

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031517\
 Data File : BF093678.D
 Acq On : 15 Mar 2017 19:59
 Operator : SJ/MA
 Sample : I2264-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-DD8-BASE

Quant Time: Mar 16 01:43:08 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

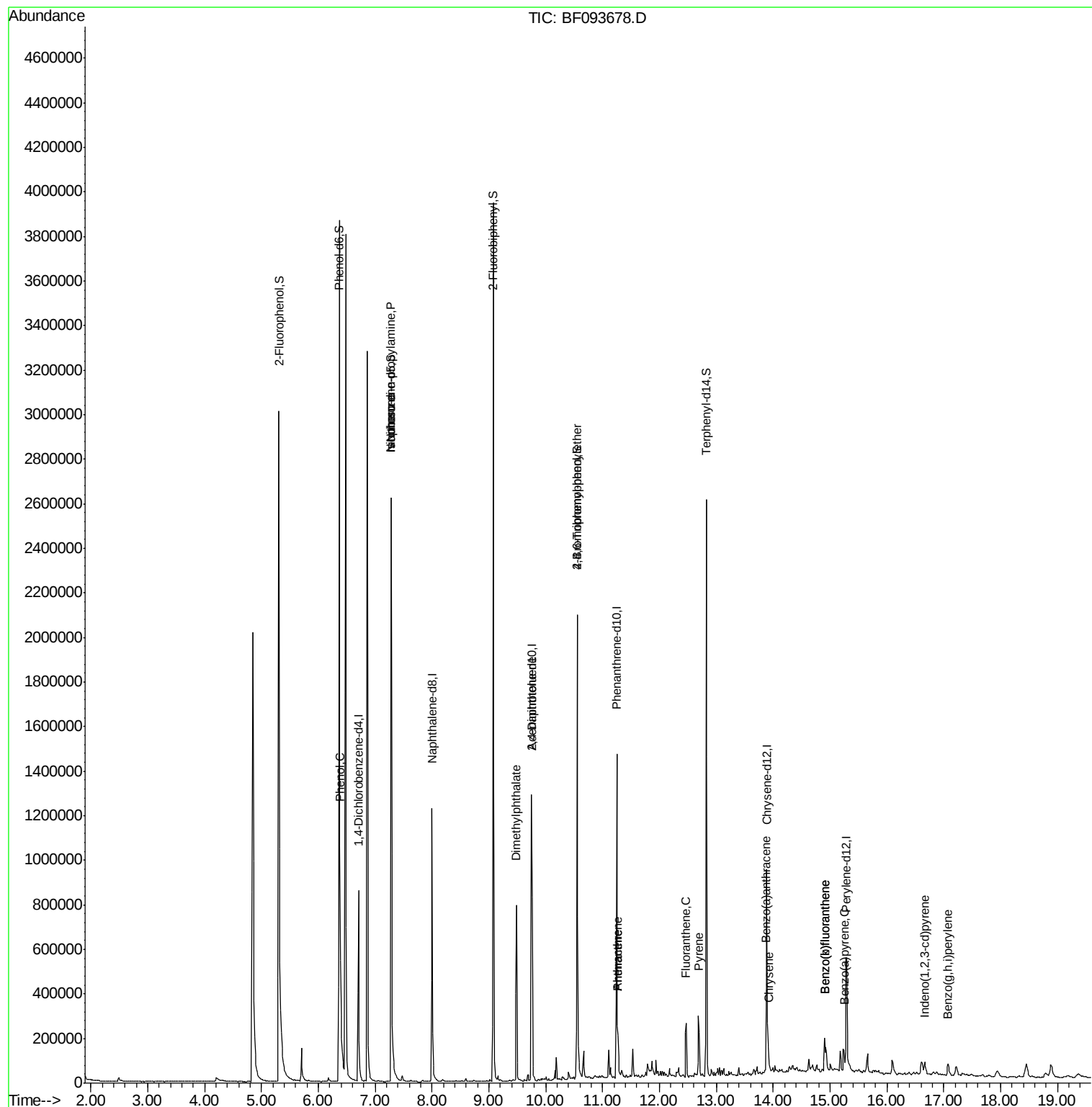
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	166965	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	661825	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	316484	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	534642	20.00	ng	0.00
75) Chrysene-d12	13.89	240	320820	20.00	ng	0.00
86) Perylene-d12	15.29	264	304604	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	1194896	119.11	ng	-0.01
7) Phenol-d6	6.37	99	1547970	122.36	ng	-0.01
23) Nitrobenzene-d5	7.28	82	1012682	84.90	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	243569	118.13	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1349381	79.31	ng	-0.01
78) Terphenyl-d14	12.83	244	956783	77.54	ng	0.00
Target Compounds						
9) Benzaldehyde	6.37	77	3401	Below Cal	#	1
10) Phenol	6.38	94	126237	8.14	ng	87
19) n-Nitroso-di-n-propylamine	7.28	70	134809	15.50	ng	# 85
25) Isophorone	7.28	82	1002115	41.66	ng	# 65
49) Dimethylphthalate	9.49	163	400187	19.07	ng	100
56) 2,4-Dinitrotoluene	9.75	165	39654	7.01	ng	# 20
66) 4-Bromophenyl-phenylether	10.55	248	17390	3.08	ng	# 1
70) Phenanthrene	11.27	178	74969	2.46	ng	97
71) Anthracene	11.27	178	74969	2.43	ng	98
74) Fluoranthene	12.47	202	145612	4.94	ng	92
77) Pyrene	12.69	202	136446	5.85	ng	98
80) Benzo(a)anthracene	13.88	228	69112	3.65	ng	99
82) Chrysene	13.92	228	51371	2.93	ng	98
85) Indeno(1,2,3-cd)pyrene	16.67	276	42281	2.88	ng	# 90
87) Benzo(b)fluoranthene	14.91	252	102015	5.50	ng	97
88) Benzo(k)fluoranthene	14.91	252	102015	5.70	ng	# 96
89) Benzo(a)pyrene	15.25	252	58407	3.44	ng	96
91) Benzo(g,h,i)perylene	17.08	276	47629	3.31	ng	# 89

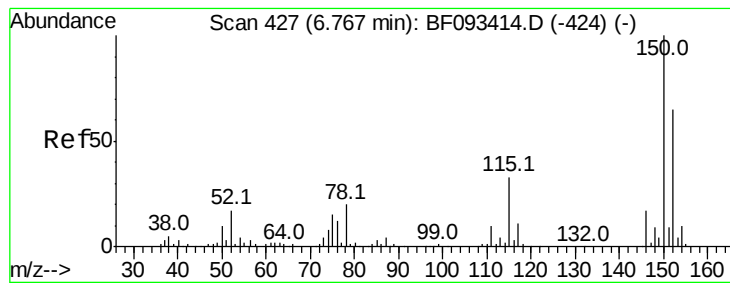
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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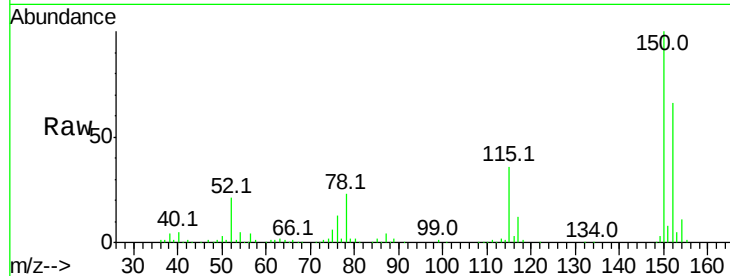


#1

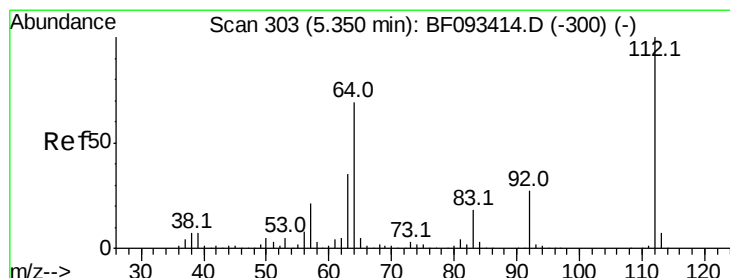
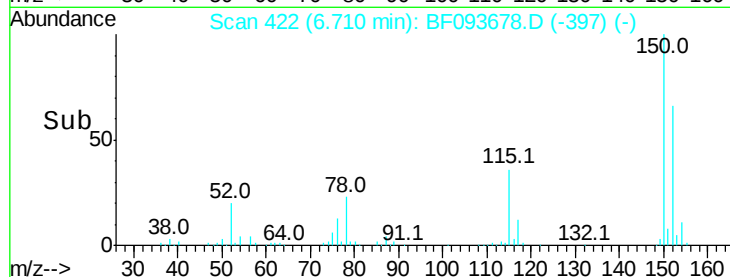
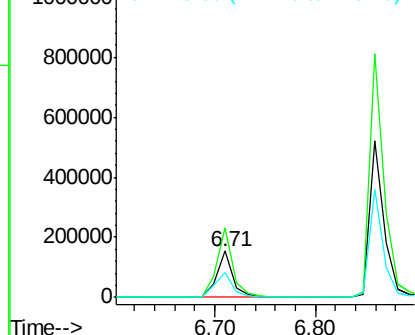
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 422
Delta R.T. -0.01 min
Lab File: BF093678.D
Acq: 15 Mar 2017 19:59

Instrument :
BNA_F
ClientSampleId :
E2-DD8-BASE

Tot Ion:152 Resp: 166965
Ion Ratio Lower Upper
152 100
150 152.2 124.9 187.3
115 54.2 46.0 69.0



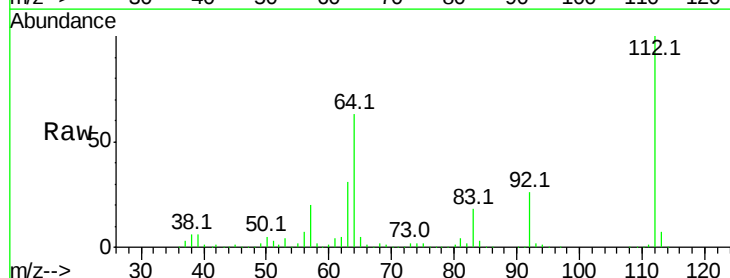
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



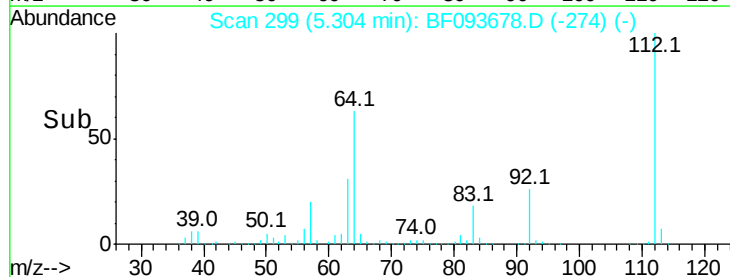
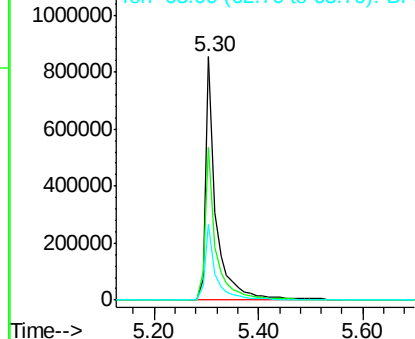
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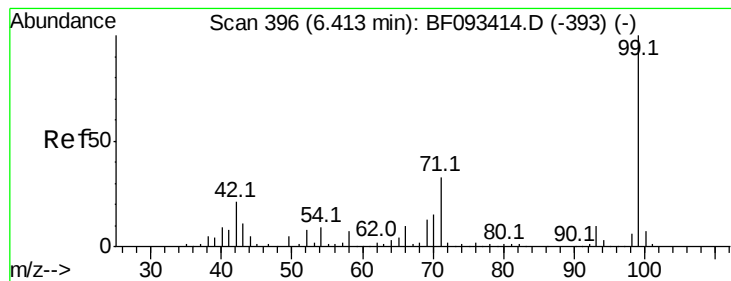
2-Fluorophenol
Concen: 119.11 ng
RT: 5.30 min Scan# 299
Delta R.T. -0.01 min
Lab File: BF093678.D
Acq: 15 Mar 2017 19:59

Tgt Ion:112 Resp: 1194896
Ion Ratio Lower Upper
112 100
64 62.5 46.1 69.1
63 31.1 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: 122.36 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.01 min

Lab File: BF093678.D

Acq: 15 Mar 2017 19:59

Instrument :

BNA_F

ClientSampleId :

E2-DD8-BASE

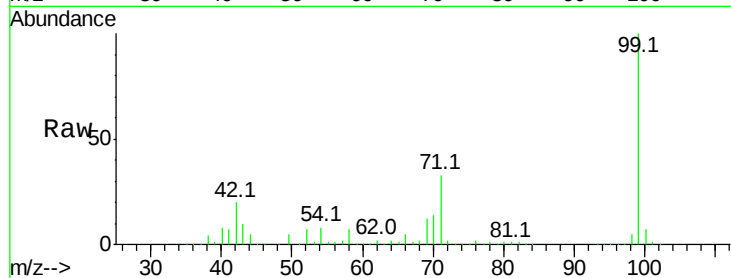
Tot Ion: 99 Resp: 1547970

Ion Ratio Lower Upper

99 100

42 19.9 15.6 23.4

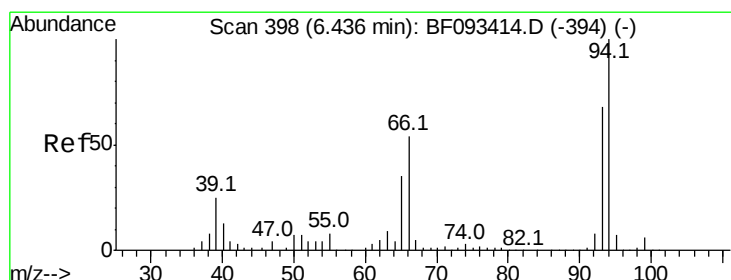
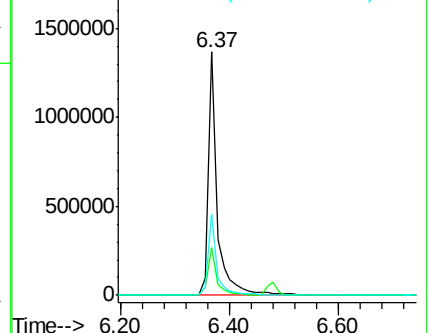
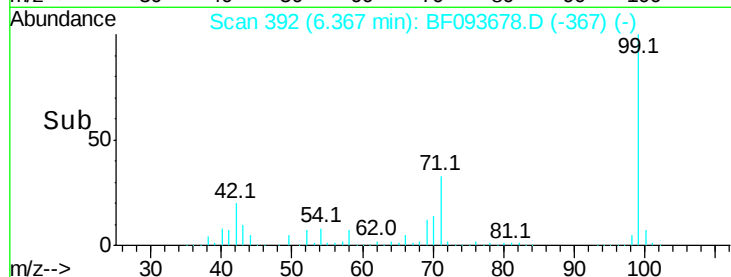
71 33.2 27.5 41.3



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: 8.14 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.02 min

Lab File: BF093678.D

Acq: 15 Mar 2017 19:59

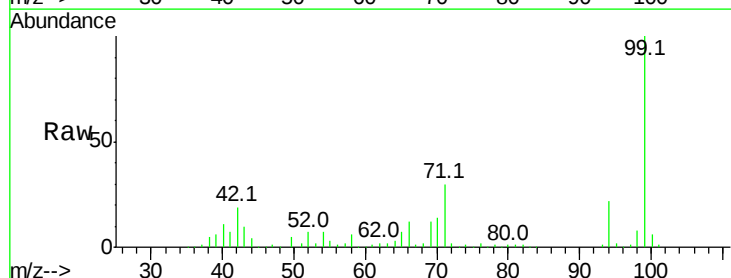
Tgt Ion: 94 Resp: 126237

Ion Ratio Lower Upper

94 100

65 32.9 21.4 61.4

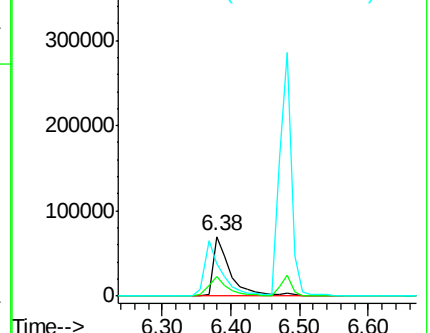
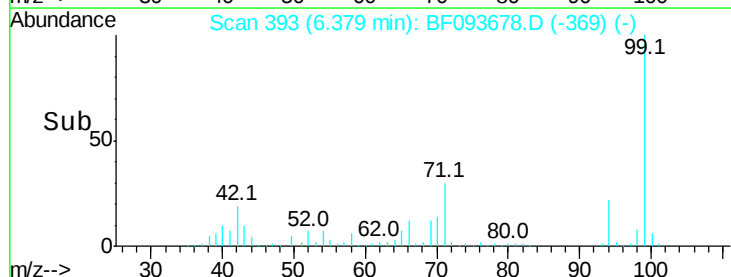
66 54.3 44.0 84.0

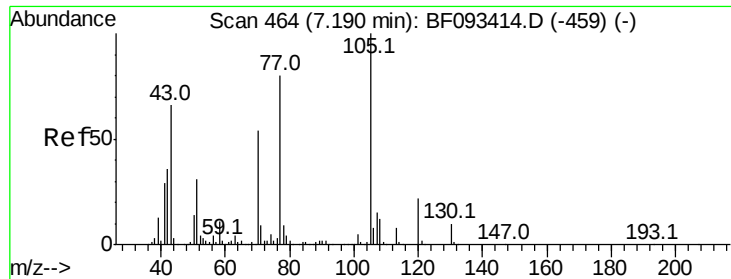


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

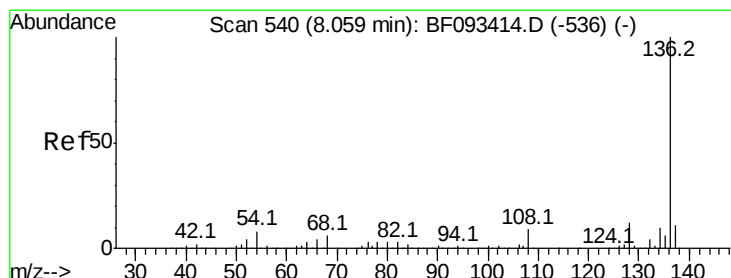
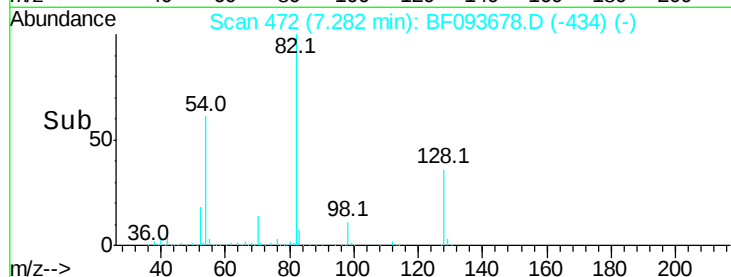
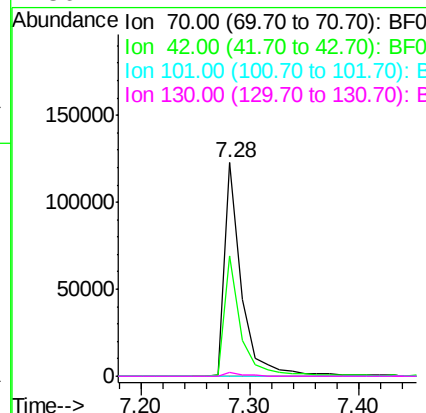
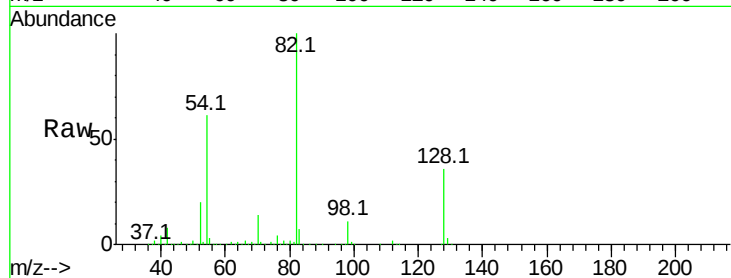




#19
n-Nitroso-di-n-propylamine
Concen: 15.50 ng
RT: 7.28 min Scan# 472
Delta R.T. 0.14 min
Lab File: BF093678.D
Acq: 15 Mar 2017 19:59

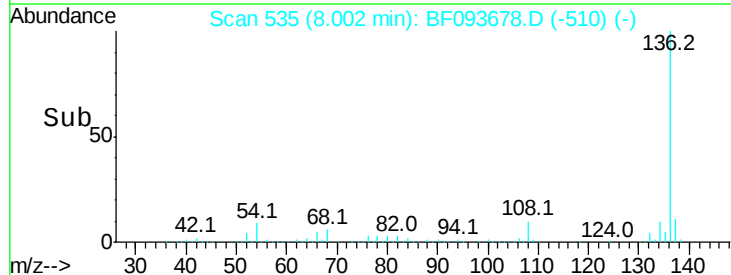
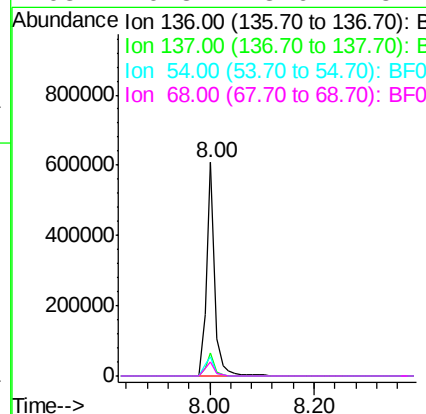
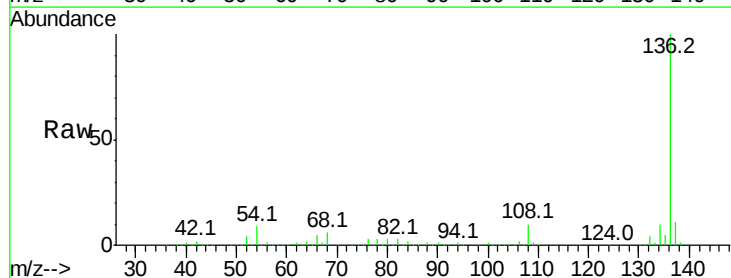
Instrument :
BNA_F
ClientSampleId :
E2-DD8-BASE

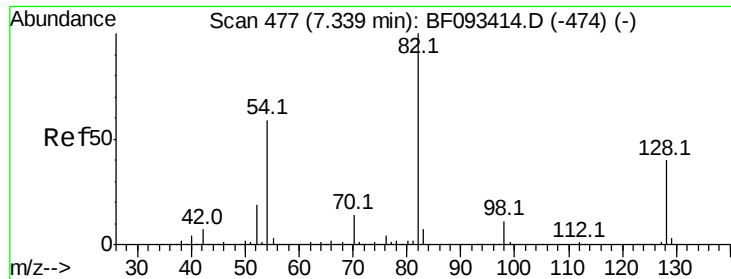
Tot Ion: 70 Resp: 134809
Ion Ratio Lower Upper
70 100
42 56.2 49.4 74.0
101 0.0 7.4 11.2#
130 1.7 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093678.D
Acq: 15 Mar 2017 19:59

Tgt Ion:136 Resp: 661825
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 8.8 4.5 6.7#
68 6.3 3.6 5.4#

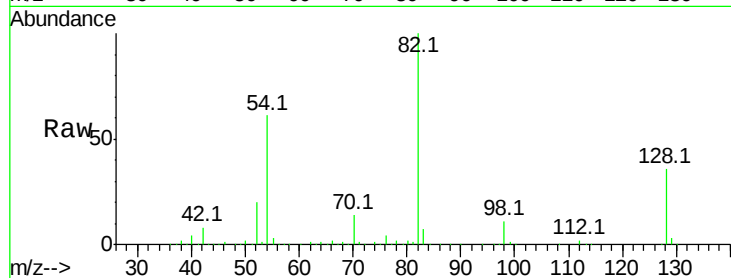




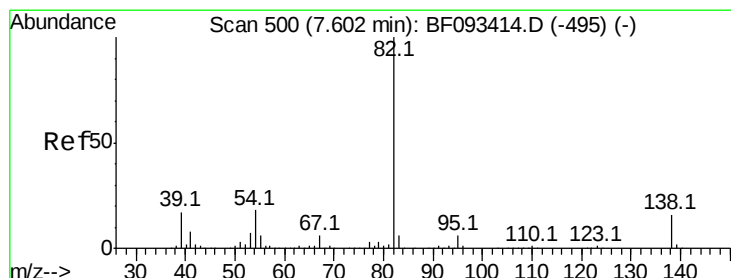
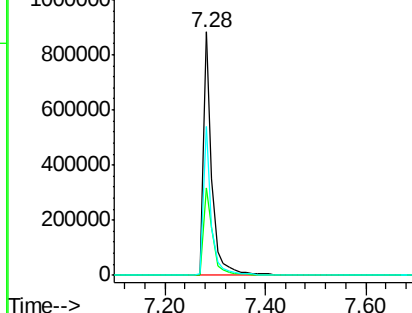
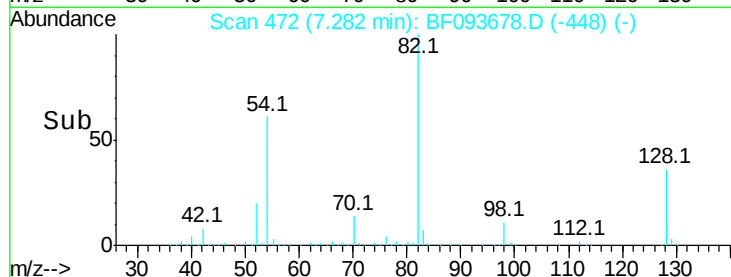
#23
Nitrobenzene-d5
Concen: 84.90 ng
RT: 7.28 min Scan# 472
Delta R.T. -0.02 min
Lab File: BF093678.D
Acq: 15 Mar 2017 19:59

Instrument :
BNA_F
ClientSampleId :
E2-DD8-BASE

Tot Ion: 82 Resp: 1012682
Ion Ratio Lower Upper
82 100
128 36.1 34.6 52.0
54 61.3 39.5 59.3#

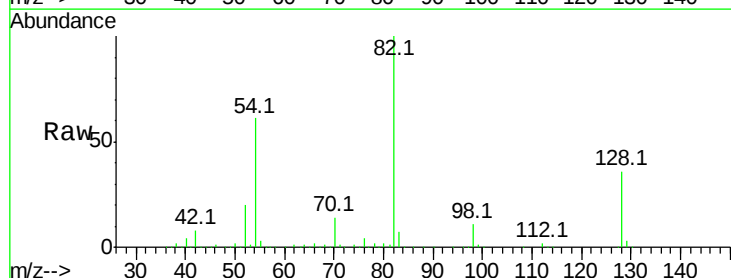


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

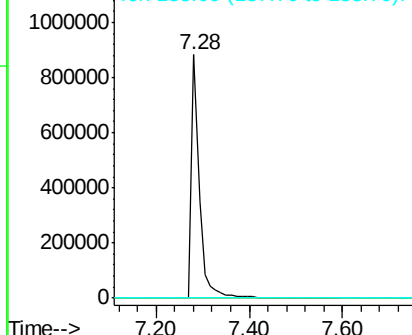
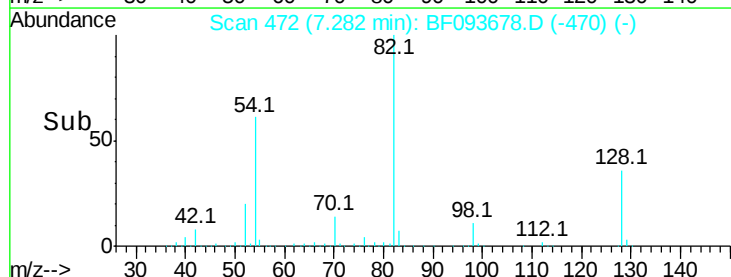


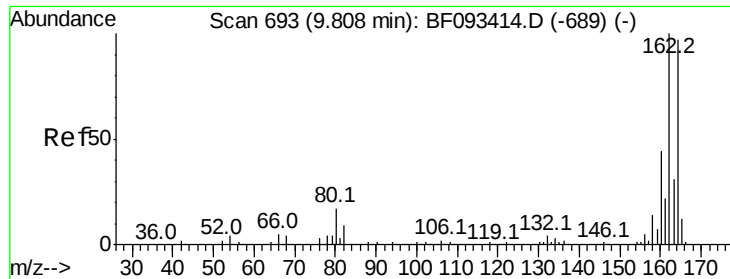
#25
Isophorone
Concen: 41.66 ng
RT: 7.28 min Scan# 472
Delta R.T. -0.27 min
Lab File: BF093678.D
Acq: 15 Mar 2017 19:59

Tgt Ion: 82 Resp: 1002115
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

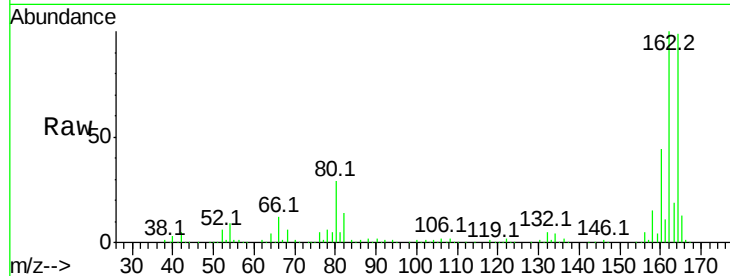




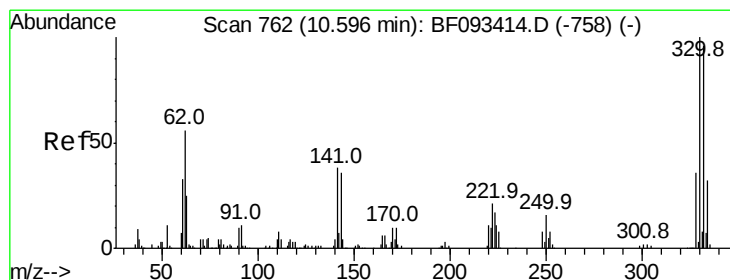
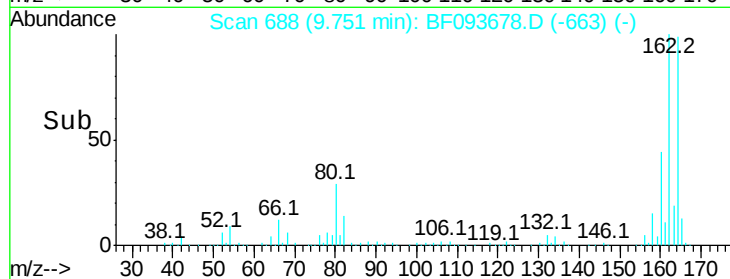
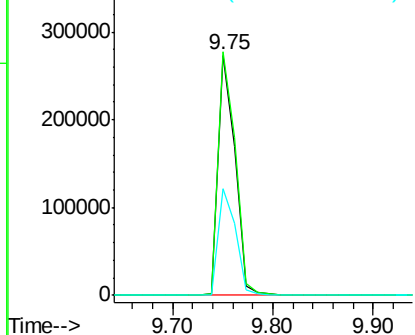
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.75 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF093678.D
Acq: 15 Mar 2017 19:59

Instrument :
BNA_F
ClientSampleId :
E2-DD8-BASE

Tot Ion:164 Resp: 316484
Ion Ratio Lower Upper
164 100
162 101.5 80.2 120.2
160 44.6 36.9 55.3

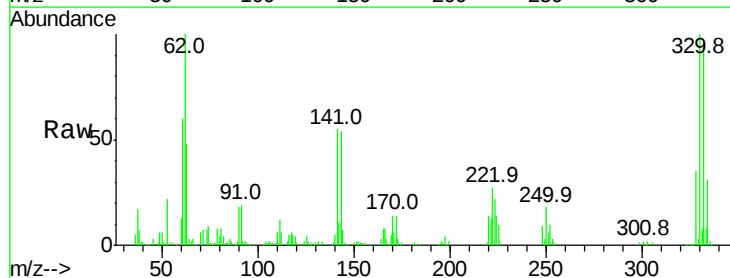


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

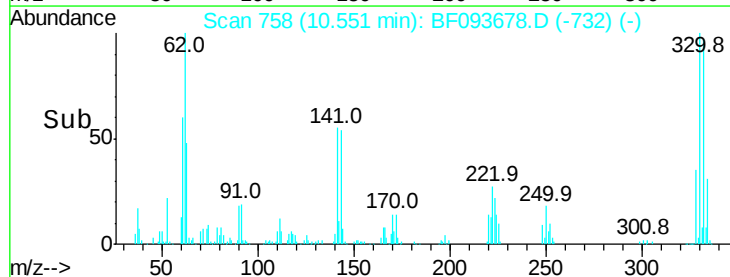
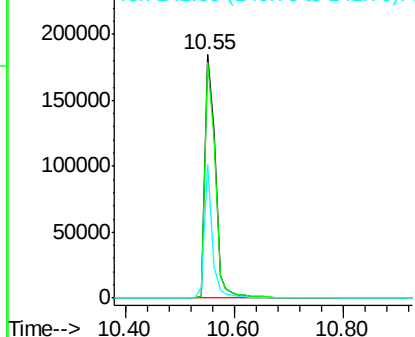


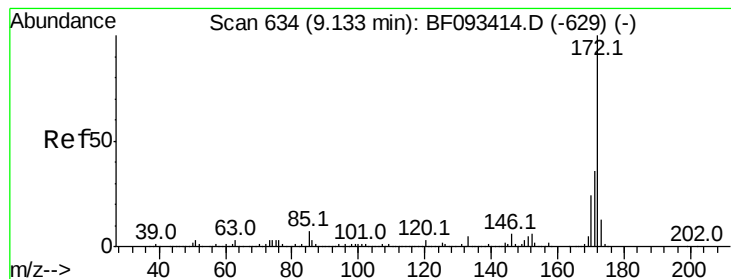
#41
2,4,6-Tribromophenol
Concen: 118.13 ng
RT: 10.55 min Scan# 758
Delta R.T. 0.00 min
Lab File: BF093678.D
Acq: 15 Mar 2017 19:59

Tgt Ion:330 Resp: 243569
Ion Ratio Lower Upper
330 100
332 96.1 77.4 116.2
141 41.9 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: 79.31 ng

RT: 9.08 min Scan# 629

Delta R.T. -0.01 min

Lab File: BF093678.D

Acq: 15 Mar 2017 19:59

Instrument :

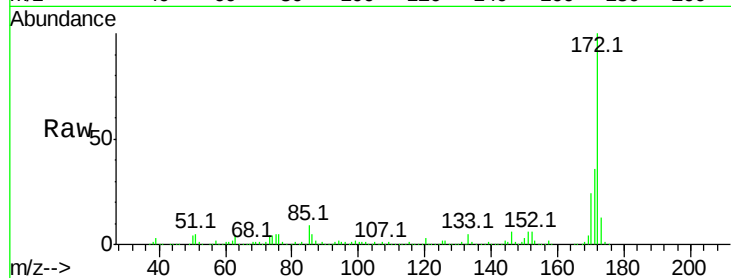
BNA_F

ClientSampleId :

E2-DD8-BASE

Tot Ion:172 Resp: 1349381

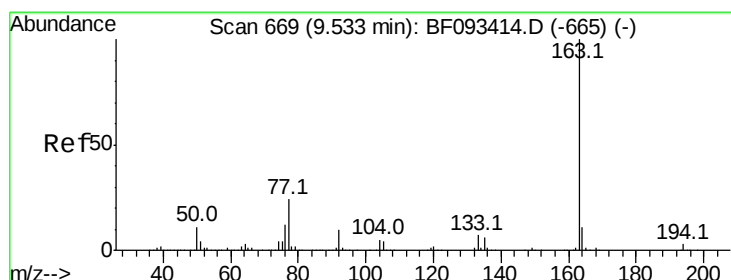
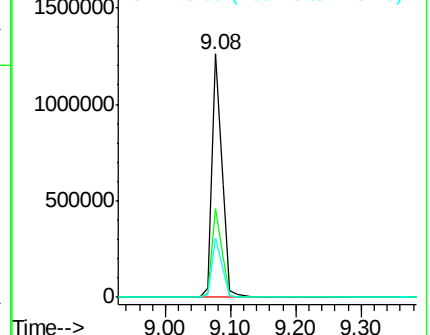
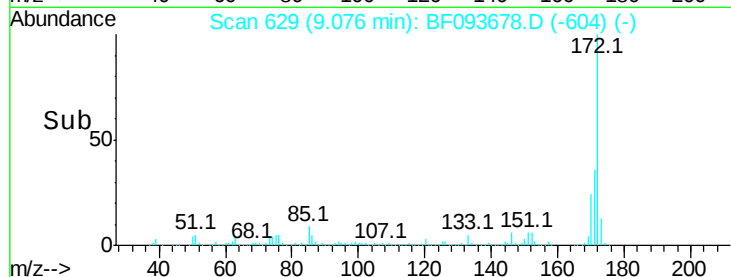
Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.0
170	24.2	20.2	30.4



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: 19.07 ng

RT: 9.49 min Scan# 665

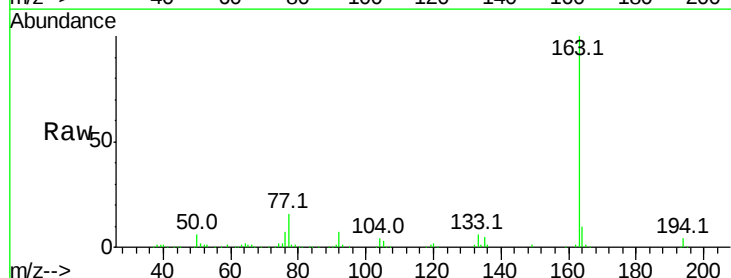
Delta R.T. -0.01 min

Lab File: BF093678.D

Acq: 15 Mar 2017 19:59

Tgt Ion:163 Resp: 400187

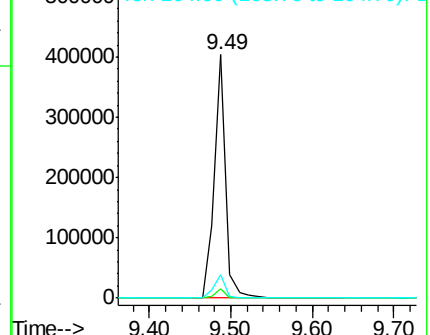
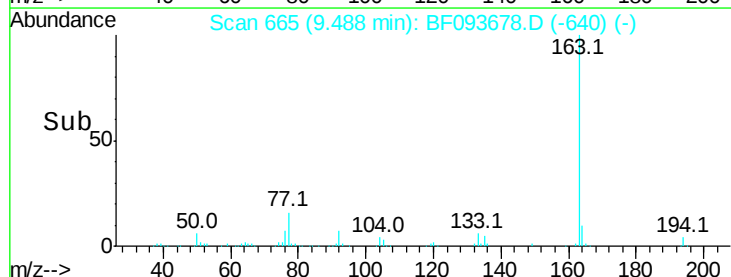
Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.4
164	9.9	8.0	12.0

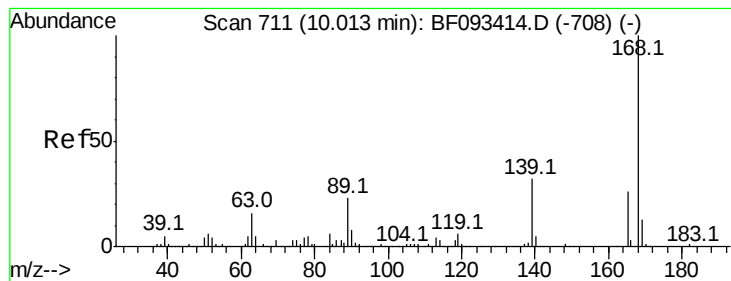


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

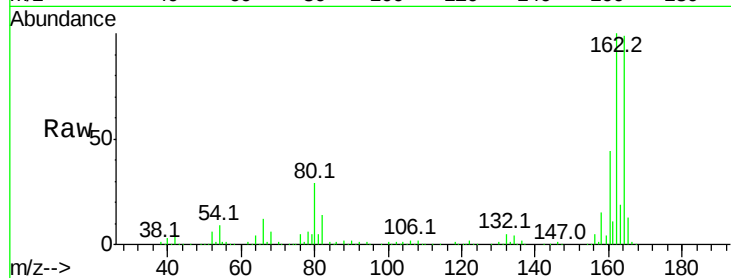




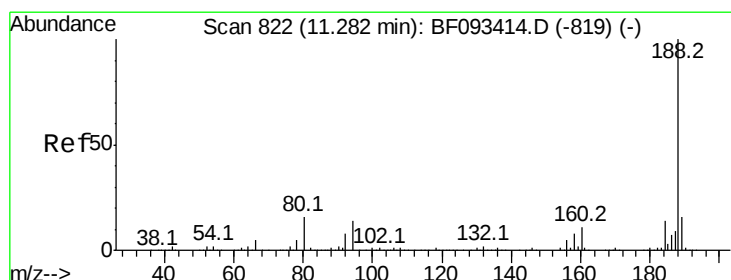
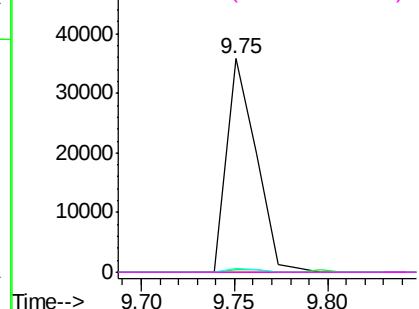
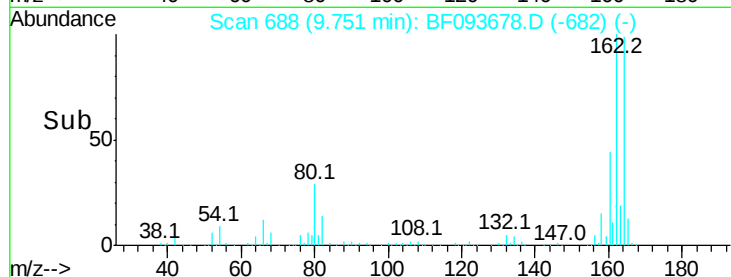
#56
 2,4-Dinitrotoluene
 Concen: 7.01 ng
 RT: 9.75 min Scan# 688
 Delta R.T. -0.23 min
 Lab File: BF093678.D
 Acq: 15 Mar 2017 19:59

Instrument :
 BNA_F
 ClientSampleId :
 E2-DD8-BASE

Tot Ion:165 Resp: 39654
 Ion Ratio Lower Upper
 165 100
 63 1.5 40.2 60.4#
 89 1.7 62.5 93.7#
 182 0.0 1.8 2.8#

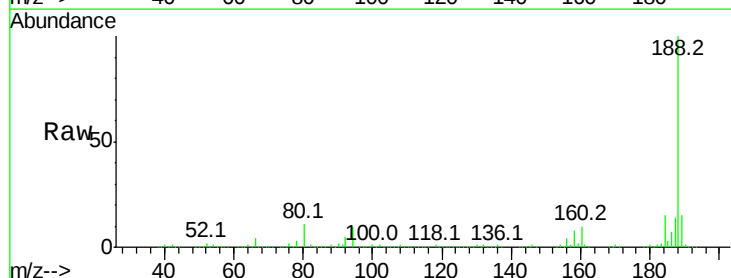


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

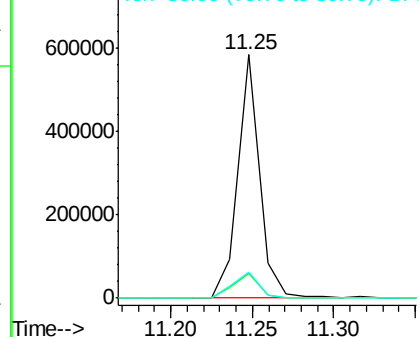
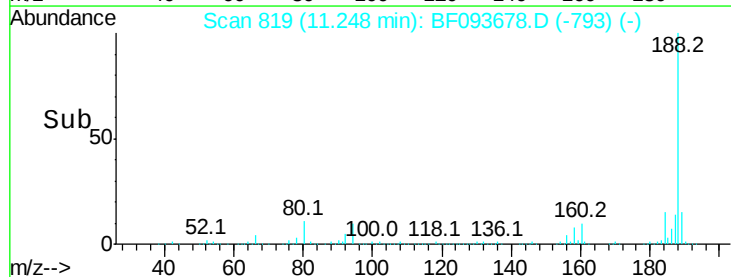


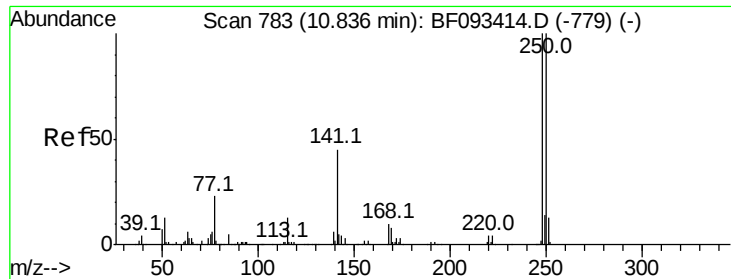
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 819
 Delta R.T. 0.00 min
 Lab File: BF093678.D
 Acq: 15 Mar 2017 19:59

Tgt Ion:188 Resp: 534642
 Ion Ratio Lower Upper
 188 100
 94 10.3 10.0 15.0
 80 10.7 11.2 16.8#



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

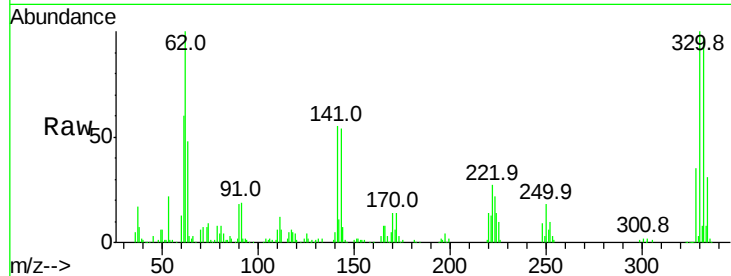




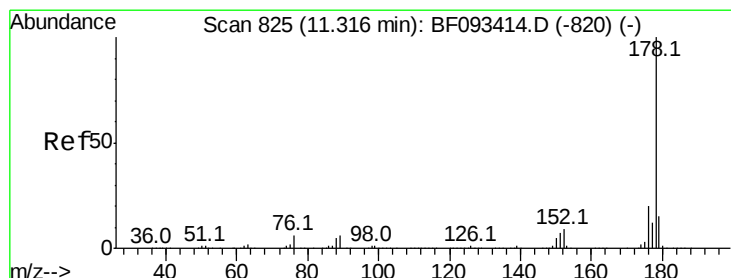
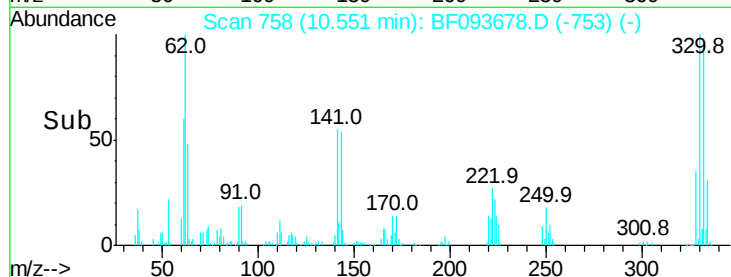
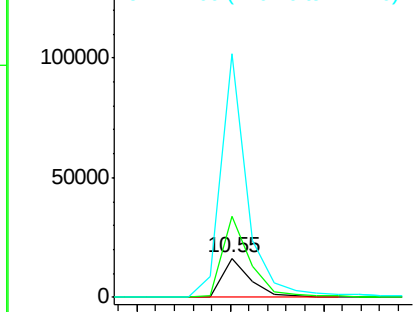
#66
4-Bromophenyl-phenylether
Concen: 3.08 ng
RT: 10.55 min Scan# 758
Delta R.T. -0.24 min
Lab File: BF093678.D
Acq: 15 Mar 2017 19:59

Instrument :
BNA_F
ClientSampleId :
E2-DD8-BASE

Tot Ion:248 Resp: 17390
Ion Ratio Lower Upper
248 100
250 206.7 76.9 115.3#
141 619.7 68.2 102.4#

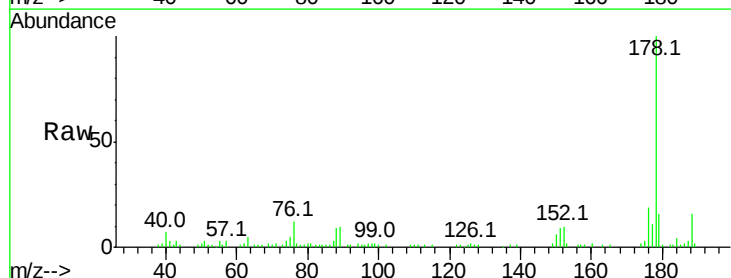


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

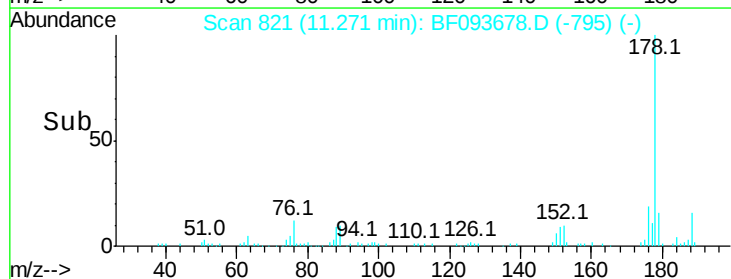
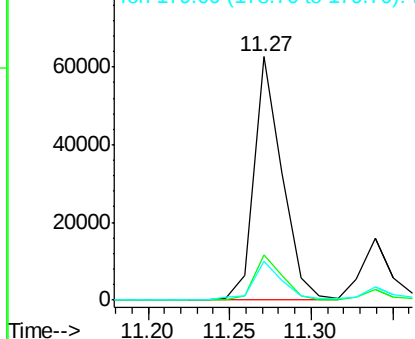


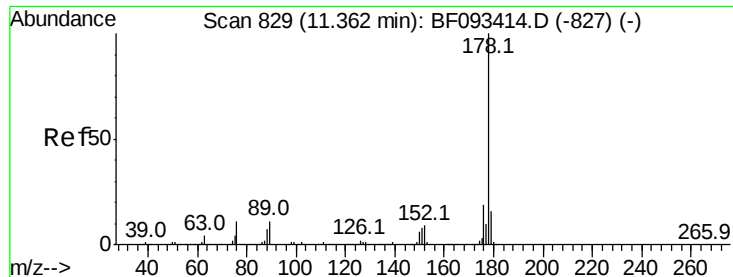
#70
Phenanthrene
Concen: 2.46 ng
RT: 11.27 min Scan# 821
Delta R.T. 0.00 min
Lab File: BF093678.D
Acq: 15 Mar 2017 19:59

Tgt Ion:178 Resp: 74969
Ion Ratio Lower Upper
178 100
176 18.8 16.6 25.0
179 16.0 12.8 19.2



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: 2.43 ng

RT: 11.27 min Scan# 821

Delta R.T. -0.05 min

Lab File: BF093678.D

Acq: 15 Mar 2017 19:59

Instrument :

BNA_F

ClientSampleId :

E2-DD8-BASE

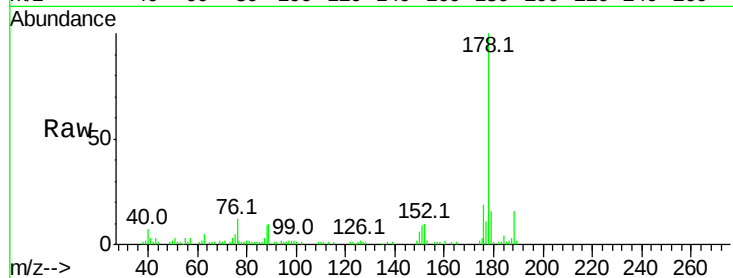
Tot Ion:178 Resp: 74969

Ion Ratio Lower Upper

178 100

176 18.8 15.9 23.9

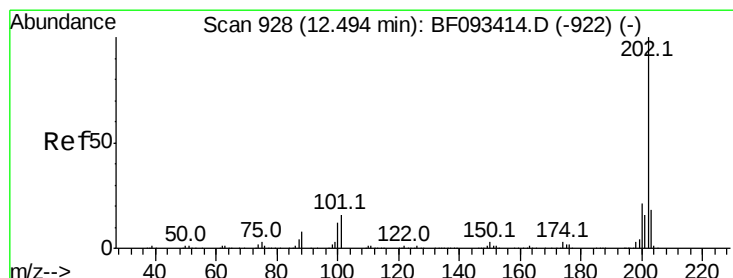
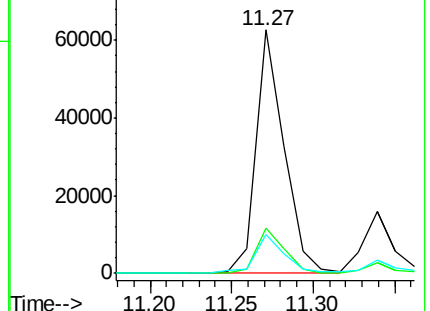
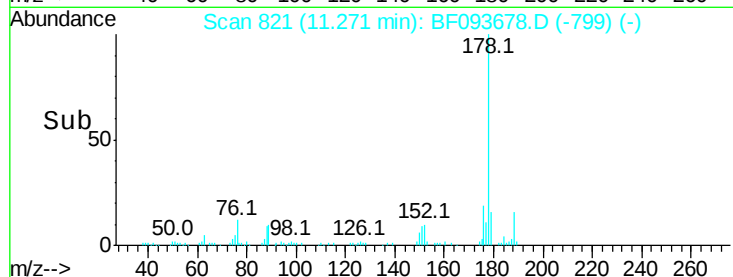
179 16.0 13.2 19.8



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



#74

Fluoranthene

Concen: 4.94 ng

RT: 12.47 min Scan# 926

Delta R.T. 0.01 min

Lab File: BF093678.D

Acq: 15 Mar 2017 19:59

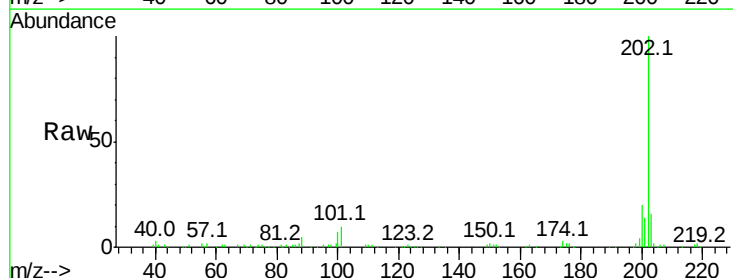
Tgt Ion:202 Resp: 145612

Ion Ratio Lower Upper

202 100

101 9.5 0.0 34.6

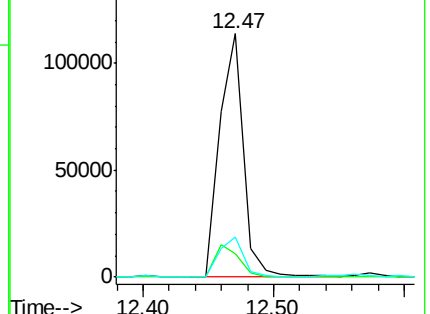
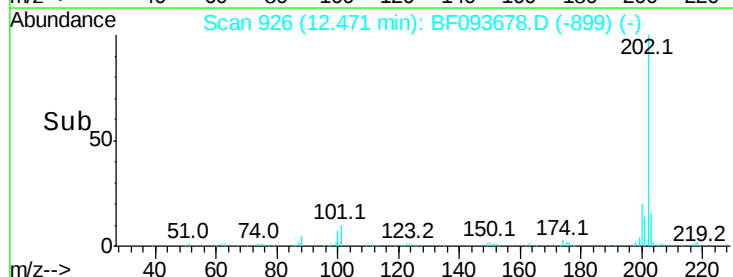
203 16.4 0.0 38.7

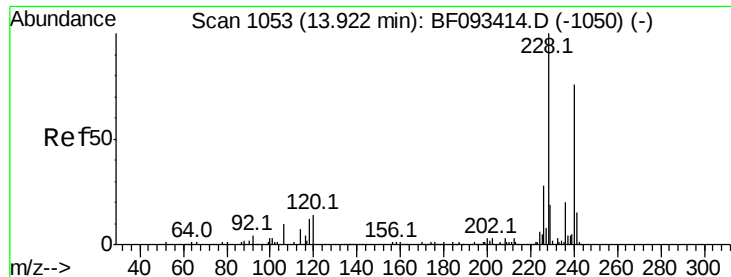


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF093678.D

Acq: 15 Mar 2017 19:59

Instrument :

BNA_F

ClientSampleId :

E2-DD8-BASE

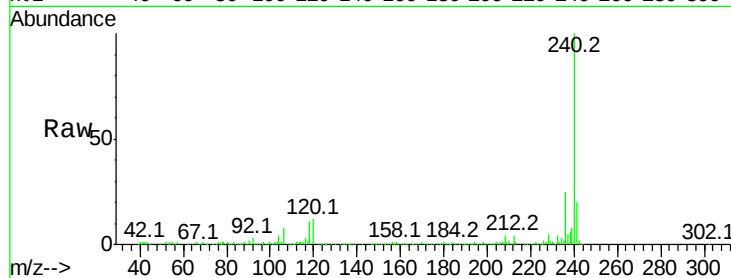
Tot Ion:240 Resp: 320820

Ion Ratio Lower Upper

240 100

120 12.2 12.9 19.3#

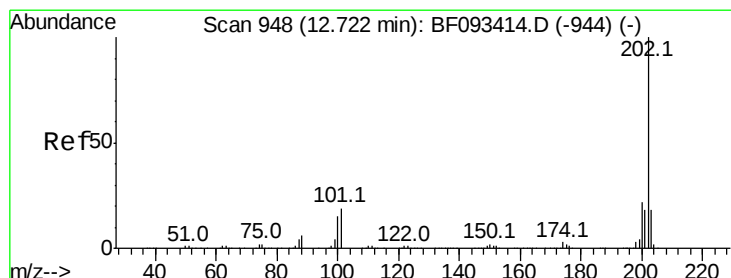
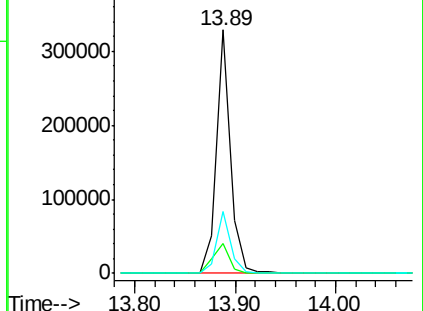
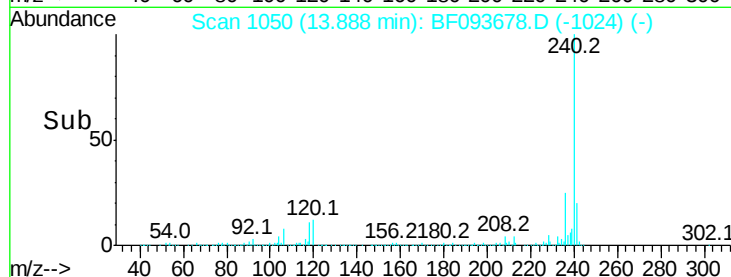
236 25.4 20.9 31.3



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: 5.85 ng

RT: 12.69 min Scan# 945

Delta R.T. 0.01 min

Lab File: BF093678.D

Acq: 15 Mar 2017 19:59

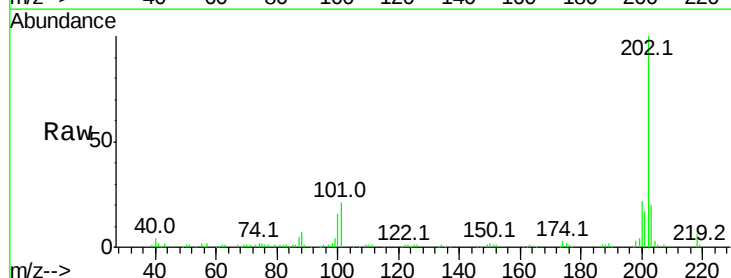
Tgt Ion:202 Resp: 136446

Ion Ratio Lower Upper

202 100

200 21.7 17.7 26.5

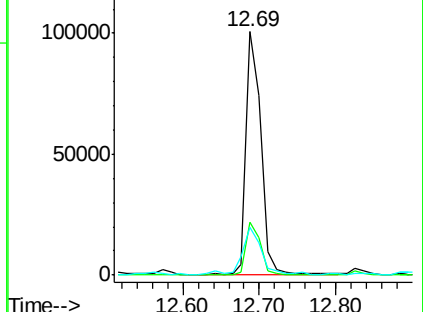
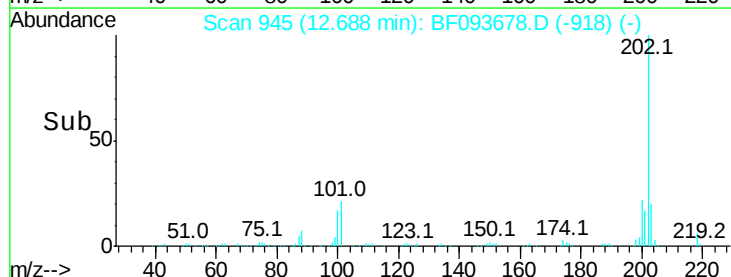
203 19.7 14.7 22.1

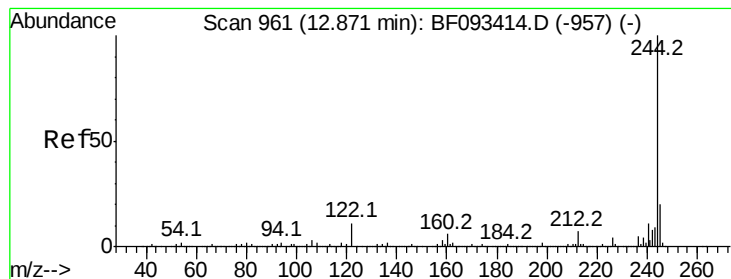


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 77.54 ng

RT: 12.83 min Scan# 957

Delta R.T. 0.00 min

Lab File: BF093678.D

Acq: 15 Mar 2017 19:59

Instrument :

BNA_F

ClientSampleId :

E2-DD8-BASE

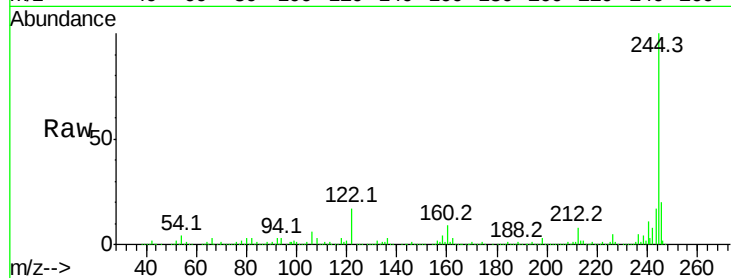
Tot Ion:244 Resp: 956783

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

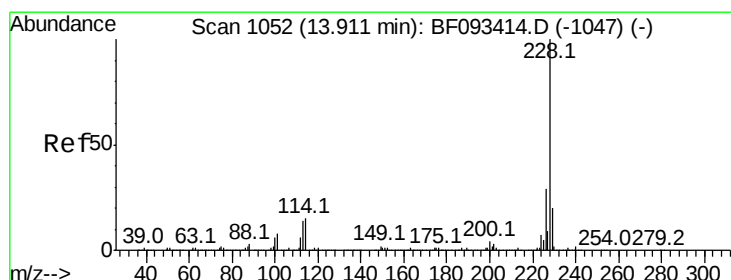
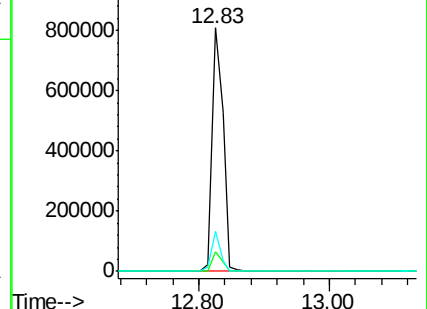
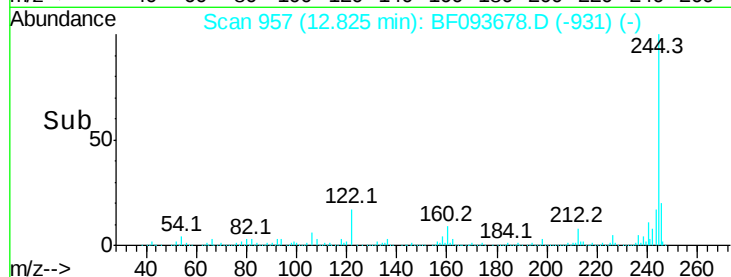
122 16.6 11.4 17.2



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: 3.65 ng

RT: 13.88 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF093678.D

Acq: 15 Mar 2017 19:59

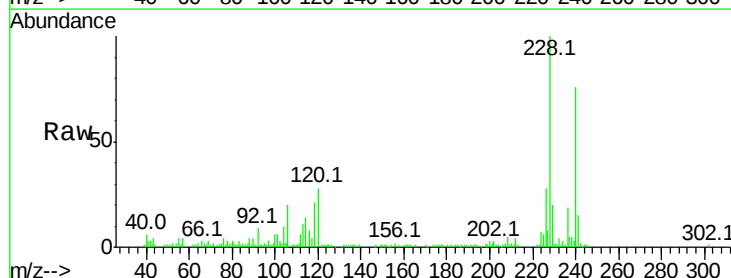
Tgt Ion:228 Resp: 69112

Ion Ratio Lower Upper

228 100

226 28.5 22.4 33.6

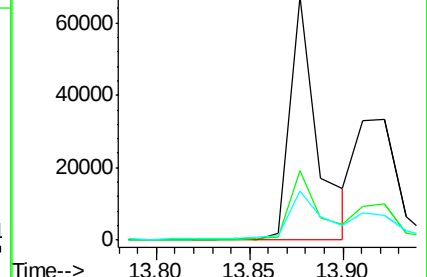
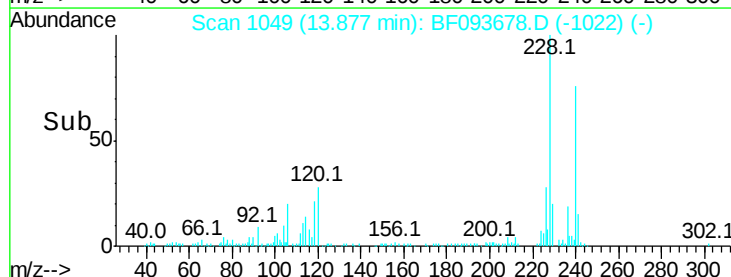
229 20.2 16.2 24.4

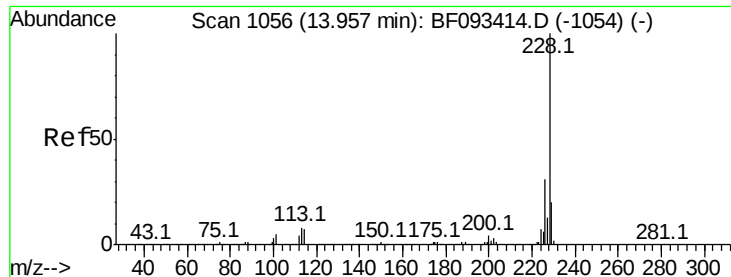


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.93 ng

RT: 13.92 min Scan# 1053

Delta R.T. 0.01 min

Lab File: BF093678.D

Acq: 15 Mar 2017 19:59

Instrument :

BNA_F

ClientSampleId :

E2-DD8-BASE

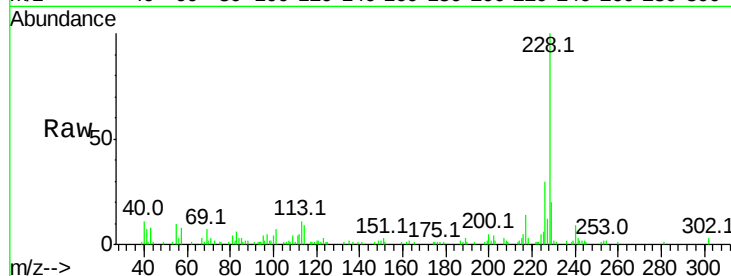
Tot Ion:228 Resp: 51371

Ion Ratio Lower Upper

228 100

226 29.8 25.4 38.0

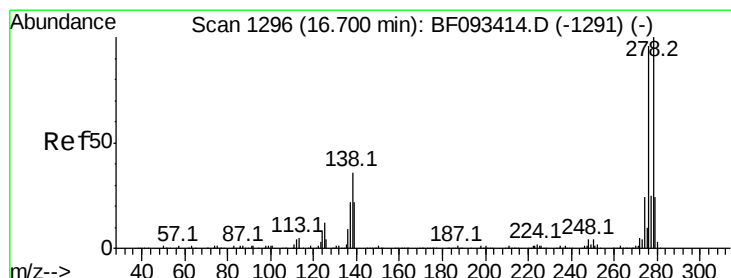
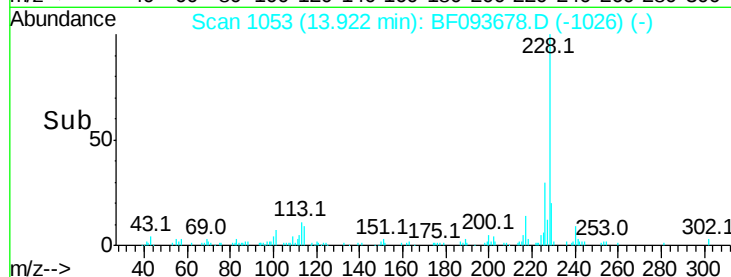
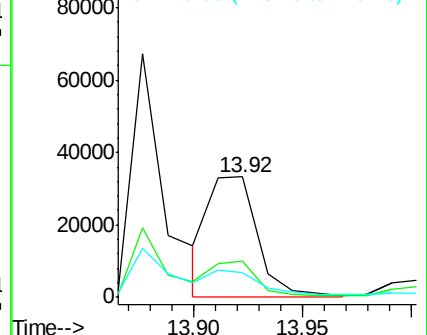
229 20.4 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.88 ng

RT: 16.67 min Scan# 1293

Delta R.T. 0.05 min

Lab File: BF093678.D

Acq: 15 Mar 2017 19:59

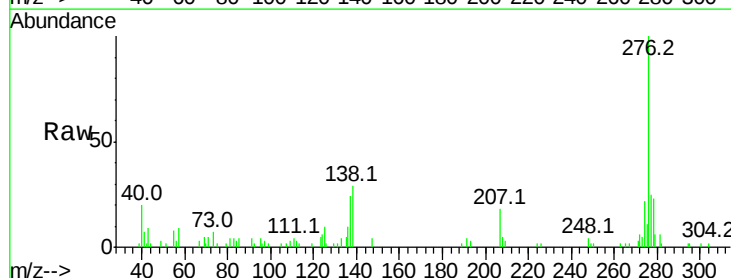
Tgt Ion:276 Resp: 42281

Ion Ratio Lower Upper

276 100

138 34.7 21.8 32.6#

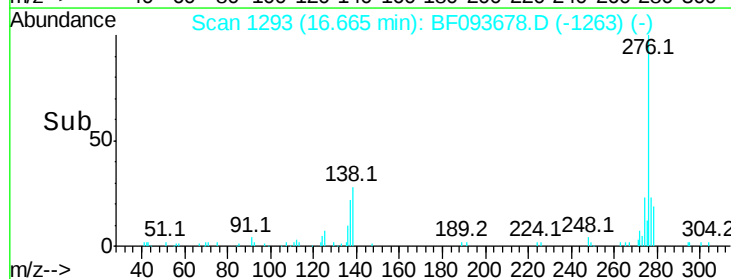
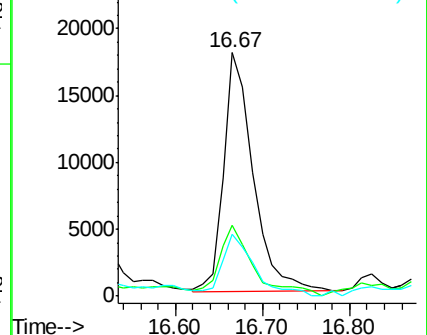
277 28.1 20.2 30.4

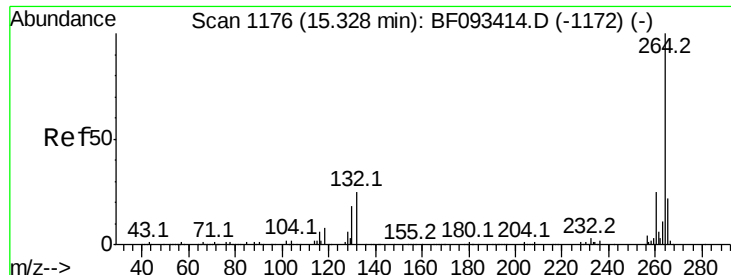


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

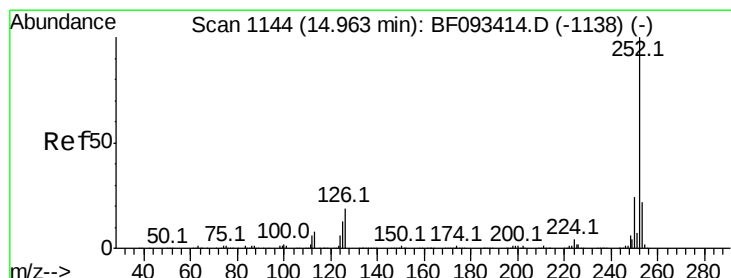
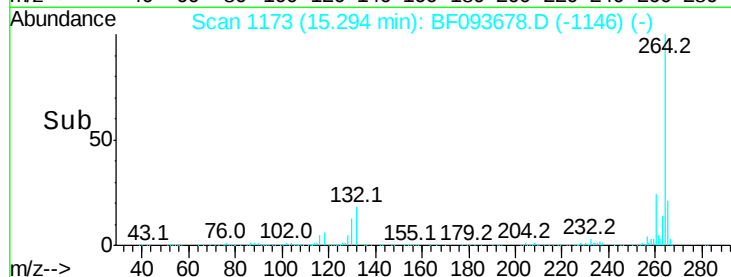
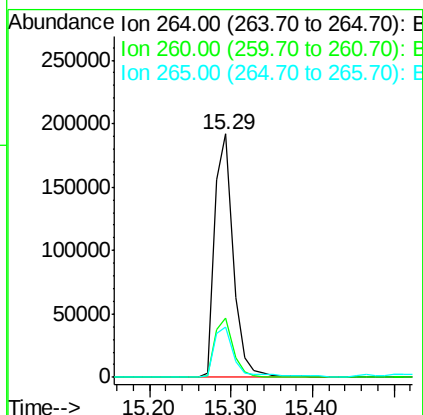
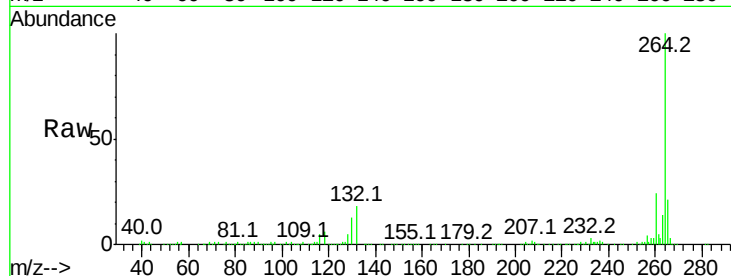




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BF093678.D
Acq: 15 Mar 2017 19:59

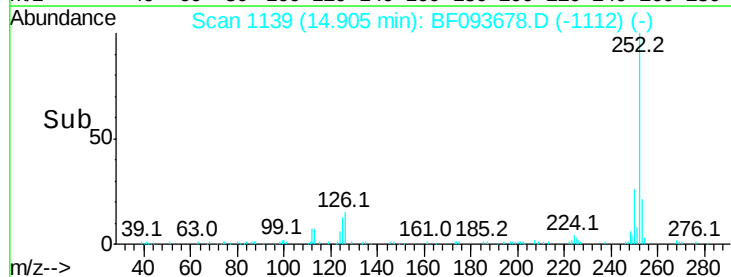
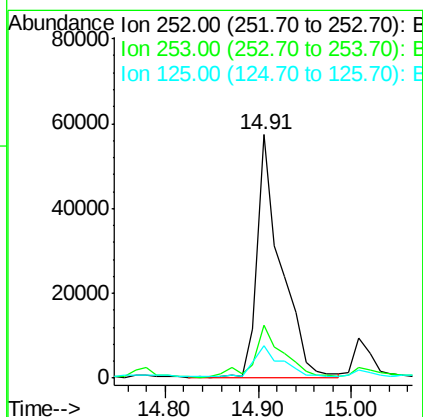
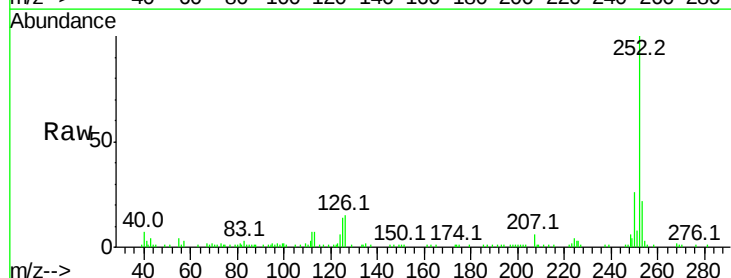
Instrument :
BNA_F
ClientSampleId :
E2-DD8-BASE

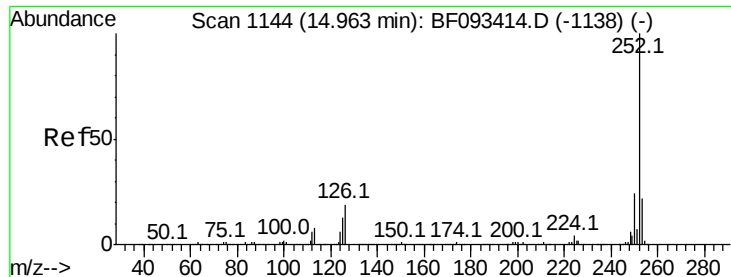
Tot Ion:264 Resp: 304604
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 20.5 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 5.50 ng
RT: 14.91 min Scan# 1139
Delta R.T. 0.01 min
Lab File: BF093678.D
Acq: 15 Mar 2017 19:59

Tgt Ion:252 Resp: 102015
Ion Ratio Lower Upper
252 100
253 21.6 18.2 27.4
125 13.5 9.8 14.6

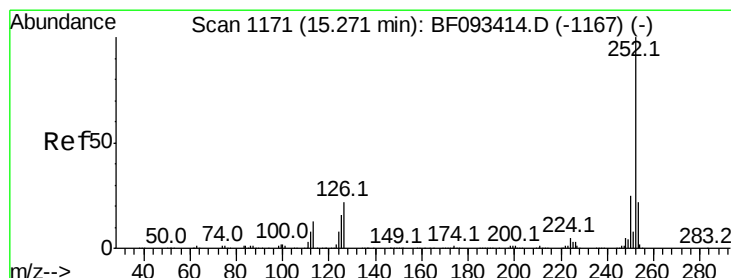
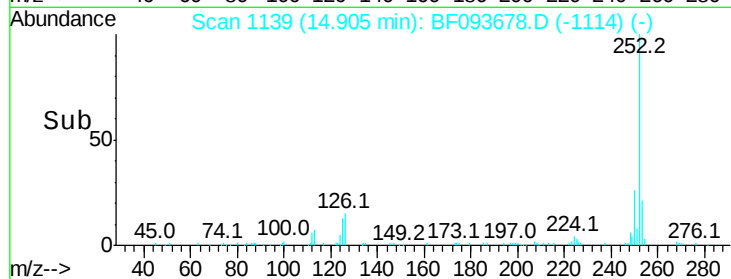
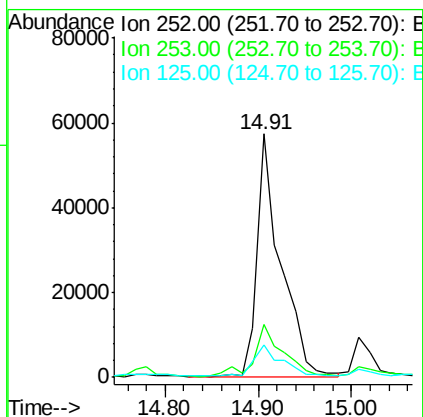
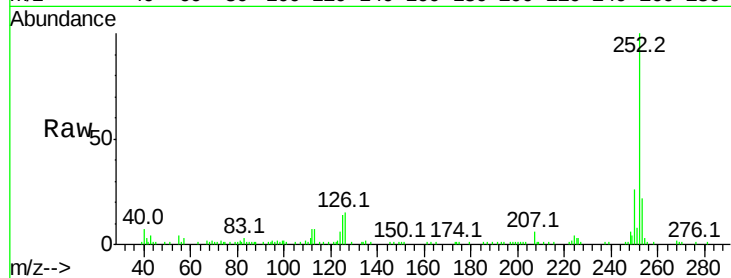




#88
Benzo(k)fluoranthene
Concen: 5.70 ng
RT: 14.91 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BF093678.D
Acq: 15 Mar 2017 19:59

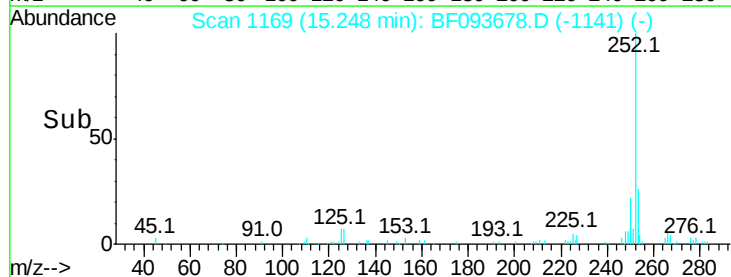
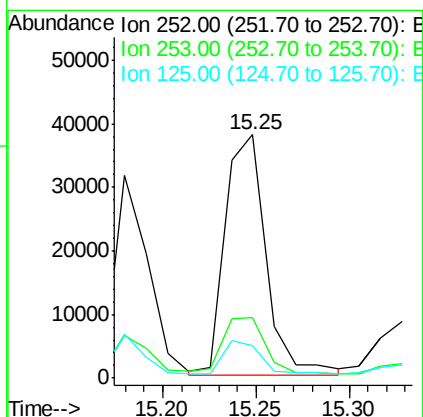
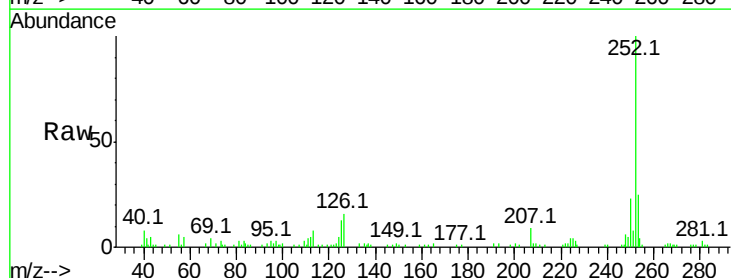
Instrument :
BNA_F
ClientSampleId :
E2-DD8-BASE

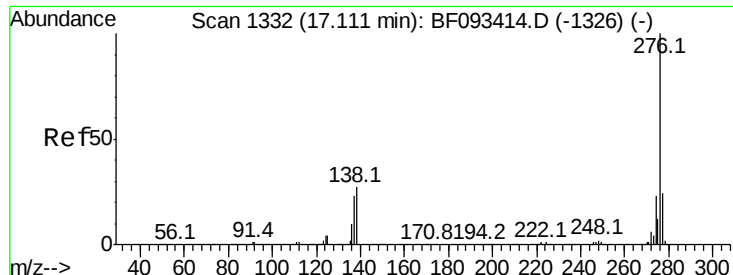
Tot Ion:252 Resp: 102015
Ion Ratio Lower Upper
252 100
253 21.6 18.5 27.7
125 13.5 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 3.44 ng
RT: 15.25 min Scan# 1169
Delta R.T. 0.02 min
Lab File: BF093678.D
Acq: 15 Mar 2017 19:59

Tgt Ion:252 Resp: 58407
Ion Ratio Lower Upper
252 100
253 25.0 18.2 27.2
125 13.4 10.0 15.0





#91

Benzo(a,h,i)perylene

Concen: 3.31 ng

RT: 17.08 min Scan# 1329

Delta R.T. 0.06 min

Lab File: BF093678.D

Acq: 15 Mar 2017 19:59

Instrument :

BNA_F

ClientSampleId :

E2-DD8-BASE

Tot Ion: 276 Resp: 47629

Ion Ratio Lower Upper

276 100

277 24.5 19.2 28.8

138 30.1 16.0 24.0#

