

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
 Data File : BF094606.D
 Acq On : 25 Apr 2017 15:47
 Operator : SJ/MA
 Sample : I2811-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 01:23:46 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

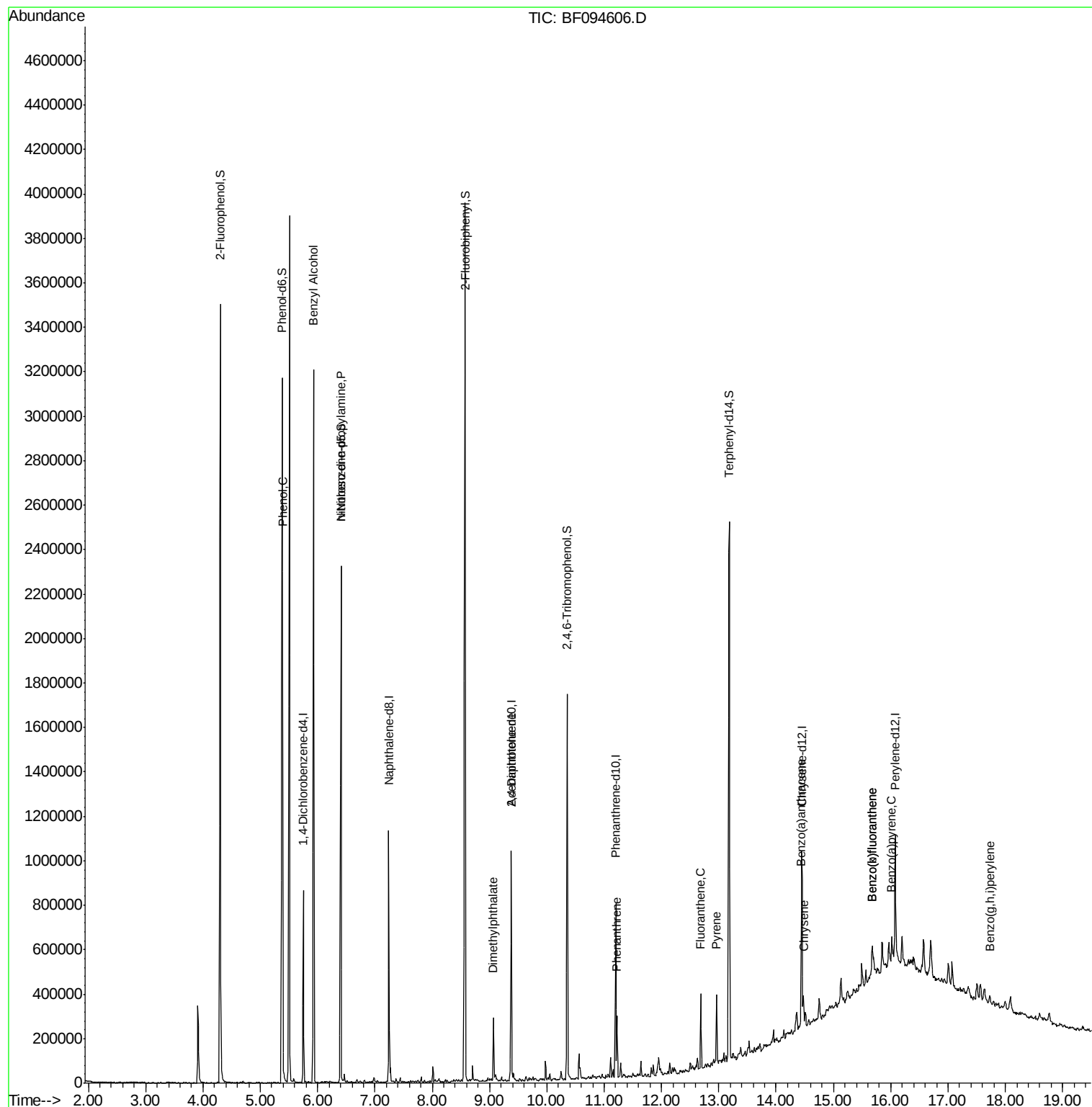
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	137872	20.00	ng	-0.01
21) Naphthalene-d8	7.24	136	529148	20.00	ng	-0.02
38) Acenaphthene-d10	9.38	164	213407	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	325823	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	296051	20.00	ng	-0.02
86) Perylene-d12	16.08	264	240972	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.30	112	1167803	140.53	ng	0.00
7) Phenol-d6	5.38	99	1475492	150.61	ng	0.00
23) Nitrobenzene-d5	6.41	82	886484	103.45	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	222441	133.26	ng	-0.01
44) 2-Fluorobiphenyl	8.57	172	1436711	99.05	ng	-0.01
78) Terphenyl-d14	13.18	244	946397	85.45	ng	-0.01
Target Compounds						Qvalue
10) Phenol	5.40	94	80567	6.69	ng	88
15) Benzyl Alcohol	5.93	79	14729	2.03	ng	# 44
19) n-Nitroso-di-n-propylamine	6.41	70	117952	18.17	ng	# 76
49) Dimethylphthalate	9.07	163	123918	7.79	ng	97
56) 2,4-Dinitrotoluene	9.38	165	27121	6.19	ng	# 33
70) Phenanthrene	11.22	178	105827	5.77	ng	97
74) Fluoranthene	12.69	202	146046	7.68	ng	98
77) Pyrene	12.96	202	129671	6.27	ng	96
80) Benzo(a)anthracene	14.44	228	61498	3.57	ng	98
82) Chrysene	14.48	228	64644	4.11	ng	97
87) Benzo(b)fluoranthene	15.68	252	95318	6.47	ng	# 89
88) Benzo(k)fluoranthene	15.68	252	95318	6.83	ng	# 93
89) Benzo(a)pyrene	16.02	252	48934	3.57	ng	# 83
91) Benzo(a,h,i)perylene	17.73	276	25222	2.18	ng	91

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

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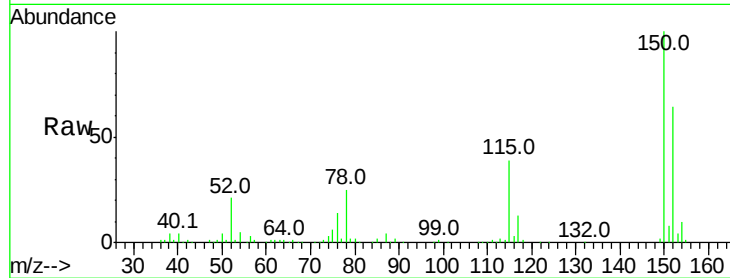


#1

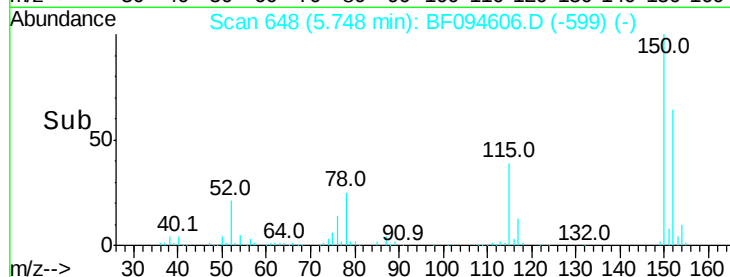
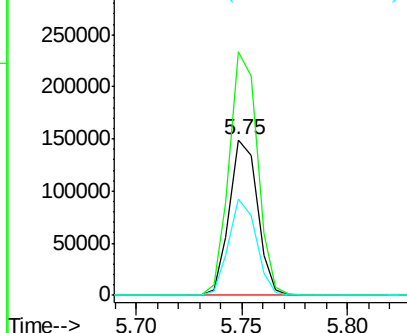
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.75 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF094606.D
Acq: 25 Apr 2017 15:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 137872
Ion Ratio Lower Upper
152 100
150 156.5 126.2 189.2
115 61.7 52.2 78.2



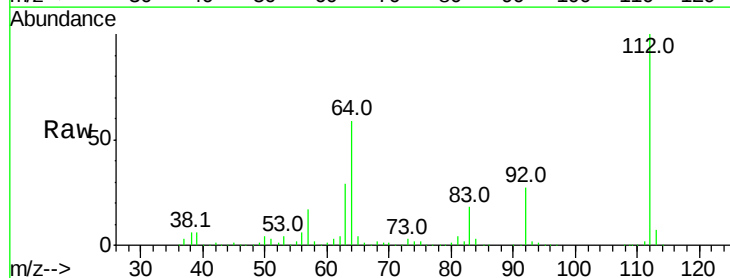
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



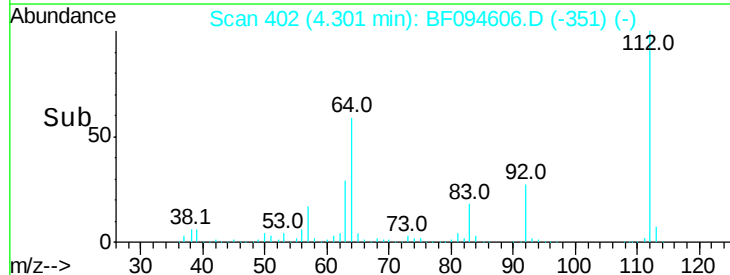
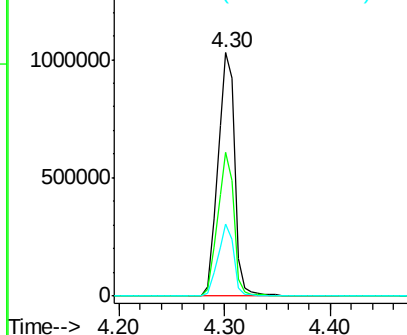
#5

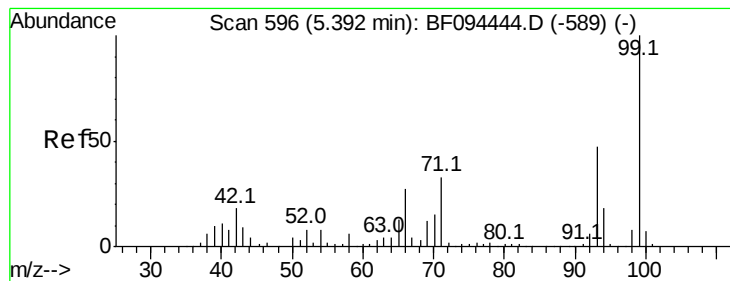
2-Fluorophenol
Concen: 140.53 ng
RT: 4.30 min Scan# 402
Delta R.T. -0.00 min
Lab File: BF094606.D
Acq: 25 Apr 2017 15:47

Tgt Ion:112 Resp: 1167803
Ion Ratio Lower Upper
112 100
64 59.0 46.0 69.0
63 29.4 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 150.61 ng

RT: 5.38 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

Instrument :

BNA_F

ClientSampled :

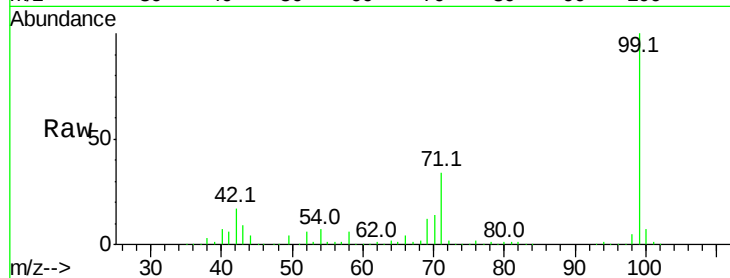
Tot Ion: 99 Resp: 1475492

Ion	Ratio	Lower	Upper
99	100		
42	17.5	13.5	20.3
71	33.5	24.5	36.7

99 100

42 17.5 13.5 20.3

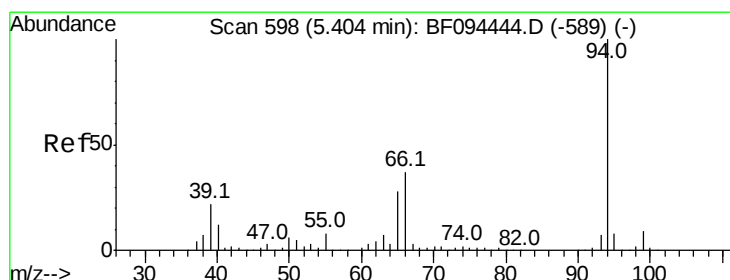
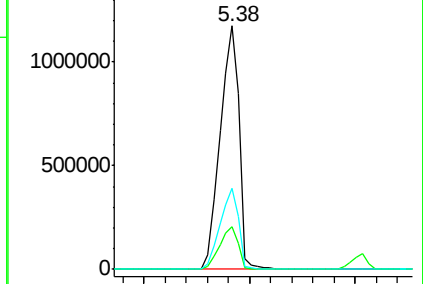
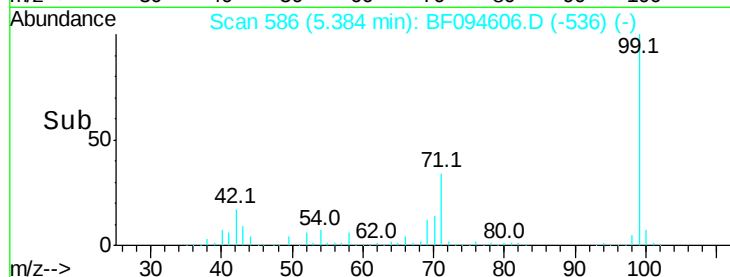
71 33.5 24.5 36.7



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: 6.69 ng

RT: 5.40 min Scan# 588

Delta R.T. -0.01 min

Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

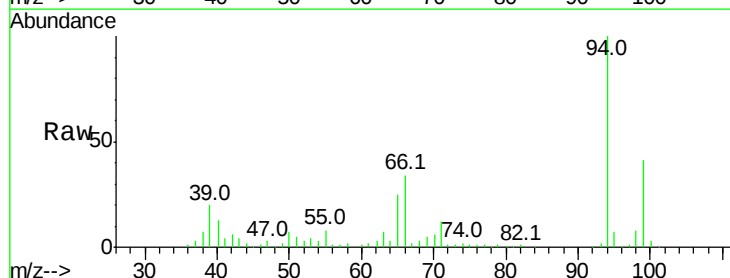
Tgt Ion: 94 Resp: 80567

Ion	Ratio	Lower	Upper
94	100		
65	25.2	9.9	49.9
66	33.7	23.1	63.1

94 100

65 25.2 9.9 49.9

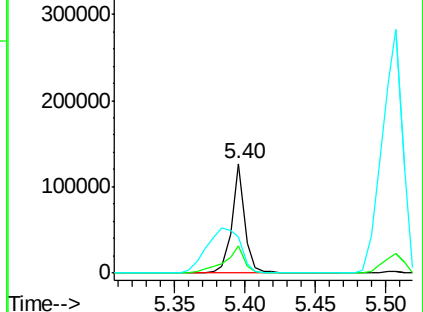
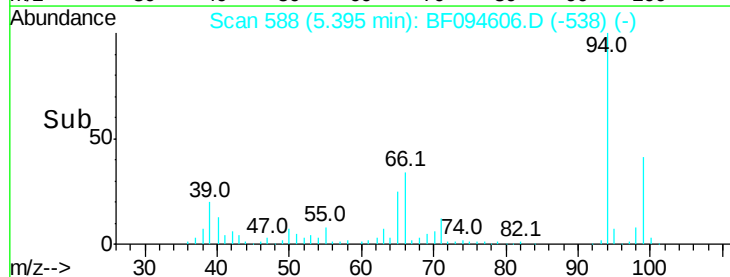
66 33.7 23.1 63.1

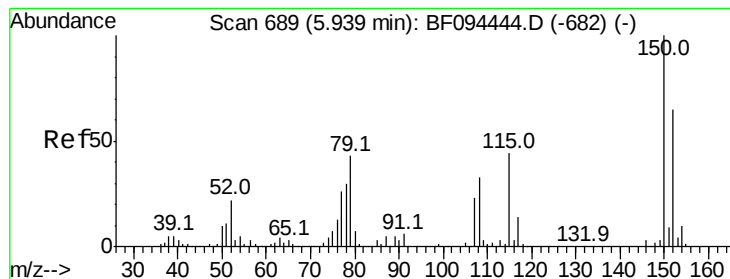


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.03 ng

RT: 5.93 min Scan# 679

Delta R.T. -0.01 min

Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

Instrument :

BNA_F

ClientSampled :

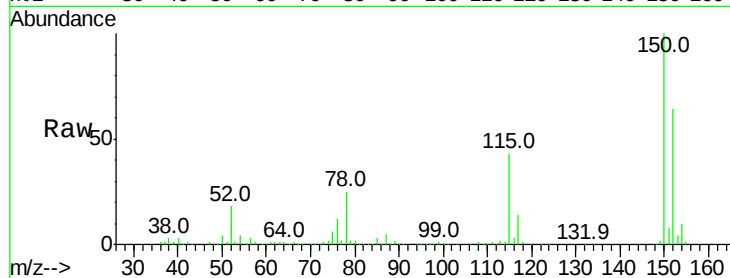
Tot Ion: 79 Resp: 14729

Ion Ratio Lower Upper

79 100

108 30.4 63.4 95.0#

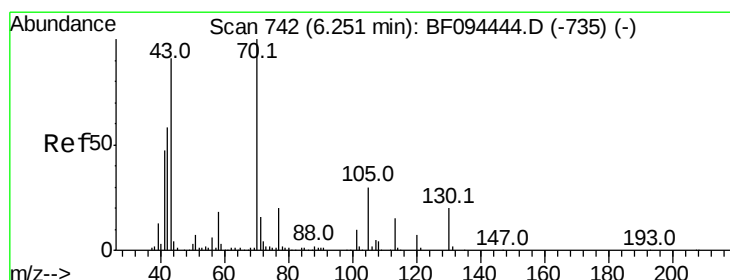
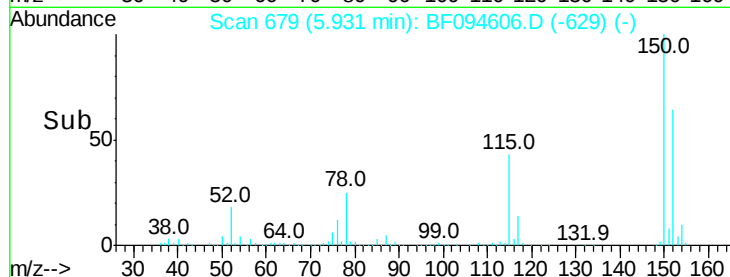
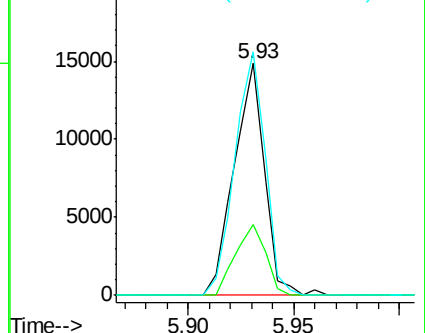
77 105.2 49.2 73.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 18.17 ng

RT: 6.41 min Scan# 760

Delta R.T. 0.16 min

Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

Tgt Ion: 70 Resp: 117952

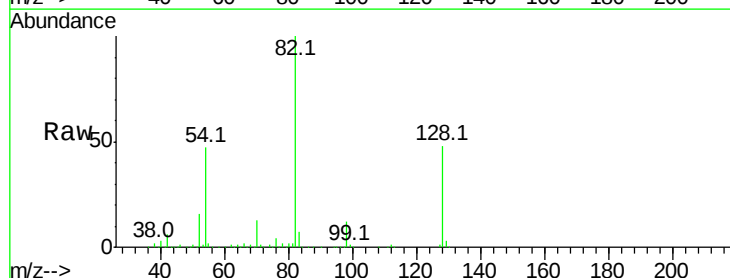
Ion Ratio Lower Upper

70 100

42 44.4 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

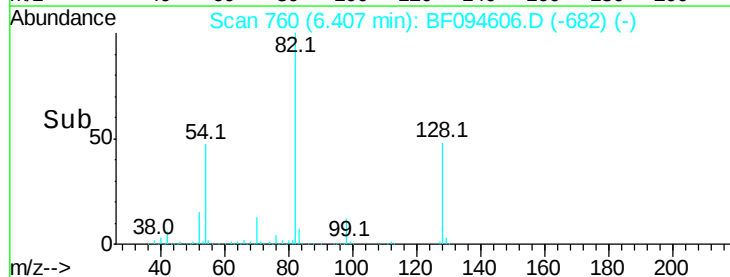
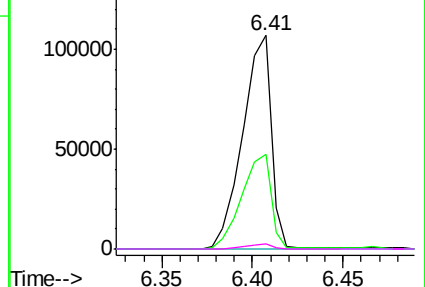


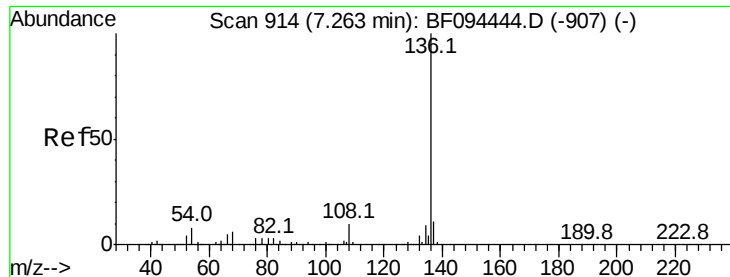
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.24 min Scan# 902

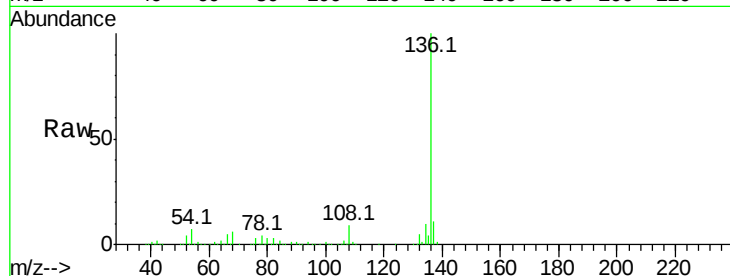
Delta R.T. -0.02 min

Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	529148
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.5 12.7
54	7.4	4.9 7.3#
68	5.9	4.1 6.1

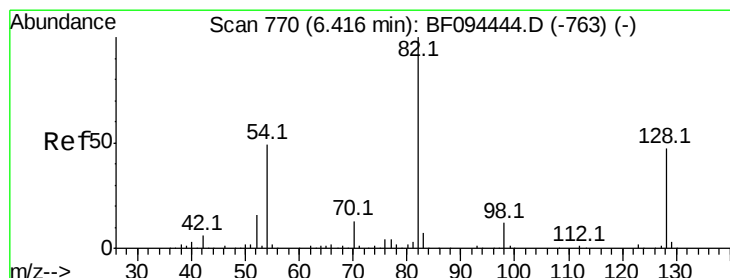
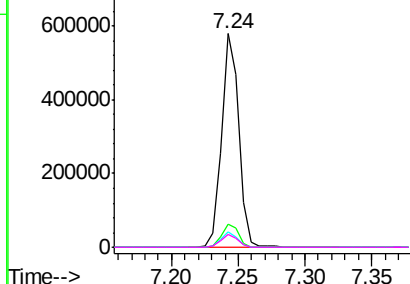
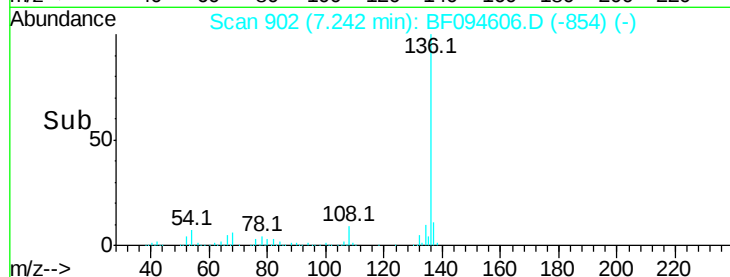


Abundance Ion 136.00 (135.70 to 136.70): E

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: 103.45 ng

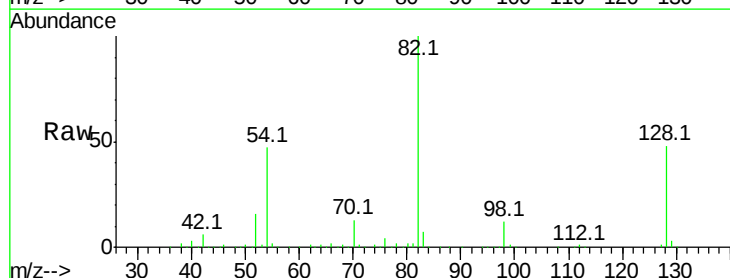
RT: 6.41 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

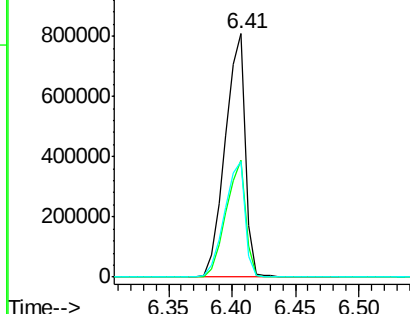
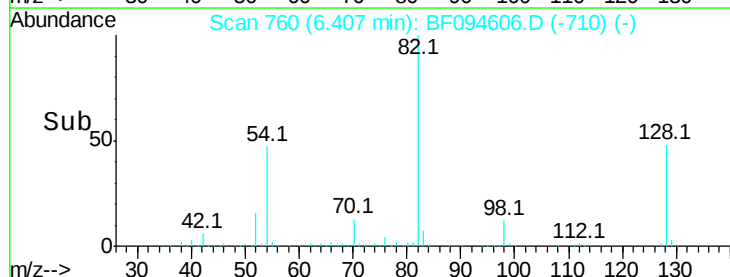
Tgt Ion: 82	Resp:	886484
Ion Ratio	Lower	Upper
82	100	
128	48.3	34.0 51.0
54	47.4	42.2 63.2

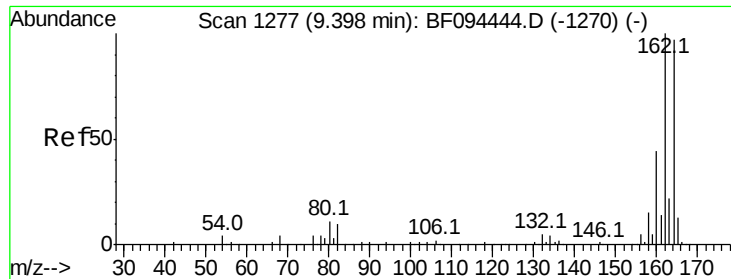


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.38 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

Instrument :

BNA_F

ClientSampleId :

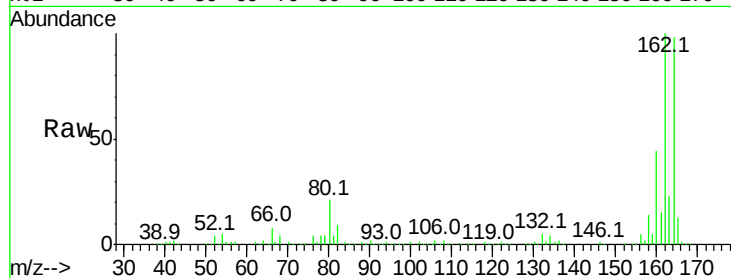
Tot Ion:164 Resp: 213407

Ion Ratio Lower Upper

164 100

162 102.4 82.6 123.8

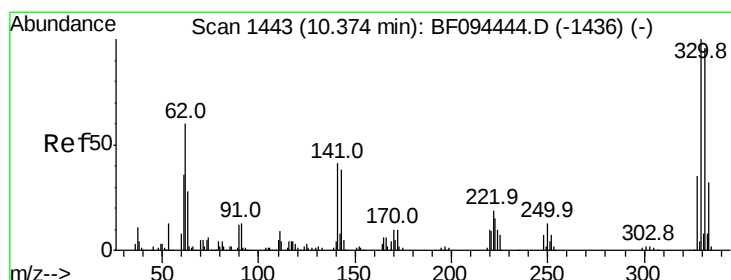
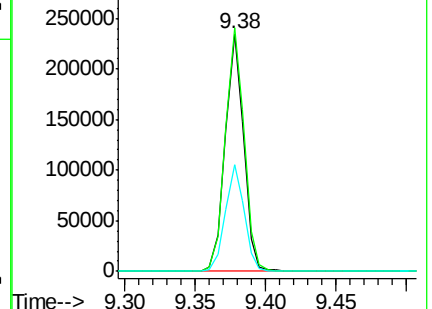
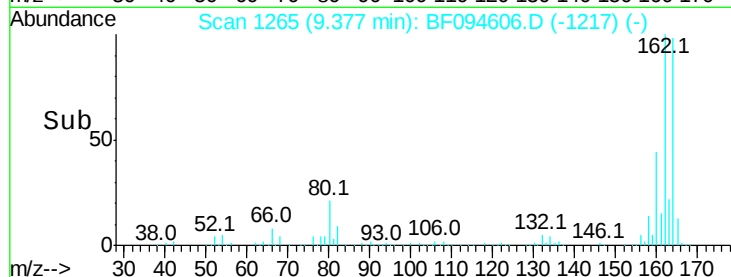
160 44.6 36.2 54.2



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: 133.26 ng

RT: 10.36 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

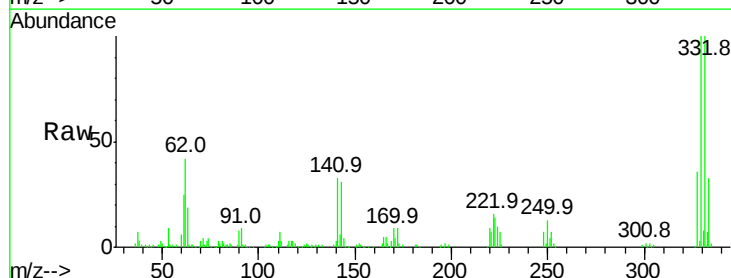
Tgt Ion:330 Resp: 222441

Ion Ratio Lower Upper

330 100

332 97.6 76.6 115.0

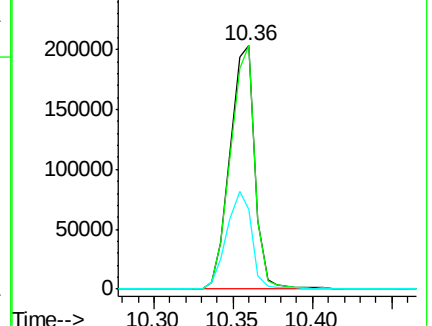
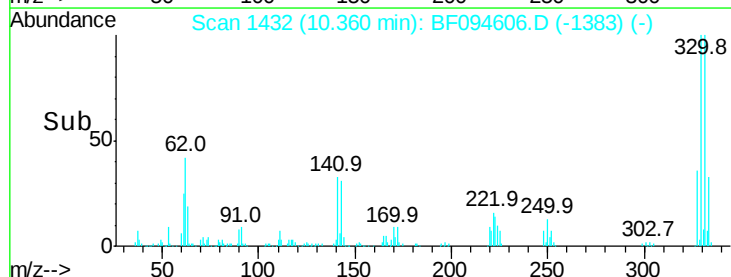
141 40.9 31.4 47.2

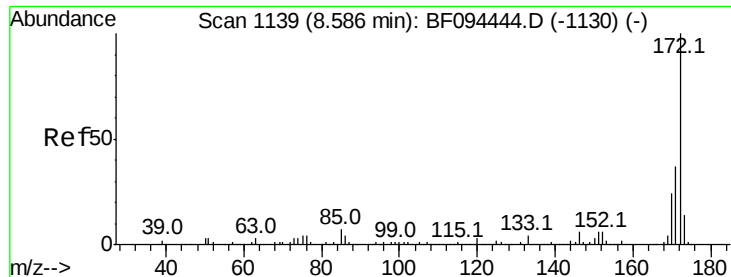


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

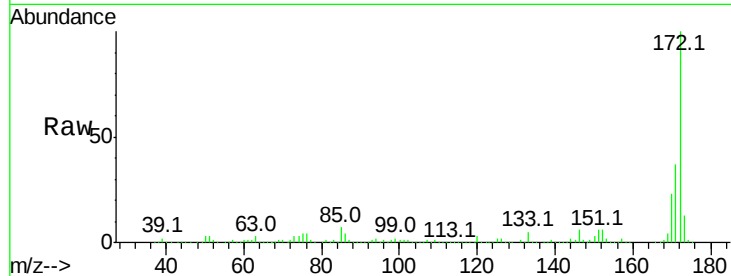




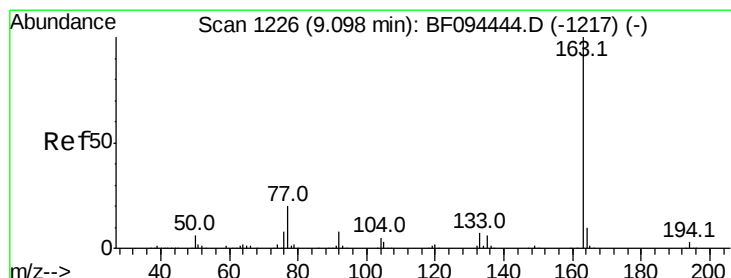
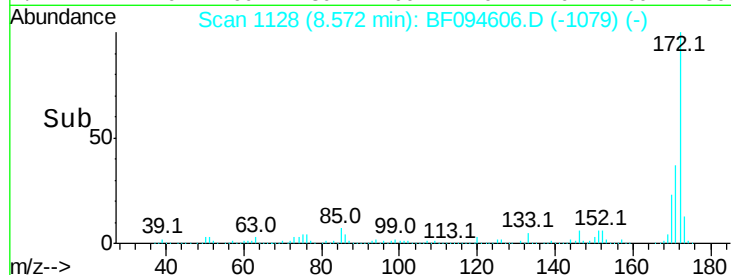
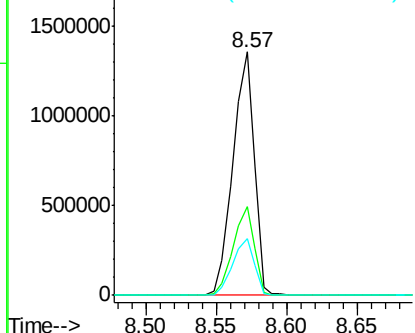
#44
2-Fluorobiphenyl
Concen: 99.05 ng
RT: 8.57 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF094606.D
Acq: 25 Apr 2017 15:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1436711
Ion Ratio Lower Upper
172 100
171 36.6 29.6 44.4
170 23.5 19.8 29.8

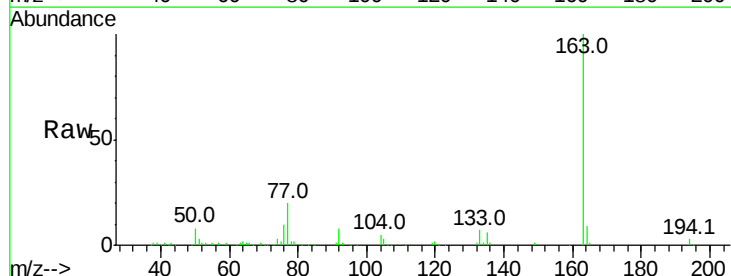


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

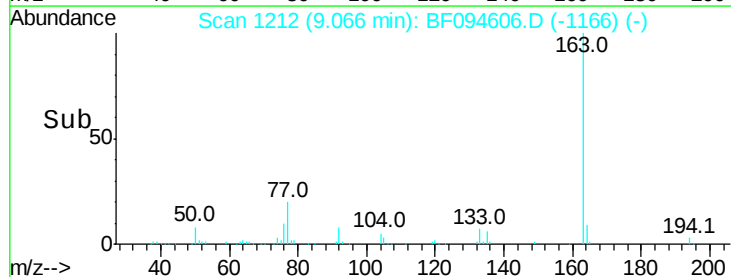
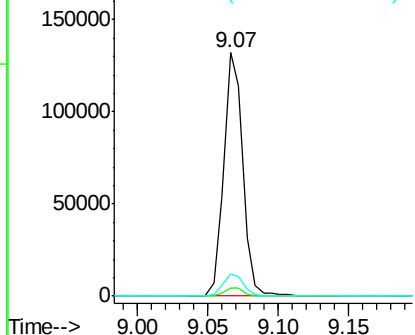


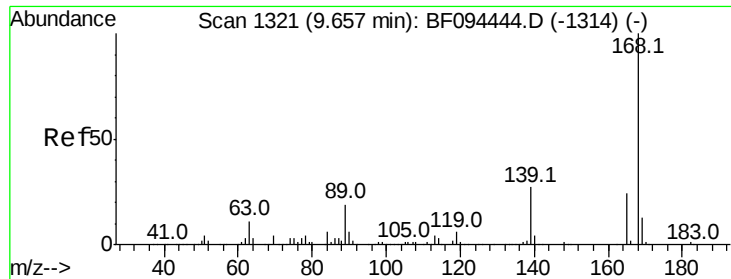
#49
Dimethylphthalate
Concen: 7.79 ng
RT: 9.07 min Scan# 1212
Delta R.T. -0.03 min
Lab File: BF094606.D
Acq: 25 Apr 2017 15:47

Tgt Ion:163 Resp: 123918
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 9.3 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

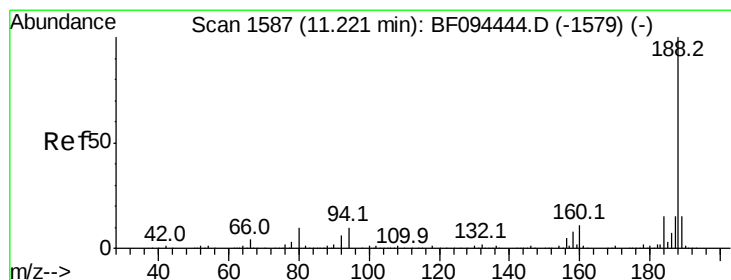
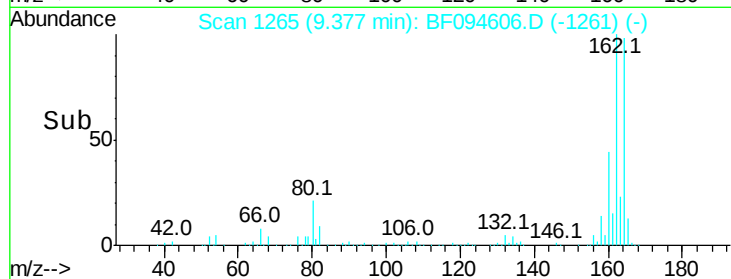
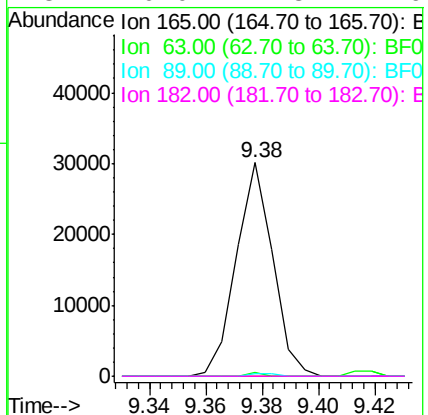
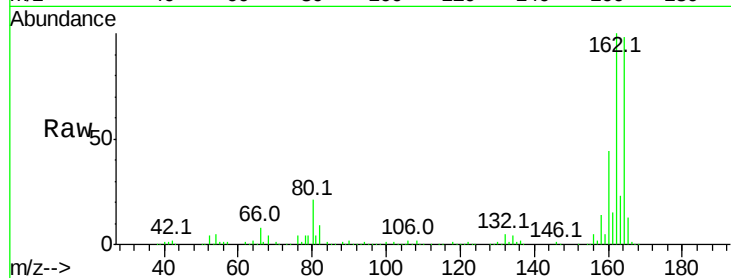




#56
 2,4-Dinitrotoluene
 Concen: 6.19 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. -0.28 min
 Lab File: BF094606.D
 Acq: 25 Apr 2017 15:47

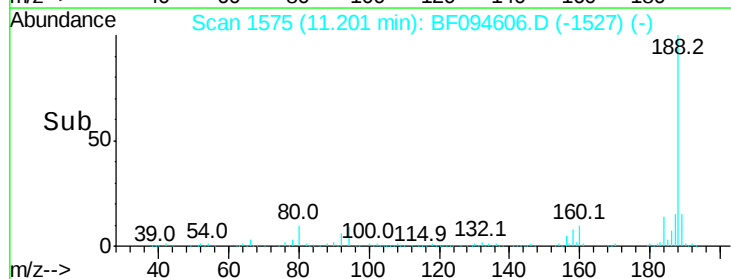
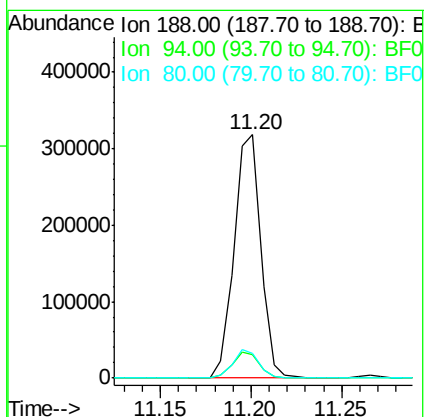
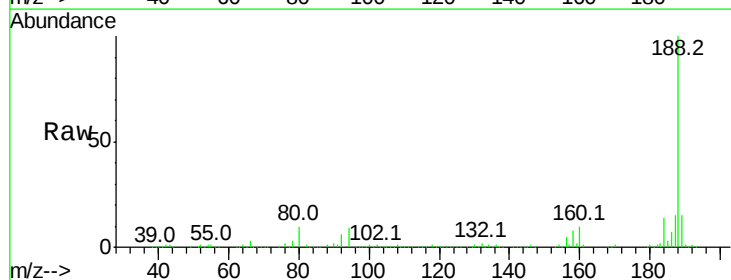
Instrument :
 BNA_F
 ClientSampleId :

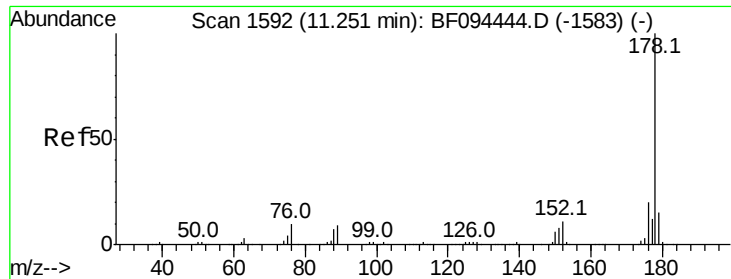
Tot Ion:165 Resp: 27121
 Ion Ratio Lower Upper
 165 100
 63 1.6 25.4 38.0#
 89 1.0 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 1575
 Delta R.T. -0.02 min
 Lab File: BF094606.D
 Acq: 25 Apr 2017 15:47

Tgt Ion:188 Resp: 325823
 Ion Ratio Lower Upper
 188 100
 94 9.5 9.4 14.2
 80 10.0 10.2 15.2#

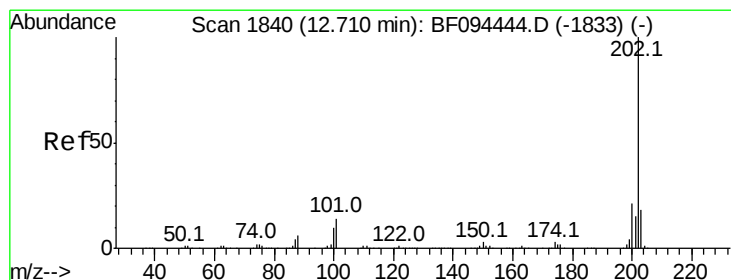
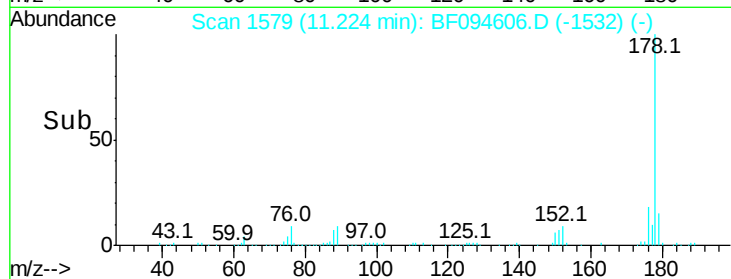
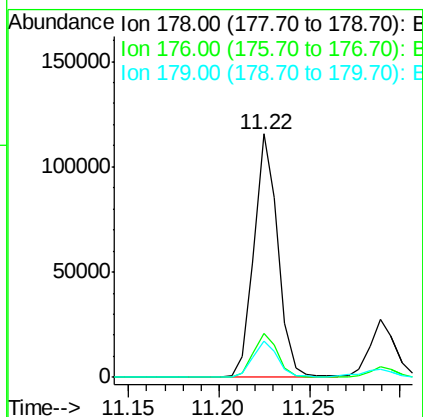
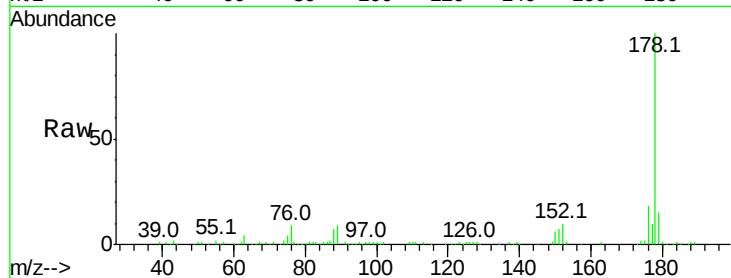




#70
Phenanthrene
Concen: 5.77 ng
RT: 11.22 min Scan# 1579
Delta R.T. -0.03 min
Lab File: BF094606.D
Acq: 25 Apr 2017 15:47

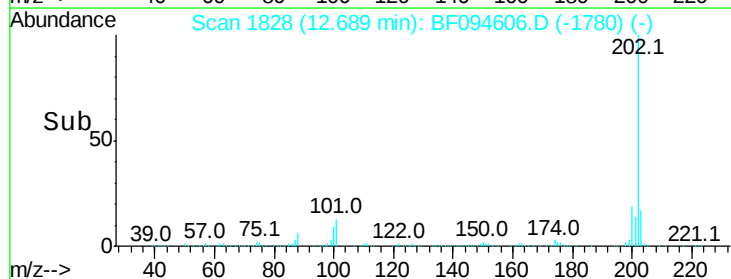
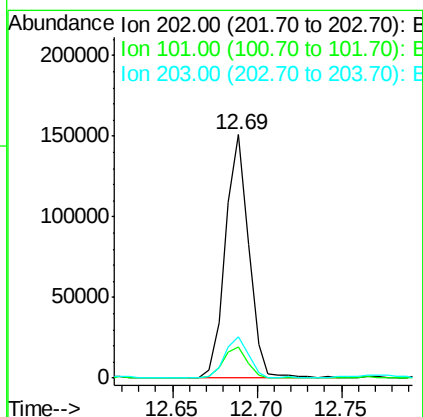
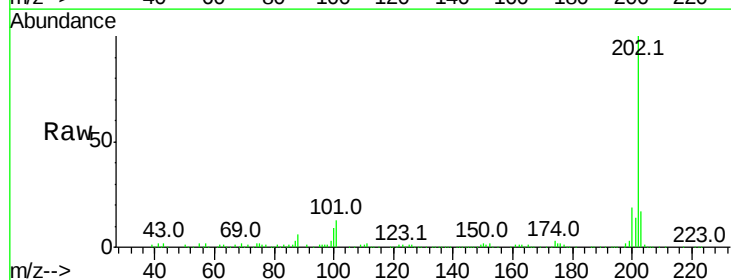
Instrument :
BNA_F
ClientSampleId :

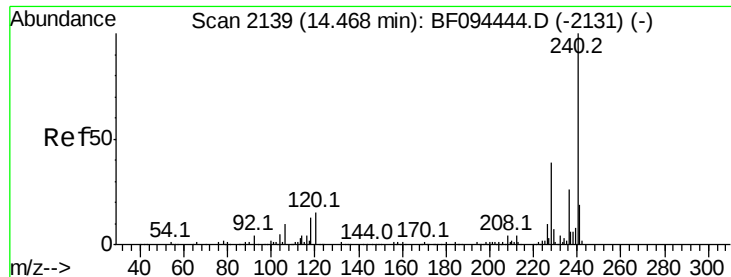
Tot Ion:178 Resp: 105827
Ion Ratio Lower Upper
178 100
176 18.1 16.2 24.4
179 15.1 12.6 19.0



#74
Fluoranthene
Concen: 7.68 ng
RT: 12.69 min Scan# 1828
Delta R.T. -0.02 min
Lab File: BF094606.D
Acq: 25 Apr 2017 15:47

Tgt Ion:202 Resp: 146046
Ion Ratio Lower Upper
202 100
101 12.8 0.0 33.2
203 16.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.45 min Scan# 2127

Delta R.T. -0.02 min

Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

Instrument :

BNA_F

ClientSampleId :

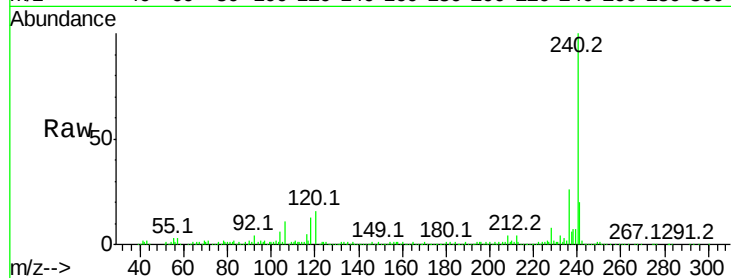
Tot Ion:240 Resp: 296051

Ion Ratio Lower Upper

240 100

120 16.3 5.8 8.8#

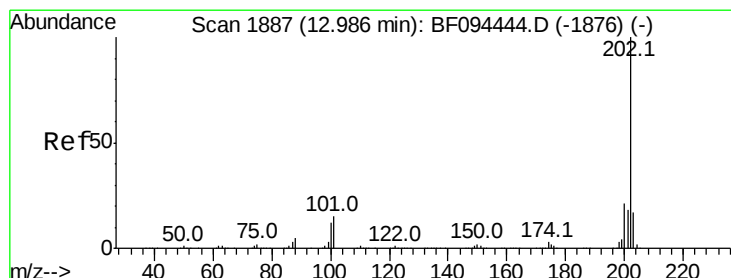
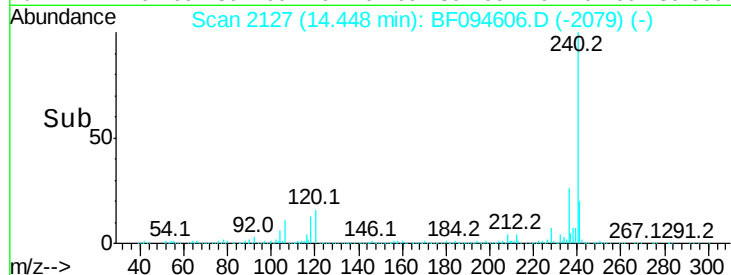
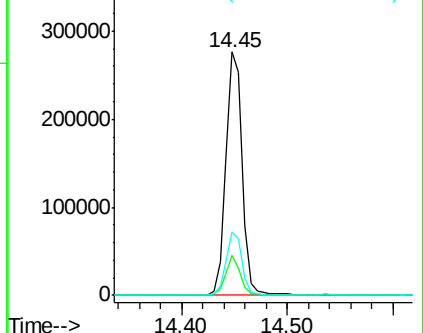
236 26.1 20.5 30.7



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: 6.27 ng

RT: 12.96 min Scan# 1874

Delta R.T. -0.03 min

Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

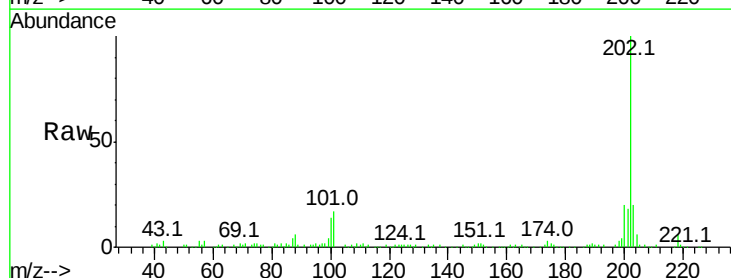
Tgt Ion:202 Resp: 129671

Ion Ratio Lower Upper

202 100

200 20.1 17.6 26.4

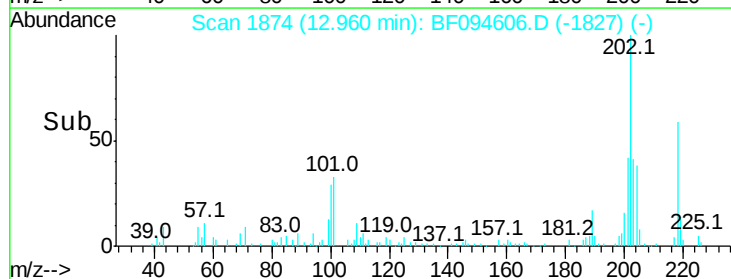
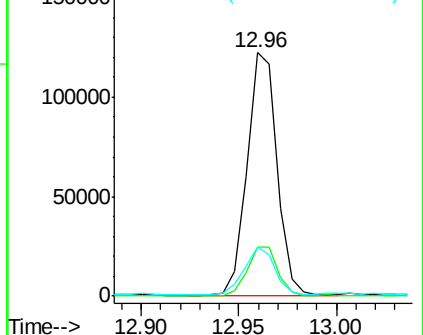
203 20.2 14.4 21.6

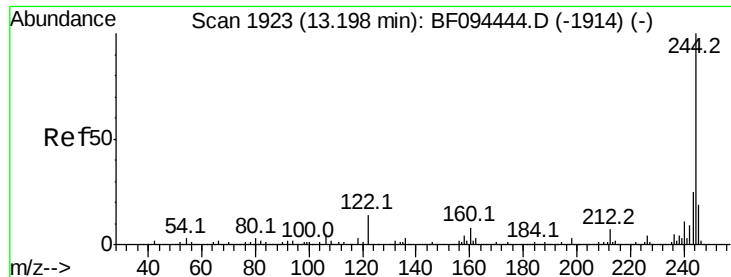


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 85.45 ng

RT: 13.18 min Scan# 1912

Delta R.T. -0.01 min

Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

Instrument :

BNA_F

ClientSampleId :

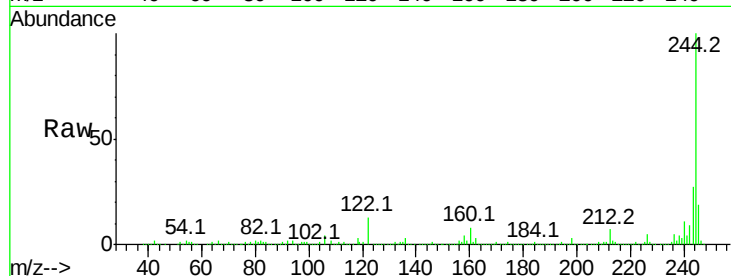
Tot Ion:244 Resp: 946397

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

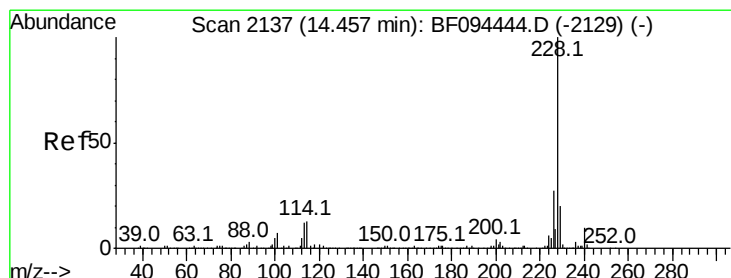
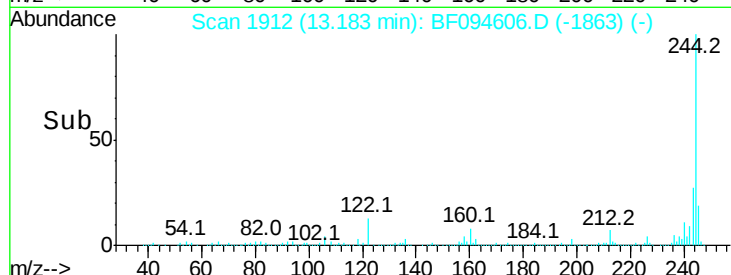
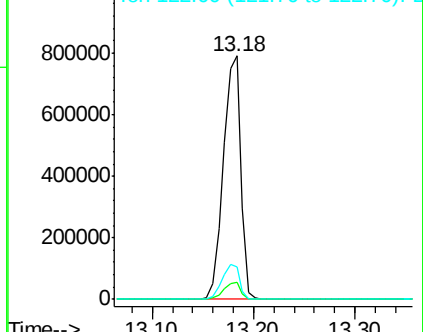
122 13.2 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 3.57 ng

RT: 14.44 min Scan# 2125

Delta R.T. -0.02 min

Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

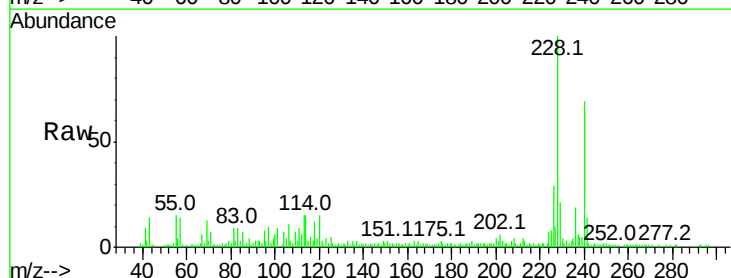
Tgt Ion:228 Resp: 61498

Ion Ratio Lower Upper

228 100

226 29.3 22.6 33.8

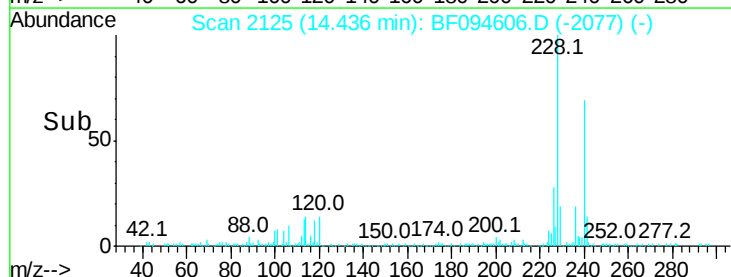
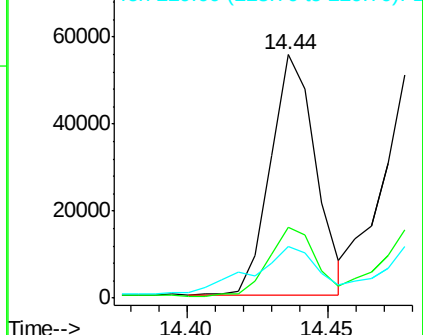
229 21.4 16.3 24.5

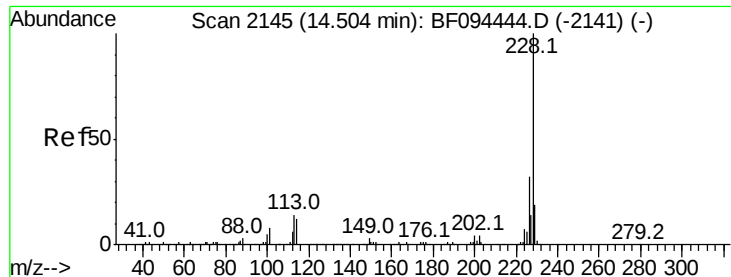


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.11 ng

RT: 14.48 min Scan# 2132

Delta R.T. -0.03 min

Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

Instrument :

BNA_F

ClientSampleId :

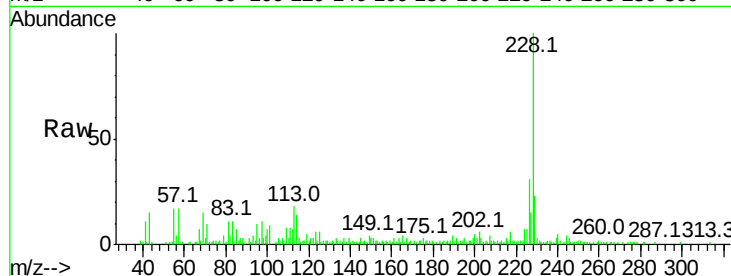
Tot Ion:228 Resp: 64644

Ion Ratio Lower Upper

228 100

226 30.8 24.9 37.3

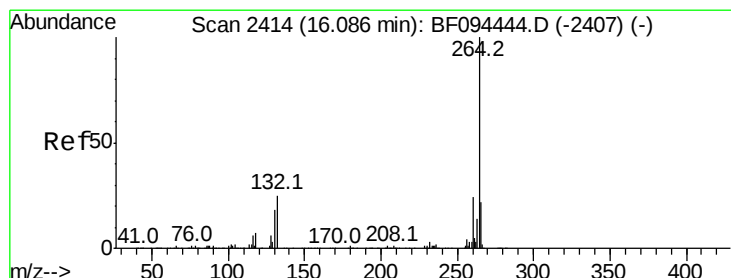
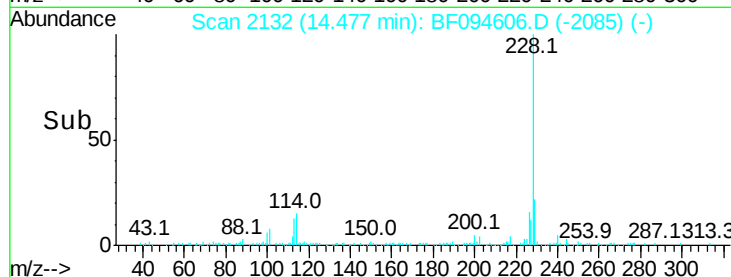
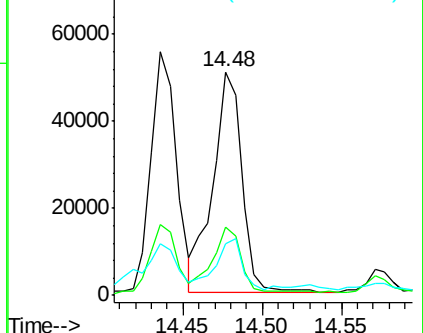
229 23.0 15.8 23.6



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.08 min Scan# 2405

Delta R.T. -0.00 min

Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

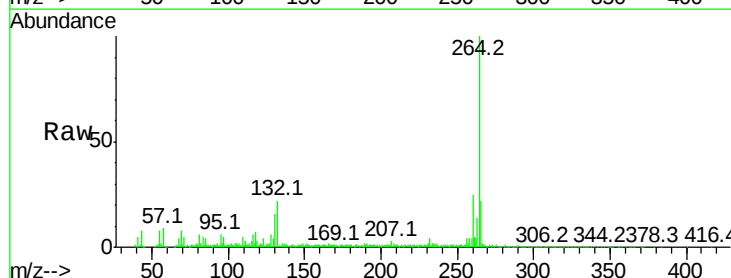
Tgt Ion:264 Resp: 240972

Ion Ratio Lower Upper

264 100

260 24.9 19.5 29.3

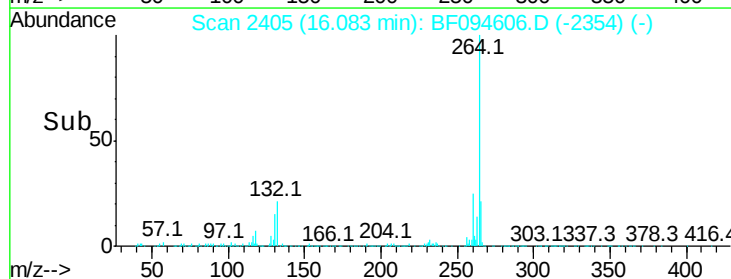
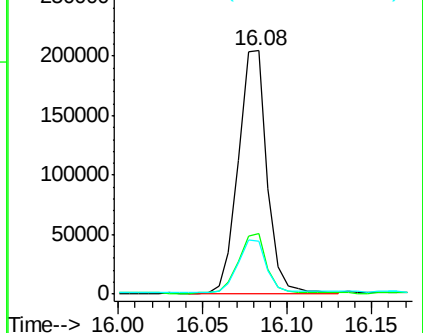
265 21.7 17.2 25.8

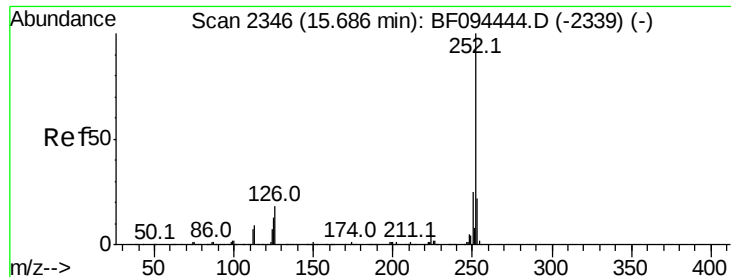


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 6.47 ng

RT: 15.68 min Scan# 2336

Delta R.T. -0.01 min

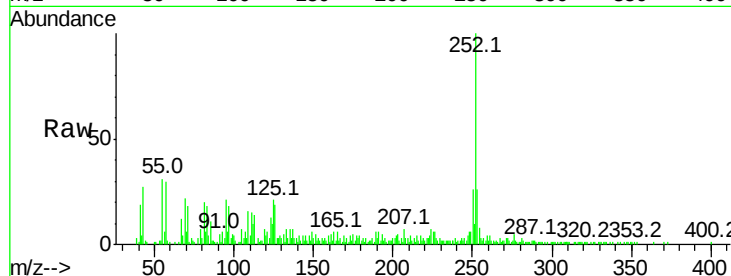
Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 95318

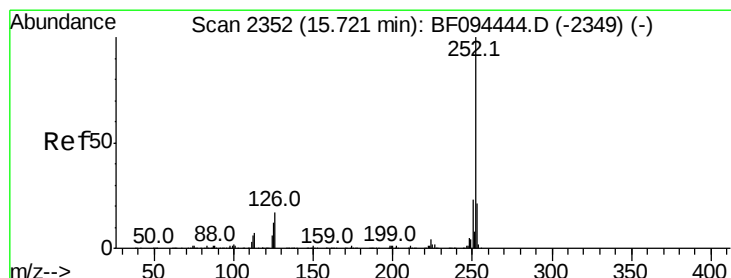
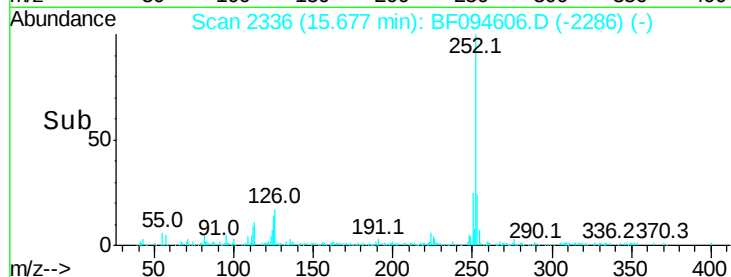
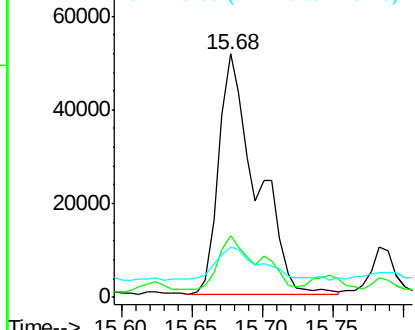
Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.1	27.1
125	20.7	9.8	14.8#



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: 6.83 ng

RT: 15.68 min Scan# 2336

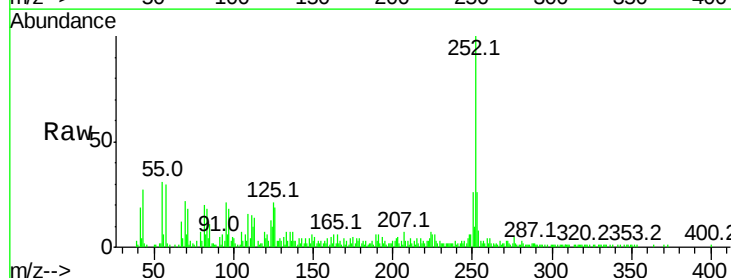
Delta R.T. -0.04 min

Lab File: BF094606.D

Acq: 25 Apr 2017 15:47

Tgt Ion:252 Resp: 95318

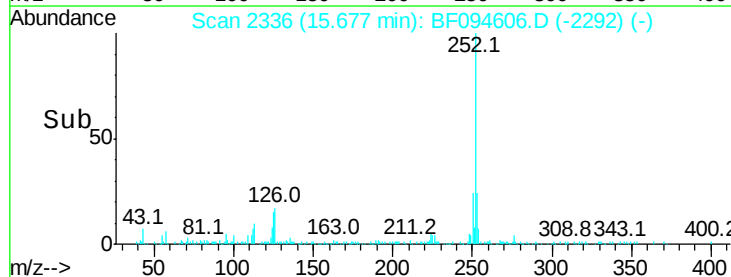
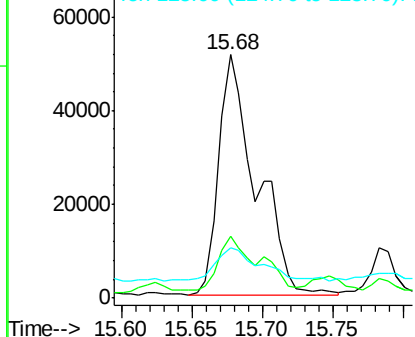
Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.4	27.6
125	20.7	13.1	19.7#

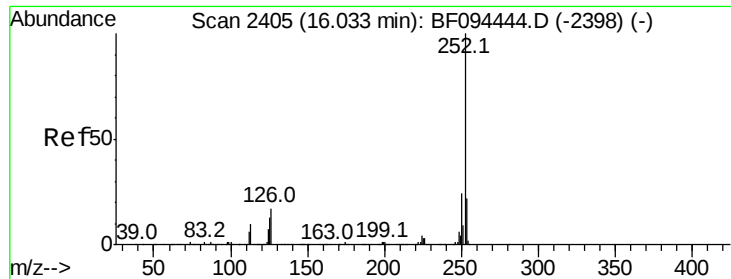


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

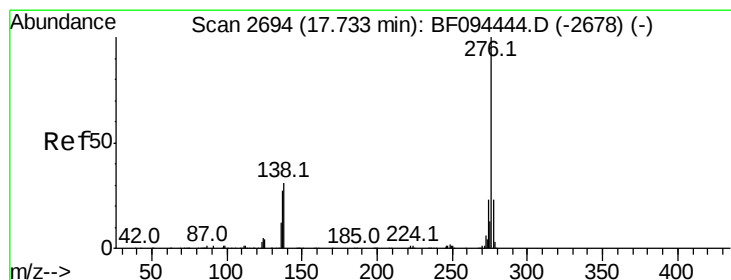
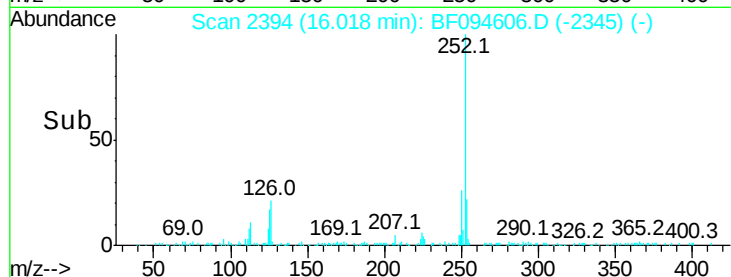
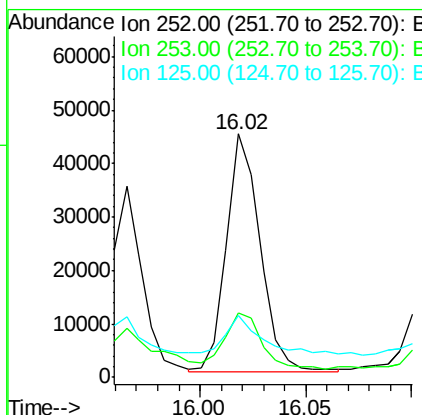
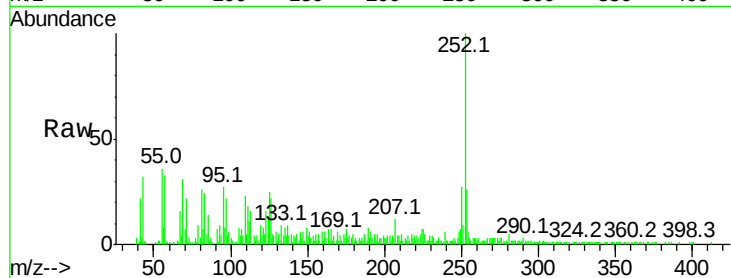




#89
Benzo(a)pyrene
Concen: 3.57 ng
RT: 16.02 min Scan# 2394
Delta R.T. -0.01 min
Lab File: BF094606.D
Acq: 25 Apr 2017 15:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 48934
Ion Ratio Lower Upper
252 100
253 26.5 17.5 26.3#
125 25.3 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 2.18 ng
RT: 17.73 min Scan# 2685
Delta R.T. -0.00 min
Lab File: BF094606.D
Acq: 25 Apr 2017 15:47

Tgt Ion:276 Resp: 25222
Ion Ratio Lower Upper
276 100
277 27.0 18.6 28.0
138 37.4 25.4 38.0

