

Data Path : Z:\HPCHEM1\BNA_F\Data\BF062017\
 Data File : BF096049.D
 Acq On : 20 Jun 2017 17:31
 Operator : SJ/MA
 Sample : I3697-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-001-A

Quant Time: Jun 20 18:00:23 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	74332	20.00	ng	0.00
21) Naphthalene-d8	9.32	136	296018	20.00	ng	0.00
38) Acenaphthene-d10	12.14	164	116875	20.00	ng	0.00
63) Phenanthrene-d10	14.54	188	177739	20.00	ng	0.00
75) Chrysene-d12	18.27	240	150039	20.00	ng	0.00
86) Perylene-d12	19.94	264	116149	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	27340	5.86	ng	0.08
7) Phenol-d6	6.92	99	66037	11.82	ng	0.04
23) Nitrobenzene-d5	8.23	82	37101	7.78	ng	0.01
41) 2,4,6-Tribromophenol	13.49	330	1144	1.11	ng	0.04
44) 2-Fluorobiphenyl	11.10	172	84250	10.03	ng	0.00
78) Terphenyl-d14	16.92	244	52827	8.74	ng	-0.01

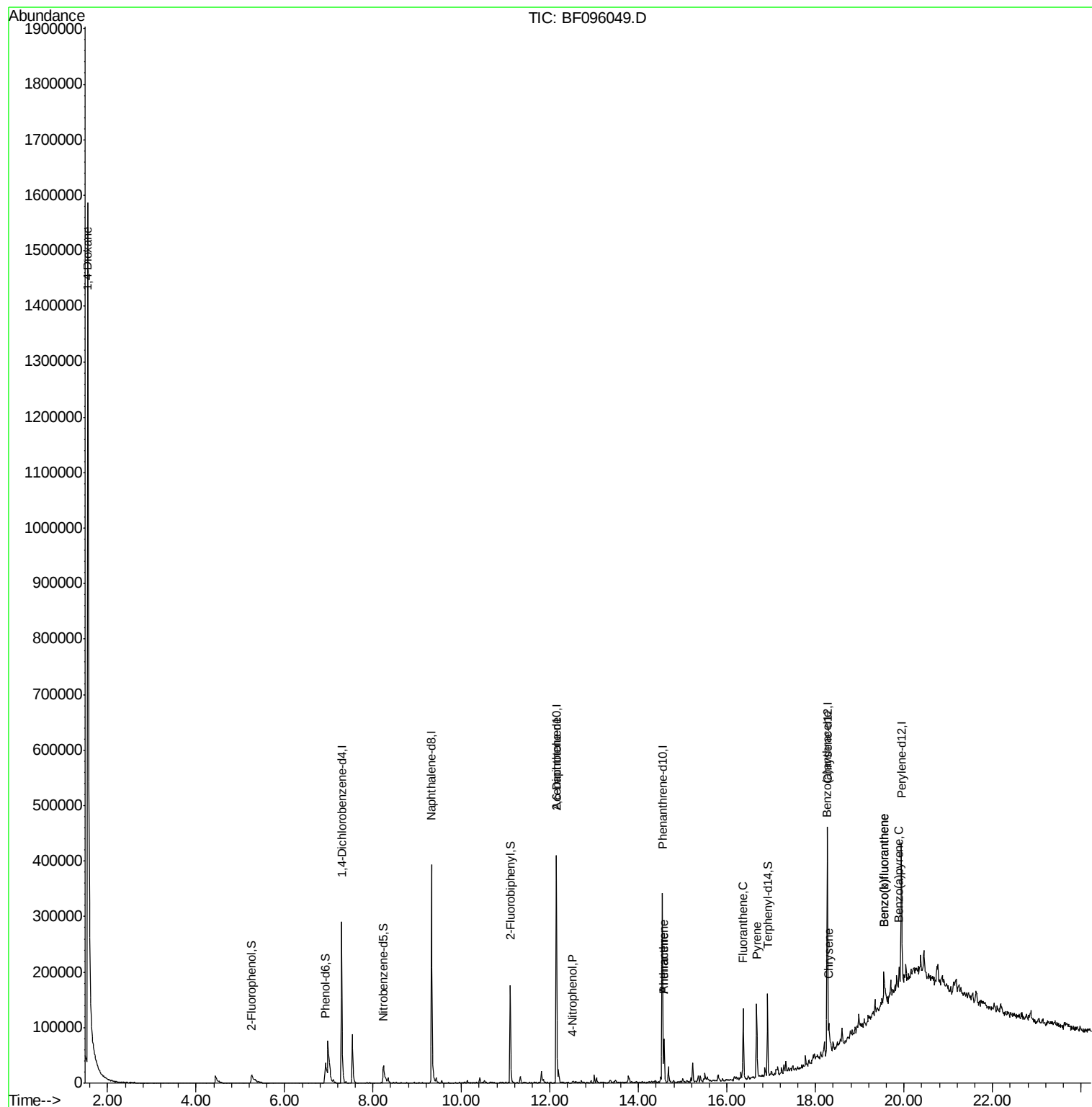
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.55	88	78559	35.400	ng	# 22
50) 2,6-Dinitrotoluene	12.14	165	14705	7.597	ng	# 31
55) 4-Nitrophenol	12.51	139	1276	5.540	ng	# 25
70) Phenanthrene	14.57	178	52127	5.083	ng	95
71) Anthracene	14.57	178	52127	4.869	ng	96
74) Fluoranthene	16.37	202	71102	7.005	ng	96
77) Pyrene	16.67	202	60843	5.435	ng	# 94
80) Benzo(a)anthracene	18.26	228	29459	3.377	ng	96
82) Chrysene	18.30	228	28838	3.308	ng	97
87) Benzo(b)fluoranthene	19.54	252	35919	4.939	ng	# 91
88) Benzo(k)fluoranthene	19.54	252	35919	5.167	ng	# 94
89) Benzo(a)pyrene	19.89	252	17075	2.554	ng	# 88

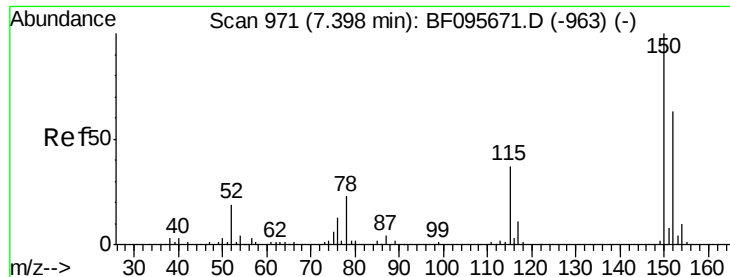
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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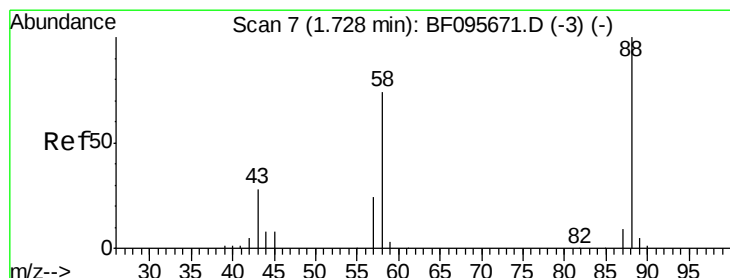
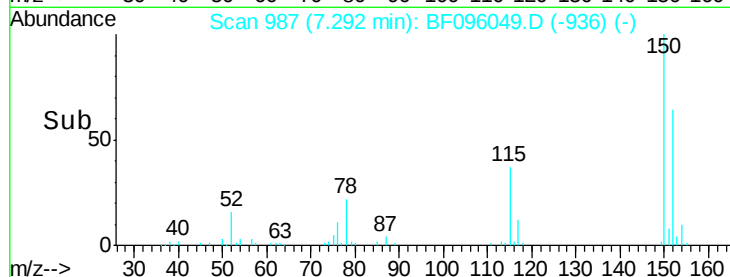
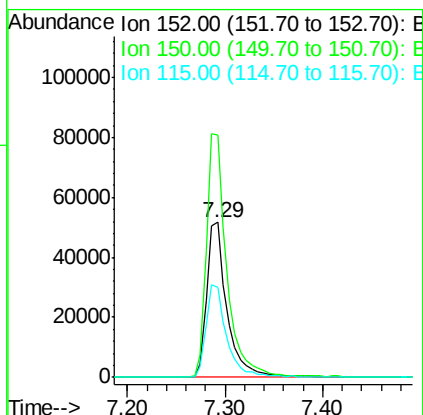
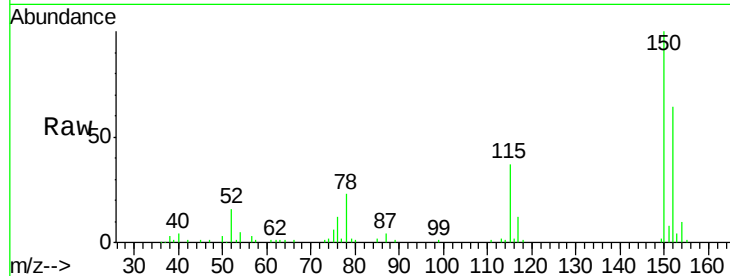


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.29 min Scan# 987
Delta R.T. -0.00 min
Lab File: BF096049.D
Acq: 20 Jun 2017 17:31

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-001-A

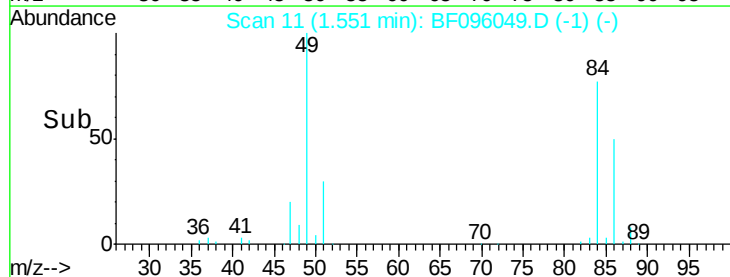
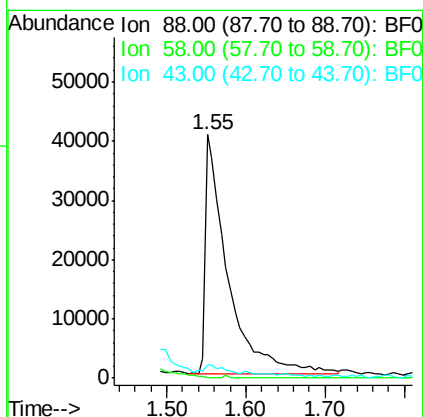
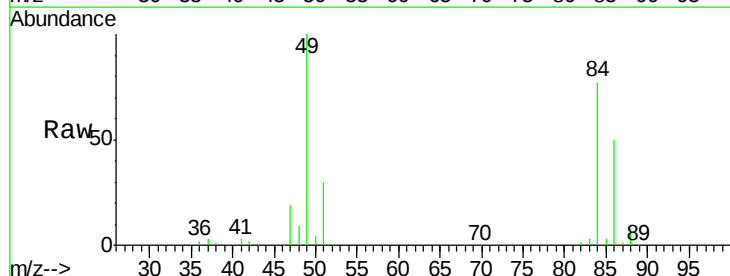
Tgt Ion:152 Resp: 74332
Ion Ratio Lower Upper
152 100
150 156.1 126.2 189.2
115 57.8 52.2 78.2

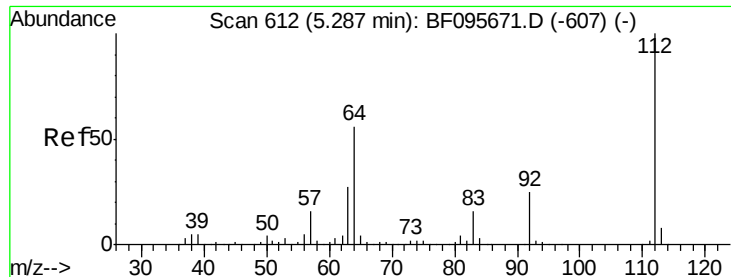


#2

1,4-Dioxane
Concen: 35.400 ng
RT: 1.55 min Scan# 11
Delta R.T. -0.06 min
Lab File: BF096049.D
Acq: 20 Jun 2017 17:31

Tgt Ion: 88 Resp: 78559
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 3.0 23.4 35.0#





#5

2-Fluorophenol

Concen: 5.861 ng

RT: 5.26 min Scan# 641

Delta R.T. 0.08 min

Lab File: BF096049.D

Acq: 20 Jun 2017 17:31

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-001-A

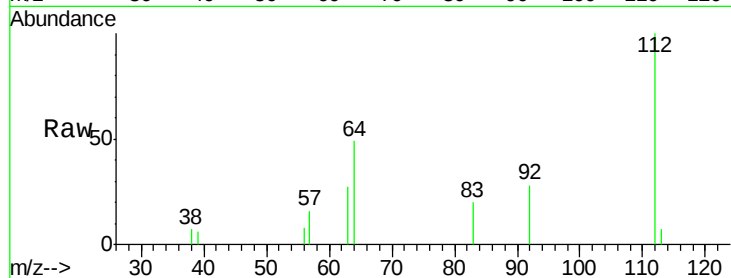
Tgt Ion: 112 Resp: 27340

Ion Ratio Lower Upper

112 100

64 49.1 46.0 69.0

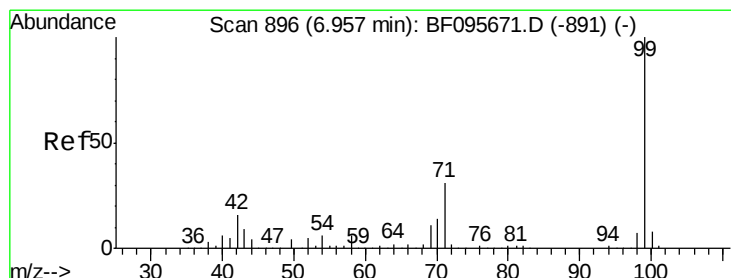
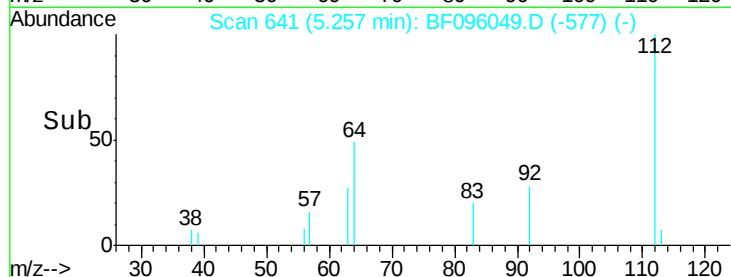
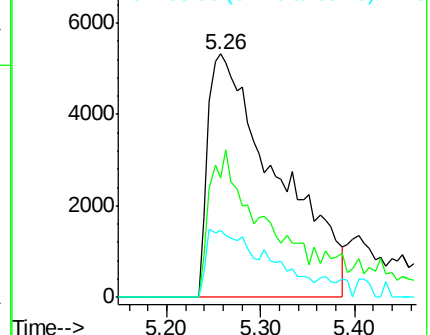
63 27.4 23.4 35.0



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: 11.825 ng

RT: 6.92 min Scan# 923

Delta R.T. 0.04 min

Lab File: BF096049.D

Acq: 20 Jun 2017 17:31

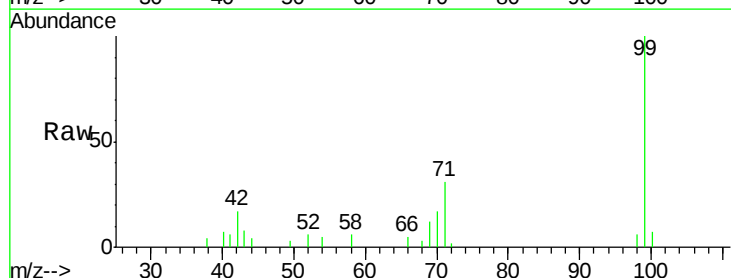
Tgt Ion: 99 Resp: 66037

Ion Ratio Lower Upper

99 100

42 17.2 13.5 20.3

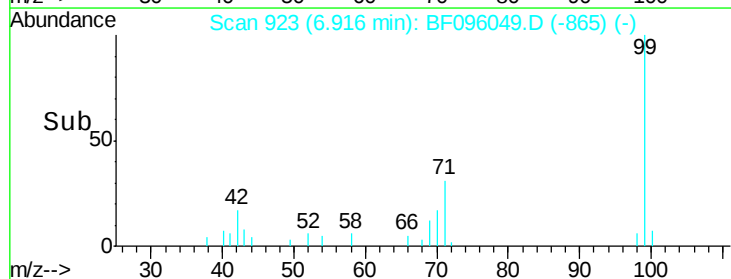
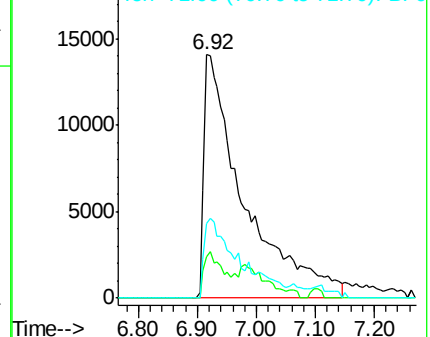
71 30.8 24.5 36.7

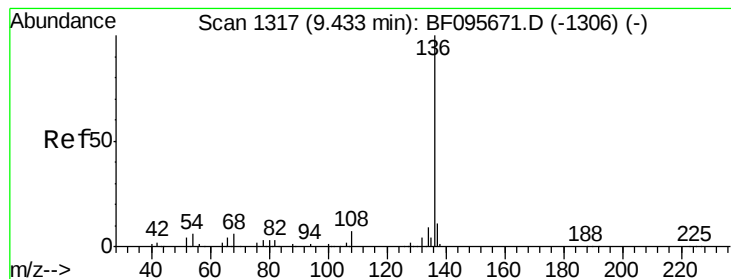


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 9.32 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF096049.D

Acq: 20 Jun 2017 17:31

Instrument :

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ClientSampleId :

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Tgt Ion:136 Resp: 296018

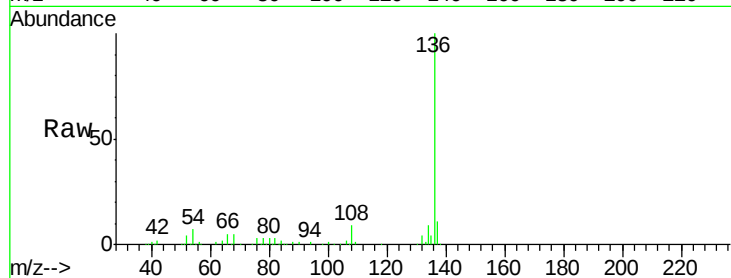
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 7.0 4.9 7.3

68 5.5 4.1 6.1

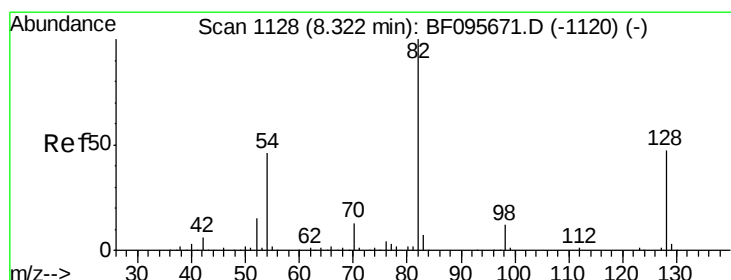
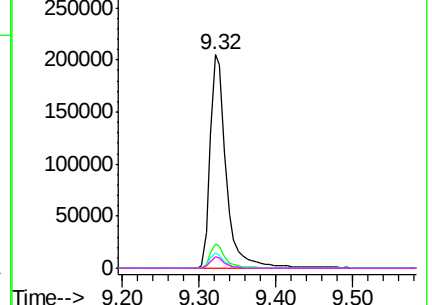
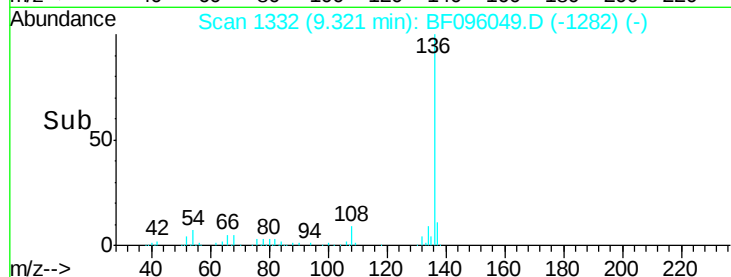


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 7.784 ng

RT: 8.23 min Scan# 1147

Delta R.T. 0.01 min

Lab File: BF096049.D

Acq: 20 Jun 2017 17:31

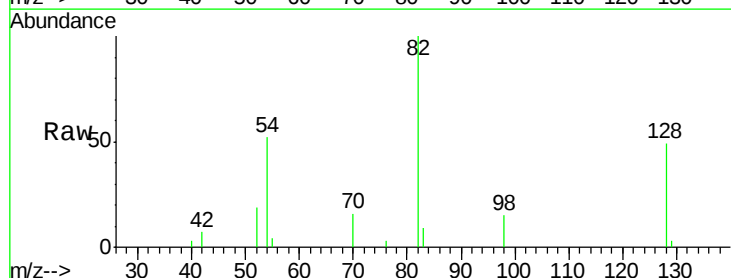
Tgt Ion: 82 Resp: 37101

Ion Ratio Lower Upper

82 100

128 49.2 34.0 51.0

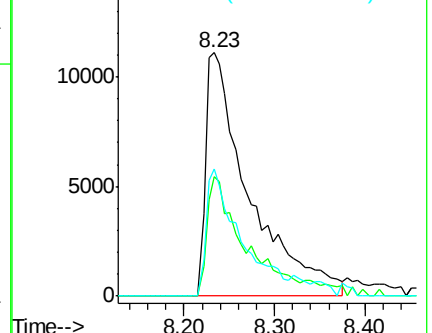
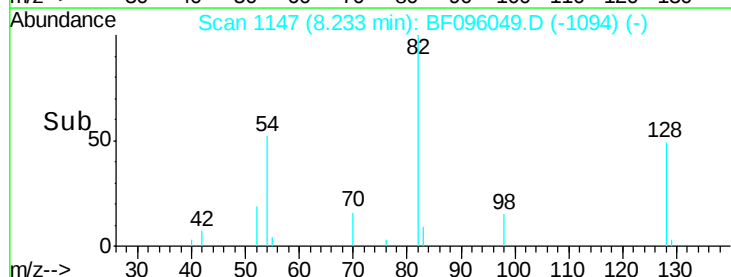
54 52.0 42.2 63.2

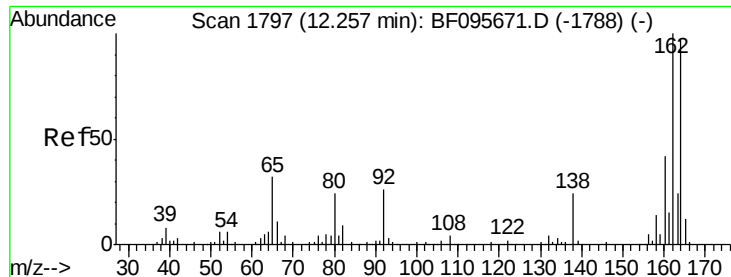


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 12.14 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF096049.D

Acq: 20 Jun 2017 17:31

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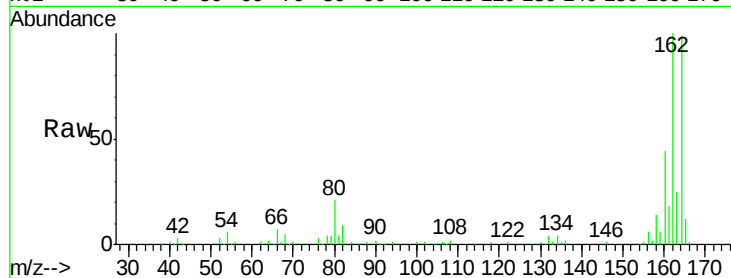
Tgt Ion:164 Resp: 116875

Ion Ratio Lower Upper

164 100

162 100.9 82.6 123.8

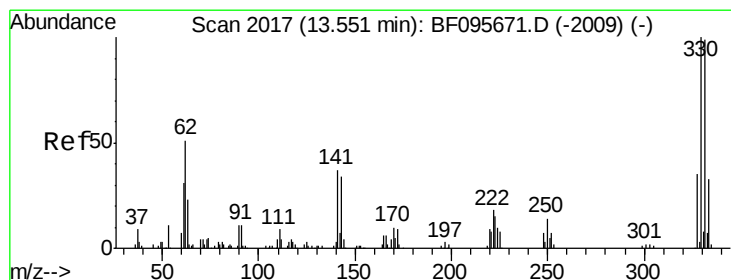
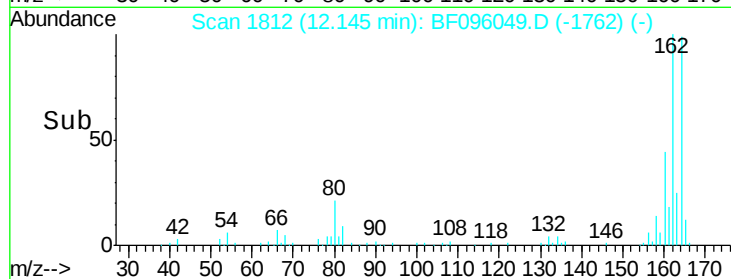
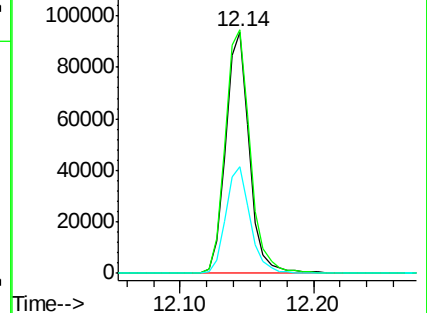
160 44.1 36.2 54.2



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: 1.106 ng

RT: 13.49 min Scan# 2040

Delta R.T. 0.04 min

Lab File: BF096049.D

Acq: 20 Jun 2017 17:31

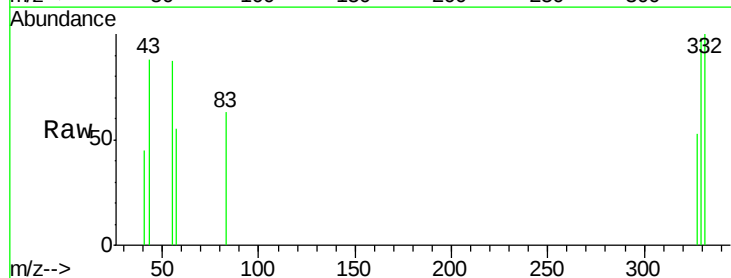
Tgt Ion:330 Resp: 1144

Ion Ratio Lower Upper

330 100

332 105.3 76.6 115.0

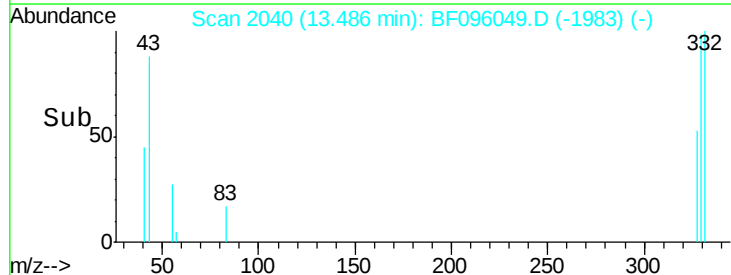
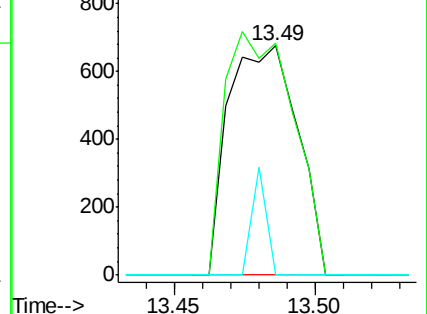
141 9.8 31.4 47.2#

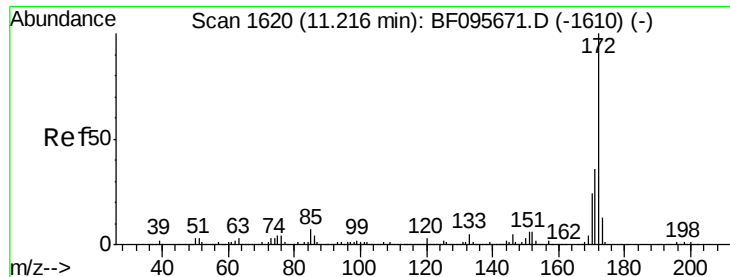


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

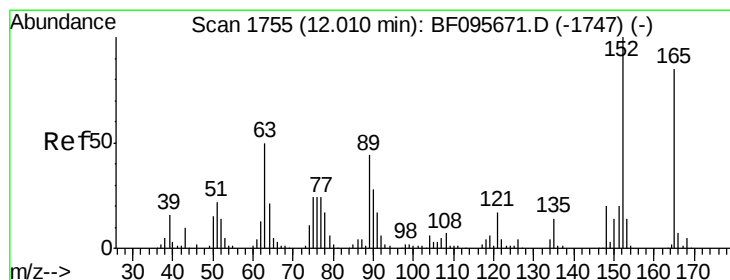
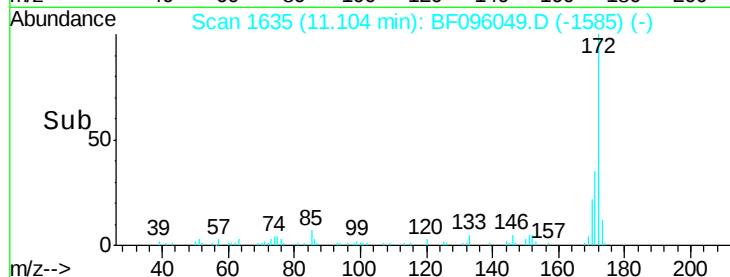
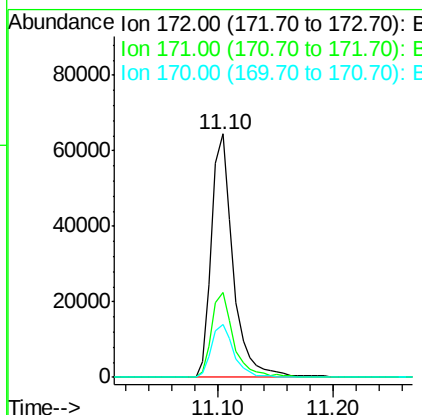
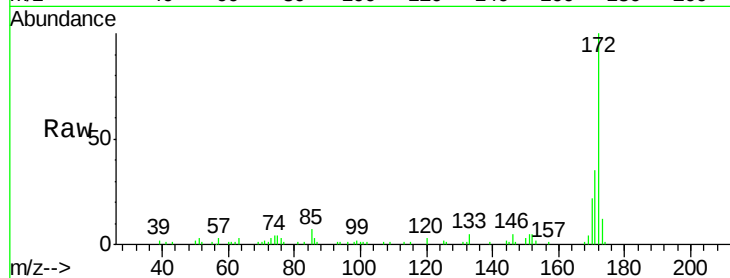




#44
 2-Fluorobiphenyl
 Concen: 10.031 ng
 RT: 11.10 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF096049.D
 Acq: 20 Jun 2017 17:31

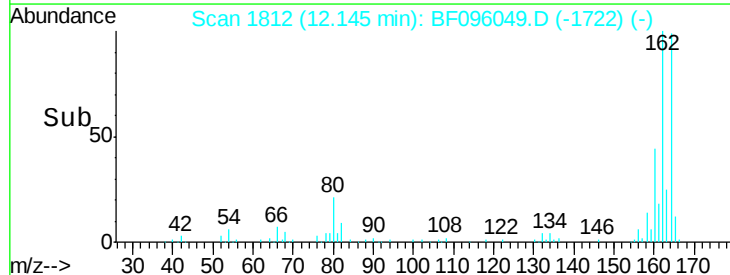
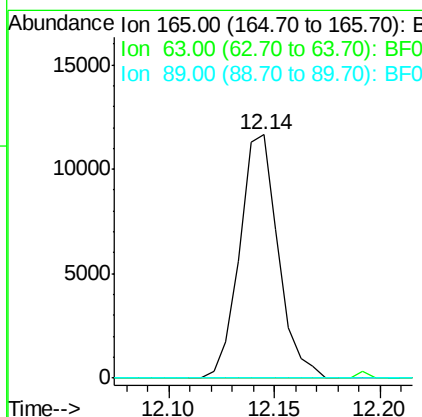
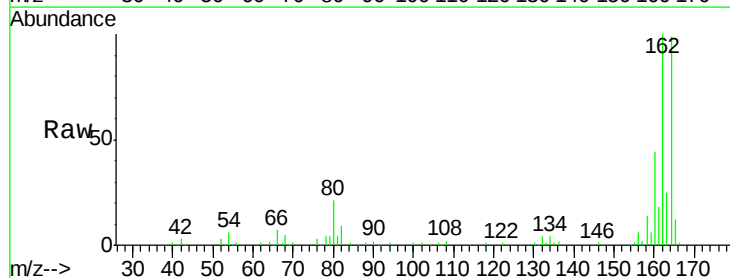
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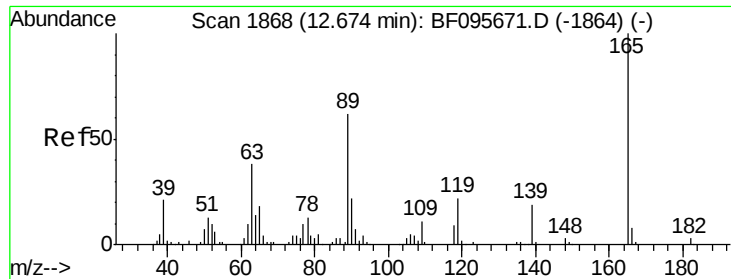
Tgt Ion:172 Resp: 84250
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.6 44.4
 170 22.0 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 7.597 ng
 RT: 12.14 min Scan# 1812
 Delta R.T. 0.23 min
 Lab File: BF096049.D
 Acq: 20 Jun 2017 17:31

Tgt Ion:165 Resp: 14705
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 0.0 37.1 55.7#

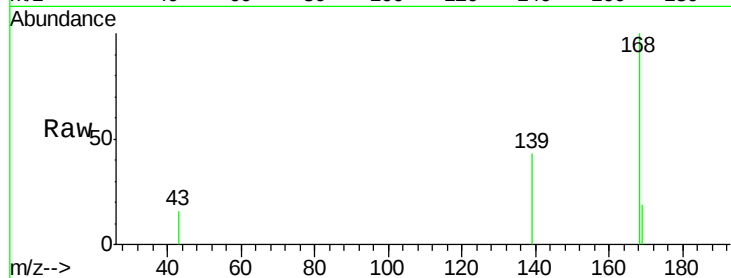




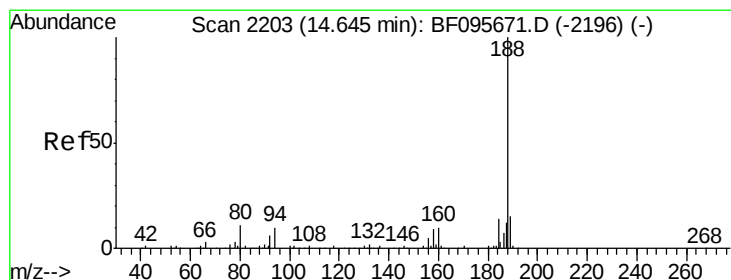
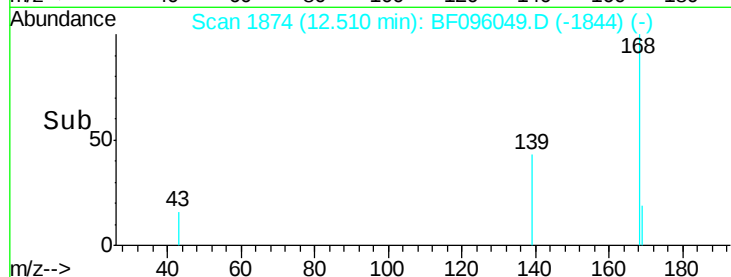
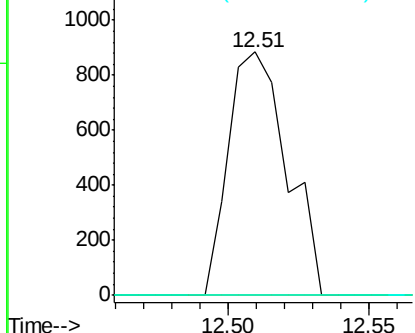
#55
4-Nitrophenol
Concen: 5.540 ng
RT: 12.51 min Scan# 1874
Delta R.T. -0.12 min
Lab File: BF096049.D
Acq: 20 Jun 2017 17:31

Instrument :
BNA_F
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Tgt Ion:139 Resp: 1276
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

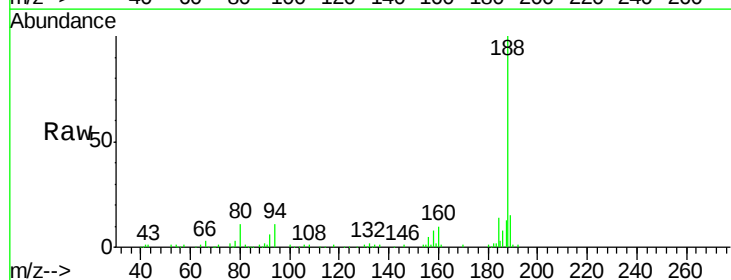


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

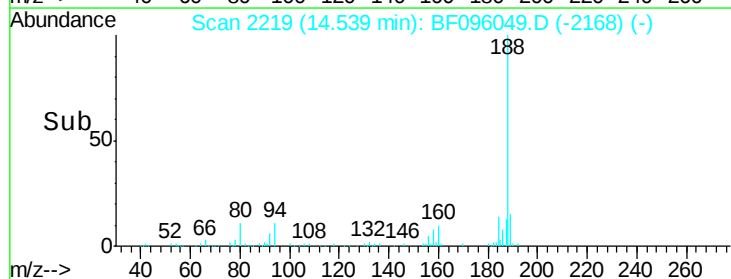
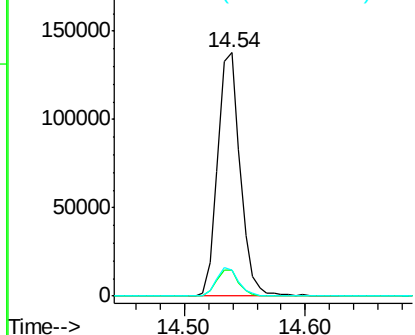


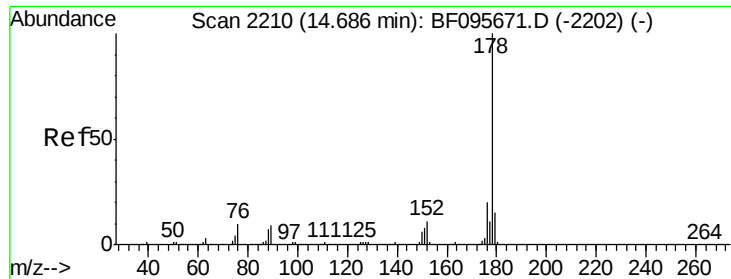
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.54 min Scan# 2219
Delta R.T. -0.00 min
Lab File: BF096049.D
Acq: 20 Jun 2017 17:31

Tgt Ion:188 Resp: 177739
Ion Ratio Lower Upper
188 100
94 10.6 9.4 14.2
80 10.6 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





#70

Phenanthrene

Concen: 5.083 ng

RT: 14.57 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BF096049.D

Acq: 20 Jun 2017 17:31

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-001-A

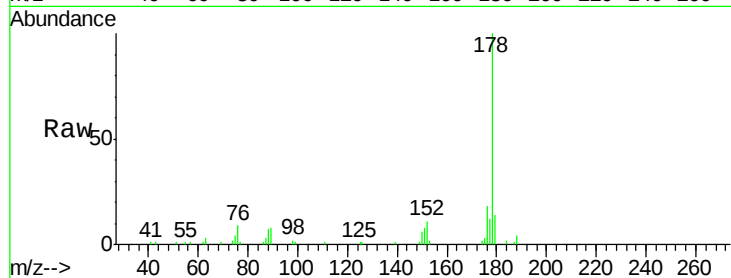
Tgt Ion:178 Resp: 52127

Ion Ratio Lower Upper

178 100

176 17.8 16.2 24.4

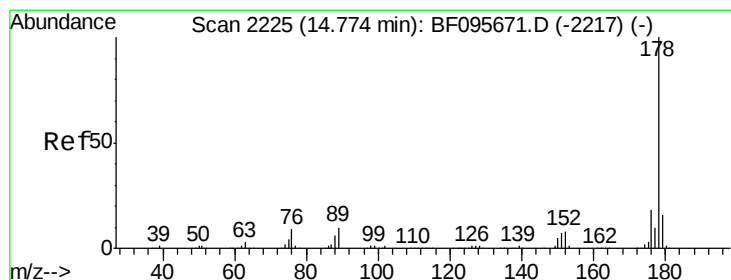
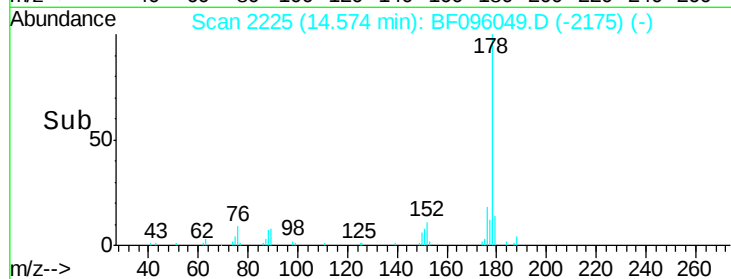
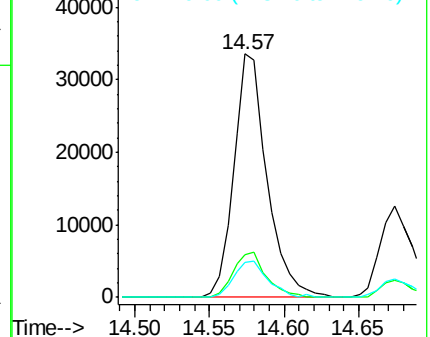
179 14.4 12.6 19.0



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



#71

Anthracene

Concen: 4.869 ng

RT: 14.57 min Scan# 2225

Delta R.T. -0.09 min

Lab File: BF096049.D

Acq: 20 Jun 2017 17:31

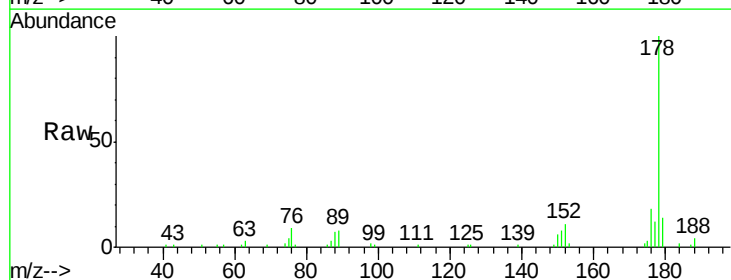
Tgt Ion:178 Resp: 52127

Ion Ratio Lower Upper

178 100

176 17.8 15.8 23.8

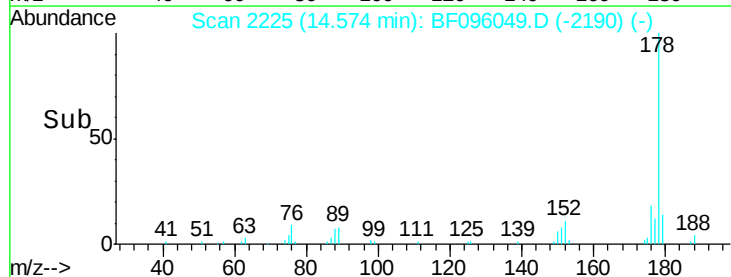
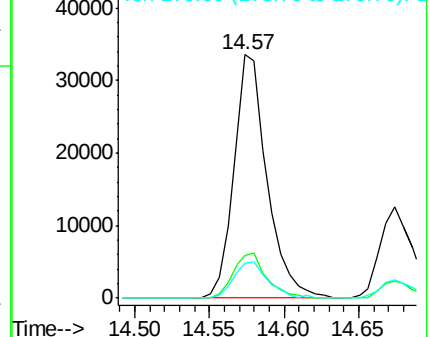
179 14.4 12.7 19.1

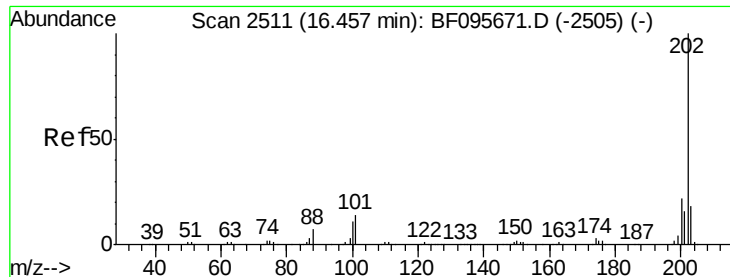


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

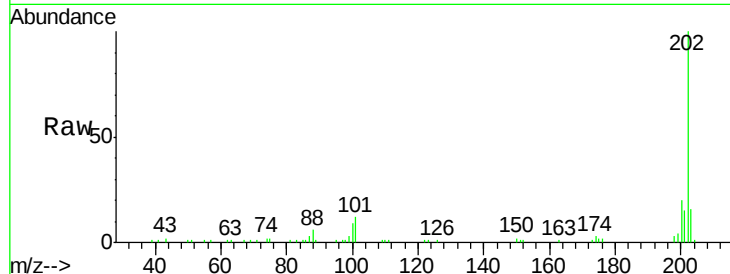




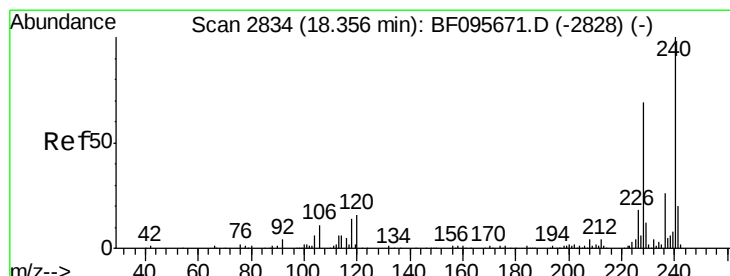
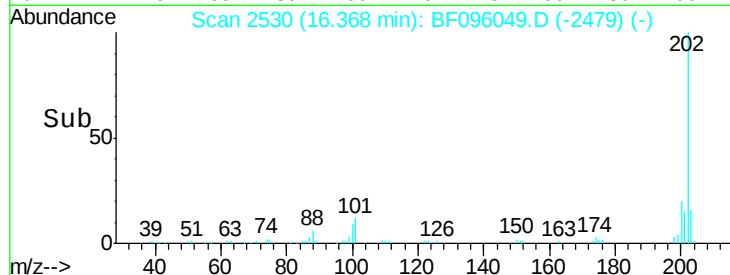
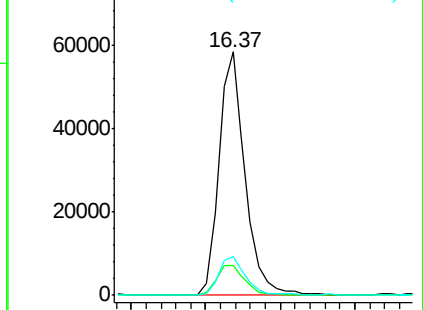
#74
 Fluoranthene
 Concen: 7.005 ng
 RT: 16.37 min Scan# 2530
 Delta R.T. -0.00 min
 Lab File: BF096049.D
 Acq: 20 Jun 2017 17:31

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-02-001-A

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	33.2
203	16.2	0.0	38.1

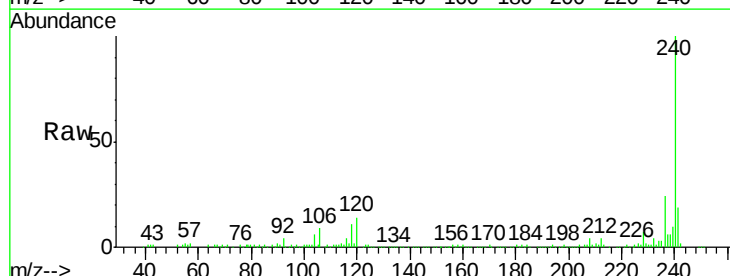


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

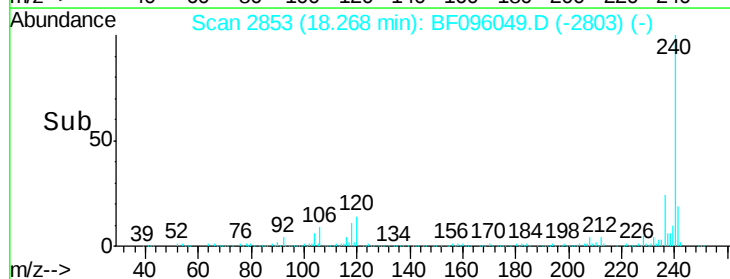
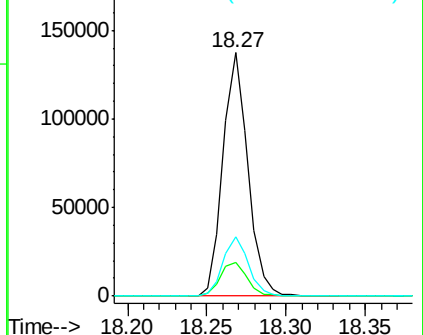


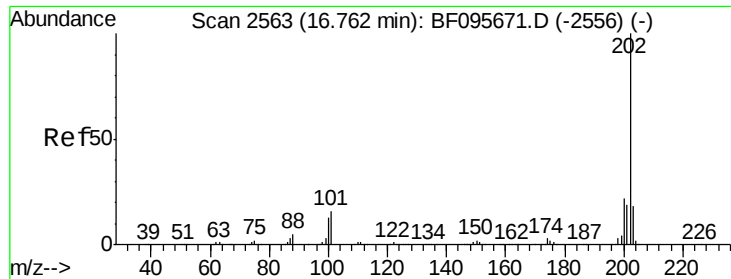
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 18.27 min Scan# 2853
 Delta R.T. -0.01 min
 Lab File: BF096049.D
 Acq: 20 Jun 2017 17:31

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.8	5.8	8.8#
236	24.5	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: 5.435 ng

RT: 16.67 min Scan# 2581

Delta R.T. -0.00 min

Lab File: BF096049.D

Acq: 20 Jun 2017 17:31

Instrument :

BNA_F

ClientSampleId :

FK-SF-02-001-A

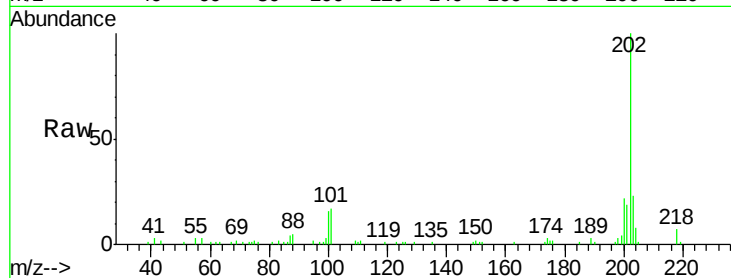
Tgt Ion: 202 Resp: 60843

Ion Ratio Lower Upper

202 100

200 22.1 17.6 26.4

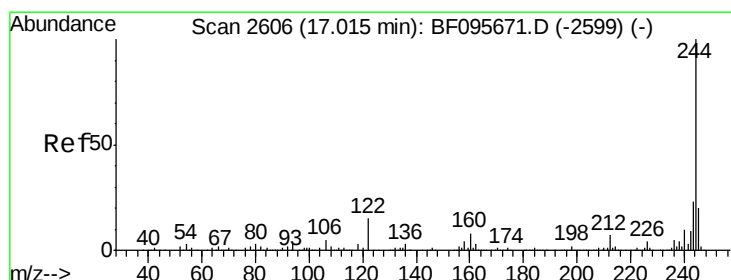
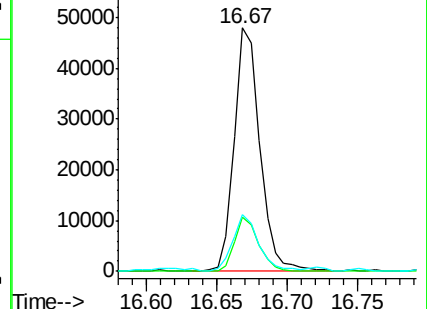
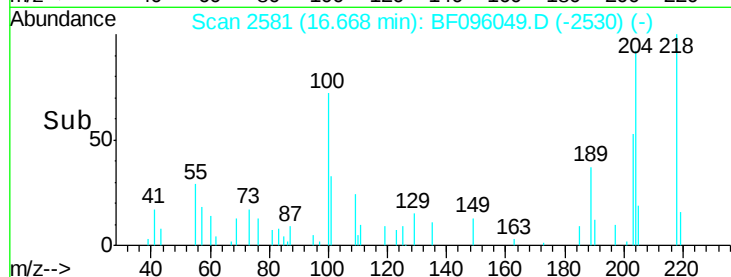
203 23.3 14.4 21.6#



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: 8.738 ng

RT: 16.92 min Scan# 2623

Delta R.T. -0.01 min

Lab File: BF096049.D

Acq: 20 Jun 2017 17:31

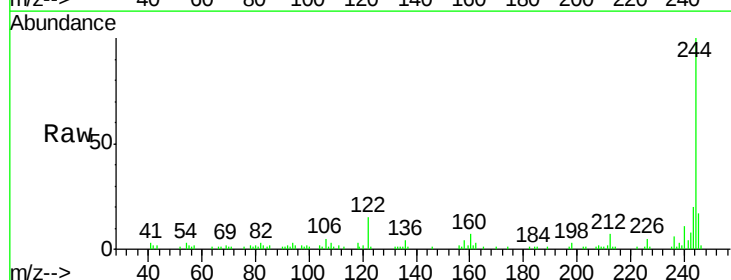
Tgt Ion: 244 Resp: 52827

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

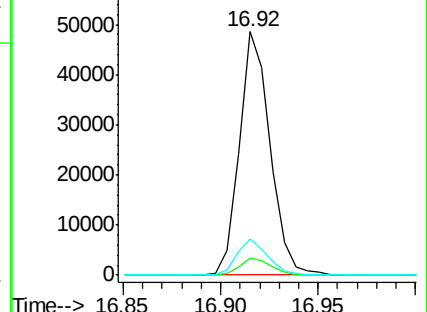
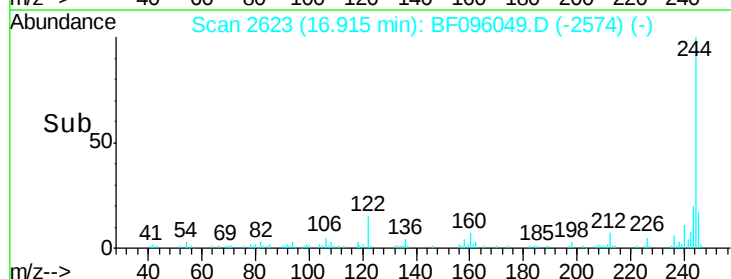
122 15.1 10.3 15.5

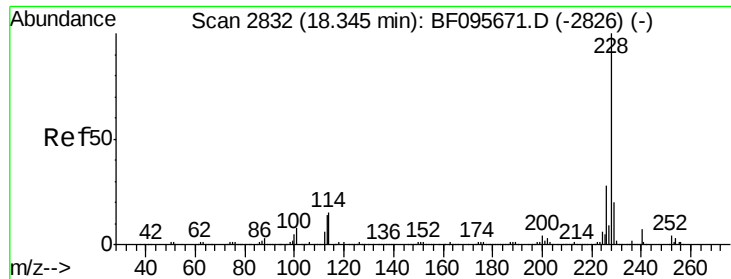


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.377 ng

RT: 18.26 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BF096049.D

Acq: 20 Jun 2017 17:31

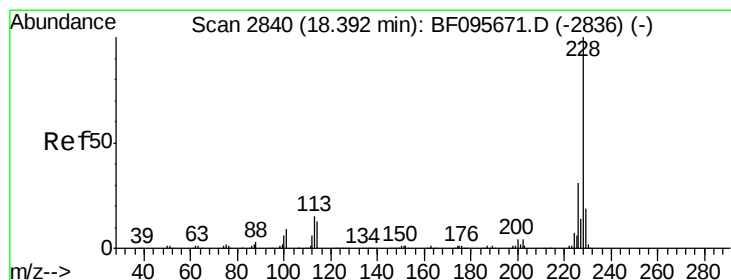
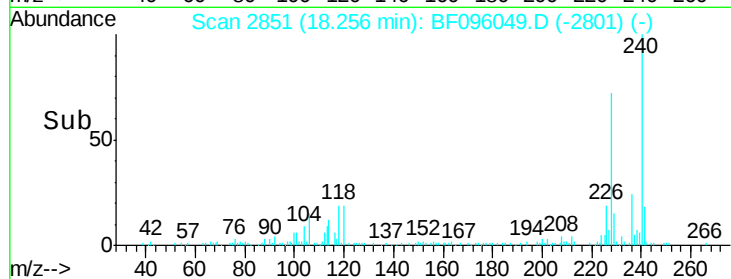
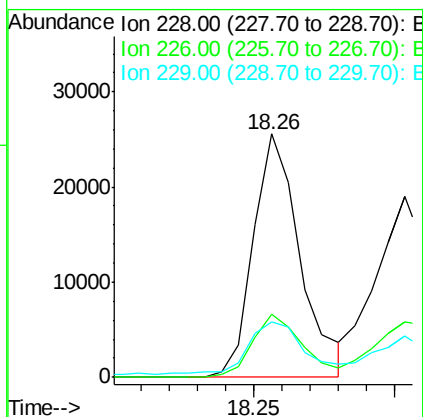
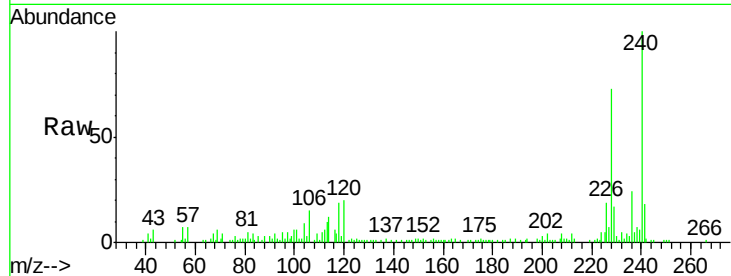
Instrument :

BNA_F

ClientSampleId :

FK-SF-02-001-A

Tgt Ion:	228	Resp:	29459
Ion	Ratio	Lower	Upper
228	100		
226	26.2	22.6	33.8
229	22.8	16.3	24.5



#82

Chrysene

Concen: 3.308 ng

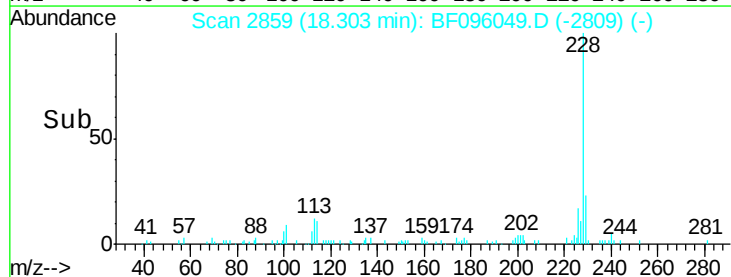
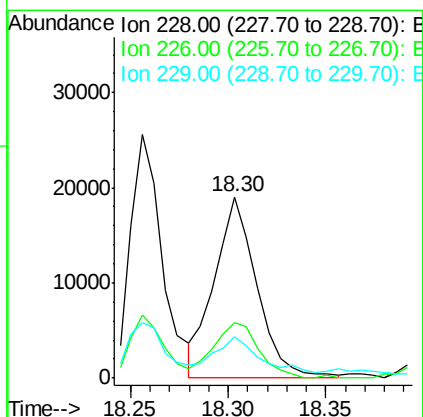
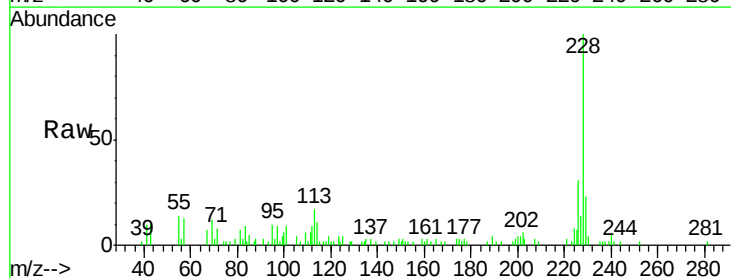
RT: 18.30 min Scan# 2859

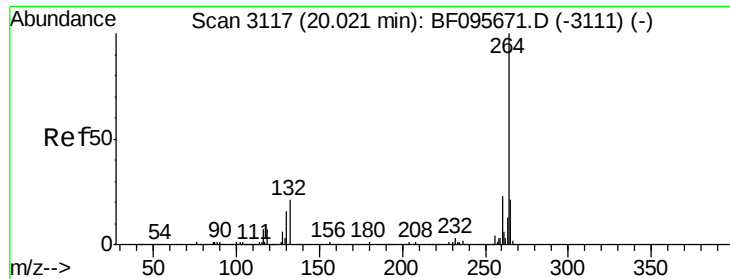
Delta R.T. -0.01 min

Lab File: BF096049.D

Acq: 20 Jun 2017 17:31

Tgt Ion:	228	Resp:	28838
Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	22.7	15.8	23.6



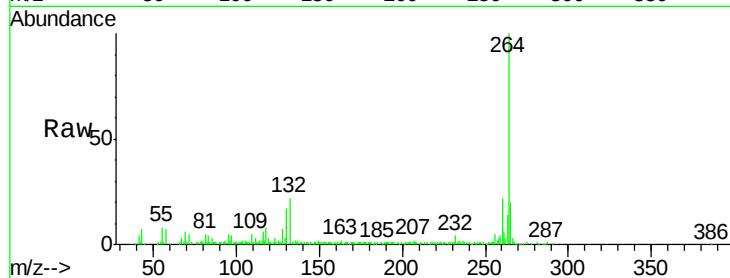


#86
Perylene-d12
Concen: 20.000 ng
RT: 19.94 min Scan# 3138
Delta R.T. 0.01 min
Lab File: BF096049.D
Acq: 20 Jun 2017 17:31

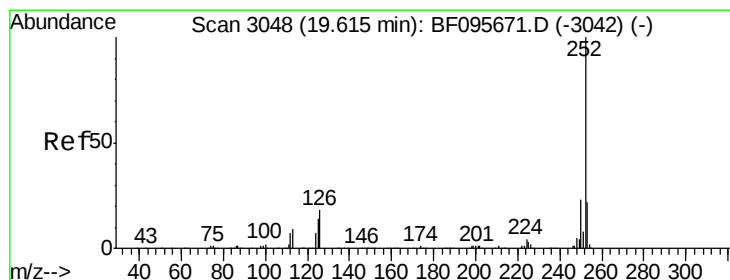
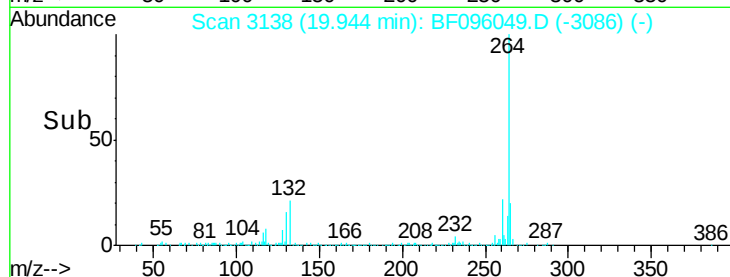
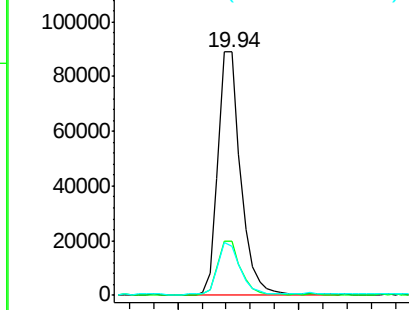
Instrument :
BNA_F
ClientSampleId :
FK-SF-02-001-A

Tgt Ion: 264 Resp: 116149

Ion	Ratio	Lower	Upper
264	100		
260	22.1	19.5	29.3
265	20.2	17.2	25.8



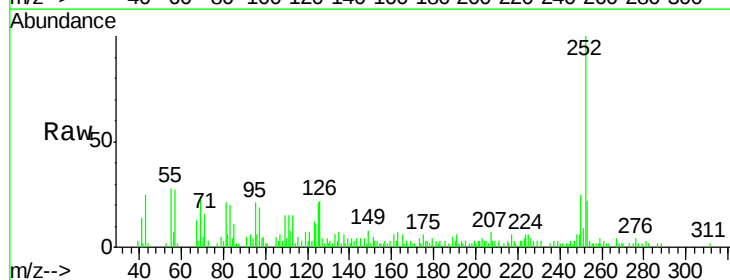
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



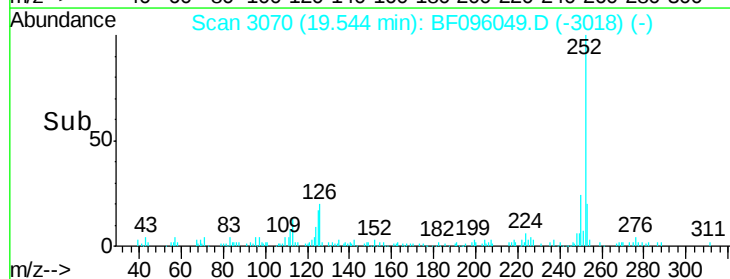
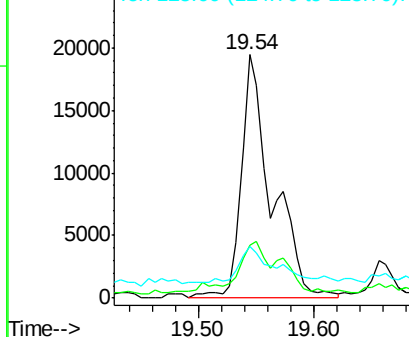
#87
Benzo(b)fluoranthene
Concen: 4.939 ng
RT: 19.54 min Scan# 3070
Delta R.T. 0.01 min
Lab File: BF096049.D
Acq: 20 Jun 2017 17:31

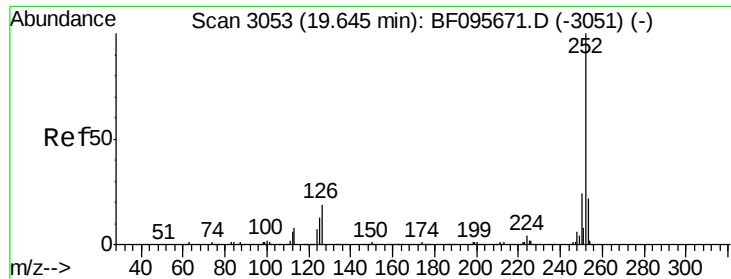
Tgt Ion: 252 Resp: 35919

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.1	27.1
125	21.3	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

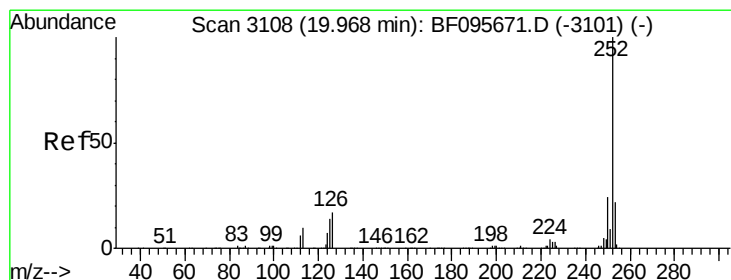
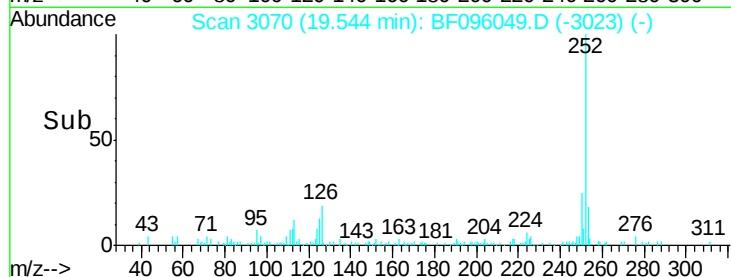
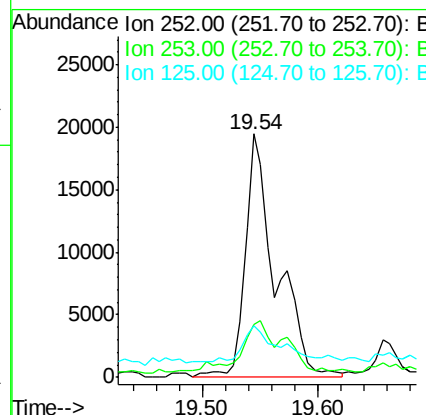
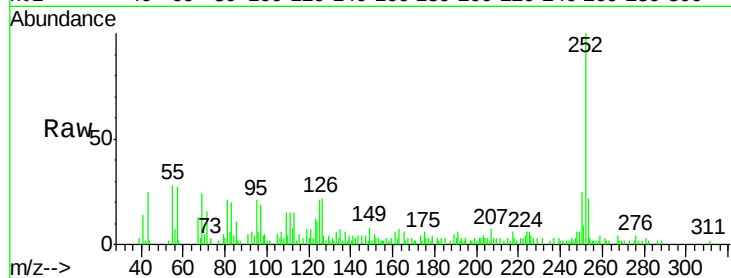




#88
Benzo(k)fluoranthene
Concen: 5.167 ng
RT: 19.54 min Scan# 3070
Delta R.T. -0.02 min
Lab File: BF096049.D
Acq: 20 Jun 2017 17:31

Instrument :
BNA_F
ClientSampleId :
FK-SF-02-001-A

Tgt Ion:252 Resp: 35919
Ion Ratio Lower Upper
252 100
253 21.7 18.4 27.6
125 21.3 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 2.554 ng
RT: 19.89 min Scan# 3129
Delta R.T. 0.01 min
Lab File: BF096049.D
Acq: 20 Jun 2017 17:31

Tgt Ion:252 Resp: 17075
Ion Ratio Lower Upper
252 100
253 25.5 17.5 26.3
125 21.8 11.0 16.4#

