

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041917\
 Data File : BF094522.D
 Acq On : 19 Apr 2017 18:13
 Operator : SJ/MA
 Sample : I2750-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 20 03:06:24 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

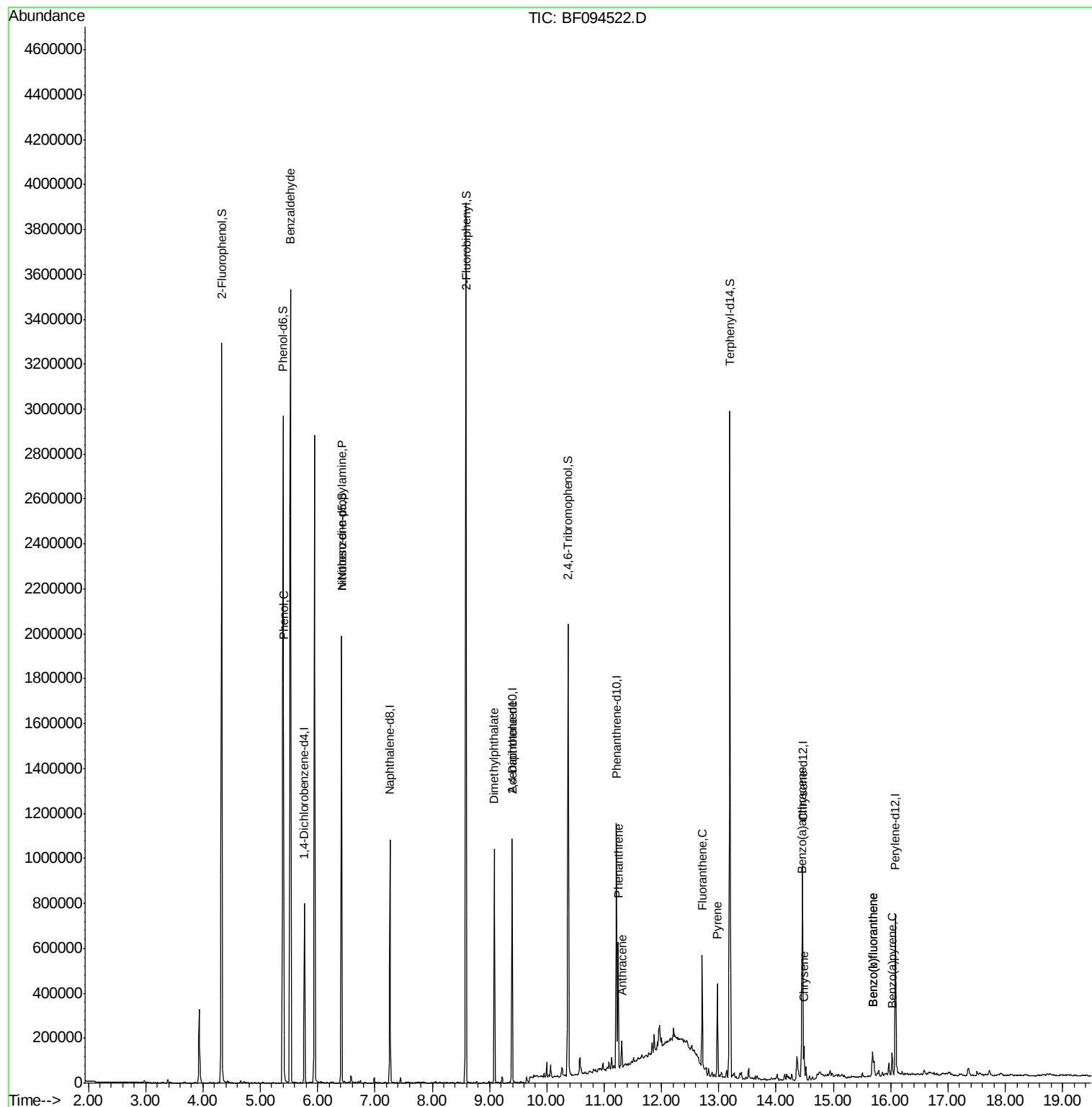
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	128559	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	506727	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	221176	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	440775	20.00	ng	0.00
75) Chrysene-d12	14.46	240	332734	20.00	ng	0.00
86) Perylene-d12	16.08	264	269417	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	1033316	133.35	ng	0.02
7) Phenol-d6	5.40	99	1299793	142.28	ng	0.00
23) Nitrobenzene-d5	6.42	82	803207	97.88	ng	0.00
41) 2,4,6-Tribromophenol	10.38	330	271874	157.15	ng	0.00
44) 2-Fluorobiphenyl	8.59	172	1411977	93.93	ng	0.00
78) Terphenyl-d14	13.20	244	1209991	97.20	ng	0.00
Target Compounds						
9) Benzaldehyde	5.52	77	22124	3.18	ng	Qvalue 83
10) Phenol	5.41	94	31808	2.83	ng	87
19) n-Nitroso-di-n-propylamine	6.42	70	107494	17.76	ng	# 79
49) Dimethylphthalate	9.08	163	437794	26.56	ng	100
56) 2,4-Dinitrotoluene	9.40	165	28676	6.32	ng	# 33
70) Phenanthrene	11.24	178	218897	8.82	ng	98
71) Anthracene	11.31	178	51648	2.01	ng	96
74) Fluoranthene	12.71	202	208557	8.11	ng	97
77) Pyrene	12.98	202	172820	7.43	ng	98
80) Benzo(a)anthracene	14.45	228	67726	3.50	ng	95
82) Chrysene	14.49	228	56231	3.18	ng	95
87) Benzo(b)fluoranthene	15.68	252	51406	3.12	ng	# 96
88) Benzo(k)fluoranthene	15.68	252	51406	3.30	ng	99
89) Benzo(a)pyrene	16.02	252	38979	2.54	ng	99

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

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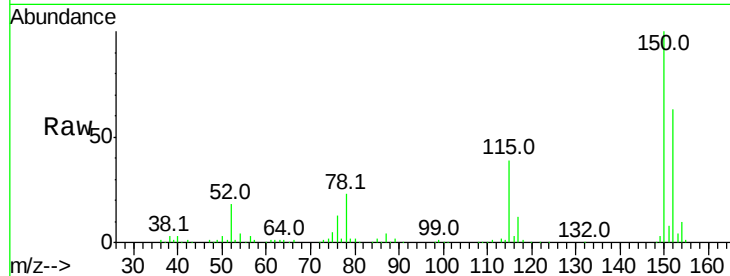


#1

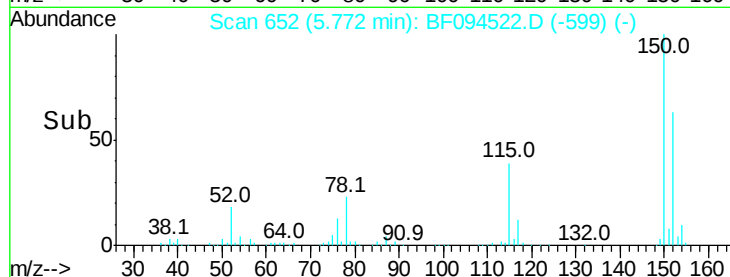
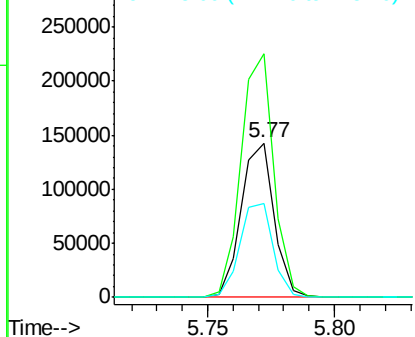
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 652
Delta R.T. 0.01 min
Lab File: BF094522.D
Acq: 19 Apr 2017 18:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 128559
Ion Ratio Lower Upper
152 100
150 157.8 126.2 189.2
115 60.8 52.2 78.2



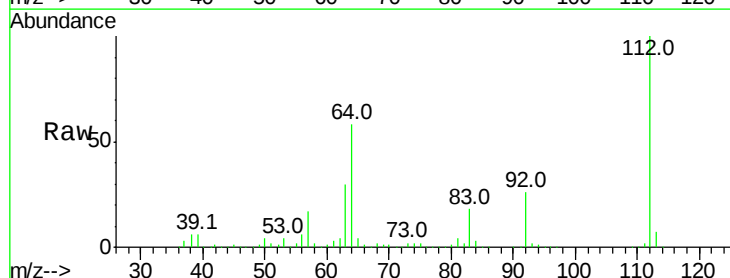
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



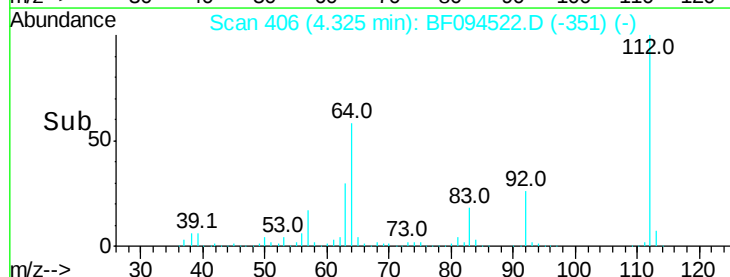
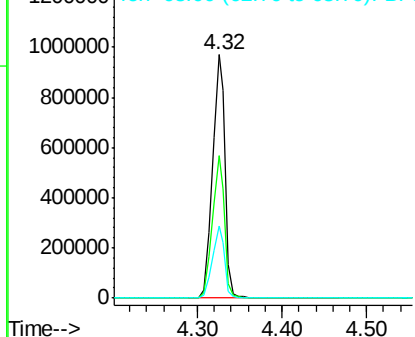
#5

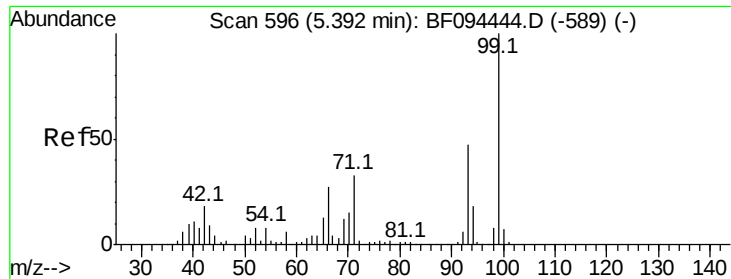
2-Fluorophenol
Concen: 133.35 ng
RT: 4.32 min Scan# 406
Delta R.T. 0.02 min
Lab File: BF094522.D
Acq: 19 Apr 2017 18:13

Tgt Ion:112 Resp: 1033316
Ion Ratio Lower Upper
112 100
64 58.4 46.0 69.0
63 29.7 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: 142.28 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094522.D

Acq: 19 Apr 2017 18:13

Instrument :

BNA_F

ClientSampled :

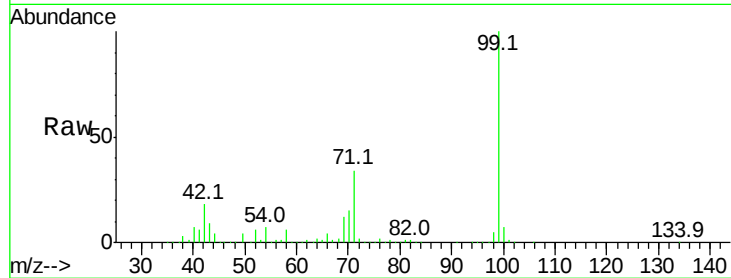
Tot Ion: 99 Resp: 1299793

Ion Ratio Lower Upper

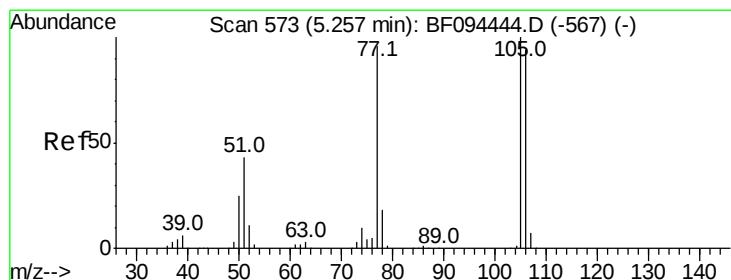
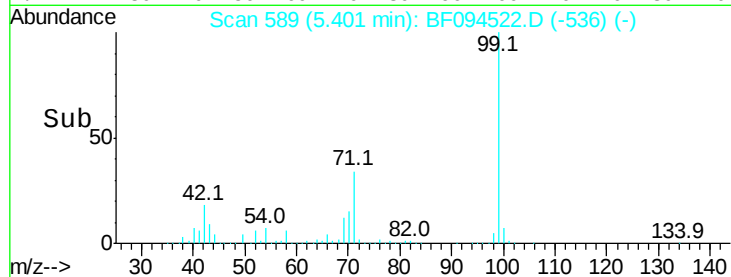
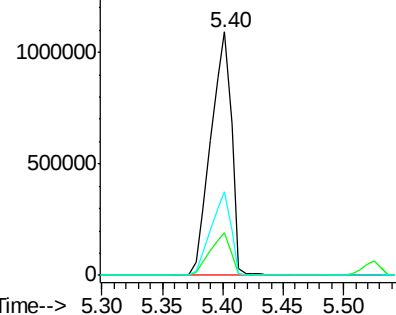
99 100

42 17.5 13.5 20.3

71 34.1 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



#9

Benzaldehyde

Concen: 3.18 ng

RT: 5.52 min Scan# 610

Delta R.T. 0.27 min

Lab File: BF094522.D

Acq: 19 Apr 2017 18:13

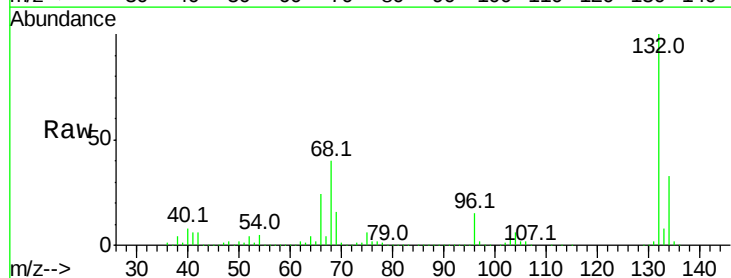
Tgt Ion: 77 Resp: 22124

Ion Ratio Lower Upper

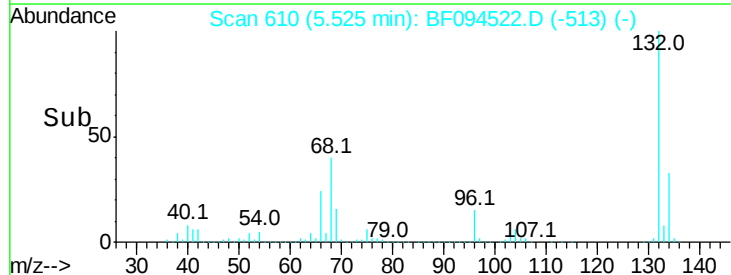
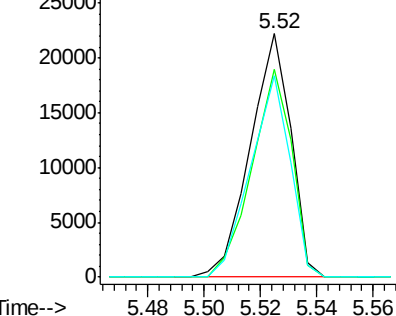
77 100

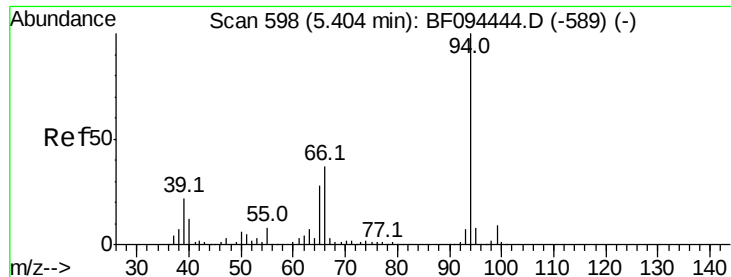
105 85.4 83.8 123.8

106 82.8 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): B
Ion 106.00 (105.70 to 106.70): B

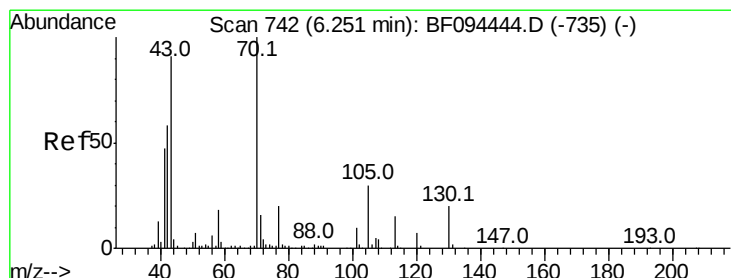
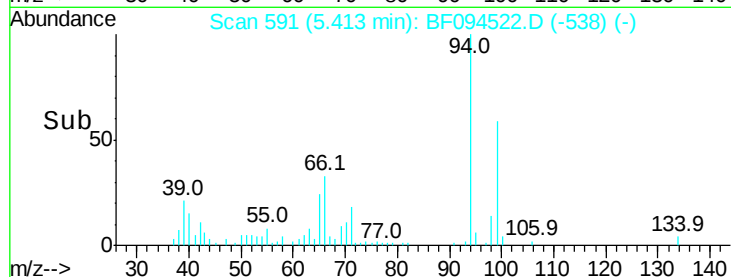
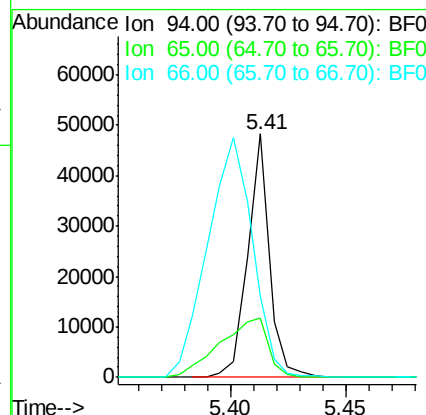
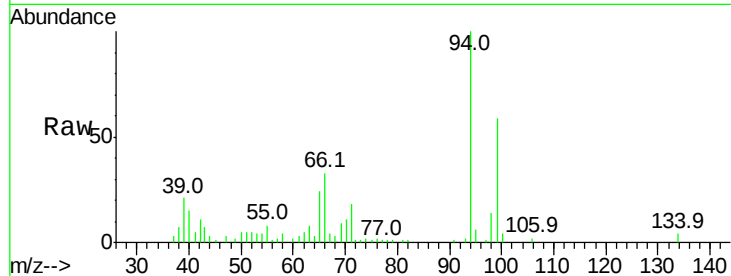




#10
Phenol
Concen: 2.83 ng
RT: 5.41 min Scan# 591
Delta R.T. 0.01 min
Lab File: BF094522.D
Acq: 19 Apr 2017 18:13

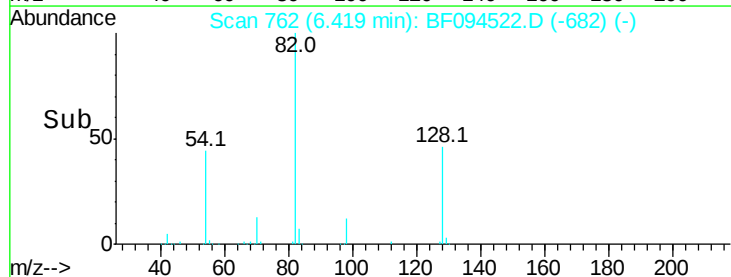
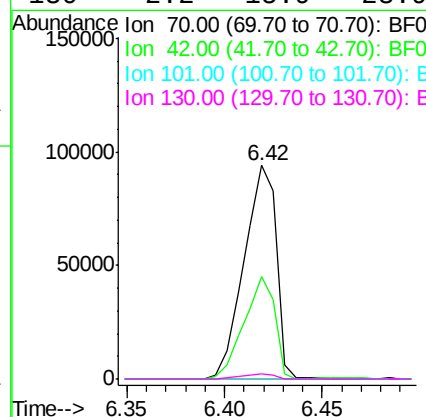
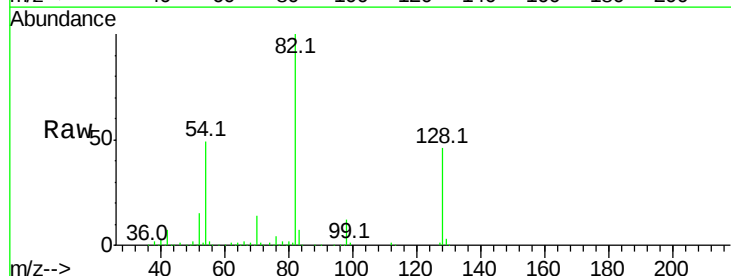
Instrument :
BNA_F
ClientSampleId :

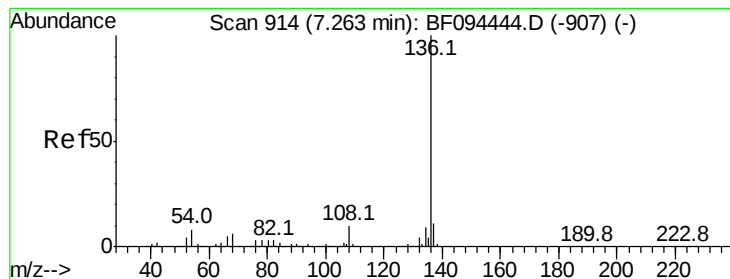
Tot Ion: 94 Resp: 31808
Ion Ratio Lower Upper
94 100
65 24.4 9.9 49.9
66 33.2 23.1 63.1



#19
n-Nitroso-di-n-propylamine
Concen: 17.76 ng
RT: 6.42 min Scan# 762
Delta R.T. 0.17 min
Lab File: BF094522.D
Acq: 19 Apr 2017 18:13

Tgt Ion: 70 Resp: 107494
Ion Ratio Lower Upper
70 100
42 48.1 47.2 70.8
101 0.0 7.2 10.8#
130 2.2 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.26 min Scan# 905

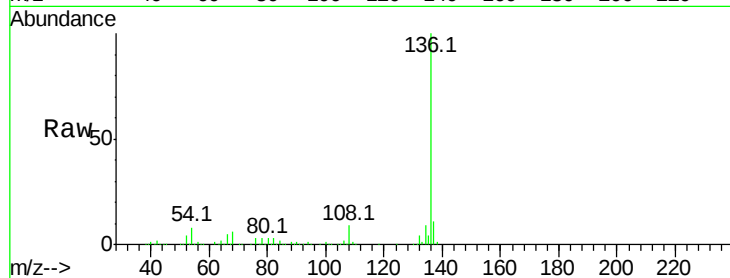
Delta R.T. -0.00 min

Lab File: BF094522.D

Acq: 19 Apr 2017 18:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	506727
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.5 12.7
54	7.6	4.9 7.3#
68	6.0	4.1 6.1

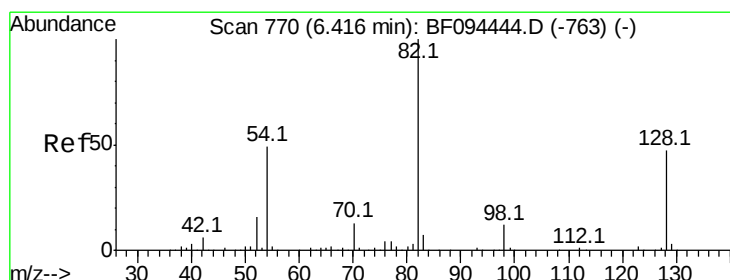
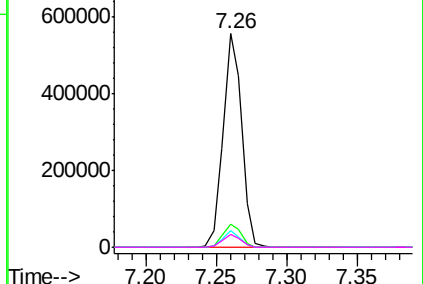
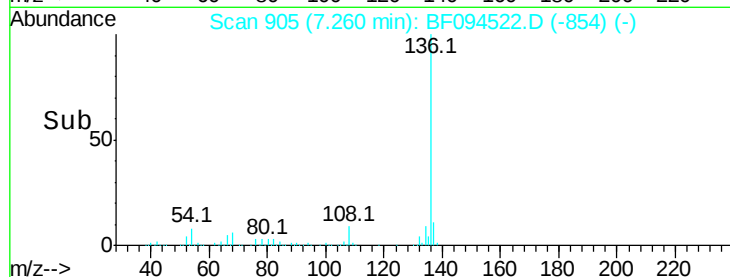


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.88 ng

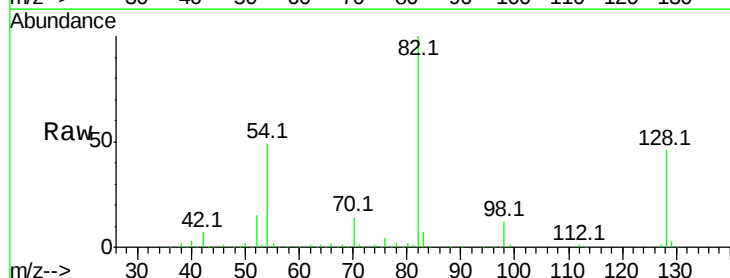
RT: 6.42 min Scan# 762

Delta R.T. 0.00 min

Lab File: BF094522.D

Acq: 19 Apr 2017 18:13

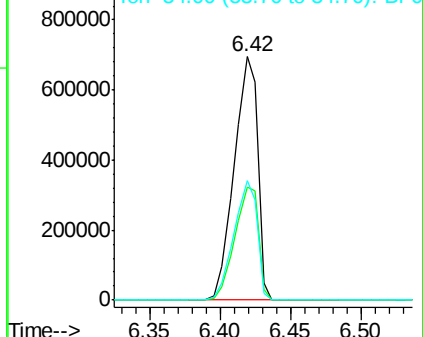
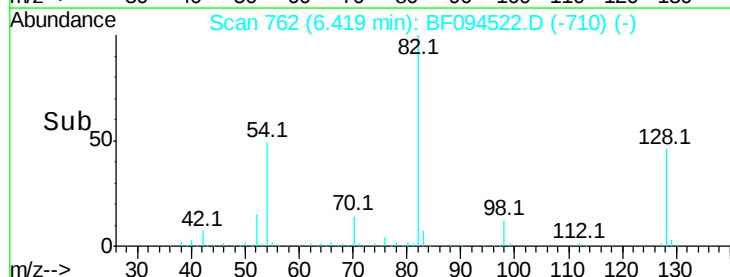
Tgt Ion: 82	Resp:	803207
Ion Ratio	Lower	Upper
82	100	
128	46.2	34.0 51.0
54	49.3	42.2 63.2

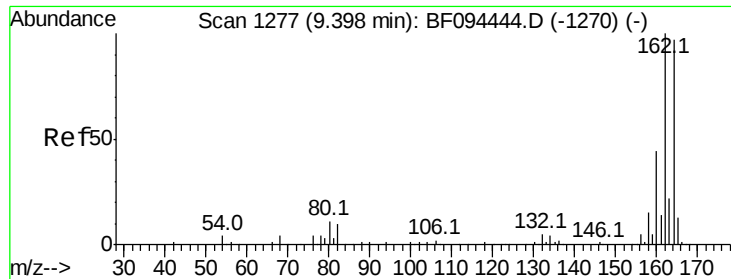


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.40 min Scan# 1268

Delta R.T. -0.00 min

Lab File: BF094522.D

Acq: 19 Apr 2017 18:13

Instrument :

BNA_F

ClientSampleId :

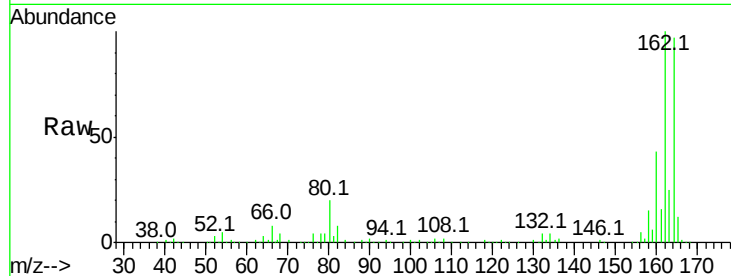
Tot Ion:164 Resp: 221176

Ion Ratio Lower Upper

164 100

162 102.9 82.6 123.8

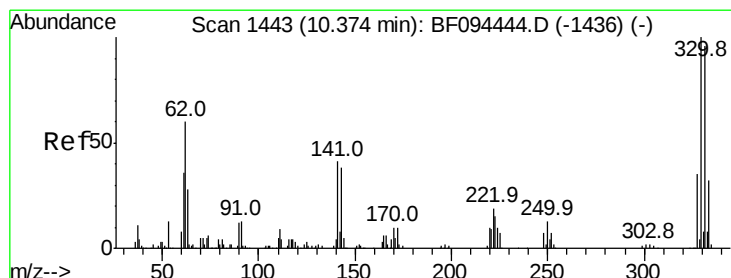
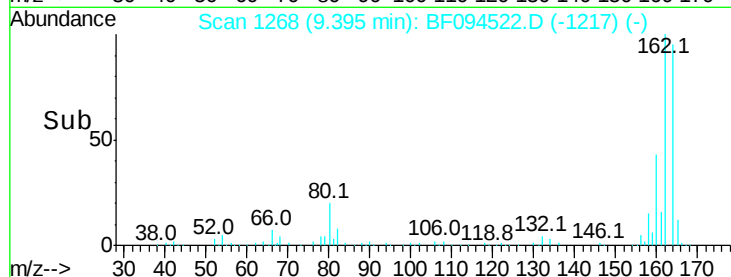
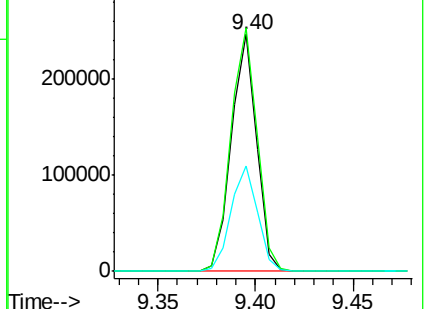
160 44.7 36.2 54.2



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: 157.15 ng

RT: 10.38 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BF094522.D

Acq: 19 Apr 2017 18:13

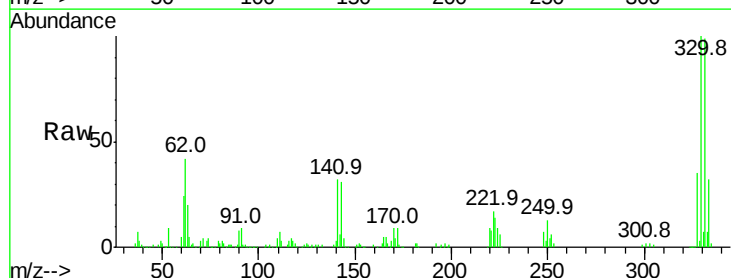
Tgt Ion:330 Resp: 271874

Ion Ratio Lower Upper

330 100

332 96.2 76.6 115.0

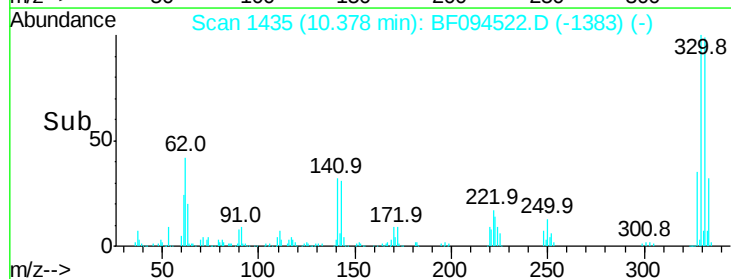
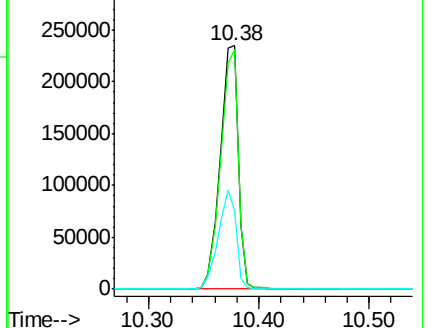
141 39.6 31.4 47.2

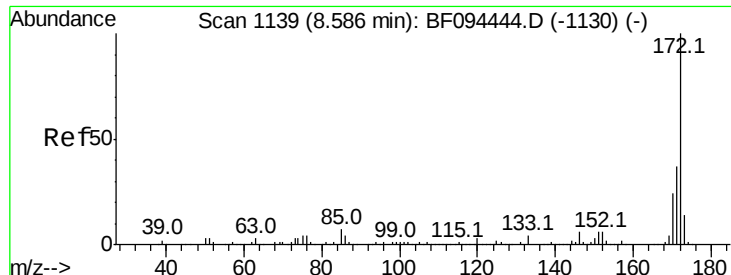


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

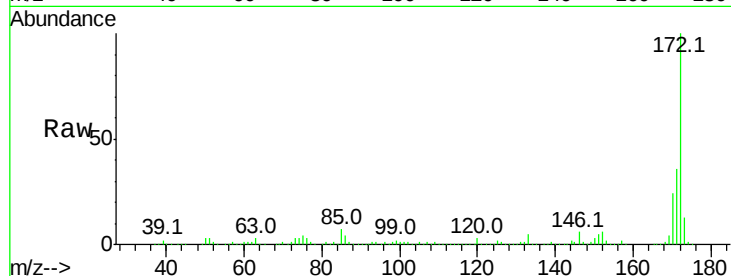




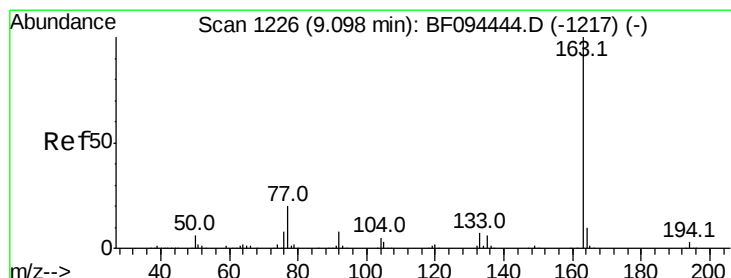
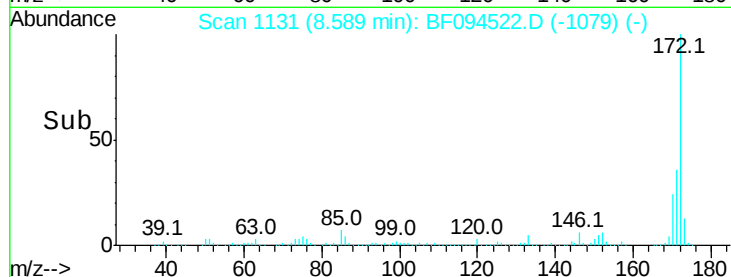
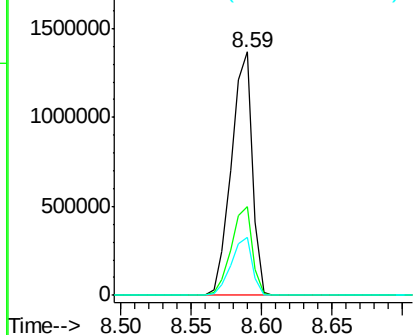
#44
2-Fluorobiphenyl
Concen: 93.93 ng
RT: 8.59 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BF094522.D
Acq: 19 Apr 2017 18:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1411977
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 24.0 19.8 29.8

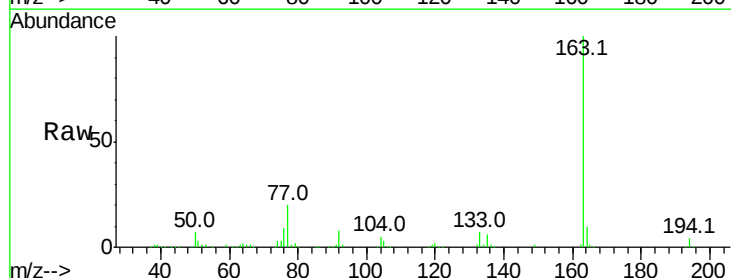


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

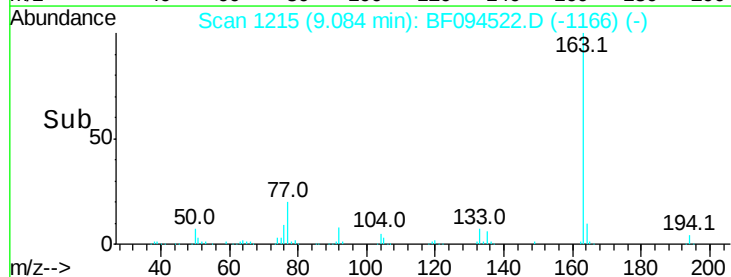
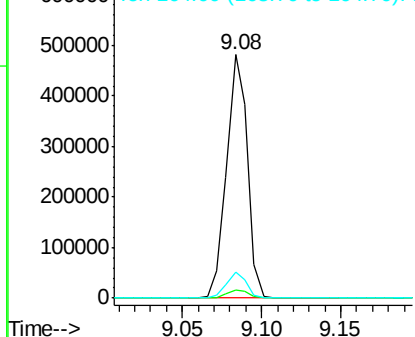


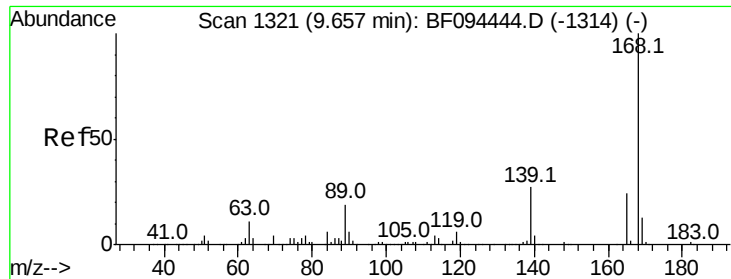
#49
Dimethylphthalate
Concen: 26.56 ng
RT: 9.08 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF094522.D
Acq: 19 Apr 2017 18:13

Tgt Ion:163 Resp: 437794
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 10.5 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

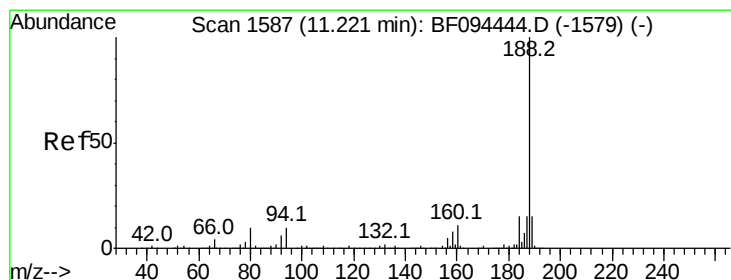
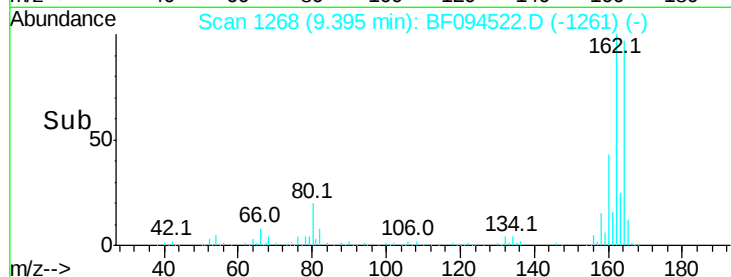
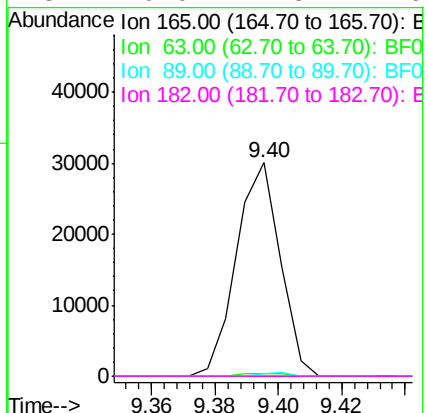
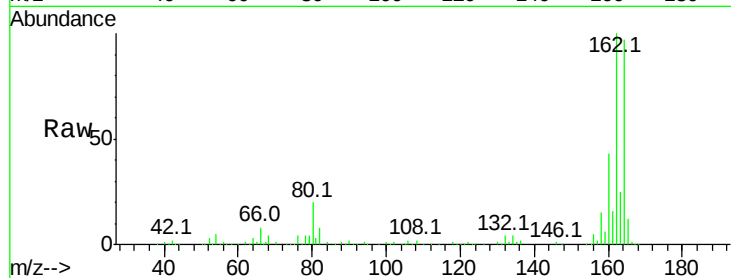




#56
 2,4-Dinitrotoluene
 Concen: 6.32 ng
 RT: 9.40 min Scan# 1268
 Delta R.T. -0.26 min
 Lab File: BF094522.D
 Acq: 19 Apr 2017 18:13

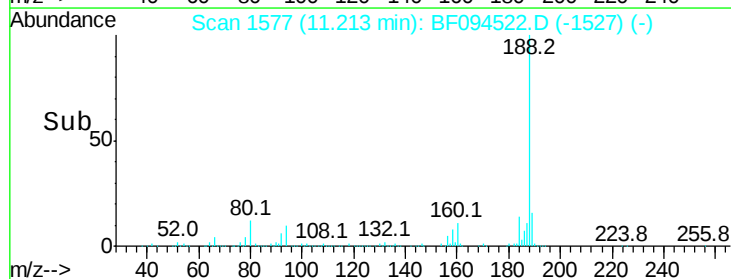
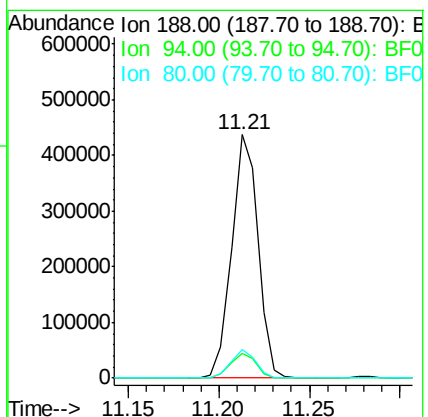
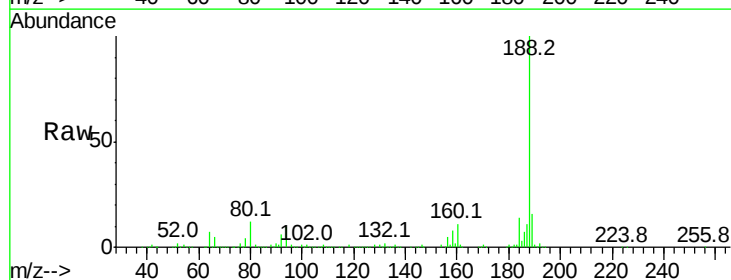
Instrument :
 BNA_F
 ClientSampleId :

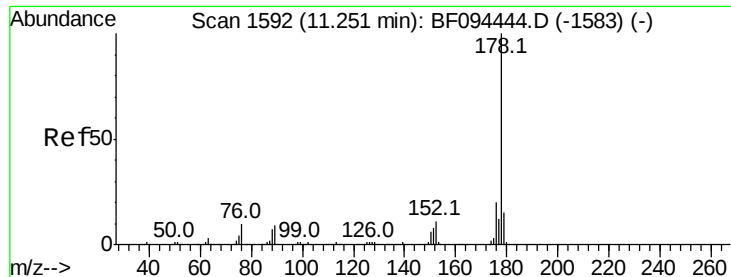
Tot Ion:165 Resp: 28676
 Ion Ratio Lower Upper
 165 100
 63 1.4 25.4 38.0#
 89 1.4 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF094522.D
 Acq: 19 Apr 2017 18:13

Tgt Ion:188 Resp: 440775
 Ion Ratio Lower Upper
 188 100
 94 10.3 9.4 14.2
 80 11.6 10.2 15.2





#70

Phenanthrene

Concen: 8.82 ng

RT: 11.24 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF094522.D

Acq: 19 Apr 2017 18:13

Instrument :

BNA_F

ClientSampleId :

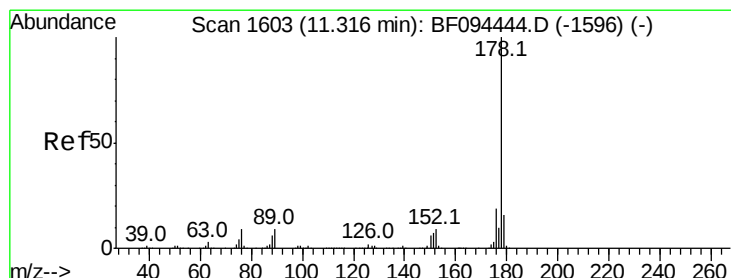
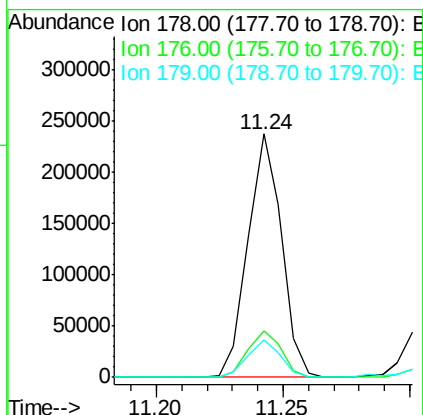
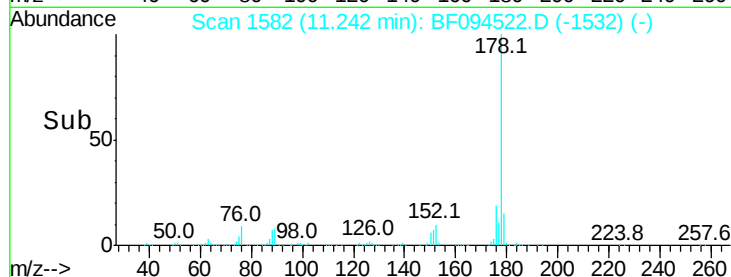
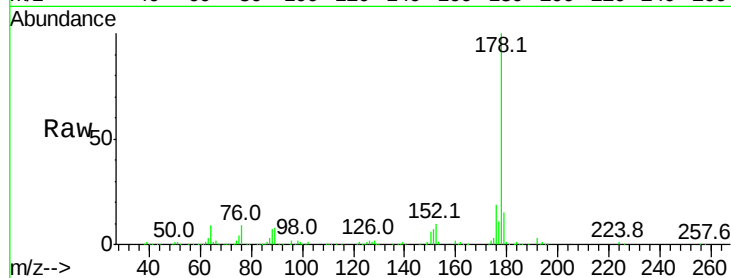
Tot Ion:178 Resp: 218897

Ion Ratio Lower Upper

178 100

176 19.1 16.2 24.4

179 15.2 12.6 19.0



#71

Anthracene

Concen: 2.01 ng

RT: 11.31 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF094522.D

Acq: 19 Apr 2017 18:13

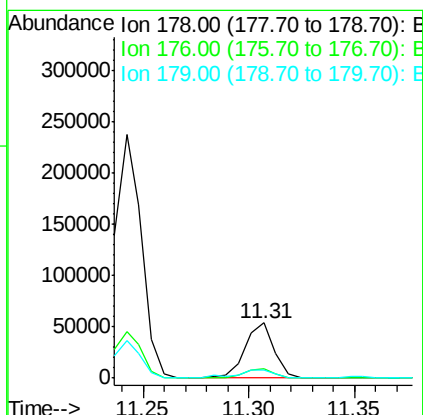
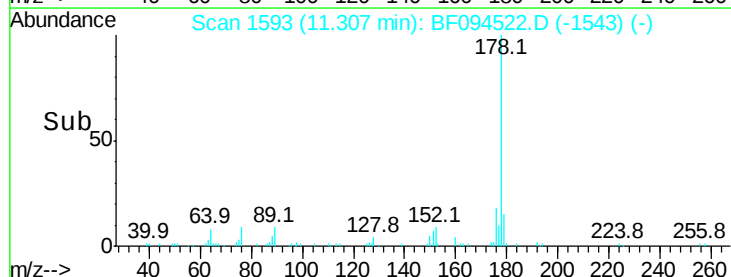
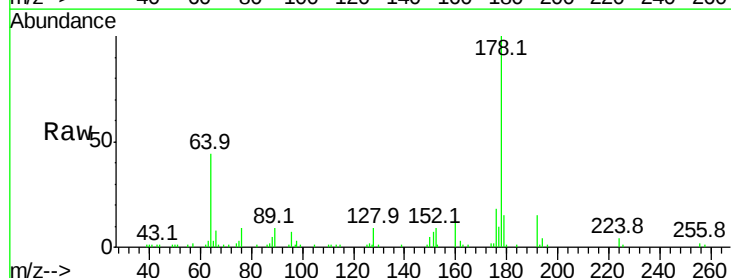
Tgt Ion:178 Resp: 51648

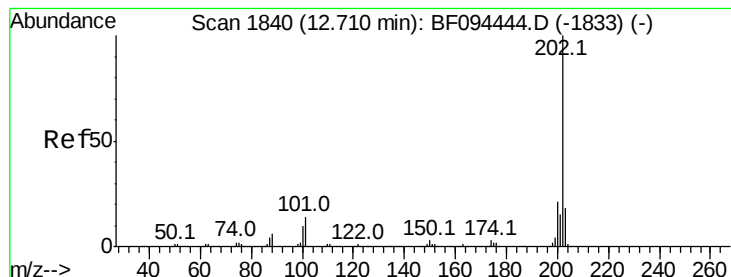
Ion Ratio Lower Upper

178 100

176 17.7 15.8 23.8

179 14.5 12.7 19.1





#74

Fluoranthene

Concen: 8.11 ng

RT: 12.71 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BF094522.D

Acq: 19 Apr 2017 18:13

Instrument :

BNA_F

ClientSampleId :

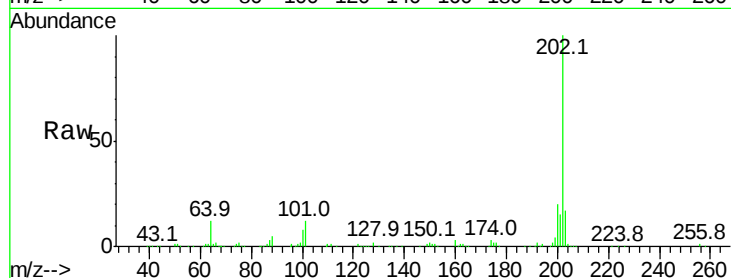
Tot Ion:202 Resp: 208557

Ion Ratio Lower Upper

202 100

101 11.7 0.0 33.2

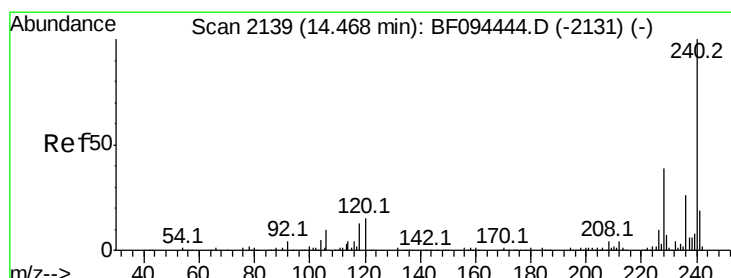
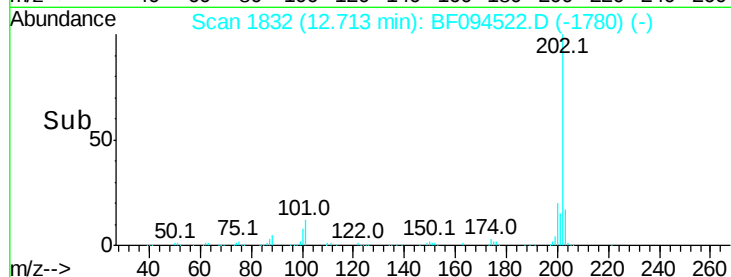
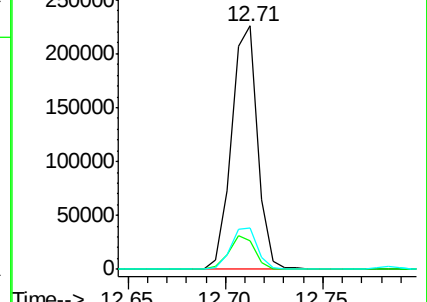
203 17.0 0.0 38.1



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: 14.46 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BF094522.D

Acq: 19 Apr 2017 18:13

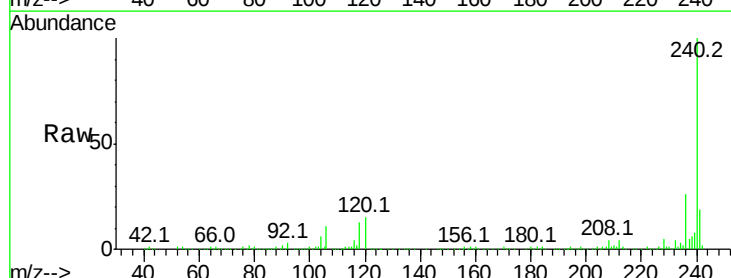
Tgt Ion:240 Resp: 332734

Ion Ratio Lower Upper

240 100

120 14.7 5.8 8.8#

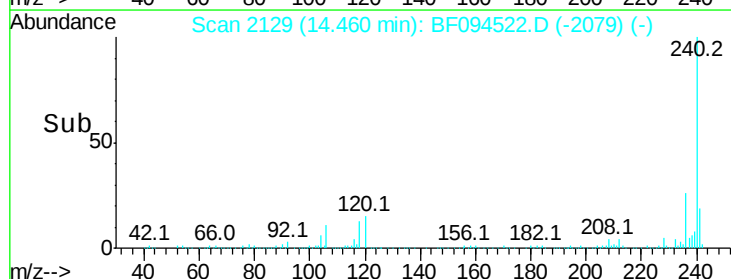
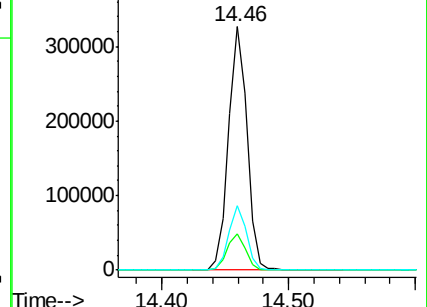
236 26.3 20.5 30.7

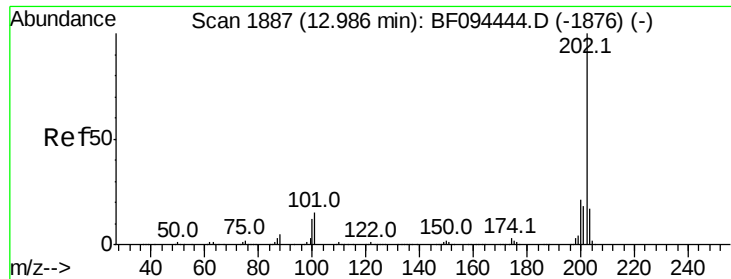


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

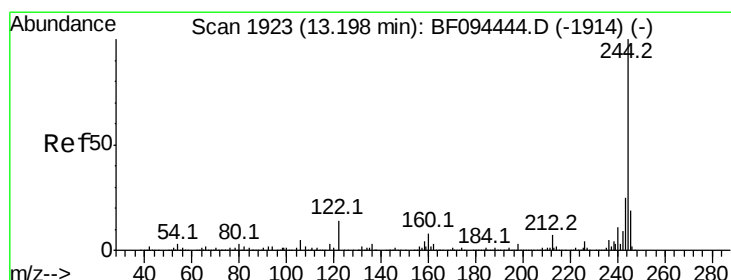
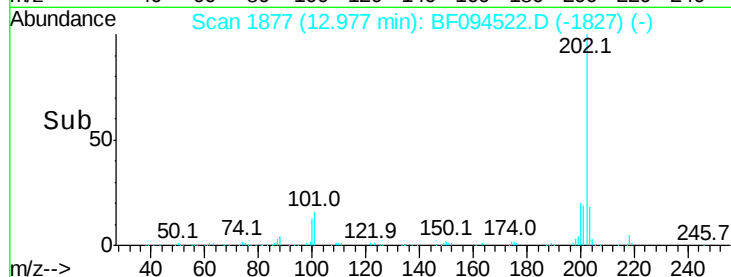
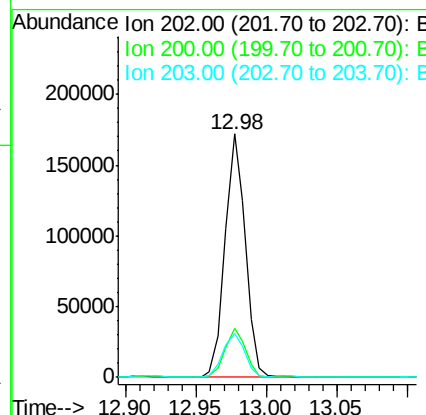
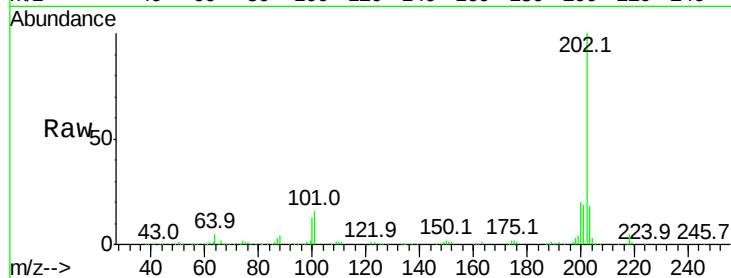




#77
Pvrene
Concen: 7.43 ng
RT: 12.98 min Scan# 1877
Delta R.T. -0.01 min
Lab File: BF094522.D
Acq: 19 Apr 2017 18:13

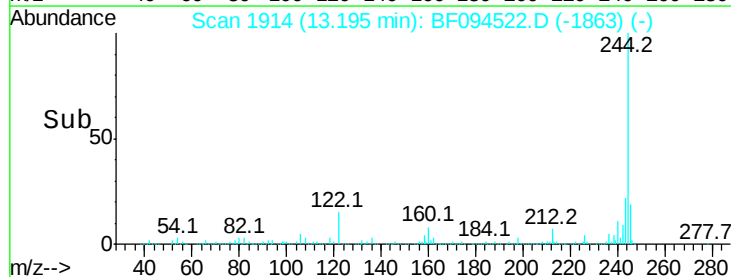
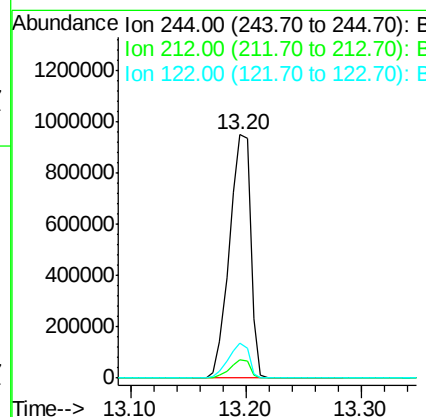
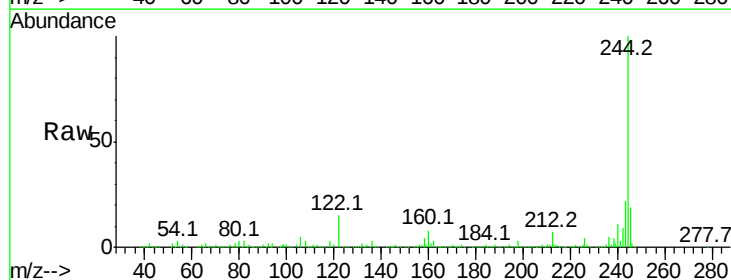
Instrument :
BNA_F
ClientSampleId :

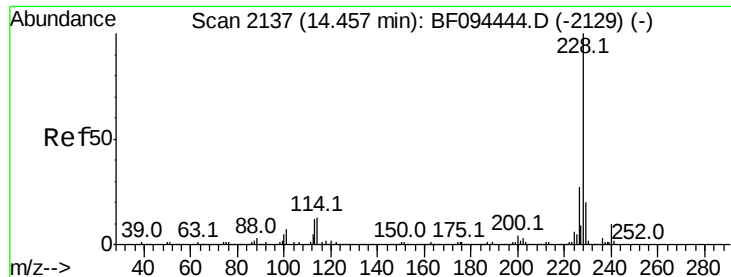
Tot Ion:202 Resp: 172820
Ion Ratio Lower Upper
202 100
200 20.1 17.6 26.4
203 18.3 14.4 21.6



#78
Terphenyl-d14
Concen: 97.20 ng
RT: 13.20 min Scan# 1914
Delta R.T. -0.00 min
Lab File: BF094522.D
Acq: 19 Apr 2017 18:13

Tgt Ion:244 Resp: 1209991
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 14.6 10.3 15.5





#80

Benzo(a)anthracene

Concen: 3.50 ng

RT: 14.45 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BF094522.D

Acq: 19 Apr 2017 18:13

Instrument :

BNA_F

ClientSampleId :

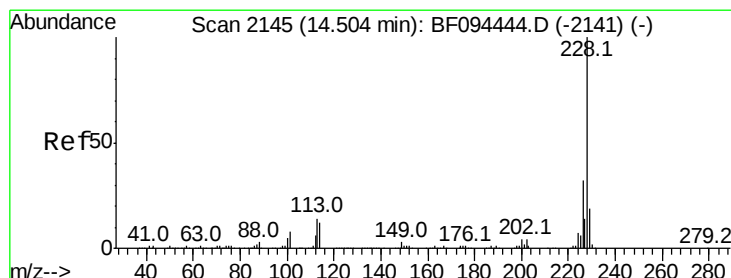
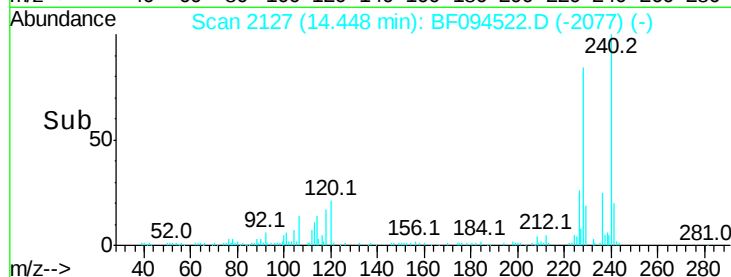
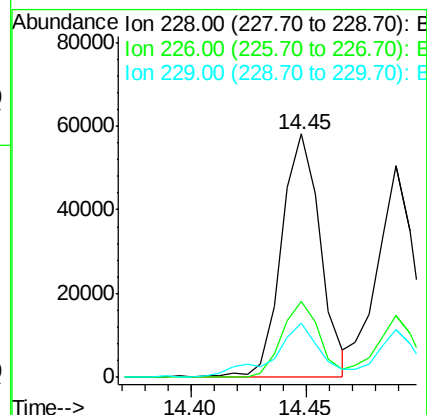
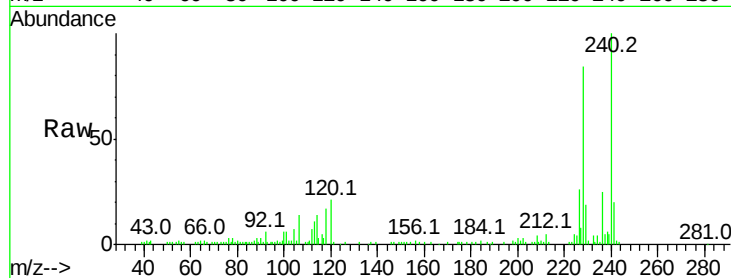
Tot Ion:228 Resp: 67726

Ion Ratio Lower Upper

228 100

226 31.4 22.6 33.8

229 22.1 16.3 24.5



#82

Chrysene

Concen: 3.18 ng

RT: 14.49 min Scan# 2134

Delta R.T. -0.01 min

Lab File: BF094522.D

Acq: 19 Apr 2017 18:13

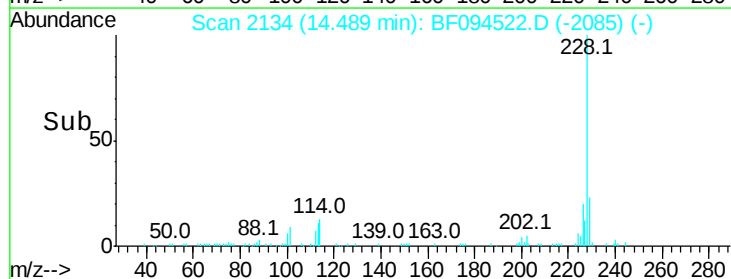
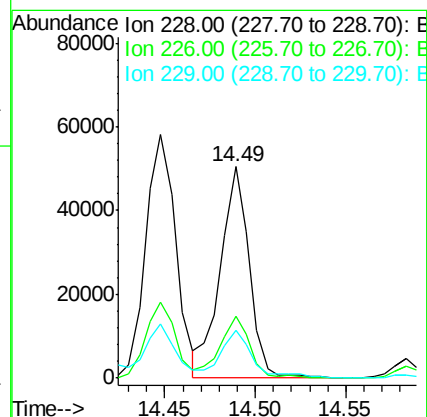
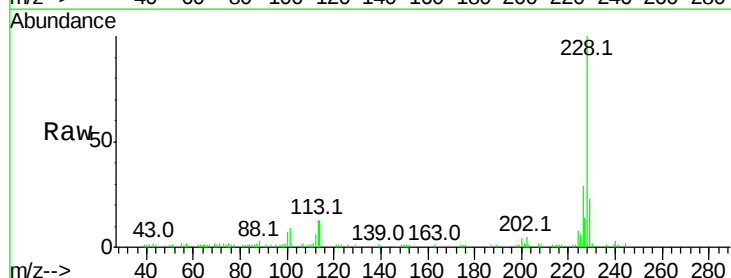
Tgt Ion:228 Resp: 56231

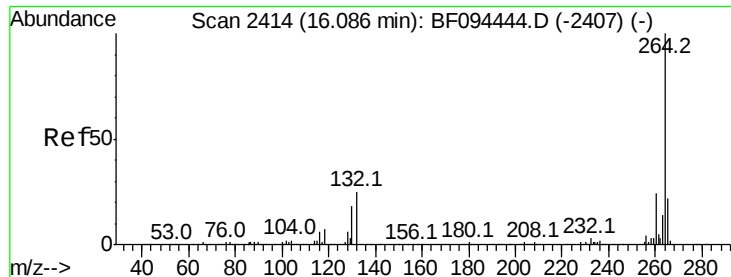
Ion Ratio Lower Upper

228 100

226 29.4 24.9 37.3

229 22.8 15.8 23.6

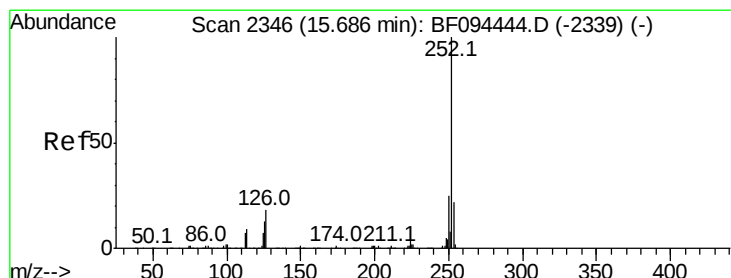
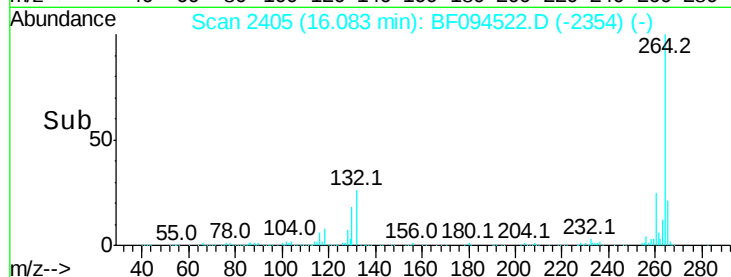
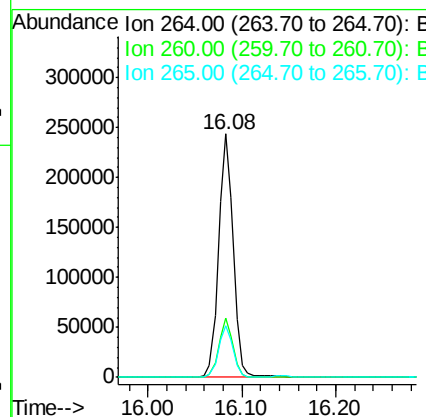
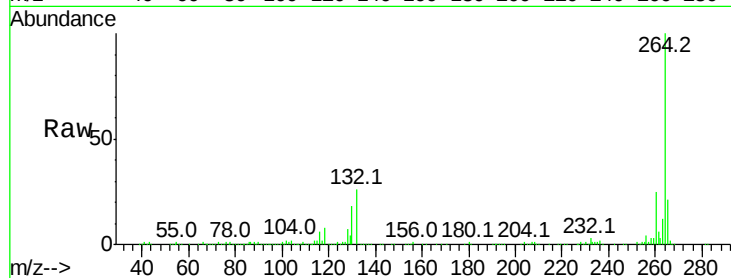




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2405
Delta R.T. -0.00 min
Lab File: BF094522.D
Acq: 19 Apr 2017 18:13

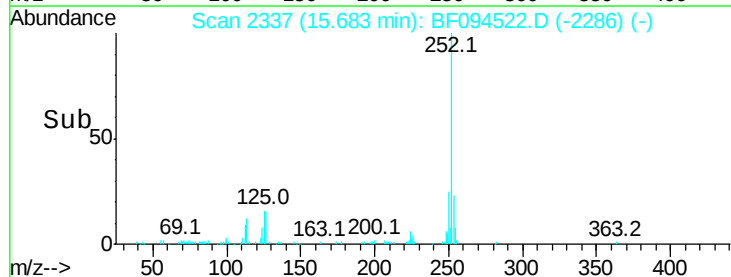
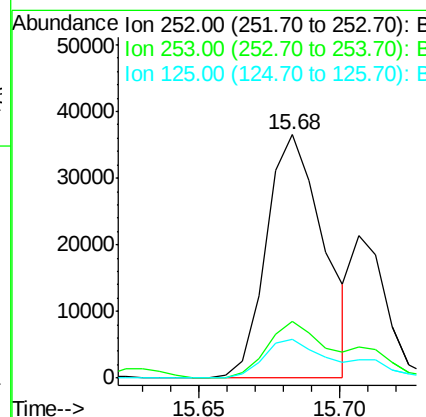
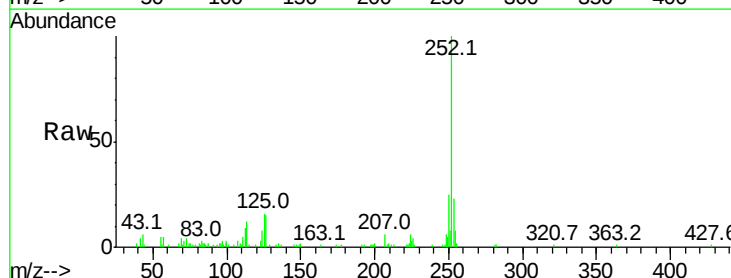
Instrument :
BNA_F
ClientSampleId :

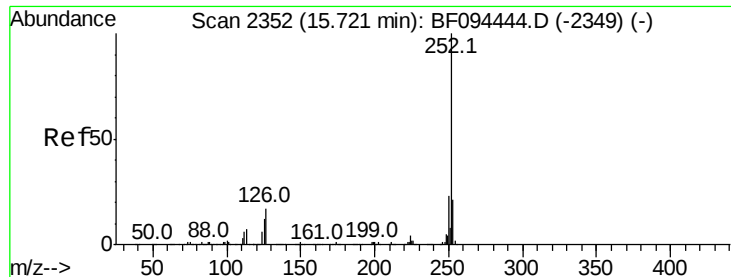
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	21.4	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 3.12 ng
RT: 15.68 min Scan# 2337
Delta R.T. -0.00 min
Lab File: BF094522.D
Acq: 19 Apr 2017 18:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	15.8	9.8	14.8

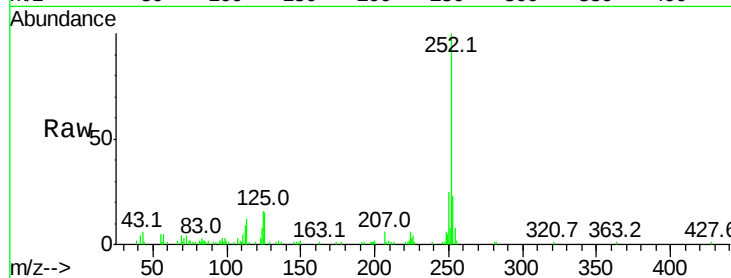




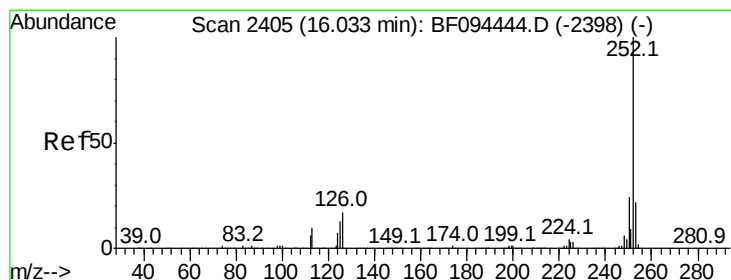
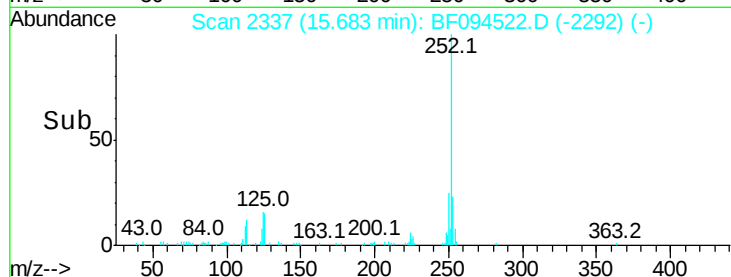
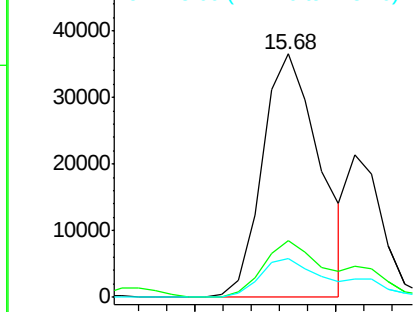
#88
Benzo(k)fluoranthene
Concen: 3.30 ng
RT: 15.68 min Scan# 2337
Delta R.T. -0.04 min
Lab File: BF094522.D
Acq: 19 Apr 2017 18:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 51406
Ion Ratio Lower Upper
252 100
253 23.1 18.4 27.6
125 15.8 13.1 19.7

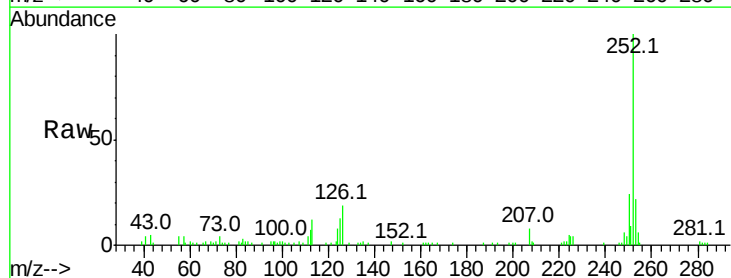


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.54 ng
RT: 16.02 min Scan# 2395
Delta R.T. -0.01 min
Lab File: BF094522.D
Acq: 19 Apr 2017 18:13

Tgt Ion:252 Resp: 38979
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 13.3 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

