

Data File : BF100009.D
Acq On : 31 Oct 2017 17:59
Operator : SJ/JU
Sample : I6209-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-002-B

Quant Time: Nov 01 08:14:26 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 16:51:57 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	97714	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	406109	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	180093	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	306292	20.00	ng	0.00
75) Chrysene-d12	13.98	240	190509	20.00	ng	0.00
86) Perylene-d12	15.48	264	170368	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	586424	94.22	ng	0.00
7) Phenol-d6	6.43	99	708903	96.06	ng	0.00
23) Nitrobenzene-d5	7.36	82	405159	64.23	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	153387	93.46	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	767215	65.73	ng	0.00
78) Terphenyl-d14	12.90	244	582624	66.83	ng	0.00

Target Compounds						Qvalue
9) Benzaldehyde	6.56	77	10634	2.41	ng	94
10) Phenol	6.45	94	37221	4.59	ng	93
19) n-Nitroso-di-n-propylamine	7.36	70	50924	11.77	ng	# 71
25) Isophorone	7.36	82	405159	35.40	ng	# 64
49) Dimethylphthalate	9.54	163	156951	11.00	ng	100
56) 2,4-Dinitrotoluene	9.82	165	23777	6.59	ng	# 22
66) 4-Bromophenyl-phenylether	10.62	248	9861	3.06	ng	# 1
74) Fluoranthene	12.55	202	43242	2.41	ng	96
77) Pyrene	12.77	202	41906	2.89	ng	98
87) Benzo(b)fluoranthene	15.06	252	25582	2.38	ng	# 75
88) Benzo(k)fluoranthene	15.06	252	25582	2.52	ng	# 78

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

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FK-SF-02-002-B

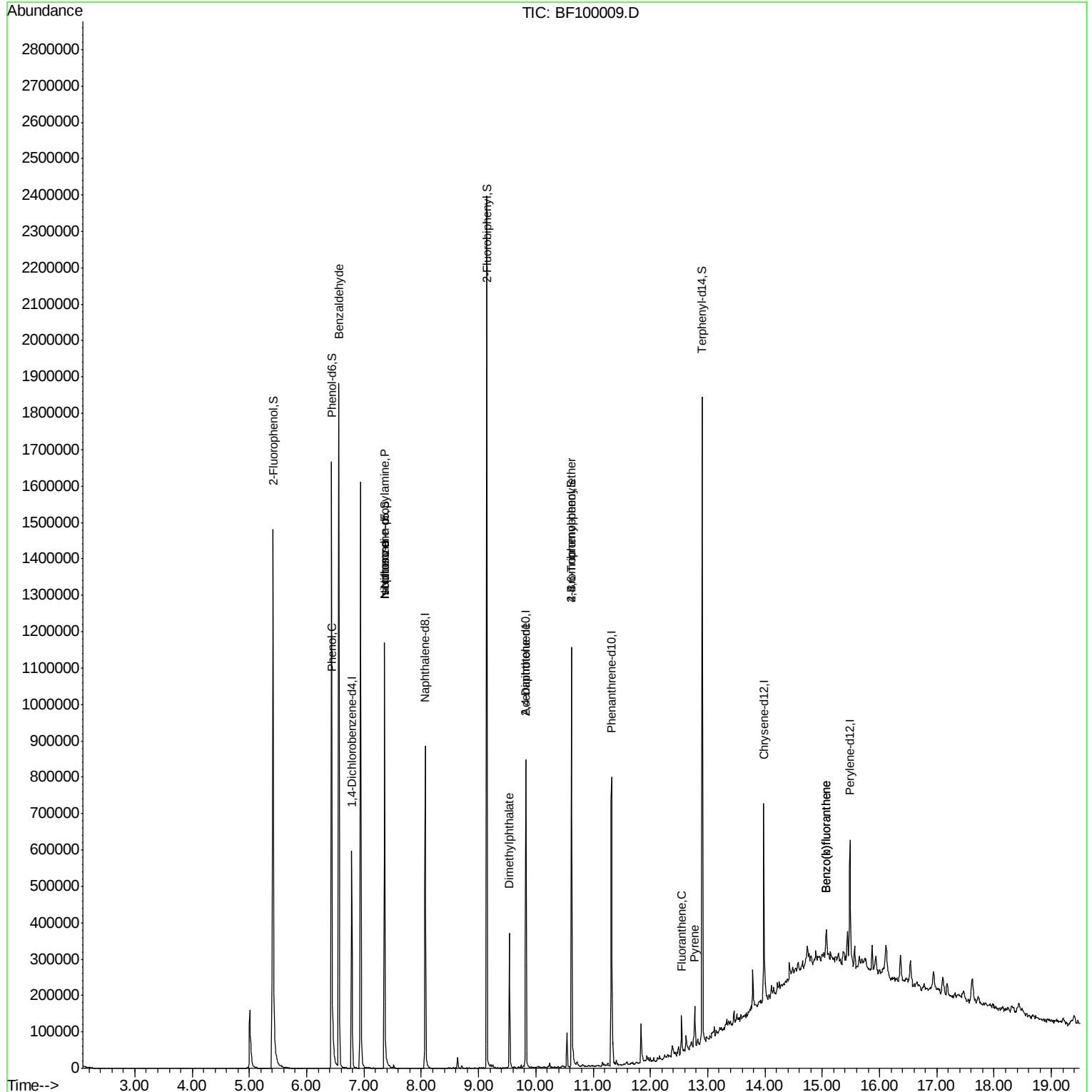
Quant Time: Nov 01 08:14:26 2017

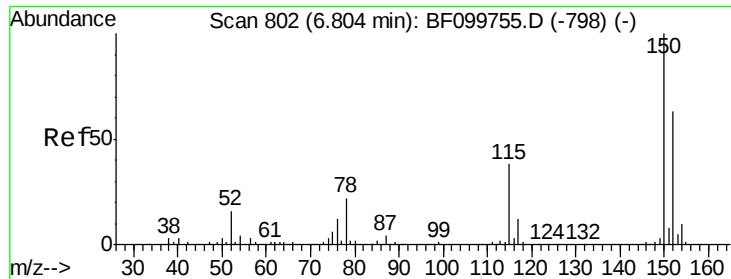
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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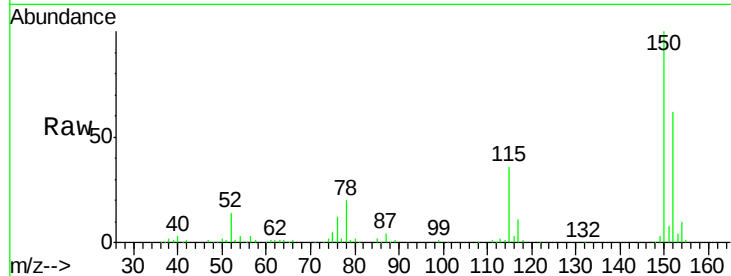




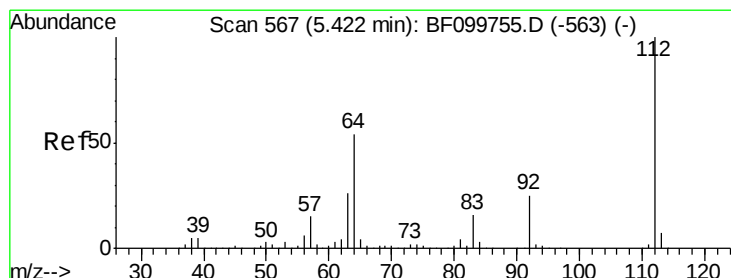
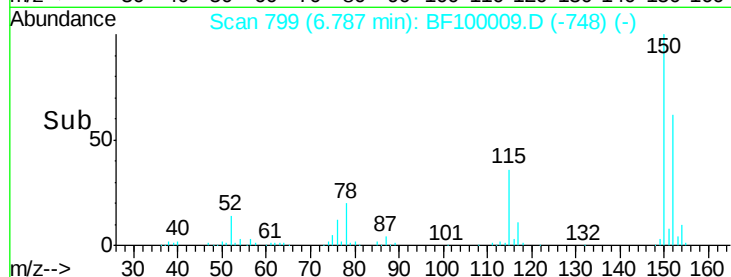
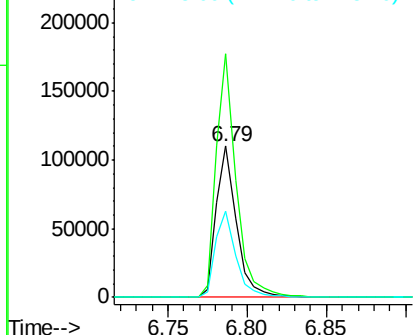
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.79 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF100009.D
 Acq: 31 Oct 2017 17:59

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-002-B

Tgt Ion:152 Resp: 97714
 Ion Ratio Lower Upper
 152 100
 150 160.8 124.6 186.8
 115 57.2 50.1 75.1

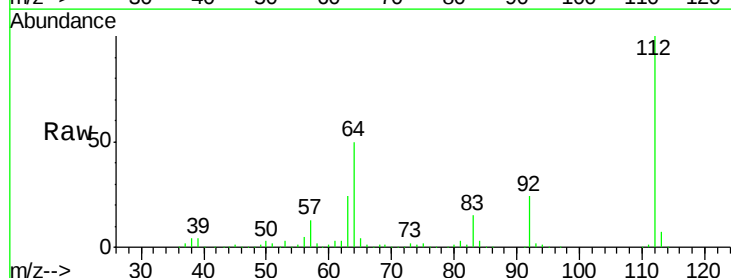


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

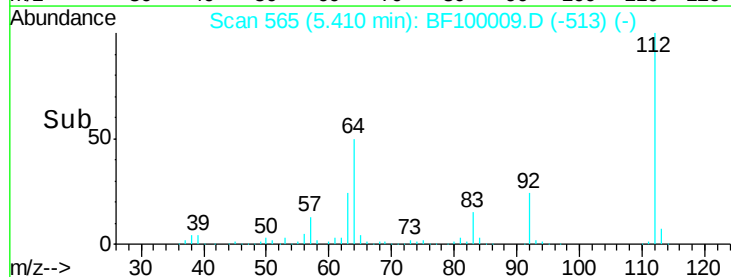
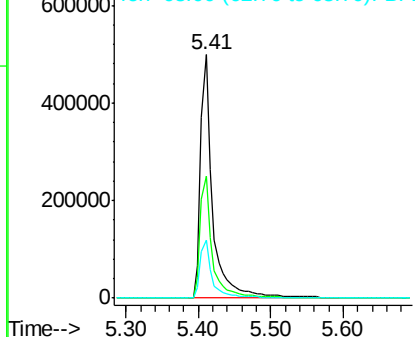


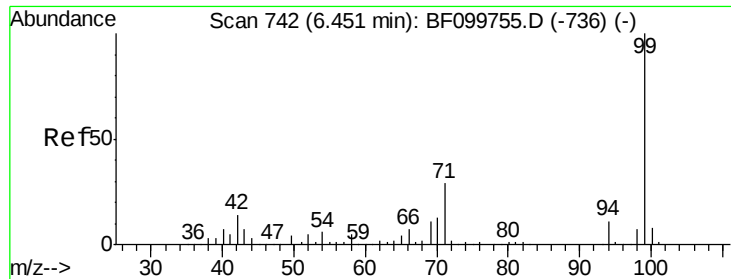
#5
 2-Fluorophenol
 Concen: 94.22 ng
 RT: 5.41 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: BF100009.D
 Acq: 31 Oct 2017 17:59

Tgt Ion:112 Resp: 586424
 Ion Ratio Lower Upper
 112 100
 64 50.2 47.9 71.9
 63 23.6 23.7 35.5#



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: 96.06 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF100009.D

Acq: 31 Oct 2017 17:59

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-B

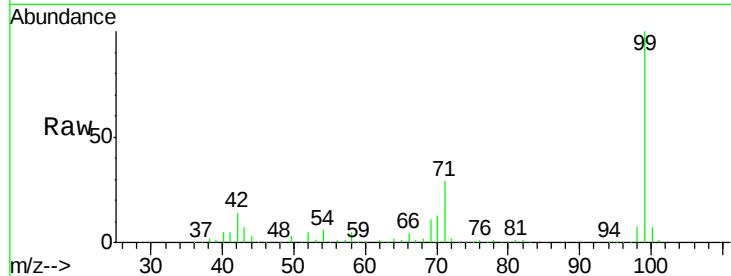
Tgt Ion: 99 Resp: 708903

Ion Ratio Lower Upper

99 100

42 13.7 14.5 21.7#

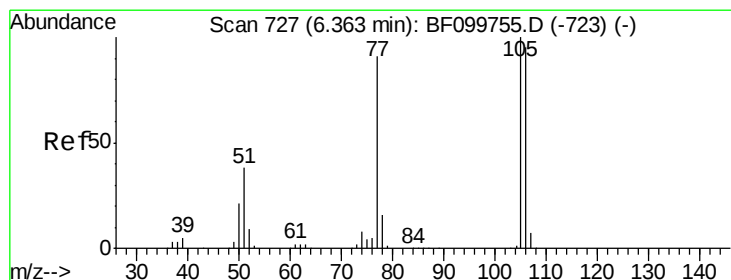
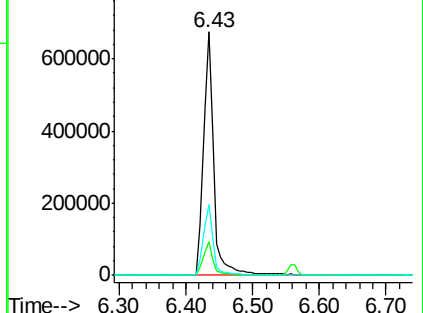
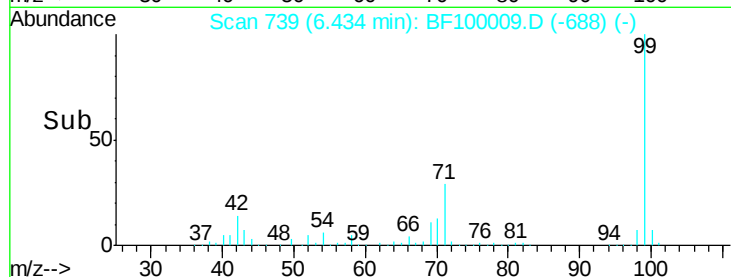
71 29.1 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.41 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.21 min

Lab File: BF100009.D

Acq: 31 Oct 2017 17:59

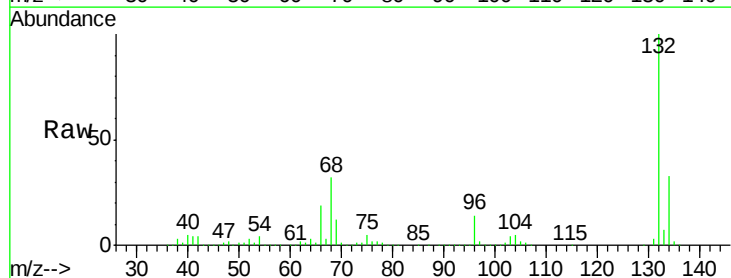
Tgt Ion: 77 Resp: 10634

Ion Ratio Lower Upper

77 100

105 95.9 81.1 121.1

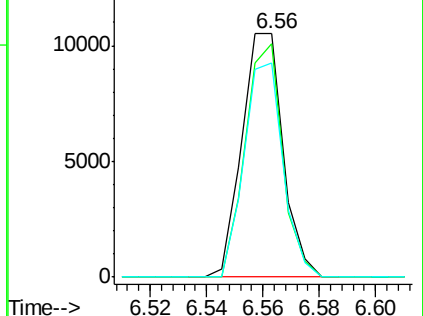
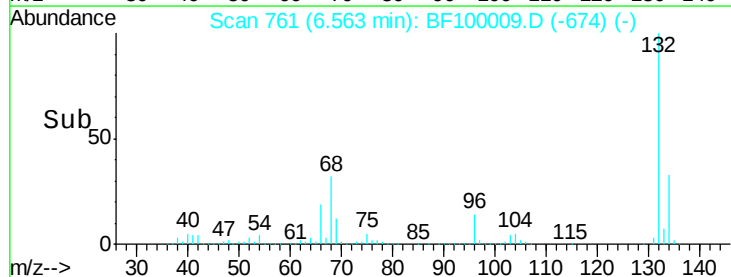
106 88.1 74.5 114.5

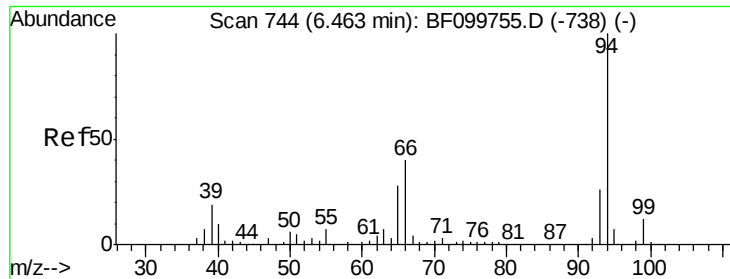


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 4.59 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF100009.D

Acq: 31 Oct 2017 17:59

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-B

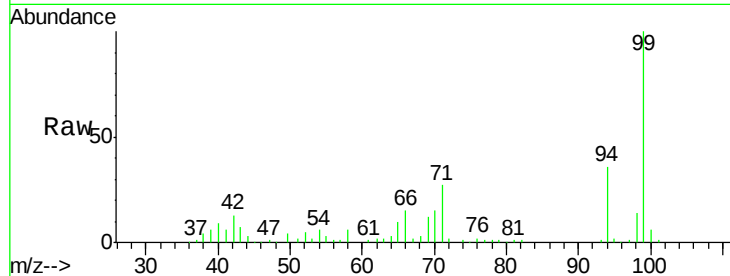
Tgt Ion: 94 Resp: 37221

Ion Ratio Lower Upper

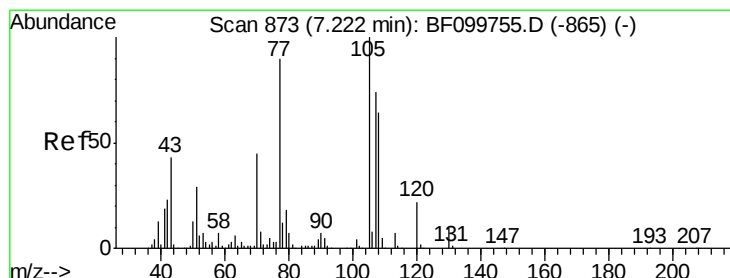
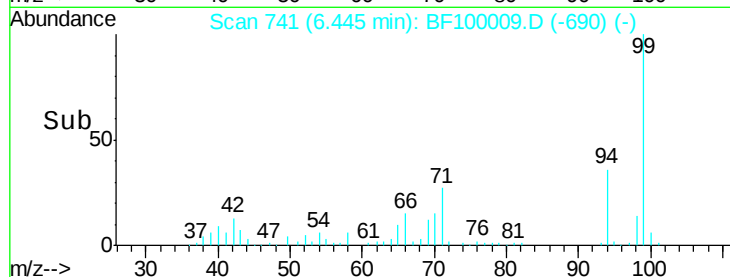
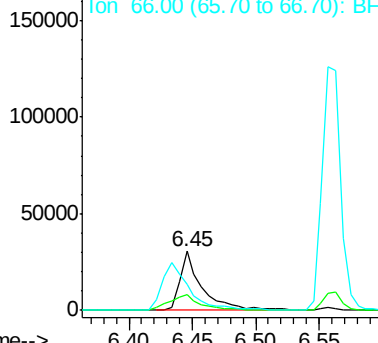
94 100

65 27.3 7.9 47.9

66 43.4 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.77 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF100009.D

Acq: 31 Oct 2017 17:59

Tgt Ion: 70 Resp: 50924

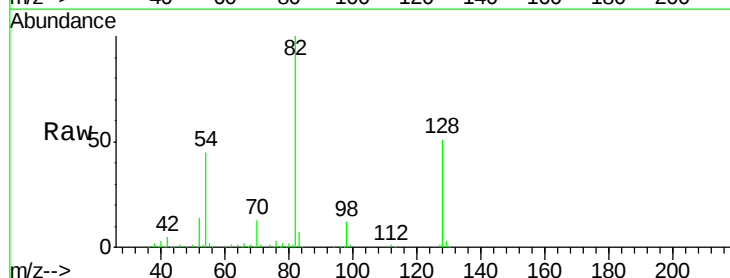
Ion Ratio Lower Upper

70 100

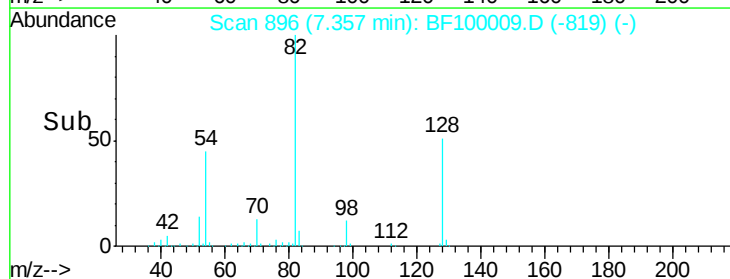
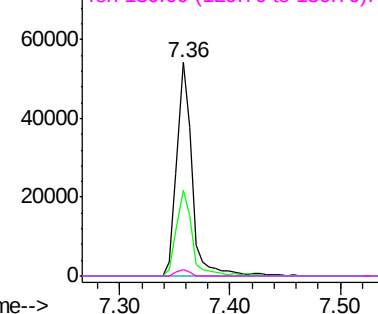
42 40.0 47.5 71.3#

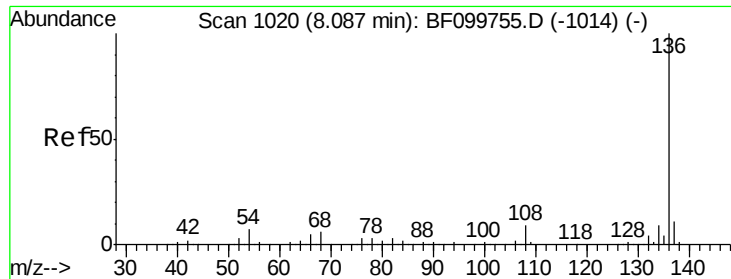
101 0.0 7.4 11.2#

130 3.0 16.6 25.0#



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

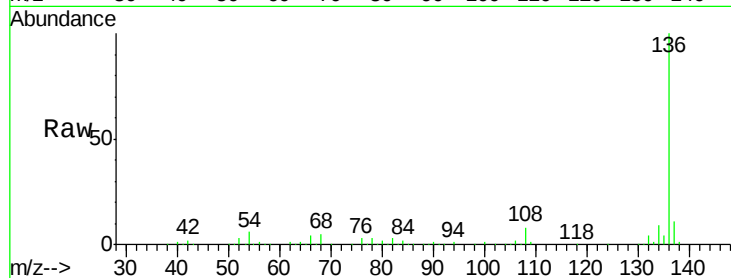




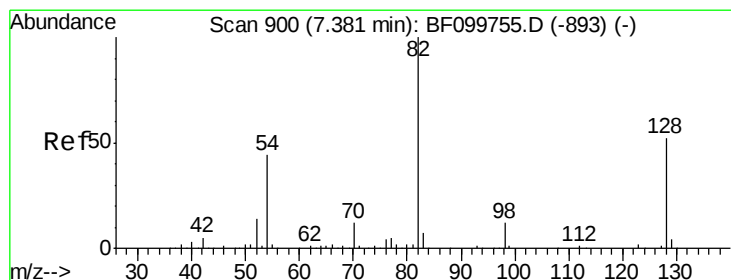
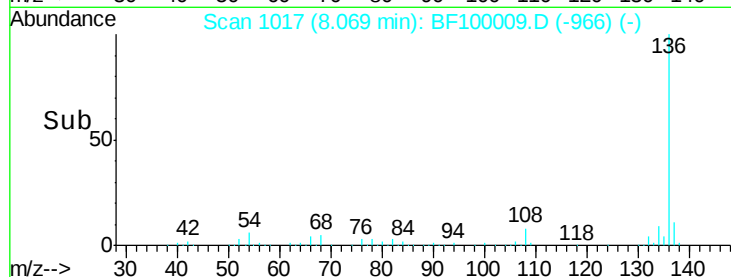
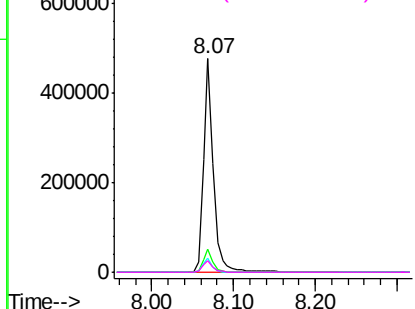
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF100009.D
Acq: 31 Oct 2017 17:59

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-002-B

Tgt Ion:	136	Resp:	406109
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.4	6.6	9.8#
68	5.2	5.0	7.4

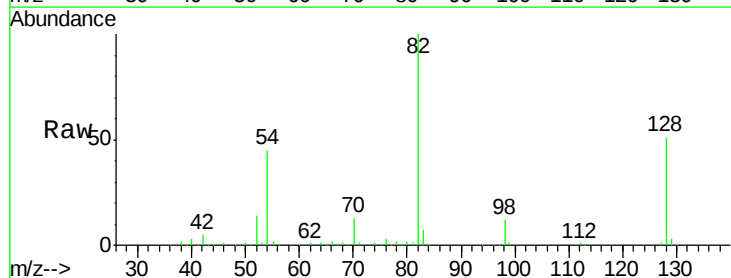


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

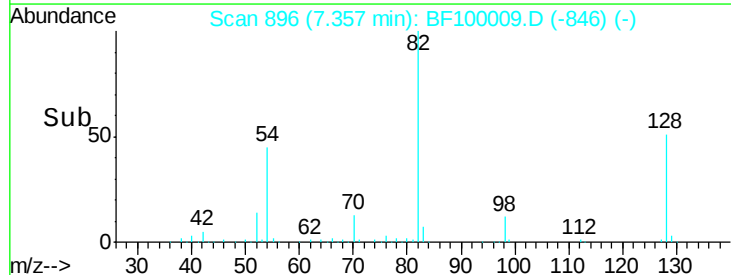
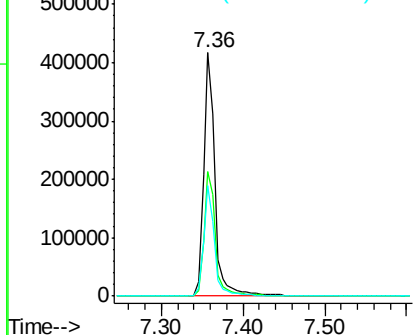


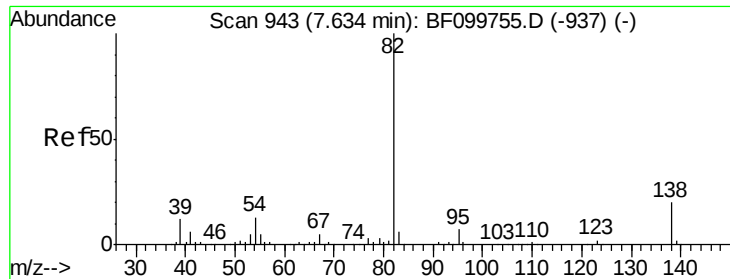
#23
Nitrobenzene-d5
Concen: 64.23 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF100009.D
Acq: 31 Oct 2017 17:59

Tgt Ion:	82	Resp:	405159
Ion	Ratio	Lower	Upper
82	100		
128	51.1	36.1	54.1
54	45.3	41.4	62.2



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: 35.40 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF100009.D

Acq: 31 Oct 2017 17:59

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-B

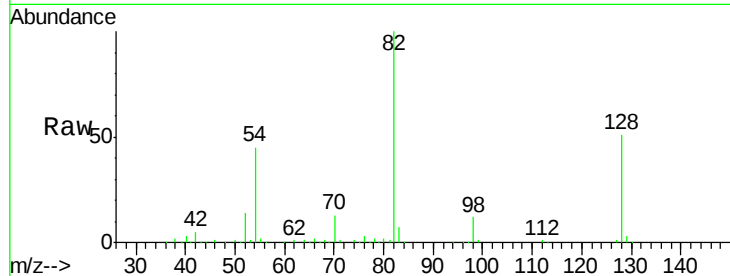
Tgt Ion: 82 Resp: 405159

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

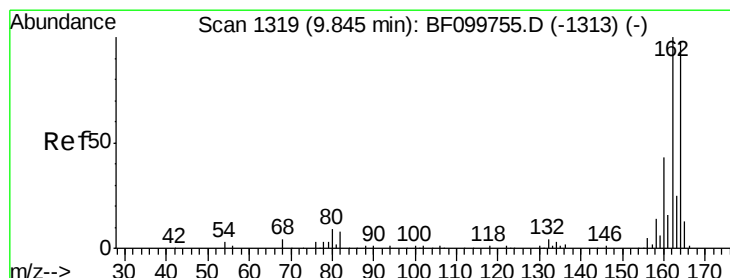
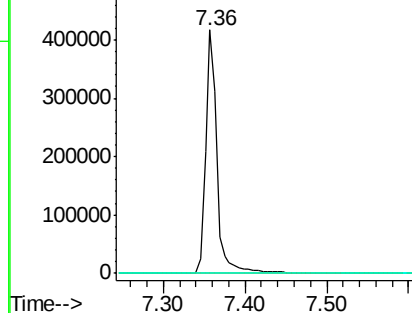
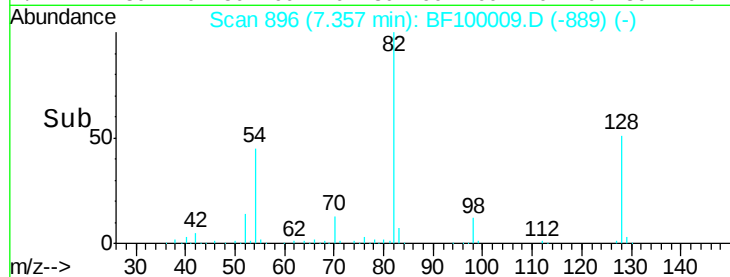
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF100009.D

Acq: 31 Oct 2017 17:59

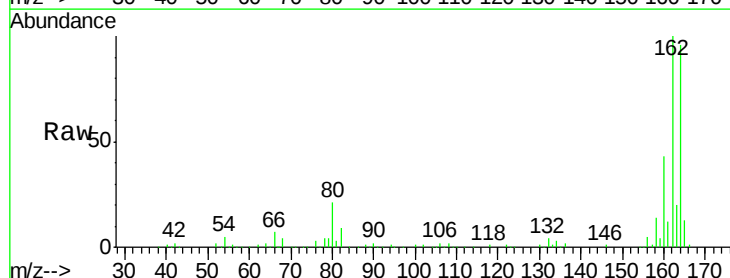
Tgt Ion: 164 Resp: 180093

Ion Ratio Lower Upper

164 100

162 103.7 86.1 129.1

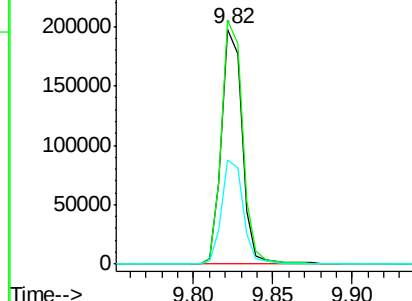
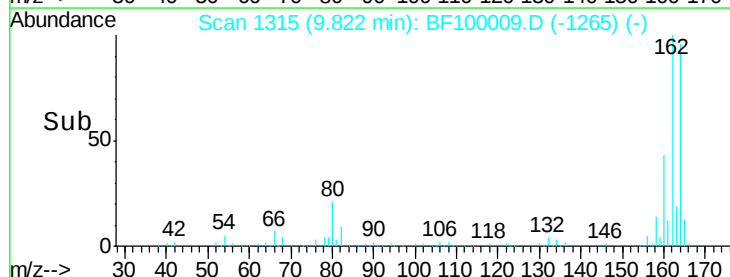
160 44.4 38.3 57.5

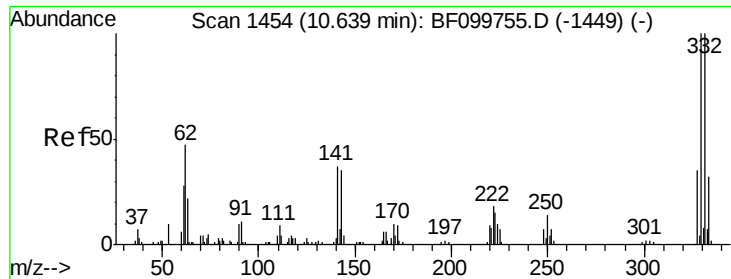


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

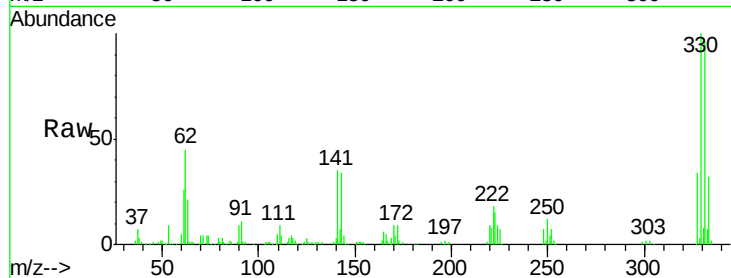




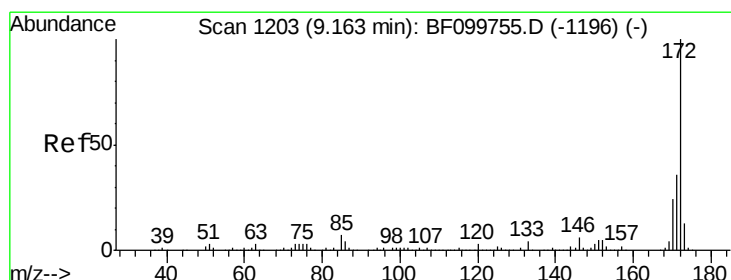
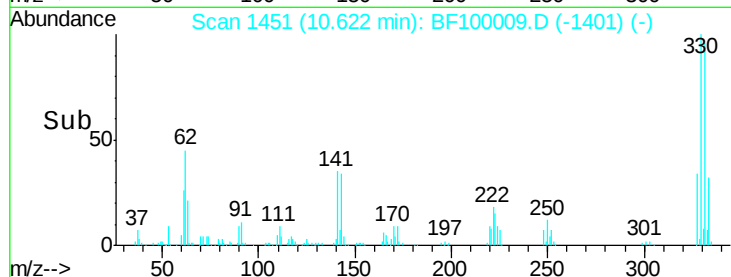
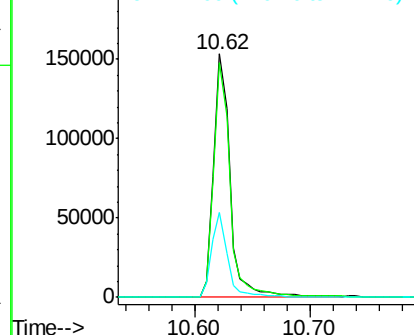
#41
 2,4,6-Tribromophenol
 Concen: 93.46 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF100009.D
 Acq: 31 Oct 2017 17:59

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-002-B

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	34.0	29.9	44.9

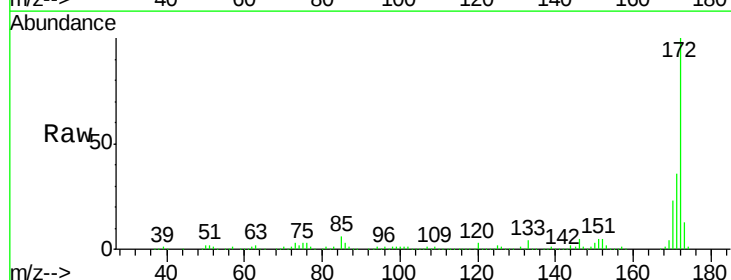


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

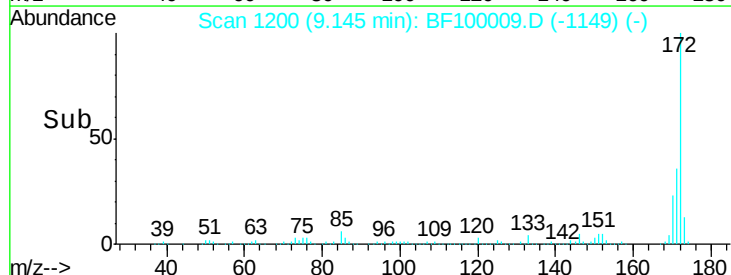
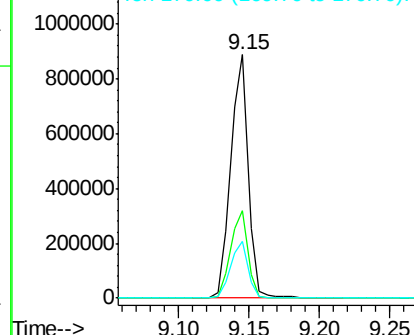


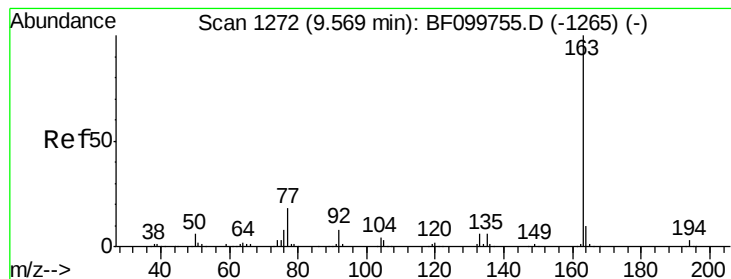
#44
 2-Fluorobiphenyl
 Concen: 65.73 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF100009.D
 Acq: 31 Oct 2017 17:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.4	19.6	29.4



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: 11.00 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF100009.D

Acq: 31 Oct 2017 17:59

Instrument :

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ClientSampleId :

FK-SF-02-002-B

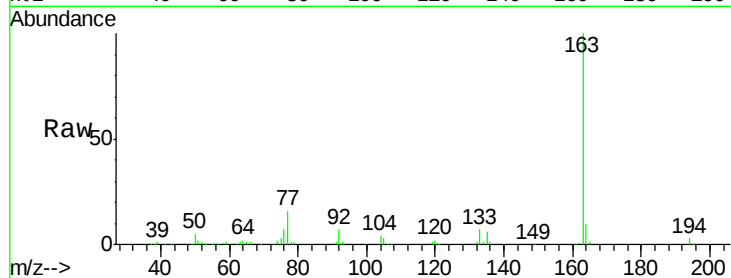
Tgt Ion:163 Resp: 156951

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

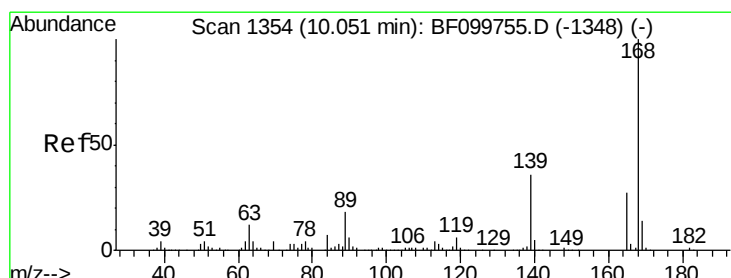
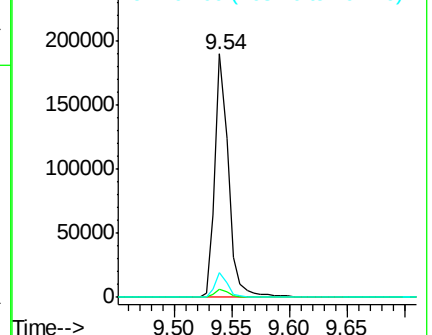
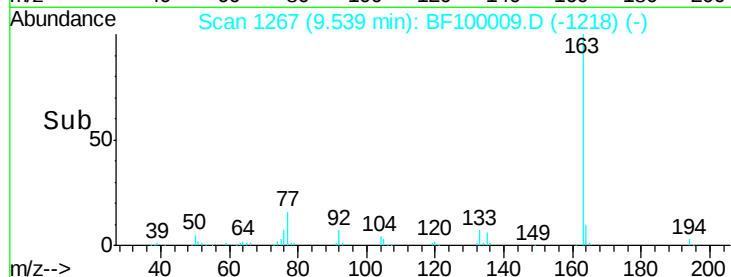
164 10.0 8.2 12.2



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: 6.59 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.22 min

Lab File: BF100009.D

Acq: 31 Oct 2017 17:59

Tgt Ion:165 Resp: 23777

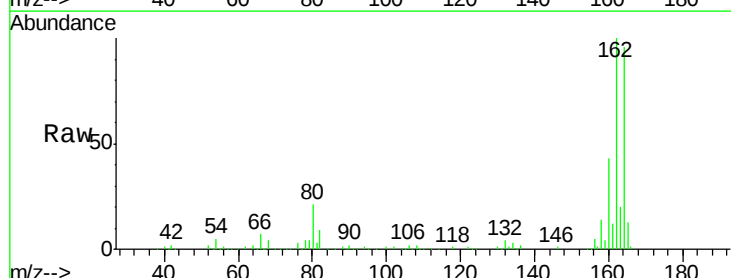
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

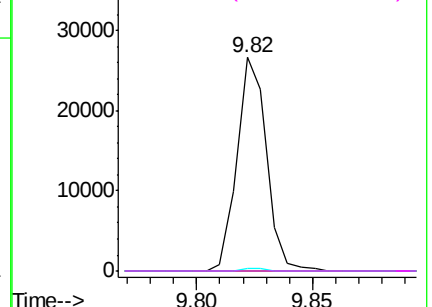
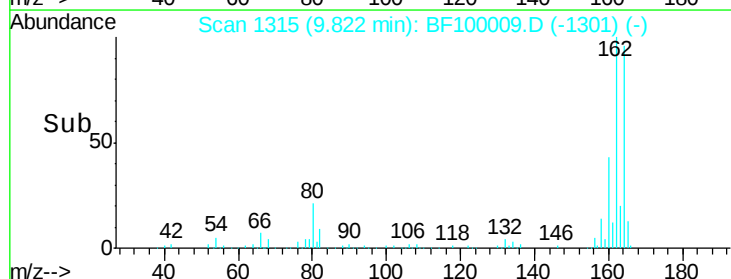


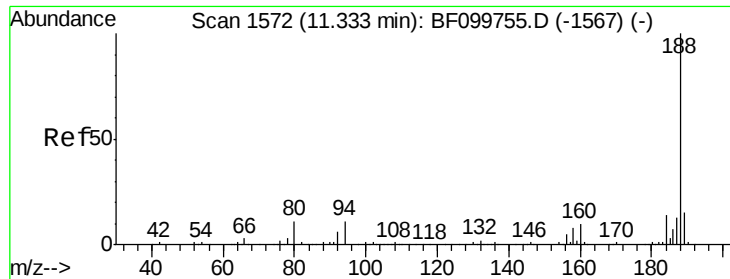
Abundance Ion 165.00 (164.70 to 165.70): E

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

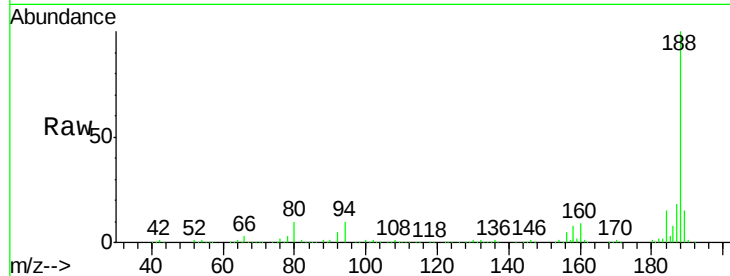




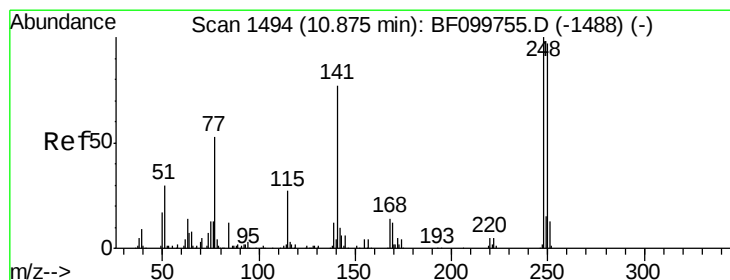
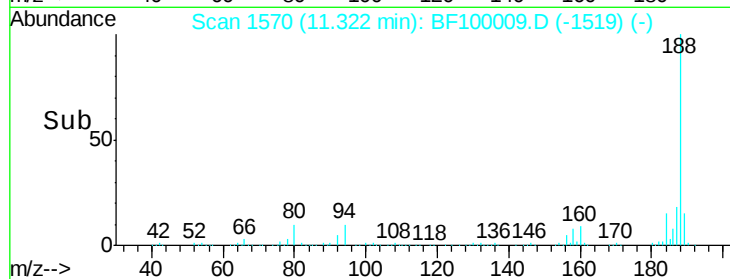
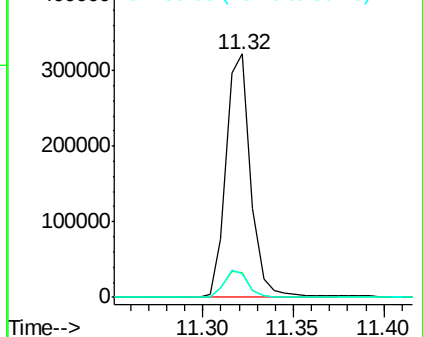
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BF100009.D
Acq: 31 Oct 2017 17:59

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-002-B

Tgt Ion:188 Resp: 306292
Ion Ratio Lower Upper
188 100
94 10.0 8.5 12.7
80 9.9 9.2 13.8

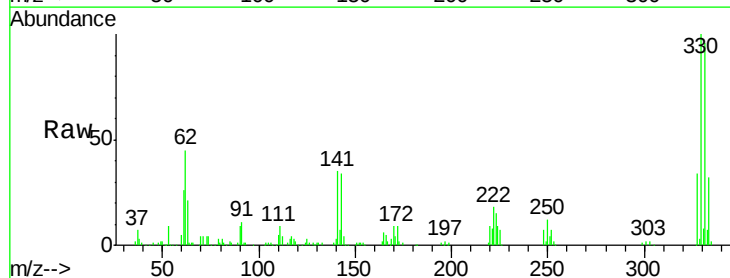


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

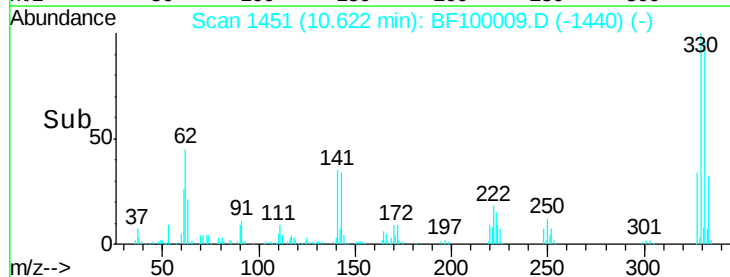
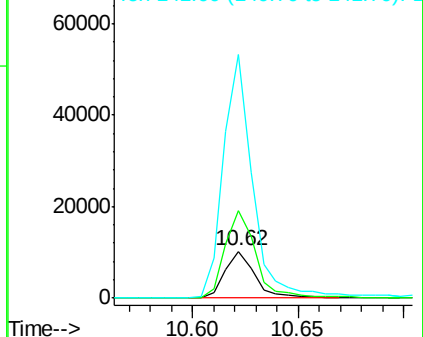


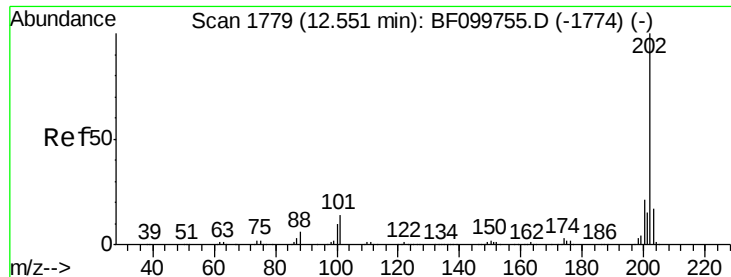
#66
4-Bromophenyl-phenylether
Concen: 3.06 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.24 min
Lab File: BF100009.D
Acq: 31 Oct 2017 17:59

Tgt Ion:248 Resp: 9861
Ion Ratio Lower Upper
248 100
250 186.1 76.9 115.3#
141 518.2 74.4 111.6#



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

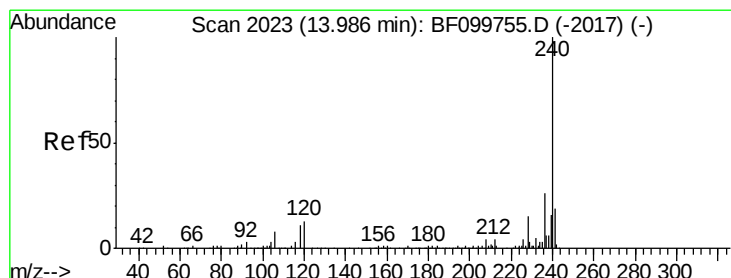
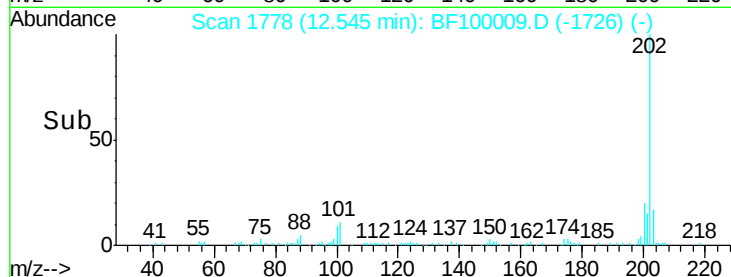
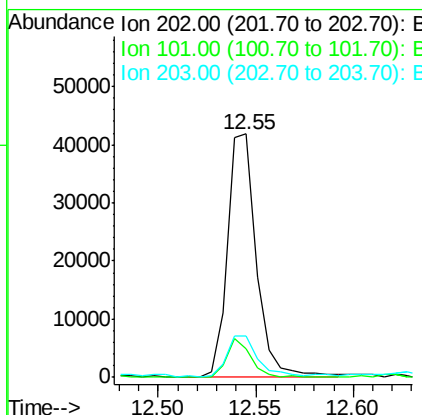
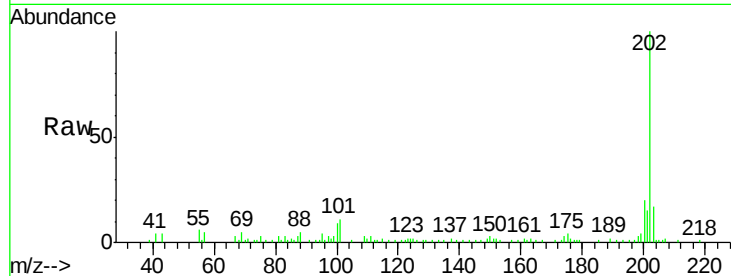




#74
Fluoranthene
Concen: 2.41 ng
RT: 12.55 min Scan# 1778
Delta R.T. 0.01 min
Lab File: BF100009.D
Acq: 31 Oct 2017 17:59

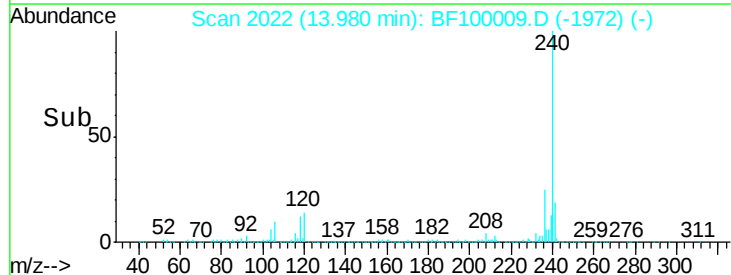
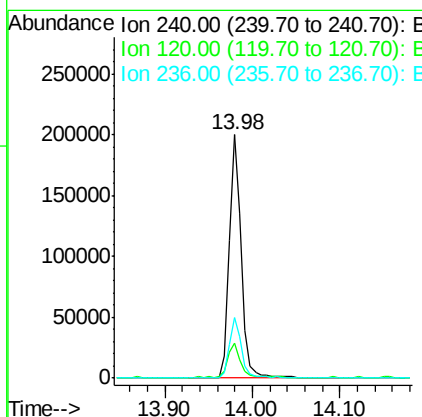
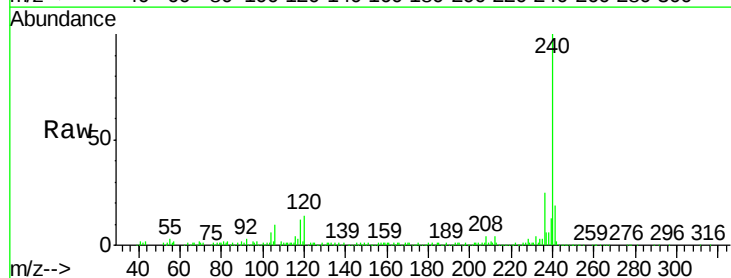
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-002-B

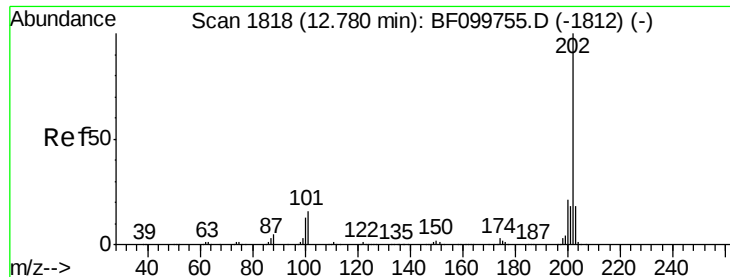
Tgt Ion: 202 Resp: 43242
Ion Ratio Lower Upper
202 100
101 11.5 0.0 34.1
203 17.1 0.0 38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF100009.D
Acq: 31 Oct 2017 17:59

Tgt Ion: 240 Resp: 190509
Ion Ratio Lower Upper
240 100
120 14.2 9.5 14.3
236 25.1 20.7 31.1

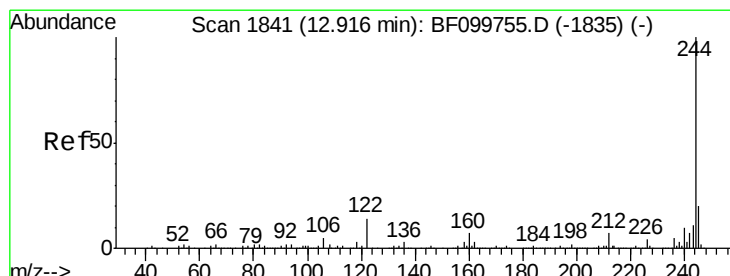
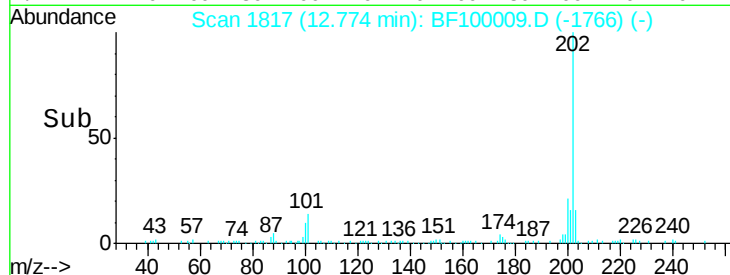
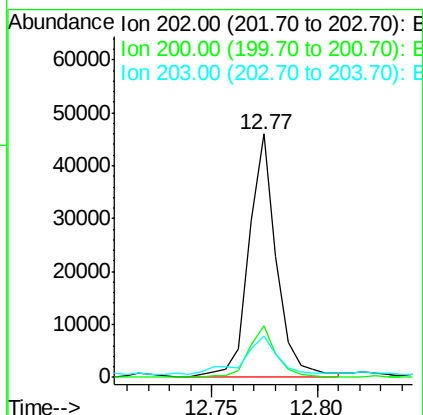
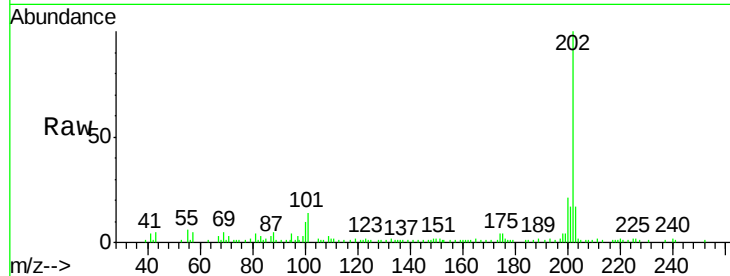




#77
 Pyrene
 Concen: 2.89 ng
 RT: 12.77 min Scan# 1817
 Delta R.T. 0.00 min
 Lab File: BF100009.D
 Acq: 31 Oct 2017 17:59

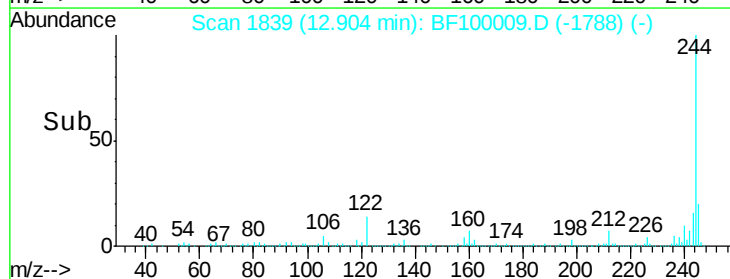
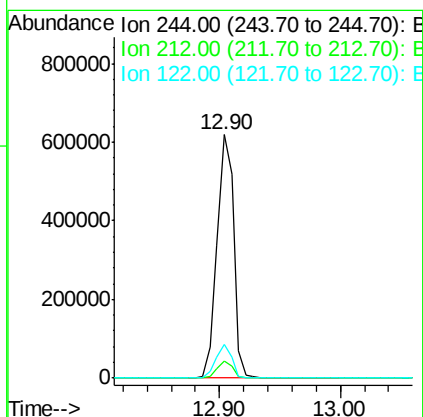
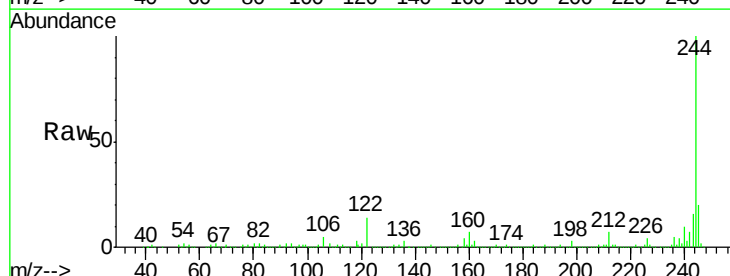
Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-002-B

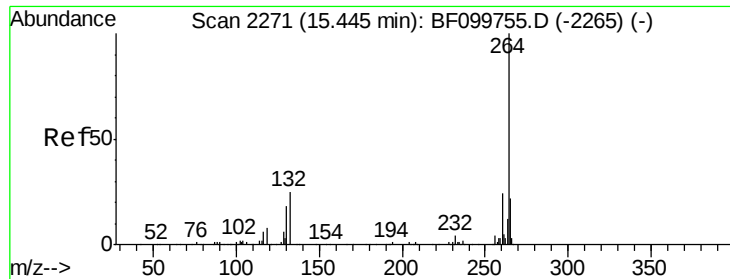
Tgt Ion: 202 Resp: 41906
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.4 26.2
 203 17.2 14.3 21.5



#78
 Terphenyl-d14
 Concen: 66.83 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. 0.00 min
 Lab File: BF100009.D
 Acq: 31 Oct 2017 17:59

Tgt Ion: 244 Resp: 582624
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 14.1 11.0 16.4

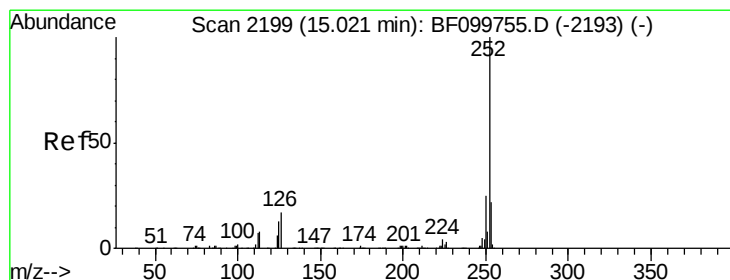
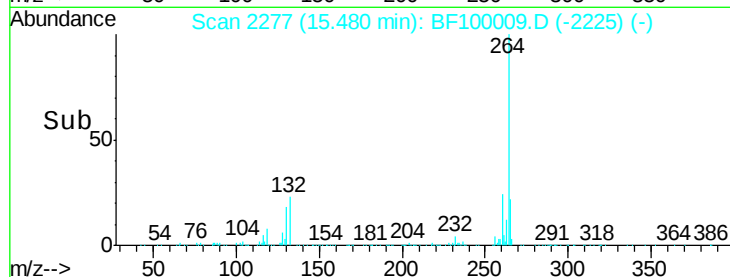
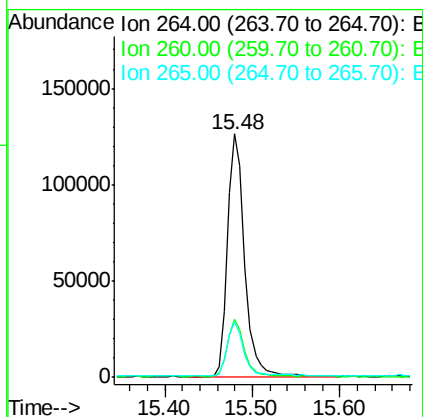
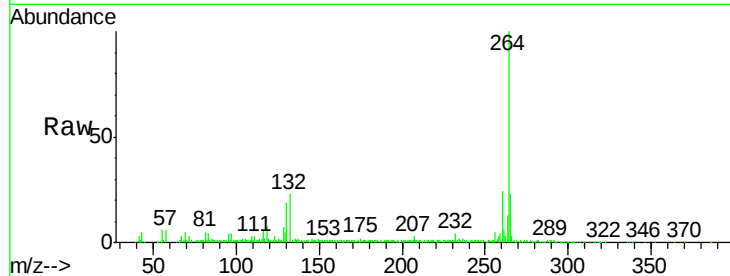




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF100009.D
Acq: 31 Oct 2017 17:59

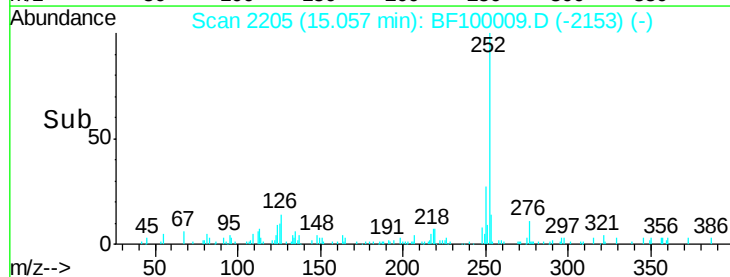
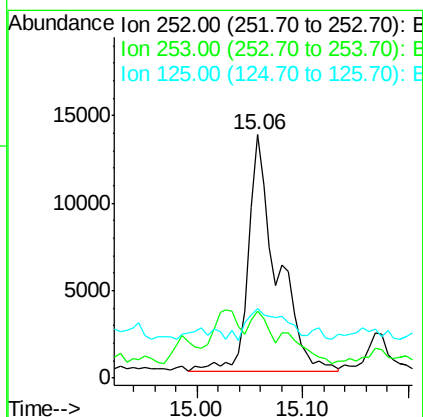
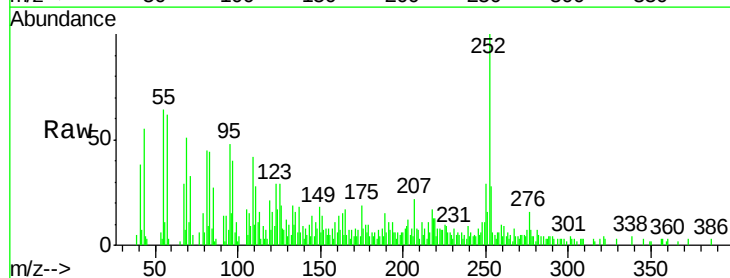
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-002-B

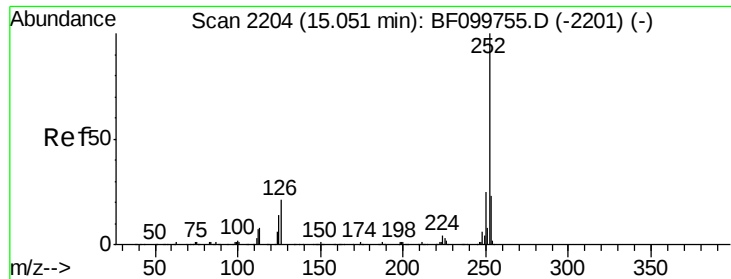
Tgt Ion:264 Resp: 170368
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 22.6 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 2.38 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF100009.D
Acq: 31 Oct 2017 17:59

Tgt Ion:252 Resp: 25582
Ion Ratio Lower Upper
252 100
253 27.6 17.0 25.6#
125 28.8 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 2.52 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BF100009.D

Acq: 31 Oct 2017 17:59

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-002-B

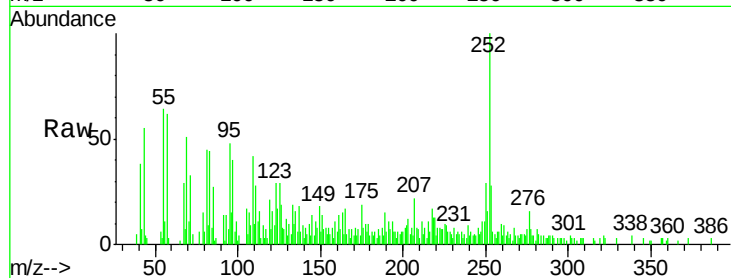
Tgt Ion: 252 Resp: 25582

Ion Ratio Lower Upper

252 100

253 27.6 17.9 26.9#

125 28.8 10.2 15.2#



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

