

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030520\
 Data File : BF119211.D
 Acq On : 5 Mar 2020 13:26
 Operator : CG/JU
 Sample : PB127235BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 06 06:23:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	108946	20.00	ng	-0.02
21) Naphthalene-d8	8.01	136	422533	20.00	ng	-0.02
39) Acenaphthene-d10	9.76	164	242253	20.00	ng	-0.02
64) Phenanthrene-d10	11.25	188	452927	20.00	ng	-0.01
76) Chrysene-d12	13.89	240	295944	20.00	ng	-0.01
87) Perylene-d12	15.31	264	249744	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	828466	127.08	ng	0.00
7) Phenol-d6	6.39	99	993485	125.31	ng	-0.01
23) Nitrobenzene-d5	7.29	82	606802	75.83	ng	-0.03
42) 2,4,6-Tribromophenol	10.56	330	381139	120.27	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1265042	76.93	ng	-0.02
79) Terphenyl-d14	12.83	244	1504501	87.53	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.47	88	118776	40.922	ng	99
3) Pyridine	3.20	79	292222	36.865	ng	99
4) n-Nitrosodimethylamine	3.14	42	110246	45.911	ng	95
6) Aniline	6.39	93	308834	31.568	ng	# 75
8) 2-Chlorophenol	6.52	128	342383	48.666	ng	99
9) Benzaldehyde	6.27	77	146330	27.624	ng	98
10) Phenol	6.40	94	403159	47.032	ng	81
11) bis(2-Chloroethyl)ether	6.46	93	305720	46.612	ng	96
12) 1,3-Dichlorobenzene	6.67	146	370992	43.996	ng	99
13) 1,4-Dichlorobenzene	6.75	146	380968	45.149	ng	98
14) 1,2-Dichlorobenzene	6.90	146	350469	45.542	ng	98
15) Benzyl Alcohol	6.88	79	285192	49.770	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.00	45	243462	42.851	ng	# 19
17) 2-Methylphenol	7.00	107	277942	48.728	ng	94
18) Hexachloroethane	7.23	117	134306	44.489	ng	99
19) n-Nitroso-di-n-propylamine	7.15	70	235658	51.009	ng	96
20) 3+4-Methylphenols	7.16	107	362971	51.941	ng	# 85
22) Acetophenone	7.14	105	460609	47.115	ng	# 94
24) Nitrobenzene	7.31	77	354352	44.777	ng	96
25) Isophorone	7.55	82	641473	46.156	ng	98
26) 2-Nitrophenol	7.63	139	191708	45.720	ng	97
27) 2,4-Dimethylphenol	7.68	122	302820	53.213	ng	100
28) bis(2-Chloroethoxy)methane	7.76	93	390190	43.133	ng	99
29) 2,4-Dichlorophenol	7.88	162	304327	45.426	ng	99
30) 1,2,4-Trichlorobenzene	7.95	180	330057	41.553	ng	99
31) Naphthalene	8.03	128	994486	45.383	ng	98
32) Benzoic acid	7.84	122	160446	39.943	ng	97
33) 4-Chloroaniline	8.09	127	252411	26.781	ng	98
34) Hexachlorobutadiene	8.15	225	201933	40.814	ng	98
35) Caprolactam	8.46	113	52025	25.220	ng	98
36) 4-Chloro-3-methylphenol	8.59	107	323827	47.762	ng	98
37) 2-Methylnaphthalene	8.72	142	694059	47.065	ng	98
38) 1-Methylnaphthalene	8.82	142	646266	46.598	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.89	216	341708	41.836	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.87	237	170340	59.961	nq	98
43) 2,4,6-Trichlorophenol	9.01	196	214353	41.558	nq	99
44) 2,4,5-Trichlorophenol	9.06	196	222625	41.132	nq	99
46) 1,1'-Biphenyl	9.19	154	836214	42.710	nq	98
47) 2-Chloronaphthalene	9.22	162	667150	42.284	nq	96
48) 2-Nitroaniline	9.32	65	189803	43.130	nq	97
49) Acenaphthylene	9.63	152	1019668	44.746	nq	99
50) Dimethylphthalate	9.49	163	823939	44.478	nq	99
51) 2,6-Dinitrotoluene	9.56	165	182885	44.437	nq #	86
52) Acenaphthene	9.80	154	609465	44.355	nq	100
53) 3-Nitroaniline	9.73	138	123928	27.161	nq	95
54) 2,4-Dinitrophenol	9.85	184	138192	70.106	nq	94
55) Dibenzofuran	9.97	168	912541	44.494	nq	99
56) 4-Nitrophenol	9.92	139	177502	64.750	nq	97
57) 2,4-Dinitrotoluene	9.97	165	230547	43.217	nq	95
58) Fluorene	10.32	166	737987	46.307	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.10	232	194987	42.695	nq	98
60) Diethylphthalate	10.19	149	804062	46.059	nq	99
61) 4-Chlorophenyl-phenylether	10.30	204	389900	46.221	nq	94
62) 4-Nitroaniline	10.35	138	156897	33.610	nq	96
63) Azobenzene	10.46	77	713519	47.022	nq	96
65) 4,6-Dinitro-2-methylphenol	10.39	198	123509	45.064	nq	95
66) n-Nitrosodiphenylamine	10.43	169	669265	45.128	nq	100
67) 4-Bromophenyl-phenylether	10.79	248	253800	42.869	nq	93
68) Hexachlorobenzene	10.87	284	287343	42.096	nq	100
69) Atrazine	10.96	200	233995	45.159	nq	98
70) Pentachlorophenol	11.07	266	181607	66.048	nq	100
71) Phenanthrene	11.27	178	1091994	44.210	nq	98
72) Anthracene	11.33	178	1125234	45.593	nq	98
73) Carbazole	11.49	167	948327	43.132	nq	98
74) Di-n-butylphthalate	11.81	149	1235975	46.420	nq	98
75) Fluoranthene	12.46	202	1139303	43.454	nq	98
77) Benzidine	12.58	184	375597	31.207	nq	98
78) Pyrene	12.69	202	1119117	47.093	nq	98
80) Butylbenzylphthalate	13.30	149	481829	48.175	nq	95
81) Benzo(a)anthracene	13.88	228	916577	45.455	nq	98
82) 3,3'-Dichlorobenzidine	13.83	252	240423	30.705	nq #	98
83) Chrysene	13.92	228	865936	43.098	nq	99
84) Bis(2-ethylhexyl)phthalate	13.86	149	675754	53.480	nq	100
85) Di-n-octyl phthalate	14.47	149	1022954	50.812	nq	99
86) Indeno(1,2,3-cd)pyrene	16.72	276	776161	39.895	nq	100
88) Benzo(b)fluoranthene	14.91	252	771857	46.888	nq	99
89) Benzo(k)fluoranthene	14.93	252	720447	47.226	nq	99
90) Benzo(a)pyrene	15.26	252	657505	44.255	nq	98
91) Dibenzo(a,h)anthracene	16.72	278	653610	49.999	nq	99
92) Benzo(g,h,i)perylene	17.14	276	658294	50.966	nq	100

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

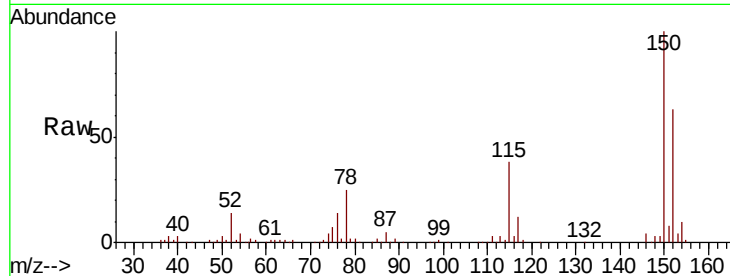


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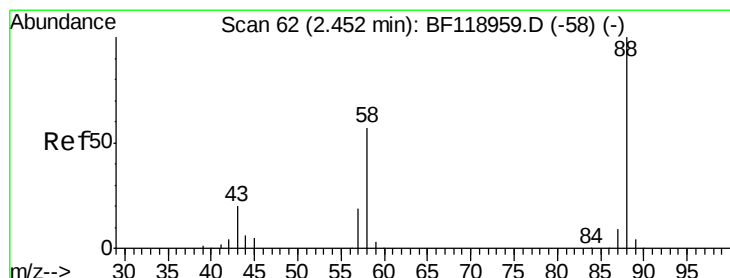
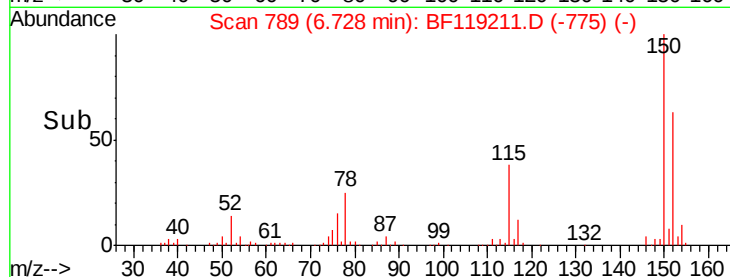
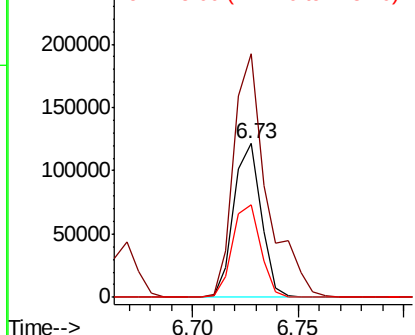
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.02 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 108946
Ion Ratio Lower Upper
152 100
150 158.3 123.0 184.6
115 60.5 49.5 74.3



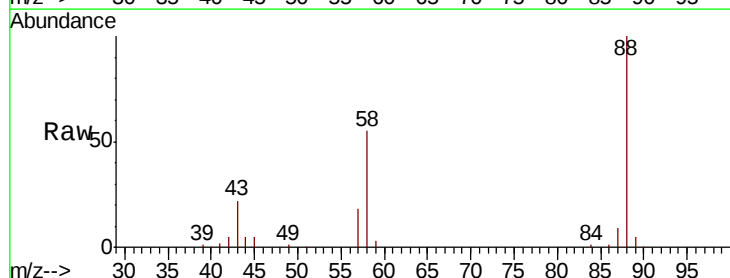
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



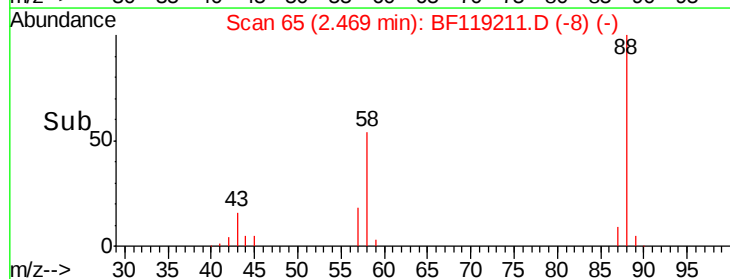
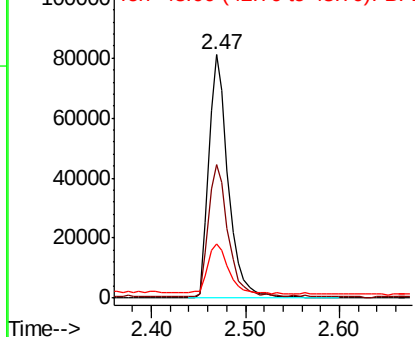
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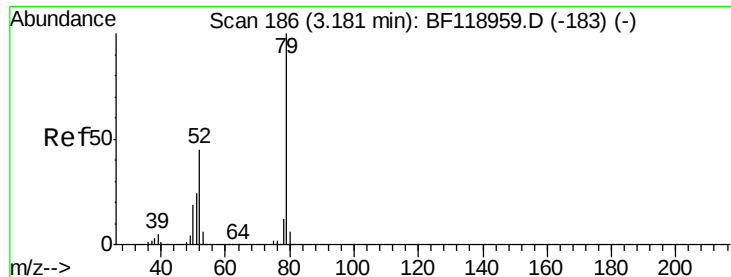
1,4-Dioxane
Concen: 40.922 ng
RT: 2.47 min Scan# 65
Delta R.T. 0.04 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Tgt Ion: 88 Resp: 118776
Ion Ratio Lower Upper
88 100
58 54.2 43.8 65.6
43 21.9 16.2 24.4



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: 36.865 ng

RT: 3.20 min Scan# 190

Delta R.T. 0.05 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

Instrument :

BNA_F

ClientSampled :

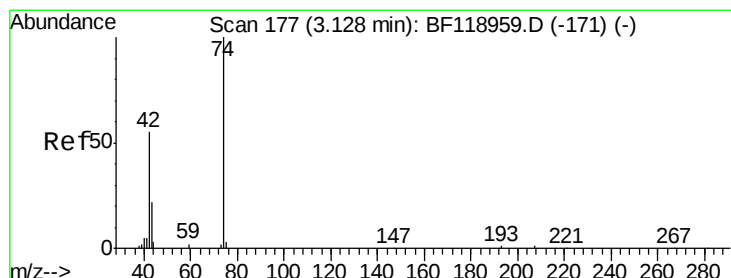
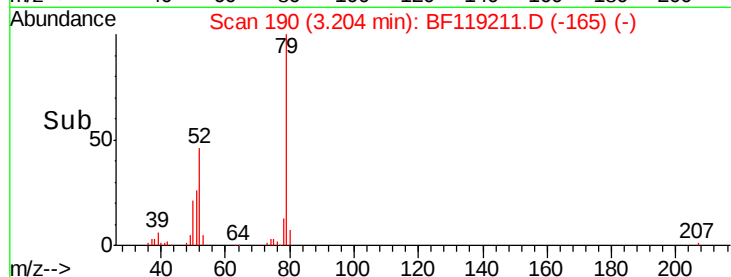
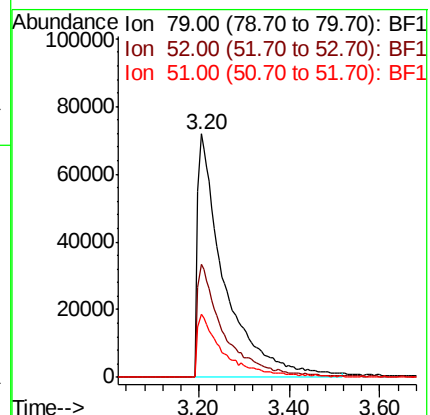
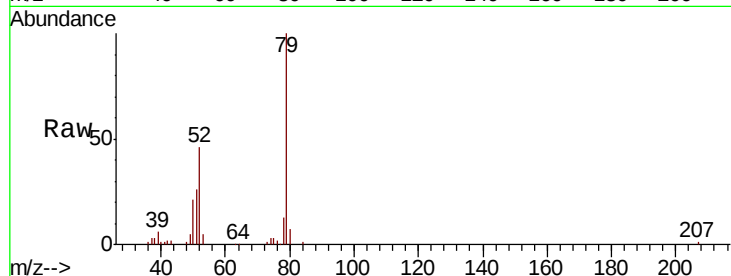
Tot Ion: 79 Resp: 292222

Ion Ratio Lower Upper

79 100

52 46.3 37.4 56.0

51 25.8 19.8 29.6



#4

n-Nitrosodimethylamine

Concen: 45.911 ng

RT: 3.14 min Scan# 179

Delta R.T. 0.02 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

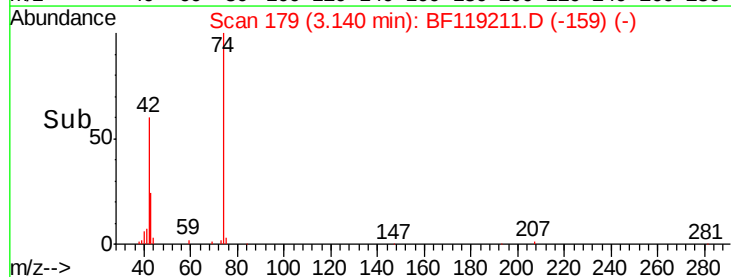
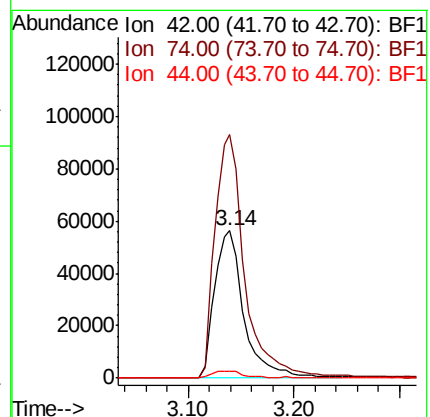
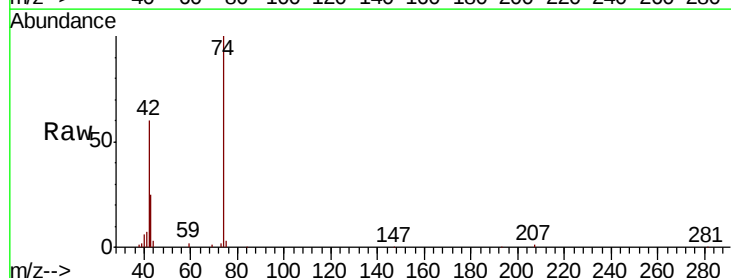
Tgt Ion: 42 Resp: 110246

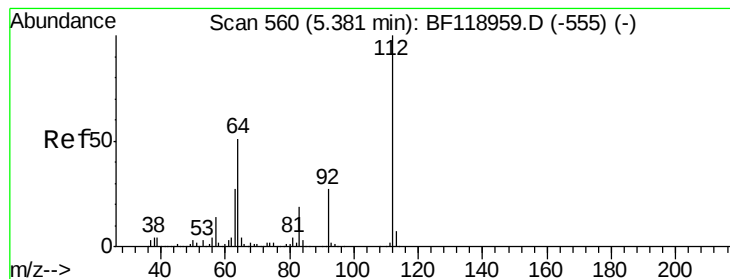
Ion Ratio Lower Upper

42 100

74 165.6 137.7 206.5

44 5.1 4.5 6.7

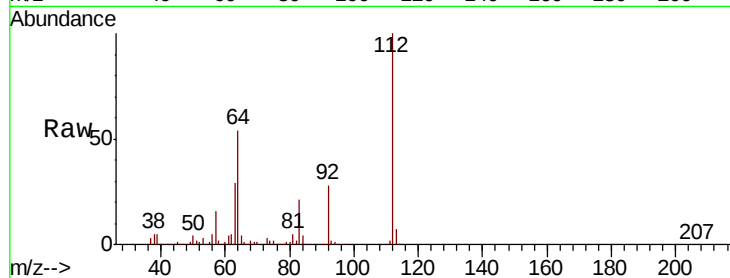




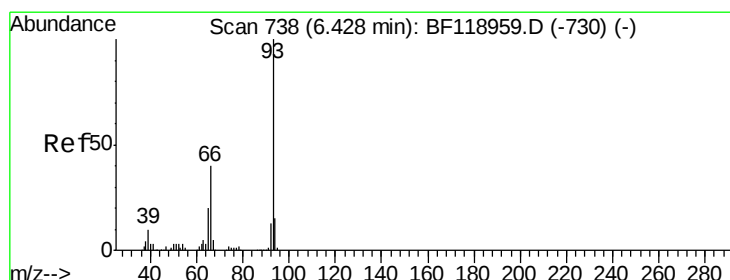
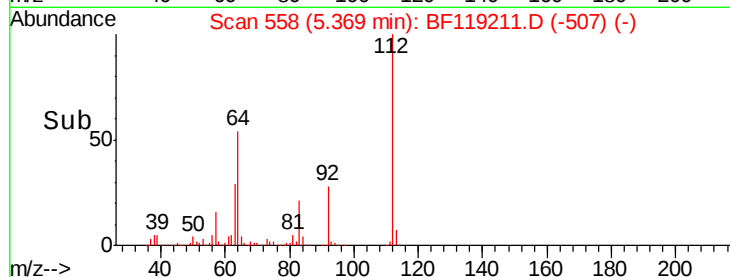
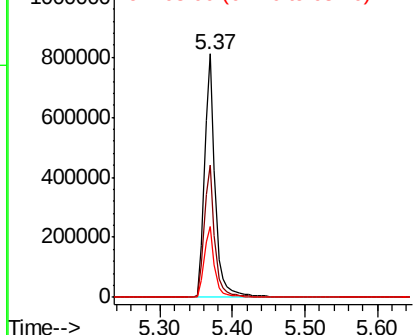
#5
 2-Fluorophenol
 Concen: 127.083 ng
 RT: 5.37 min Scan# 558
 Delta R.T. -0.00 min
 Lab File: BF119211.D
 Acq: 5 Mar 2020 13:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:112 Resp: 828466
 Ion Ratio Lower Upper
 112 100
 64 54.2 45.0 67.4
 63 29.3 24.2 36.4

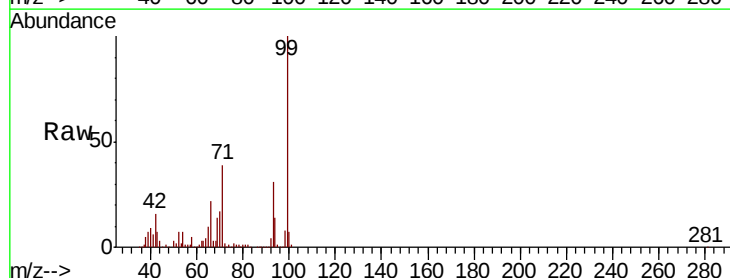


Abundance Ion 112.00 (111.70 to 112.70): BF1
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1

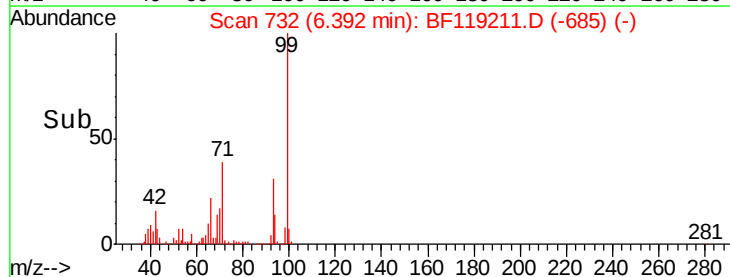
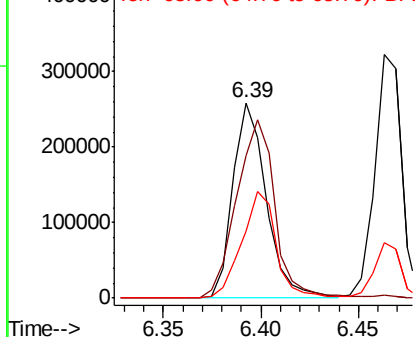


#6
 Aniline
 Concen: 31.568 ng
 RT: 6.39 min Scan# 732
 Delta R.T. -0.02 min
 Lab File: BF119211.D
 Acq: 5 Mar 2020 13:26

Tgt Ion: 93 Resp: 308834
 Ion Ratio Lower Upper
 93 100
 66 72.7 74.5 111.7#
 65 34.0 45.3 67.9#



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: 125.306 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

Instrument :

BNA_F

ClientSampleId :

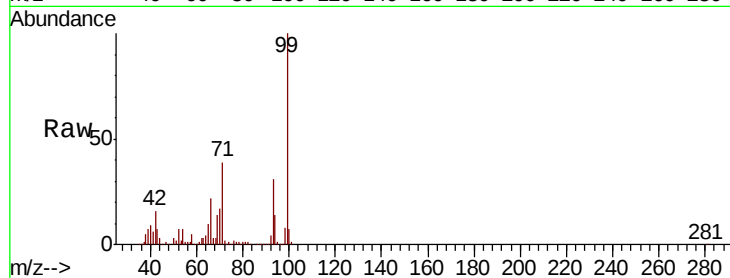
Tot Ion: 99 Resp: 993485

Ion Ratio Lower Upper

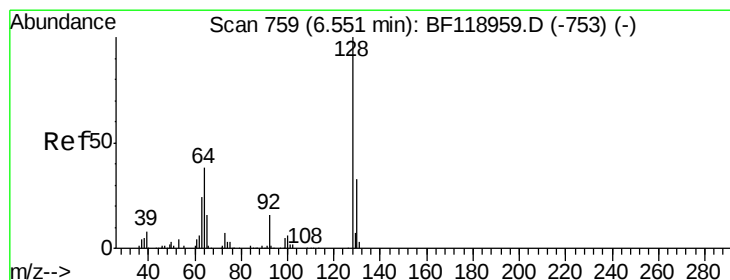
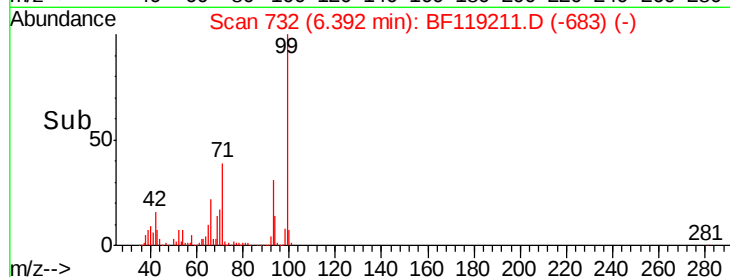
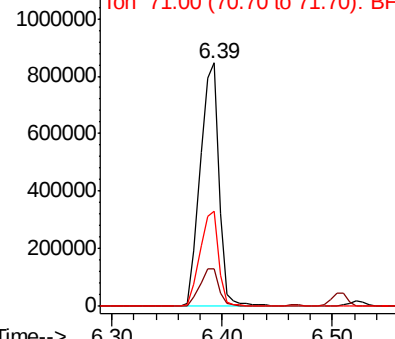
99 100

42 15.6 12.6 18.8

71 38.9 31.0 46.4



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: 48.666 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.02 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

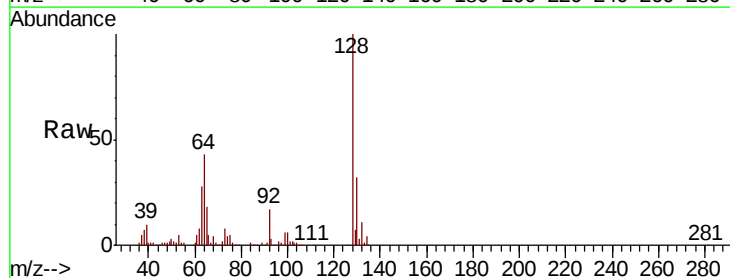
Tgt Ion: 128 Resp: 342383

Ion Ratio Lower Upper

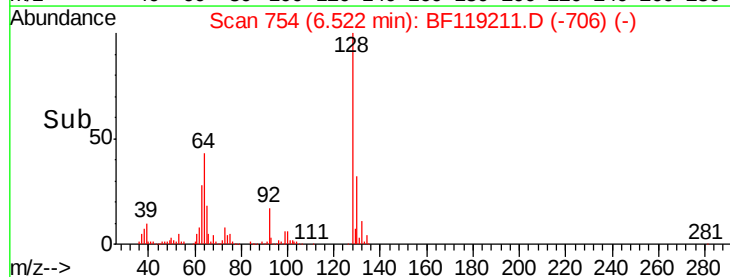
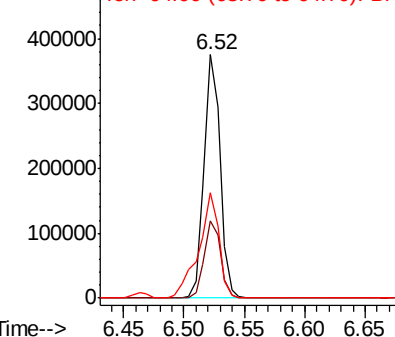
128 100

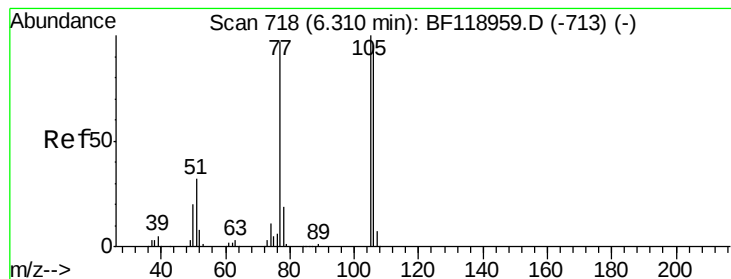
130 31.9 12.7 52.7

64 43.0 22.3 62.3



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: 27.624 ng

RT: 6.27 min Scan# 712

Delta R.T. -0.02 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

Instrument :

BNA_F

ClientSampleId :

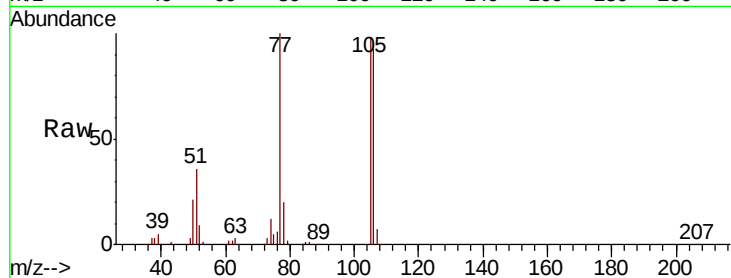
Tot Ion: 77 Resp: 146330

Ion Ratio Lower Upper

77 100

105 98.3 80.1 120.1

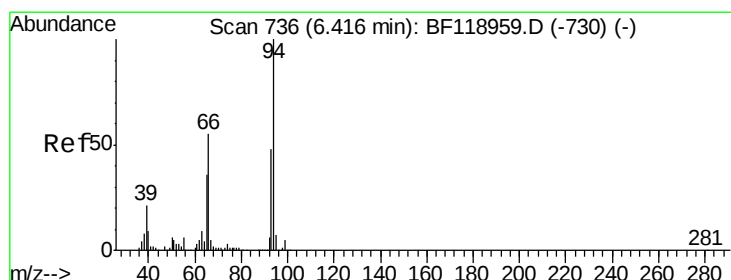
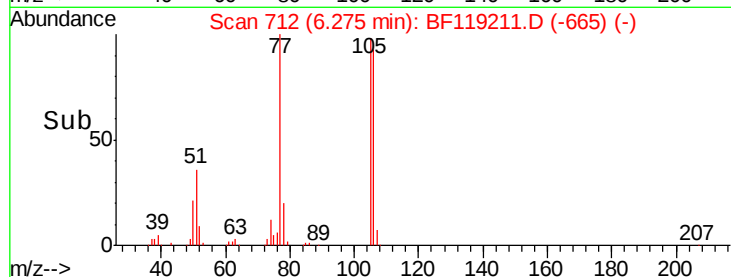
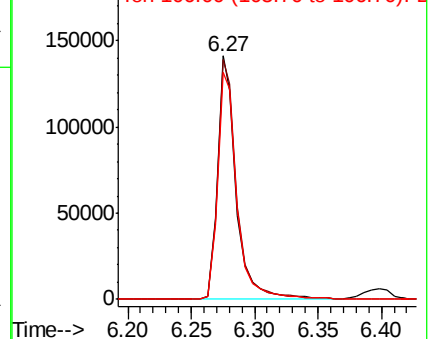
106 93.3 75.9 115.9



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: 47.032 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

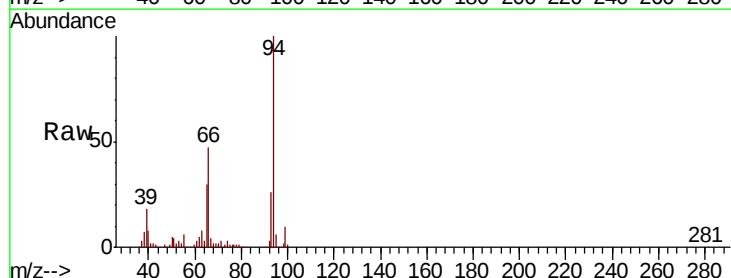
Tgt Ion: 94 Resp: 403159

Ion Ratio Lower Upper

94 100

65 30.4 19.2 59.2

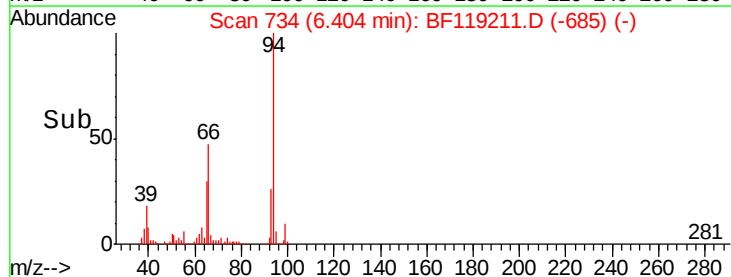
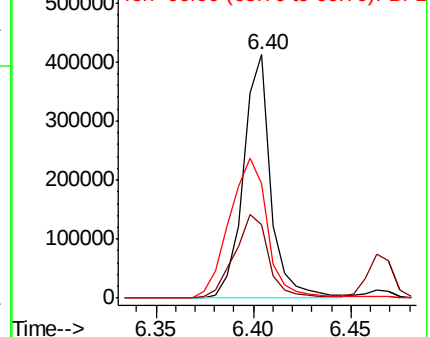
66 46.7 44.4 84.4

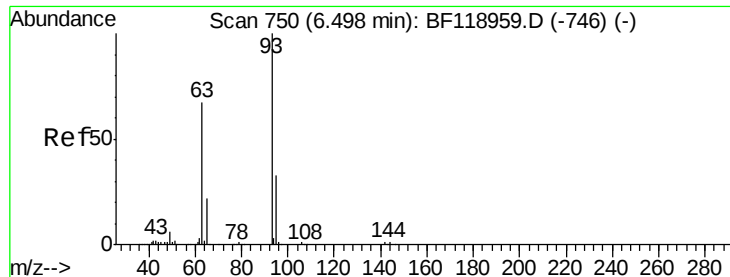


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

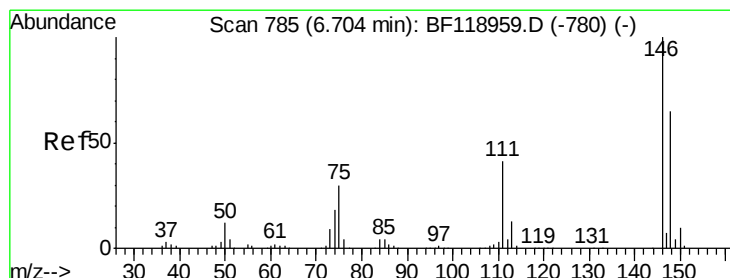
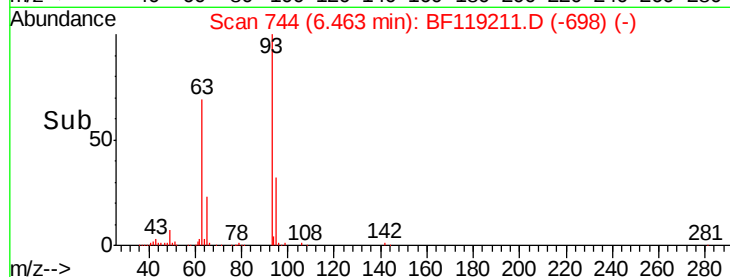
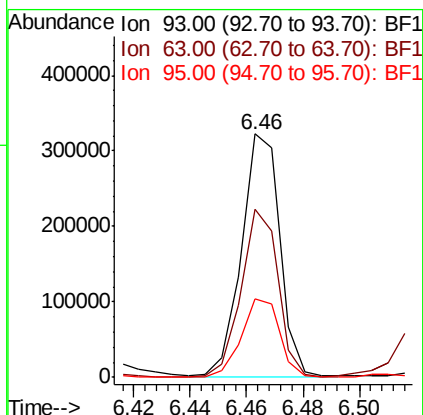
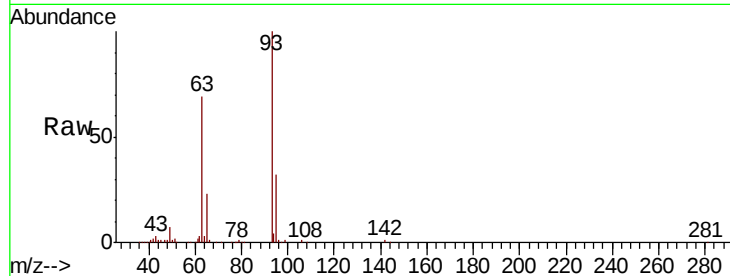




#11
 bis(2-Chloroethyl)ether
 Concen: 46.612 ng
 RT: 6.46 min Scan# 744
 Delta R.T. -0.03 min
 Lab File: BF119211.D
 Acq: 5 Mar 2020 13:26

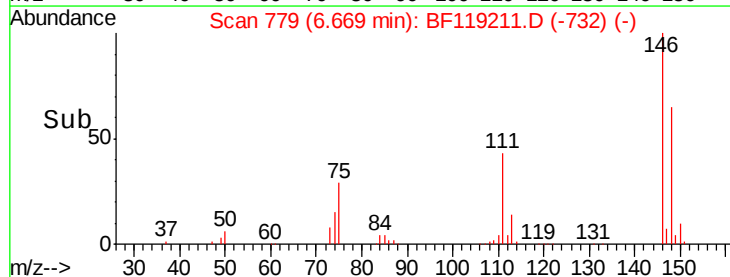
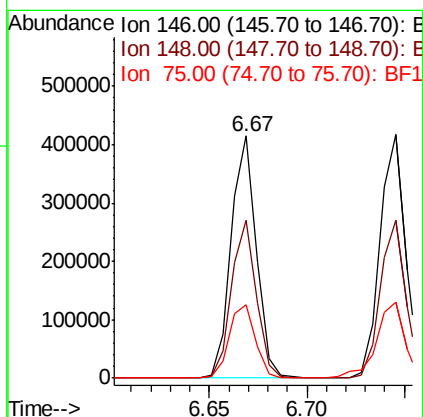
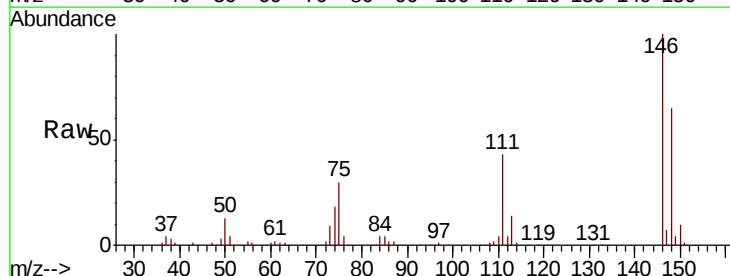
Instrument :
 BNA_F
 ClientSampleId :

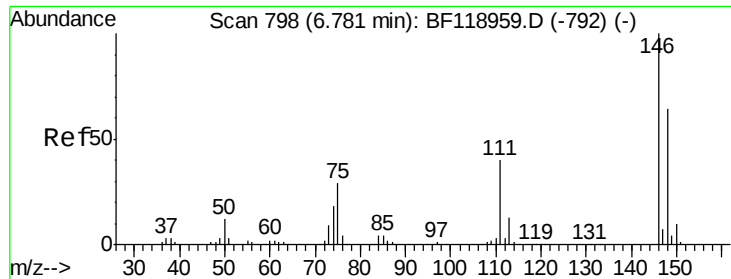
Tot Ion: 93 Resp: 305720
 Ion Ratio Lower Upper
 93 100
 63 68.9 45.4 85.4
 95 32.2 13.5 53.5



#12
 1,3-Dichlorobenzene
 Concen: 43.996 ng
 RT: 6.67 min Scan# 779
 Delta R.T. -0.02 min
 Lab File: BF119211.D
 Acq: 5 Mar 2020 13:26

Tgt Ion: 146 Resp: 370992
 Ion Ratio Lower Upper
 146 100
 148 65.0 52.5 78.7
 75 30.4 23.6 35.4

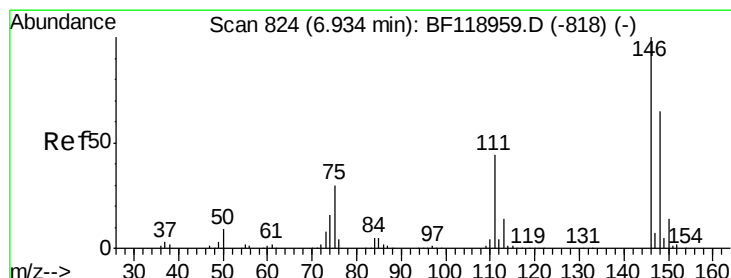
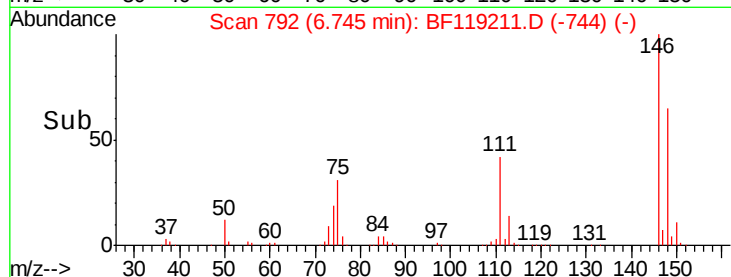
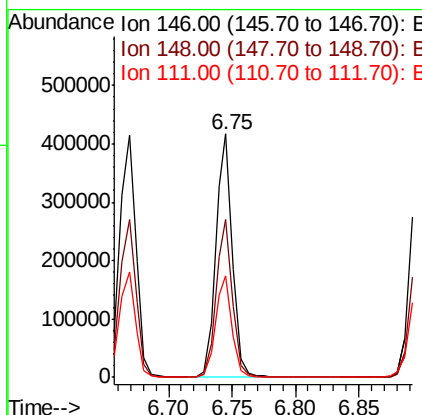
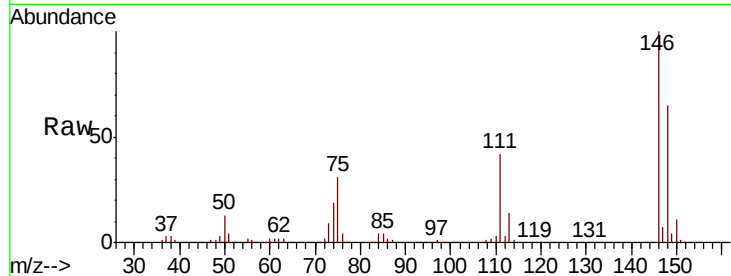




#13
 1,4-Dichlorobenzene
 Concen: 45.149 ng
 RT: 6.75 min Scan# 792
 Delta R.T. -0.02 min
 Lab File: BF119211.D
 Acq: 5 Mar 2020 13:26

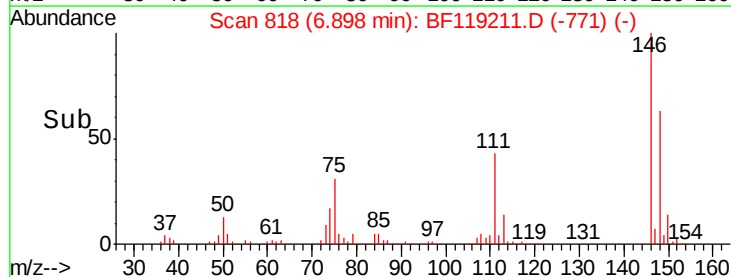
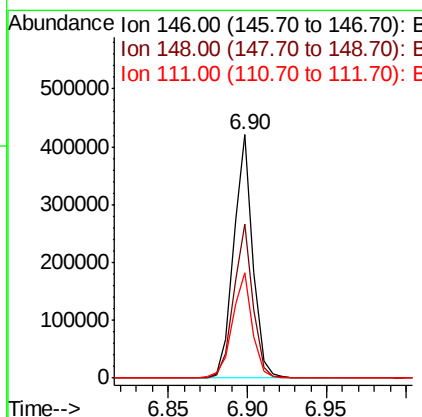
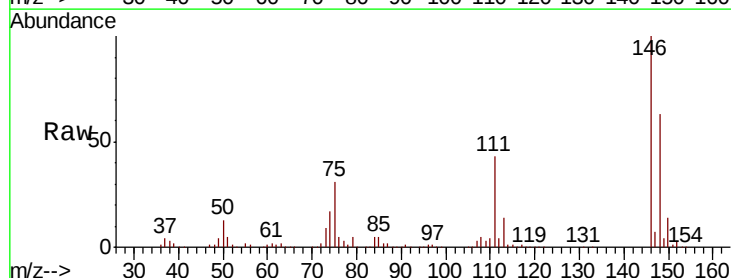
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:146 Resp: 380968
 Ion Ratio Lower Upper
 146 100
 148 65.0 51.1 76.7
 111 41.6 34.8 52.2



#14
 1,2-Dichlorobenzene
 Concen: 45.542 ng
 RT: 6.90 min Scan# 818
 Delta R.T. -0.02 min
 Lab File: BF119211.D
 Acq: 5 Mar 2020 13:26

Tgt Ion:146 Resp: 350469
 Ion Ratio Lower Upper
 146 100
 148 63.4 51.9 77.9
 111 43.1 36.2 54.2

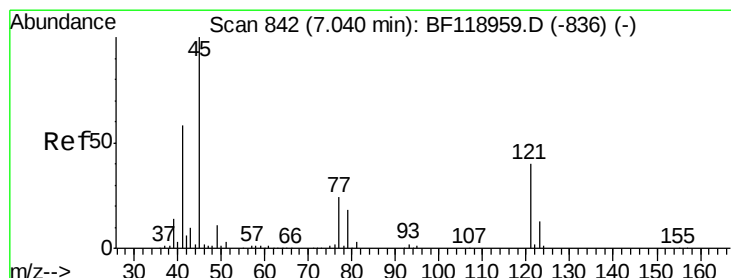
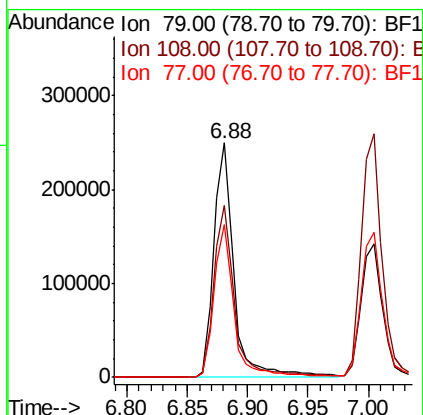
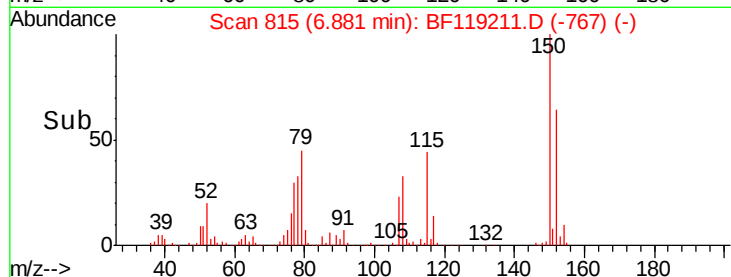
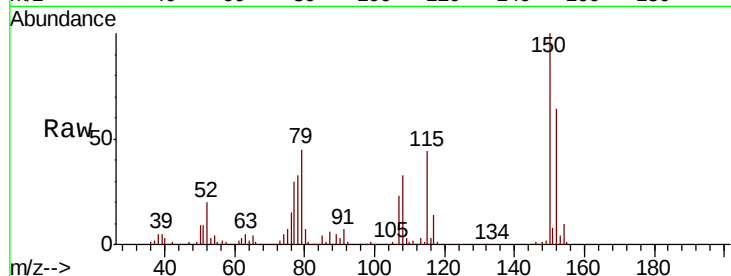




#15
Benzyl Alcohol
Concen: 49.770 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.02 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

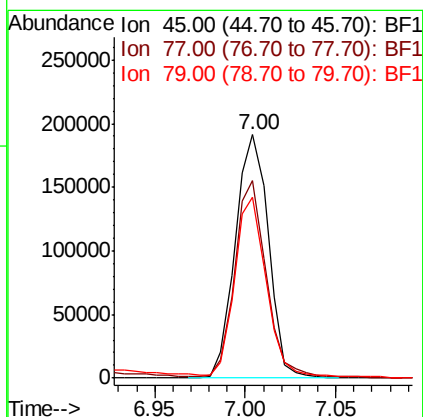
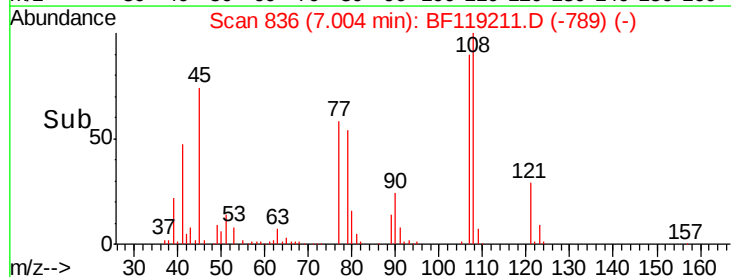
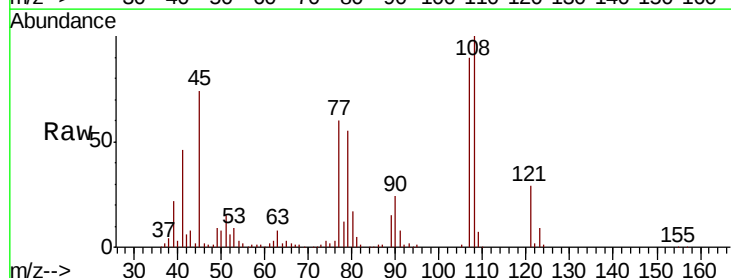
Instrument :
BNA_F
ClientSampleId :

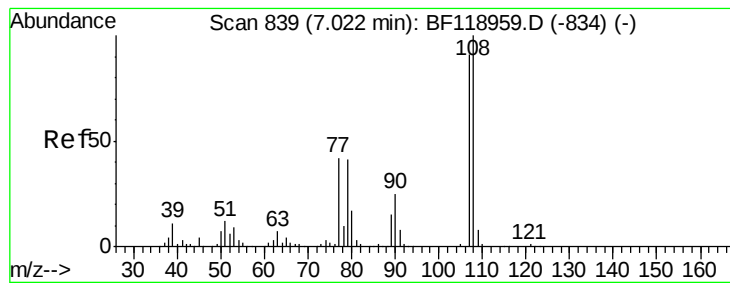
Tot Ion: 79 Resp: 285192
Ion Ratio Lower Upper
79 100
108 73.2 58.2 87.2
77 65.4 51.2 76.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.851 ng
RT: 7.00 min Scan# 836
Delta R.T. -0.02 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Tgt Ion: 45 Resp: 243462
Ion Ratio Lower Upper
45 100
77 81.0 15.0 55.0#
79 74.2 9.4 49.4#





#17

2-Methylphenol

Concen: 48.728 ng

RT: 7.00 min Scan# 836

Delta R.T. -0.01 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

Instrument :

BNA_F

ClientSampled :

Tot Ion:107 Resp: 277942

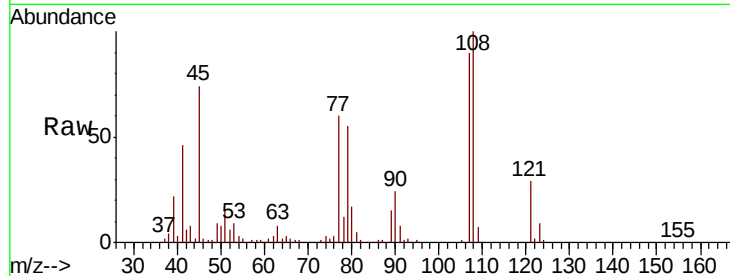
Ion Ratio Lower Upper

107 100

108 110.9 87.9 131.9

77 66.3 45.3 67.9

79 60.7 43.0 64.4

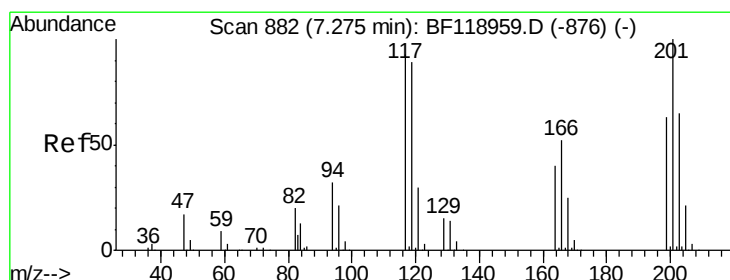
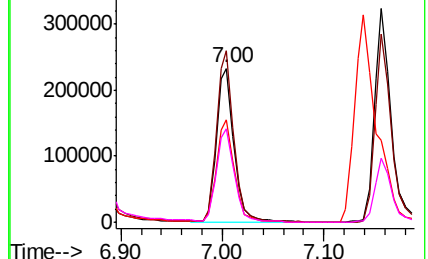
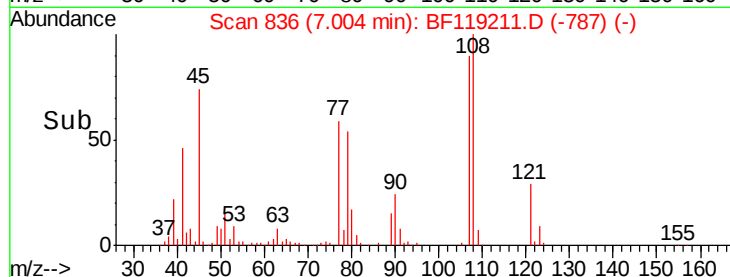


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 44.489 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.02 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

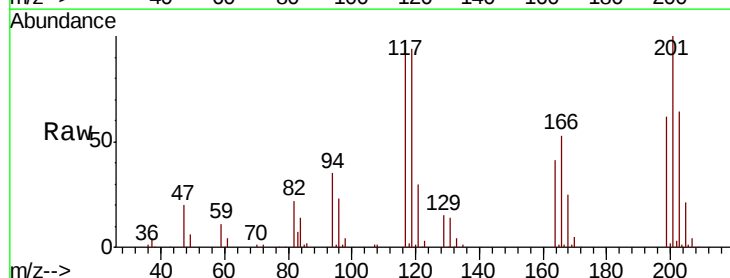
Tgt Ion:117 Resp: 134306

Ion Ratio Lower Upper

117 100

119 96.1 77.5 116.3

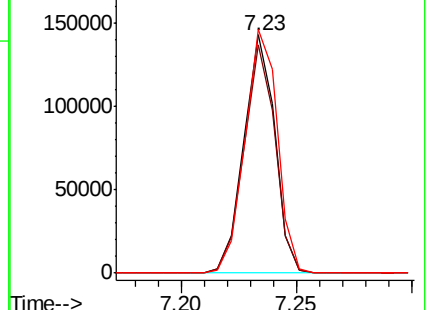
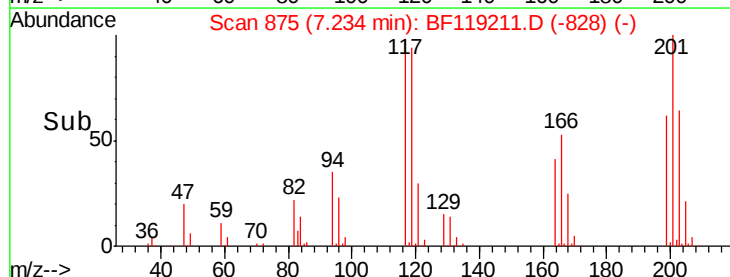
201 102.3 82.6 123.8



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

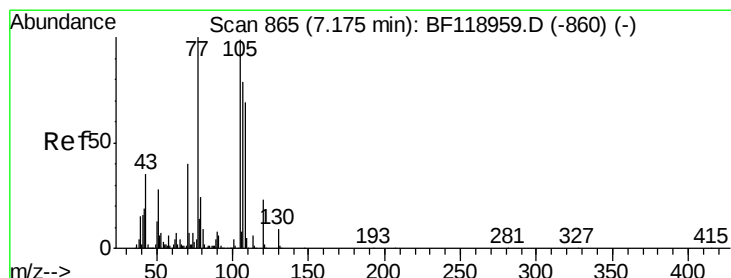
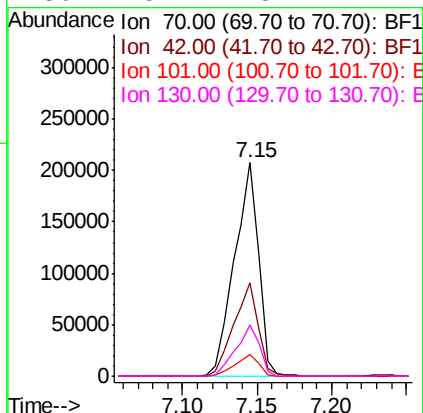
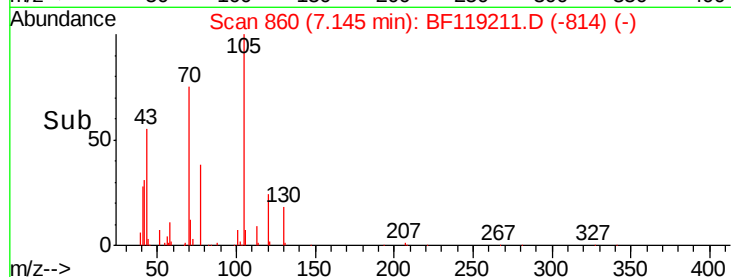
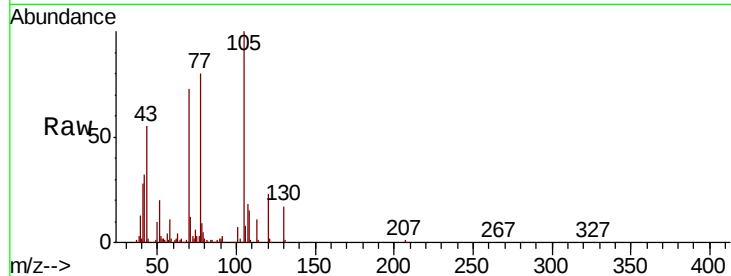




#19
n-Nitroso-di-n-propylamine
Concen: 51.009 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.03 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

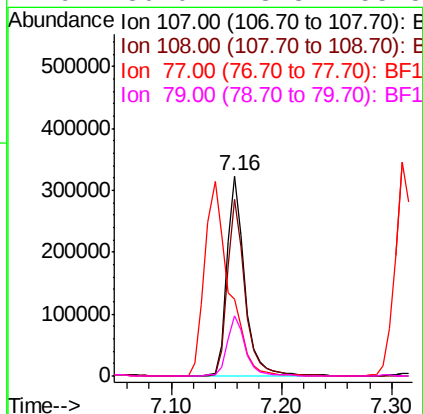
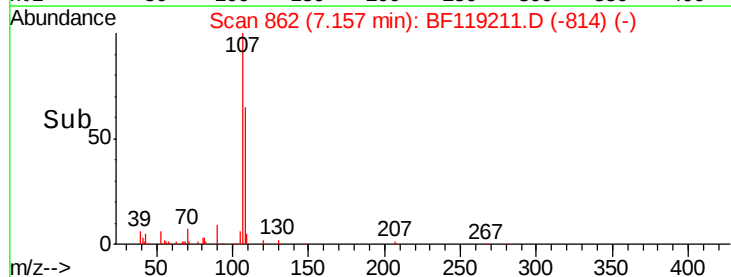
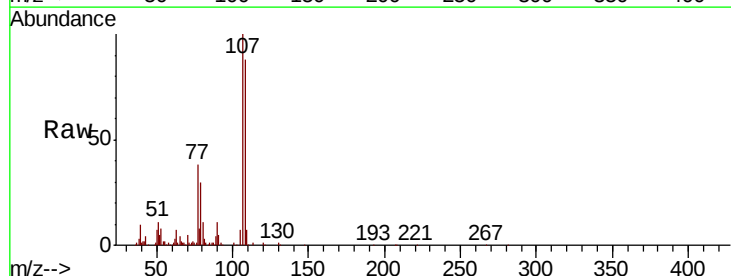
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 235658
Ion Ratio Lower Upper
70 100
42 43.6 38.0 57.0
101 10.2 8.2 12.4
130 23.7 18.2 27.4



#20
3+4-Methylphenols
Concen: 51.941 ng
RT: 7.16 min Scan# 862
Delta R.T. -0.02 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Tgt Ion: 107 Resp: 362971
Ion Ratio Lower Upper
107 100
108 88.4 71.5 111.5
77 38.2 45.9 85.9#
79 30.0 13.8 53.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.02 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 422533

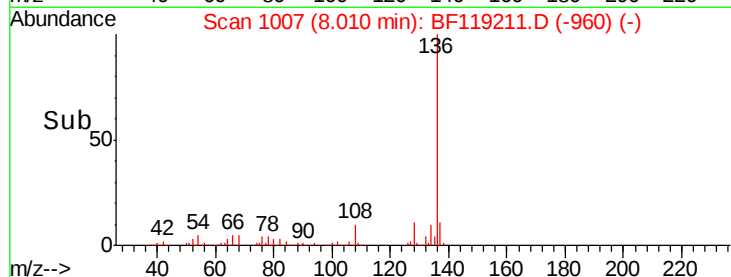
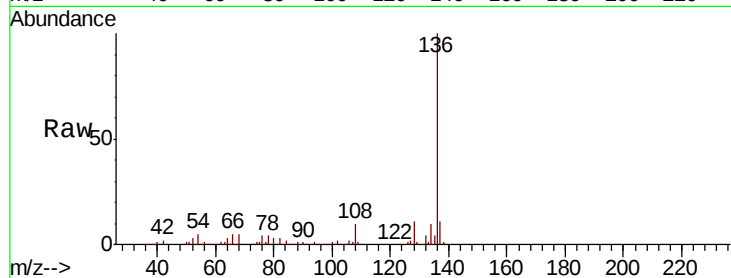
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 4.7 3.8 5.6

68 4.8 3.9 5.9

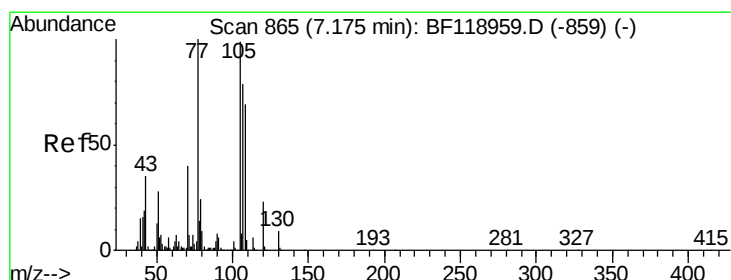
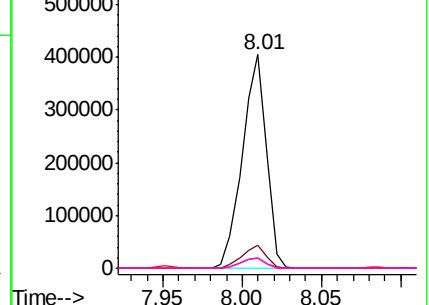


Abundance Ion 136.00 (135.70 to 136.70): E

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: 47.115 ng

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

Tgt Ion:105 Resp: 460609

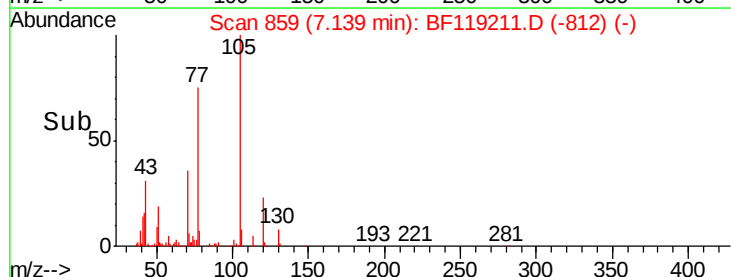
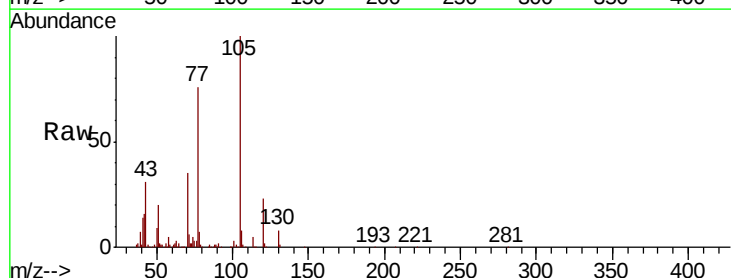
Ion Ratio Lower Upper

105 100

71 5.8 3.0 4.4#

51 19.6 20.1 30.1#

120 23.2 18.0 27.0

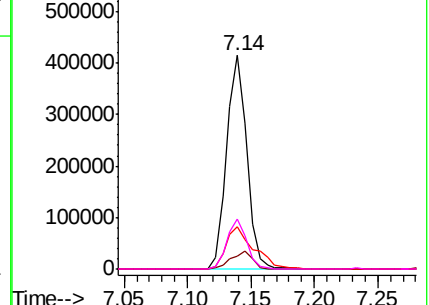


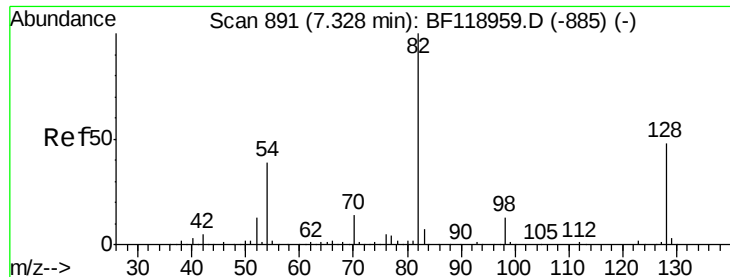
Abundance Ion 105.00 (104.70 to 105.70): E

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

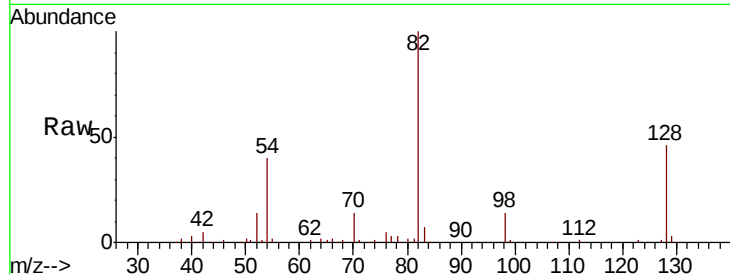




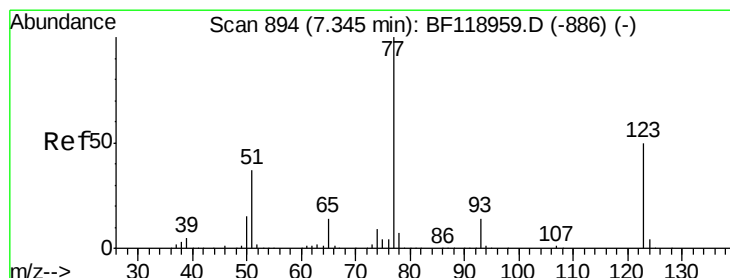
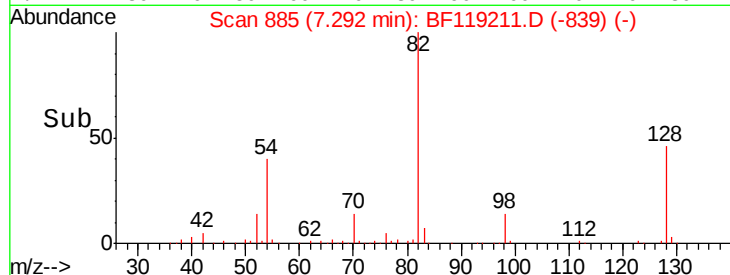
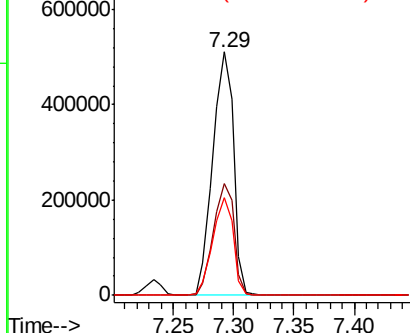
#23
Nitrobenzene-d5
Concen: 75.826 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.03 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 606802
Ion Ratio Lower Upper
82 100
128 45.7 37.9 56.9
54 40.0 33.4 50.2

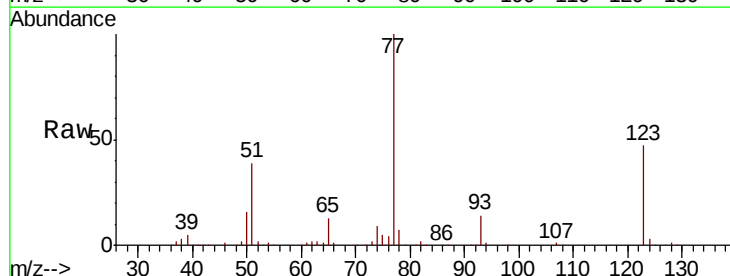


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

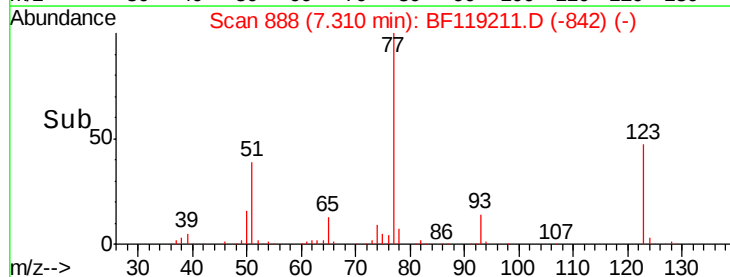
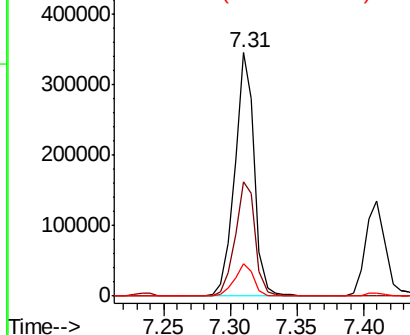


#24
Nitrobenzene
Concen: 44.777 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.03 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Tgt Ion: 77 Resp: 354352
Ion Ratio Lower Upper
77 100
123 47.1 40.2 60.2
65 13.3 10.8 16.2



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

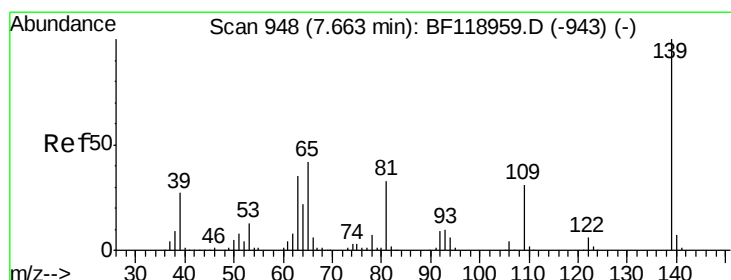
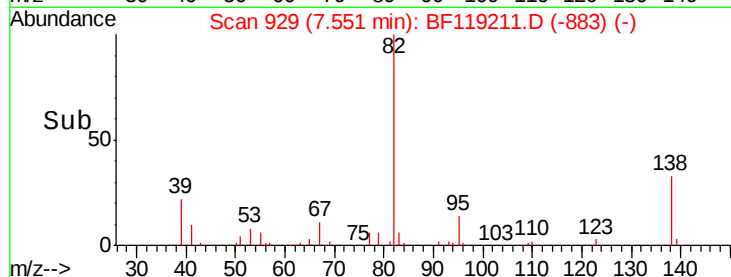
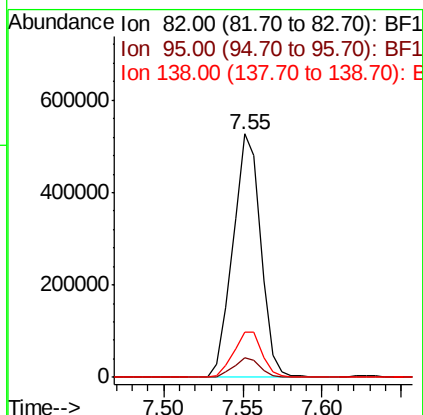
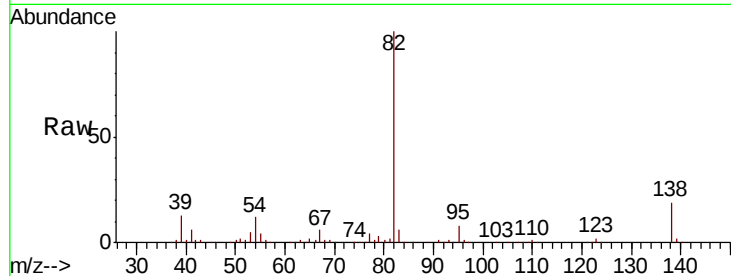




#25
Isophorone
Concen: 46.156 ng
RT: 7.55 min Scan# 929
Delta R.T. -0.03 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

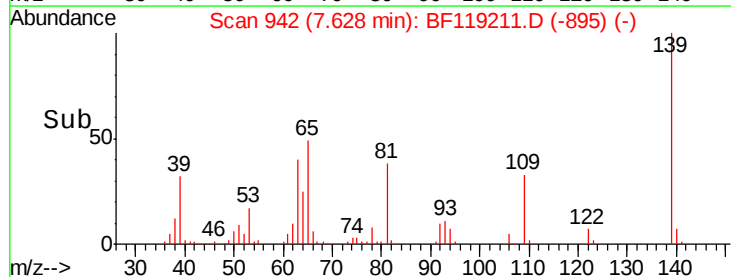
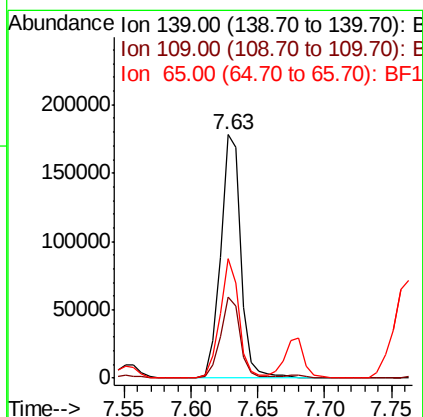
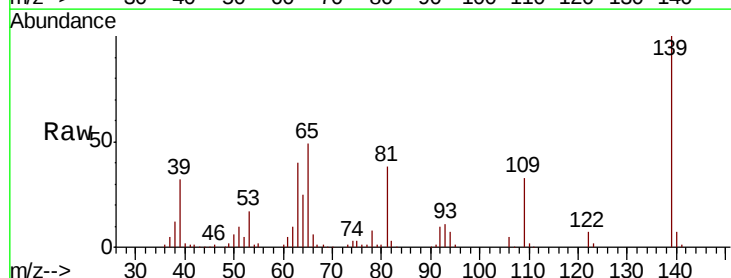
Instrument :
BNA_F
ClientSampleId :

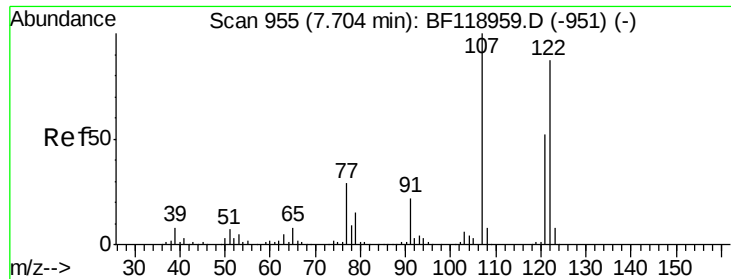
Tot Ion: 82 Resp: 641473
Ion Ratio Lower Upper
82 100
95 7.8 6.4 9.6
138 18.7 15.7 23.5



#26
2-Nitrophenol
Concen: 45.720 ng
RT: 7.63 min Scan# 942
Delta R.T. -0.02 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Tgt Ion: 139 Resp: 191708
Ion Ratio Lower Upper
139 100
109 33.1 25.7 38.5
65 49.3 37.1 55.7

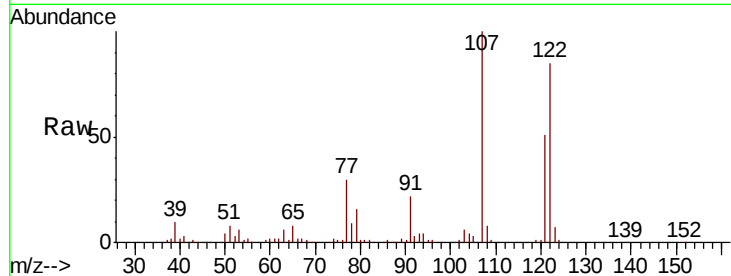




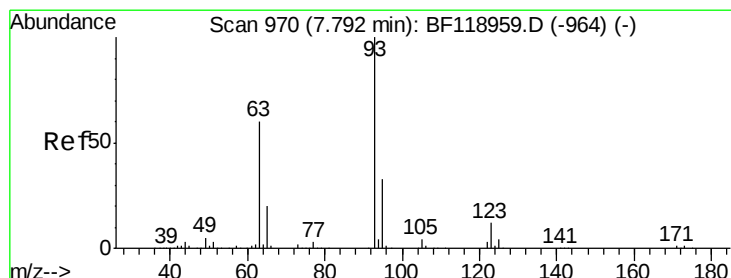
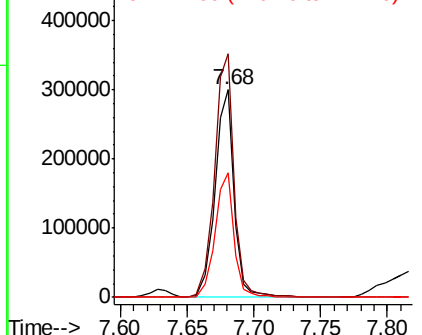
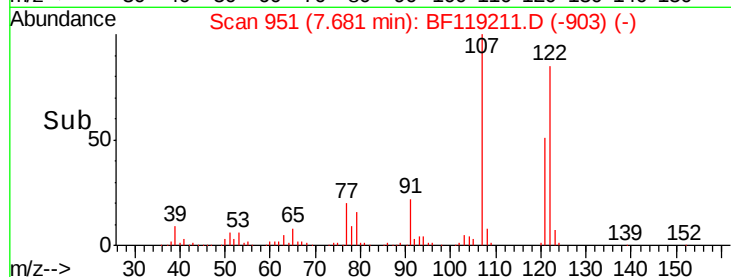
#27
 2,4-Dimethylphenol
 Concen: 53.213 ng
 RT: 7.68 min Scan# 951
 Delta R.T. -0.02 min
 Lab File: BF119211.D
 Acq: 5 Mar 2020 13:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:122 Resp: 302820
 Ion Ratio Lower Upper
 122 100
 107 117.2 93.8 140.6
 121 59.9 48.2 72.2

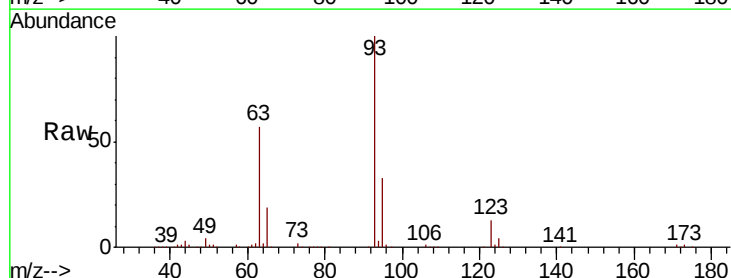


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

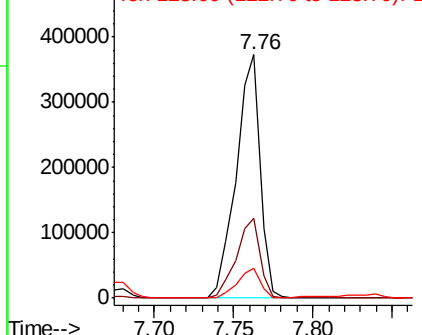
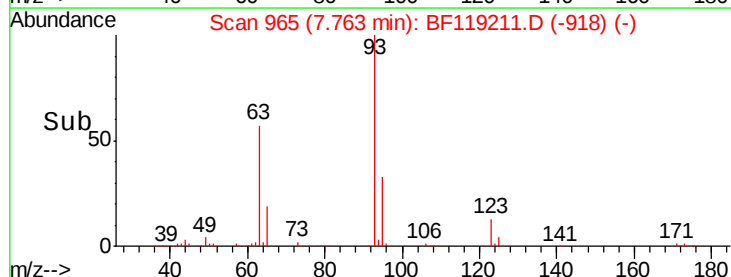


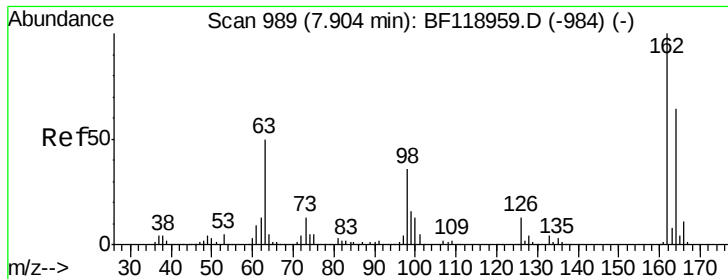
#28
 bis(2-Chloroethoxy)methane
 Concen: 43.133 ng
 RT: 7.76 min Scan# 965
 Delta R.T. -0.02 min
 Lab File: BF119211.D
 Acq: 5 Mar 2020 13:26

Tgt Ion: 93 Resp: 390190
 Ion Ratio Lower Upper
 93 100
 95 32.6 26.5 39.7
 123 12.5 10.2 15.2



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

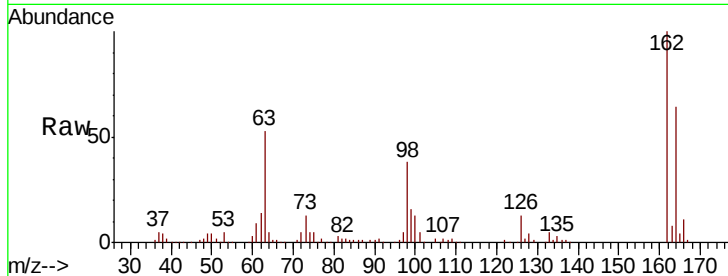




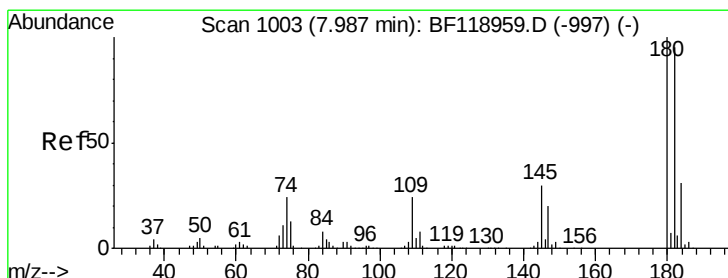
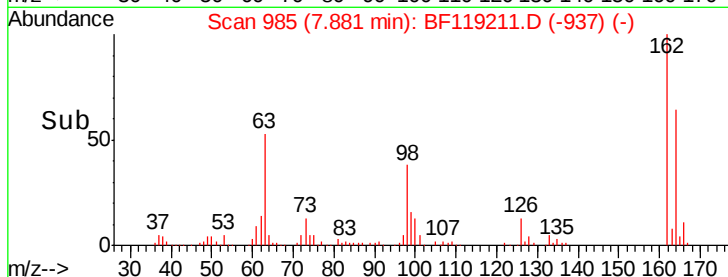
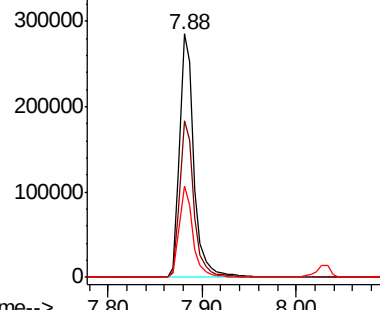
#29
2,4-Dichlorophenol
Concen: 45.426 ng
RT: 7.88 min Scan# 985
Delta R.T. -0.02 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.1	45.2	85.2
98	37.6	17.4	57.4

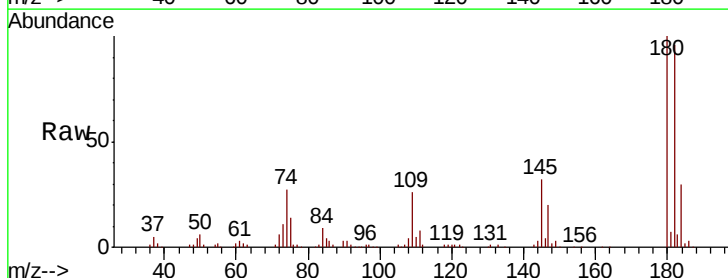


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

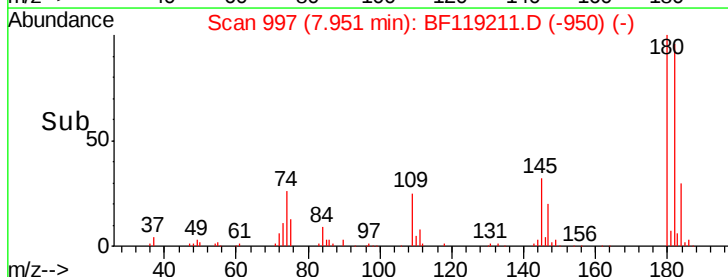
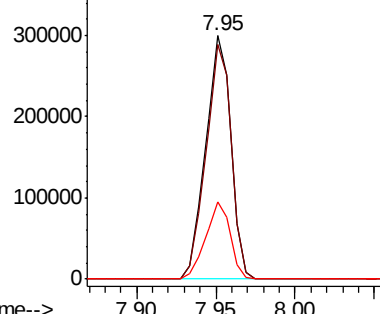


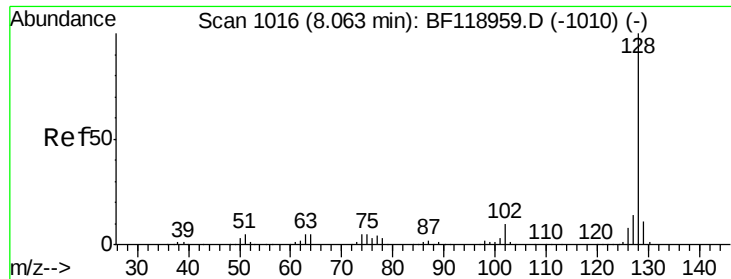
#30
1,2,4-Trichlorobenzene
Concen: 41.553 ng
RT: 7.95 min Scan# 997
Delta R.T. -0.02 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.8	116.6
145	31.5	25.2	37.8



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

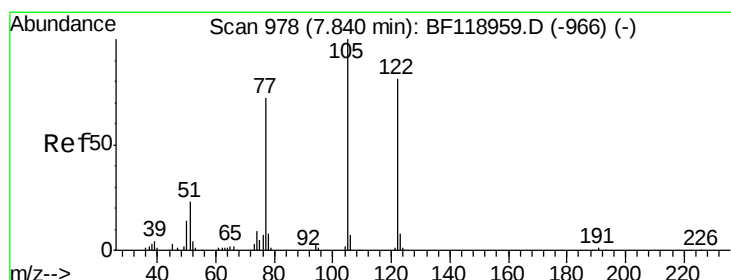
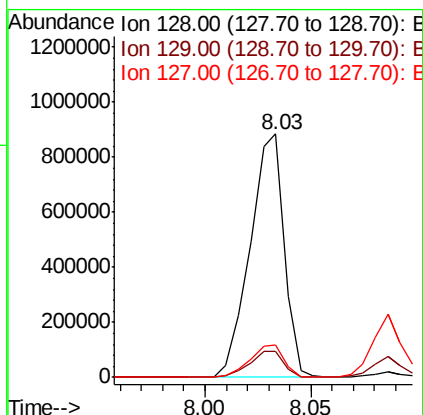
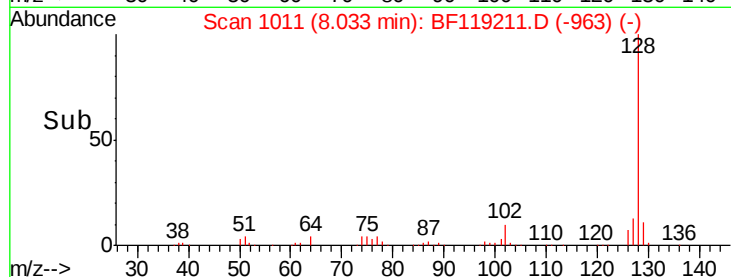
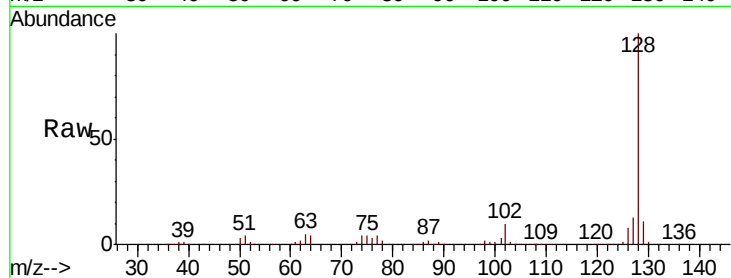




#31
Naphthalene
Concen: 45.383 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

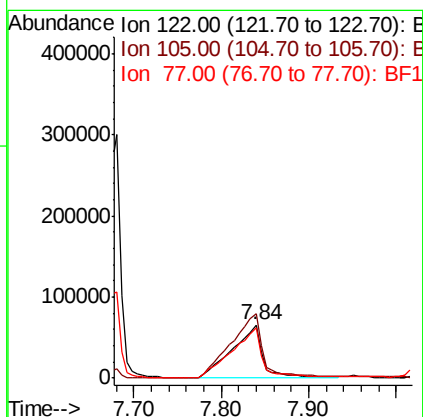
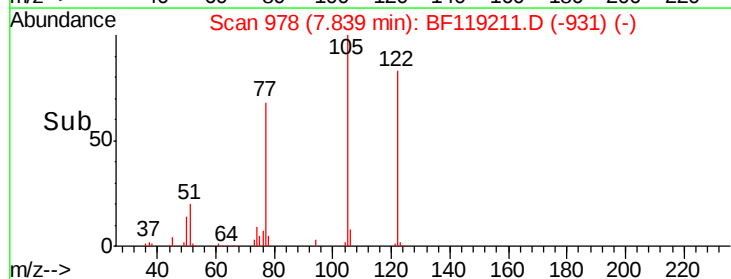
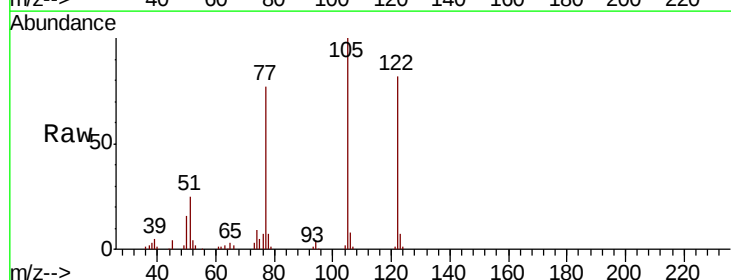
Instrument :
BNA_F
ClientSampled :

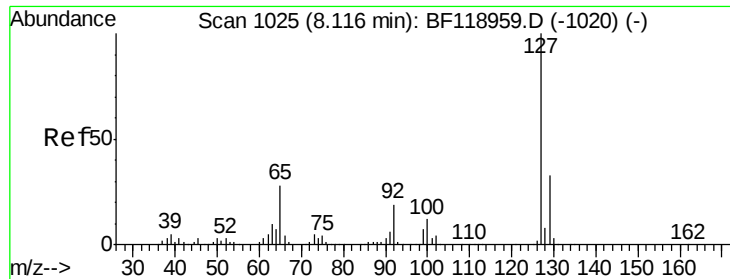
Tot Ion:128 Resp: 994486
Ion Ratio Lower Upper
128 100
129 10.9 9.4 14.2
127 13.3 11.4 17.2



#32
Benzoic acid
Concen: 39.943 ng
RT: 7.84 min Scan# 978
Delta R.T. -0.02 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Tgt Ion:122 Resp: 160446
Ion Ratio Lower Upper
122 100
105 122.3 106.3 146.3
77 94.4 73.1 113.1

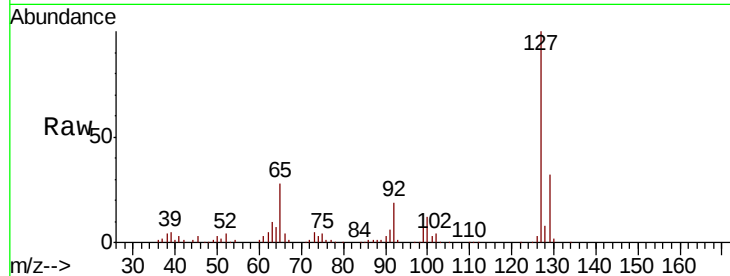




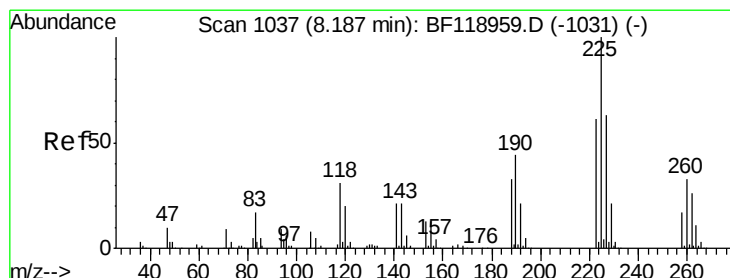
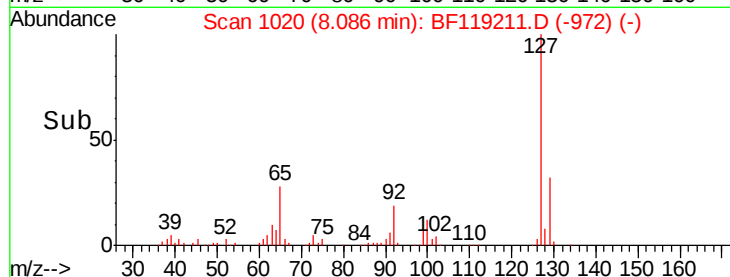
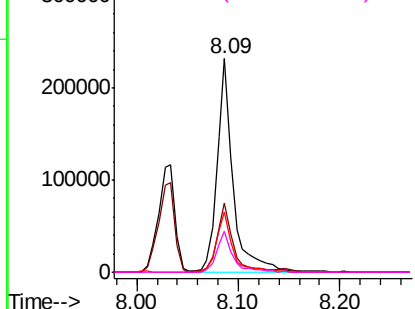
#33
4-Chloroaniline
Concen: 26.781 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	127	Resp:	252411
Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.9	38.9
65	28.1	23.9	35.9
92	19.0	16.3	24.5

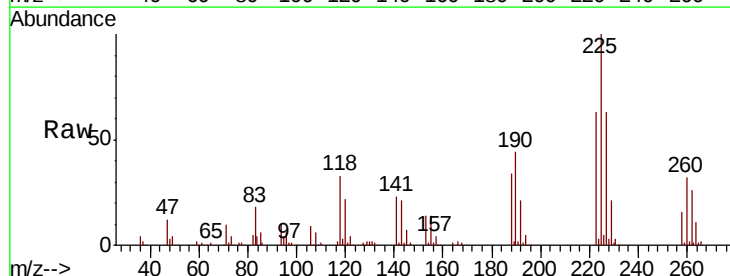


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

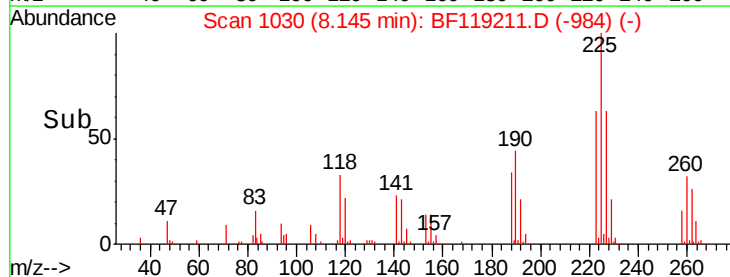
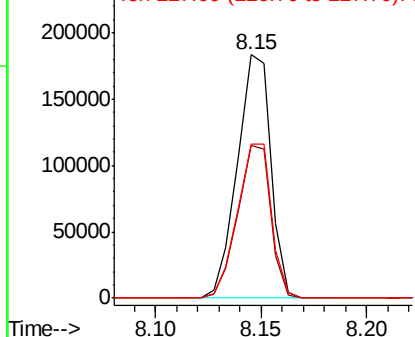


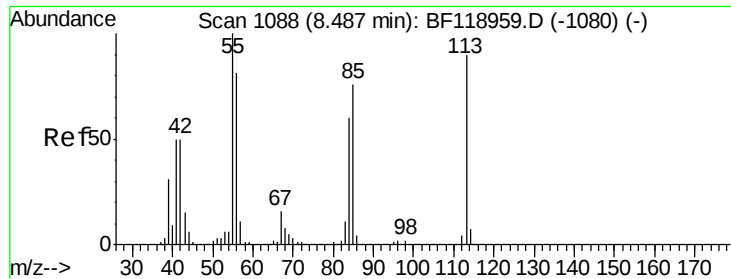
#34
Hexachlorobutadiene
Concen: 40.814 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.03 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Tgt Ion:	225	Resp:	201933
Ion	Ratio	Lower	Upper
225	100		
223	62.8	49.4	74.2
227	63.2	52.9	79.3



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

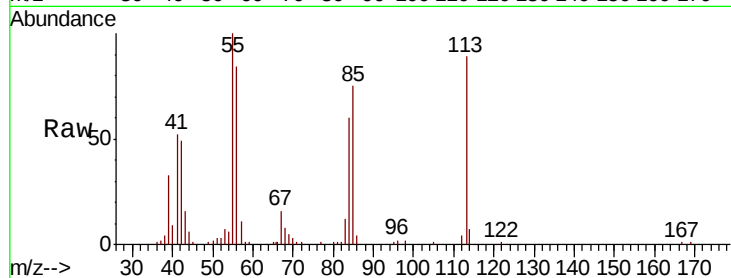




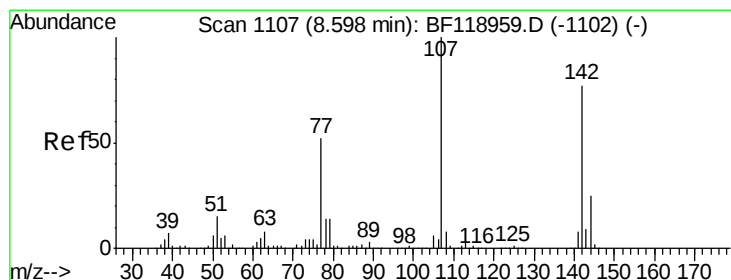
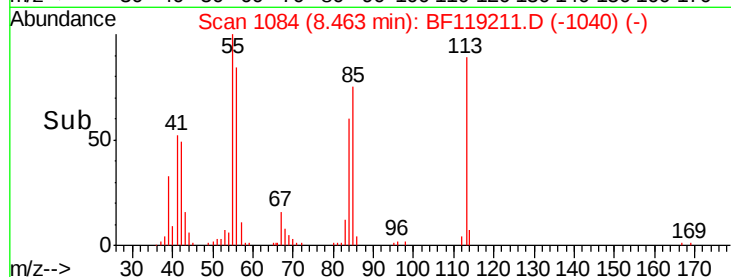
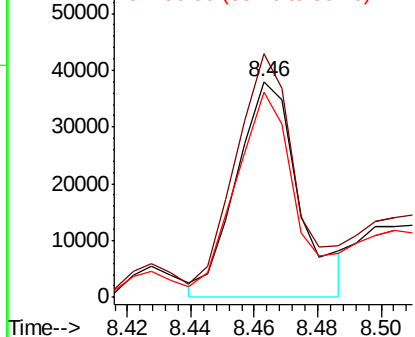
#35
 Caprolactam
 Concen: 25.220 ng
 RT: 8.46 min Scan# 1084
 Delta R.T. -0.04 min
 Lab File: BF119211.D
 Acq: 5 Mar 2020 13:26

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:113 Resp: 52025
 Ion Ratio Lower Upper
 113 100
 55 112.9 95.7 135.7
 56 95.4 73.1 113.1

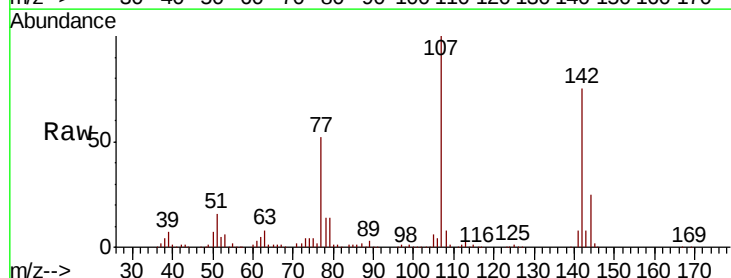


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

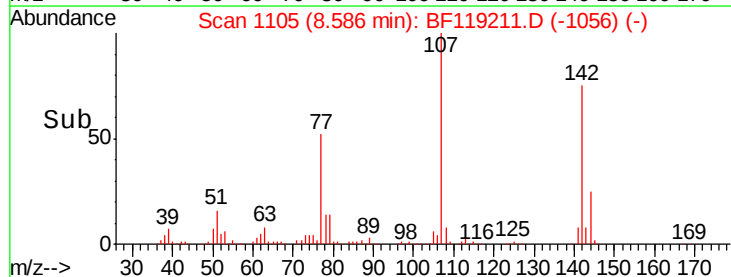
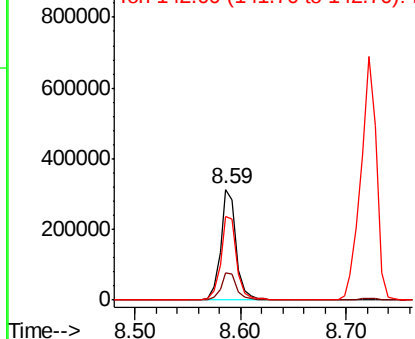


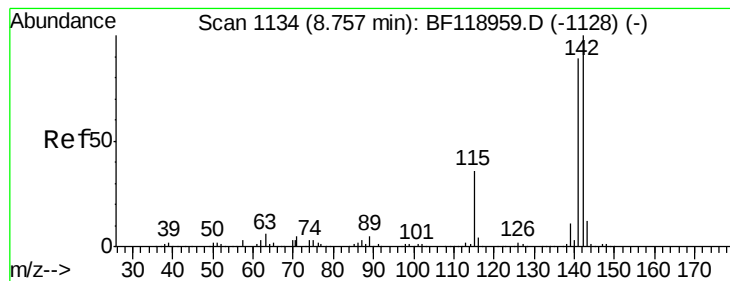
#36
 4-Chloro-3-methylphenol
 Concen: 47.762 ng
 RT: 8.59 min Scan# 1105
 Delta R.T. -0.01 min
 Lab File: BF119211.D
 Acq: 5 Mar 2020 13:26

Tgt Ion:107 Resp: 323827
 Ion Ratio Lower Upper
 107 100
 144 24.7 20.1 30.1
 142 75.2 61.4 92.2



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: 47.065 ng

RT: 8.72 min Scan# 1128

Delta R.T. -0.02 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

Instrument :

BNA_F

ClientSampleId :

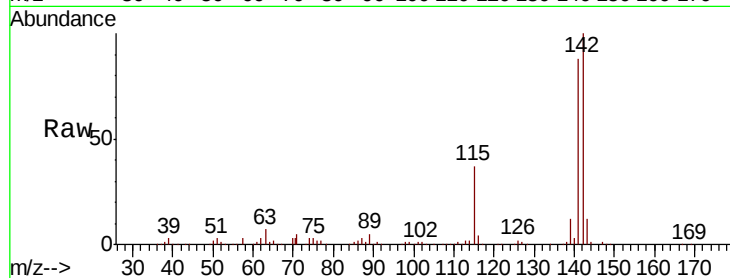
Tot Ion:142 Resp: 694059

Ion Ratio Lower Upper

142 100

141 88.4 72.3 108.5

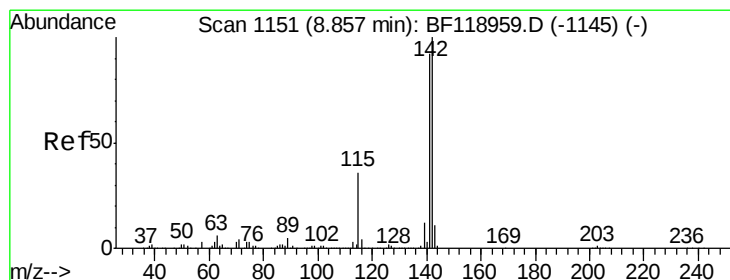
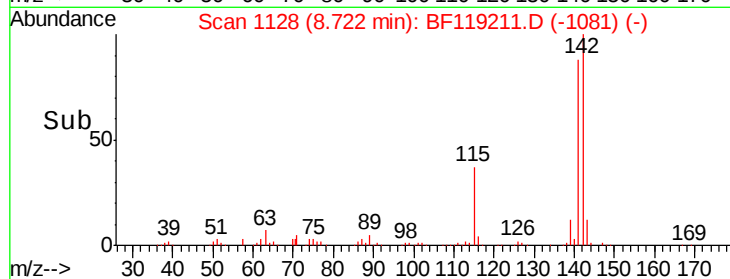
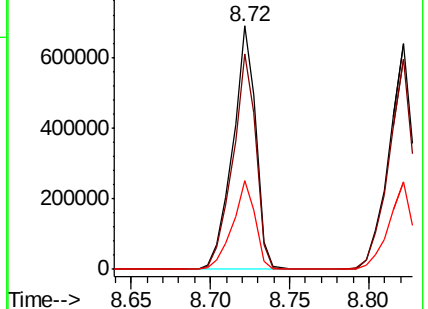
115 36.6 30.6 45.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 46.598 ng

RT: 8.82 min Scan# 1145

Delta R.T. -0.02 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

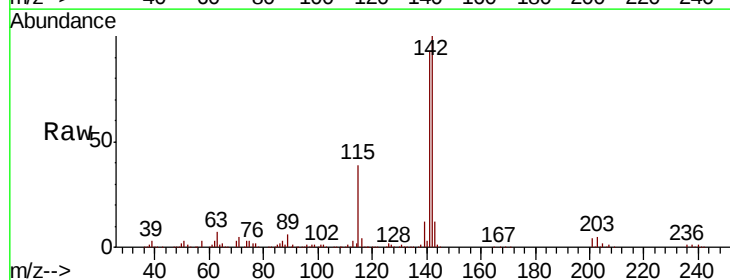
Tgt Ion:142 Resp: 646266

Ion Ratio Lower Upper

142 100

141 93.3 75.8 113.6

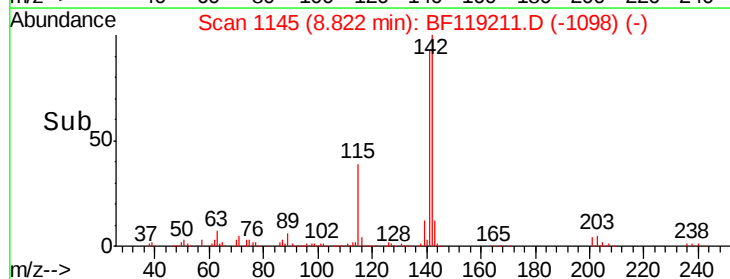
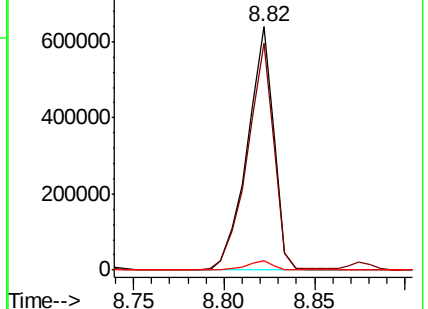
116 4.0 3.1 4.7

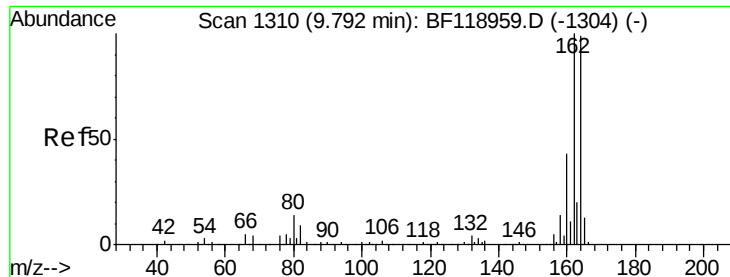


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

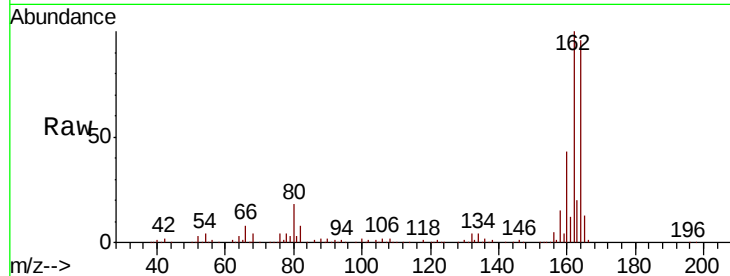




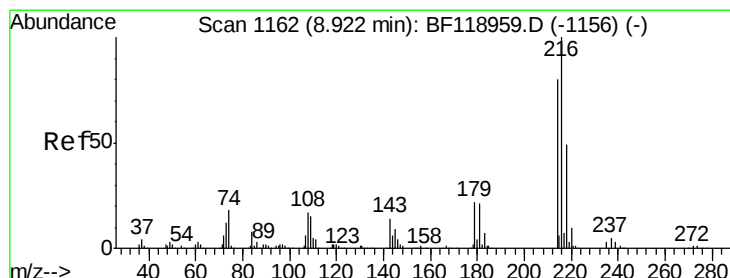
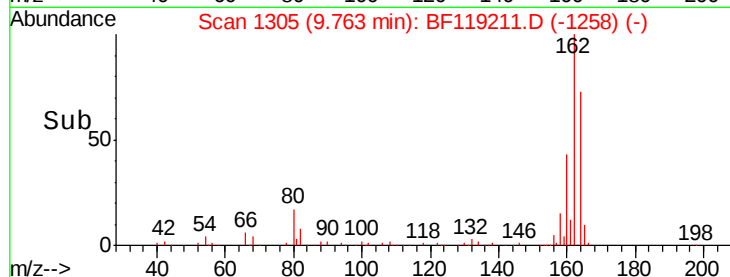
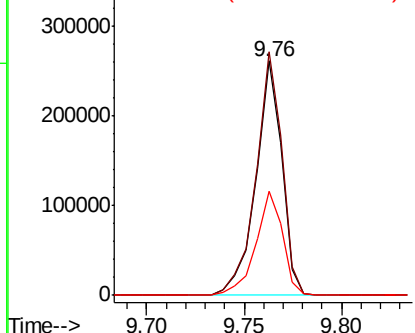
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.02 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 242253
Ion Ratio Lower Upper
164 100
162 103.9 81.8 122.8
160 44.4 36.0 54.0

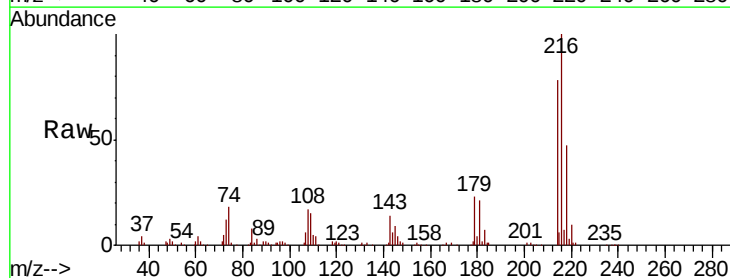


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

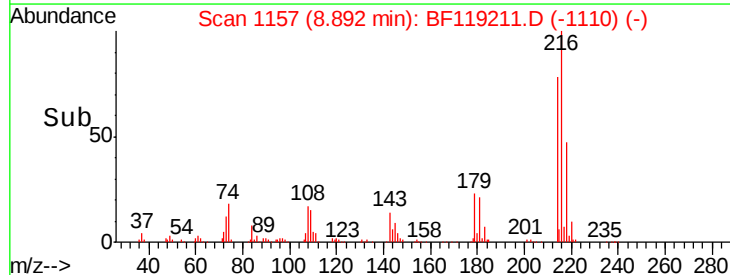
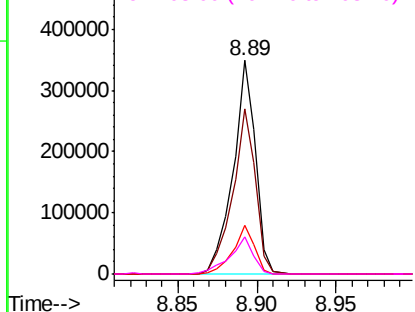


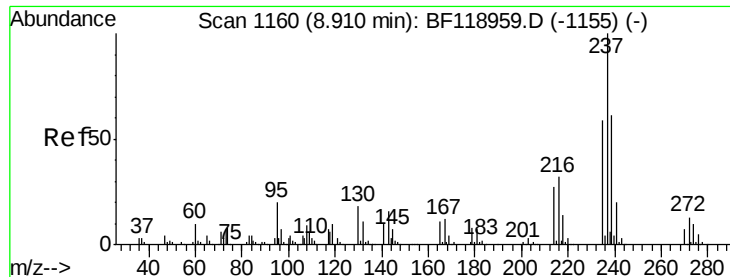
#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.836 ng
RT: 8.89 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Tgt Ion:216 Resp: 341708
Ion Ratio Lower Upper
216 100
214 78.4 63.3 94.9
179 21.7 17.7 26.5
108 18.2 13.9 20.9



Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 59.961 ng

RT: 8.87 min Scan# 1154

Delta R.T. -0.02 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

Instrument :

BNA_F

ClientSampleId :

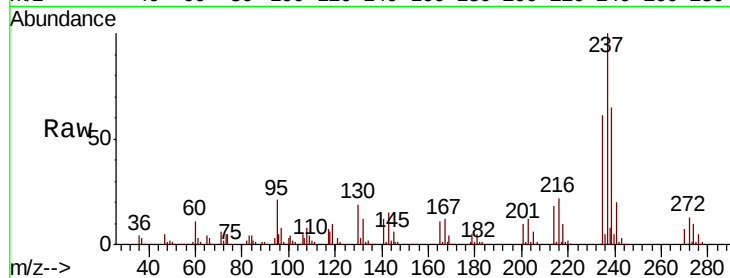
Tot Ion:237 Resp: 170340

Ion Ratio Lower Upper

237 100

235 61.0 42.3 82.3

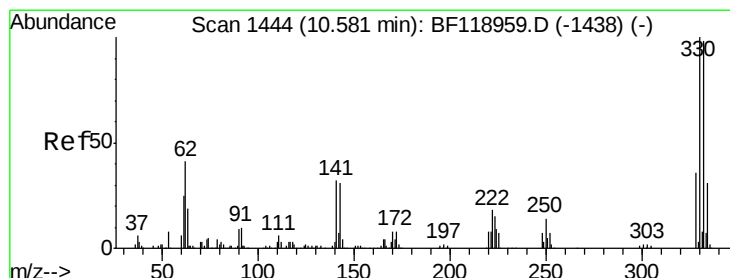
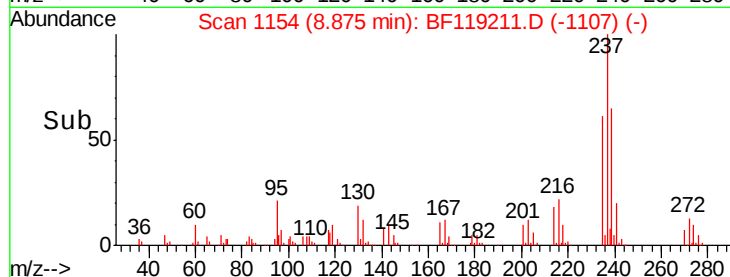
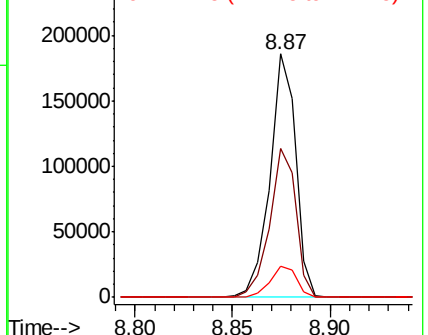
272 13.0 0.0 33.5



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 120.268 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

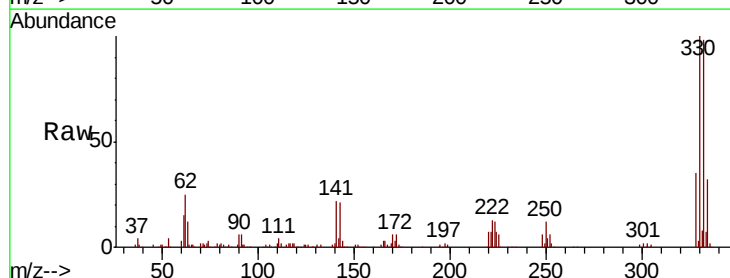
Tgt Ion:330 Resp: 381139

Ion Ratio Lower Upper

330 100

332 96.8 76.0 114.0

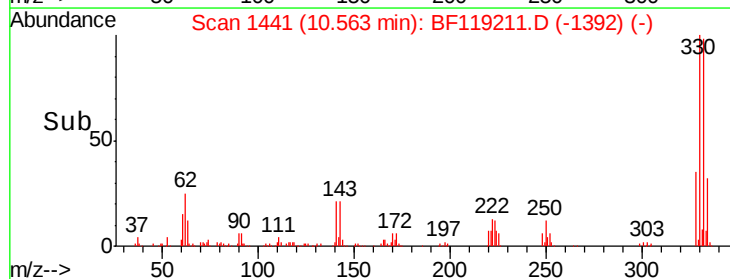
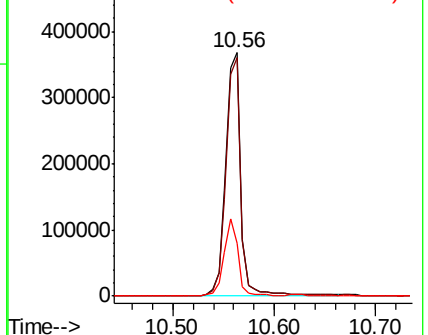
141 29.5 22.9 34.3

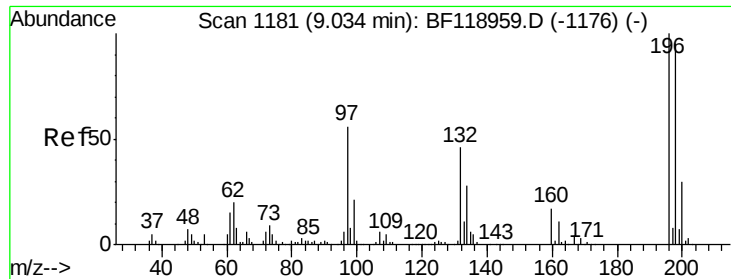


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

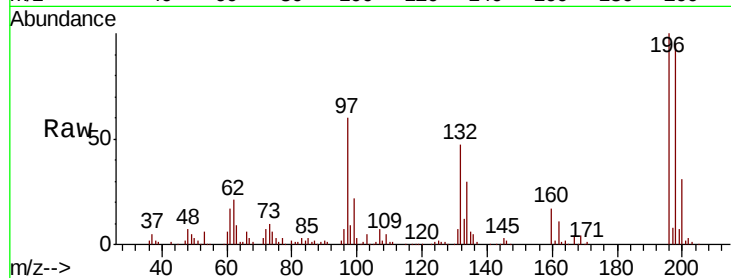




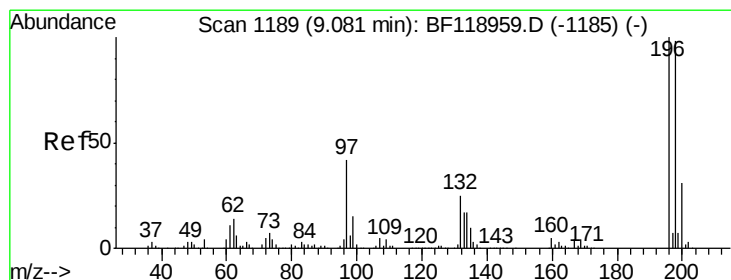
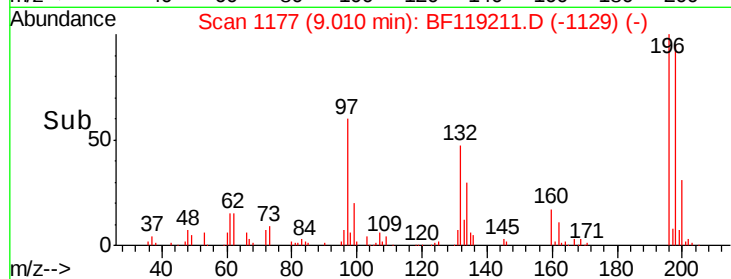
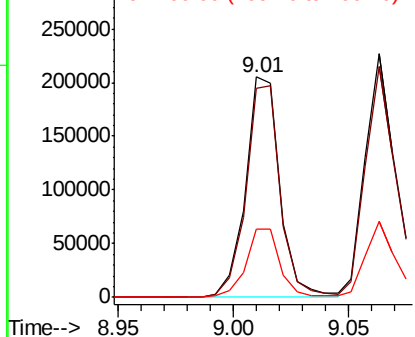
#43
 2,4,6-Trichlorophenol
 Concen: 41.558 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. -0.02 min
 Lab File: BF119211.D
 Acq: 5 Mar 2020 13:26

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:196 Resp: 214353
 Ion Ratio Lower Upper
 196 100
 198 95.1 77.1 115.7
 200 31.2 25.0 37.6

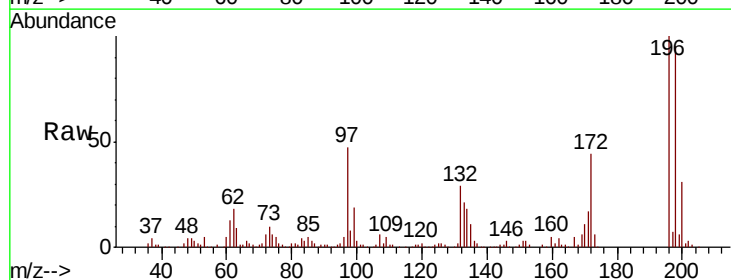


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

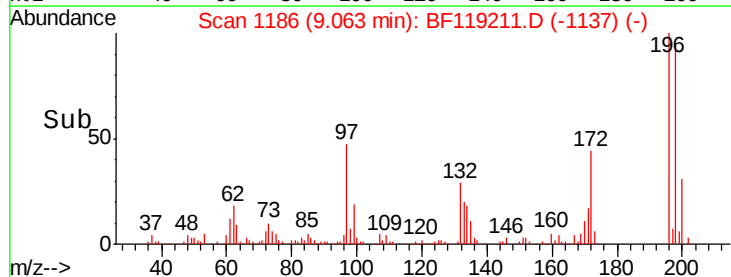
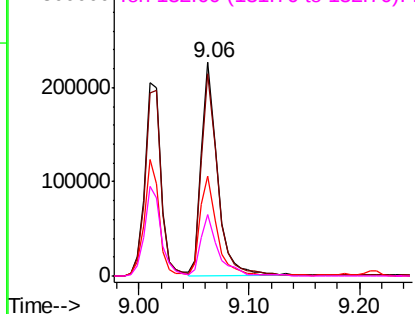


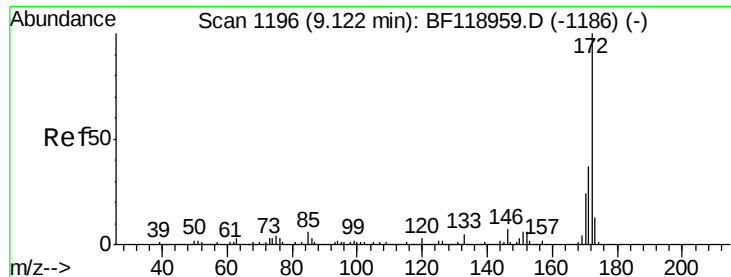
#44
 2,4,5-Trichlorophenol
 Concen: 41.132 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF119211.D
 Acq: 5 Mar 2020 13:26

Tgt Ion:196 Resp: 222625
 Ion Ratio Lower Upper
 196 100
 198 94.9 76.8 115.2
 97 47.0 38.5 57.7
 132 28.8 22.2 33.4



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

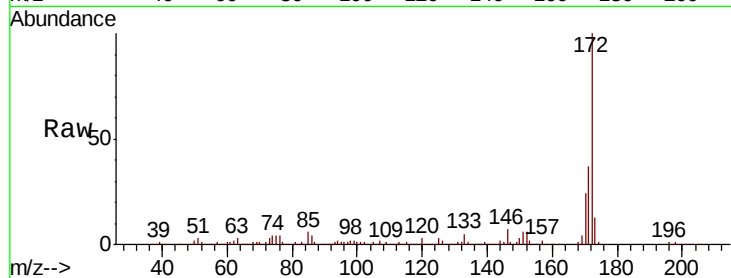




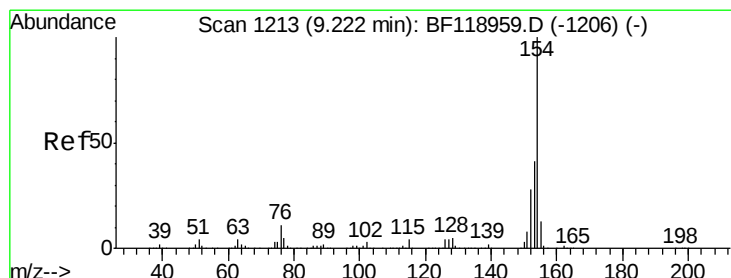
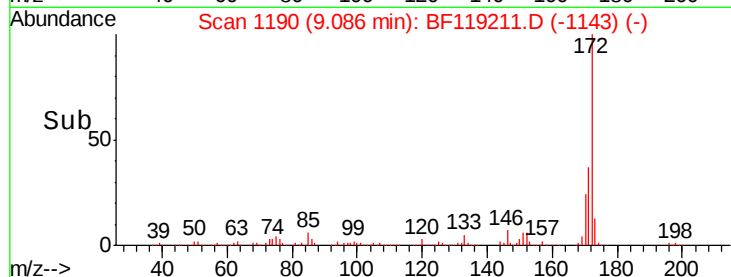
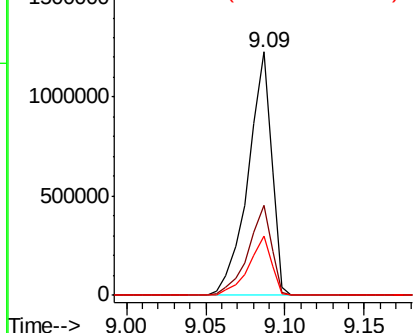
#45
2-Fluorobiphenyl
Concen: 76.929 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.02 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1265042
Ion Ratio Lower Upper
172 100
171 37.2 30.6 45.8
170 24.1 20.2 30.2

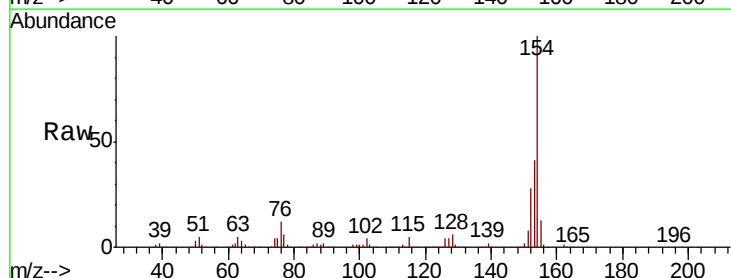


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

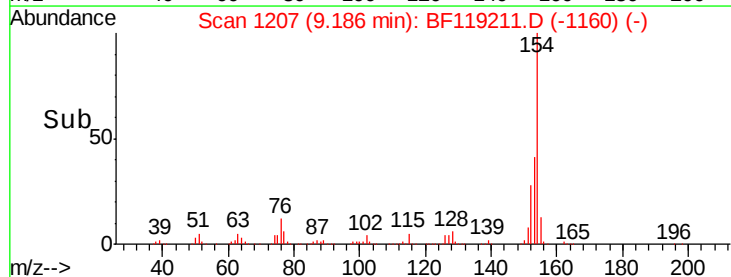
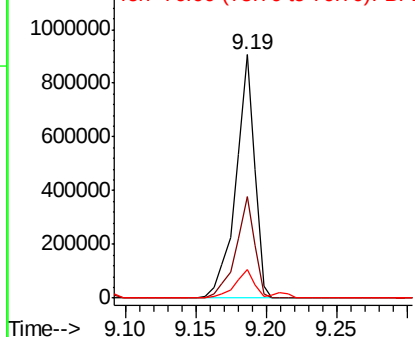


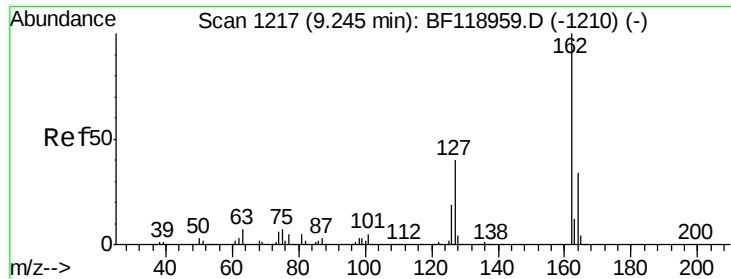
#46
1,1'-Biphenyl
Concen: 42.710 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Tgt Ion:154 Resp: 836214
Ion Ratio Lower Upper
154 100
153 41.5 22.8 62.8
76 11.9 0.0 32.2



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

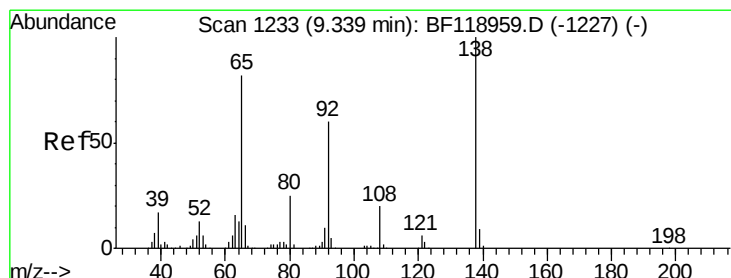
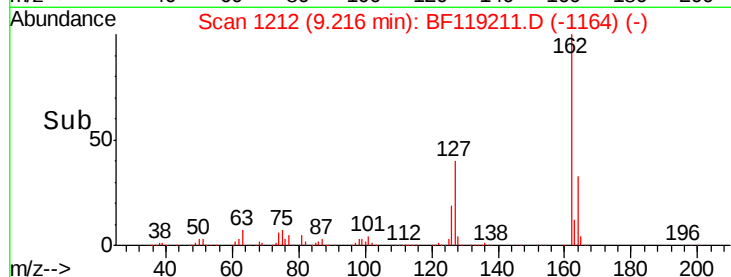
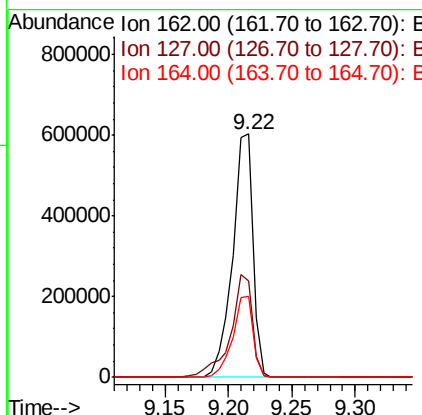
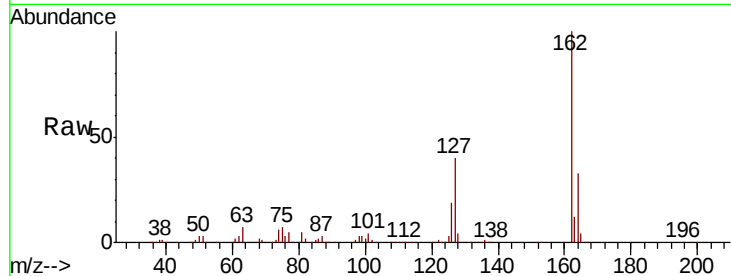




#47
 2-Chloronaphthalene
 Concen: 42.284 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.02 min
 Lab File: BF119211.D
 Acq: 5 Mar 2020 13:26

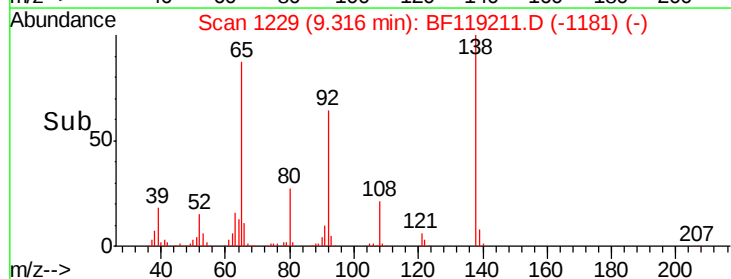
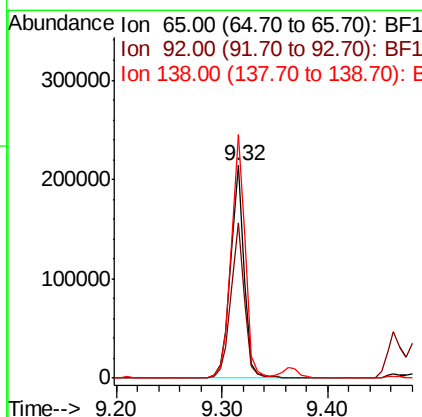
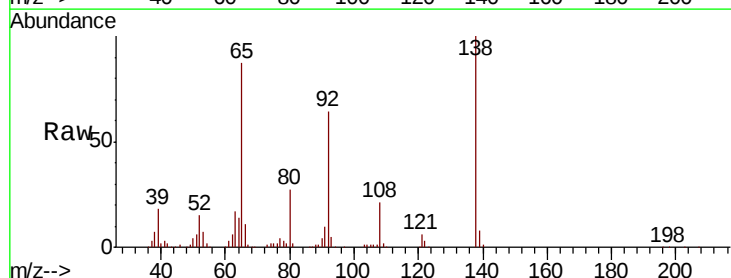
Instrument :
 BNA_F
 ClientSampled :

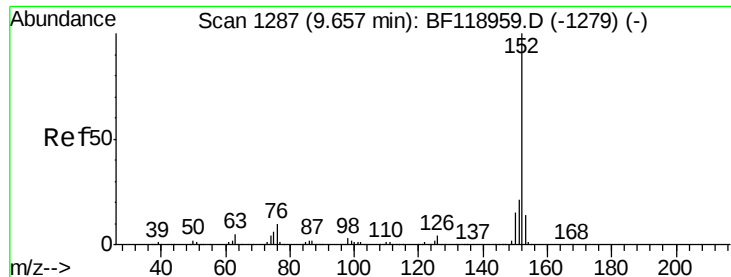
Tot Ion	Ratio	Lower	Upper
162	100		
127	39.5	35.0	52.4
164	33.2	27.2	40.8



#48
 2-Nitroaniline
 Concen: 43.130 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.02 min
 Lab File: BF119211.D
 Acq: 5 Mar 2020 13:26

Tgt Ion	Ratio	Lower	Upper
65	100		
92	73.4	58.2	87.2
138	114.6	95.6	143.4





#49

Acenaphthylene

Concen: 44.746 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

Instrument :

BNA_F

ClientSampled :

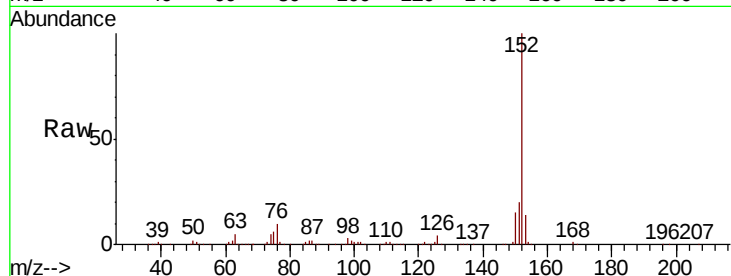
Tot Ion:152 Resp: 1019668

Ion Ratio Lower Upper

152 100

151 20.4 16.9 25.3

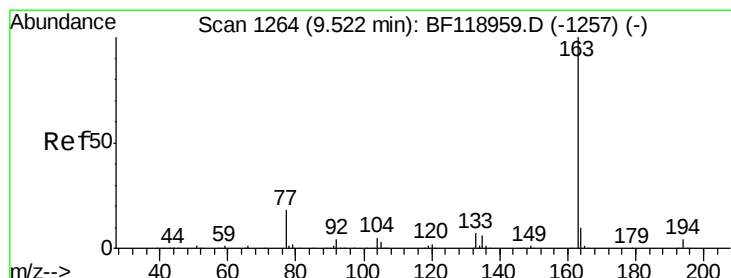
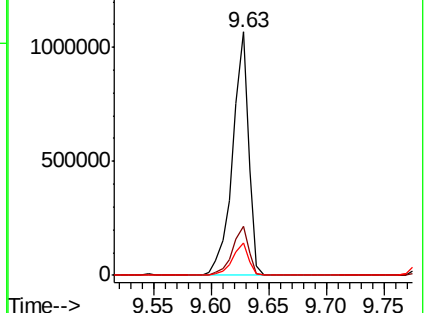
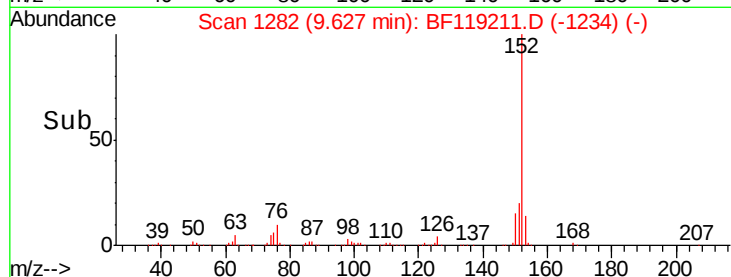
153 13.6 11.0 16.6



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: 44.478 ng

RT: 9.49 min Scan# 1259

Delta R.T. -0.02 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

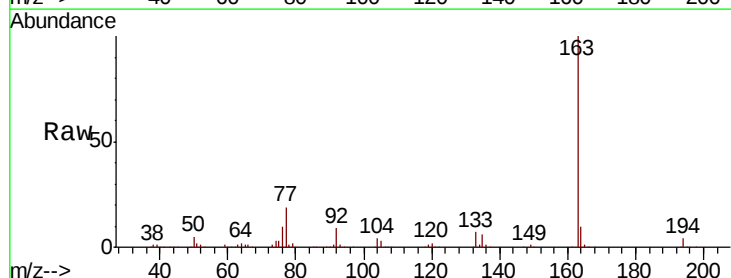
Tgt Ion:163 Resp: 823939

Ion Ratio Lower Upper

163 100

194 4.2 3.5 5.3

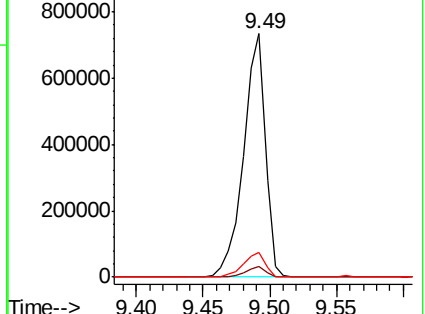
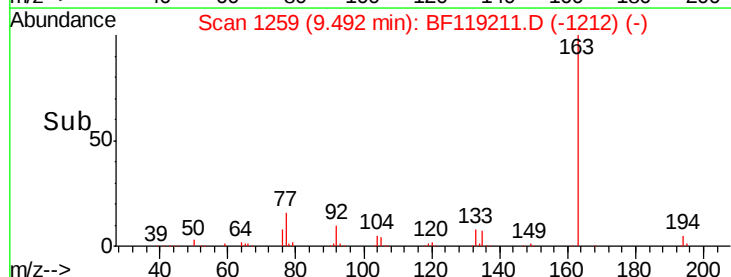
164 10.1 8.4 12.6



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

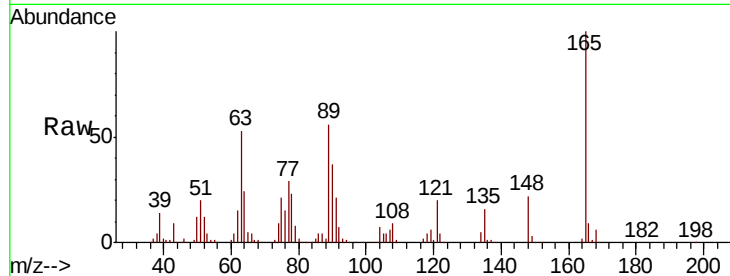




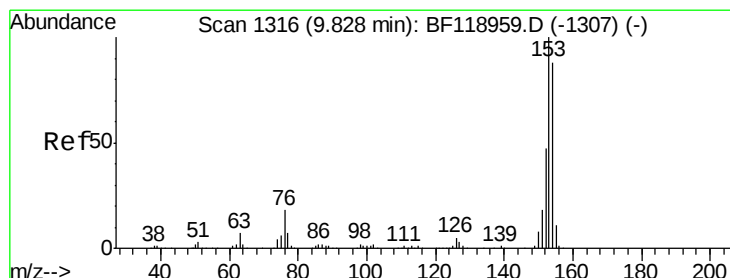
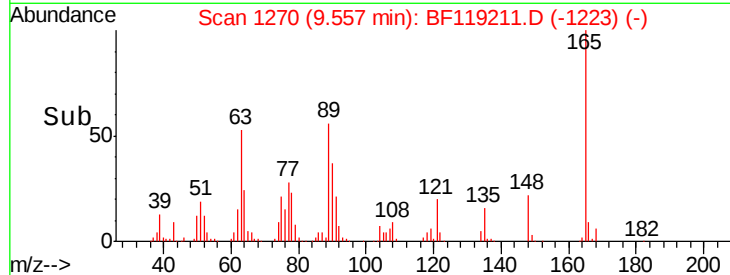
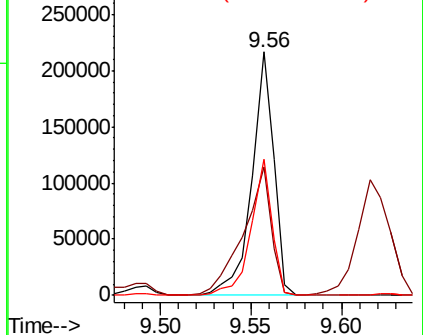
#51
 2,6-Dinitrotoluene
 Concen: 44.437 ng
 RT: 9.56 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: BF119211.D
 Acq: 5 Mar 2020 13:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	52.9	34.3	51.5#
89	55.7	38.3	57.5

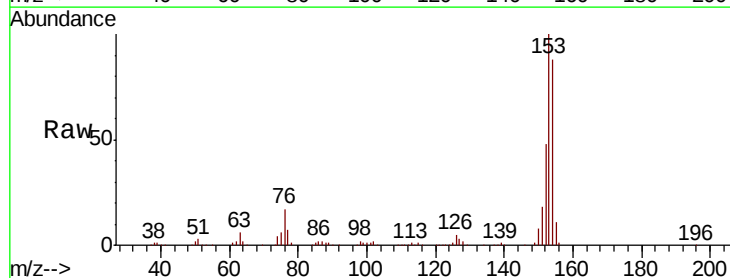


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

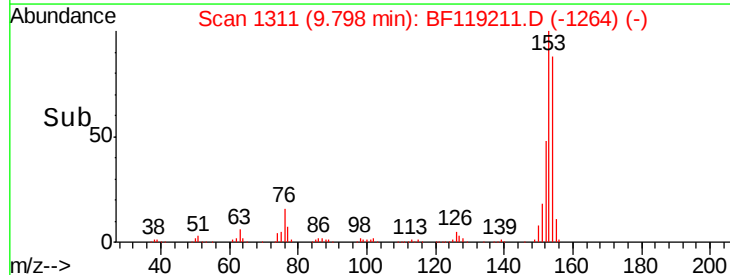
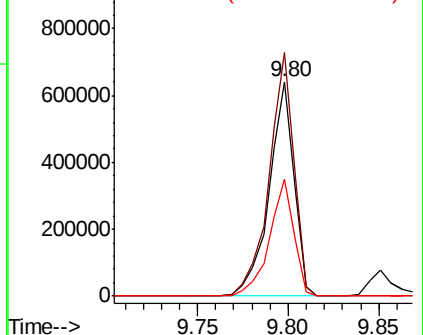


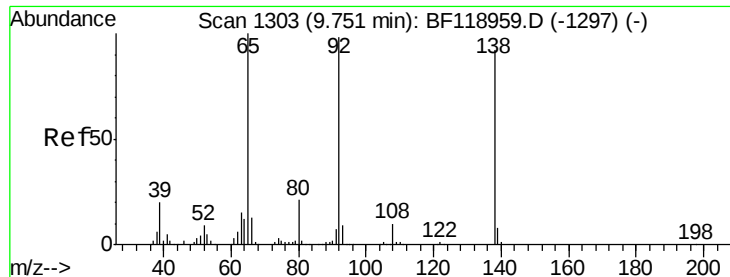
#52
 Acenaphthene
 Concen: 44.355 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.02 min
 Lab File: BF119211.D
 Acq: 5 Mar 2020 13:26

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.6	90.3	135.5
152	54.8	43.8	65.8



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

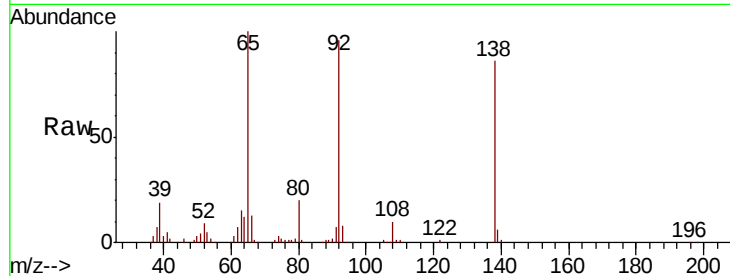




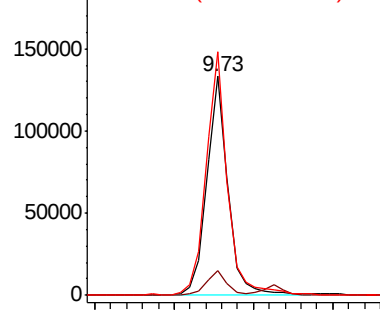
#53
3-Nitroaniline
Concen: 27.161 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.02 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Instrument :
BNA_F
ClientSampleId :

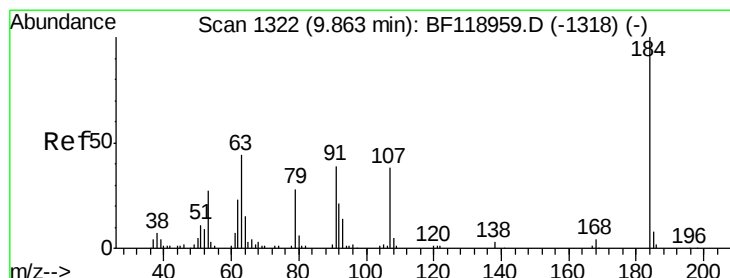
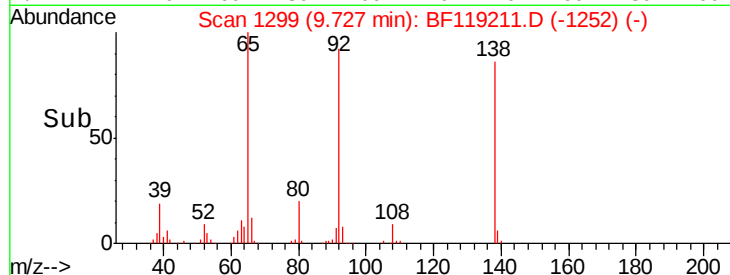
Tot Ion:138 Resp: 123928
Ion Ratio Lower Upper
138 100
108 11.1 8.8 13.2
92 111.1 84.8 127.2



Abundance Ion 138.00 (137.70 to 138.70): E
200000
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

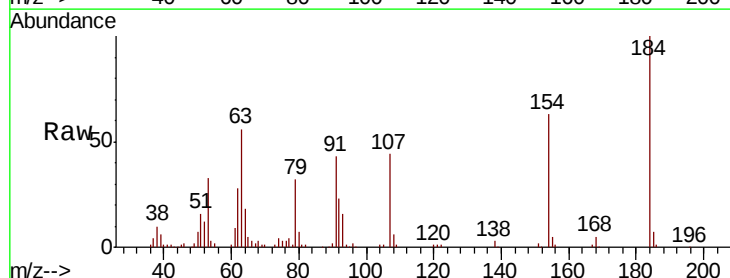


Time--> 9.65 9.70 9.75 9.80

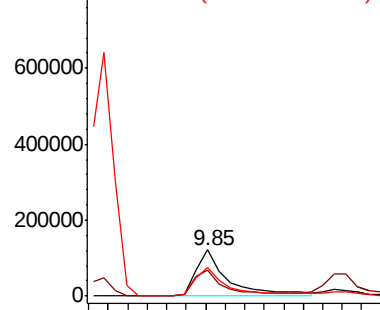


#54
2,4-Dinitrophenol
Concen: 70.106 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

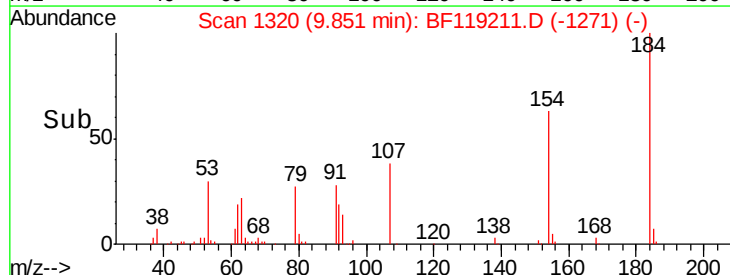
Tgt Ion:184 Resp: 138192
Ion Ratio Lower Upper
184 100
63 56.1 38.7 58.1
154 63.1 49.7 74.5

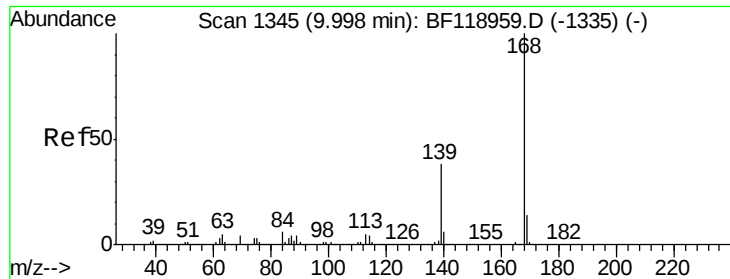


Abundance Ion 184.00 (183.70 to 184.70): E
800000
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E



Time--> 9.80 9.85 9.90

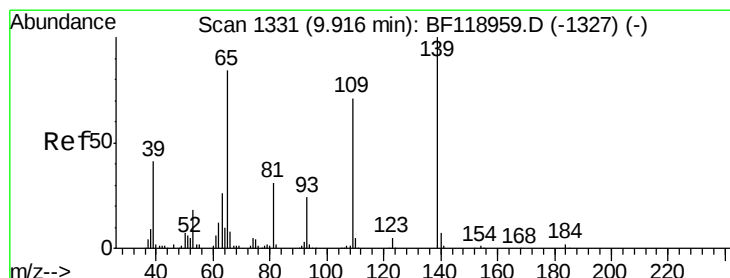
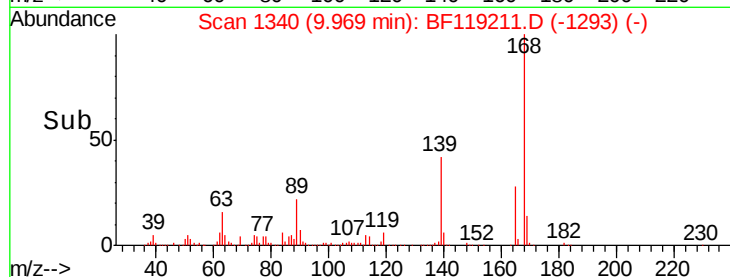
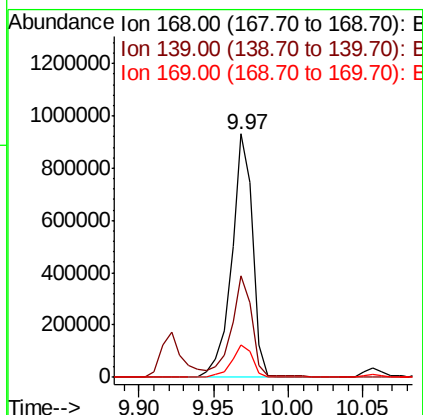
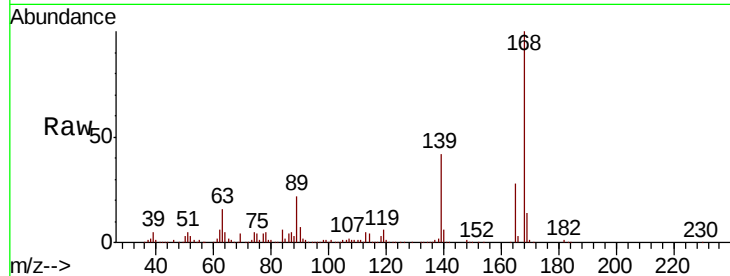




#55
Dibenzofuran
Concen: 44.494 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

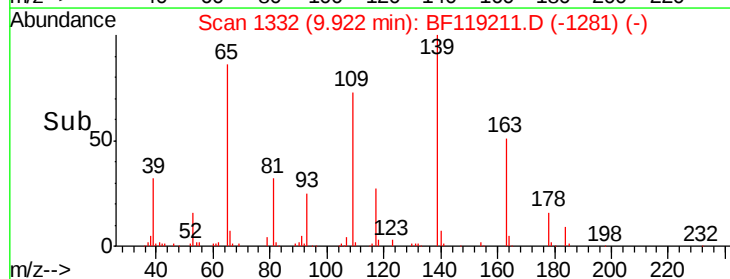
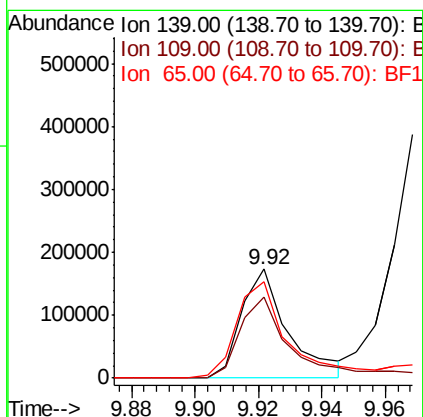
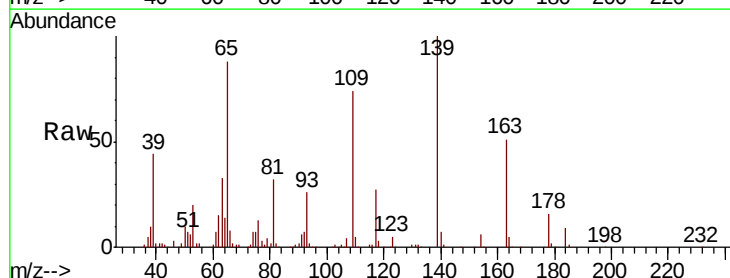
Instrument :
BNA_F
ClientSampleId :

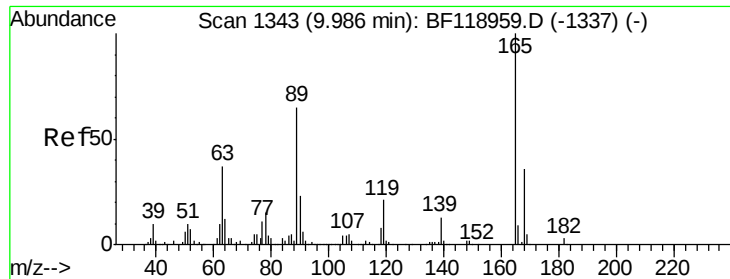
Tot Ion:168 Resp: 912541
Ion Ratio Lower Upper
168 100
139 41.6 34.0 51.0
169 13.5 11.0 16.4



#56
4-Nitrophenol
Concen: 64.750 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Tgt Ion:139 Resp: 177502
Ion Ratio Lower Upper
139 100
109 74.4 56.7 96.7
65 87.9 65.0 105.0

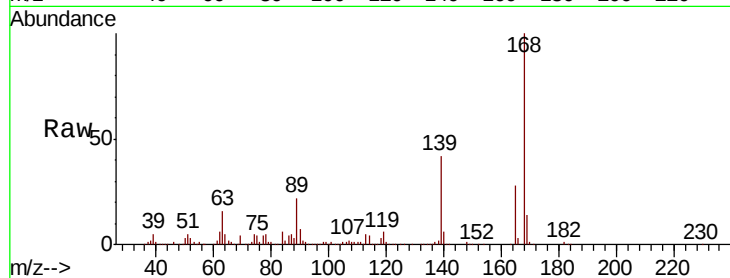




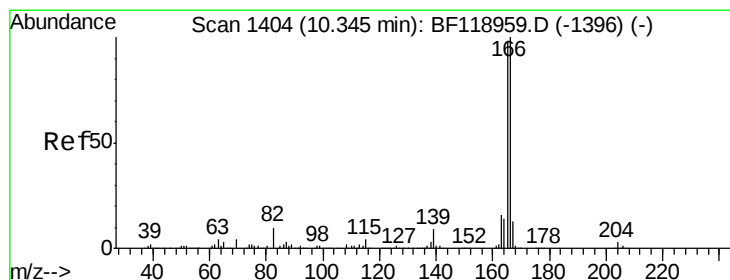
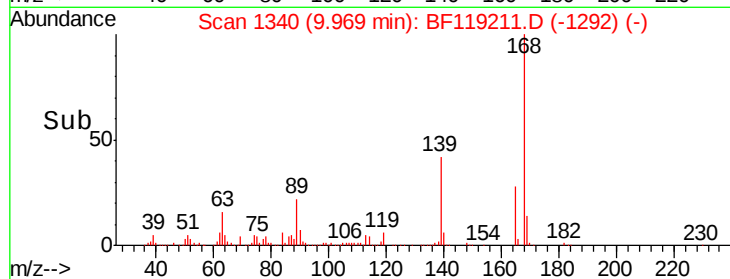
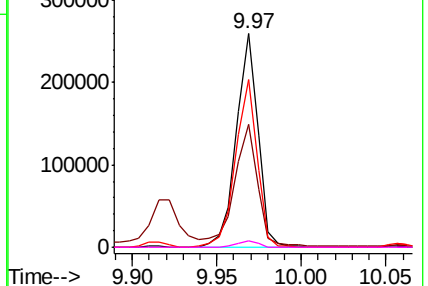
#57
2,4-Dinitrotoluene
Concen: 43.217 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	230547
Ion Ratio	Lower	Upper
165	100	
63	57.7	42.3 63.5
89	78.7	60.2 90.4
182	3.0	2.3 3.5

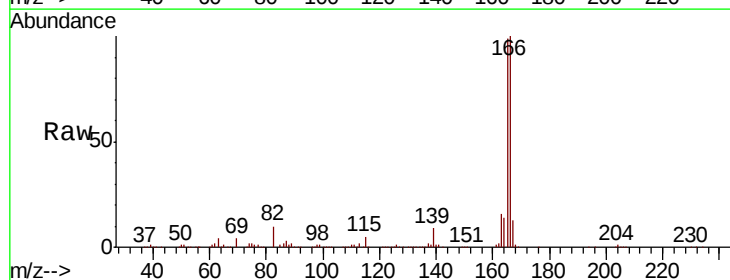


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

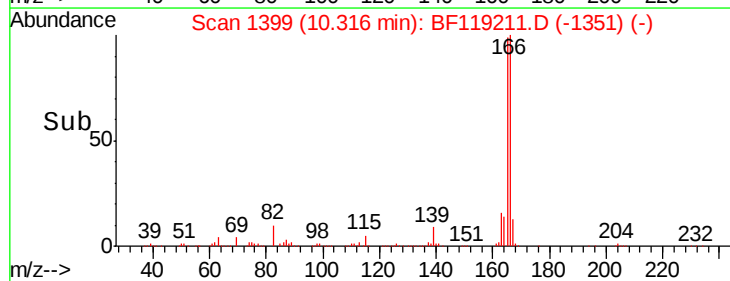
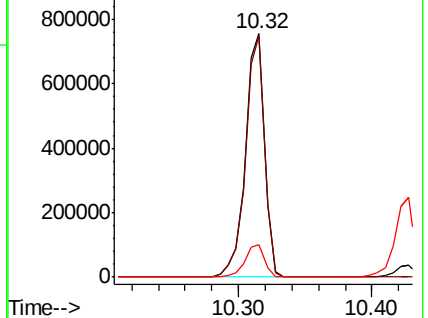


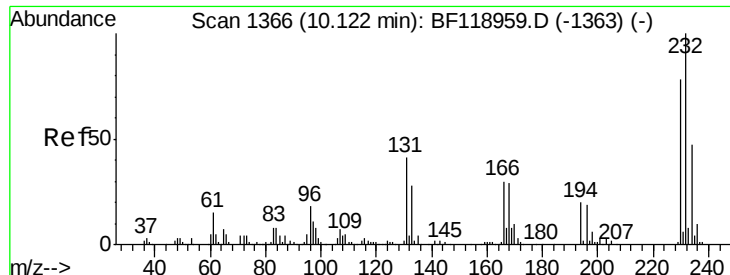
#58
Fluorene
Concen: 46.307 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.02 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Tgt Ion:166	Resp:	737987
Ion Ratio	Lower	Upper
166	100	
165	98.9	78.5 117.7
167	13.3	11.0 16.4



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

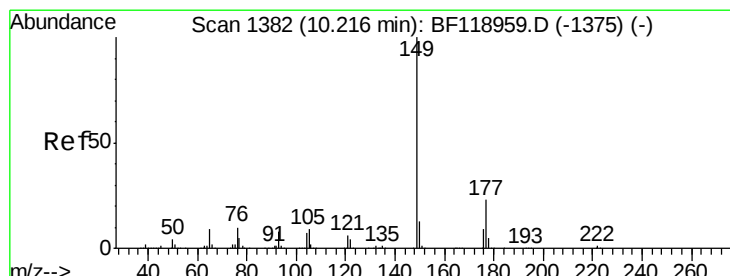
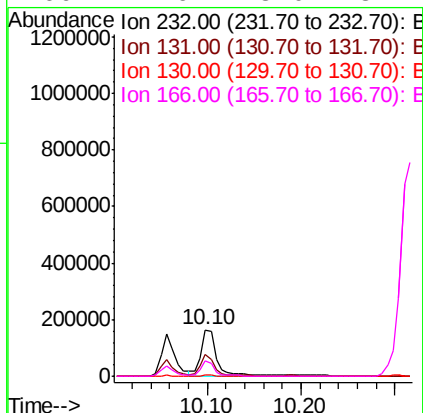
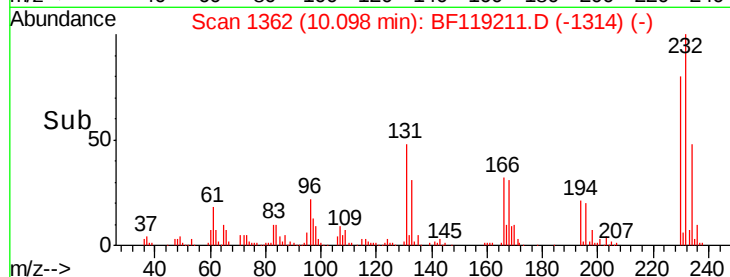
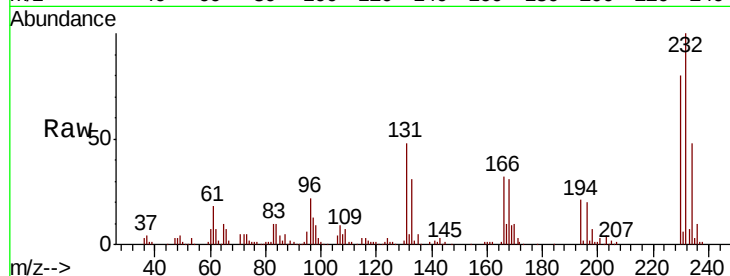




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 42.695 ng
 RT: 10.10 min Scan# 1362
 Delta R.T. -0.02 min
 Lab File: BF119211.D
 Acq: 5 Mar 2020 13:26

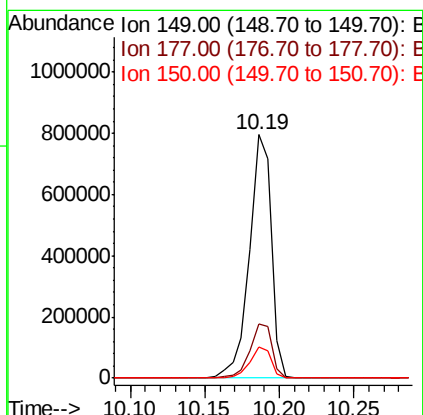
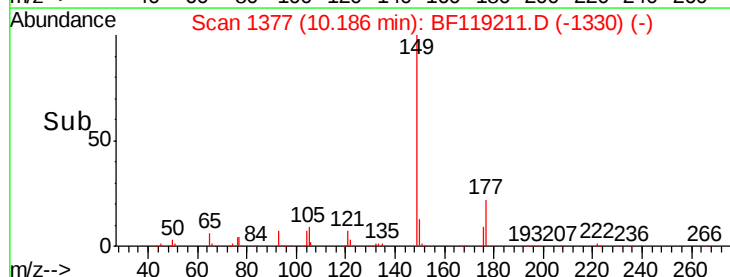
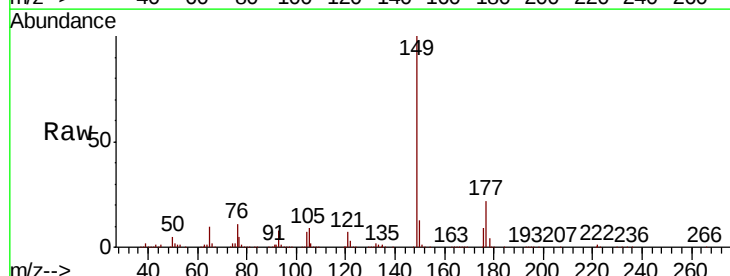
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:	232	Resp:	194987
Ion	Ratio	Lower	Upper
232	100		
131	41.1	33.8	50.8
130	2.2	1.8	2.6
166	27.6	23.0	34.4



#60
 Diethylphthalate
 Concen: 46.059 ng
 RT: 10.19 min Scan# 1377
 Delta R.T. -0.02 min
 Lab File: BF119211.D
 Acq: 5 Mar 2020 13:26

Tgt Ion:	149	Resp:	804062
Ion	Ratio	Lower	Upper
149	100		
177	22.4	18.2	27.2
150	12.9	10.5	15.7





#61

4-Chlorophenyl-phenylether

Concen: 46.221 ng

RT: 10.30 min Scan# 1397

Delta R.T. -0.02 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

Instrument :

BNA_F

ClientSampled :

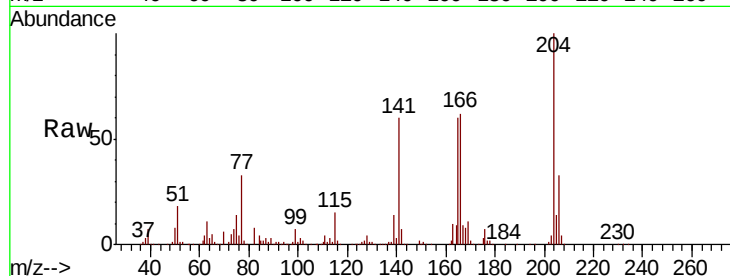
Tot Ion:204 Resp: 389900

Ion Ratio Lower Upper

204 100

206 32.8 27.1 40.7

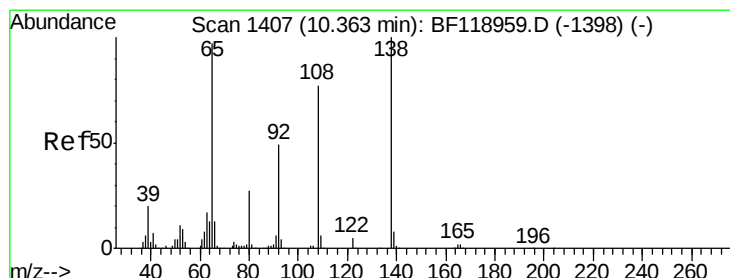
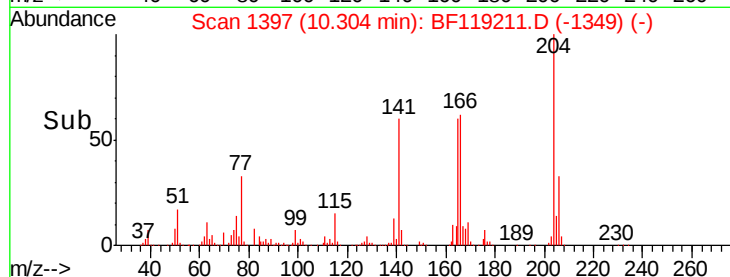
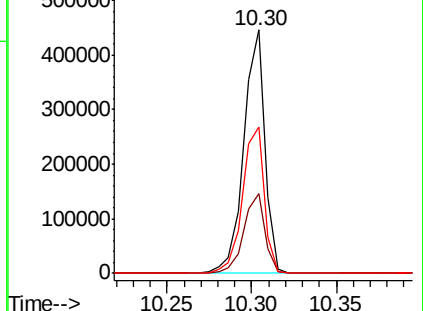
141 59.9 52.9 79.3



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62

4-Nitroaniline

Concen: 33.610 ng

RT: 10.35 min Scan# 1404

Delta R.T. -0.02 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

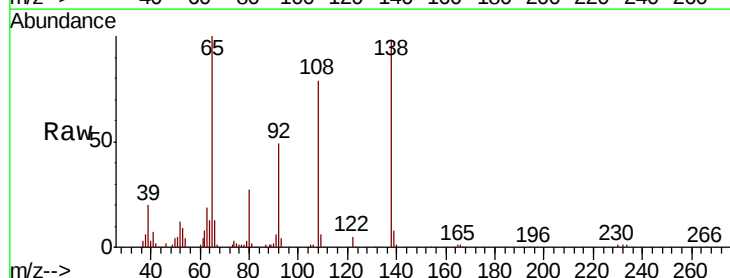
Tgt Ion:138 Resp: 156897

Ion Ratio Lower Upper

138 100

92 50.1 27.3 67.3

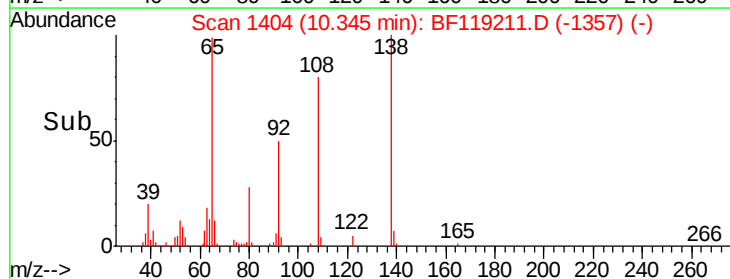
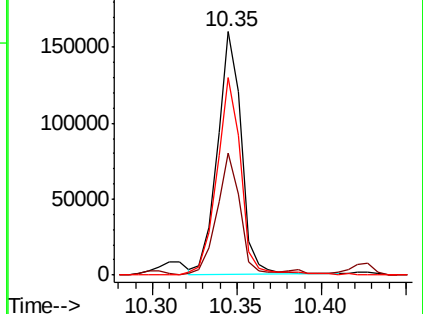
108 81.0 57.0 97.0

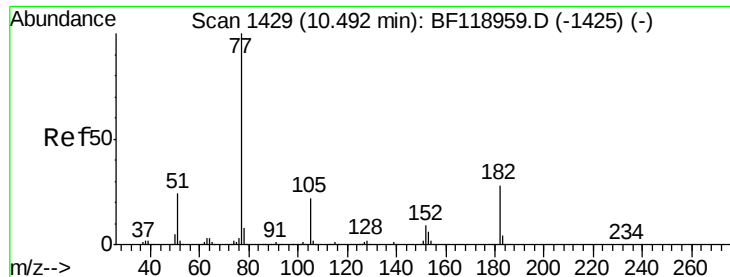


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 47.022 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.02 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 713519

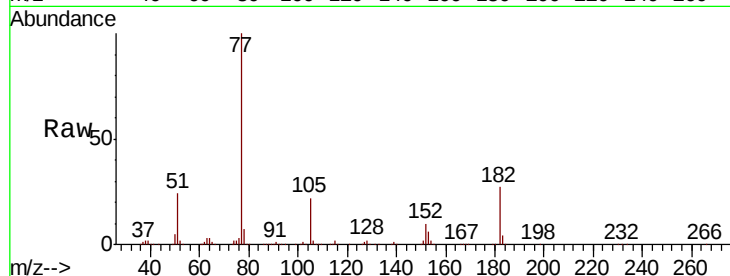
Ion Ratio Lower Upper

77 100

182 27.4 11.4 51.4

105 22.1 3.4 43.4

51 24.4 5.1 45.1

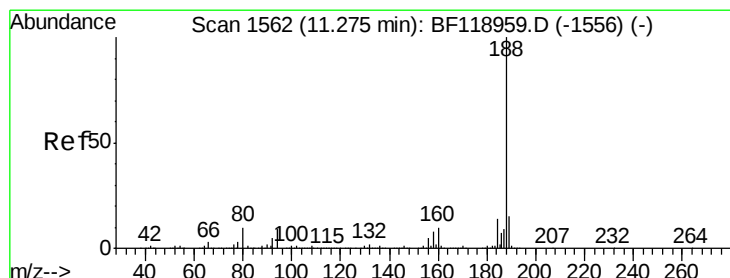
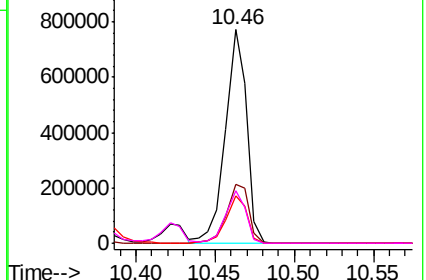
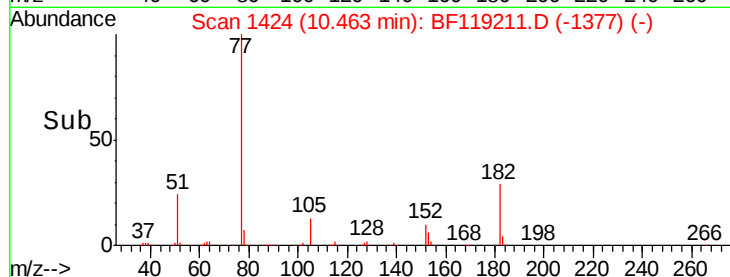


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

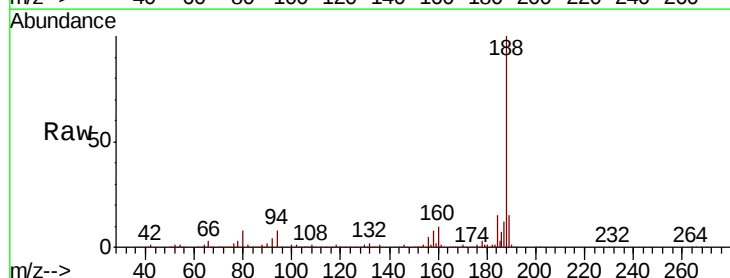
Tgt Ion: 188 Resp: 452927

Ion Ratio Lower Upper

188 100

94 7.7 7.1 10.7

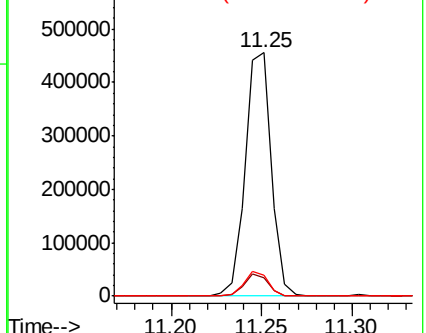
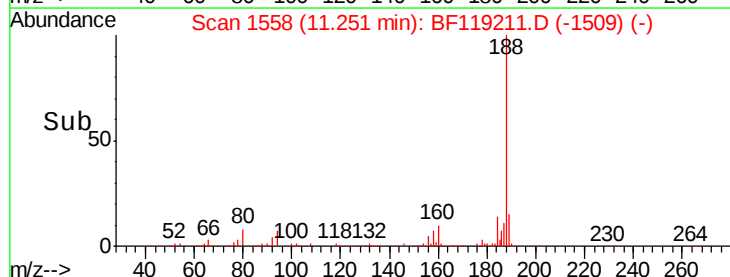
80 8.4 7.8 11.8

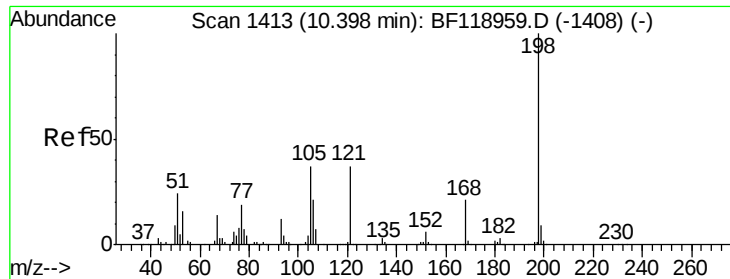


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

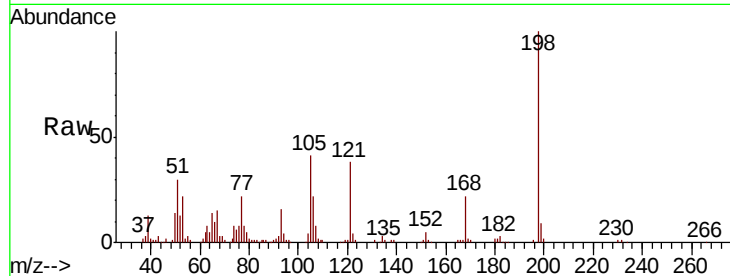




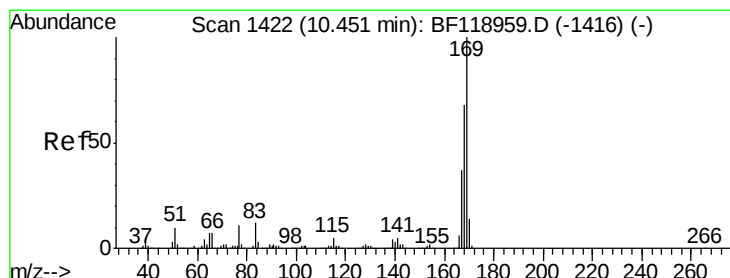
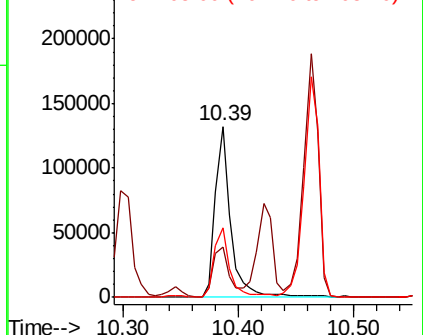
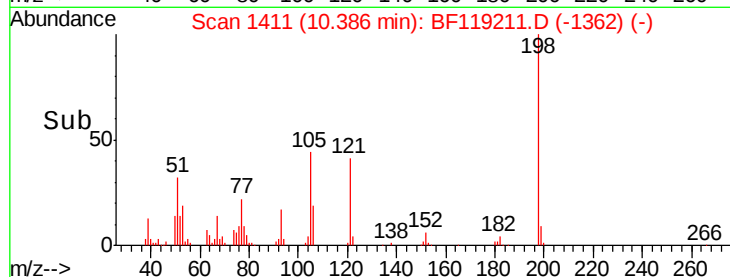
#65
4,6-Dinitro-2-methylphenol
Concen: 45.064 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.01 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 123509
Ion Ratio Lower Upper
198 100
51 29.7 14.2 54.2
105 40.7 22.7 62.7

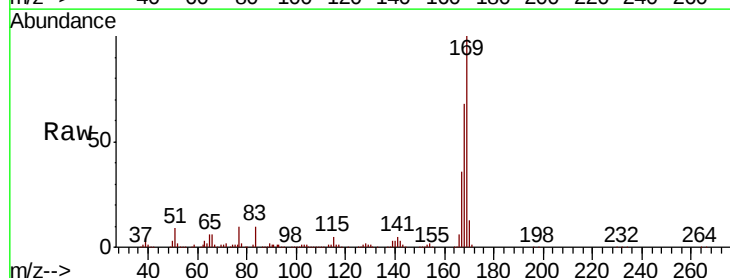


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

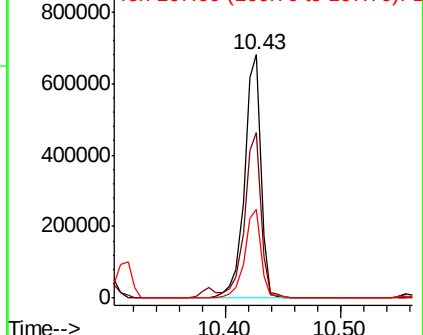
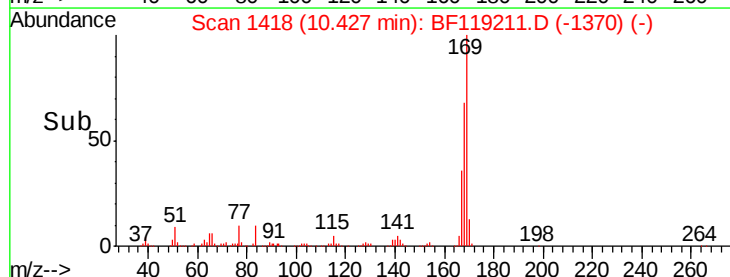


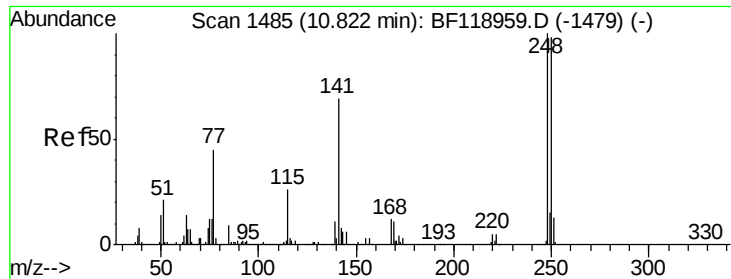
#66
n-Nitrosodiphenylamine
Concen: 45.128 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.02 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Tgt Ion:169 Resp: 669265
Ion Ratio Lower Upper
169 100
168 67.9 54.1 81.1
167 36.3 29.4 44.0



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

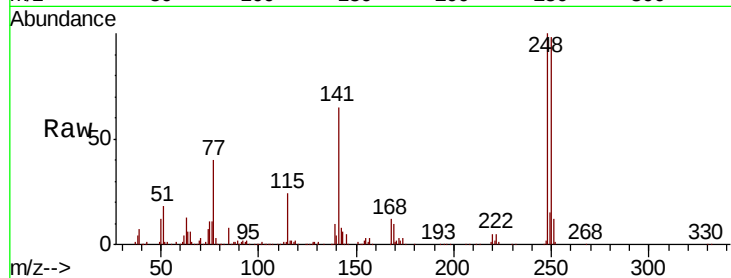




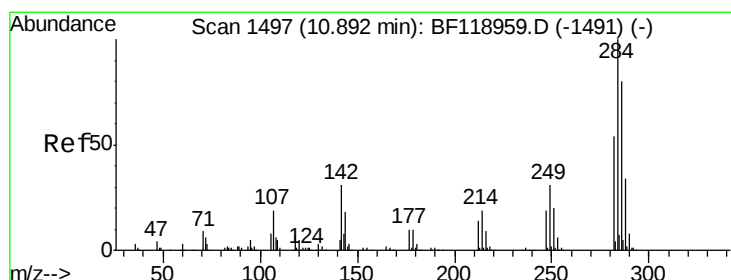
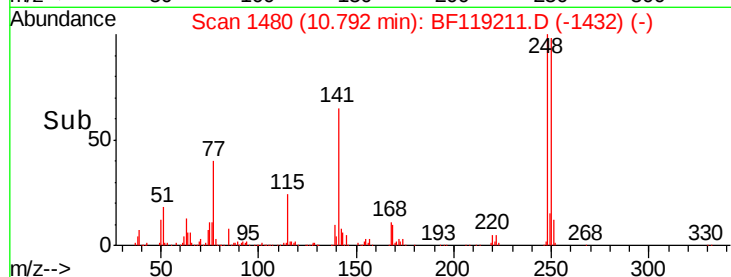
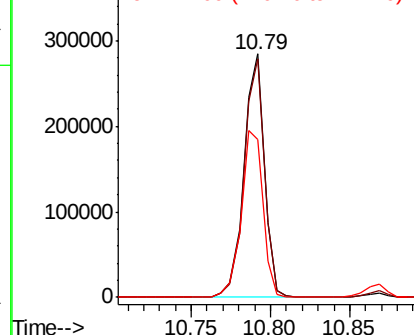
#67
4-Bromophenyl-phenylether
Concen: 42.869 ng
RT: 10.79 min Scan# 1480
Delta R.T. -0.02 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 253800
Ion Ratio Lower Upper
248 100
250 98.0 76.7 115.1
141 64.8 60.7 91.1

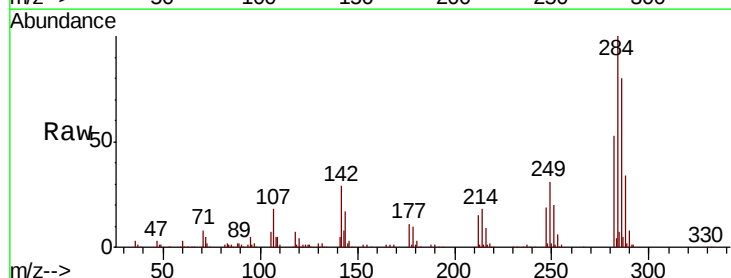


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

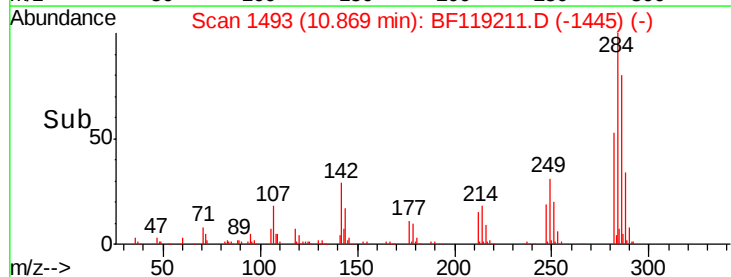
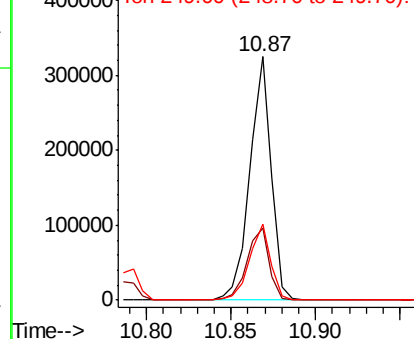


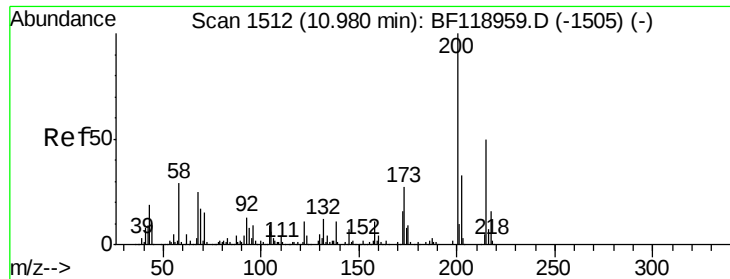
#68
Hexachlorobenzene
Concen: 42.096 ng
RT: 10.87 min Scan# 1493
Delta R.T. -0.02 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Tgt Ion:284 Resp: 287343
Ion Ratio Lower Upper
284 100
142 29.4 23.7 35.5
249 31.1 25.0 37.6



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

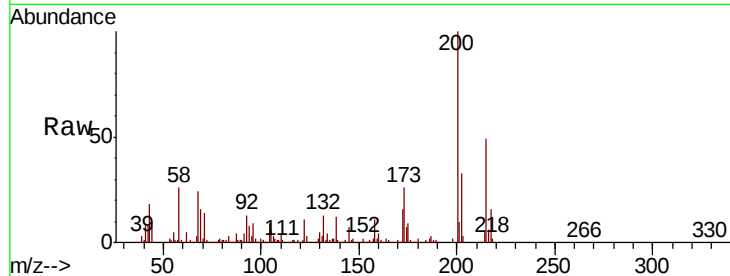




#69
Atrazine
Concen: 45.159 ng
RT: 10.96 min Scan# 1508
Delta R.T. -0.02 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.4	6.4	46.4
215	49.4	27.4	67.4

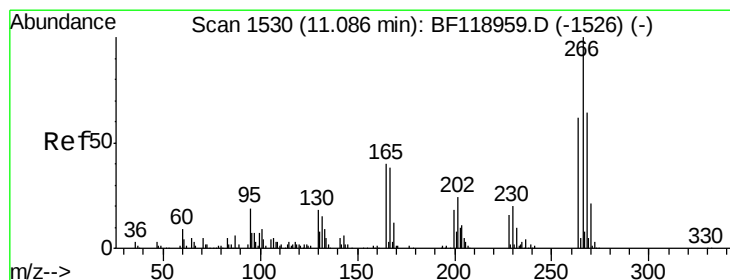
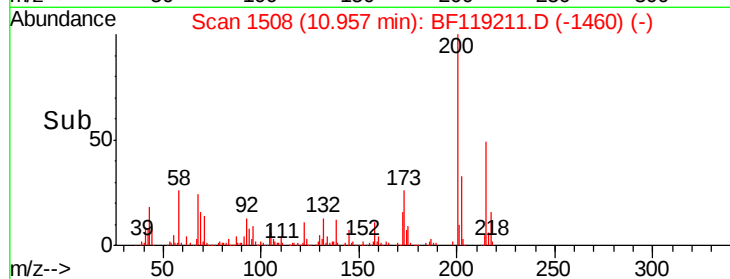
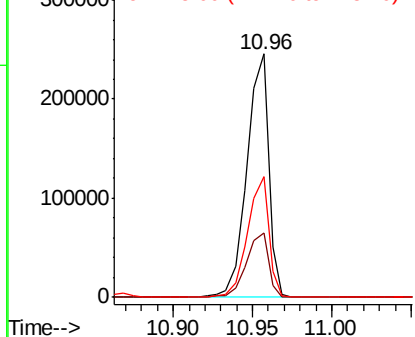


Abundance

Ion 200.00 (199.70 to 200.70): E

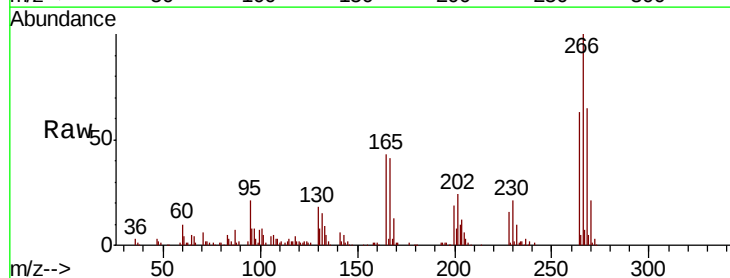
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 66.048 ng
RT: 11.07 min Scan# 1527
Delta R.T. -0.01 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.1	51.9	77.9
264	63.3	51.0	76.4

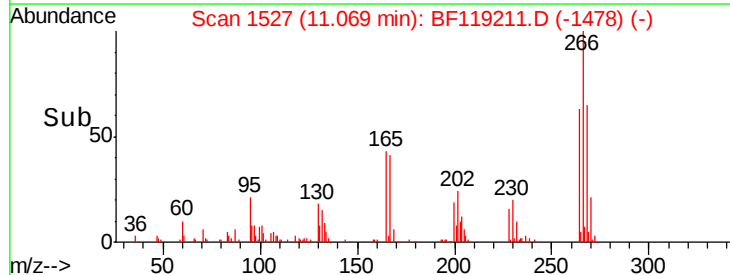
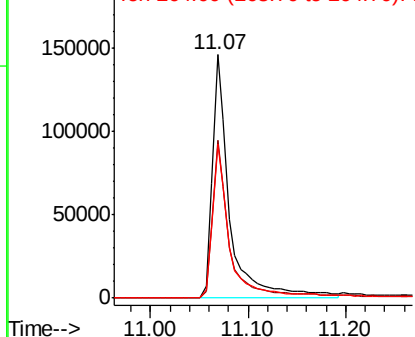


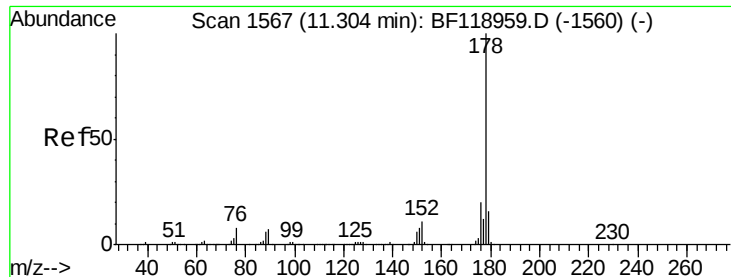
Abundance

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

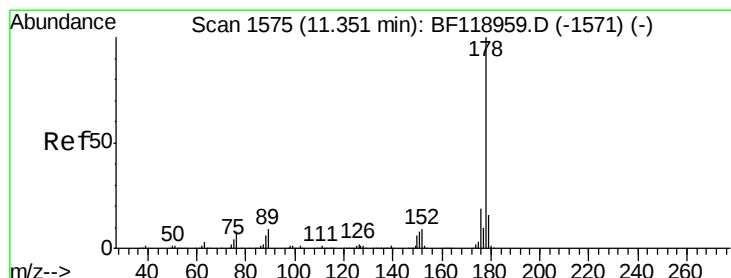
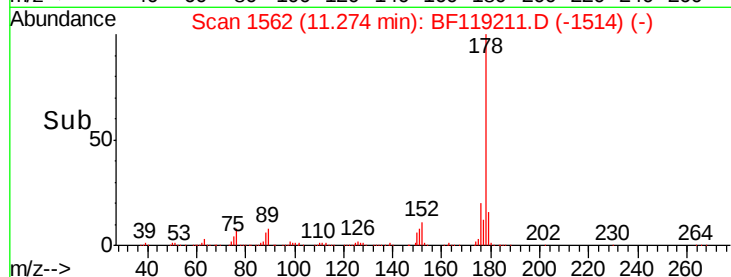
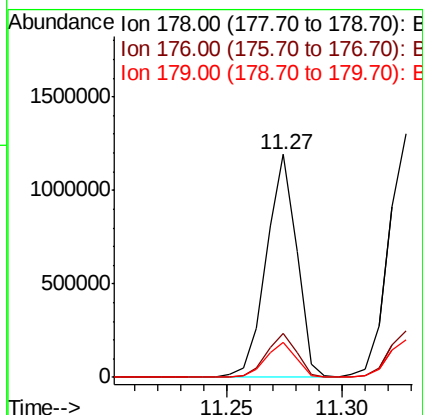
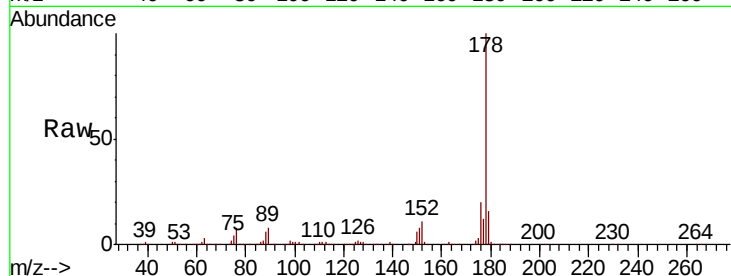




#71
Phenanthrene
Concen: 44.210 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

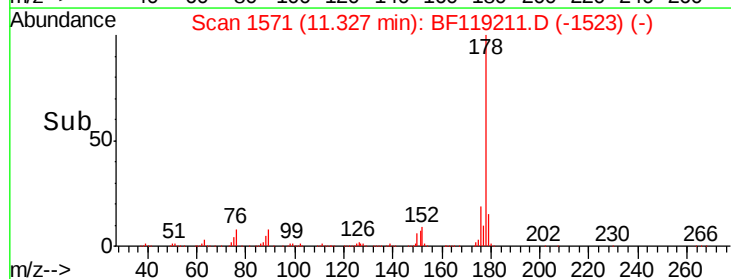
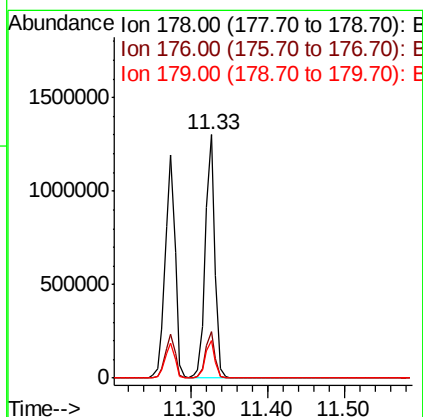
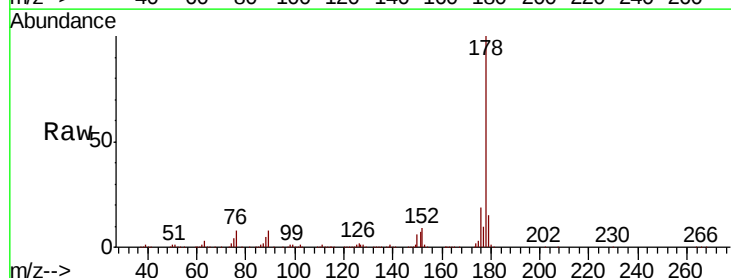
Instrument :
BNA_F
ClientSampleId :

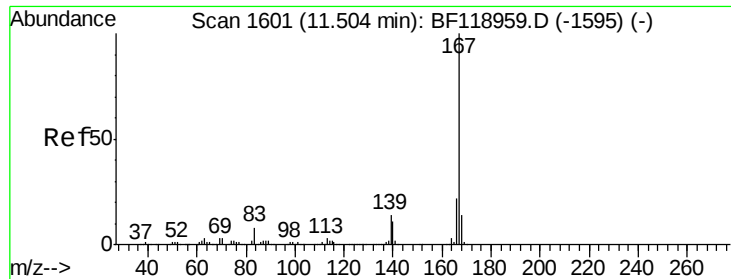
Tot Ion:178 Resp: 1091994
Ion Ratio Lower Upper
178 100
176 19.8 16.5 24.7
179 15.5 13.0 19.6



#72
Anthracene
Concen: 45.593 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.02 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Tgt Ion:178 Resp: 1125234
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.4 13.1 19.7

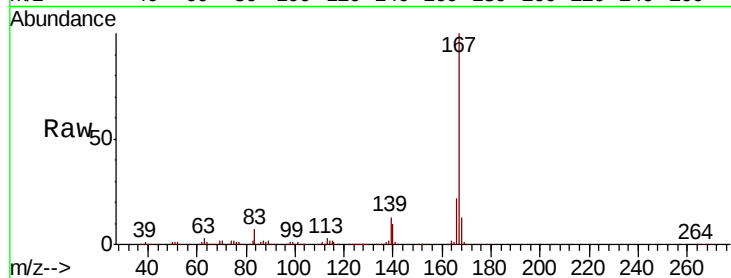




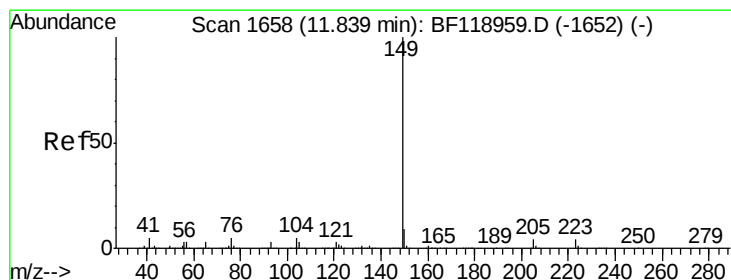
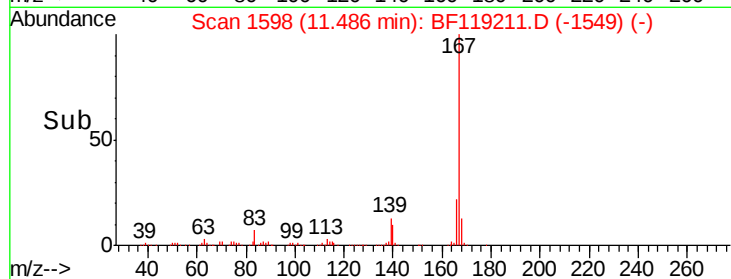
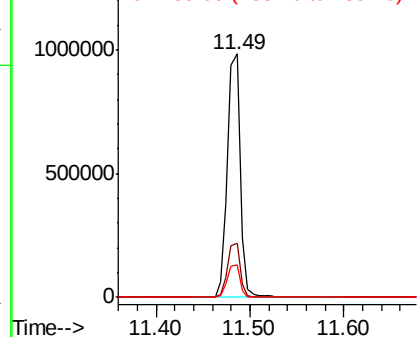
#73
 Carbazole
 Concen: 43.132 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF119211.D
 Acq: 5 Mar 2020 13:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.0	18.2	27.4
139	13.2	11.7	17.5

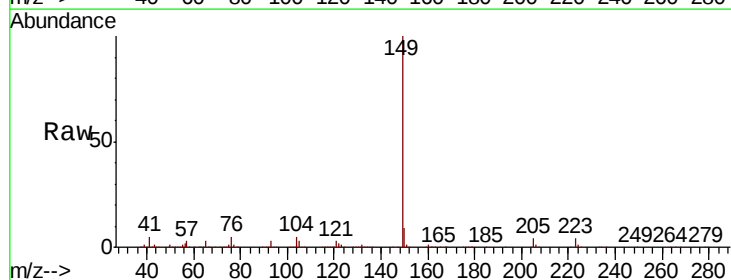


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

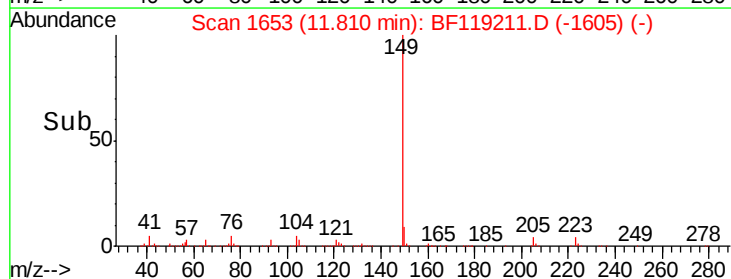
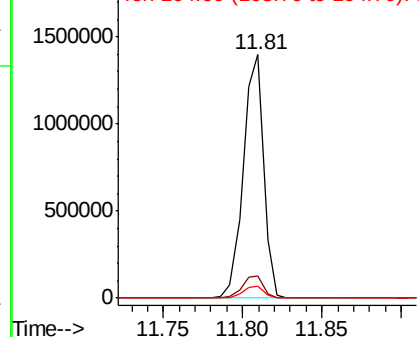


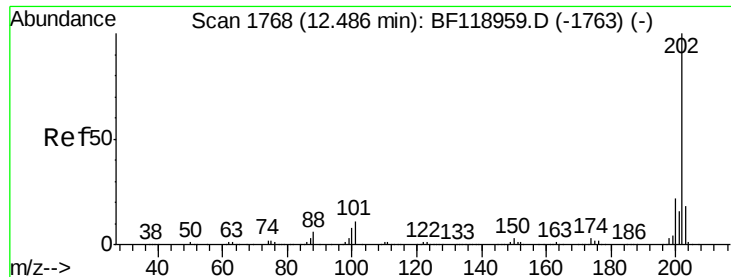
#74
 Di-n-butylphthalate
 Concen: 46.420 ng
 RT: 11.81 min Scan# 1653
 Delta R.T. -0.02 min
 Lab File: BF119211.D
 Acq: 5 Mar 2020 13:26

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.9	11.9
104	5.0	4.6	6.8



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

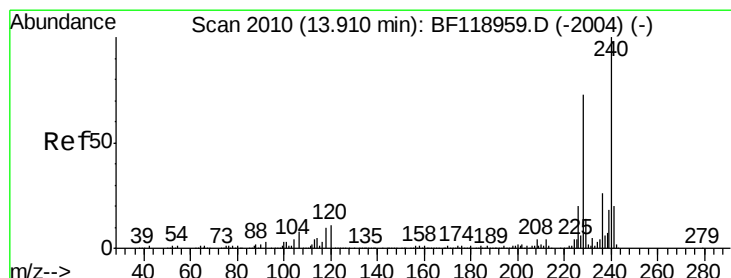
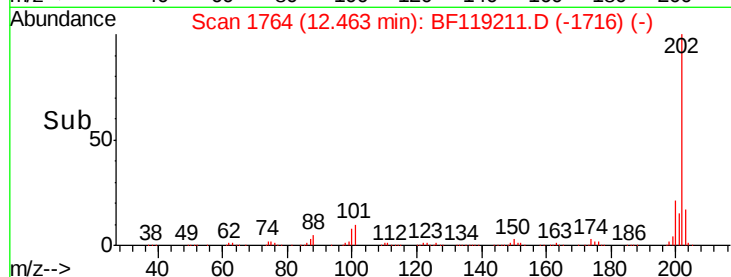
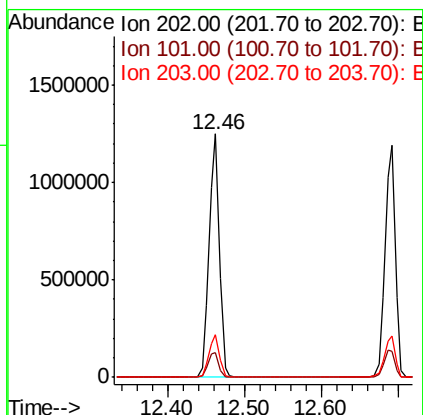
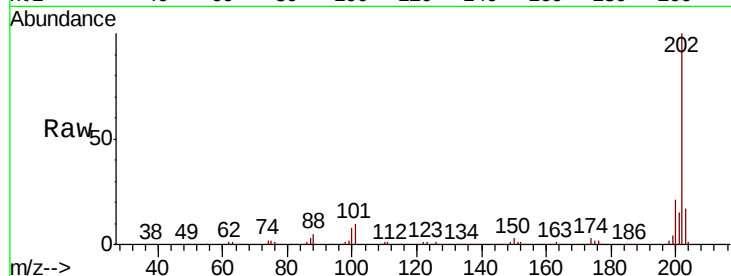




#75
Fluoranthene
Concen: 43.454 ng
RT: 12.46 min Scan# 1764
Delta R.T. -0.02 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

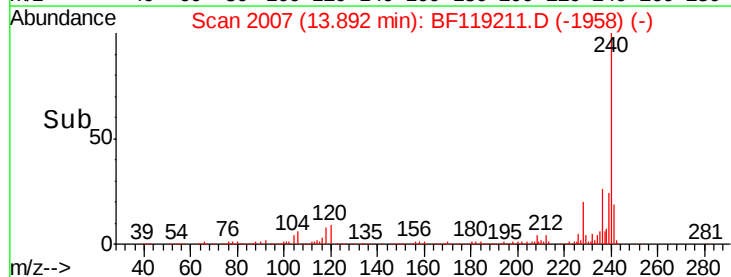
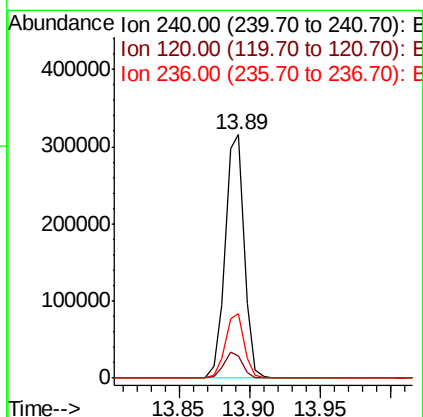
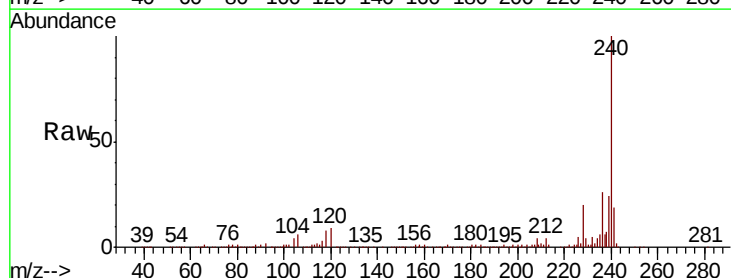
Instrument :
BNA_F
ClientSampleId :

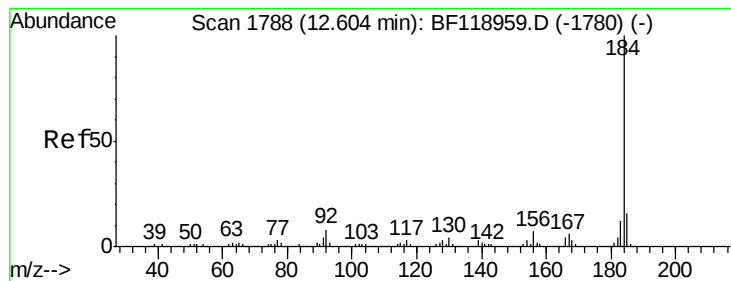
Tot Ion:202 Resp: 1139303
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.3
203 17.4 0.0 38.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Tgt Ion:240 Resp: 295944
Ion Ratio Lower Upper
240 100
120 8.9 8.4 12.6
236 26.2 21.0 31.4





#77

Benzidine

Concen: 31.207 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.02 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

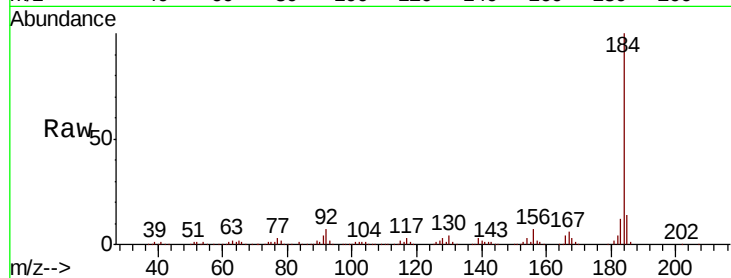
Instrument :

BNA_F

ClientSampled :

Tot Ion:184 Resp: 375597

Ion	Ratio	Lower	Upper
184	100		
185	14.3	12.2	18.4
183	11.8	9.9	14.9

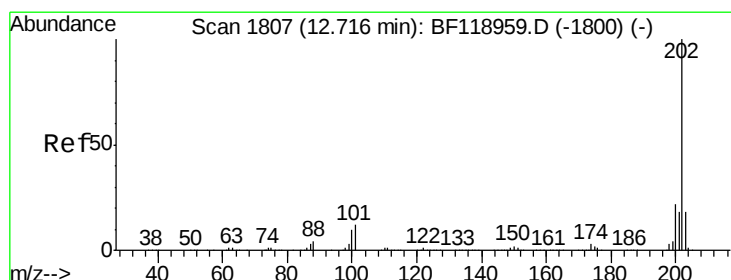
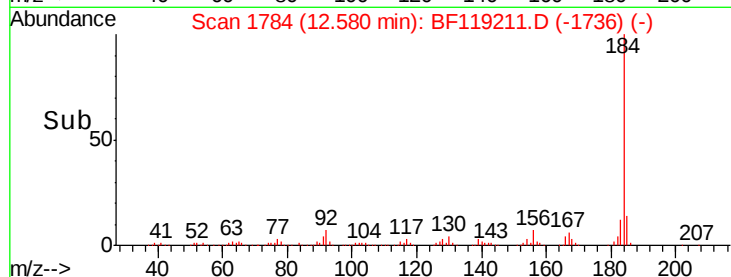
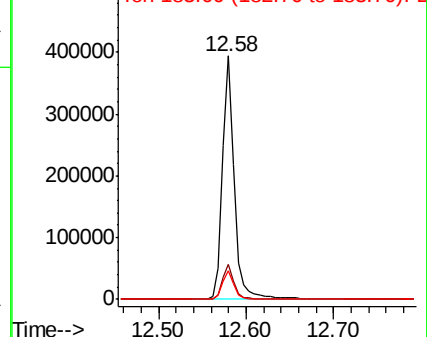


Abundance

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: 47.093 ng

RT: 12.69 min Scan# 1803

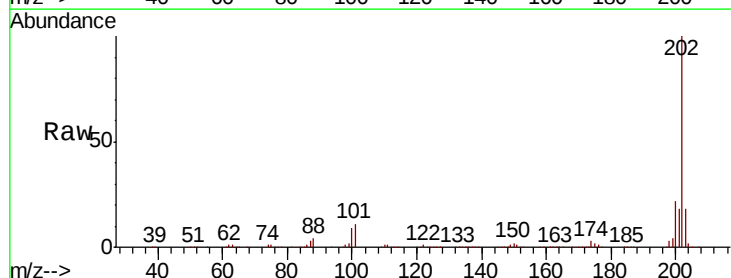
Delta R.T. -0.02 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

Tgt Ion:202 Resp: 1119117

Ion	Ratio	Lower	Upper
202	100		
200	21.6	18.0	27.0
203	17.7	14.6	22.0

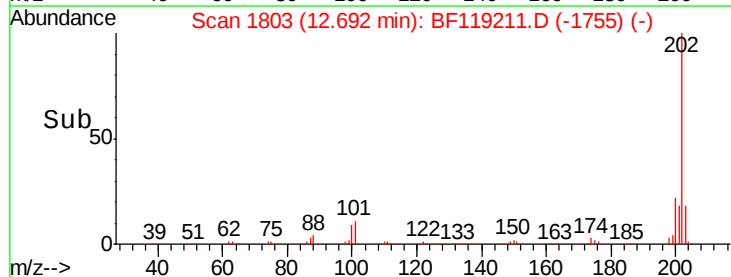
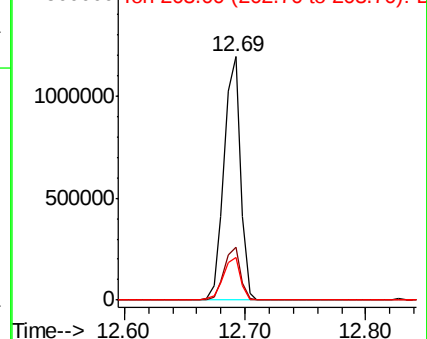


Abundance

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: 87.525 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

Instrument :

BNA_F

ClientSampleId :

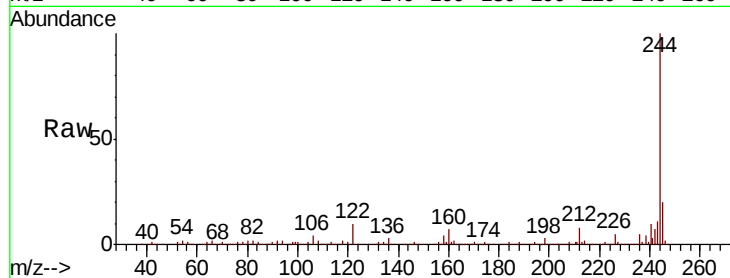
Tot Ion:244 Resp: 1504501

Ion Ratio Lower Upper

244 100

212 7.7 6.6 10.0

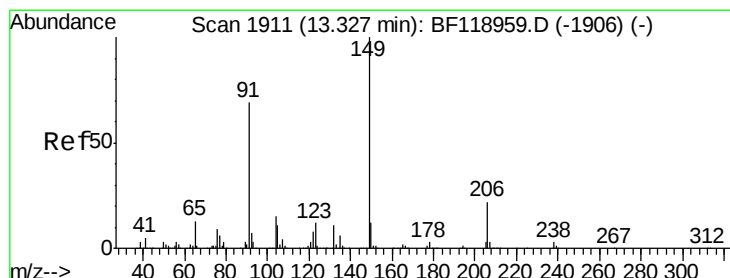
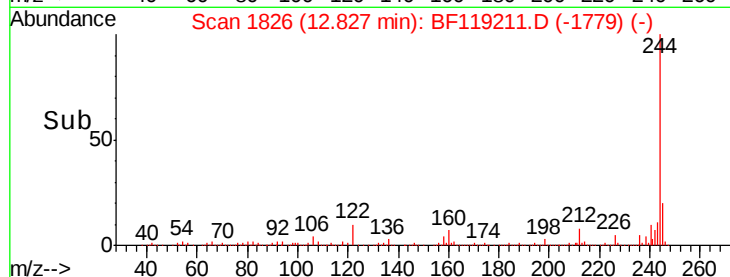
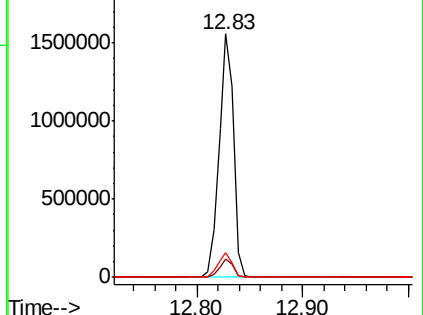
122 10.4 8.2 12.2



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: 48.175 ng

RT: 13.30 min Scan# 1906

Delta R.T. -0.02 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

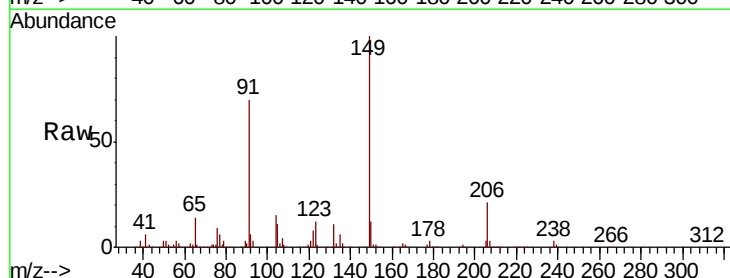
Tgt Ion:149 Resp: 481829

Ion Ratio Lower Upper

149 100

91 69.9 52.3 78.5

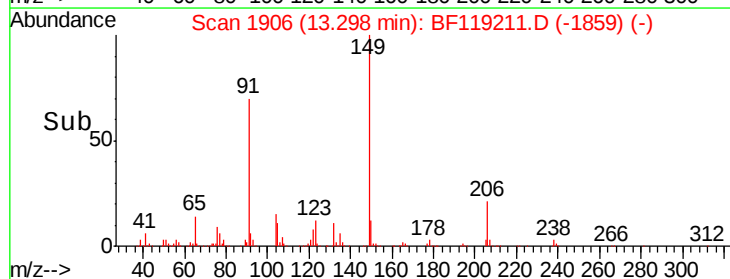
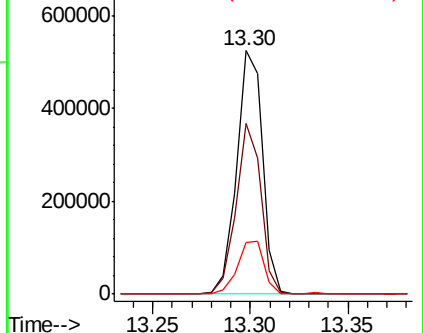
206 21.3 18.5 27.7



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: 45.455 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

Instrument :

BNA_F

ClientSampled :

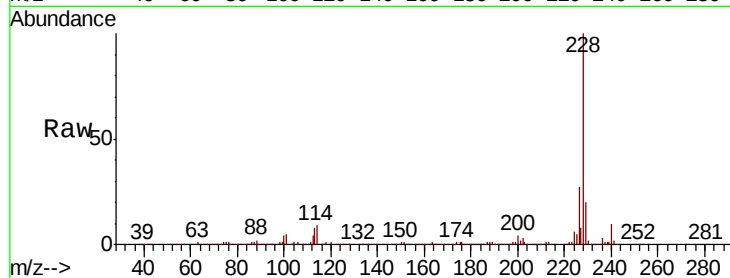
Tot Ion:228 Resp: 916577

Ion Ratio Lower Upper

228 100

226 27.4 22.6 33.8

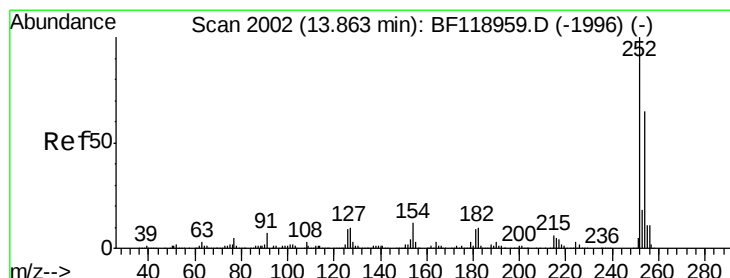
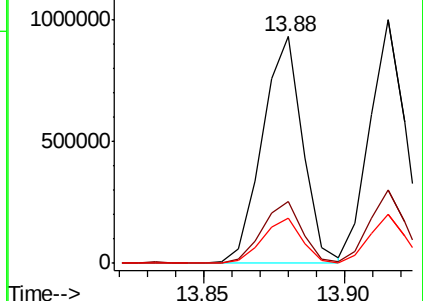
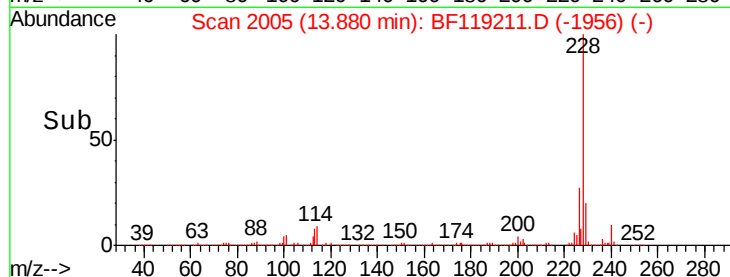
229 19.9 16.6 24.8



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



#82

3,3'-Dichlorobenzidine

Concen: 30.705 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.02 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

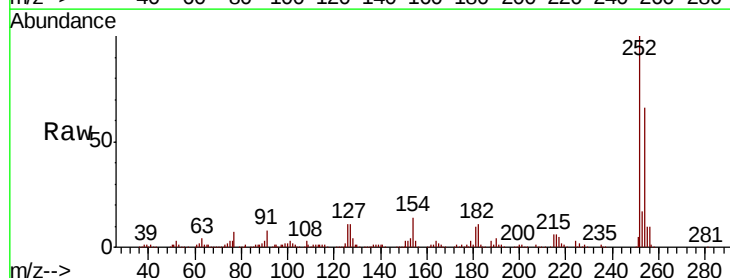
Tgt Ion:252 Resp: 240423

Ion Ratio Lower Upper

252 100

254 65.6 51.6 77.4

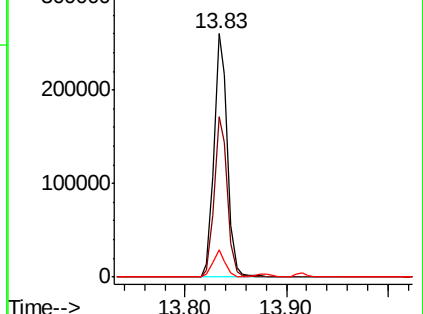
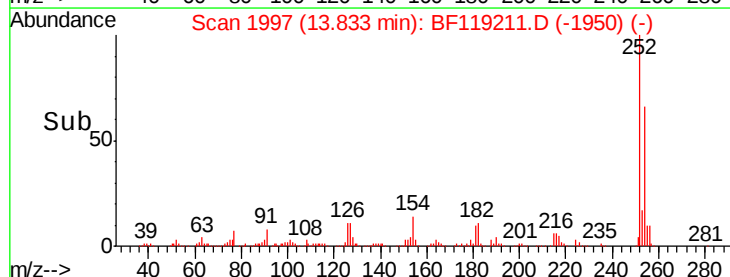
126 11.1 7.4 11.0#

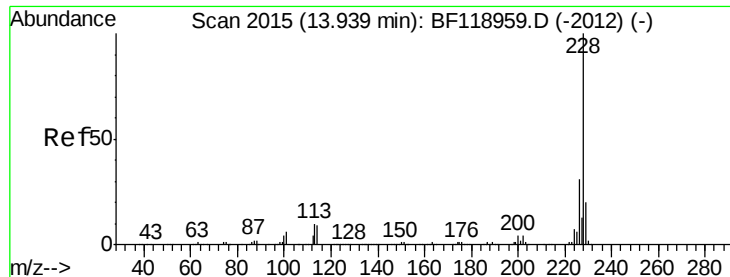


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

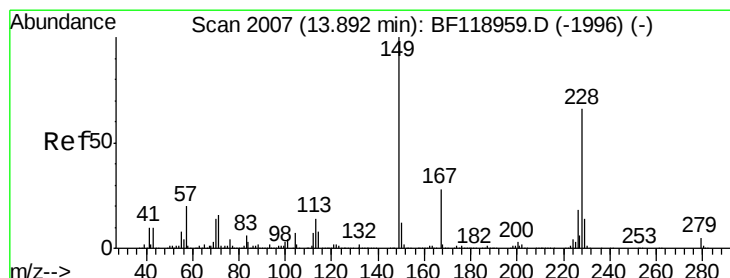
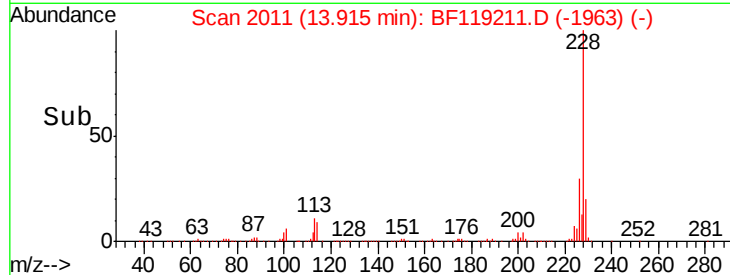
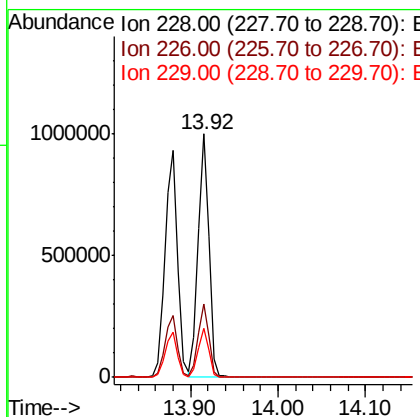
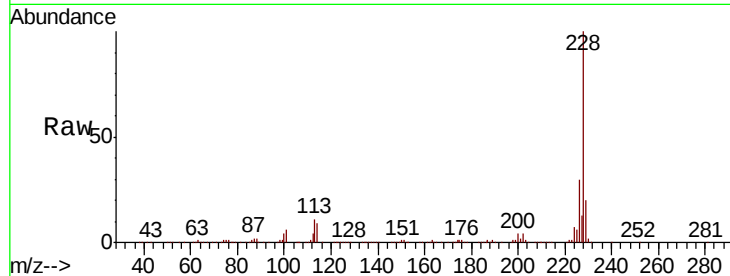




#83
 Chrvsene
 Concen: 43.098 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. -0.02 min
 Lab File: BF119211.D
 Acq: 5 Mar 2020 13:26

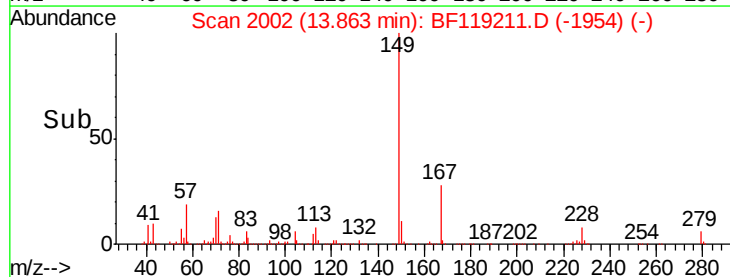
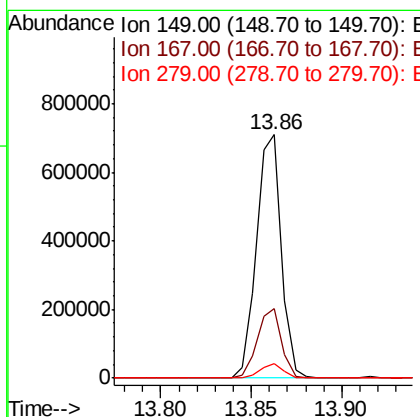
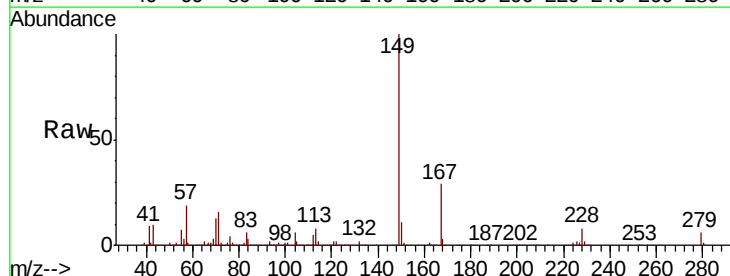
Instrument :
 BNA_F
 ClientSampled :

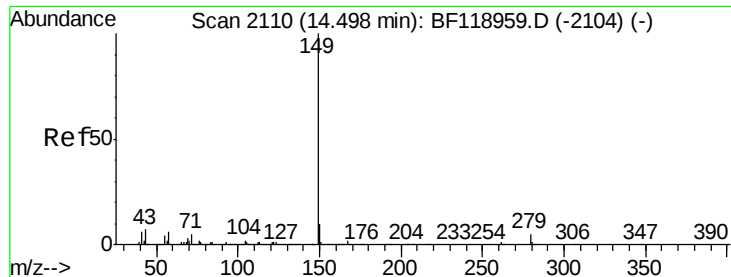
Tot Ion:228 Resp: 865936
 Ion Ratio Lower Upper
 228 100
 226 30.3 25.1 37.7
 229 20.0 16.3 24.5



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 53.480 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.02 min
 Lab File: BF119211.D
 Acq: 5 Mar 2020 13:26

Tgt Ion:149 Resp: 675754
 Ion Ratio Lower Upper
 149 100
 167 28.6 22.8 34.2
 279 5.8 4.6 6.8





#85

Di-n-octyl phthalate

Concen: 50.812 ng

RT: 14.47 min Scan# 2105

Delta R.T. -0.02 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

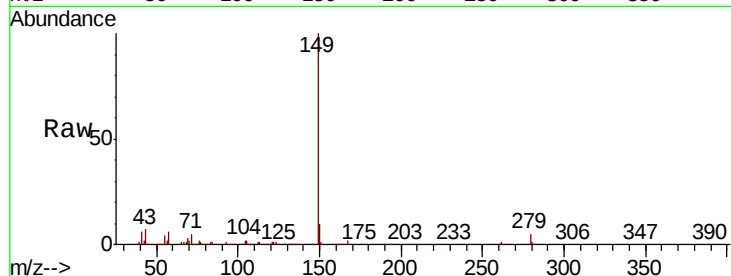
Instrument :

BNA_F

ClientSampleId :

Tot Ion:149 Resp: 1022954

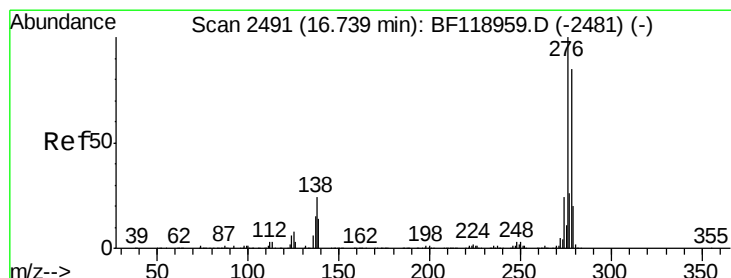
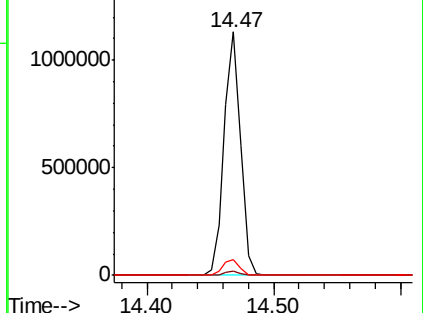
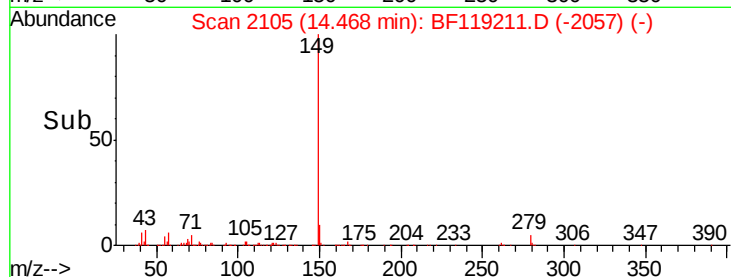
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	6.6	5.7	8.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 39.895 ng

RT: 16.72 min Scan# 2488

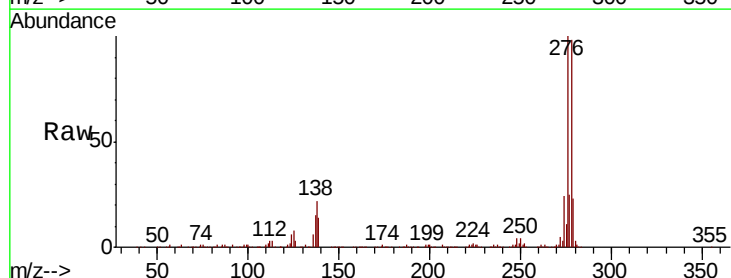
Delta R.T. -0.02 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

Tgt Ion:276 Resp: 776161

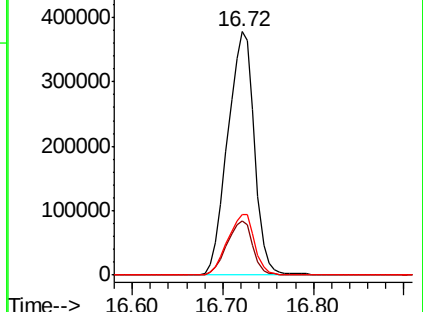
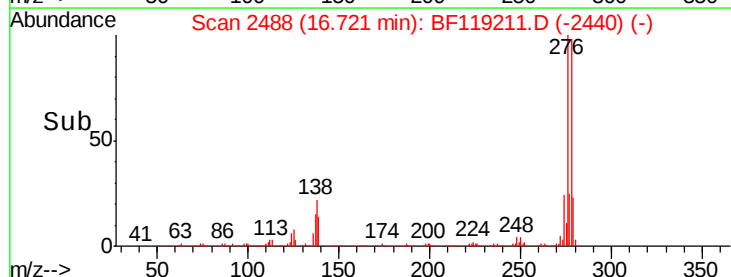
Ion	Ratio	Lower	Upper
276	100		
138	21.7	17.4	26.0
277	25.2	20.3	30.5

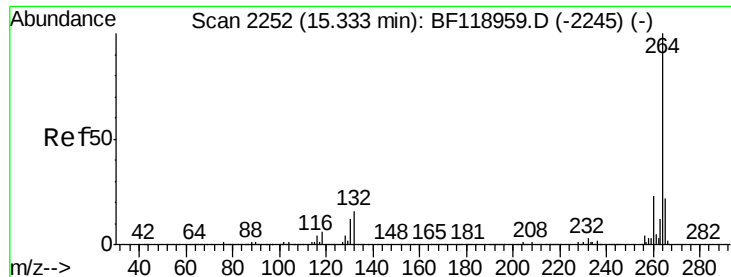


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



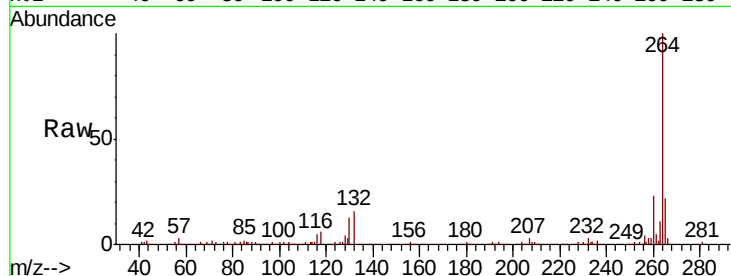


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. -0.01 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

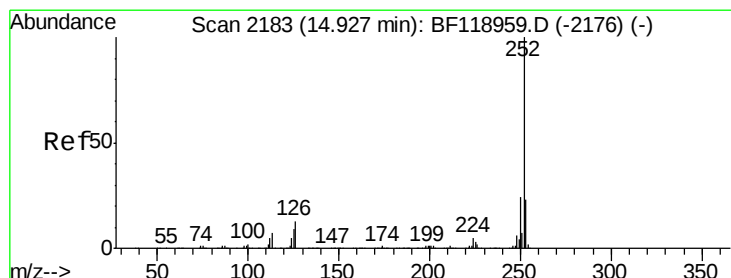
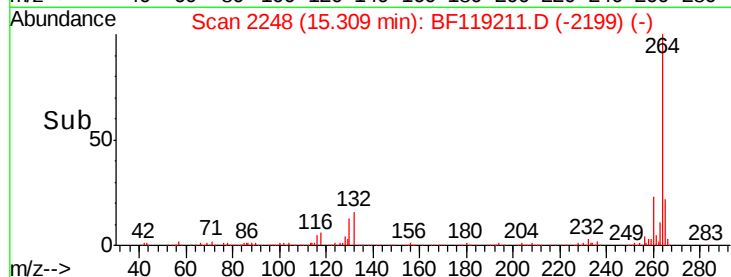
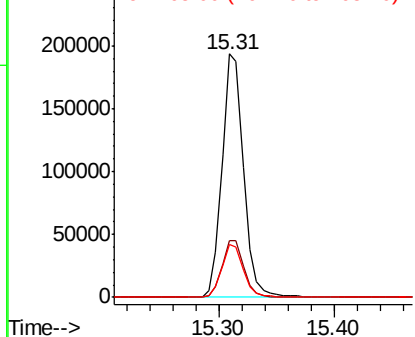
Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 249744

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.2
265	21.8	17.7	26.5



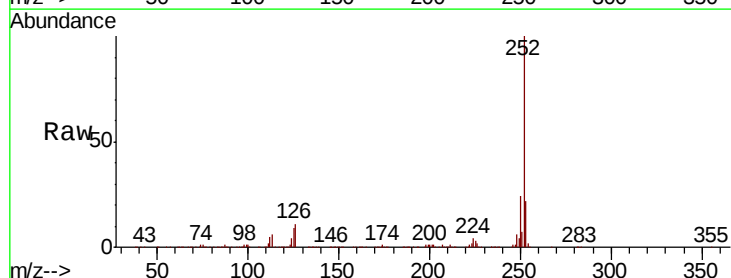
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



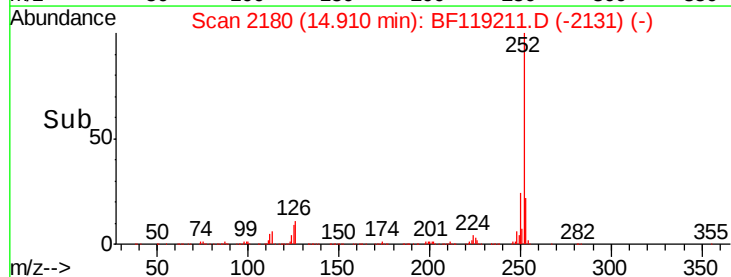
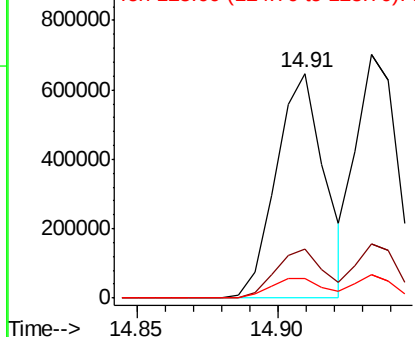
#88
Benzo(b)fluoranthene
Concen: 46.888 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

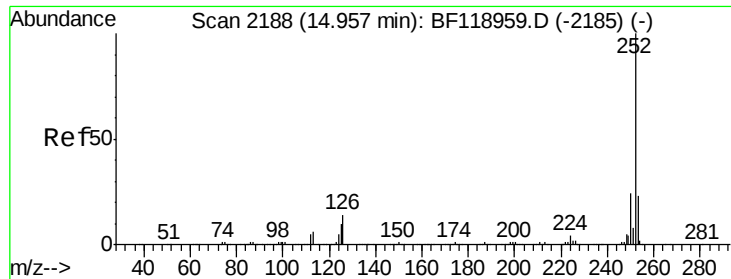
Tgt Ion:252 Resp: 771857

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	8.9	7.4	11.0



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

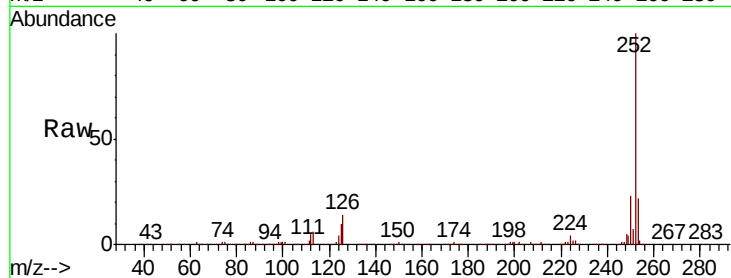




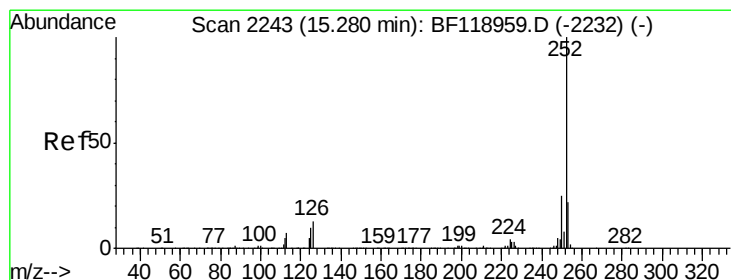
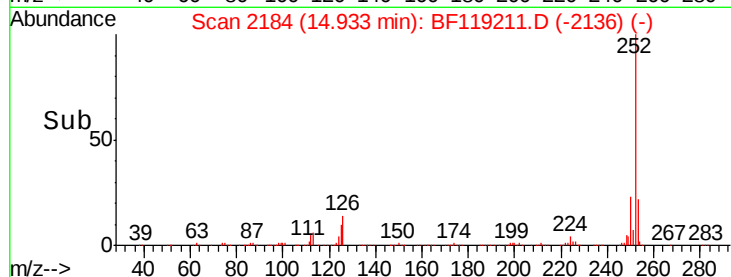
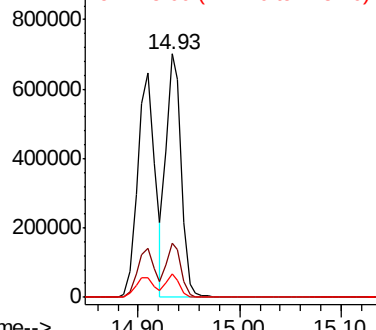
#89
Benzo(k)fluoranthene
Concen: 47.226 ng
RT: 14.93 min Scan# 2184
Delta R.T. -0.02 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 720447
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 9.8 7.5 11.3

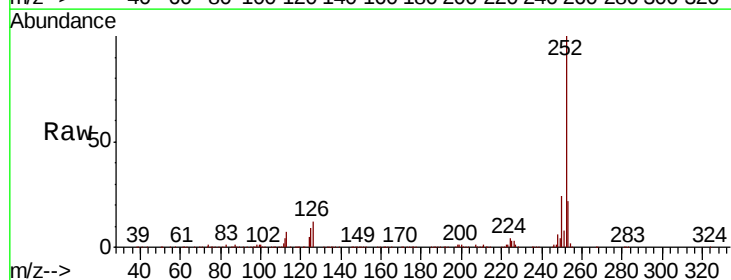


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

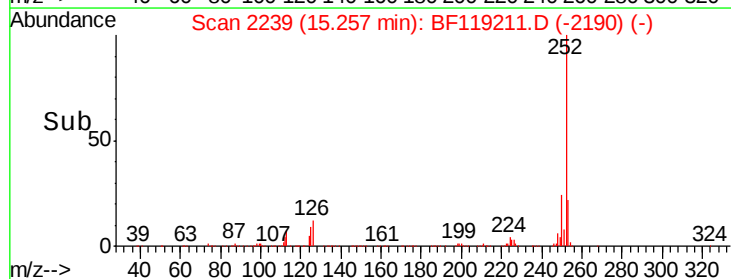
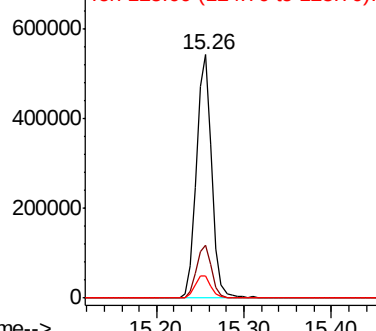


#90
Benzo(a)pyrene
Concen: 44.255 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF119211.D
Acq: 5 Mar 2020 13:26

Tgt Ion:252 Resp: 657505
Ion Ratio Lower Upper
252 100
253 21.8 18.0 27.0
125 9.3 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





#91

Dibenzo(a,h)anthracene

Concen: 49.999 ng

RT: 16.72 min Scan# 2488

Delta R.T. -0.02 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

Instrument :

BNA_F

ClientSampleId :

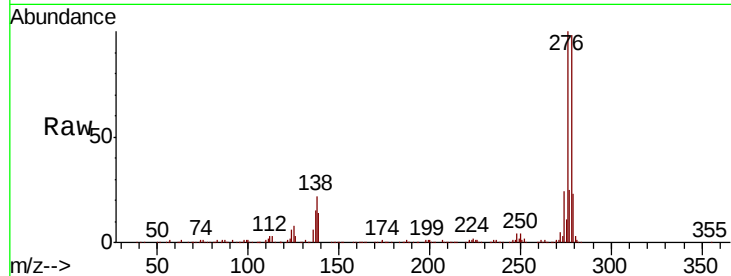
Tot Ion:278 Resp: 653610

Ion Ratio Lower Upper

278 100

139 14.2 11.0 16.4

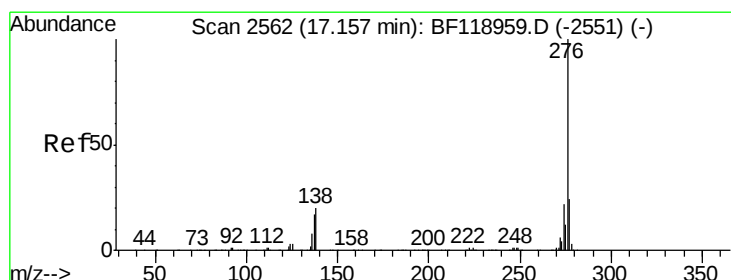
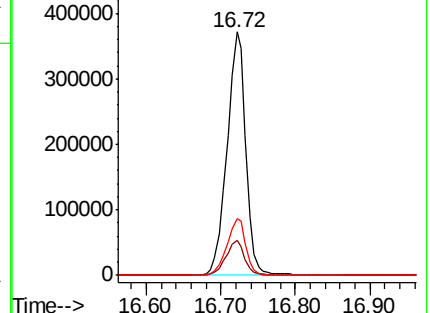
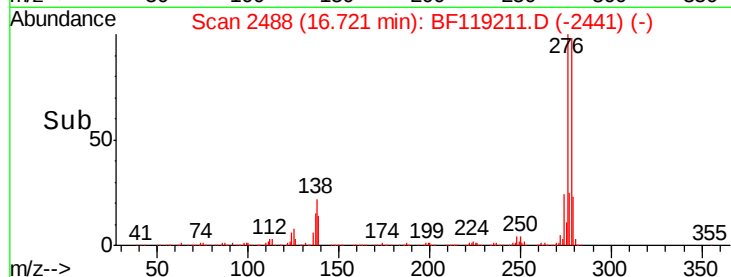
279 23.6 18.6 28.0



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 50.966 ng

RT: 17.14 min Scan# 2560

Delta R.T. -0.01 min

Lab File: BF119211.D

Acq: 5 Mar 2020 13:26

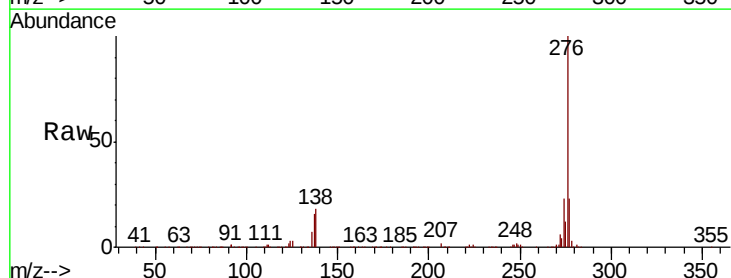
Tgt Ion:276 Resp: 658294

Ion Ratio Lower Upper

276 100

277 23.5 18.7 28.1

138 17.8 14.3 21.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

