

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041817\
 Data File : BF094509.D
 Acq On : 19 Apr 2017 1:46
 Operator : SJ/MA
 Sample : I2708-08 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 03:04:18 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

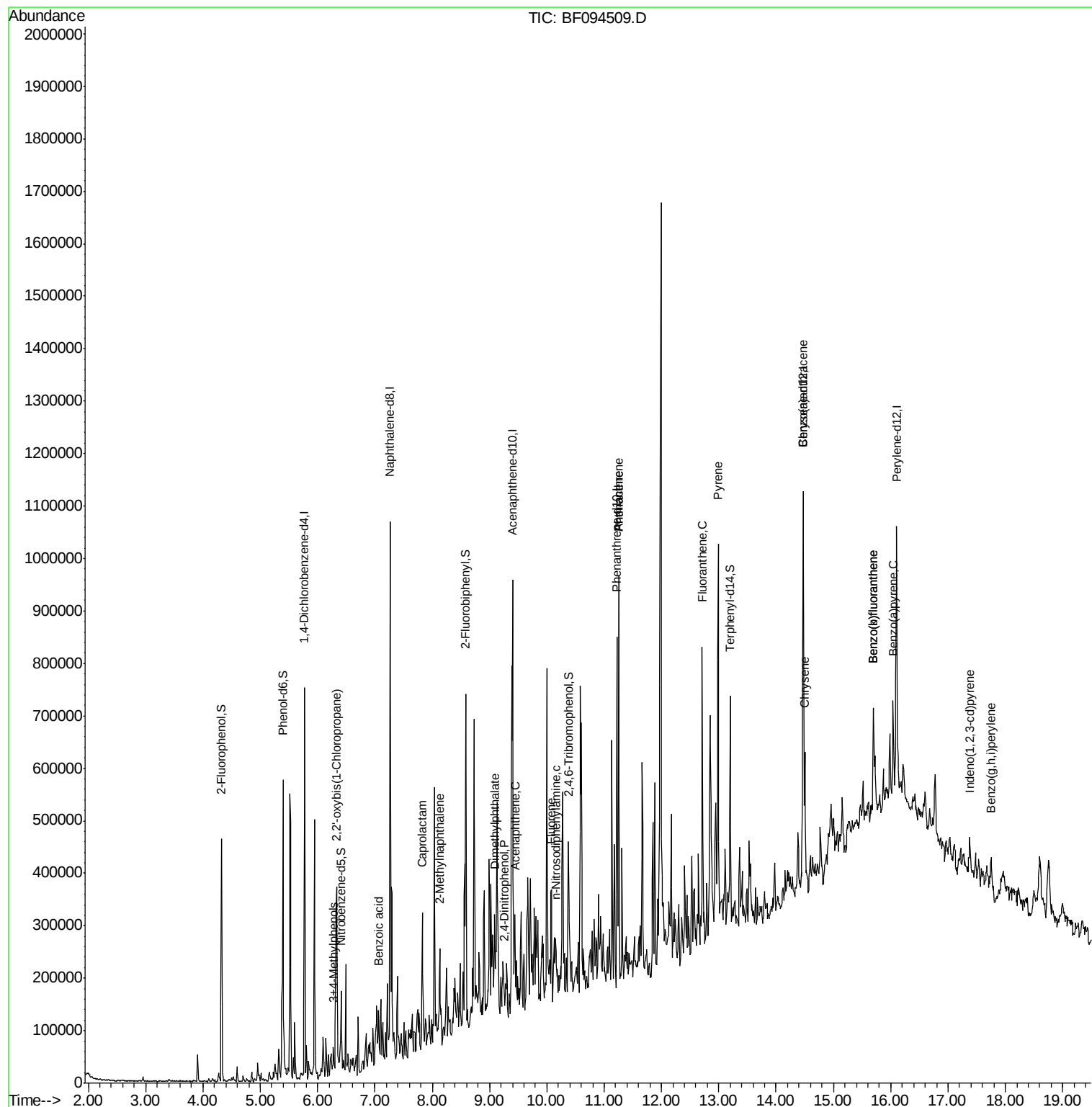
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	110204	20.00	ng	0.00
21) Naphthalene-d8	7.27	136	429618	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	160299	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	259258	20.00	ng	0.00
75) Chrysene-d12	14.48	240	262747	20.00	ng	0.00
86) Perylene-d12	16.10	264	197756	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	148191	22.31	ng	0.02
7) Phenol-d6	5.40	99	184482	23.56	ng	0.00
23) Nitrobenzene-d5	6.41	82	43646	6.27	ng	0.00
41) 2,4,6-Tribromophenol	10.38	330	20466	16.32	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	212009	19.46	ng	0.00
78) Terphenyl-d14	13.20	244	147753	15.03	ng	0.00
Target Compounds						Qvalue
16) 2,2'-oxybis(1-Chloropropan	6.33	45	21966	2.38	ng	# 1
20) 3+4-Methylphenols	6.28	107	16908	2.09	ng	# 64
32) Benzoic acid	7.06	122	21018	6.22	ng	# 26
35) Caprolactam	7.83	113	5026	2.69	ng	# 30
37) 2-Methylnaphthalene	8.14	142	43111	3.05	ng	99
49) Dimethylphthalate	9.09	163	71482	5.98	ng	98
51) Acenaphthene	9.44	154	22895	2.35	ng	98
53) 2,4-Dinitrophenol	9.26	184	225	5.90	ng	# 4
57) Fluorene	10.08	166	34758	3.16	ng	# 92
65) n-Nitrosodiphenylamine	10.14	169	21526	2.39	ng	93
70) Phenanthrene	11.25	178	309250	21.18	ng	98
71) Anthracene	11.25	178	309250	20.48	ng	99
74) Fluoranthene	12.72	202	277761	18.36	ng	99
77) Pyrene	12.99	202	297859	16.23	ng	98
80) Benzo(a)anthracene	14.47	228	119954	7.85	ng	99
82) Chrysene	14.51	228	118123	8.46	ng	96
85) Indeno(1,2,3-cd)pyrene	17.38	276	40822	3.07	ng	92
87) Benzo(b)fluoranthene	15.70	252	142367	11.77	ng	# 95
88) Benzo(k)fluoranthene	15.70	252	142367	12.44	ng	98
89) Benzo(a)pyrene	16.04	252	78788	7.00	ng	# 93
91) Benzo(g,h,i)perylene	17.75	276	38425	4.04	ng	94

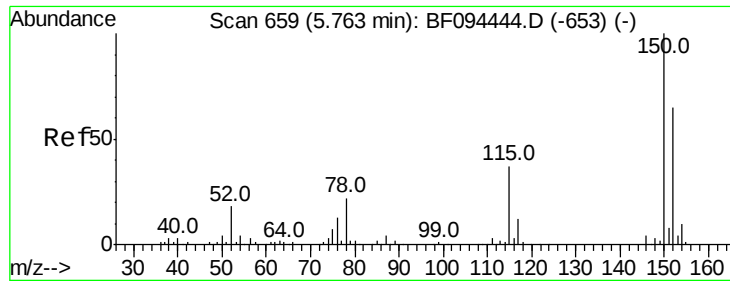
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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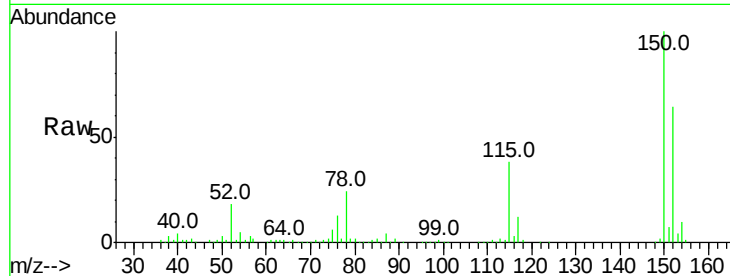


#1

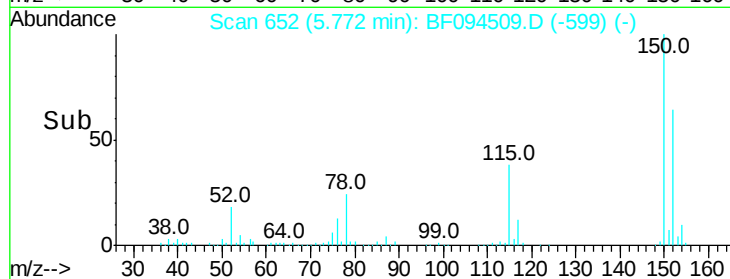
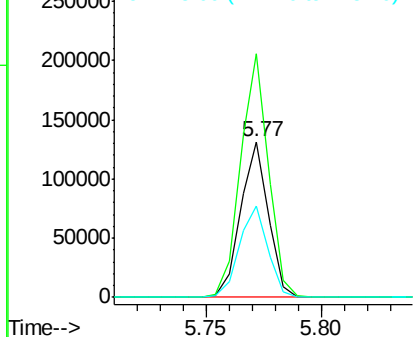
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 652
Delta R.T. 0.01 min
Lab File: BF094509.D
Acq: 19 Apr 2017 1:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 110204
Ion Ratio Lower Upper
152 100
150 156.5 126.2 189.2
115 58.7 52.2 78.2



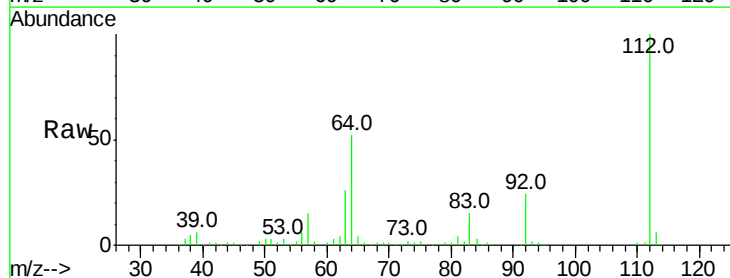
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



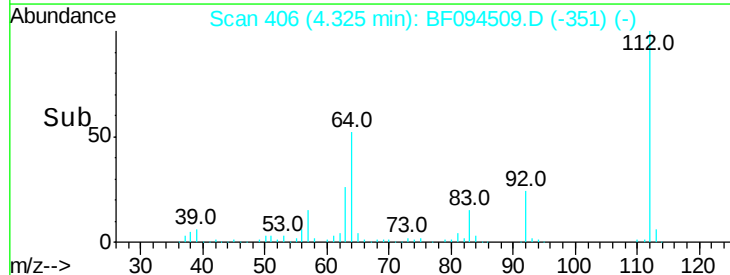
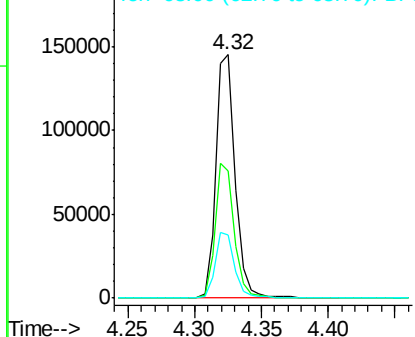
#5

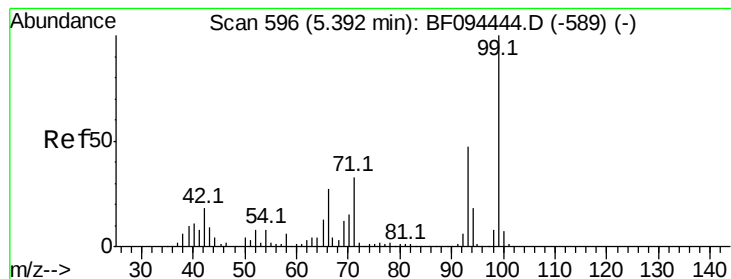
2-Fluorophenol
Concen: 22.31 ng
RT: 4.32 min Scan# 406
Delta R.T. 0.02 min
Lab File: BF094509.D
Acq: 19 Apr 2017 1:46

Tgt Ion:112 Resp: 148191
Ion Ratio Lower Upper
112 100
64 52.3 46.0 69.0
63 25.7 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: 23.56 ng

RT: 5.40 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF094509.D

Acq: 19 Apr 2017 1:46

Instrument :

BNA_F

ClientSampled :

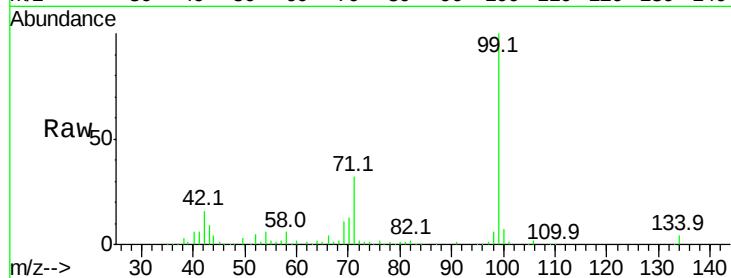
Tot Ion: 99 Resp: 184482

Ion Ratio Lower Upper

99 100

42 16.4 13.5 20.3

71 32.3 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

250000

200000

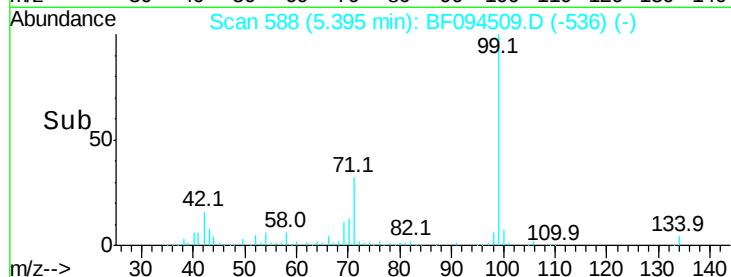
150000

100000

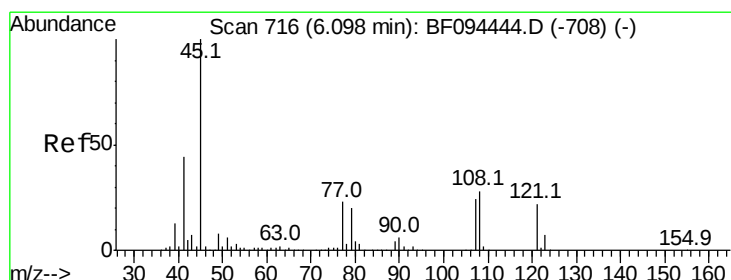
50000

0

5.30 5.40 5.50



Time-->



#16

2,2'-oxybis(1-Chloropropane)

Concen: 2.38 ng

RT: 6.33 min Scan# 747

Delta R.T. 0.23 min

Lab File: BF094509.D

Acq: 19 Apr 2017 1:46

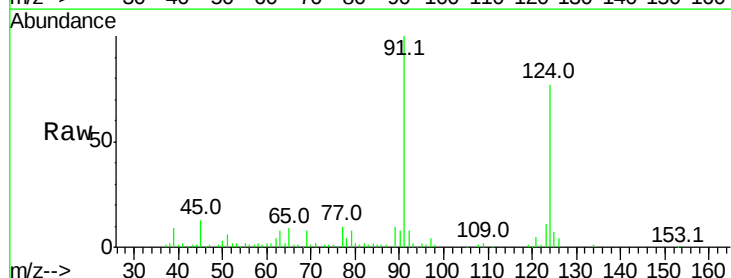
Tgt Ion: 45 Resp: 21966

Ion Ratio Lower Upper

45 100

77 76.9 0.0 33.2#

79 59.1 0.0 30.0#



Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

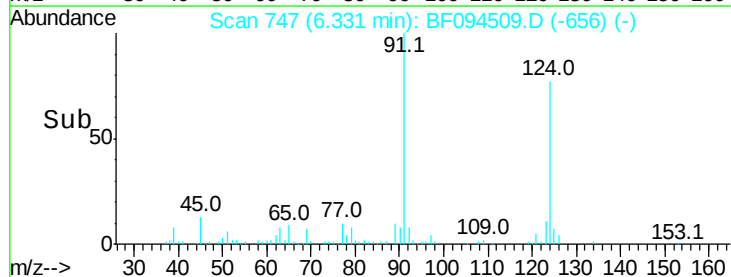
15000

10000

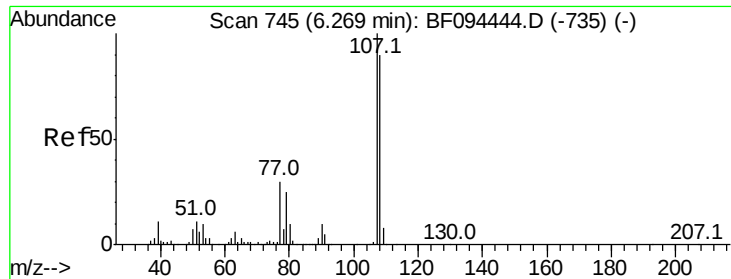
5000

0

6.25 6.30 6.35 6.40



Time-->



#20

3+4-Methylphenols

Concen: 2.09 ng

RT: 6.28 min Scan# 738

Delta R.T. 0.01 min

Lab File: BF094509.D

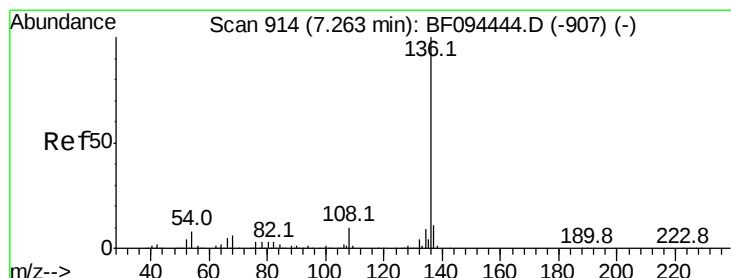
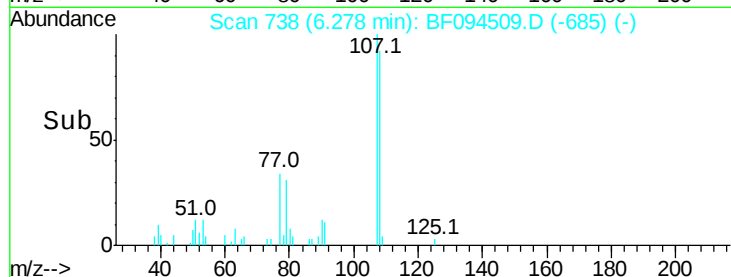
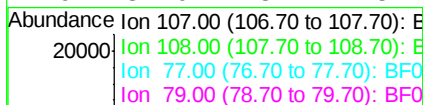
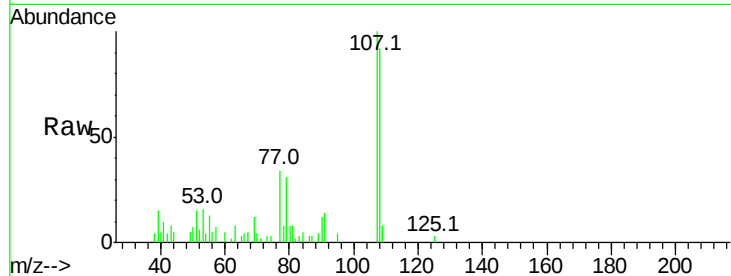
Acq: 19 Apr 2017 1:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	107	Resp:	16908
Ion	Ratio	Lower	Upper
107	100		
108	92.3	71.0	111.0
77	33.9	90.5	130.5#
79	31.0	8.4	48.4



#21

Naphthalene-d8

Concen: 20.00 ng

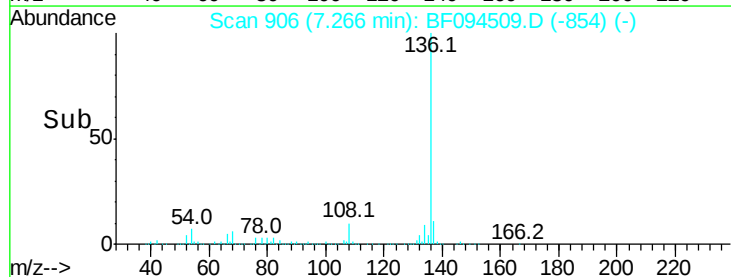
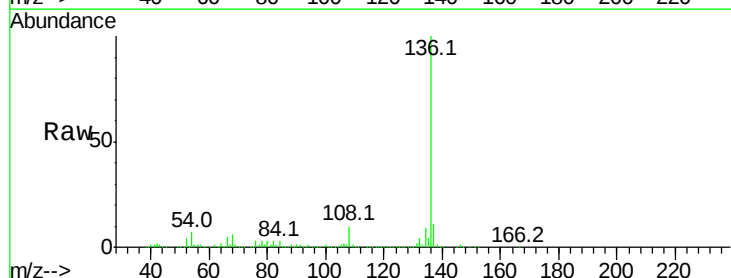
RT: 7.27 min Scan# 906

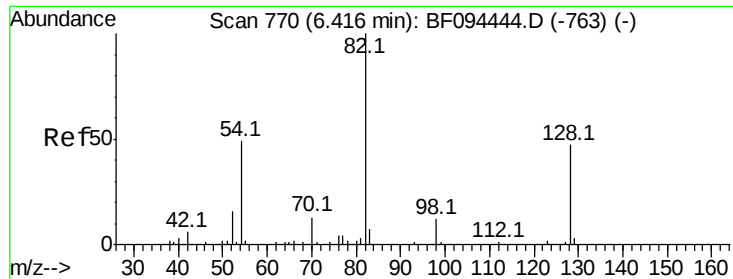
Delta R.T. 0.00 min

Lab File: BF094509.D

Acq: 19 Apr 2017 1:46

Tgt Ion:	136	Resp:	429618
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	7.2	4.9	7.3
68	5.9	4.1	6.1

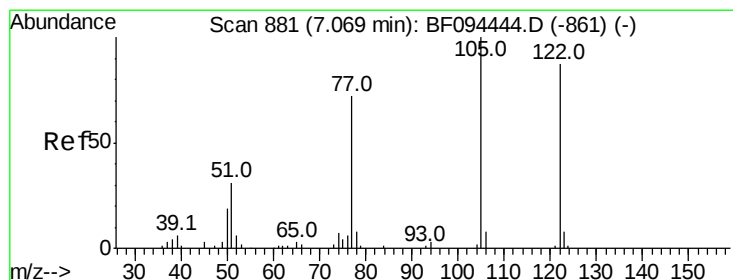
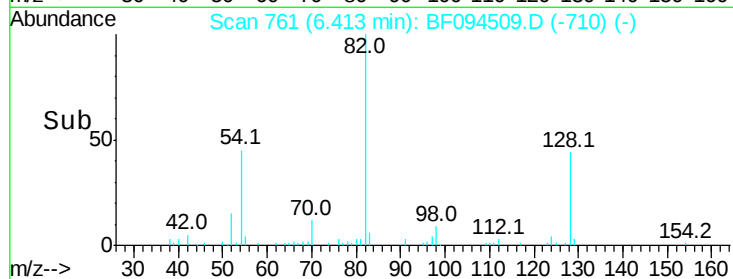
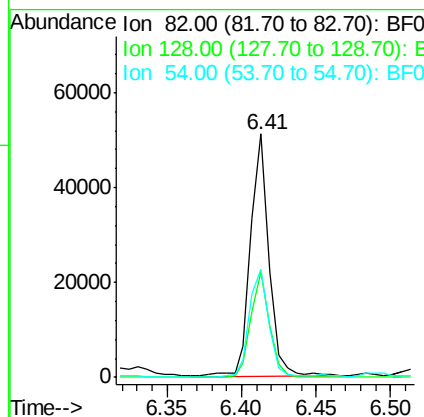
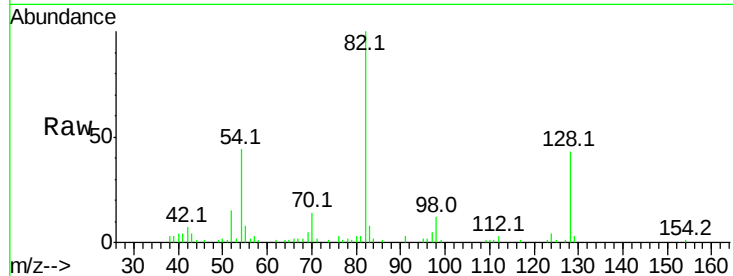




#23
 Nitrobenzene-d5
 Concen: 6.27 ng
 RT: 6.41 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BF094509.D
 Acq: 19 Apr 2017 1:46

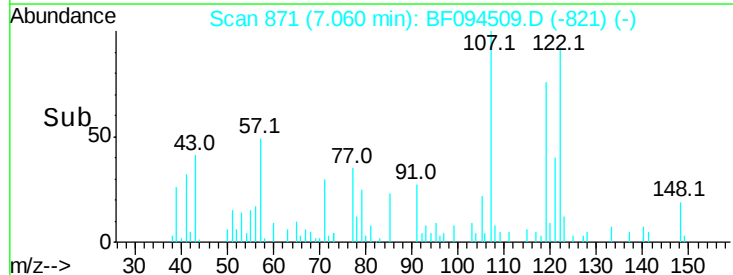
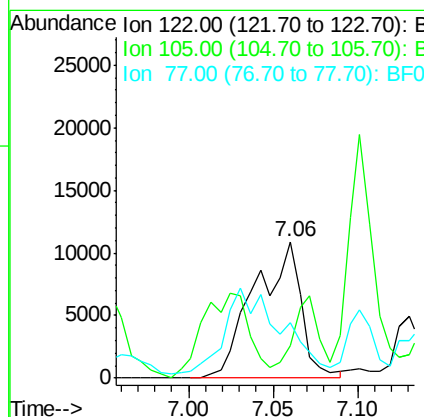
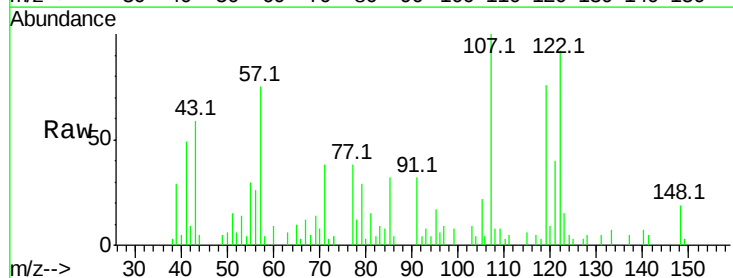
Instrument :
 BNA_F
 ClientSampleId :

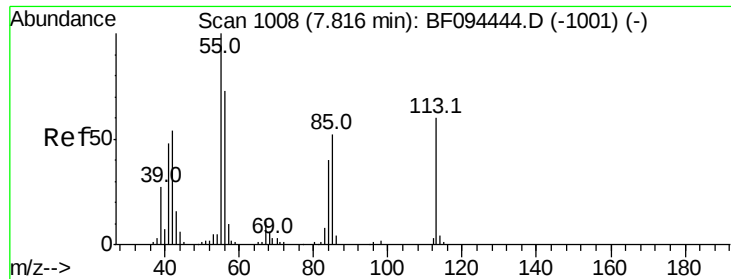
Tot Ion	Ratio	Lower	Upper
82	100		
128	43.2	34.0	51.0
54	44.3	42.2	63.2



#32
 Benzoic acid
 Concen: 6.22 ng
 RT: 7.06 min Scan# 871
 Delta R.T. -0.01 min
 Lab File: BF094509.D
 Acq: 19 Apr 2017 1:46

Tgt Ion	Ratio	Lower	Upper
122	100		
105	23.9	103.3	143.3#
77	40.7	73.7	113.7#





#35

Caprolactam

Concen: 2.69 ng

RT: 7.83 min Scan# 1002

Delta R.T. 0.01 min

Lab File: BF094509.D

Acq: 19 Apr 2017 1:46

Instrument :

BNA_F

ClientSampled :

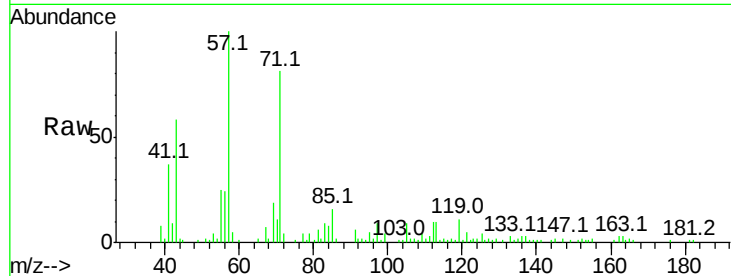
Tot Ion:113 Resp: 5026

Ion Ratio Lower Upper

113 100

55 241.4 150.2 190.2#

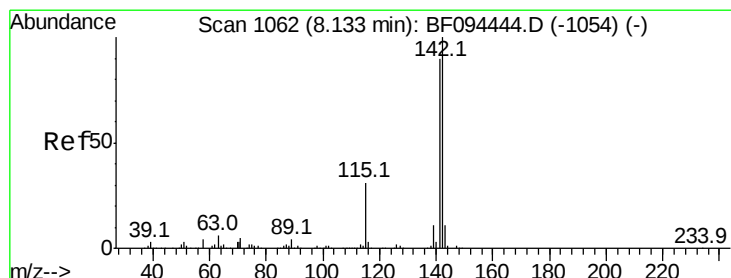
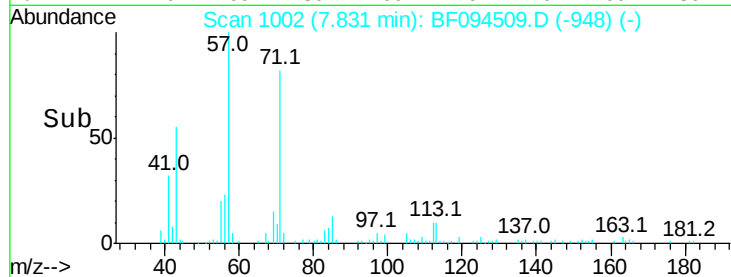
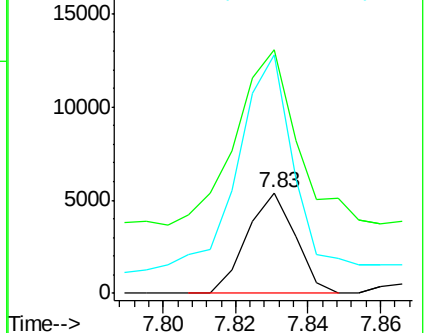
56 236.1 107.8 147.8#



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: 3.05 ng

RT: 8.14 min Scan# 1054

Delta R.T. 0.00 min

Lab File: BF094509.D

Acq: 19 Apr 2017 1:46

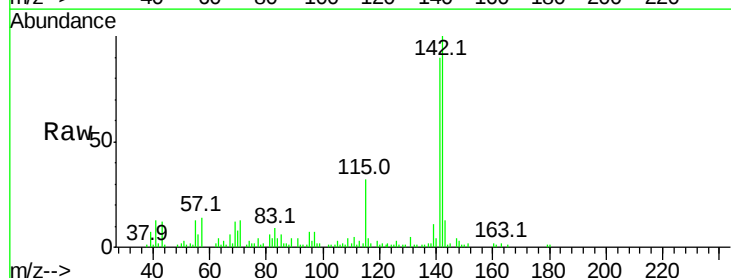
Tgt Ion:142 Resp: 43111

Ion Ratio Lower Upper

142 100

141 89.5 71.3 106.9

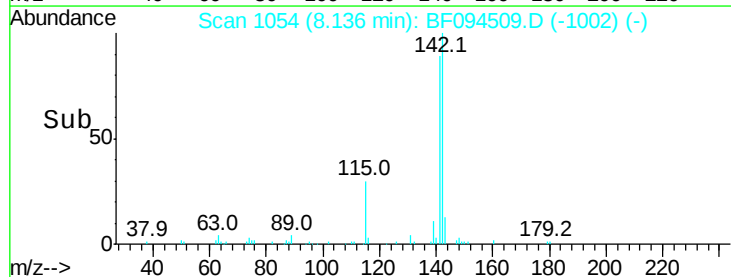
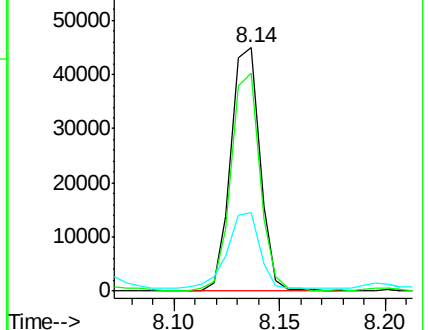
115 32.4 27.1 40.7

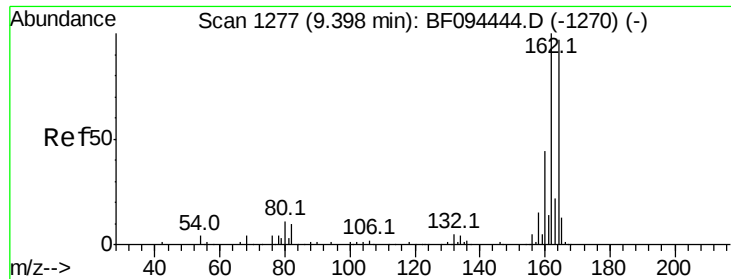


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.40 min Scan# 1269

Delta R.T. 0.00 min

Lab File: BF094509.D

Acq: 19 Apr 2017 1:46

Instrument :

BNA_F

ClientSampled :

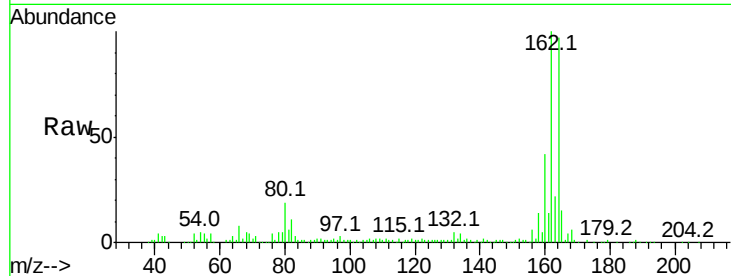
Tot Ion:164 Resp: 160299

Ion Ratio Lower Upper

164 100

162 103.5 82.6 123.8

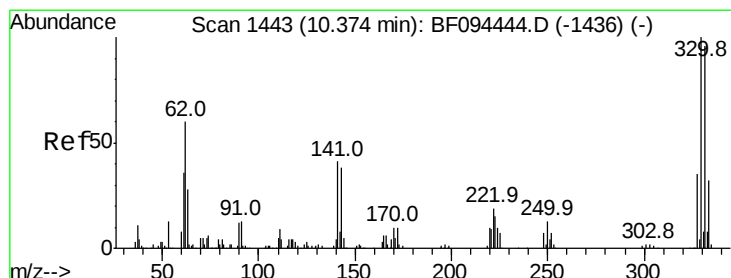
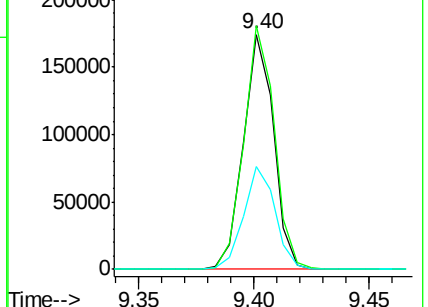
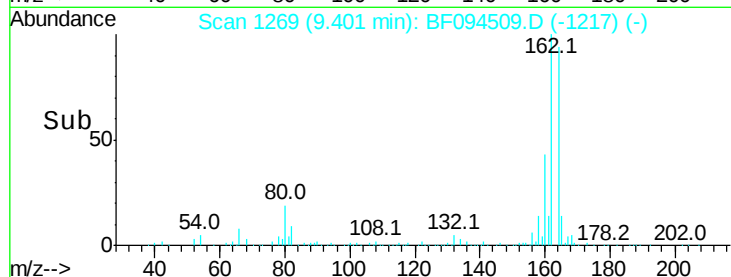
160 43.9 36.2 54.2



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: 16.32 ng

RT: 10.38 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BF094509.D

Acq: 19 Apr 2017 1:46

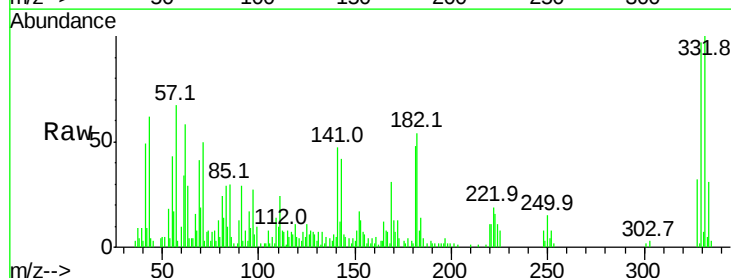
Tgt Ion:330 Resp: 20466

Ion Ratio Lower Upper

330 100

332 98.2 76.6 115.0

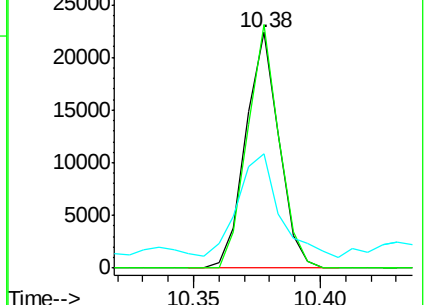
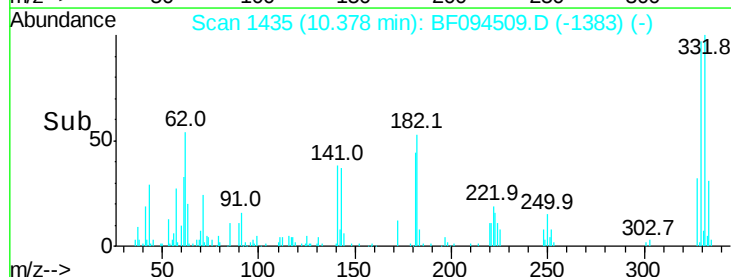
141 53.5 31.4 47.2#

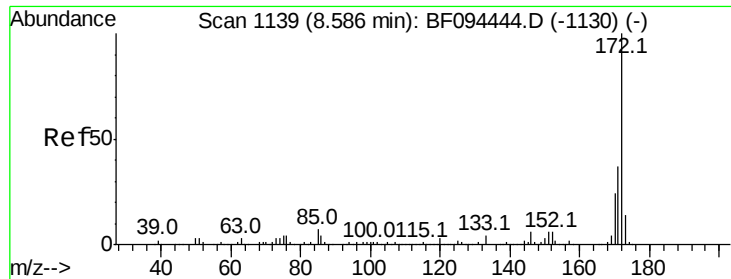


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

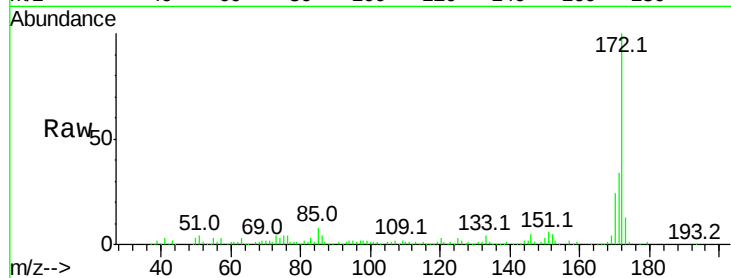




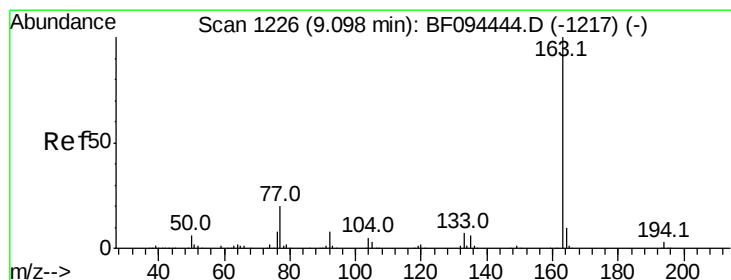
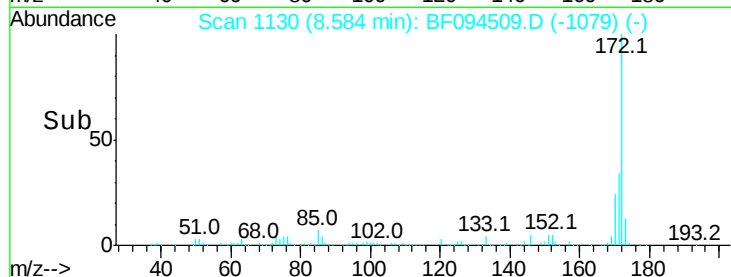
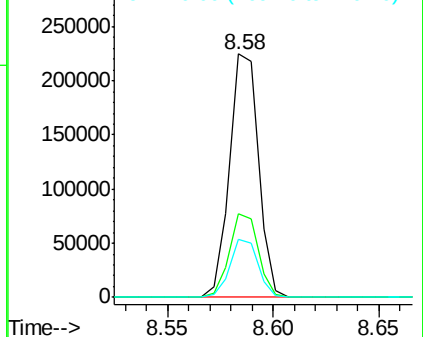
#44
2-Fluorobiphenyl
Concen: 19.46 ng
RT: 8.58 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BF094509.D
Acq: 19 Apr 2017 1:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 212009
Ion Ratio Lower Upper
172 100
171 34.4 29.6 44.4
170 23.9 19.8 29.8

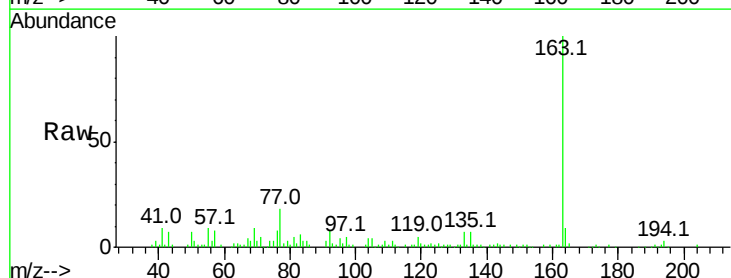


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

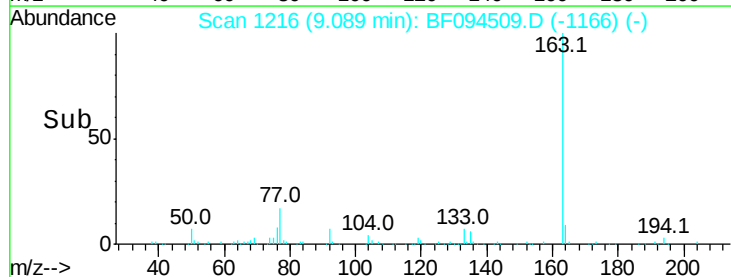
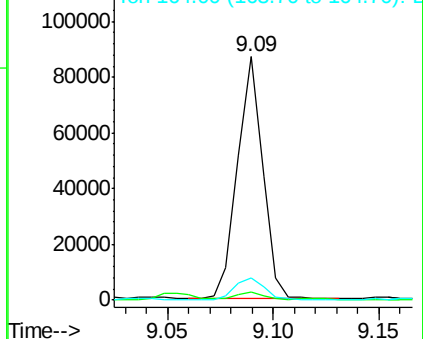


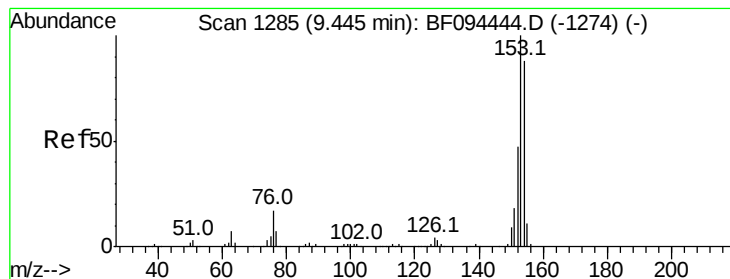
#49
Dimethylphthalate
Concen: 5.98 ng
RT: 9.09 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF094509.D
Acq: 19 Apr 2017 1:46

Tgt Ion:163 Resp: 71482
Ion Ratio Lower Upper
163 100
194 3.5 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: 2.35 ng

RT: 9.44 min Scan# 1276

Delta R.T. -0.00 min

Lab File: BF094509.D

Acq: 19 Apr 2017 1:46

Instrument :

BNA_F

ClientSampleId :

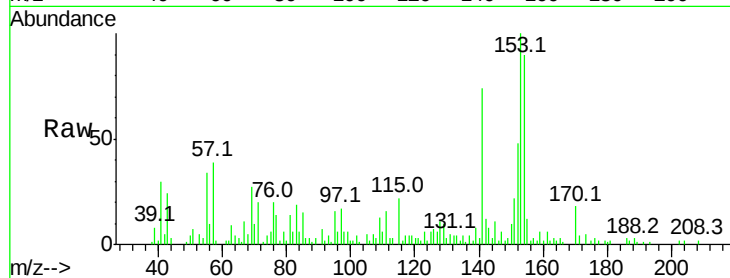
Tot Ion:154 Resp: 22895

Ion Ratio Lower Upper

154 100

153 110.8 90.5 135.7

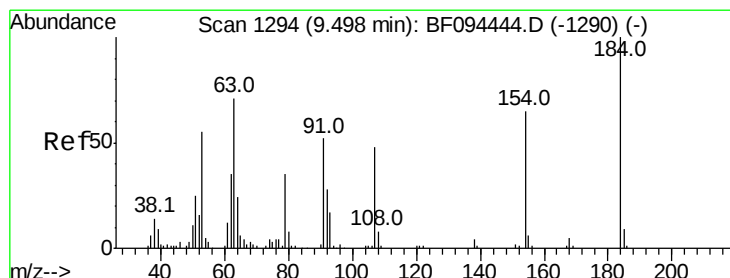
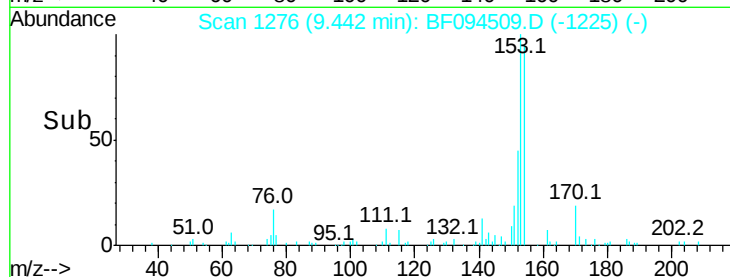
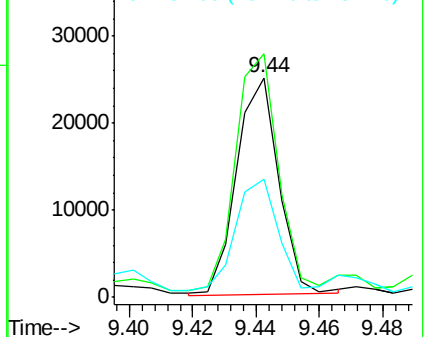
152 53.7 43.6 65.4



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: 9.26 min Scan# 1245

Delta R.T. -0.24 min

Lab File: BF094509.D

Acq: 19 Apr 2017 1:46

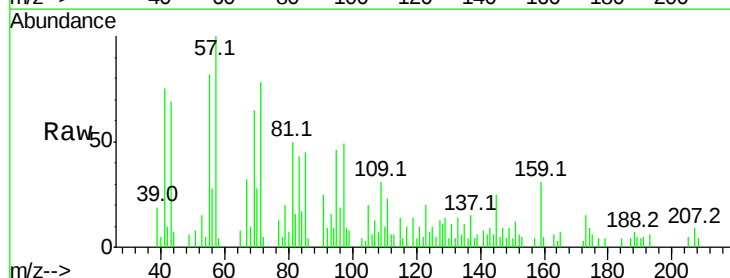
Tgt Ion:184 Resp: 225

Ion Ratio Lower Upper

184 100

63 0.0 62.7 94.1#

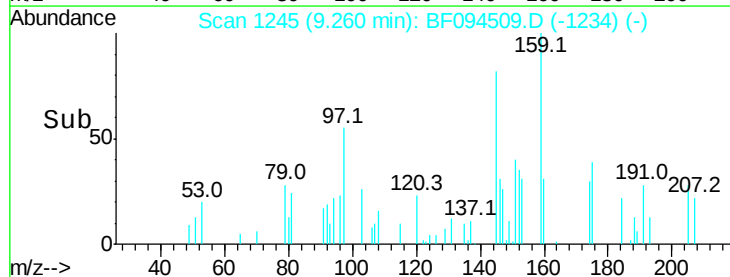
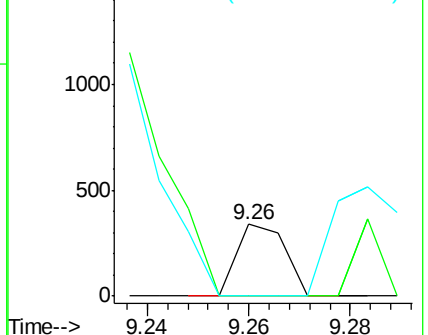
154 0.0 81.1 121.7#

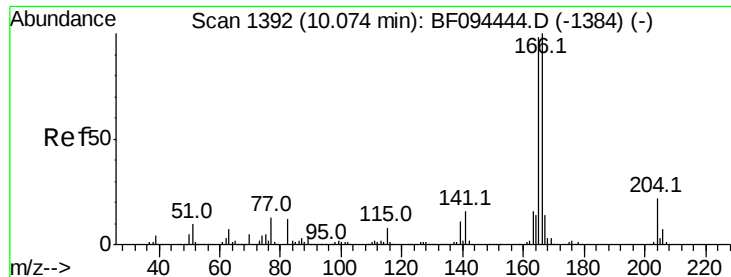


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

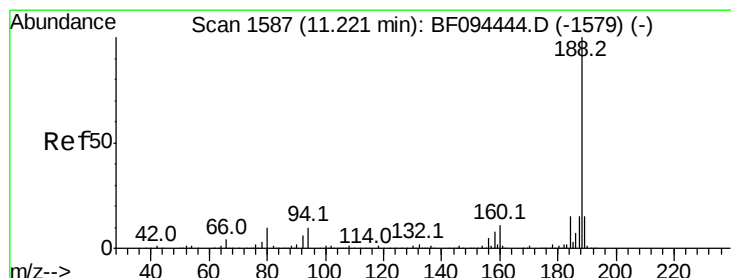
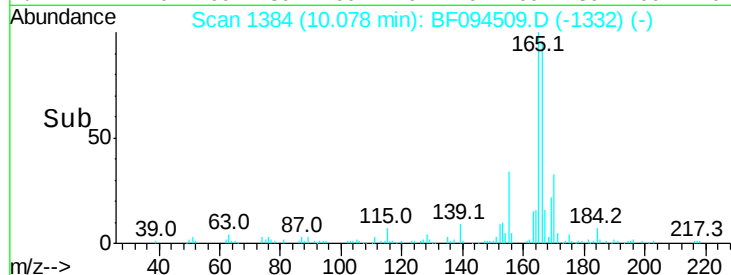
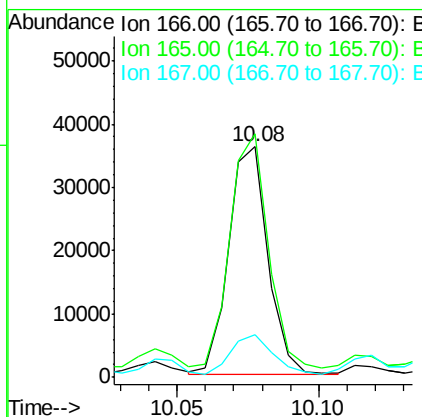
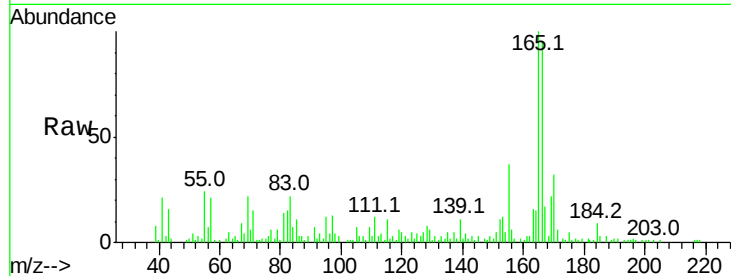




#57
 Fluorene
 Concen: 3.16 ng
 RT: 10.08 min Scan# 1384
 Delta R.T. 0.00 min
 Lab File: BF094509.D
 Acq: 19 Apr 2017 1:46

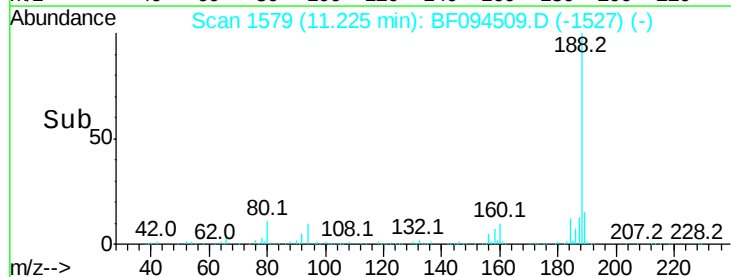
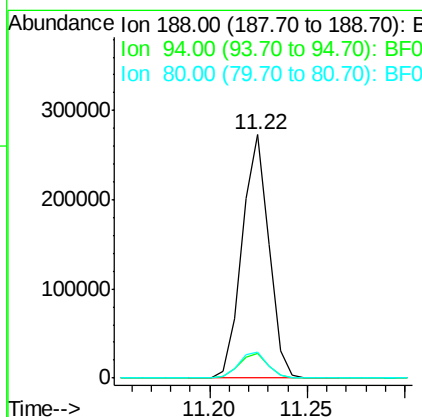
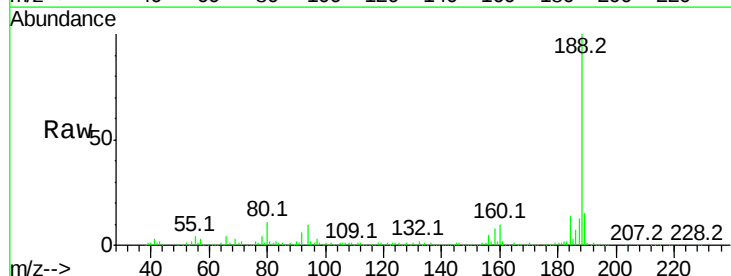
Instrument :
 BNA_F
 ClientSampleId :

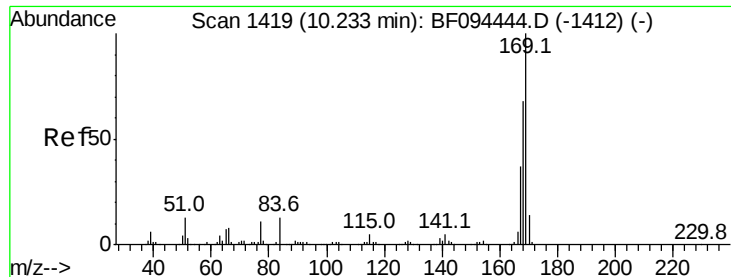
Tot Ion:166 Resp: 34758
 Ion Ratio Lower Upper
 166 100
 165 105.7 78.8 118.2
 167 18.4 10.6 16.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF094509.D
 Acq: 19 Apr 2017 1:46

Tgt Ion:188 Resp: 259258
 Ion Ratio Lower Upper
 188 100
 94 10.3 9.4 14.2
 80 10.9 10.2 15.2

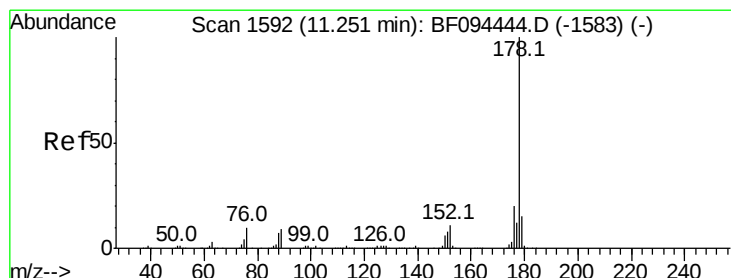
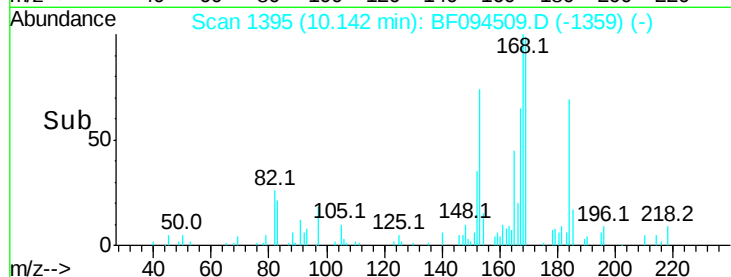
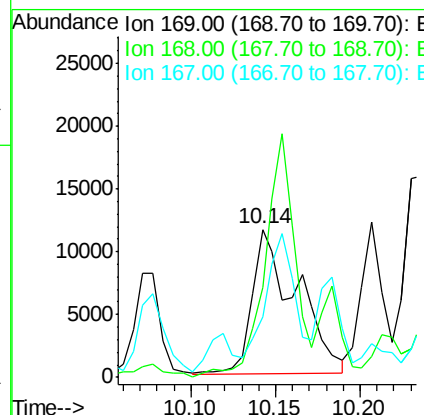
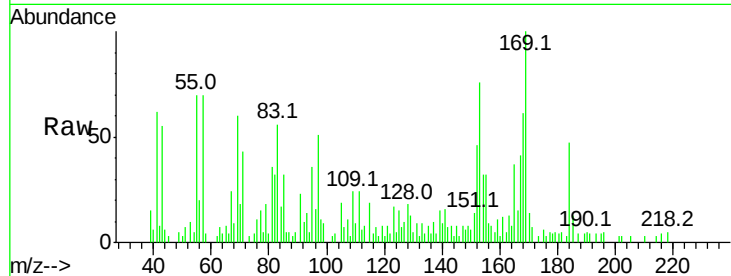




#65
 n-Nitrosodiphenylamine
 Concen: 2.39 ng
 RT: 10.14 min Scan# 1395
 Delta R.T. -0.09 min
 Lab File: BF094509.D
 Acq: 19 Apr 2017 1:46

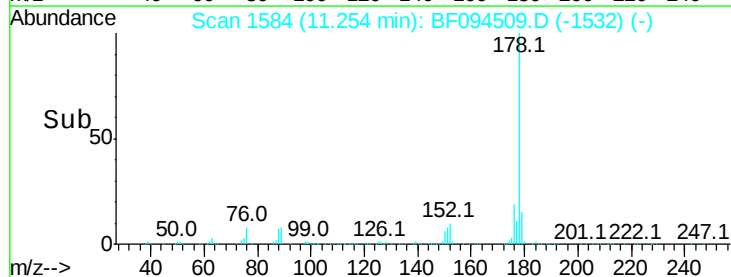
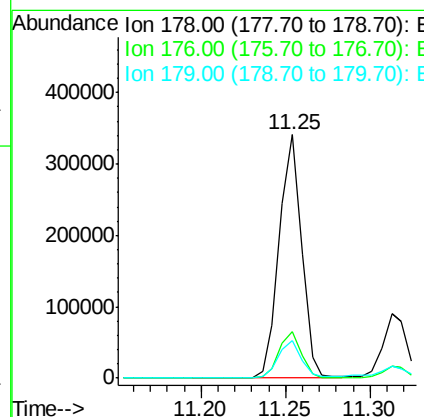
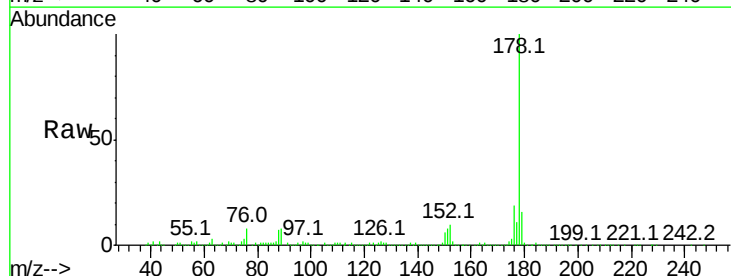
Instrument :
 BNA_F
 ClientSampleId :

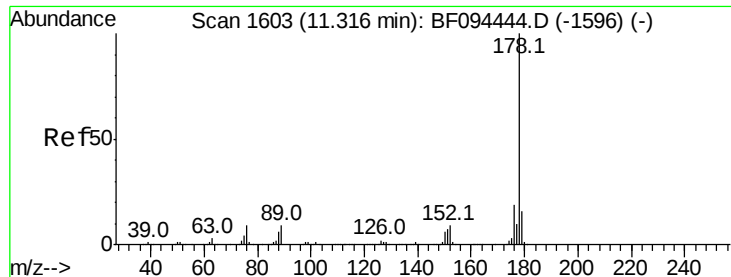
Tot Ion:169 Resp: 21526
 Ion Ratio Lower Upper
 169 100
 168 61.0 53.2 79.8
 167 41.4 29.5 44.3



#70
 Phenanthrene
 Concen: 21.18 ng
 RT: 11.25 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BF094509.D
 Acq: 19 Apr 2017 1:46

Tgt Ion:178 Resp: 309250
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.2 24.4
 179 15.5 12.6 19.0





#71

Anthracene

Concen: 20.48 ng

RT: 11.25 min Scan# 1584

Delta R.T. -0.06 min

Lab File: BF094509.D

Acq: 19 Apr 2017 1:46

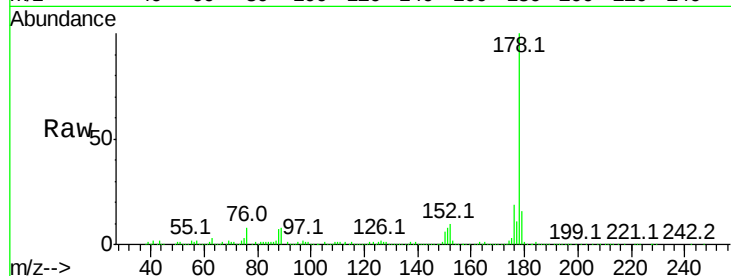
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 309250

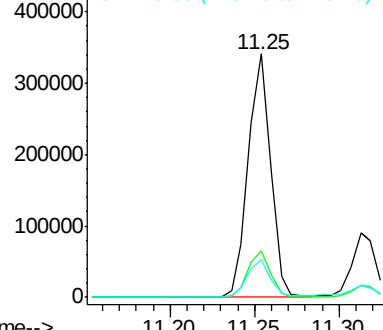
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.5	12.7	19.1



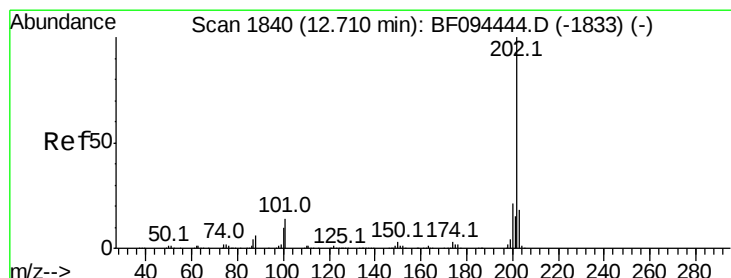
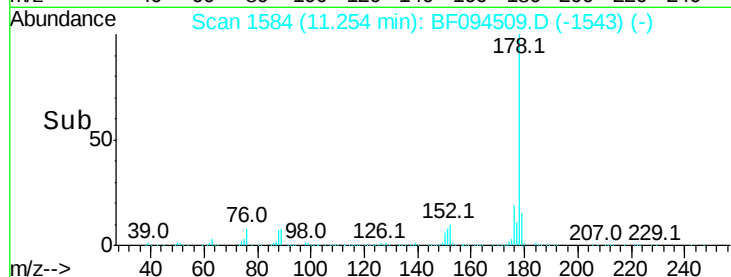
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Fluoranthene

Concen: 18.36 ng

RT: 12.72 min Scan# 1833

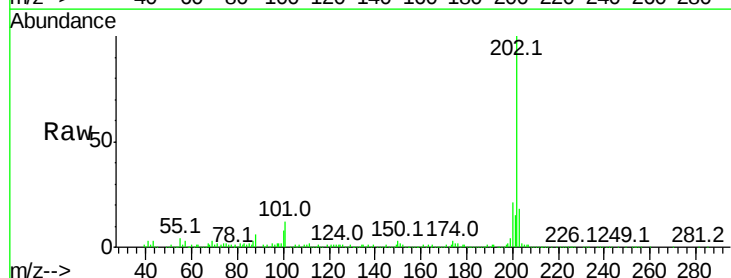
Delta R.T. 0.01 min

Lab File: BF094509.D

Acq: 19 Apr 2017 1:46

Tgt Ion:202 Resp: 277761

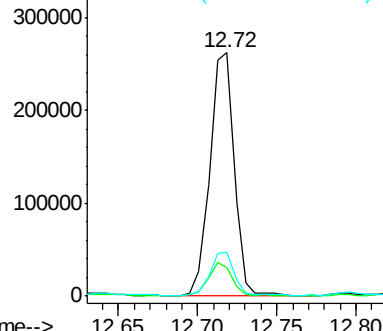
Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	33.2
203	18.1	0.0	38.1



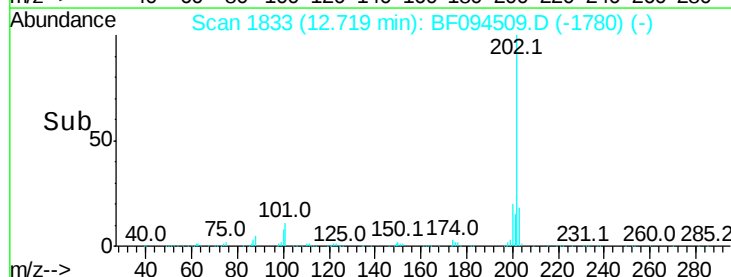
Abundance Ion 202.00 (201.70 to 202.70): E

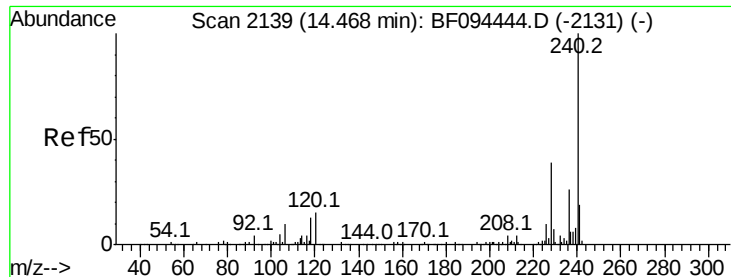
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.48 min Scan# 2132

Delta R.T. 0.01 min

Lab File: BF094509.D

Acq: 19 Apr 2017 1:46

Instrument :

BNA_F

ClientSampleId :

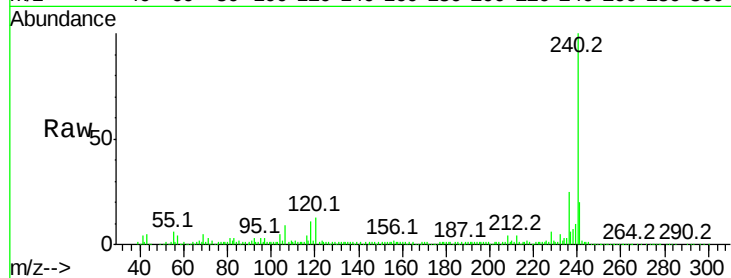
Tot Ion:240 Resp: 262747

Ion Ratio Lower Upper

240 100

120 13.5 5.8 8.8#

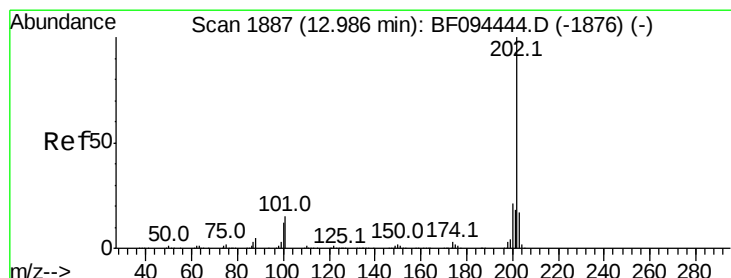
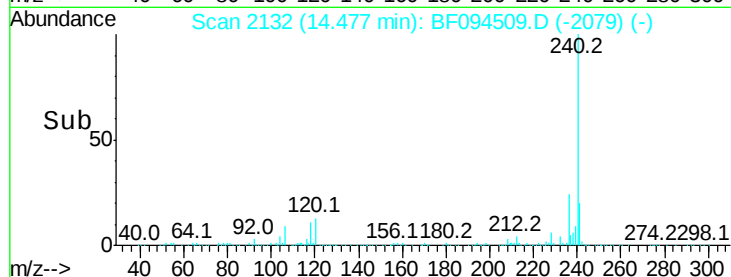
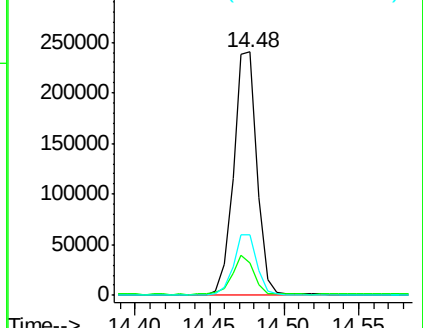
236 25.0 20.5 30.7



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: 16.23 ng

RT: 12.99 min Scan# 1879

Delta R.T. 0.00 min

Lab File: BF094509.D

Acq: 19 Apr 2017 1:46

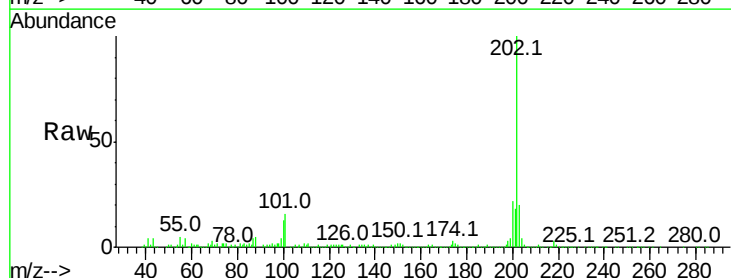
Tgt Ion:202 Resp: 297859

Ion Ratio Lower Upper

202 100

200 22.2 17.6 26.4

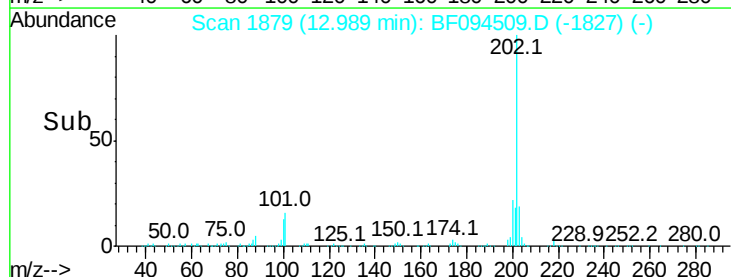
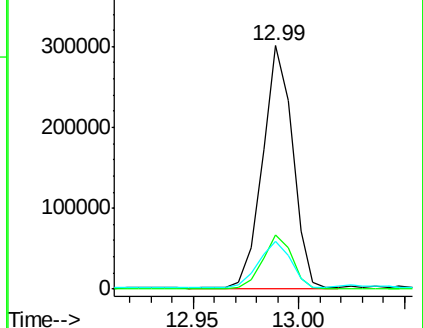
203 19.7 14.4 21.6

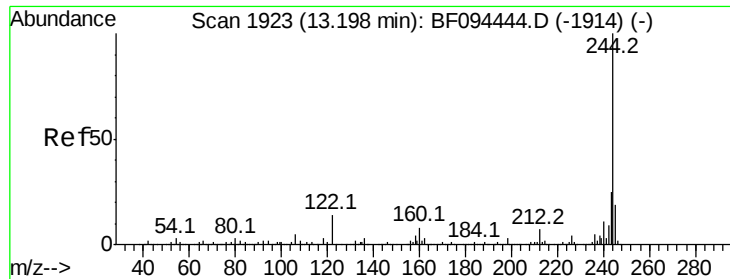


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 15.03 ng

RT: 13.20 min Scan# 1915

Delta R.T. 0.00 min

Lab File: BF094509.D

Acq: 19 Apr 2017 1:46

Instrument :

BNA_F

ClientSampleId :

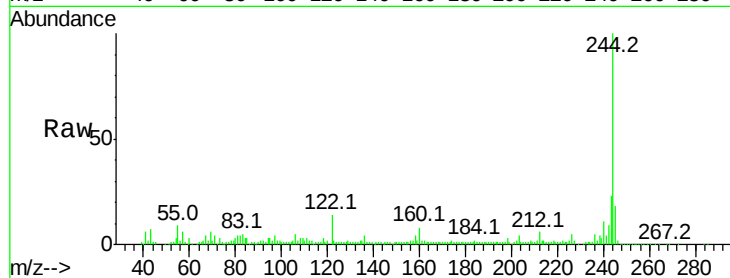
Tot Ion:244 Resp: 147753

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

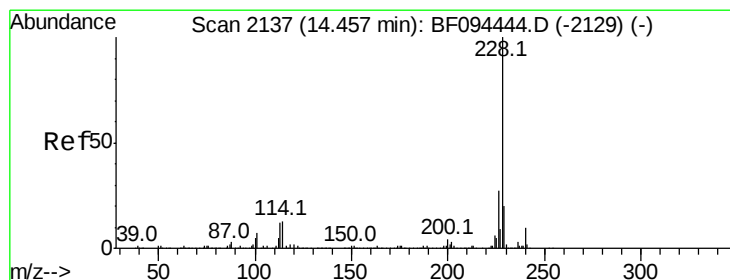
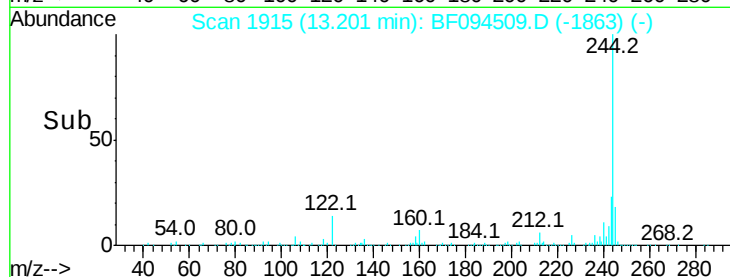
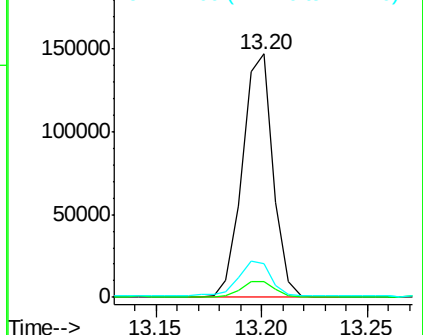
122 14.1 10.3 15.5



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: 7.85 ng

RT: 14.47 min Scan# 2130

Delta R.T. 0.01 min

Lab File: BF094509.D

Acq: 19 Apr 2017 1:46

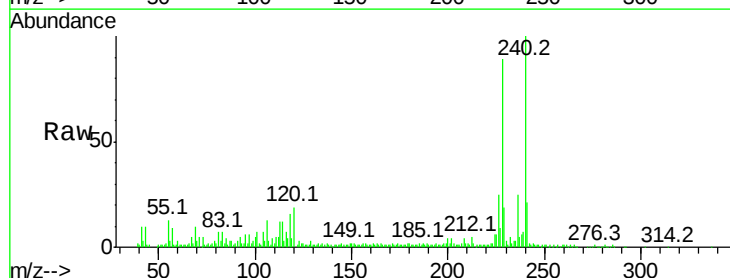
Tgt Ion:228 Resp: 119954

Ion Ratio Lower Upper

228 100

226 28.0 22.6 33.8

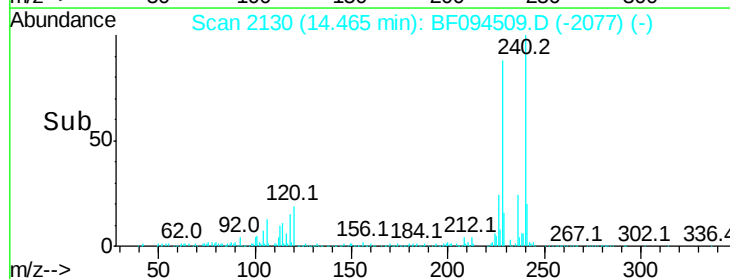
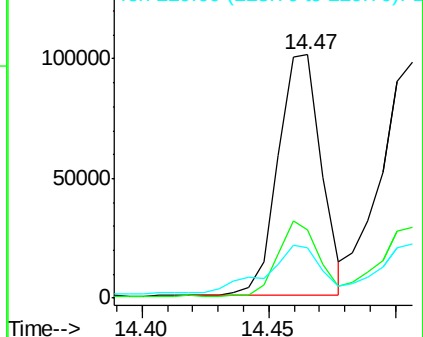
229 20.9 16.3 24.5

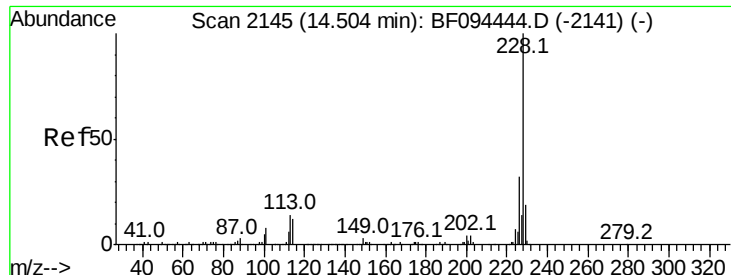


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.46 ng

RT: 14.51 min Scan# 2137

Delta R.T. 0.00 min

Lab File: BF094509.D

Acq: 19 Apr 2017 1:46

Instrument :

BNA_F

ClientSampleId :

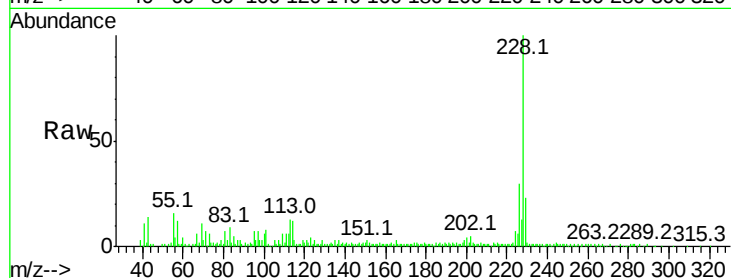
Tot Ion:228 Resp: 118123

Ion Ratio Lower Upper

228 100

226 29.9 24.9 37.3

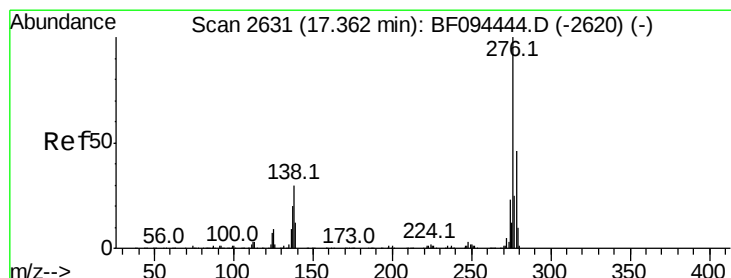
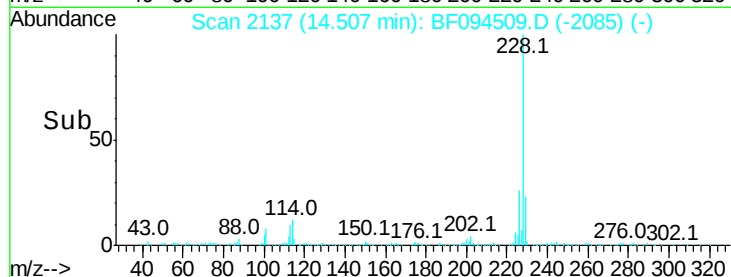
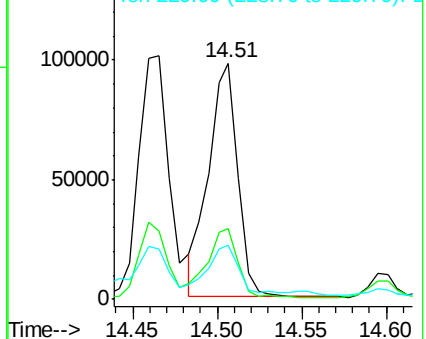
229 23.1 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.07 ng

RT: 17.38 min Scan# 2625

Delta R.T. 0.01 min

Lab File: BF094509.D

Acq: 19 Apr 2017 1:46

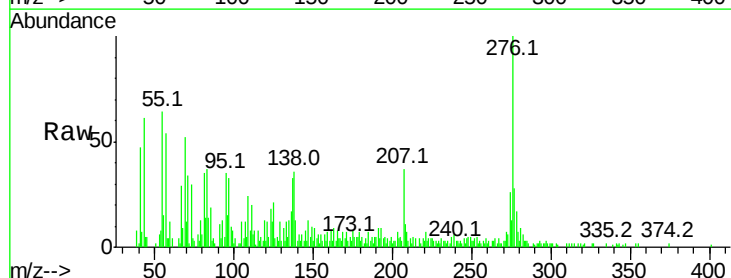
Tgt Ion:276 Resp: 40822

Ion Ratio Lower Upper

276 100

138 28.0 27.8 41.6

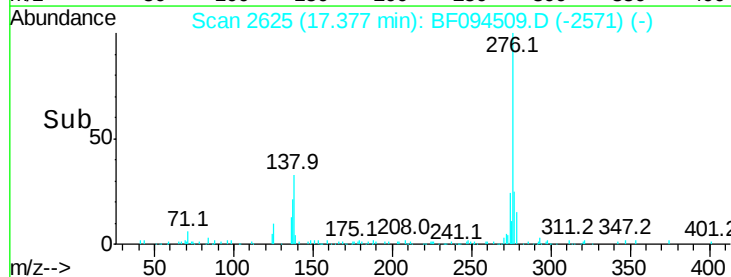
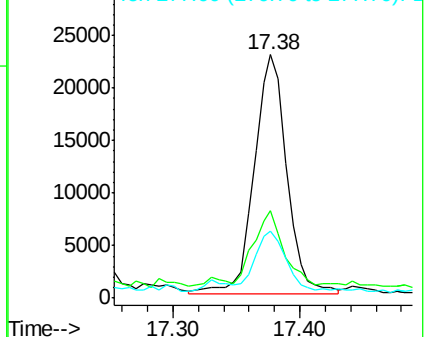
277 23.4 20.2 30.4

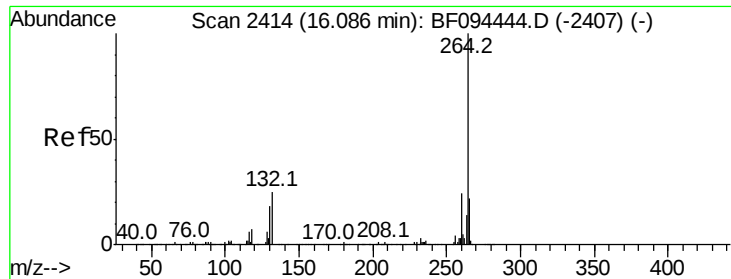


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

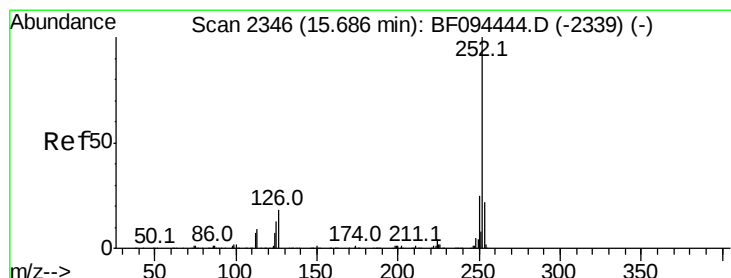
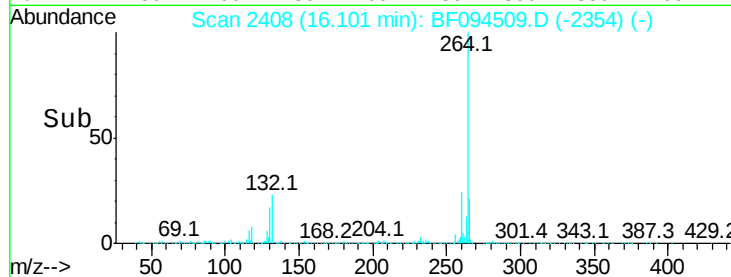
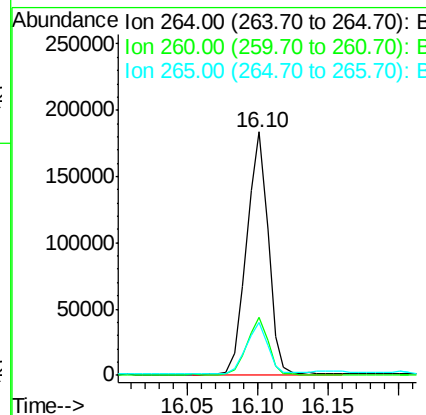
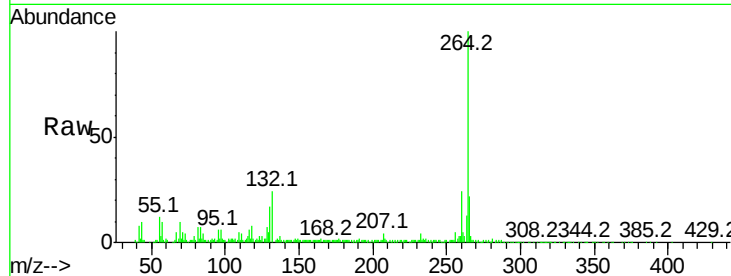




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.10 min Scan# 2408
Delta R.T. 0.01 min
Lab File: BF094509.D
Acq: 19 Apr 2017 1:46

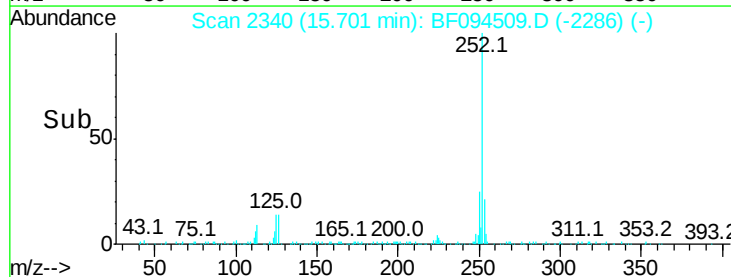
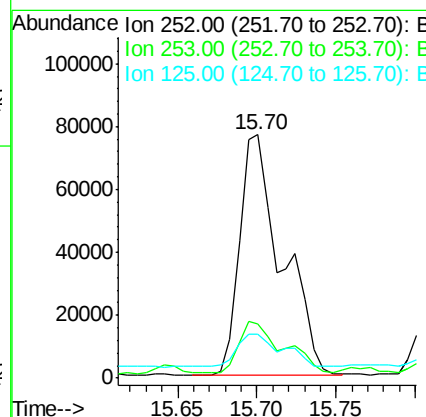
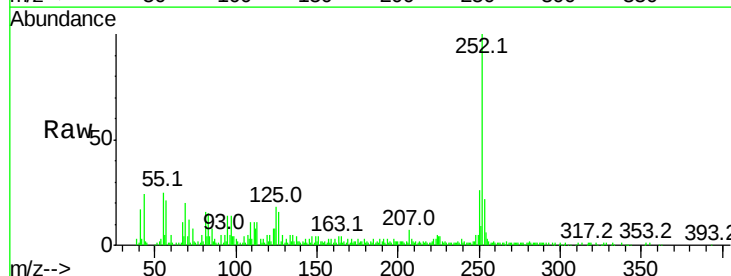
Instrument :
BNA_F
ClientSampleId :

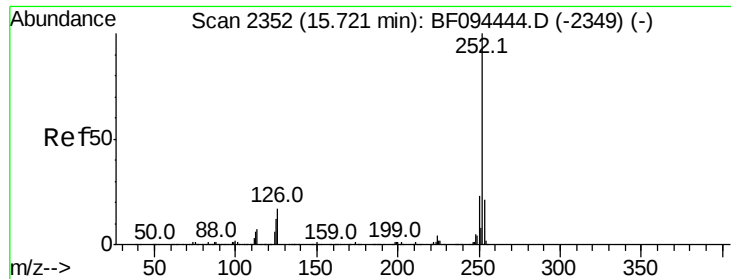
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.7	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 11.77 ng
RT: 15.70 min Scan# 2340
Delta R.T. 0.01 min
Lab File: BF094509.D
Acq: 19 Apr 2017 1:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	18.1	9.8	14.8

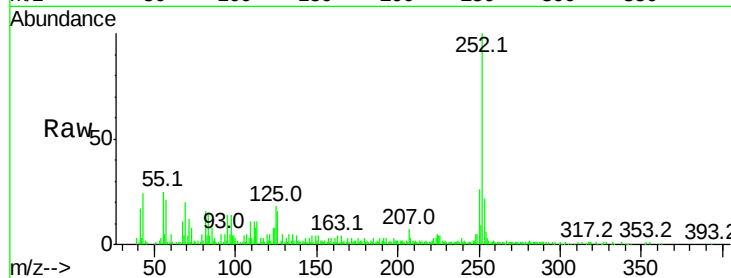




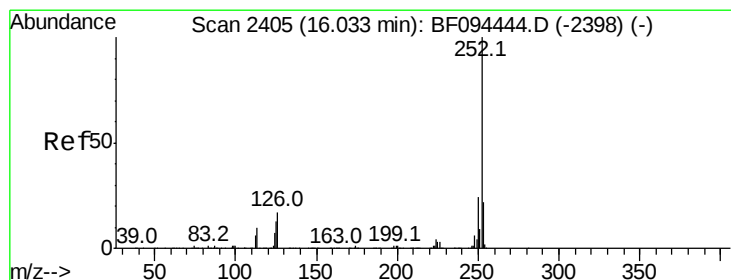
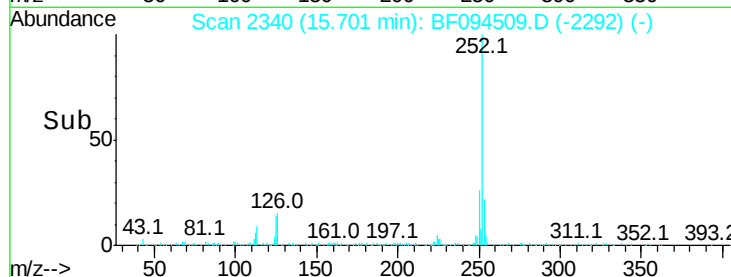
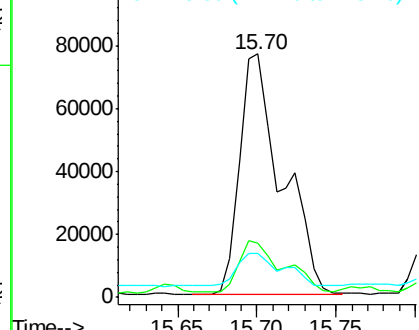
#88
Benzo(k)fluoranthene
Concen: 12.44 ng
RT: 15.70 min Scan# 2340
Delta R.T. -0.02 min
Lab File: BF094509.D
Acq: 19 Apr 2017 1:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.4	27.6
125	18.1	13.1	19.7

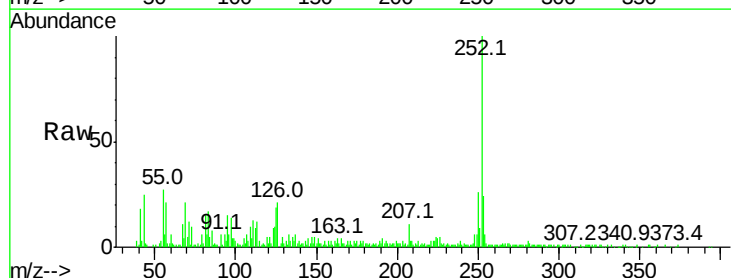


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

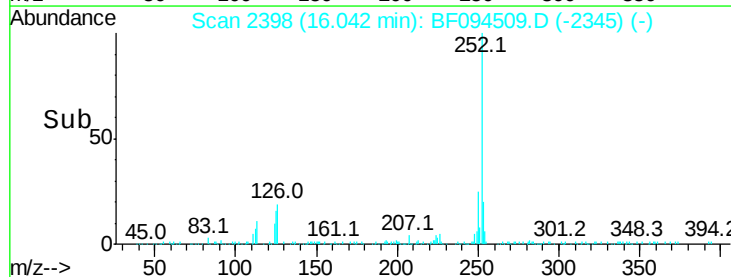
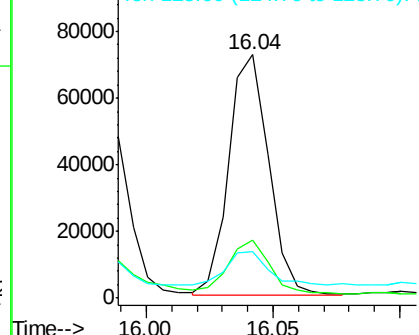


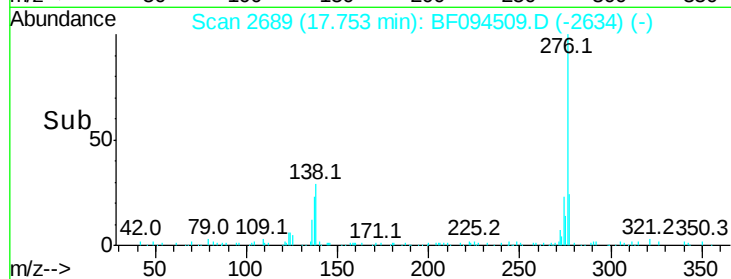
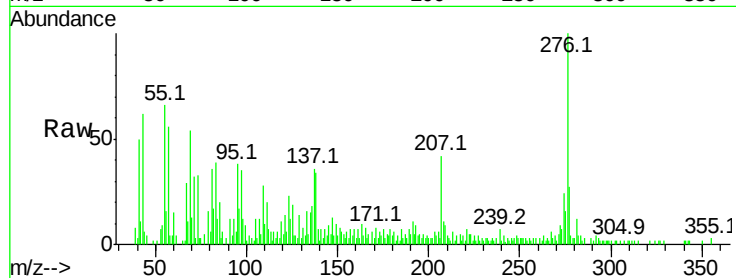
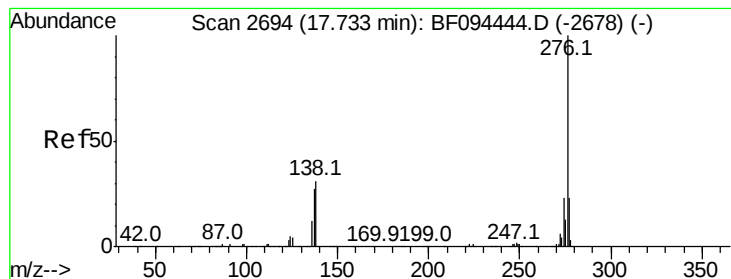
#89
Benzo(a)pyrene
Concen: 7.00 ng
RT: 16.04 min Scan# 2398
Delta R.T. 0.01 min
Lab File: BF094509.D
Acq: 19 Apr 2017 1:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	18.9	11.0	16.4



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





#91

Benzo(a,h,i)perylene

Concen: 4.04 ng

RT: 17.75 min Scan# 2689

Delta R.T. 0.02 min

Lab File: BF094509.D

Acq: 19 Apr 2017 1:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 38425

Ion Ratio Lower Upper

276 100

277 27.0 18.6 28.0

138 34.2 25.4 38.0

