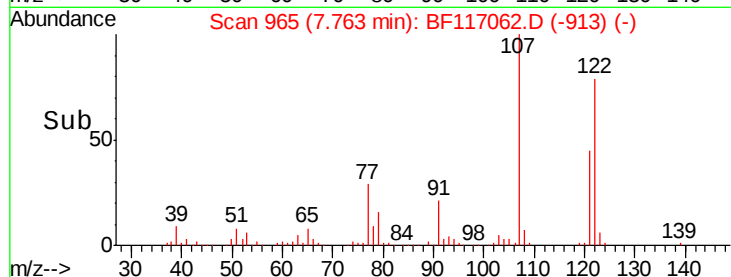
121 56.6 45.3 67.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 44.715 ng

RT: 7.85 min Scan# 980

Delta R.T. 0.00 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

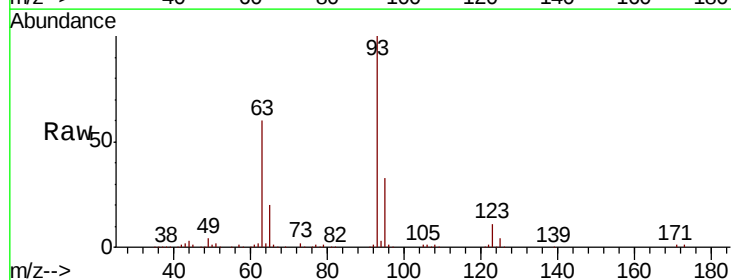
Tgt Ion: 93 Resp: 207631

Ion Ratio Lower Upper

93 100

95 33.0 26.2 39.4

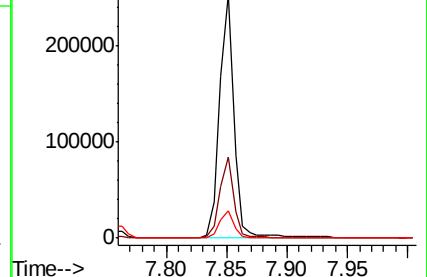
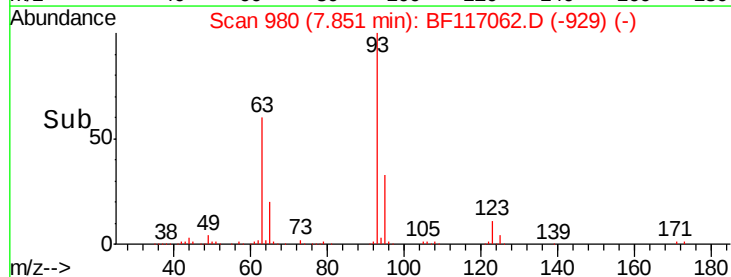
123 11.2 9.0 13.6

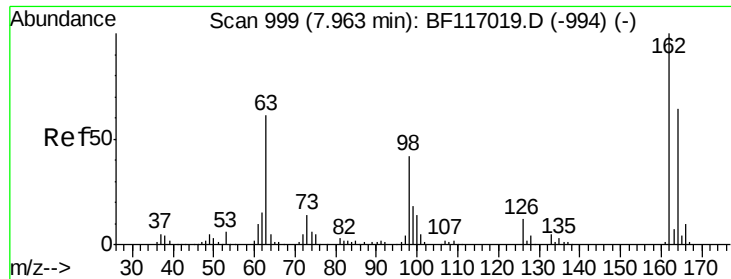


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

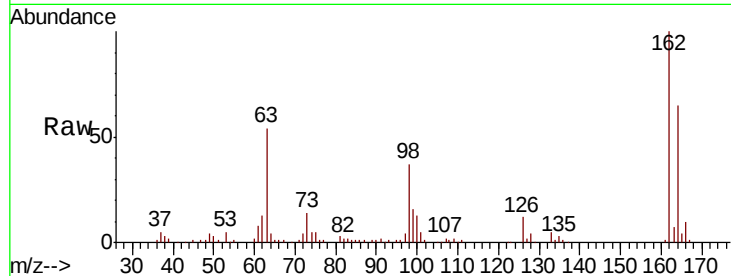




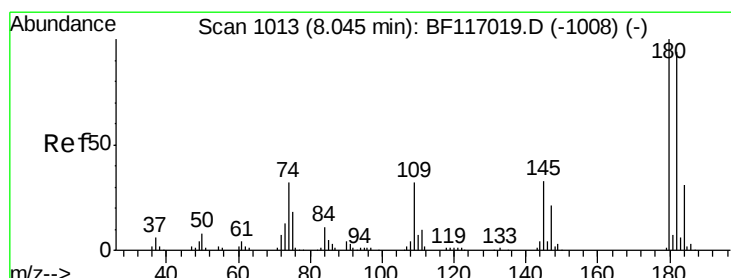
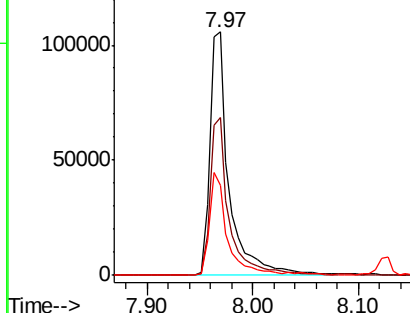
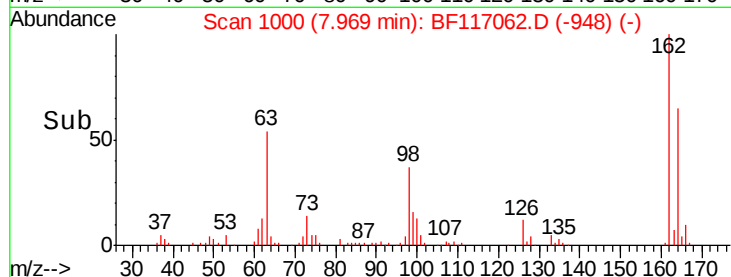
#29
 2,4-Dichlorophenol
 Concen: 45.153 ng
 RT: 7.97 min Scan# 1000
 Delta R.T. 0.01 min
 Lab File: BF117062.D
 Acq: 16 Sep 2019 14:51

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.0	43.8	83.8
98	36.7	22.1	62.1

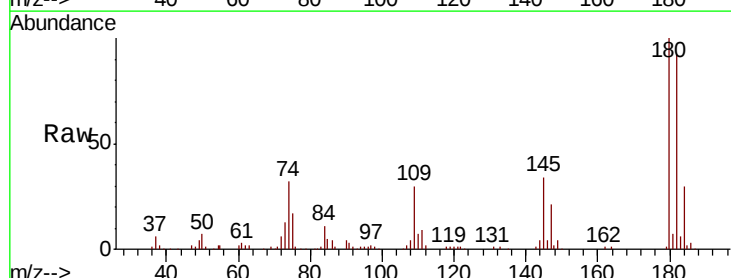


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

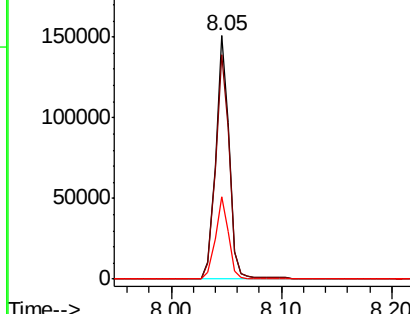
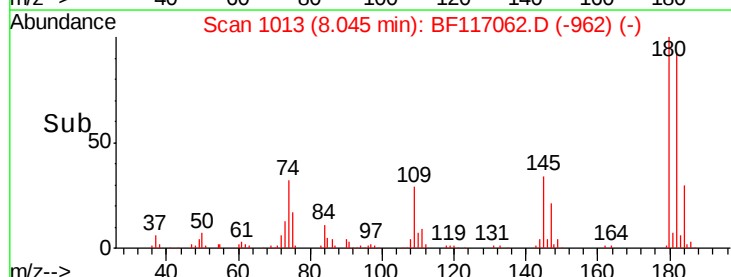


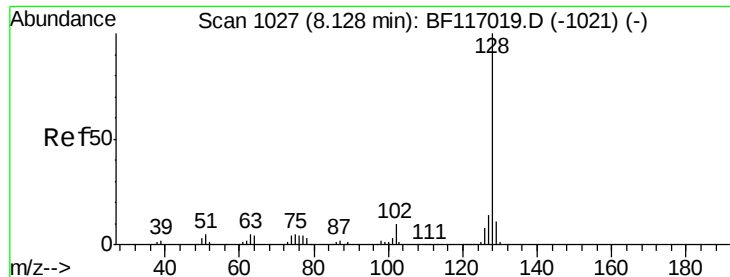
#30
 1,2,4-Trichlorobenzene
 Concen: 39.072 ng
 RT: 8.05 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: BF117062.D
 Acq: 16 Sep 2019 14:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.2	75.4	113.0
145	33.7	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

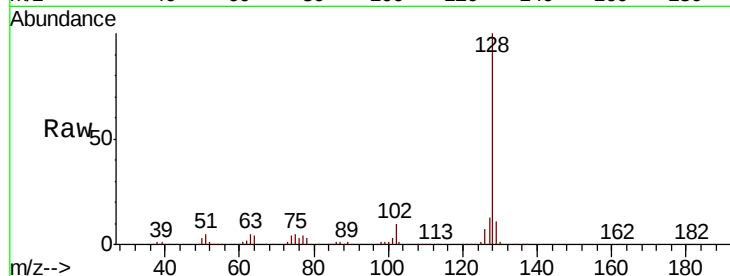




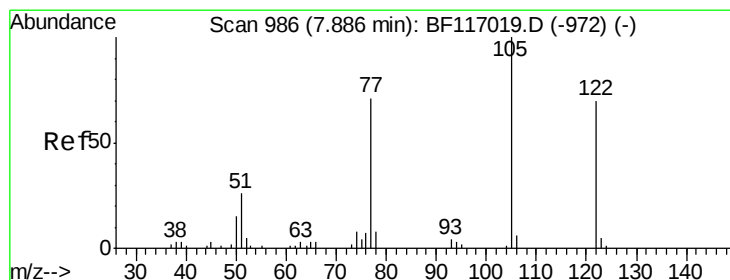
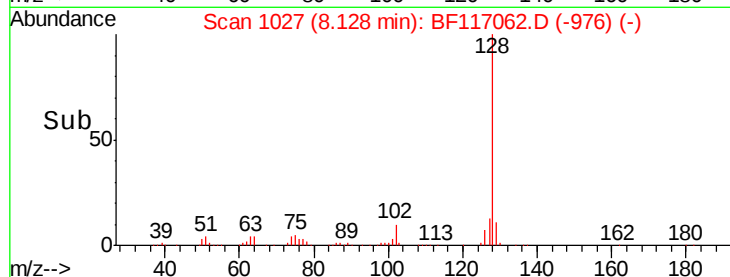
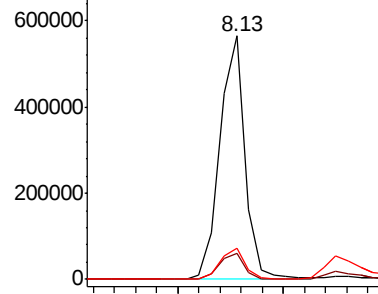
#31
Naphthalene
Concen: 43.320 ng
RT: 8.13 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion:128 Resp: 465962
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.4
127 12.9 10.8 16.2

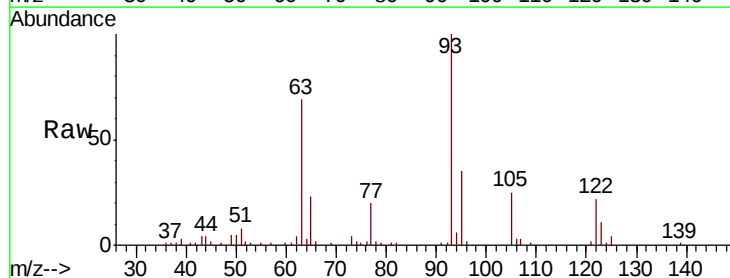


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

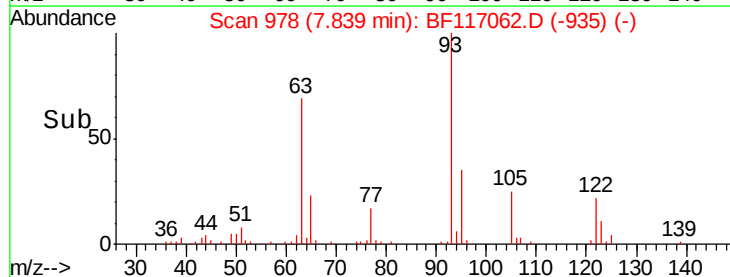
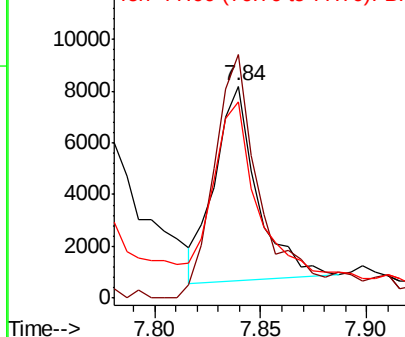


#32
Benzoic acid
Concen: 10.755 ng
RT: 7.84 min Scan# 978
Delta R.T. -0.05 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

Tgt Ion:122 Resp: 10429
Ion Ratio Lower Upper
122 100
105 114.9 114.8 154.8
77 92.4 78.7 118.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

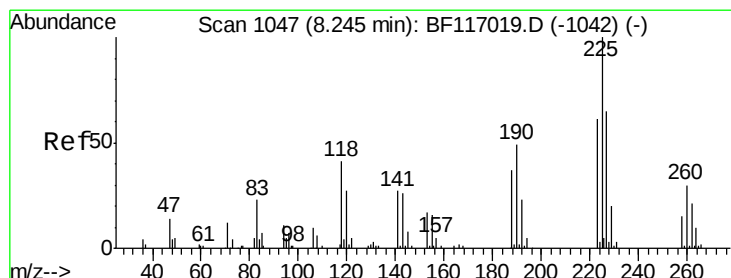
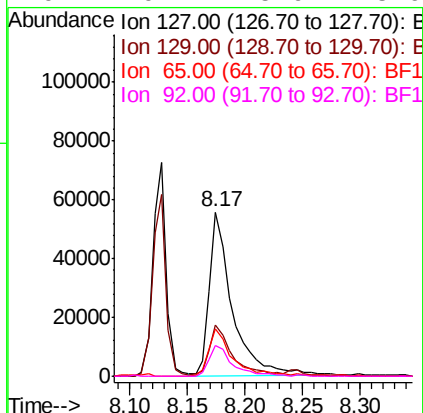
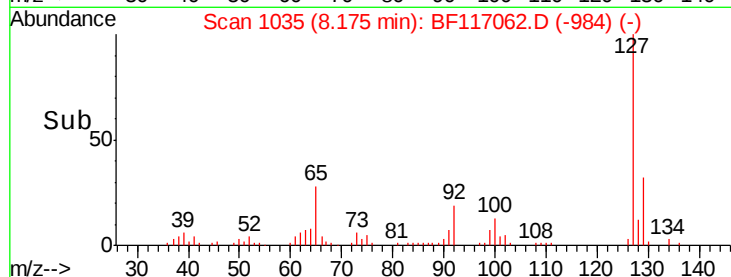
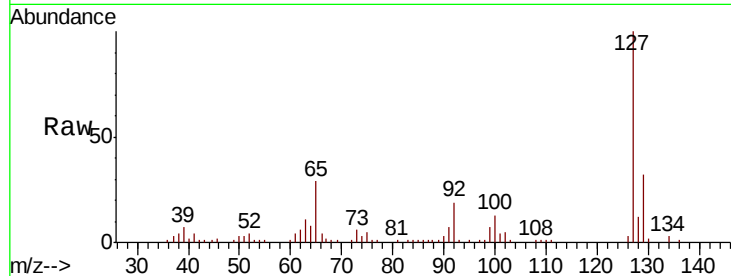




#33
4-Chloroaniline
Concen: 16.229 ng
RT: 8.17 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

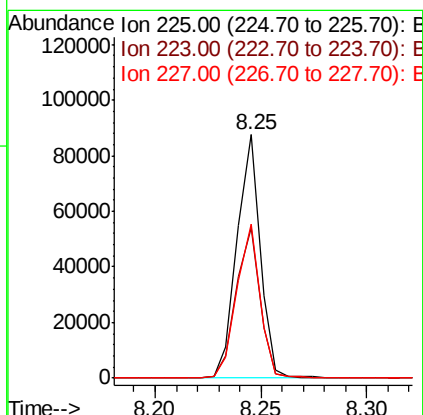
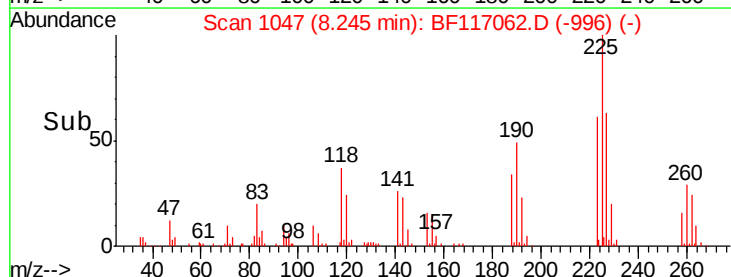
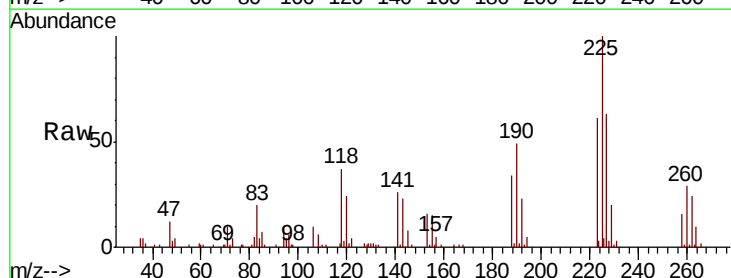
Instrument :
BNA_F
ClientSampled :
VE-4-11MSD

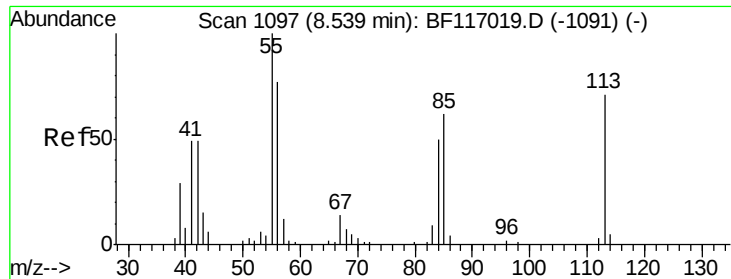
Tot Ion:127	Resp:	77423
Ion	Ratio	Lower Upper
127	100	
129	31.5	26.2 39.2
65	29.1	23.5 35.3
92	19.1	15.9 23.9



#34
Hexachlorobutadiene
Concen: 36.337 ng
RT: 8.25 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

Tgt Ion:225	Resp:	66822
Ion	Ratio	Lower Upper
225	100	
223	61.4	49.1 73.7
227	63.4	52.2 78.2

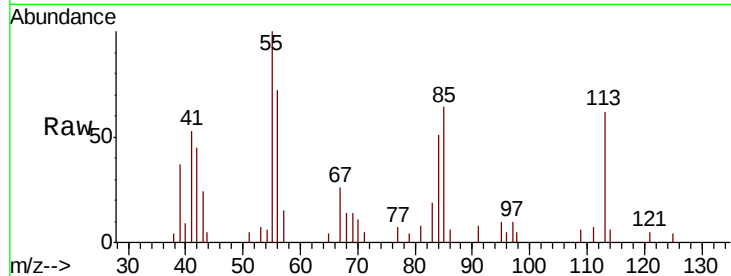




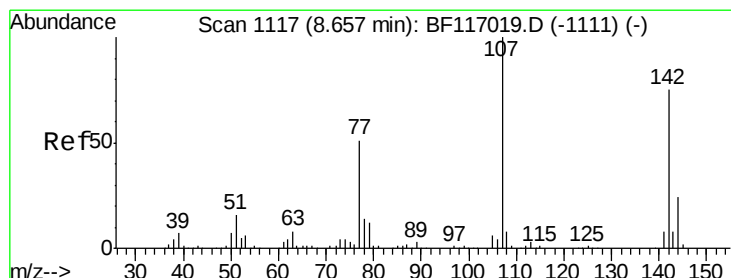
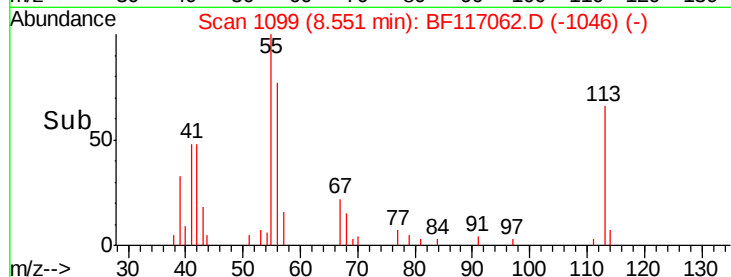
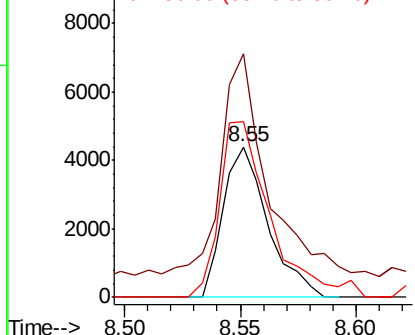
#35
 Caprolactam
 Concen: 5.834 ng
 RT: 8.55 min Scan# 1099
 Delta R.T. 0.01 min
 Lab File: BF117062.D
 Acq: 16 Sep 2019 14:51

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

Tot Ion:113 Resp: 5924
 Ion Ratio Lower Upper
 113 100
 55 161.6 120.6 160.6#
 56 116.3 88.8 128.8

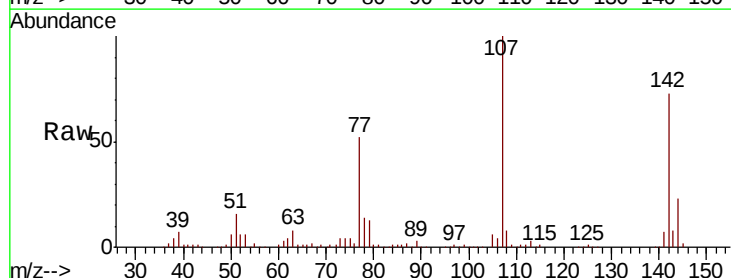


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

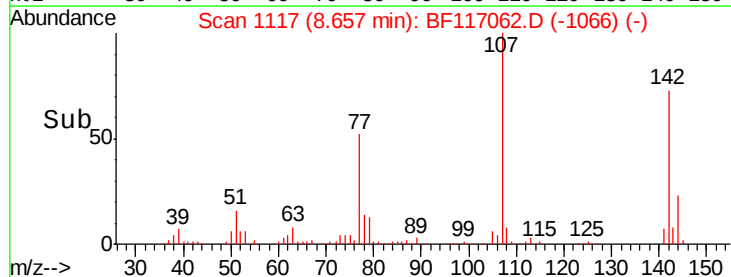
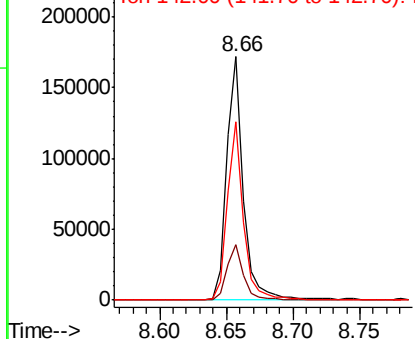


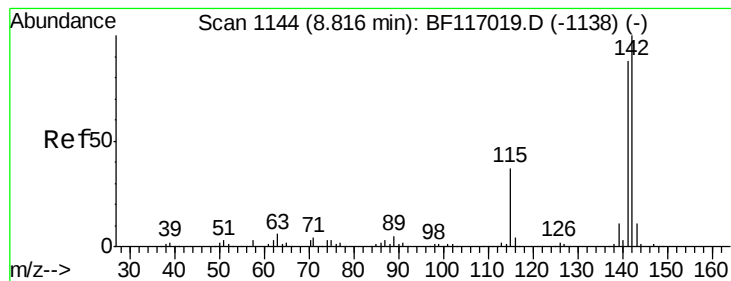
#36
 4-Chloro-3-methylphenol
 Concen: 43.569 ng
 RT: 8.66 min Scan# 1117
 Delta R.T. 0.00 min
 Lab File: BF117062.D
 Acq: 16 Sep 2019 14:51

Tgt Ion:107 Resp: 152418
 Ion Ratio Lower Upper
 107 100
 144 23.0 19.2 28.8
 142 73.4 59.6 89.4



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

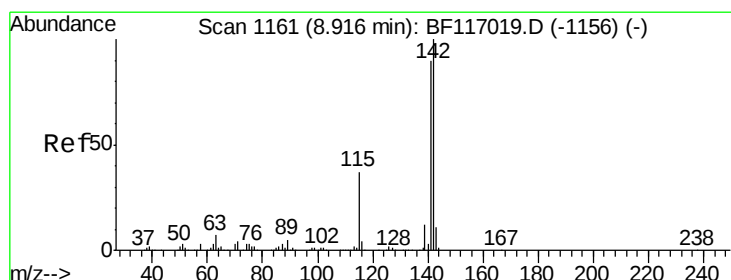
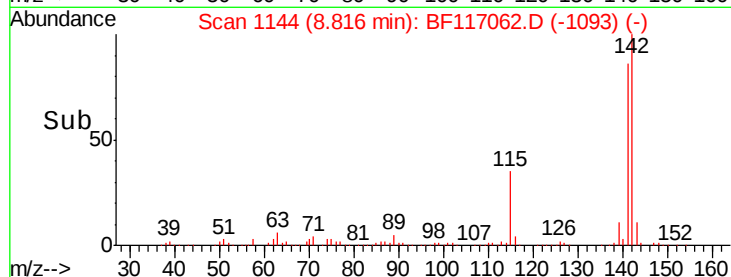
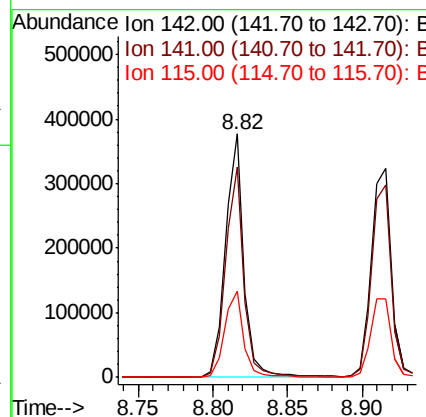
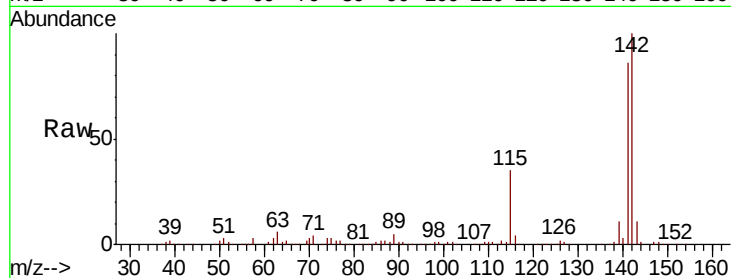




#37
2-Methylnaphthalene
Concen: 45.268 ng
RT: 8.82 min Scan# 1144
Delta R.T. 0.00 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

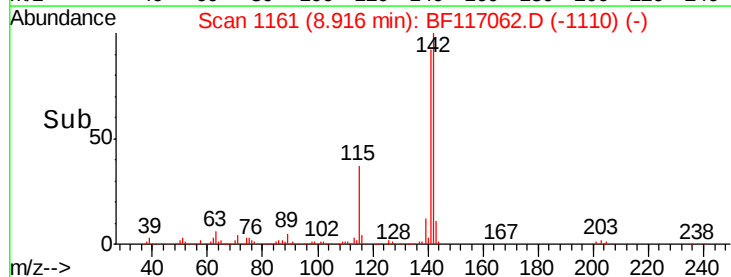
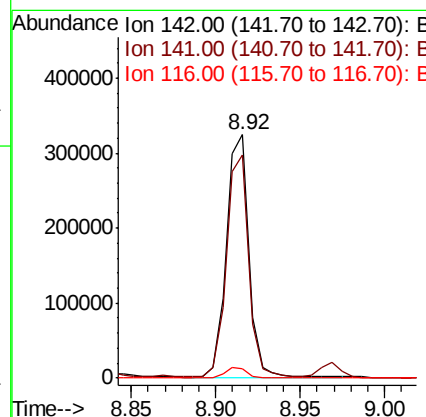
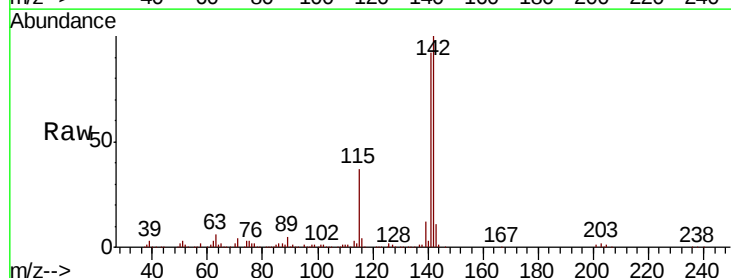
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

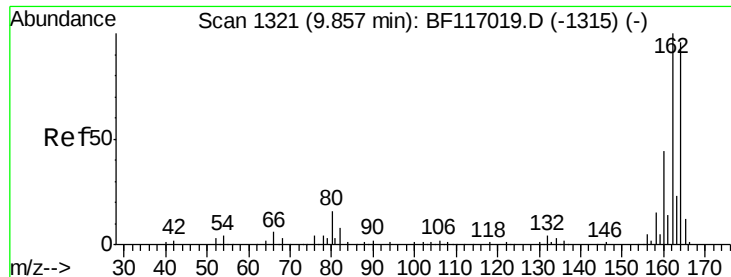
Tot Ion:142 Resp: 327888
Ion Ratio Lower Upper
142 100
141 86.4 70.7 106.1
115 35.3 29.4 44.0



#38
1-Methylnaphthalene
Concen: 44.336 ng
RT: 8.92 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

Tgt Ion:142 Resp: 300771
Ion Ratio Lower Upper
142 100
141 91.7 71.9 107.9
116 4.0 3.2 4.8

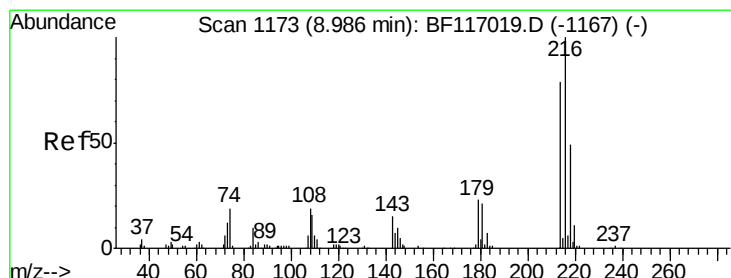
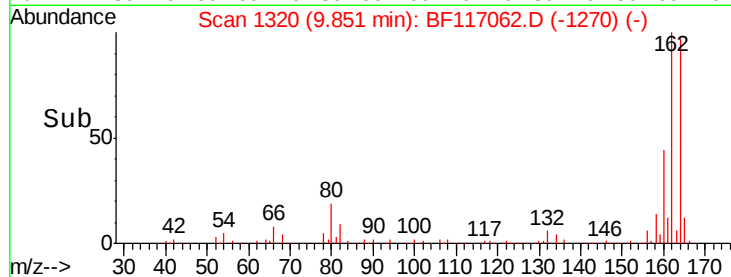
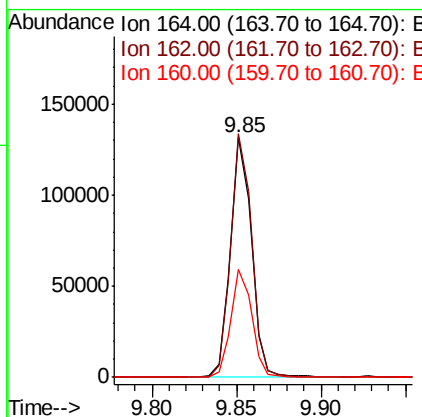
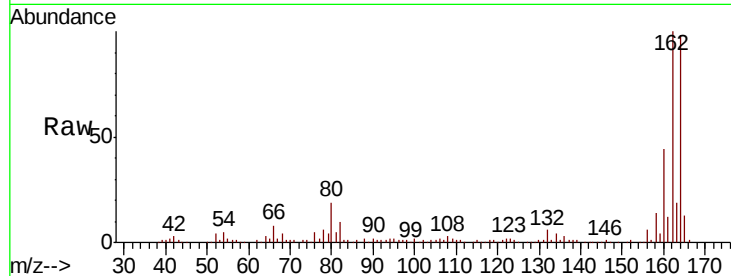




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

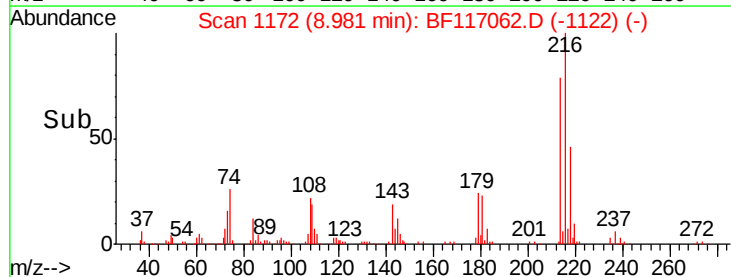
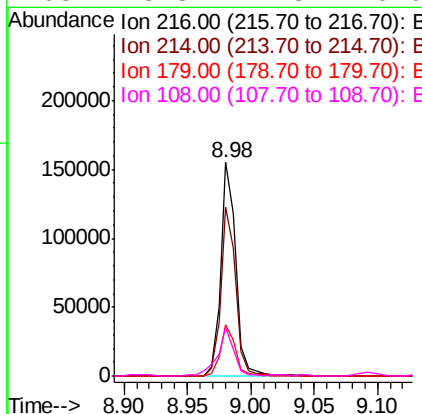
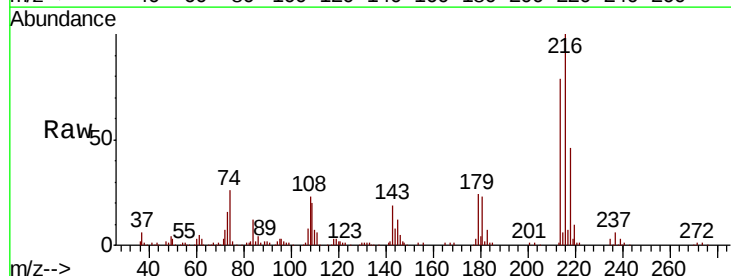
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion:164 Resp: 113858
Ion Ratio Lower Upper
164 100
162 101.6 83.4 125.2
160 45.0 36.4 54.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.213 ng
RT: 8.98 min Scan# 1172
Delta R.T. -0.01 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

Tgt Ion:216 Resp: 129991
Ion Ratio Lower Upper
216 100
214 78.1 63.6 95.4
179 23.8 18.3 27.5
108 25.3 17.8 26.6

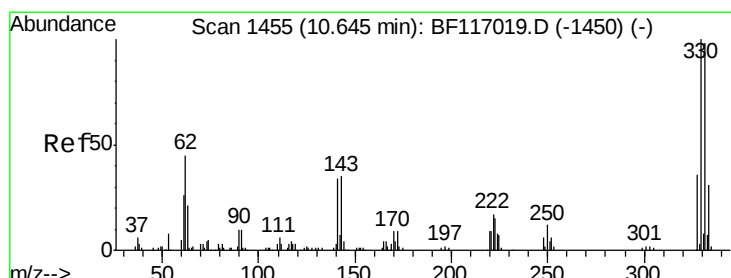
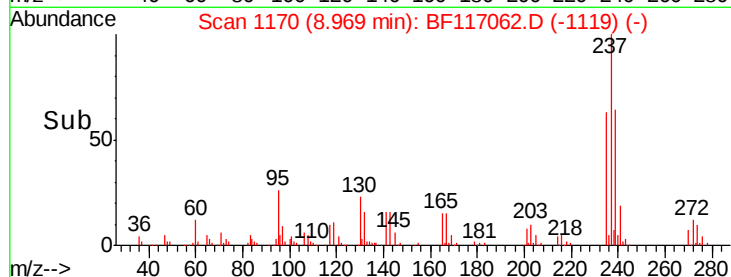
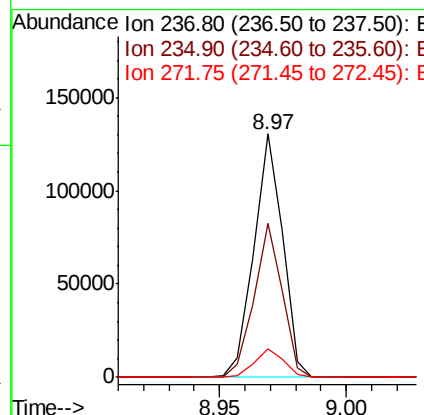
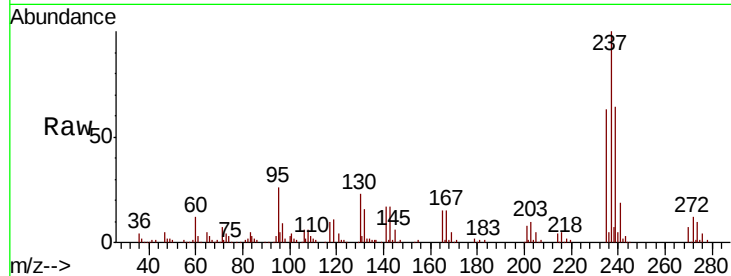




#41
Hexachlorocyclopentadiene
Concen: 79.726 ng
RT: 8.97 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

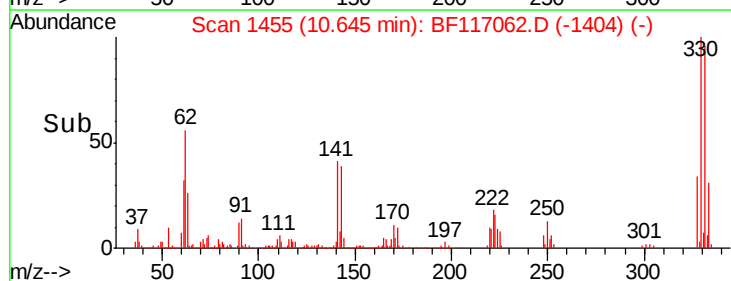
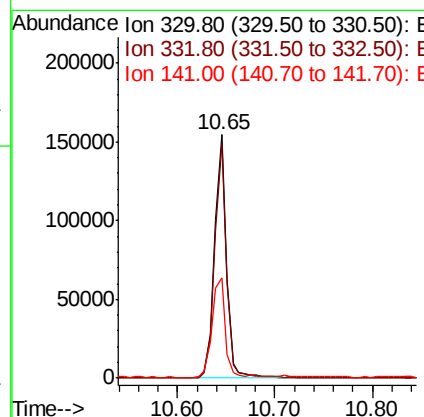
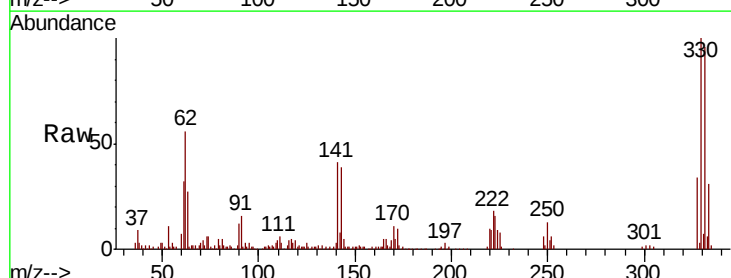
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion:237 Resp: 103573
Ion Ratio Lower Upper
237 100
235 63.3 43.2 83.2
272 11.5 0.0 31.9



#42
2,4,6-Tribromophenol
Concen: 139.528 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.00 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

Tgt Ion:330 Resp: 132774
Ion Ratio Lower Upper
330 100
332 95.0 78.0 117.0
141 45.1 35.8 53.6

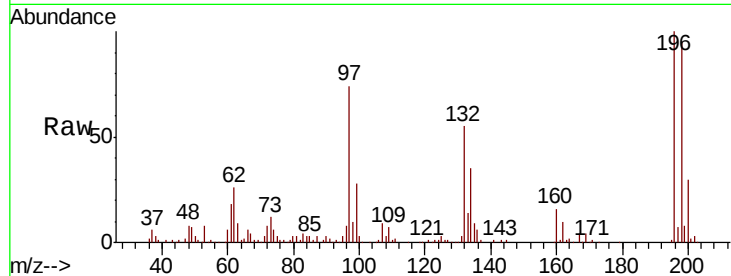




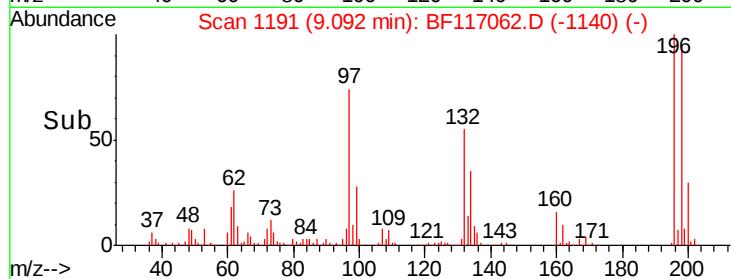
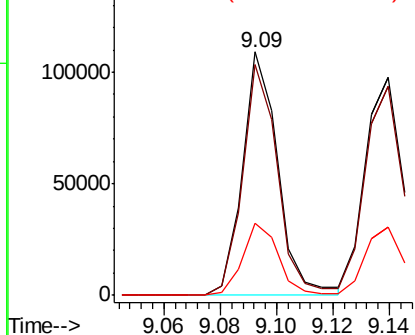
#43
 2,4,6-Trichlorophenol
 Concen: 47.645 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: BF117062.D
 Acq: 16 Sep 2019 14:51

Instrument :
 BNA_F
 ClientSampled :
 VE-4-11MSD

Tot Ion:196 Resp: 95064
 Ion Ratio Lower Upper
 196 100
 198 94.6 75.7 113.5
 200 29.5 23.3 34.9



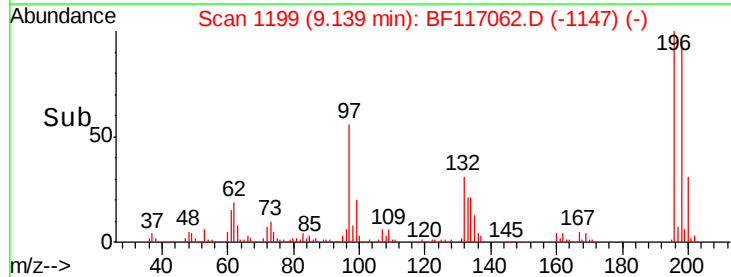
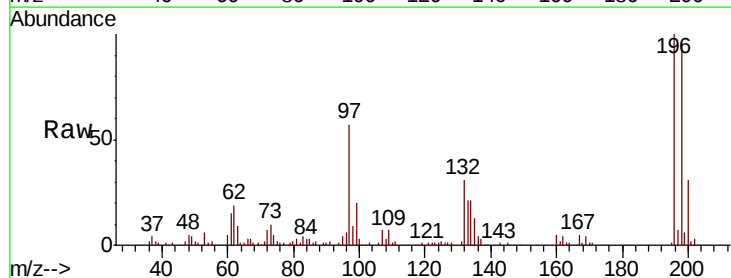
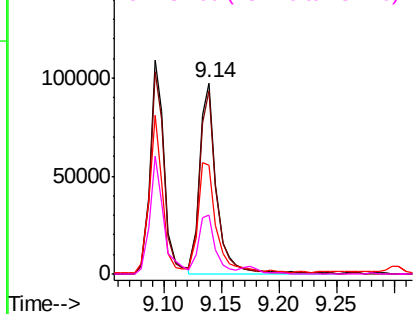
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 47.355 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. 0.01 min
 Lab File: BF117062.D
 Acq: 16 Sep 2019 14:51

Tgt Ion:196 Resp: 100948
 Ion Ratio Lower Upper
 196 100
 198 95.9 74.6 112.0
 97 57.0 49.5 74.3
 132 30.8 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

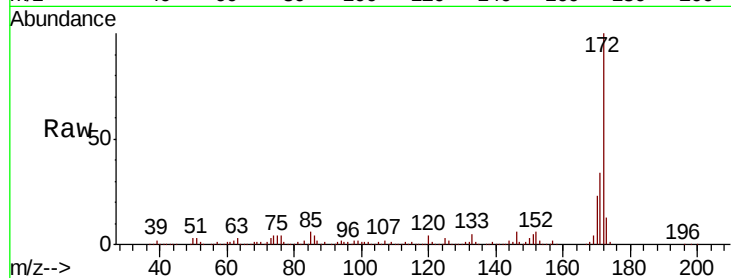




#45
2-Fluorobiphenyl
Concen: 89.643 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.2	42.2
170	23.2	18.9	28.3

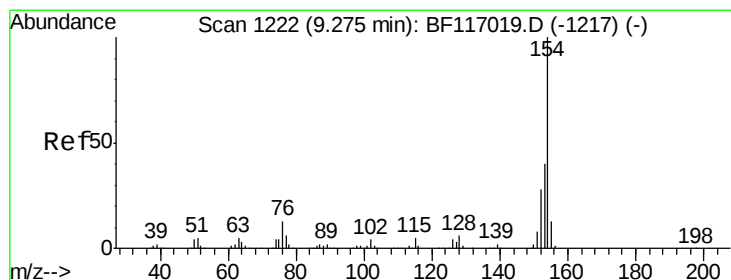
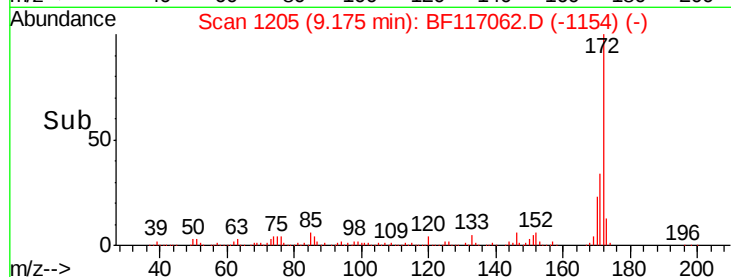
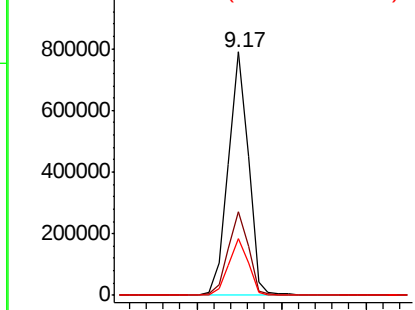


Abundance

Ion 172.00 (171.70 to 172.70): E

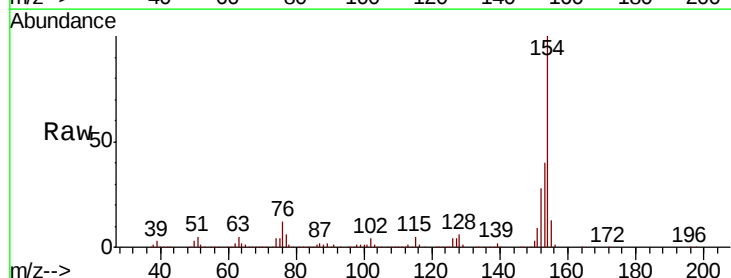
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 44.625 ng
RT: 9.27 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.0	60.0
76	12.2	0.0	32.7

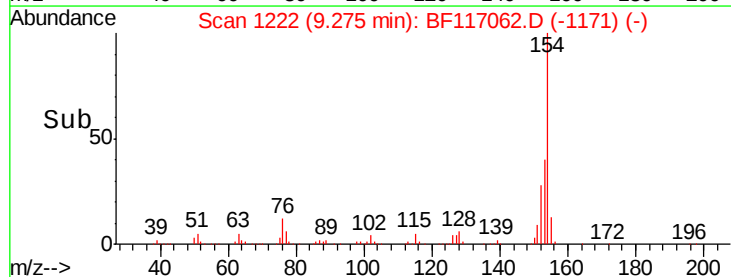
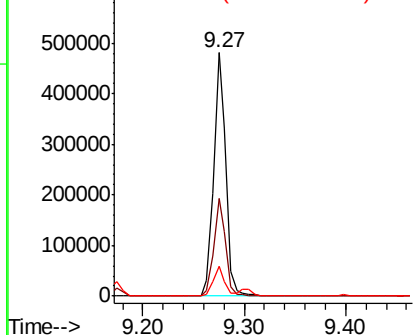


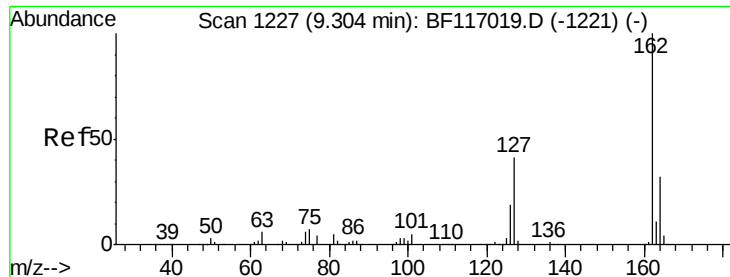
Abundance

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: 44.241 ng

RT: 9.30 min Scan# 1227

Delta R.T. 0.00 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

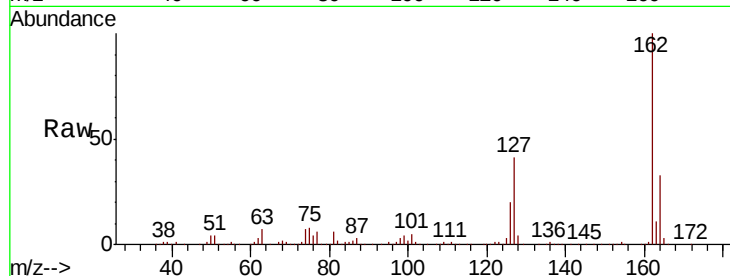
Tot Ion:162 Resp: 311829

Ion Ratio Lower Upper

162 100

127 41.2 34.1 51.1

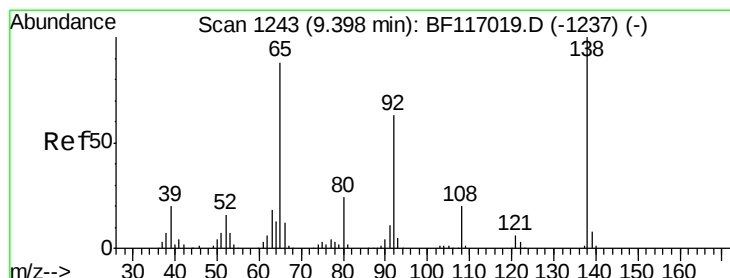
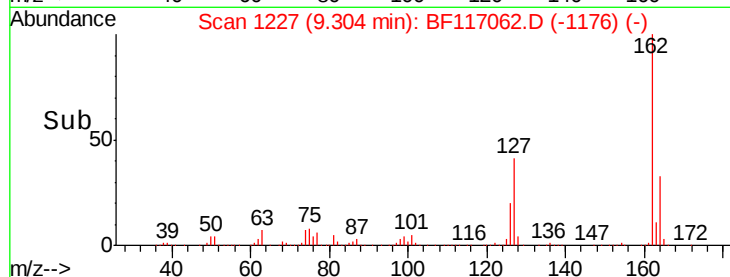
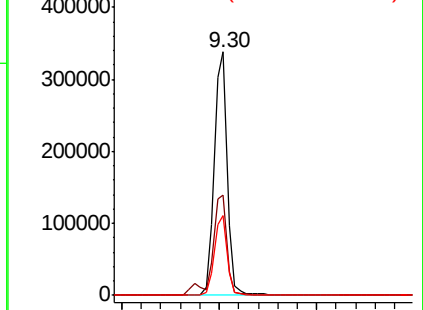
164 32.8 25.9 38.9



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: 44.989 ng

RT: 9.40 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

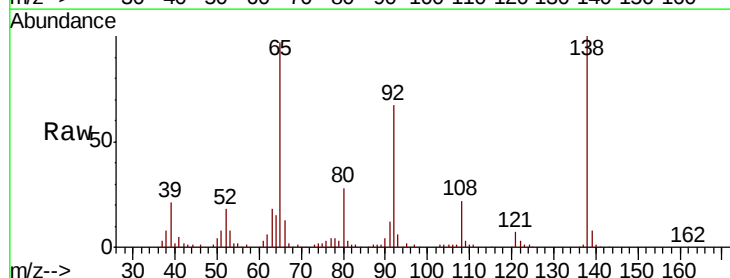
Tgt Ion: 65 Resp: 101711

Ion Ratio Lower Upper

65 100

92 69.2 57.5 86.3

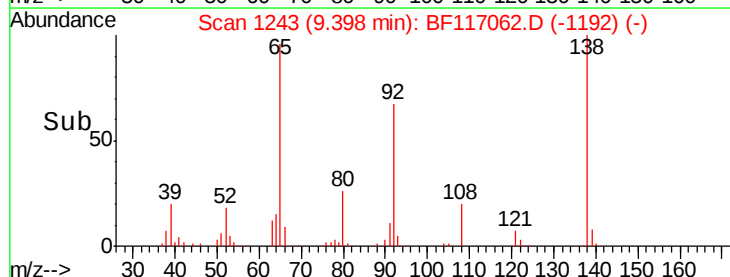
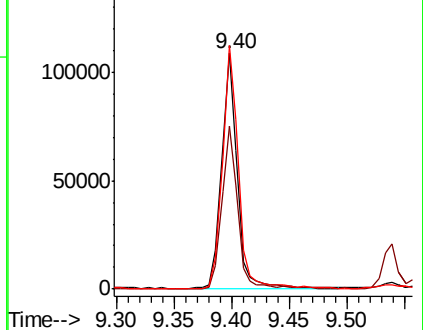
138 103.3 90.6 136.0

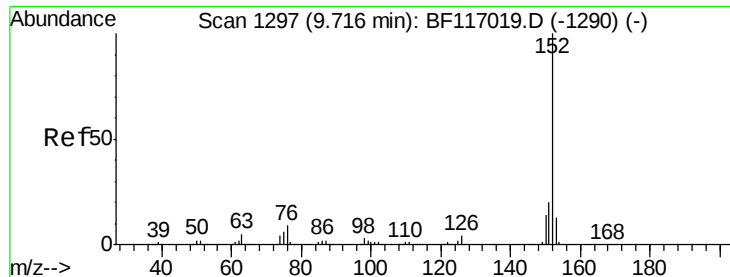


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E

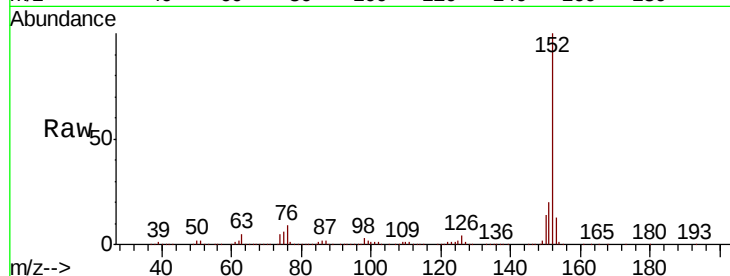




#49
Acenaphthylene
Concen: 45.992 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.1	10.2	15.4

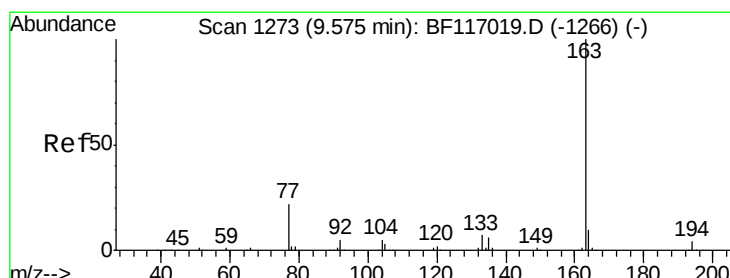
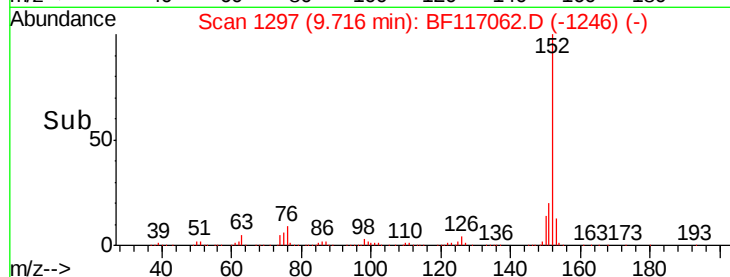
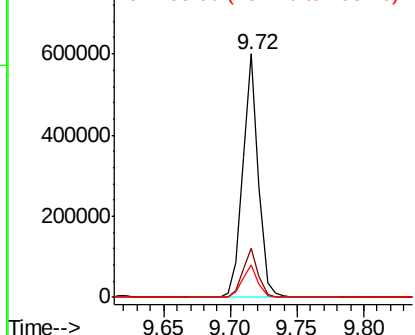


Abundance

Ion 152.00 (151.70 to 152.70): E

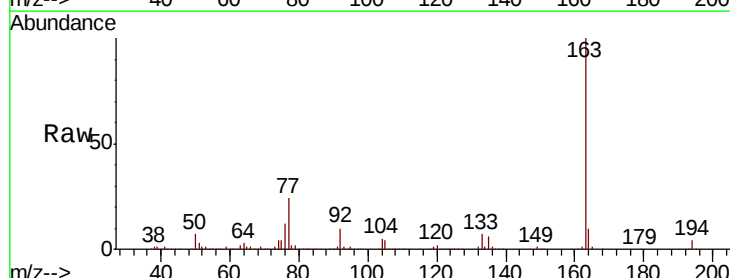
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50
Dimethylphthalate
Concen: 50.639 ng
RT: 9.57 min Scan# 1273
Delta R.T. 0.00 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.9	4.3
164	9.8	8.2	12.4

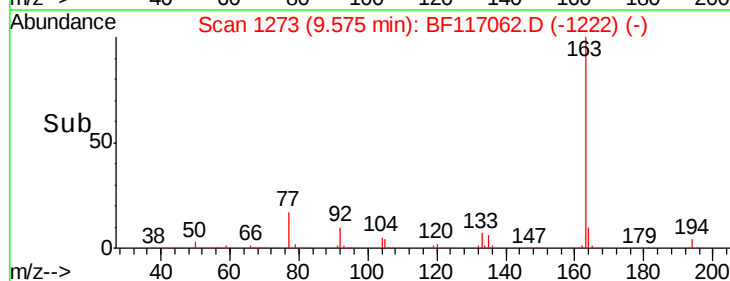
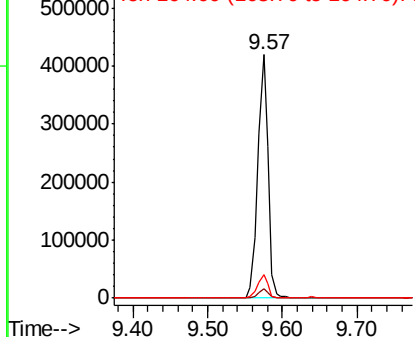


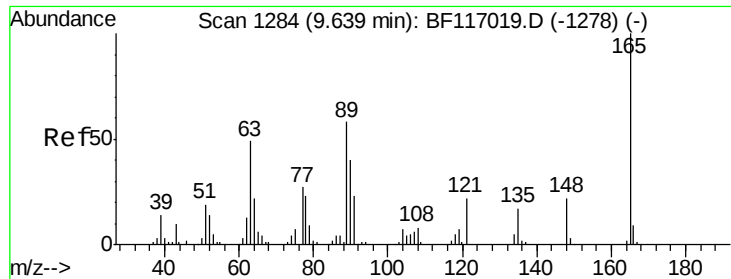
Abundance

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: 51.858 ng

RT: 9.64 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

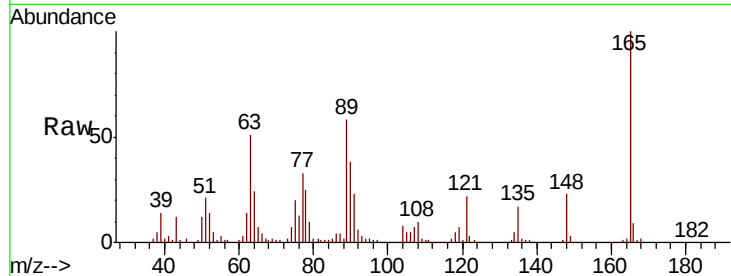
Tot Ion:165 Resp: 85146

Ion Ratio Lower Upper

165 100

63 51.3 41.8 62.8

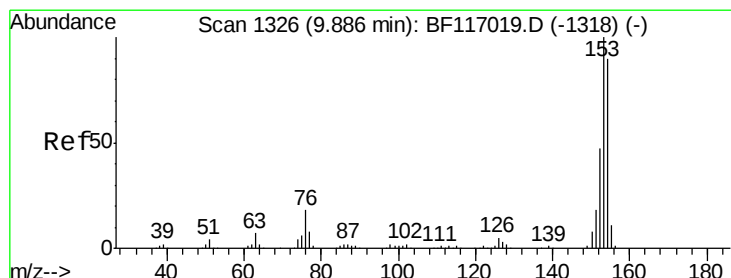
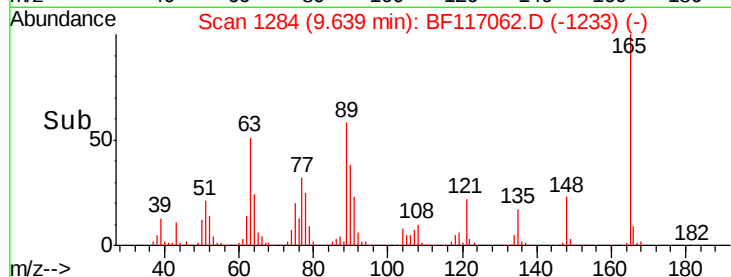
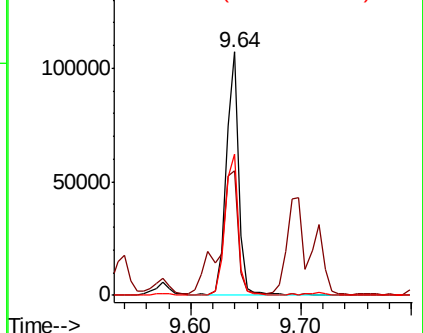
89 58.2 46.5 69.7



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 44.978 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

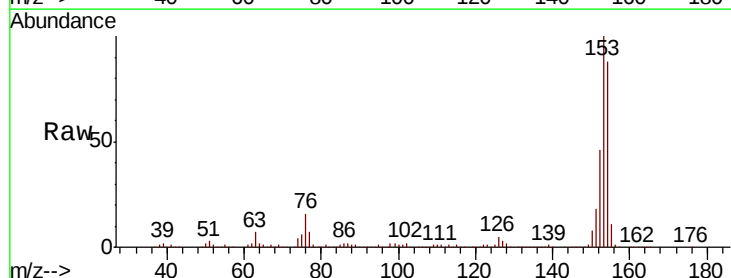
Tgt Ion:154 Resp: 281529

Ion Ratio Lower Upper

154 100

153 113.2 89.0 133.6

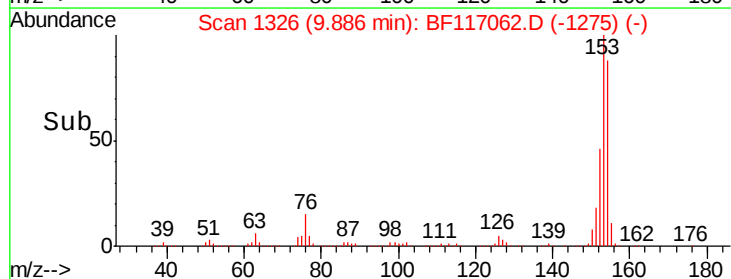
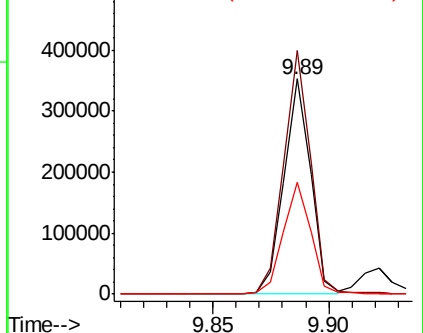
152 51.8 41.9 62.9

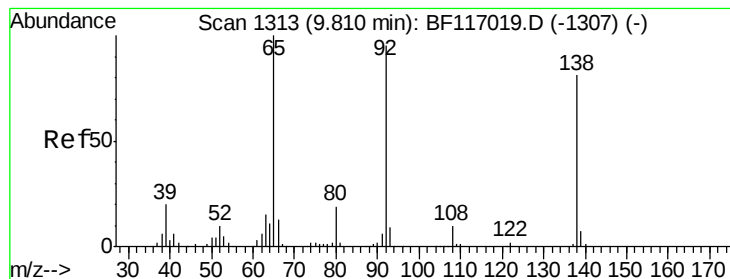


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 18.349 ng

RT: 9.81 min Scan# 1313

Delta R.T. 0.00 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

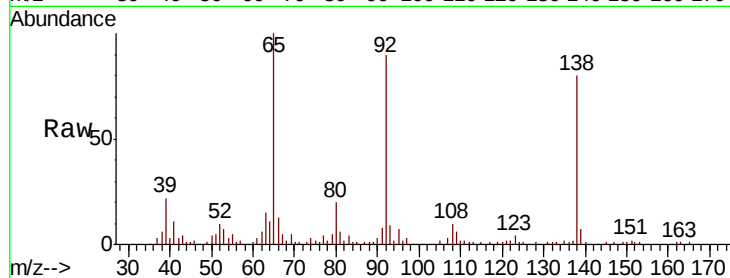
Tot Ion:138 Resp: 38012

Ion Ratio Lower Upper

138 100

108 12.5 9.5 14.3

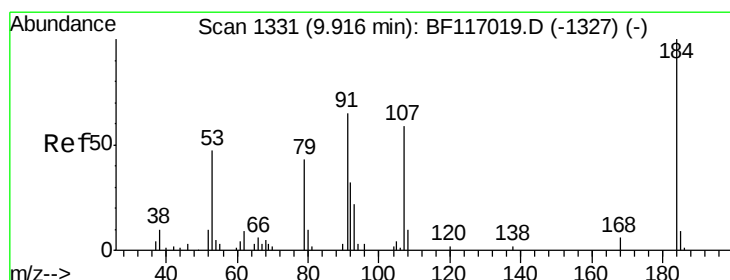
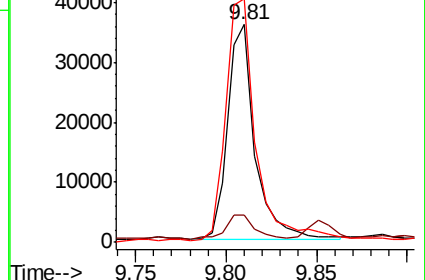
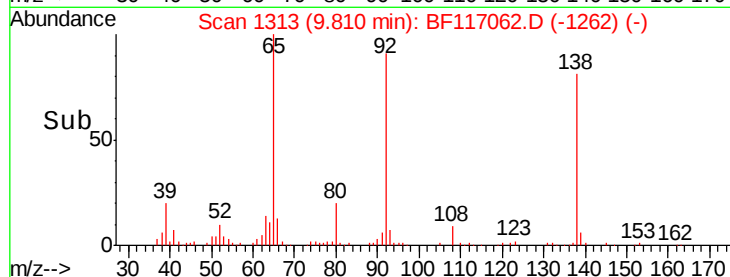
92 111.8 94.1 141.1



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: 80.262 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.01 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

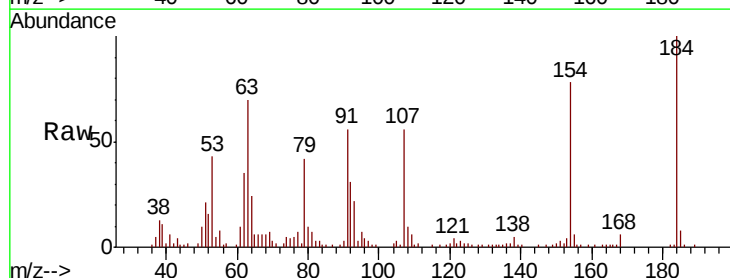
Tgt Ion:184 Resp: 56927

Ion Ratio Lower Upper

184 100

63 69.9 63.8 95.6

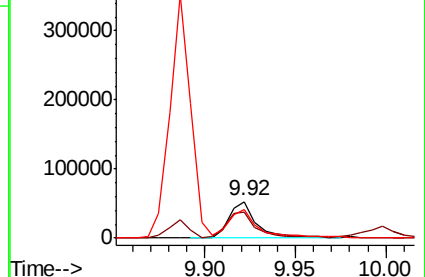
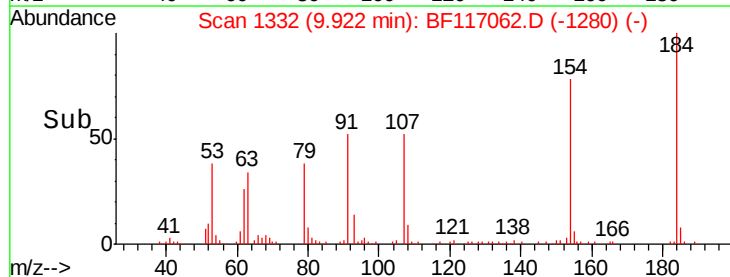
154 78.4 60.4 90.6

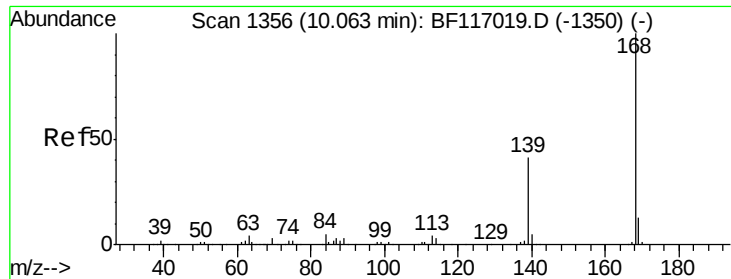


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

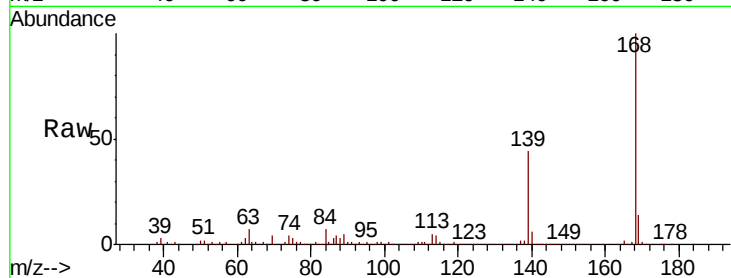




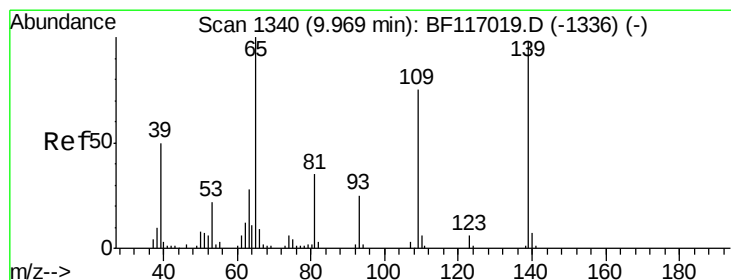
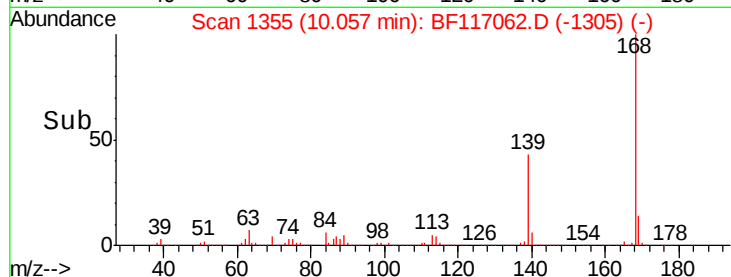
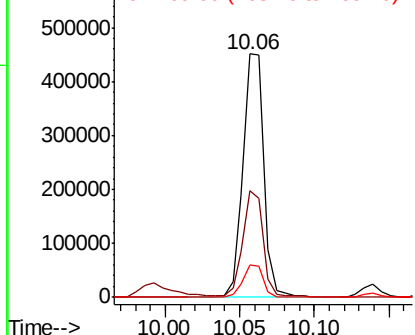
#55
Dibenzenofuran
Concen: 47.567 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion:168 Resp: 439282
Ion Ratio Lower Upper
168 100
139 43.6 32.8 49.2
169 13.6 10.5 15.7

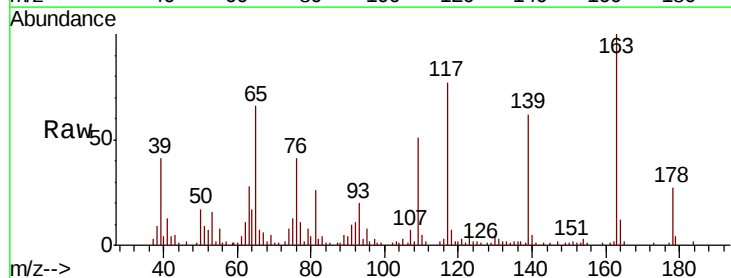


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

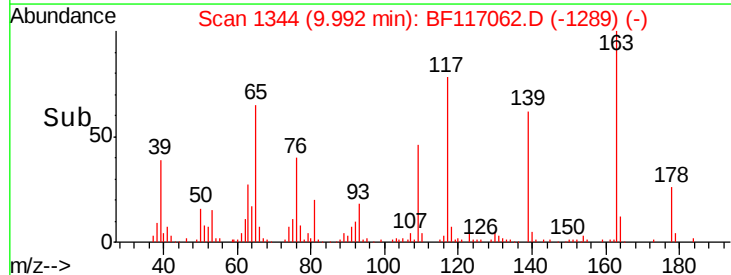
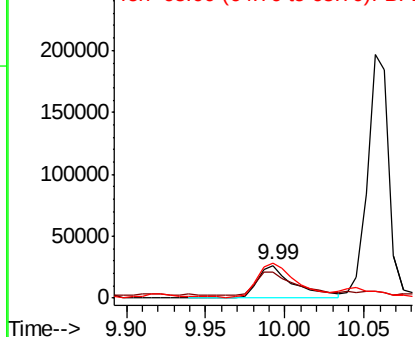


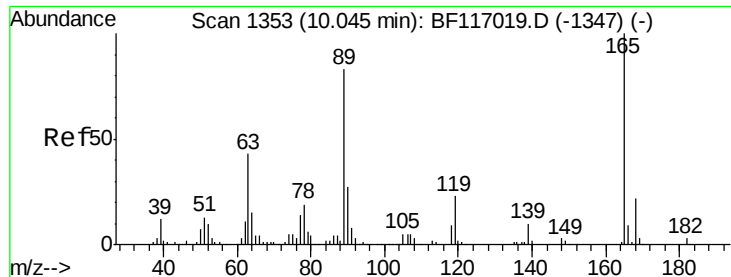
#56
4-Nitrophenol
Concen: 30.405 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.02 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

Tgt Ion:139 Resp: 40823
Ion Ratio Lower Upper
139 100
109 81.0 56.4 96.4
65 105.5 82.5 122.5



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

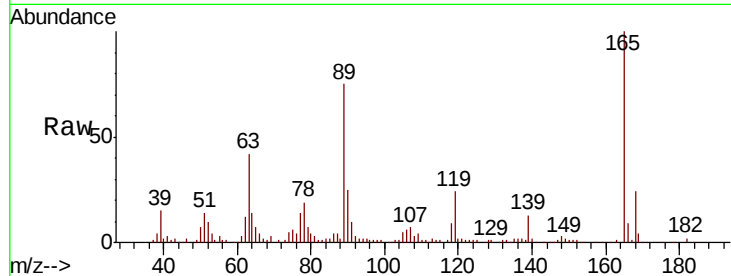




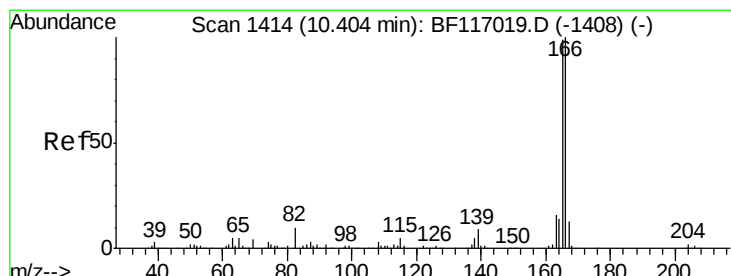
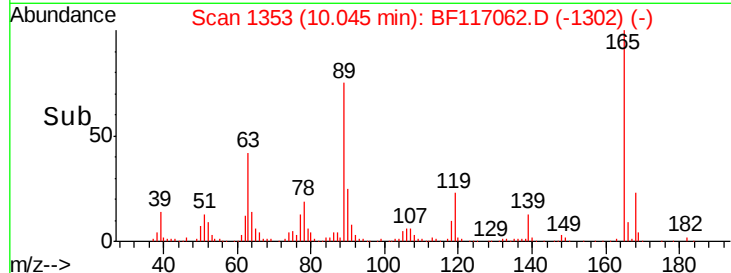
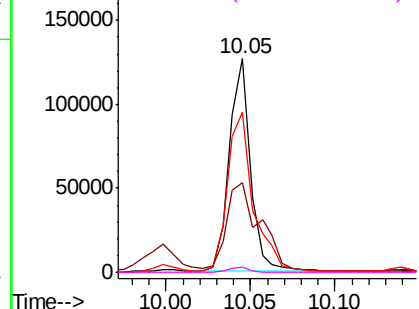
#57
2,4-Dinitrotoluene
Concen: 51.868 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion:165 Resp: 110546
Ion Ratio Lower Upper
165 100
63 42.2 35.0 52.4
89 75.1 66.1 99.1
182 2.2 2.0 3.0

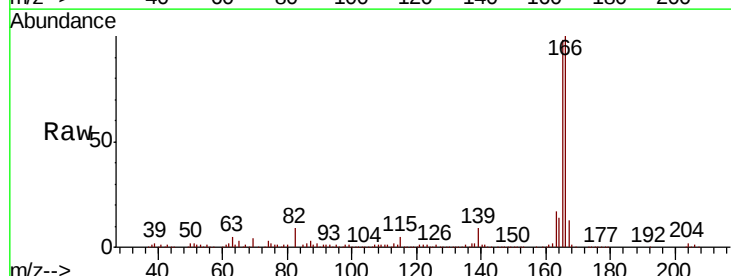


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

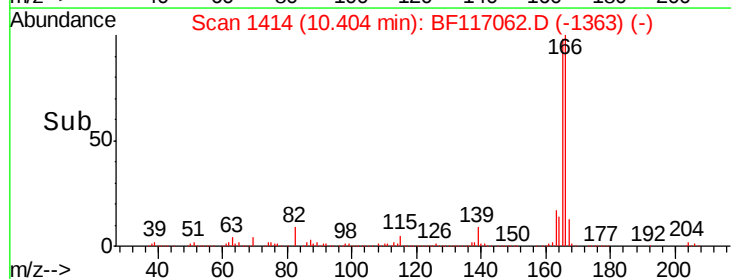
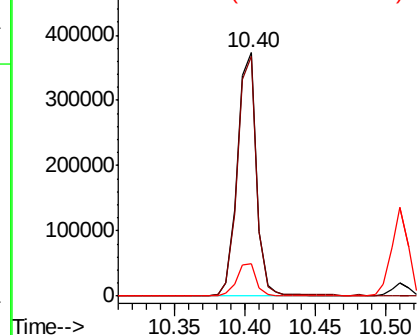


#58
Fluorene
Concen: 47.209 ng
RT: 10.40 min Scan# 1414
Delta R.T. 0.00 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

Tgt Ion:166 Resp: 351196
Ion Ratio Lower Upper
166 100
165 98.3 78.9 118.3
167 13.3 10.6 15.8



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





#59

2,3,4,6-Tetrachlorophenol

Concen: 48.806 ng

RT: 10.18 min Scan# 1376

Delta R.T. 0.00 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

Tot Ion:232 Resp: 79618

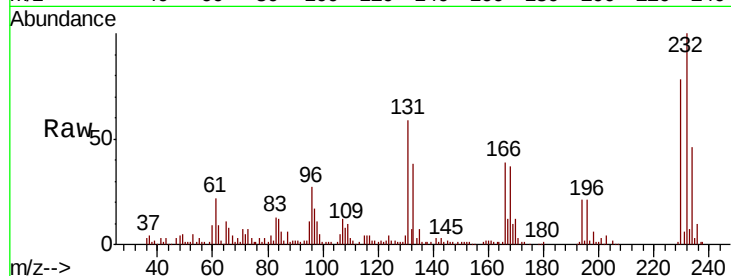
Ion Ratio Lower Upper

232 100

131 55.4 45.3 67.9

130 3.5 1.8 2.8#

166 37.4 29.4 44.2

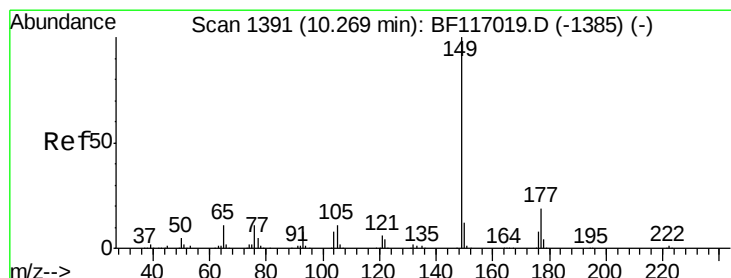
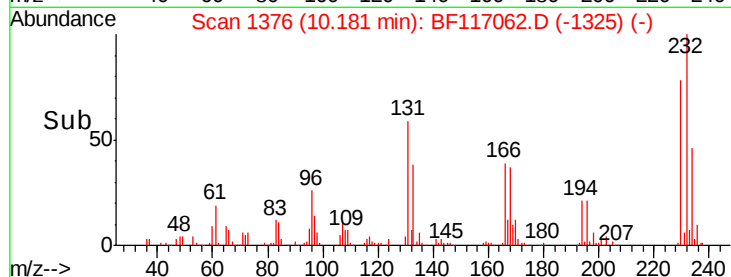
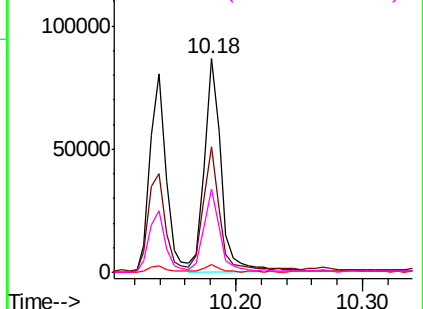


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 47.484 ng

RT: 10.27 min Scan# 1391

Delta R.T. 0.00 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

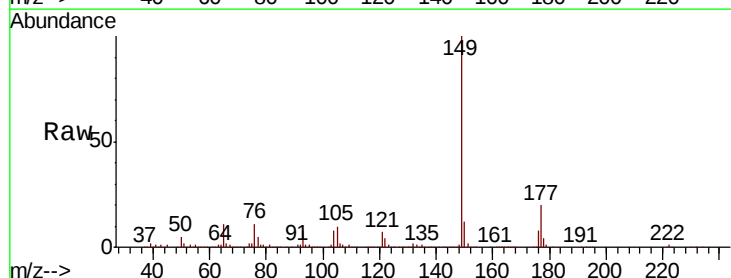
Tgt Ion:149 Resp: 376611

Ion Ratio Lower Upper

149 100

177 19.5 15.2 22.8

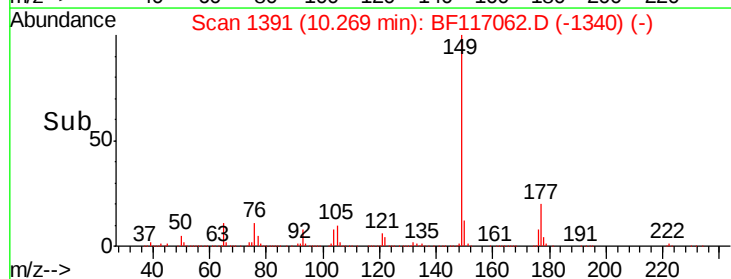
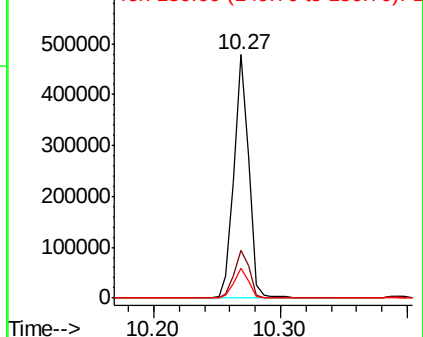
150 12.1 9.9 14.9

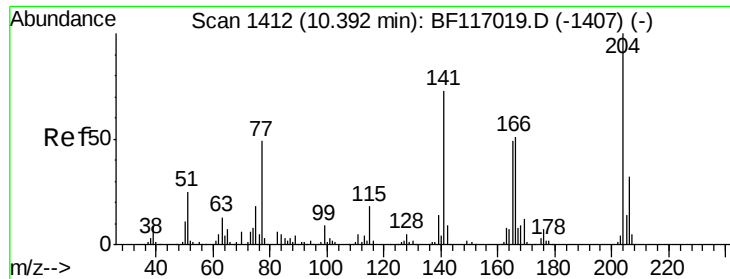


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

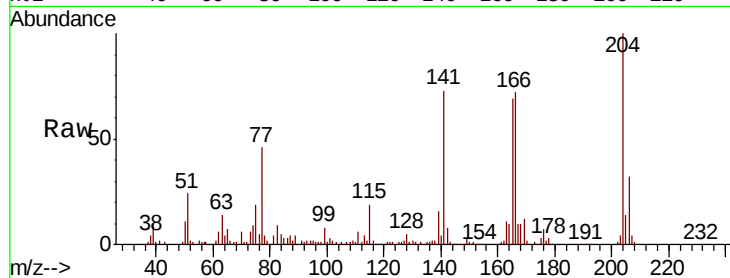




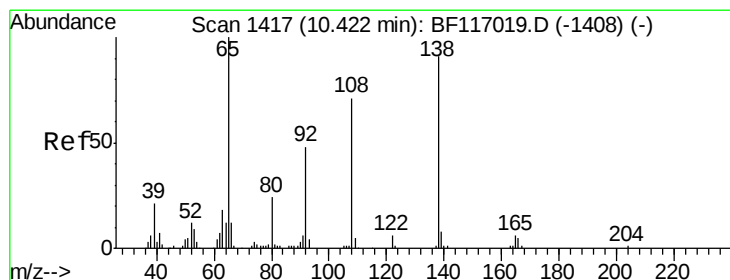
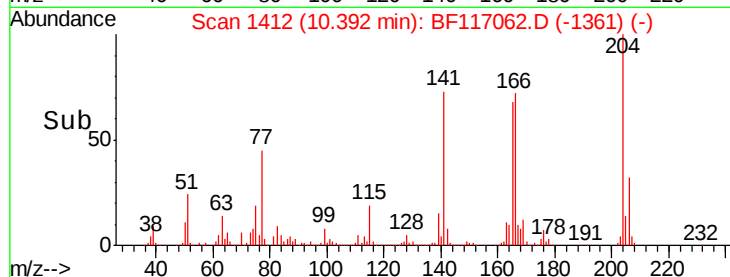
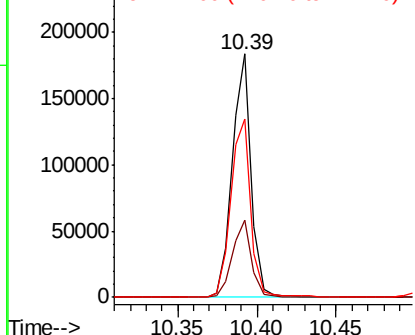
#61
4-Chlorophenyl-phenylether
Concen: 47.156 ng
RT: 10.39 min Scan# 1412
Delta R.T. 0.00 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion:204 Resp: 151780
Ion Ratio Lower Upper
204 100
206 31.7 26.0 39.0
141 73.2 58.2 87.2

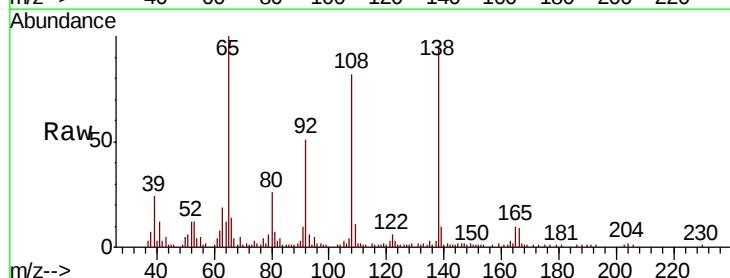


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

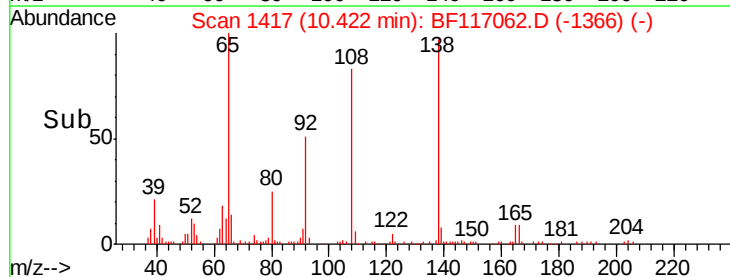
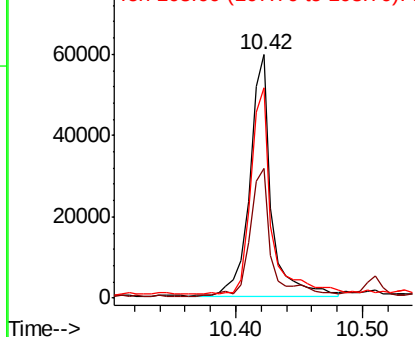


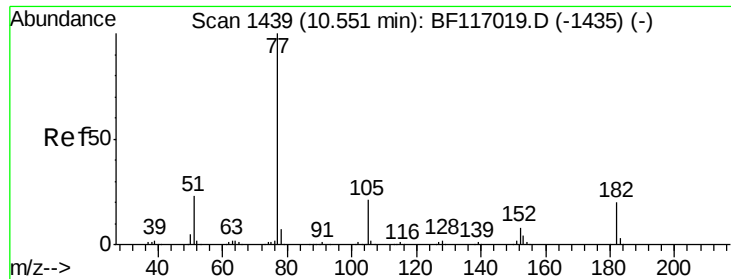
#62
4-Nitroaniline
Concen: 32.892 ng
RT: 10.42 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

Tgt Ion:138 Resp: 70862
Ion Ratio Lower Upper
138 100
92 53.5 32.9 72.9
108 86.3 58.3 98.3



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

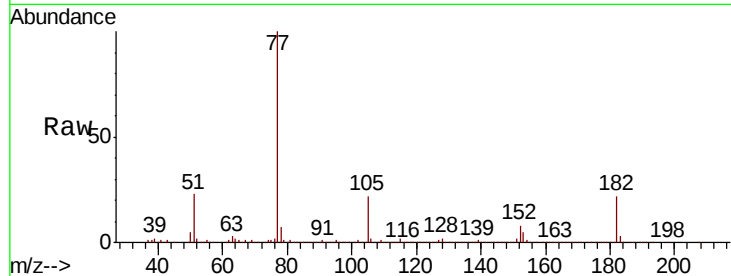




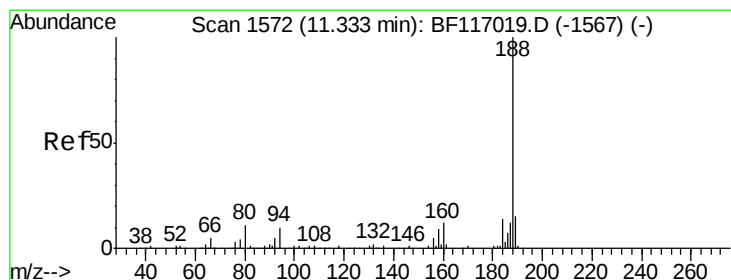
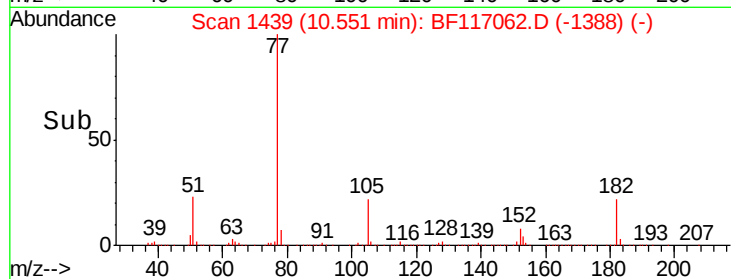
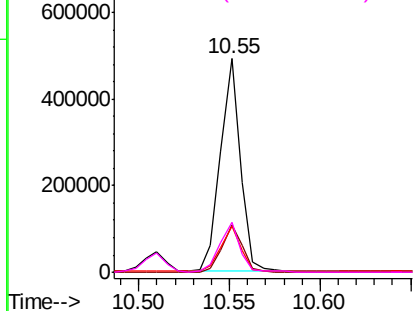
#63
Azobenzene
Concen: 46.656 ng
RT: 10.55 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion:	77	Resp:	377937
Ion	Ratio	Lower	Upper
77	100		
182	22.0	0.4	40.4
105	21.8	0.9	40.9
51	23.1	2.8	42.8

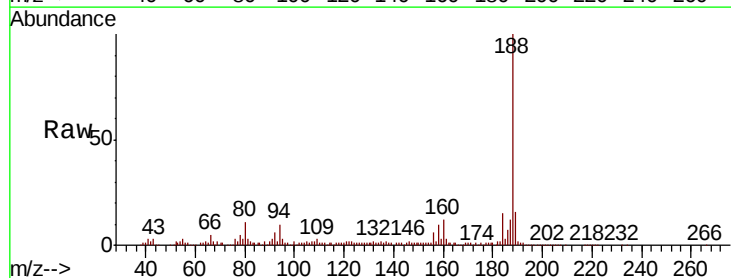


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

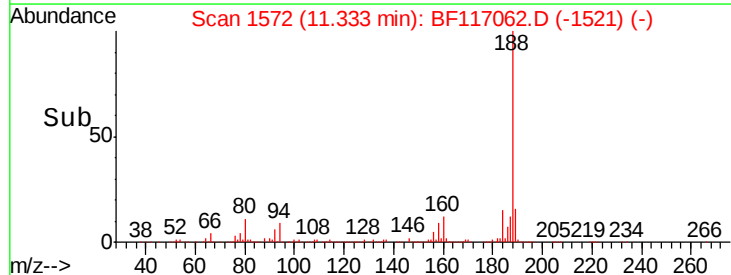
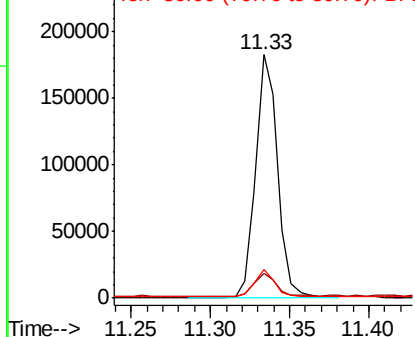


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

Tgt Ion:	188	Resp:	177708
Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.2	12.2
80	11.5	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: 56.123 ng

RT: 10.46 min Scan# 1423

Delta R.T. 0.00 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

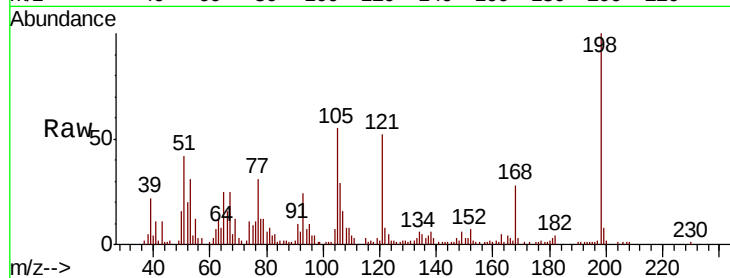
Tot Ion:198 Resp: 46548

Ion Ratio Lower Upper

198 100

51 41.7 18.7 58.7

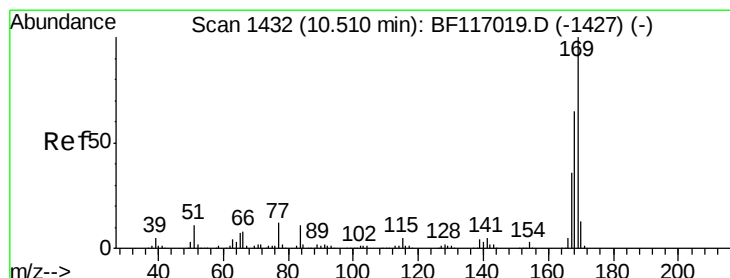
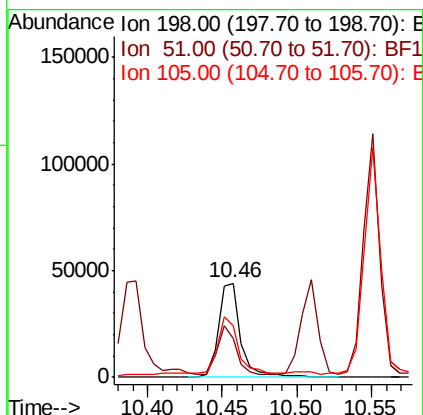
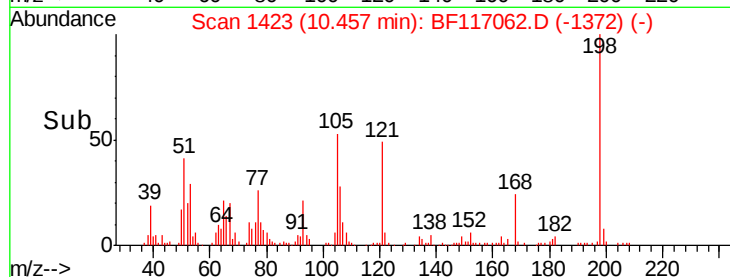
105 55.2 30.2 70.2



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 50.066 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

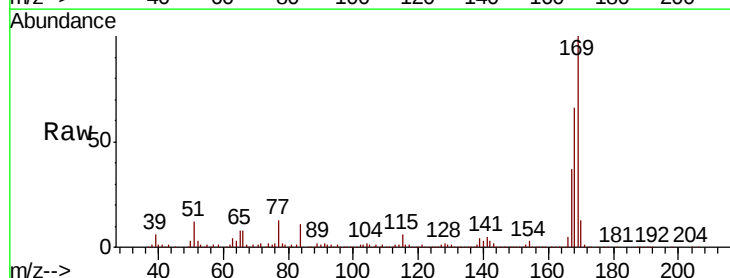
Tgt Ion:169 Resp: 307268

Ion Ratio Lower Upper

169 100

168 65.8 52.2 78.2

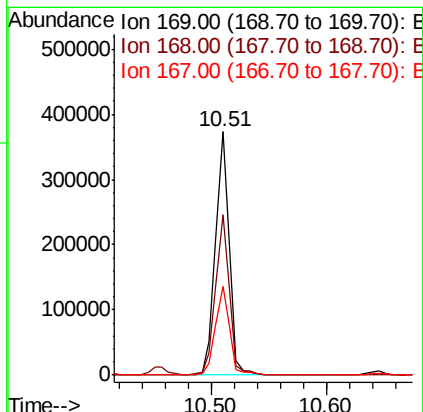
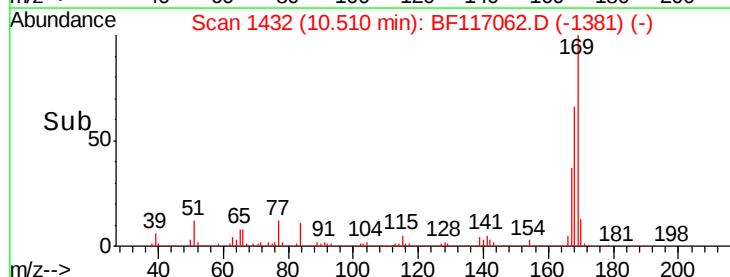
167 36.7 28.8 43.2



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

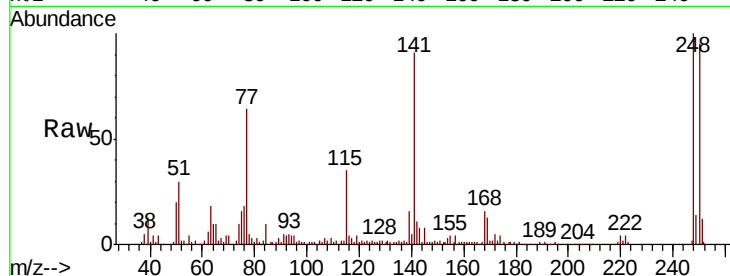




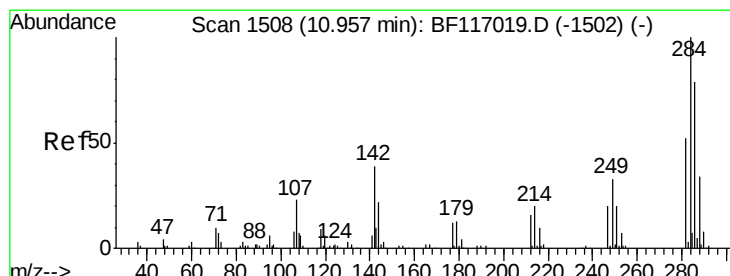
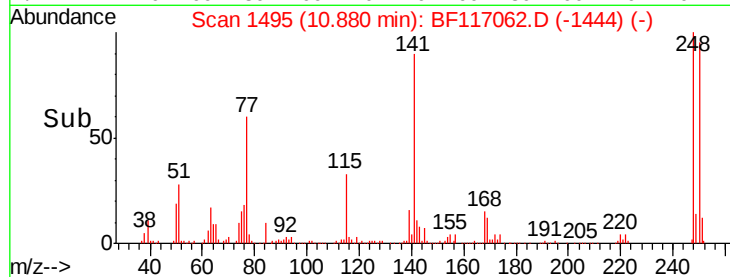
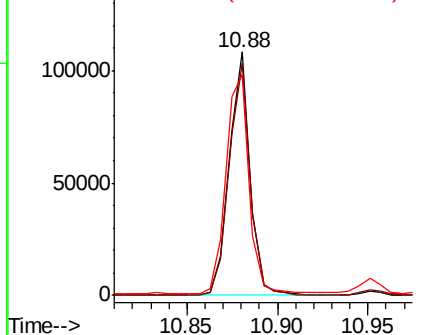
#67
 4-Bromophenyl-phenylether
 Concen: 47.898 ng
 RT: 10.88 min Scan# 1495
 Delta R.T. 0.00 min
 Lab File: BF117062.D
 Acq: 16 Sep 2019 14:51

Instrument :
 BNA_F
 ClientSampled :
 VE-4-11MSD

Tot Ion:248 Resp: 86926
 Ion Ratio Lower Upper
 248 100
 250 95.4 76.2 114.4
 141 90.6 75.0 112.4

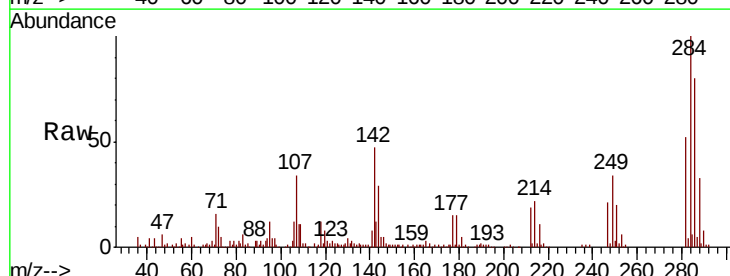


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

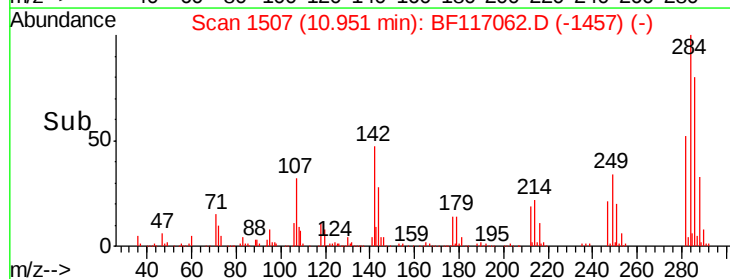
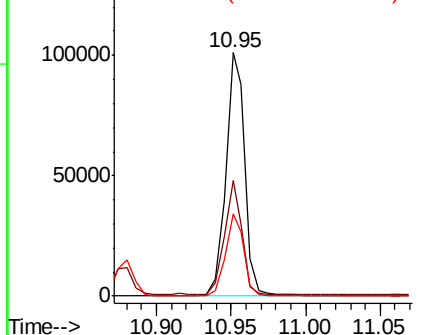


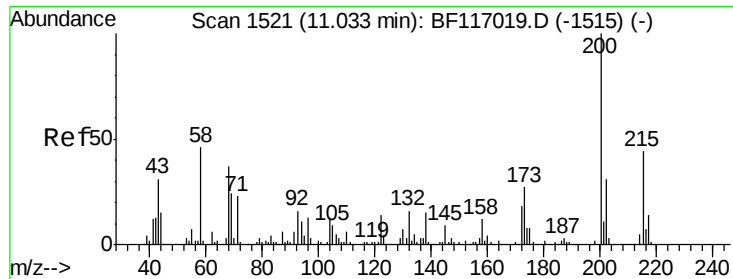
#68
 Hexachlorobenzene
 Concen: 45.875 ng
 RT: 10.95 min Scan# 1507
 Delta R.T. -0.01 min
 Lab File: BF117062.D
 Acq: 16 Sep 2019 14:51

Tgt Ion:284 Resp: 91061
 Ion Ratio Lower Upper
 284 100
 142 47.3 31.4 47.2#
 249 33.7 26.5 39.7



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





#69

Atrazine

Concen: 53.135 ng

RT: 11.05 min Scan# 1523

Delta R.T. 0.01 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

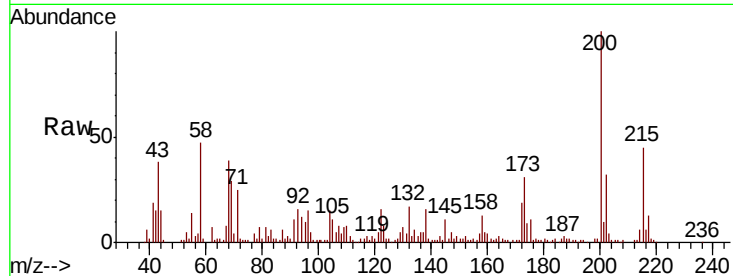
Tot Ion:200 Resp: 77290

Ion Ratio Lower Upper

200 100

173 30.9 6.9 46.9

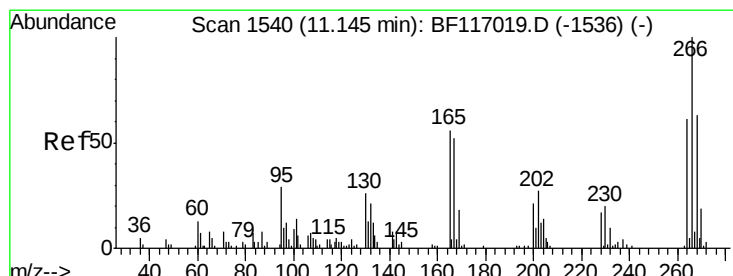
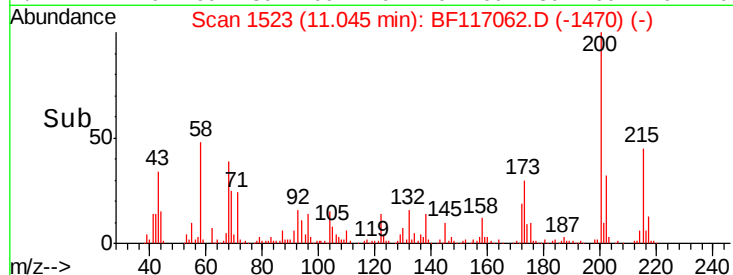
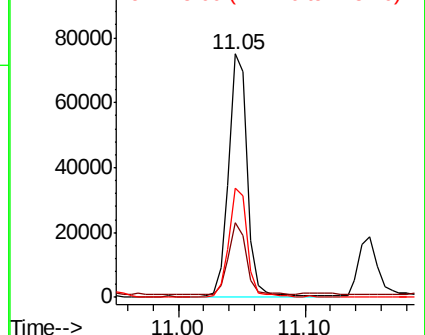
215 44.9 23.8 63.8



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: 109.419 ng

RT: 11.15 min Scan# 1541

Delta R.T. 0.01 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

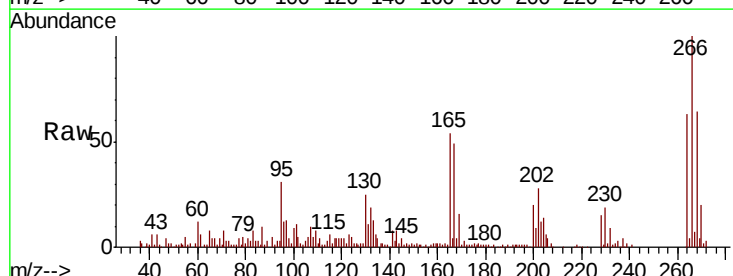
Tgt Ion:266 Resp: 101809

Ion Ratio Lower Upper

266 100

268 64.1 50.5 75.7

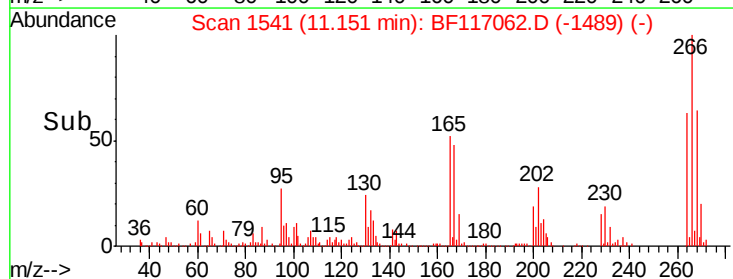
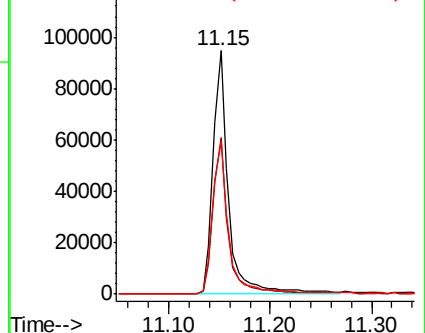
264 62.7 48.8 73.2

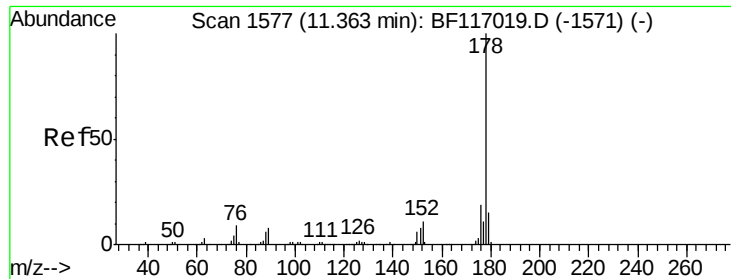


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

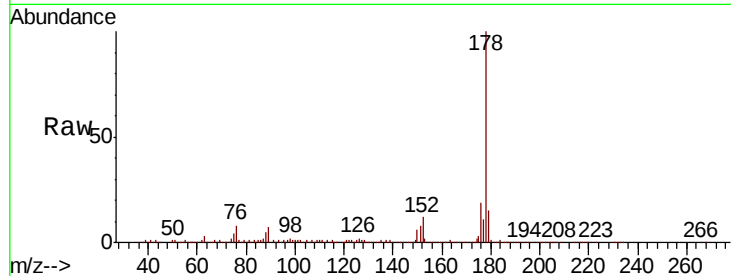




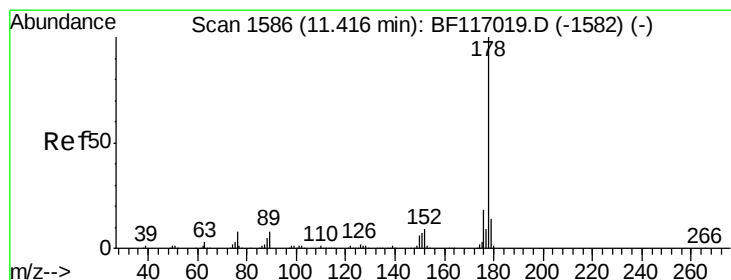
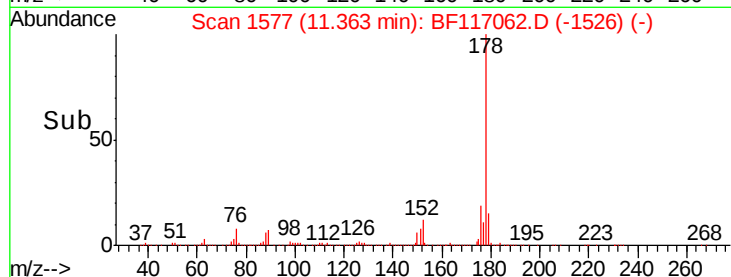
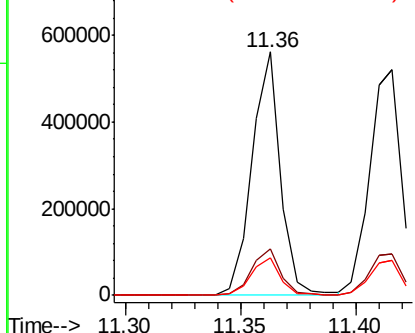
#71
Phenanthrene
Concen: 47.713 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion:178 Resp: 481601
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.4 12.4 18.6

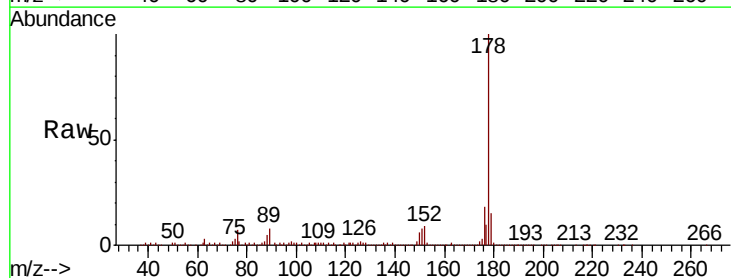


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

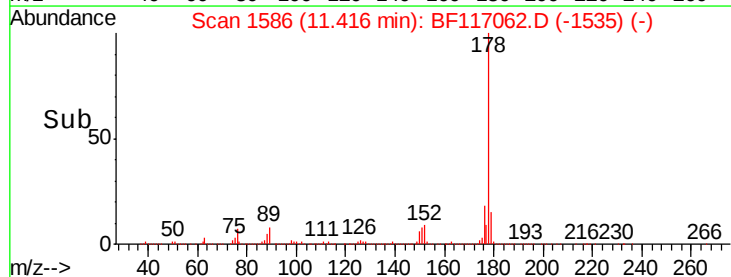
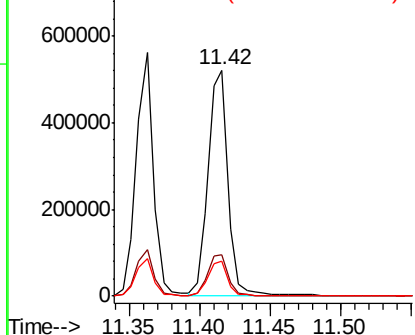


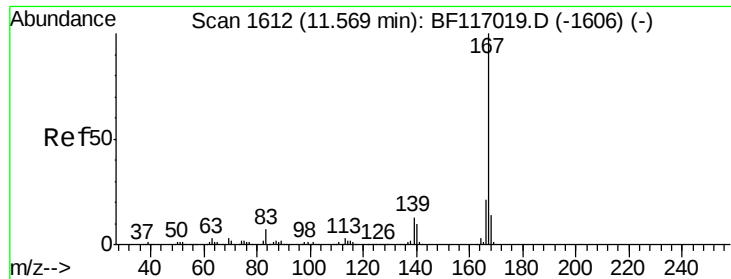
#72
Anthracene
Concen: 49.365 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

Tgt Ion:178 Resp: 508702
Ion Ratio Lower Upper
178 100
176 18.4 14.6 21.8
179 15.3 11.6 17.4



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

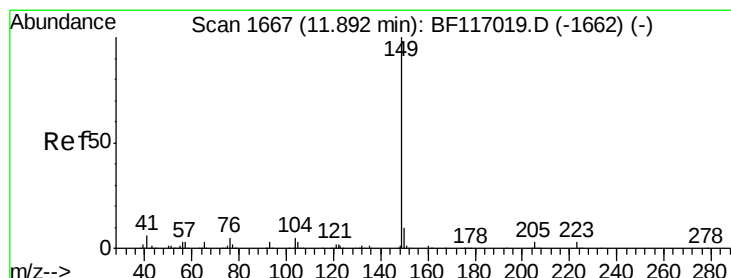
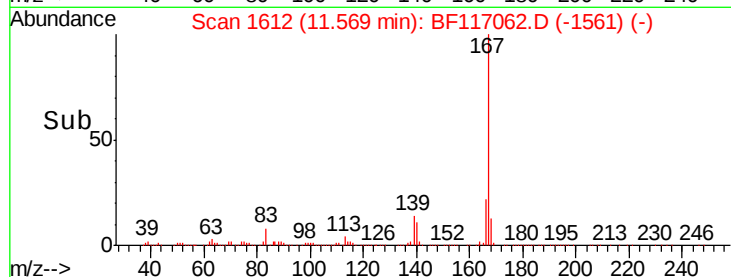
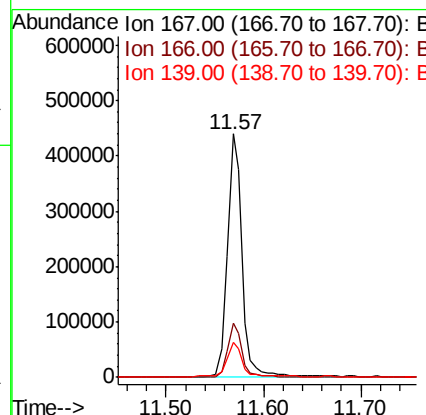
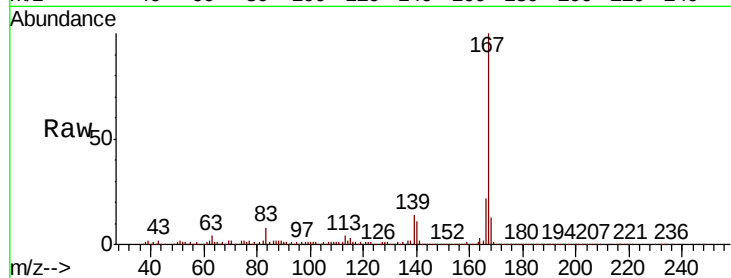




#73
 Carbazole
 Concen: 46.242 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: BF117062.D
 Acq: 16 Sep 2019 14:51

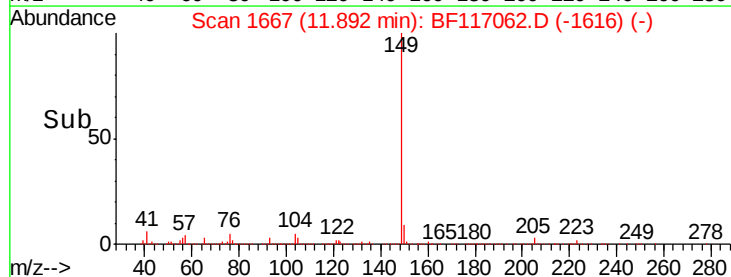
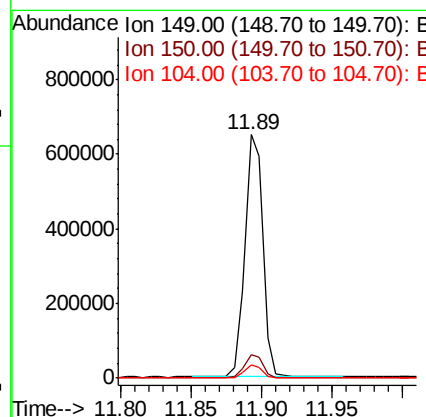
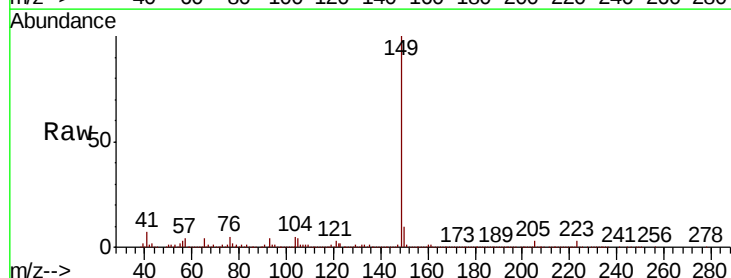
Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MSD

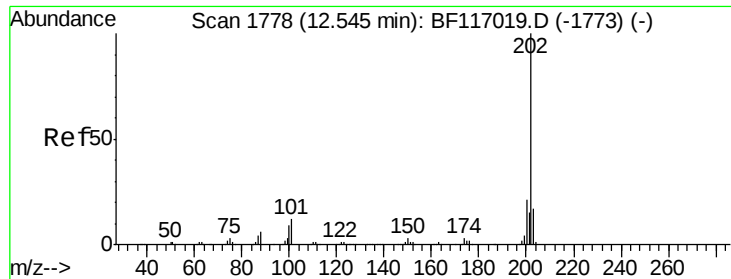
Tot Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.2	25.8
139	14.4	10.6	16.0



#74
 Di-n-butylphthalate
 Concen: 49.308 ng
 RT: 11.89 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: BF117062.D
 Acq: 16 Sep 2019 14:51

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.7	11.5
104	5.3	4.2	6.4





#75

Fluoranthene

Concen: 44.502 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

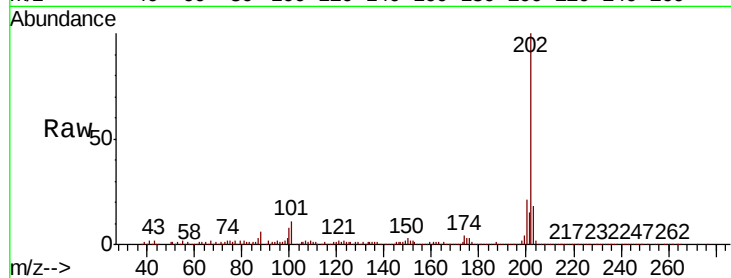
Tot Ion:202 Resp: 461540

Ion Ratio Lower Upper

202 100

101 10.6 0.0 32.3

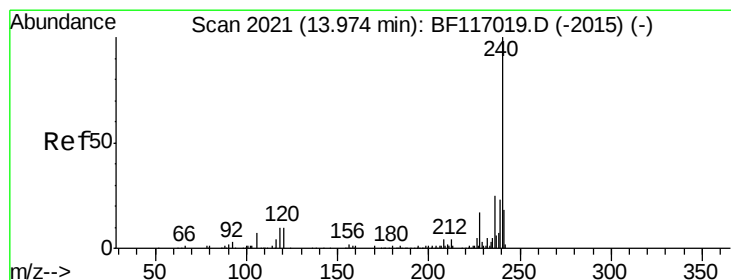
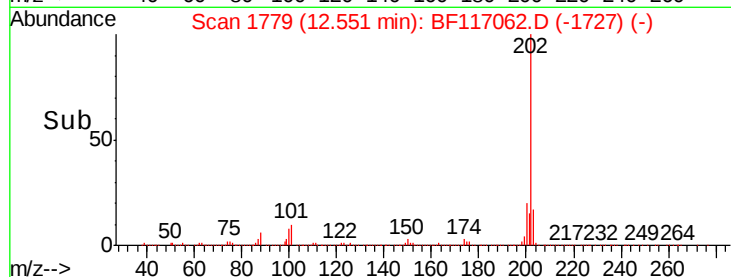
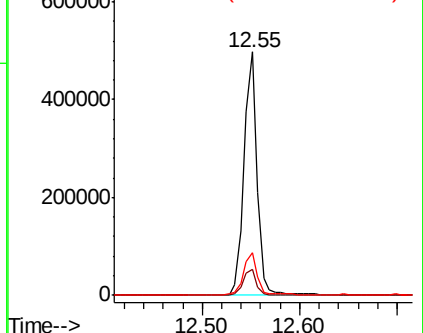
203 17.6 0.0 37.1



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: BF117062.D

Acq: 16 Sep 2019 14:51

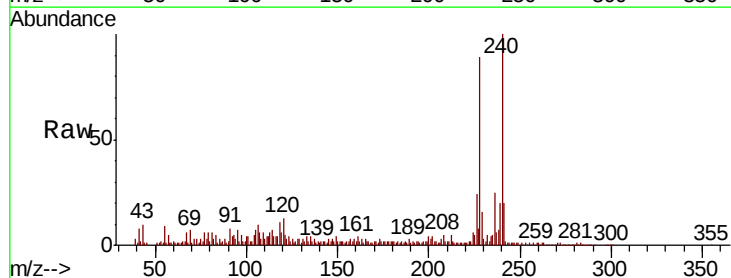
Tgt Ion:240 Resp: 108143

Ion Ratio Lower Upper

240 100

120 13.2 8.3 12.5#

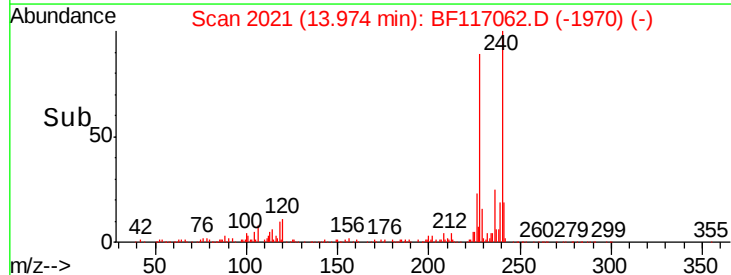
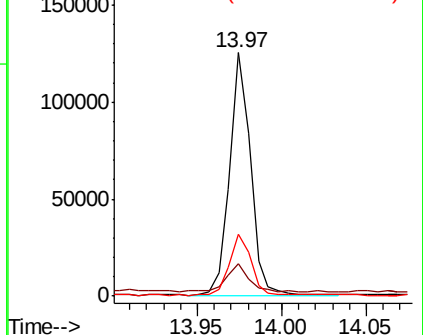
236 25.5 20.3 30.5

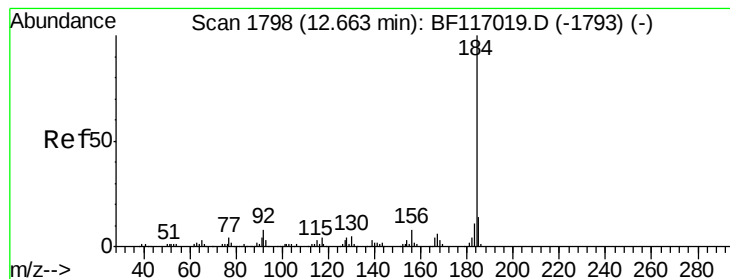


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.228 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

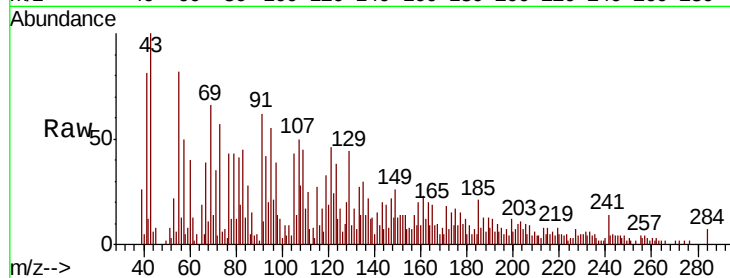
Tot Ion:184 Resp: 795

Ion Ratio Lower Upper

184 100

185 429.9 11.6 17.4#

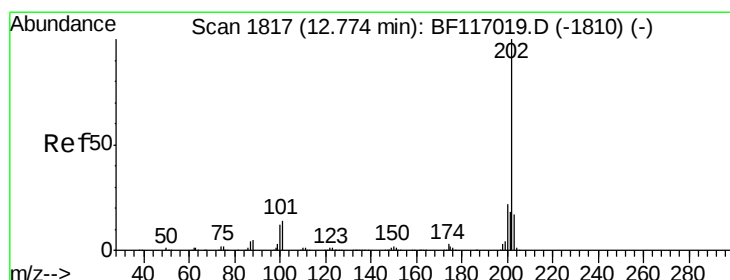
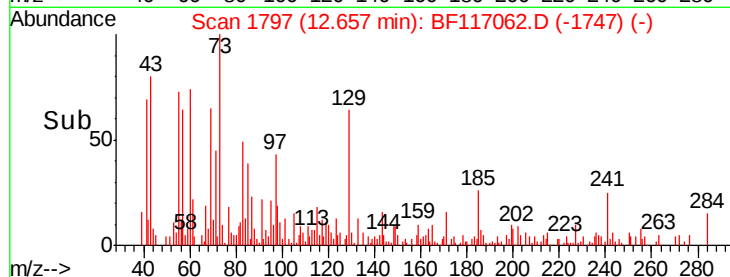
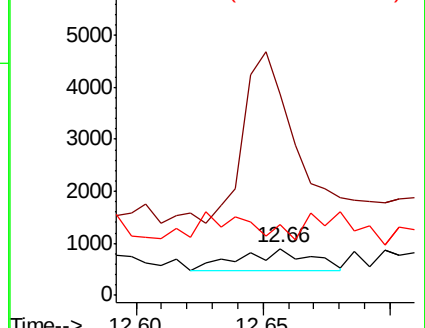
183 150.5 9.0 13.4#



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: 50.633 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.01 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

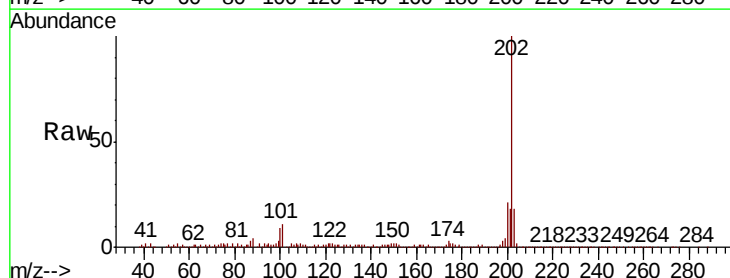
Tgt Ion:202 Resp: 459448

Ion Ratio Lower Upper

202 100

200 21.5 17.2 25.8

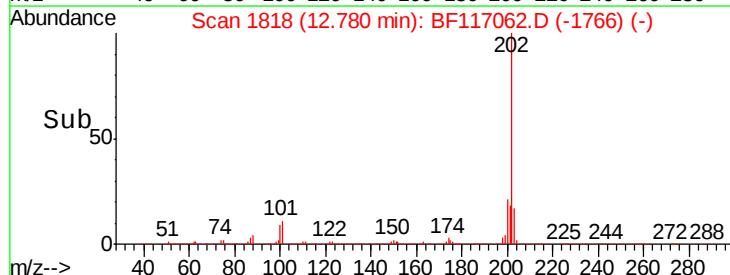
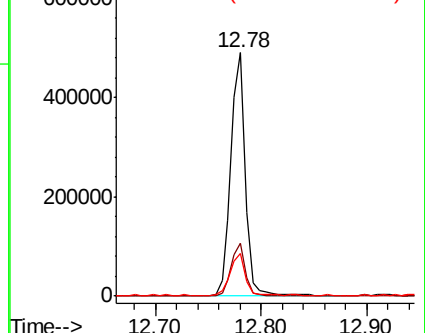
203 17.5 14.0 21.0

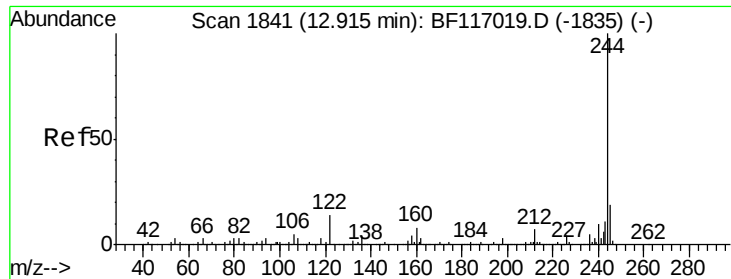


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 97.665 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

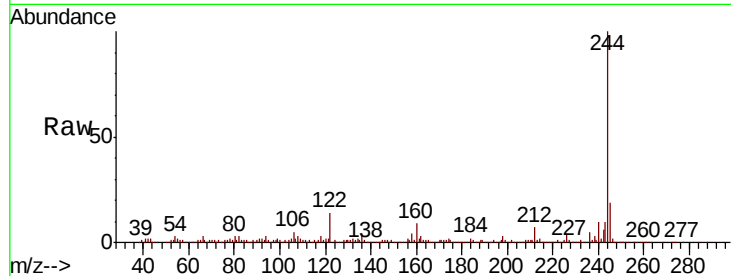
Tot Ion:244 Resp: 565039

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

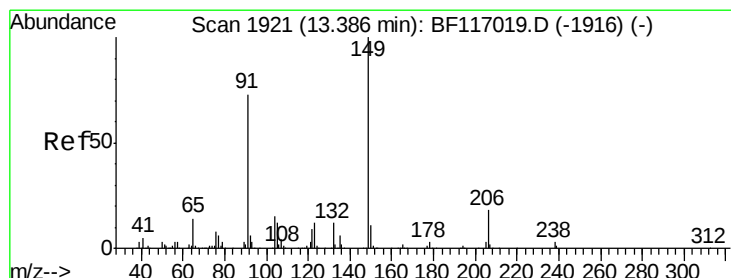
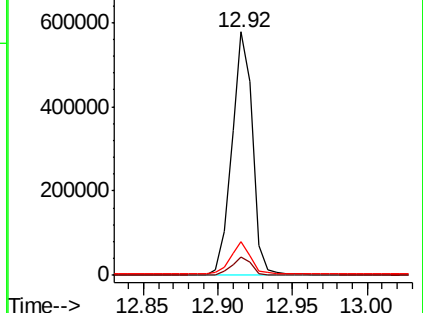
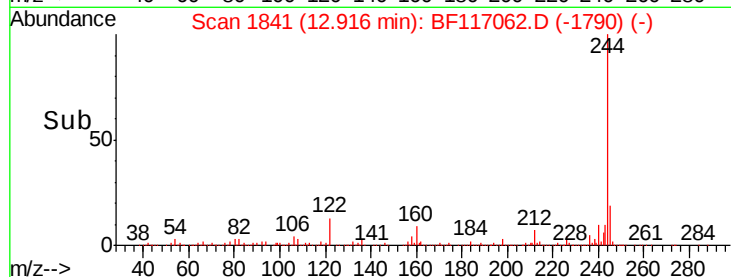
122 13.9 11.3 16.9



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 48.675 ng

RT: 13.39 min Scan# 1922

Delta R.T. 0.01 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

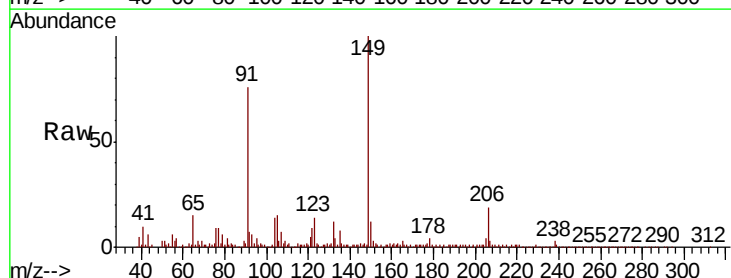
Tgt Ion:149 Resp: 208702

Ion Ratio Lower Upper

149 100

91 75.8 58.8 88.2

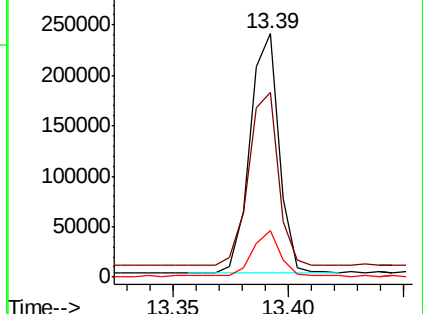
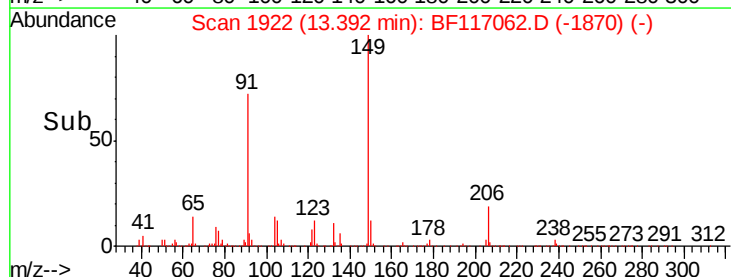
206 18.9 14.1 21.1

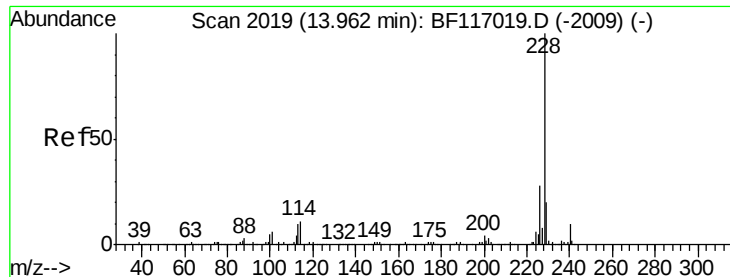


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 46.420 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

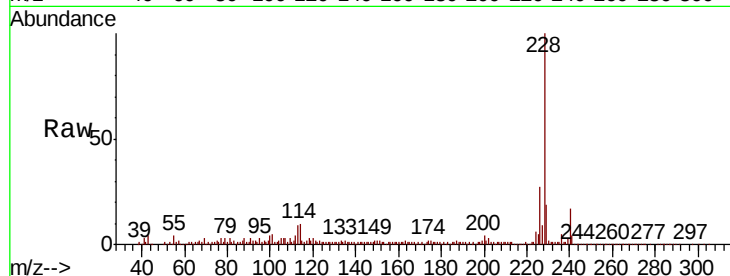
Tot Ion:228 Resp: 335396

Ion Ratio Lower Upper

228 100

226 26.8 22.3 33.5

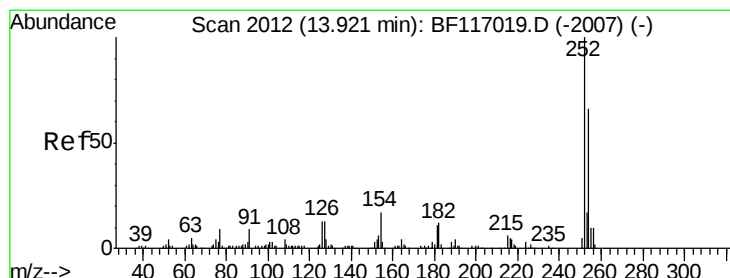
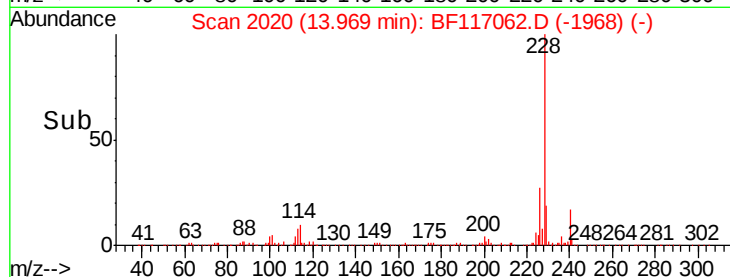
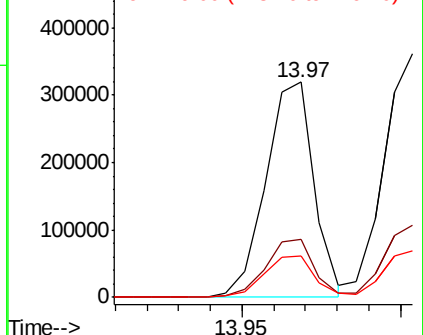
229 19.3 15.9 23.9



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: 0.312 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

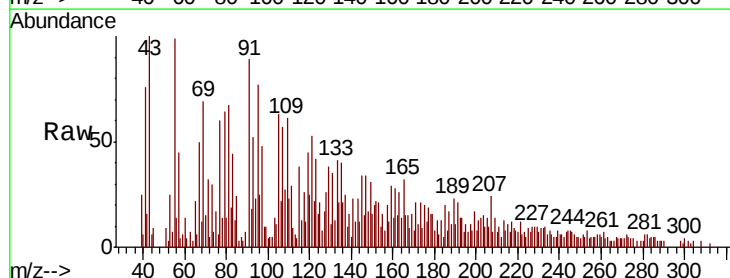
Tgt Ion:252 Resp: 726

Ion Ratio Lower Upper

252 100

254 94.4 52.6 79.0#

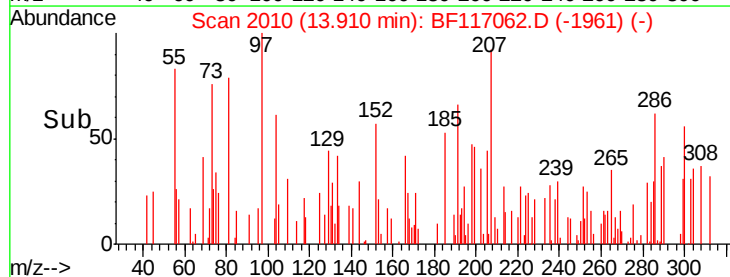
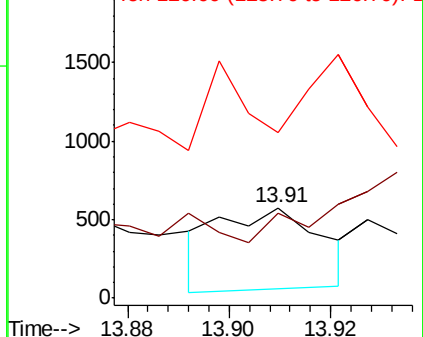
126 183.0 10.4 15.6#

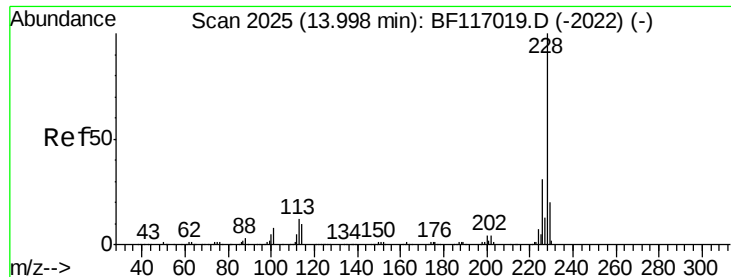


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 48.281 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

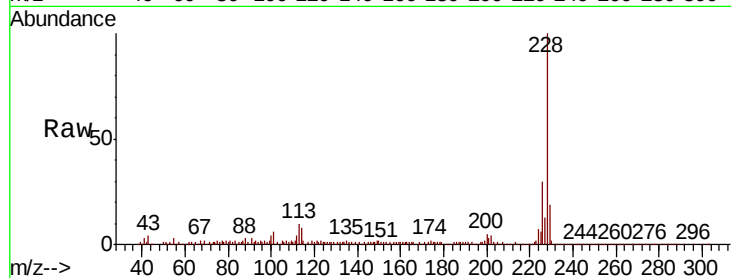
Tot Ion:228 Resp: 340228

Ion Ratio Lower Upper

228 100

226 29.8 24.8 37.2

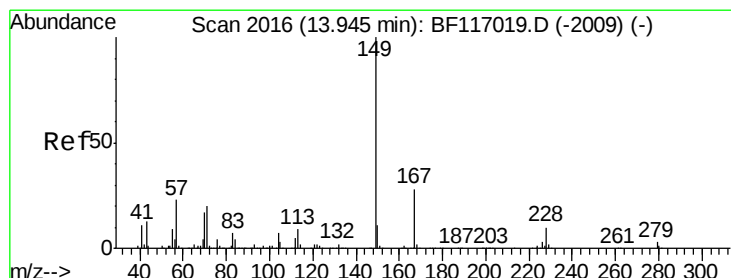
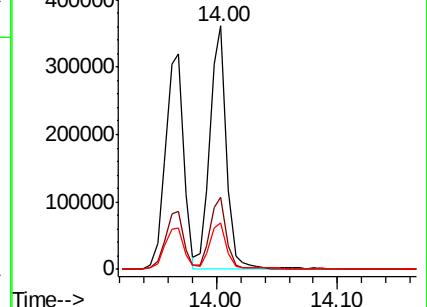
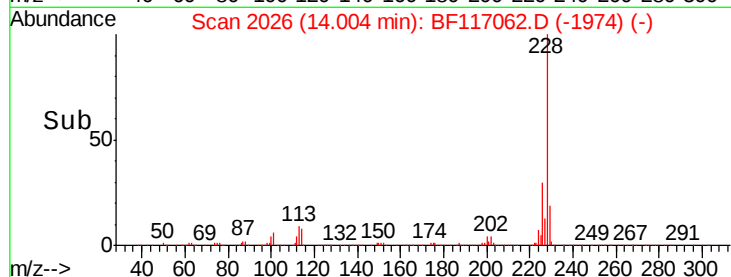
229 19.2 15.8 23.8



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: 52.844 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

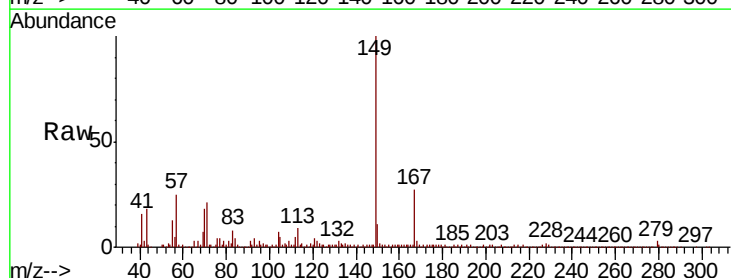
Tgt Ion:149 Resp: 292138

Ion Ratio Lower Upper

149 100

167 27.3 22.2 33.2

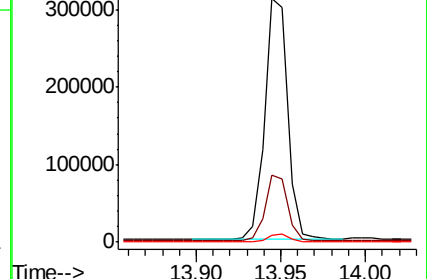
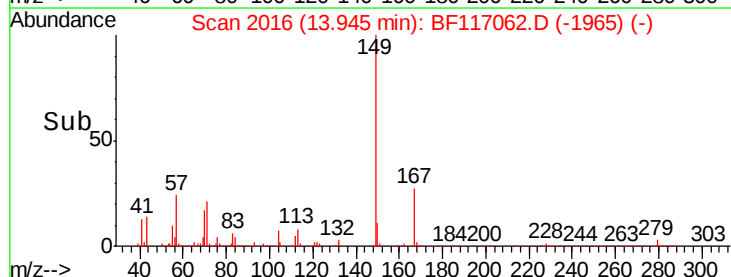
279 2.9 2.8 4.2



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

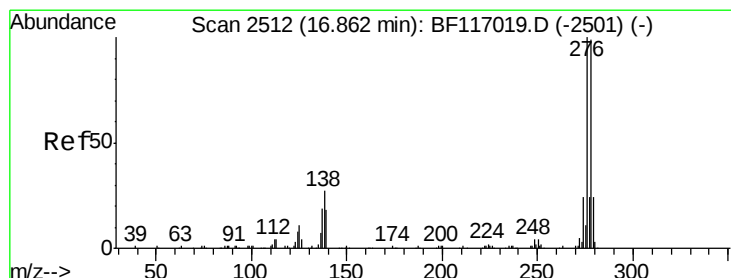
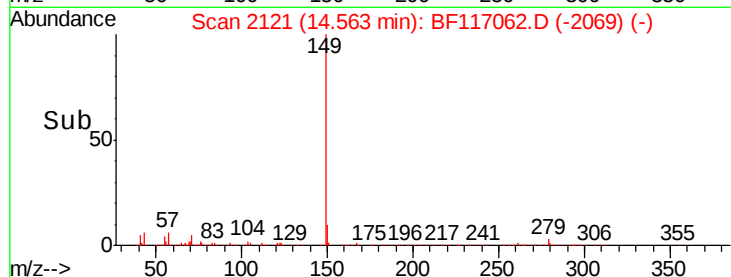
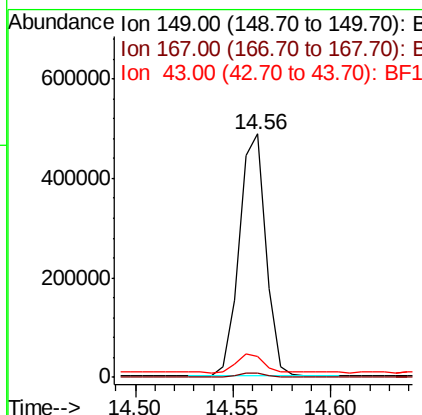
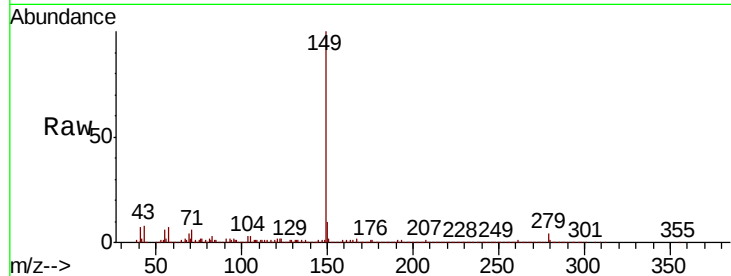




#85
Di-n-octyl phthalate
Concen: 52.796 ng
RT: 14.56 min Scan# 2121
Delta R.T. 0.01 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

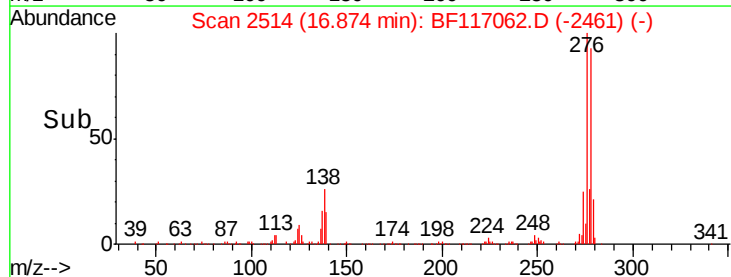
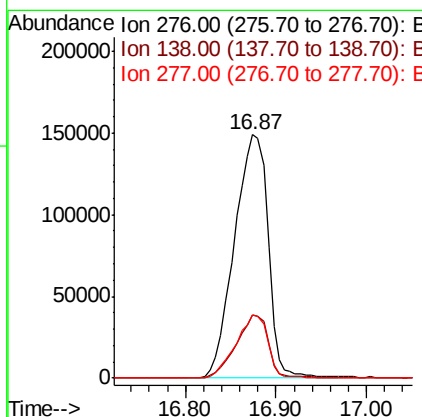
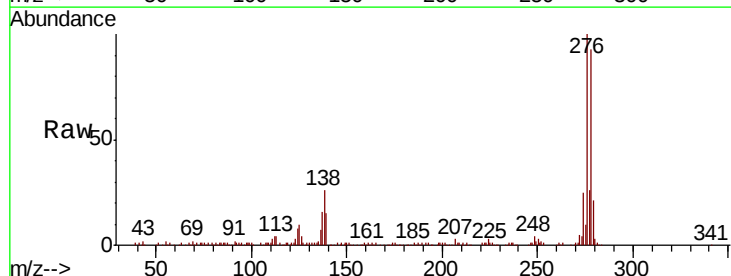
Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

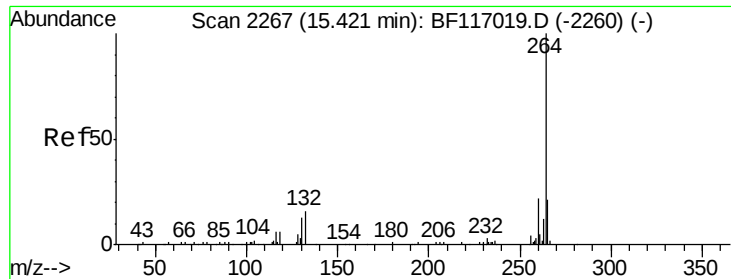
Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.9	6.2	9.4



#86
Indeno(1,2,3-cd)pyrene
Concen: 74.830 ng
RT: 16.87 min Scan# 2514
Delta R.T. 0.01 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.5	20.7	31.1
277	24.6	19.8	29.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.01 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

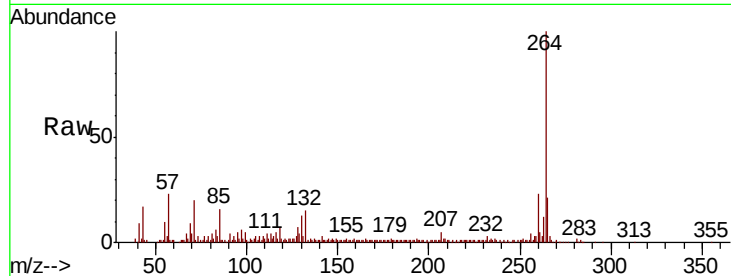
Tot Ion:264 Resp: 127644

Ion Ratio Lower Upper

264 100

260 22.8 17.6 26.4

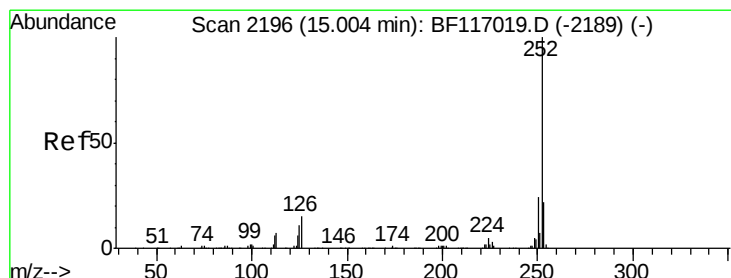
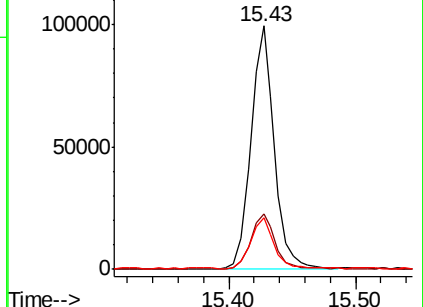
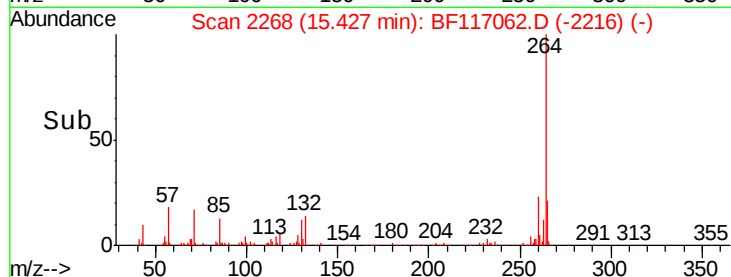
265 21.5 16.6 24.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 40.998 ng

RT: 15.01 min Scan# 2197

Delta R.T. 0.01 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

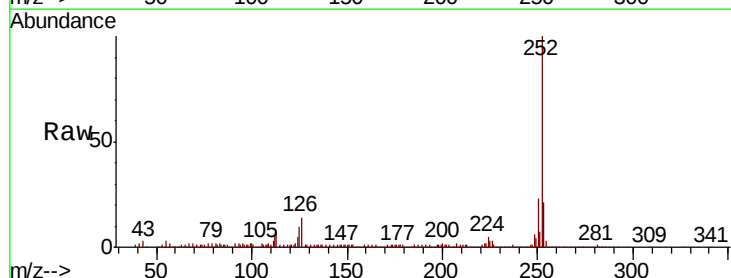
Tgt Ion:252 Resp: 316987

Ion Ratio Lower Upper

252 100

253 21.4 17.6 26.4

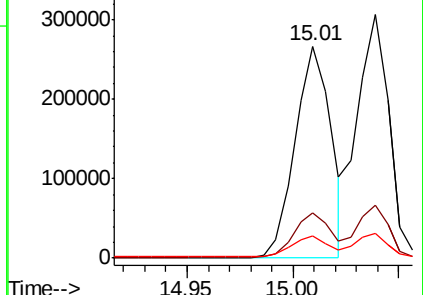
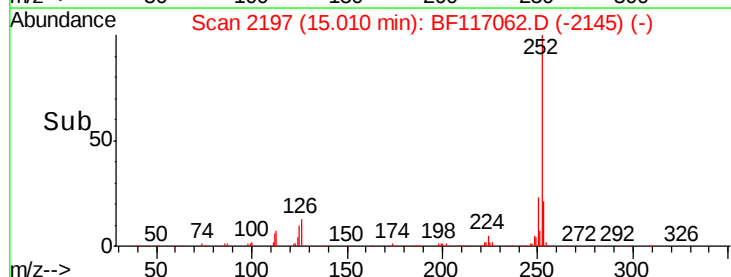
125 10.3 8.6 12.8

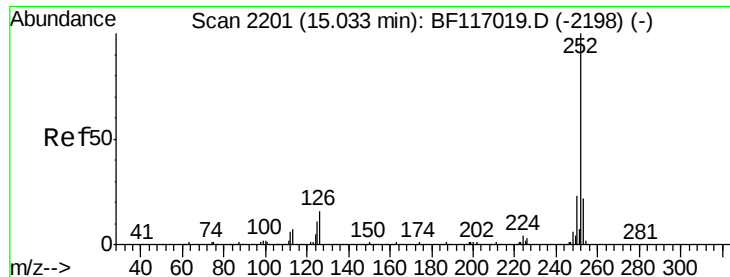


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 44.279 ng

RT: 15.04 min Scan# 2202

Delta R.T. 0.01 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

Instrument :

BNA_F

ClientSampleId :

VE-4-11MSD

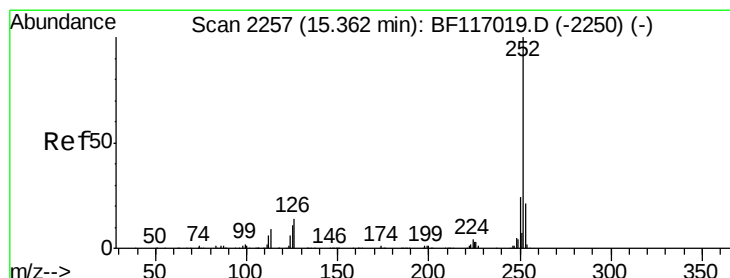
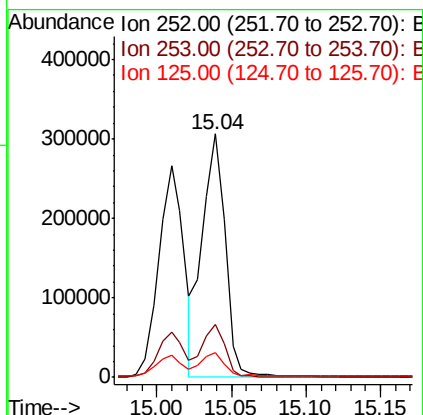
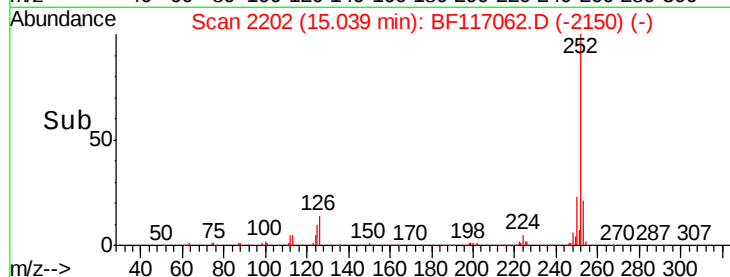
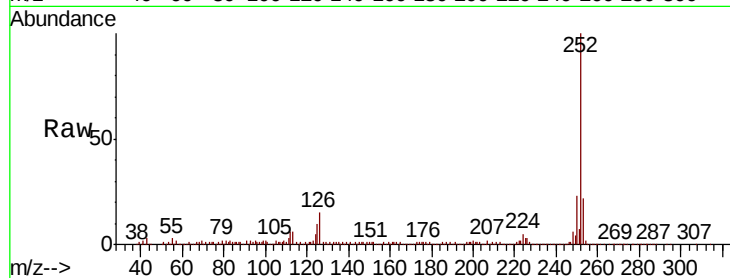
Tot Ion:252 Resp: 324310

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

125 10.4 8.8 13.2



#90

Benzo(a)pyrene

Concen: 46.889 ng

RT: 15.37 min Scan# 2258

Delta R.T. 0.01 min

Lab File: BF117062.D

Acq: 16 Sep 2019 14:51

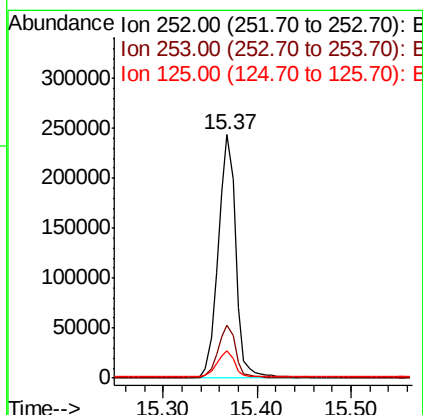
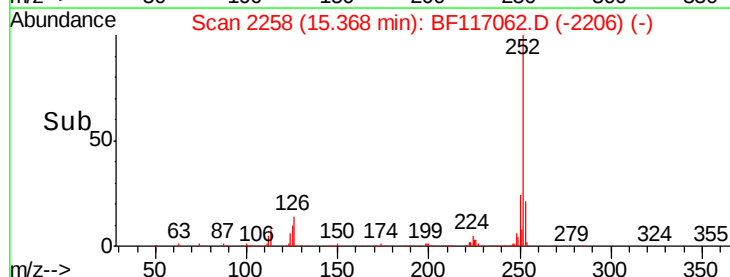
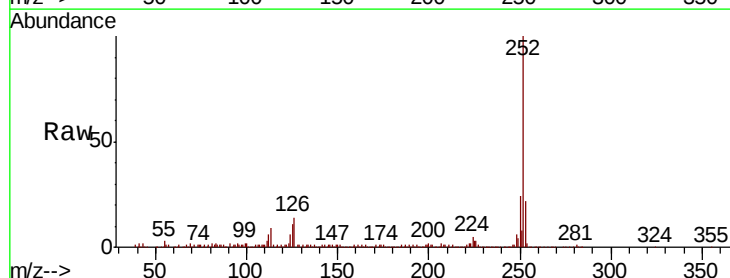
Tgt Ion:252 Resp: 318133

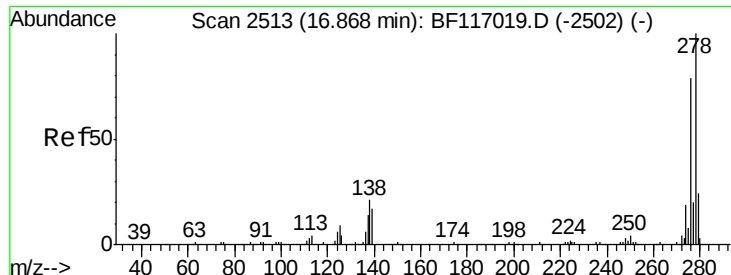
Ion Ratio Lower Upper

252 100

253 21.6 16.6 25.0

125 11.2 8.9 13.3

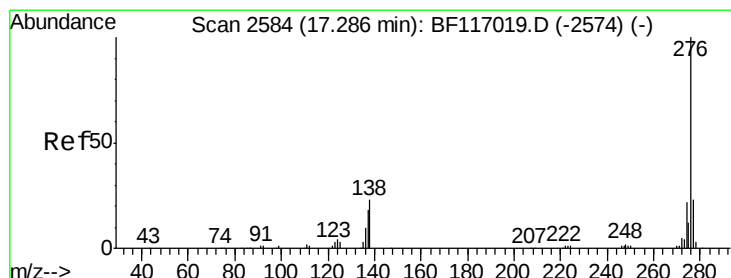
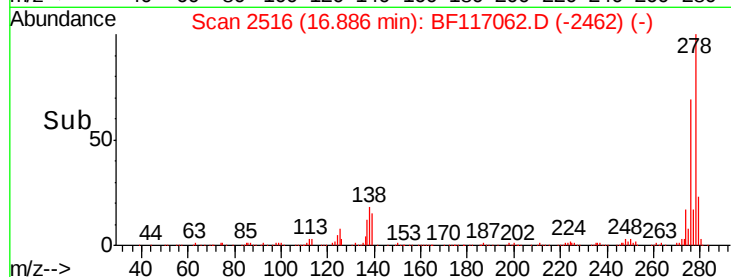
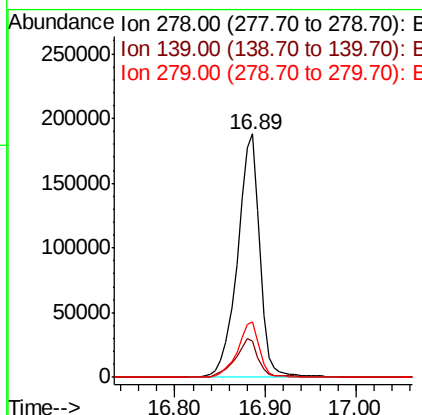
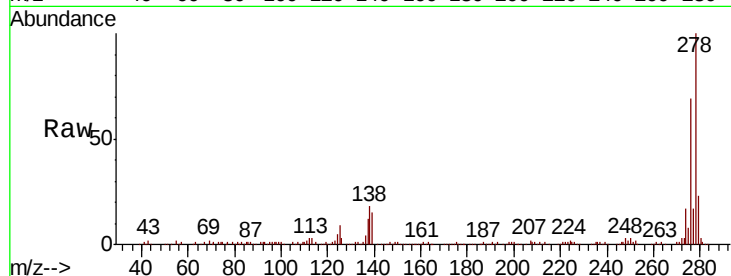




#91
Dibenzo(a,h)anthracene
Concen: 59.698 ng
RT: 16.89 min Scan# 2516
Delta R.T. 0.02 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

Instrument :
BNA_F
ClientSampleId :
VE-4-11MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.1	13.5	20.3
279	22.7	18.8	28.2



#92
Benzo(g,h,i)perylene
Concen: 59.897 ng
RT: 17.31 min Scan# 2588
Delta R.T. 0.02 min
Lab File: BF117062.D
Acq: 16 Sep 2019 14:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.6	27.8
138	19.2	18.0	27.0

