

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
 Data File : BF094749.D
 Acq On : 1 May 2017 14:17
 Operator : SJ/MA
 Sample : I2902-02 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 02 01:37:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

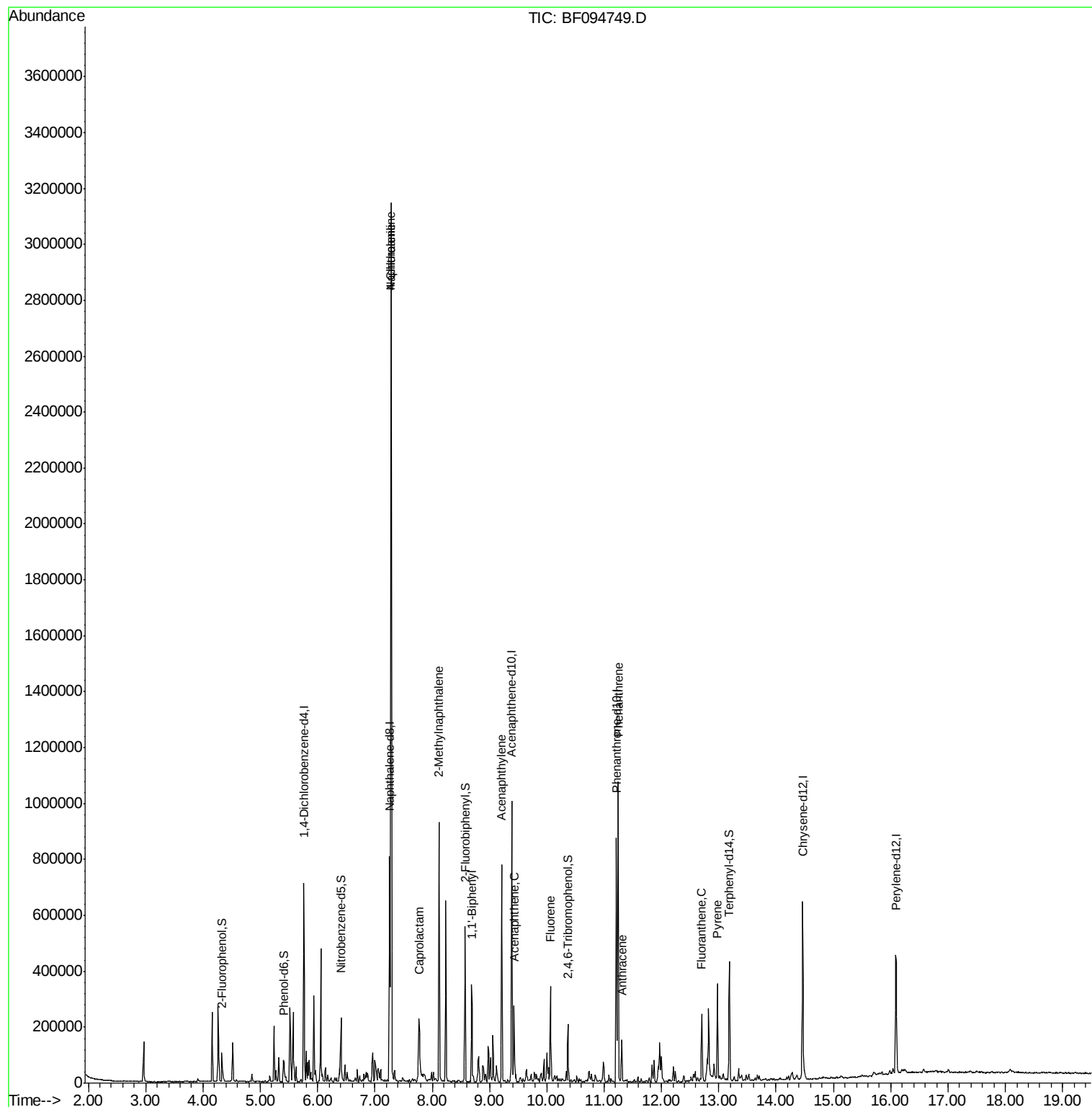
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	107865	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	427945	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	203324	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	337586	20.00	ng	0.00
75) Chrysene-d12	14.47	240	251708	20.00	ng	0.00
86) Perylene-d12	16.09	264	179534	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.33	112	39213	6.03	ng	0.03
7) Phenol-d6	5.41	99	31282	4.08	ng	0.01
23) Nitrobenzene-d5	6.41	82	74465	10.74	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	22754	14.31	ng	0.00
44) 2-Fluorobiphenyl	8.57	172	171856	12.44	ng	-0.01
78) Terphenyl-d14	13.18	244	135721	14.41	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.28	128	1630749	79.27	ng	100
33) 4-Chloroaniline	7.29	127	219246	25.62	ng	# 34
35) Caprolactam	7.77	113	35212	18.92	ng	95
37) 2-Methylnaphthalene	8.12	142	266891	18.96	ng	98
45) 1,1'-Biphenyl	8.69	154	116284	7.00	ng	97
48) Acenaphthylene	9.21	152	342784	16.65	ng	98
51) Acenaphthene	9.42	154	61568	4.99	ng	98
57) Fluorene	10.07	166	106409	7.62	ng	99
70) Phenanthrene	11.24	178	433413	22.80	ng	97
71) Anthracene	11.31	178	67532	3.43	ng	100
74) Fluoranthene	12.70	202	109583	5.56	ng	99
77) Pvrene	12.98	202	147613	8.39	ng	99

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094749.D
Acq On : 1 May 2017 14:17
Operator : SJ/MA
Sample : I2902-02 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: May 02 01:37:10 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 17 14:59:23 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.76 min Scan# 650

Delta R.T. -0.00 min

Lab File: BF094749.D

Acq: 1 May 2017 14:17

Instrument :

BNA_F

ClientSampleId :

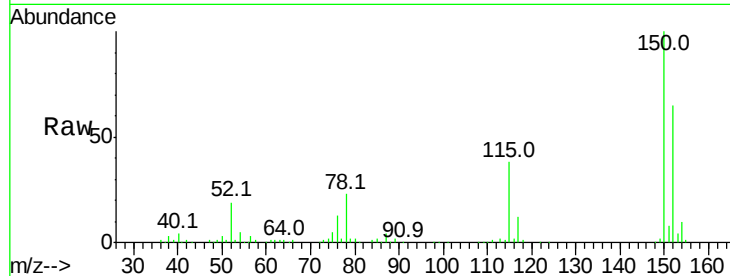
Tot Ion:152 Resp: 107865

Ion Ratio Lower Upper

152 100

150 154.8 126.2 189.2

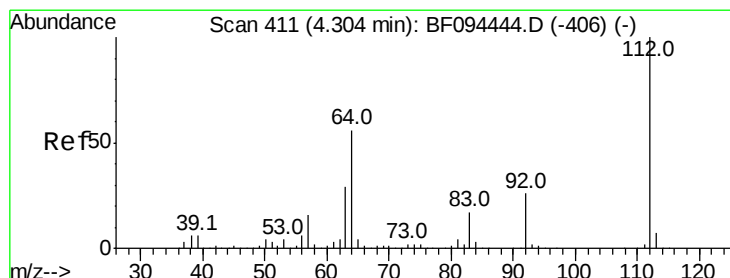
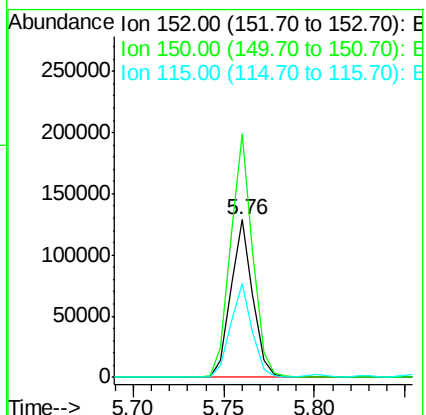
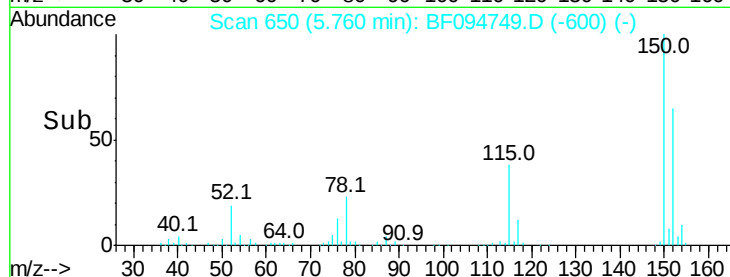
115 59.4 52.2 78.2



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: 6.03 ng

RT: 4.33 min Scan# 407

Delta R.T. 0.03 min

Lab File: BF094749.D

Acq: 1 May 2017 14:17

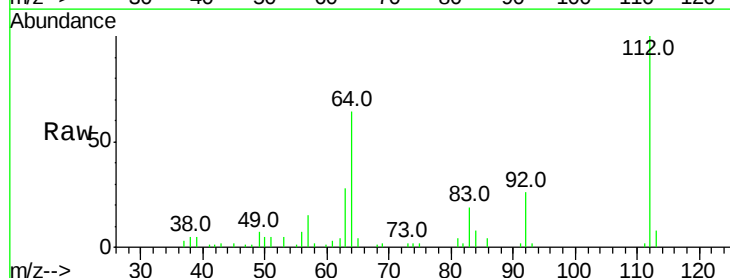
Tgt Ion:112 Resp: 39213

Ion Ratio Lower Upper

112 100

64 63.8 46.0 69.0

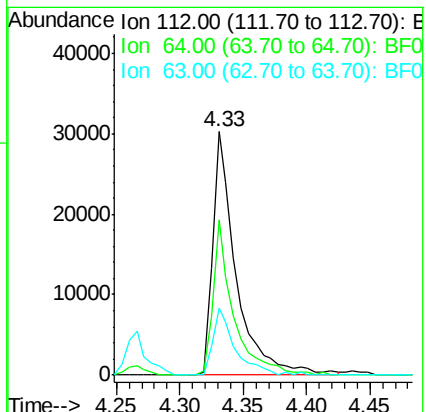
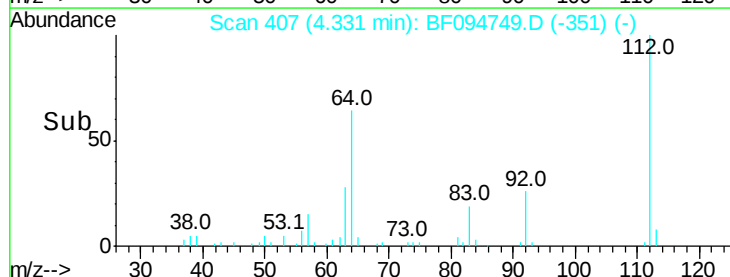
63 27.7 23.4 35.0

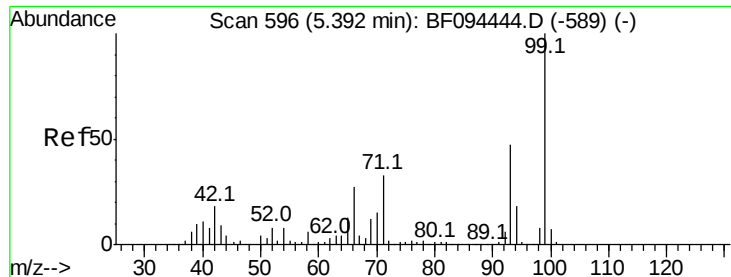


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 4.08 ng

RT: 5.41 min Scan# 590

Delta R.T. 0.01 min

Lab File: BF094749.D

Acq: 1 May 2017 14:17

Instrument :

BNA_F

ClientSampled :

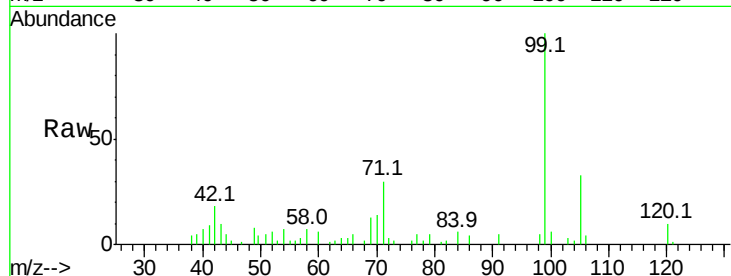
Tot Ion: 99 Resp: 31282

Ion Ratio Lower Upper

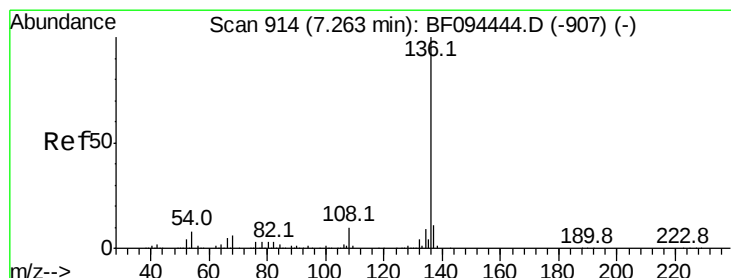
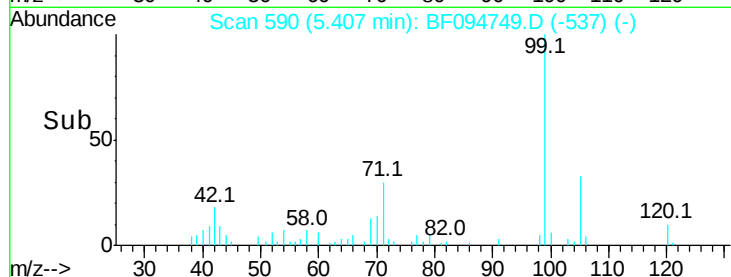
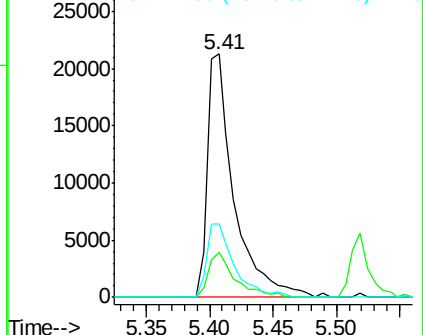
99 100

42 18.4 13.5 20.3

71 30.2 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.25 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF094749.D

Acq: 1 May 2017 14:17

Tgt Ion: 136 Resp: 427945

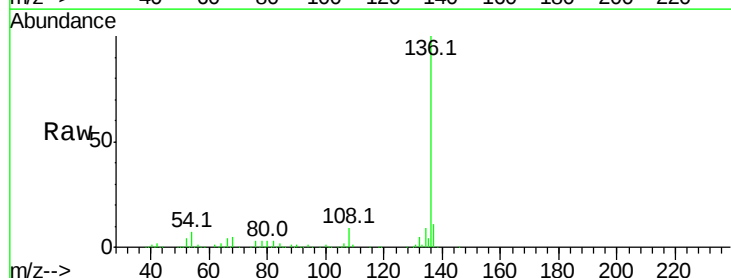
Ion Ratio Lower Upper

136 100

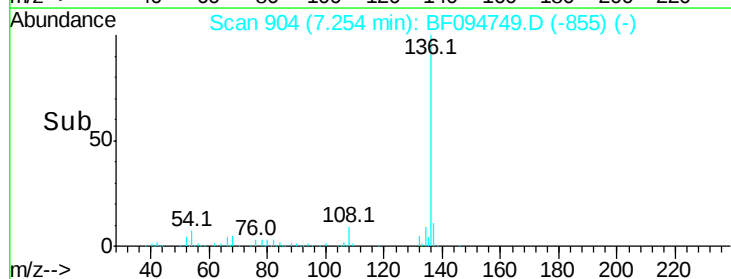
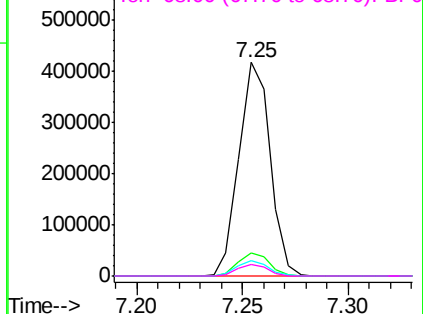
137 11.1 8.5 12.7

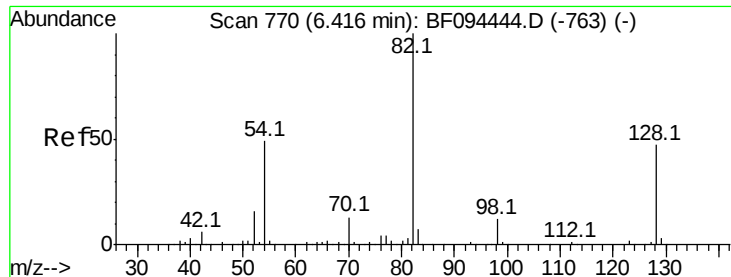
54 7.1 4.9 7.3

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

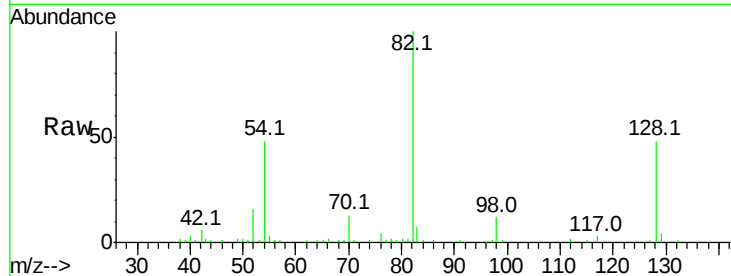




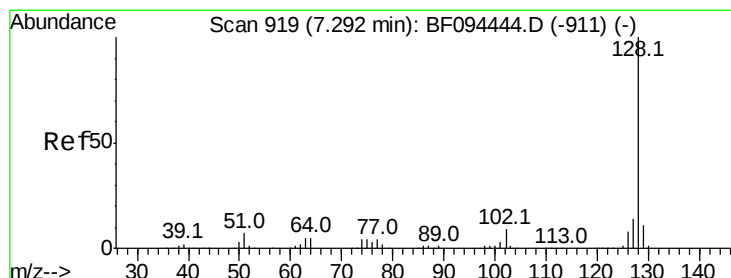
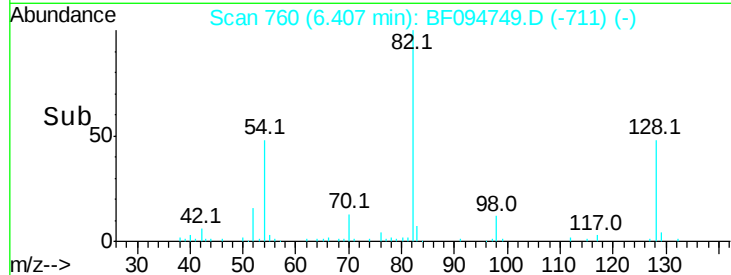
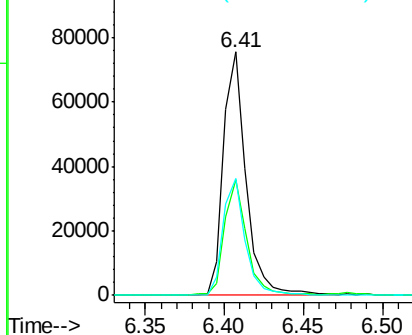
#23
 Nitrobenzene-d5
 Concen: 10.74 ng
 RT: 6.41 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF094749.D
 Acq: 1 May 2017 14:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 74465
 Ion Ratio Lower Upper
 82 100
 128 47.5 34.0 51.0
 54 48.0 42.2 63.2

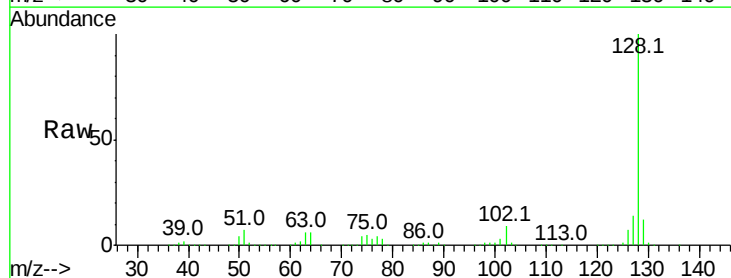


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

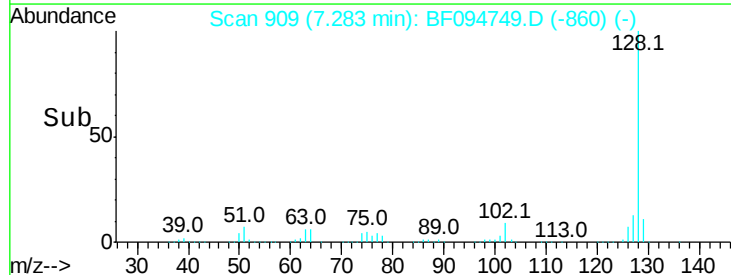
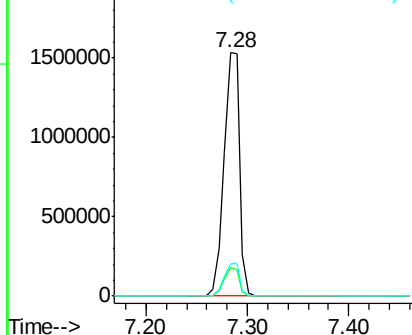


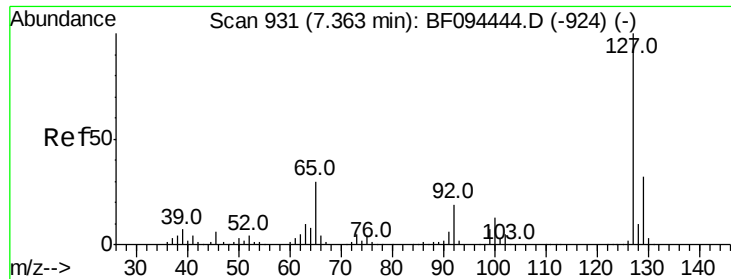
#31
 Naphthalene
 Concen: 79.27 ng
 RT: 7.28 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF094749.D
 Acq: 1 May 2017 14:17

Tgt Ion:128 Resp: 1630749
 Ion Ratio Lower Upper
 128 100
 129 11.6 9.0 13.6
 127 13.5 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

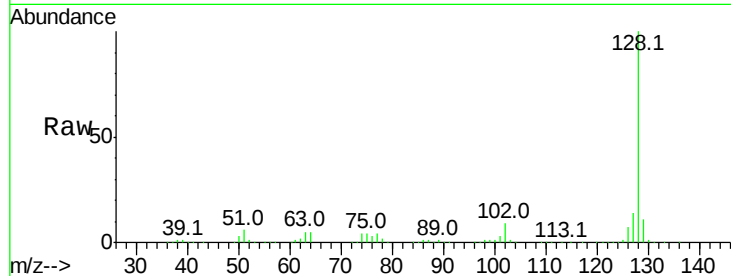




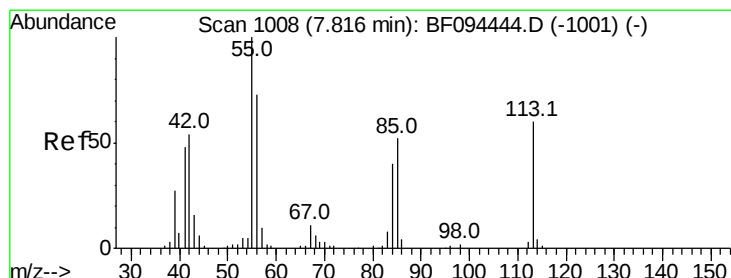
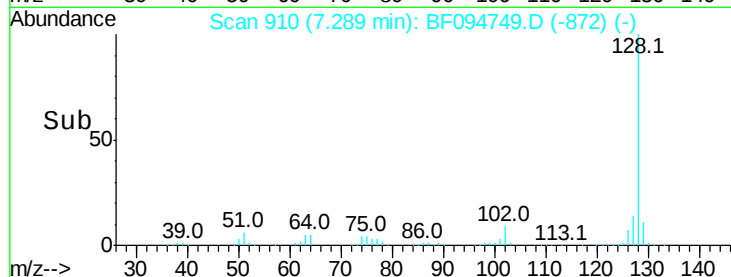
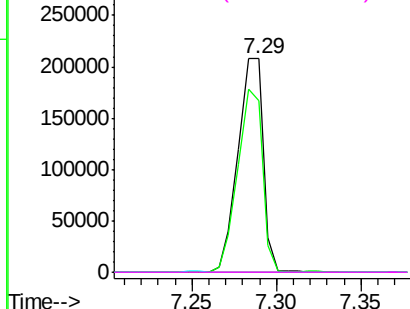
#33
4-Chloroaniline
Concen: 25.62 ng
RT: 7.29 min Scan# 910
Delta R.T. -0.07 min
Lab File: BF094749.D
Acq: 1 May 2017 14:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	127	Resp:	219246
Ion	Ratio	Lower	Upper
127	100		
129	80.6	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#

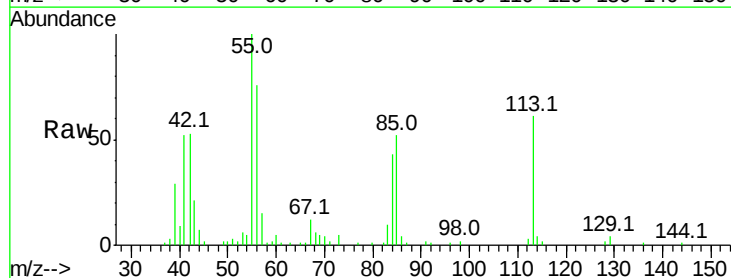


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

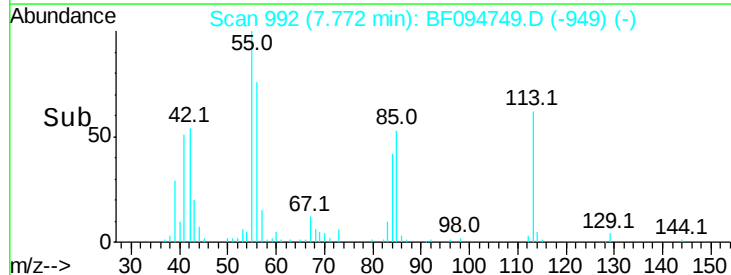
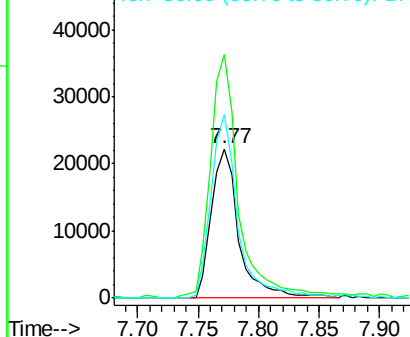


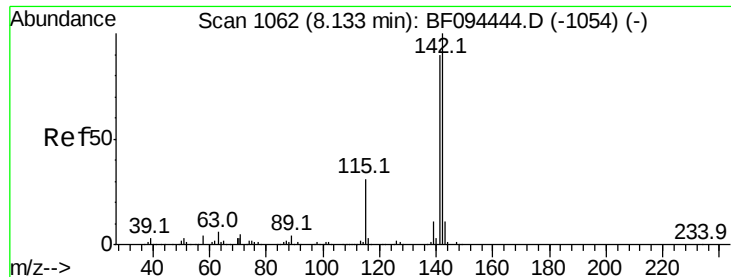
#35
Caprolactam
Concen: 18.92 ng
RT: 7.77 min Scan# 992
Delta R.T. -0.04 min
Lab File: BF094749.D
Acq: 1 May 2017 14:17

Tgt Ion:	113	Resp:	35212
Ion	Ratio	Lower	Upper
113	100		
55	163.2	150.2	190.2
56	123.4	107.8	147.8



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

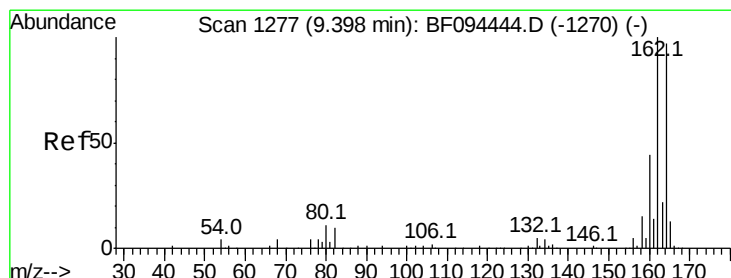
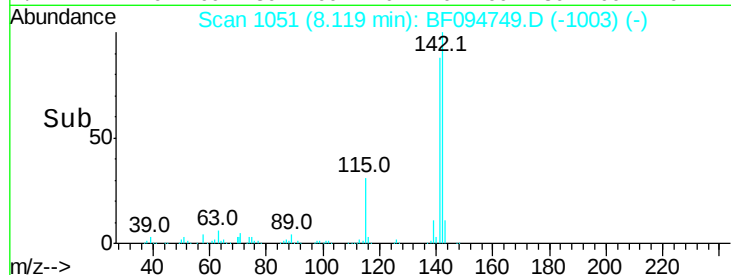
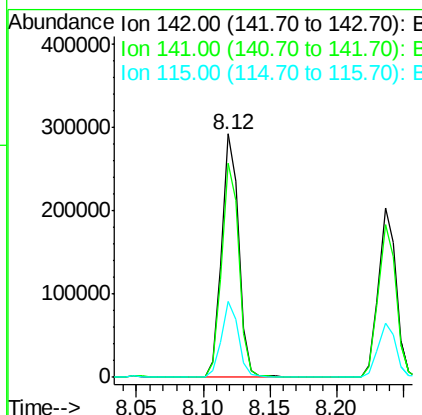
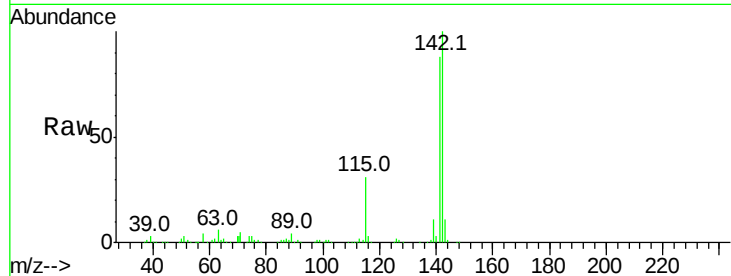




#37
 2-Methylnaphthalene
 Concen: 18.96 ng
 RT: 8.12 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: BF094749.D
 Acq: 1 May 2017 14:17

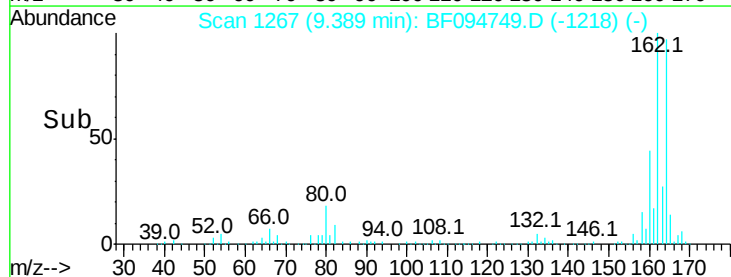
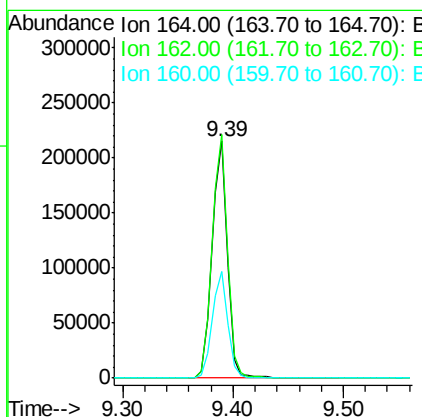
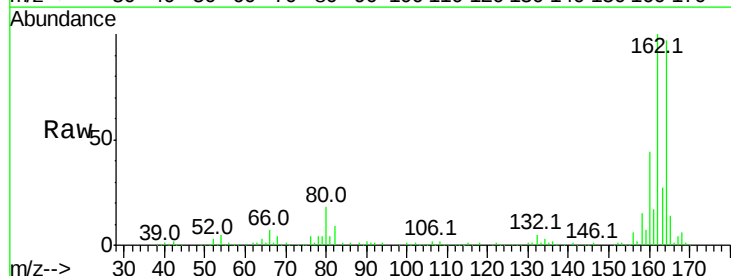
Instrument :
 BNA_F
 ClientSampleId :

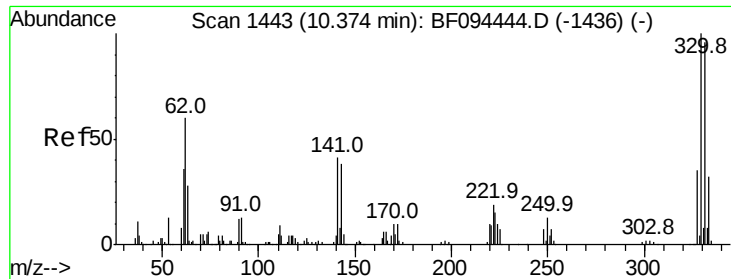
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.3	106.9
115	31.1	27.1	40.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BF094749.D
 Acq: 1 May 2017 14:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.6	123.8
160	45.3	36.2	54.2

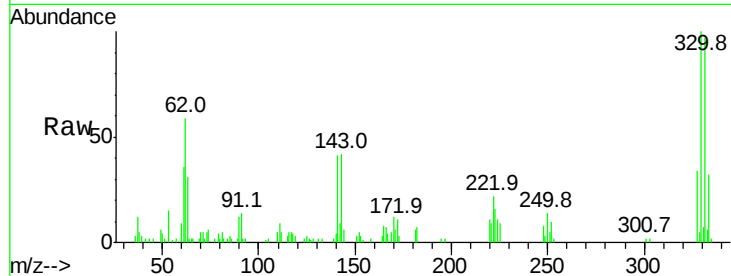




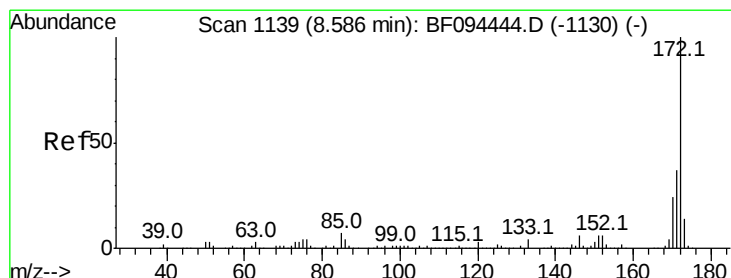
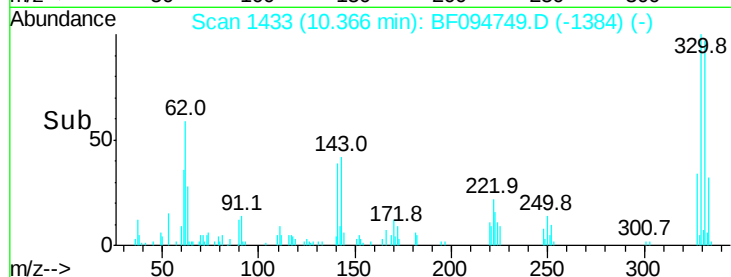
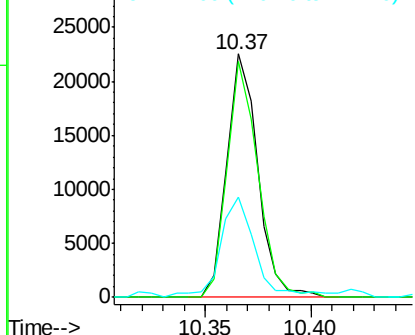
#41
 2,4,6-Tribromophenol
 Concen: 14.31 ng
 RT: 10.37 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF094749.D
 Acq: 1 May 2017 14:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 22754
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.6 115.0
 141 46.2 31.4 47.2

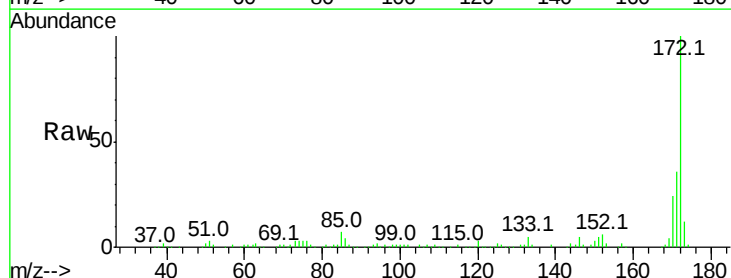


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

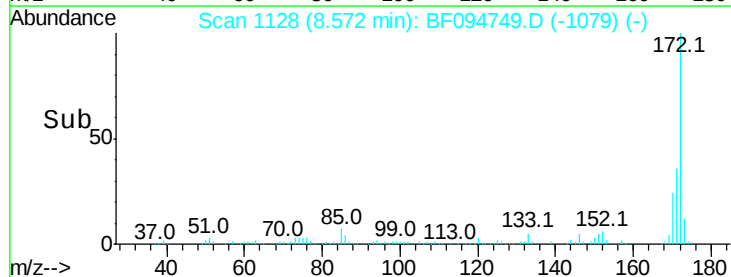
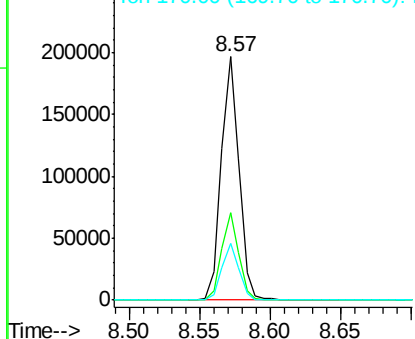


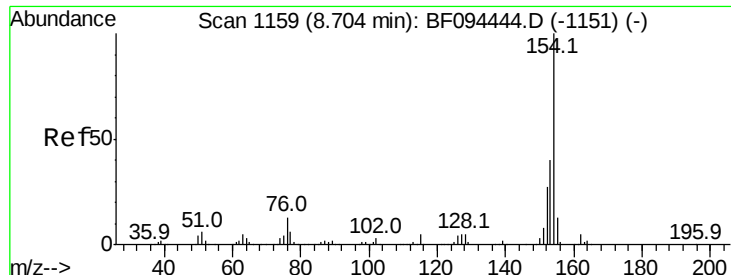
#44
 2-Fluorobiphenyl
 Concen: 12.44 ng
 RT: 8.57 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BF094749.D
 Acq: 1 May 2017 14:17

Tgt Ion:172 Resp: 171856
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 23.5 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

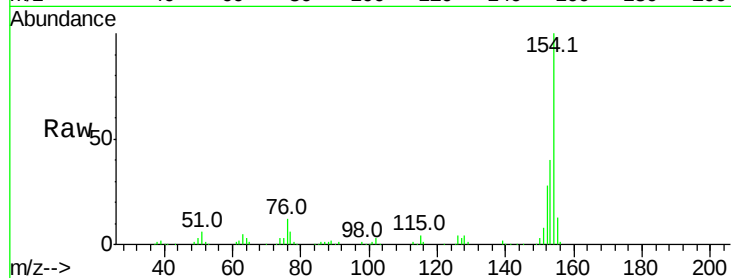




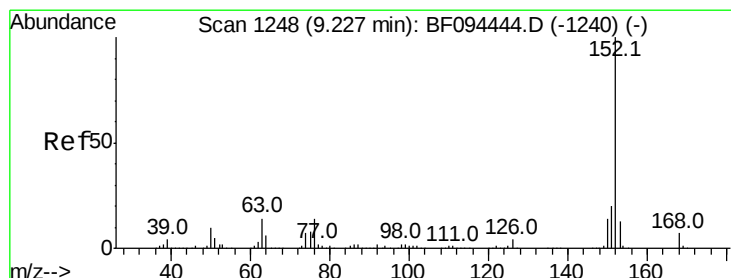
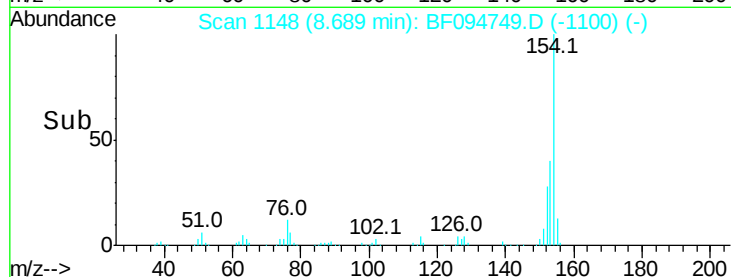
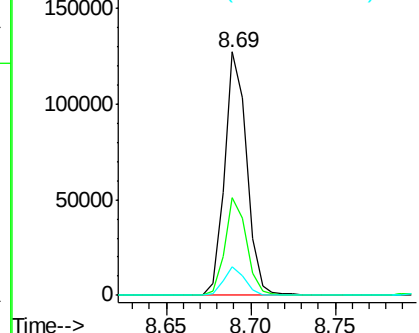
#45
 1,1'-Biphenyl
 Concen: 7.00 ng
 RT: 8.69 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BF094749.D
 Acq: 1 May 2017 14:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:154 Resp: 116284
 Ion Ratio Lower Upper
 154 100
 153 39.9 21.2 61.2
 76 11.6 0.0 29.9

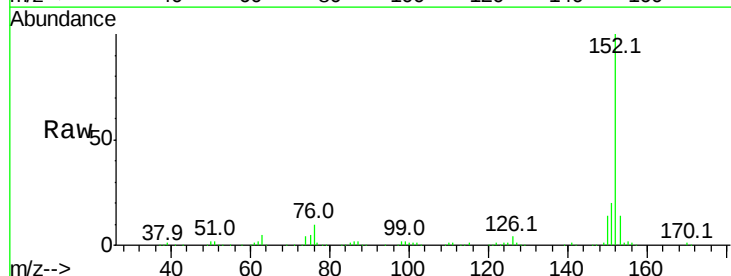


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

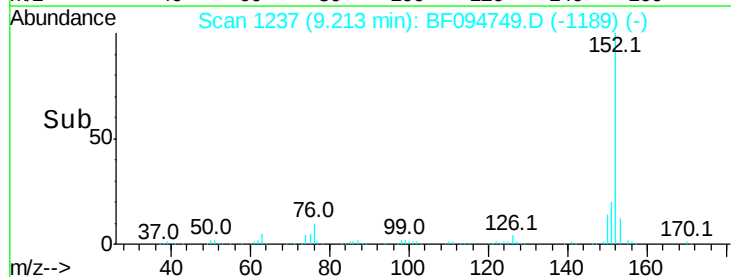
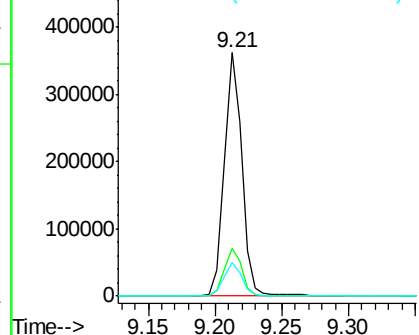


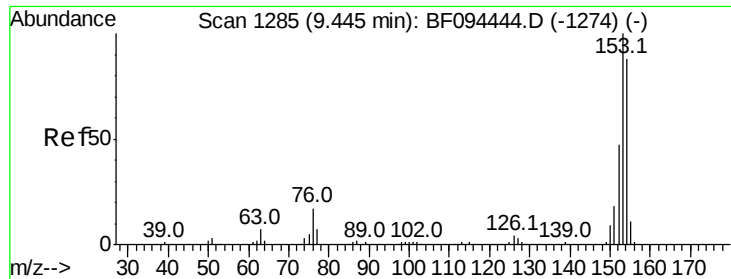
#48
 Acenaphthylene
 Concen: 16.65 ng
 RT: 9.21 min Scan# 1237
 Delta R.T. -0.01 min
 Lab File: BF094749.D
 Acq: 1 May 2017 14:17

Tgt Ion:152 Resp: 342784
 Ion Ratio Lower Upper
 152 100
 151 19.7 16.8 25.2
 153 14.1 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 4.99 ng

RT: 9.42 min Scan# 1273

Delta R.T. -0.02 min

Lab File: BF094749.D

Acq: 1 May 2017 14:17

Instrument :

BNA_F

ClientSampleId :

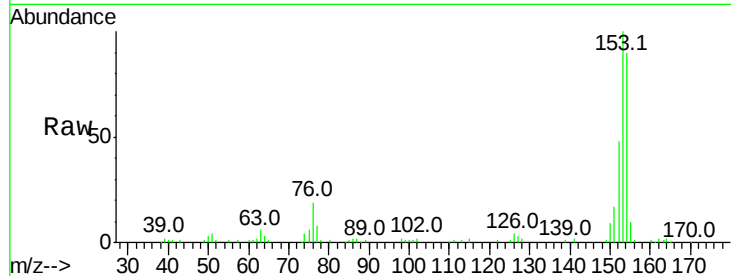
Tot Ion:154 Resp: 61568

Ion Ratio Lower Upper

154 100

153 111.5 90.5 135.7

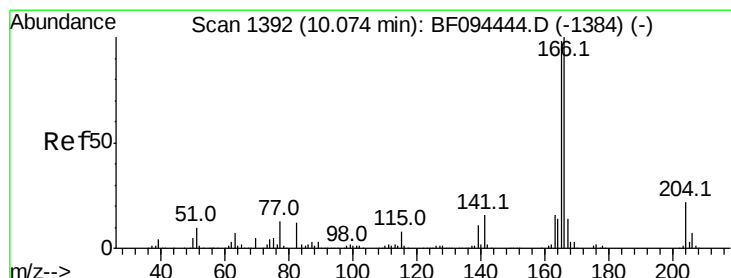
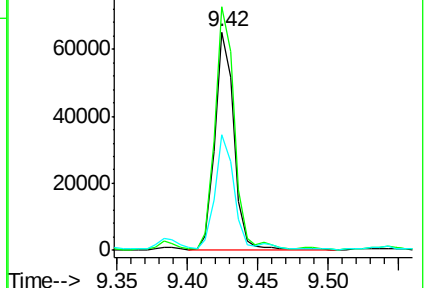
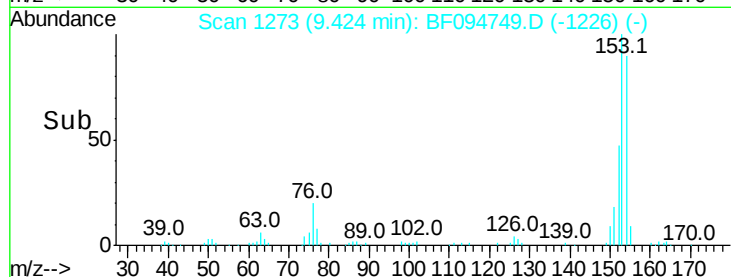
152 53.1 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 7.62 ng

RT: 10.07 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BF094749.D

Acq: 1 May 2017 14:17

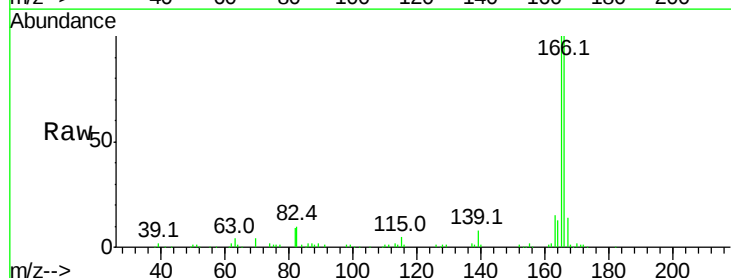
Tgt Ion:166 Resp: 106409

Ion Ratio Lower Upper

166 100

165 99.7 78.8 118.2

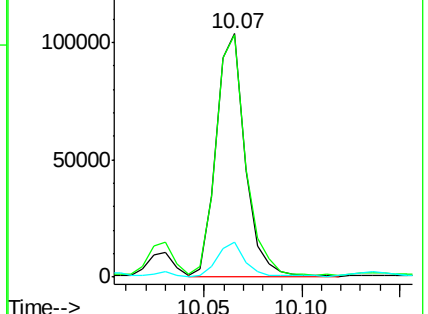
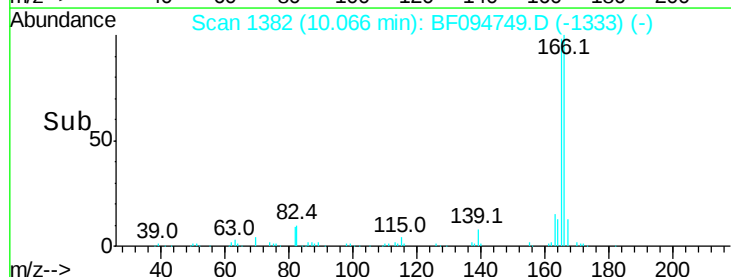
167 14.2 10.6 16.0

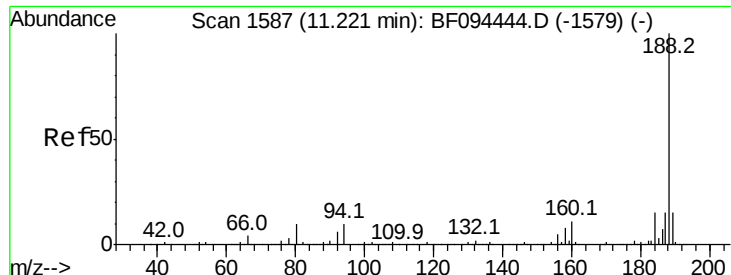


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

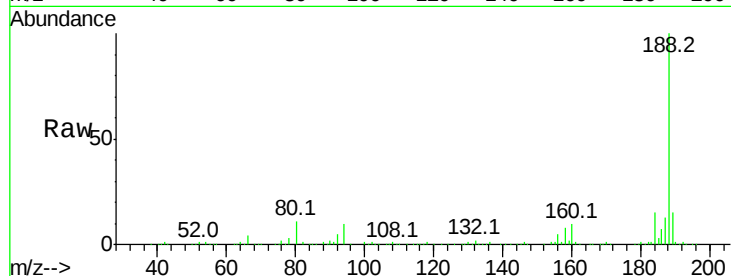




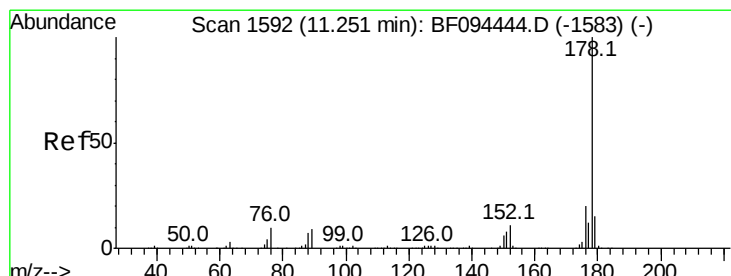
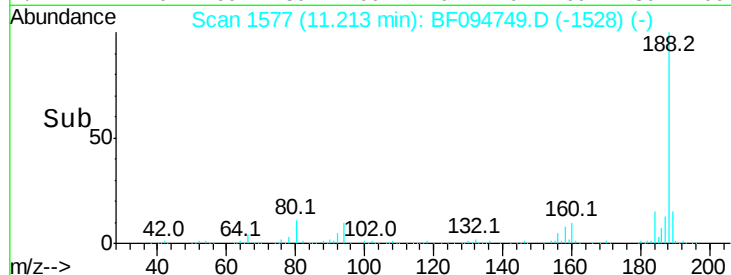
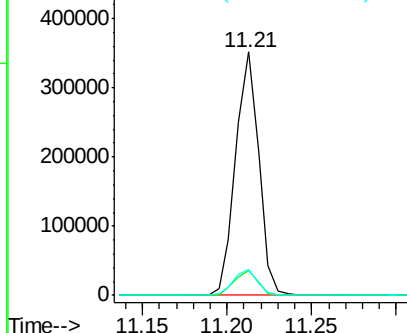
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF094749.D
 Acq: 1 May 2017 14:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 337586
 Ion Ratio Lower Upper
 188 100
 94 10.3 9.4 14.2
 80 10.8 10.2 15.2

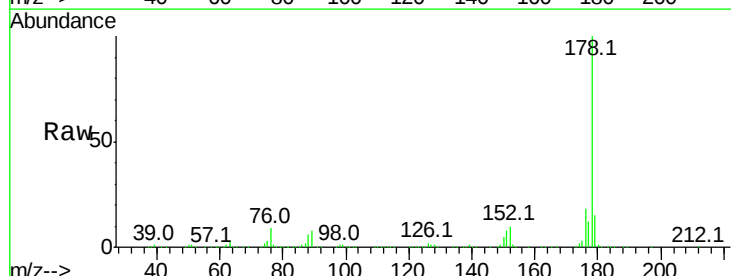


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

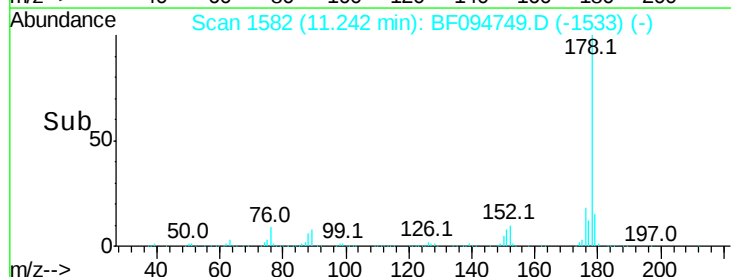
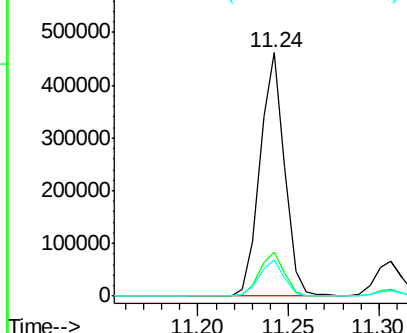


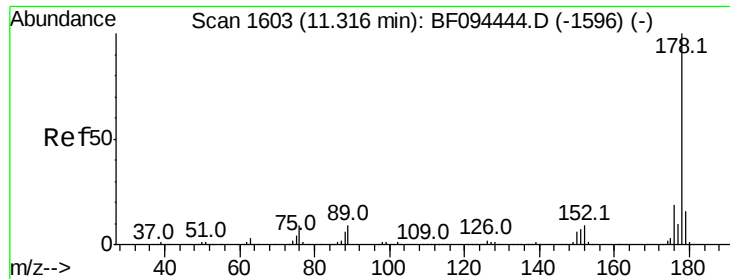
#70
 Phenanthrene
 Concen: 22.80 ng
 RT: 11.24 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF094749.D
 Acq: 1 May 2017 14:17

Tgt Ion:178 Resp: 433413
 Ion Ratio Lower Upper
 178 100
 176 18.2 16.2 24.4
 179 15.1 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

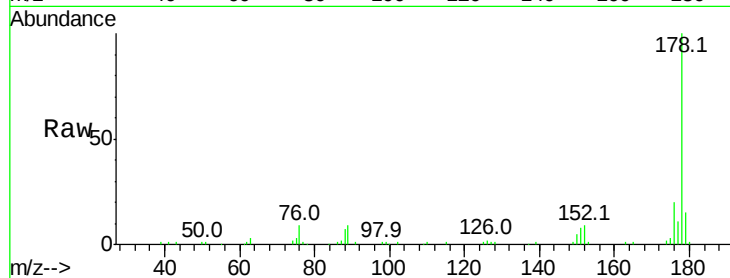




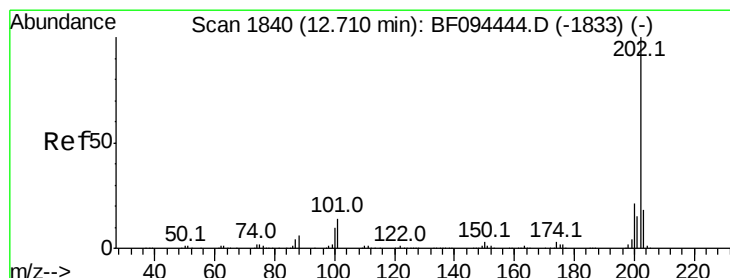
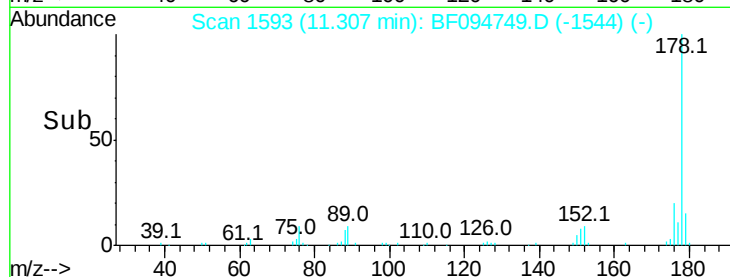
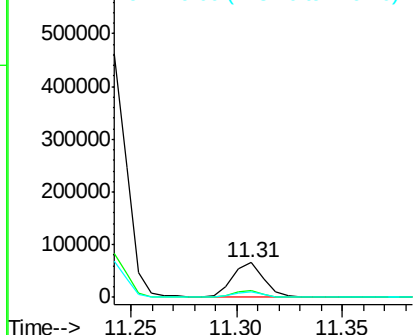
#71
 Anthracene
 Concen: 3.43 ng
 RT: 11.31 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: BF094749.D
 Acq: 1 May 2017 14:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 67532
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.8 23.8
 179 15.5 12.7 19.1

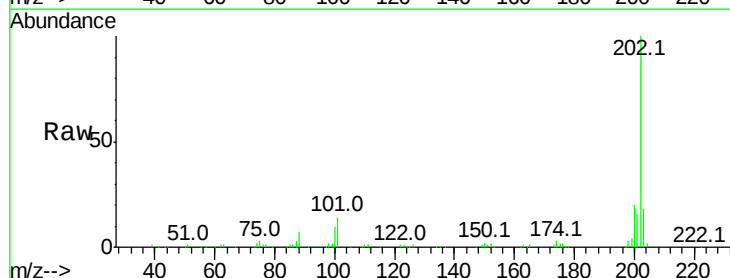


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

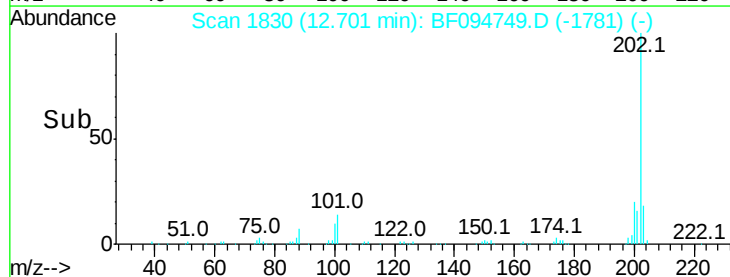
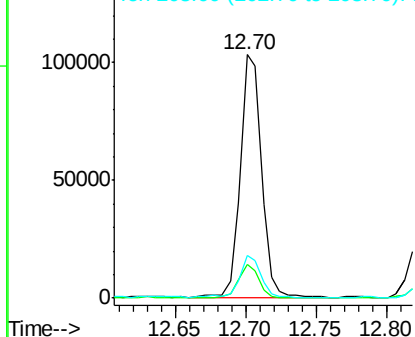


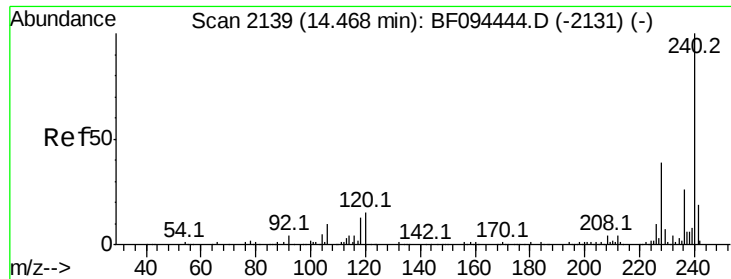
#74
 Fluoranthene
 Concen: 5.56 ng
 RT: 12.70 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BF094749.D
 Acq: 1 May 2017 14:17

Tgt Ion:202 Resp: 109583
 Ion Ratio Lower Upper
 202 100
 101 13.9 0.0 33.2
 203 17.6 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: 14.47 min Scan# 2130

Delta R.T. -0.00 min

Lab File: BF094749.D

Acq: 1 May 2017 14:17

Instrument :

BNA_F

ClientSampleId :

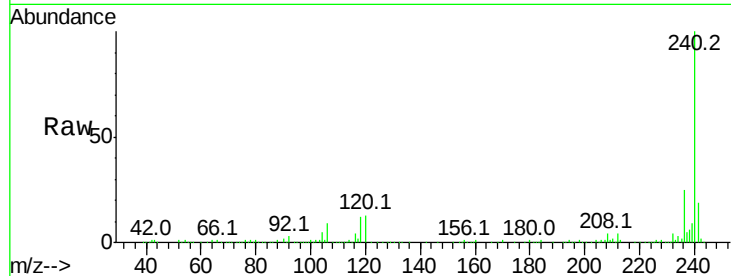
Tot Ion:240 Resp: 251708

Ion Ratio Lower Upper

240 100

120 13.0 5.8 8.8#

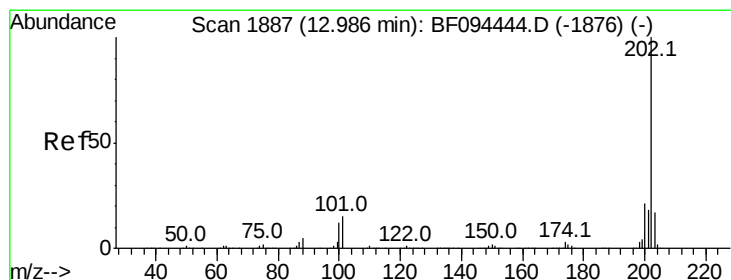
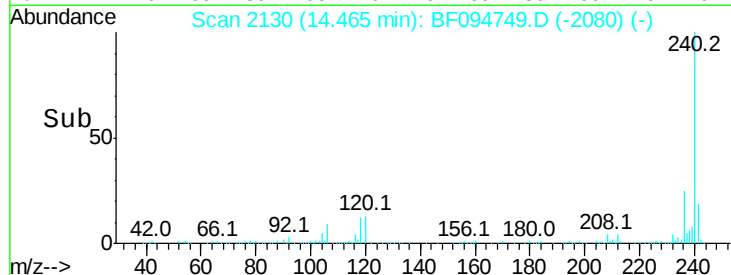
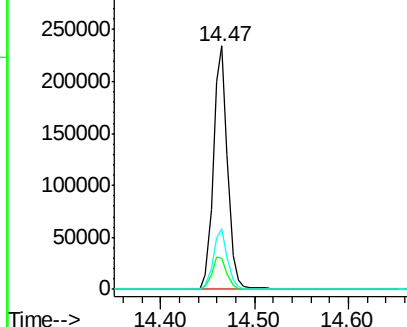
236 24.9 20.5 30.7



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: 8.39 ng

RT: 12.98 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BF094749.D

Acq: 1 May 2017 14:17

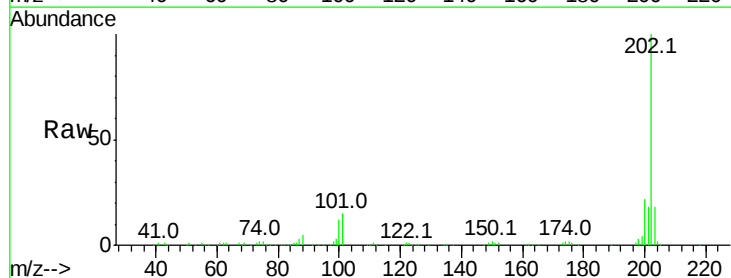
Tgt Ion:202 Resp: 147613

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

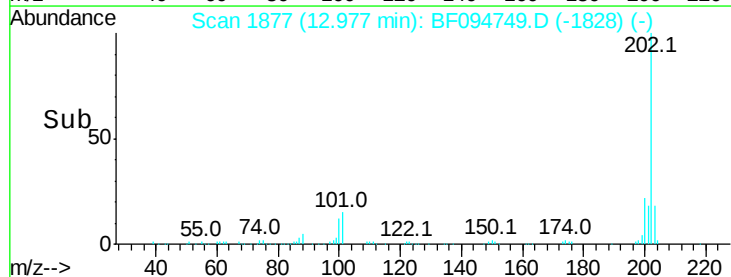
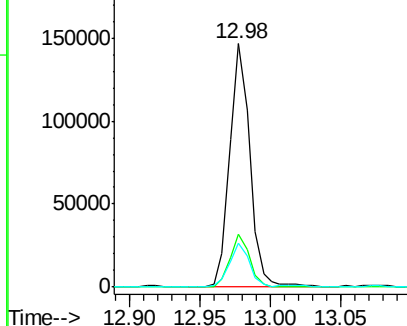
203 18.0 14.4 21.6

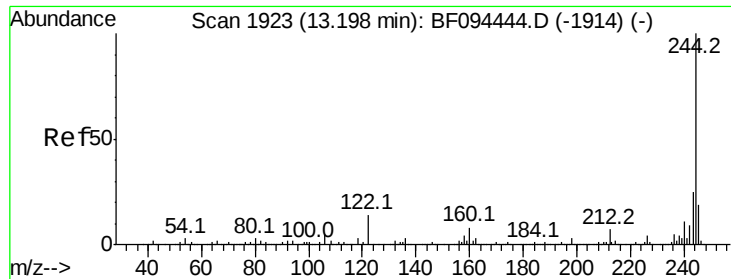


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

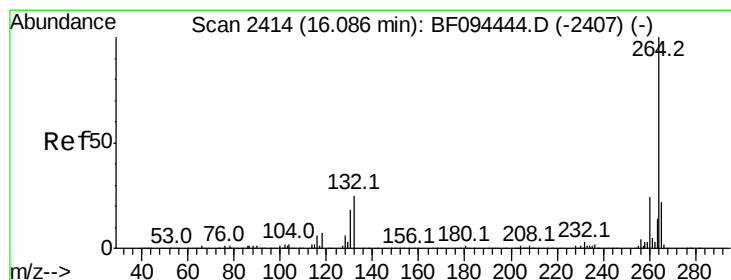
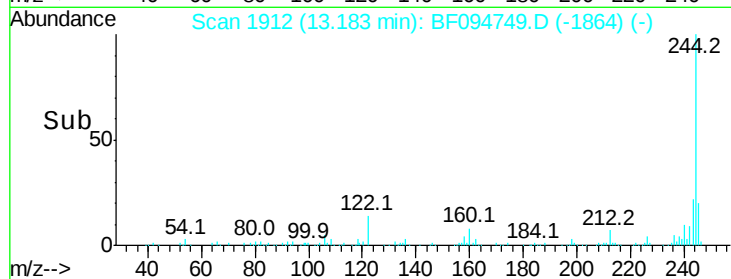
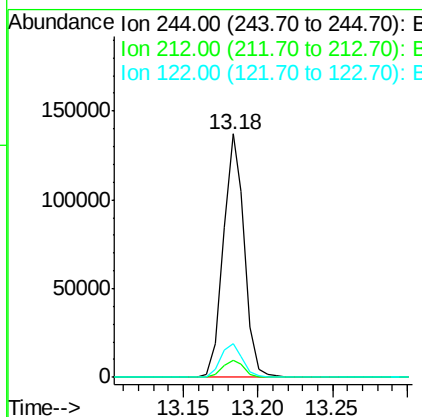
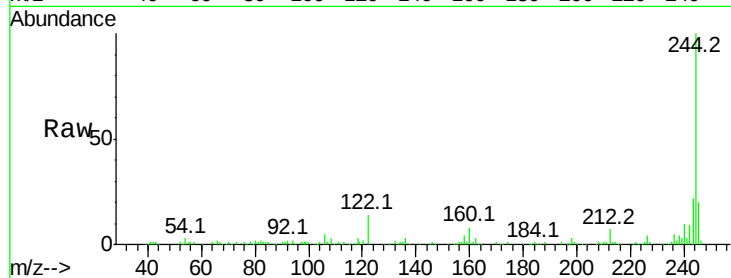




#78
 Terphenyl-d14
 Concen: 14.41 ng
 RT: 13.18 min Scan# 1912
 Delta R.T. -0.01 min
 Lab File: BF094749.D
 Acq: 1 May 2017 14:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 135721
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 14.0 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.09 min Scan# 2406
 Delta R.T. 0.00 min
 Lab File: BF094749.D
 Acq: 1 May 2017 14:17

Tgt Ion:264 Resp: 179534
 Ion Ratio Lower Upper
 264 100
 260 22.0 19.5 29.3
 265 22.5 17.2 25.8

