

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042617\
 Data File : BF094657.D
 Acq On : 26 Apr 2017 19:56
 Operator : SJ/MA
 Sample : I2813-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 27 01:25:24 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	5.75	152	134837	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	557308	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	232600	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	398076	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	270467	20.00	ng	-0.01
86) Perylene-d12	16.08	264	250721	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	4.30	112	916049	112.71	ng	0.00
7) Phenol-d6	5.38	99	1154127	120.46	ng	0.00
23) Nitrobenzene-d5	6.41	82	701481	77.72	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	205998	113.23	ng	-0.01
44) 2-Fluorobiphenyl	8.57	172	1174477	74.29	ng	-0.01
78) Terphenyl-d14	13.18	244	644270	63.67	ng	-0.01

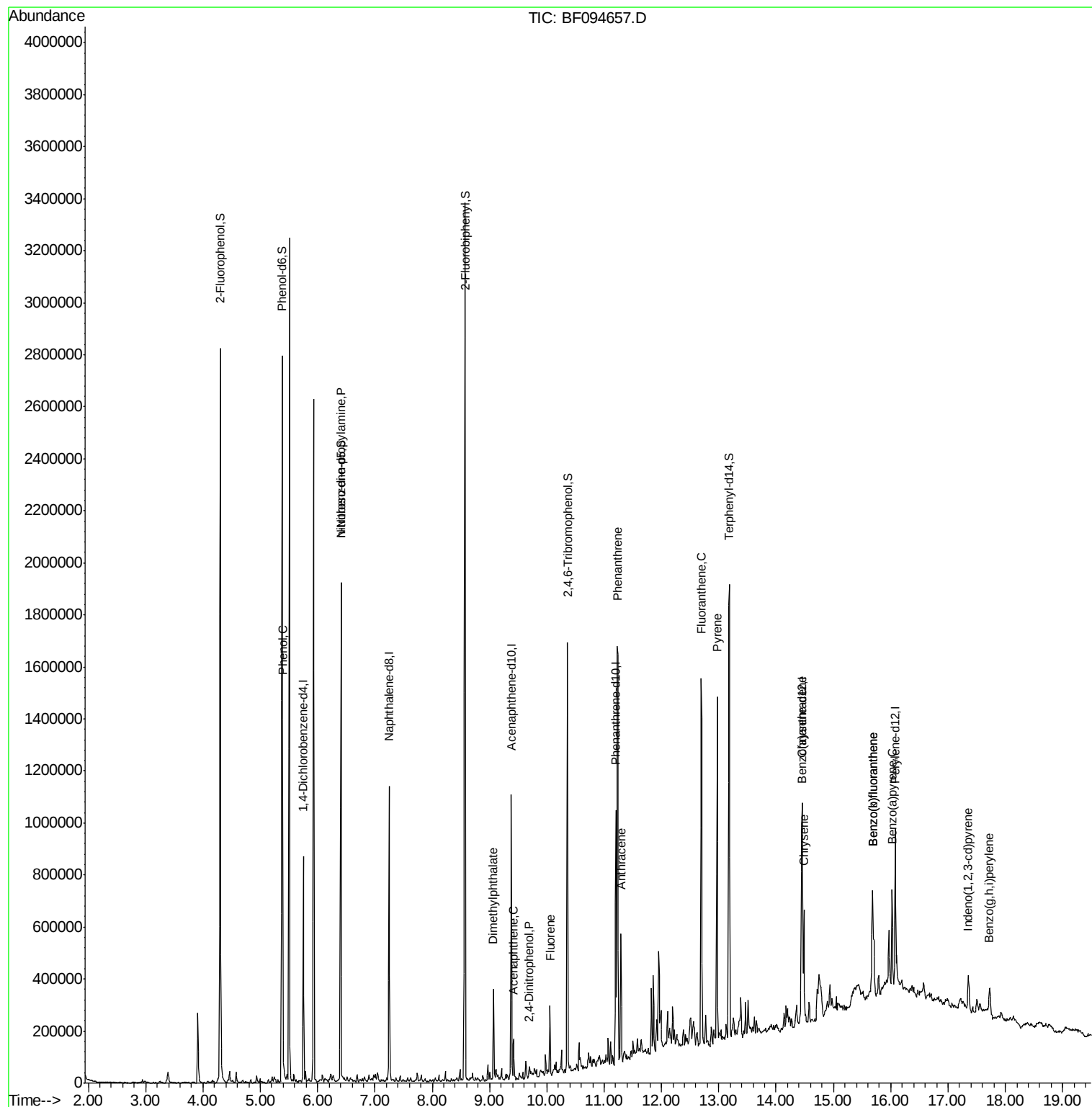
Target Compounds				Qvalue		
10) Phenol	5.40	94	65653	5.58	ng	87
19) n-Nitroso-di-n-propylamine	6.41	70	93615	14.75	ng	# 76
49) Dimethylphthalate	9.07	163	161459	9.31	ng	98
51) Acenaphthene	9.42	154	30433	2.16	ng	99
53) 2,4-Dinitrophenol	9.69	184	331	5.90	ng	# 57
57) Fluorene	10.05	166	51933	3.25	ng	97
70) Phenanthrene	11.24	178	723545	32.28	ng	98
71) Anthracene	11.29	178	210458	9.08	ng	96
74) Fluoranthene	12.69	202	656473	28.26	ng	99
77) Pyrene	12.97	202	601547	31.83	ng	98
80) Benzo(a)anthracene	14.44	228	202830	12.90	ng	99
82) Chrysene	14.48	228	179078	12.46	ng	98
85) Indeno(1,2,3-cd)pyrene	17.35	276	82138	6.01	ng	95
87) Benzo(b)fluoranthene	15.68	252	249558	16.27	ng	# 95
88) Benzo(k)fluoranthene	15.68	252	249558	17.19	ng	100
89) Benzo(a)pyrene	16.02	252	160106	11.22	ng	97
91) Benzo(a,h,i)perylene	17.73	276	76050	6.30	ng	95

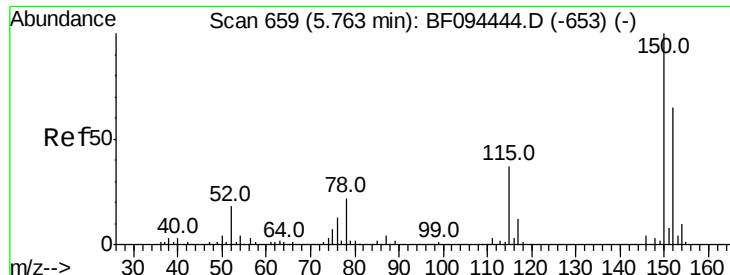
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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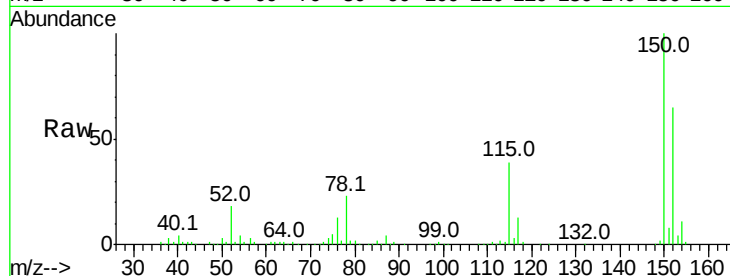


#1

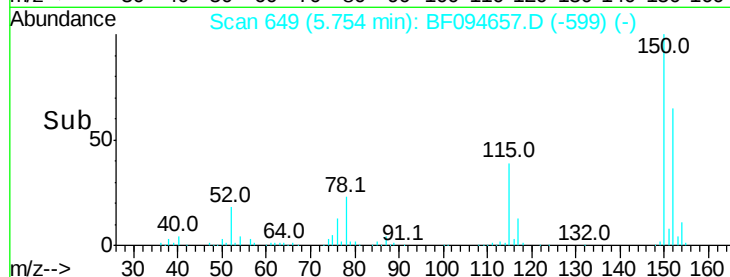
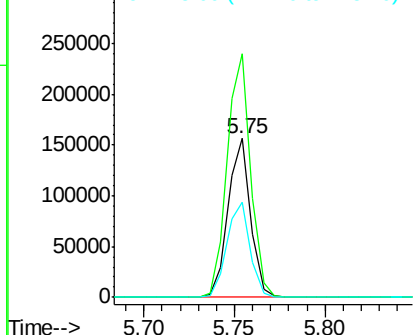
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.75 min Scan# 649
Delta R.T. -0.01 min
Lab File: BF094657.D
Acq: 26 Apr 2017 19:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 134837
Ion Ratio Lower Upper
152 100
150 153.5 126.2 189.2
115 60.2 52.2 78.2



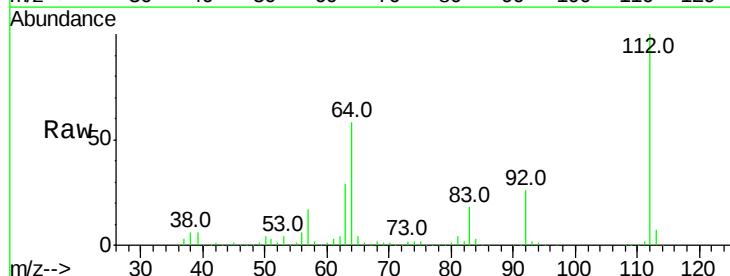
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



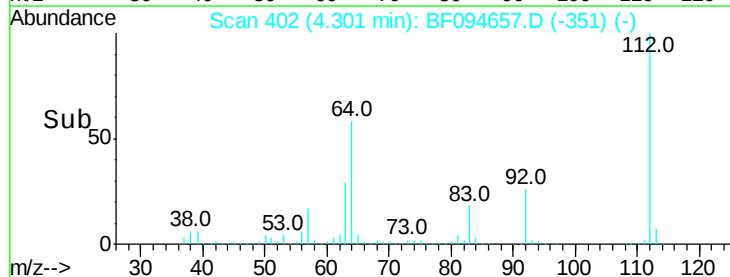
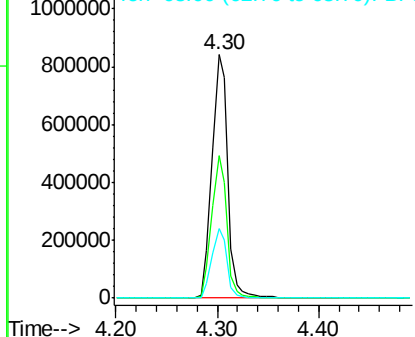
#5

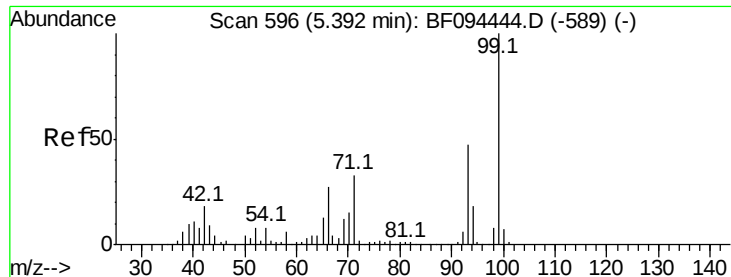
2-Fluorophenol
Concen: 112.71 ng
RT: 4.30 min Scan# 402
Delta R.T. -0.00 min
Lab File: BF094657.D
Acq: 26 Apr 2017 19:56

Tgt Ion:112 Resp: 916049
Ion Ratio Lower Upper
112 100
64 58.3 46.0 69.0
63 28.6 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: 120.46 ng

RT: 5.38 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

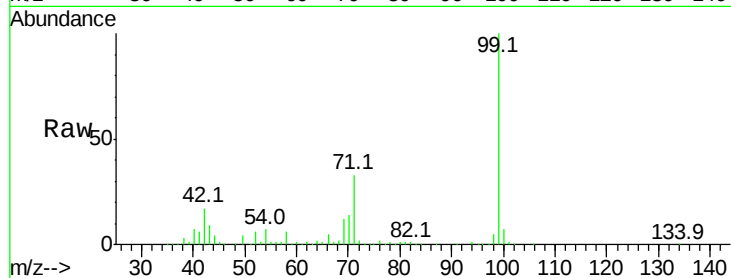
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1154127

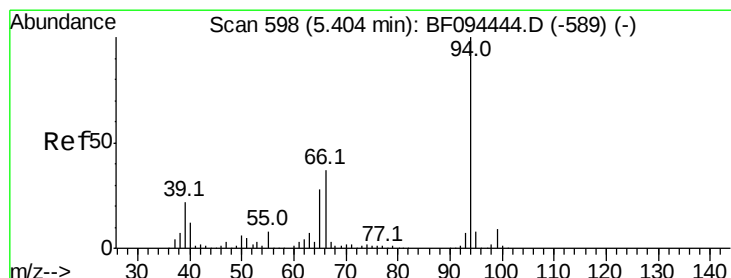
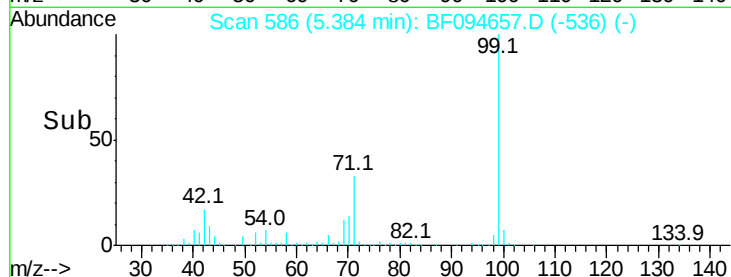
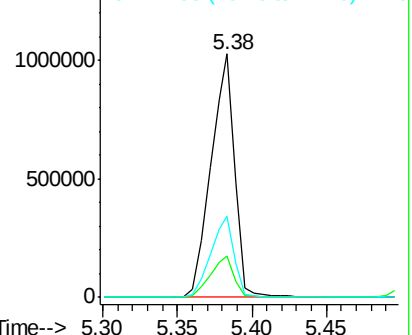
Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.5	20.3
71	33.4	24.5	36.7



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: 5.58 ng

RT: 5.40 min Scan# 588

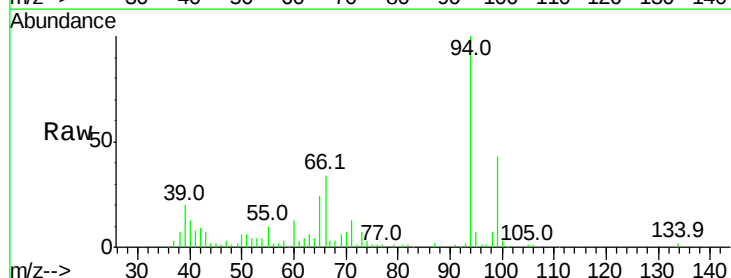
Delta R.T. -0.01 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

Tgt Ion: 94 Resp: 65653

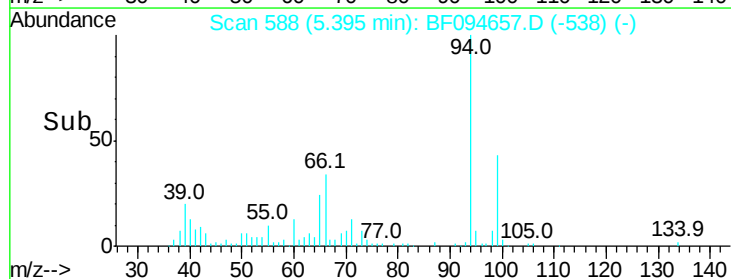
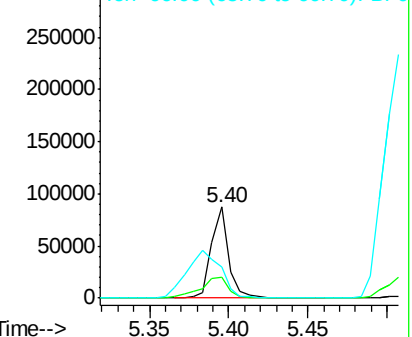
Ion	Ratio	Lower	Upper
94	100		
65	23.6	9.9	49.9
66	34.4	23.1	63.1

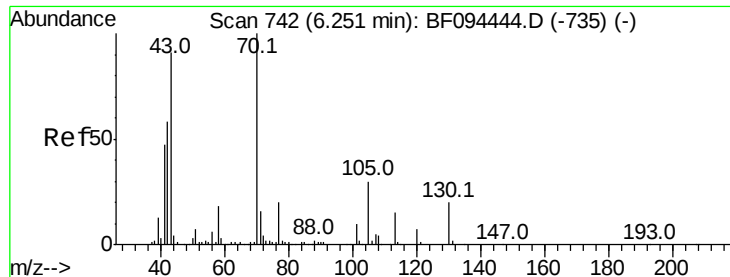


Abundance Ion 94.00 (93.70 to 94.70): BF0

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: 14.75 ng

RT: 6.41 min Scan# 760

Delta R.T. 0.16 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 93615

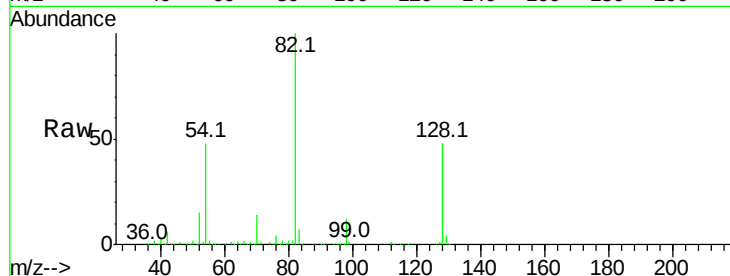
Ion Ratio Lower Upper

70 100

42 44.5 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

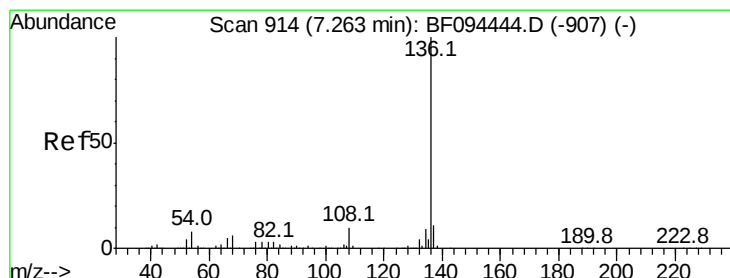
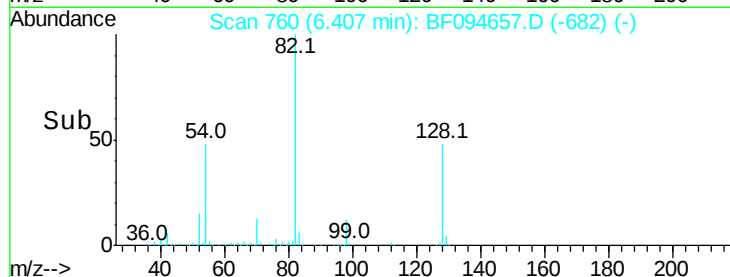
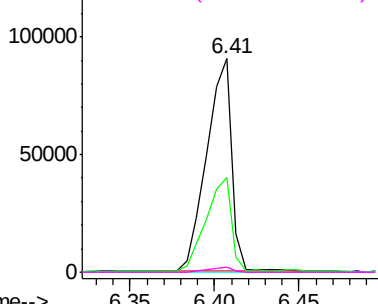


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.25 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

Tgt Ion:136 Resp: 557308

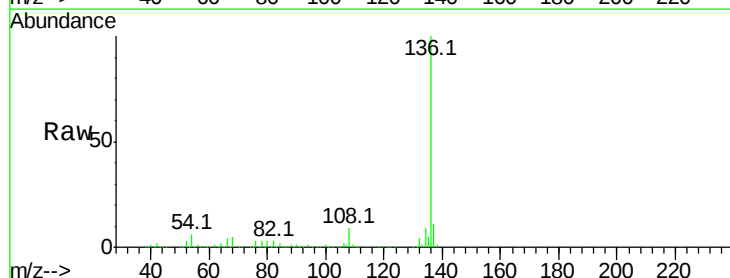
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 6.5 4.9 7.3

68 5.5 4.1 6.1

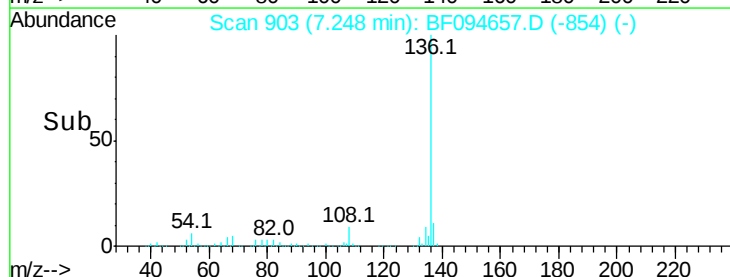
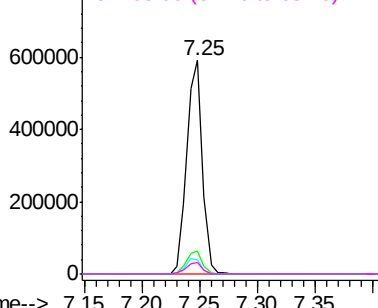


Abundance Ion 136.00 (135.70 to 136.70): E

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

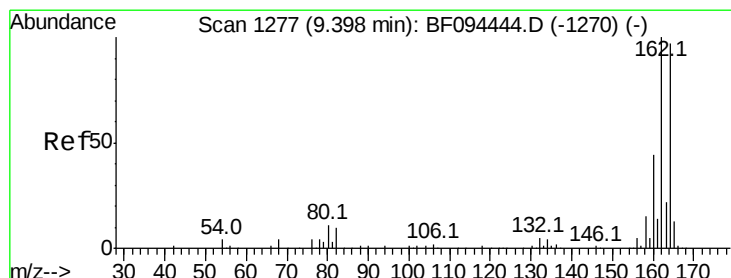
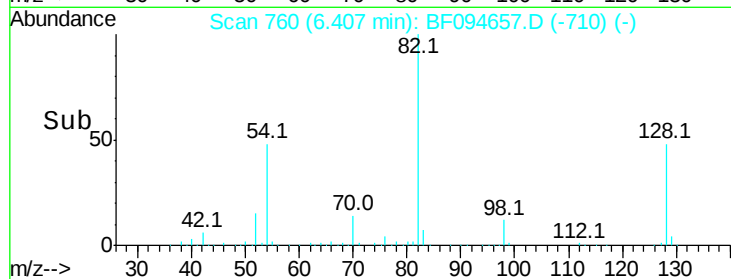
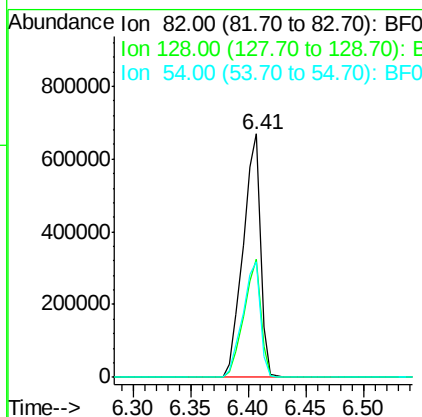
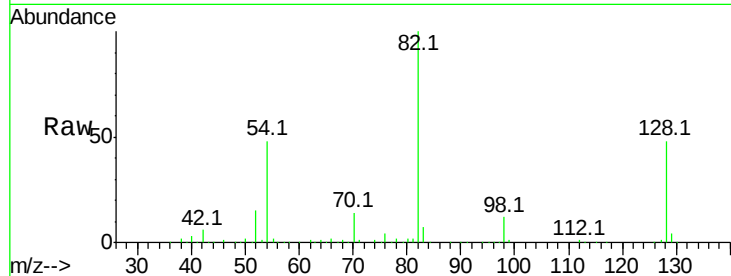




#23
 Nitrobenzene-d5
 Concen: 77.72 ng
 RT: 6.41 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF094657.D
 Acq: 26 Apr 2017 19:56

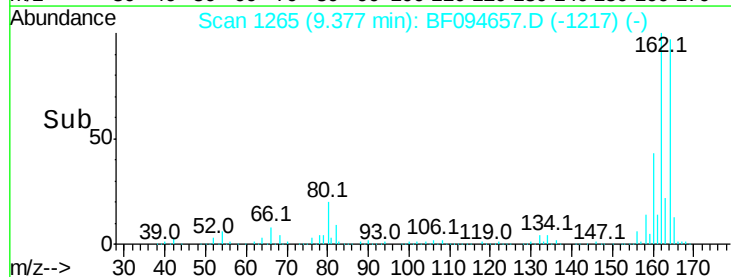
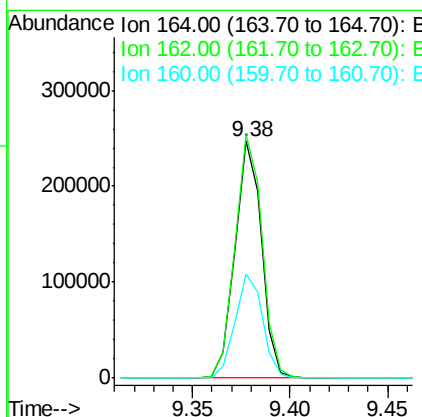
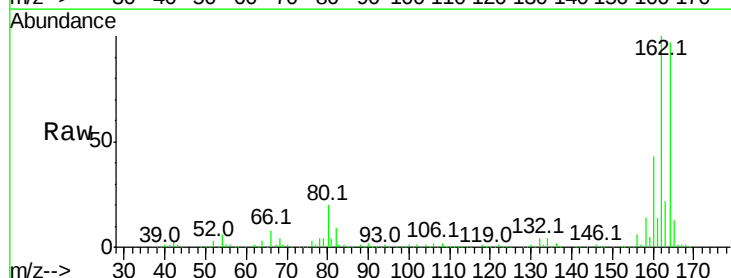
Instrument :
 BNA_F
 ClientSampleId :

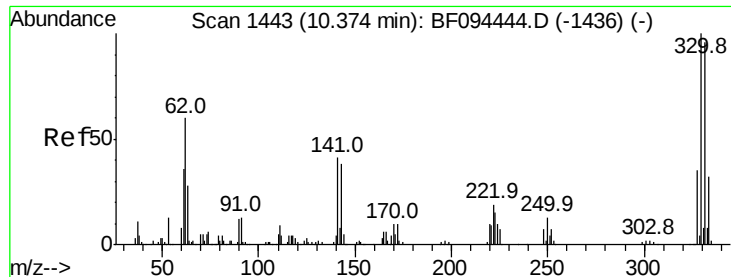
Tot Ion	82	Resp	701481
Ion Ratio	100		
Lower	34.0		
Upper	51.0		
54	47.7	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: BF094657.D
 Acq: 26 Apr 2017 19:56

Tgt Ion	164	Resp	232600
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td>82.6</td> <td></td> <td></td>	82.6		
Upper <td>123.8</td> <td></td> <td></td>	123.8		
162	102.7	36.2	54.2
160	44.1		

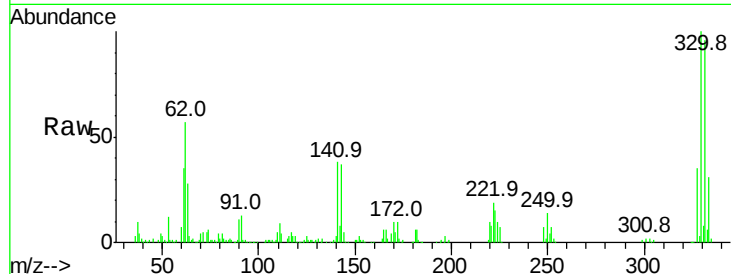




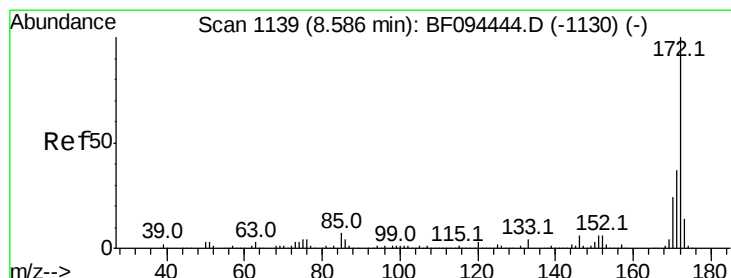
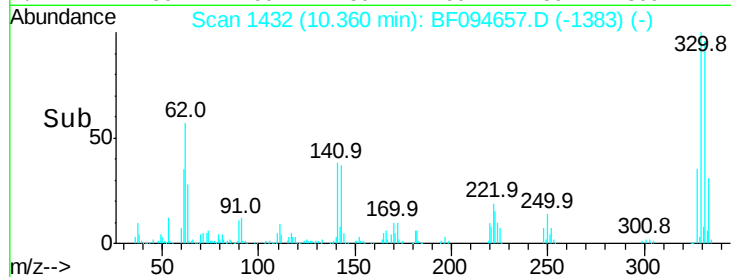
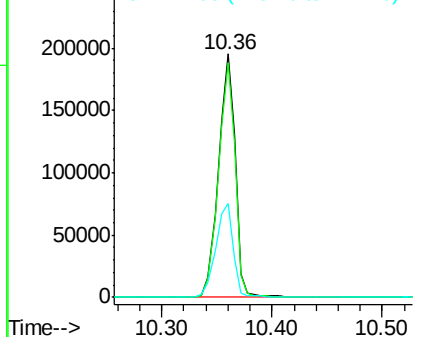
#41
 2,4,6-Tribromophenol
 Concen: 113.23 ng
 RT: 10.36 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF094657.D
 Acq: 26 Apr 2017 19:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	115.0
141	39.6	31.4	47.2

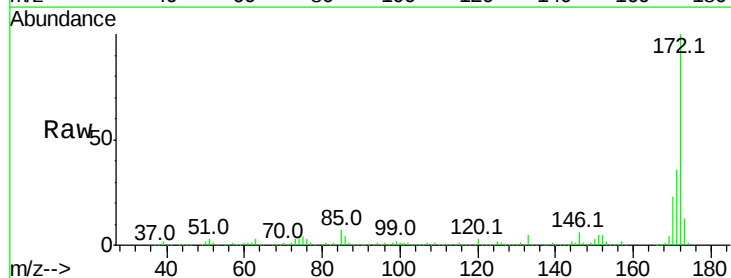


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

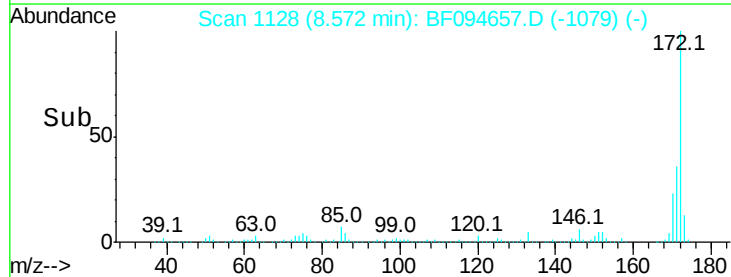
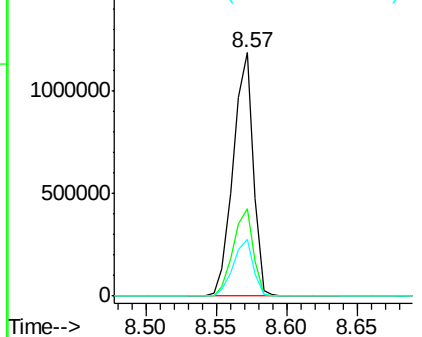


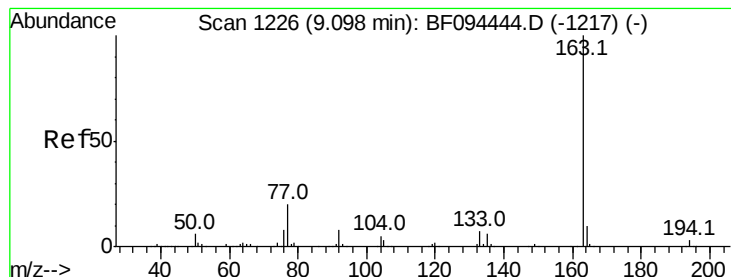
#44
 2-Fluorobiphenyl
 Concen: 74.29 ng
 RT: 8.57 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BF094657.D
 Acq: 26 Apr 2017 19:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.2	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: 9.31 ng

RT: 9.07 min Scan# 1213

Delta R.T. -0.03 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

Instrument :

BNA_F

ClientSampleId :

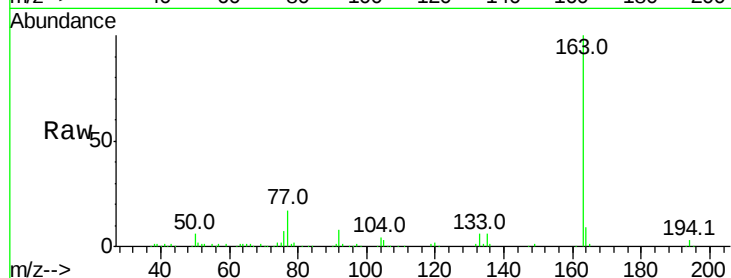
Tot Ion:163 Resp: 161459

Ion Ratio Lower Upper

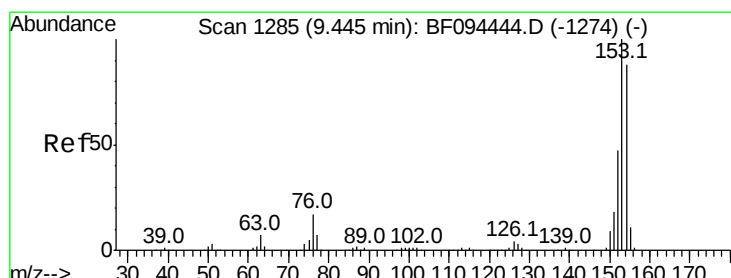
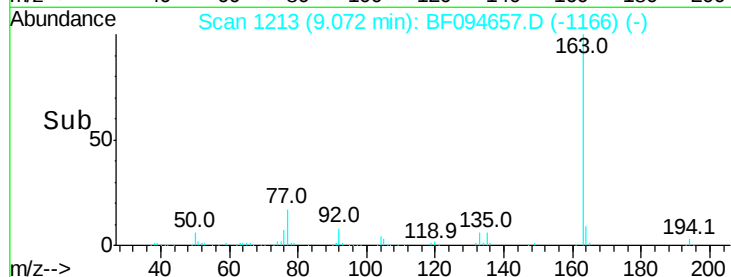
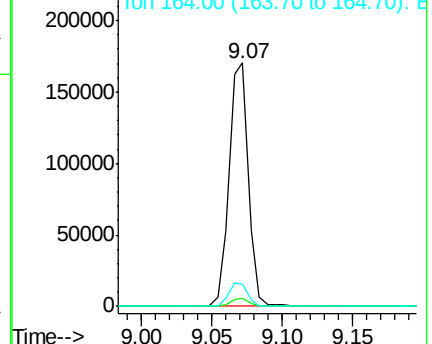
163 100

194 3.4 2.6 4.0

164 9.4 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 2.16 ng

RT: 9.42 min Scan# 1272

Delta R.T. -0.03 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

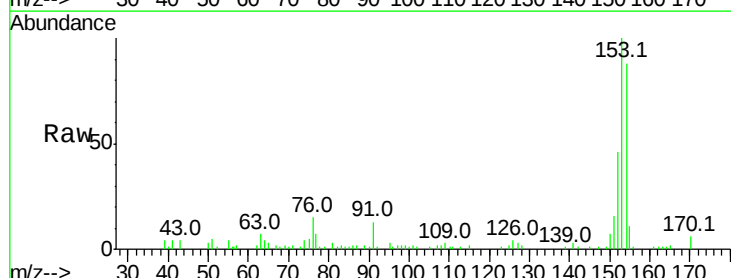
Tgt Ion:154 Resp: 30433

Ion Ratio Lower Upper

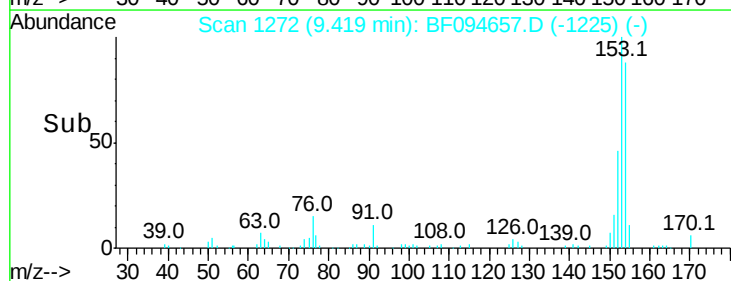
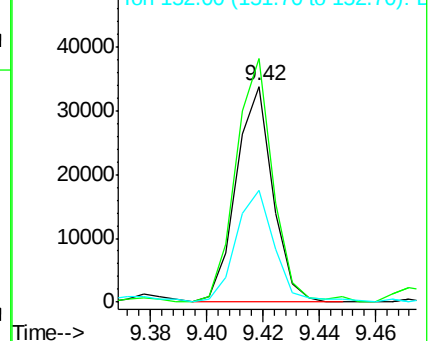
154 100

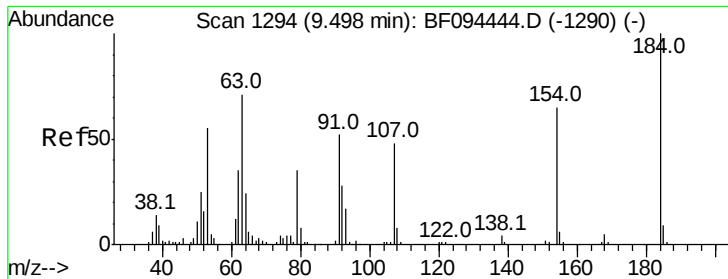
153 113.0 90.5 135.7

152 52.0 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

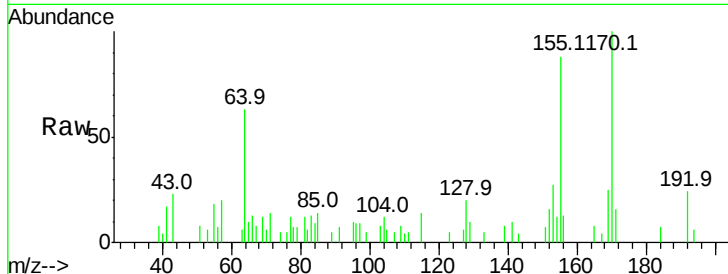




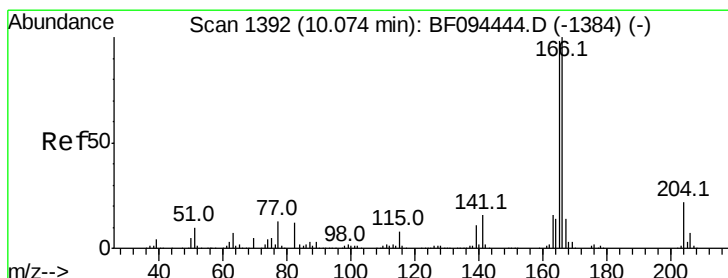
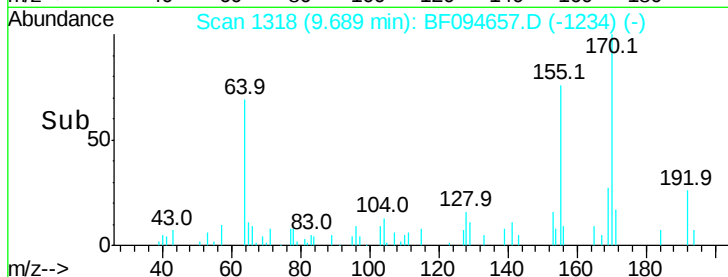
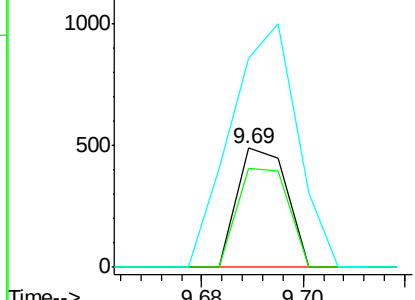
#53
2,4-Dinitrophenol
Concen: 5.90 ng
RT: 9.69 min Scan# 1318
Delta R.T. 0.19 min
Lab File: BF094657.D
Acq: 26 Apr 2017 19:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:184 Resp: 331
Ion Ratio Lower Upper
184 100
63 82.9 62.7 94.1
154 174.9 81.1 121.7#

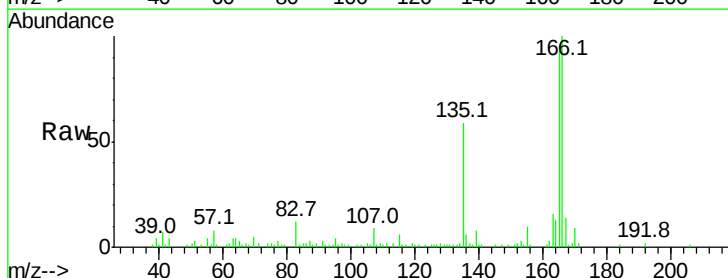


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

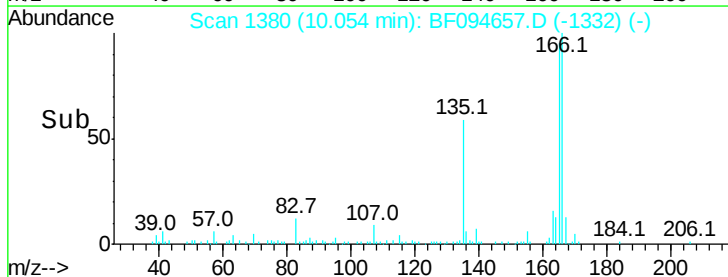
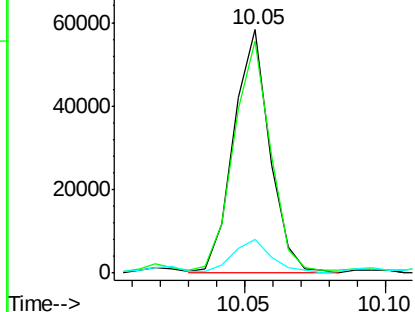


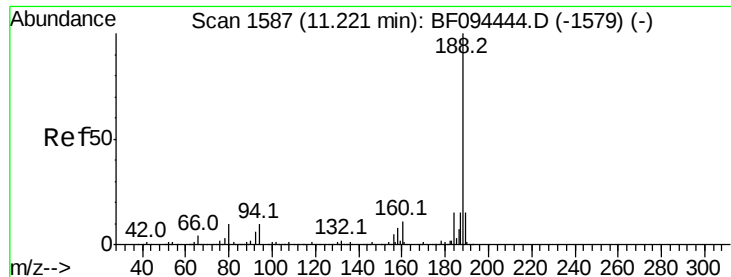
#57
Fluorene
Concen: 3.25 ng
RT: 10.05 min Scan# 1380
Delta R.T. -0.02 min
Lab File: BF094657.D
Acq: 26 Apr 2017 19:56

Tgt Ion:166 Resp: 51933
Ion Ratio Lower Upper
166 100
165 95.5 78.8 118.2
167 13.8 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

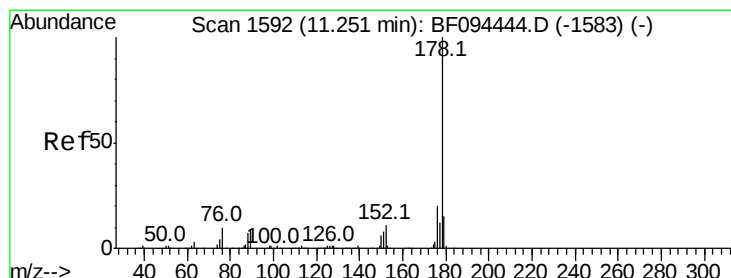
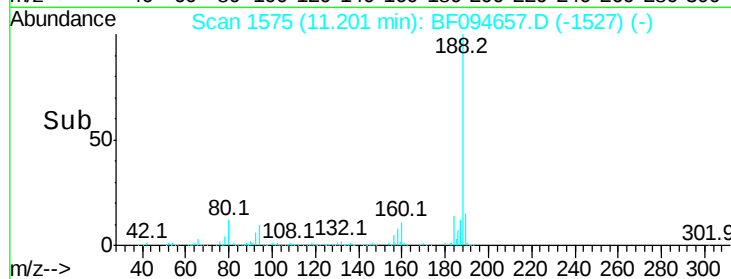
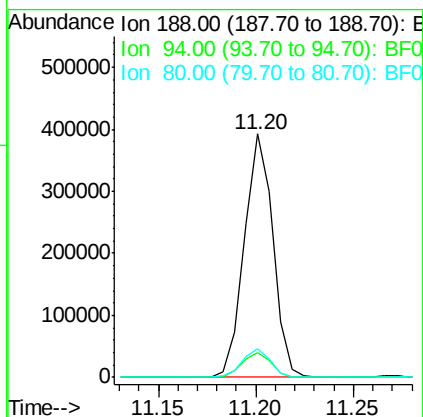
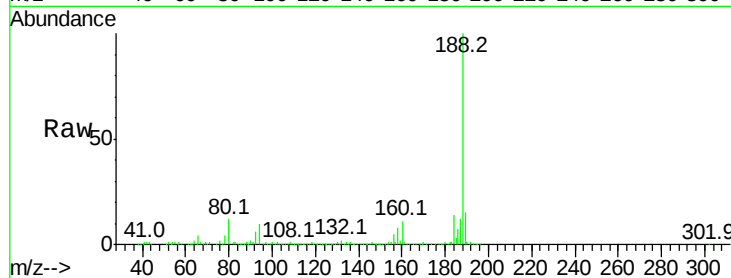




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF094657.D
Acq: 26 Apr 2017 19:56

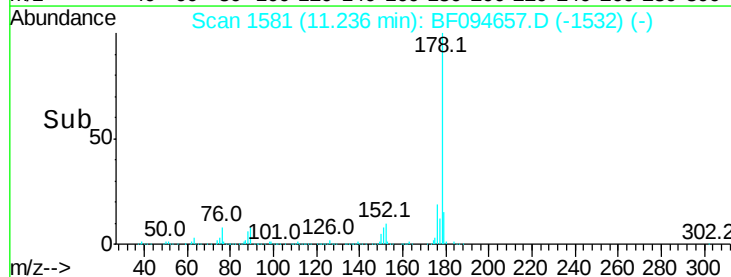
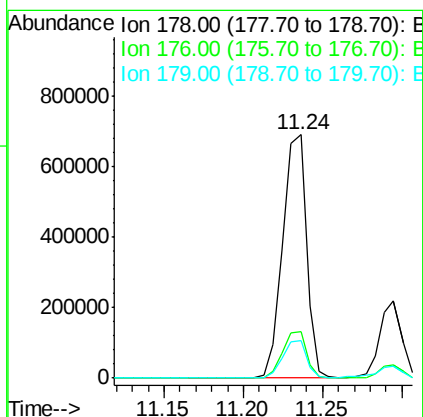
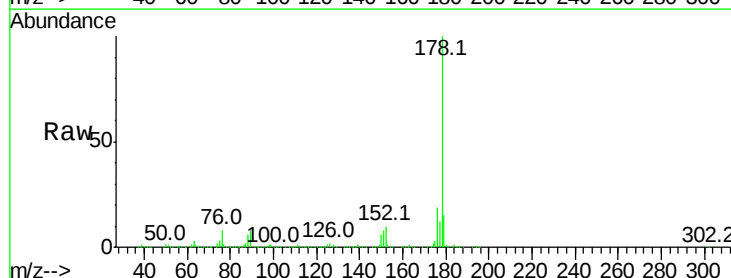
Instrument :
BNA_F
ClientSampled :

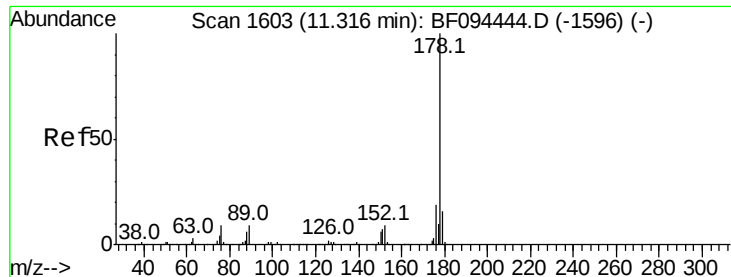
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.3	9.4	14.2
80	11.7	10.2	15.2



#70
Phenanthrene
Concen: 32.28 ng
RT: 11.24 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF094657.D
Acq: 26 Apr 2017 19:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.2	24.4
179	15.5	12.6	19.0

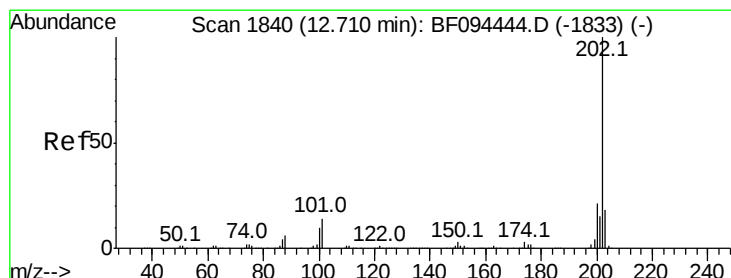
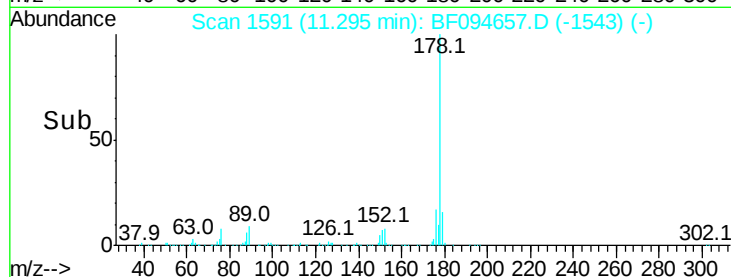
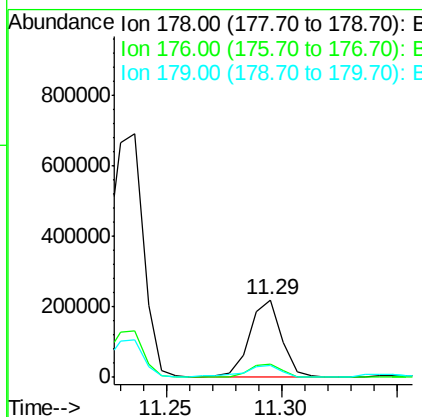
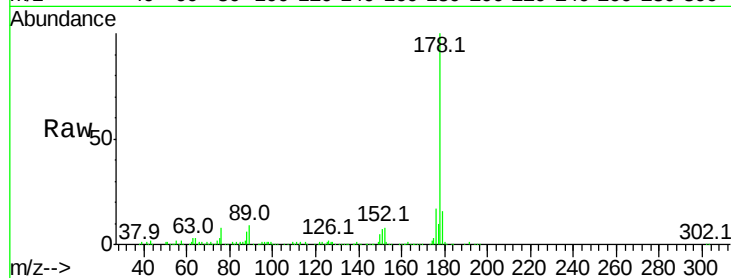




#71
 Anthracene
 Concen: 9.08 ng
 RT: 11.29 min Scan# 1591
 Delta R.T. -0.02 min
 Lab File: BF094657.D
 Acq: 26 Apr 2017 19:56

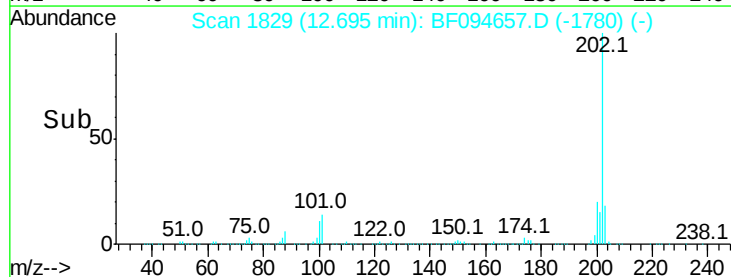
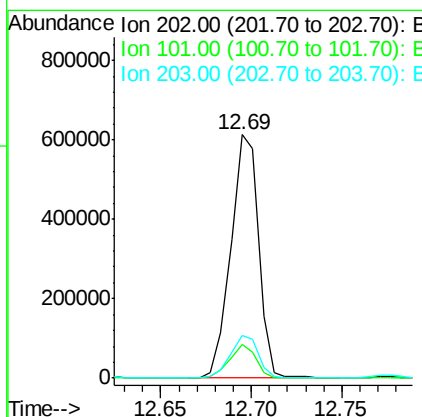
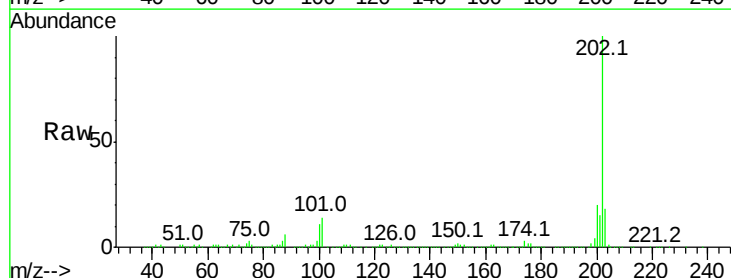
Instrument :
 BNA_F
 ClientSampleId :

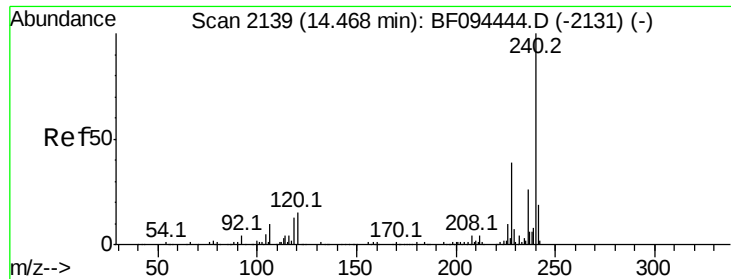
Tot Ion:178 Resp: 210458
 Ion Ratio Lower Upper
 178 100
 176 17.1 15.8 23.8
 179 15.6 12.7 19.1



#74
 Fluoranthene
 Concen: 28.26 ng
 RT: 12.69 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF094657.D
 Acq: 26 Apr 2017 19:56

Tgt Ion:202 Resp: 656473
 Ion Ratio Lower Upper
 202 100
 101 13.9 0.0 33.2
 203 17.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.45 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

Instrument :

BNA_F

ClientSampleId :

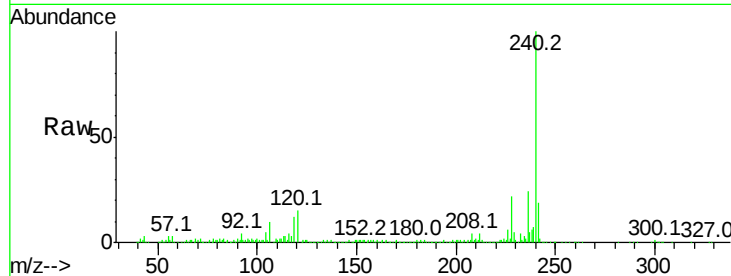
Tot Ion:240 Resp: 270467

Ion Ratio Lower Upper

240 100

120 14.7 5.8 8.8#

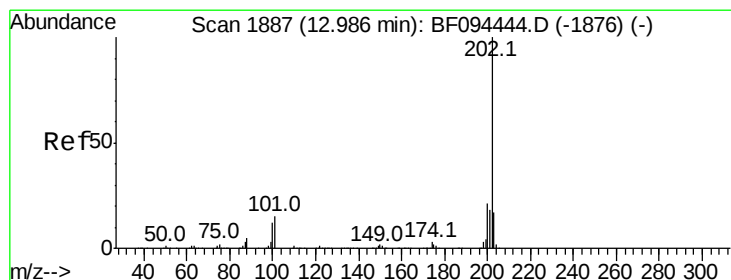
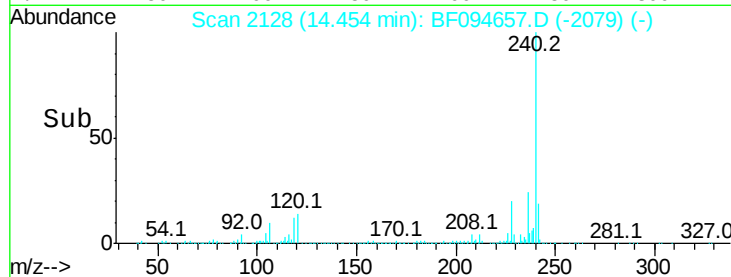
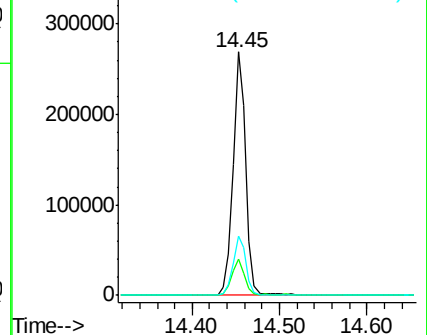
236 24.4 20.5 30.7



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: 31.83 ng

RT: 12.97 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

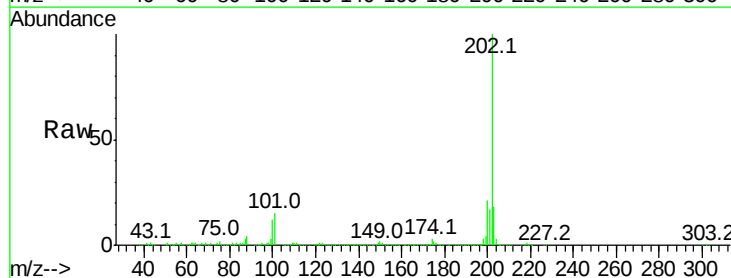
Tgt Ion:202 Resp: 601547

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

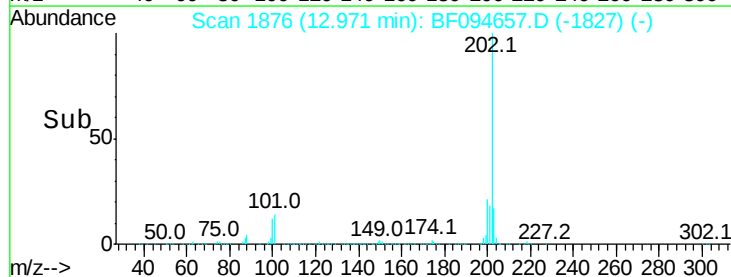
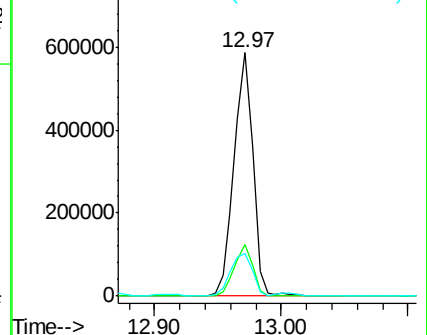
203 17.6 14.4 21.6

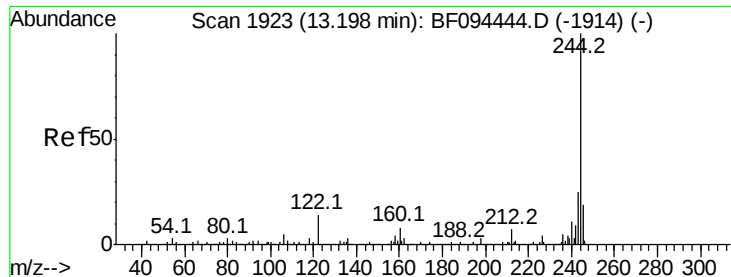


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 63.67 ng

RT: 13.18 min Scan# 1912

Delta R.T. -0.01 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

Instrument :

BNA_F

ClientSampleId :

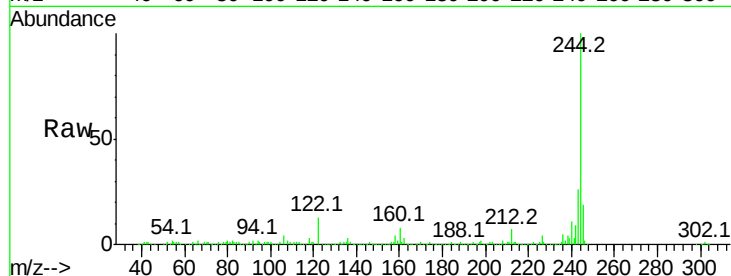
Tot Ion:244 Resp: 644270

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

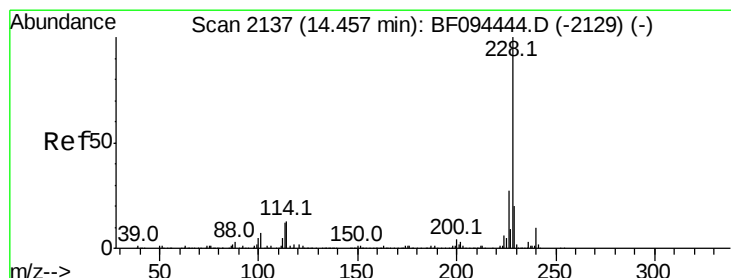
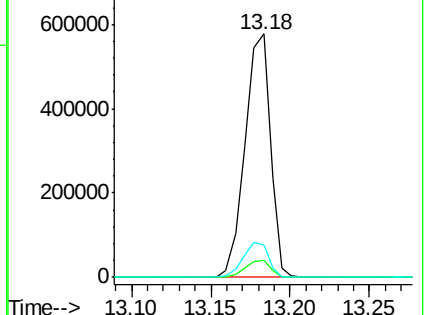
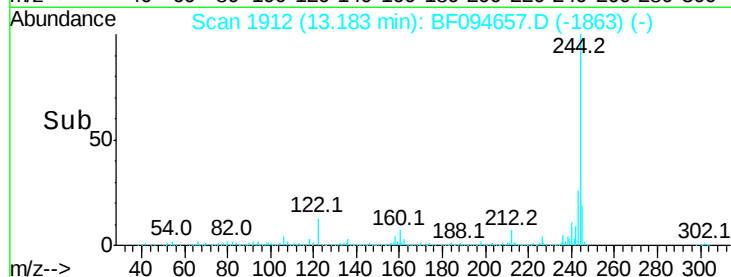
122 13.4 10.3 15.5



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: 12.90 ng

RT: 14.44 min Scan# 2126

Delta R.T. -0.01 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

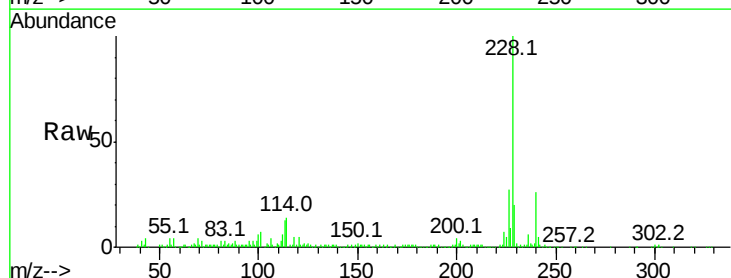
Tgt Ion:228 Resp: 202830

Ion Ratio Lower Upper

228 100

226 27.3 22.6 33.8

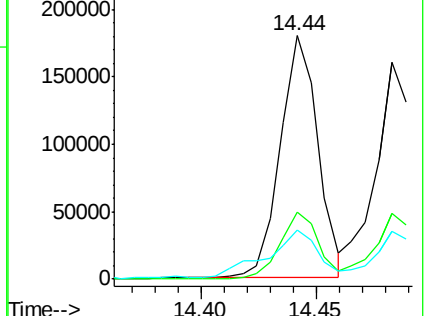
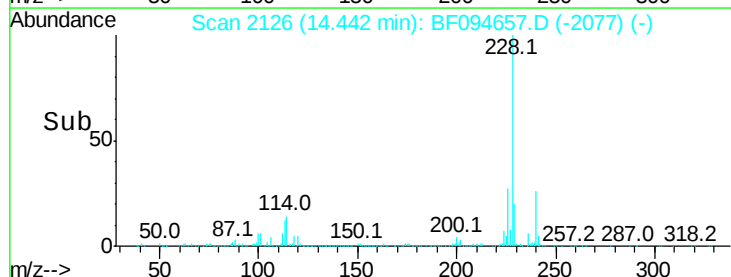
229 20.1 16.3 24.5

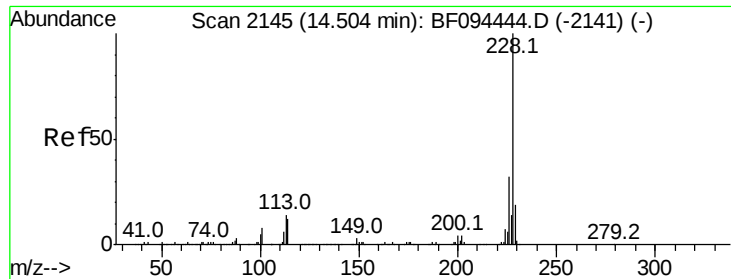


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

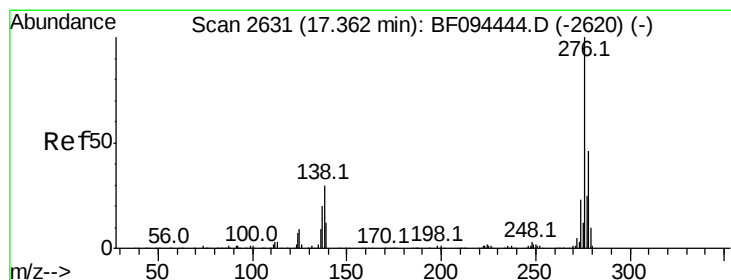
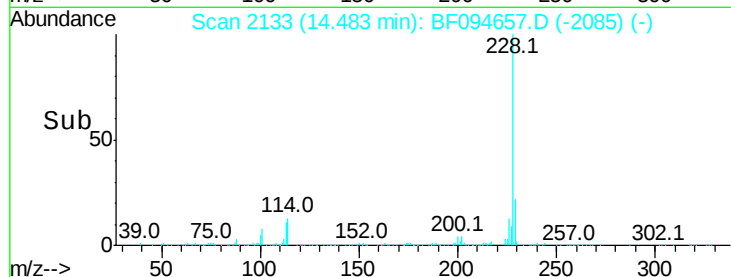
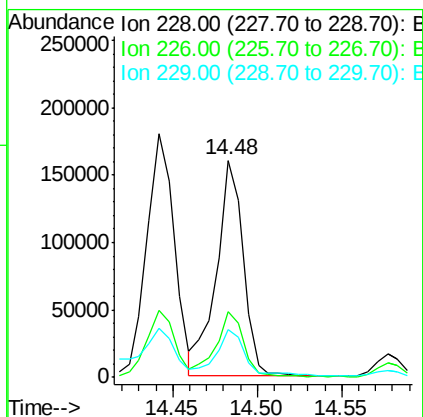
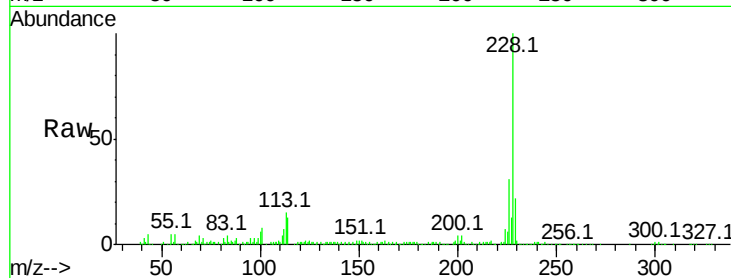




#82
 Chrysene
 Concen: 12.46 ng
 RT: 14.48 min Scan# 2133
 Delta R.T. -0.02 min
 Lab File: BF094657.D
 Acq: 26 Apr 2017 19:56

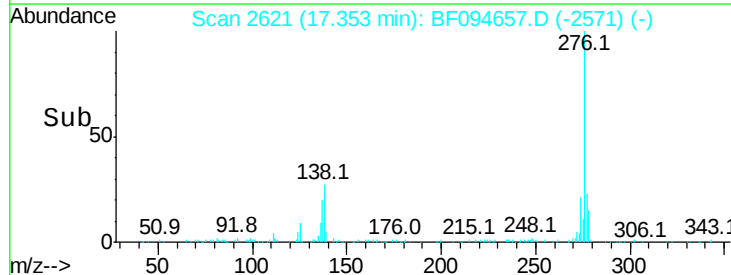
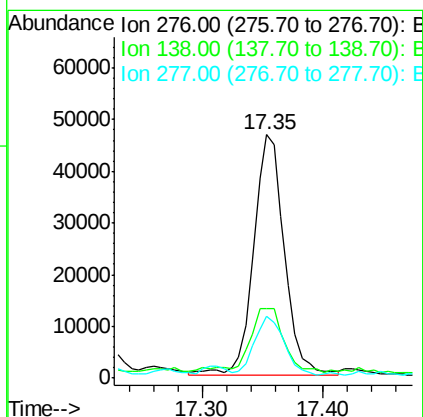
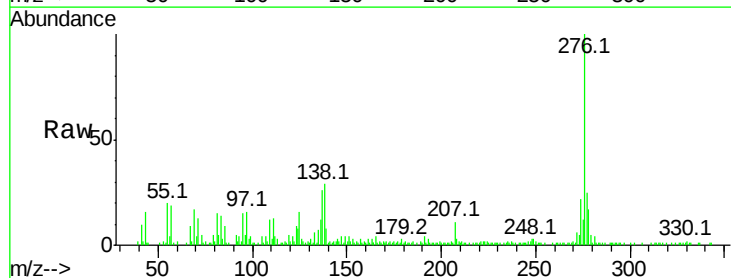
Instrument :
 BNA_F
 ClientSampleId :

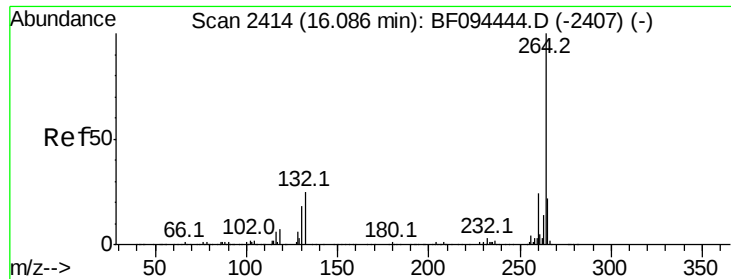
Tot Ion:228 Resp: 179078
 Ion Ratio Lower Upper
 228 100
 226 30.5 24.9 37.3
 229 21.8 15.8 23.6



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.01 ng
 RT: 17.35 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: BF094657.D
 Acq: 26 Apr 2017 19:56

Tgt Ion:276 Resp: 82138
 Ion Ratio Lower Upper
 276 100
 138 31.5 27.8 41.6
 277 23.2 20.2 30.4

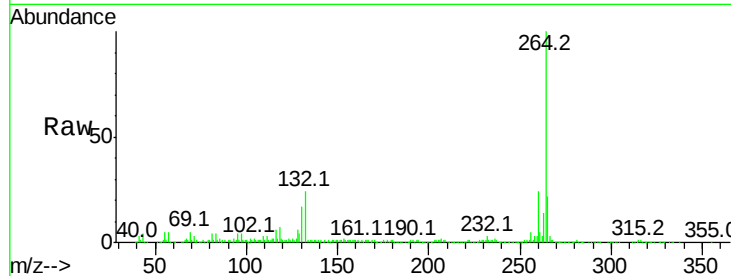




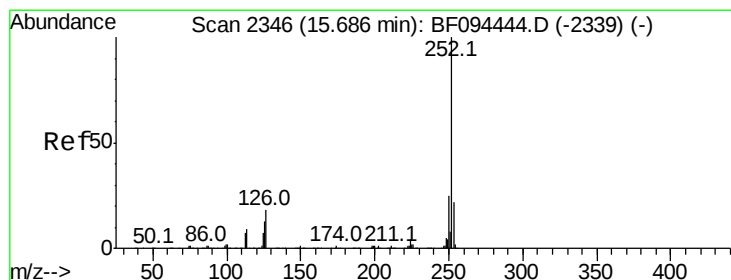
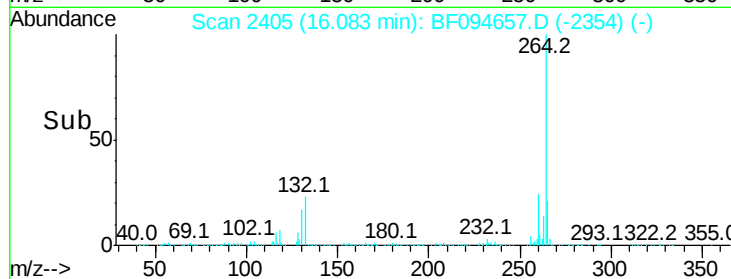
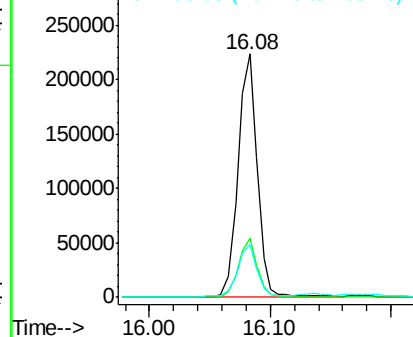
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2405
Delta R.T. -0.00 min
Lab File: BF094657.D
Acq: 26 Apr 2017 19:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 250721
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 21.6 17.2 25.8

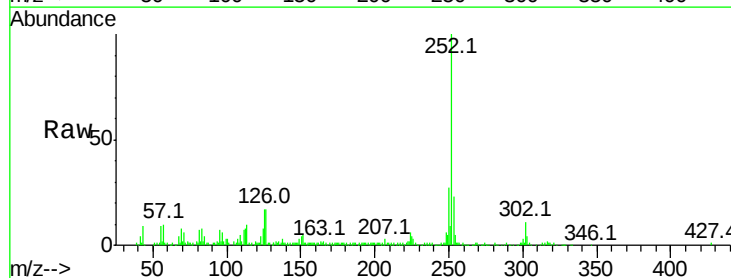


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

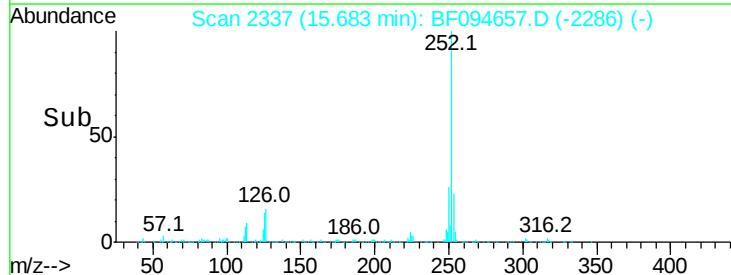
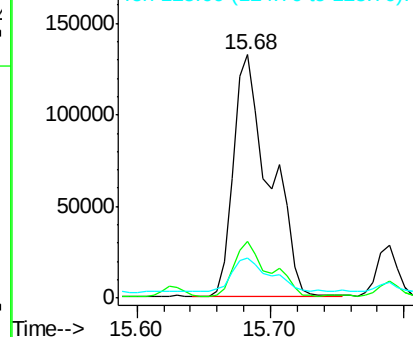


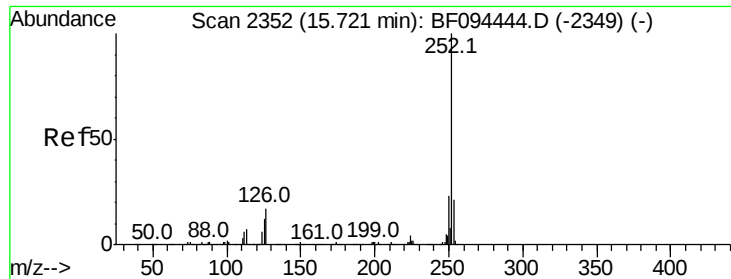
#87
Benzo(b)fluoranthene
Concen: 16.27 ng
RT: 15.68 min Scan# 2337
Delta R.T. -0.00 min
Lab File: BF094657.D
Acq: 26 Apr 2017 19:56

Tgt Ion:252 Resp: 249558
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 16.6 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: 17.19 ng

RT: 15.68 min Scan# 2337

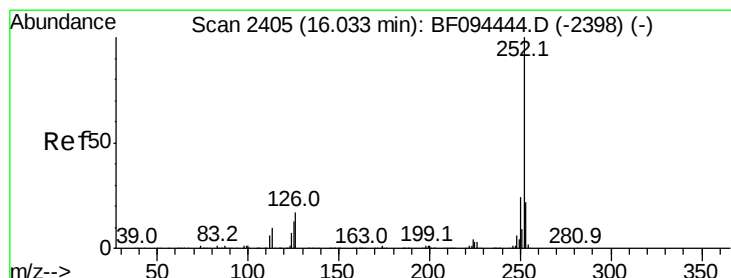
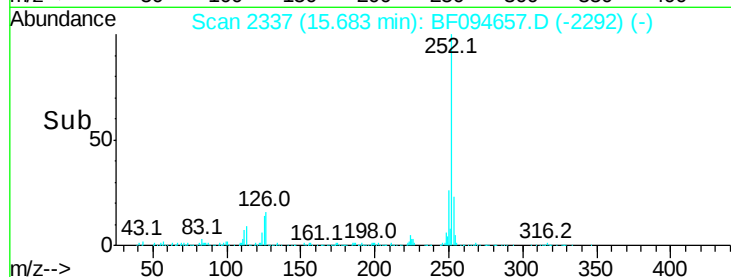
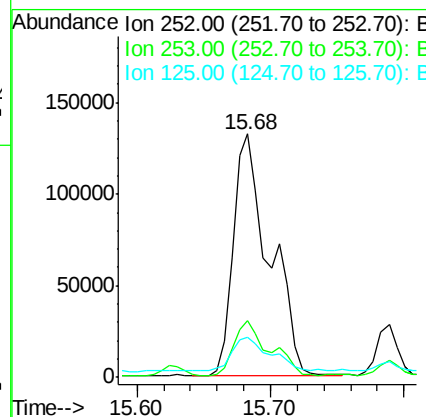
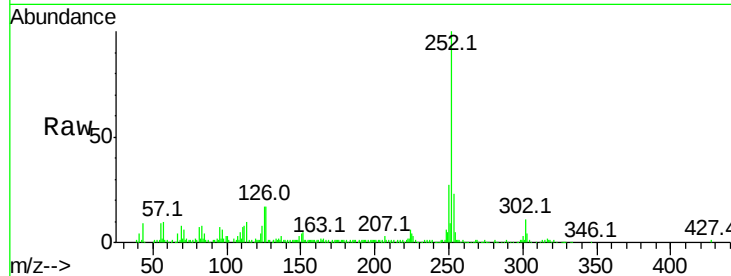
Delta R.T. -0.04 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	16.6	13.1	19.7



#89

Benzo(a)pyrene

Concen: 11.22 ng

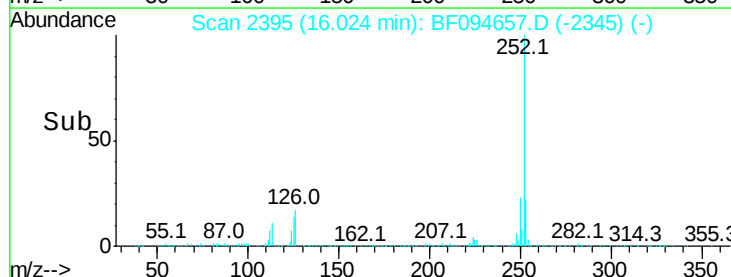
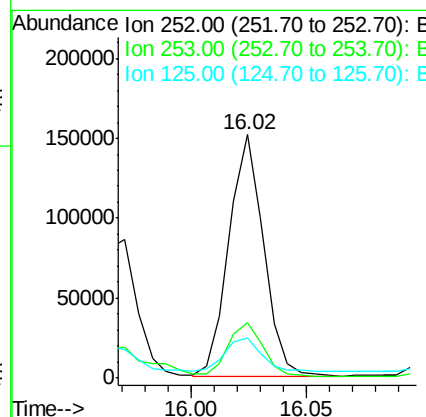
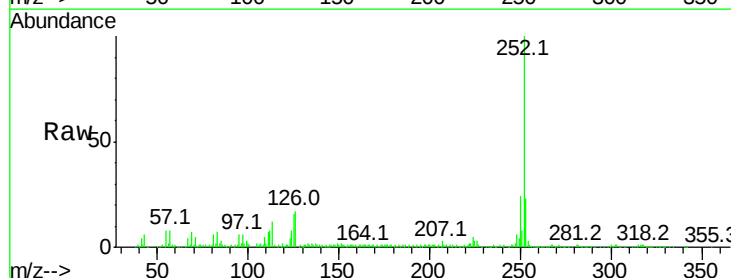
RT: 16.02 min Scan# 2395

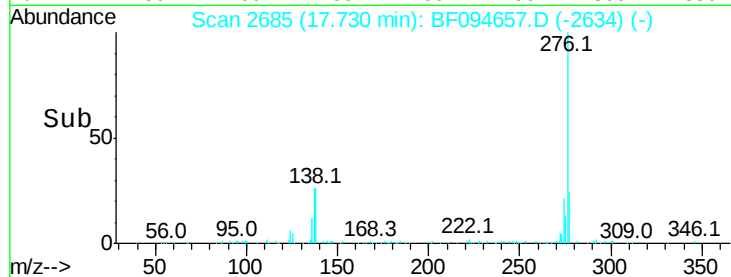
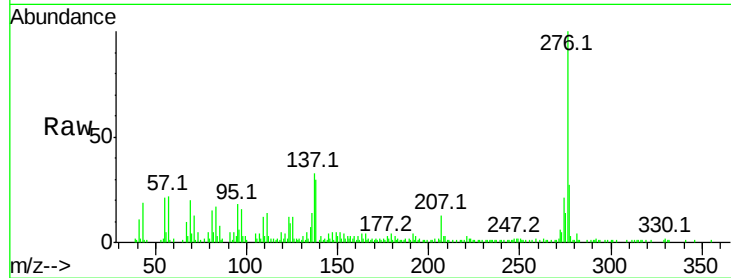
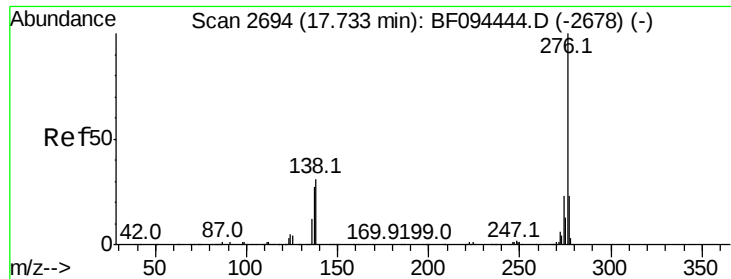
Delta R.T. -0.01 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	16.4	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 6.30 ng

RT: 17.73 min Scan# 2685

Delta R.T. -0.00 min

Lab File: BF094657.D

Acq: 26 Apr 2017 19:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 76050

Ion Ratio Lower Upper

276 100

277 26.5 18.6 28.0

138 29.7 25.4 38.0

