

Data File : BF114761.D
Acq On : 1 Jun 2019 17:05
Operator : HP/JU
Sample : K3108-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-010-ABCD

Quant Time: Jun 03 01:41:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 19:08:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	386490	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1340057	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	599758	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	1063355	20.00	ng	0.00
76) Chrysene-d12	13.82	240	898940	20.00	ng	0.00
87) Perylene-d12	15.20	264	867595	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	2624942	119.24	ng	0.02
7) Phenol-d6	6.34	99	3127016	117.88	ng	0.01
23) Nitrobenzene-d5	7.26	82	1924776	89.61	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	736606	128.90	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	3066037	98.59	ng	0.00
79) Terphenyl-d14	12.78	244	2997906	62.70	ng	0.00

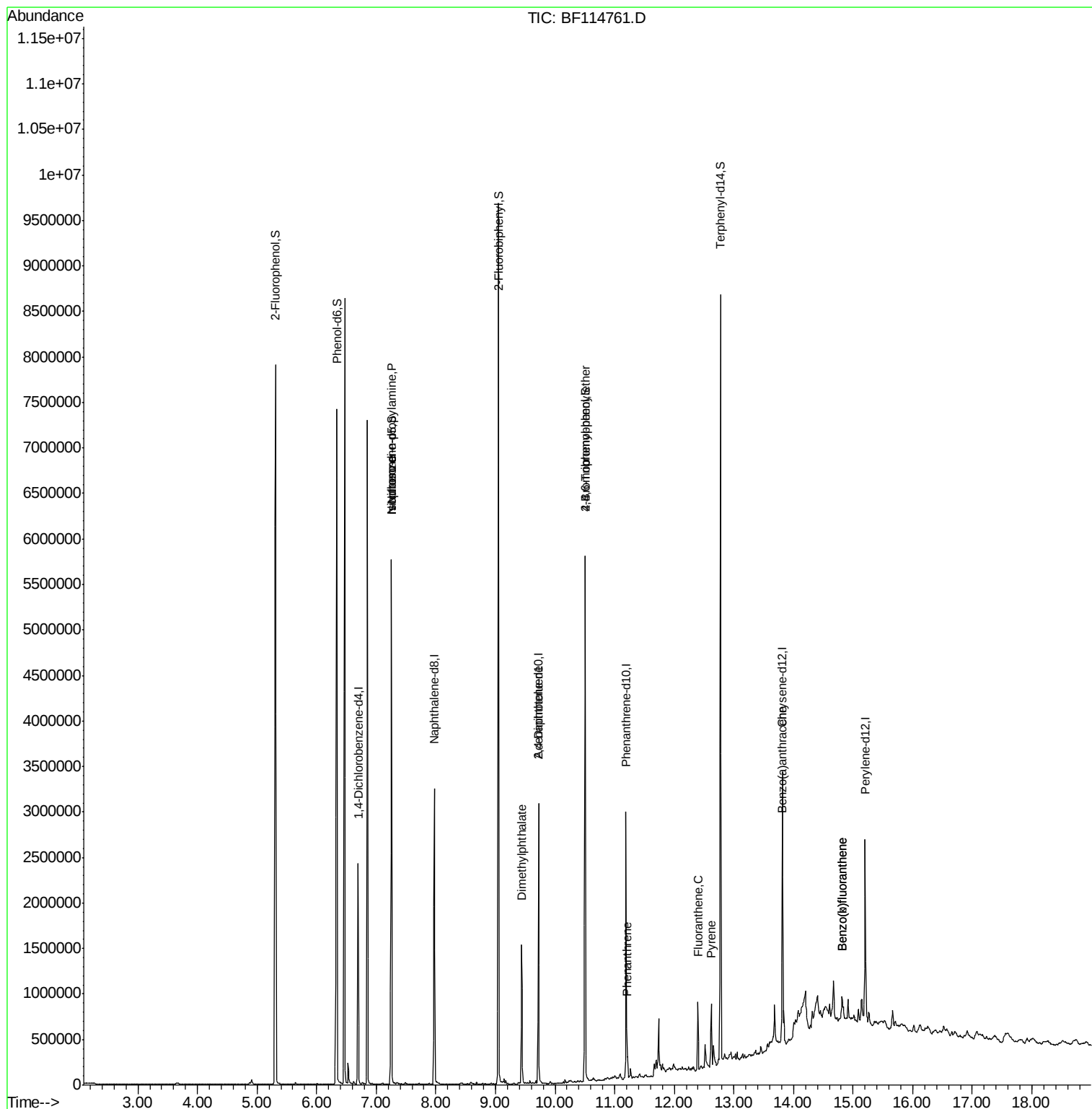
Target Compounds				Qvalue		
9) Benzaldehyde	6.34	77	5539	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.26	70	263219	14.376 ng	#	75
25) Isophorone	7.26	82	1887358	43.784 ng	#	63
50) Dimethylphthalate	9.44	163	603324	14.436 ng		99
57) 2,4-Dinitrotoluene	9.72	165	78104	6.267 ng	#	23
58) Fluorene	10.26	166	7422	Below Cal	#	88
61) 4-Chlorophenyl-phenylether	10.07	204	221	Below Cal	#	27
67) 4-Bromophenyl-phenylether	10.50	248	46212	4.053 ng	#	1
71) Phenanthrene	11.22	178	134405	2.478 ng		95
74) Di-n-butylphthalate	11.77	149	11432	Below Cal	#	76
75) Fluoranthene	12.40	202	285164	5.077 ng		95
78) Pyrene	12.62	202	259582	3.414 ng		96
81) Benzo(a)anthracene	13.80	228	140897	2.040 ng		97
88) Benzo(b)fluoranthene	14.82	252	195590	3.579 ng	#	96
89) Benzo(k)fluoranthene	14.82	252	195590	4.118 ng	#	96

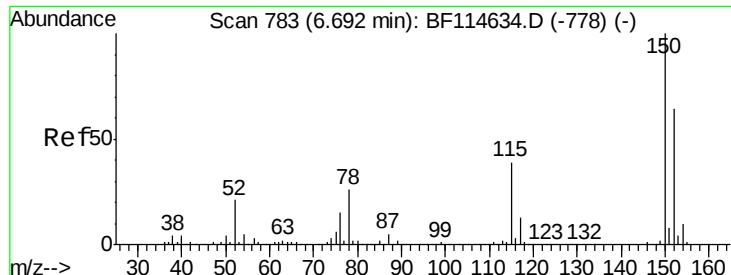
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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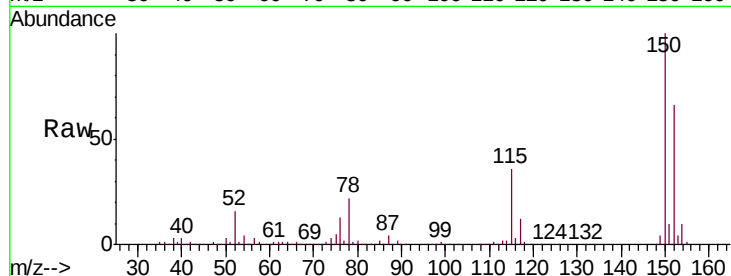


#1

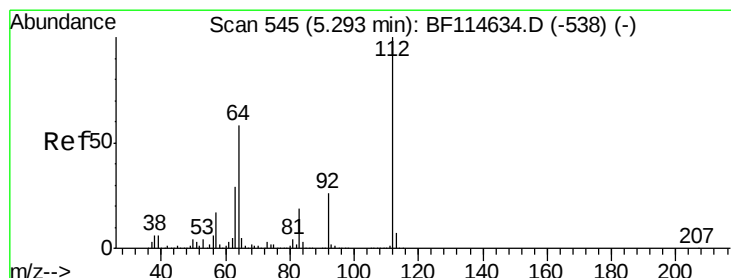
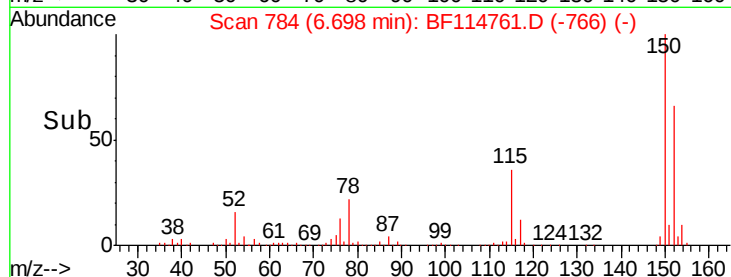
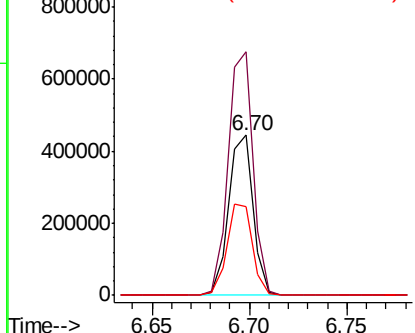
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF114761.D
Acq: 1 Jun 2019 17:05

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-010-ABCD

Tgt Ion:152 Resp: 386490
Ion Ratio Lower Upper
152 100
150 152.0 124.4 186.6
115 55.4 48.7 73.1



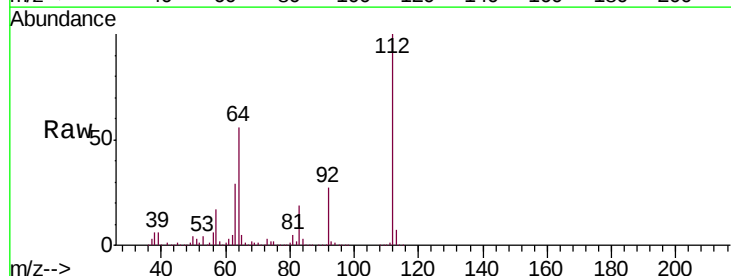
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



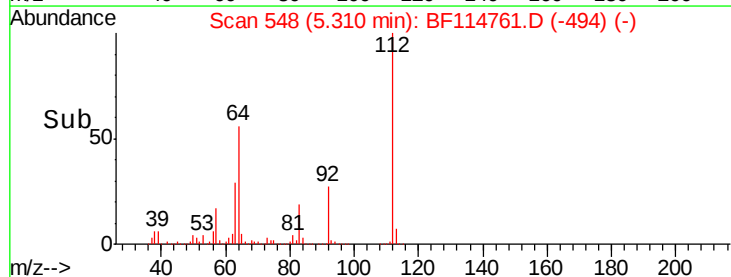
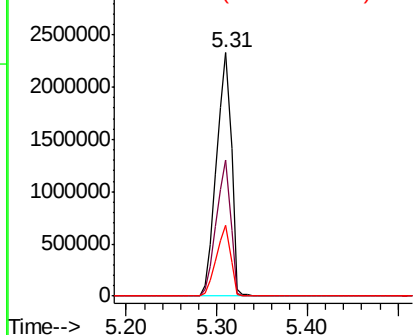
#5

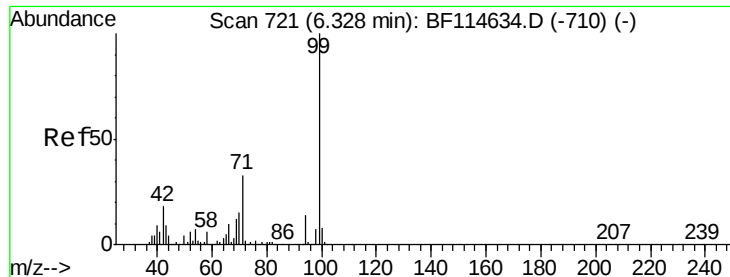
2-Fluorophenol
Concen: 119.243 ng
RT: 5.31 min Scan# 548
Delta R.T. 0.02 min
Lab File: BF114761.D
Acq: 1 Jun 2019 17:05

Tgt Ion:112 Resp: 2624942
Ion Ratio Lower Upper
112 100
64 56.1 46.1 69.1
63 29.1 23.4 35.2



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: 117.881 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.01 min

Lab File: BF114761.D

Acq: 1 Jun 2019 17:05

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-010-ABCD

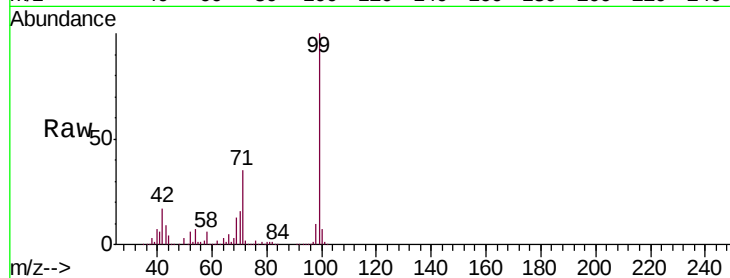
Tgt Ion: 99 Resp: 3127016

Ion Ratio Lower Upper

99 100

42 17.1 14.7 22.1

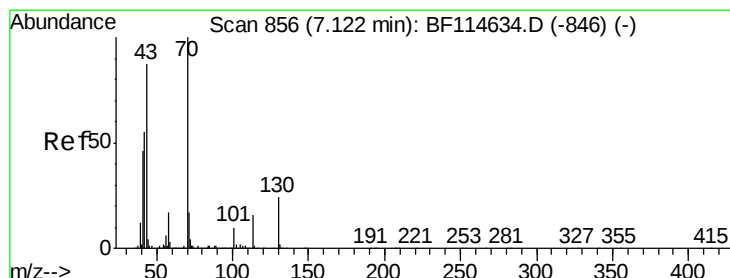
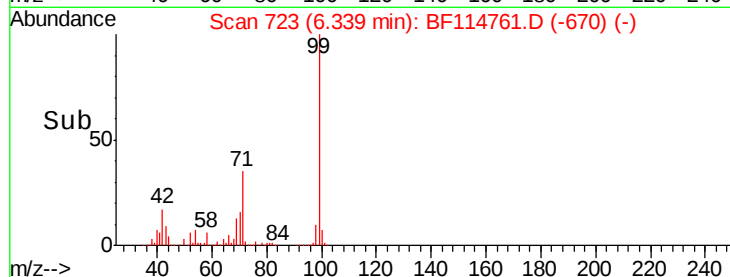
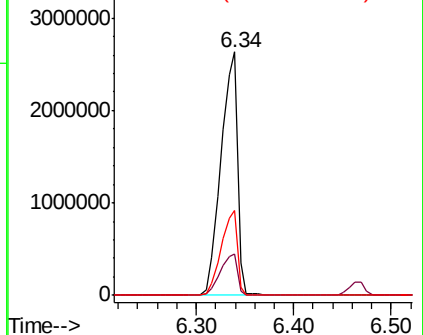
71 35.1 26.6 40.0



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: 14.376 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF114761.D

Acq: 1 Jun 2019 17:05

Tgt Ion: 70 Resp: 263219

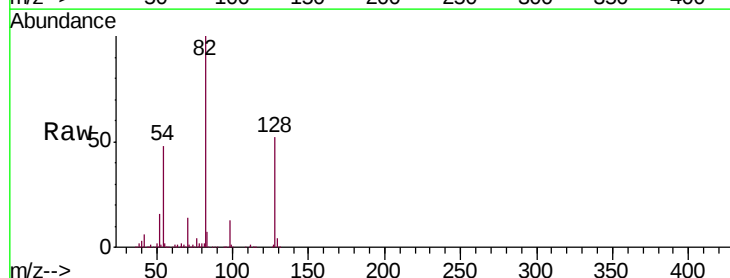
Ion Ratio Lower Upper

70 100

42 43.3 44.4 66.6#

101 0.0 8.2 12.4#

130 2.3 19.4 29.0#

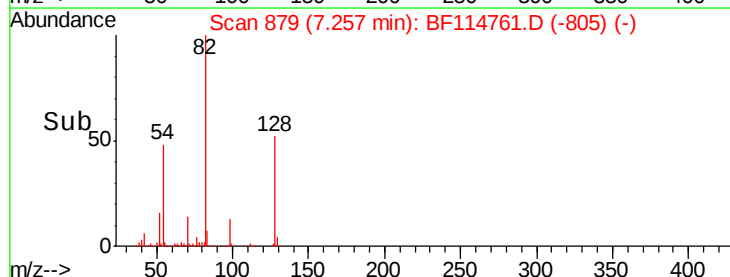
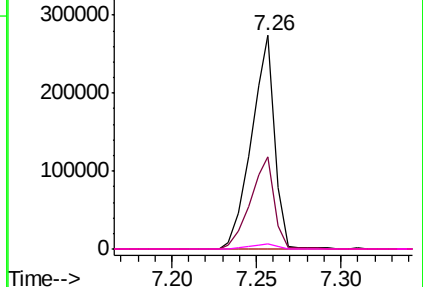


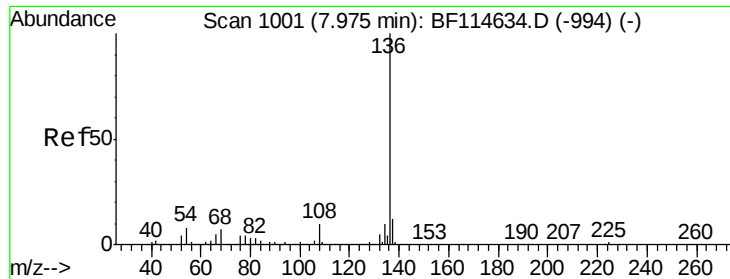
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

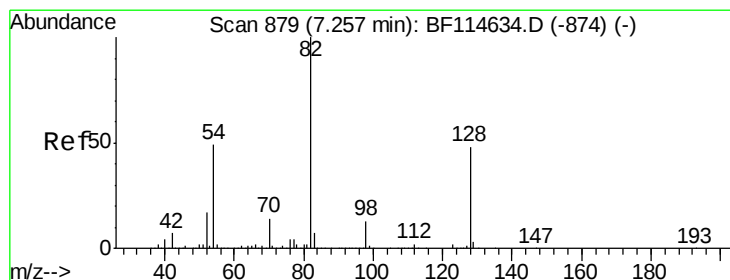
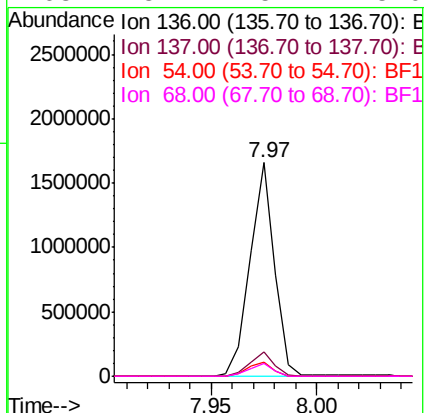
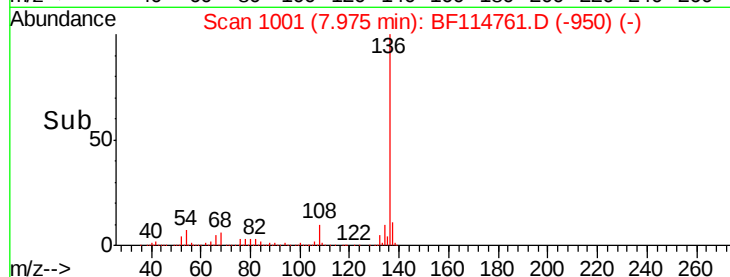
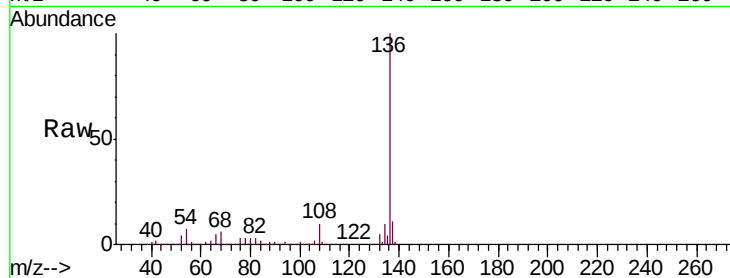




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BF114761.D
Acq: 1 Jun 2019 17:05

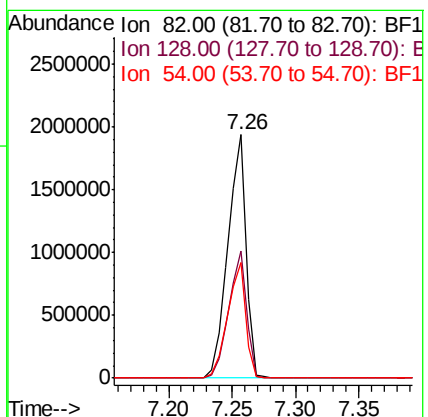
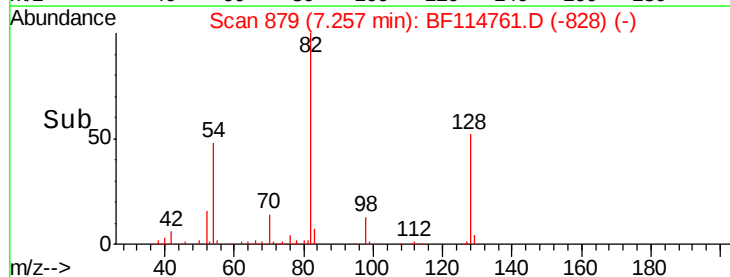
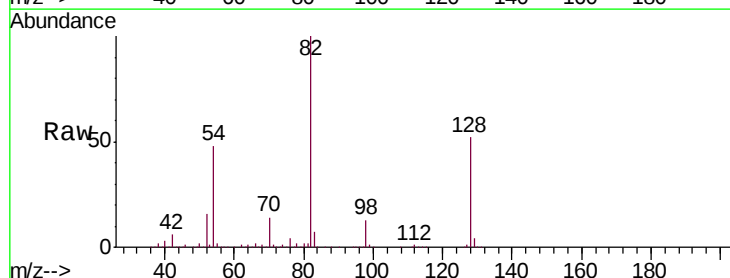
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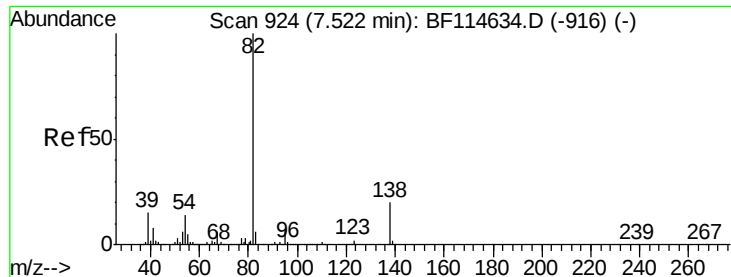
Tgt Ion:	136	Resp:	1340057
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	6.8	6.3	9.5
68	5.7	5.4	8.0



#23
Nitrobenzene-d5
Concen: 89.612 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: BF114761.D
Acq: 1 Jun 2019 17:05

Tgt Ion:	82	Resp:	1924776
Ion	Ratio	Lower	Upper
82	100		
128	52.0	38.5	57.7
54	47.5	39.1	58.7





#25

Isophorone

Concen: 43.784 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF114761.D

Acq: 1 Jun 2019 17:05

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-010-ABCD

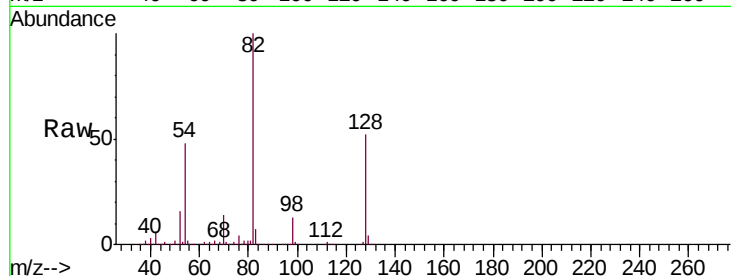
Tgt Ion: 82 Resp: 1887358

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

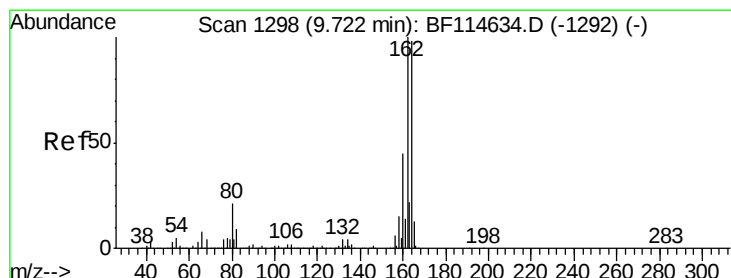
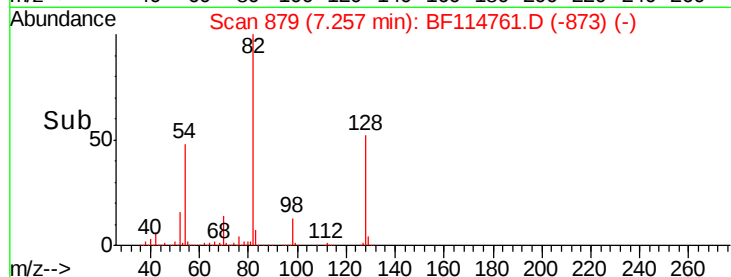
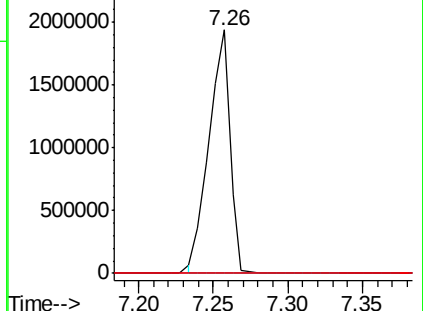
138 0.0 15.9 23.9#



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: 9.72 min Scan# 1298

Delta R.T. -0.00 min

Lab File: BF114761.D

Acq: 1 Jun 2019 17:05

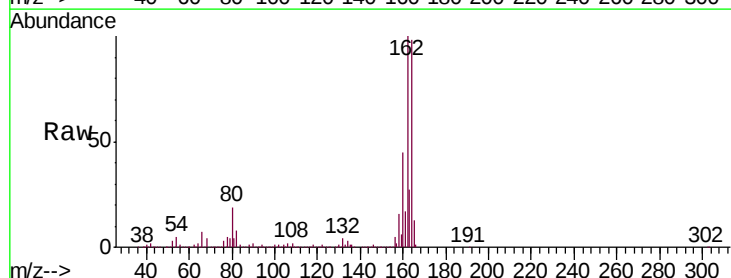
Tgt Ion: 164 Resp: 599758

Ion Ratio Lower Upper

164 100

162 102.3 81.4 122.2

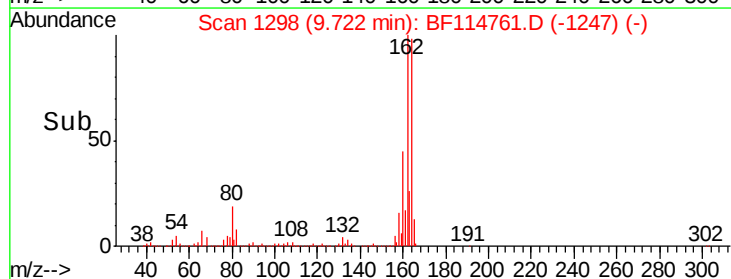
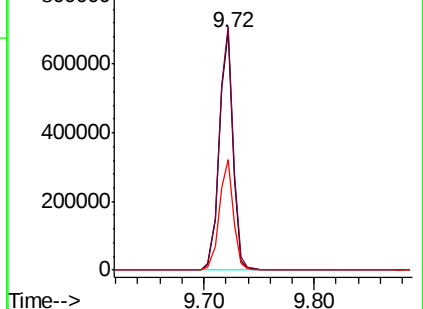
160 46.5 36.6 54.8

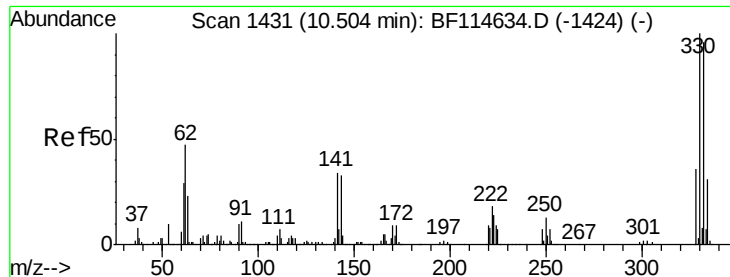


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

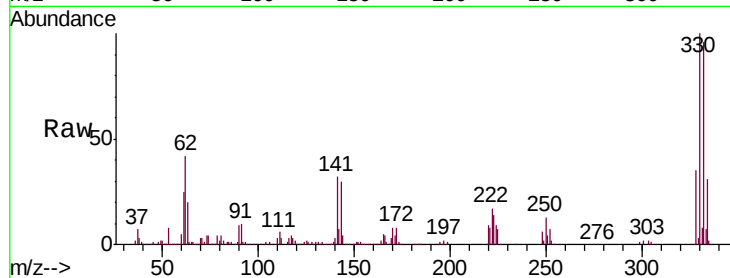




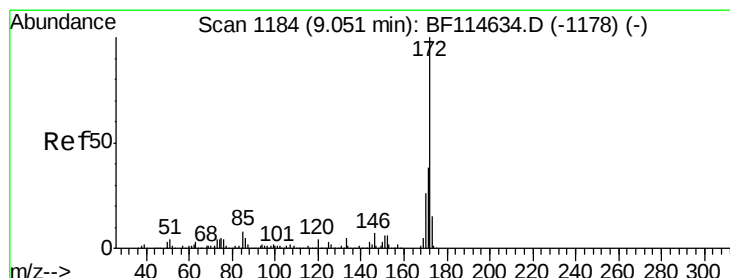
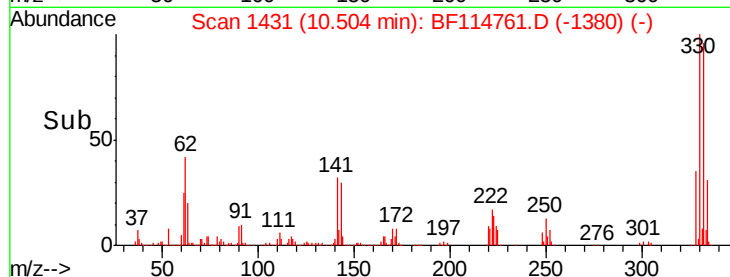
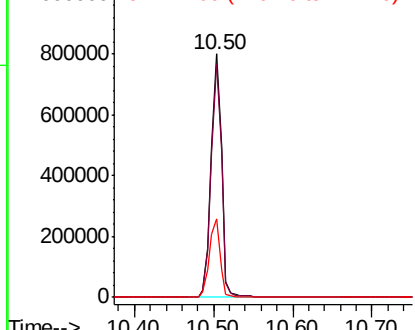
#42
 2,4,6-Tribromophenol
 Concen: 128.896 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: BF114761.D
 Acq: 1 Jun 2019 17:05

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-010-ABCD

Tgt Ion:330 Resp: 736606
 Ion Ratio Lower Upper
 330 100
 332 96.0 75.8 113.8
 141 32.9 27.8 41.8

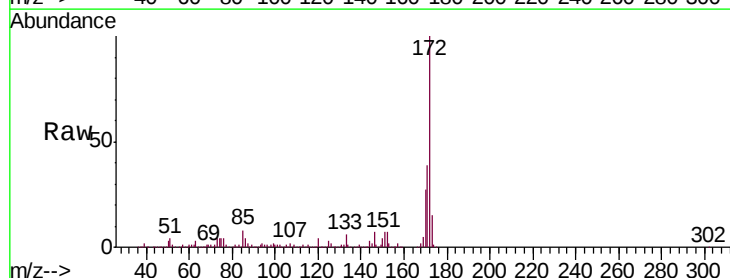


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

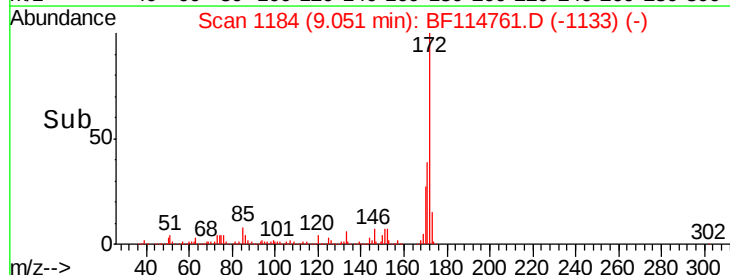
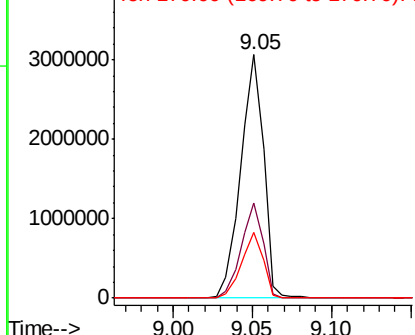


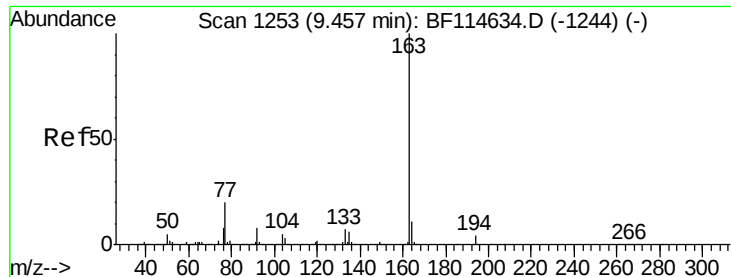
#45
 2-Fluorobiphenyl
 Concen: 98.589 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF114761.D
 Acq: 1 Jun 2019 17:05

Tgt Ion:172 Resp: 3066037
 Ion Ratio Lower Upper
 172 100
 171 39.1 30.6 45.8
 170 26.9 20.7 31.1



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

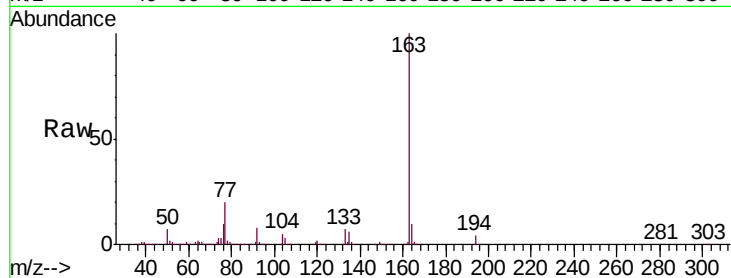




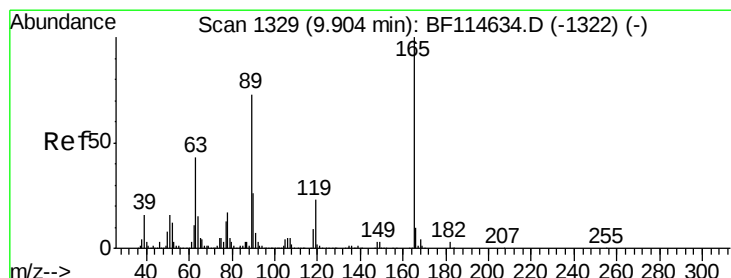
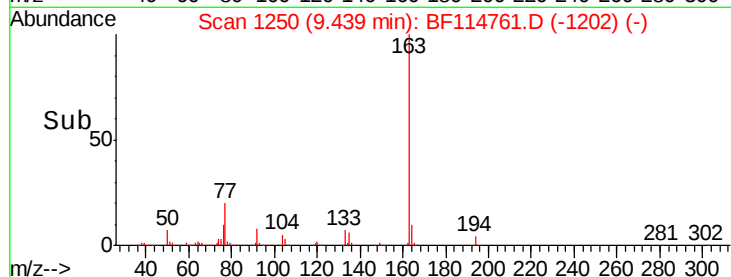
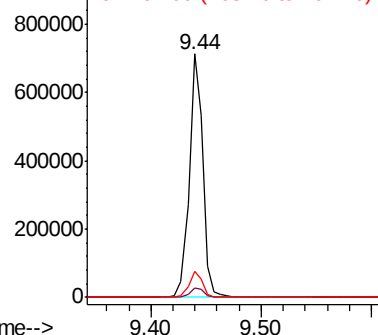
#50
Dimethylphthalate
Concen: 14.436 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BF114761.D
Acq: 1 Jun 2019 17:05

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-010-ABCD

Tgt Ion:163 Resp: 603324
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.0
164 10.5 8.6 13.0

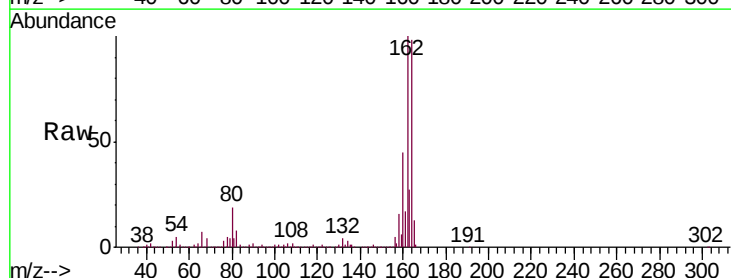


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

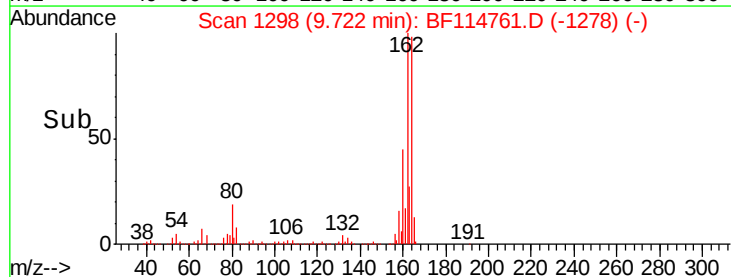
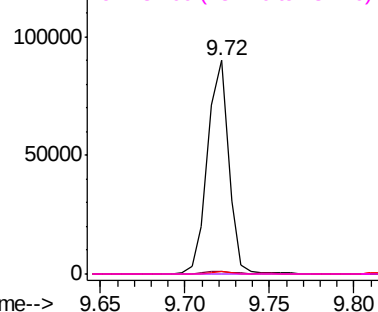


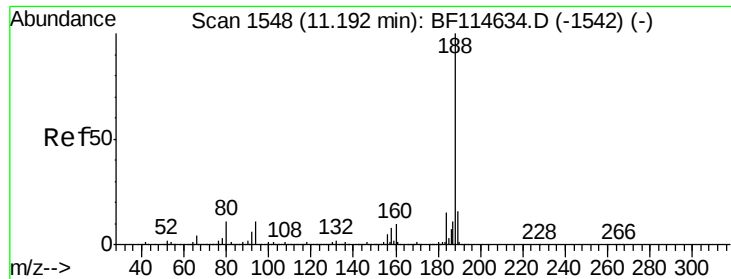
#57
2,4-Dinitrotoluene
Concen: 6.267 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.18 min
Lab File: BF114761.D
Acq: 1 Jun 2019 17:05

Tgt Ion:165 Resp: 78104
Ion Ratio Lower Upper
165 100
63 1.2 34.8 52.2#
89 1.3 58.5 87.7#
182 0.0 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

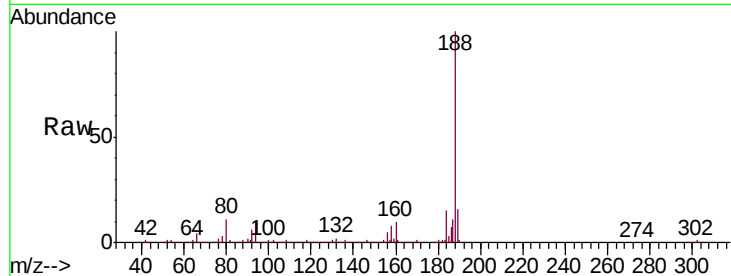




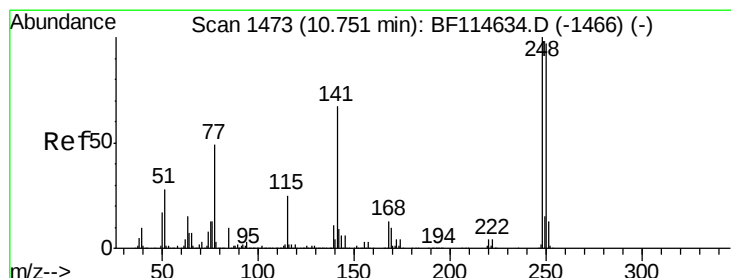
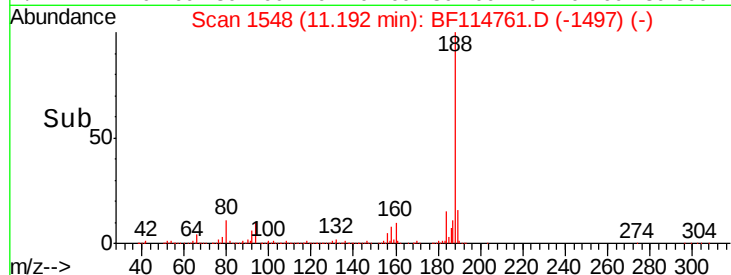
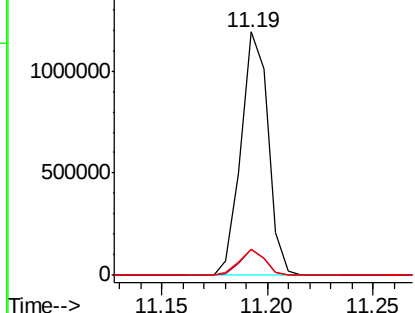
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.00 min
Lab File: BF114761.D
Acq: 1 Jun 2019 17:05

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-010-ABCD

Tgt Ion:188 Resp: 1063355
Ion Ratio Lower Upper
188 100
94 10.4 8.6 13.0
80 10.6 9.0 13.6

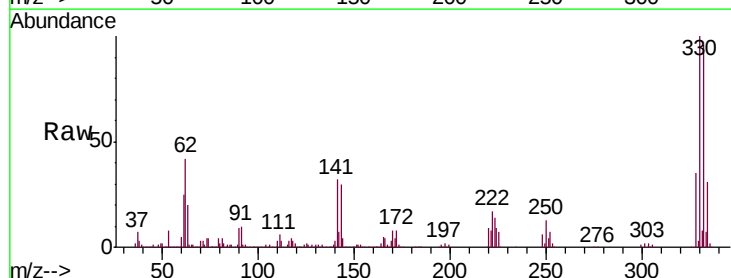


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

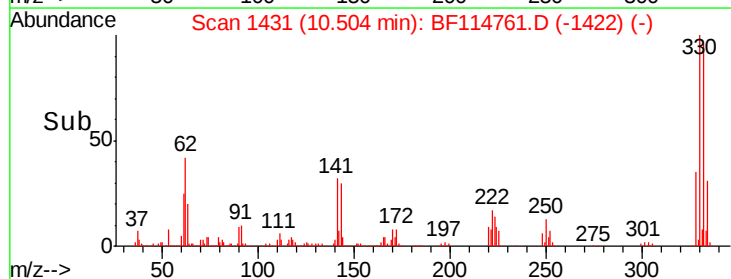
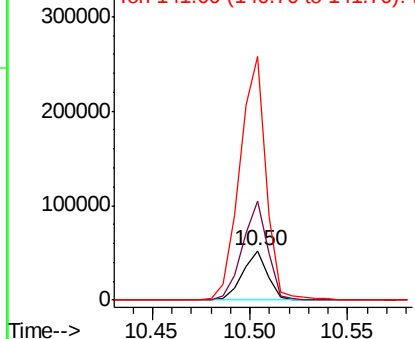


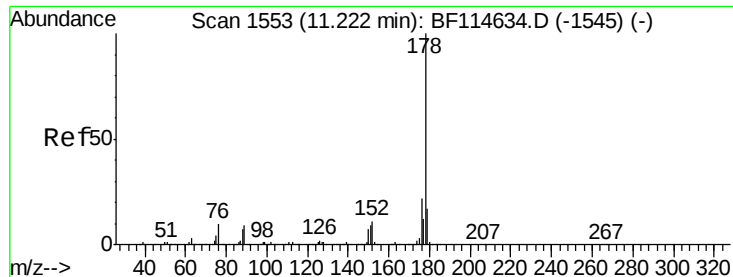
#67
4-Bromophenyl-phenylether
Concen: 4.053 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.25 min
Lab File: BF114761.D
Acq: 1 Jun 2019 17:05

Tgt Ion:248 Resp: 46212
Ion Ratio Lower Upper
248 100
250 201.4 78.0 117.0#
141 496.0 53.8 80.8#



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

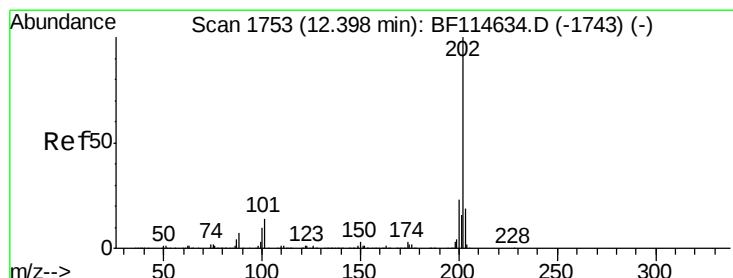
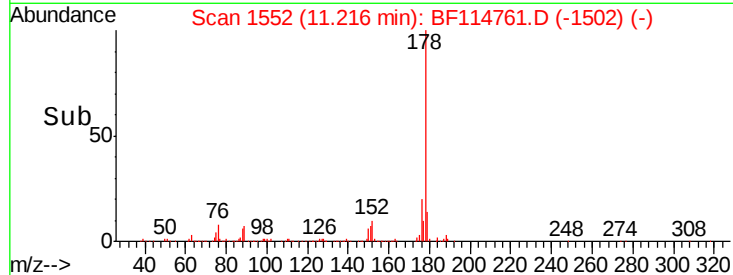
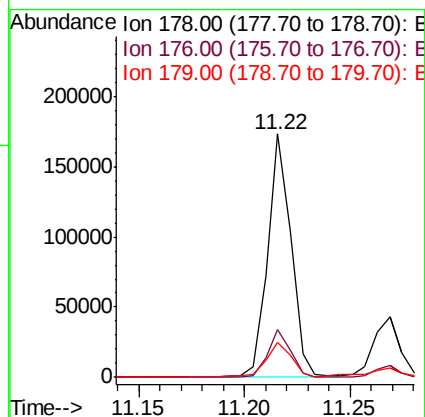
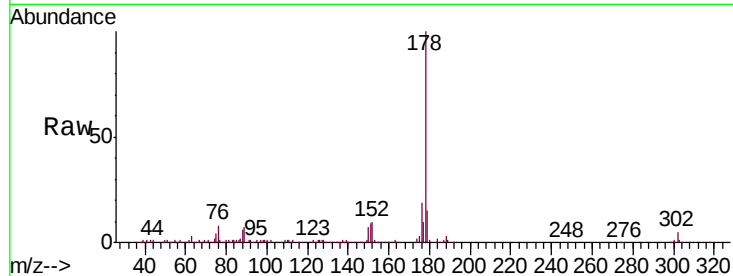




#71
Phenanthrene
Concen: 2.478 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.01 min
Lab File: BF114761.D
Acq: 1 Jun 2019 17:05

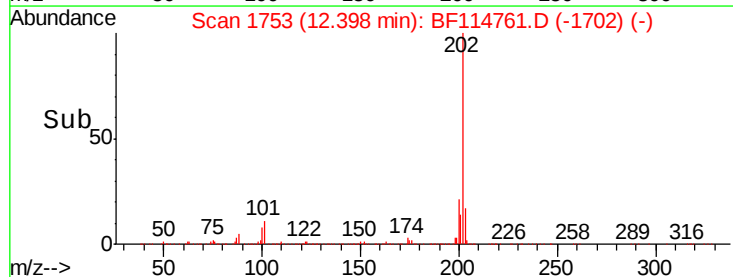
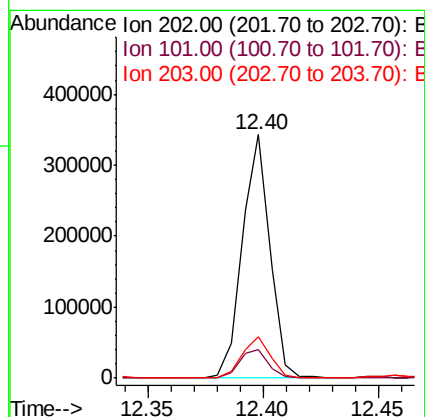
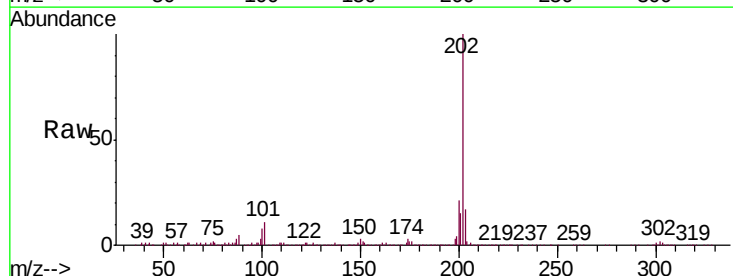
Instrument :
BNA_F
ClientSampleId :
FK-EF-01-010-ABCD

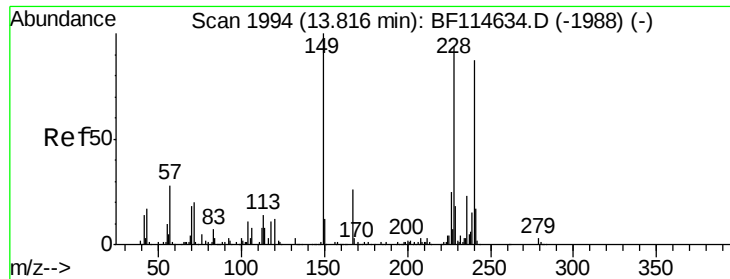
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	17.2	25.8
179	14.6	13.9	20.9



#75
Fluoranthene
Concen: 5.077 ng
RT: 12.40 min Scan# 1753
Delta R.T. 0.00 min
Lab File: BF114761.D
Acq: 1 Jun 2019 17:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	33.9
203	17.0	0.0	39.1

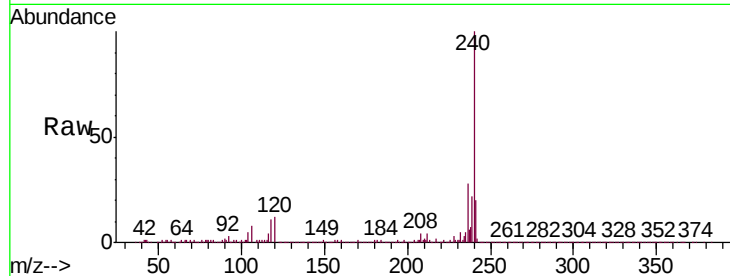




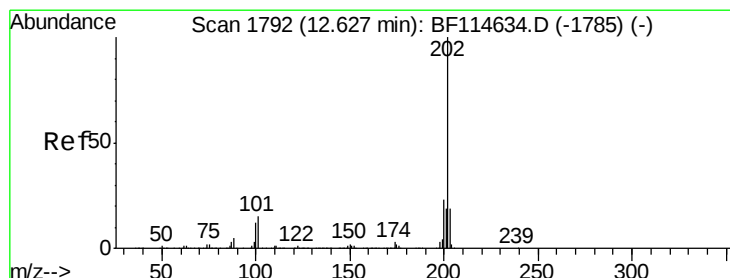
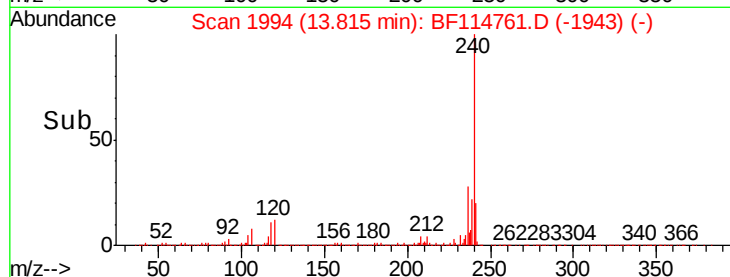
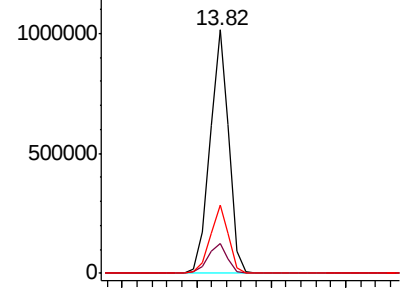
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.00 min
Lab File: BF114761.D
Acq: 1 Jun 2019 17:05

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-010-ABCD

Tgt Ion:240 Resp: 898940
Ion Ratio Lower Upper
240 100
120 12.0 11.2 16.8
236 27.9 21.2 31.8

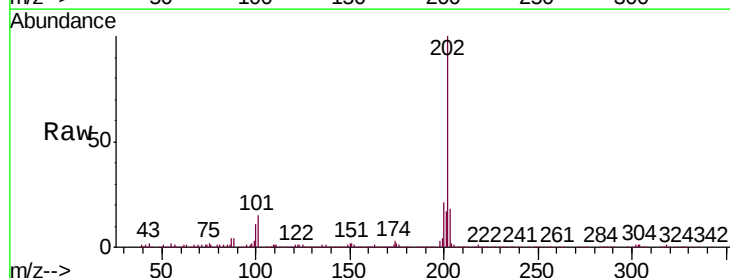


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

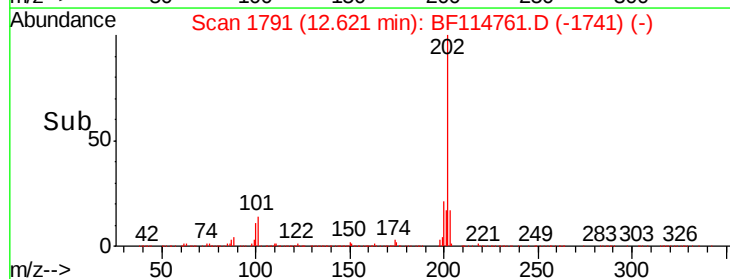
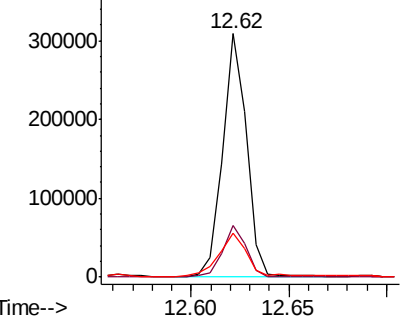


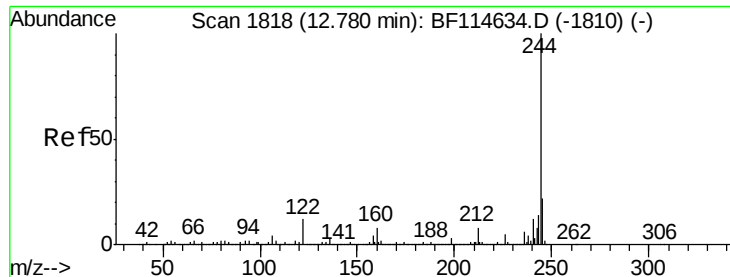
#78
Pyrene
Concen: 3.414 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF114761.D
Acq: 1 Jun 2019 17:05

Tgt Ion:202 Resp: 259582
Ion Ratio Lower Upper
202 100
200 21.0 18.6 28.0
203 17.9 15.4 23.2



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: 62.702 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF114761.D

Acq: 1 Jun 2019 17:05

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-010-ABCD

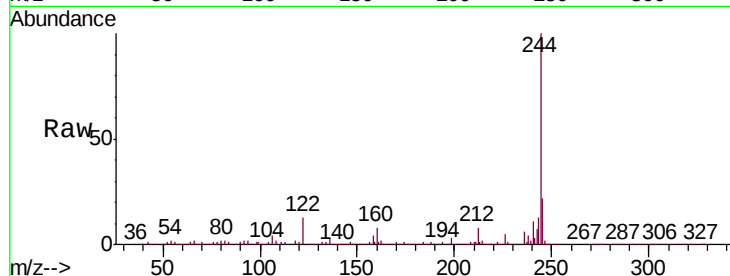
Tgt Ion:244 Resp: 2997906

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

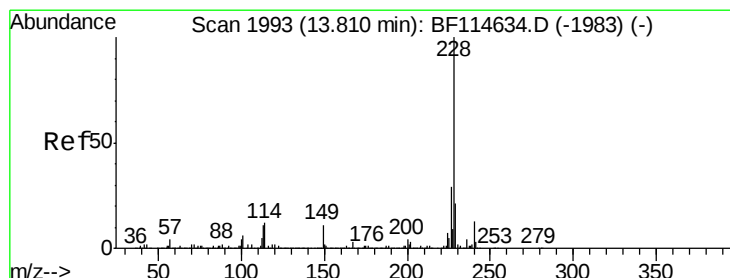
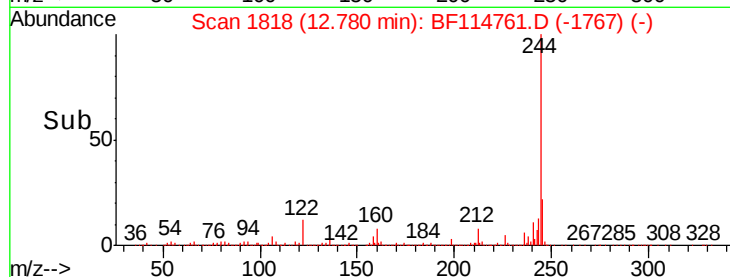
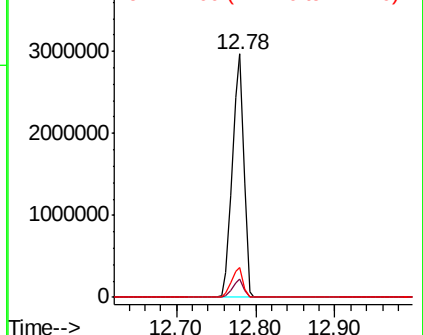
122 12.5 9.8 14.8



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: 2.040 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF114761.D

Acq: 1 Jun 2019 17:05

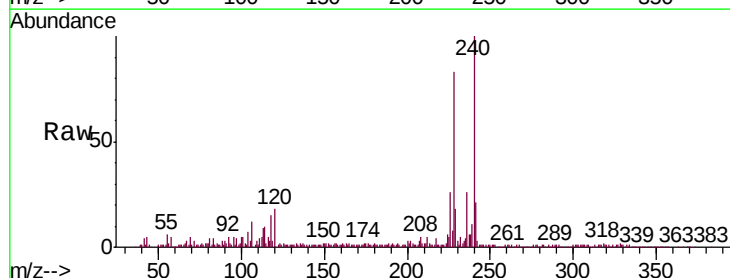
Tgt Ion:228 Resp: 140897

Ion Ratio Lower Upper

228 100

226 31.4 23.0 34.6

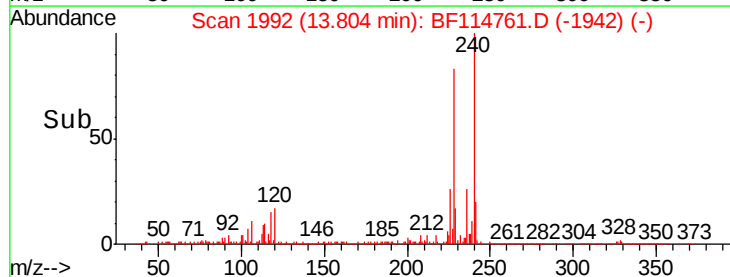
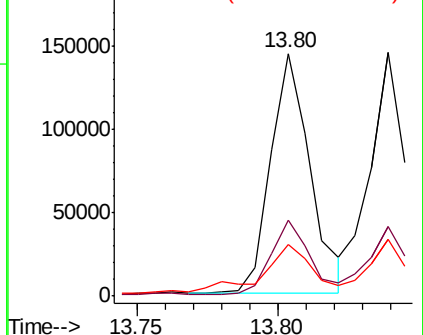
229 21.2 17.0 25.4

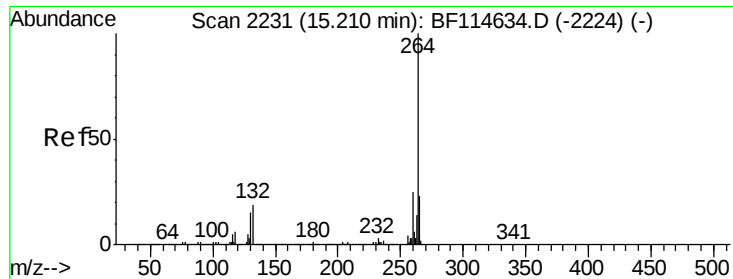


Abundance Ion 228.00 (227.70 to 228.70): E

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: 15.20 min Scan# 2230

Delta R.T. -0.01 min

Lab File: BF114761.D

Acq: 1 Jun 2019 17:05

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-010-ABCD

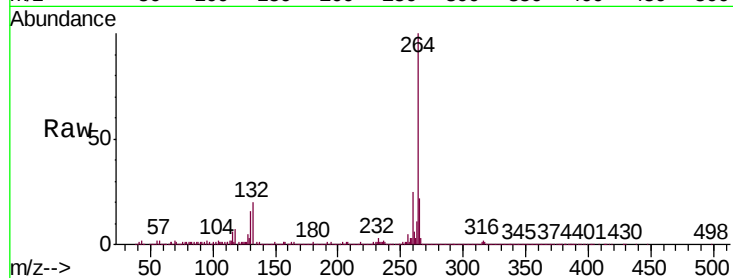
Tgt Ion:264 Resp: 867595

Ion Ratio Lower Upper

264 100

260 24.7 19.7 29.5

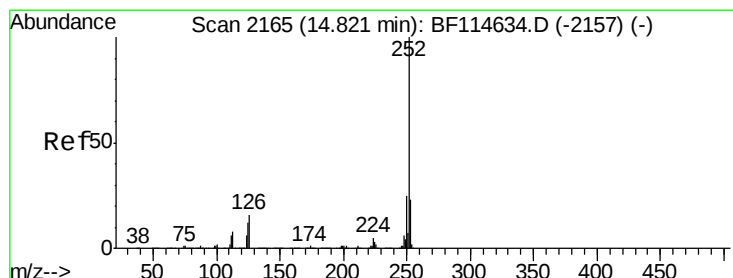
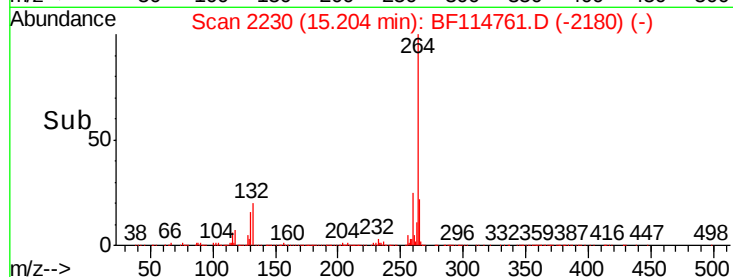
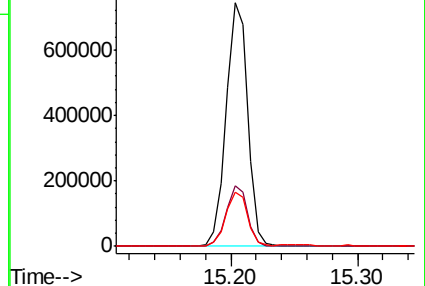
265 22.5 18.1 27.1



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: 3.579 ng

RT: 14.82 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BF114761.D

Acq: 1 Jun 2019 17:05

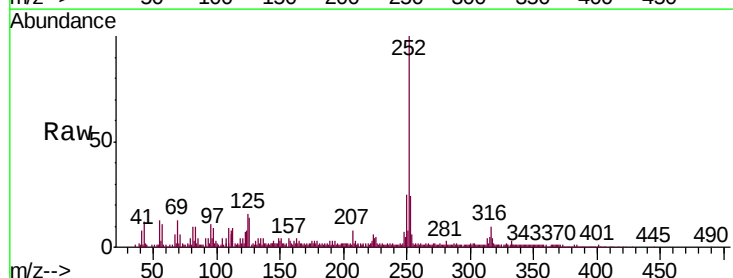
Tgt Ion:252 Resp: 195590

Ion Ratio Lower Upper

252 100

253 23.6 18.7 28.1

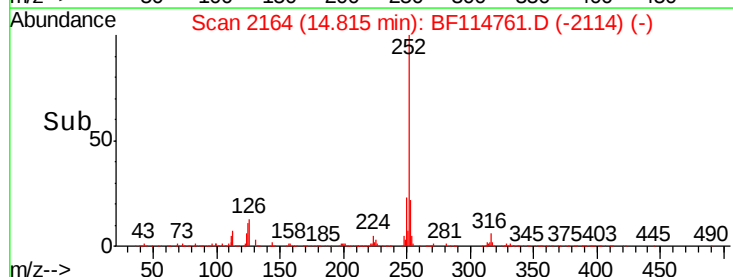
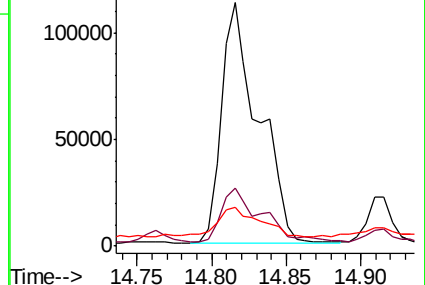
125 16.0 9.4 14.2#

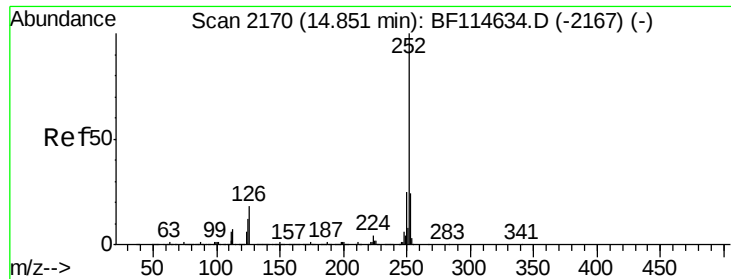


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 4.118 ng

RT: 14.82 min Scan# 2164

Delta R.T. -0.04 min

Lab File: BF114761.D

Acq: 1 Jun 2019 17:05

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-010-ABCD

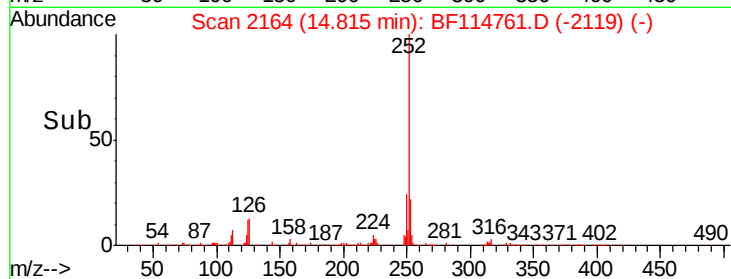
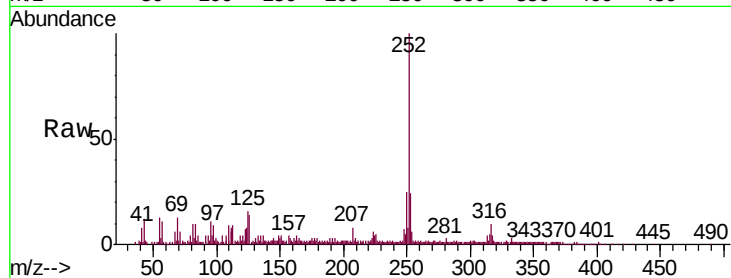
Tgt Ion:252 Resp: 195590

Ion Ratio Lower Upper

252 100

253 23.6 18.9 28.3

125 16.0 9.5 14.3#



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

