

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031517\
 Data File : BF093675.D
 Acq On : 15 Mar 2017 18:36
 Operator : SJ/MA
 Sample : I2264-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-DD6-WSW

Quant Time: Mar 16 01:42:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

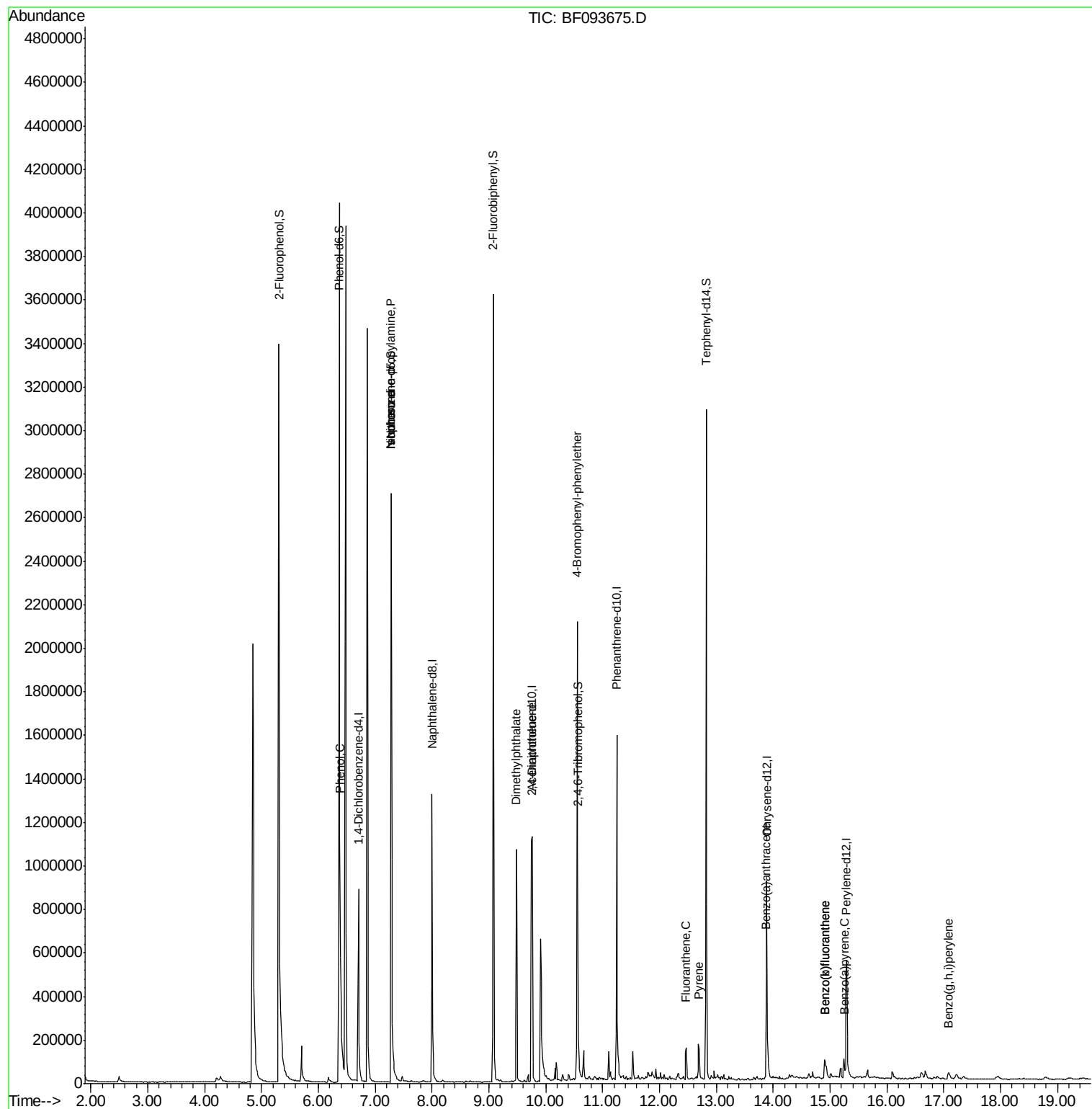
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	174374	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	698107	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	333437	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	572215	20.00	ng	0.00
75) Chrysene-d12	13.89	240	364624	20.00	ng	0.00
86) Perylene-d12	15.29	264	303565	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	1290921	123.21	ng	-0.01
7) Phenol-d6	6.37	99	1633292	123.62	ng	-0.01
23) Nitrobenzene-d5	7.28	82	1037461	82.46	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	281791	129.71	ng	0.01
44) 2-Fluorobiphenyl	9.08	172	1357580	75.73	ng	-0.01
78) Terphenyl-d14	12.82	244	946678	67.50	ng	0.00
Target Compounds						
9) Benzaldehyde	6.37	77	3201	Below Cal		Qvalue
10) Phenol	6.38	94	120356	7.43	ng	# 1
19) n-Nitroso-di-n-propylamine	7.28	70	135378	14.90	ng	# 89
25) Isophorone	7.28	82	1026195	40.45	ng	# 84
49) Dimethylphthalate	9.49	163	449284	20.32	ng	# 65
56) 2,4-Dinitrotoluene	9.75	165	41713	7.00	ng	# 99
66) 4-Bromophenyl-phenylether	10.55	248	20809	3.44	ng	# 20
74) Fluoranthene	12.47	202	91611	2.90	ng	# 1
77) Pyrene	12.69	202	88940	3.35	ng	# 92
80) Benzo(a)anthracene	13.88	228	46822	2.17	ng	# 97
87) Benzo(b)fluoranthene	14.91	252	66713	3.61	ng	# 99
88) Benzo(k)fluoranthene	14.91	252	66713	3.74	ng	# 94
89) Benzo(a)pyrene	15.25	252	39088	2.31	ng	# 94
91) Benzo(a,h,i)perylene	17.09	276	32485	2.26	ng	# 97
91) Benzo(a,h,i)perylene	17.09	276	32485	2.26	ng	# 88

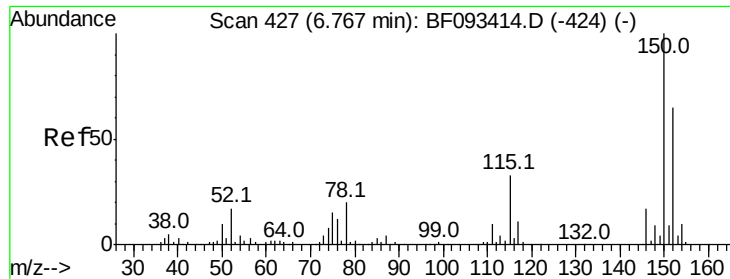
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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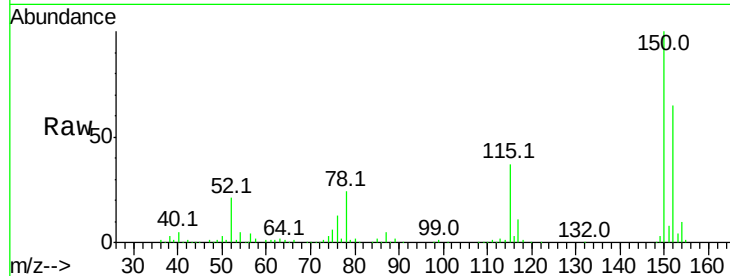


#1

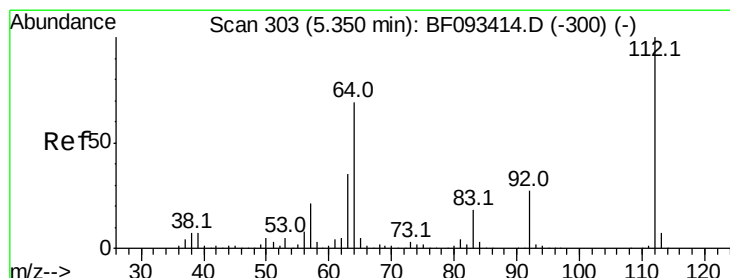
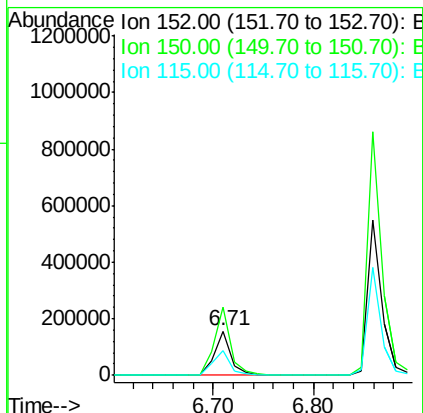
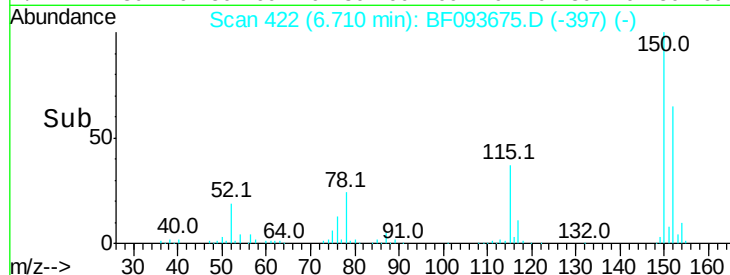
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 422
Delta R.T. -0.01 min
Lab File: BF093675.D
Acq: 15 Mar 2017 18:36

Instrument :
BNA_F
ClientSampleId :
E2-DD6-WSW

Tot Ion:152 Resp: 174374
Ion Ratio Lower Upper
152 100
150 155.0 124.9 187.3
115 57.0 46.0 69.0



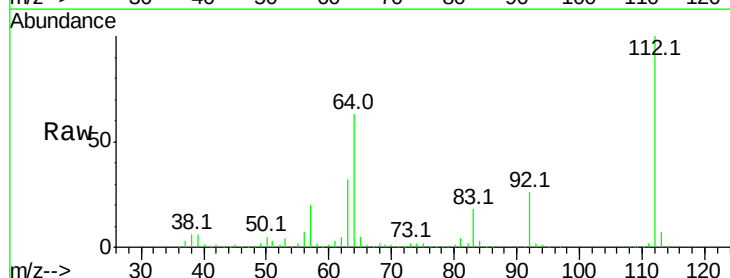
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



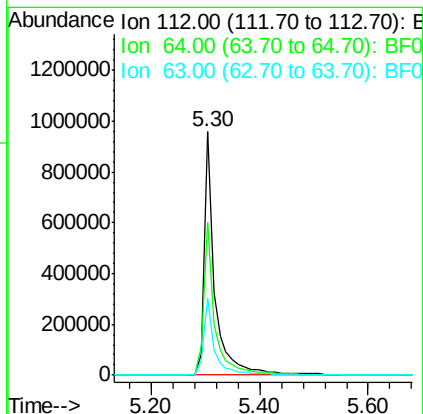
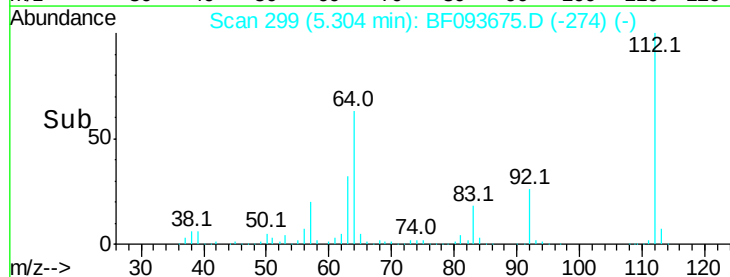
#5

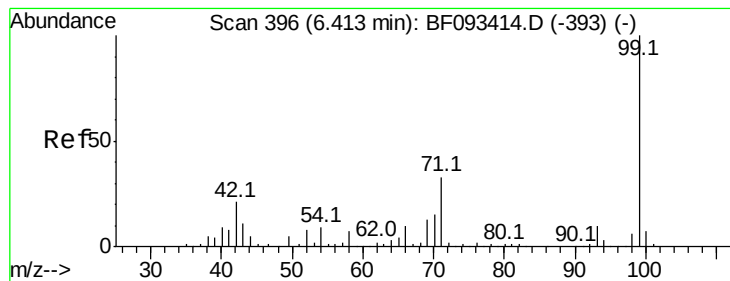
2-Fluorophenol
Concen: 123.21 ng
RT: 5.30 min Scan# 299
Delta R.T. -0.01 min
Lab File: BF093675.D
Acq: 15 Mar 2017 18:36

Tgt Ion:112 Resp: 1290921
Ion Ratio Lower Upper
112 100
64 62.6 46.1 69.1
63 31.6 23.8 35.6



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: 123.62 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.01 min

Lab File: BF093675.D

Acq: 15 Mar 2017 18:36

Instrument :

BNA_F

ClientSampleId :

E2-DD6-WSW

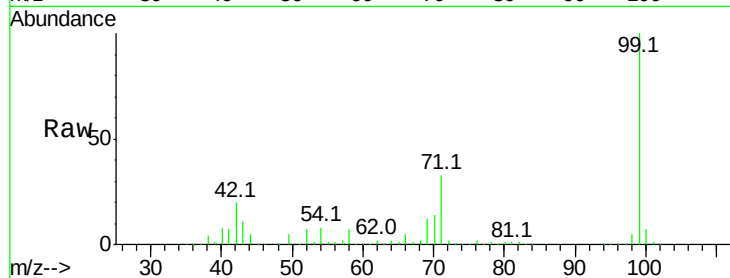
Tot Ion: 99 Resp: 1633292

Ion Ratio Lower Upper

99 100

42 20.4 15.6 23.4

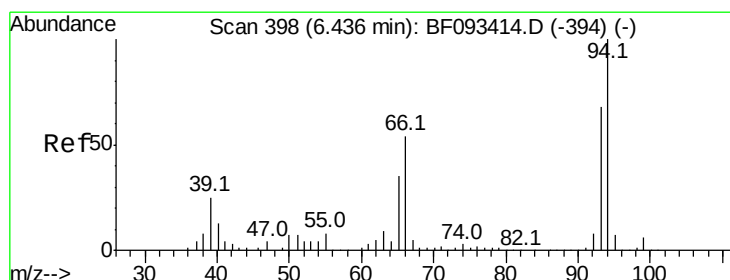
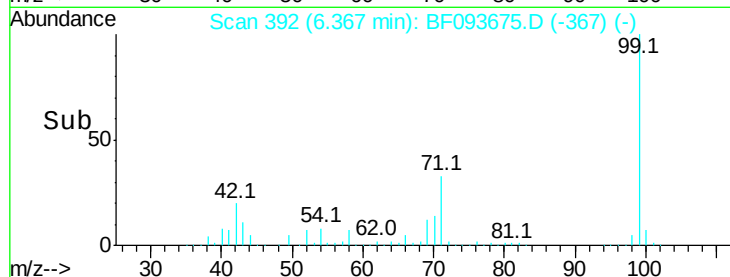
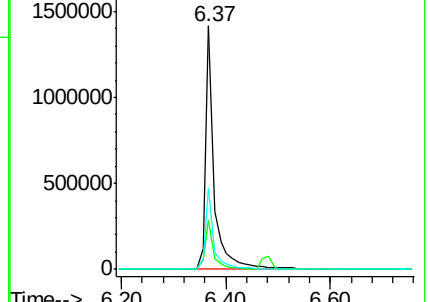
71 33.5 27.5 41.3



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: 7.43 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.02 min

Lab File: BF093675.D

Acq: 15 Mar 2017 18:36

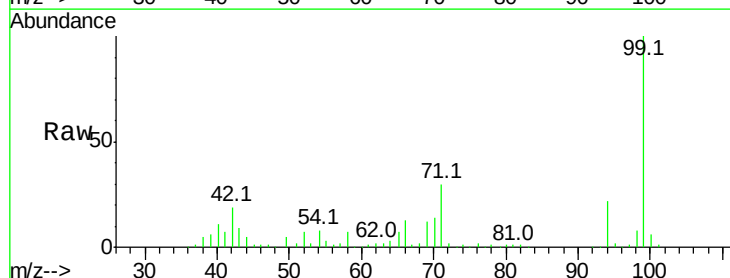
Tgt Ion: 94 Resp: 120356

Ion Ratio Lower Upper

94 100

65 31.8 21.4 61.4

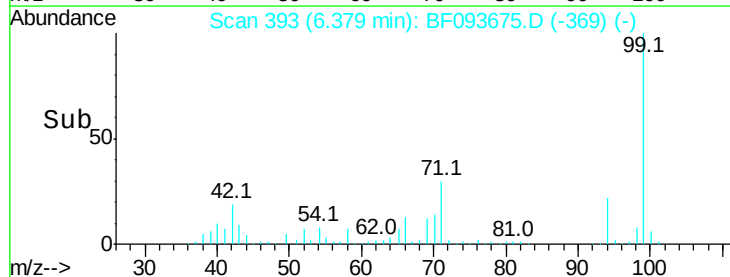
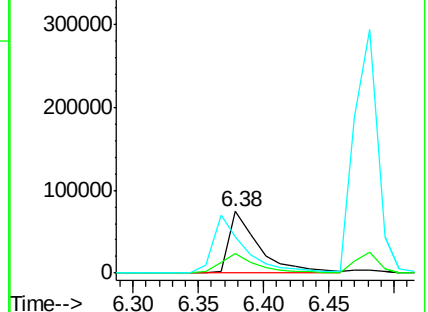
66 58.1 44.0 84.0

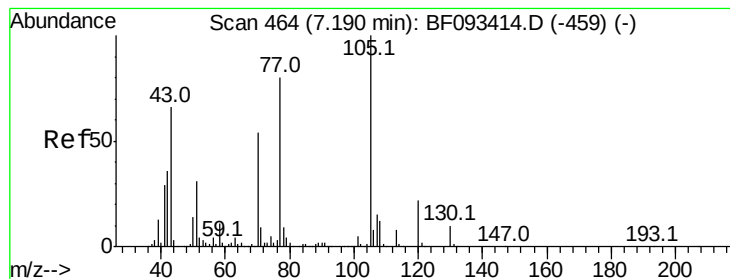


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 14.90 ng

RT: 7.28 min Scan# 472

Delta R.T. 0.14 min

Lab File: BF093675.D

Acq: 15 Mar 2017 18:36

Instrument :

BNA_F

ClientSampleId :

E2-DD6-WSW

Tot Ion: 70 Resp: 135378

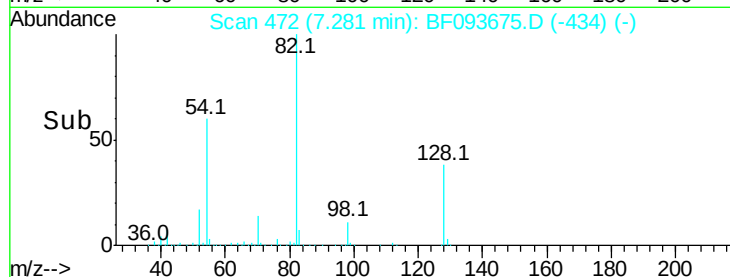
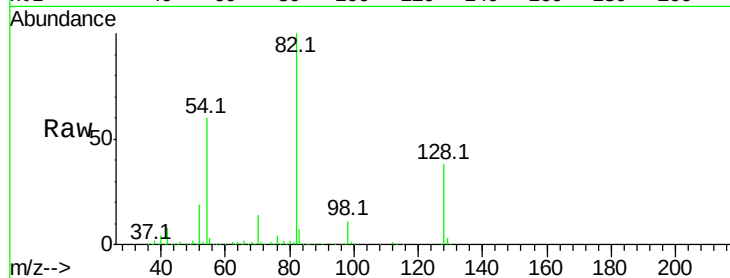
Ion Ratio Lower Upper

70 100

42 55.5 49.4 74.0

101 0.0 7.4 11.2#

130 1.9 14.2 21.4#

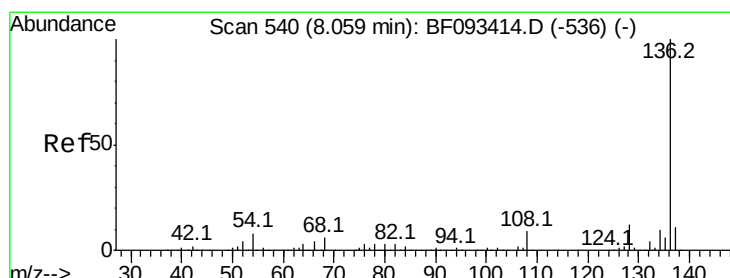
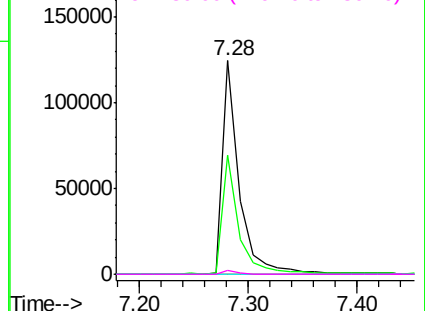


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.00 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF093675.D

Acq: 15 Mar 2017 18:36

Tgt Ion:136 Resp: 698107

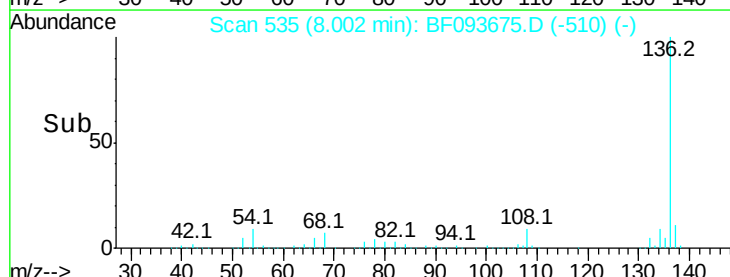
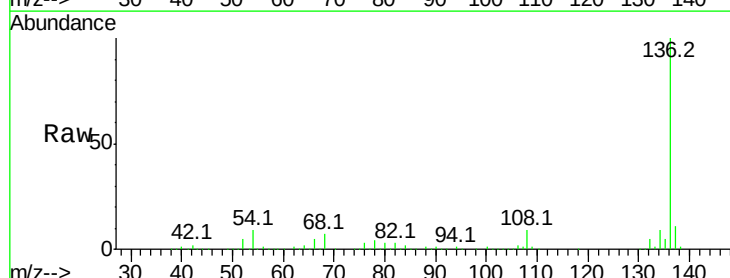
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 8.8 4.5 6.7#

68 6.5 3.6 5.4#

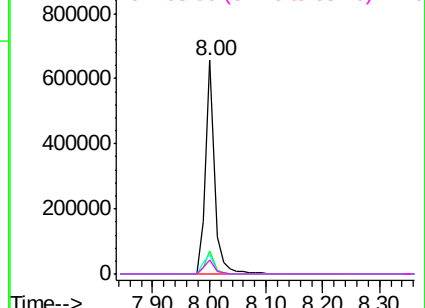


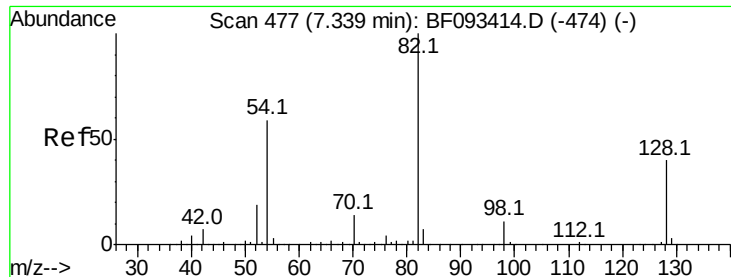
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

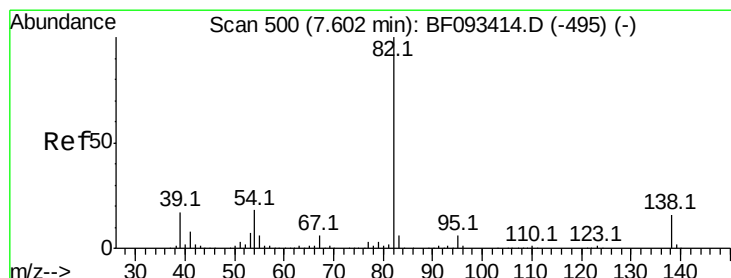
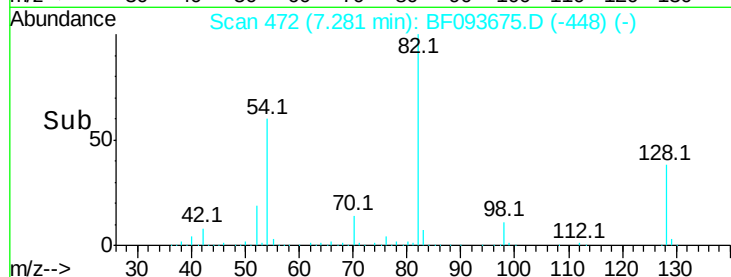
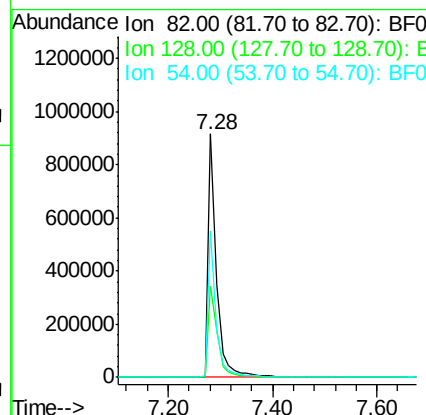
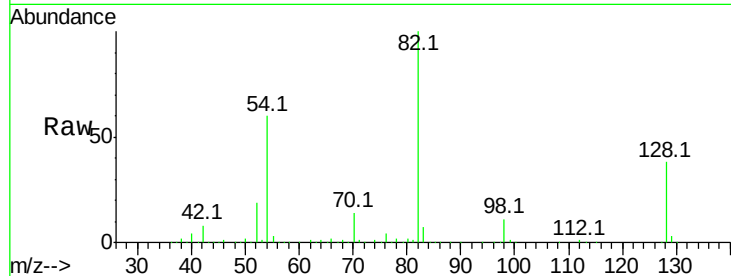




#23
 Nitrobenzene-d5
 Concen: 82.46 ng
 RT: 7.28 min Scan# 472
 Delta R.T. -0.02 min
 Lab File: BF093675.D
 Acq: 15 Mar 2017 18:36

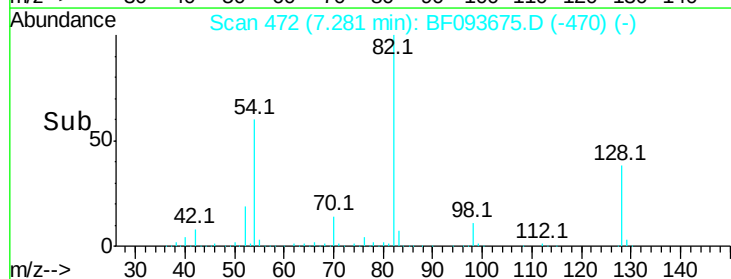
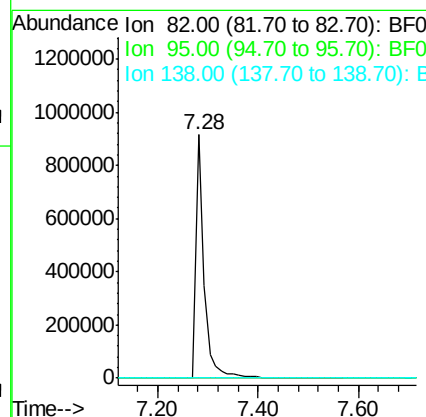
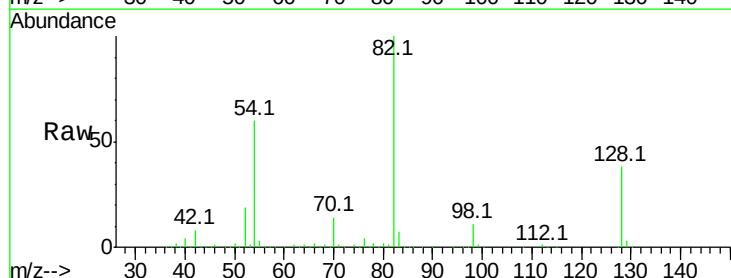
Instrument :
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 E2-DD6-WSW

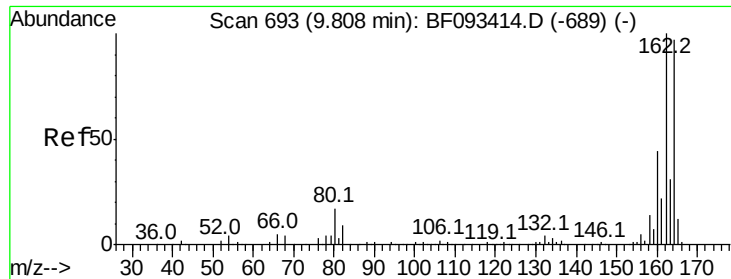
Tot Ion: 82 Resp: 1037461
 Ion Ratio Lower Upper
 82 100
 128 37.6 34.6 52.0
 54 60.2 39.5 59.3#



#25
 Isophorone
 Concen: 40.45 ng
 RT: 7.28 min Scan# 472
 Delta R.T. -0.27 min
 Lab File: BF093675.D
 Acq: 15 Mar 2017 18:36

Tgt Ion: 82 Resp: 1026195
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#

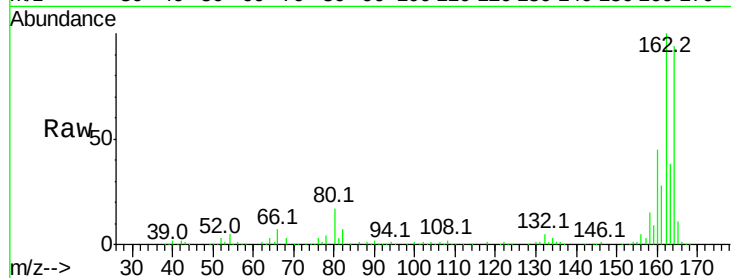




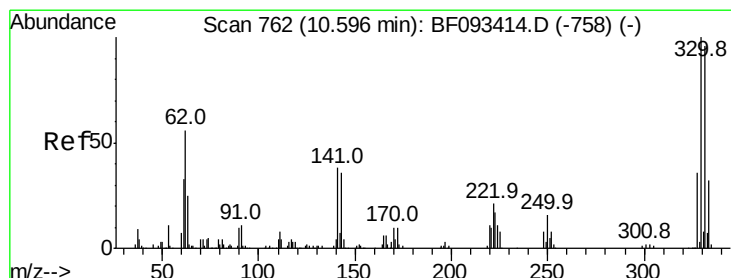
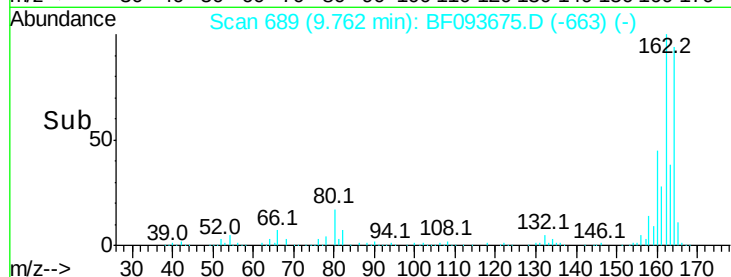
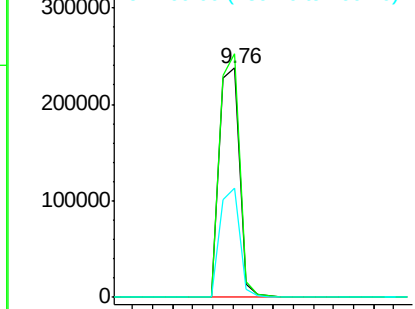
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.76 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: BF093675.D
 Acq: 15 Mar 2017 18:36

Instrument :
 BNA_F
 ClientSampleId :
 E2-DD6-WSW

Tot Ion:164 Resp: 333437
 Ion Ratio Lower Upper
 164 100
 162 106.3 80.2 120.2
 160 47.7 36.9 55.3

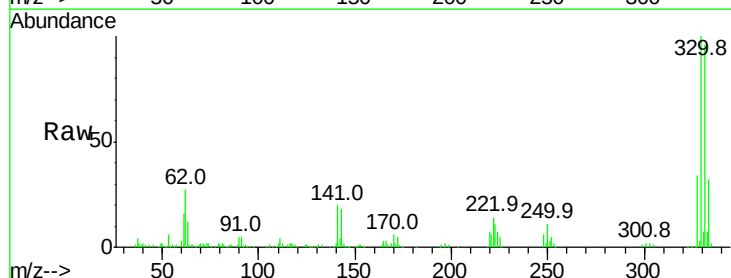


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

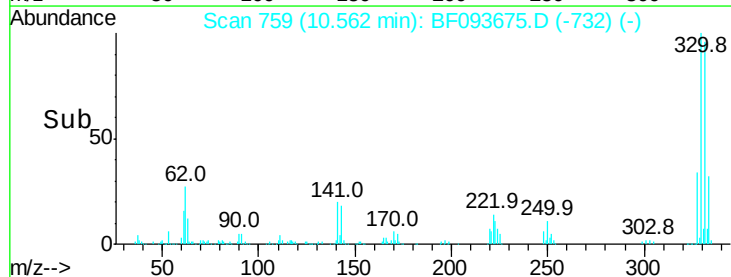
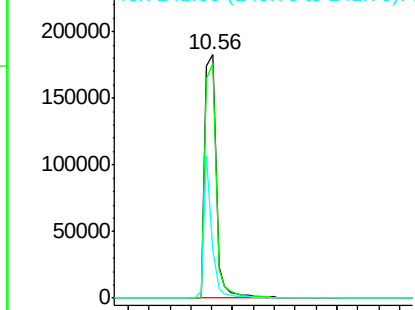


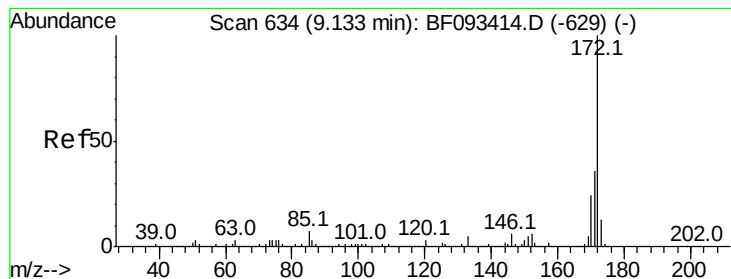
#41
 2,4,6-Tribromophenol
 Concen: 129.71 ng
 RT: 10.56 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: BF093675.D
 Acq: 15 Mar 2017 18:36

Tgt Ion:330 Resp: 281791
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.4 116.2
 141 40.9 34.1 51.1



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: 75.73 ng

RT: 9.08 min Scan# 629

Delta R.T. -0.01 min

Lab File: BF093675.D

Acq: 15 Mar 2017 18:36

Instrument :

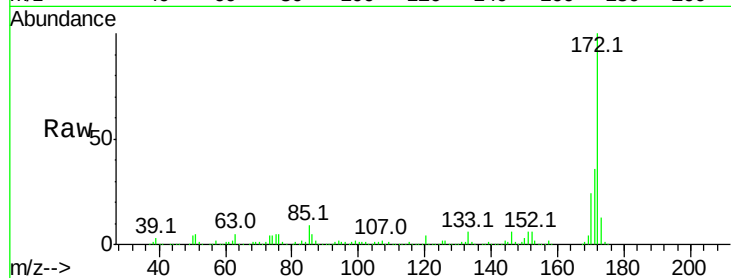
BNA_F

ClientSampleId :

E2-DD6-WSW

Tot Ion:172 Resp: 1357580

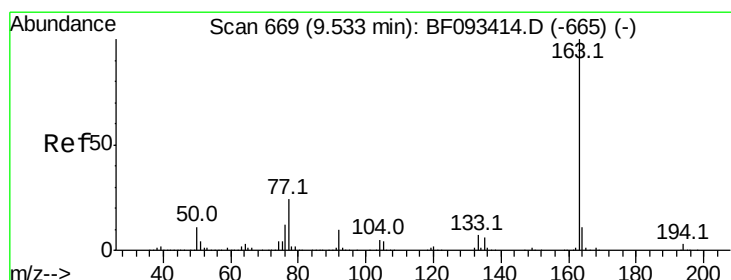
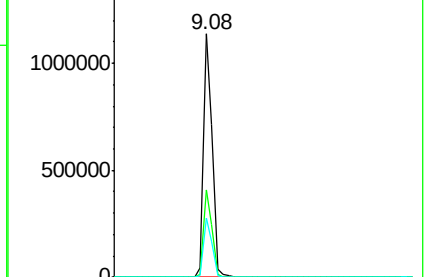
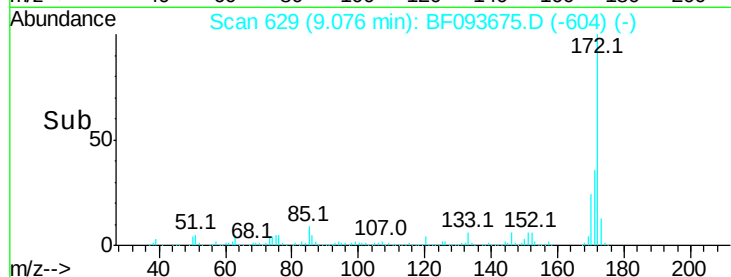
Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.4	44.0
170	24.2	20.2	30.4



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: 20.32 ng

RT: 9.49 min Scan# 665

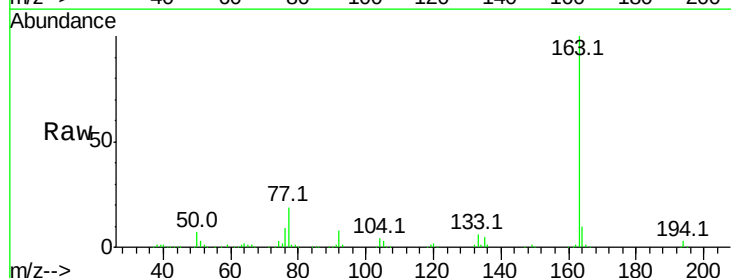
Delta R.T. -0.01 min

Lab File: BF093675.D

Acq: 15 Mar 2017 18:36

Tgt Ion:163 Resp: 449284

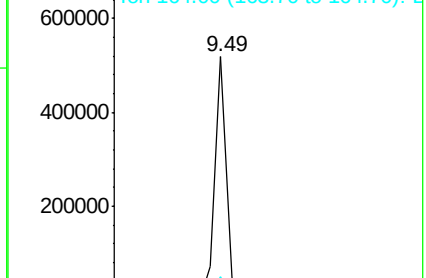
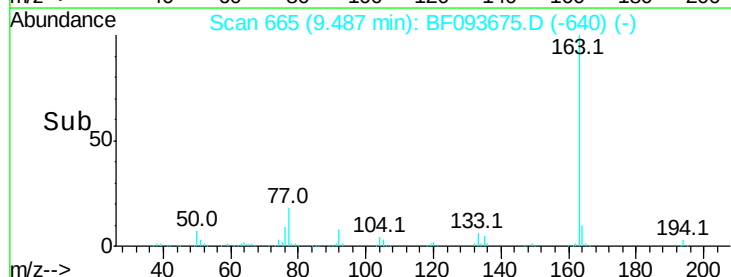
Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.4
164	9.6	8.0	12.0

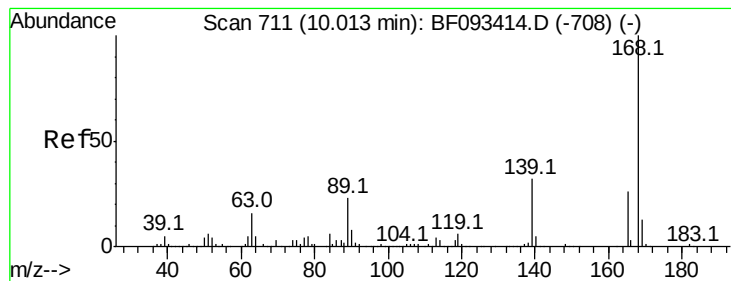


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

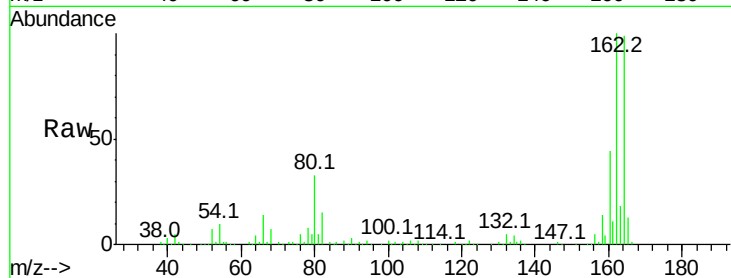




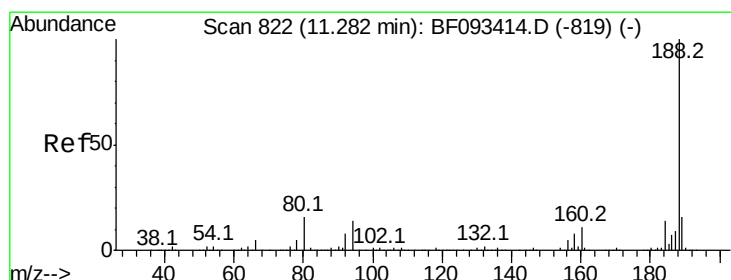
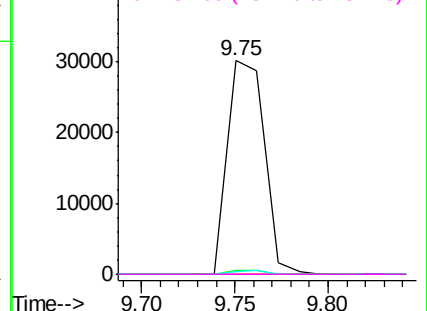
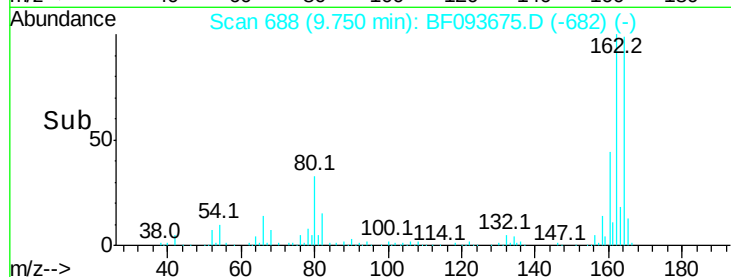
#56
 2,4-Dinitrotoluene
 Concen: 7.00 ng
 RT: 9.75 min Scan# 688
 Delta R.T. -0.23 min
 Lab File: BF093675.D
 Acq: 15 Mar 2017 18:36

Instrument :
 BNA_F
 ClientSampleId :
 E2-DD6-WSW

Tot Ion:165 Resp: 41713
 Ion Ratio Lower Upper
 165 100
 63 1.9 40.2 60.4#
 89 1.4 62.5 93.7#
 182 0.0 1.8 2.8#

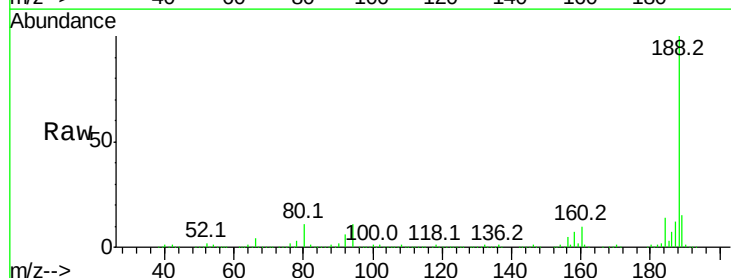


Abundance Ion 165.00 (164.70 to 165.70): E

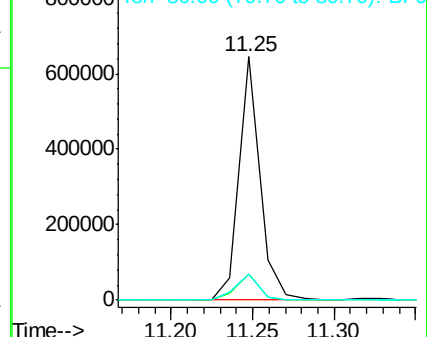
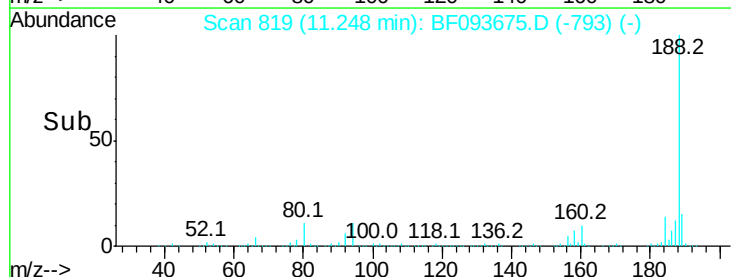


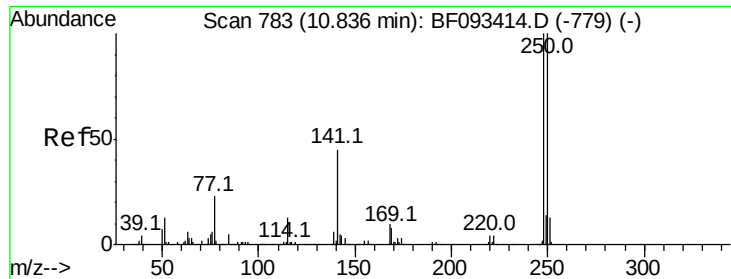
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 819
 Delta R.T. -0.00 min
 Lab File: BF093675.D
 Acq: 15 Mar 2017 18:36

Tgt Ion:188 Resp: 572215
 Ion Ratio Lower Upper
 188 100
 94 10.8 10.0 15.0
 80 10.9 11.2 16.8#



Abundance Ion 188.00 (187.70 to 188.70): E

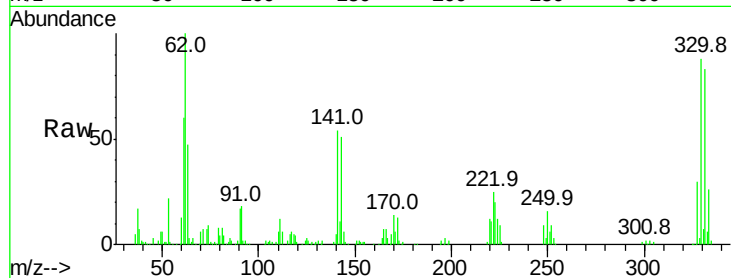




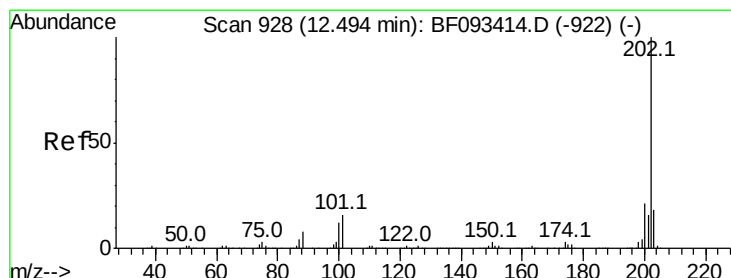
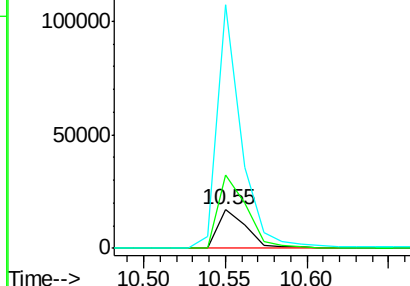
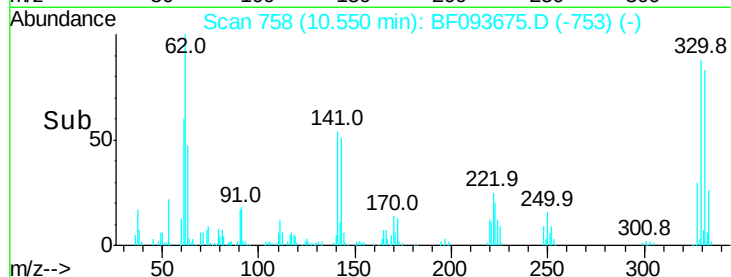
#66
 4-Bromophenyl-phenylether
 Concen: 3.44 ng
 RT: 10.55 min Scan# 758
 Delta R.T. -0.24 min
 Lab File: BF093675.D
 Acq: 15 Mar 2017 18:36

Instrument :
 BNA_F
 ClientSampleId :
 E2-DD6-WSW

Tot Ion:248 Resp: 20809
 Ion Ratio Lower Upper
 248 100
 250 190.5 76.9 115.3#
 141 633.6 68.2 102.4#

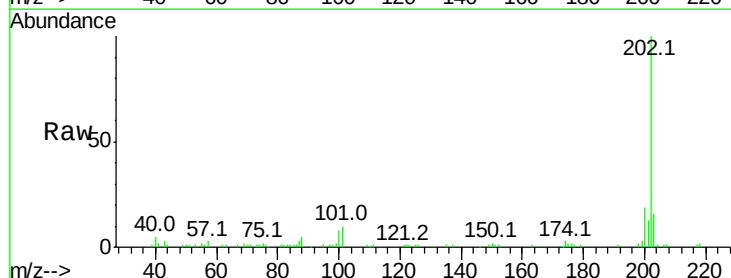


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

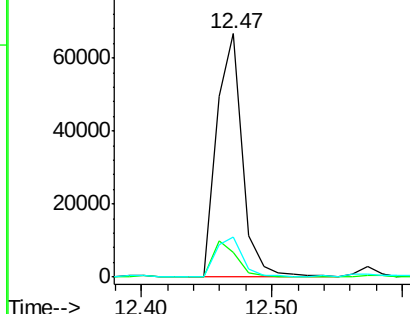
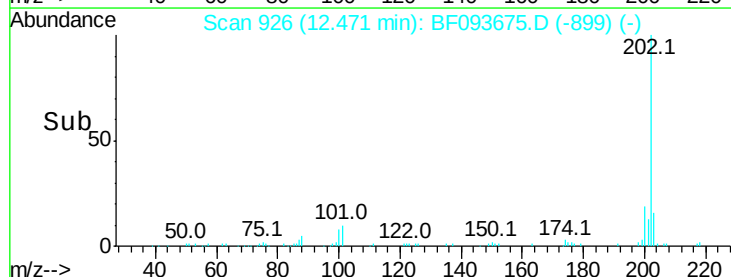


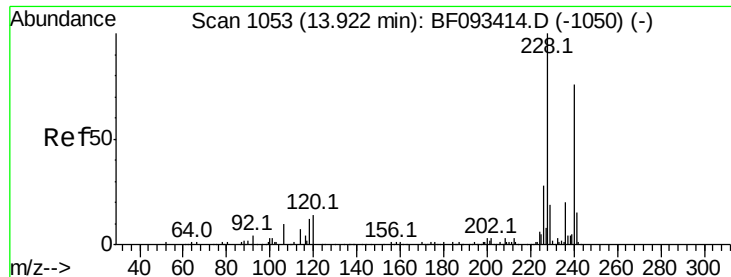
#74
 Fluoranthene
 Concen: 2.90 ng
 RT: 12.47 min Scan# 926
 Delta R.T. 0.01 min
 Lab File: BF093675.D
 Acq: 15 Mar 2017 18:36

Tgt Ion:202 Resp: 91611
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 34.6
 203 16.5 0.0 38.7



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: 13.89 min Scan# 1050

Delta R.T. -0.00 min

Lab File: BF093675.D

Acq: 15 Mar 2017 18:36

Instrument :

BNA_F

ClientSampleId :

E2-DD6-WSW

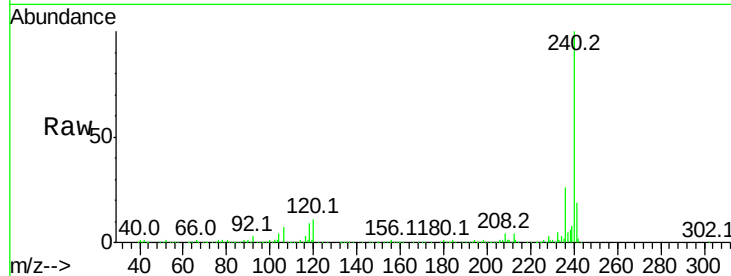
Tot Ion:240 Resp: 364624

Ion Ratio Lower Upper

240 100

120 10.8 12.9 19.3#

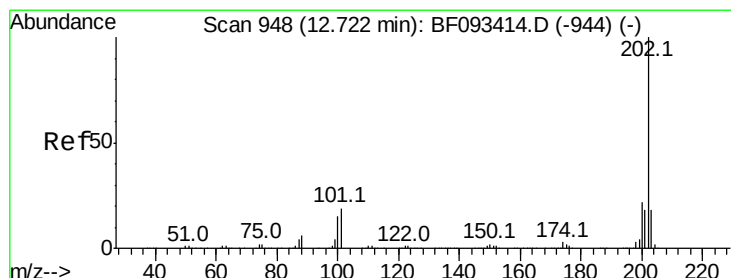
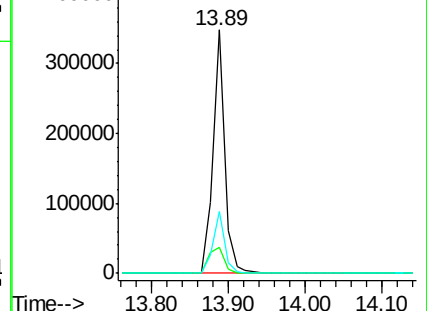
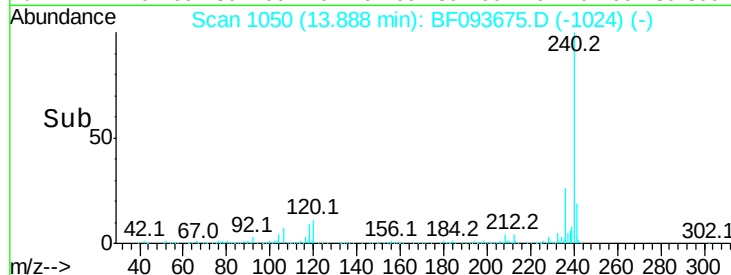
236 25.5 20.9 31.3



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: 3.35 ng

RT: 12.69 min Scan# 945

Delta R.T. 0.01 min

Lab File: BF093675.D

Acq: 15 Mar 2017 18:36

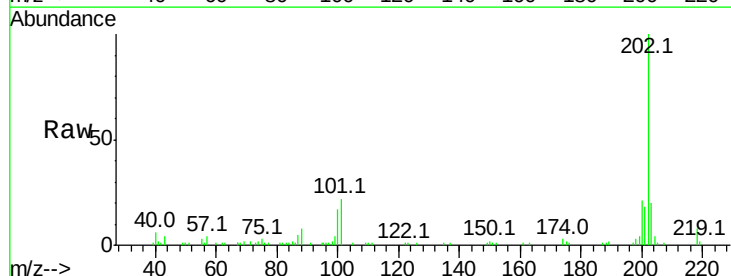
Tgt Ion:202 Resp: 88940

Ion Ratio Lower Upper

202 100

200 20.6 17.7 26.5

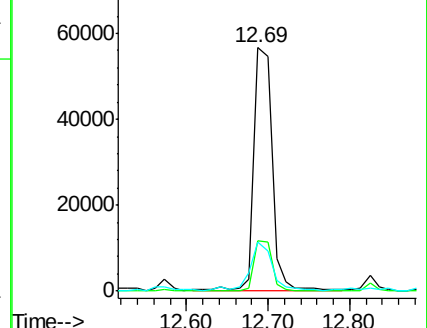
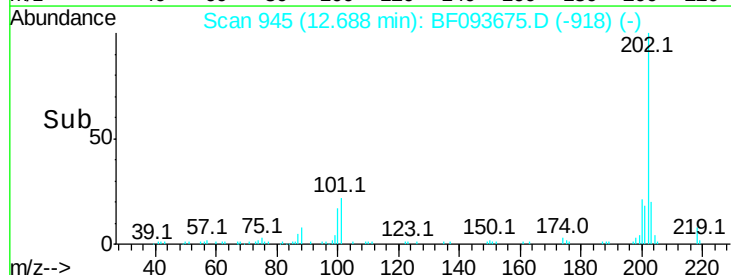
203 20.0 14.7 22.1

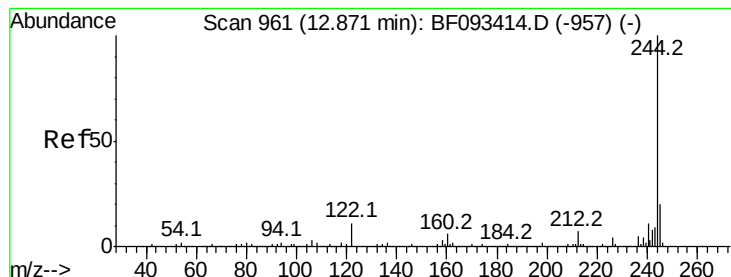


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 67.50 ng

RT: 12.82 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF093675.D

Acq: 15 Mar 2017 18:36

Instrument :

BNA_F

ClientSampleId :

E2-DD6-WSW

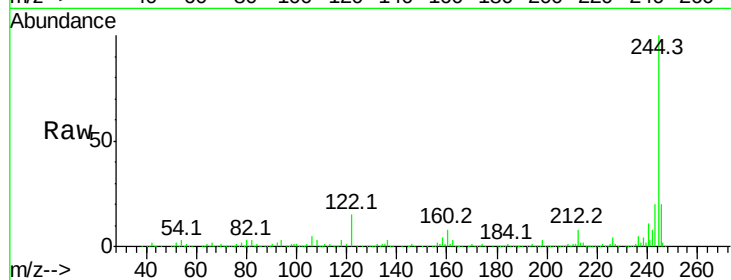
Tot Ion:244 Resp: 946678

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

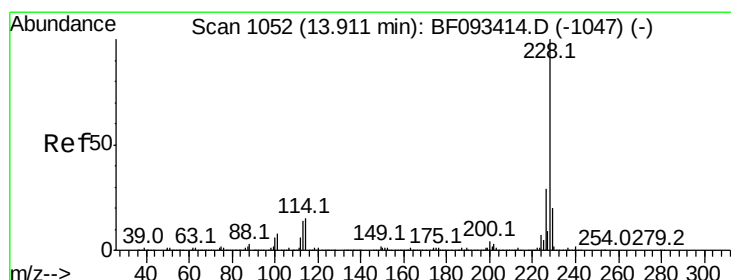
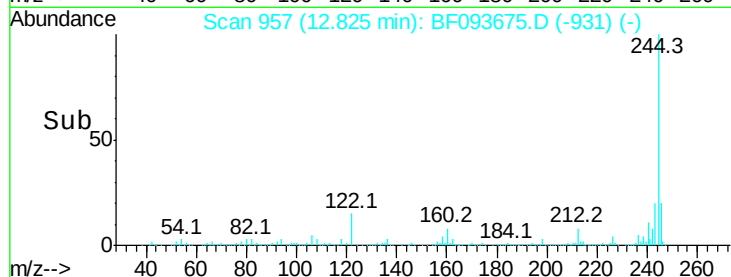
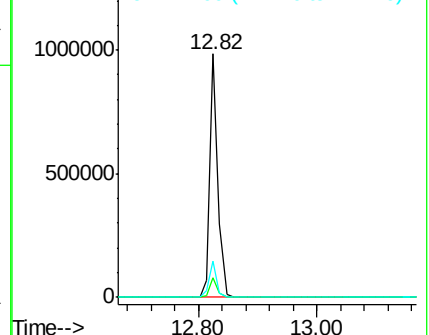
122 14.8 11.4 17.2



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: 2.17 ng

RT: 13.88 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF093675.D

Acq: 15 Mar 2017 18:36

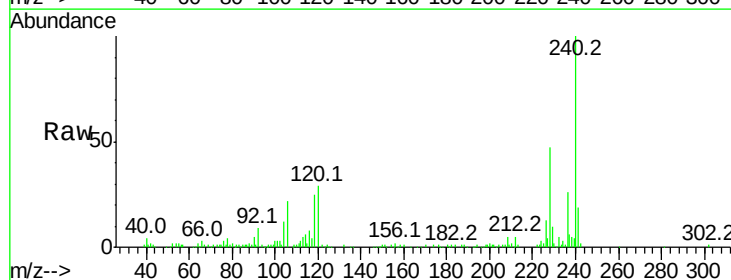
Tgt Ion:228 Resp: 46822

Ion Ratio Lower Upper

228 100

226 27.0 22.4 33.6

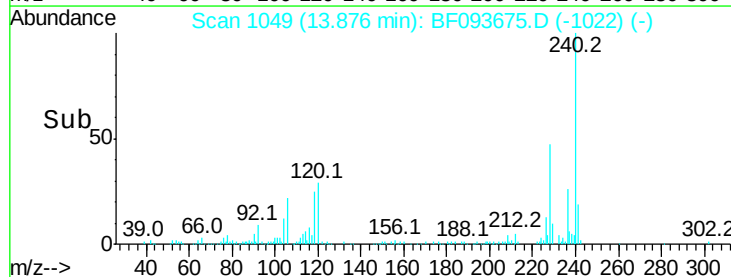
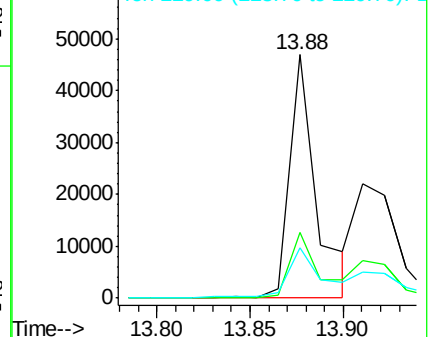
229 20.7 16.2 24.4

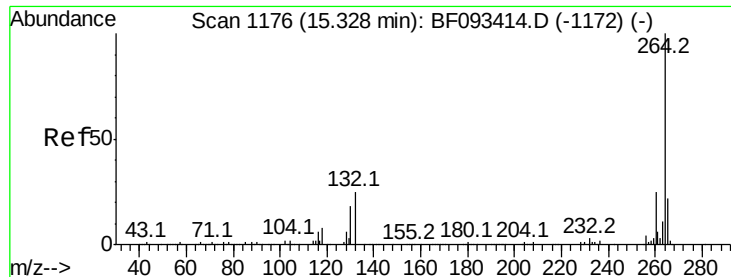


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

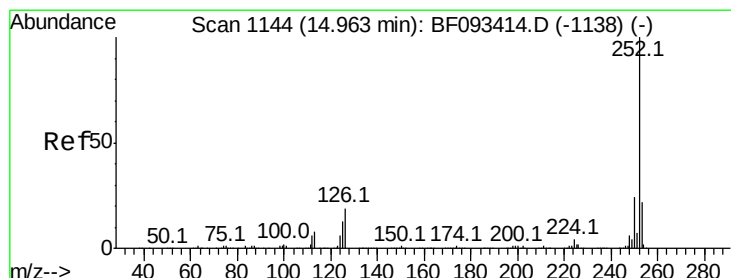
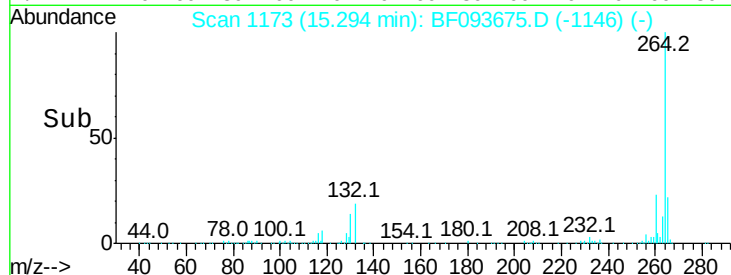
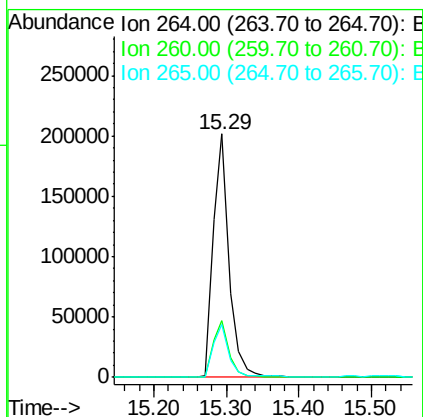
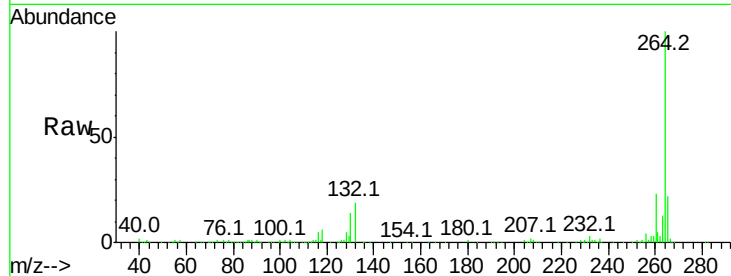




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BF093675.D
Acq: 15 Mar 2017 18:36

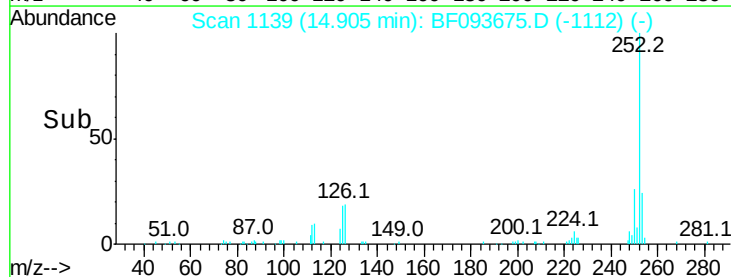
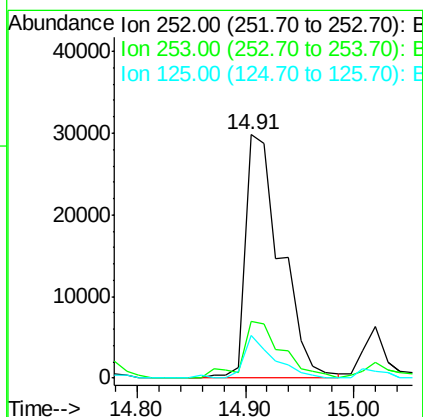
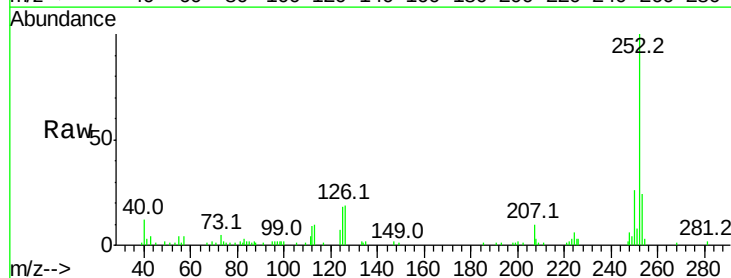
Instrument :
BNA_F
ClientSampleId :
E2-DD6-WSW

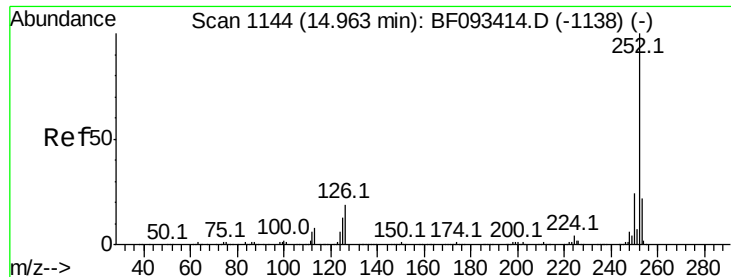
Tot Ion:264 Resp: 303565
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 21.6 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 3.61 ng
RT: 14.91 min Scan# 1139
Delta R.T. 0.01 min
Lab File: BF093675.D
Acq: 15 Mar 2017 18:36

Tgt Ion:252 Resp: 66713
Ion Ratio Lower Upper
252 100
253 23.6 18.2 27.4
125 17.7 9.8 14.6#

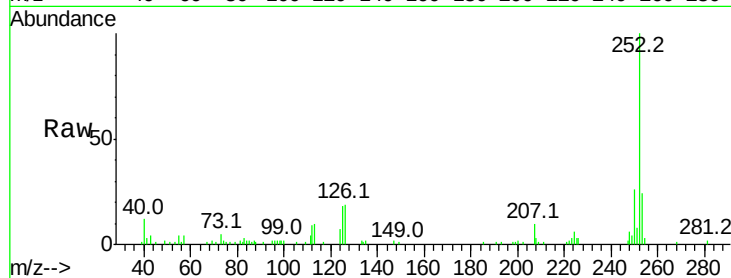




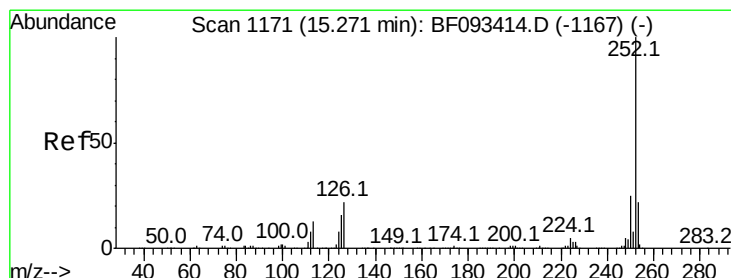
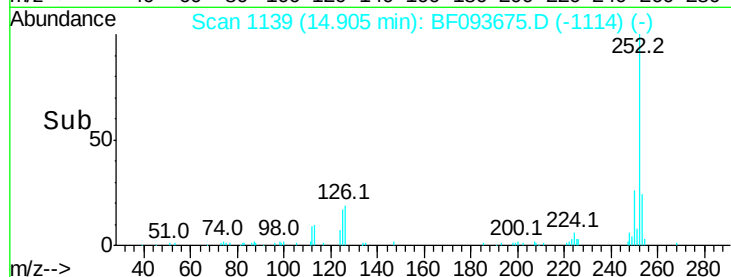
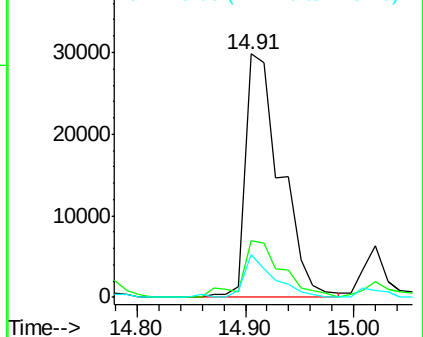
#88
Benzo(k)fluoranthene
Concen: 3.74 ng
RT: 14.91 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BF093675.D
Acq: 15 Mar 2017 18:36

Instrument :
BNA_F
ClientSampleId :
E2-DD6-WSW

Tot Ion:252 Resp: 66713
Ion Ratio Lower Upper
252 100
253 23.6 18.5 27.7
125 17.7 8.9 13.3#

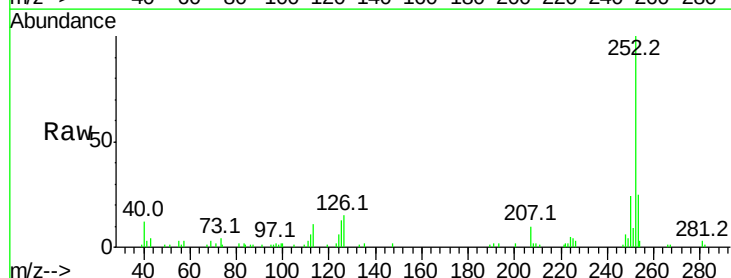


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

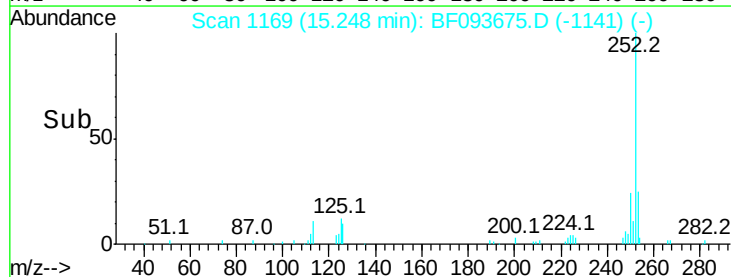
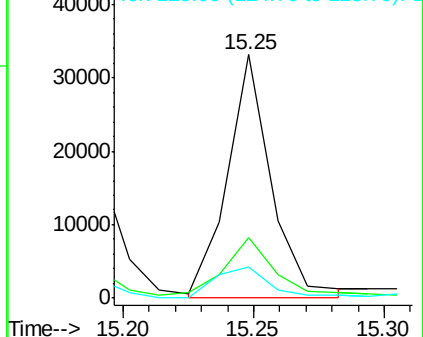


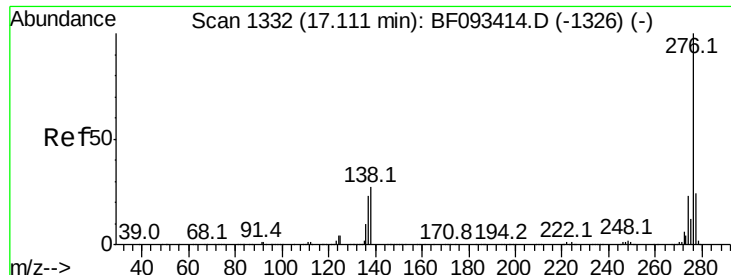
#89
Benzo(a)pyrene
Concen: 2.31 ng
RT: 15.25 min Scan# 1169
Delta R.T. 0.02 min
Lab File: BF093675.D
Acq: 15 Mar 2017 18:36

Tgt Ion:252 Resp: 39088
Ion Ratio Lower Upper
252 100
253 24.7 18.2 27.2
125 12.9 10.0 15.0



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: 2.26 ng
 RT: 17.09 min Scan# 1330
 Delta R.T. 0.07 min
 Lab File: BF093675.D
 Acq: 15 Mar 2017 18:36

Instrument :
 BNA_F
 ClientSampleId :
 E2-DD6-WSW

Tot Ion: 276 Resp: 32485
 Ion Ratio Lower Upper
 276 100
 277 27.3 19.2 28.8
 138 28.8 16.0 24.0#

