

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
 Data File : BF112022.D
 Acq On : 11 Jan 2019 18:23
 Operator : JU/SJ
 Sample : K1118-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 11 21:24:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

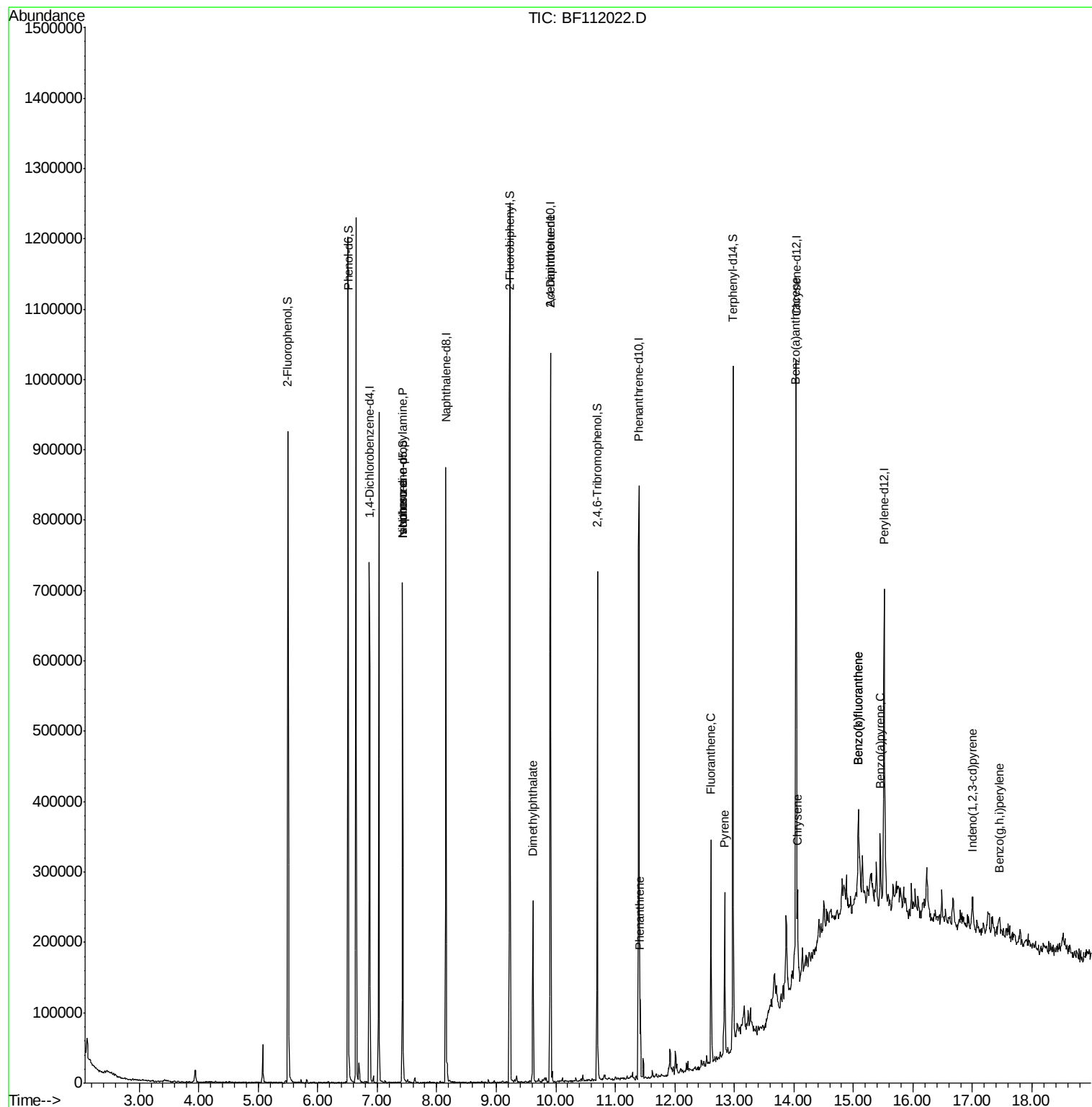
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	105177	20.00	ng	-0.02
21) Naphthalene-d8	8.16	136	403439	20.00	ng	-0.02
39) Acenaphthene-d10	9.91	164	183021	20.00	ng	-0.02
64) Phenanthrene-d10	11.40	188	310553	20.00	ng	-0.02
76) Chrysene-d12	14.04	240	289712	20.00	ng	-0.02
87) Perylene-d12	15.52	264	208618	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	262772	42.74	ng	-0.02
7) Phenol-d6	6.51	99	334036	42.16	ng	-0.02
23) Nitrobenzene-d5	7.43	82	203022	26.90	ng	-0.03
42) 2,4,6-Tribromophenol	10.70	330	84577	35.53	ng	-0.02
45) 2-Fluorobiphenyl	9.23	172	365069	29.09	ng	-0.02
79) Terphenyl-d14	12.97	244	323385	21.19	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	27632	5.367	ng	Qvalue # 75
25) Isophorone	7.43	82	203017	16.609	ng	# 65
50) Dimethylphthalate	9.62	163	91233	6.636	ng	98
57) 2,4-Dinitrotoluene	9.91	165	23304	5.866	ng	# 26
71) Phenanthrene	11.42	178	45455	2.738	ng	98
75) Fluoranthene	12.61	202	118888	6.975	ng	99
78) Pyrene	12.84	202	93310	4.681	ng	99
81) Benzo(a)anthracene	14.03	228	52105	3.125	ng	99
83) Chrysene	14.06	228	48763	3.067	ng	94
86) Indeno(1,2,3-cd)pyrene	17.00	276	24518	2.115	ng	99
88) Benzo(b)fluoranthene	15.08	252	83979	6.729	ng	# 94
89) Benzo(k)fluoranthene	15.08	252	83979	7.159	ng	# 95
90) Benzo(a)pyrene	15.45	252	42668	3.889	ng	# 94
92) Benzo(a,h,i)perylene	17.44	276	23458	2.718	ng	# 85

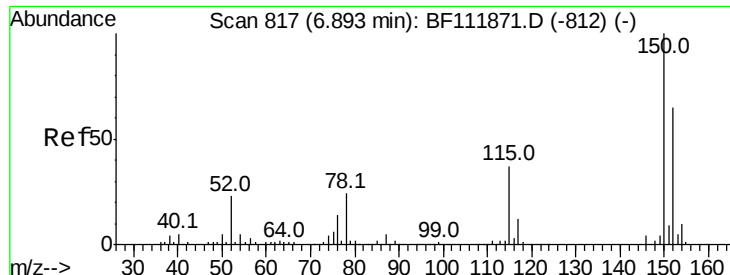
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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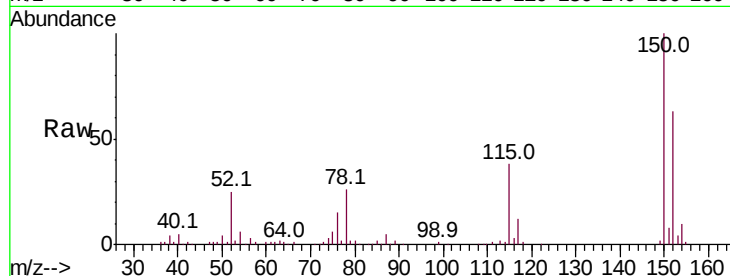


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.02 min
Lab File: BF112022.D
Acq: 11 Jan 2019 18:23

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	122.7	184.1
115	60.3	45.2	67.8

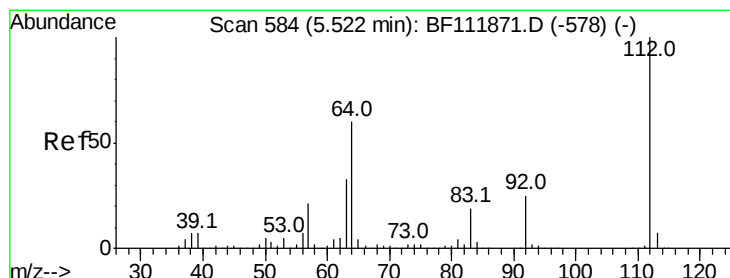
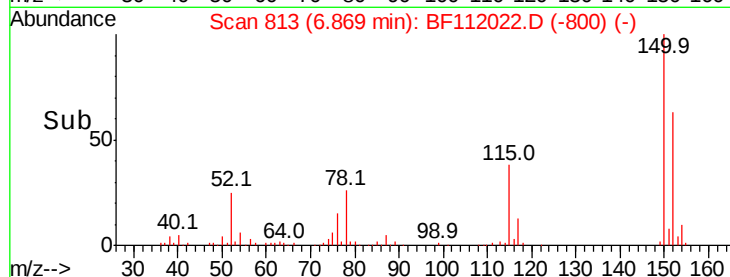
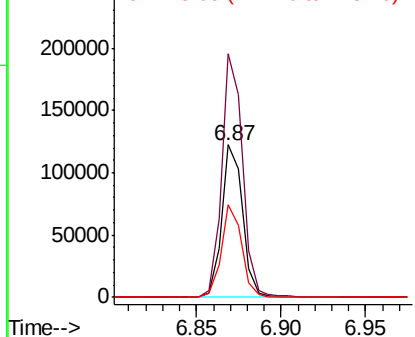


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

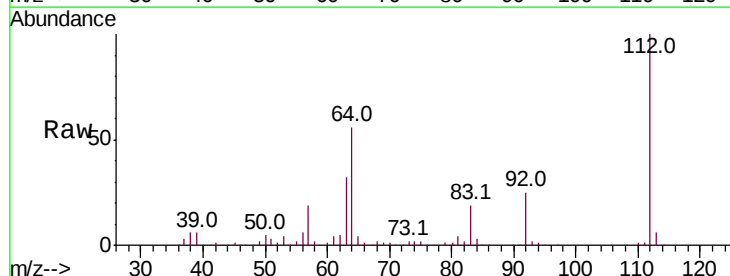
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 42.743 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.02 min
Lab File: BF112022.D
Acq: 11 Jan 2019 18:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	48.3	72.5
63	31.6	26.1	39.1

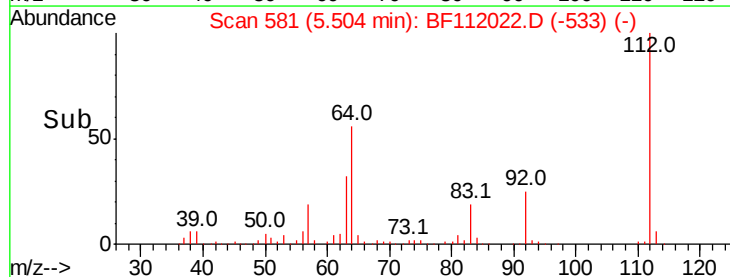
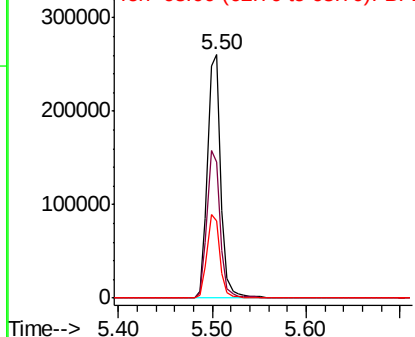


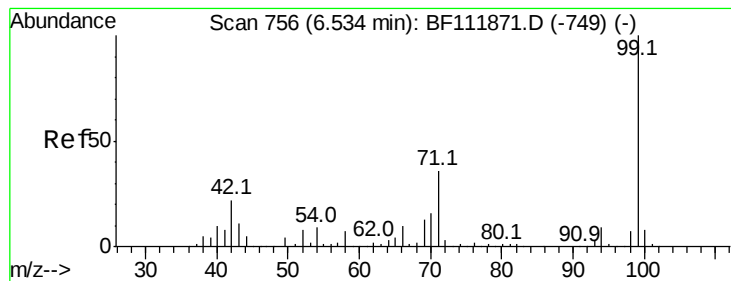
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 42.156 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.02 min

Lab File: BF112022.D

Acq: 11 Jan 2019 18:23

Instrument :

BNA_F

ClientSampleId :

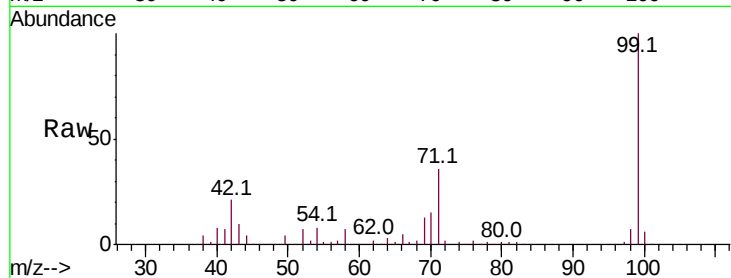
Tot Ion: 99 Resp: 334036

Ion Ratio Lower Upper

99 100

42 20.8 17.9 26.9

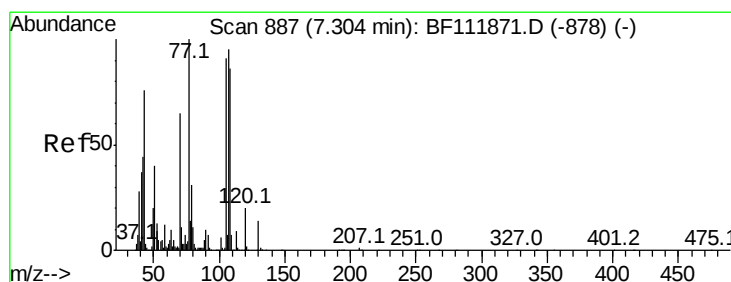
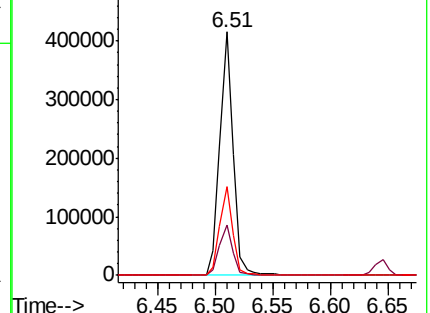
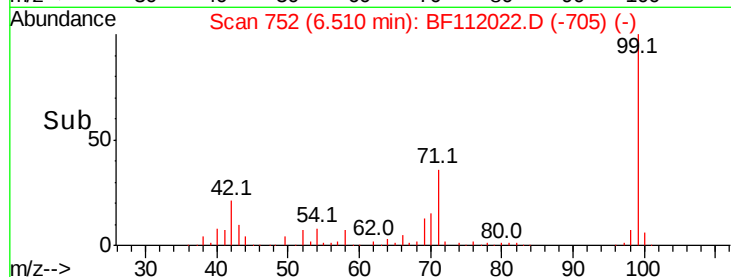
71 36.3 28.7 43.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.367 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.12 min

Lab File: BF112022.D

Acq: 11 Jan 2019 18:23

Tgt Ion: 70 Resp: 27632

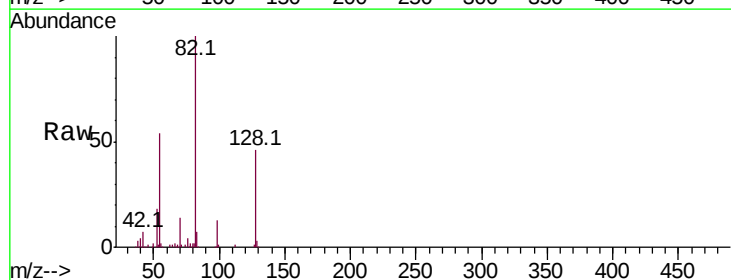
Ion Ratio Lower Upper

70 100

42 50.7 53.6 80.4#

101 0.0 7.3 10.9#

130 1.8 16.8 25.2#

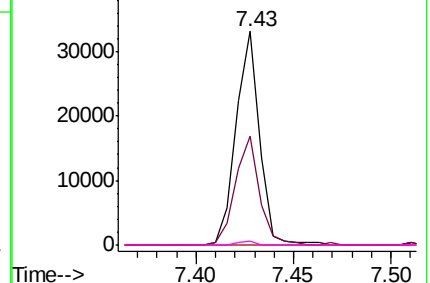
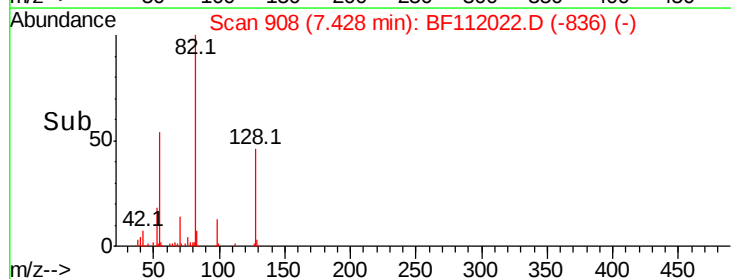


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF112022.D

Acq: 11 Jan 2019 18:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 403439

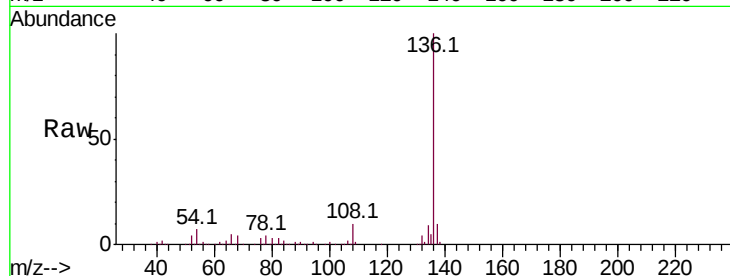
Ion Ratio Lower Upper

136 100

137 10.2 9.1 13.7

54 7.4 7.2 10.8

68 4.4 4.4 6.6

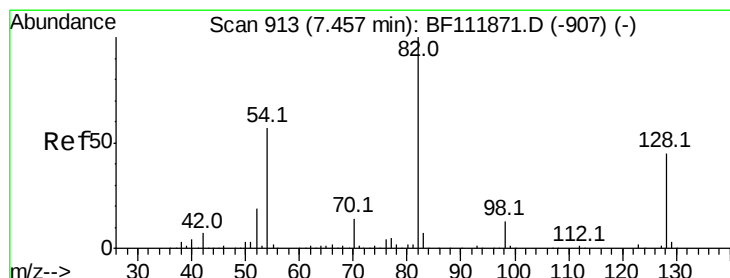
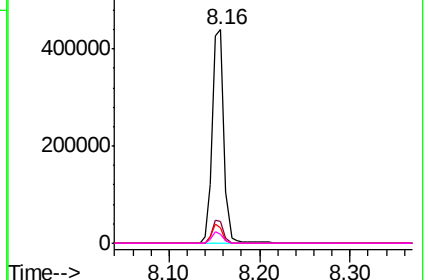
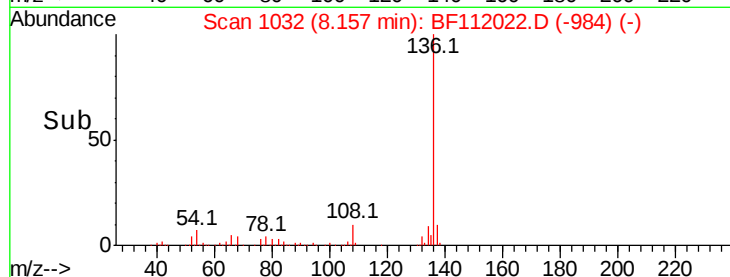


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 26.895 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.03 min

Lab File: BF112022.D

Acq: 11 Jan 2019 18:23

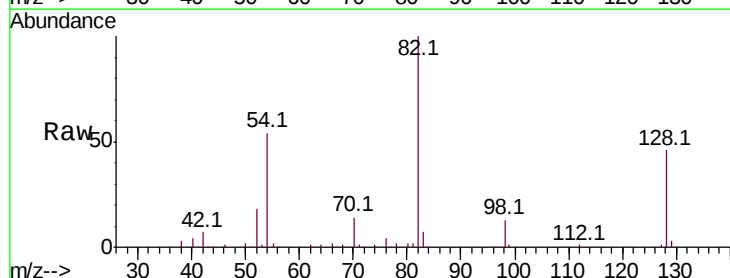
Tgt Ion: 82 Resp: 203022

Ion Ratio Lower Upper

82 100

128 45.9 35.7 53.5

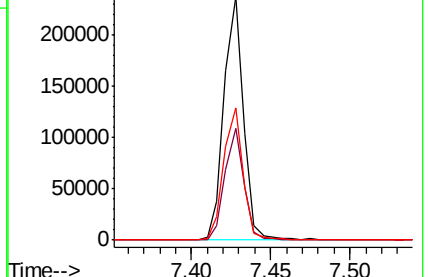
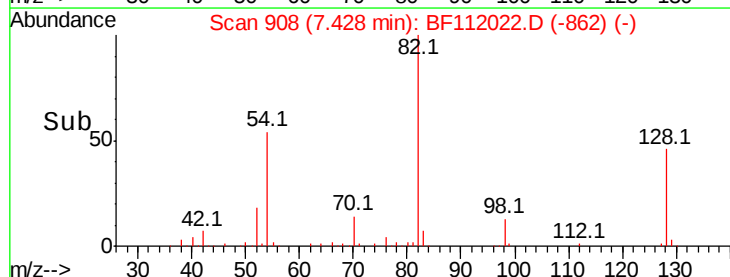
54 54.2 45.8 68.8

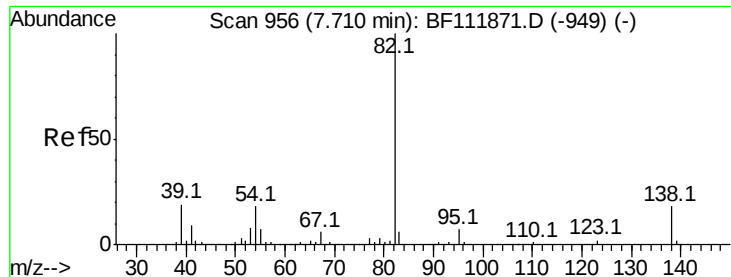


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 16.609 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.28 min

Lab File: BF112022.D

Acq: 11 Jan 2019 18:23

Instrument :

BNA_F

ClientSampleId :

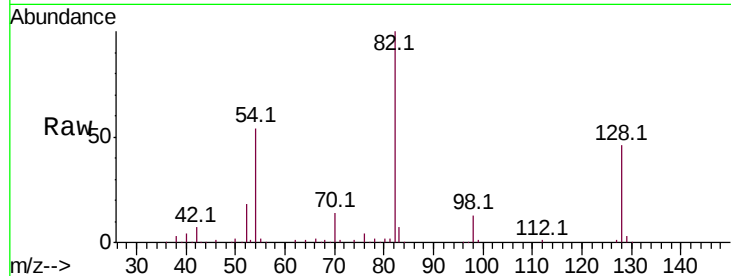
Tot Ion: 82 Resp: 203017

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

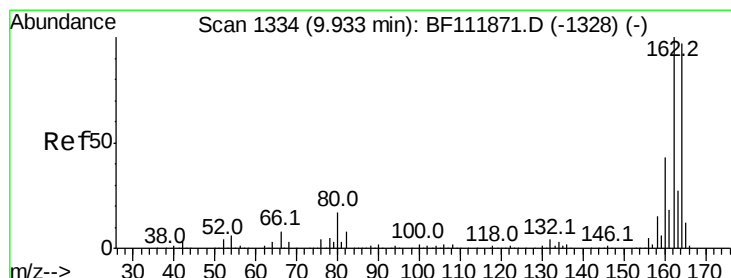
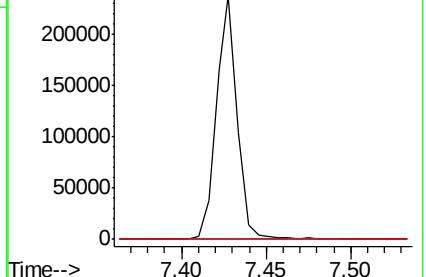
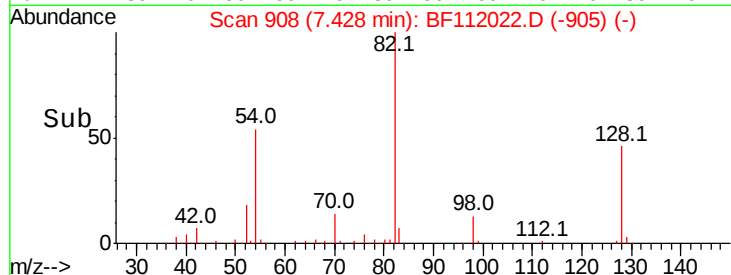
138 0.0 14.4 21.6#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.02 min

Lab File: BF112022.D

Acq: 11 Jan 2019 18:23

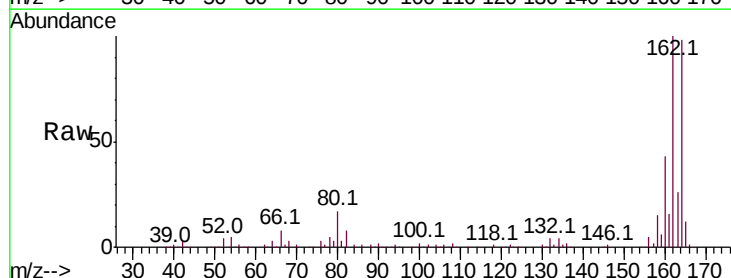
Tgt Ion: 164 Resp: 183021

Ion Ratio Lower Upper

164 100

162 102.4 82.2 123.2

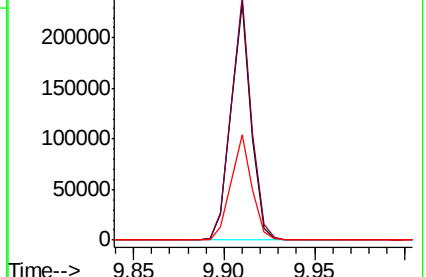
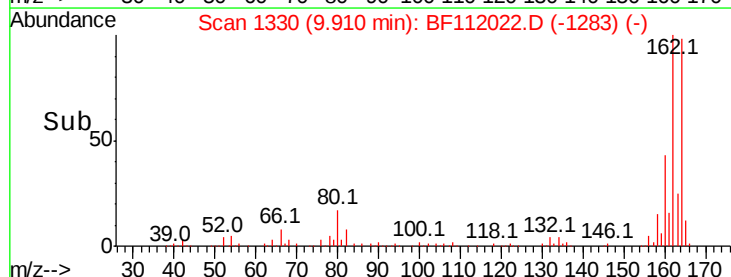
160 44.2 35.5 53.3

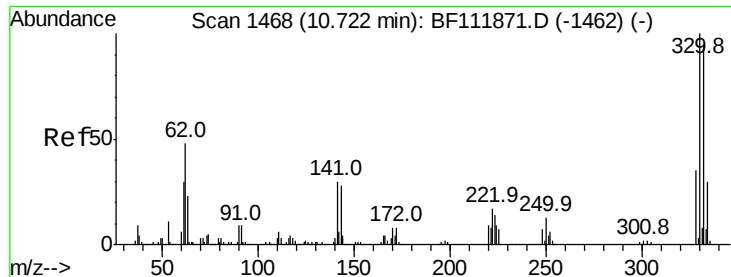


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

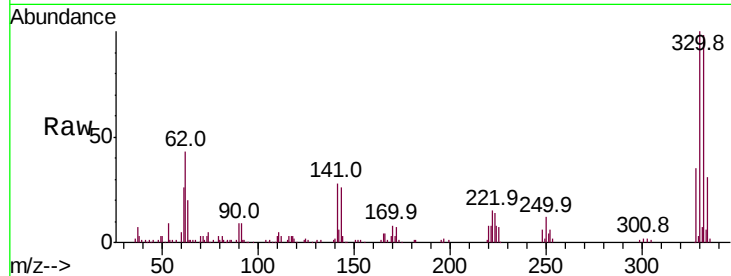




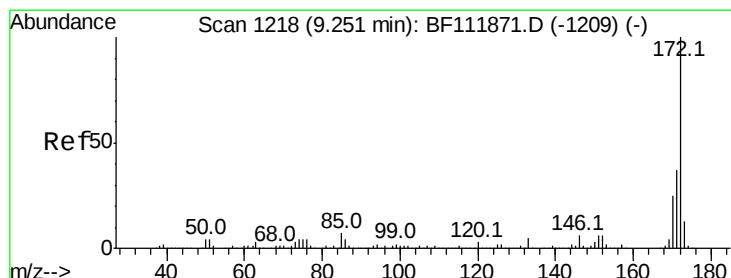
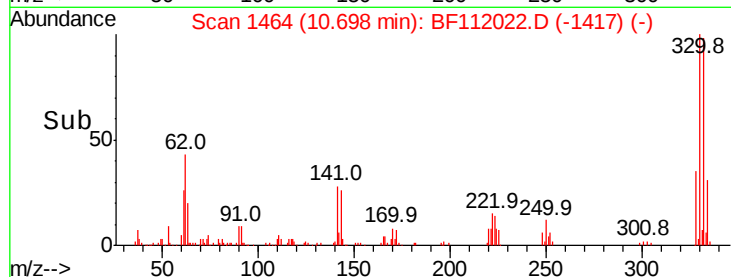
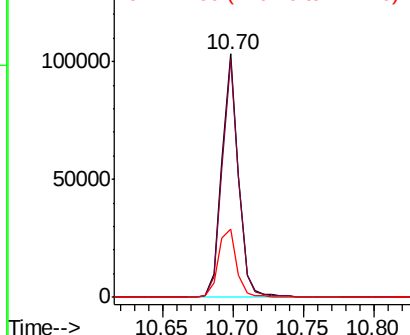
#42
 2,4,6-Tribromophenol
 Concen: 35.528 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.02 min
 Lab File: BF112022.D
 Acq: 11 Jan 2019 18:23

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.9	115.3
141	30.9	23.7	35.5

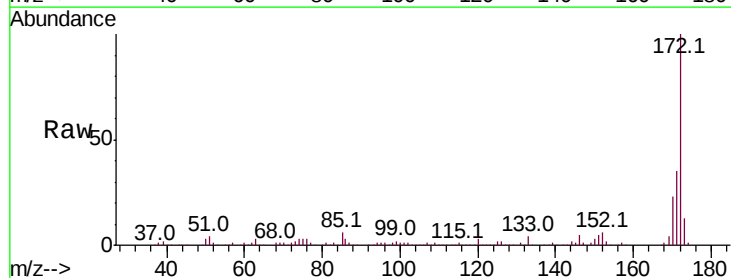


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

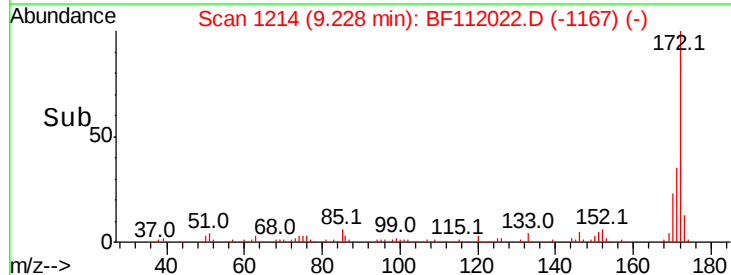
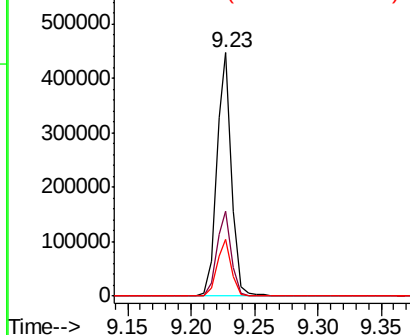


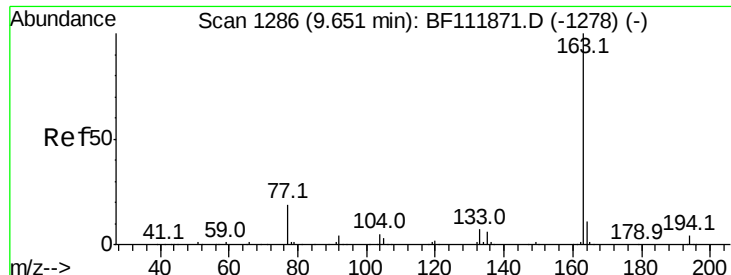
#45
 2-Fluorobiphenyl
 Concen: 29.086 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.02 min
 Lab File: BF112022.D
 Acq: 11 Jan 2019 18:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.6	44.4
170	23.3	19.8	29.8



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

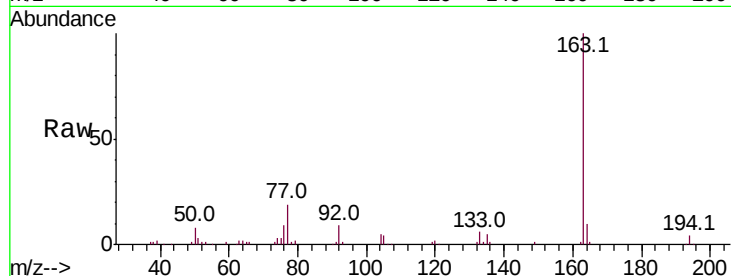




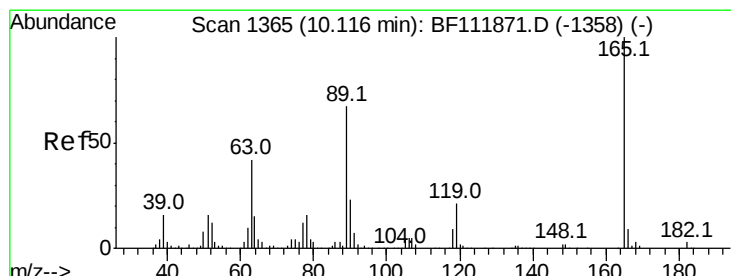
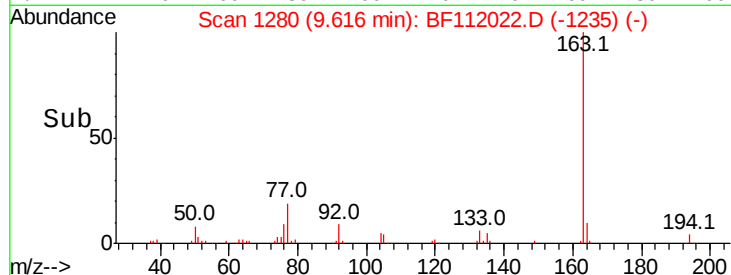
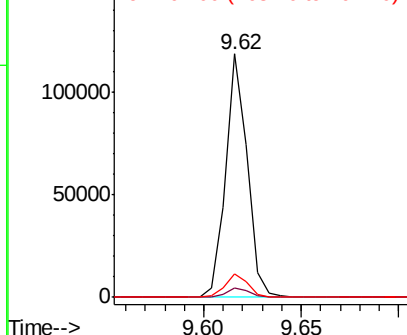
#50
Dimethylphthalate
Concen: 6.636 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.04 min
Lab File: BF112022.D
Acq: 11 Jan 2019 18:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.2
164	9.8	8.5	12.7



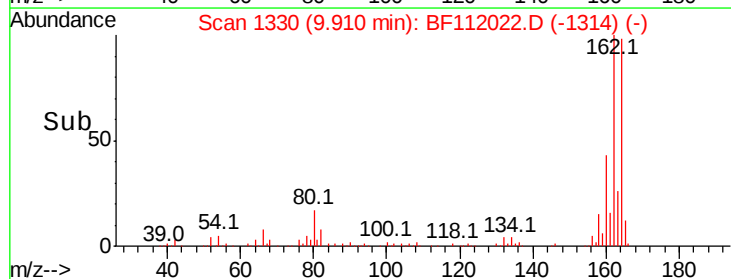
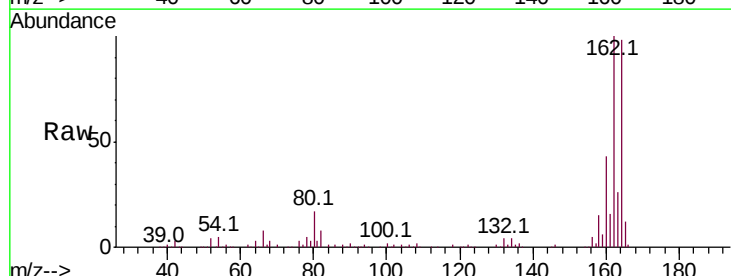
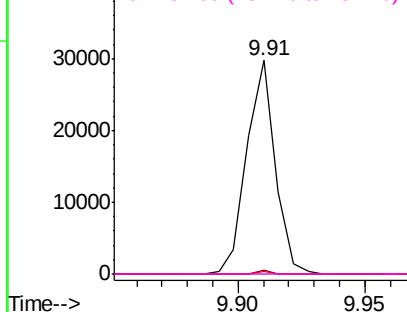
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

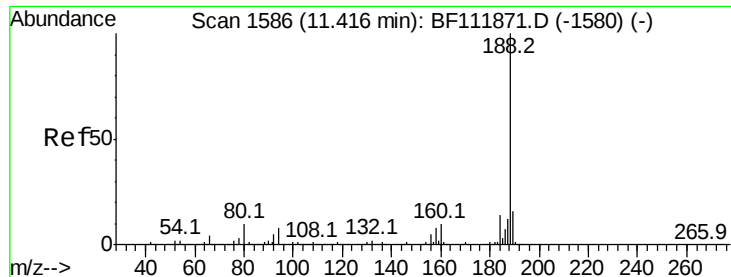


#57
2,4-Dinitrotoluene
Concen: 5.866 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.21 min
Lab File: BF112022.D
Acq: 11 Jan 2019 18:23

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	34.1	51.1#
89	1.2	53.5	80.3#
182	0.0	2.0	3.0#

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.02 min

Lab File: BF112022.D

Acq: 11 Jan 2019 18:23

Instrument :

BNA_F

ClientSampleId :

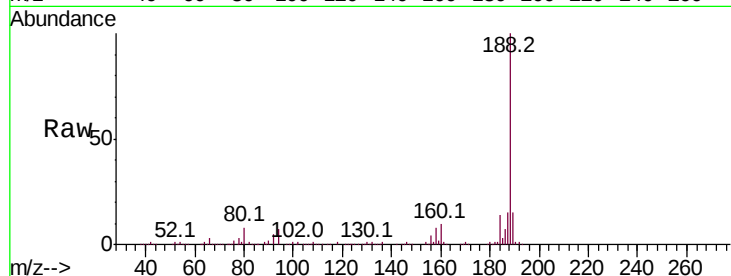
Tot Ion:188 Resp: 310553

Ion Ratio Lower Upper

188 100

94 7.4 6.6 10.0

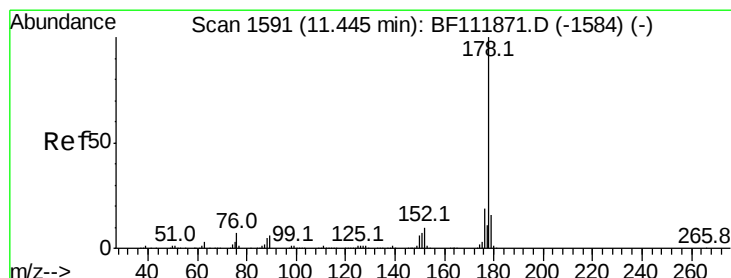
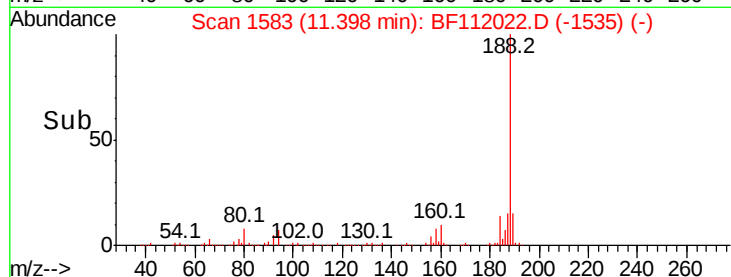
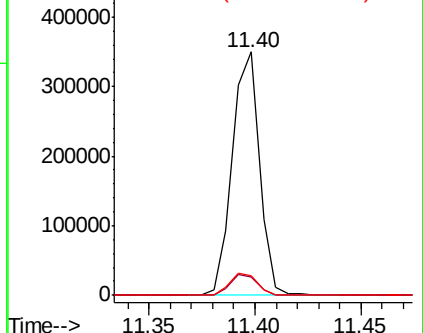
80 8.3 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 2.738 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.02 min

Lab File: BF112022.D

Acq: 11 Jan 2019 18:23

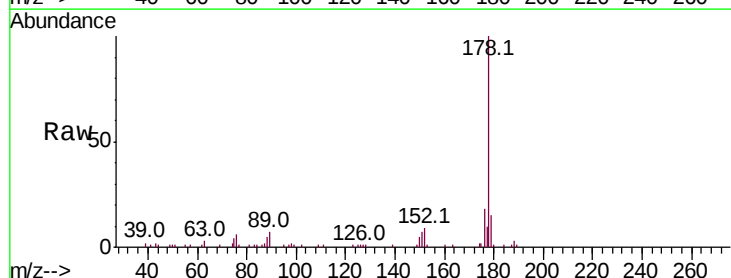
Tgt Ion:178 Resp: 45455

Ion Ratio Lower Upper

178 100

176 18.1 15.6 23.4

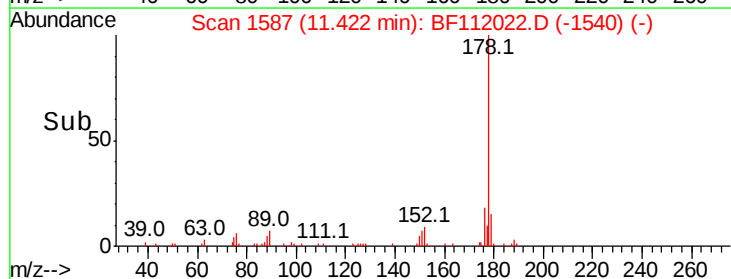
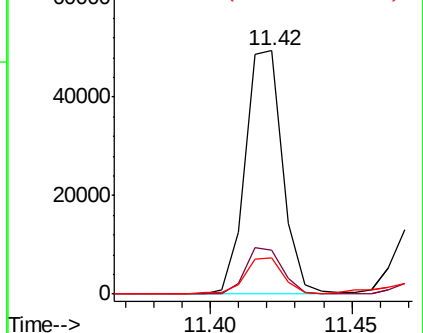
179 15.1 12.6 18.8

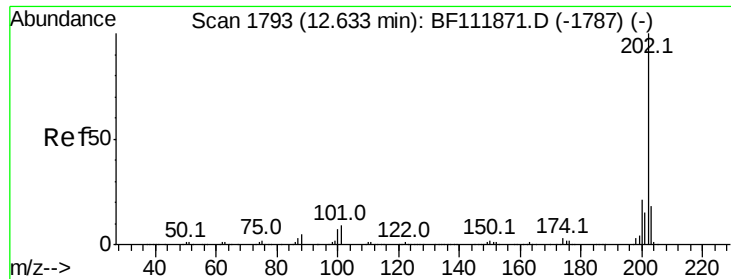


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 6.975 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.02 min

Lab File: BF112022.D

Acq: 11 Jan 2019 18:23

Instrument :

BNA_F

ClientSampleId :

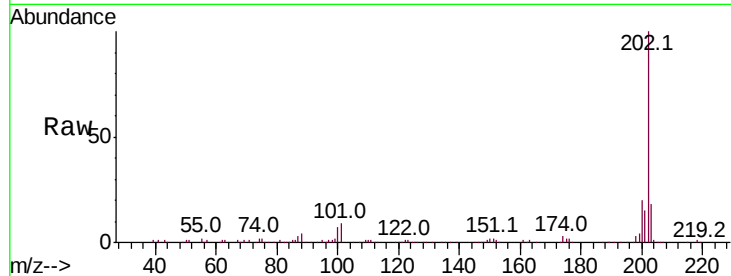
Tot Ion:202 Resp: 118888

Ion Ratio Lower Upper

202 100

101 9.4 0.0 29.3

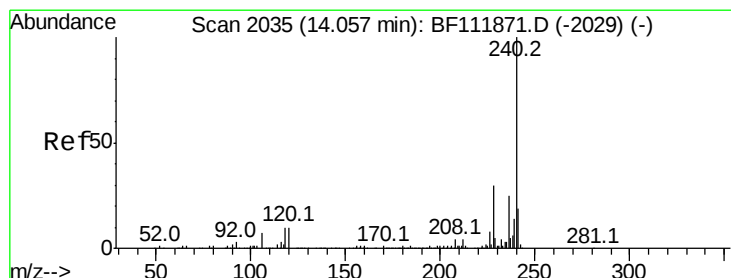
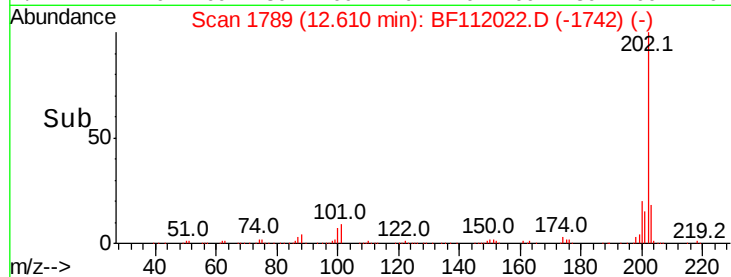
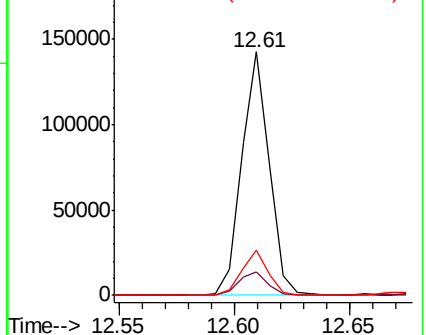
203 18.4 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.02 min

Lab File: BF112022.D

Acq: 11 Jan 2019 18:23

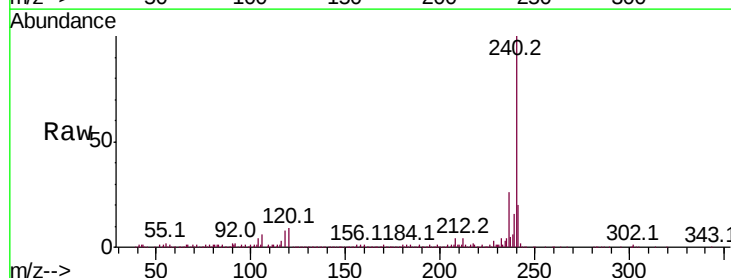
Tgt Ion:240 Resp: 289712

Ion Ratio Lower Upper

240 100

120 8.8 8.2 12.2

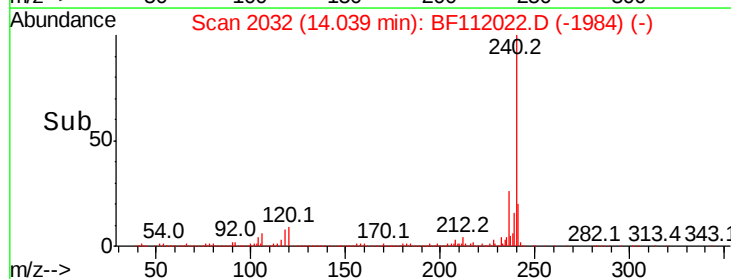
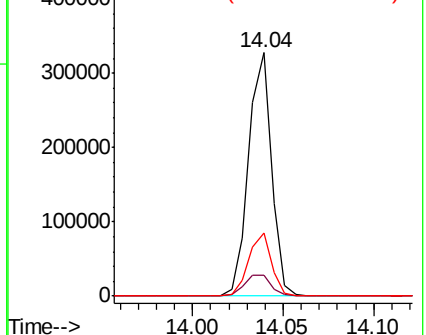
236 26.1 20.2 30.4

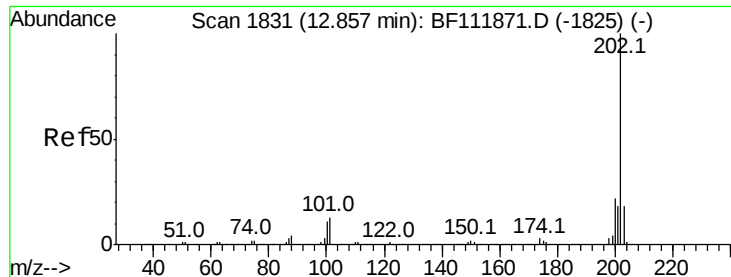


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

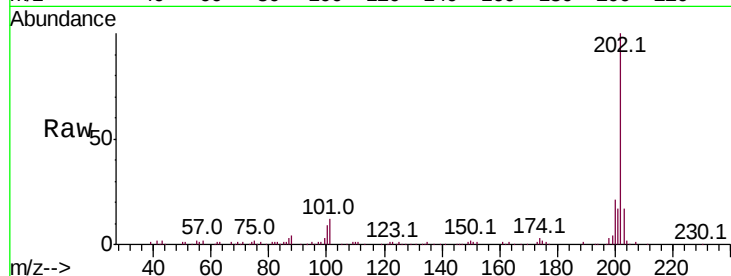




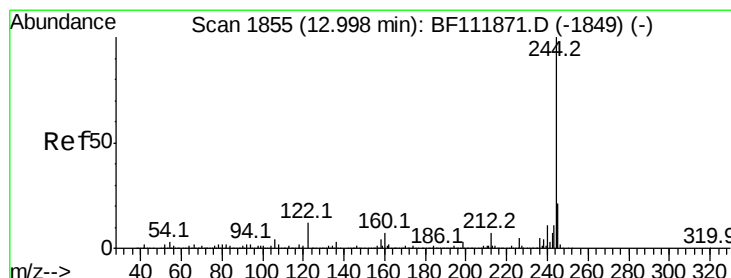
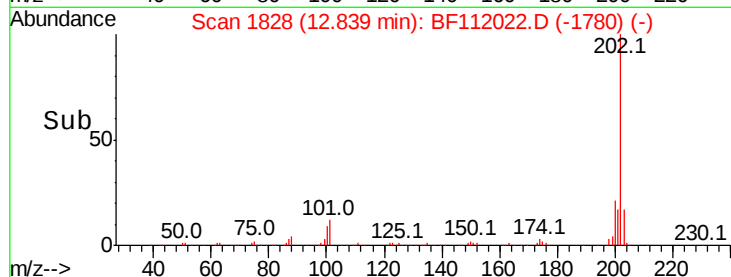
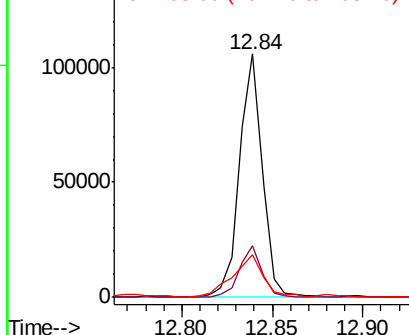
#78
Pvrene
Concen: 4.681 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.02 min
Lab File: BF112022.D
Acq: 11 Jan 2019 18:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 93310
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.3 14.6 21.8

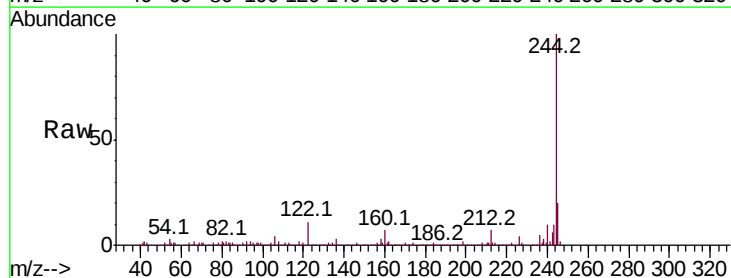


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

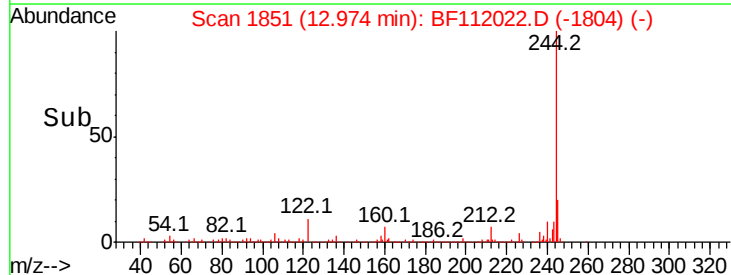
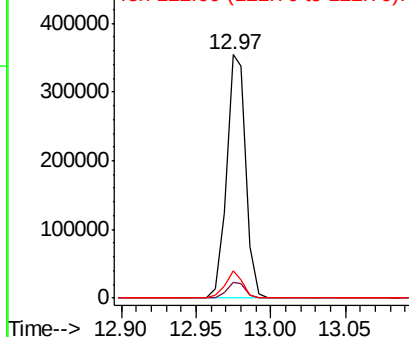


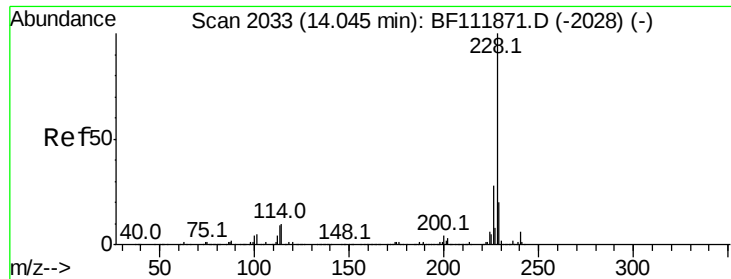
#79
Terphenyl-d14
Concen: 21.188 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.02 min
Lab File: BF112022.D
Acq: 11 Jan 2019 18:23

Tgt Ion:244 Resp: 323385
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.8
122 11.2 9.5 14.3



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

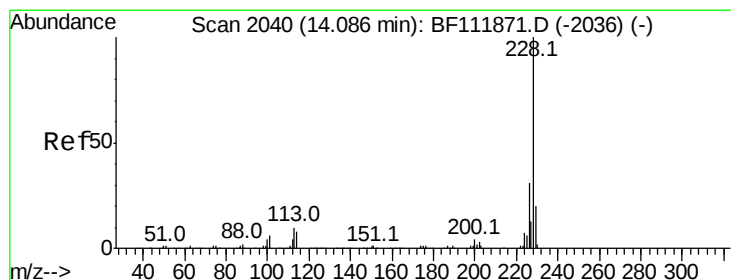
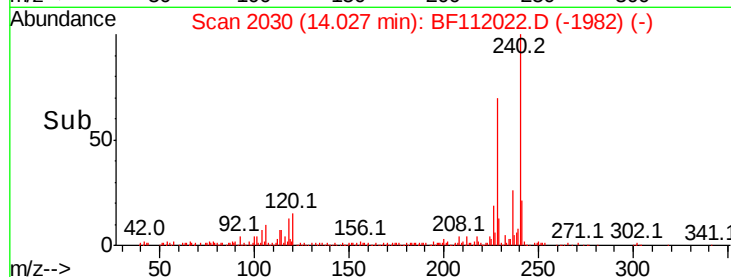
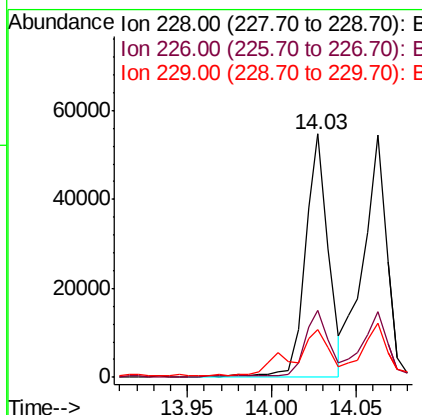
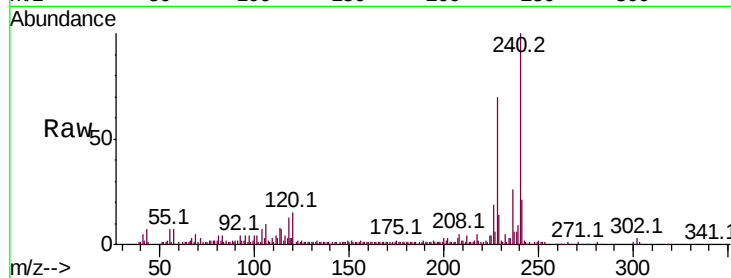




#81
Benzo(a)anthracene
Concen: 3.125 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF112022.D
Acq: 11 Jan 2019 18:23

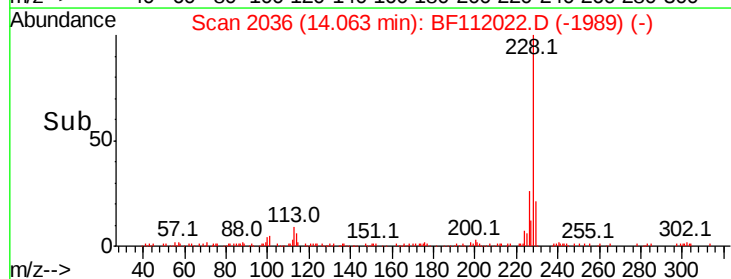
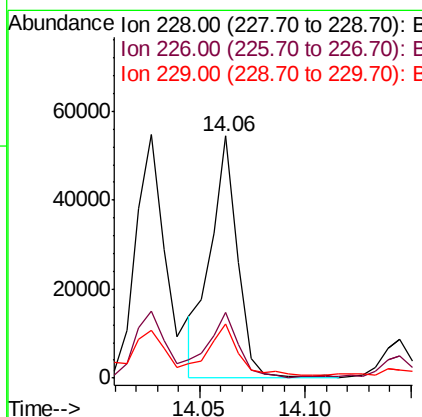
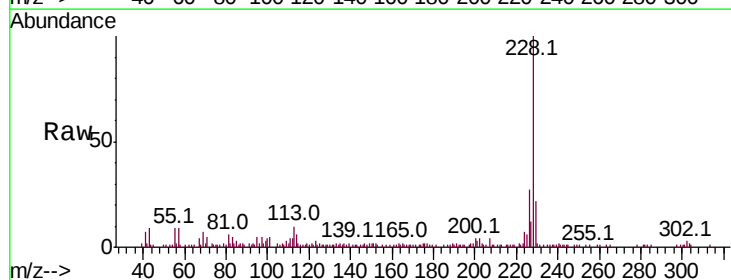
Instrument :
BNA_F
ClientSampleId :

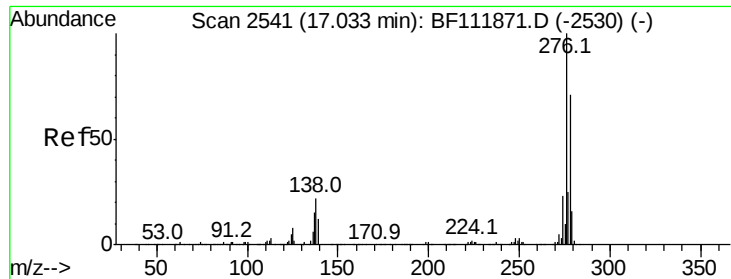
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.2	33.2
229	19.7	16.2	24.2



#83
Chrysene
Concen: 3.067 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.02 min
Lab File: BF112022.D
Acq: 11 Jan 2019 18:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.9	24.6	37.0
229	22.1	15.7	23.5

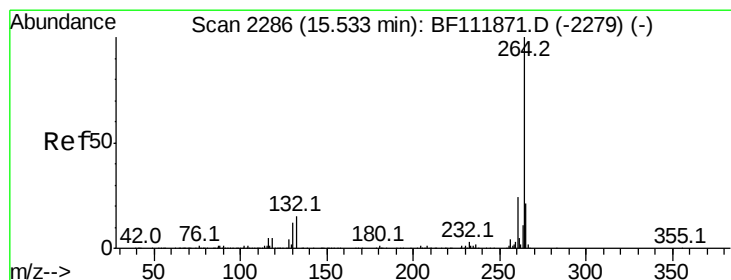
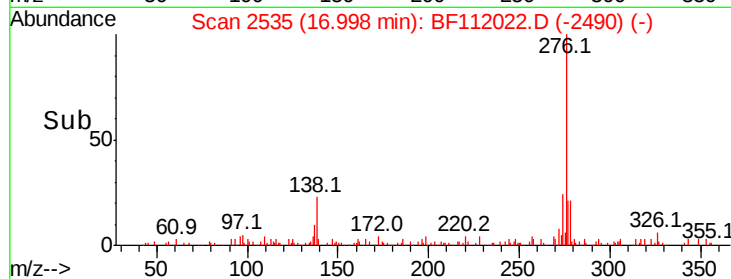
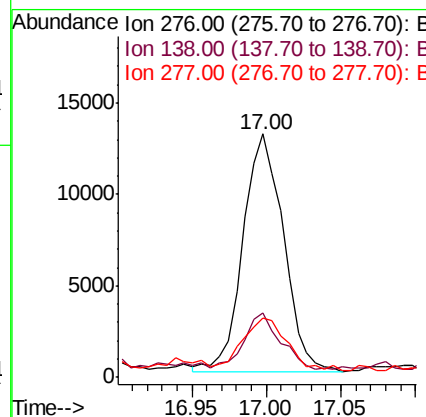
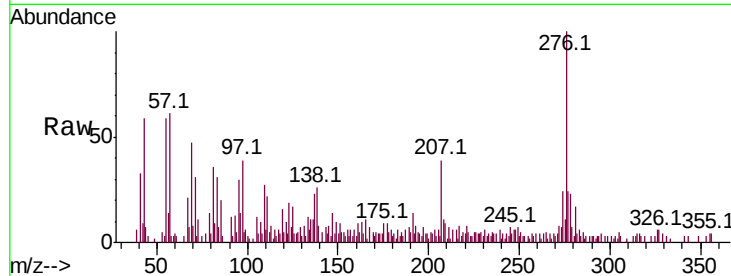




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.115 ng
 RT: 17.00 min Scan# 2535
 Delta R.T. -0.04 min
 Lab File: BF112022.D
 Acq: 11 Jan 2019 18:23

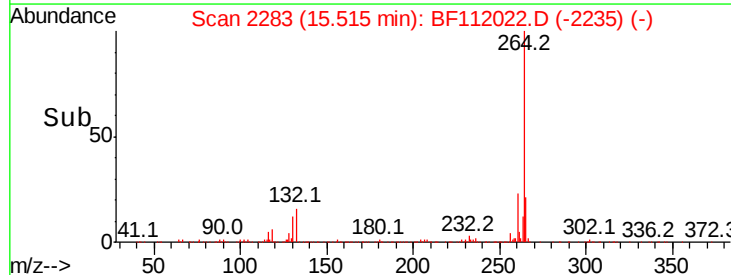
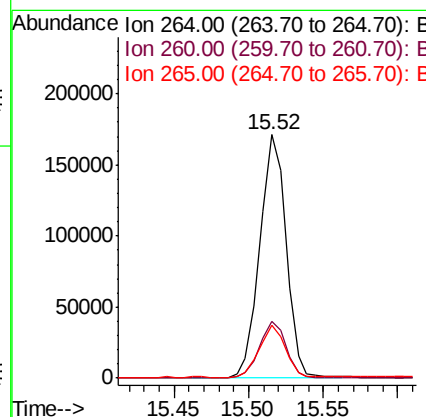
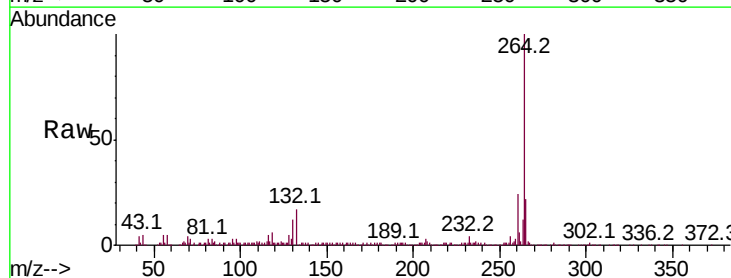
Instrument :
 BNA_F
 ClientSampleId :

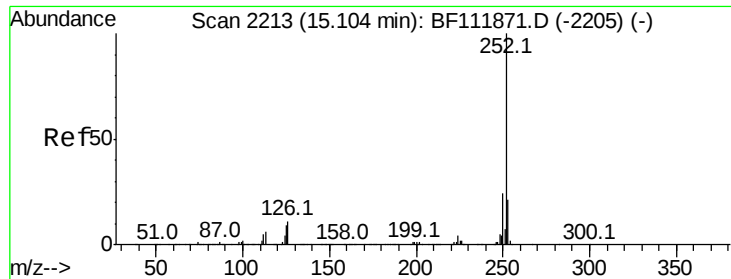
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.0	18.1	27.1
277	24.9	19.9	29.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2283
 Delta R.T. -0.02 min
 Lab File: BF112022.D
 Acq: 11 Jan 2019 18:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.6	17.1	25.7

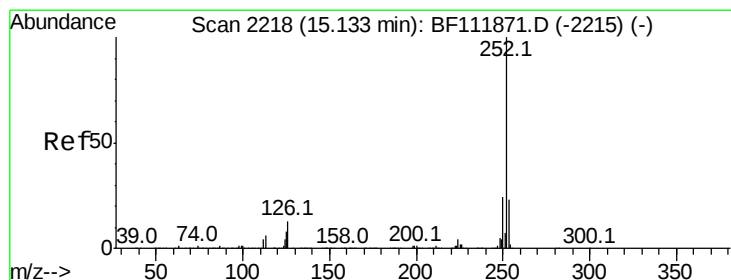
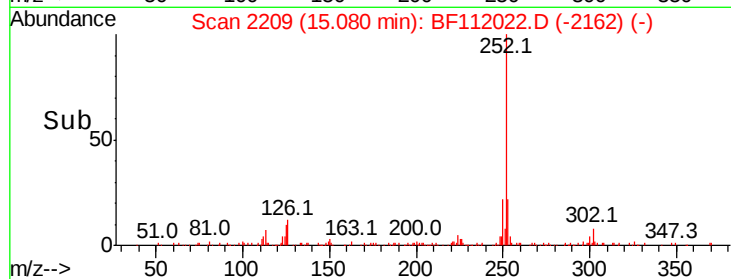
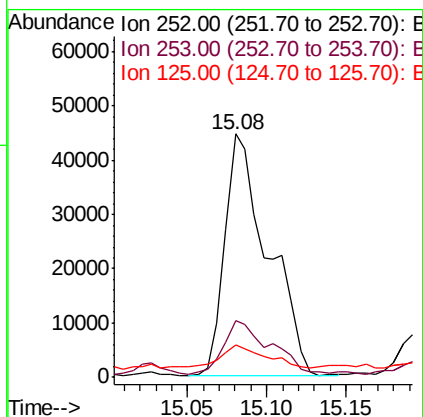
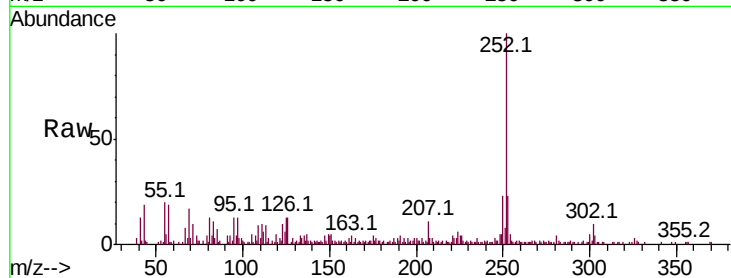




#88
Benzo(b)fluoranthene
Concen: 6.729 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.02 min
Lab File: BF112022.D
Acq: 11 Jan 2019 18:23

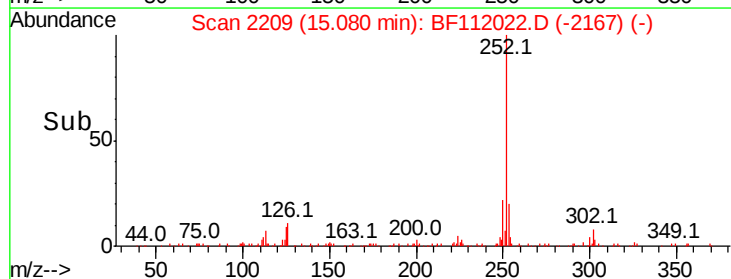
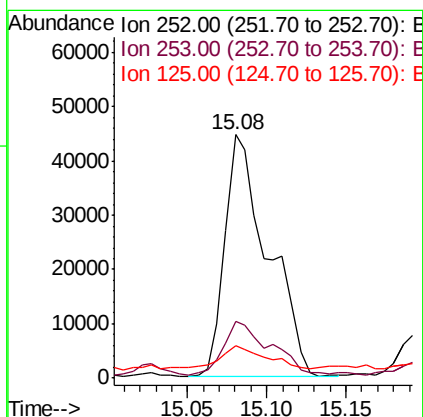
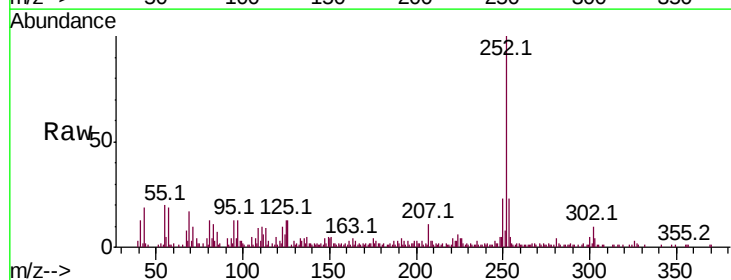
Instrument :
BNA_F
ClientSampleId :

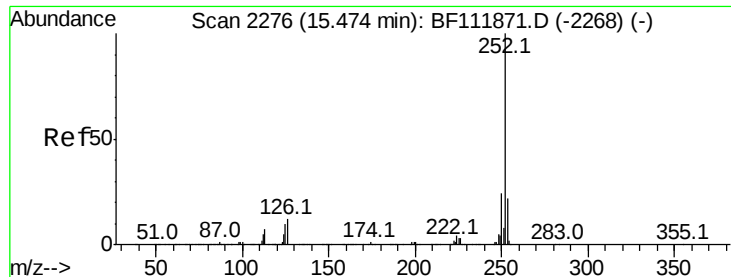
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	13.4	7.1	10.7



#89
Benzo(k)fluoranthene
Concen: 7.159 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.05 min
Lab File: BF112022.D
Acq: 11 Jan 2019 18:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	13.4	7.0	10.4

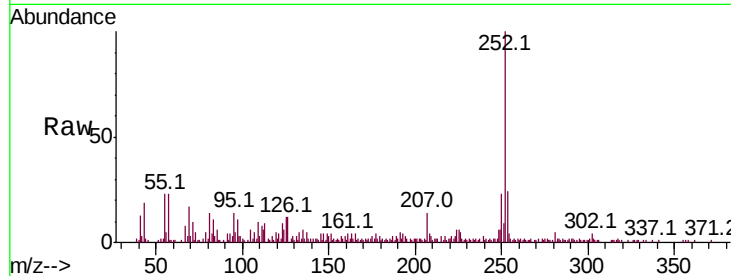




#90
Benzo(a)pyrene
Concen: 3.889 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.02 min
Lab File: BF112022.D
Acq: 11 Jan 2019 18:23

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.4	26.2
125	12.4	7.9	11.9#

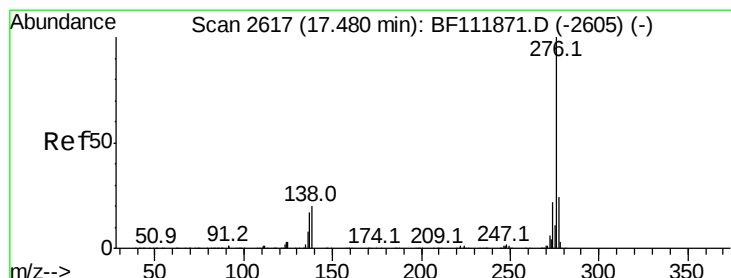
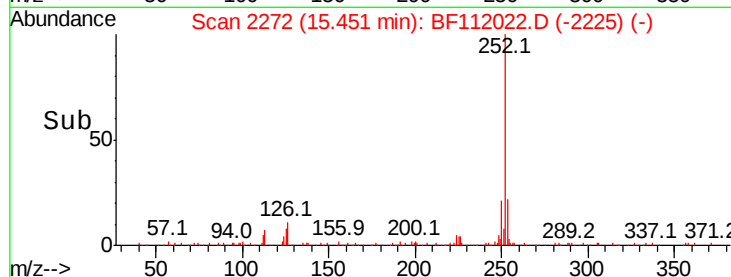
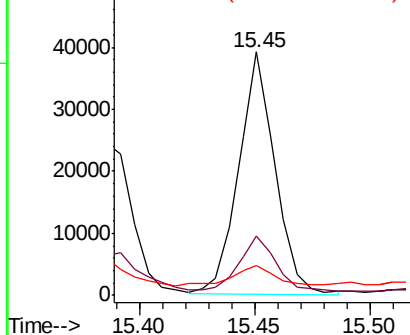


Abundance

Ion 252.00 (251.70 to 252.70): E

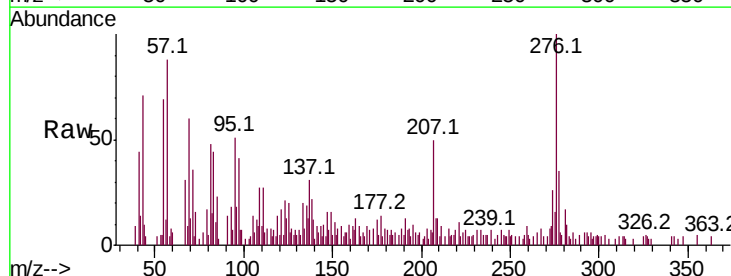
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.718 ng
RT: 17.44 min Scan# 2611
Delta R.T. -0.04 min
Lab File: BF112022.D
Acq: 11 Jan 2019 18:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	35.2	19.0	28.6#
138	22.4	16.2	24.2



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

