

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
 Data File : BF114862.D
 Acq On : 6 Jun 2019 14:48
 Operator : HP/JU
 Sample : K3109-01RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-0D015-03-006RE

Quant Time: Jun 07 00:01:13 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	512457	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1942863	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	925446	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1609721	20.00	ng	0.00
76) Chrysene-d12	13.80	240	858540	20.00	ng	0.00
87) Perylene-d12	15.19	264	934667	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	42237	1.44	ng	0.01
7) Phenol-d6	6.30	99	919175	25.76	ng	0.00
23) Nitrobenzene-d5	7.23	82	2046010	64.83	ng	0.00
42) 2,4,6-Tribromophenol	10.47	330	271	0.03	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	3479660	70.43	ng	0.00
79) Terphenyl-d14	12.76	244	3042535	68.92	ng	0.00

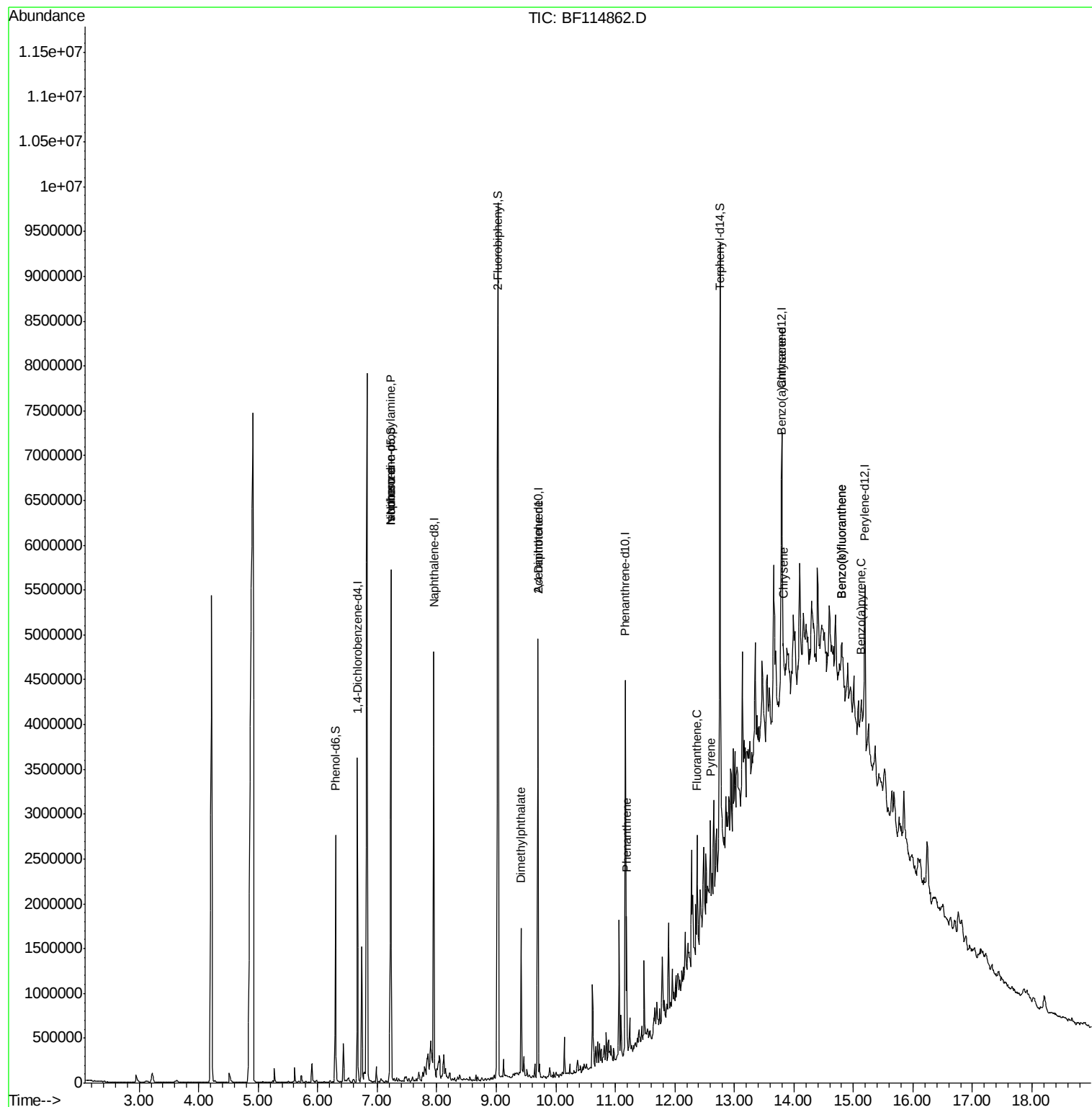
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.23	70	281275	11.907	ng	# 78
25) Isophorone	7.23	82	1958814	31.394	ng	# 61
50) Dimethylphthalate	9.42	163	674585	9.980	ng	99
57) 2,4-Dinitrotoluene	9.70	165	123356	6.173	ng	# 32
58) Fluorene	10.24	166	29818	Below Cal		94
71) Phenanthrene	11.19	178	514386	6.694	ng	95
75) Fluoranthene	12.37	202	494404	6.181	ng	96
78) Pyrene	12.60	202	415062	5.573	ng	97
81) Benzo(a)anthracene	13.79	228	158886	2.402	ng	97
83) Chrysene	13.82	228	153650	2.387	ng	97
88) Benzo(b)fluoranthene	14.80	252	224312	3.770	ng	# 56
89) Benzo(k)fluoranthene	14.80	252	224312	4.439	ng	# 57
90) Benzo(a)pyrene	15.13	252	111707	2.169	ng	# 47

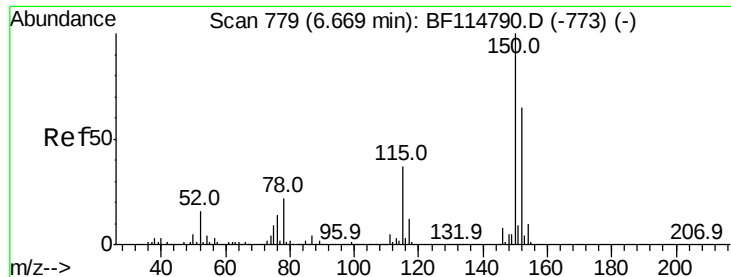
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114862.D
Acq On : 6 Jun 2019 14:48
Operator : HP/JU
Sample : K3109-01RE
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-006RE

Quant Time: Jun 07 00:01:13 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



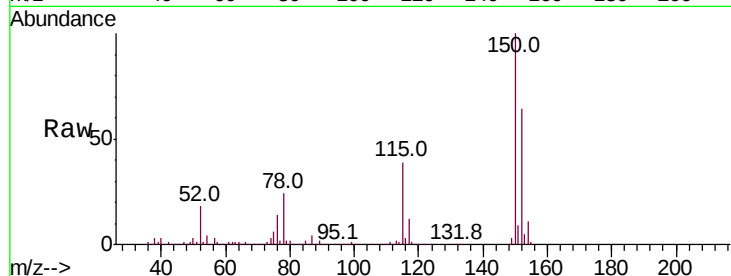


#1

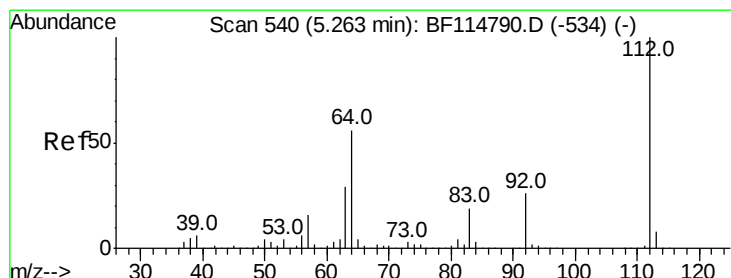
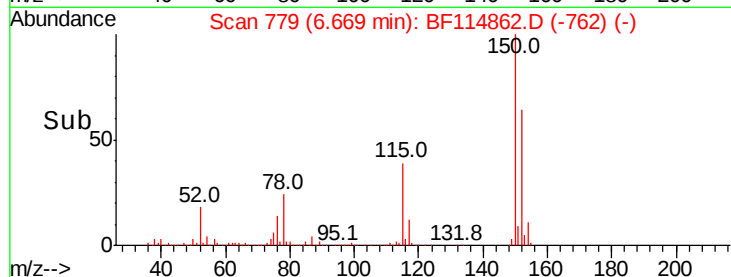
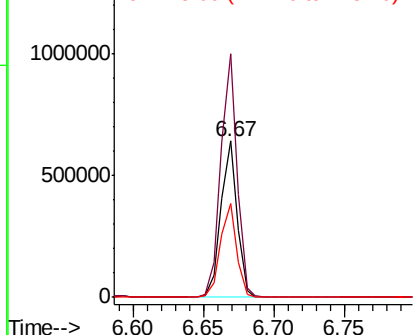
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF114862.D
Acq: 6 Jun 2019 14:48

Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-006RE

Tot Ion:152 Resp: 512457
Ion Ratio Lower Upper
152 100
150 155.8 124.0 186.0
115 60.0 46.3 69.5



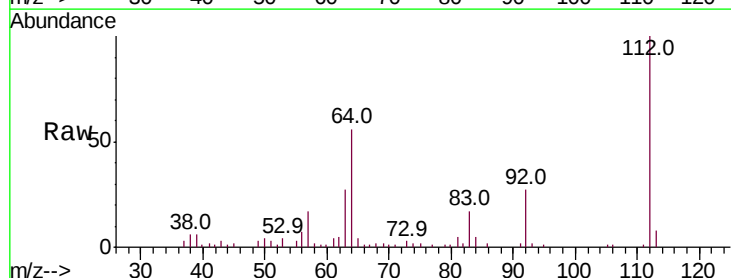
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



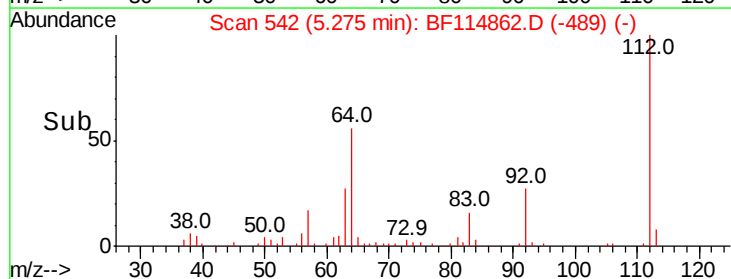
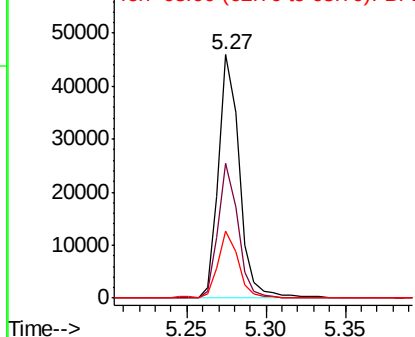
#5

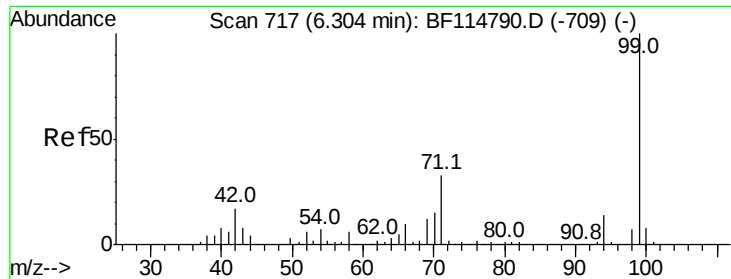
2-Fluorophenol
Concen: 1.440 ng
RT: 5.27 min Scan# 542
Delta R.T. 0.01 min
Lab File: BF114862.D
Acq: 6 Jun 2019 14:48

Tgt Ion:112 Resp: 42237
Ion Ratio Lower Upper
112 100
64 55.6 44.6 66.8
63 27.3 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: 25.757 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF114862.D

Acq: 6 Jun 2019 14:48

Instrument :

BNA_F

ClientSampleId :

FK-0D015-03-006RE

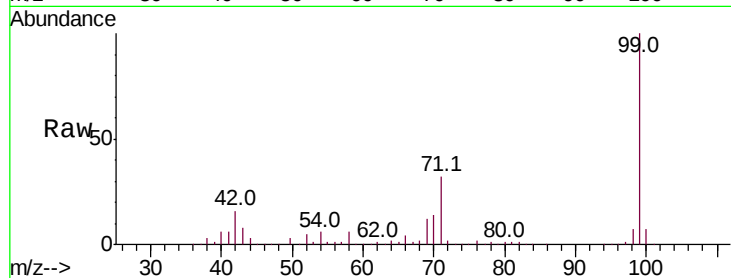
Tot Ion: 99 Resp: 919175

Ion Ratio Lower Upper

99 100

42 15.7 13.3 19.9

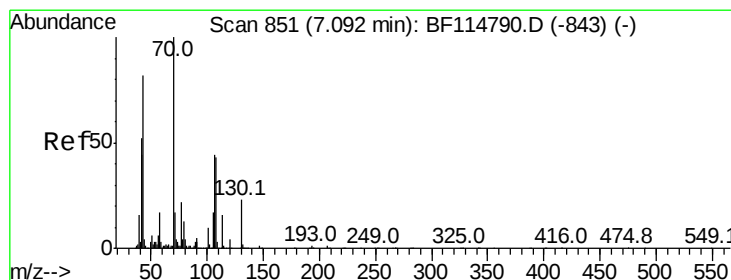
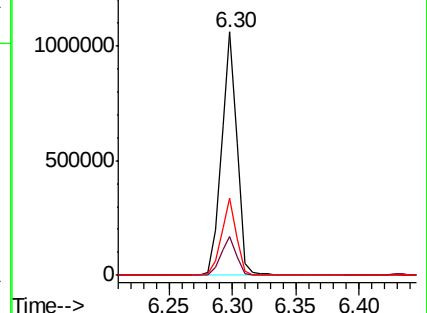
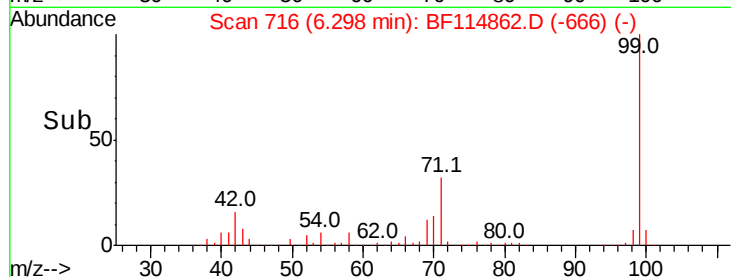
71 31.6 26.3 39.5



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: 11.907 ng

RT: 7.23 min Scan# 875

Delta R.T. 0.14 min

Lab File: BF114862.D

Acq: 6 Jun 2019 14:48

Tgt Ion: 70 Resp: 281275

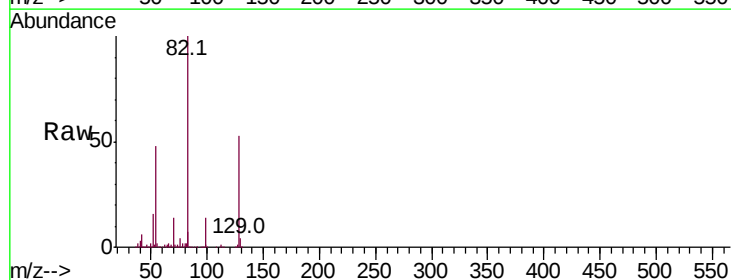
Ion Ratio Lower Upper

70 100

42 43.6 41.8 62.8

101 0.0 8.2 12.4#

130 2.8 18.5 27.7#

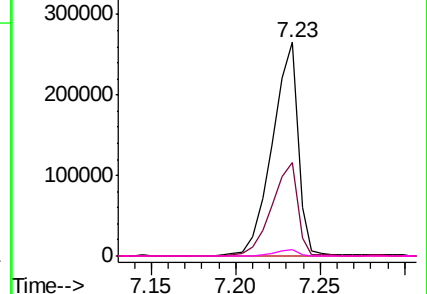
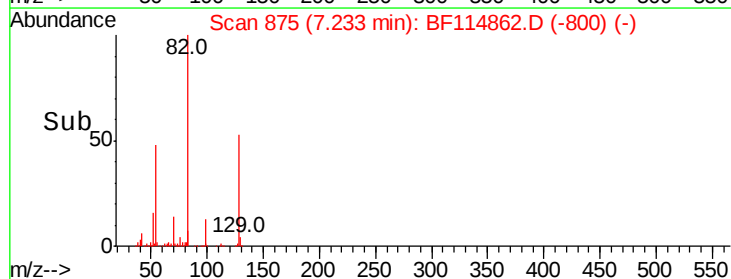


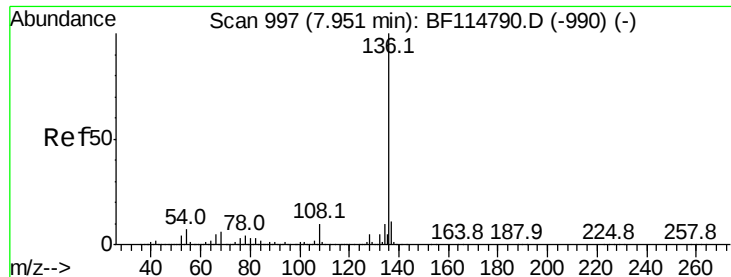
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF114862.D

Acq: 6 Jun 2019 14:48

Instrument :

BNA_F

ClientSampleId :

FK-0D015-03-006RE

Tot Ion:136 Resp: 1942863

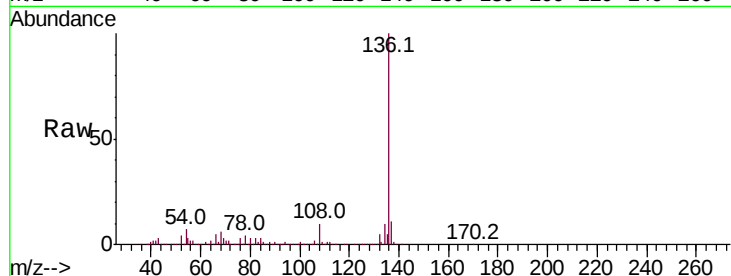
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 6.9 5.4 8.0

68 6.0 4.6 6.8

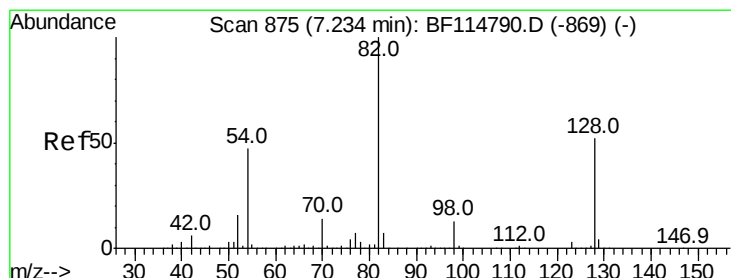
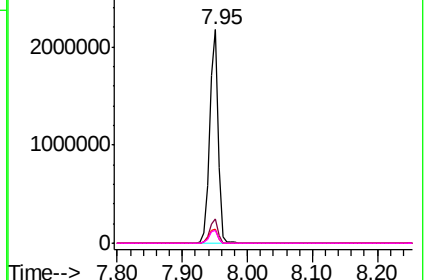
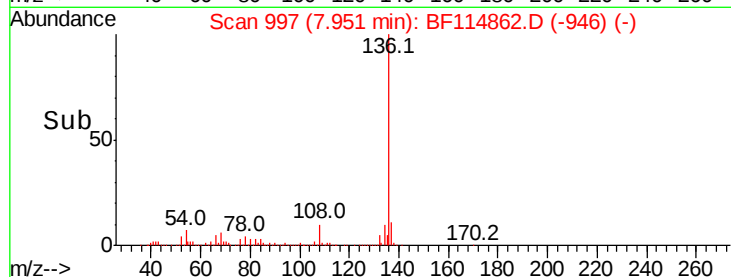


Abundance Ion 136.00 (135.70 to 136.70): E

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: 64.827 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.00 min

Lab File: BF114862.D

Acq: 6 Jun 2019 14:48

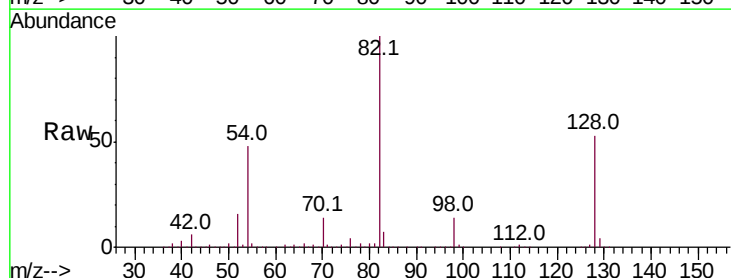
Tgt Ion: 82 Resp: 2046010

Ion Ratio Lower Upper

82 100

128 53.3 41.8 62.6

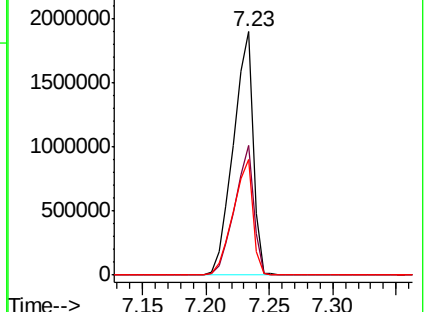
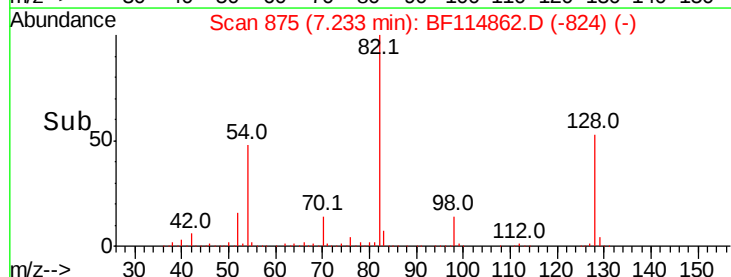
54 47.7 37.9 56.9

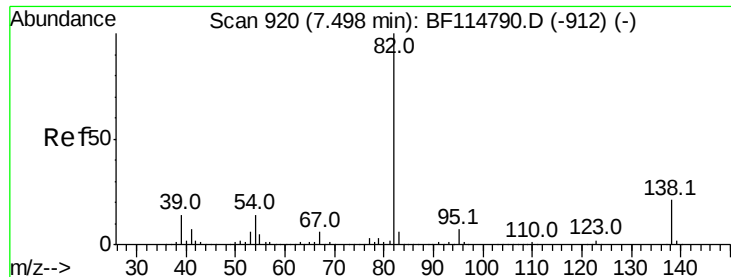


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 31.394 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.26 min

Lab File: BF114862.D

Acq: 6 Jun 2019 14:48

Instrument :

BNA_F

ClientSampleId :

FK-0D015-03-006RE

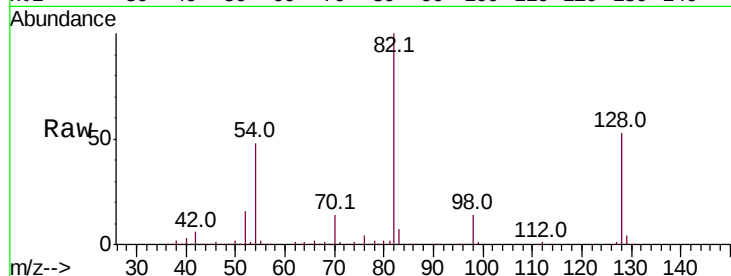
Tot Ion: 82 Resp: 1958814

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

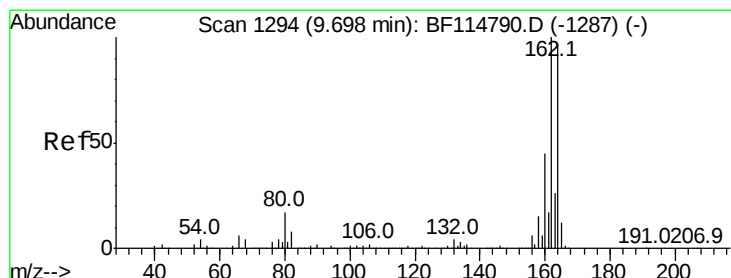
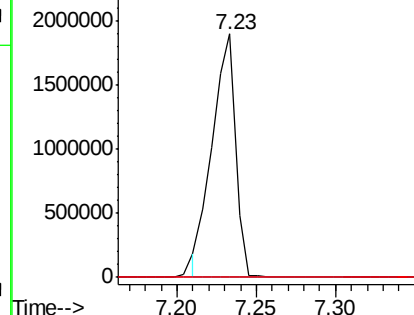
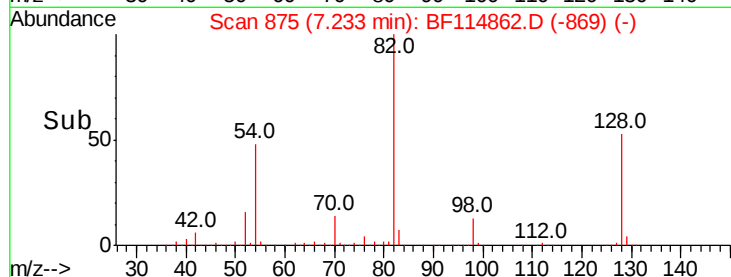
138 0.0 16.9 25.3#



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: BF114862.D

Acq: 6 Jun 2019 14:48

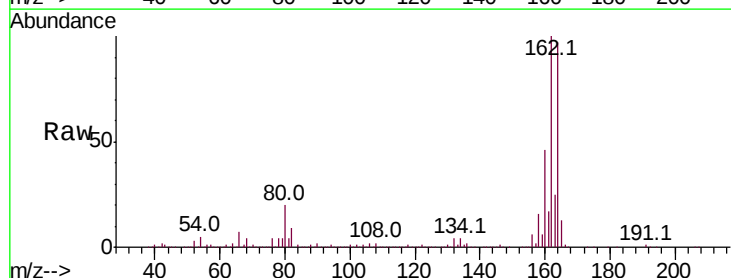
Tgt Ion:164 Resp: 925446

Ion Ratio Lower Upper

164 100

162 102.9 82.3 123.5

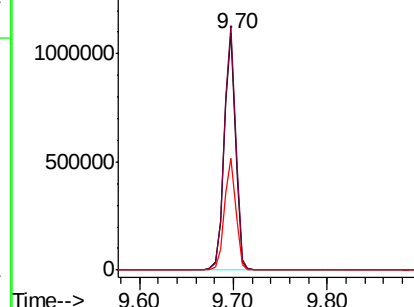
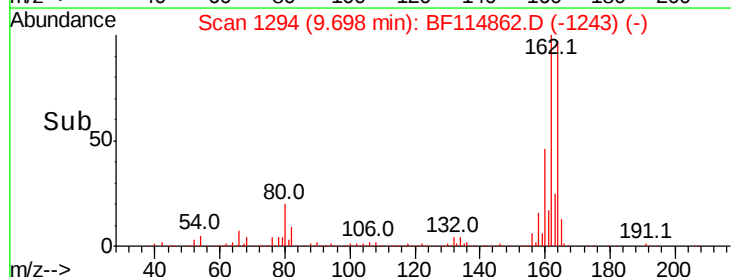
160 47.1 36.7 55.1

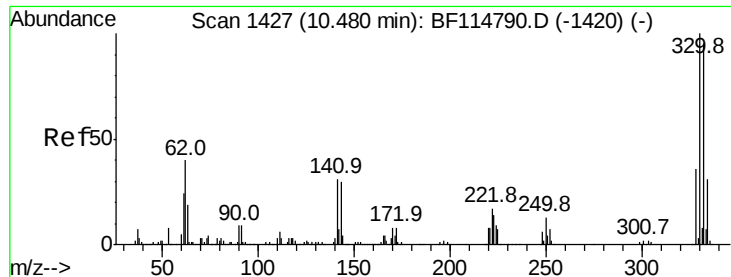


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

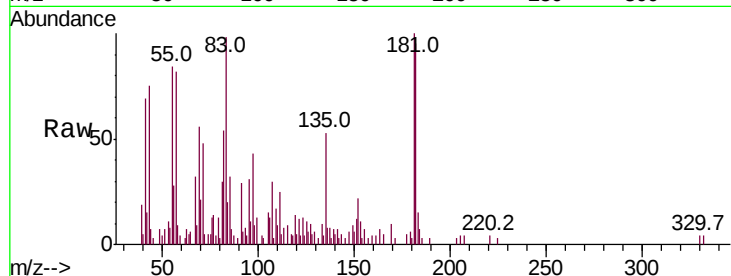




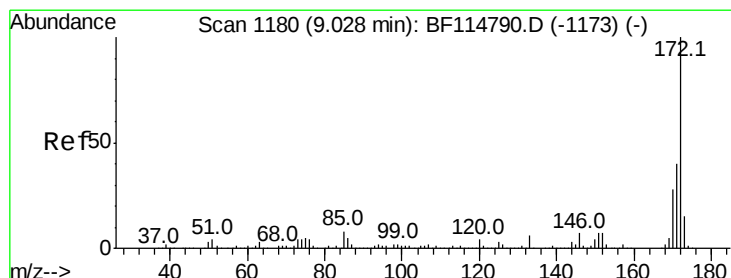
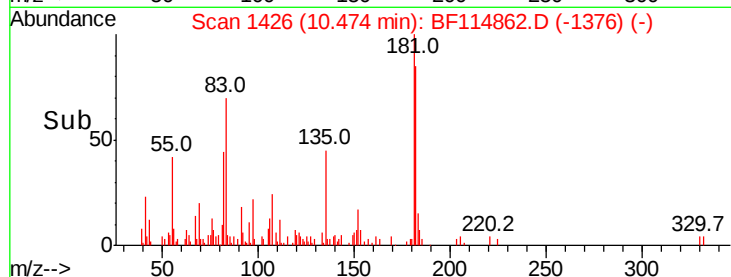
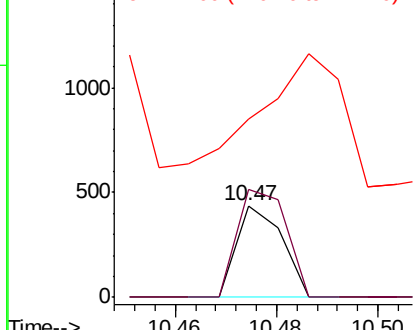
#42
 2,4,6-Tribromophenol
 Concen: 0.027 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: BF114862.D
 Acq: 6 Jun 2019 14:48

Instrument :
 BNA_F
 ClientSampleId :
 FK-0D015-03-006RE

Tot Ion:330 Resp: 271
 Ion Ratio Lower Upper
 330 100
 332 128.4 77.3 115.9#
 141 284.5 26.2 39.4#

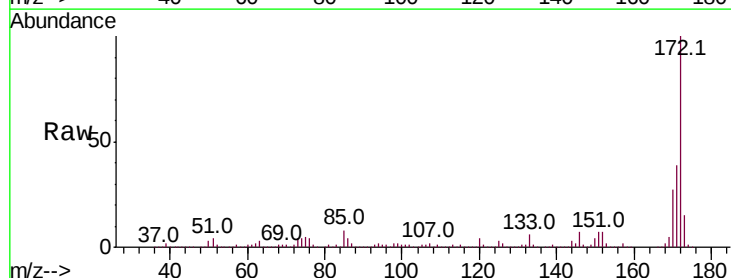


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

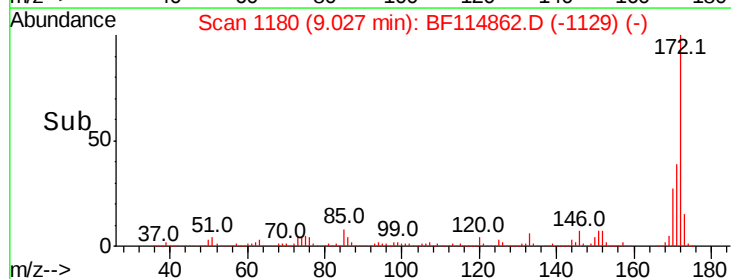
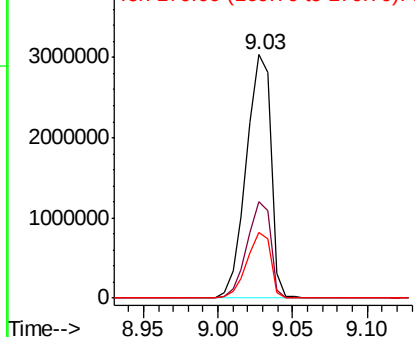


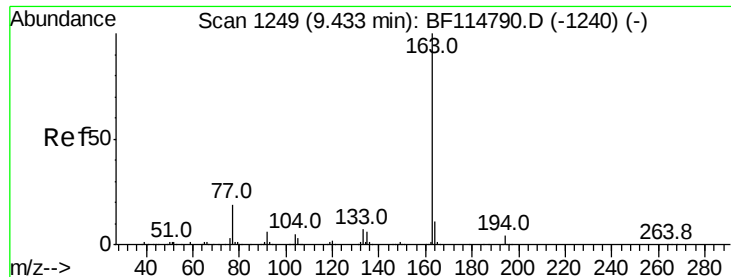
#45
 2-Fluorobiphenyl
 Concen: 70.435 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: BF114862.D
 Acq: 6 Jun 2019 14:48

Tgt Ion:172 Resp: 3479660
 Ion Ratio Lower Upper
 172 100
 171 39.4 32.3 48.5
 170 27.2 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: 9.980 ng

RT: 9.42 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BF114862.D

Acq: 6 Jun 2019 14:48

Instrument :

BNA_F

ClientSampleId :

FK-0D015-03-006RE

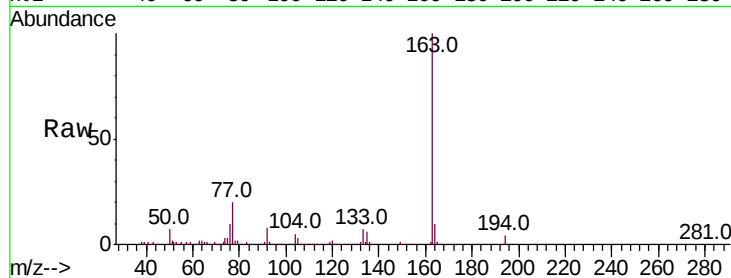
Tot Ion:163 Resp: 674585

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.2

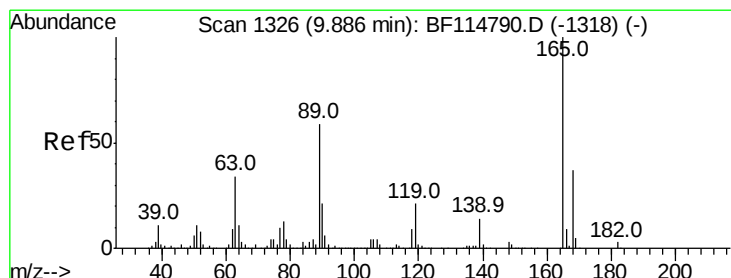
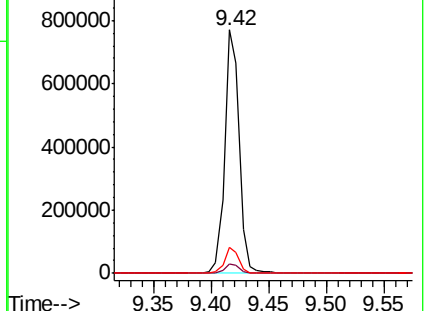
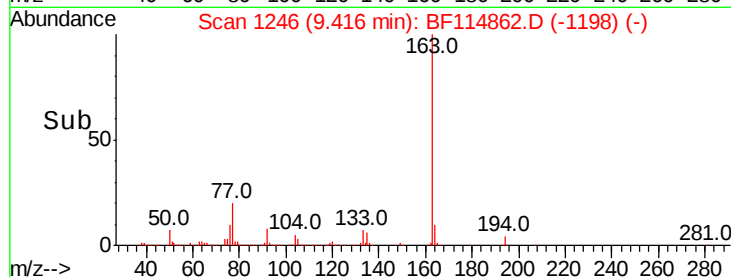
164 10.4 8.6 13.0



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: 6.173 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.19 min

Lab File: BF114862.D

Acq: 6 Jun 2019 14:48

Tgt Ion:165 Resp: 123356

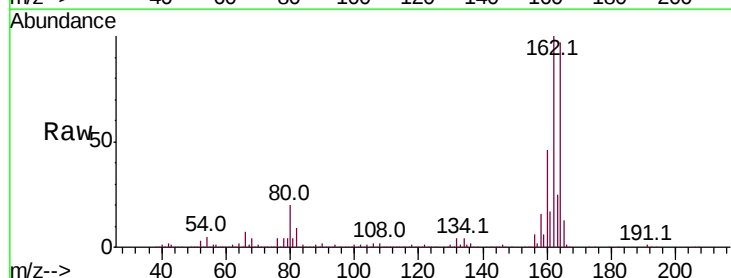
Ion Ratio Lower Upper

165 100

63 1.3 27.0 40.4#

89 1.4 47.0 70.6#

182 0.3 2.2 3.2#

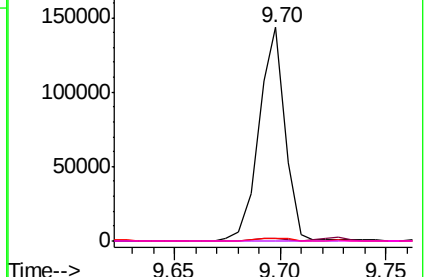
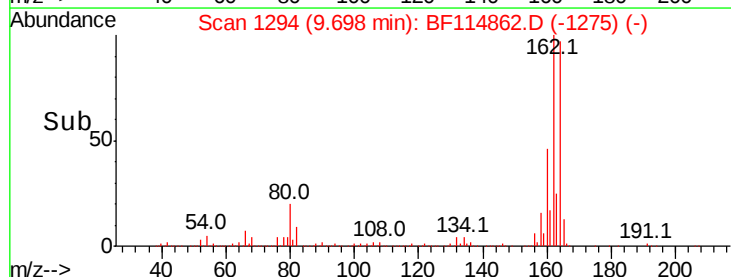


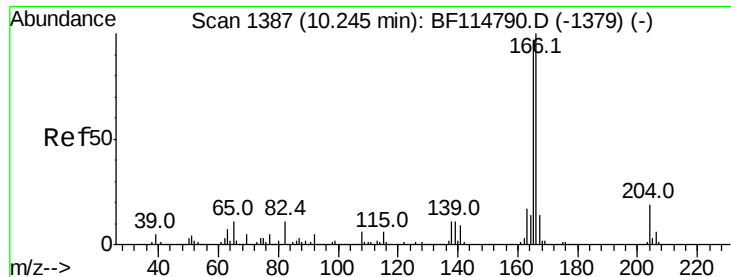
Abundance Ion 165.00 (164.70 to 165.70): E

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: Below Cal

RT: 10.24 min Scan# 1386

Delta R.T. -0.01 min

Lab File: BF114862.D

Acq: 6 Jun 2019 14:48

Instrument :

BNA_F

ClientSampleId :

FK-0D015-03-006RE

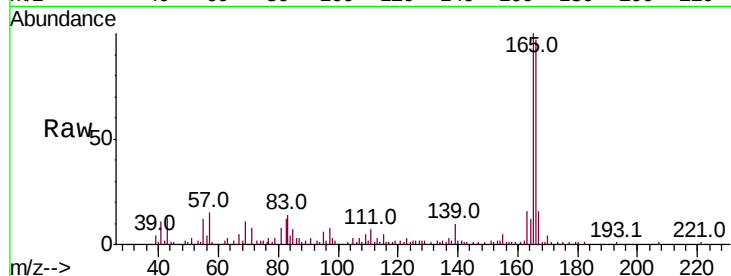
Tot Ion:166 Resp: 29818

Ion Ratio Lower Upper

166 100

165 103.4 77.9 116.9

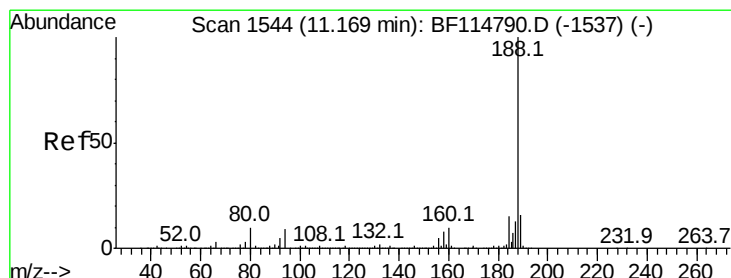
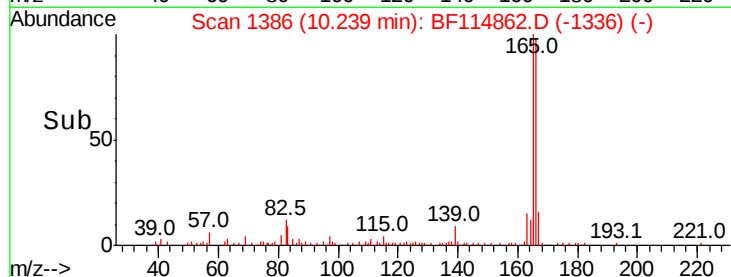
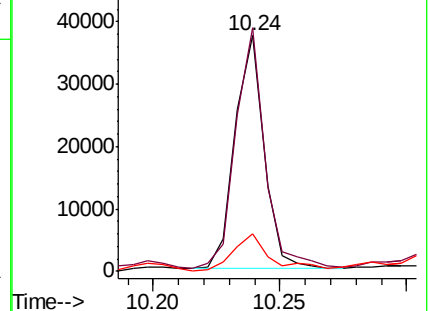
167 16.1 11.3 16.9



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: BF114862.D

Acq: 6 Jun 2019 14:48

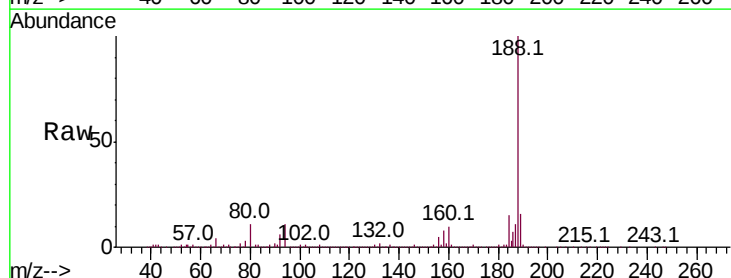
Tgt Ion:188 Resp: 1609721

Ion Ratio Lower Upper

188 100

94 10.8 7.6 11.4

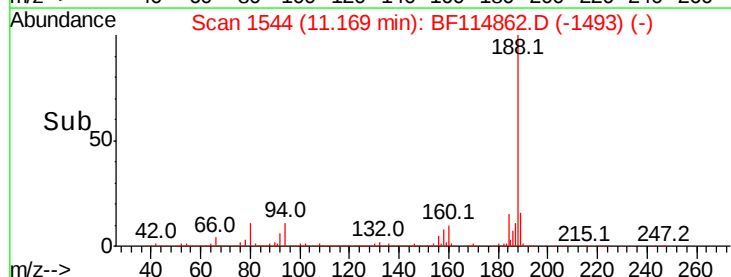
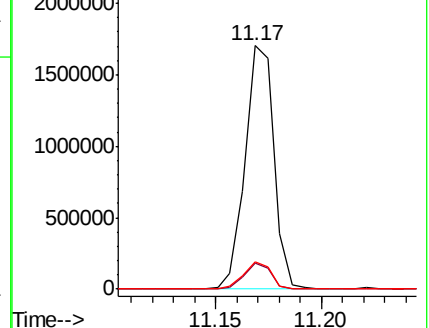
80 11.4 8.3 12.5

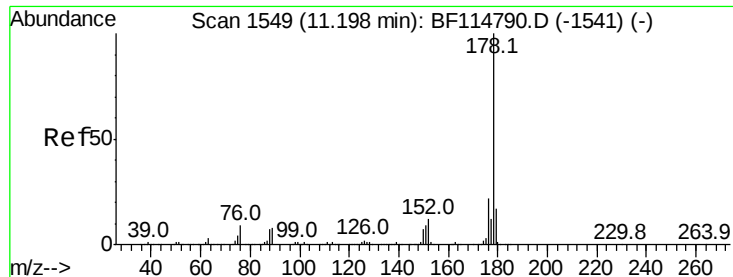


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 6.694 ng

RT: 11.19 min Scan# 1548

Delta R.T. -0.01 min

Lab File: BF114862.D

Acq: 6 Jun 2019 14:48

Instrument :

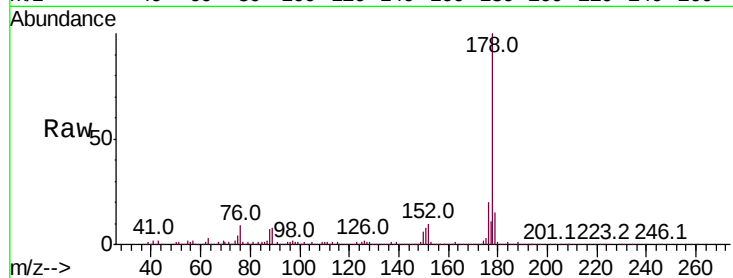
BNA_F

ClientSampleId :

FK-0D015-03-006RE

Tot Ion:178 Resp: 514386

Ion	Ratio	Lower	Upper
178	100		
176	19.6	17.7	26.5
179	15.3	13.7	20.5

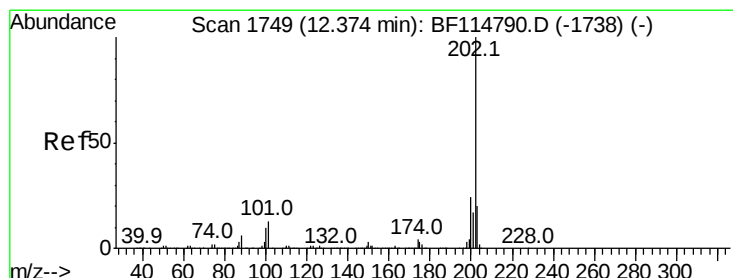
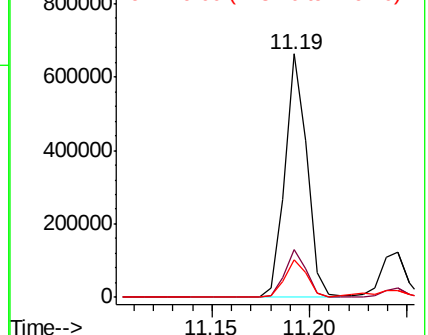
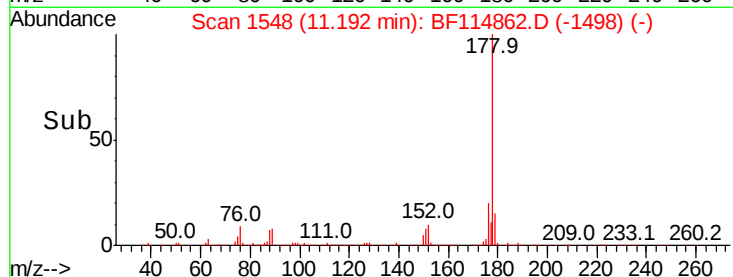


Abundance

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: 6.181 ng

RT: 12.37 min Scan# 1749

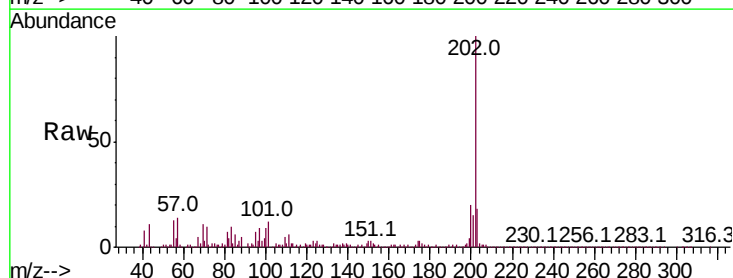
Delta R.T. -0.00 min

Lab File: BF114862.D

Acq: 6 Jun 2019 14:48

Tgt Ion:202 Resp: 494404

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	32.8
203	18.0	0.2	40.2

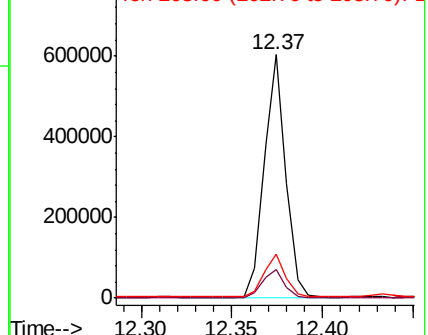
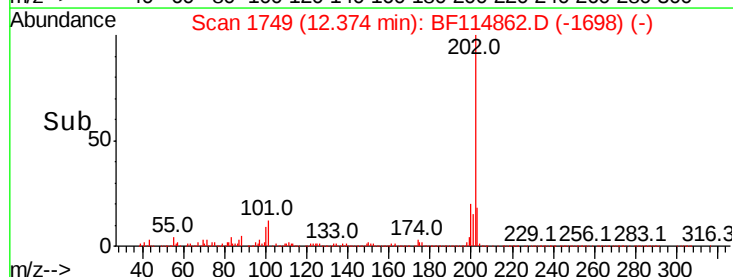


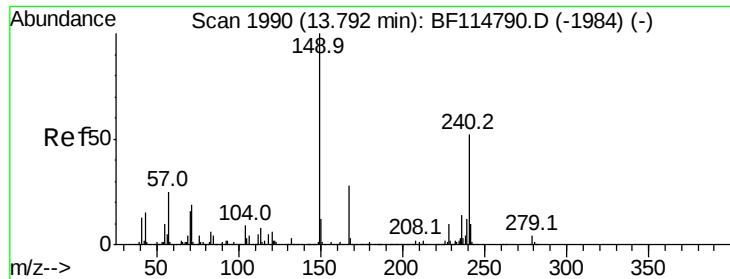
Abundance

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

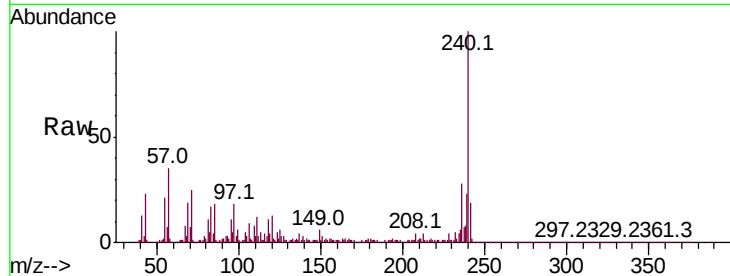




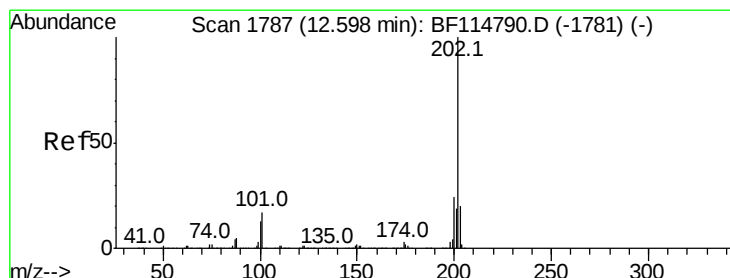
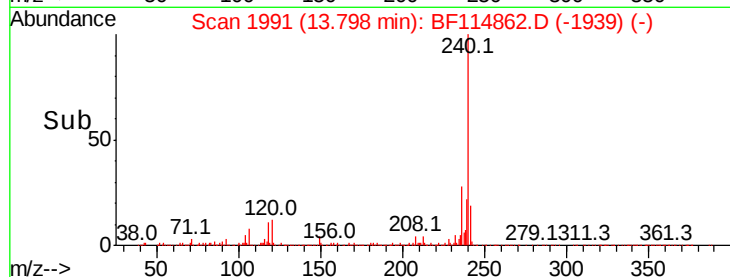
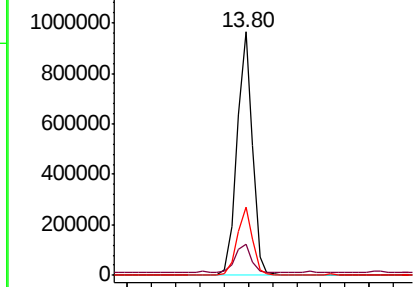
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.80 min Scan# 1991
Delta R.T. 0.01 min
Lab File: BF114862.D
Acq: 6 Jun 2019 14:48

Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-006RE

Tot Ion:240 Resp: 858540
Ion Ratio Lower Upper
240 100
120 12.8 9.0 13.4
236 28.0 21.4 32.0

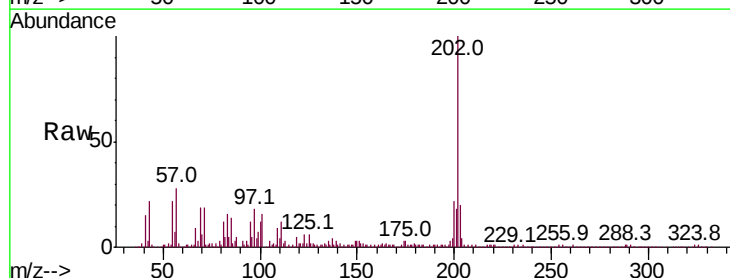


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

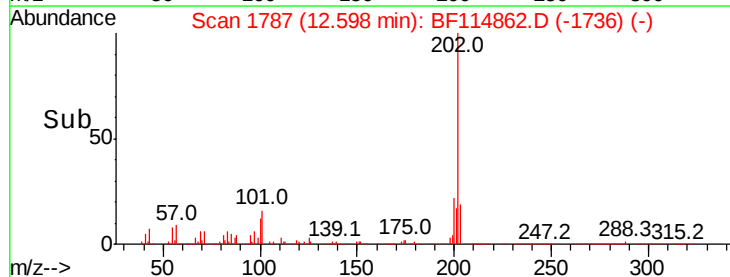
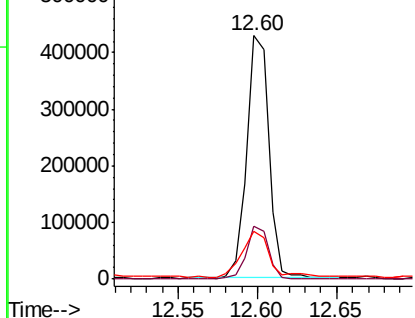


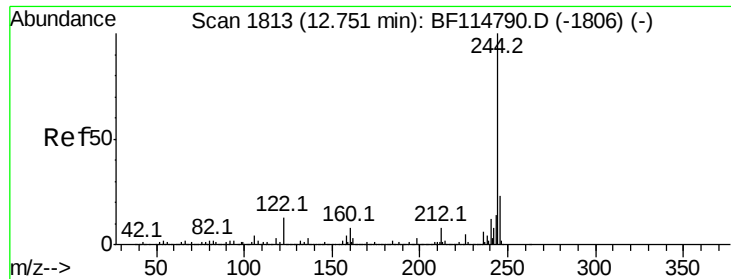
#78
Pyrene
Concen: 5.573 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.00 min
Lab File: BF114862.D
Acq: 6 Jun 2019 14:48

Tgt Ion:202 Resp: 415062
Ion Ratio Lower Upper
202 100
200 21.7 19.2 28.8
203 19.6 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

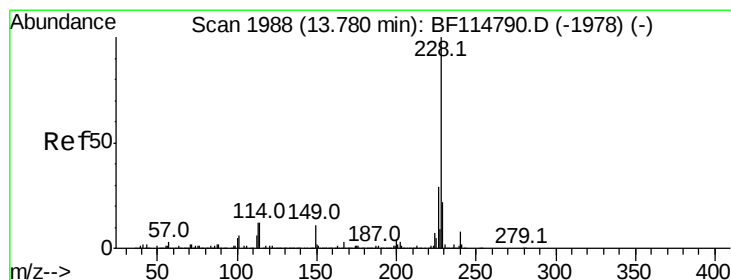
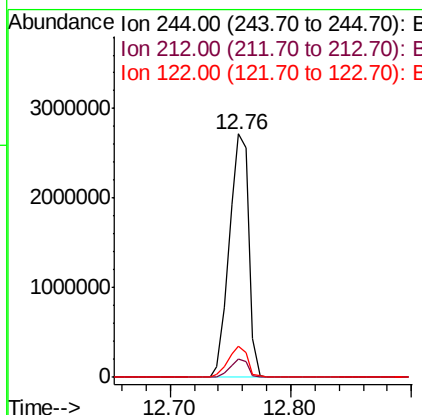
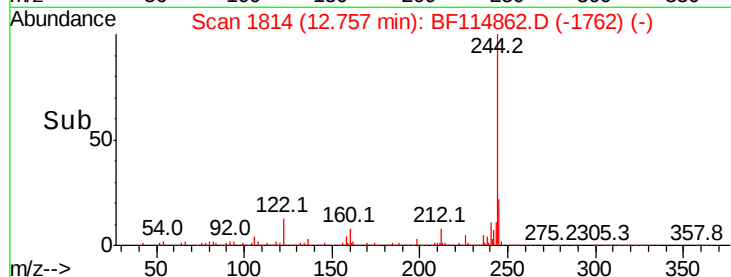
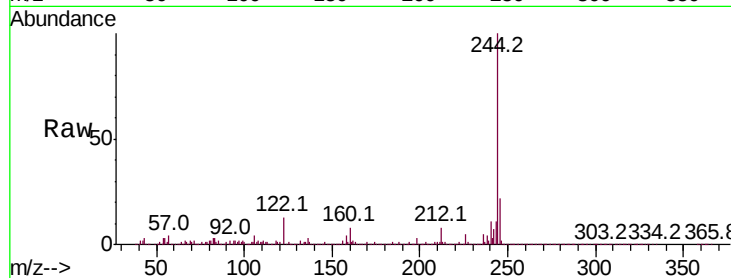




#79
 Terphenyl-d14
 Concen: 68.919 ng
 RT: 12.76 min Scan# 1814
 Delta R.T. 0.01 min
 Lab File: BF114862.D
 Acq: 6 Jun 2019 14:48

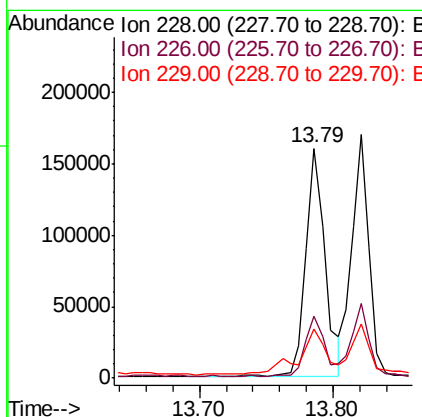
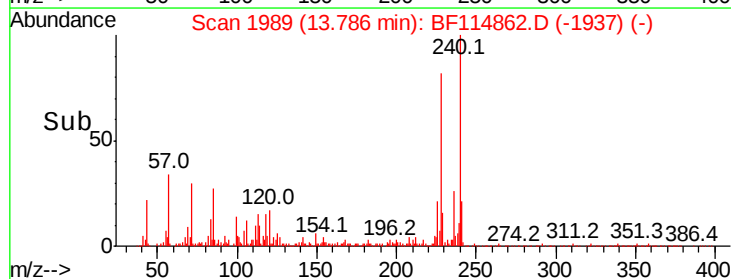
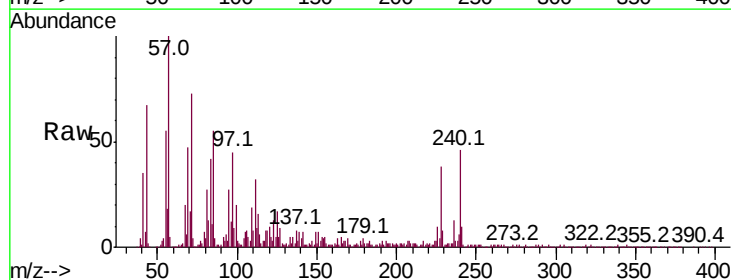
Instrument :
 BNA_F
 ClientSampleId :
 FK-0D015-03-006RE

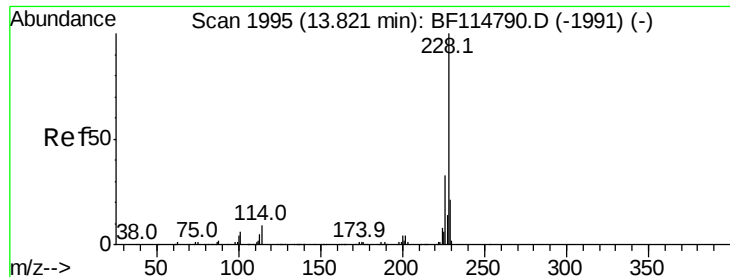
Tot Ion:244 Resp: 3042535
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.5 9.7
 122 12.8 10.5 15.7



#81
 Benzo(a)anthracene
 Concen: 2.402 ng
 RT: 13.79 min Scan# 1989
 Delta R.T. 0.01 min
 Lab File: BF114862.D
 Acq: 6 Jun 2019 14:48

Tgt Ion:228 Resp: 158886
 Ion Ratio Lower Upper
 228 100
 226 26.9 23.4 35.2
 229 21.3 17.4 26.0





#83

Chrysene

Concen: 2.387 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.00 min

Lab File: BF114862.D

Acq: 6 Jun 2019 14:48

Instrument :

BNA_F

ClientSampleId :

FK-0D015-03-006RE

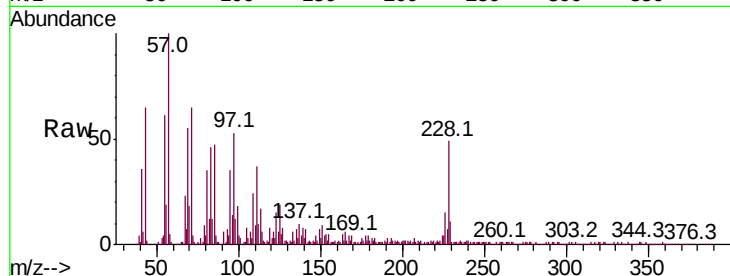
Tot Ion:228 Resp: 153650

Ion Ratio Lower Upper

228 100

226 30.6 26.0 39.0

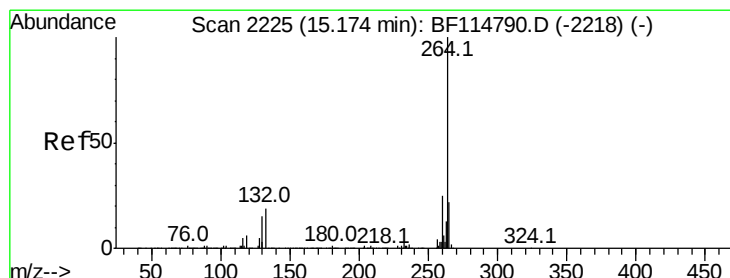
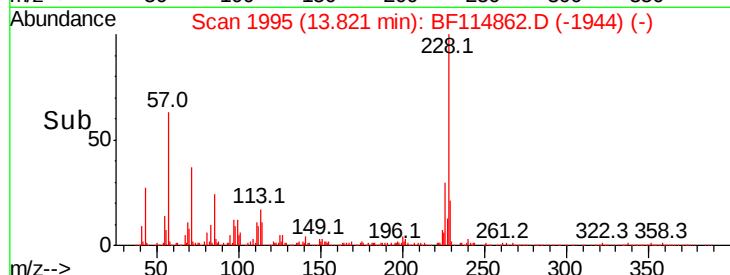
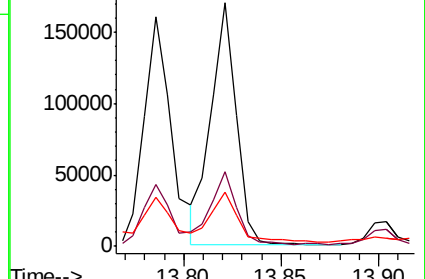
229 22.4 17.1 25.7



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.19 min Scan# 2228

Delta R.T. 0.02 min

Lab File: BF114862.D

Acq: 6 Jun 2019 14:48

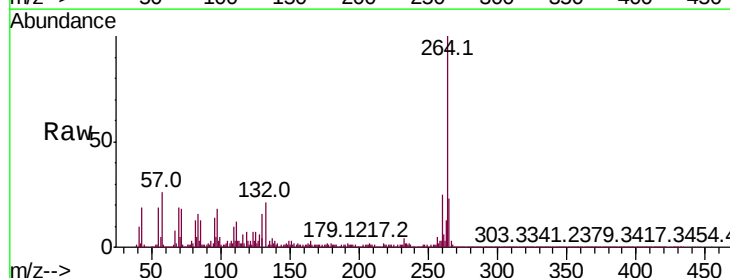
Tgt Ion:264 Resp: 934667

Ion Ratio Lower Upper

264 100

260 25.0 20.1 30.1

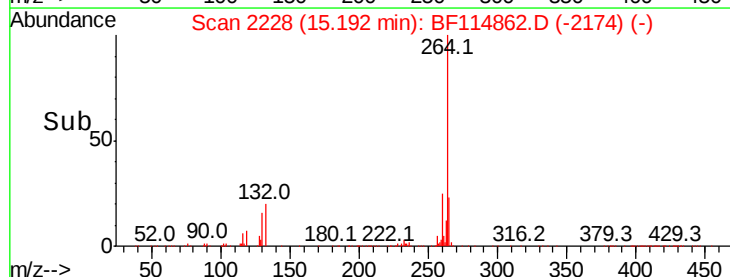
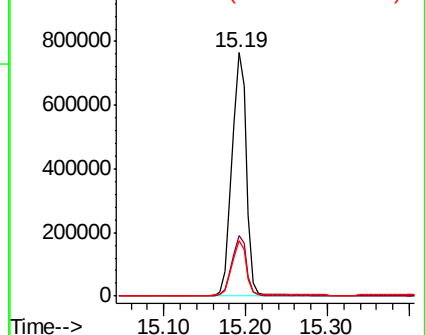
265 22.8 17.7 26.5

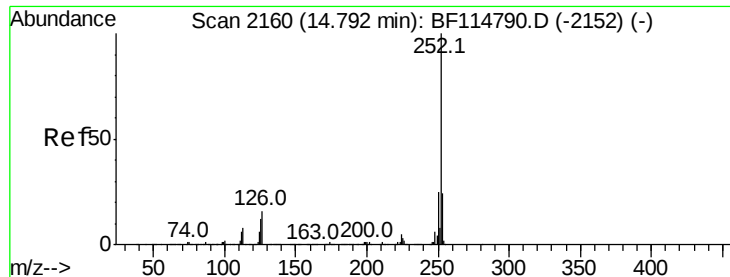


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

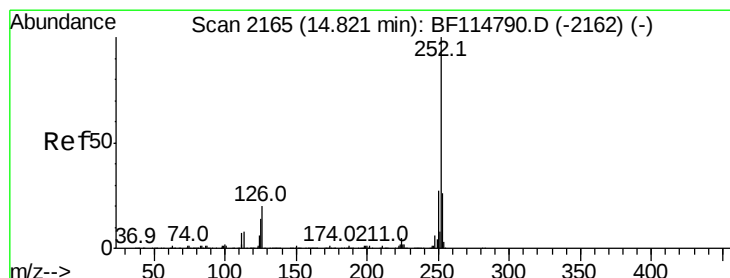
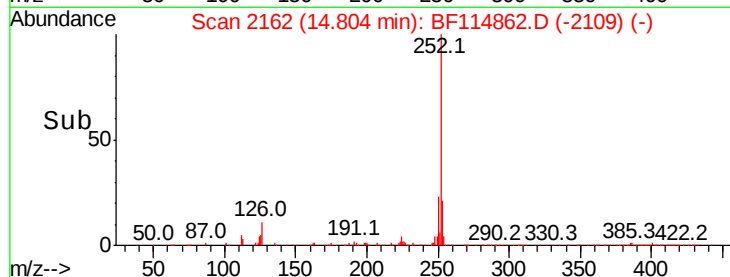
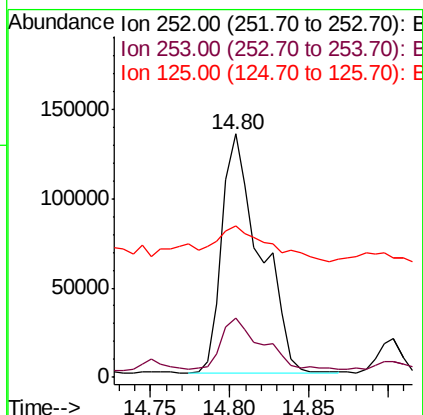
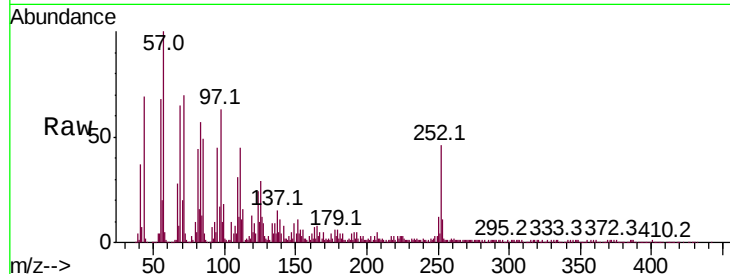




#88
Benzo(b)fluoranthene
Concen: 3.770 ng
RT: 14.80 min Scan# 2162
Delta R.T. 0.01 min
Lab File: BF114862.D
Acq: 6 Jun 2019 14:48

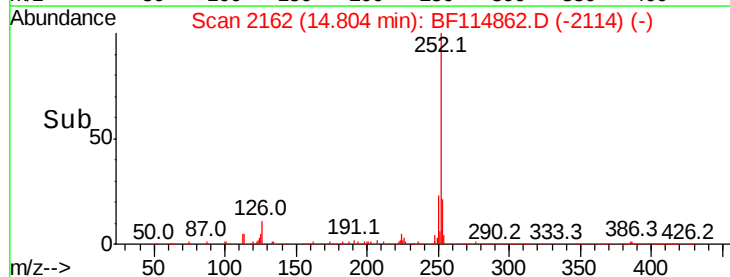
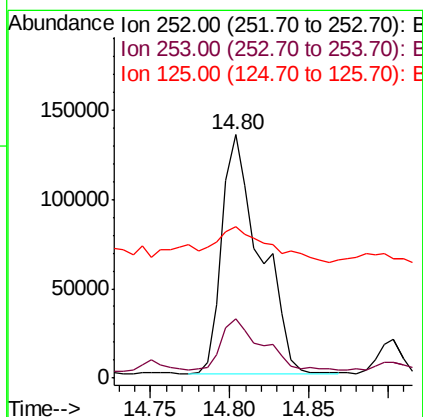
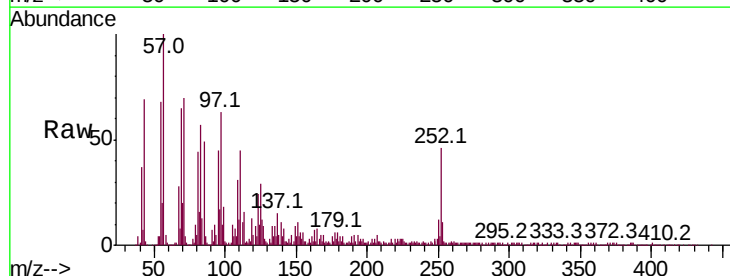
Instrument :
BNA_F
ClientSampleId :
FK-0D015-03-006RE

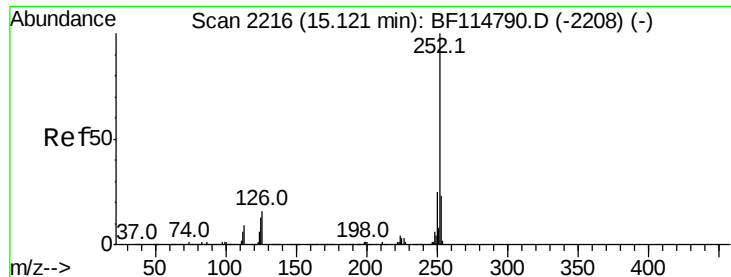
Tot Ion:252 Resp: 224312
Ion Ratio Lower Upper
252 100
253 24.1 19.0 28.6
125 62.3 9.4 14.0#



#89
Benzo(k)fluoranthene
Concen: 4.439 ng
RT: 14.80 min Scan# 2162
Delta R.T. -0.02 min
Lab File: BF114862.D
Acq: 6 Jun 2019 14:48

Tgt Ion:252 Resp: 224312
Ion Ratio Lower Upper
252 100
253 24.1 19.3 28.9
125 62.3 10.1 15.1#





#90

Benzo(a)pyrene

Concen: 2.169 ng

RT: 15.13 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BF114862.D

Acq: 6 Jun 2019 14:48

Instrument :

BNA_F

ClientSampleId :

FK-0D015-03-006RE

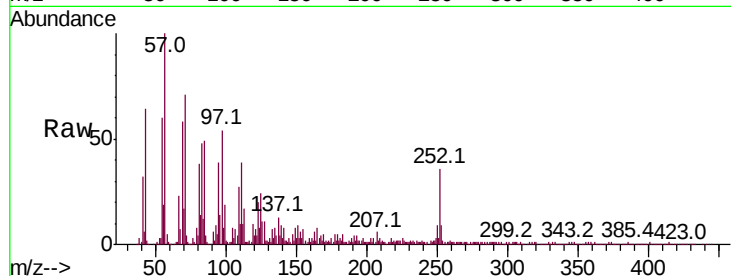
Tot Ion: 252 Resp: 111707

Ion Ratio Lower Upper

252 100

253 25.4 18.5 27.7

125 68.4 10.1 15.1#



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

