

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091517\
 Data File : BF098588.D
 Acq On : 16 Sep 2017 00:18
 Operator : SJ/JU
 Sample : I5123-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-06

Quant Time: Sep 16 01:53:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

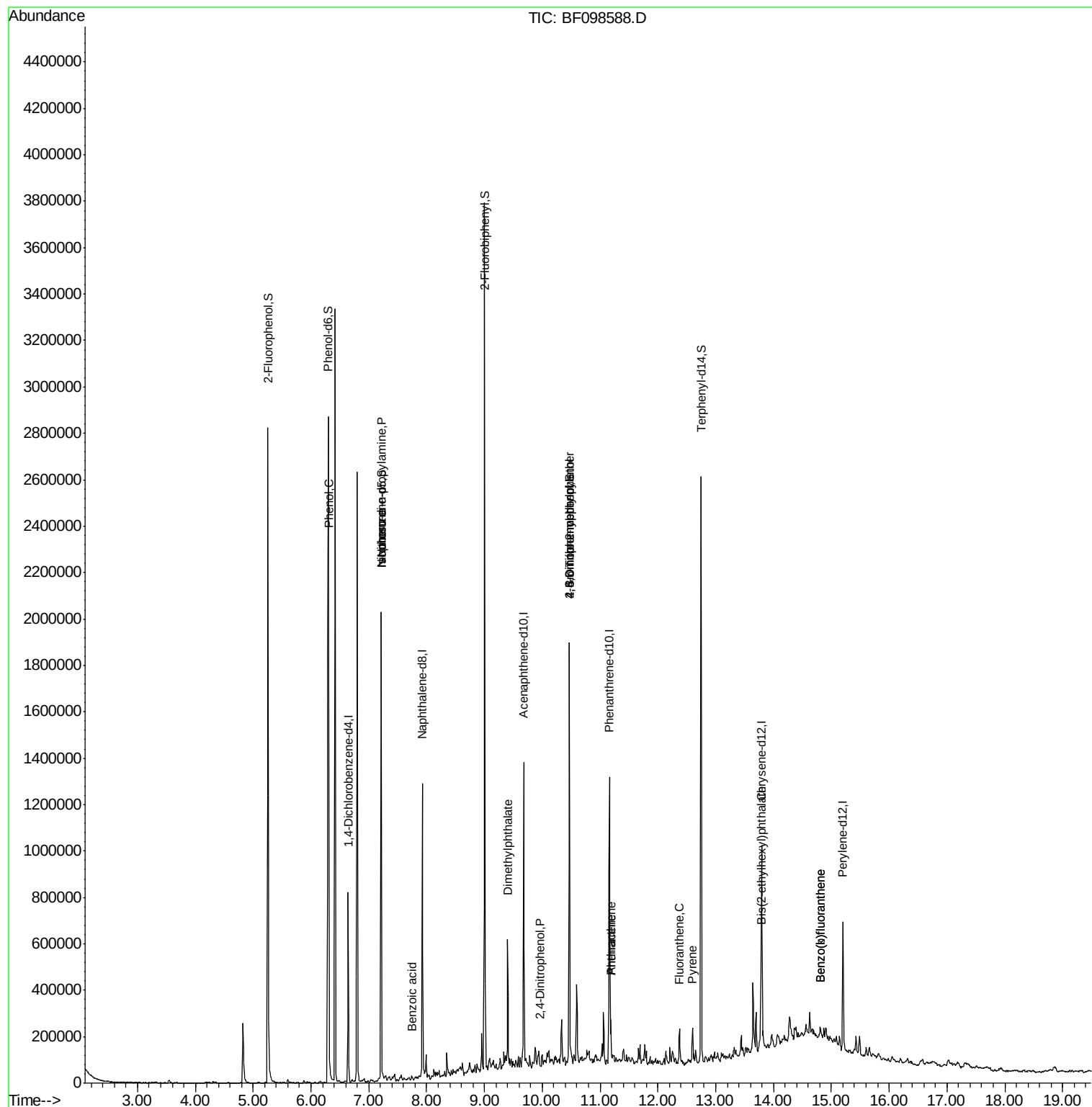
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	124765	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	522936	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	244084	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	407875	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	260673	20.00	ng	-0.02
86) Perylene-d12	15.20	264	234081	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	839519	99.49	ng	-0.02
7) Phenol-d6	6.30	99	1043247	97.37	ng	-0.02
23) Nitrobenzene-d5	7.22	82	629878	67.15	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	192430	118.12	ng	-0.02
44) 2-Fluorobiphenyl	9.00	172	1216559	84.48	ng	-0.03
78) Terphenyl-d14	12.75	244	803105	66.50	ng	-0.02
Target Compounds						
10) Phenol	6.31	94	39222	3.152	ng	Qvalue 92
19) n-Nitroso-di-n-propylamine	7.22	70	83106	12.332	ng	# 78
25) Isophorone	7.22	82	620425	32.691	ng	# 67
32) Benzoic acid	7.74	122	378	8.027	ng	# 14
49) Dimethylphthalate	9.40	163	138374	7.324	ng	97
53) 2,4-Dinitrophenol	9.96	184	126	8.586	ng	# 4
64) 4,6-Dinitro-2-methylphenol	10.47	198	1010	5.326	ng	# 1
66) 4-Bromophenyl-phenylether	10.47	248	14401	3.720	ng	# 1
70) Phenanthrene	11.19	178	64937	3.003	ng	98
71) Anthracene	11.19	178	64937	2.925	ng	98
74) Fluoranthene	12.37	202	51531	2.381	ng	95
77) Pyrene	12.60	202	63329	3.080	ng	97
83) Bis(2-ethylhexyl)phthalate	13.78	149	68224	6.094	ng	96
87) Benzo(b)fluoranthene	14.81	252	31600	2.147	ng	# 89
88) Benzo(k)fluoranthene	14.81	252	31600	2.300	ng	# 94

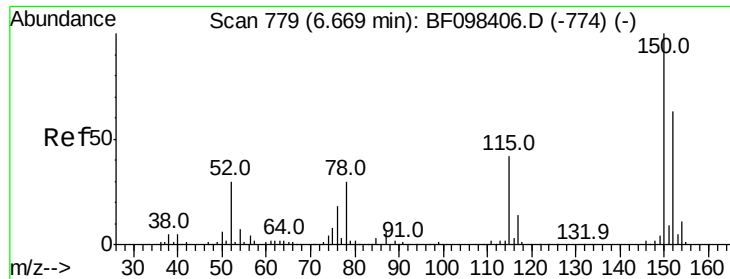
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.65 min Scan# 775

Delta R.T. -0.02 min

Lab File: BF098588.D

Acq: 16 Sep 2017 00:18

Instrument :

BNA_F

ClientSampleId :

EP-06

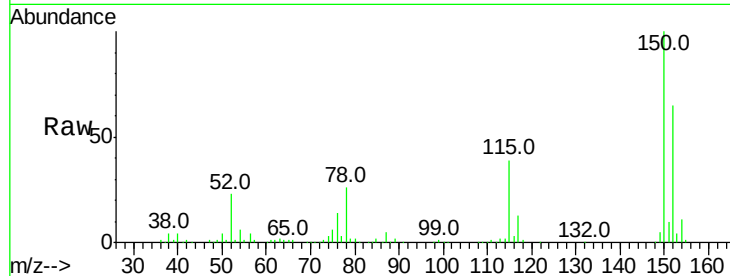
Tot Ion:152 Resp: 124765

Ion Ratio Lower Upper

152 100

150 154.9 126.2 189.2

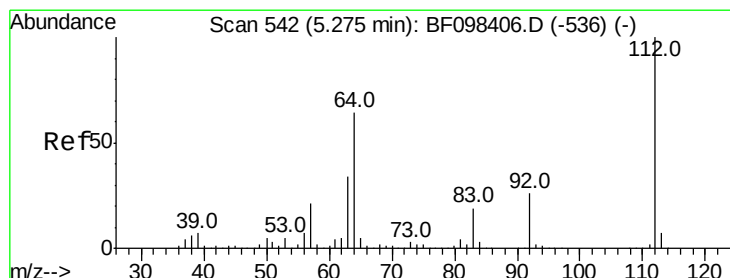
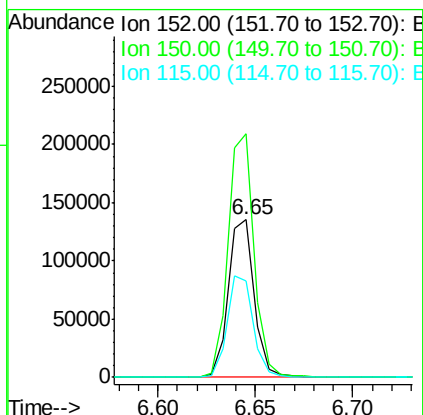
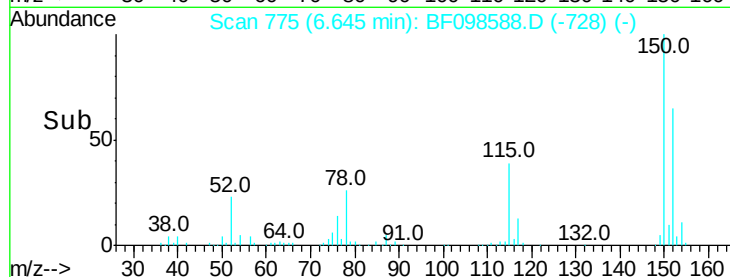
115 61.0 52.2 78.2



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: 99.487 ng

RT: 5.26 min Scan# 539

Delta R.T. -0.02 min

Lab File: BF098588.D

Acq: 16 Sep 2017 00:18

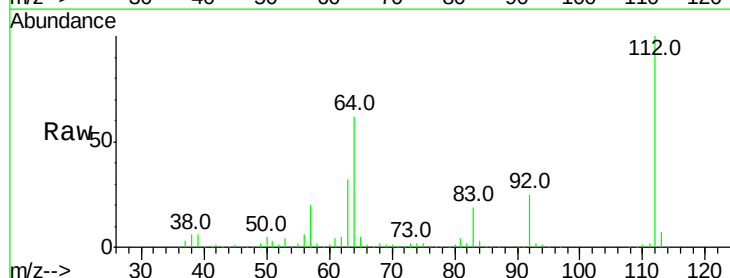
Tgt Ion:112 Resp: 839519

Ion Ratio Lower Upper

112 100

64 62.1 46.0 69.0

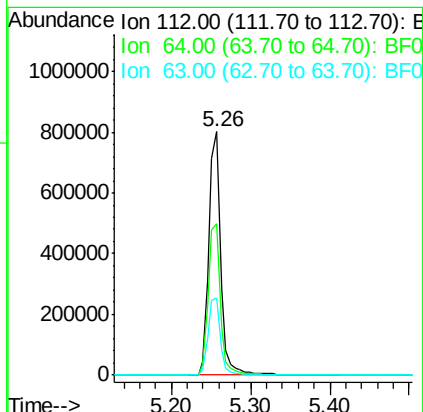
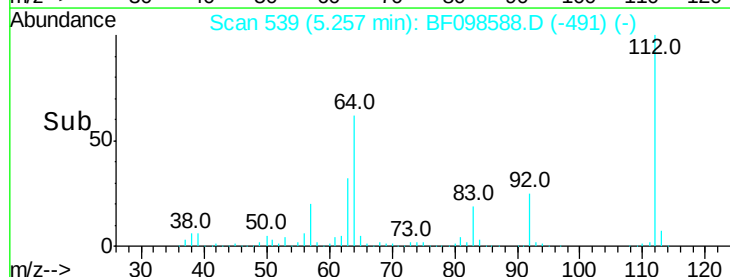
63 31.9 23.4 35.0

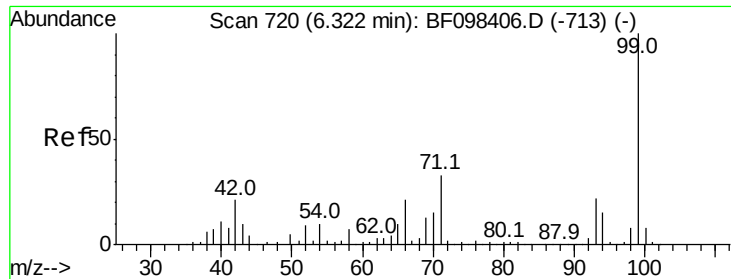


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 97.372 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BF098588.D

Acq: 16 Sep 2017 00:18

Instrument :

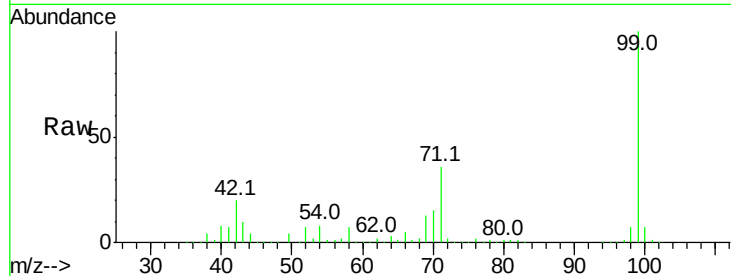
BNA_F

ClientSampleId :

EP-06

Tot Ion: 99 Resp: 1043247

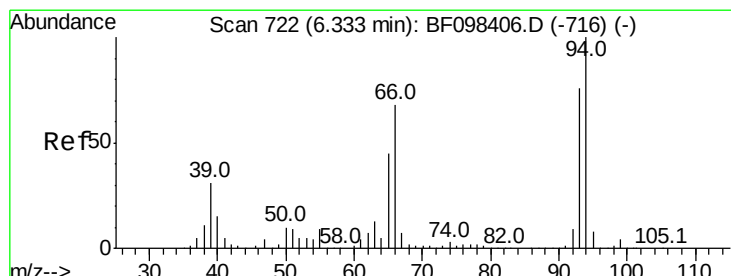
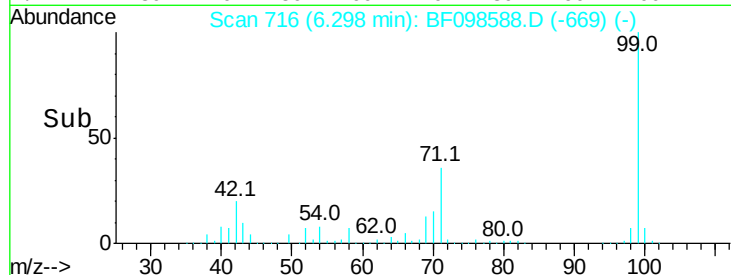
Ion	Ratio	Lower	Upper
99	100		
42	19.8	13.5	20.3
71	36.1	24.5	36.7



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



#10

Phenol

Concen: 3.152 ng

RT: 6.31 min Scan# 718

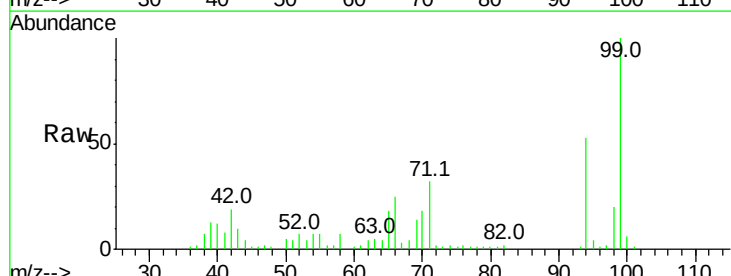
Delta R.T. -0.02 min

Lab File: BF098588.D

Acq: 16 Sep 2017 00:18

Tgt Ion: 94 Resp: 39222

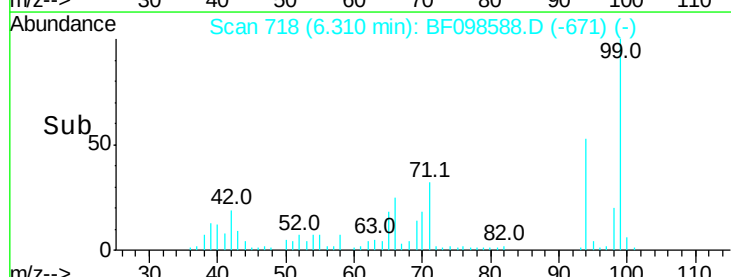
Ion	Ratio	Lower	Upper
94	100		
65	34.3	9.9	49.9
66	47.8	23.1	63.1

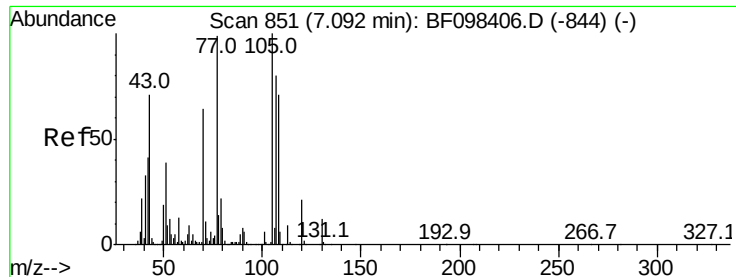


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

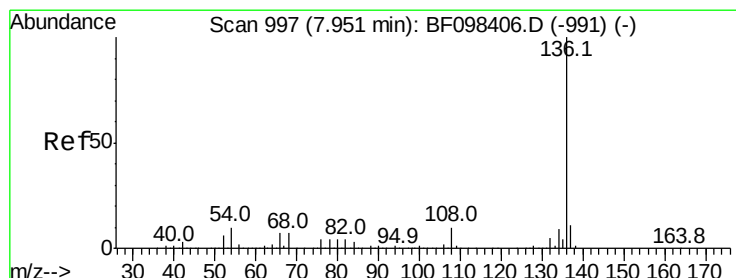
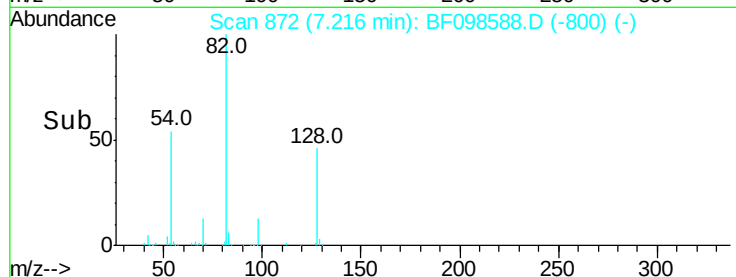
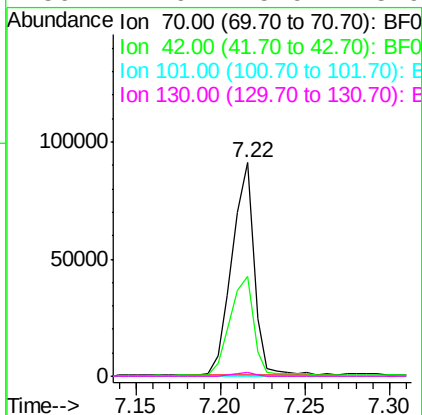
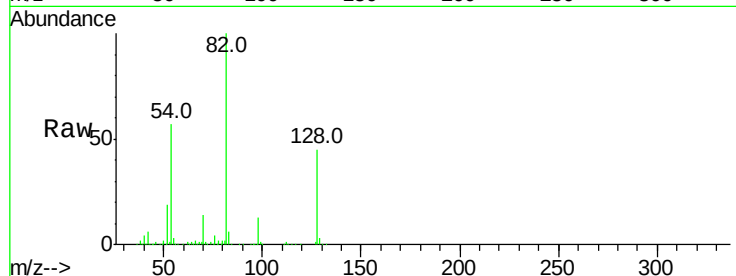




#19
n-Nitroso-di-n-propylamine
Concen: 12.332 ng
RT: 7.22 min Scan# 872
Delta R.T. 0.12 min
Lab File: BF098588.D
Acq: 16 Sep 2017 00:18

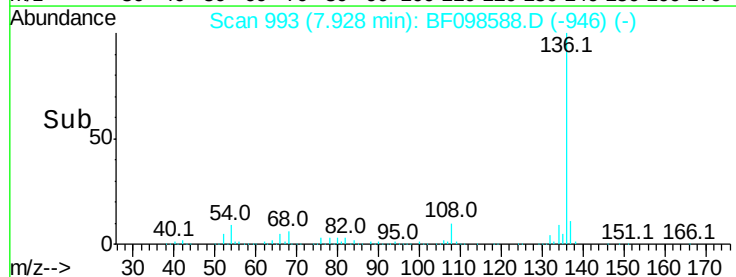
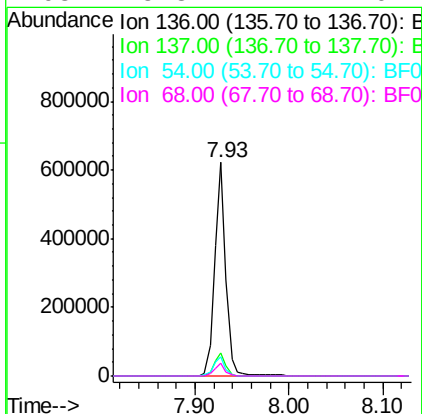
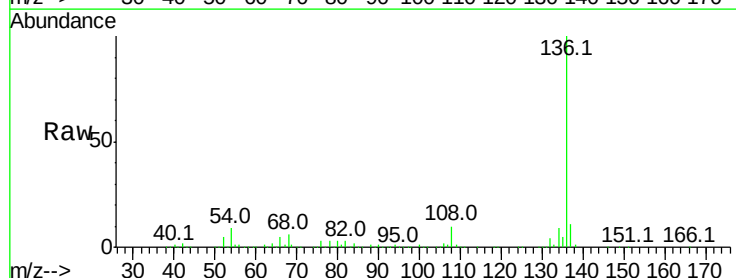
Instrument :
BNA_F
ClientSampled :
EP-06

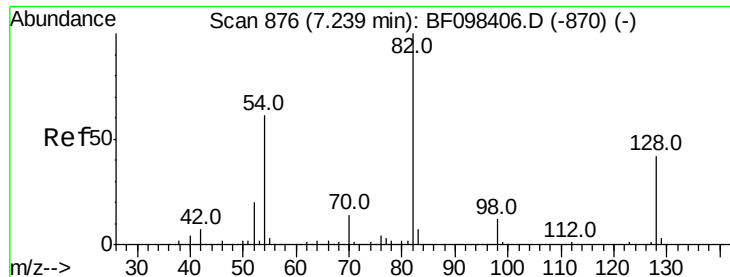
Tot Ion	Ratio	Lower	Upper
70	100		
42	47.0	47.2	70.8#
101	0.0	7.2	10.8#
130	1.9	15.9	23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.02 min
Lab File: BF098588.D
Acq: 16 Sep 2017 00:18

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	8.8	4.9	7.3#
68	5.8	4.1	6.1

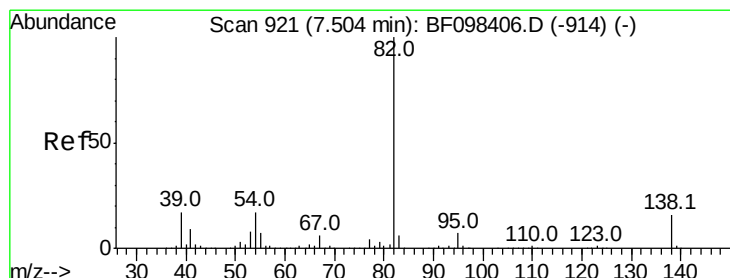
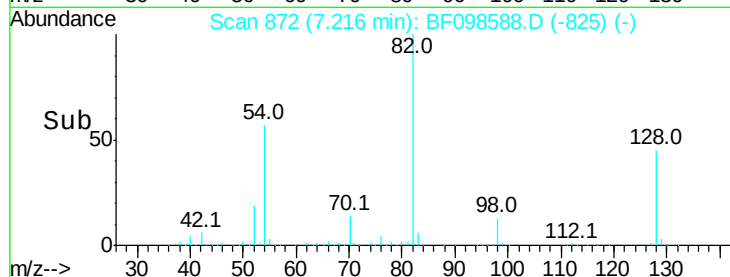
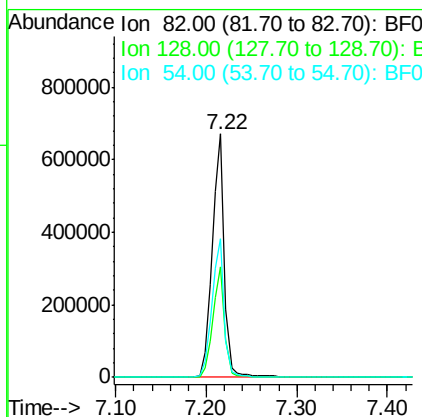
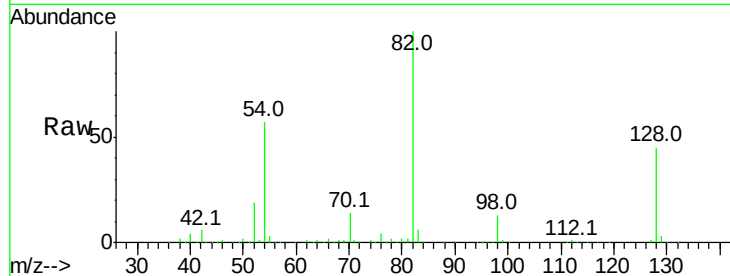




#23
 Nitrobenzene-d5
 Concen: 67.151 ng
 RT: 7.22 min Scan# 872
 Delta R.T. -0.02 min
 Lab File: BF098588.D
 Acq: 16 Sep 2017 00:18

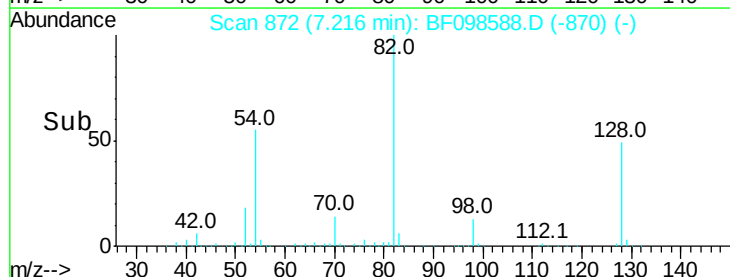
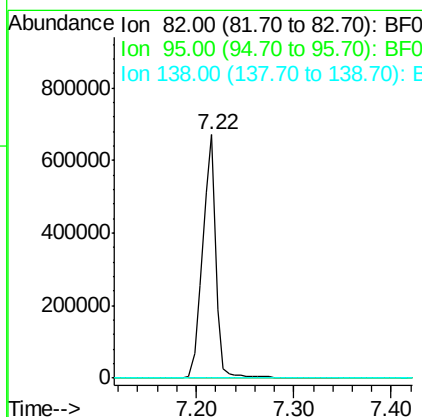
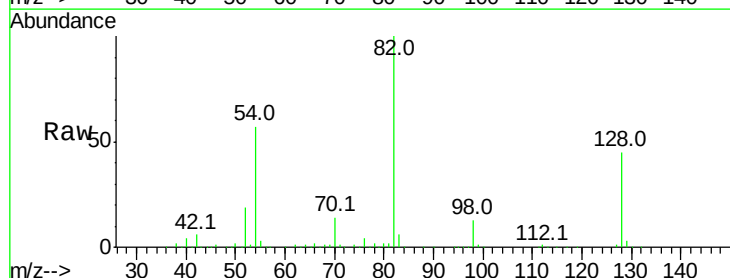
Instrument :
 BNA_F
 ClientSampleId :
 EP-06

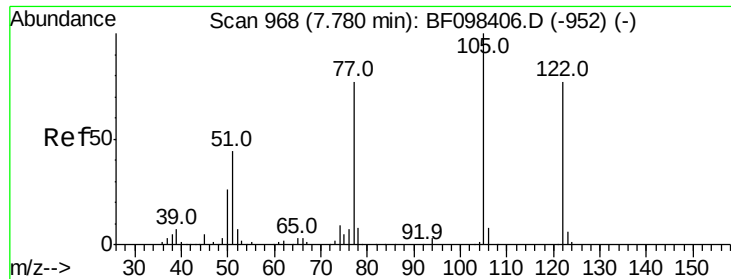
Tot Ion: 82 Resp: 629878
 Ion Ratio Lower Upper
 82 100
 128 45.5 34.0 51.0
 54 57.0 42.2 63.2



#25
 Isophorone
 Concen: 32.691 ng
 RT: 7.22 min Scan# 872
 Delta R.T. -0.29 min
 Lab File: BF098588.D
 Acq: 16 Sep 2017 00:18

Tgt Ion: 82 Resp: 620425
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.3 7.9#
 138 0.0 13.1 19.7#

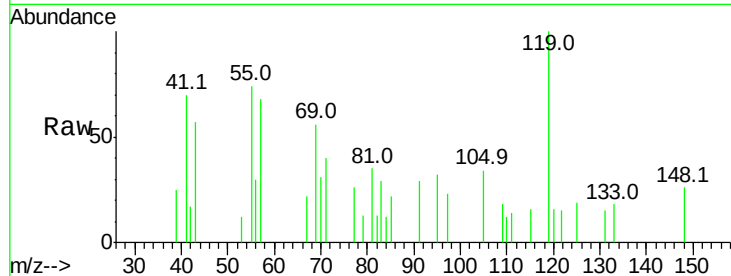




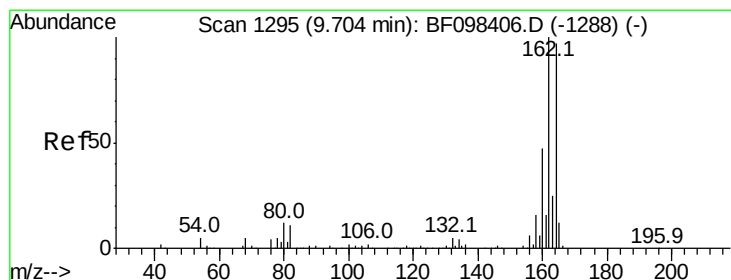
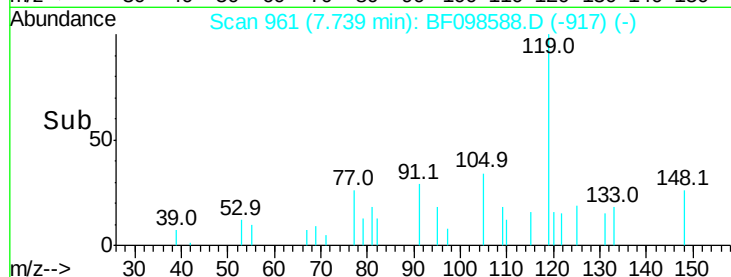
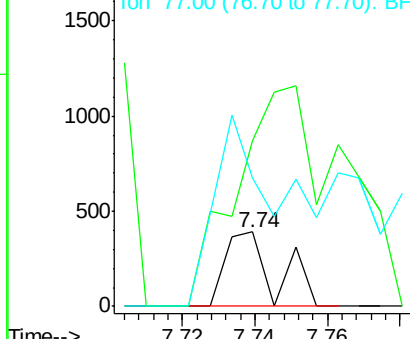
#32
Benzoic acid
Concen: 8.027 ng
RT: 7.74 min Scan# 961
Delta R.T. -0.04 min
Lab File: BF098588.D
Acq: 16 Sep 2017 00:18

Instrument :
BNA_F
ClientSampleID :
EP-06

Tot Ion:122 Resp: 378
Ion Ratio Lower Upper
122 100
105 222.8 103.3 143.3#
77 172.9 73.7 113.7#

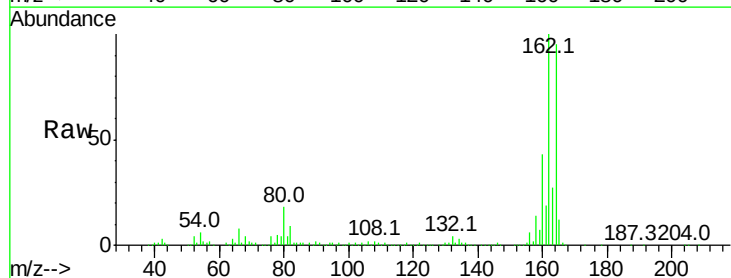


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

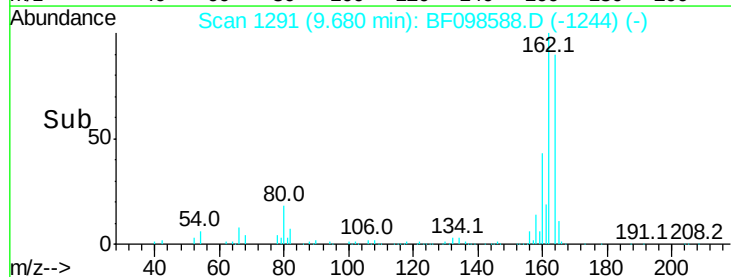
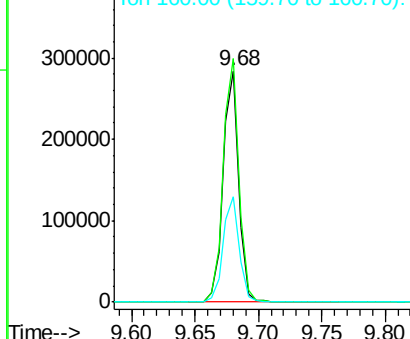


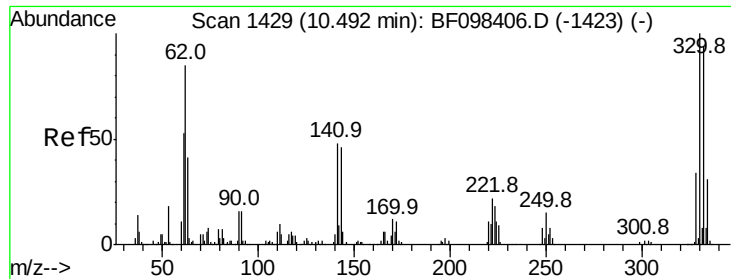
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF098588.D
Acq: 16 Sep 2017 00:18

Tgt Ion:164 Resp: 244084
Ion Ratio Lower Upper
164 100
162 105.4 82.6 123.8
160 45.6 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: 118.123 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.02 min

Lab File: BF098588.D

Acq: 16 Sep 2017 00:18

Instrument :

BNA_F

ClientSampled :

EP-06

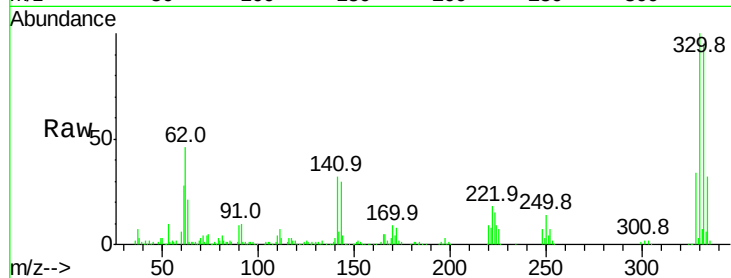
Tot Ion:330 Resp: 192430

Ion Ratio Lower Upper

330 100

332 95.1 76.6 115.0

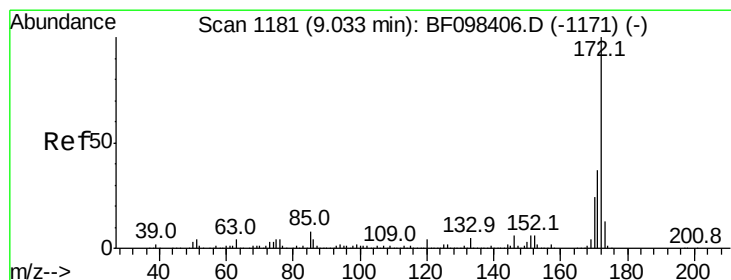
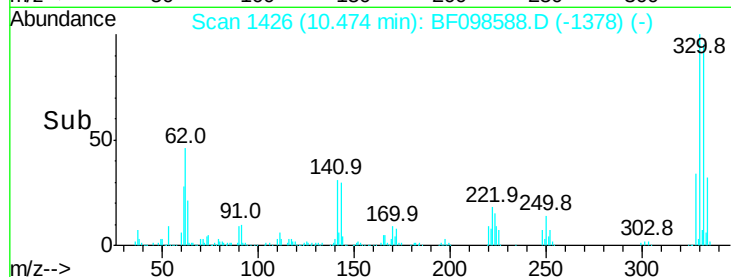
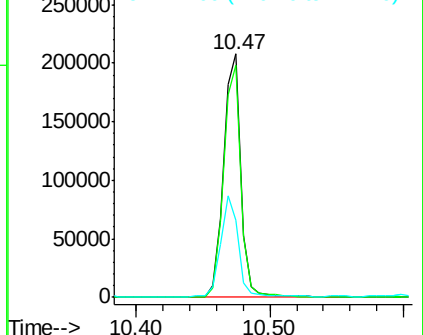
141 42.0 31.4 47.2



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: 84.478 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.03 min

Lab File: BF098588.D

Acq: 16 Sep 2017 00:18

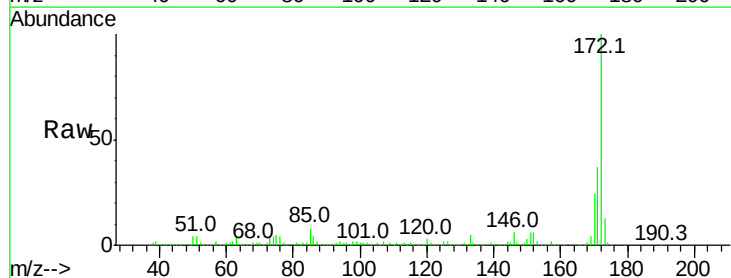
Tgt Ion:172 Resp: 1216559

Ion Ratio Lower Upper

172 100

171 36.7 29.6 44.4

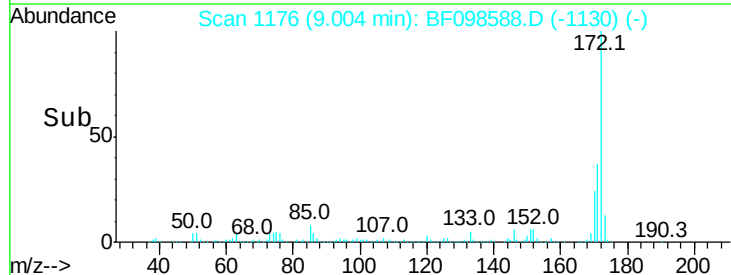
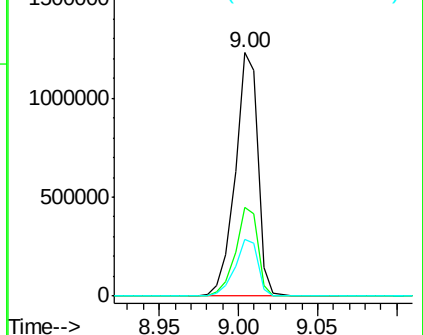
170 23.5 19.8 29.8

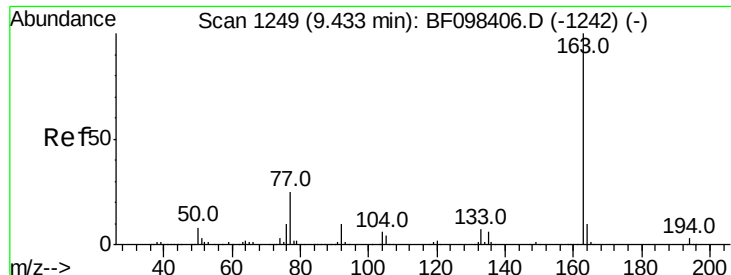


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

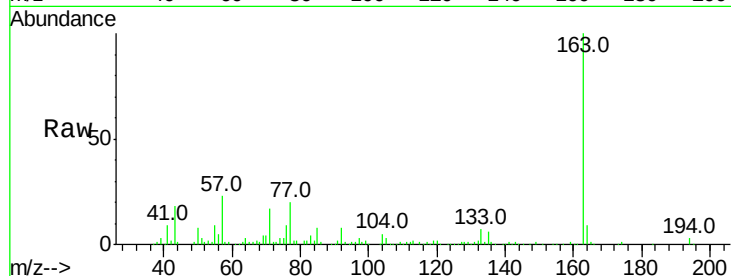




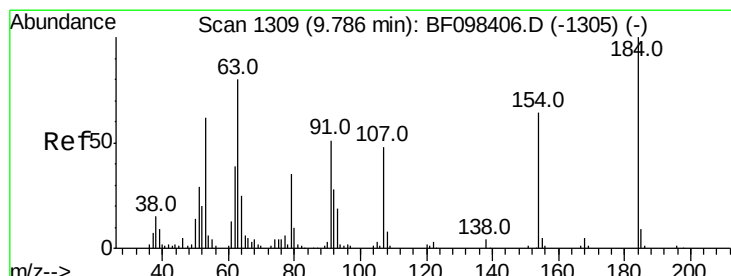
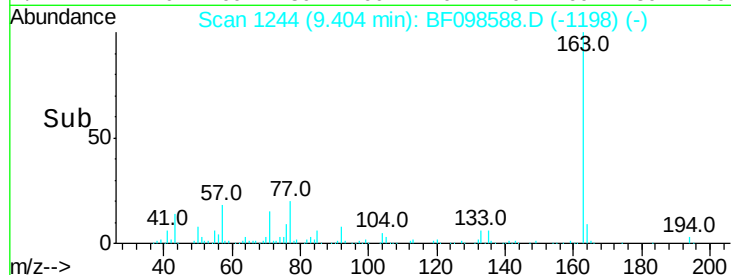
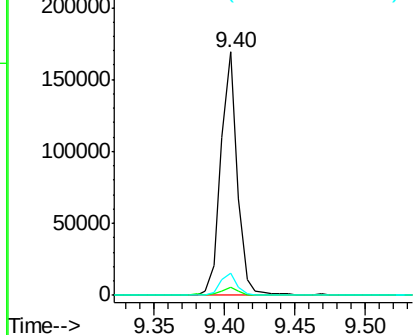
#49
 Dimethylphthalate
 Concen: 7.324 ng
 RT: 9.40 min Scan# 1244
 Delta R.T. -0.03 min
 Lab File: BF098588.D
 Acq: 16 Sep 2017 00:18

Instrument :
 BNA_F
 ClientSampleId :
 EP-06

Tot Ion:163 Resp: 138374
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.6 4.0
 164 9.1 8.4 12.6

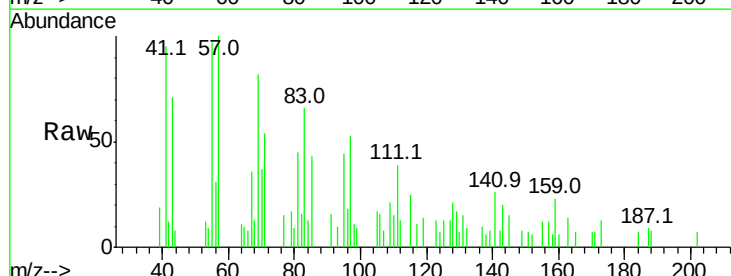


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

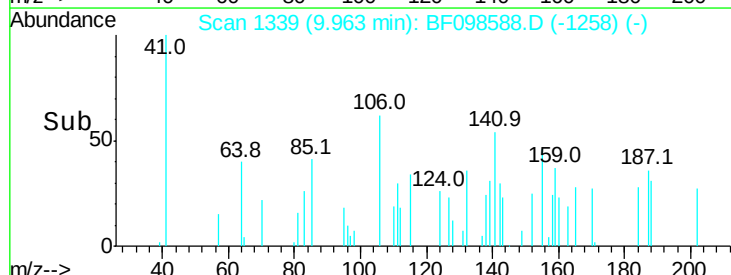
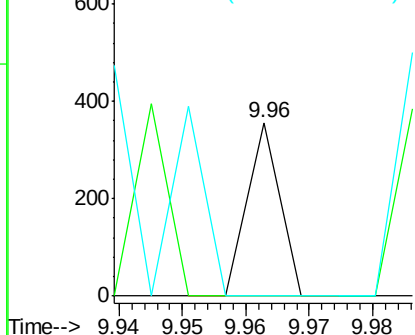


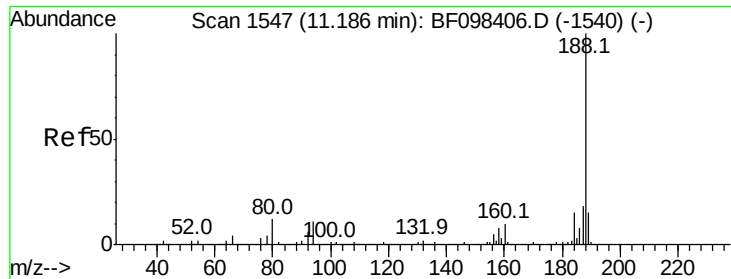
#53
 2,4-Dinitrophenol
 Concen: 8.586 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. 0.18 min
 Lab File: BF098588.D
 Acq: 16 Sep 2017 00:18

Tgt Ion:184 Resp: 126
 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

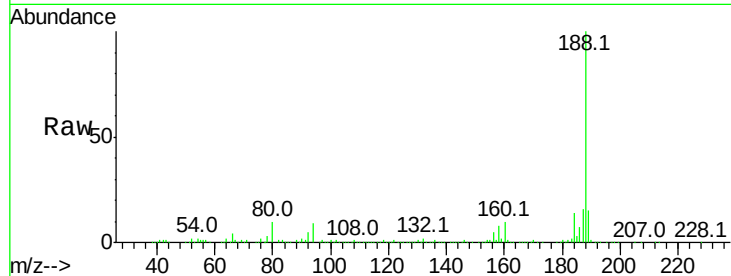




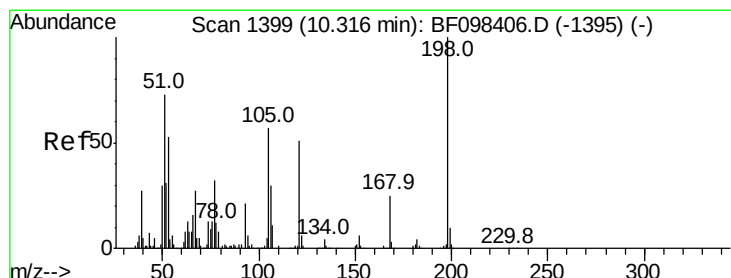
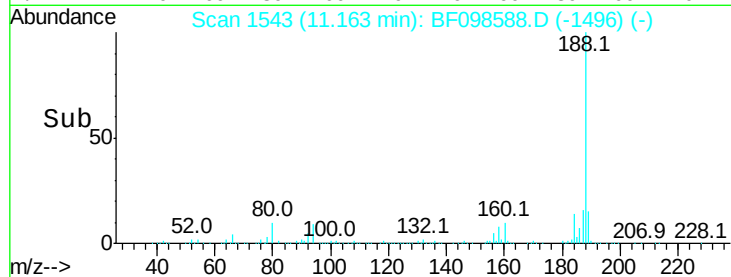
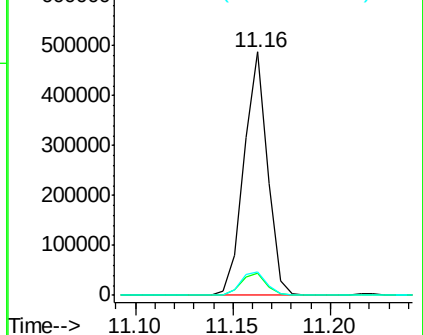
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.16 min Scan# 1543
 Delta R.T. -0.02 min
 Lab File: BF098588.D
 Acq: 16 Sep 2017 00:18

Instrument :
 BNA_F
 ClientSampleId :
 EP-06

Tot Ion:188 Resp: 407875
 Ion Ratio Lower Upper
 188 100
 94 9.3 9.4 14.2#
 80 9.6 10.2 15.2#

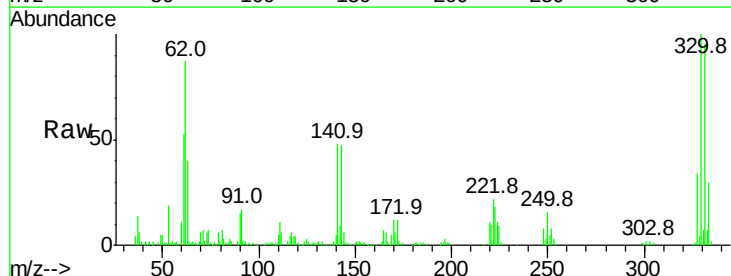


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

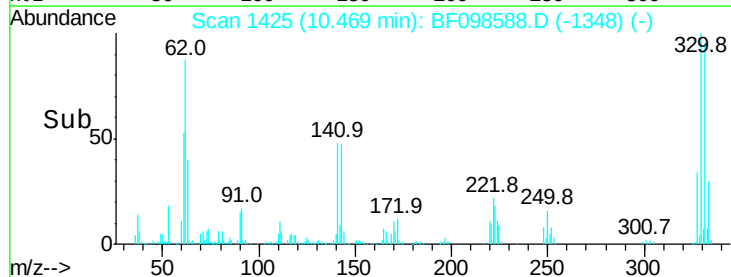
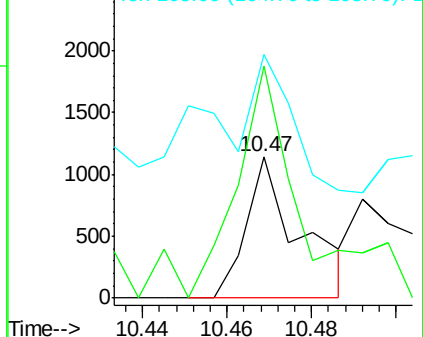


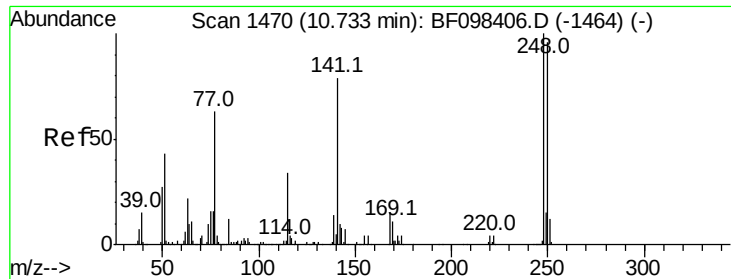
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.326 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. 0.15 min
 Lab File: BF098588.D
 Acq: 16 Sep 2017 00:18

Tgt Ion:198 Resp: 1010
 Ion Ratio Lower Upper
 198 100
 51 163.7 53.2 93.2#
 105 171.9 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

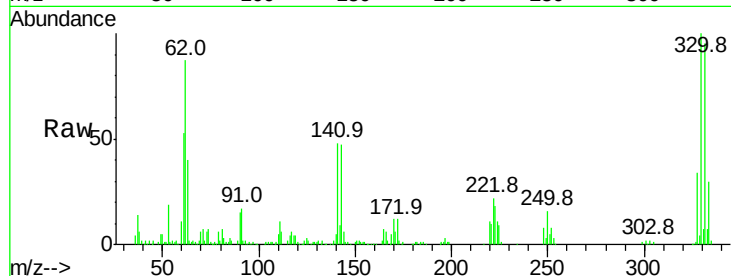




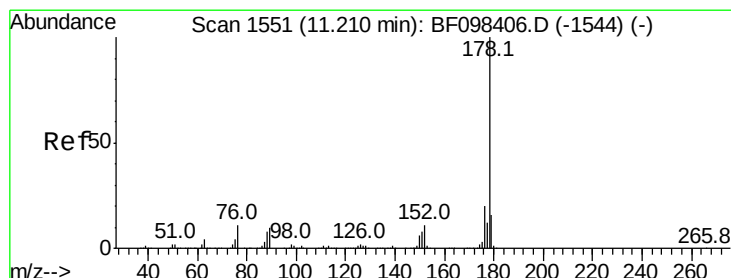
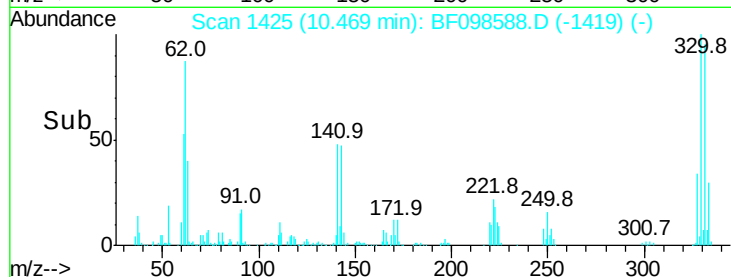
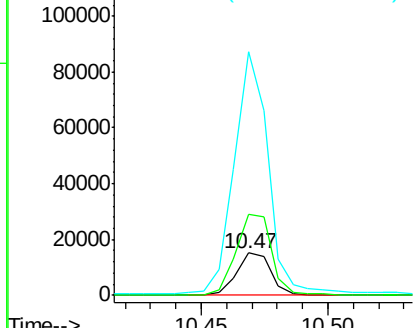
#66
 4-Bromophenyl-phenylether
 Concen: 3.720 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.26 min
 Lab File: BF098588.D
 Acq: 16 Sep 2017 00:18

Instrument :
 BNA_F
 ClientSampled :
 EP-06

Tot Ion:248 Resp: 14401
 Ion Ratio Lower Upper
 248 100
 250 192.1 76.8 115.2#
 141 576.2 68.6 103.0#

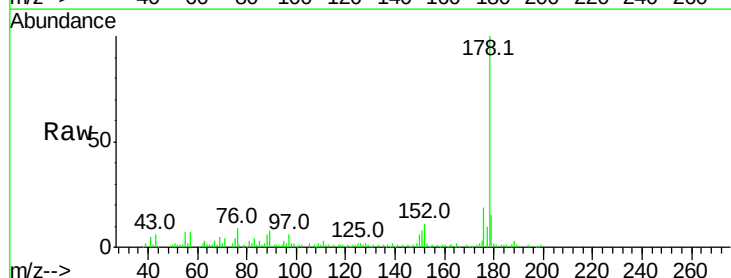


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

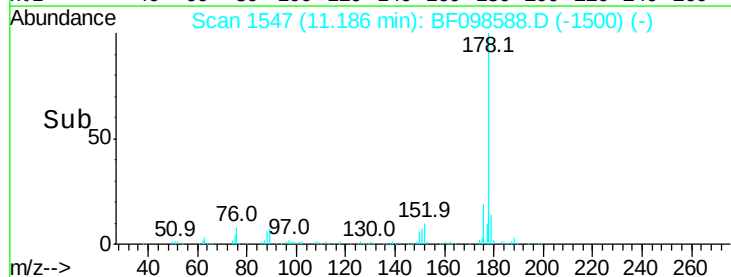
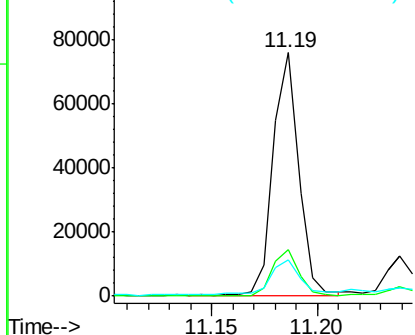


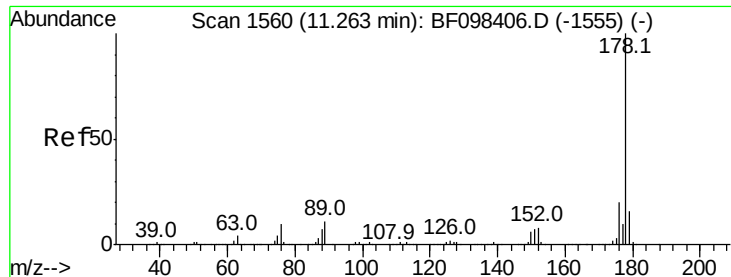
#70
 Phenanthrene
 Concen: 3.003 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. -0.02 min
 Lab File: BF098588.D
 Acq: 16 Sep 2017 00:18

Tgt Ion:178 Resp: 64937
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.2 24.4
 179 14.7 12.6 19.0



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

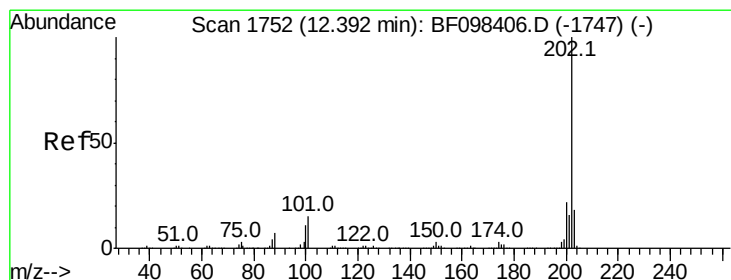
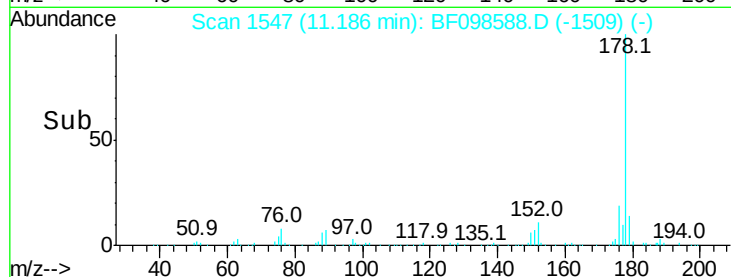
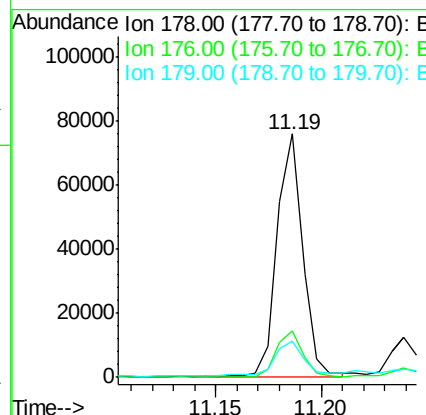
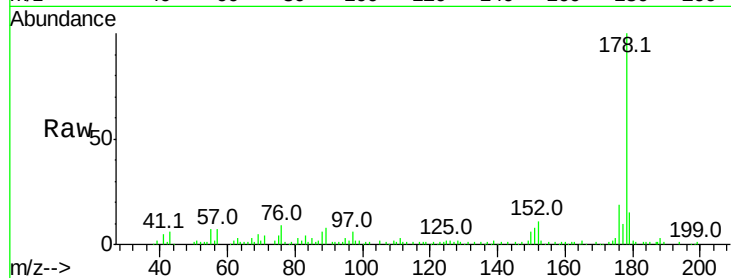




#71
 Anthracene
 Concen: 2.925 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. -0.08 min
 Lab File: BF098588.D
 Acq: 16 Sep 2017 00:18

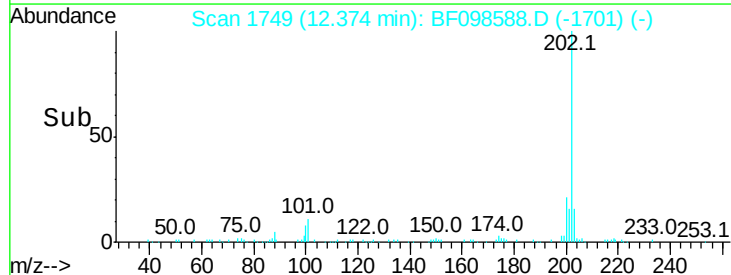
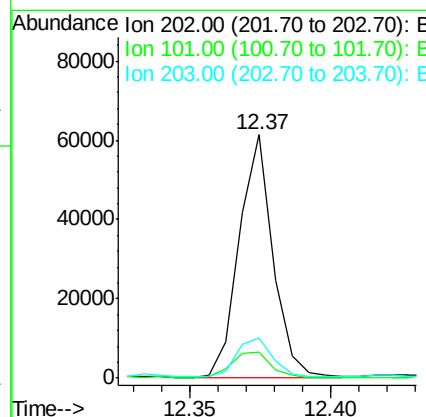
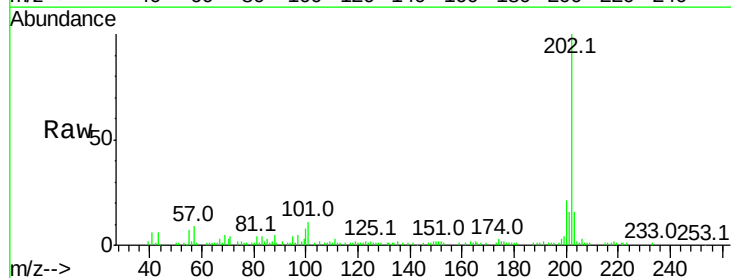
Instrument :
 BNA_F
 ClientSampleId :
 EP-06

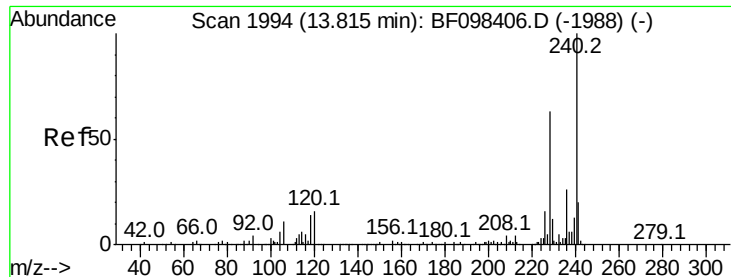
Tot Ion:178 Resp: 64937
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 14.7 12.7 19.1



#74
 Fluoranthene
 Concen: 2.381 ng
 RT: 12.37 min Scan# 1749
 Delta R.T. -0.02 min
 Lab File: BF098588.D
 Acq: 16 Sep 2017 00:18

Tgt Ion:202 Resp: 51531
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 33.2
 203 16.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.02 min

Lab File: BF098588.D

Acq: 16 Sep 2017 00:18

Instrument :

BNA_F

ClientSampleId :

EP-06

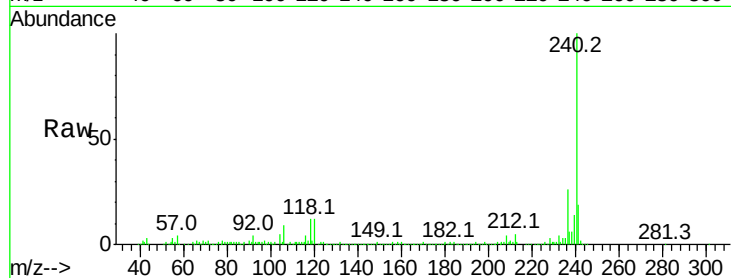
Tot Ion:240 Resp: 260673

Ion Ratio Lower Upper

240 100

120 12.1 5.8 8.8#

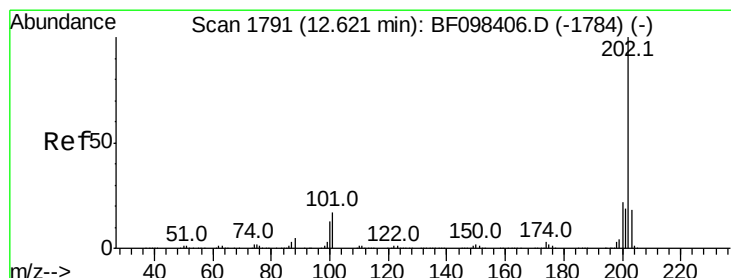
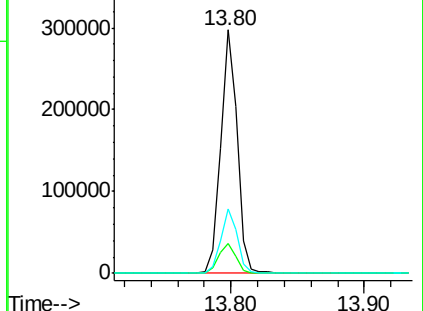
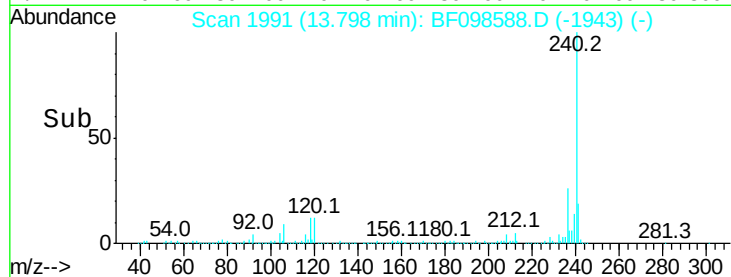
236 26.5 20.5 30.7



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: 3.080 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.02 min

Lab File: BF098588.D

Acq: 16 Sep 2017 00:18

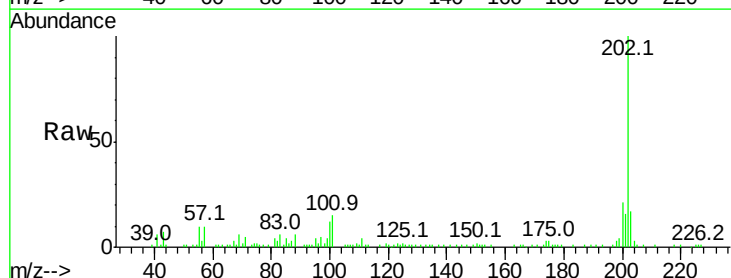
Tgt Ion:202 Resp: 63329

Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

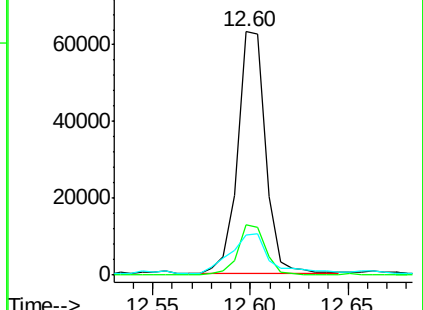
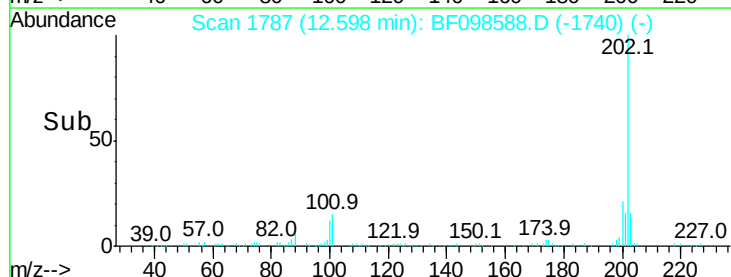
203 16.7 14.4 21.6

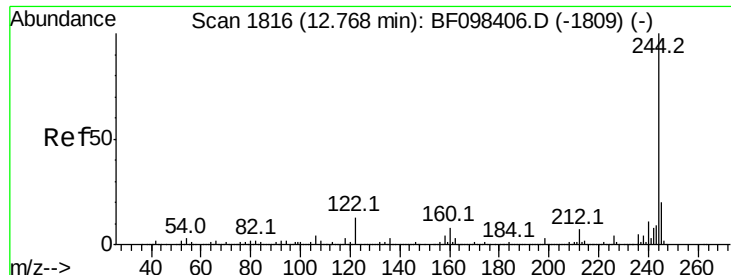


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 66.500 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF098588.D

Acq: 16 Sep 2017 00:18

Instrument :

BNA_F

ClientSampleId :

EP-06

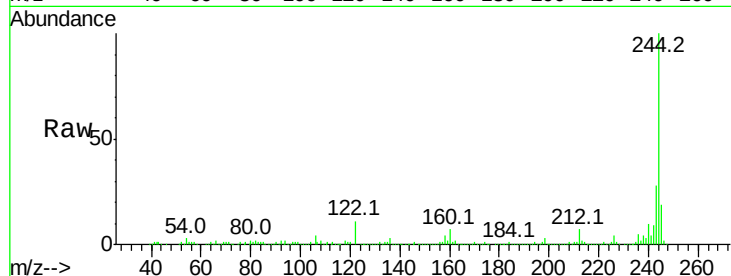
Tot Ion:244 Resp: 803105

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

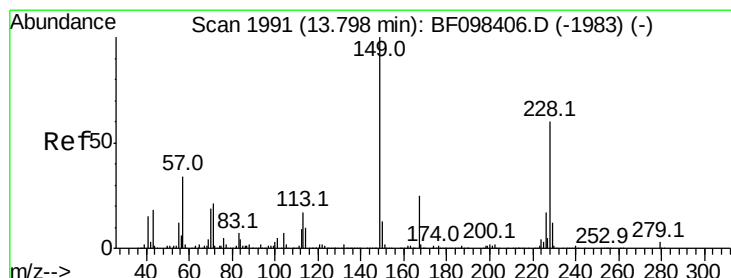
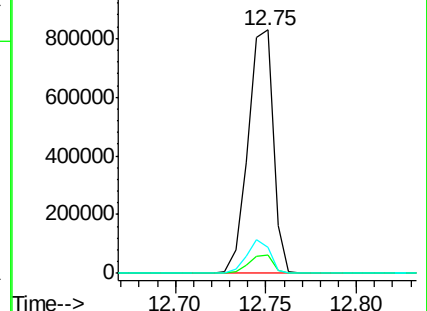
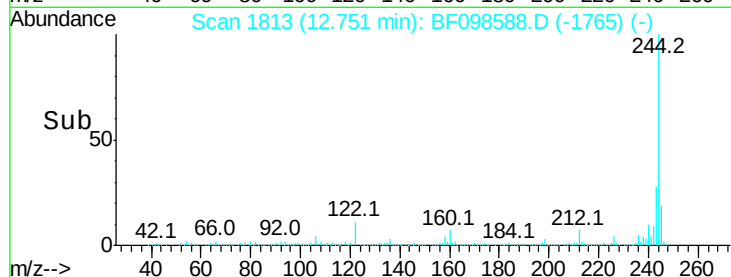
122 10.8 10.3 15.5



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 6.094 ng

RT: 13.78 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BF098588.D

Acq: 16 Sep 2017 00:18

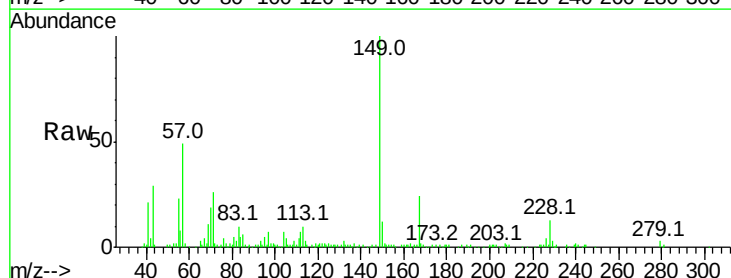
Tgt Ion:149 Resp: 68224

Ion Ratio Lower Upper

149 100

167 24.1 21.0 31.4

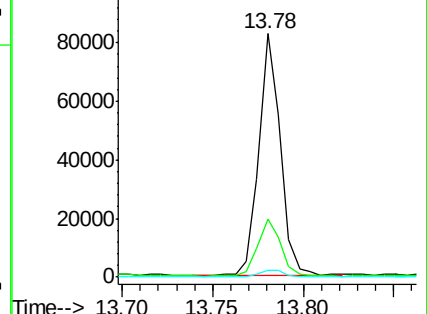
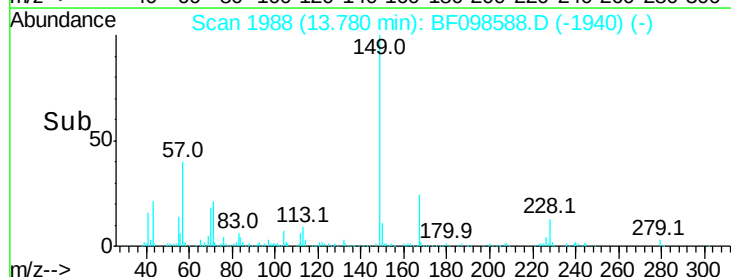
279 2.6 1.9 2.9

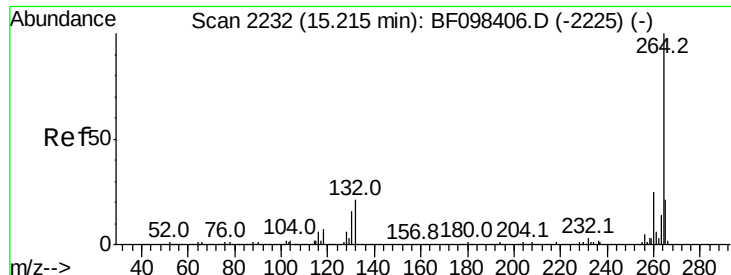


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

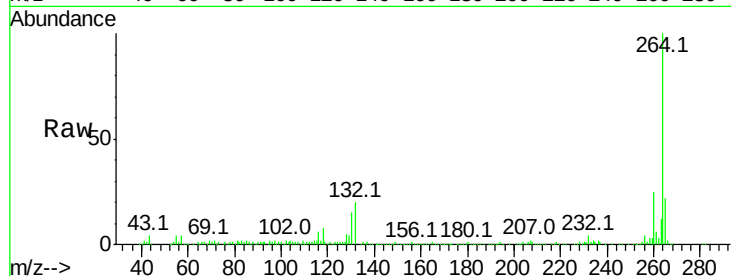




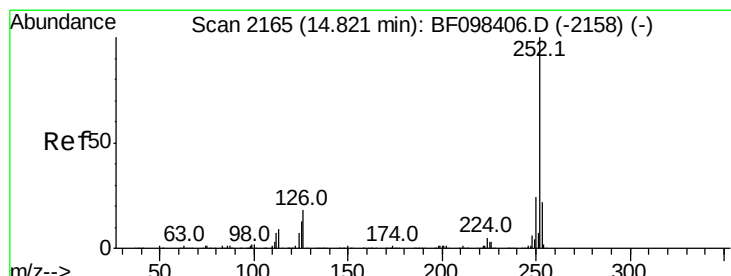
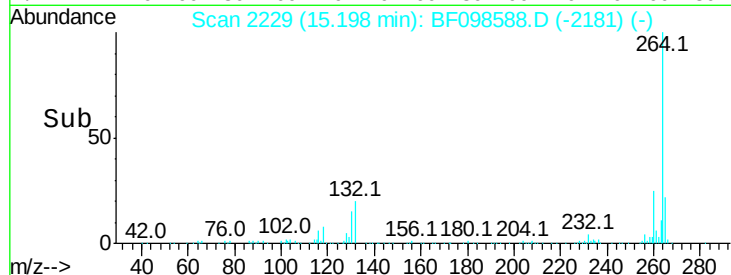
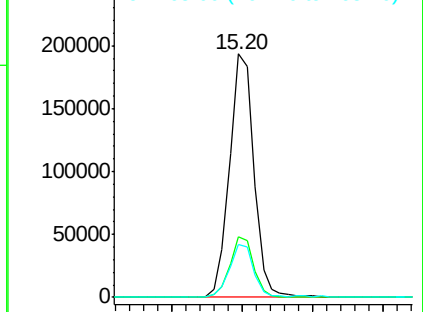
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.02 min
Lab File: BF098588.D
Acq: 16 Sep 2017 00:18

Instrument :
BNA_F
ClientSampled :
EP-06

Tot Ion:264 Resp: 234081
Ion Ratio Lower Upper
264 100
260 24.6 19.5 29.3
265 21.7 17.2 25.8

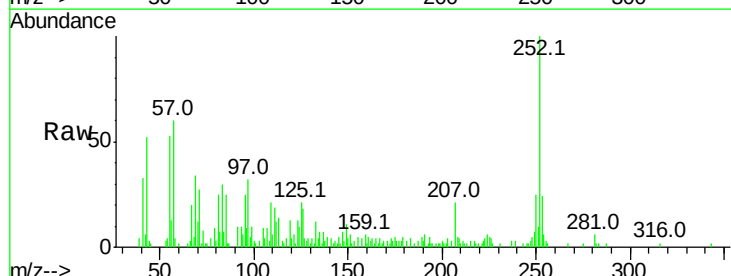


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

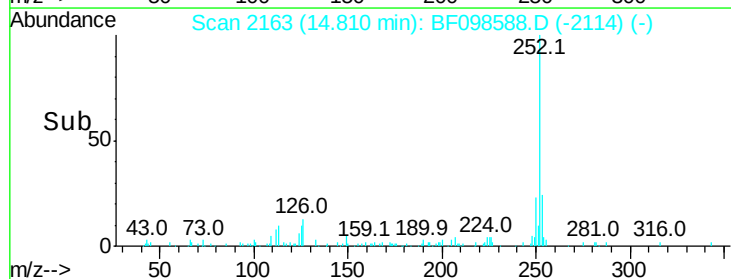
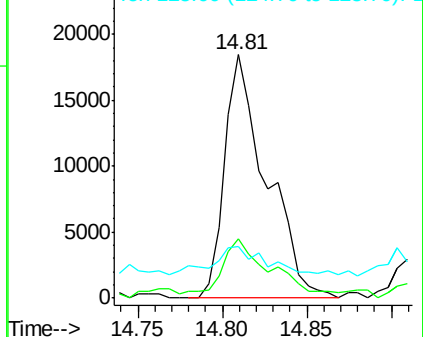


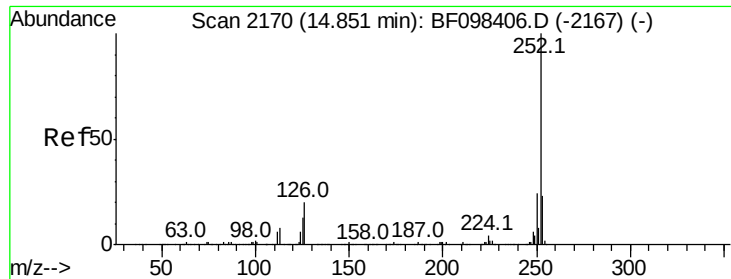
#87
Benzo(b)fluoranthene
Concen: 2.147 ng
RT: 14.81 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF098588.D
Acq: 16 Sep 2017 00:18

Tgt Ion:252 Resp: 31600
Ion Ratio Lower Upper
252 100
253 24.4 18.1 27.1
125 21.3 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: 2.300 ng

RT: 14.81 min Scan# 2163

Delta R.T. -0.04 min

Lab File: BF098588.D

Acq: 16 Sep 2017 00:18

Instrument :

BNA_F

ClientSampleId :

EP-06

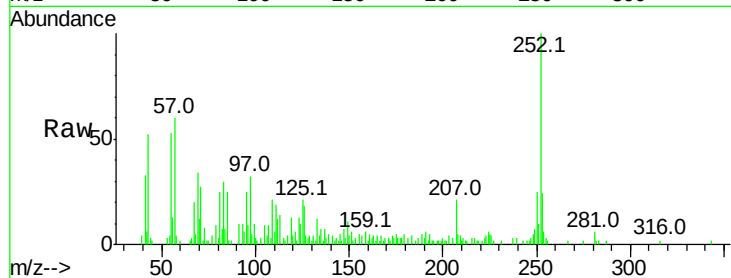
Tot Ion: 252 Resp: 31600

Ion Ratio Lower Upper

252 100

253 24.4 18.4 27.6

125 21.3 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

