

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
 Data File : BF114830.D
 Acq On : 5 Jun 2019 20:47
 Operator : HP/JU
 Sample : K3183-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 06 05:02:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 04 16:57:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	356771	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1403641	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	733037	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1410797	20.00	ng	0.00
76) Chrysene-d12	13.79	240	926354	20.00	ng	0.00
87) Perylene-d12	15.19	264	1041971	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	1650226	80.82	ng	0.00
7) Phenol-d6	6.30	99	2041431	82.17	ng	0.00
23) Nitrobenzene-d5	7.23	82	1242967	54.51	ng	0.00
42) 2,4,6-Tribromophenol	10.48	330	624446	79.05	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	2270436	58.02	ng	0.00
79) Terphenyl-d14	12.76	244	2364435	49.64	ng	0.00

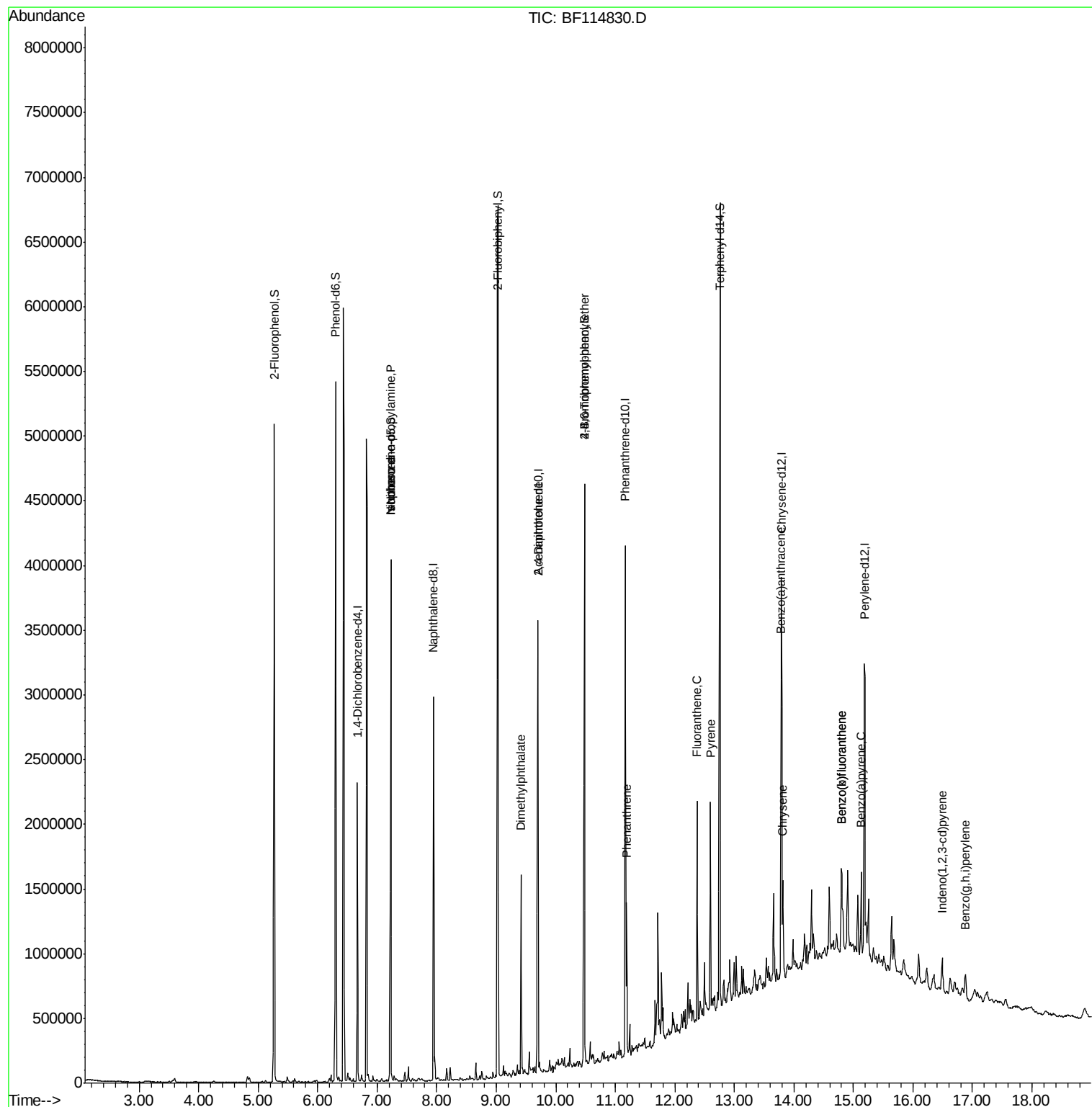
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.23	70	167117	10.162	ng	# 76
25) Isophorone	7.23	82	1184417	26.275	ng	# 61
50) Dimethylphthalate	9.42	163	553883	10.346	ng	98
57) 2,4-Dinitrotoluene	9.69	165	94663	5.981	ng	# 32
58) Fluorene	10.24	166	37458	Below Cal		98
67) 4-Bromophenyl-phenylether	10.48	248	40373	2.520	ng	# 1
71) Phenanthrene	11.19	178	388098	5.762	ng	95
75) Fluoranthene	12.37	202	603031	8.603	ng	96
78) Pyrene	12.60	202	644221	8.016	ng	95
81) Benzo(a)anthracene	13.78	228	280903	3.935	ng	95
83) Chrysene	13.82	228	295500	4.255	ng	96
86) Indeno(1,2,3-cd)pyrene	16.49	276	160495	2.026	ng	98
88) Benzo(b)fluoranthene	14.80	252	474041	7.146	ng	# 96
89) Benzo(k)fluoranthene	14.80	252	474041	8.415	ng	# 97
90) Benzo(a)pyrene	15.13	252	283761	4.942	ng	98
92) Benzo(g,h,i)perylene	16.88	276	150670	2.756	ng	95

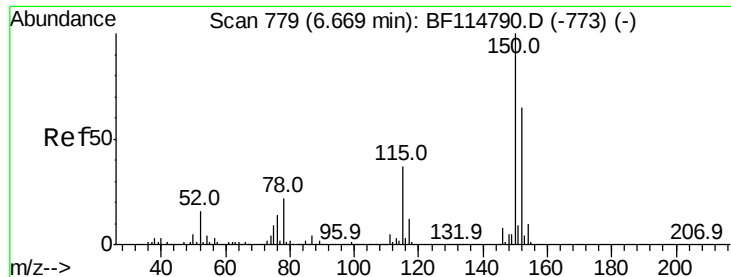
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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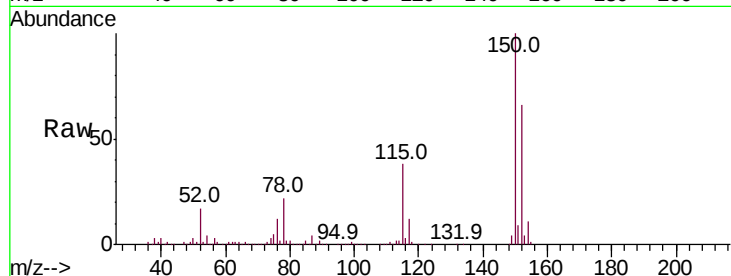


#1

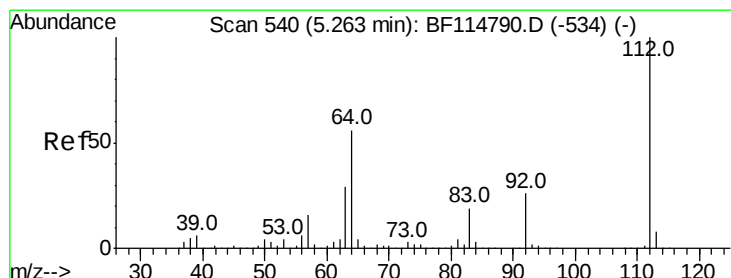
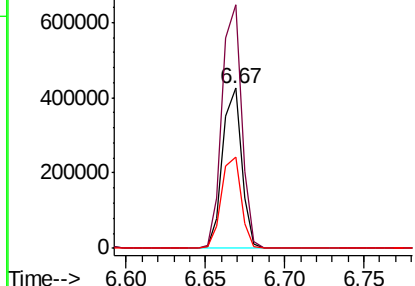
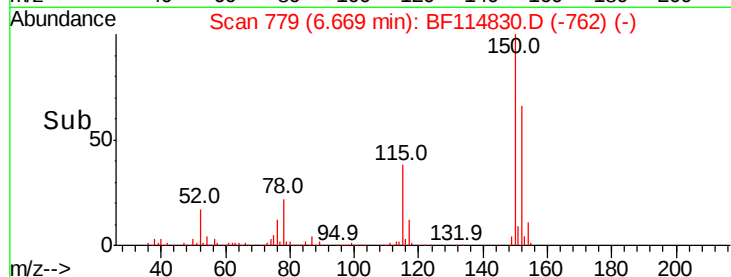
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF114830.D
Acq: 5 Jun 2019 20:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 356771
Ion Ratio Lower Upper
152 100
150 152.0 124.0 186.0
115 57.2 46.3 69.5



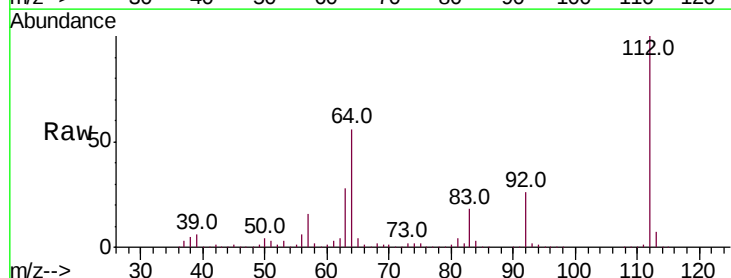
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



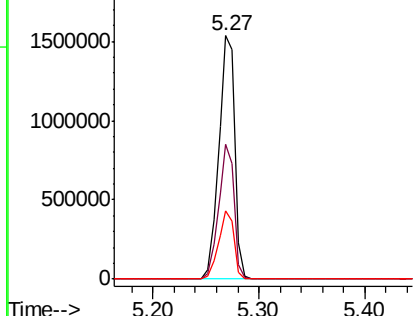
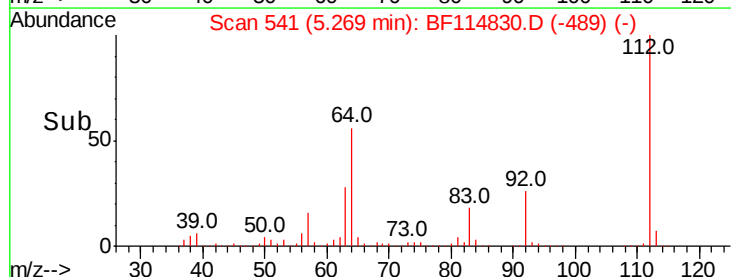
#5

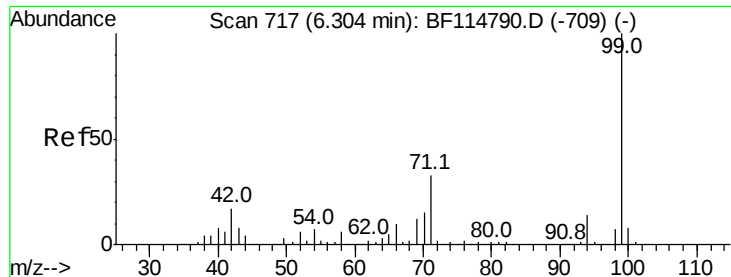
2-Fluorophenol
Concen: 80.823 ng
RT: 5.27 min Scan# 541
Delta R.T. 0.01 min
Lab File: BF114830.D
Acq: 5 Jun 2019 20:47

Tgt Ion:112 Resp: 1650226
Ion Ratio Lower Upper
112 100
64 55.5 44.6 66.8
63 28.0 23.0 34.4



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: 82.169 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.00 min

Lab File: BF114830.D

Acq: 5 Jun 2019 20:47

Instrument :

BNA_F

ClientSampleId :

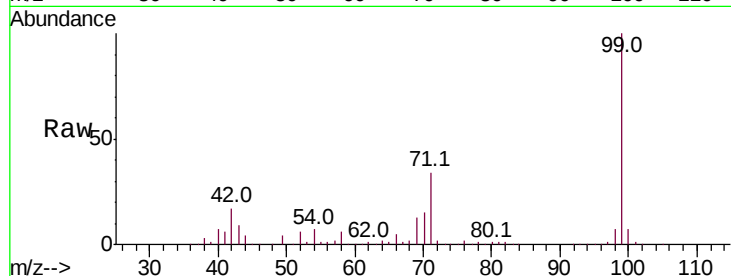
Tot Ion: 99 Resp: 2041431

Ion Ratio Lower Upper

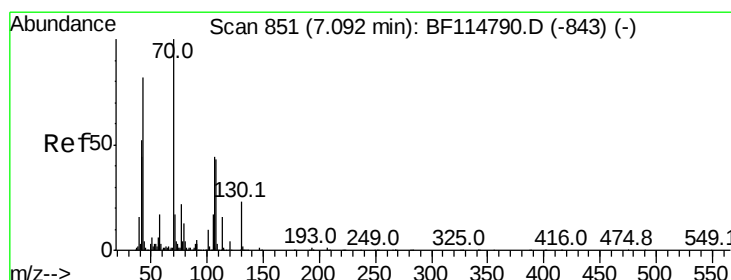
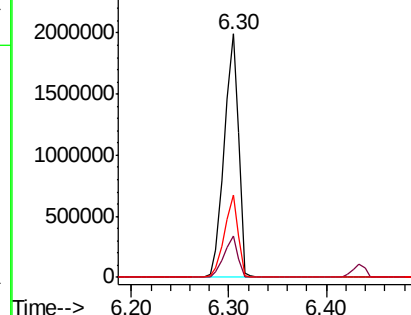
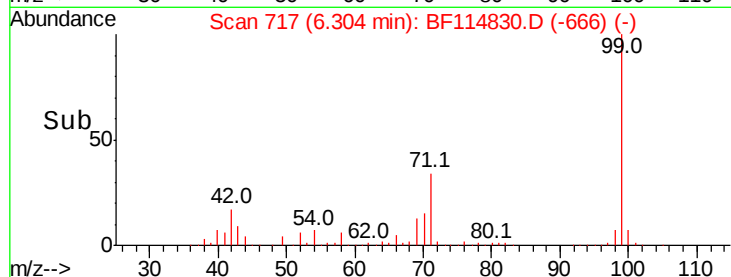
99 100

42 16.9 13.3 19.9

71 33.6 26.3 39.5



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: 10.162 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.14 min

Lab File: BF114830.D

Acq: 5 Jun 2019 20:47

Tgt Ion: 70 Resp: 167117

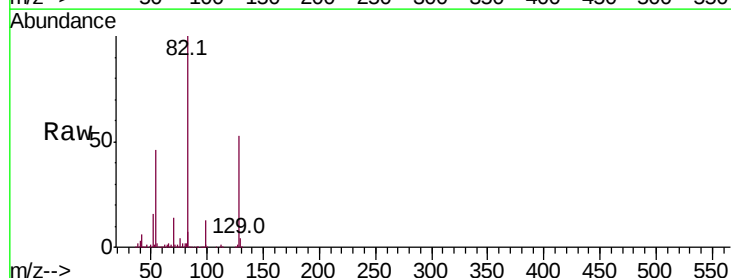
Ion Ratio Lower Upper

70 100

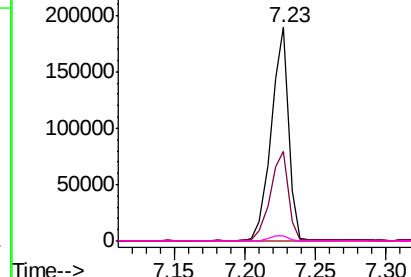
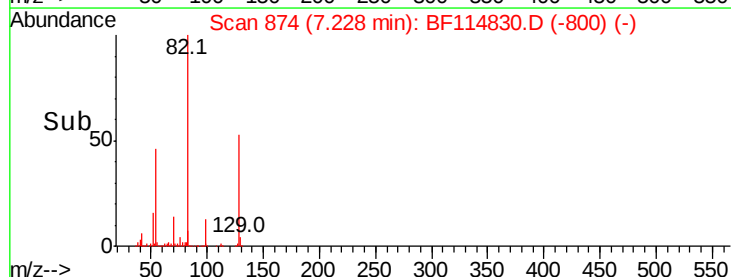
42 42.2 41.8 62.8

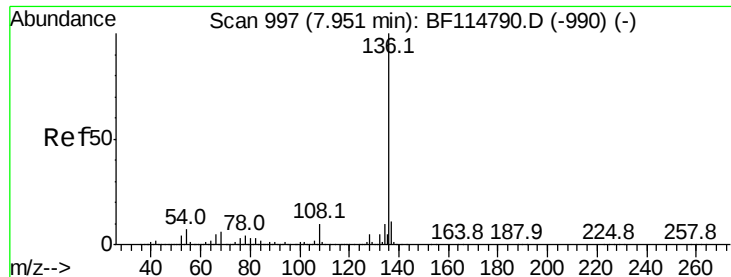
101 0.0 8.2 12.4#

130 2.2 18.5 27.7#



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: 7.95 min Scan# 997

Delta R.T. 0.00 min

Lab File: BF114830.D

Acq: 5 Jun 2019 20:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1403641

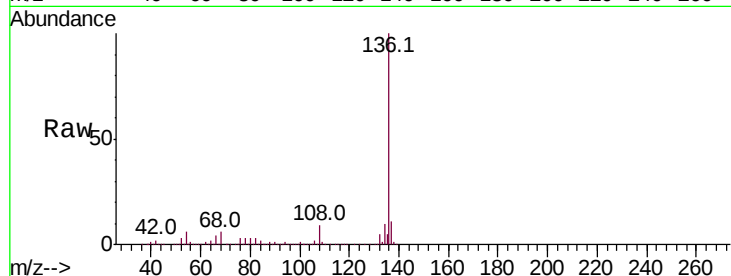
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	6.3	5.4	8.0
68	5.7	4.6	6.8

136 100

137 11.0 9.1 13.7

54 6.3 5.4 8.0

68 5.7 4.6 6.8

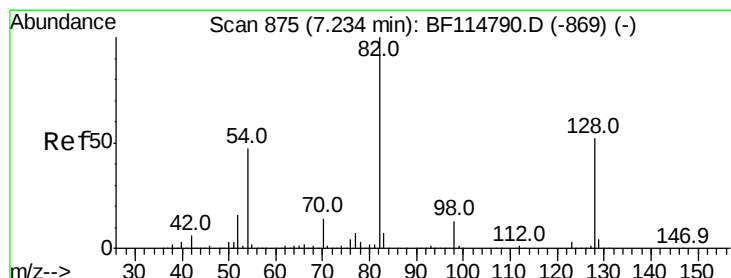
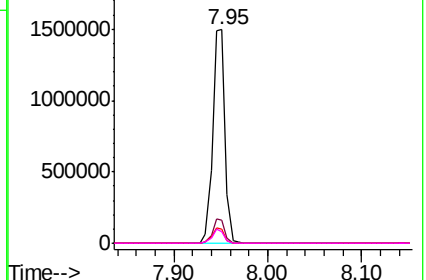
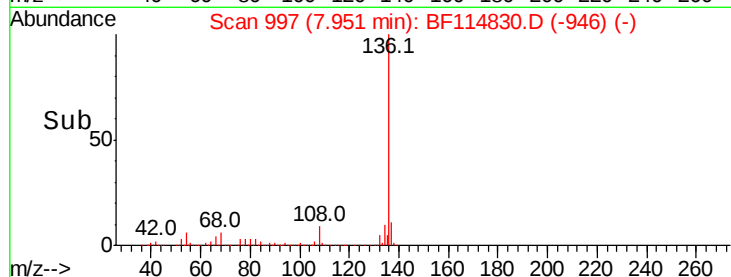


Abundance Ion 136.00 (135.70 to 136.70): E

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: 54.512 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF114830.D

Acq: 5 Jun 2019 20:47

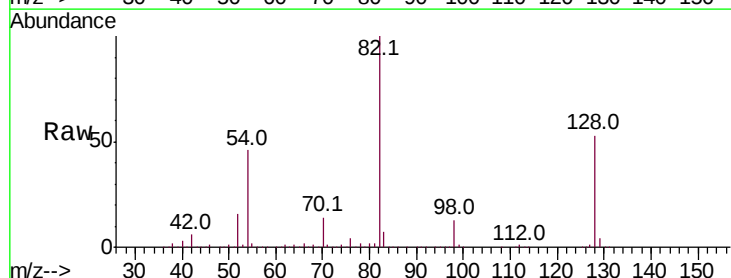
Tgt Ion: 82 Resp: 1242967

Ion	Ratio	Lower	Upper
82	100		
128	52.7	41.8	62.6
54	45.9	37.9	56.9

82 100

128 52.7 41.8 62.6

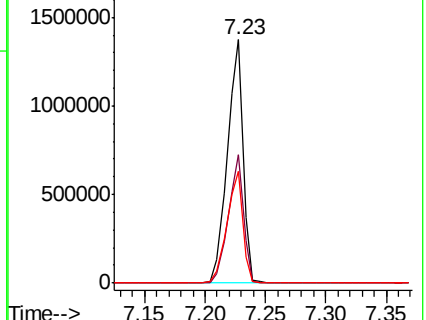
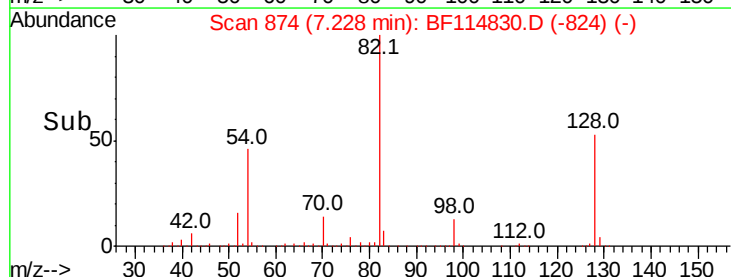
54 45.9 37.9 56.9

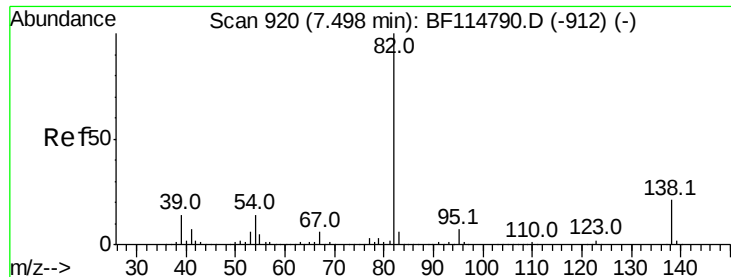


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 26.275 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.27 min

Lab File: BF114830.D

Acq: 5 Jun 2019 20:47

Instrument :

BNA_F

ClientSampleId :

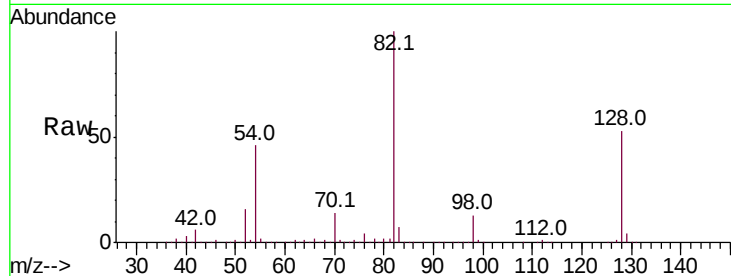
Tot Ion: 82 Resp: 1184417

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

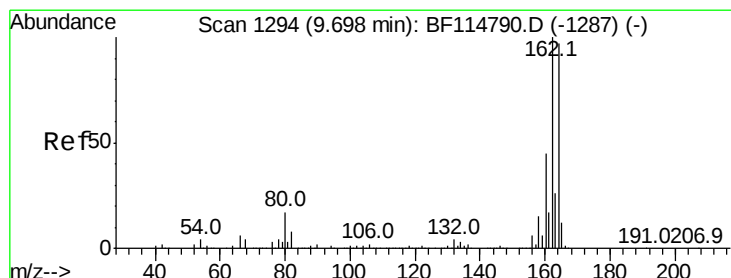
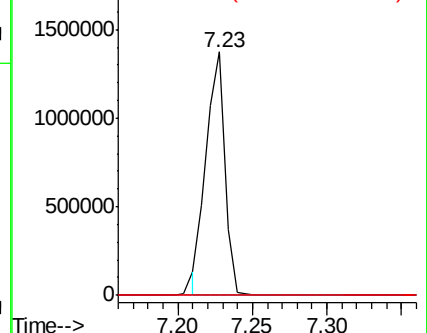
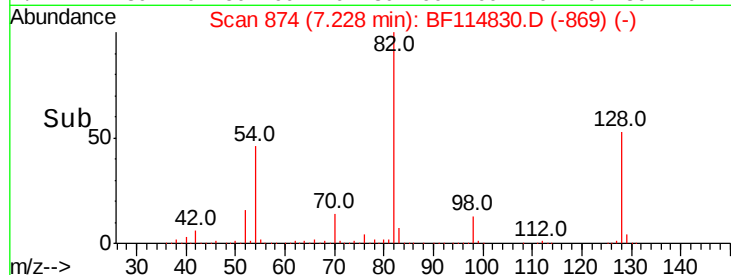
138 0.0 16.9 25.3#



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: 9.70 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BF114830.D

Acq: 5 Jun 2019 20:47

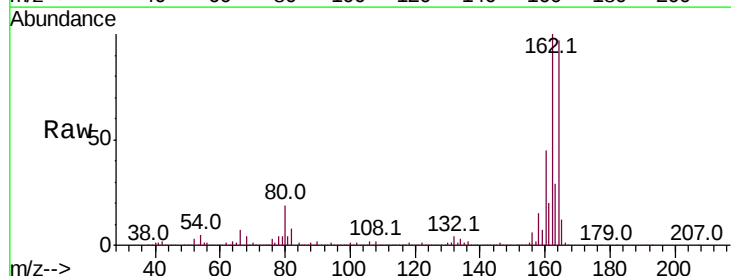
Tgt Ion:164 Resp: 733037

Ion Ratio Lower Upper

164 100

162 103.4 82.3 123.5

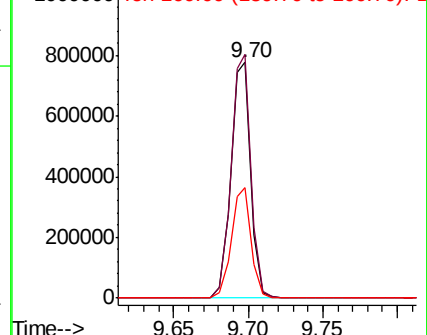
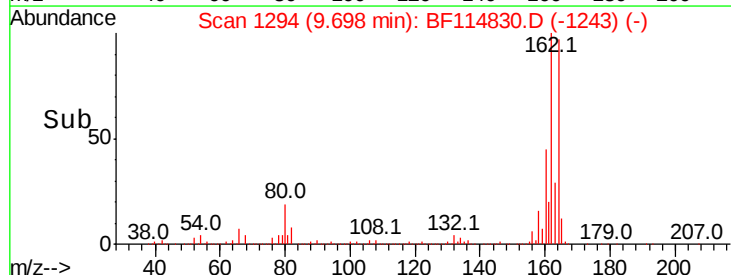
160 46.8 36.7 55.1

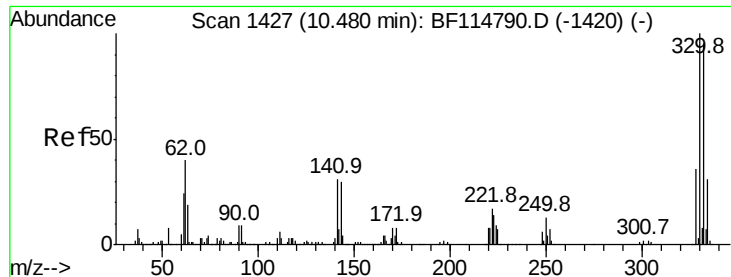


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

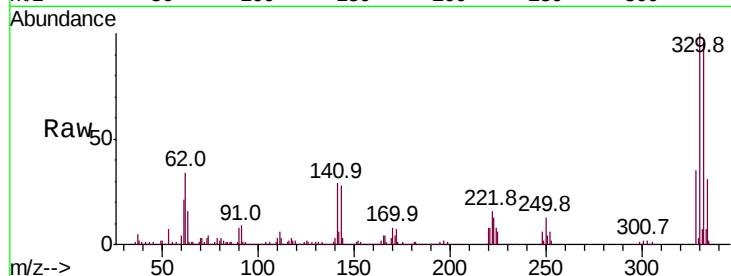




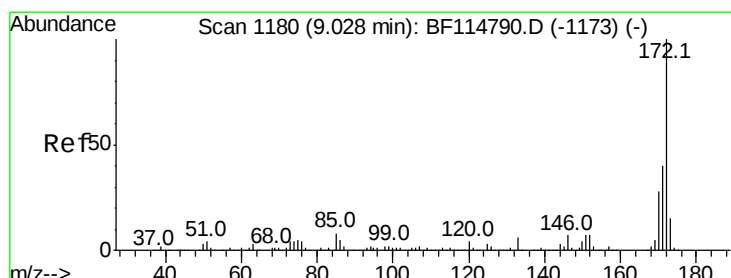
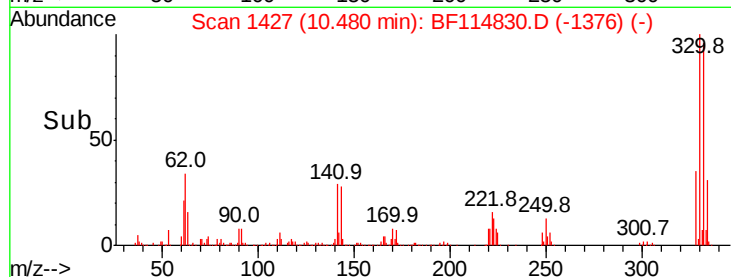
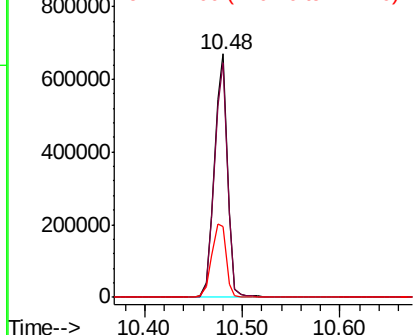
#42
 2,4,6-Tribromophenol
 Concen: 79.047 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: BF114830.D
 Acq: 5 Jun 2019 20:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.3	115.9
141	33.4	26.2	39.4

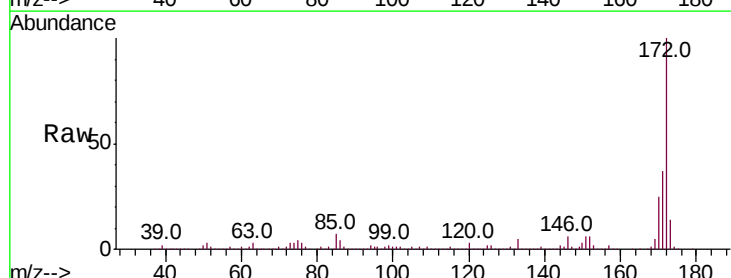


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

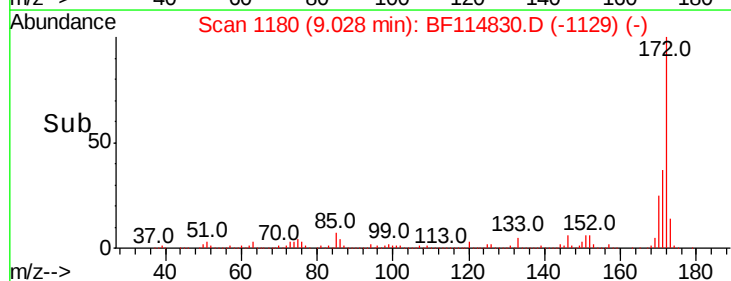
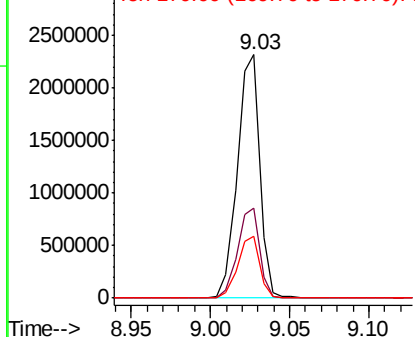


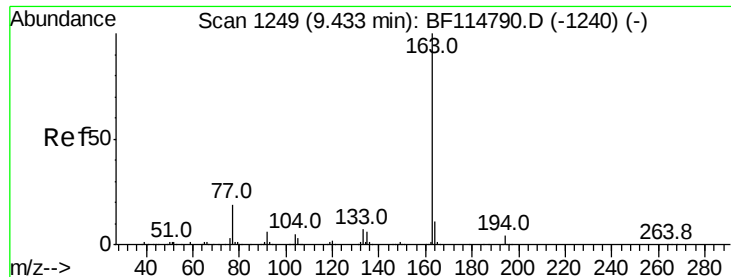
#45
 2-Fluorobiphenyl
 Concen: 58.021 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: BF114830.D
 Acq: 5 Jun 2019 20:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	32.3	48.5
170	25.3	22.4	33.6



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

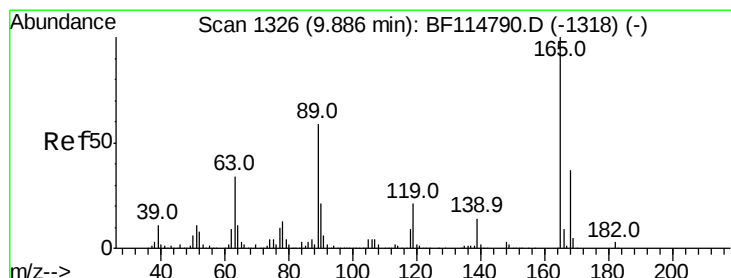
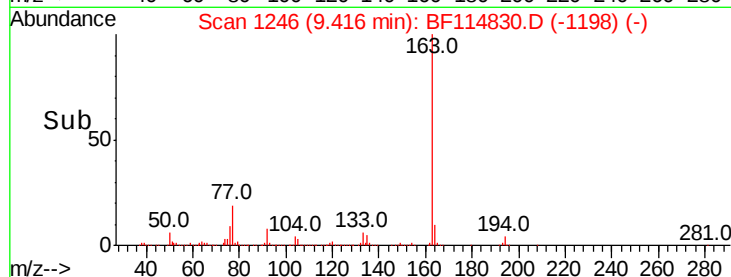
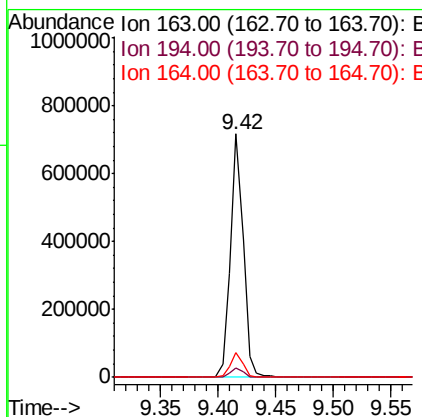
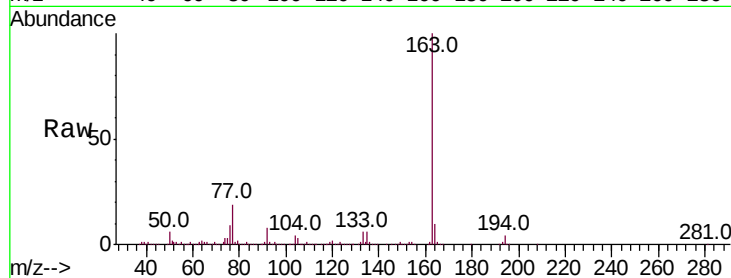




#50
Dimethylphthalate
Concen: 10.346 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BF114830.D
Acq: 5 Jun 2019 20:47

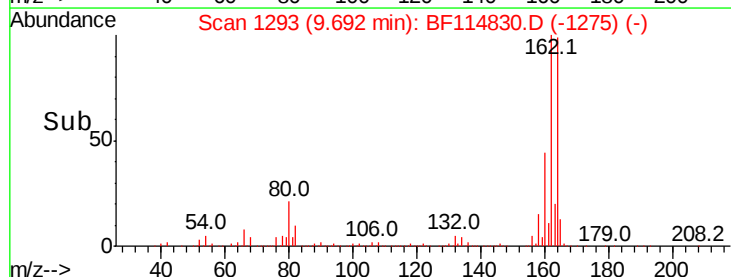
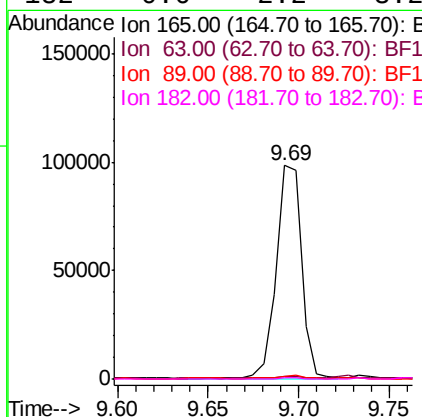
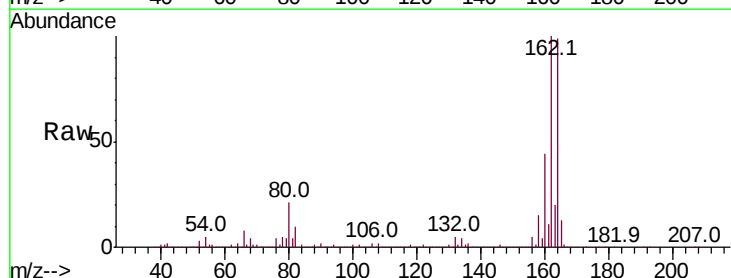
Instrument :
BNA_F
ClientSampled :

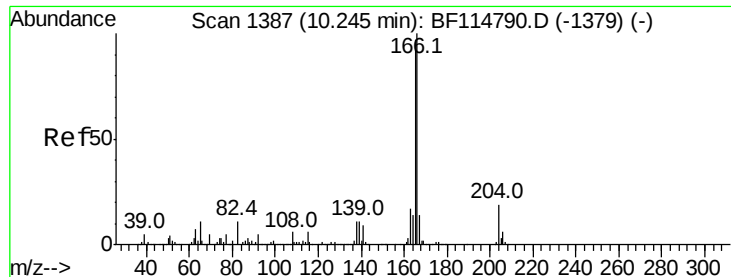
Tot Ion:163 Resp: 553883
Ion Ratio Lower Upper
163 100
194 3.8 3.4 5.2
164 10.1 8.6 13.0



#57
2,4-Dinitrotoluene
Concen: 5.981 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.19 min
Lab File: BF114830.D
Acq: 5 Jun 2019 20:47

Tgt Ion:165 Resp: 94663
Ion Ratio Lower Upper
165 100
63 1.4 27.0 40.4#
89 1.1 47.0 70.6#
182 0.6 2.2 3.2#

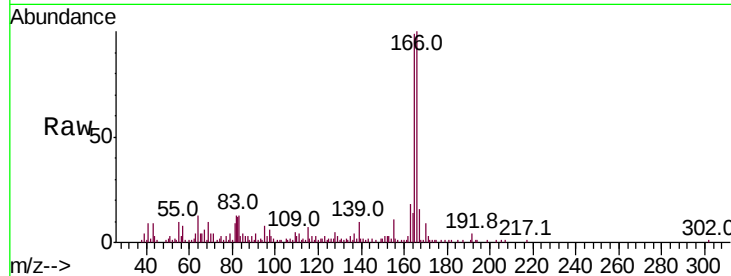




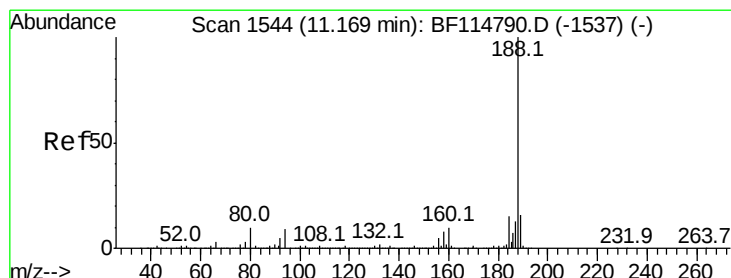
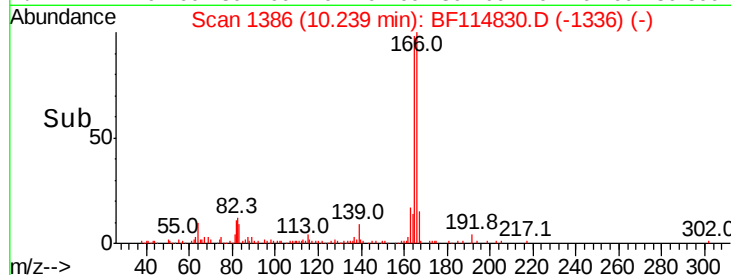
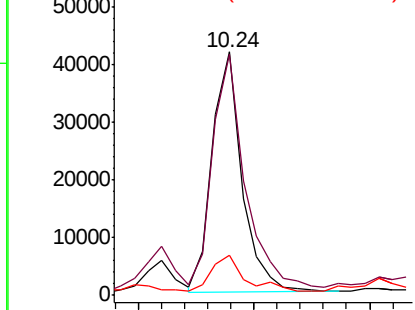
#58
 Fluorene
 Concen: Below Cal
 RT: 10.24 min Scan# 1386
 Delta R.T. -0.01 min
 Lab File: BF114830.D
 Acq: 5 Jun 2019 20:47

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:166 Resp: 37458
 Ion Ratio Lower Upper
 166 100
 165 99.0 77.9 116.9
 167 16.3 11.3 16.9

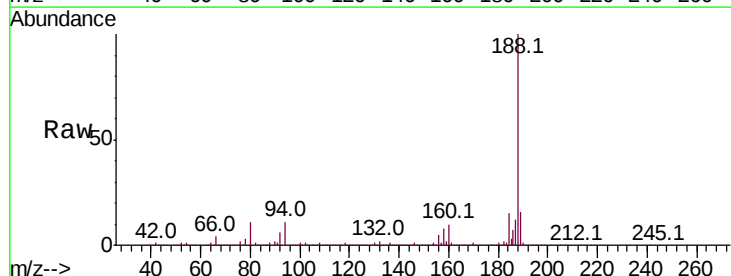


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

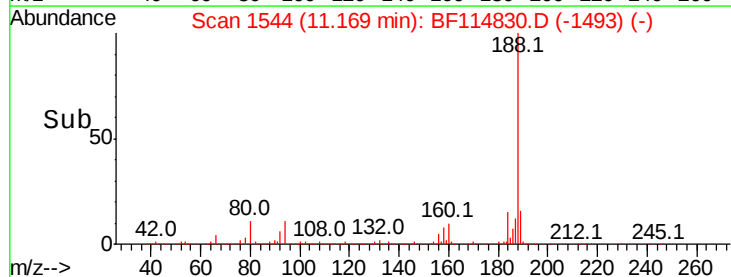
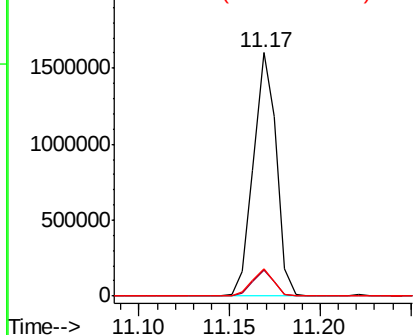


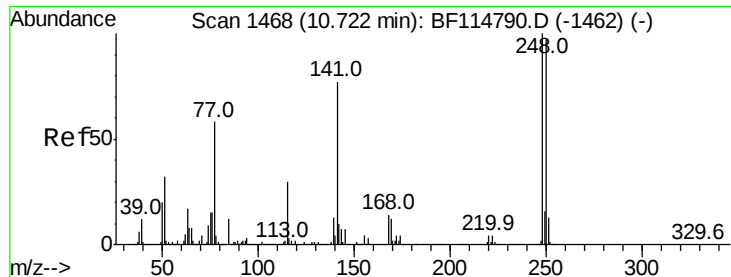
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1544
 Delta R.T. 0.00 min
 Lab File: BF114830.D
 Acq: 5 Jun 2019 20:47

Tgt Ion:188 Resp: 1410797
 Ion Ratio Lower Upper
 188 100
 94 10.6 7.6 11.4
 80 11.0 8.3 12.5



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





#67

4-Bromophenyl-phenylether

Concen: 2.520 ng

RT: 10.48 min Scan# 1427

Delta R.T. -0.24 min

Lab File: BF114830.D

Acq: 5 Jun 2019 20:47

Instrument :

BNA_F

ClientSampleId :

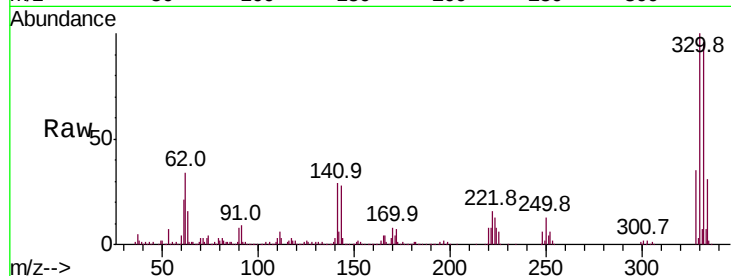
Tot Ion:248 Resp: 40373

Ion Ratio Lower Upper

248 100

250 206.4 77.5 116.3#

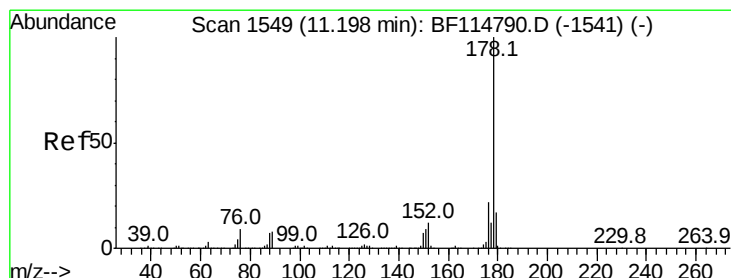
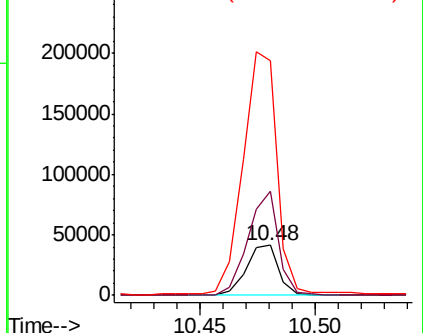
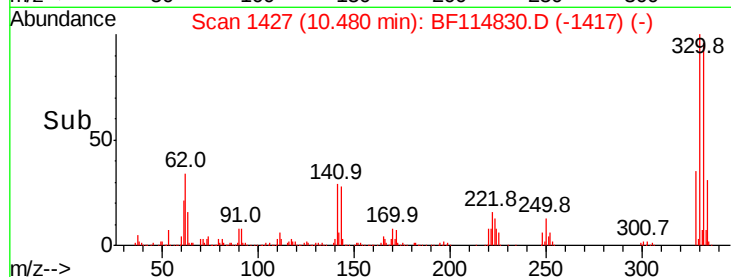
141 465.5 61.8 92.8#



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



#71

Phenanthrene

Concen: 5.762 ng

RT: 11.19 min Scan# 1548

Delta R.T. -0.01 min

Lab File: BF114830.D

Acq: 5 Jun 2019 20:47

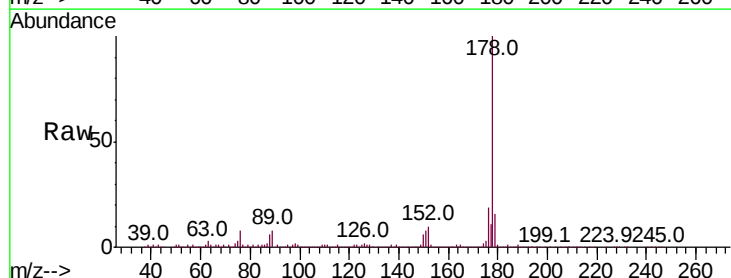
Tgt Ion:178 Resp: 388098

Ion Ratio Lower Upper

178 100

176 19.2 17.7 26.5

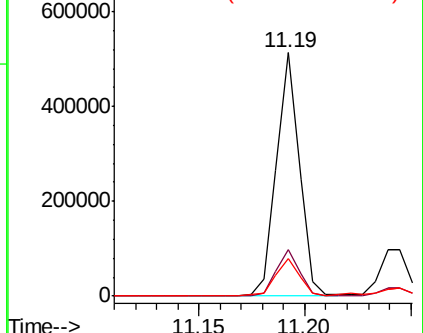
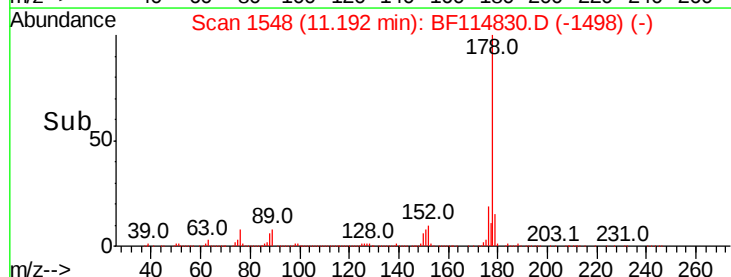
179 15.5 13.7 20.5

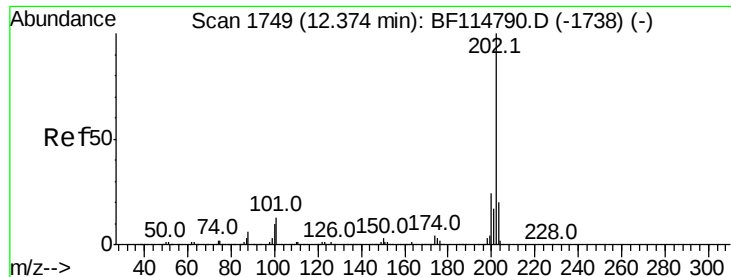


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 8.603 ng

RT: 12.37 min Scan# 1749

Delta R.T. 0.00 min

Lab File: BF114830.D

Acq: 5 Jun 2019 20:47

Instrument :

BNA_F

ClientSampleId :

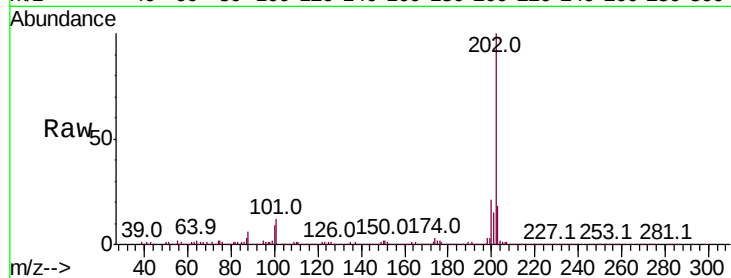
Tot Ion:202 Resp: 603031

Ion Ratio Lower Upper

202 100

101 12.0 0.0 32.8

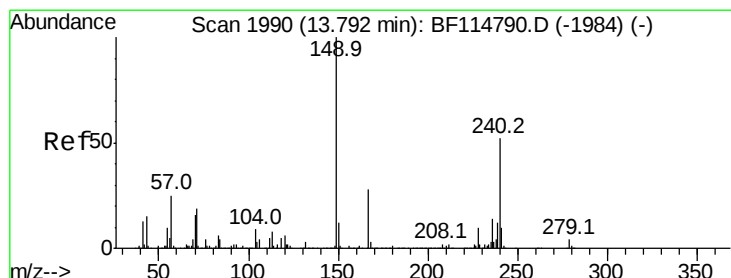
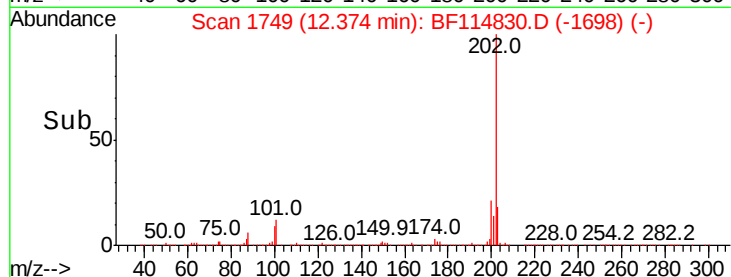
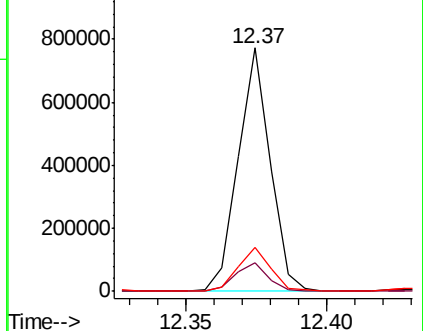
203 17.9 0.2 40.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.79 min Scan# 1990

Delta R.T. 0.00 min

Lab File: BF114830.D

Acq: 5 Jun 2019 20:47

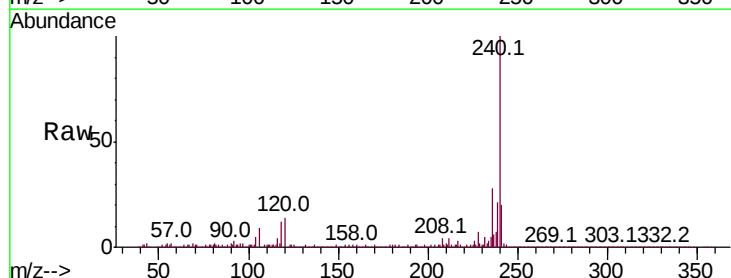
Tgt Ion:240 Resp: 926354

Ion Ratio Lower Upper

240 100

120 13.5 9.0 13.4#

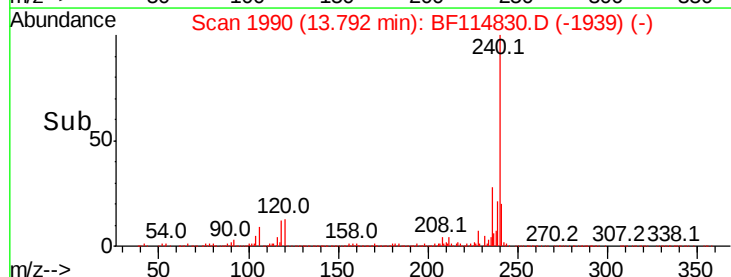
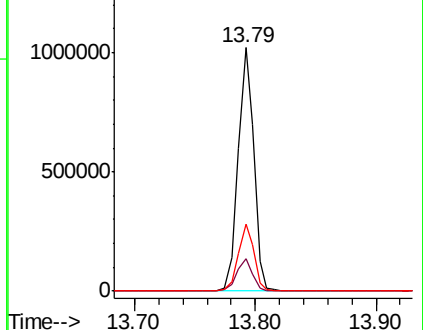
236 27.7 21.4 32.0

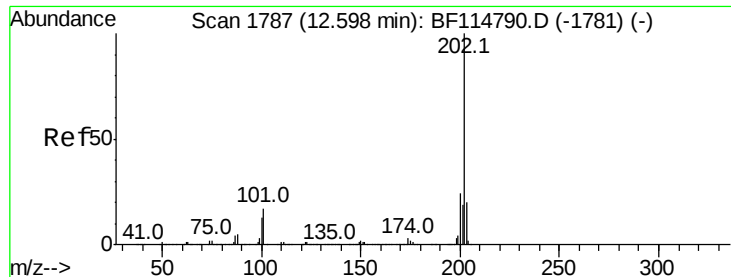


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 8.016 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BF114830.D

Acq: 5 Jun 2019 20:47

Instrument :

BNA_F

ClientSampleId :

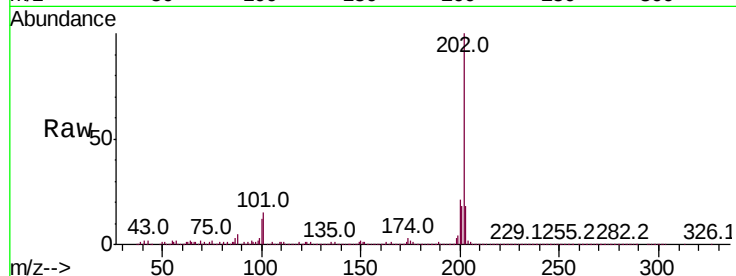
Tot Ion:202 Resp: 644221

Ion Ratio Lower Upper

202 100

200 21.5 19.2 28.8

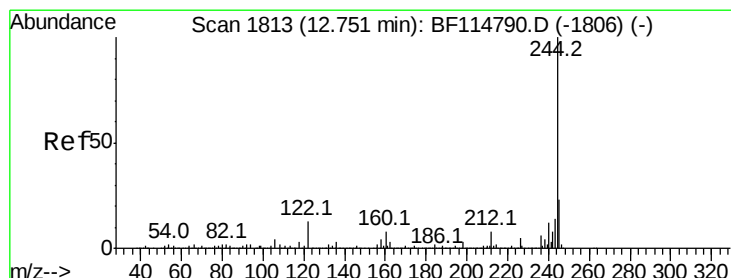
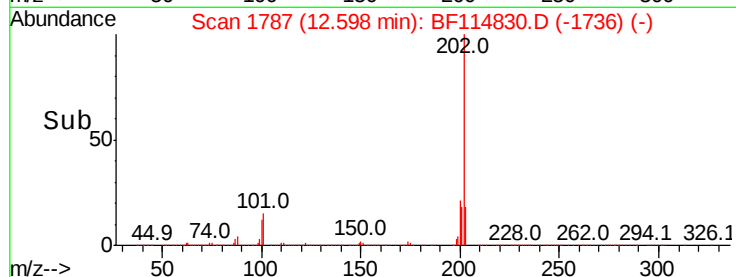
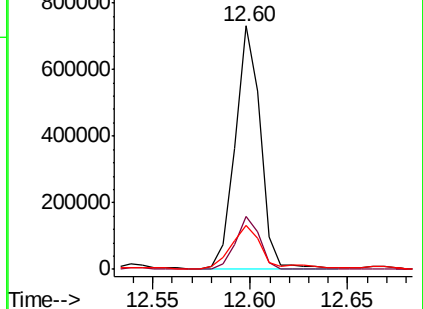
203 18.1 15.9 23.9



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: 49.638 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.01 min

Lab File: BF114830.D

Acq: 5 Jun 2019 20:47

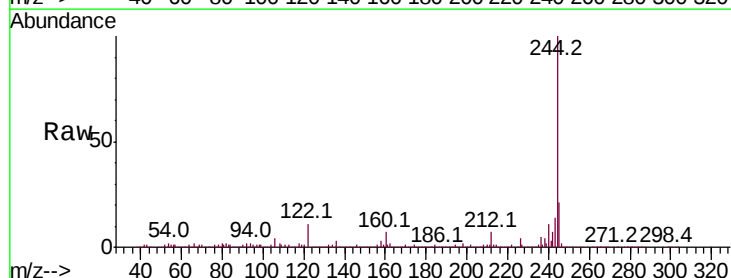
Tgt Ion:244 Resp: 2364435

Ion Ratio Lower Upper

244 100

212 6.9 6.5 9.7

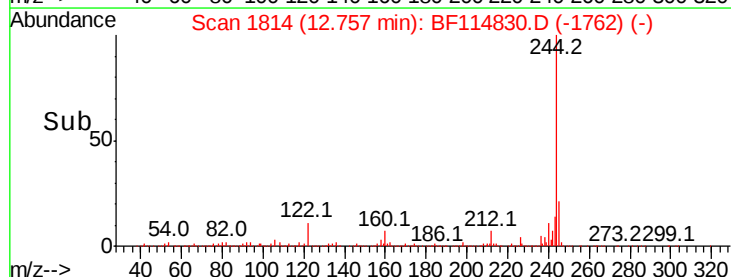
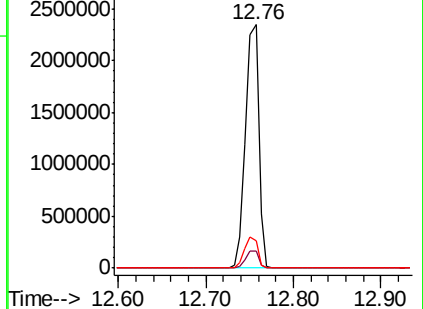
122 11.0 10.5 15.7

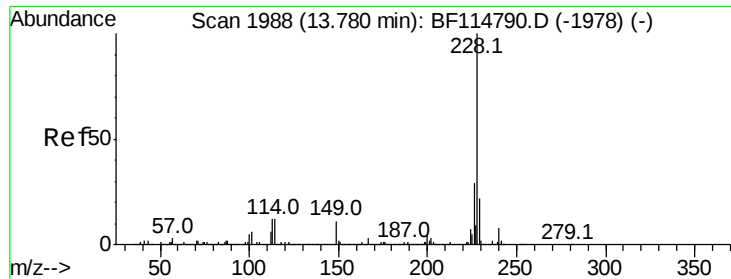


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

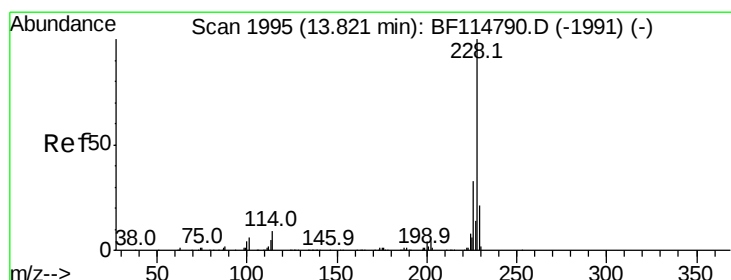
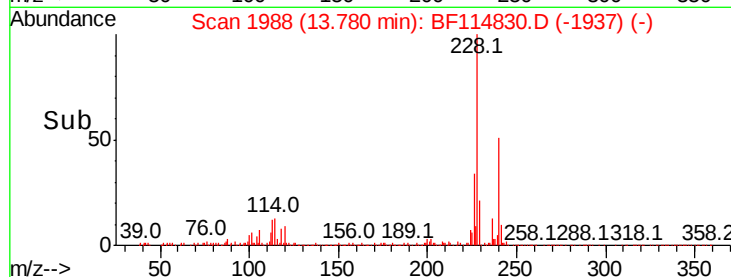
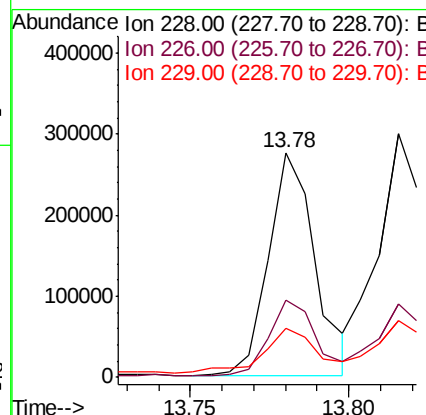
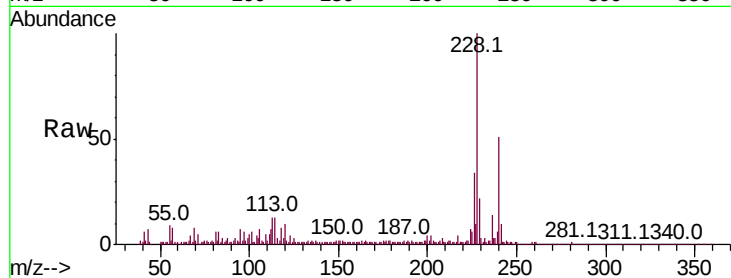




#81
Benzo(a)anthracene
Concen: 3.935 ng
RT: 13.78 min Scan# 1988
Delta R.T. 0.00 min
Lab File: BF114830.D
Acq: 5 Jun 2019 20:47

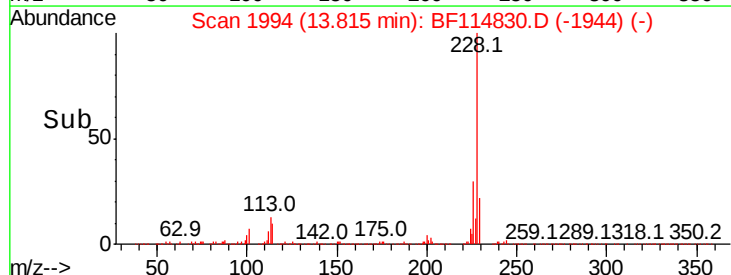
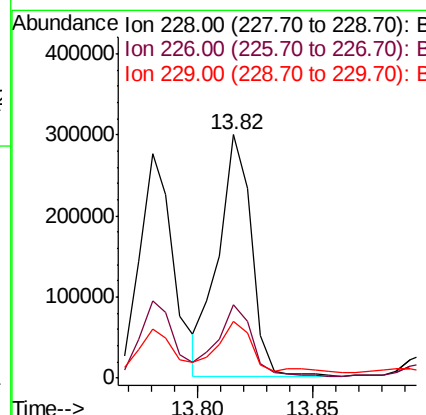
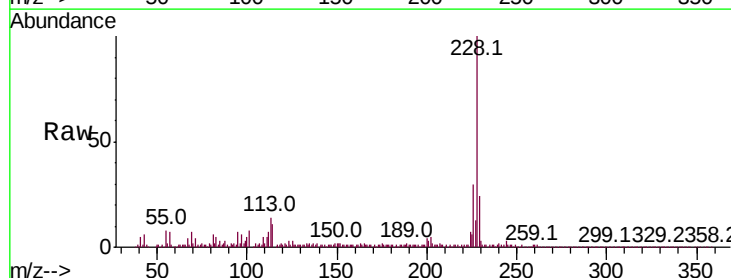
Instrument :
BNA_F
ClientSampleId :

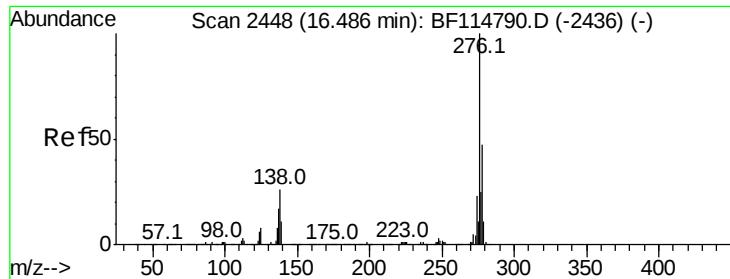
Tot Ion	Ratio	Lower	Upper
228	100		
226	34.2	23.4	35.2
229	21.9	17.4	26.0



#83
Chrysene
Concen: 4.255 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF114830.D
Acq: 5 Jun 2019 20:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	26.0	39.0
229	23.5	17.1	25.7

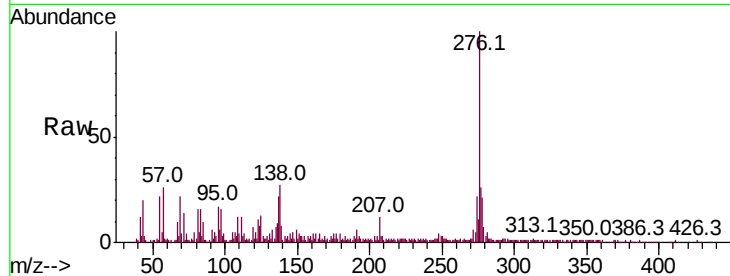




#86
Indeno(1,2,3-cd)pyrene
Concen: 2.026 ng
RT: 16.49 min Scan# 2449
Delta R.T. 0.01 min
Lab File: BF114830.D
Acq: 5 Jun 2019 20:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.1	22.2	33.4
277	24.6	20.6	30.8

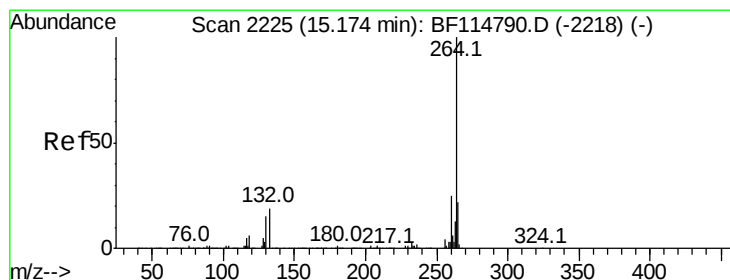
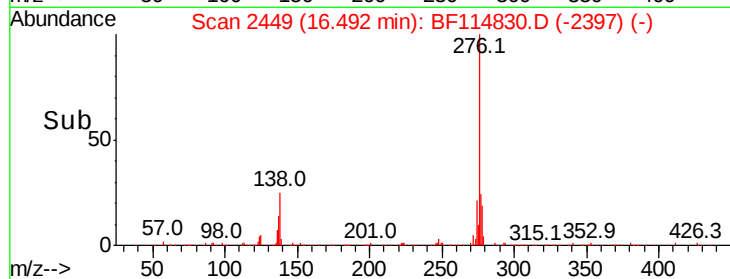
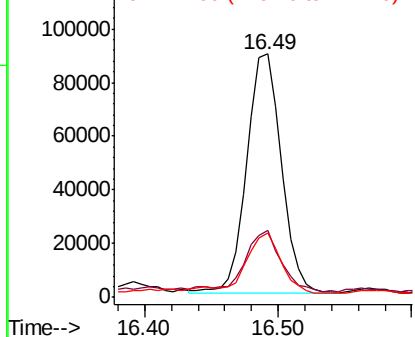


Abundance

Ion 276.00 (275.70 to 276.70): E

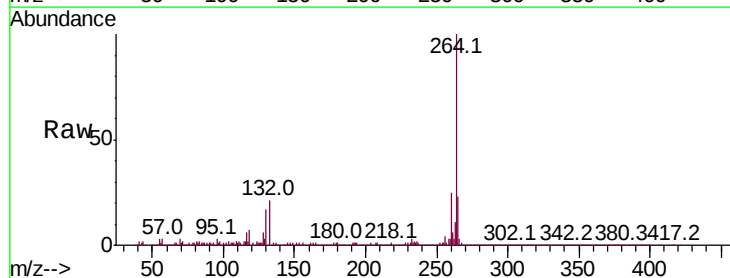
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.01 min
Lab File: BF114830.D
Acq: 5 Jun 2019 20:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.1	30.1
265	22.6	17.7	26.5

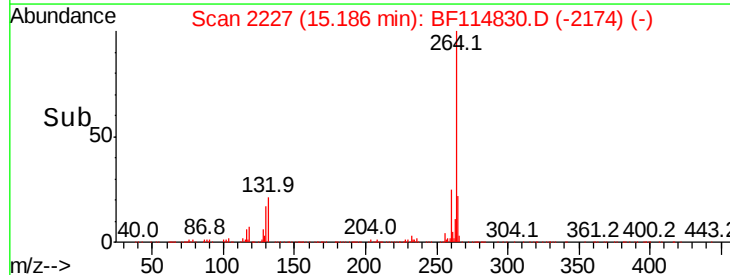
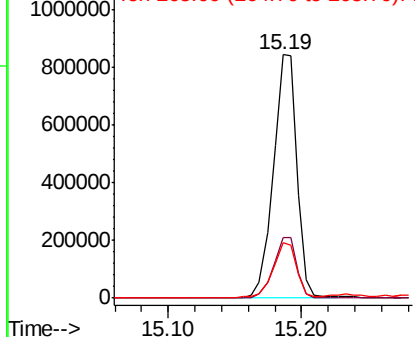


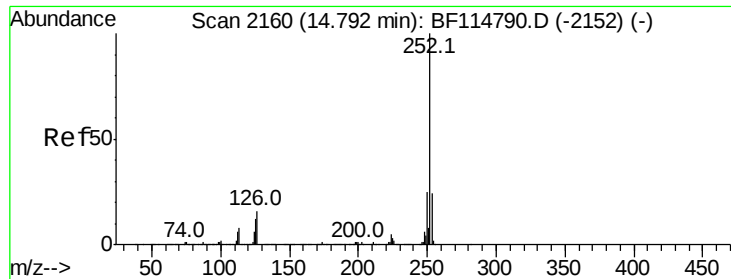
Abundance

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

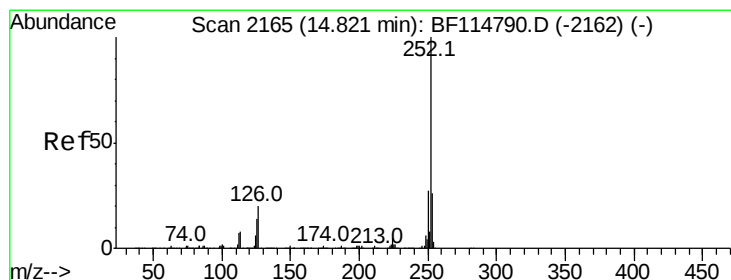
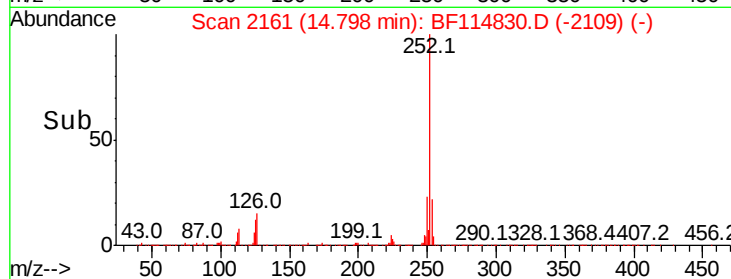
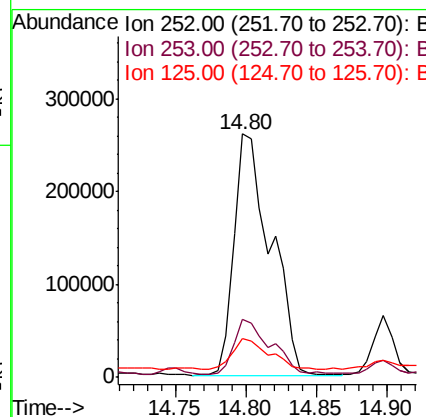
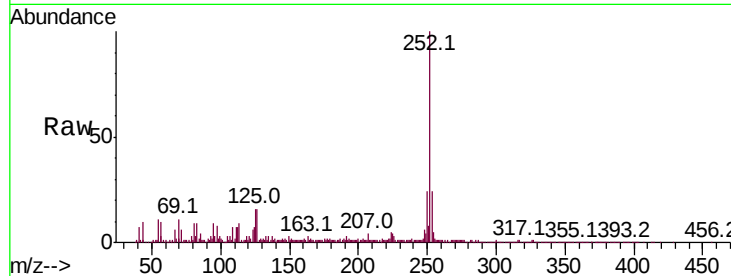




#88
Benzo(b)fluoranthene
Concen: 7.146 ng
RT: 14.80 min Scan# 2161
Delta R.T. 0.01 min
Lab File: BF114830.D
Acq: 5 Jun 2019 20:47

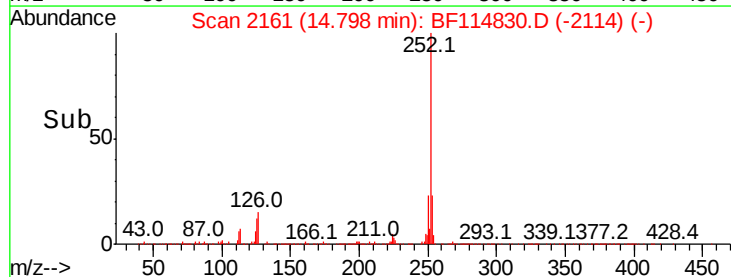
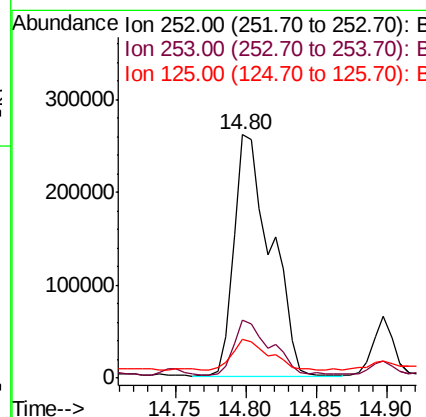
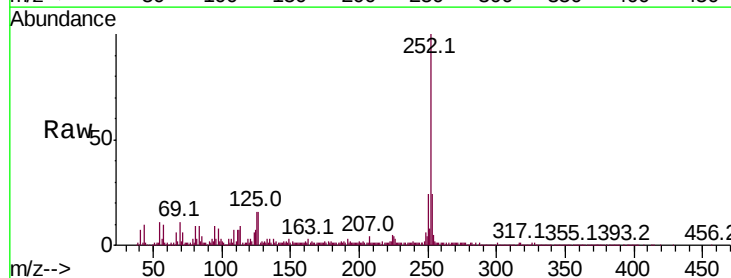
Instrument :
BNA_F
ClientSampleId :

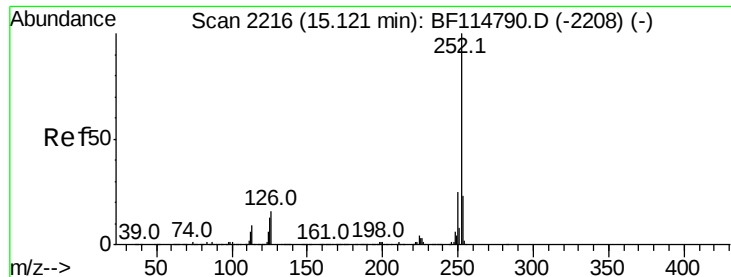
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.0	28.6
125	15.7	9.4	14.0



#89
Benzo(k)fluoranthene
Concen: 8.415 ng
RT: 14.80 min Scan# 2161
Delta R.T. -0.02 min
Lab File: BF114830.D
Acq: 5 Jun 2019 20:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.3	28.9
125	15.7	10.1	15.1

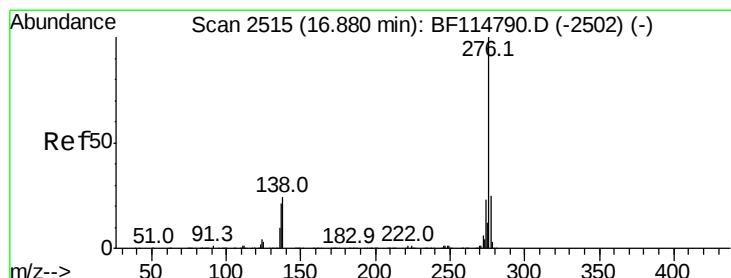
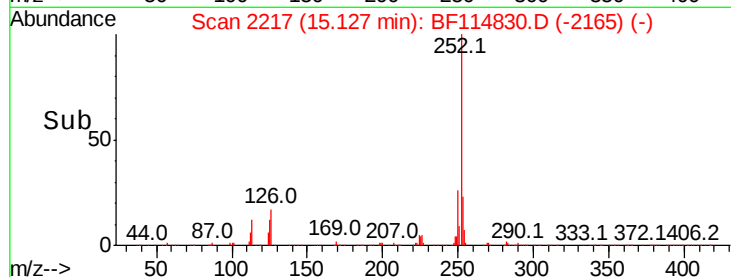
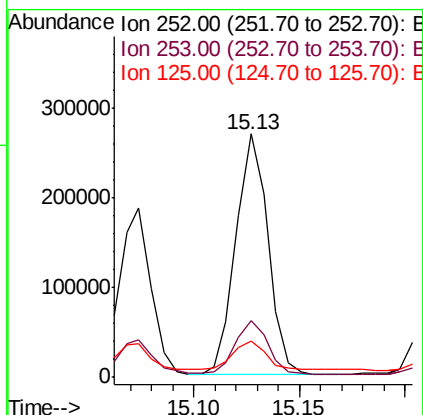
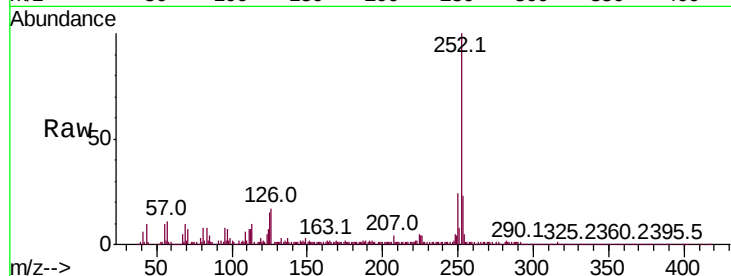




#90
Benzo(a)pyrene
Concen: 4.942 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF114830.D
Acq: 5 Jun 2019 20:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.5	27.7
125	14.8	10.1	15.1



#92
Benzo(g,h,i)perylene
Concen: 2.756 ng
RT: 16.88 min Scan# 2515
Delta R.T. 0.00 min
Lab File: BF114830.D
Acq: 5 Jun 2019 20:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.6	19.8	29.6
138	27.6	19.4	29.2

