

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082417\
 Data File : BF098019.D
 Acq On : 24 Aug 2017 23:19
 Operator : SJ/JU
 Sample : I4920-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-002-A

Quant Time: Aug 25 01:04:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

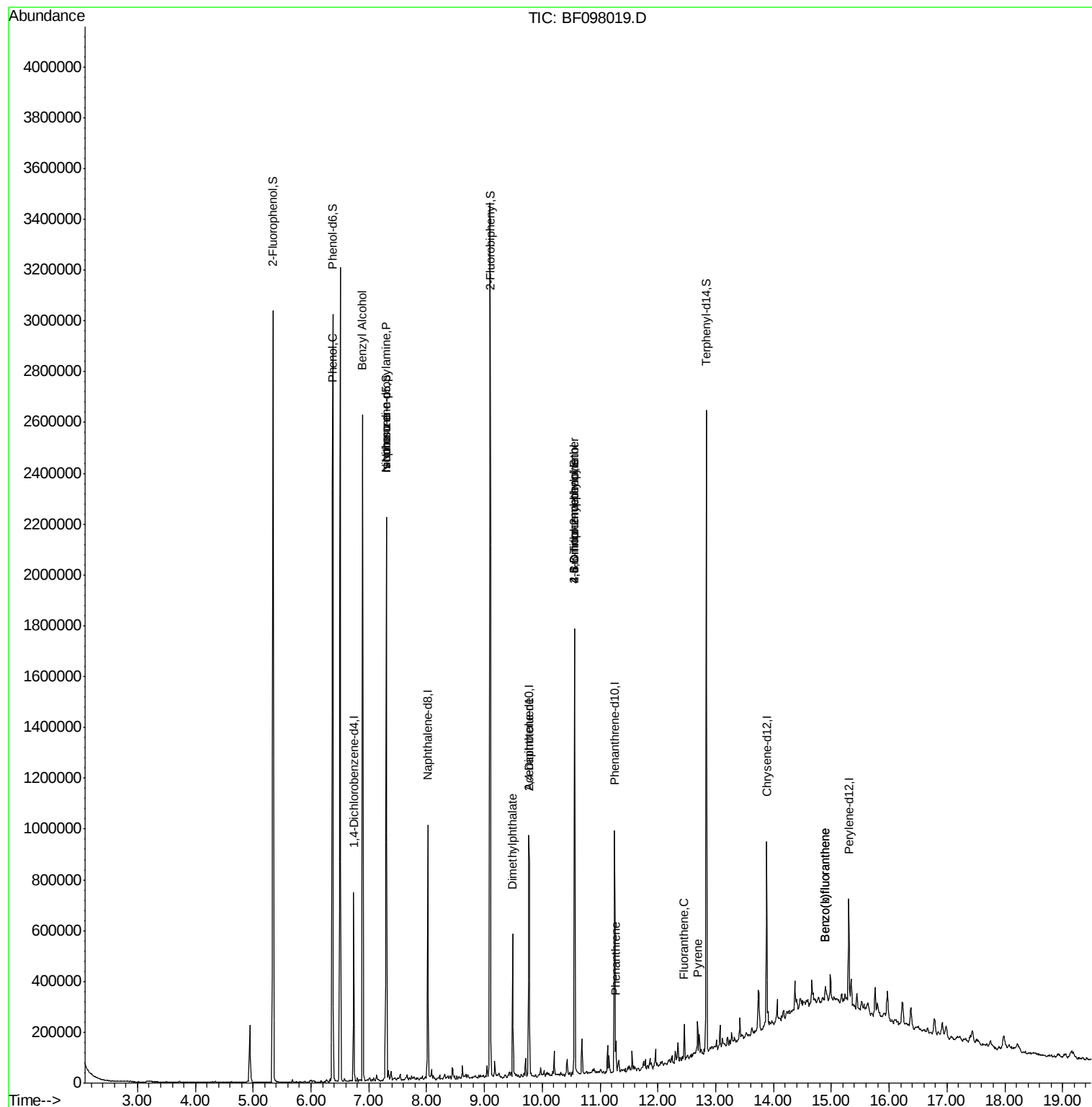
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	106801	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	415502	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	175992	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	301076	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	240606	20.00	ng	-0.02
86) Perylene-d12	15.30	264	197133	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1015449	144.62	ng	0.00
7) Phenol-d6	6.37	99	1386159	145.30	ng	-0.01
23) Nitrobenzene-d5	7.30	82	832115	108.79	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	203073	132.99	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1090826	91.06	ng	-0.01
78) Terphenyl-d14	12.84	244	771377	66.86	ng	-0.01
Target Compounds						
10) Phenol	6.39	94	32923	2.95	ng	Qvalue 94
15) Benzyl Alcohol	6.89	79	14491	2.03	ng	# 39
19) n-Nitroso-di-n-propylamine	7.30	70	115494	17.68	ng	# 73
25) Isophorone	7.30	82	816404	51.33	ng	# 67
49) Dimethylphthalate	9.49	163	183589	14.27	ng	98
56) 2,4-Dinitrotoluene	9.77	165	22554	7.00	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.56	198	358	8.53	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	13696	4.38	ng	# 1
70) Phenanthrene	11.27	178	37350	2.33	ng	98
74) Fluoranthene	12.46	202	52184	3.12	ng	98
77) Pyrene	12.69	202	49021	2.49	ng	96
87) Benzo(b)fluoranthene	14.90	252	34256	2.76	ng	# 77
88) Benzo(k)fluoranthene	14.90	252	34256	2.93	ng	# 82

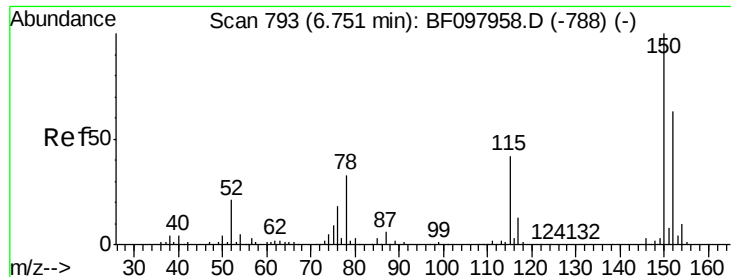
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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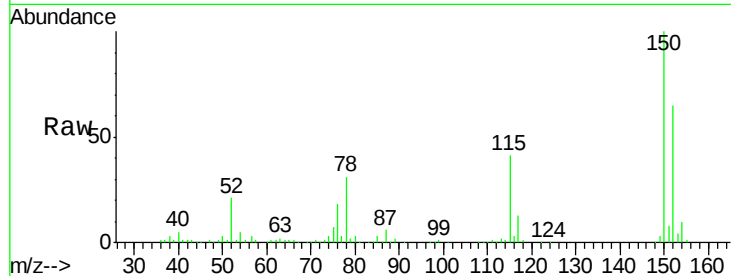


#1

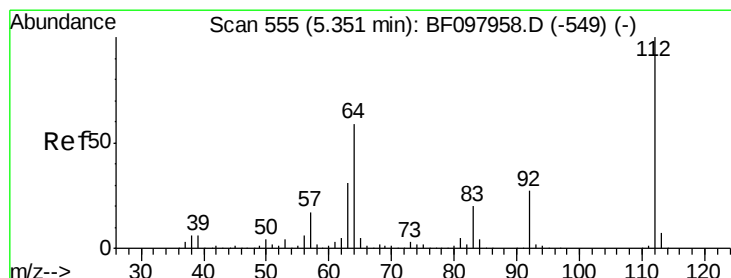
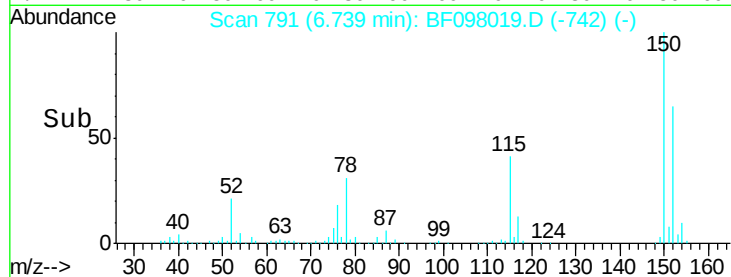
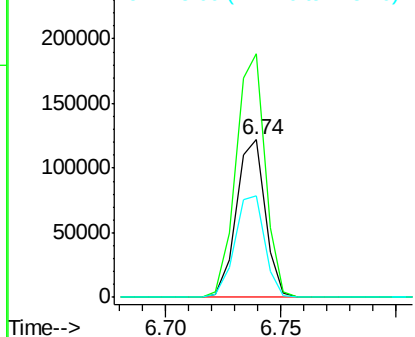
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098019.D
Acq: 24 Aug 2017 23:19

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-002-A

Tot Ion:152 Resp: 106801
Ion Ratio Lower Upper
152 100
150 154.7 126.2 189.2
115 64.1 52.2 78.2



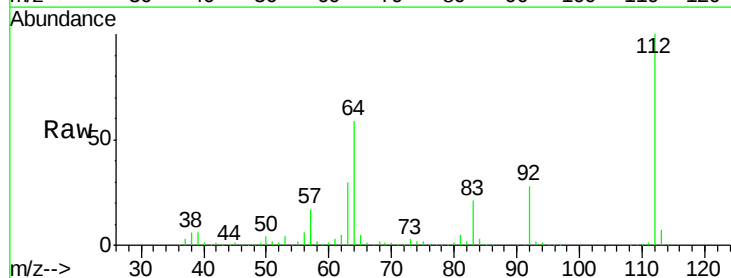
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



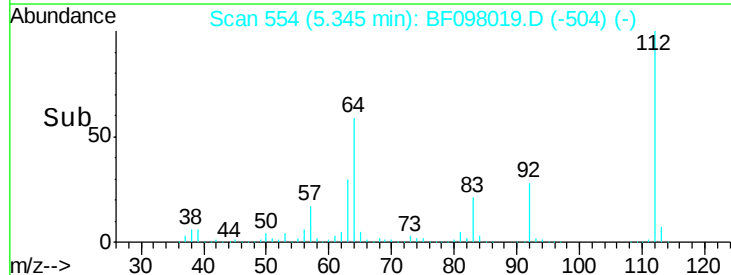
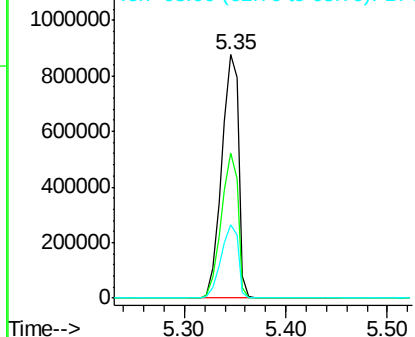
#5

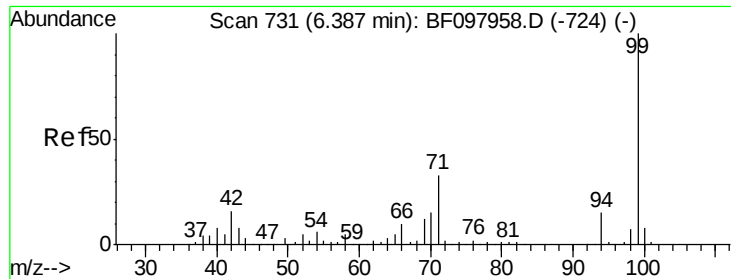
2-Fluorophenol
Concen: 144.62 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF098019.D
Acq: 24 Aug 2017 23:19

Tgt Ion:112 Resp: 1015449
Ion Ratio Lower Upper
112 100
64 59.4 46.0 69.0
63 30.1 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 145.30 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF098019.D

Acq: 24 Aug 2017 23:19

Instrument :

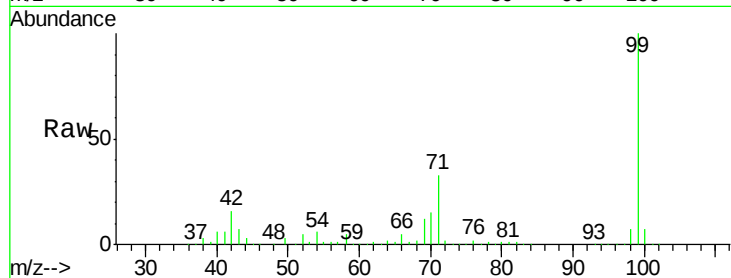
BNA_F

ClientSampleId :

FK-SF-03-002-A

Tot Ion: 99 Resp: 1386159

Ion	Ratio	Lower	Upper
99	100		
42	15.7	13.5	20.3
71	32.7	24.5	36.7

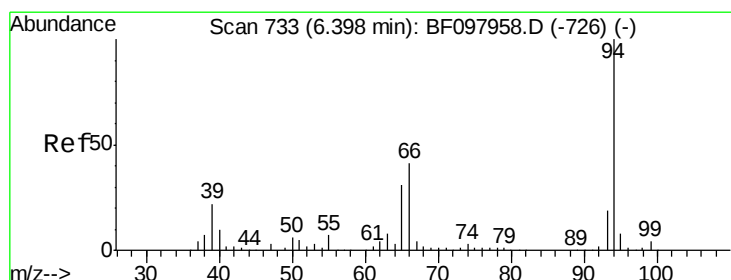
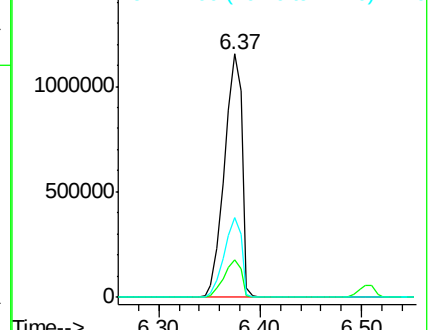
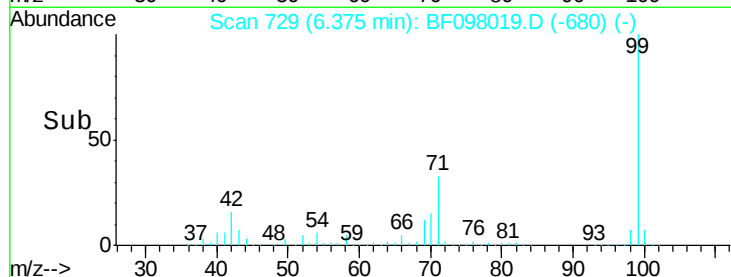


Abundance

Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.95 ng

RT: 6.39 min Scan# 731

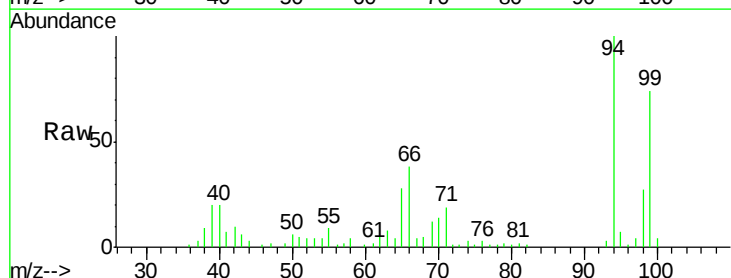
Delta R.T. -0.01 min

Lab File: BF098019.D

Acq: 24 Aug 2017 23:19

Tgt Ion: 94 Resp: 32923

Ion	Ratio	Lower	Upper
94	100		
65	28.3	9.9	49.9
66	37.5	23.1	63.1

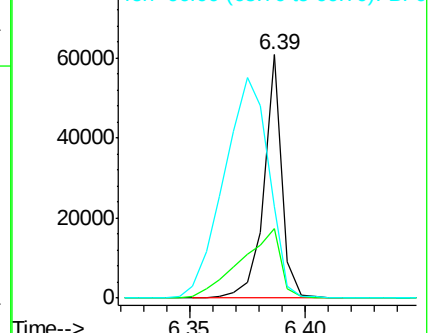
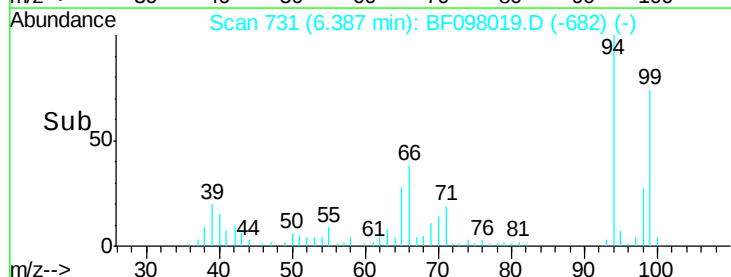


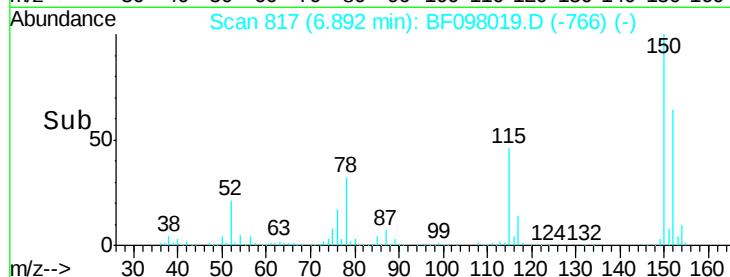
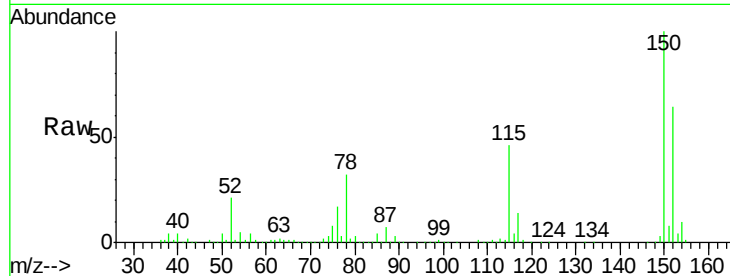
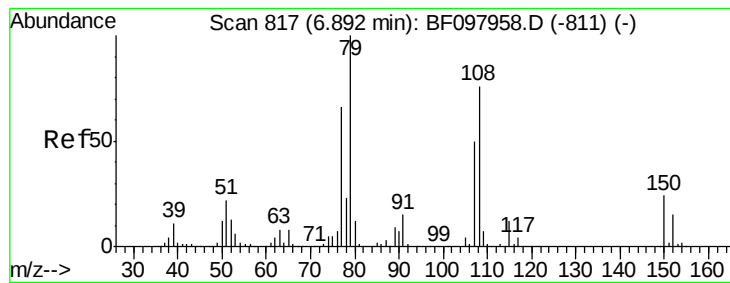
Abundance

Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.03 ng

RT: 6.89 min Scan# 817

Delta R.T. 0.00 min

Lab File: BF098019.D

Acq: 24 Aug 2017 23:19

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-002-A

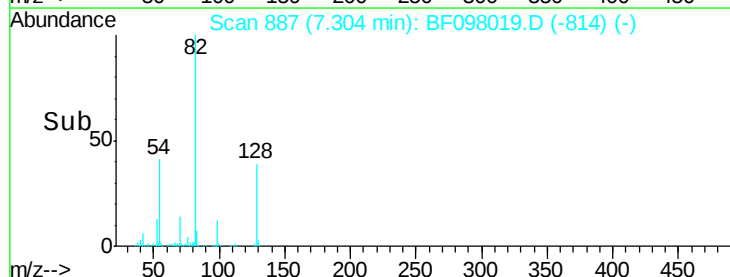
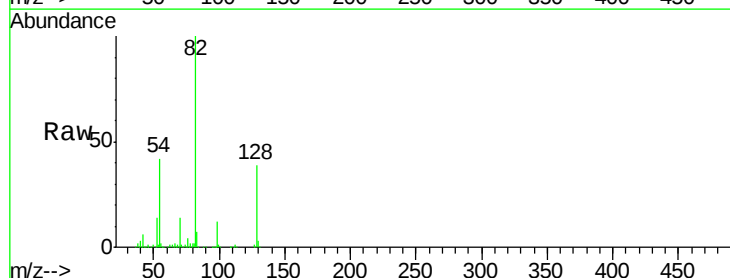
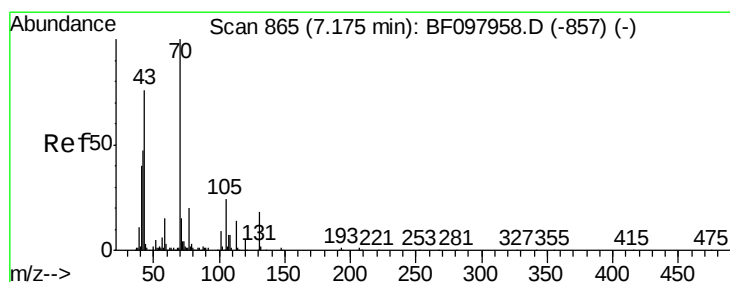
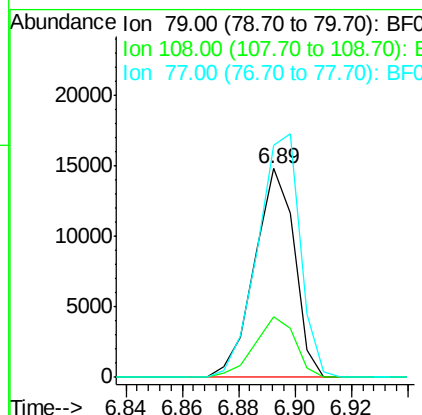
Tot Ion: 79 Resp: 14491

Ion Ratio Lower Upper

79 100

108 29.0 63.4 95.0#

77 111.6 49.2 73.8#



#19

n-Nitroso-di-n-propylamine

Concen: 17.68 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.13 min

Lab File: BF098019.D

Acq: 24 Aug 2017 23:19

Tgt Ion: 70 Resp: 115494

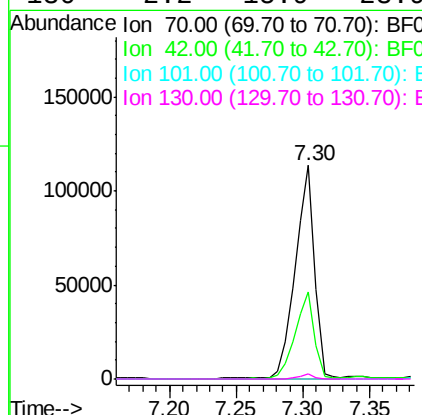
Ion Ratio Lower Upper

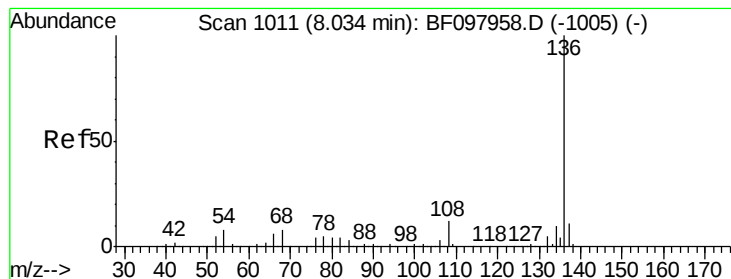
70 100

42 41.0 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF098019.D

Acq: 24 Aug 2017 23:19

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-002-A

Tot Ion:136 Resp: 415502

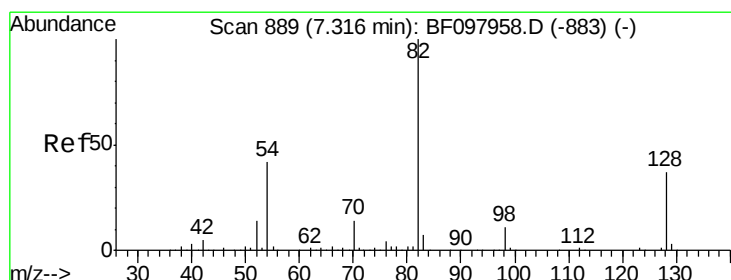
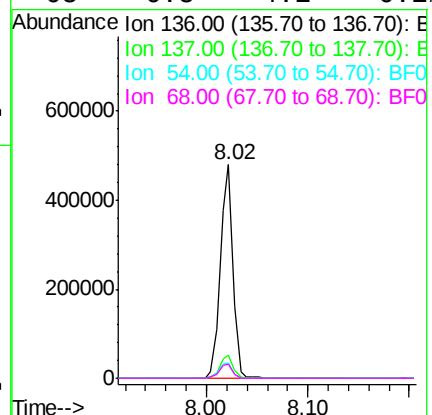
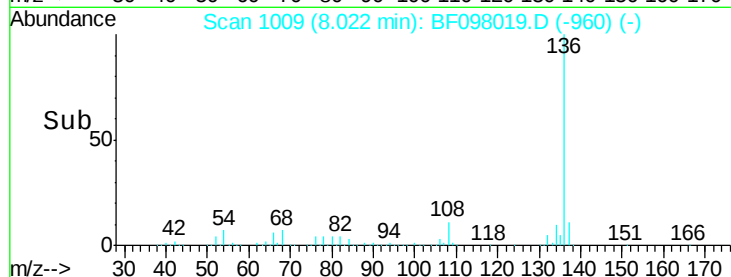
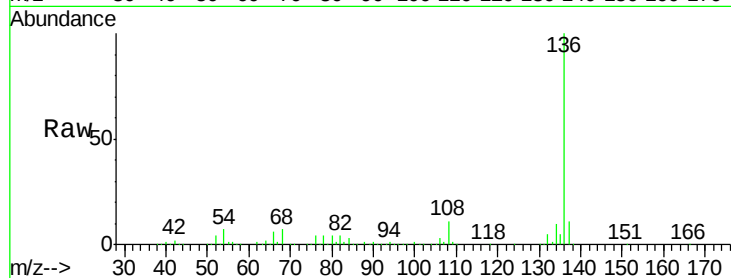
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.2 4.9 7.3

68 6.8 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 108.79 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.02 min

Lab File: BF098019.D

Acq: 24 Aug 2017 23:19

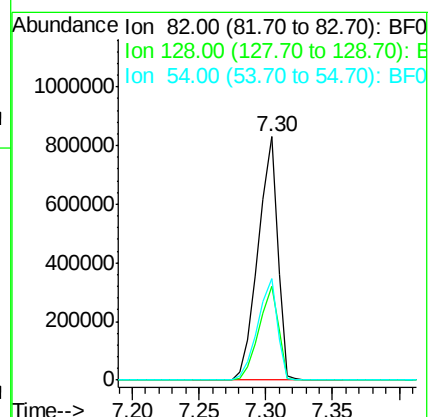
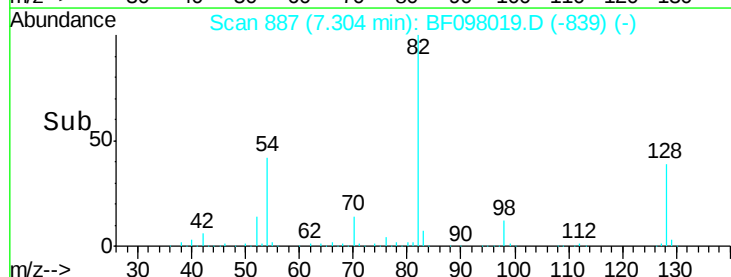
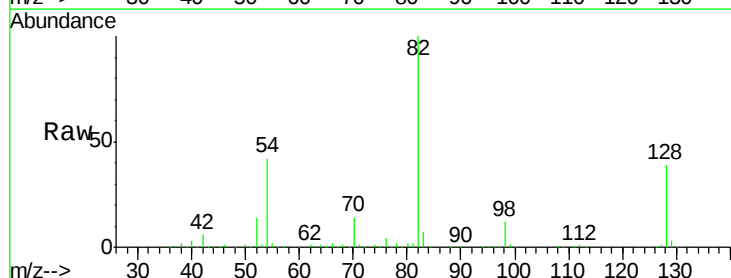
Tgt Ion: 82 Resp: 832115

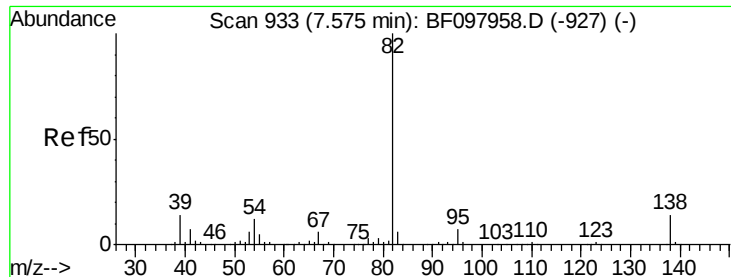
Ion Ratio Lower Upper

82 100

128 38.7 34.0 51.0

54 41.6 42.2 63.2#





#25

Isophorone

Concen: 51.33 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.28 min

Lab File: BF098019.D

Acq: 24 Aug 2017 23:19

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FK-SF-03-002-A

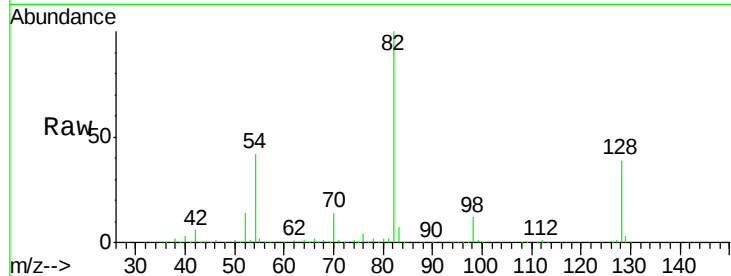
Tot Ion: 82 Resp: 816404

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

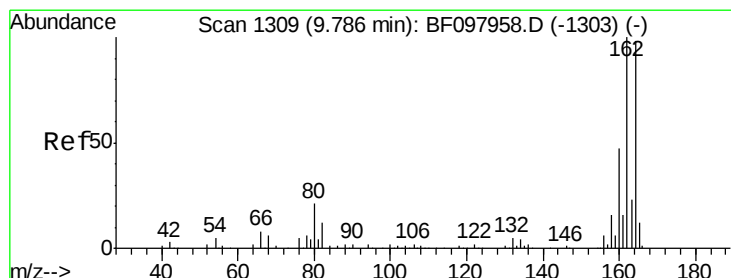
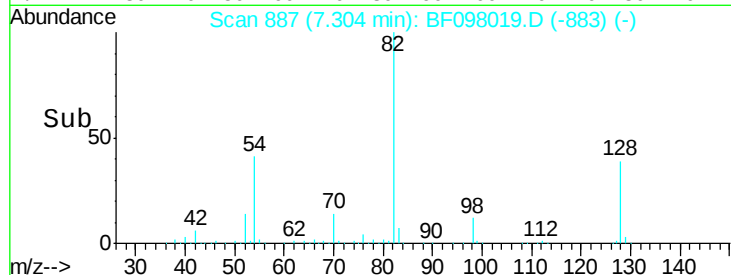
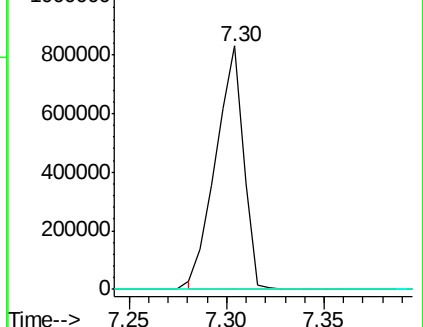
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BF098019.D

Acq: 24 Aug 2017 23:19

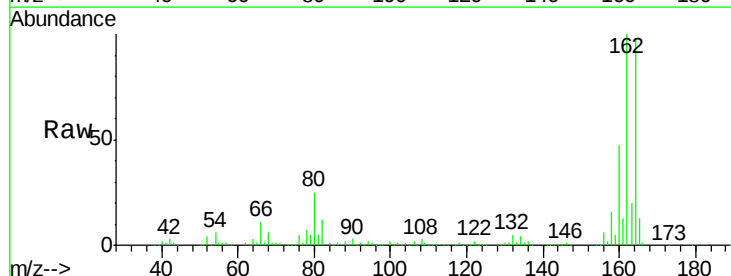
Tgt Ion:164 Resp: 175992

Ion Ratio Lower Upper

164 100

162 102.1 82.6 123.8

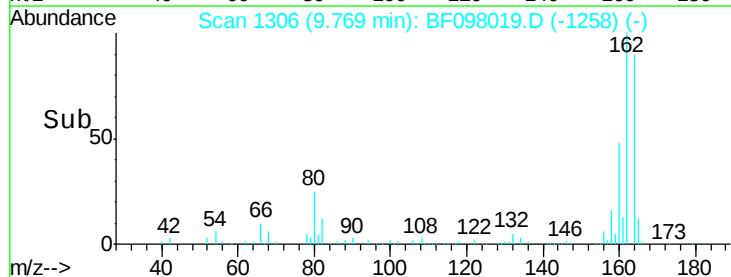
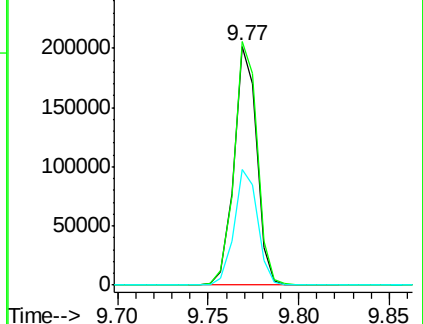
160 48.3 36.2 54.2

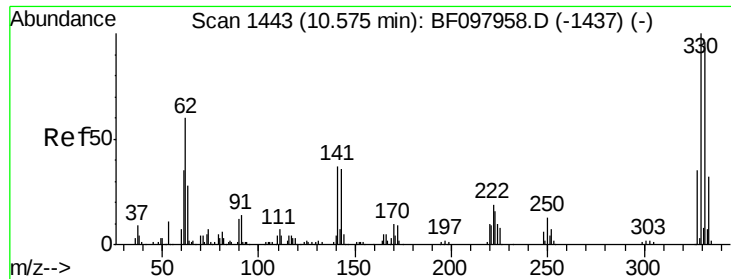


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

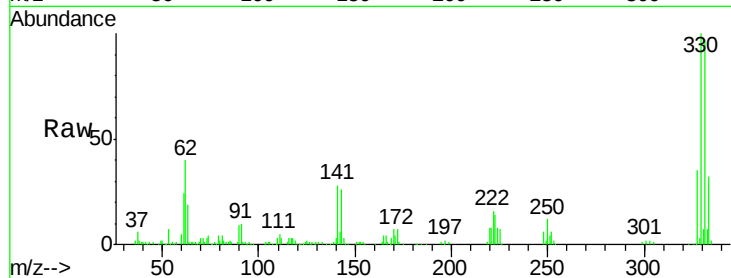




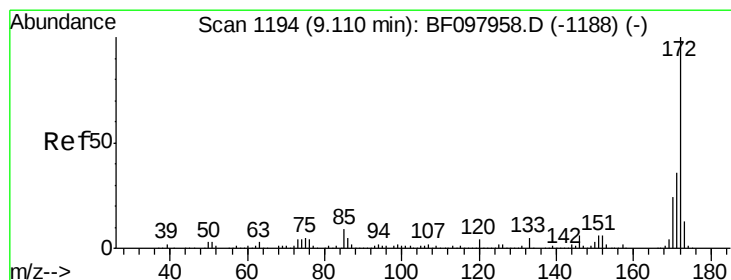
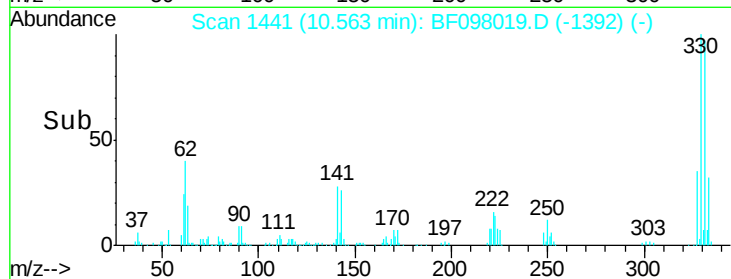
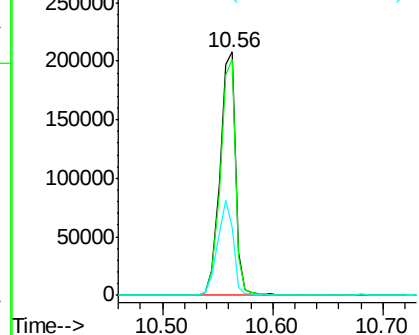
#41
 2,4,6-Tribromophenol
 Concen: 132.99 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098019.D
 Acq: 24 Aug 2017 23:19

Instrument :
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 FK-SF-03-002-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.6	115.0
141	39.5	31.4	47.2

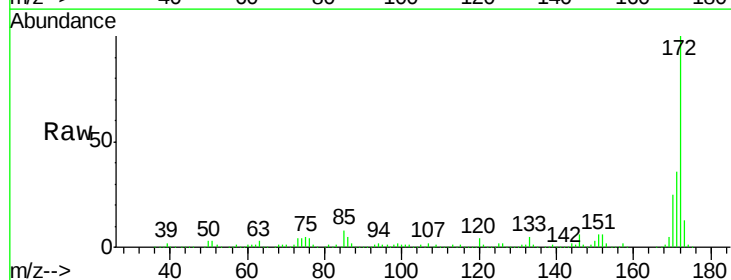


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

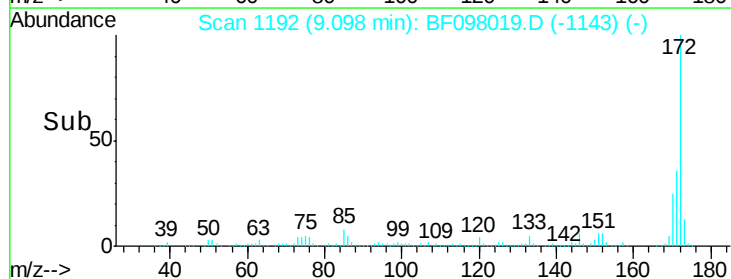
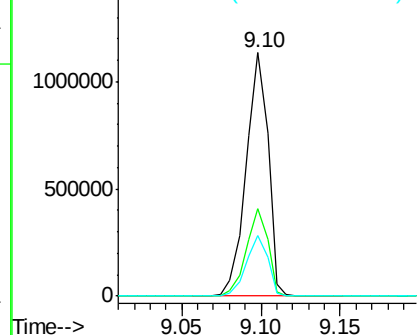


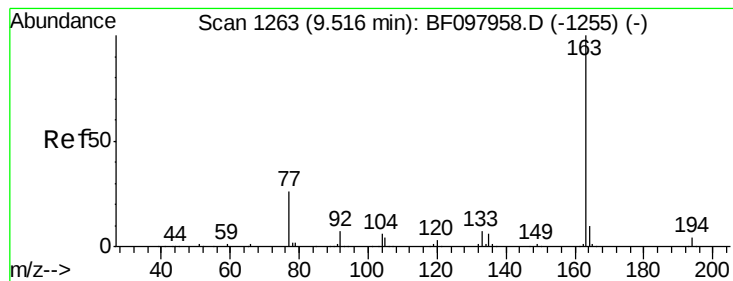
#44
 2-Fluorobiphenyl
 Concen: 91.06 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF098019.D
 Acq: 24 Aug 2017 23:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	25.0	19.8	29.8



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





#49

Dimethylphthalate

Concen: 14.27 ng

RT: 9.49 min Scan# 1259

Delta R.T. -0.02 min

Lab File: BF098019.D

Acq: 24 Aug 2017 23:19

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-002-A

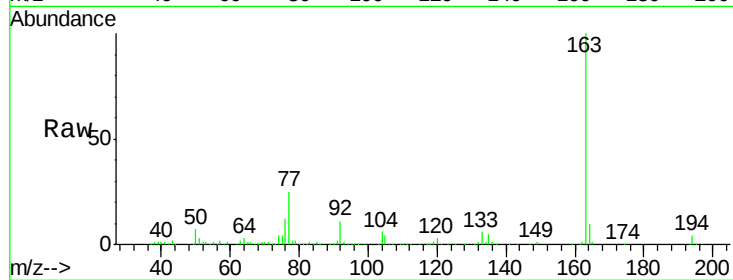
Tot Ion:163 Resp: 183589

Ion Ratio Lower Upper

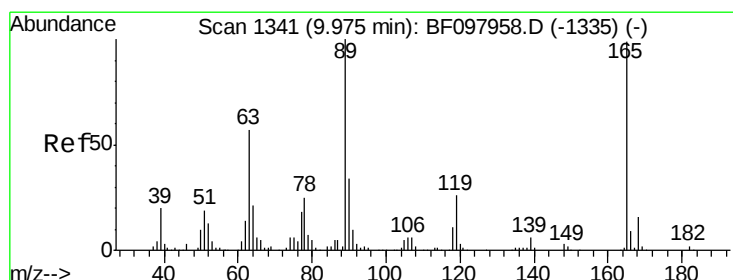
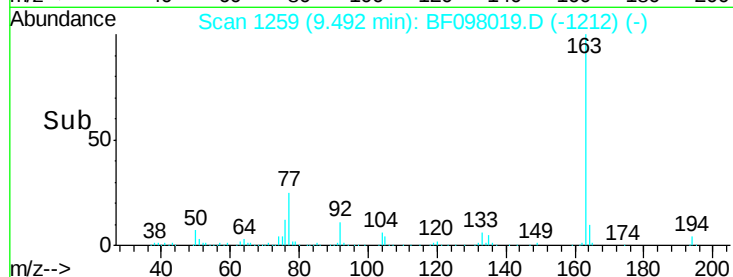
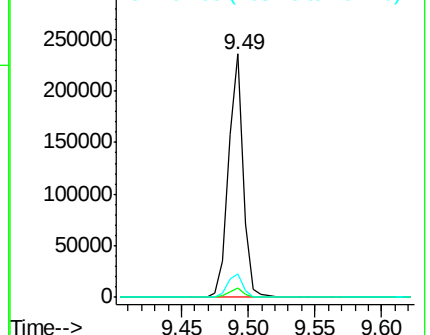
163 100

194 3.6 2.6 4.0

164 9.7 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



#56

2,4-Dinitrotoluene

Concen: 7.00 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.21 min

Lab File: BF098019.D

Acq: 24 Aug 2017 23:19

Tgt Ion:165 Resp: 22554

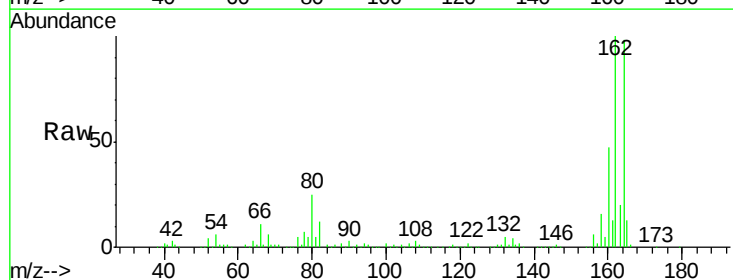
Ion Ratio Lower Upper

165 100

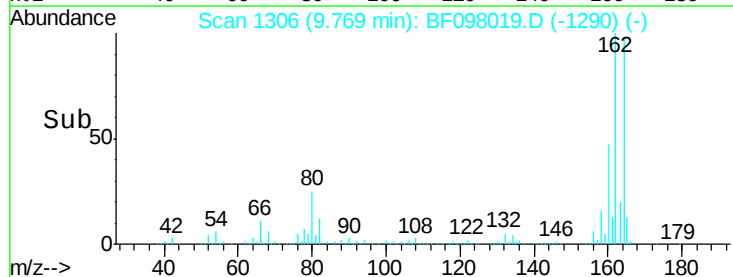
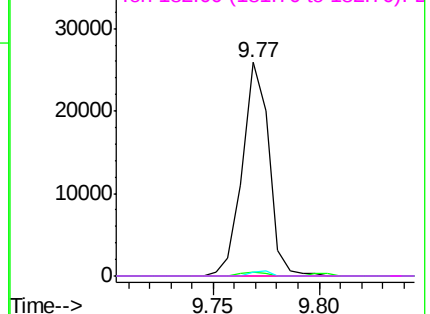
63 1.9 25.4 38.0#

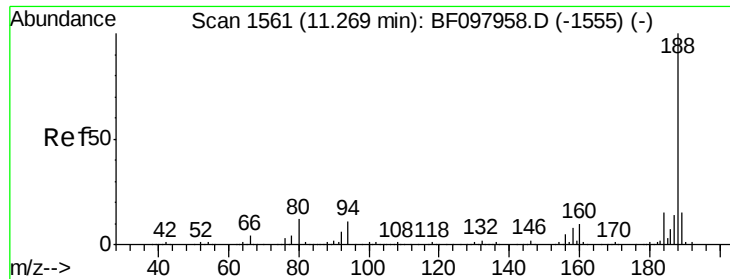
89 1.8 46.4 69.6#

182 0.0 1.8 2.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF098019.D

Acq: 24 Aug 2017 23:19

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-002-A

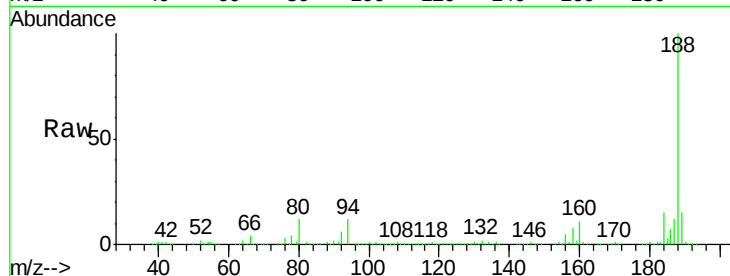
Tot Ion:188 Resp: 301076

Ion Ratio Lower Upper

188 100

94 11.7 9.4 14.2

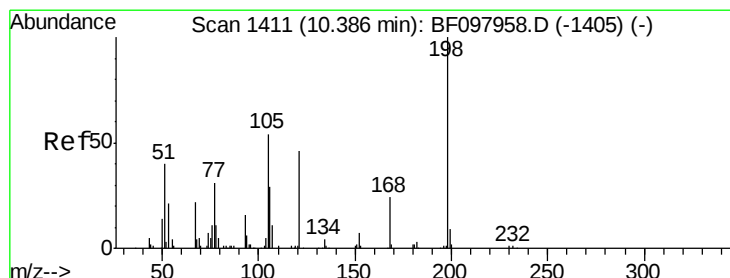
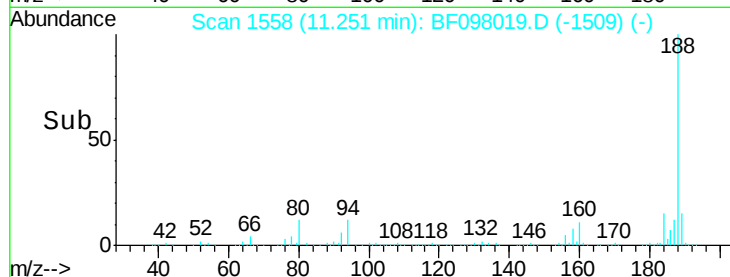
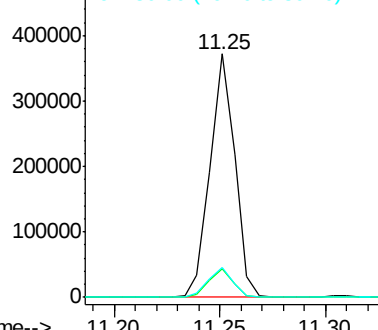
80 12.1 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 8.53 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.18 min

Lab File: BF098019.D

Acq: 24 Aug 2017 23:19

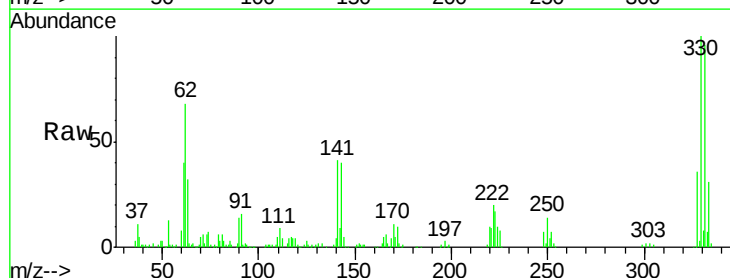
Tgt Ion:198 Resp: 358

Ion Ratio Lower Upper

198 100

51 156.8 53.2 93.2#

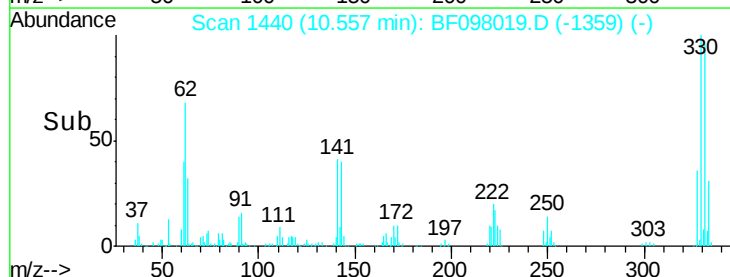
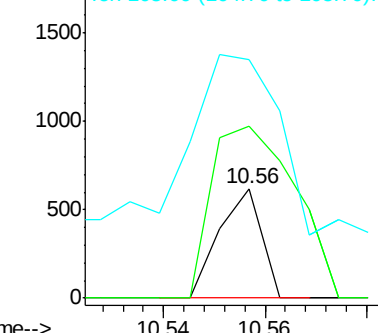
105 217.7 45.8 85.8#

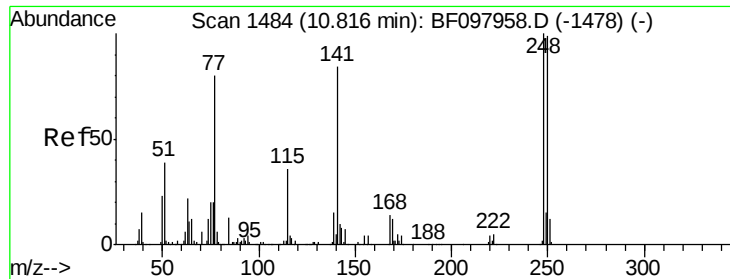


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

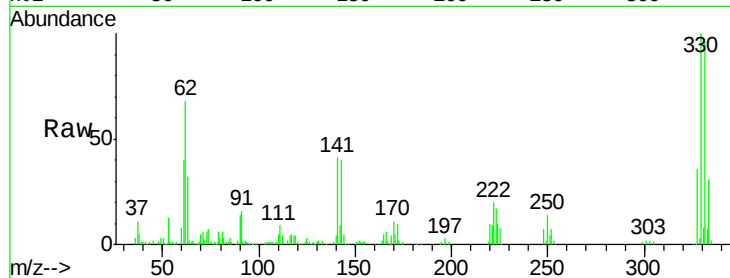




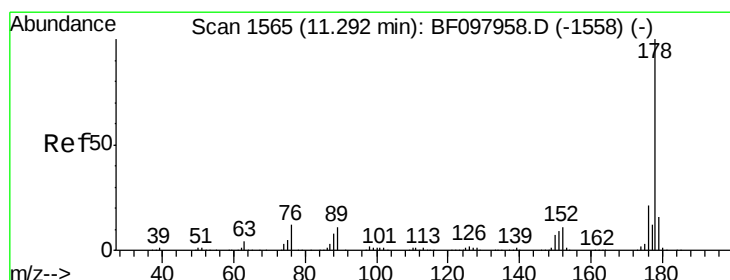
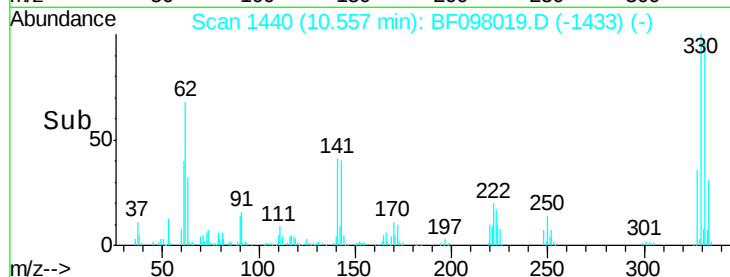
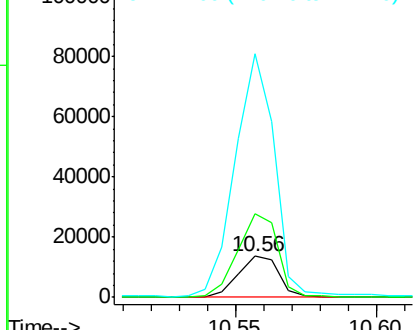
#66
4-Bromophenyl-phenylether
Concen: 4.38 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.26 min
Lab File: BF098019.D
Acq: 24 Aug 2017 23:19

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-002-A

Tot Ion:248 Resp: 13696
Ion Ratio Lower Upper
248 100
250 202.9 76.8 115.2#
141 589.6 68.6 103.0#

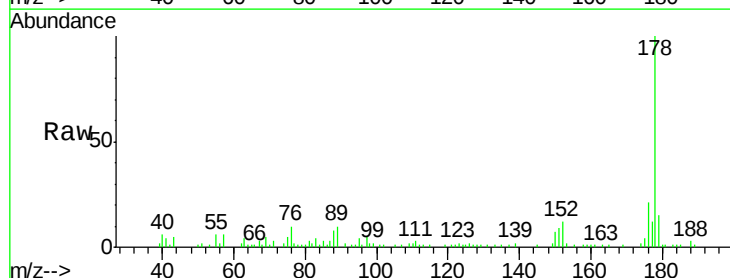


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

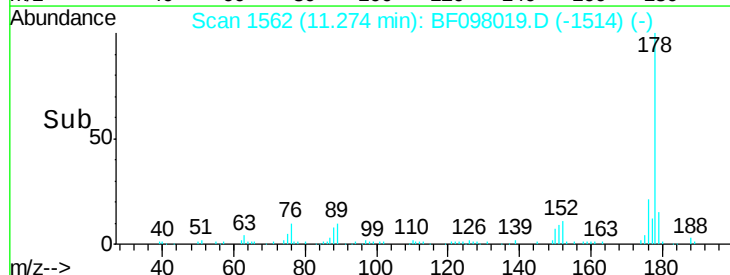
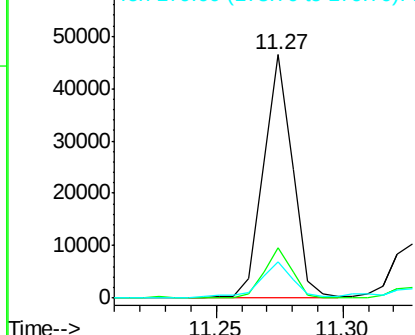


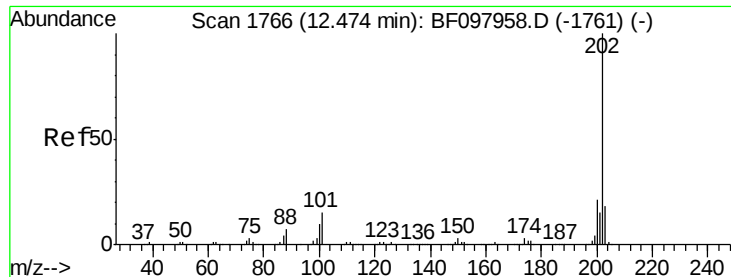
#70
Phenanthrene
Concen: 2.33 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF098019.D
Acq: 24 Aug 2017 23:19

Tgt Ion:178 Resp: 37350
Ion Ratio Lower Upper
178 100
176 20.7 16.2 24.4
179 14.8 12.6 19.0



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





#74

Fluoranthene

Concen: 3.12 ng

RT: 12.46 min Scan# 1763

Delta R.T. -0.02 min

Lab File: BF098019.D

Acq: 24 Aug 2017 23:19

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-002-A

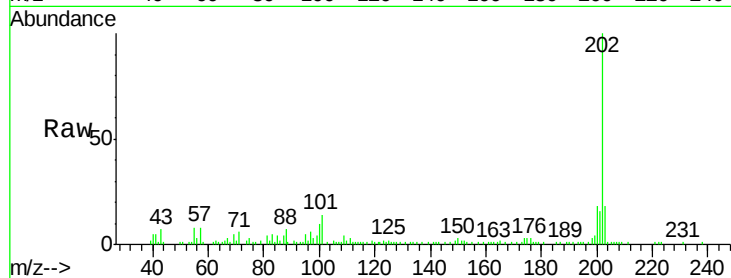
Tot Ion:202 Resp: 52184

Ion Ratio Lower Upper

202 100

101 14.1 0.0 33.2

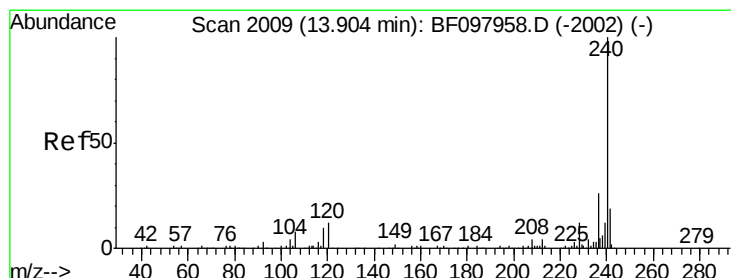
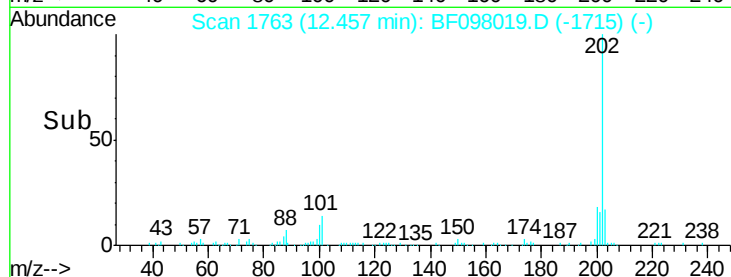
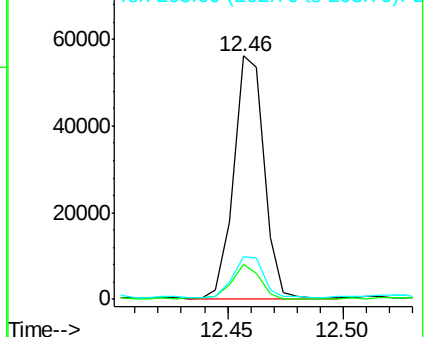
203 17.5 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF098019.D

Acq: 24 Aug 2017 23:19

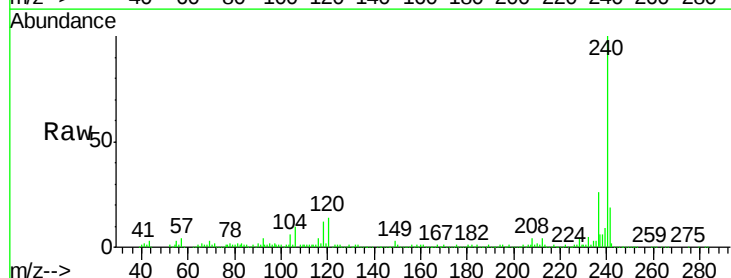
Tgt Ion:240 Resp: 240606

Ion Ratio Lower Upper

240 100

120 14.0 5.8 8.8#

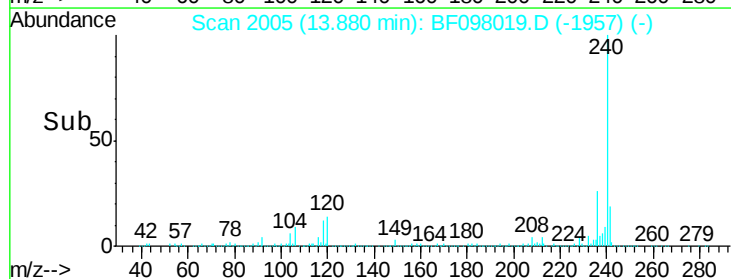
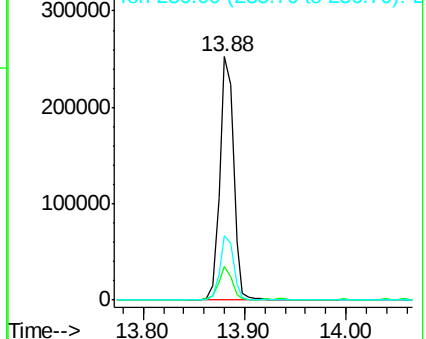
236 26.3 20.5 30.7

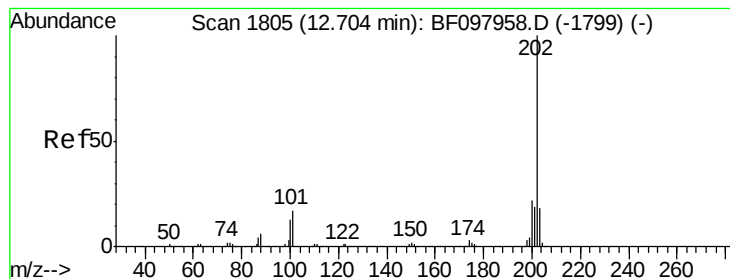


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.49 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.02 min

Lab File: BF098019.D

Acq: 24 Aug 2017 23:19

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-002-A

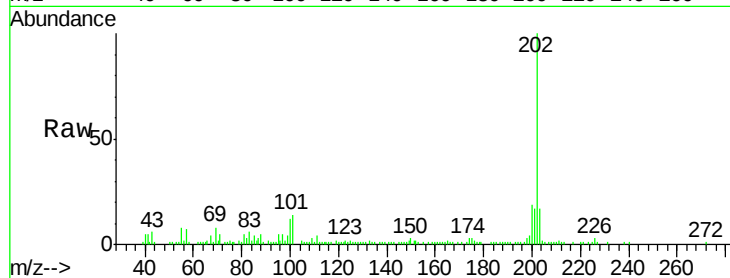
Tot Ion:202 Resp: 49021

Ion Ratio Lower Upper

202 100

200 19.4 17.6 26.4

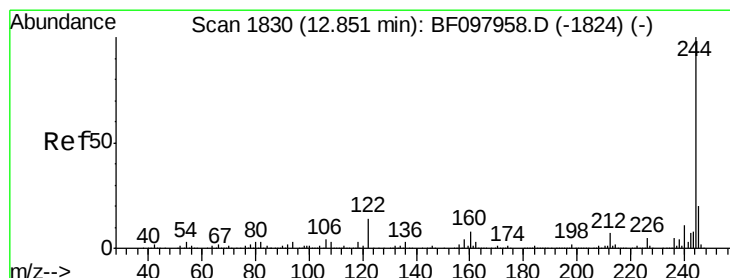
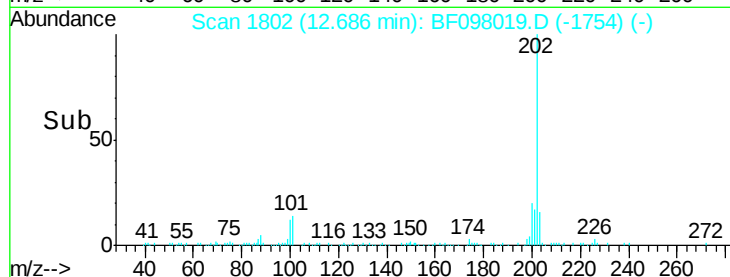
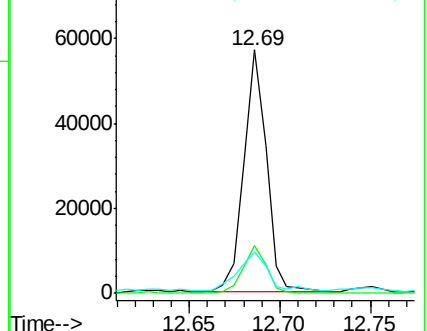
203 17.0 14.4 21.6



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



#78

Terphenyl-d14

Concen: 66.86 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF098019.D

Acq: 24 Aug 2017 23:19

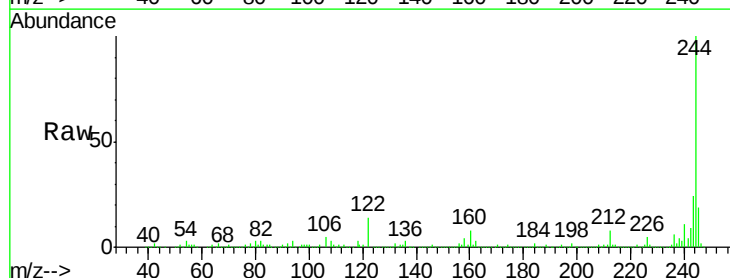
Tgt Ion:244 Resp: 771377

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

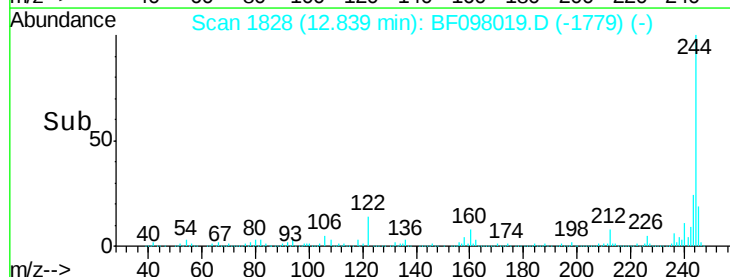
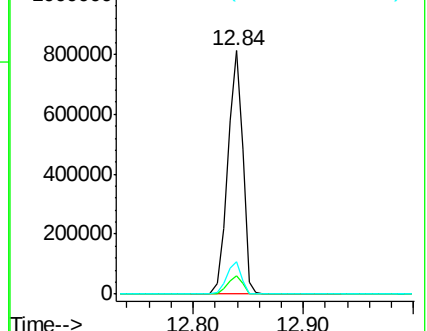
122 13.6 10.3 15.5

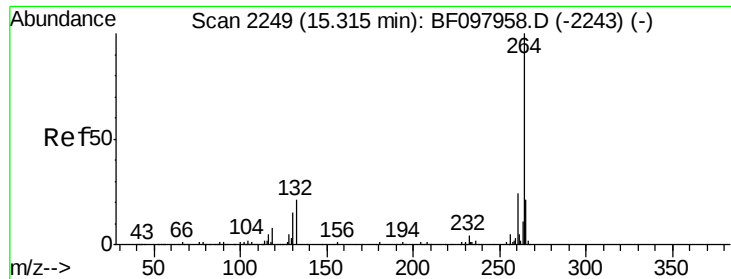


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

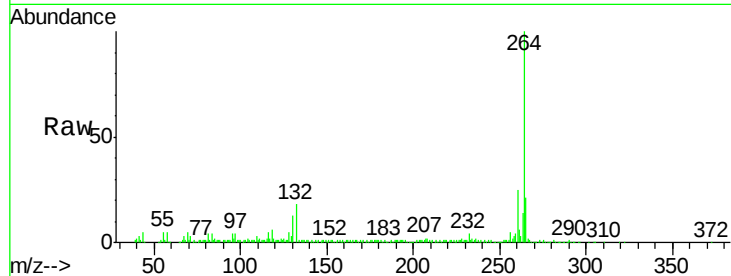




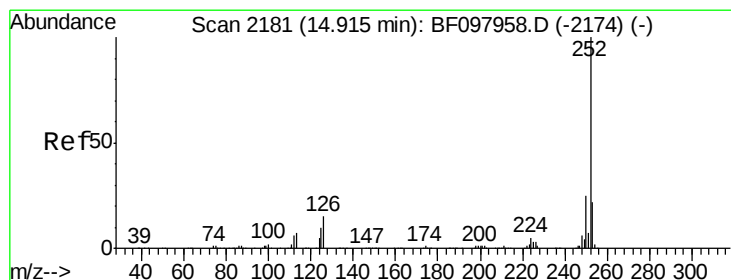
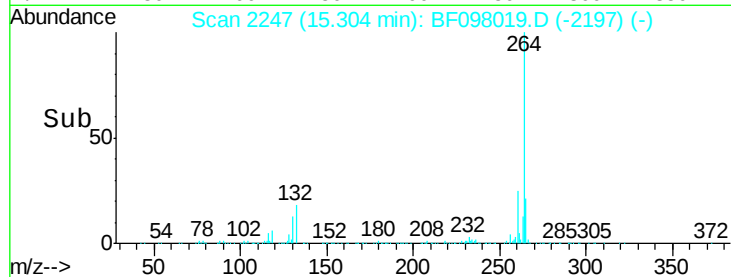
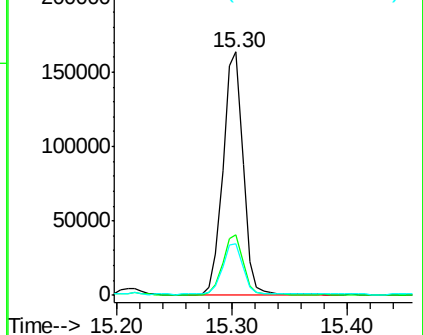
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF098019.D
Acq: 24 Aug 2017 23:19

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-002-A

Tot Ion:264 Resp: 197133
Ion Ratio Lower Upper
264 100
260 24.8 19.5 29.3
265 21.4 17.2 25.8

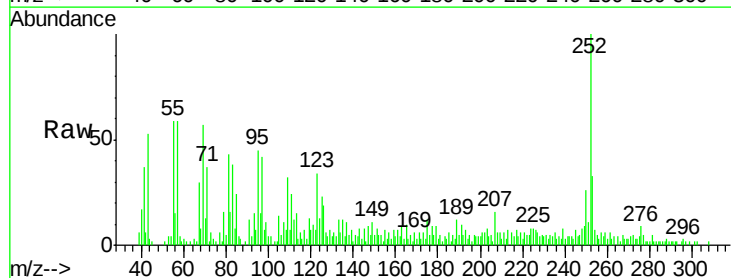


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

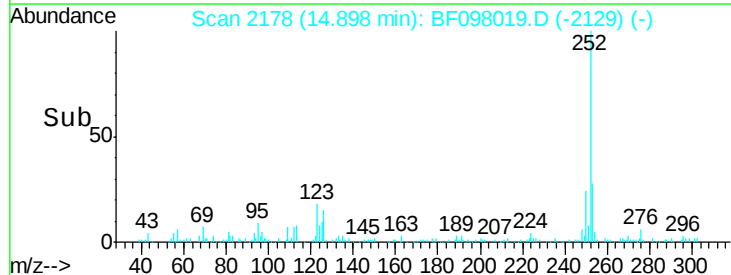
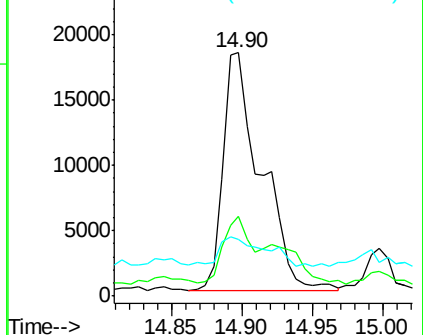


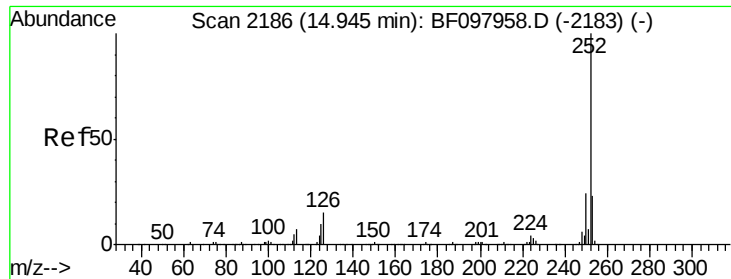
#87
Benzo(b)fluoranthene
Concen: 2.76 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF098019.D
Acq: 24 Aug 2017 23:19

Tgt Ion:252 Resp: 34256
Ion Ratio Lower Upper
252 100
253 32.5 18.1 27.1#
125 23.2 9.8 14.8#



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





#88

Benzo(k)fluoranthene

Concen: 2.93 ng

RT: 14.90 min Scan# 2178

Delta R.T. -0.04 min

Lab File: BF098019.D

Acq: 24 Aug 2017 23:19

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-002-A

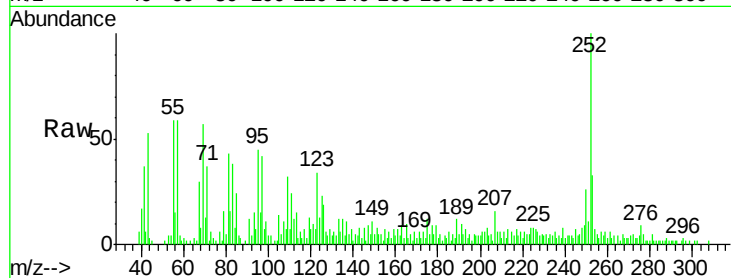
Tot Ion:252 Resp: 34256

Ion Ratio Lower Upper

252 100

253 32.5 18.4 27.6#

125 23.2 13.1 19.7#



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

