

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082417\
 Data File : BF098020.D
 Acq On : 24 Aug 2017 23:47
 Operator : SJ/JU
 Sample : I4920-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Aug 25 01:04:37 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

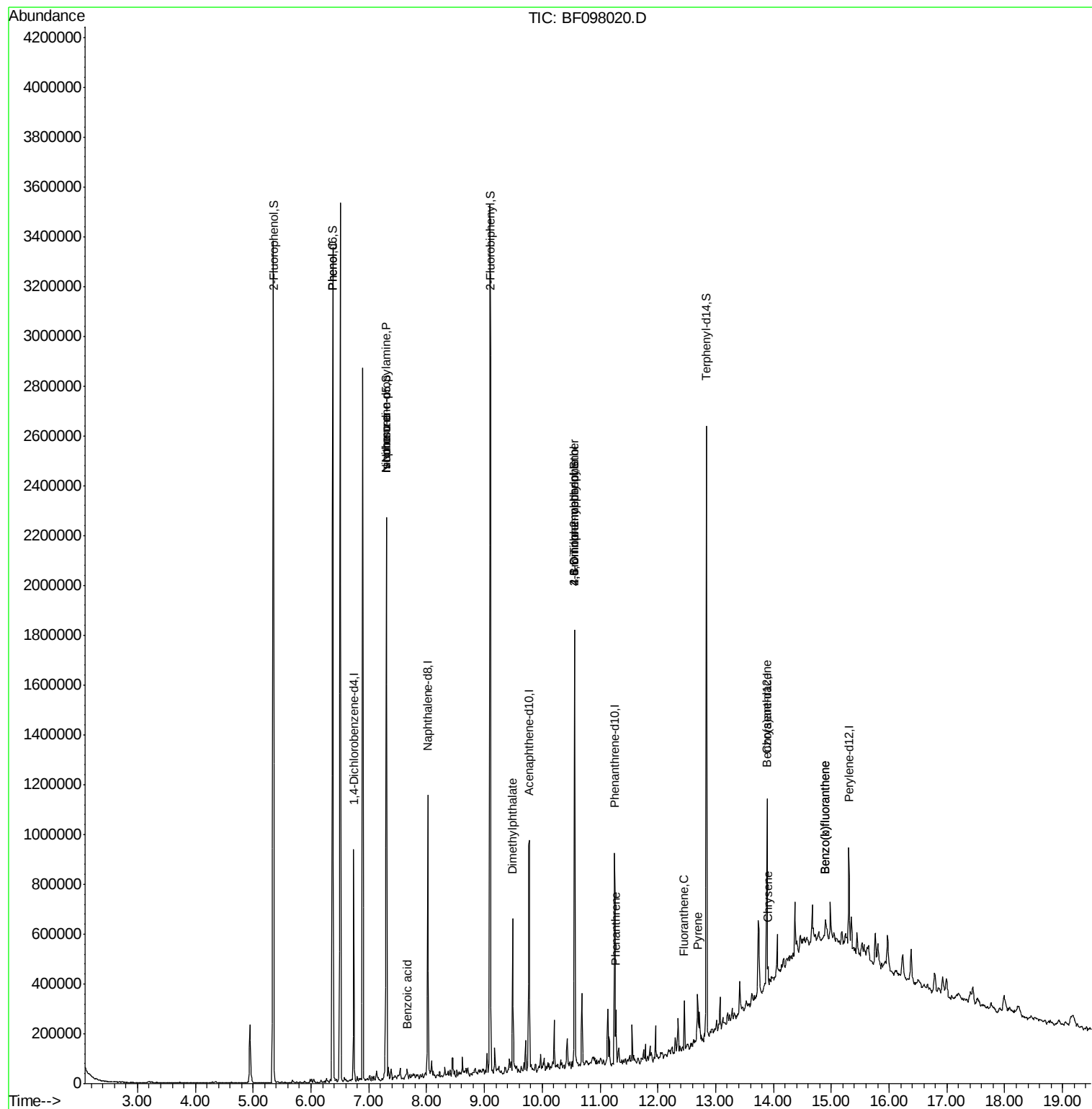
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	121038	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	457520	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	182177	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	291856	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	256769	20.00	ng	-0.01
86) Perylene-d12	15.30	264	184827	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1095747	137.70	ng	0.00
7) Phenol-d6	6.38	99	1463296	135.34	ng	0.00
23) Nitrobenzene-d5	7.30	82	914011	108.53	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	204932	129.65	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1175348	94.79	ng	-0.01
78) Terphenyl-d14	12.84	244	813480	66.07	ng	-0.01
Target Compounds						
10) Phenol	6.39	94	39416	3.12	ng	Qvalue 91
19) n-Nitroso-di-n-propylamine	7.30	70	129441	17.49	ng	# 73
25) Isophorone	7.30	82	898043	51.28	ng	# 67
32) Benzoic acid	7.67	122	116	6.42	ng	# 1
49) Dimethylphthalate	9.49	163	198822	14.93	ng	98
64) 4,6-Dinitro-2-methylphenol	10.56	198	551	8.65	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	13539	4.47	ng	# 1
70) Phenanthrene	11.27	178	64337	4.14	ng	99
74) Fluoranthene	12.46	202	76000	4.68	ng	98
77) Pyrene	12.69	202	74879	3.57	ng	97
80) Benzo(a)anthracene	13.87	228	30885	2.01	ng	# 90
82) Chrysene	13.91	228	34820	2.27	ng	# 93
87) Benzo(b)fluoranthene	14.90	252	42363	3.64	ng	# 70
88) Benzo(k)fluoranthene	14.90	252	42363	3.87	ng	# 74

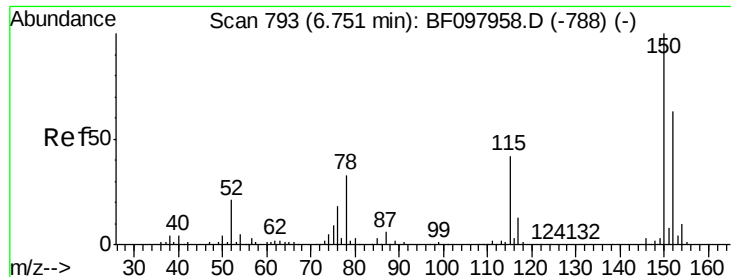
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082417\
Data File : BF098020.D
Acq On : 24 Aug 2017 23:47
Operator : SJ/JU
Sample : I4920-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Aug 25 01:04:37 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



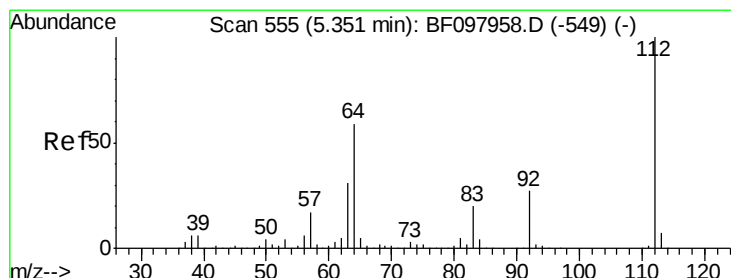
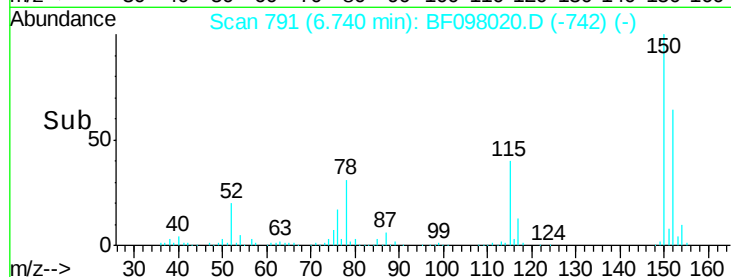
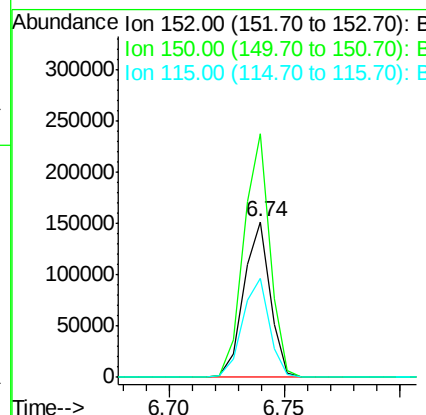
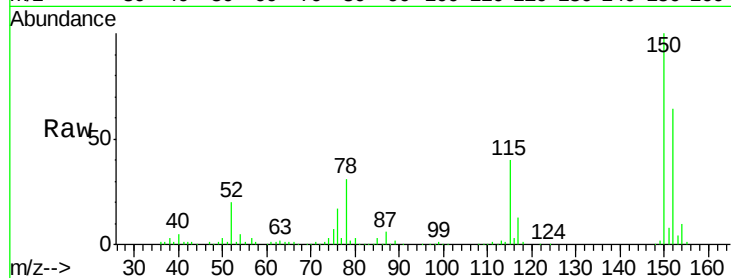


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098020.D
Acq: 24 Aug 2017 23:47

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

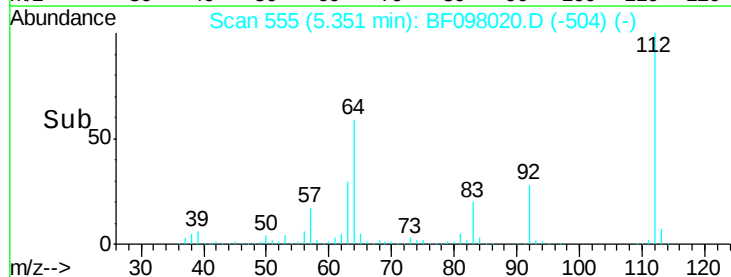
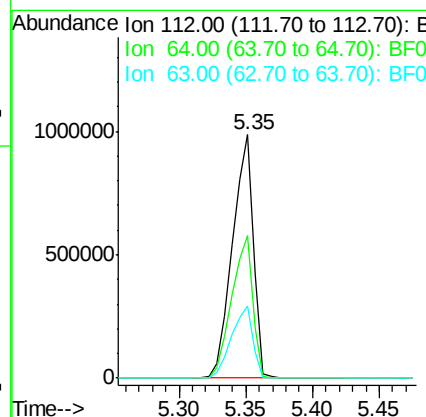
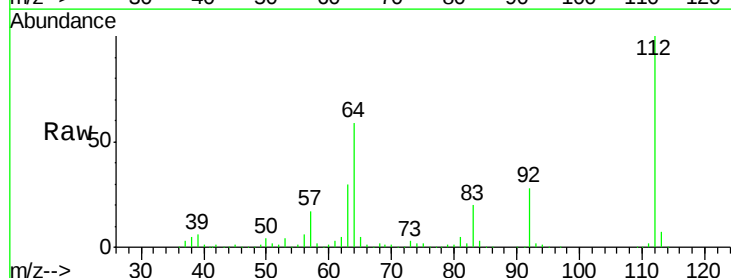
Tot Ion:152 Resp: 121038
Ion Ratio Lower Upper
152 100
150 156.5 126.2 189.2
115 63.2 52.2 78.2

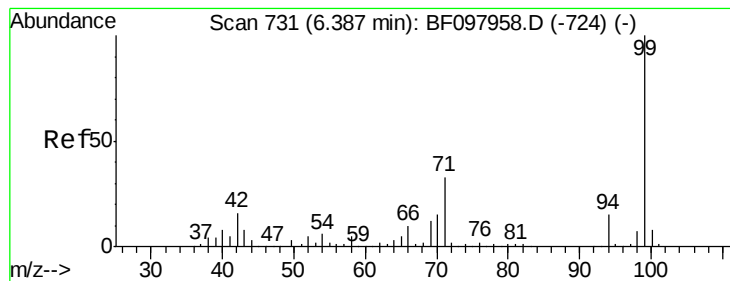


#5

2-Fluorophenol
Concen: 137.70 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF098020.D
Acq: 24 Aug 2017 23:47

Tgt Ion:112 Resp: 1095747
Ion Ratio Lower Upper
112 100
64 58.7 46.0 69.0
63 29.8 23.4 35.0





#7

Phenol-d6

Concen: 135.34 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF098020.D

Acq: 24 Aug 2017 23:47

Instrument :

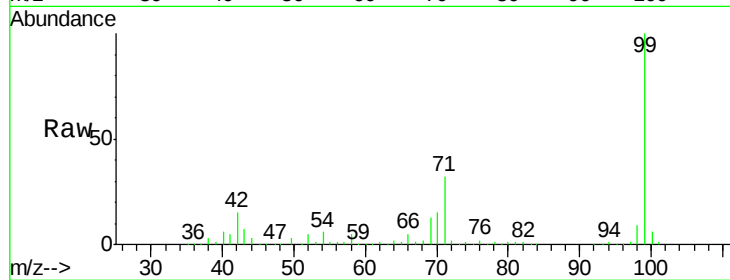
BNA_F

ClientSampleId :

FK-SF-03-002-B

Tot Ion: 99 Resp: 1463296

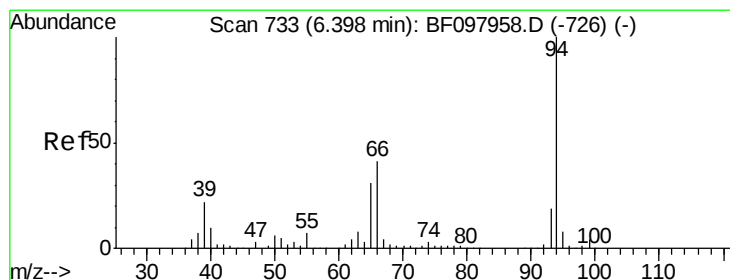
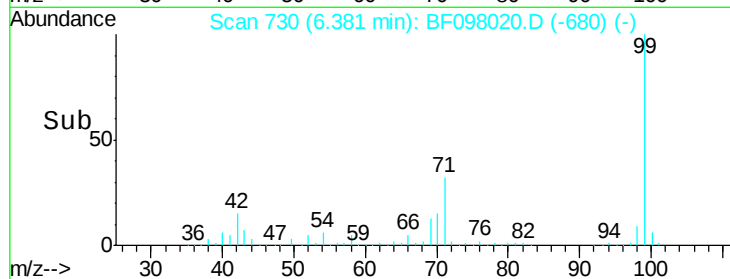
Ion	Ratio	Lower	Upper
99	100		
42	15.0	13.5	20.3
71	32.2	24.5	36.7



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: 3.12 ng

RT: 6.39 min Scan# 731

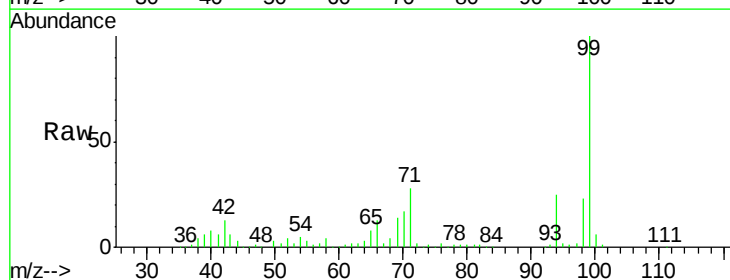
Delta R.T. -0.01 min

Lab File: BF098020.D

Acq: 24 Aug 2017 23:47

Tgt Ion: 94 Resp: 39416

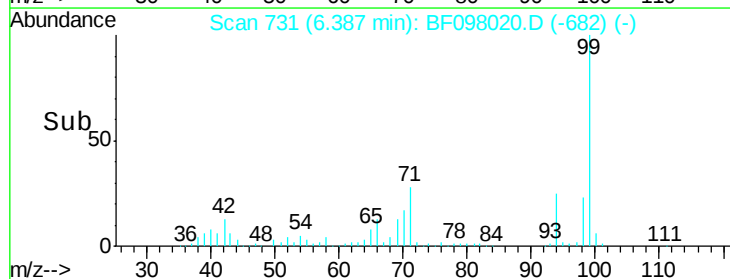
Ion	Ratio	Lower	Upper
94	100		
65	32.2	9.9	49.9
66	50.6	23.1	63.1

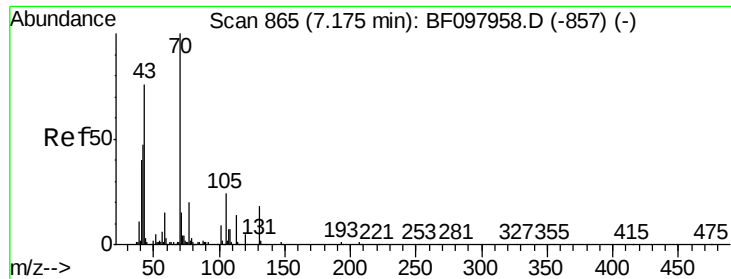


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

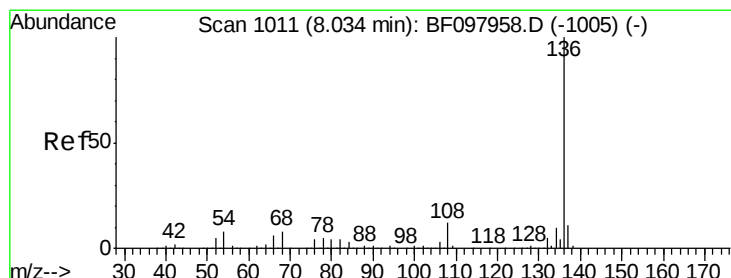
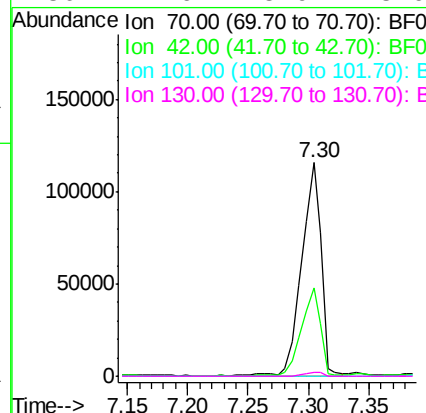
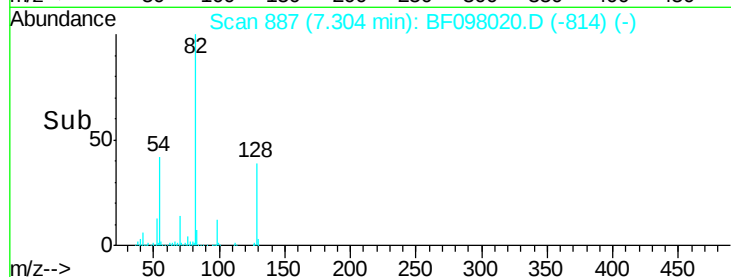
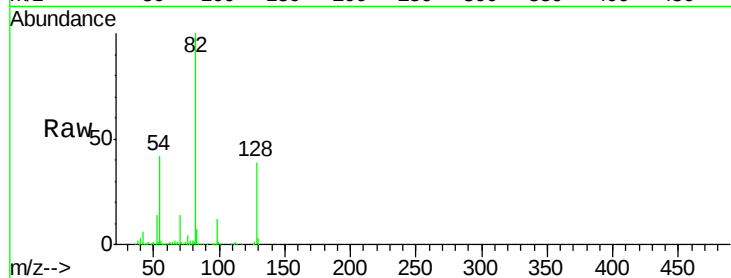




#19
n-Nitroso-di-n-propylamine
Concen: 17.49 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.13 min
Lab File: BF098020.D
Acq: 24 Aug 2017 23:47

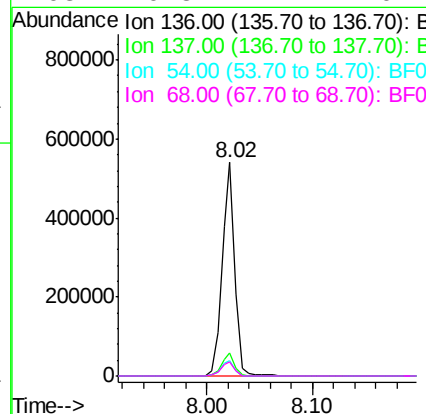
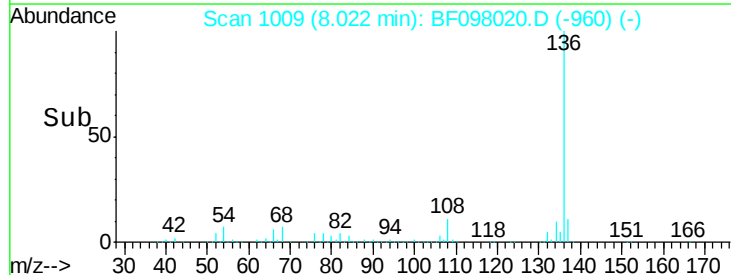
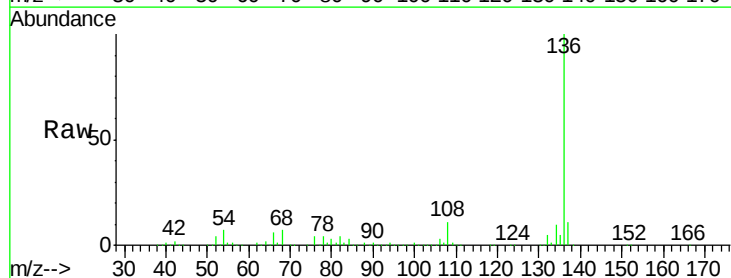
Instrument :
BNA_F
ClientSampleId :
FK-SF-03-002-B

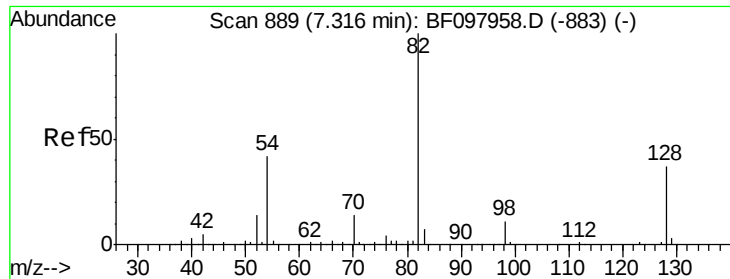
Tot Ion: 70 Resp: 129441
Ion Ratio Lower Upper
70 100
42 41.4 47.2 70.8#
101 0.0 7.2 10.8#
130 1.6 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF098020.D
Acq: 24 Aug 2017 23:47

Tgt Ion: 136 Resp: 457520
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 7.4 4.9 7.3#
68 6.8 4.1 6.1#

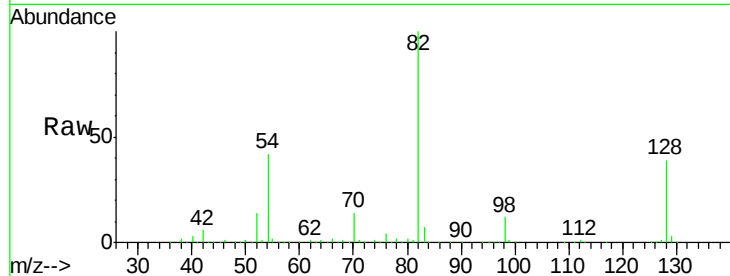




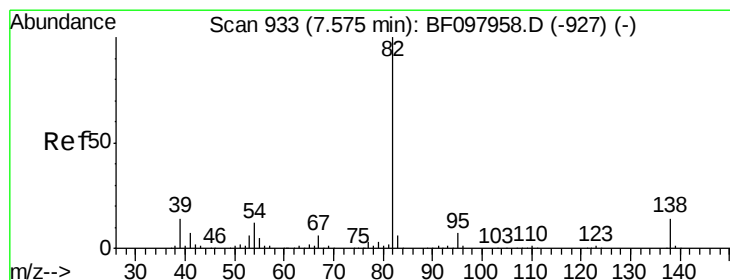
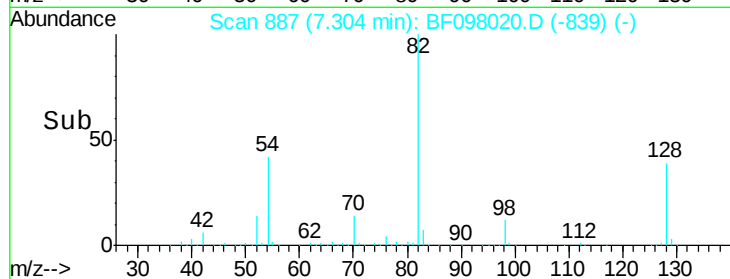
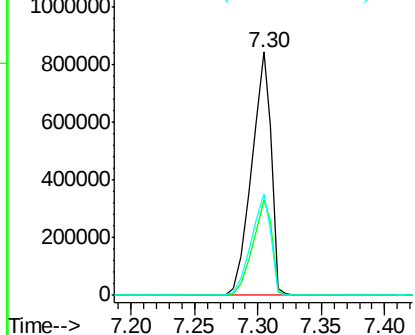
#23
Nitrobenzene-d5
Concen: 108.53 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF098020.D
Acq: 24 Aug 2017 23:47

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

Tot Ion: 82 Resp: 914011
Ion Ratio Lower Upper
82 100
128 38.9 34.0 51.0
54 41.9 42.2 63.2#

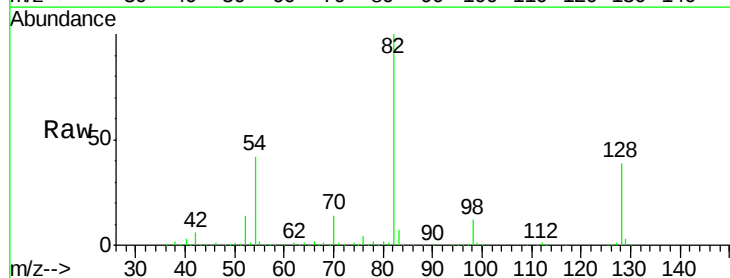


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

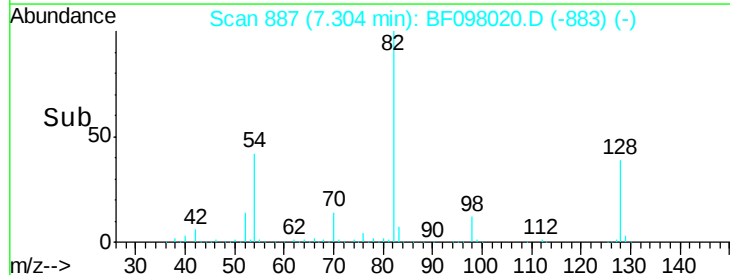
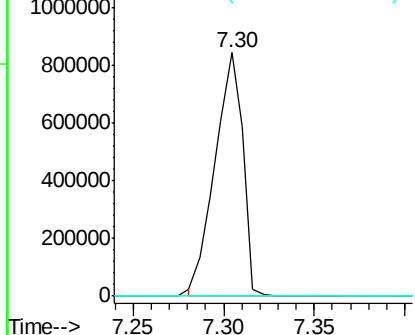


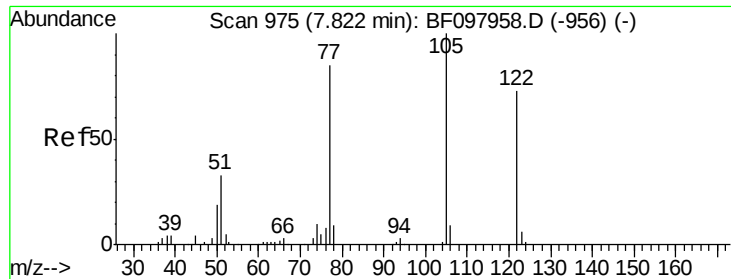
#25
Isophorone
Concen: 51.28 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.28 min
Lab File: BF098020.D
Acq: 24 Aug 2017 23:47

Tgt Ion: 82 Resp: 898043
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





#32

Benzoic acid

Concen: 6.42 ng

RT: 7.67 min Scan# 950

Delta R.T. -0.16 min

Lab File: BF098020.D

Acq: 24 Aug 2017 23:47

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-002-B

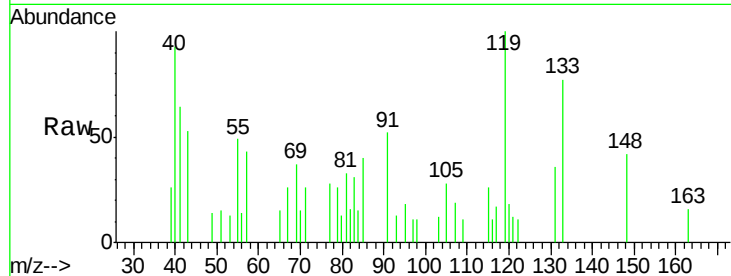
Tot Ion:122 Resp: 116

Ion Ratio Lower Upper

122 100

105 247.6 103.3 143.3#

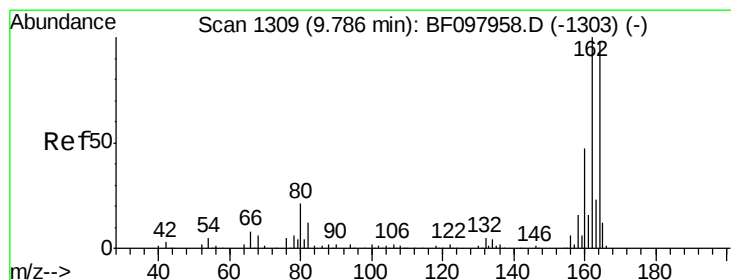
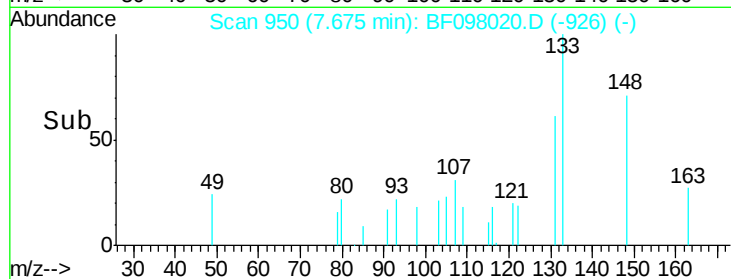
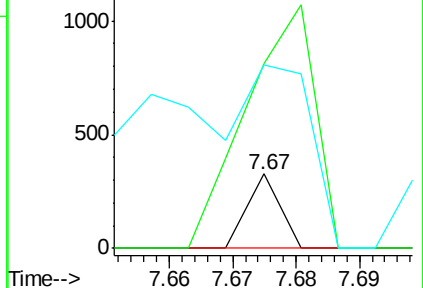
77 245.7 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BF098020.D

Acq: 24 Aug 2017 23:47

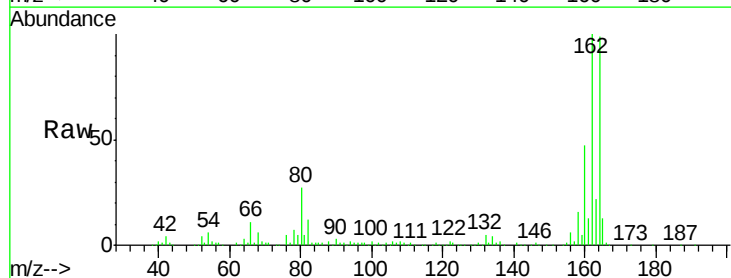
Tgt Ion:164 Resp: 182177

Ion Ratio Lower Upper

164 100

162 101.3 82.6 123.8

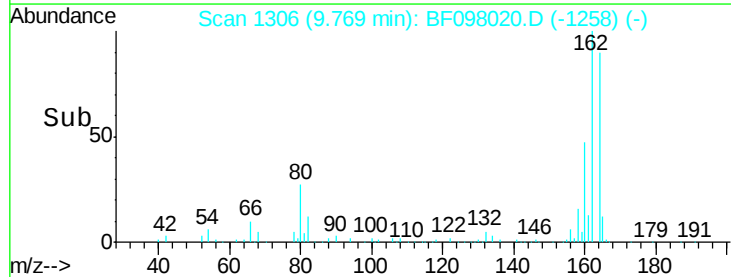
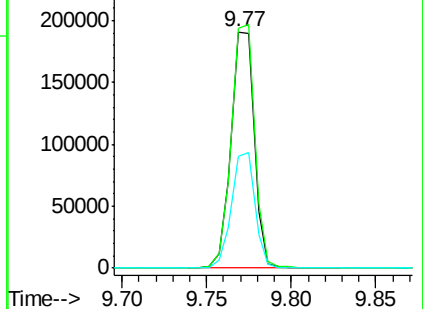
160 47.3 36.2 54.2

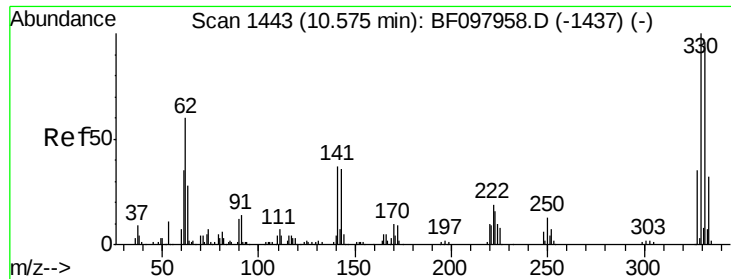


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

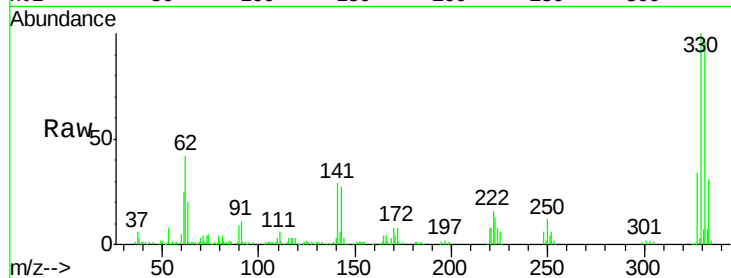




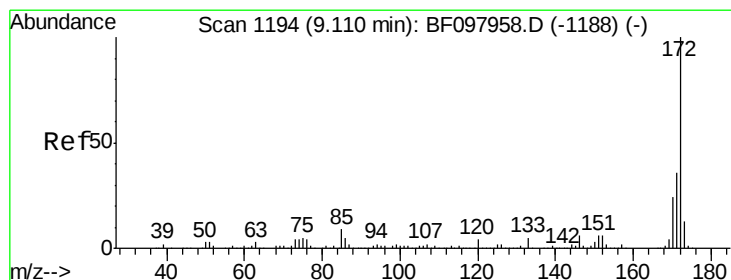
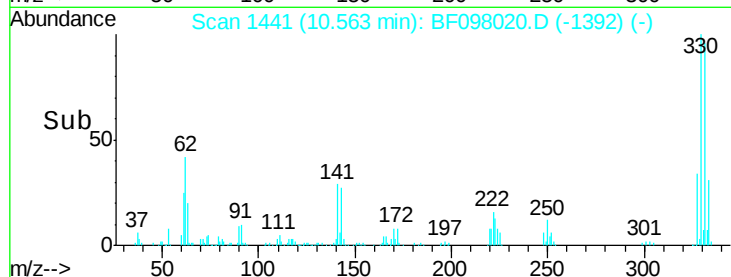
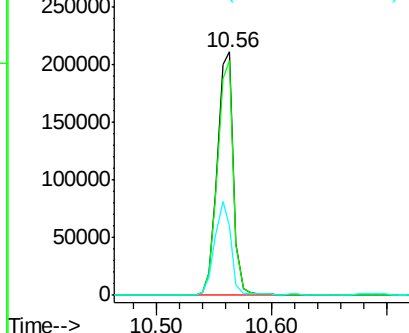
#41
 2,4,6-Tribromophenol
 Concen: 129.65 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098020.D
 Acq: 24 Aug 2017 23:47

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	115.0
141	38.5	31.4	47.2

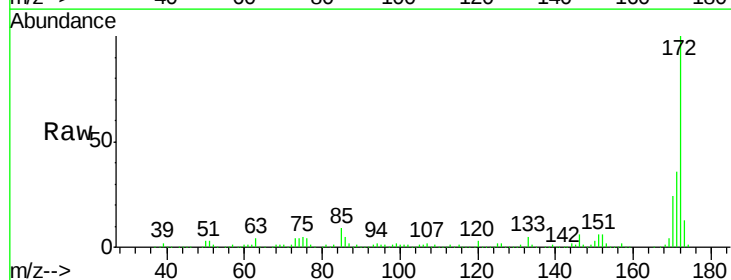


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

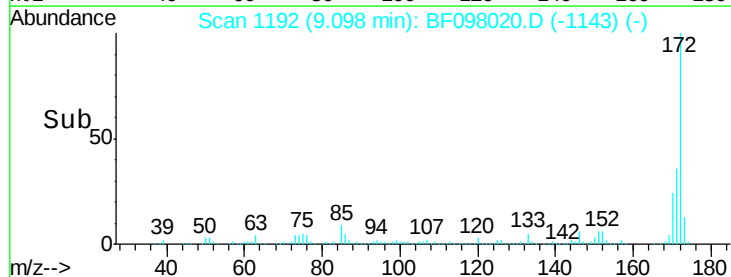
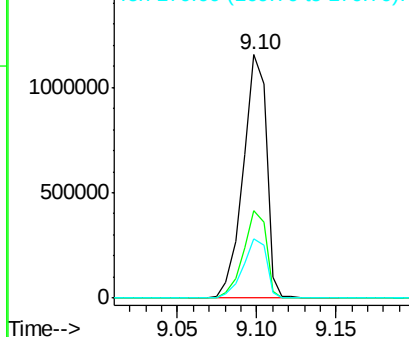


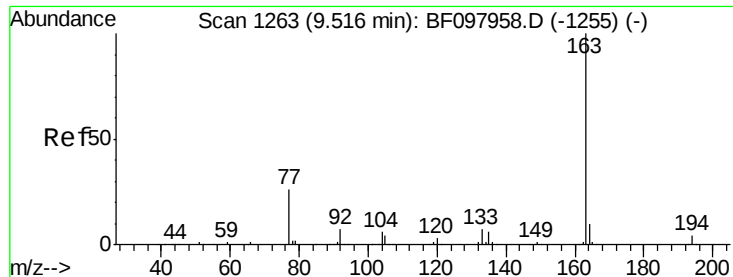
#44
 2-Fluorobiphenyl
 Concen: 94.79 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF098020.D
 Acq: 24 Aug 2017 23:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	24.4	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

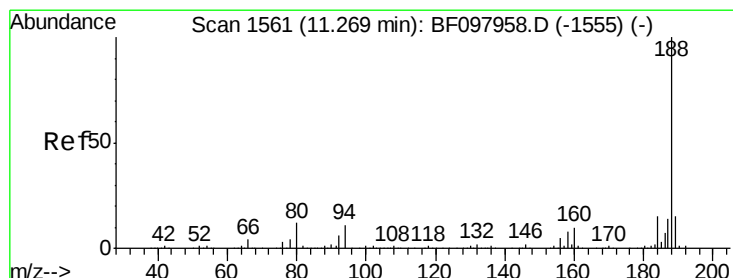
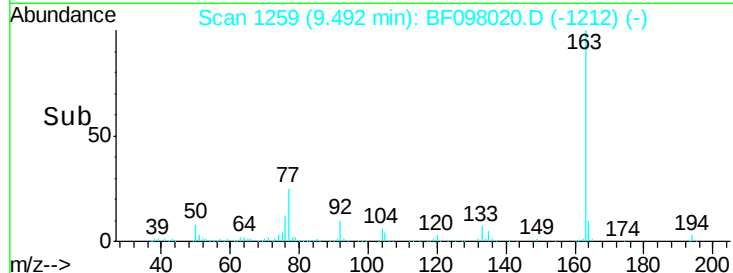
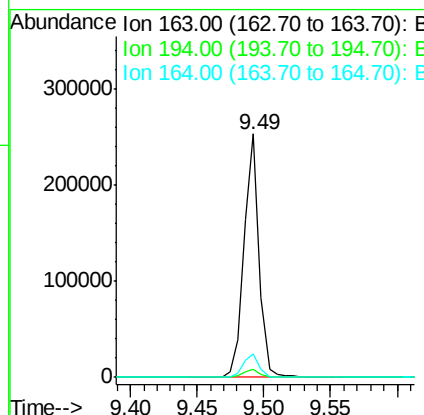
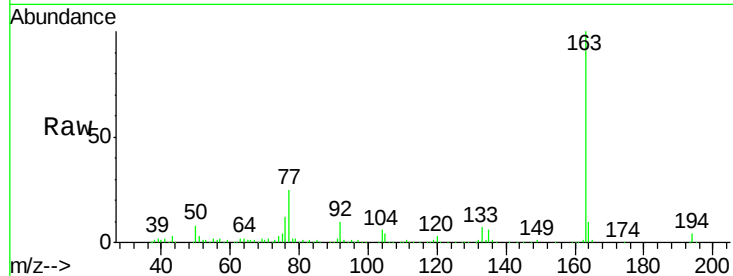




#49
 Dimethylphthalate
 Concen: 14.93 ng
 RT: 9.49 min Scan# 1259
 Delta R.T. -0.02 min
 Lab File: BF098020.D
 Acq: 24 Aug 2017 23:47

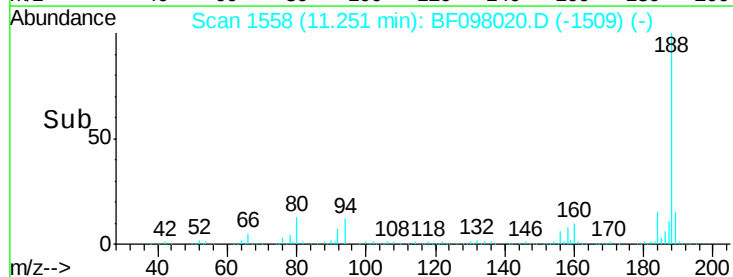
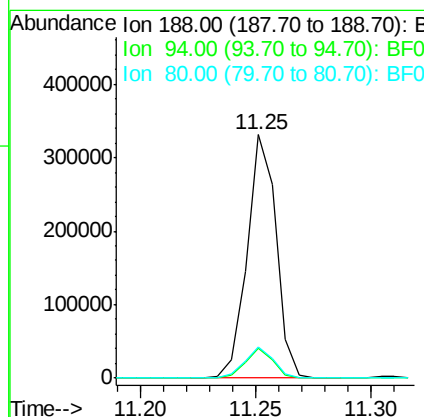
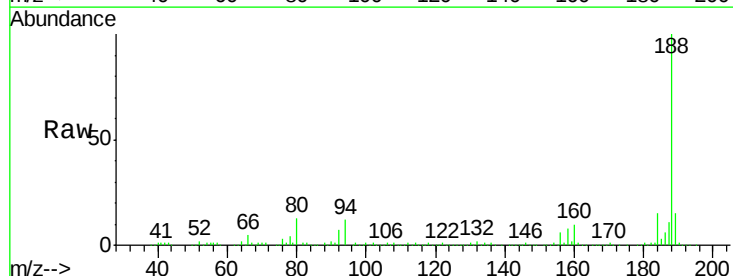
Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-002-B

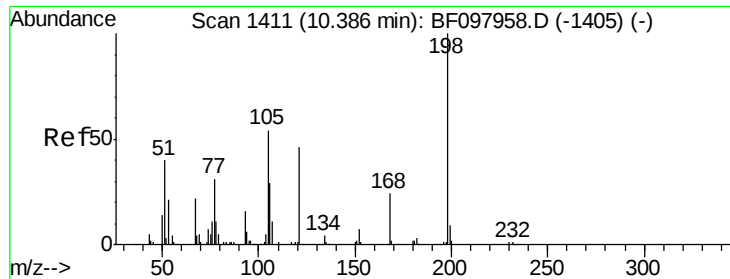
Tot Ion:163	Resp:	198822
Ion Ratio	Lower	Upper
163	100	
194	3.5	2.6 4.0
164	9.5	8.4 12.6



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF098020.D
 Acq: 24 Aug 2017 23:47

Tgt Ion:188	Resp:	291856
Ion Ratio	Lower	Upper
188	100	
94	12.3	9.4 14.2
80	12.9	10.2 15.2





#64

4,6-Dinitro-2-methylphenol

Concen: 8.65 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.18 min

Lab File: BF098020.D

Acq: 24 Aug 2017 23:47

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-002-B

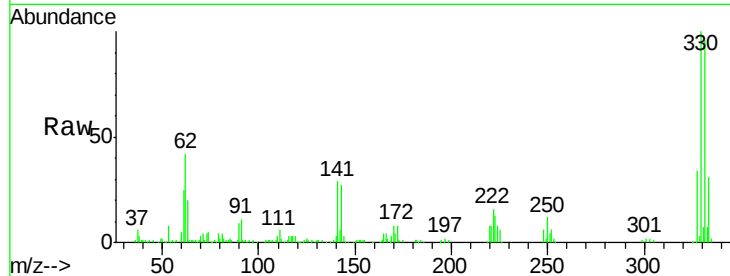
Tot Ion:198 Resp: 551

Ion Ratio Lower Upper

198 100

51 117.5 53.2 93.2#

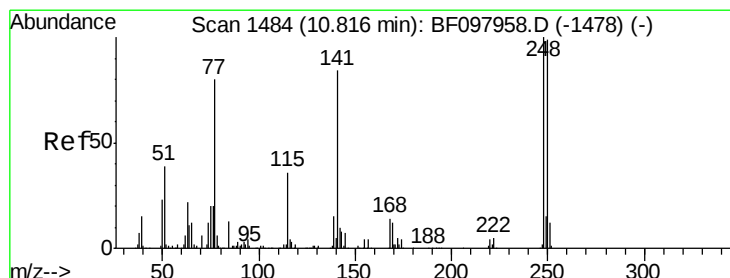
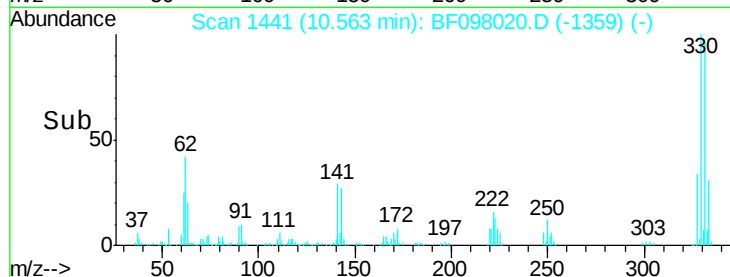
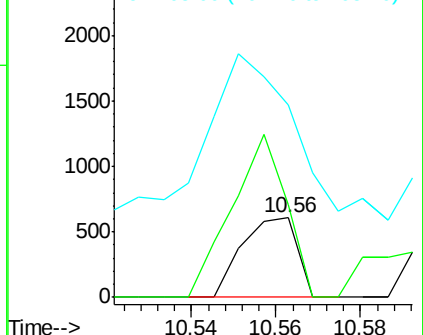
105 243.6 45.8 85.8#



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: 4.47 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.26 min

Lab File: BF098020.D

Acq: 24 Aug 2017 23:47

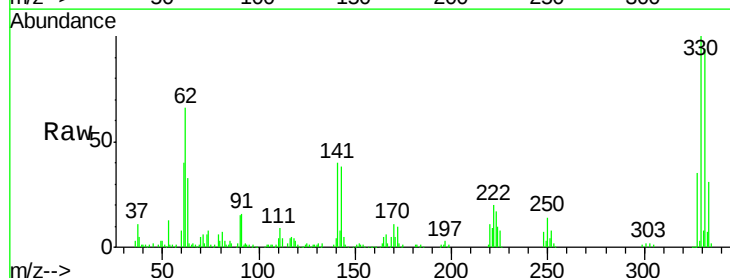
Tgt Ion:248 Resp: 13539

Ion Ratio Lower Upper

248 100

250 195.7 76.8 115.2#

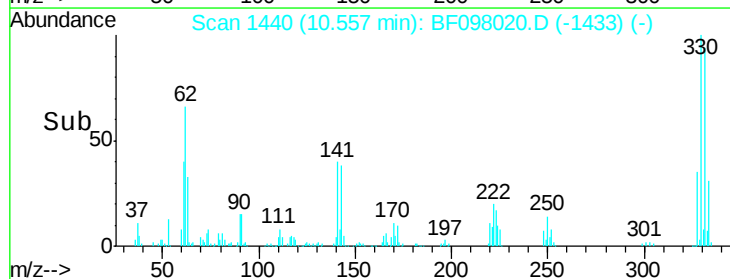
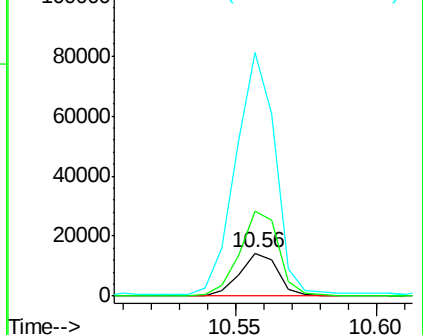
141 564.0 68.6 103.0#

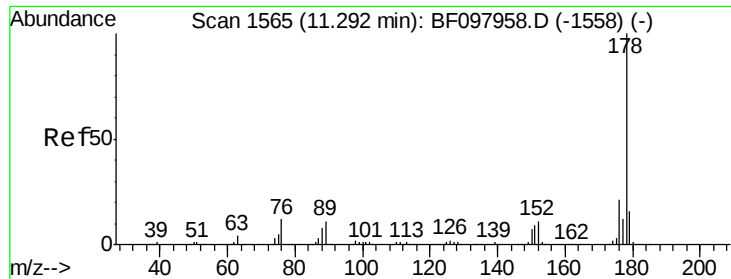


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 4.14 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.02 min

Lab File: BF098020.D

Acq: 24 Aug 2017 23:47

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-002-B

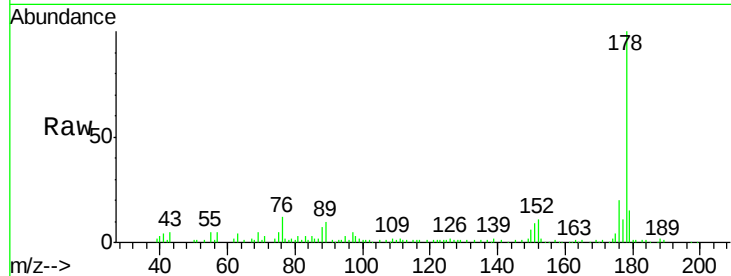
Tot Ion:178 Resp: 64337

Ion Ratio Lower Upper

178 100

176 20.2 16.2 24.4

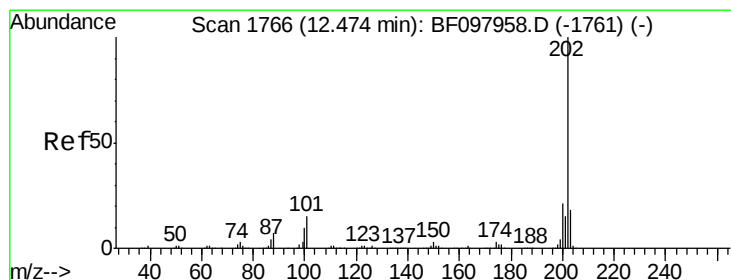
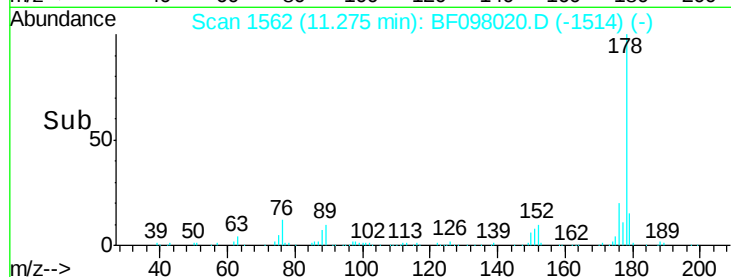
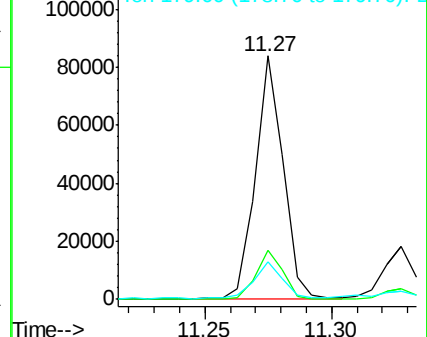
179 15.3 12.6 19.0



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: 4.68 ng

RT: 12.46 min Scan# 1763

Delta R.T. -0.02 min

Lab File: BF098020.D

Acq: 24 Aug 2017 23:47

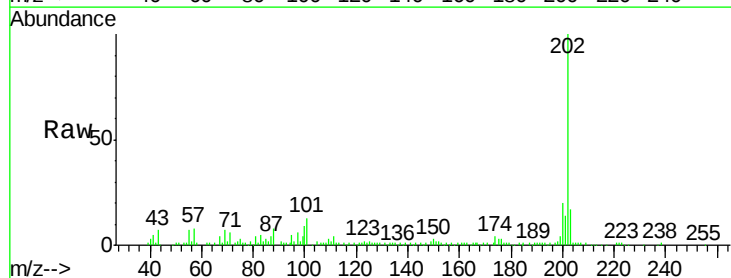
Tgt Ion:202 Resp: 76000

Ion Ratio Lower Upper

202 100

101 12.8 0.0 33.2

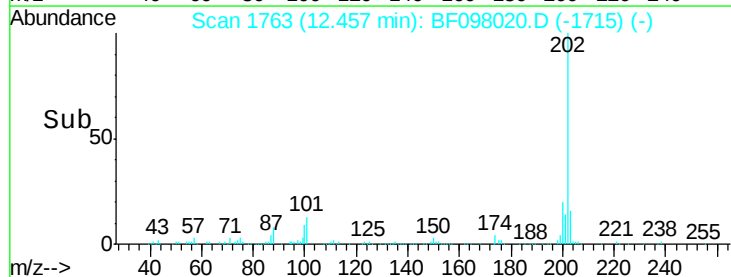
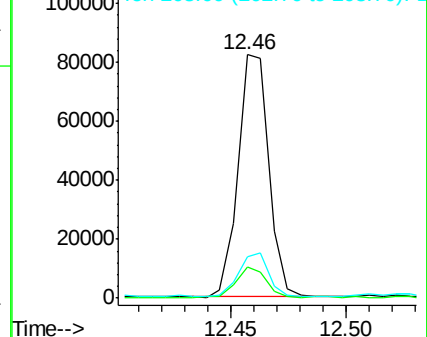
203 17.2 0.0 38.1

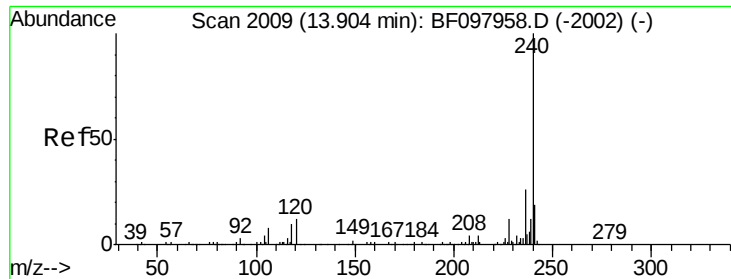


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF098020.D

Acq: 24 Aug 2017 23:47

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-002-B

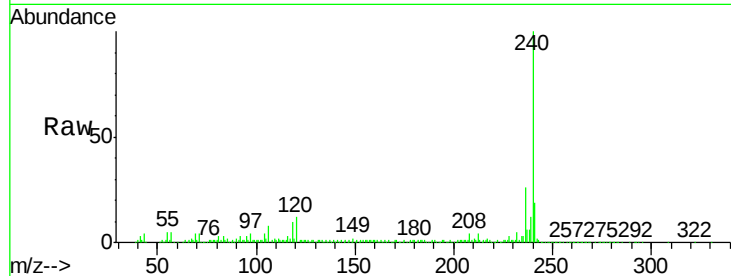
Tot Ion:240 Resp: 256769

Ion Ratio Lower Upper

240 100

120 12.3 5.8 8.8#

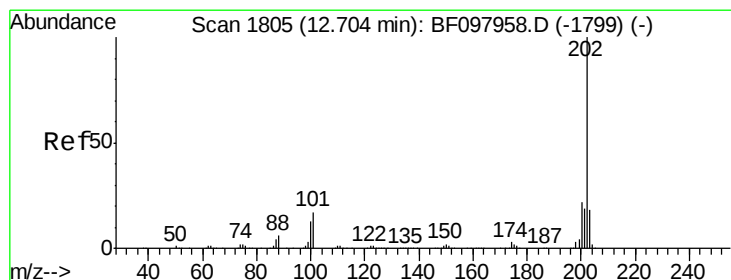
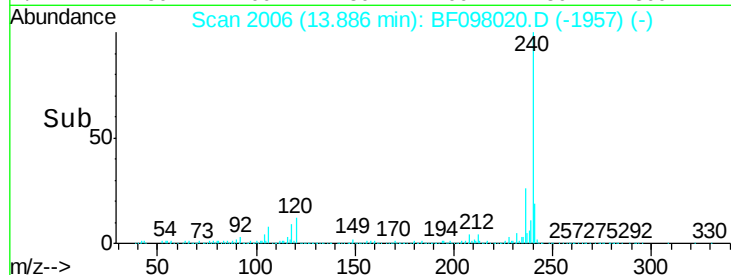
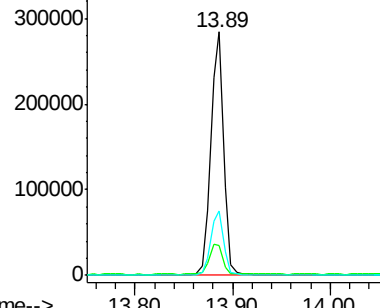
236 26.5 20.5 30.7



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

Pyrene

Concen: 3.57 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.02 min

Lab File: BF098020.D

Acq: 24 Aug 2017 23:47

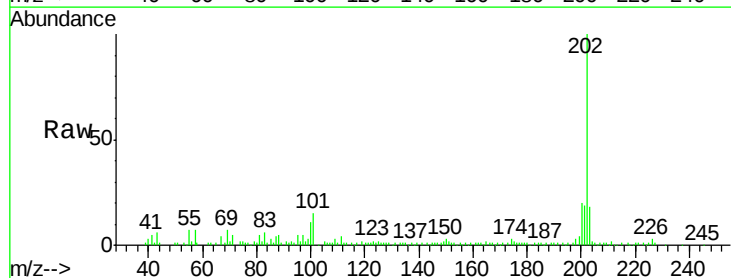
Tgt Ion:202 Resp: 74879

Ion Ratio Lower Upper

202 100

200 19.5 17.6 26.4

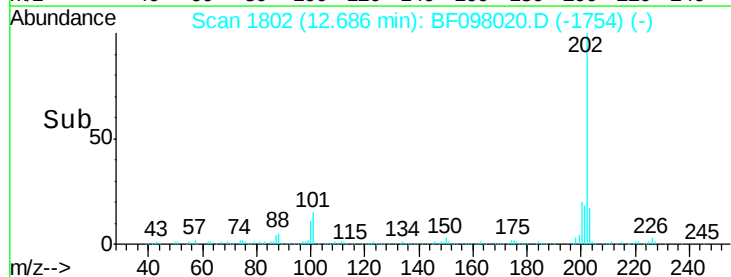
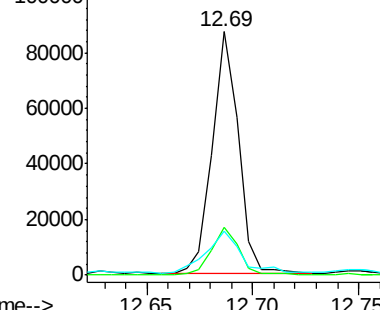
203 18.2 14.4 21.6

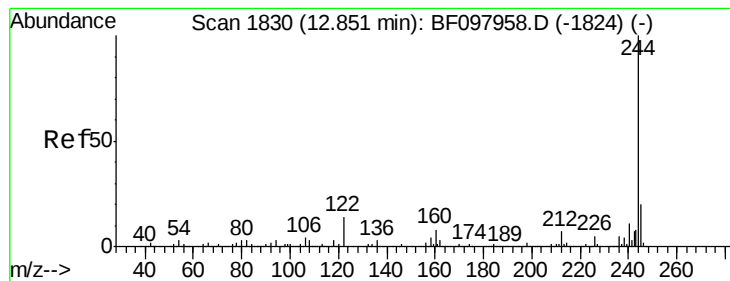


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 66.07 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF098020.D

Acq: 24 Aug 2017 23:47

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-002-B

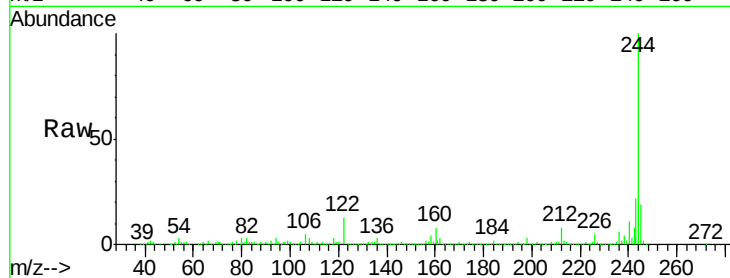
Tot Ion:244 Resp: 813480

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

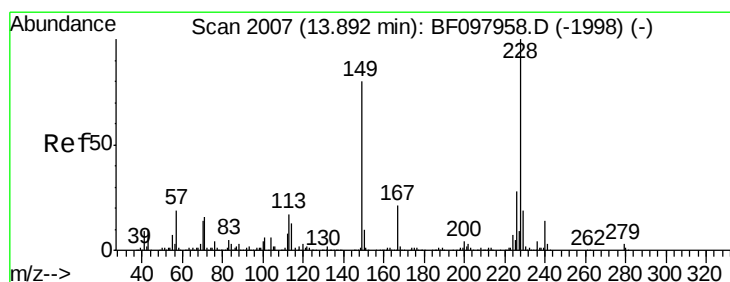
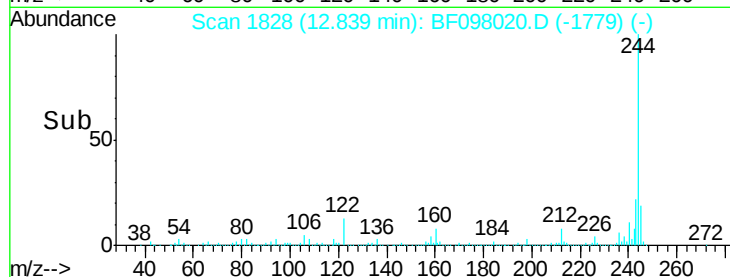
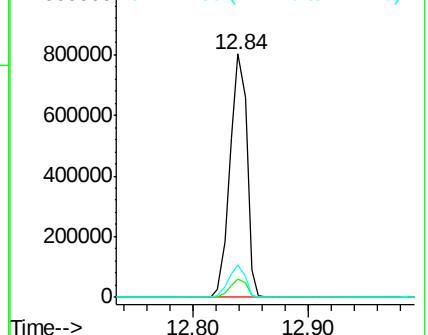
122 13.4 10.3 15.5



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



#80

Benzo(a)anthracene

Concen: 2.01 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF098020.D

Acq: 24 Aug 2017 23:47

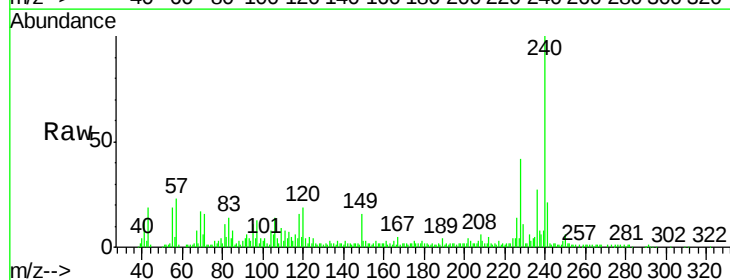
Tgt Ion:228 Resp: 30885

Ion Ratio Lower Upper

228 100

226 33.0 22.6 33.8

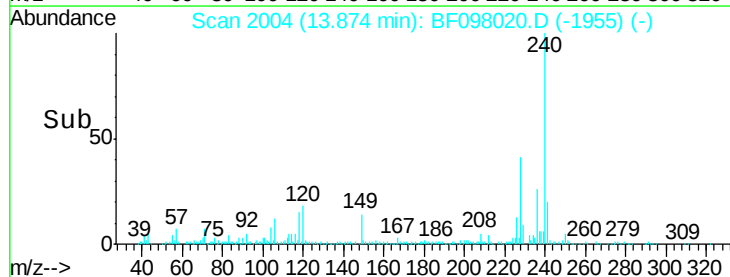
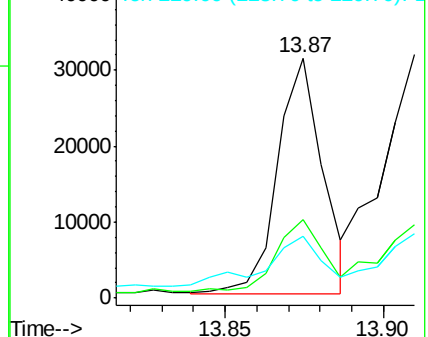
229 26.0 16.3 24.5#

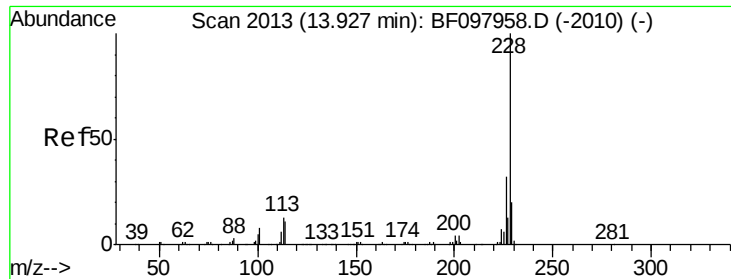


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

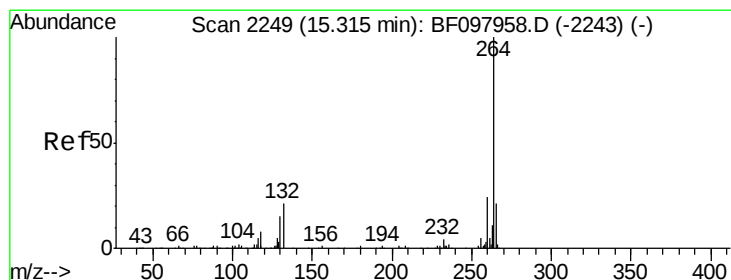
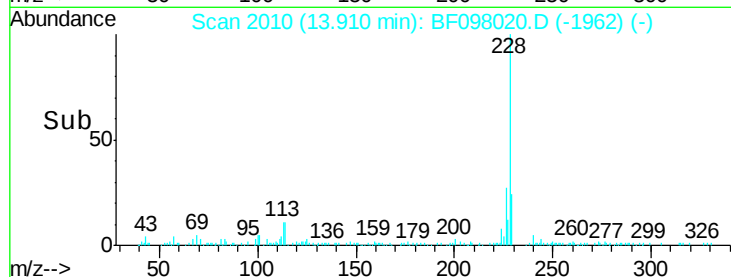
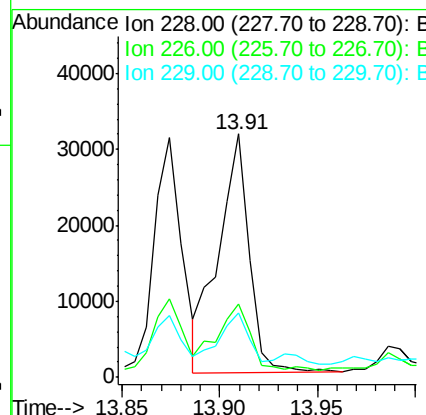
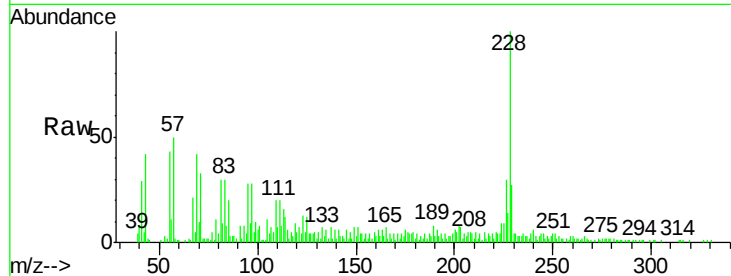




#82
Chrysene
Concen: 2.27 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF098020.D
Acq: 24 Aug 2017 23:47

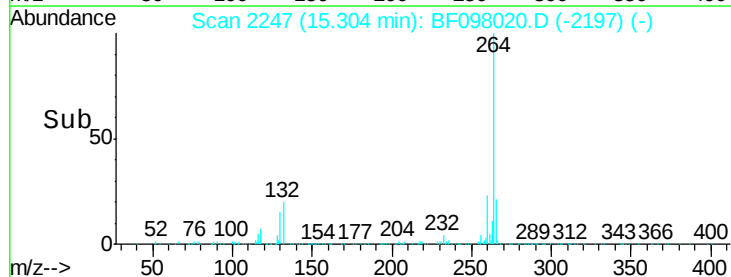
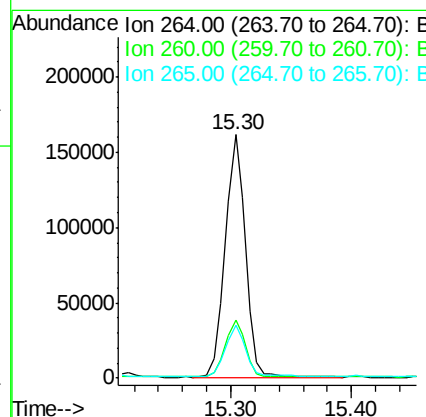
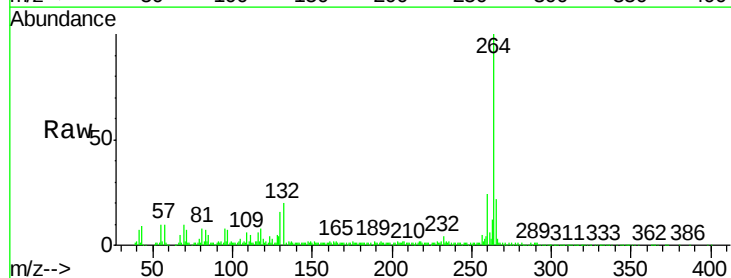
Instrument :
BNA_F
ClientSampleId :
FK-SF-03-002-B

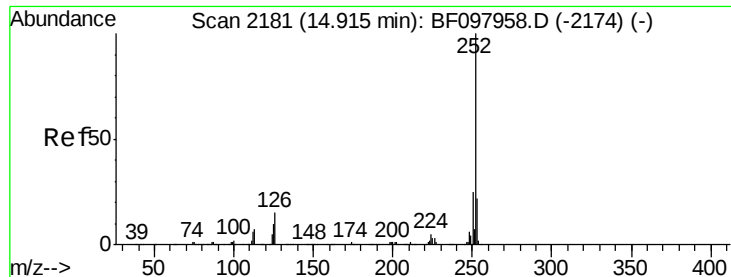
Tot Ion:228 Resp: 34820
Ion Ratio Lower Upper
228 100
226 29.9 24.9 37.3
229 26.5 15.8 23.6#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF098020.D
Acq: 24 Aug 2017 23:47

Tgt Ion:264 Resp: 184827
Ion Ratio Lower Upper
264 100
260 23.8 19.5 29.3
265 21.5 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 3.64 ng

RT: 14.90 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BF098020.D

Acq: 24 Aug 2017 23:47

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-002-B

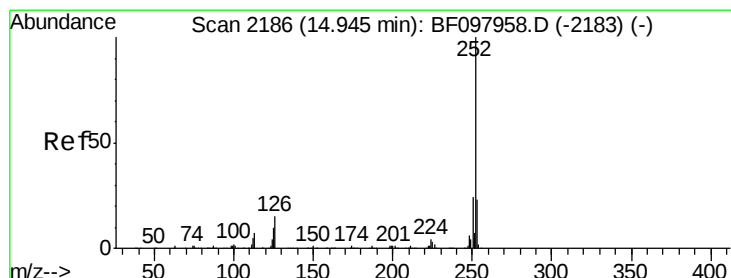
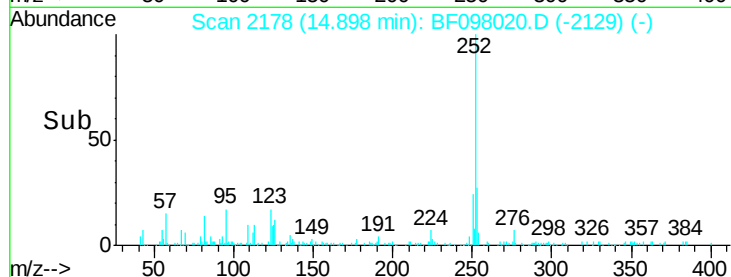
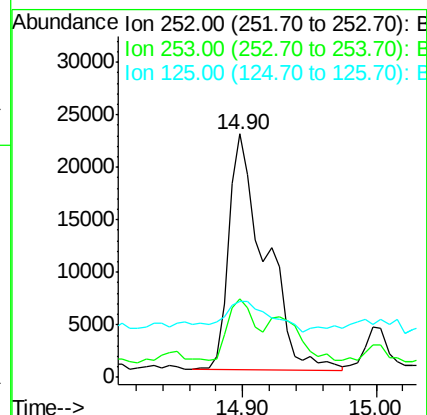
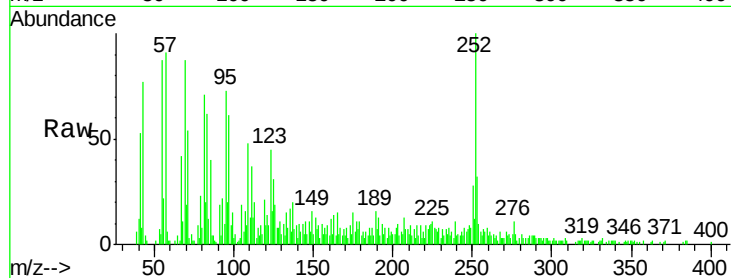
Tot Ion:252 Resp: 42363

Ion Ratio Lower Upper

252 100

253 32.2 18.1 27.1#

125 31.3 9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 3.87 ng

RT: 14.90 min Scan# 2178

Delta R.T. -0.04 min

Lab File: BF098020.D

Acq: 24 Aug 2017 23:47

Tgt Ion:252 Resp: 42363

Ion Ratio Lower Upper

252 100

253 32.2 18.4 27.6#

125 31.3 13.1 19.7#

