

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030419\
 Data File : BF112822.D
 Acq On : 4 Mar 2019 14:18
 Operator : JU/SJ
 Sample : K1707-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S11

Quant Time: Mar 05 00:36:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	175692	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	676529	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	313584	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	567127	20.00	ng	0.00
76) Chrysene-d12	13.88	240	427598	20.00	ng	0.00
87) Perylene-d12	15.29	264	426646	20.00	ng	0.02

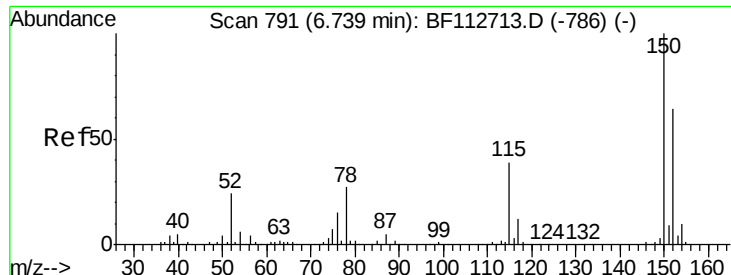
System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	1163242	102.99	ng	0.01
7) Phenol-d6	6.38	99	1547393	109.06	ng	0.01
23) Nitrobenzene-d5	7.30	82	980372	86.71	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	398849	119.81	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1500815	77.46	ng	0.00
79) Terphenyl-d14	12.84	244	1196755	54.25	ng	0.01

Target Compounds

						Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	130443	14.517	ng	# 78
25) Isophorone	7.30	82	955354	39.223	ng	# 66
50) Dimethylphthalate	9.49	163	102718	4.442	ng	99
54) 2,4-Dinitrophenol	10.06	184	479	6.677	ng	# 23
65) 4,6-Dinitro-2-methylphenol	10.56	198	903	4.963	ng	# 1
67) 4-Bromophenyl-phenylether	10.56	248	22705	3.801	ng	# 1
71) Phenanthrene	11.27	178	150745	5.342	ng	97
75) Fluoranthene	12.46	202	319037	10.553	ng	95
78) Pyrene	12.69	202	355079	9.850	ng	98
81) Benzo(a)anthracene	13.87	228	199200	6.722	ng	97
83) Chrysene	13.90	228	199611	6.876	ng	96
84) Bis(2-ethylhexyl)phthalate	13.87	149	44141	2.365	ng	99
88) Benzo(b)fluoranthene	14.89	252	323181	11.711	ng	98
89) Benzo(k)fluoranthene	14.89	252	323181	12.929	ng	99
90) Benzo(a)pyrene	15.23	252	161318	6.609	ng	99
92) Benzo(g,h,i)perylene	17.06	276	74251	3.550	ng	97

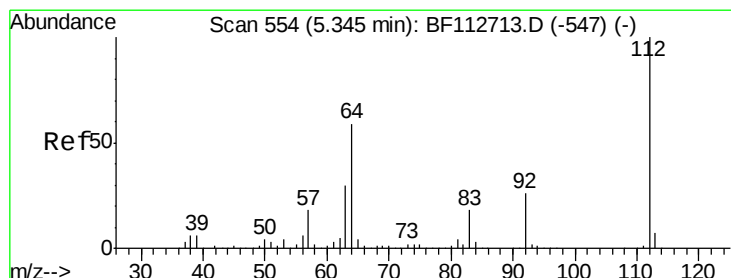
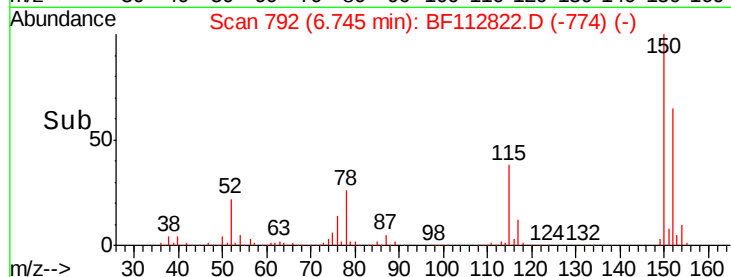
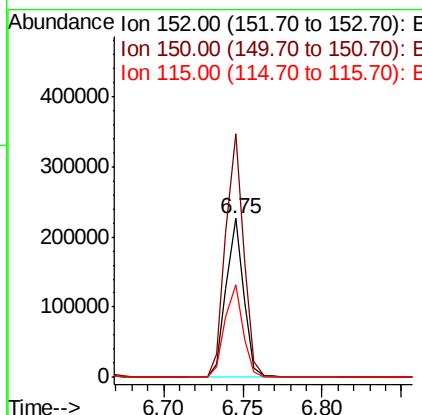
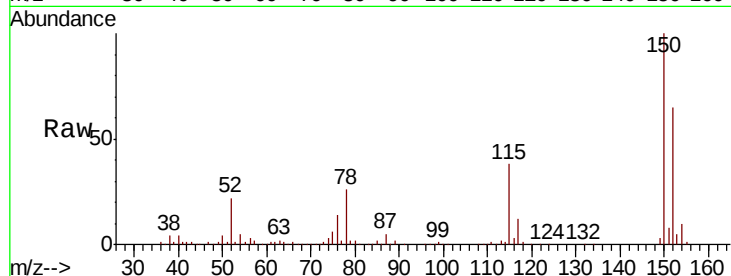
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.75 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: BF112822.D
 Acq: 4 Mar 2019 14:18

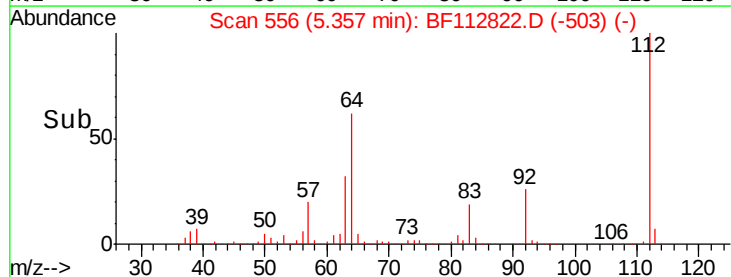
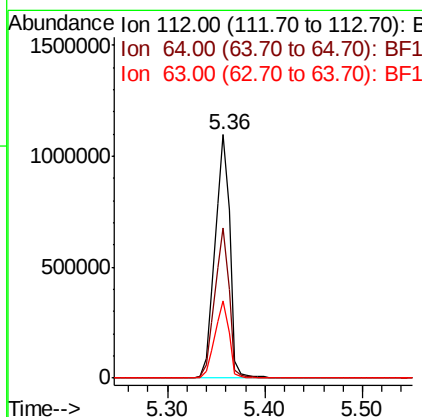
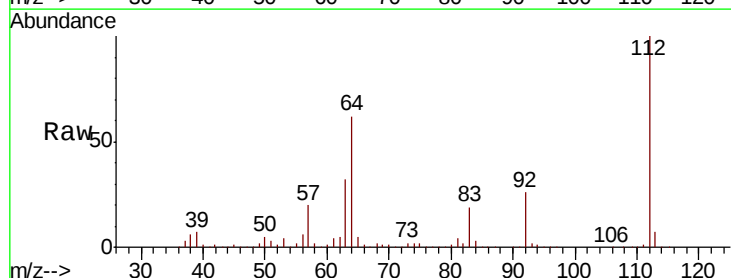
Instrument :
 BNA_F
 ClientSampleId :
 S11

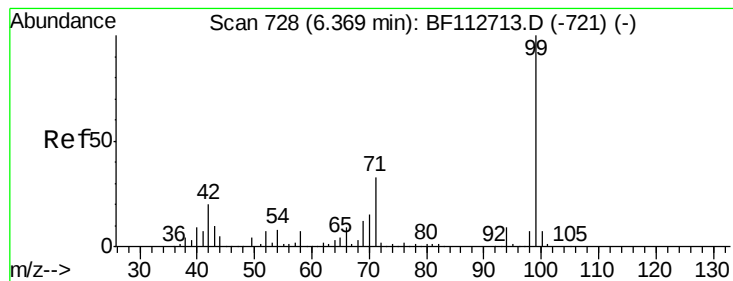
Tgt Ion:152 Resp: 175692
 Ion Ratio Lower Upper
 152 100
 150 153.1 124.2 186.2
 115 57.9 48.2 72.4



#5
 2-Fluorophenol
 Concen: 102.991 ng
 RT: 5.36 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF112822.D
 Acq: 4 Mar 2019 14:18

Tgt Ion:112 Resp: 1163242
 Ion Ratio Lower Upper
 112 100
 64 61.9 47.6 71.4
 63 31.9 24.4 36.6





#7

Phenol-d6

Concen: 109.065 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF112822.D

Acq: 4 Mar 2019 14:18

Instrument :

BNA_F

ClientSampleId :

S11

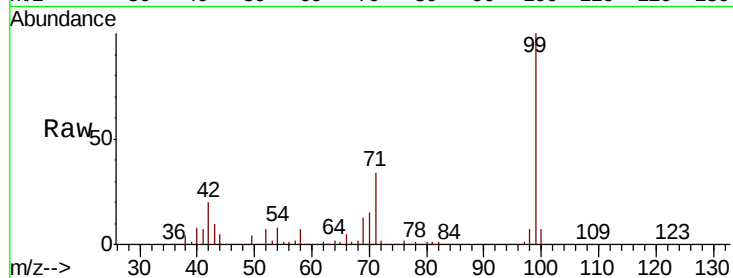
Tgt Ion: 99 Resp: 1547393

Ion Ratio Lower Upper

99 100

42 20.0 16.3 24.5

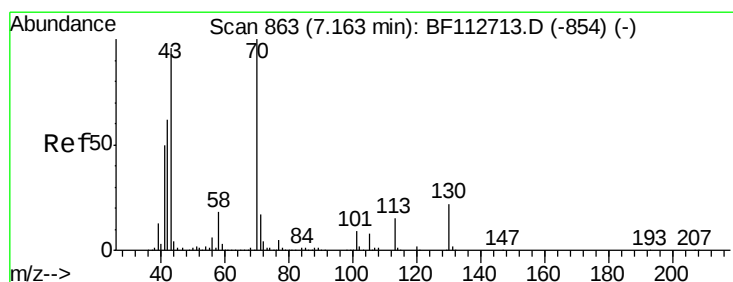
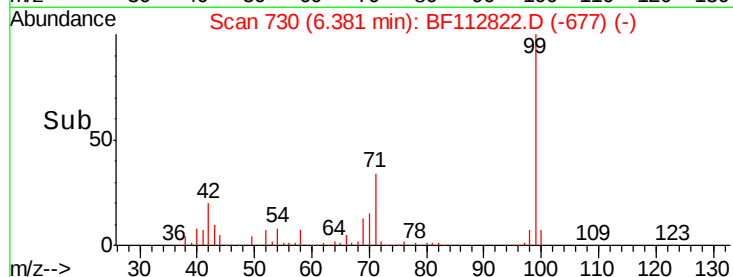
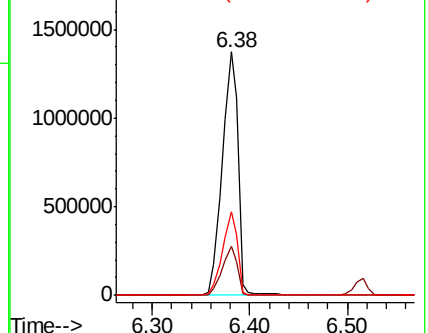
71 34.2 26.2 39.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.517 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.14 min

Lab File: BF112822.D

Acq: 4 Mar 2019 14:18

Tgt Ion: 70 Resp: 130443

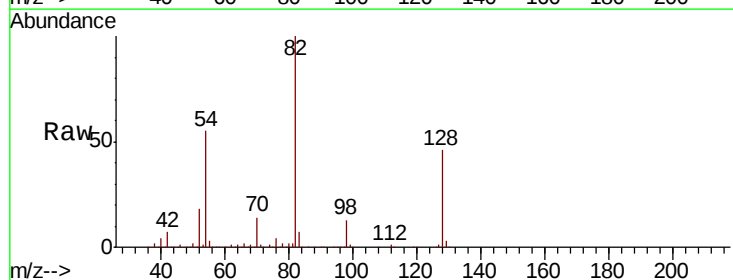
Ion Ratio Lower Upper

70 100

42 50.9 49.9 74.9

101 0.0 7.4 11.2#

130 2.4 17.4 26.2#

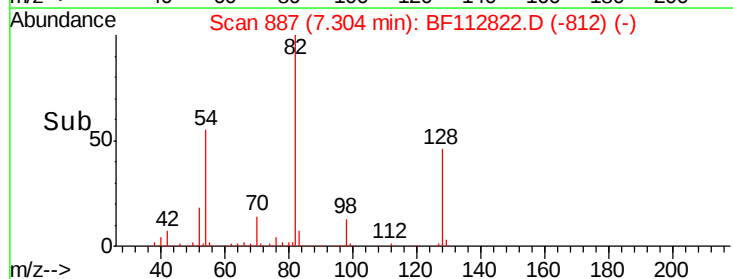
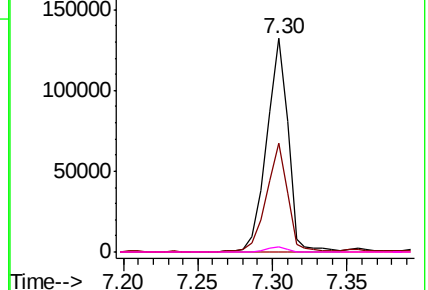


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

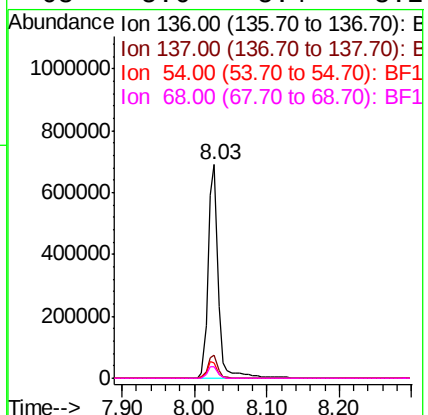
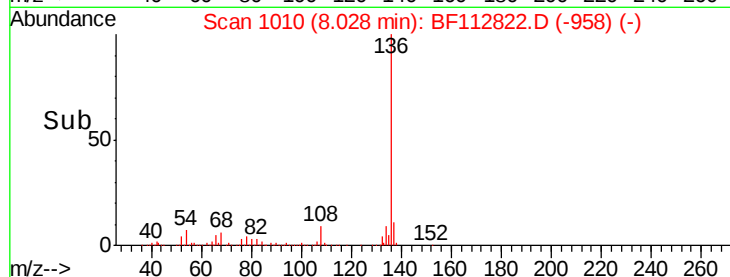
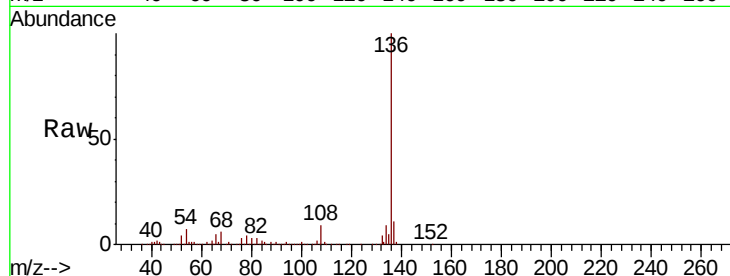




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.01 min
Lab File: BF112822.D
Acq: 4 Mar 2019 14:18

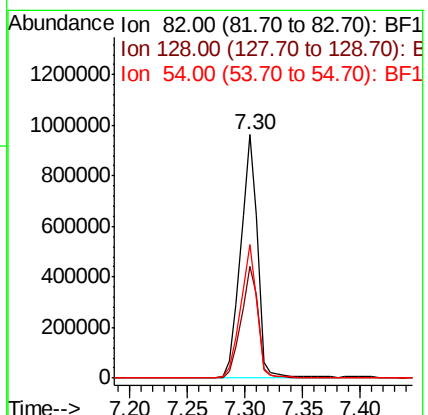
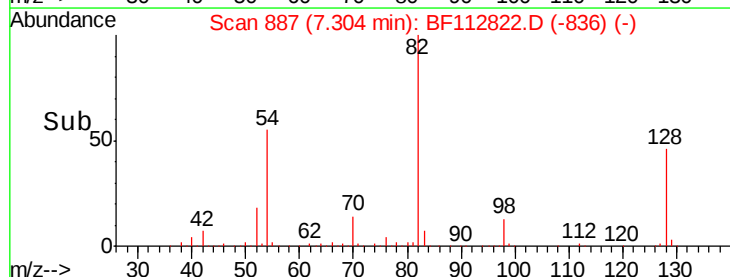
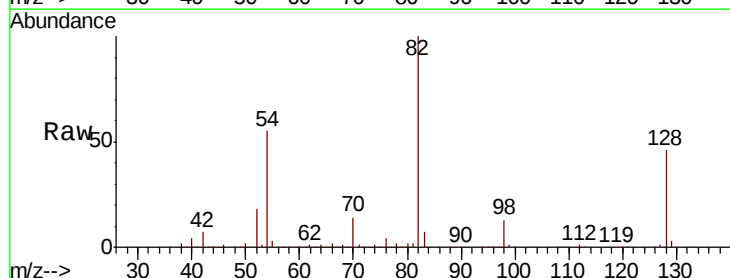
Instrument :
BNA_F
ClientSampleId :
S11

Tgt Ion:	136	Resp:	676529
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.5	7.3	10.9
68	5.6	5.4	8.2



#23
Nitrobenzene-d5
Concen: 86.712 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.00 min
Lab File: BF112822.D
Acq: 4 Mar 2019 14:18

Tgt Ion:	82	Resp:	980372
Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.3	54.5
54	54.7	43.7	65.5

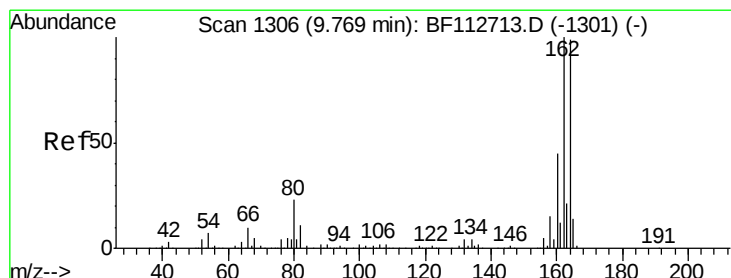
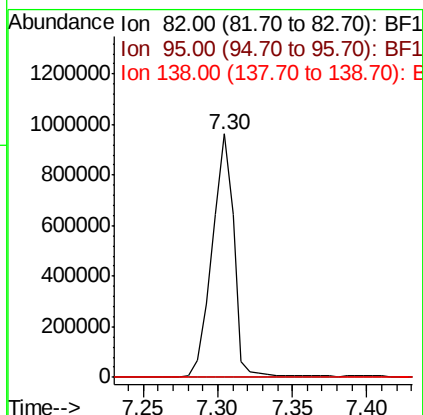
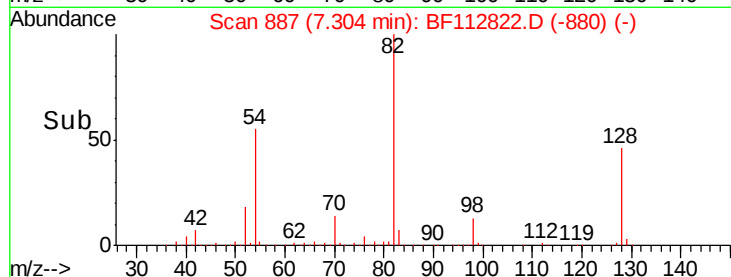
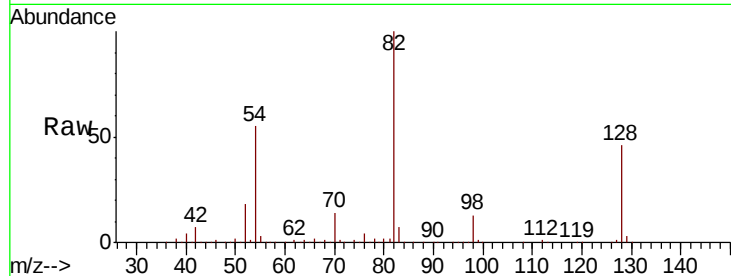




#25
Isophorone
Concen: 39.223 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.26 min
Lab File: BF112822.D
Acq: 4 Mar 2019 14:18

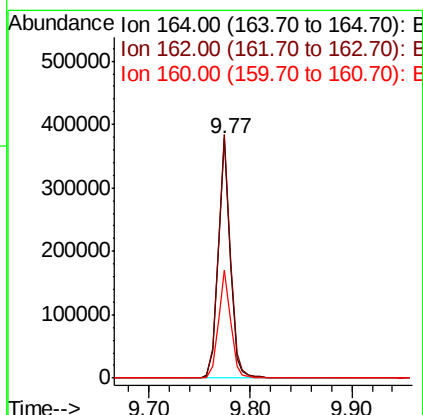
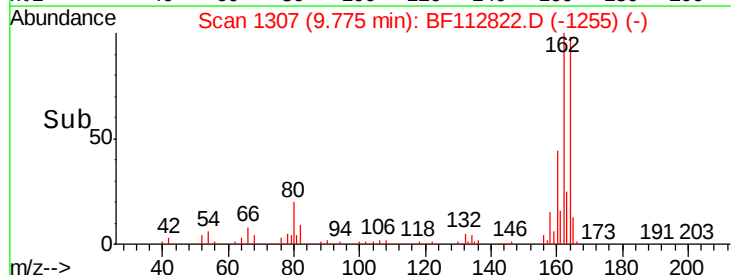
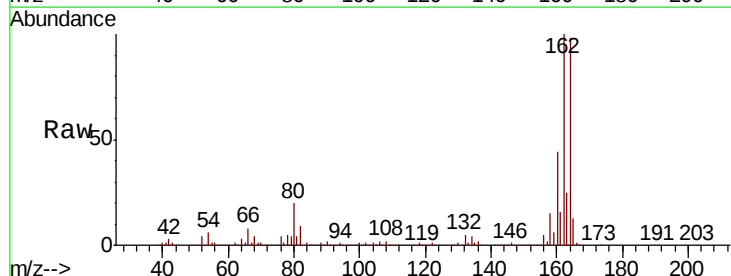
Instrument :
BNA_F
ClientSampleId :
S11

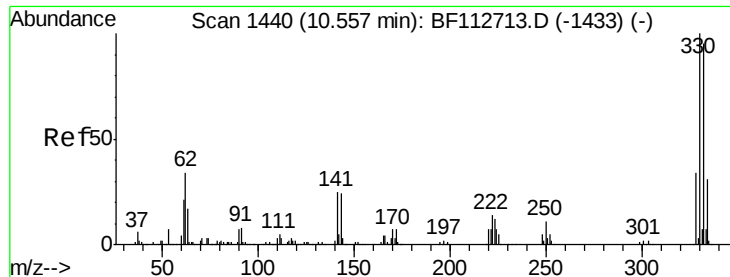
Tgt Ion: 82 Resp: 955354
Ion Ratio Lower Upper
82 100
95 0.1 5.2 7.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BF112822.D
Acq: 4 Mar 2019 14:18

Tgt Ion: 164 Resp: 313584
Ion Ratio Lower Upper
164 100
162 101.8 80.6 120.8
160 45.2 36.0 54.0

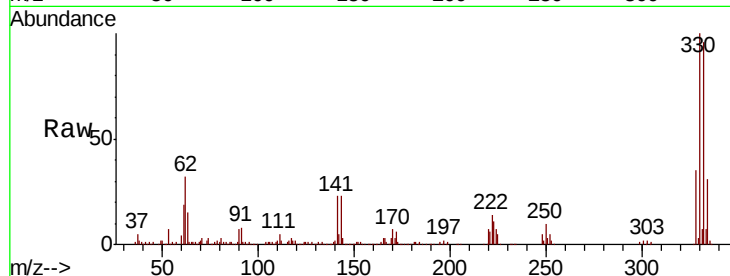




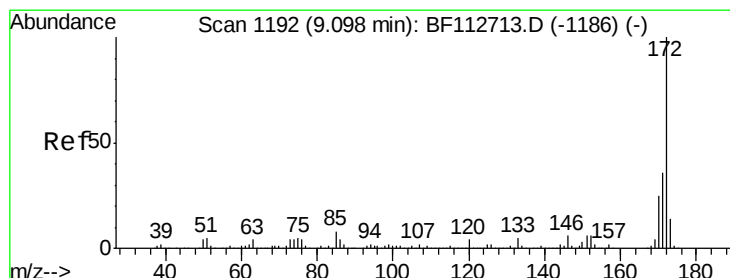
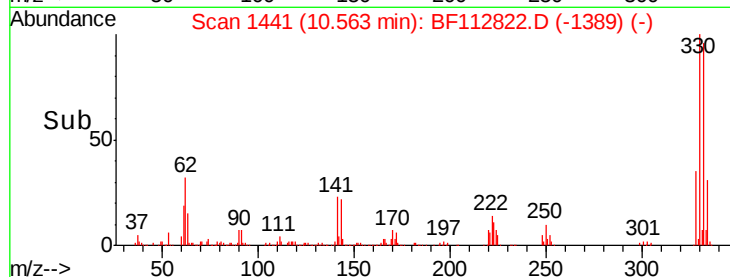
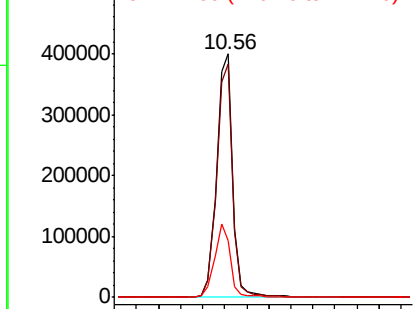
#42
 2,4,6-Tribromophenol
 Concen: 119.807 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: BF112822.D
 Acq: 4 Mar 2019 14:18

Instrument :
 BNA_F
 ClientSampled :
 S11

Tgt Ion:330 Resp: 398849
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.2 114.4
 141 28.8 27.0 40.6

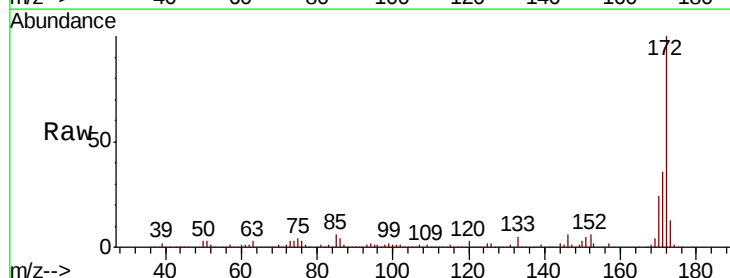


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

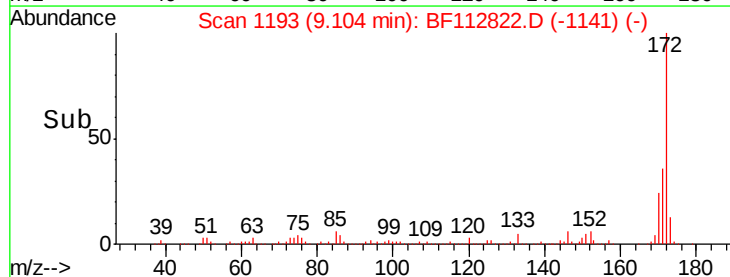
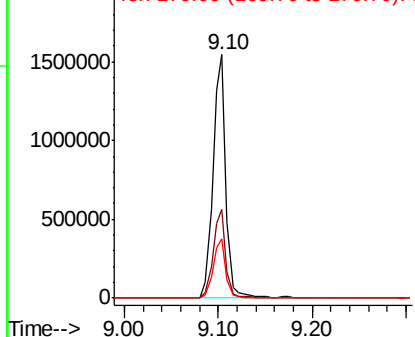


#45
 2-Fluorobiphenyl
 Concen: 77.459 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: BF112822.D
 Acq: 4 Mar 2019 14:18

Tgt Ion:172 Resp: 1500815
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.0 43.4
 170 24.4 20.0 30.0



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

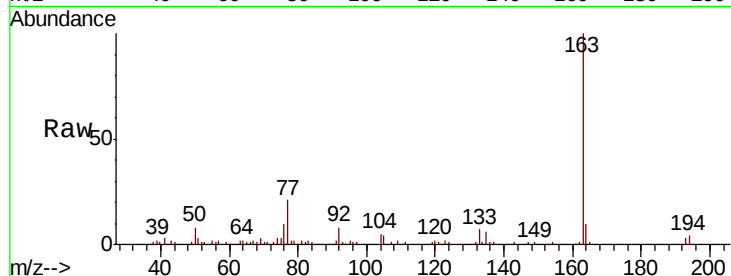




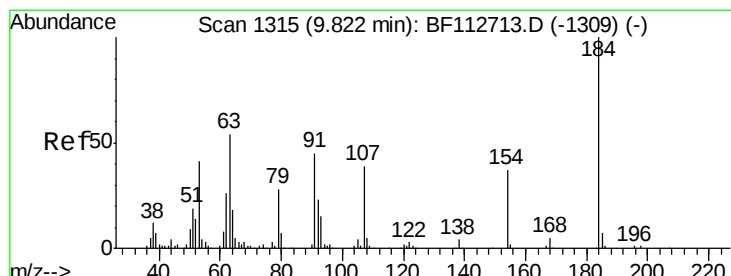
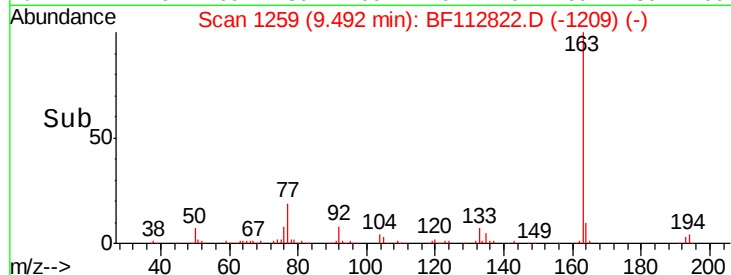
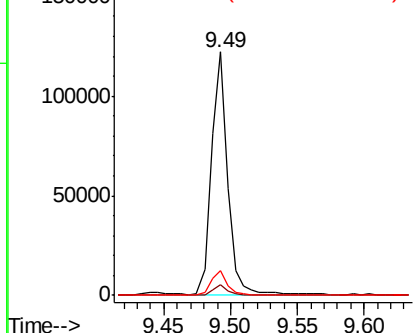
#50
Dimethylphthalate
Concen: 4.442 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF112822.D
Acq: 4 Mar 2019 14:18

Instrument :
BNA_F
ClientSampleId :
S11

Tgt Ion:163 Resp: 102718
Ion Ratio Lower Upper
163 100
194 4.3 3.0 4.4
164 10.1 8.4 12.6

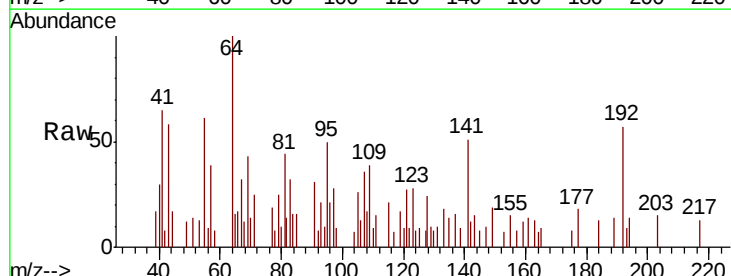


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

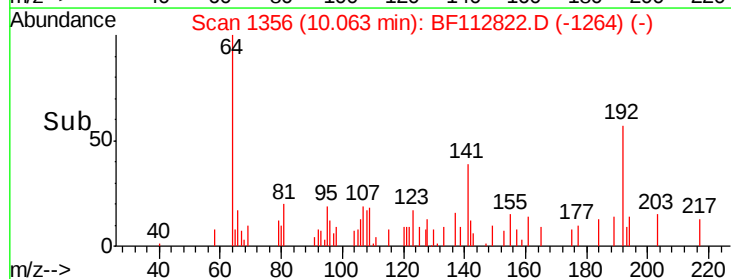
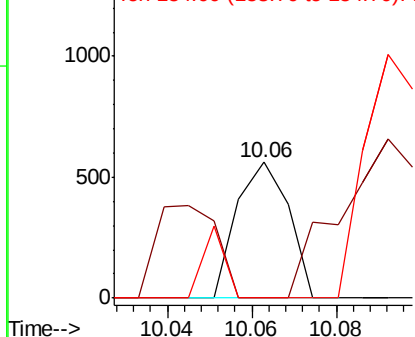


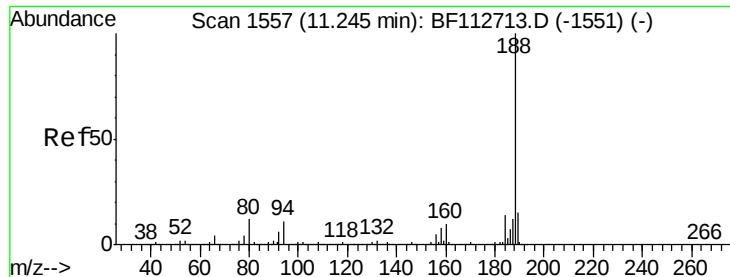
#54
2,4-Dinitrophenol
Concen: 6.677 ng
RT: 10.06 min Scan# 1356
Delta R.T. 0.24 min
Lab File: BF112822.D
Acq: 4 Mar 2019 14:18

Tgt Ion:184 Resp: 479
Ion Ratio Lower Upper
184 100
63 0.0 45.3 67.9#
154 0.0 46.0 69.0#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BF112822.D

Acq: 4 Mar 2019 14:18

Instrument :

BNA_F

ClientSampleId :

S11

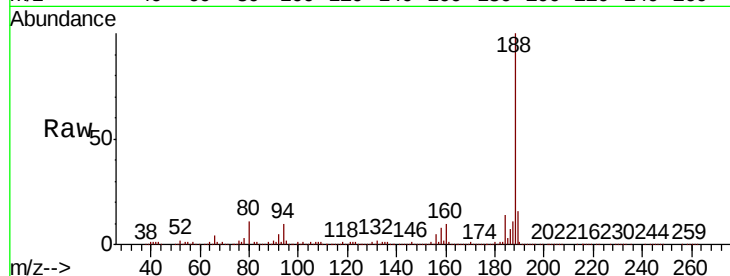
Tgt Ion:188 Resp: 567127

Ion Ratio Lower Upper

188 100

94 10.2 9.0 13.4

80 10.9 9.2 13.8



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

11.25

800000

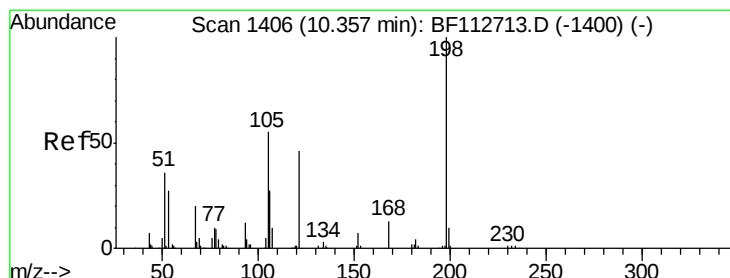
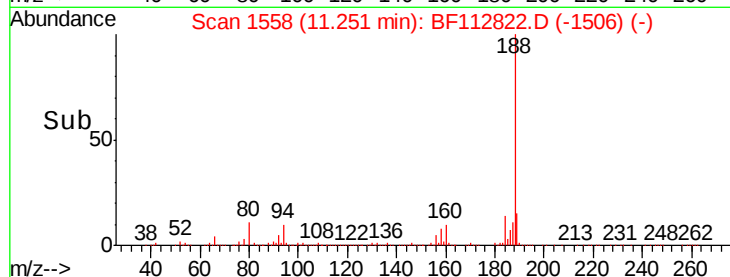
600000

400000

200000

0

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 4.963 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.20 min

Lab File: BF112822.D

Acq: 4 Mar 2019 14:18

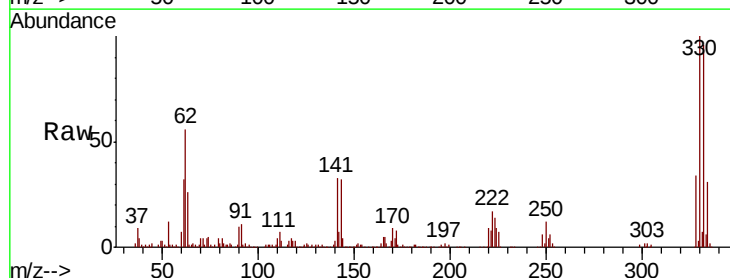
Tgt Ion:198 Resp: 903

Ion Ratio Lower Upper

198 100

51 245.3 43.8 83.8#

105 326.8 36.5 76.5#



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

4000

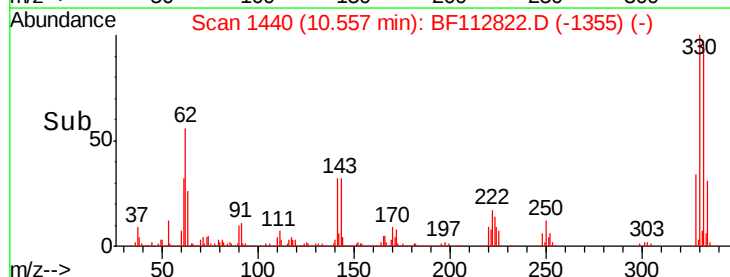
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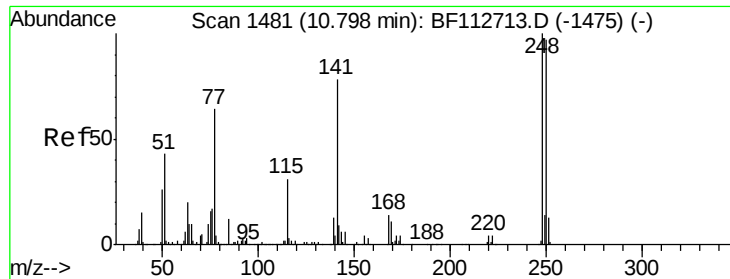
2000

1000

0

Time-->

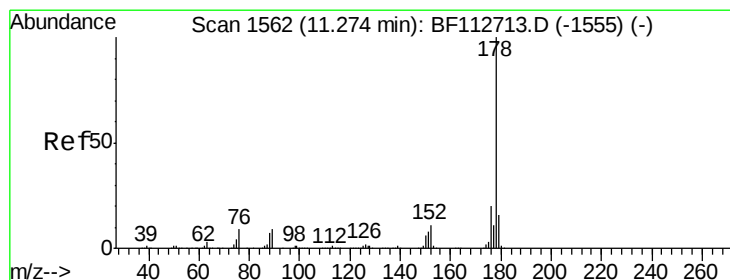
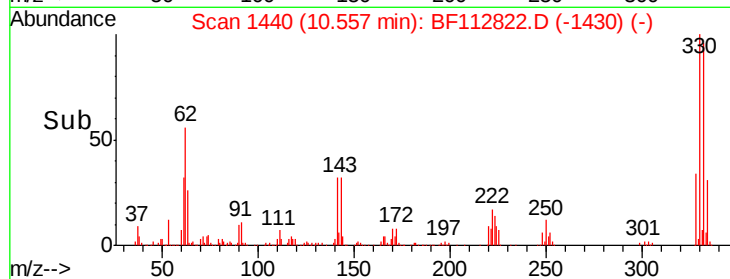
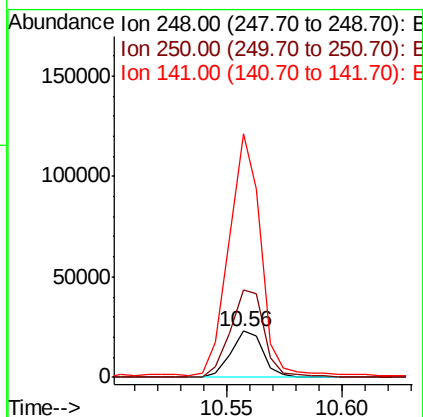
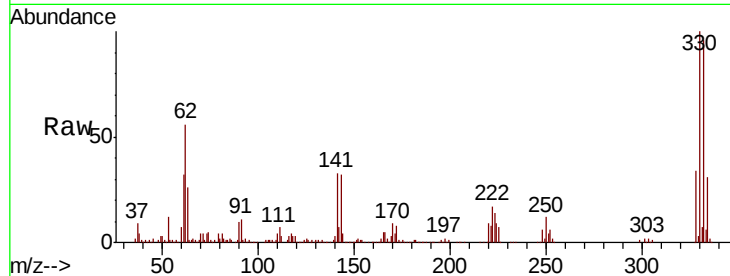




#67
 4-Bromophenyl-phenylether
 Concen: 3.801 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF112822.D
 Acq: 4 Mar 2019 14:18

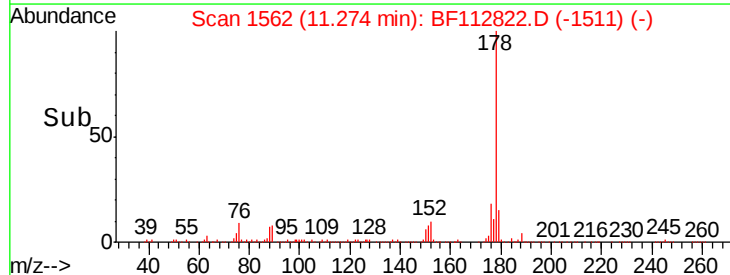
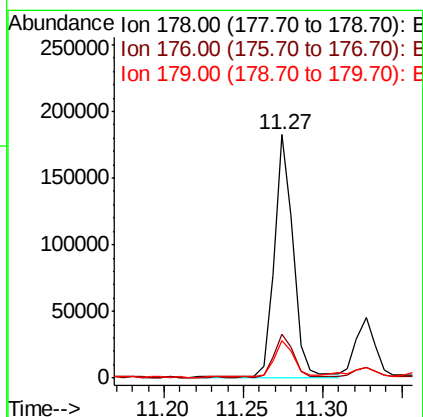
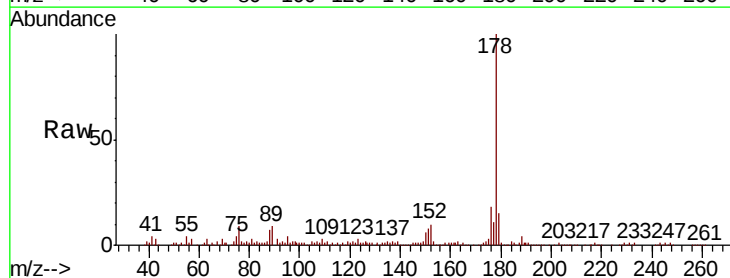
Instrument :
 BNA_F
 ClientSampleId :
 S11

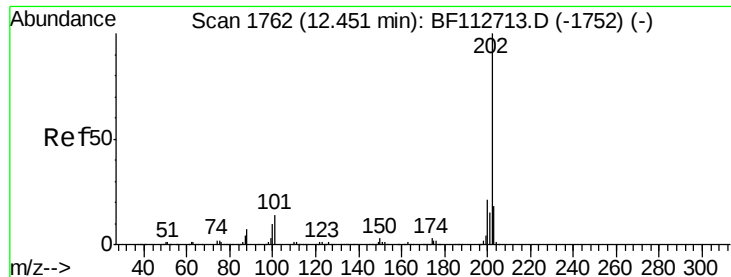
Tgt Ion:248 Resp: 22705
 Ion Ratio Lower Upper
 248 100
 250 189.5 77.5 116.3#
 141 527.3 62.4 93.6#



#71
 Phenanthrene
 Concen: 5.342 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: BF112822.D
 Acq: 4 Mar 2019 14:18

Tgt Ion:178 Resp: 150745
 Ion Ratio Lower Upper
 178 100
 176 18.2 16.3 24.5
 179 15.3 12.7 19.1





#75

Fluoranthene

Concen: 10.553 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BF112822.D

Acq: 4 Mar 2019 14:18

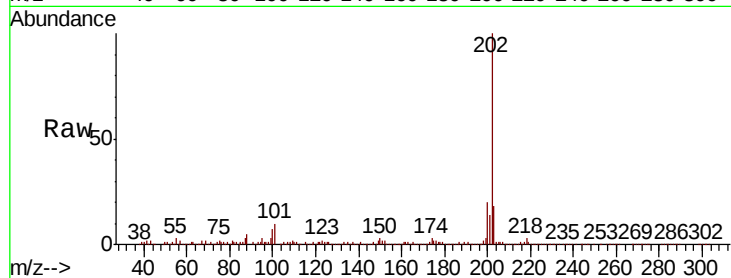
Instrument :

BNA_F

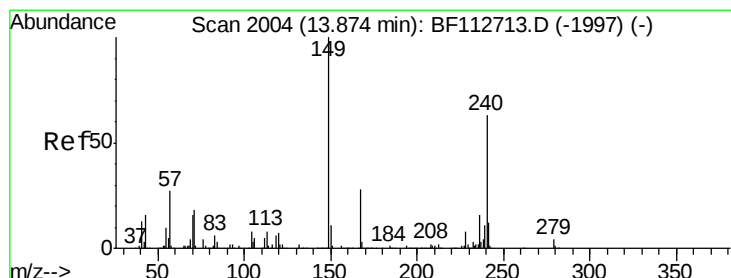
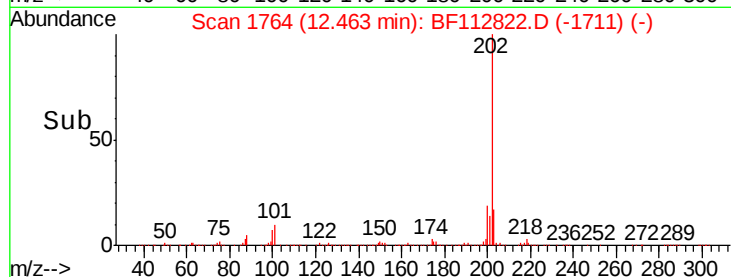
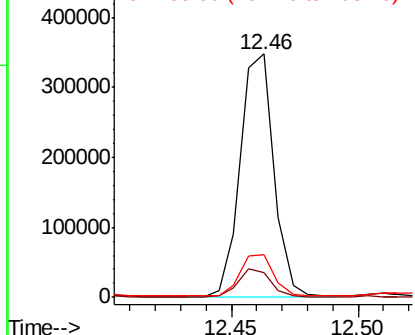
ClientSampleId :

S11

Tgt Ion:	202	Resp:	319037
Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	33.8
203	17.5	0.0	38.4



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

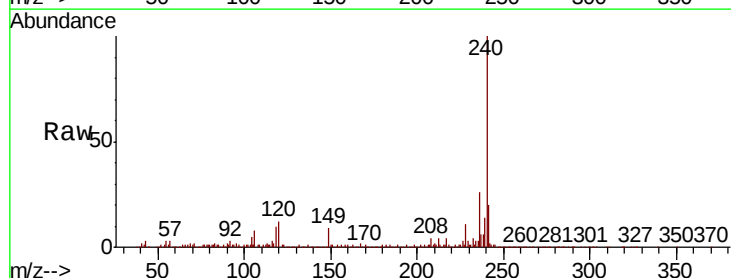
RT: 13.88 min Scan# 2005

Delta R.T. 0.01 min

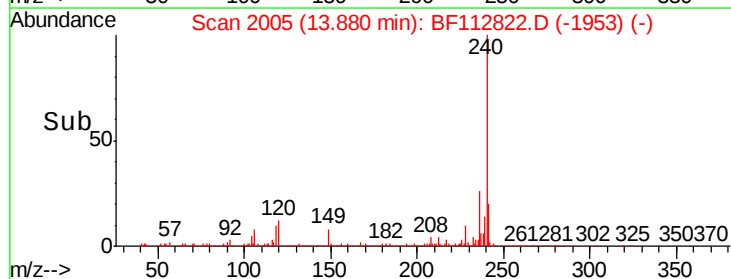
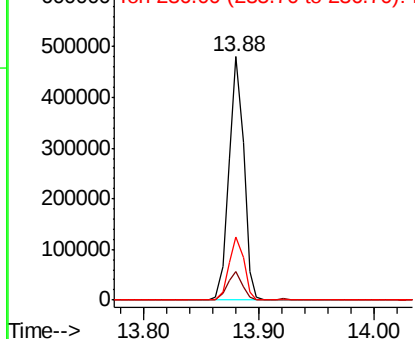
Lab File: BF112822.D

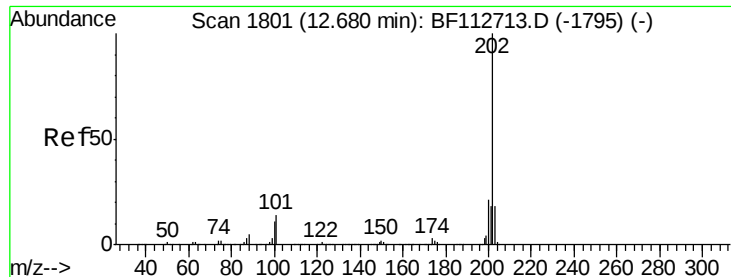
Acq: 4 Mar 2019 14:18

Tgt Ion:	240	Resp:	427598
Ion	Ratio	Lower	Upper
240	100		
120	11.7	8.9	13.3
236	26.1	20.7	31.1



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

Pyrene

Concen: 9.850 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.01 min

Lab File: BF112822.D

Acq: 4 Mar 2019 14:18

Instrument :

BNA_F

ClientSampled :

S11

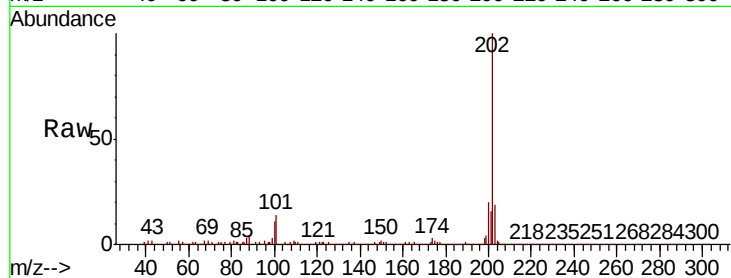
Tgt Ion:202 Resp: 355079

Ion Ratio Lower Upper

202 100

200 20.0 17.0 25.4

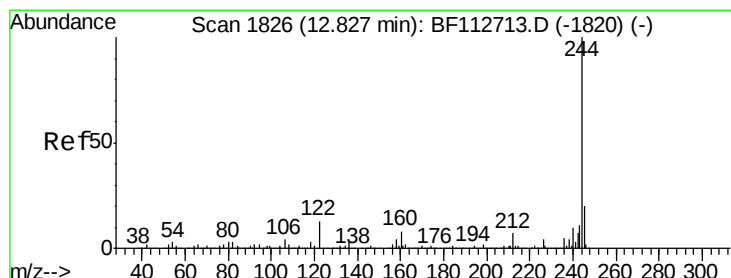
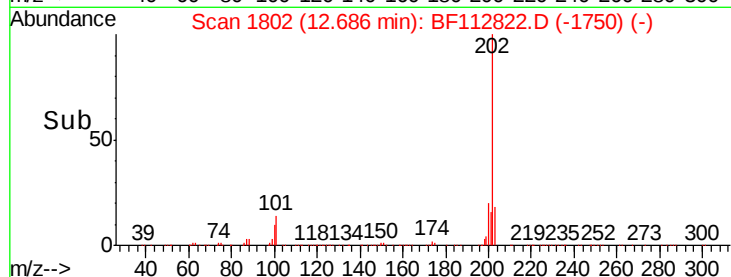
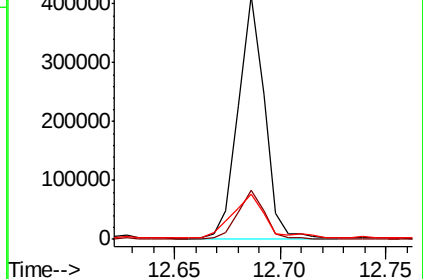
203 18.6 14.4 21.6



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: 54.254 ng

RT: 12.84 min Scan# 1828

Delta R.T. 0.01 min

Lab File: BF112822.D

Acq: 4 Mar 2019 14:18

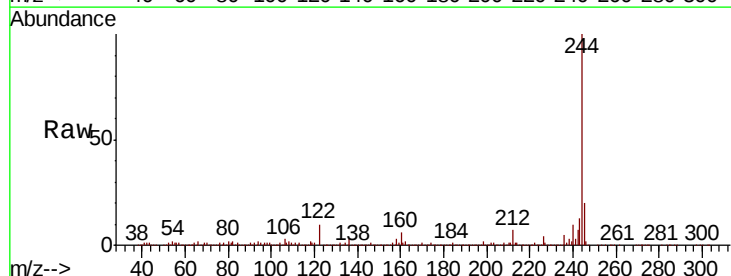
Tgt Ion:244 Resp: 1196755

Ion Ratio Lower Upper

244 100

212 6.5 5.6 8.4

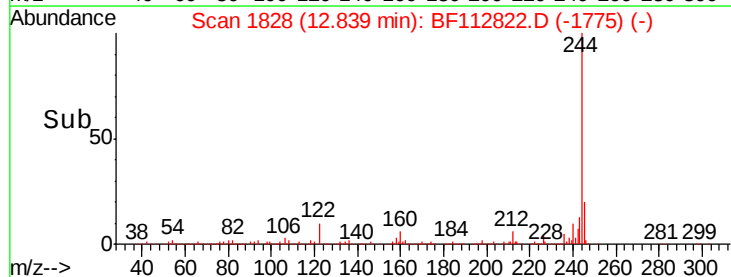
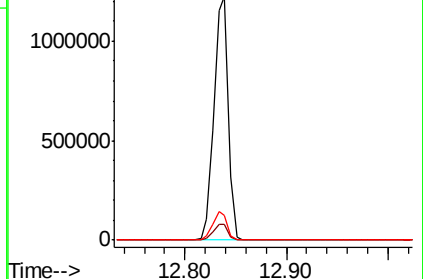
122 10.0 10.5 15.7#

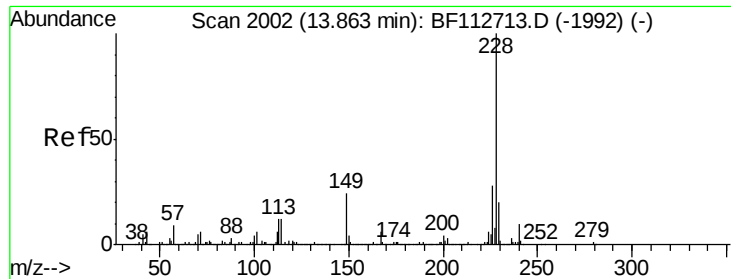


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

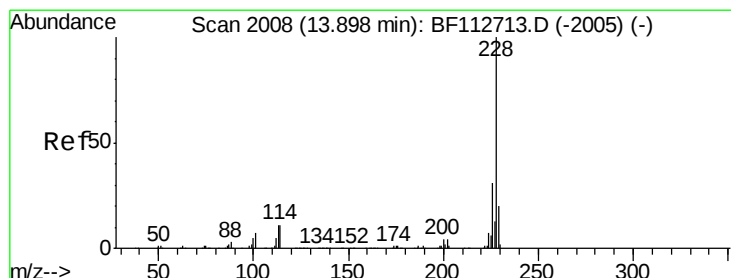
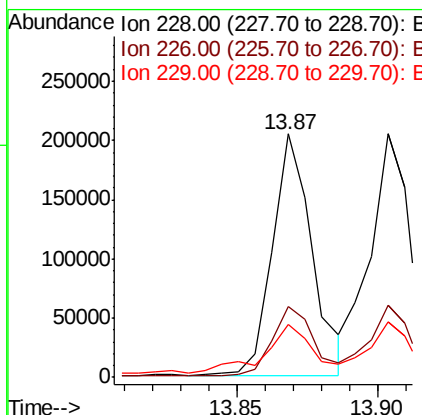
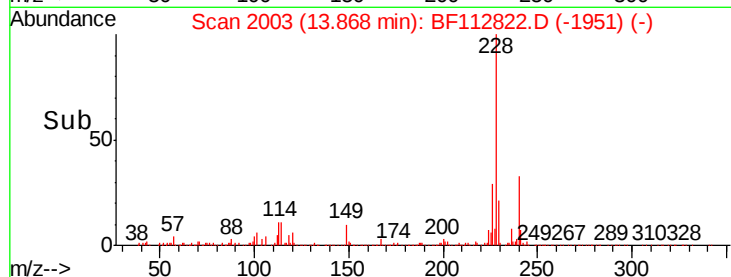
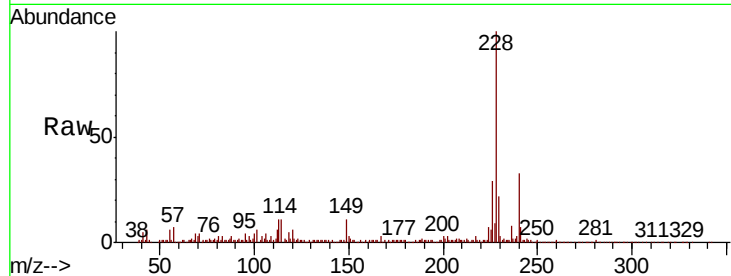




#81
Benzo(a)anthracene
Concen: 6.722 ng
RT: 13.87 min Scan# 2003
Delta R.T. 0.01 min
Lab File: BF112822.D
Acq: 4 Mar 2019 14:18

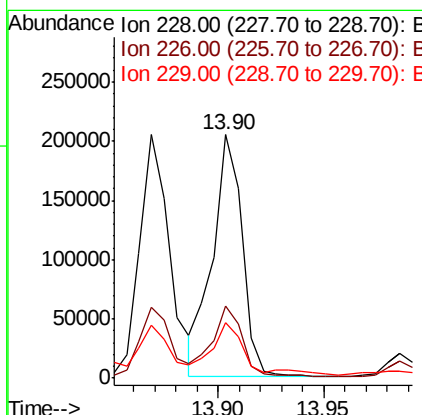
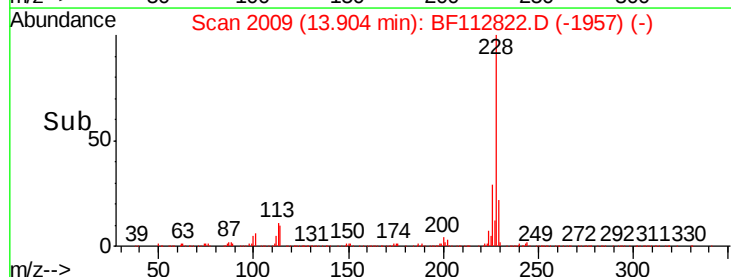
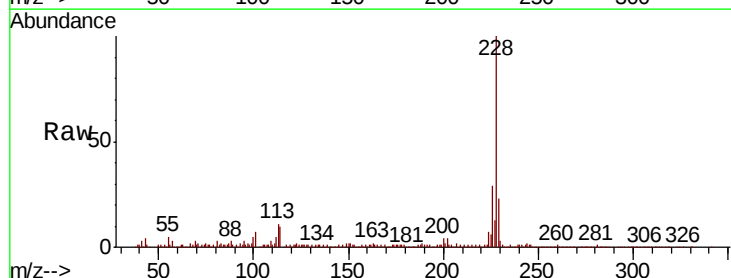
Instrument :
BNA_F
ClientSampled :
S11

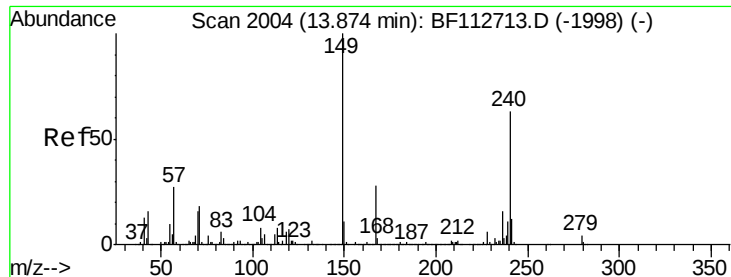
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.2	33.4
229	21.8	16.0	24.0



#83
Chrysene
Concen: 6.876 ng
RT: 13.90 min Scan# 2009
Delta R.T. 0.01 min
Lab File: BF112822.D
Acq: 4 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.9	37.3
229	22.8	16.3	24.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.365 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF112822.D

Acq: 4 Mar 2019 14:18

Instrument :

BNA_F

ClientSampleId :

S11

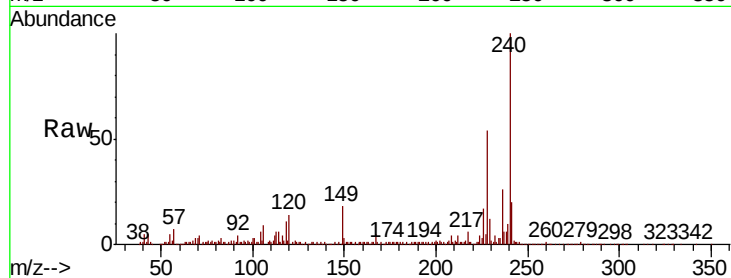
Tgt Ion:149 Resp: 44141

Ion Ratio Lower Upper

149 100

167 27.5 22.4 33.6

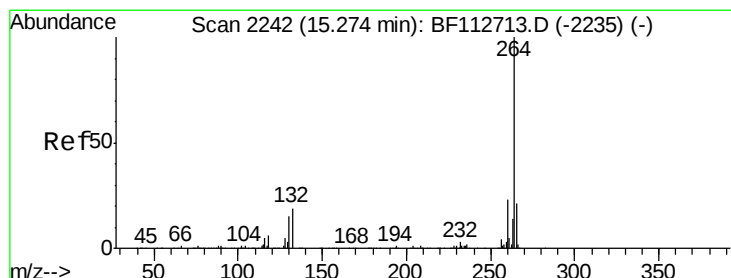
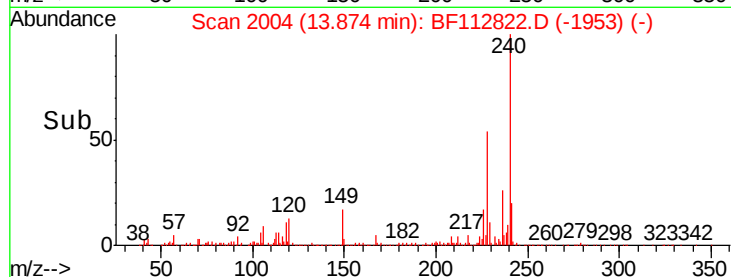
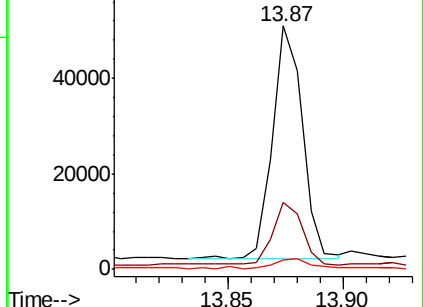
279 4.0 3.3 4.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2245

Delta R.T. 0.02 min

Lab File: BF112822.D

Acq: 4 Mar 2019 14:18

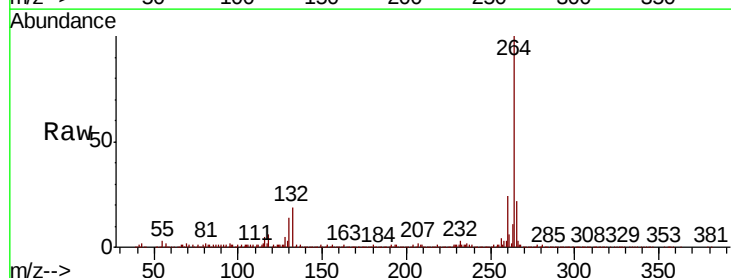
Tgt Ion:264 Resp: 426646

Ion Ratio Lower Upper

264 100

260 23.9 18.7 28.1

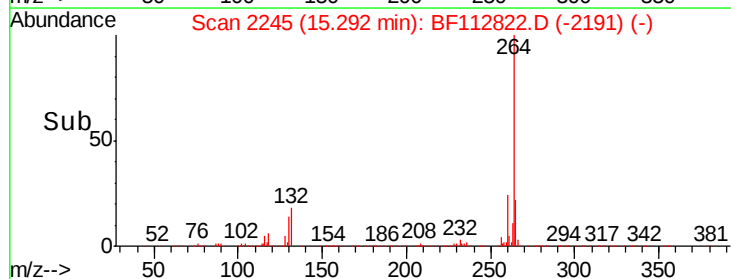
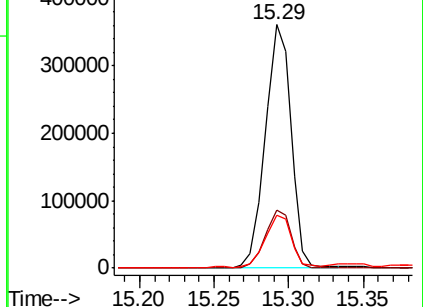
265 21.9 17.2 25.8

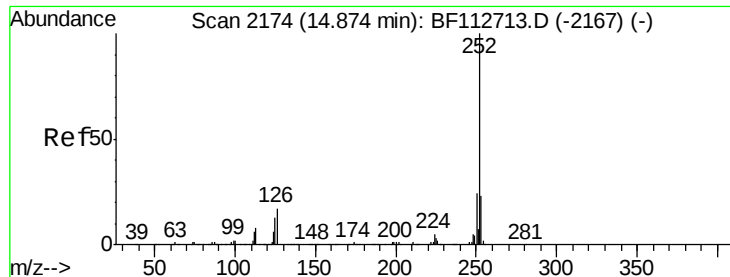


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

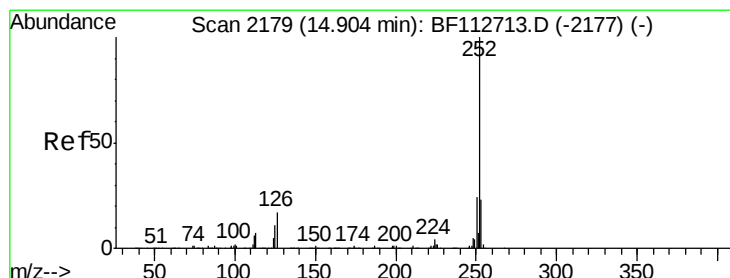
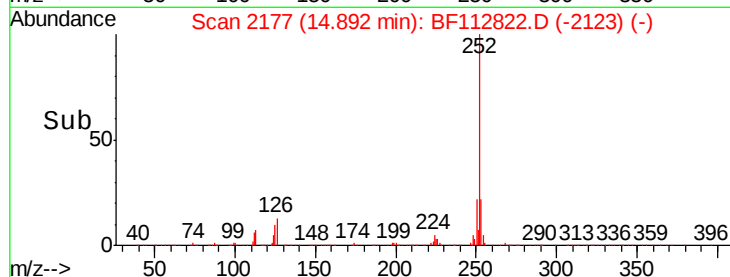
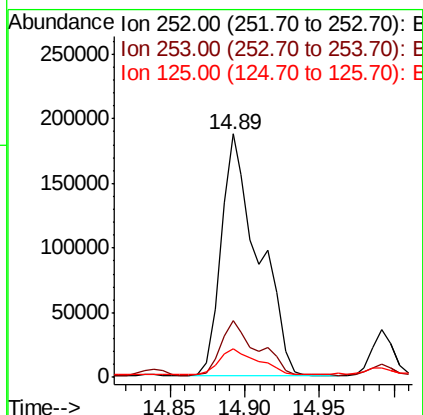
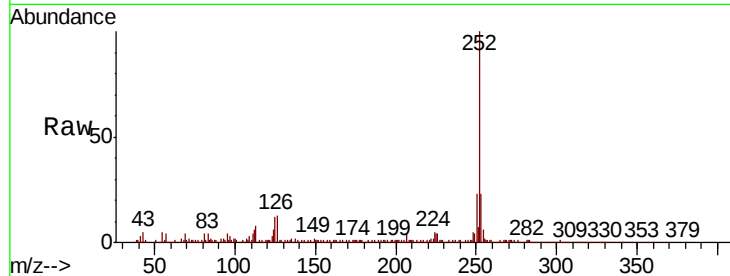




#88
Benzo(b)fluoranthene
Concen: 11.711 ng
RT: 14.89 min Scan# 2177
Delta R.T. 0.02 min
Lab File: BF112822.D
Acq: 4 Mar 2019 14:18

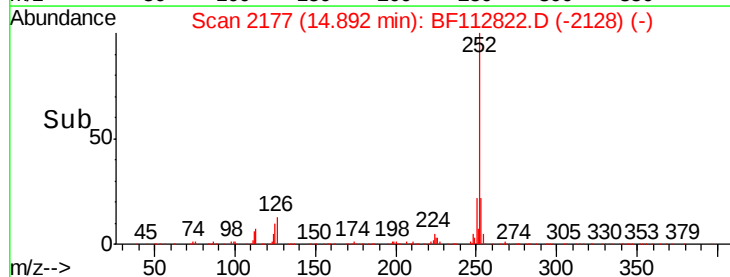
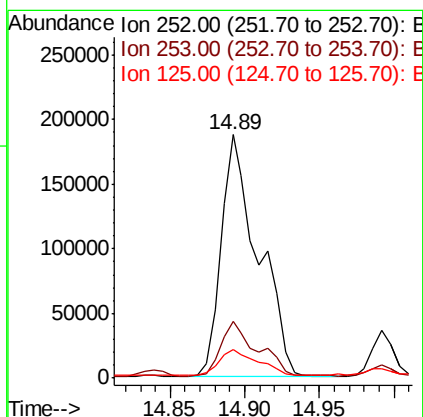
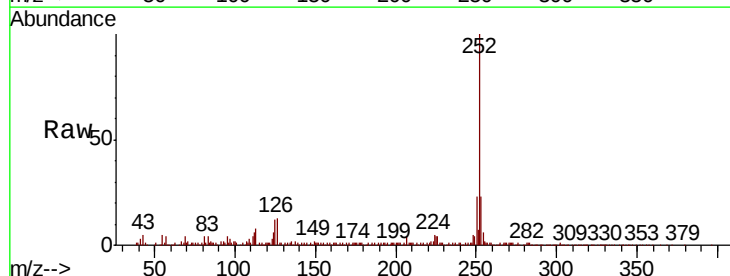
Instrument :
BNA_F
ClientSampleId :
S11

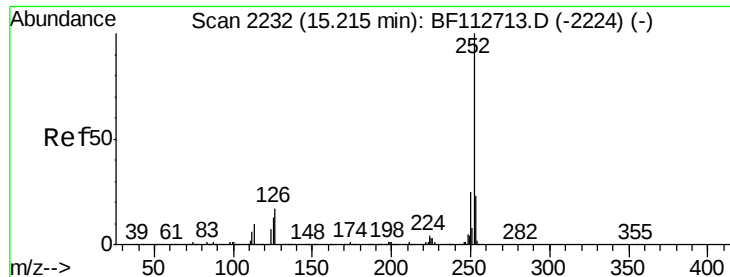
Tgt Ion:252 Resp: 323181
Ion Ratio Lower Upper
252 100
253 23.3 18.0 27.0
125 11.7 10.2 15.2



#89
Benzo(k)fluoranthene
Concen: 12.929 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BF112822.D
Acq: 4 Mar 2019 14:18

Tgt Ion:252 Resp: 323181
Ion Ratio Lower Upper
252 100
253 23.3 18.2 27.2
125 11.7 9.8 14.6





#90

Benzo(a)pyrene

Concen: 6.609 ng

RT: 15.23 min Scan# 2235

Delta R.T. 0.02 min

Lab File: BF112822.D

Acq: 4 Mar 2019 14:18

Instrument :

BNA_F

ClientSampleId :

S11

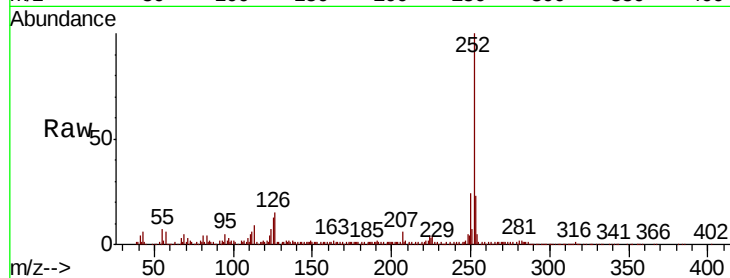
Tgt Ion:252 Resp: 161318

Ion Ratio Lower Upper

252 100

253 23.0 18.0 27.0

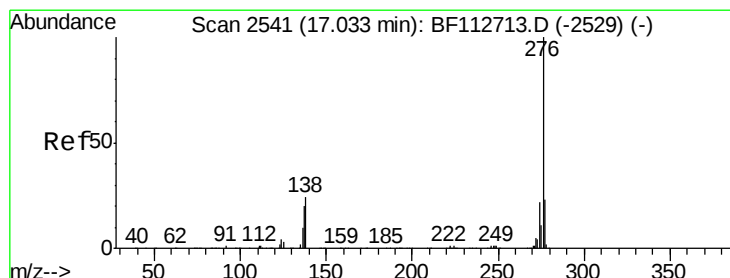
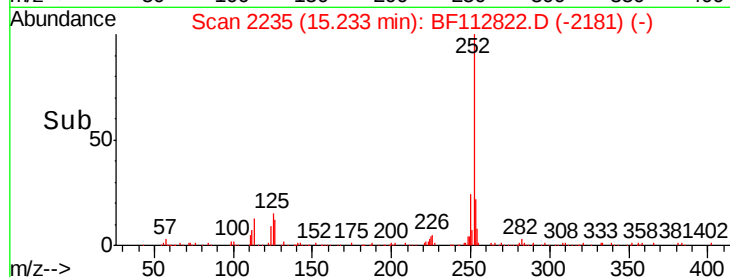
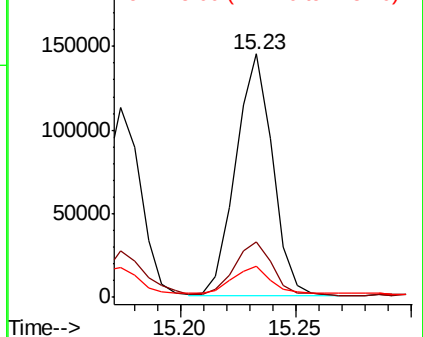
125 12.7 10.7 16.1



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: 3.550 ng

RT: 17.06 min Scan# 2545

Delta R.T. 0.02 min

Lab File: BF112822.D

Acq: 4 Mar 2019 14:18

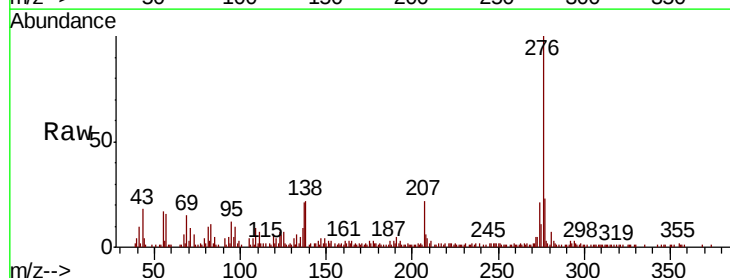
Tgt Ion:276 Resp: 74251

Ion Ratio Lower Upper

276 100

277 23.0 18.6 27.8

138 21.6 19.4 29.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

