

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061319\
 Data File : BF115024.D
 Acq On : 14 Jun 2019 1:23
 Operator : HP/JU
 Sample : K3342-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-012-ABCD

Quant Time: Jun 14 03:52:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 12 15:42:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	303147	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	1155168	20.00	ng	0.00
39) Acenaphthene-d10	9.67	164	544030	20.00	ng	0.00
64) Phenanthrene-d10	11.14	188	980673	20.00	ng	-0.01
76) Chrysene-d12	13.77	240	546526	20.00	ng	-0.01
87) Perylene-d12	15.14	264	566225	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	1751224	96.46	ng	0.00
7) Phenol-d6	6.29	99	2246638	102.59	ng	0.00
23) Nitrobenzene-d5	7.21	82	1363866	71.07	ng	0.00
42) 2,4,6-Tribromophenol	10.46	330	537706	92.30	ng	-0.01
45) 2-Fluorobiphenyl	9.00	172	2489894	77.57	ng	0.00
79) Terphenyl-d14	12.73	244	2112413	72.70	ng	0.00

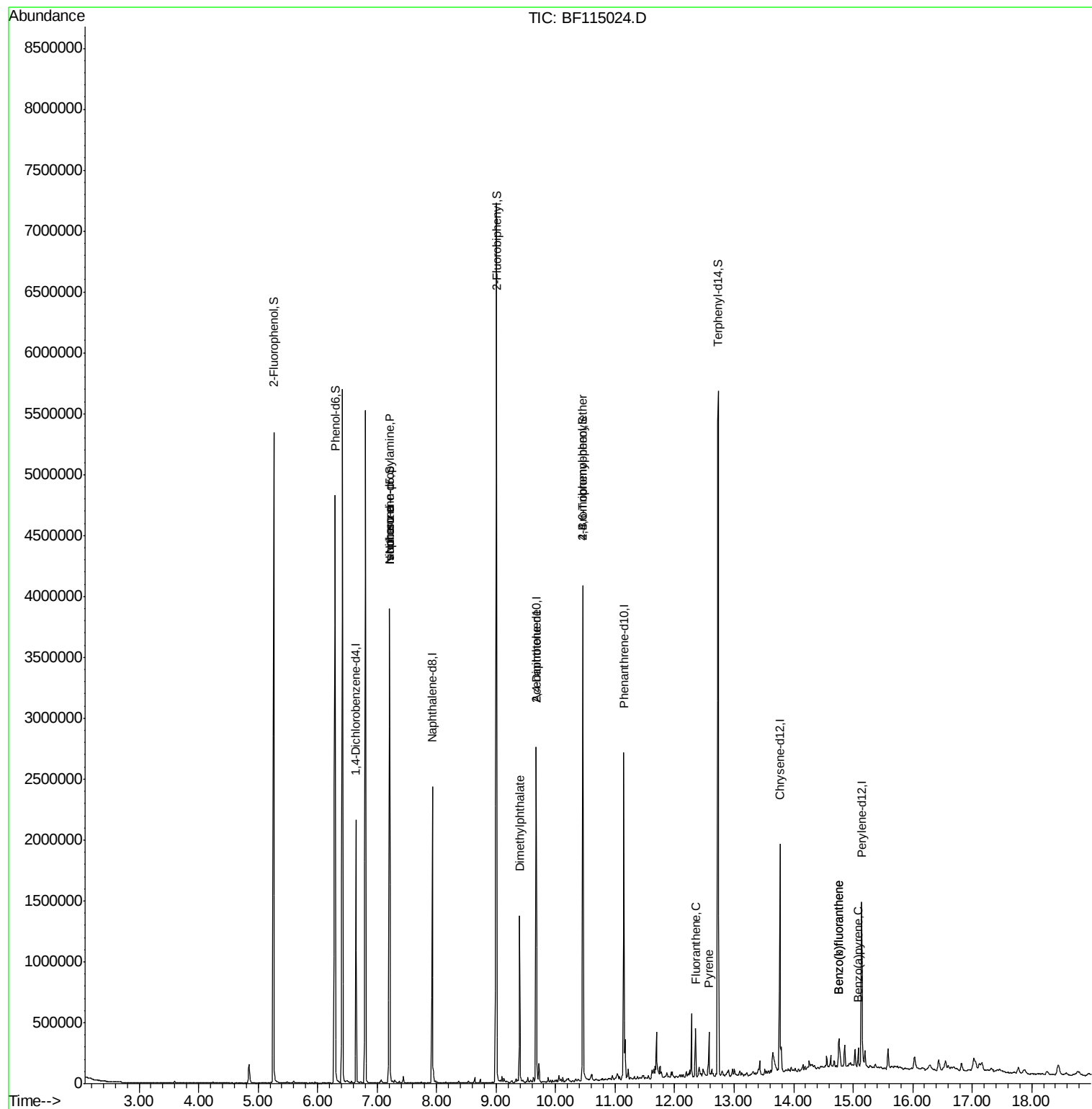
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.19	77	1630	Below Cal		# 85
19) n-Nitroso-di-n-propylamine	7.21	70	179890	13.520	ng	# 76
25) Isophorone	7.21	82	1335272	37.149	ng	# 62
50) Dimethylphthalate	9.40	163	551755	13.486	ng	# 98
57) 2,4-Dinitrotoluene	9.67	165	71492	6.052	ng	# 29
58) Fluorene	10.22	166	6541	Below Cal		# 91
67) 4-Bromophenyl-phenylether	10.46	248	35323	3.355	ng	# 1
75) Fluoranthene	12.35	202	151403	2.924	ng	# 96
78) Pyrene	12.57	202	135834	2.728	ng	# 98
88) Benzo(b)fluoranthene	14.76	252	144500	3.839	ng	# 98
89) Benzo(k)fluoranthene	14.76	252	144500	4.374	ng	# 97
90) Benzo(a)pyrene	15.09	252	65757	2.025	ng	# 97

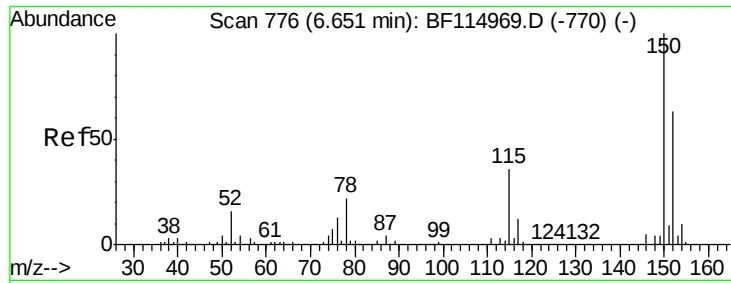
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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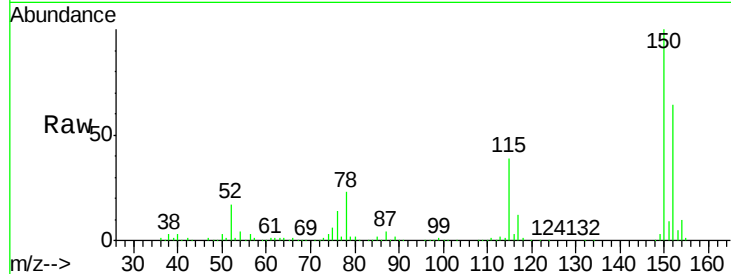


#1

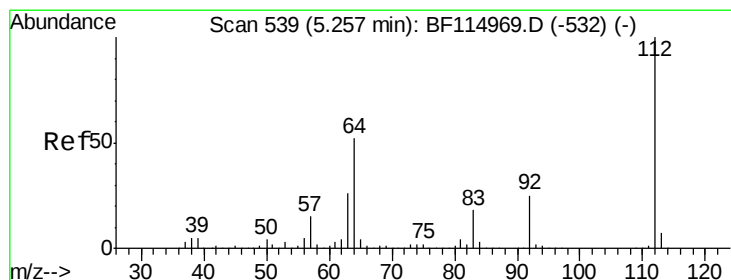
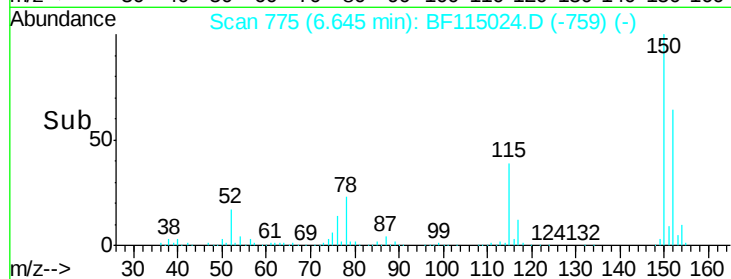
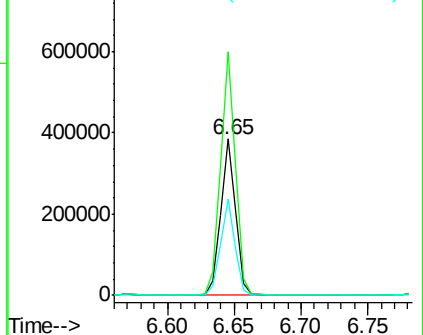
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF115024.D
Acq: 14 Jun 2019 1:23

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-012-ABCD

Tgt Ion:152 Resp: 303147
Ion Ratio Lower Upper
152 100
150 155.7 127.4 191.0
115 61.3 46.0 69.0



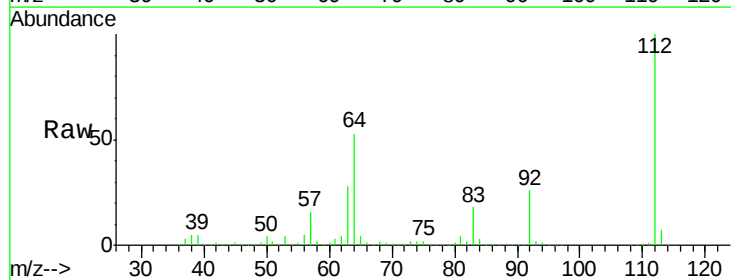
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



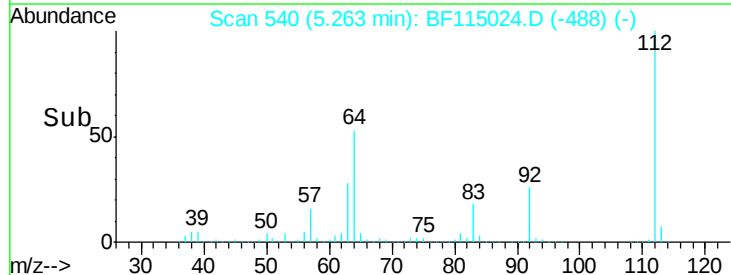
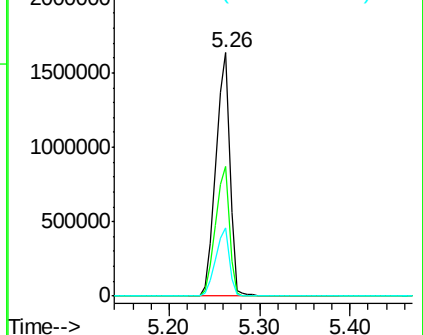
#5

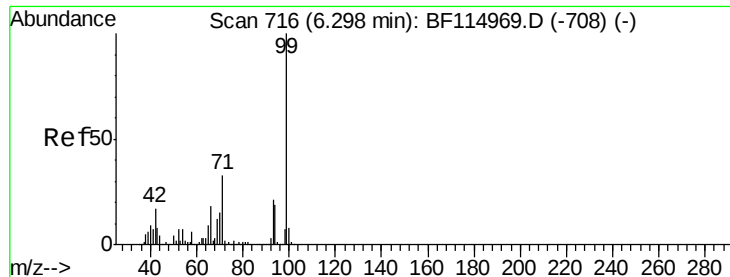
2-Fluorophenol
Concen: 96.460 ng
RT: 5.26 min Scan# 540
Delta R.T. 0.01 min
Lab File: BF115024.D
Acq: 14 Jun 2019 1:23

Tgt Ion:112 Resp: 1751224
Ion Ratio Lower Upper
112 100
64 53.0 41.6 62.4
63 28.1 20.9 31.3



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: 102.587 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF115024.D

Acq: 14 Jun 2019 1:23

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-012-ABCD

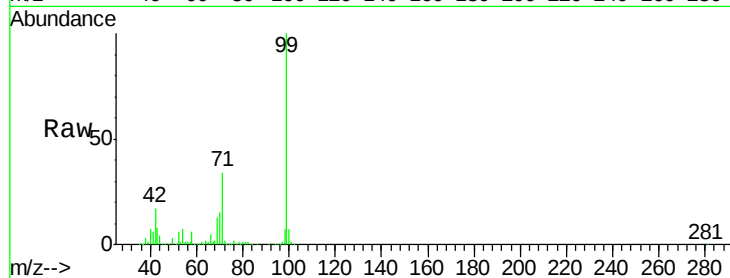
Tgt Ion: 99 Resp: 2246638

Ion Ratio Lower Upper

99 100

42 16.6 13.4 20.2

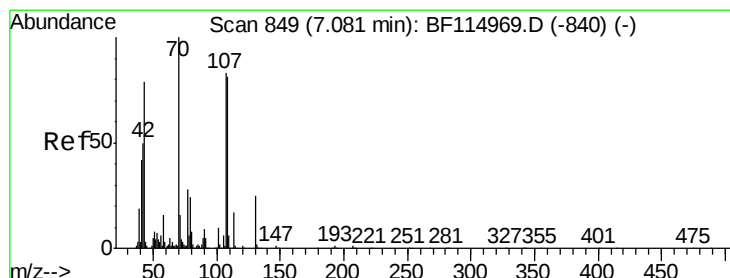
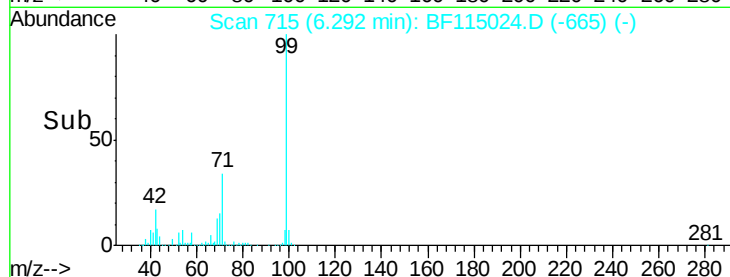
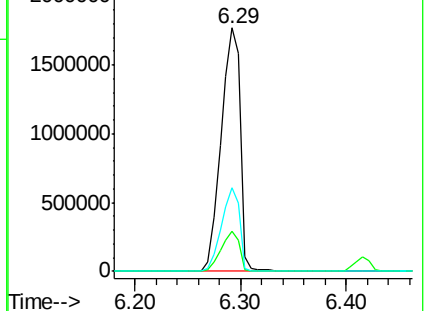
71 34.4 26.4 39.6



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: 13.520 ng

RT: 7.21 min Scan# 871

Delta R.T. 0.13 min

Lab File: BF115024.D

Acq: 14 Jun 2019 1:23

Tgt Ion: 70 Resp: 179890

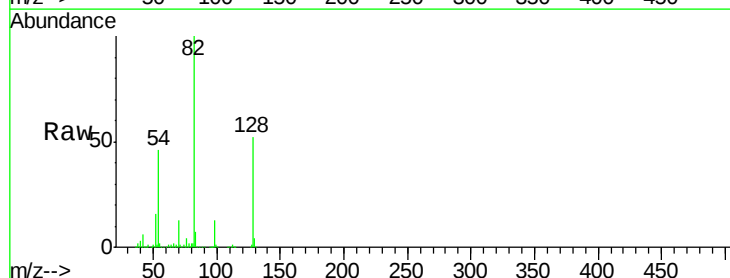
Ion Ratio Lower Upper

70 100

42 42.4 40.3 60.5

101 0.0 8.2 12.4#

130 2.2 20.3 30.5#

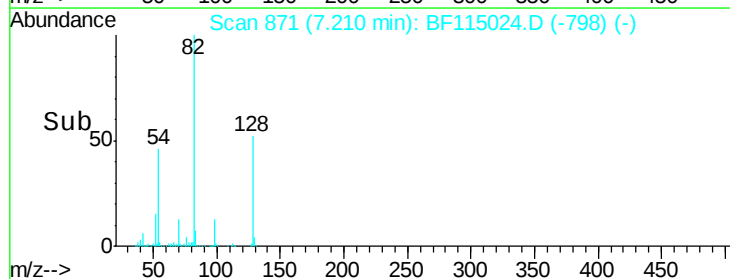
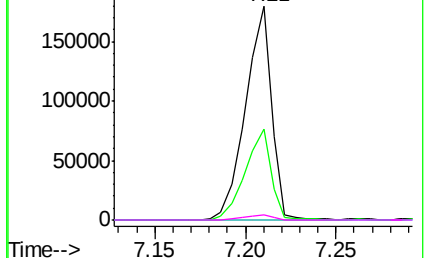


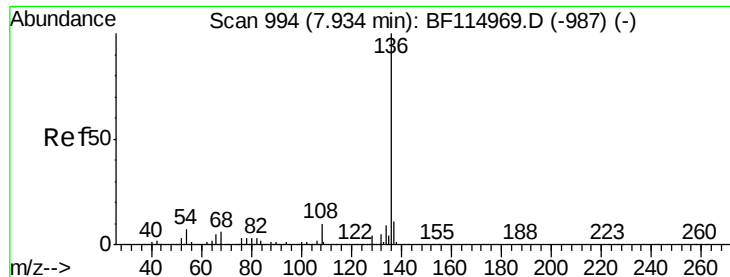
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

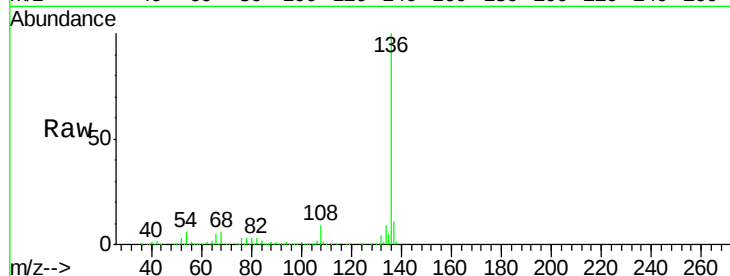




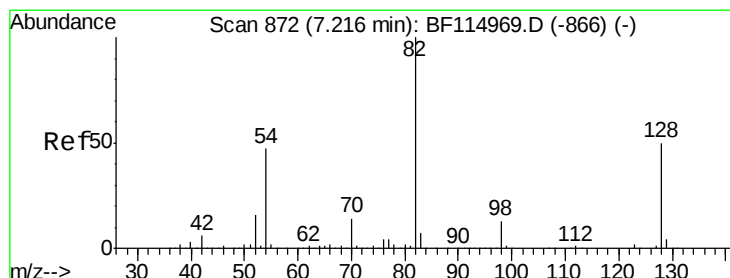
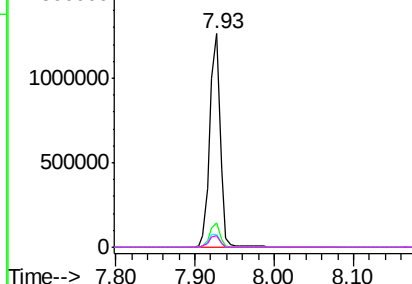
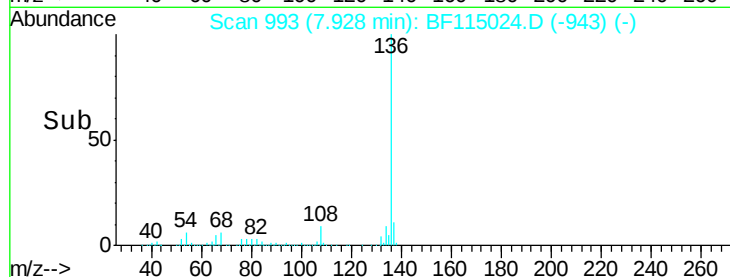
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF115024.D
Acq: 14 Jun 2019 1:23

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-012-ABCD

Tgt Ion:136 Resp: 1155168
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 6.1 5.4 8.0
68 5.5 4.6 7.0

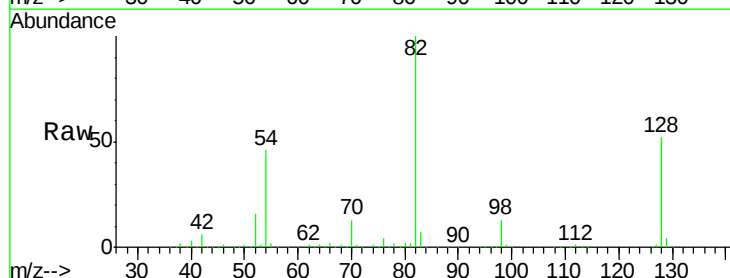


Abundance Ion 136.00 (135.70 to 136.70): E
2000000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

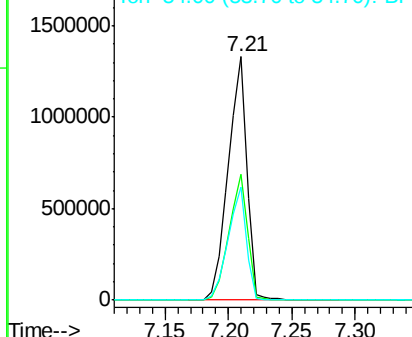
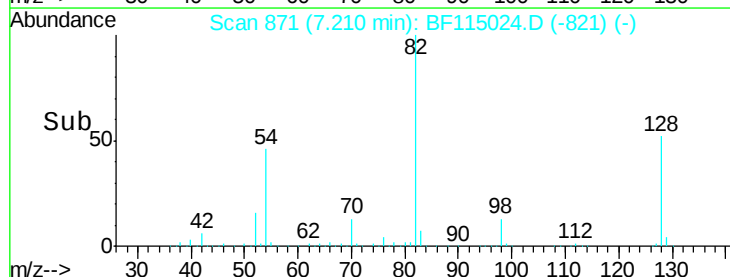


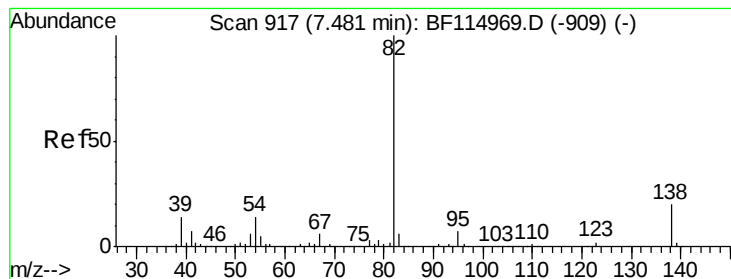
#23
Nitrobenzene-d5
Concen: 71.067 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF115024.D
Acq: 14 Jun 2019 1:23

Tgt Ion: 82 Resp: 1363866
Ion Ratio Lower Upper
82 100
128 51.9 39.9 59.9
54 46.4 37.3 55.9



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: 37.149 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.27 min

Lab File: BF115024.D

Acq: 14 Jun 2019 1:23

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-012-ABCD

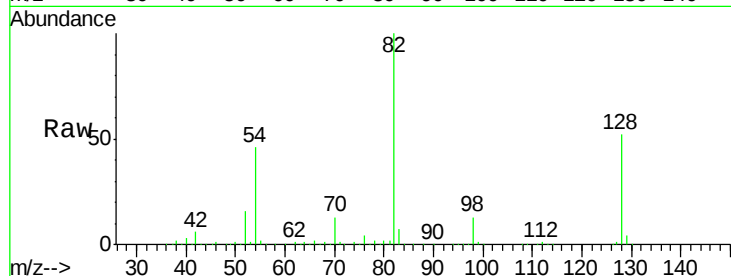
Tgt Ion: 82 Resp: 1335272

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

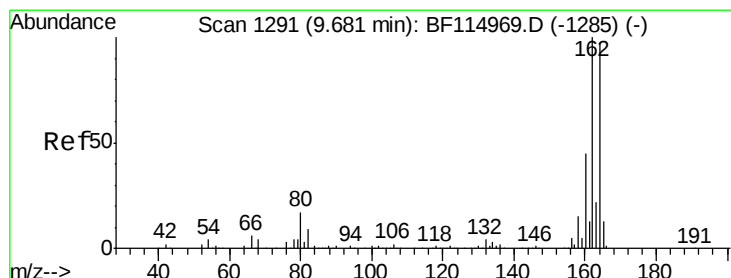
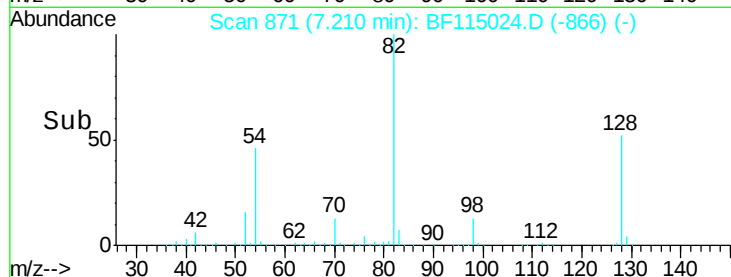
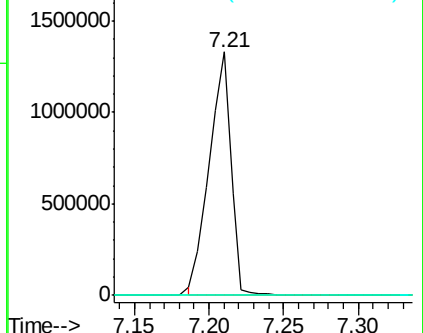
138 0.0 16.1 24.1#



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: 9.67 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BF115024.D

Acq: 14 Jun 2019 1:23

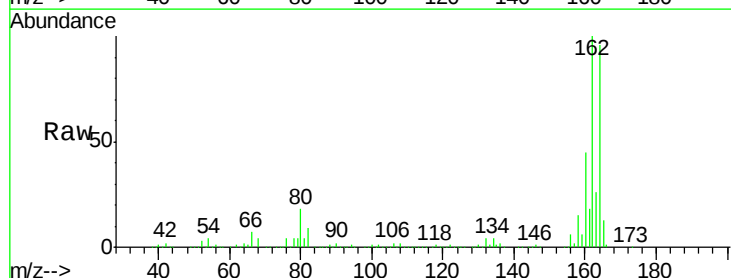
Tgt Ion: 164 Resp: 544030

Ion Ratio Lower Upper

164 100

162 104.1 82.6 124.0

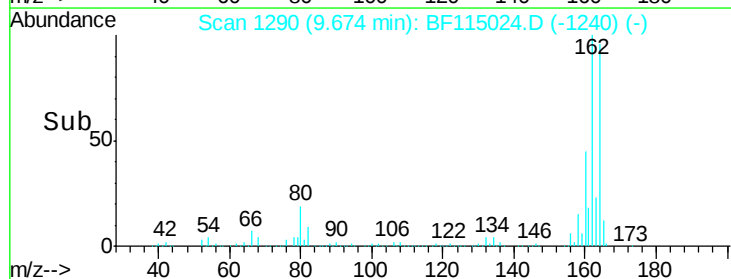
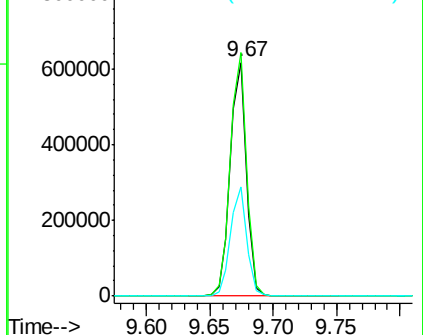
160 46.5 36.9 55.3

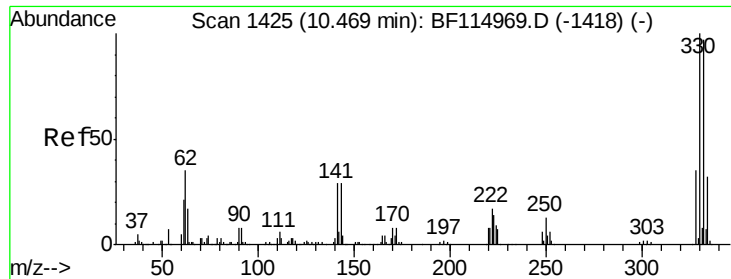


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

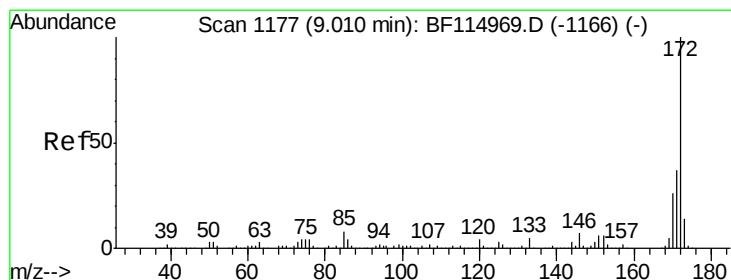
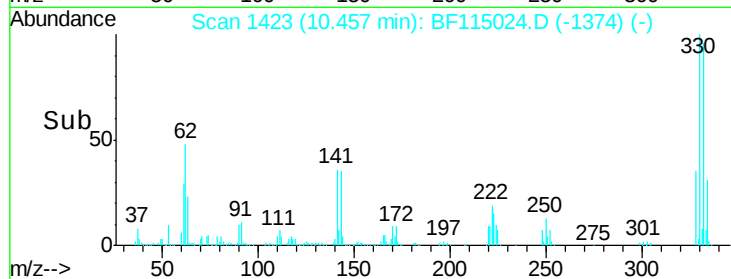
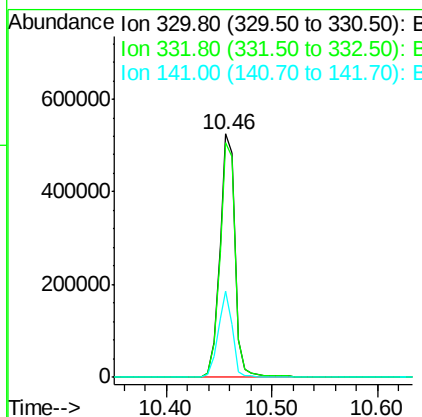
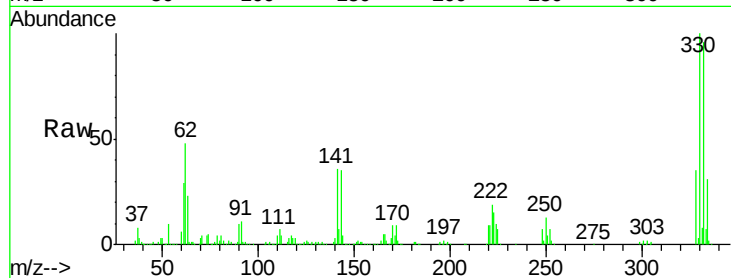




#42
 2,4,6-Tribromophenol
 Concen: 92.297 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: BF115024.D
 Acq: 14 Jun 2019 1:23

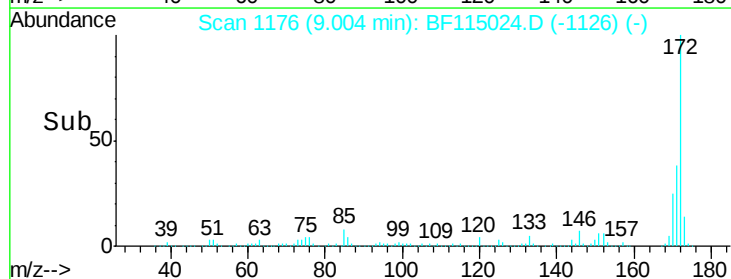
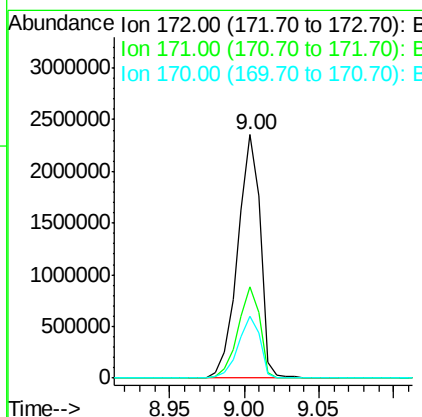
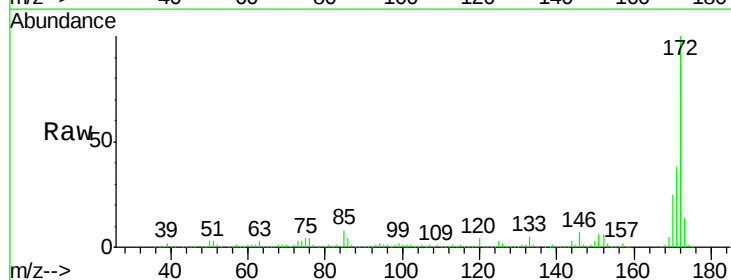
Instrument :
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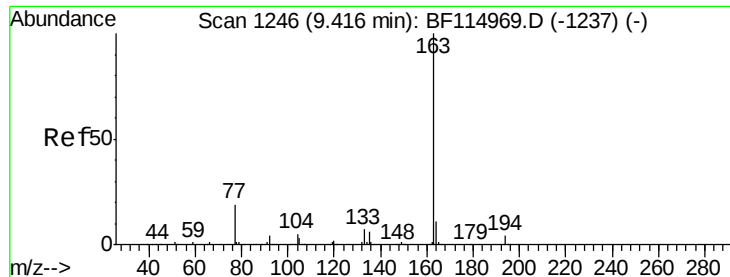
Tgt Ion:330 Resp: 537706
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.6 116.4
 141 33.0 27.2 40.8



#45
 2-Fluorobiphenyl
 Concen: 77.569 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: BF115024.D
 Acq: 14 Jun 2019 1:23

Tgt Ion:172 Resp: 2489894
 Ion Ratio Lower Upper
 172 100
 171 37.6 29.8 44.6
 170 25.3 20.6 31.0

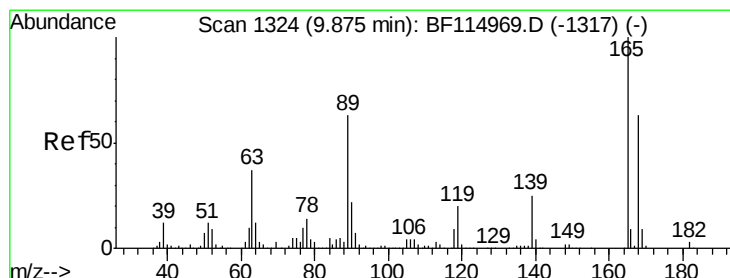
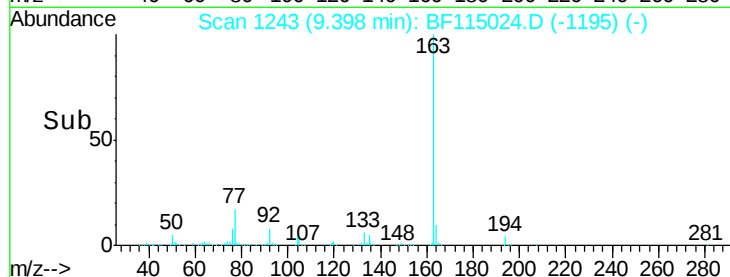
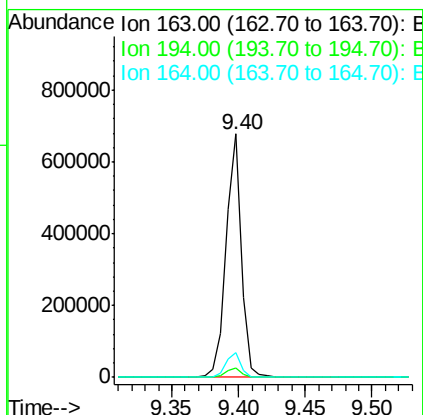
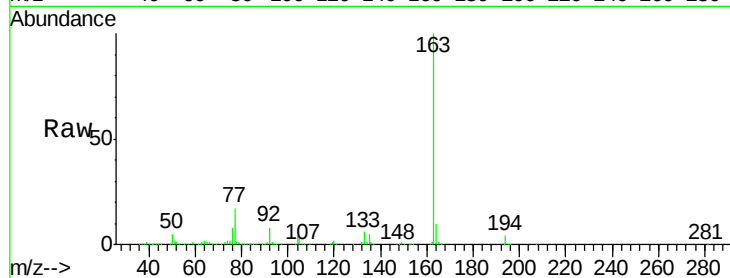




#50
Dimethylphthalate
Concen: 13.486 ng
RT: 9.40 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BF115024.D
Acq: 14 Jun 2019 1:23

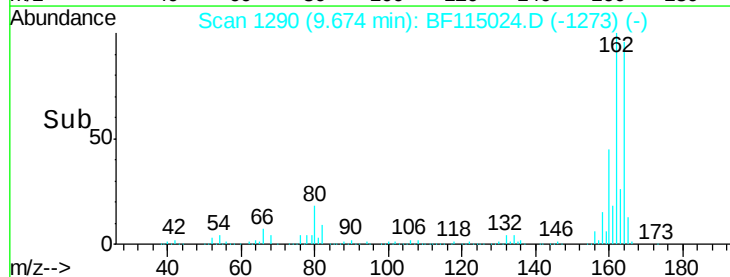
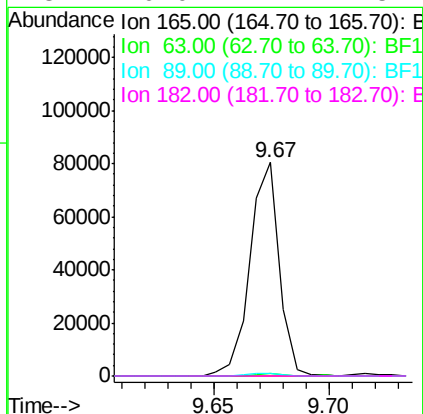
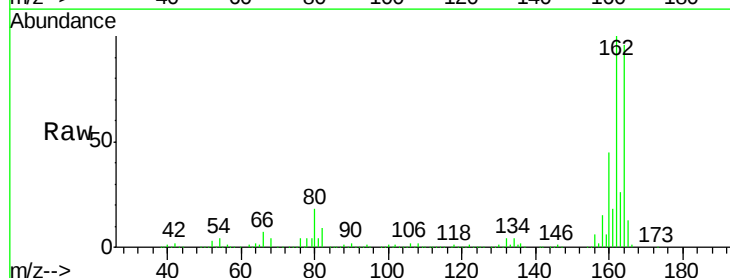
Instrument :
BNA_F
ClientSampleId :
FK-EF-01-012-ABCD

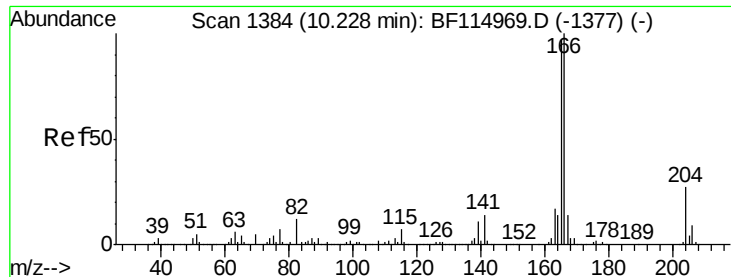
Tgt Ion:163 Resp: 551755
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 10.0 8.6 12.8



#57
2,4-Dinitrotoluene
Concen: 6.052 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.20 min
Lab File: BF115024.D
Acq: 14 Jun 2019 1:23

Tgt Ion:165 Resp: 71492
Ion Ratio Lower Upper
165 100
63 1.2 29.4 44.2#
89 1.2 50.6 75.8#
182 0.0 2.2 3.2#





#58

Fluorene

Concen: Below Cal

RT: 10.22 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BF115024.D

Acq: 14 Jun 2019 1:23

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-012-ABCD

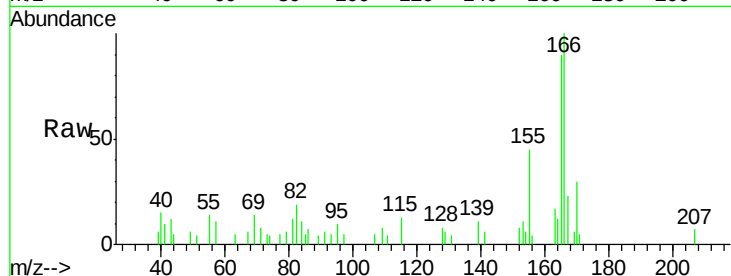
Tgt Ion:166 Resp: 6541

Ion Ratio Lower Upper

166 100

165 90.2 77.6 116.4

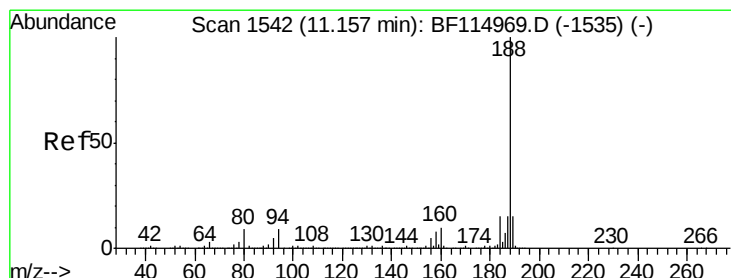
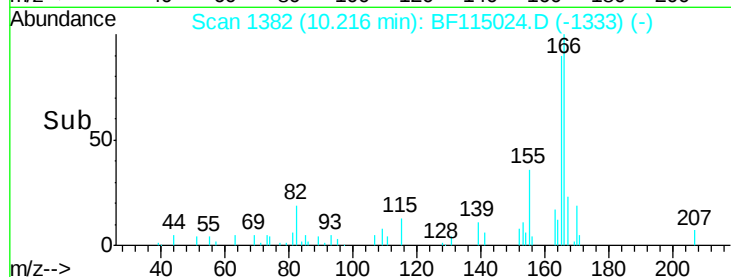
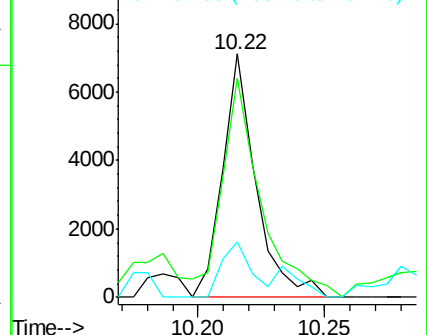
167 23.0 11.0 16.4#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.14 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BF115024.D

Acq: 14 Jun 2019 1:23

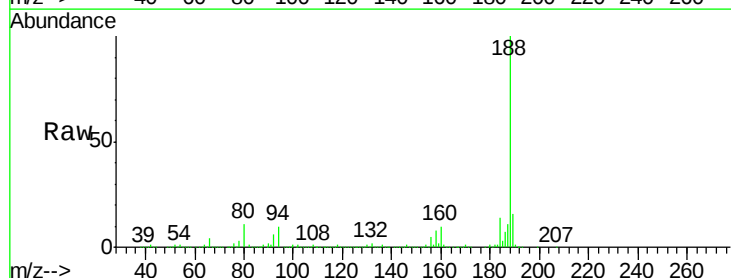
Tgt Ion:188 Resp: 980673

Ion Ratio Lower Upper

188 100

94 10.3 7.2 10.8

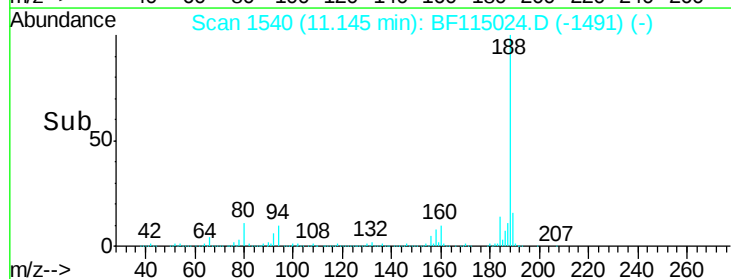
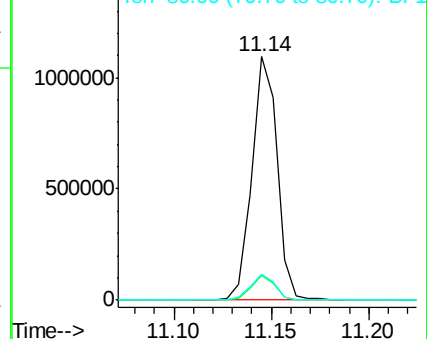
80 10.9 7.4 11.2

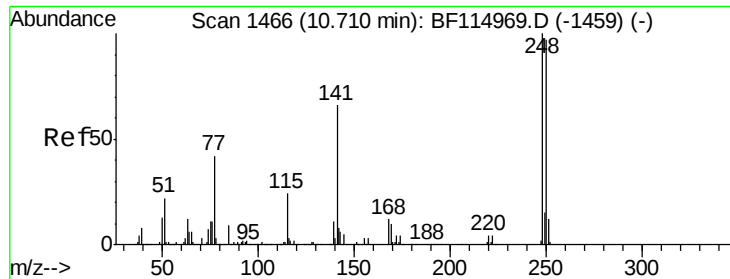


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

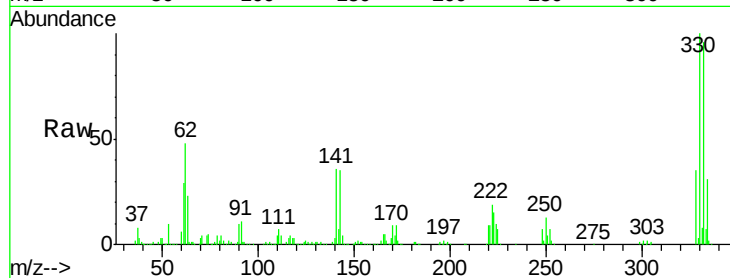




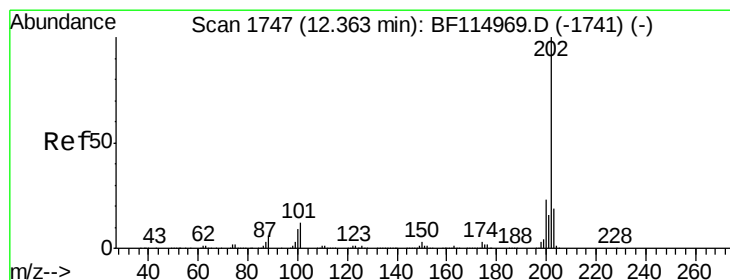
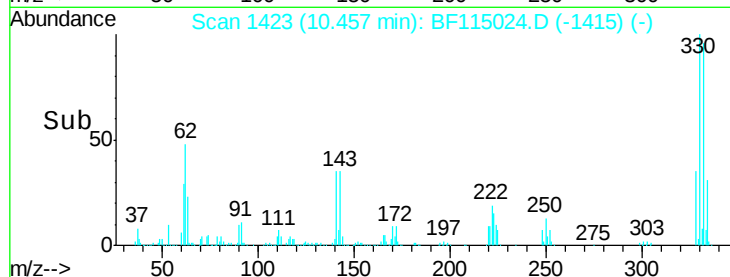
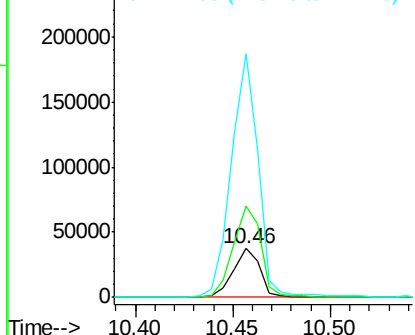
#67
 4-Bromophenyl-phenylether
 Concen: 3.355 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.25 min
 Lab File: BF115024.D
 Acq: 14 Jun 2019 1:23

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-012-ABCD

Tgt Ion:248 Resp: 35323
 Ion Ratio Lower Upper
 248 100
 250 187.5 77.8 116.8#
 141 496.8 53.1 79.7#

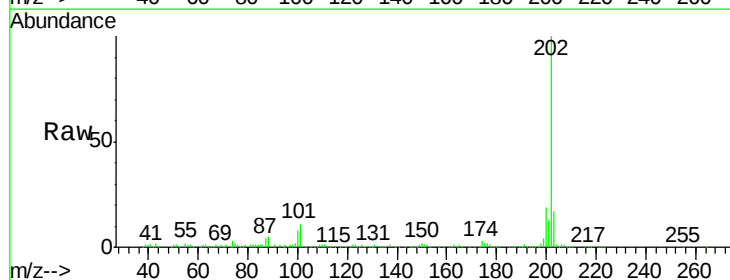


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

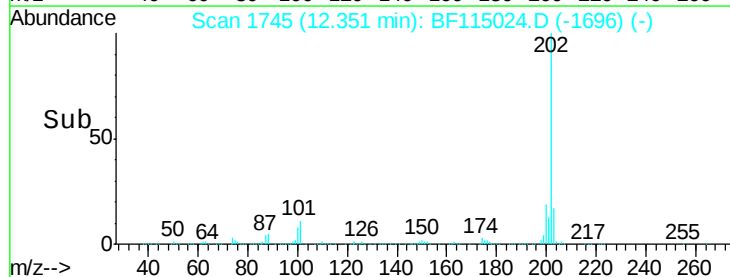
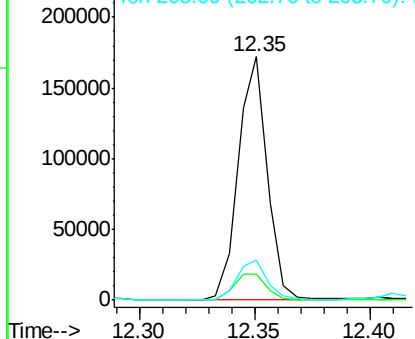


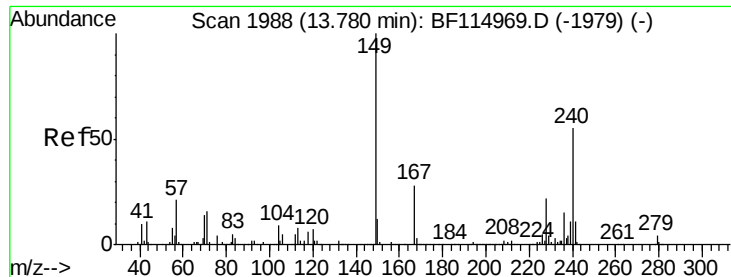
#75
 Fluoranthene
 Concen: 2.924 ng
 RT: 12.35 min Scan# 1745
 Delta R.T. -0.01 min
 Lab File: BF115024.D
 Acq: 14 Jun 2019 1:23

Tgt Ion:202 Resp: 151403
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 32.4
 203 16.7 0.0 38.6



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: 13.77 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BF115024.D

Acq: 14 Jun 2019 1:23

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-012-ABCD

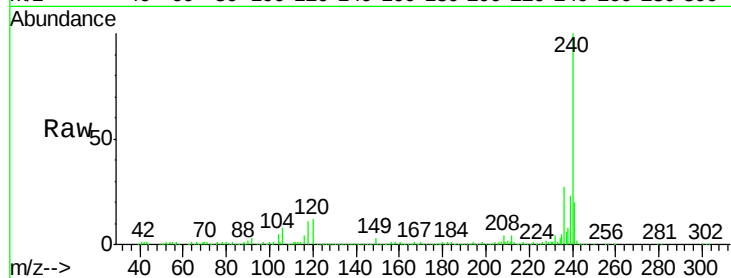
Tgt Ion:240 Resp: 546526

Ion Ratio Lower Upper

240 100

120 12.0 10.0 15.0

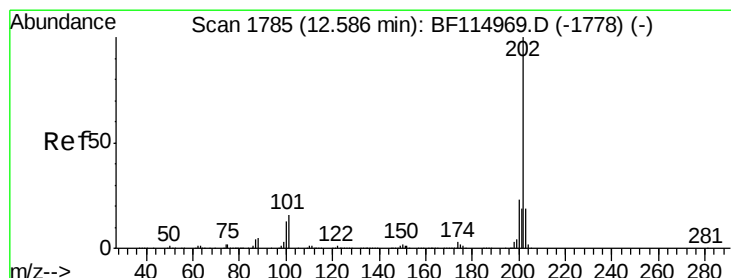
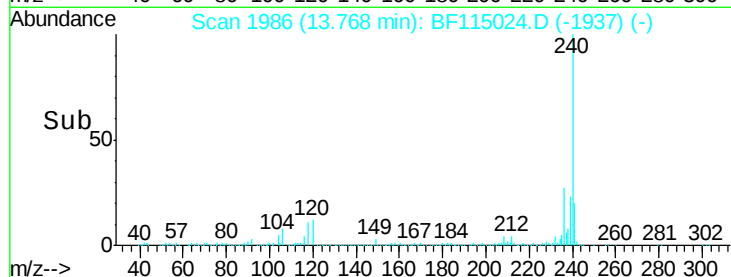
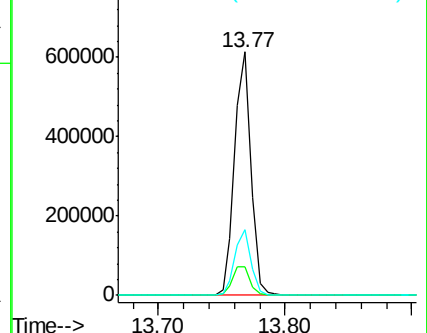
236 26.8 21.6 32.4



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

Pyrene

Concen: 2.728 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF115024.D

Acq: 14 Jun 2019 1:23

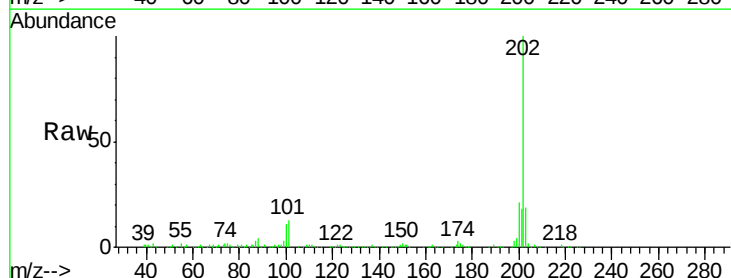
Tgt Ion:202 Resp: 135834

Ion Ratio Lower Upper

202 100

200 21.2 18.4 27.6

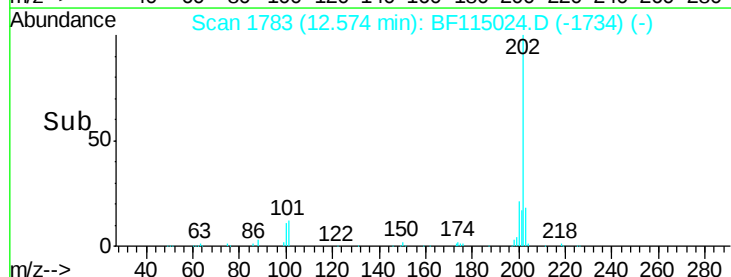
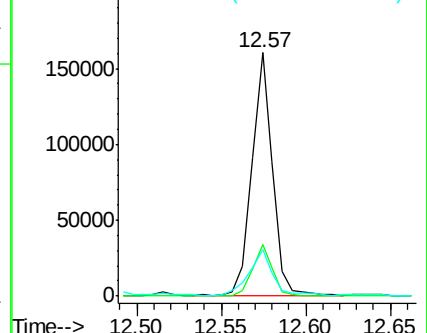
203 19.0 14.9 22.3

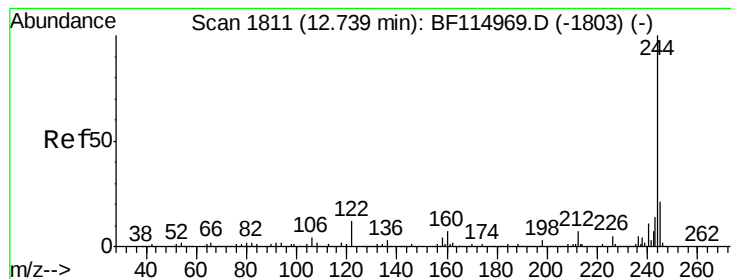


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 72.699 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF115024.D

Acq: 14 Jun 2019 1:23

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-012-ABCD

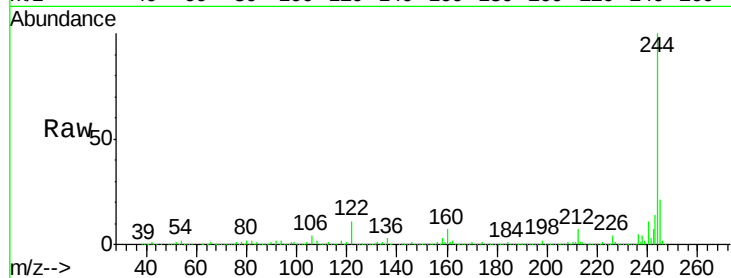
Tgt Ion:244 Resp: 2112413

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

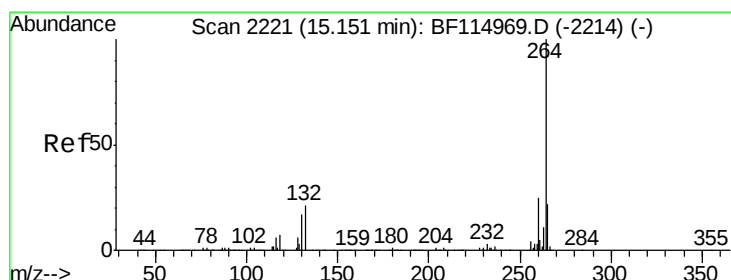
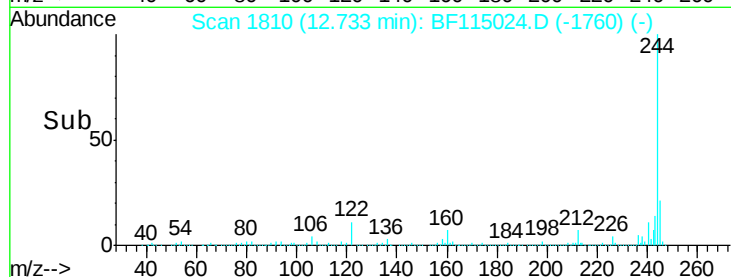
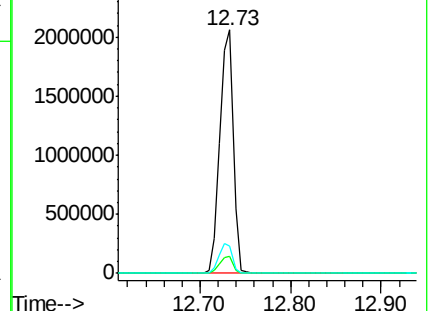
122 11.2 9.4 14.0



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.14 min Scan# 2220

Delta R.T. -0.01 min

Lab File: BF115024.D

Acq: 14 Jun 2019 1:23

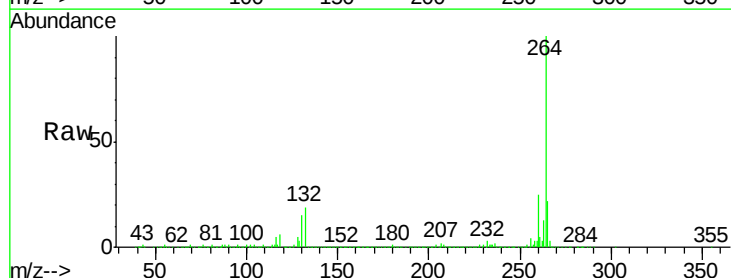
Tgt Ion:264 Resp: 566225

Ion Ratio Lower Upper

264 100

260 24.6 19.9 29.9

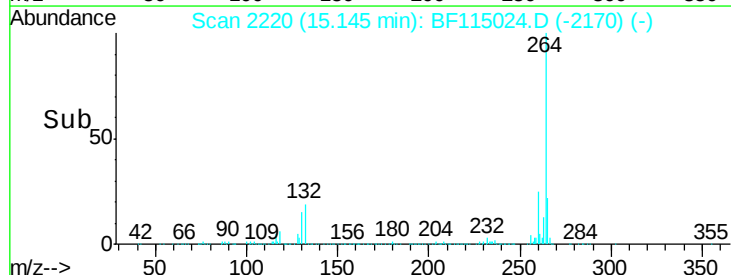
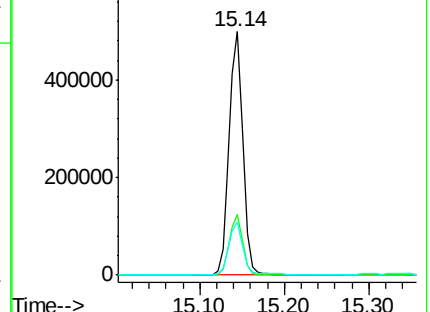
265 21.6 17.6 26.4

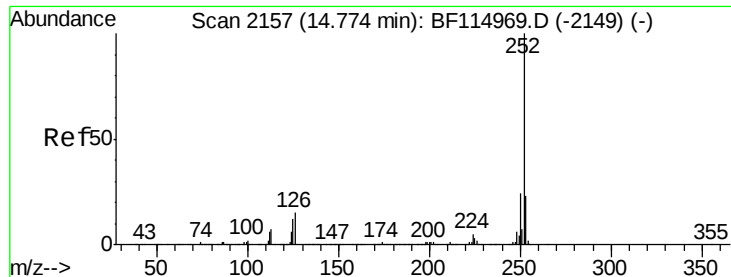


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 3.839 ng

RT: 14.76 min Scan# 2155

Delta R.T. -0.01 min

Lab File: BF115024.D

Acq: 14 Jun 2019 1:23

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-012-ABCD

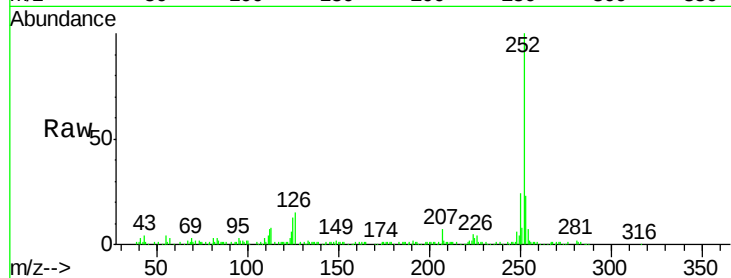
Tgt Ion:252 Resp: 144500

Ion Ratio Lower Upper

252 100

253 23.5 18.1 27.1

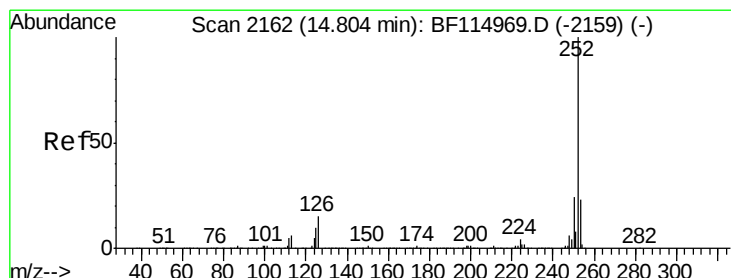
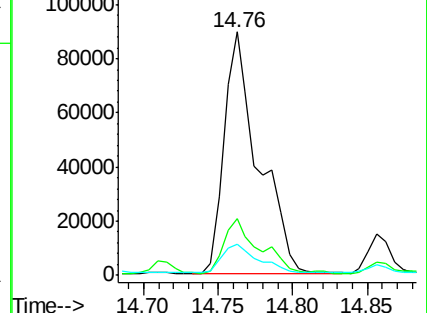
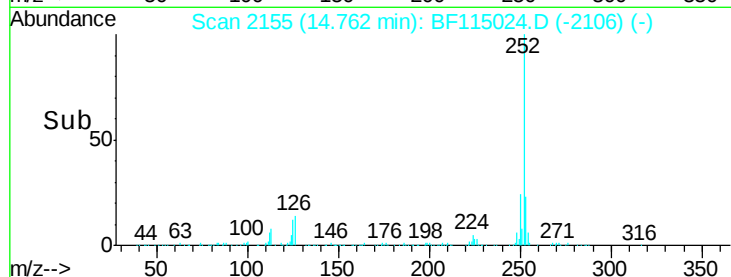
125 12.7 9.4 14.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 4.374 ng

RT: 14.76 min Scan# 2155

Delta R.T. -0.04 min

Lab File: BF115024.D

Acq: 14 Jun 2019 1:23

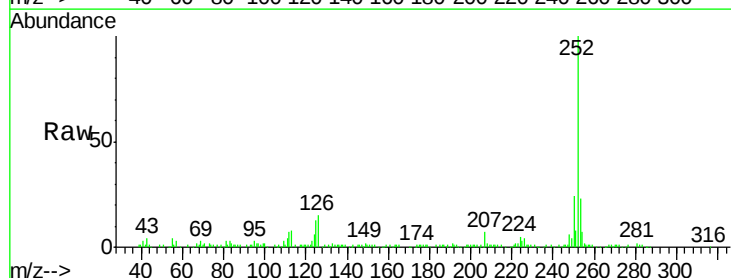
Tgt Ion:252 Resp: 144500

Ion Ratio Lower Upper

252 100

253 23.5 18.0 27.0

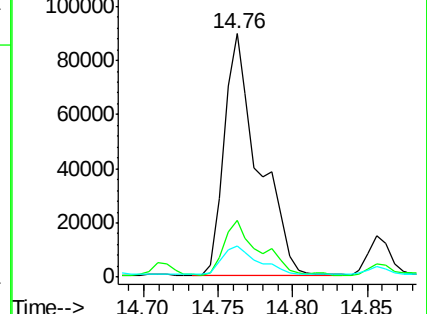
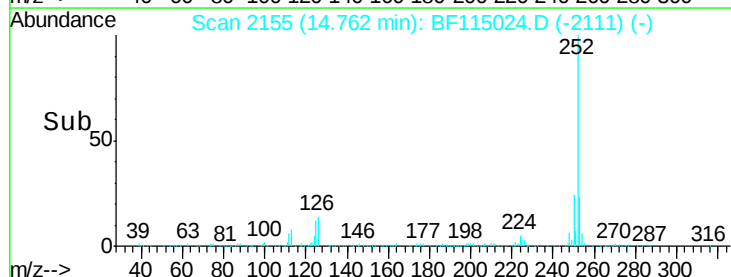
125 12.7 8.2 12.4#

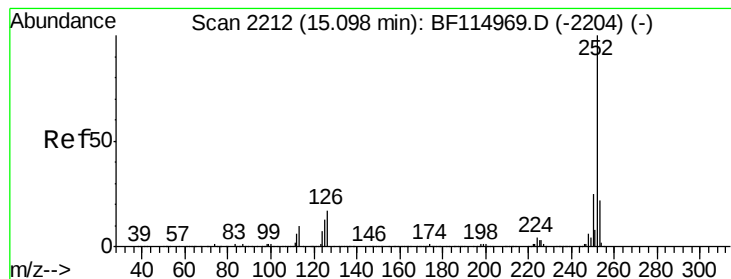


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.025 ng

RT: 15.09 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BF115024.D

Acq: 14 Jun 2019 1:23

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-012-ABCD

Tgt Ion:252 Resp: 65757

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.8

125 11.5 10.7 16.1

