

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031517\
 Data File : BF093677.D
 Acq On : 15 Mar 2017 19:31
 Operator : SJ/MA
 Sample : I2264-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-CC6-WSW

Quant Time: Mar 16 01:42:52 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	175817	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	710255	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	329370	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	555542	20.00	ng	0.00
75) Chrysene-d12	13.89	240	359914	20.00	ng	0.00
86) Perylene-d12	15.28	264	319823	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	1167778	110.54	ng	-0.01
7) Phenol-d6	6.37	99	1545532	116.02	ng	-0.01
23) Nitrobenzene-d5	7.28	82	992571	77.54	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	254274	118.49	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1473920	83.24	ng	-0.01
78) Terphenyl-d14	12.83	244	1157184	83.59	ng	0.00

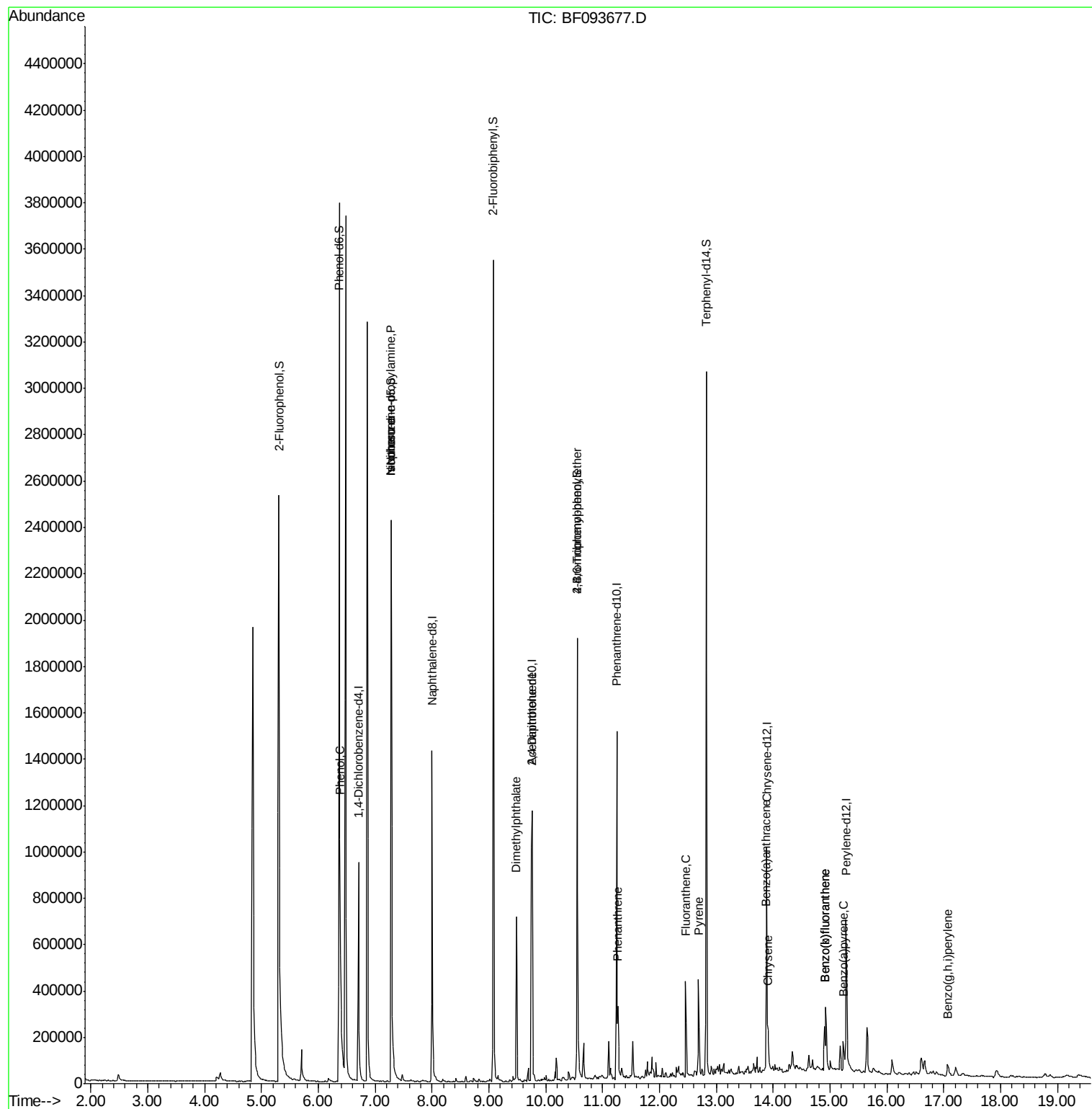
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.37	77	3423	Below Cal	#	18
10) Phenol	6.38	94	118452	7.26	ng	91
19) n-Nitroso-di-n-propylamine	7.28	70	130423	14.24	ng	85
25) Isophorone	7.28	82	982725	38.07	ng	65
49) Dimethylphthalate	9.49	163	301025	13.79	ng	99
56) 2,4-Dinitrotoluene	9.76	165	41755	7.09	ng	21
66) 4-Bromophenyl-phenylether	10.55	248	17277	2.94	ng	1
70) Phenanthrene	11.27	178	136295	4.30	ng	96
74) Fluoranthene	12.46	202	203847	6.66	ng	97
77) Pyrene	12.69	202	187241	7.15	ng	98
80) Benzo(a)anthracene	13.88	228	86184	4.05	ng	99
82) Chrysene	13.91	228	67771	3.45	ng	98
87) Benzo(b)fluoranthene	14.91	252	126741	6.51	ng	98
88) Benzo(k)fluoranthene	14.91	252	126741	6.75	ng	# 96
89) Benzo(a)pyrene	15.24	252	65859	3.70	ng	# 96
91) Benzo(g,h,i)perylene	17.07	276	49013	3.24	ng	# 84

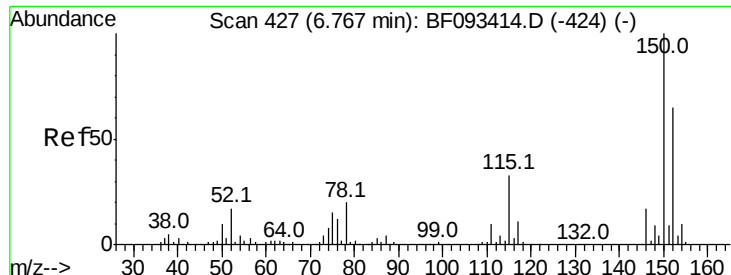
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF093677.D

Acq: 15 Mar 2017 19:31

Instrument :

BNA_F

ClientSampleId :

E2-CC6-WSW

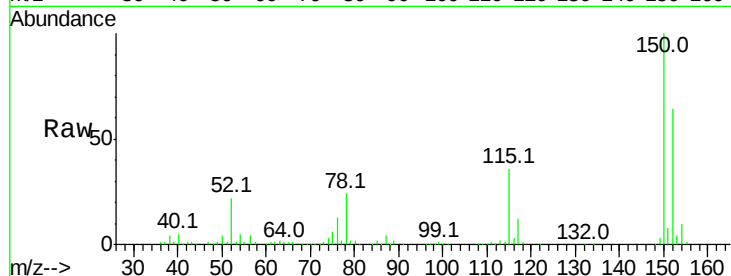
Tot Ion:152 Resp: 175817

Ion Ratio Lower Upper

152 100

150 156.8 124.9 187.3

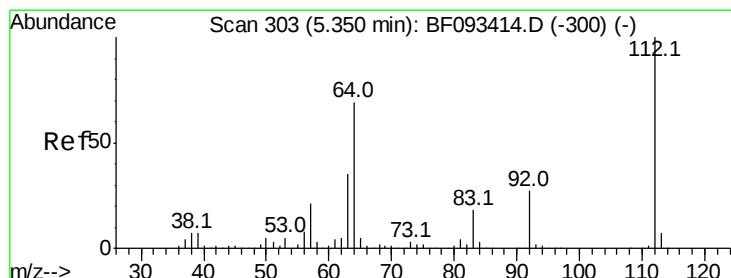
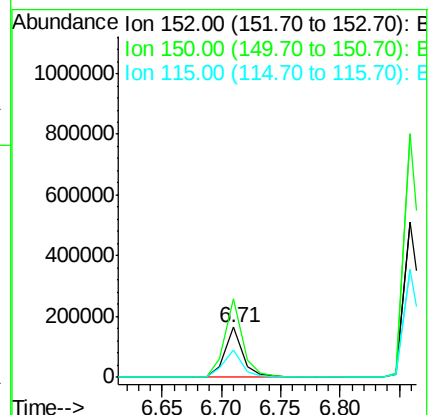
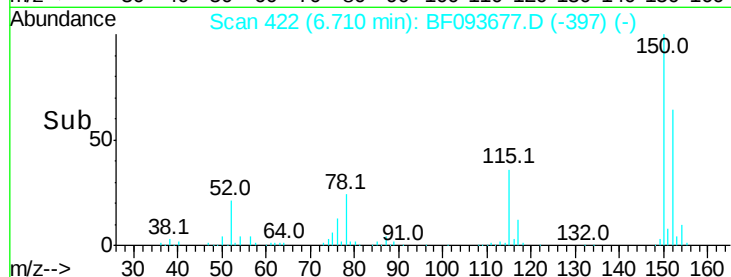
115 55.9 46.0 69.0



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: 110.54 ng

RT: 5.30 min Scan# 299

Delta R.T. -0.01 min

Lab File: BF093677.D

Acq: 15 Mar 2017 19:31

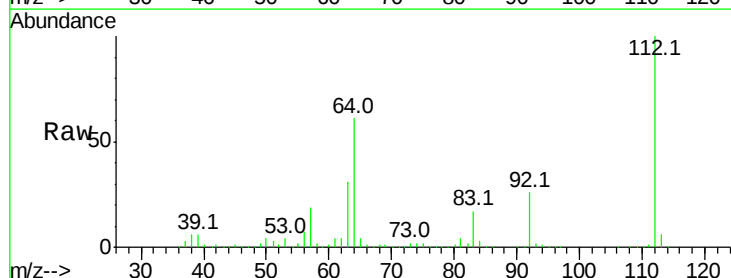
Tgt Ion:112 Resp: 1167778

Ion Ratio Lower Upper

112 100

64 60.8 46.1 69.1

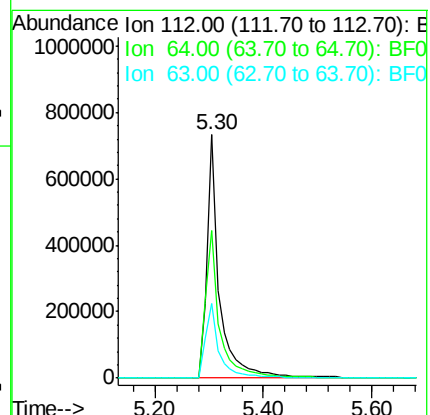
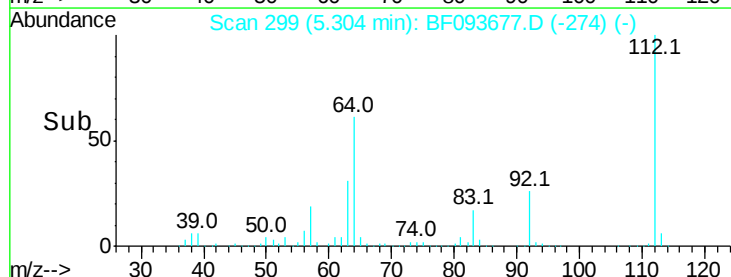
63 30.5 23.8 35.6

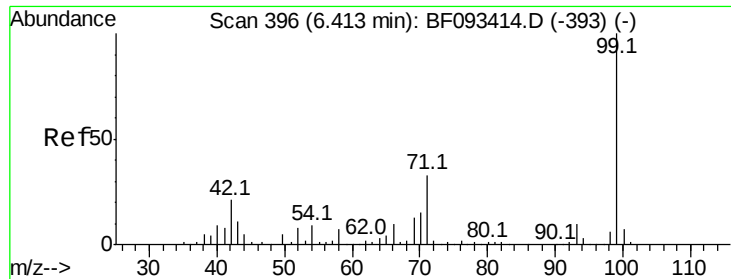


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 116.02 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.01 min

Lab File: BF093677.D

Acq: 15 Mar 2017 19:31

Instrument :

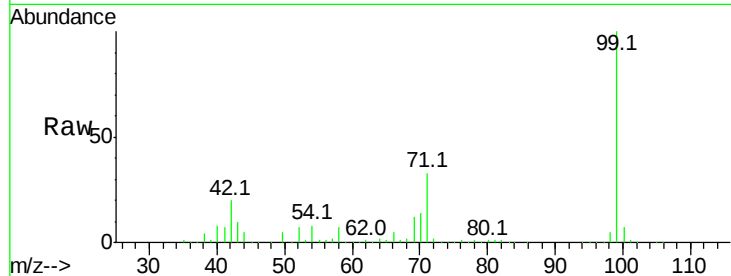
BNA_F

ClientSampleId :

E2-CC6-WSW

Tot Ion: 99 Resp: 1545532

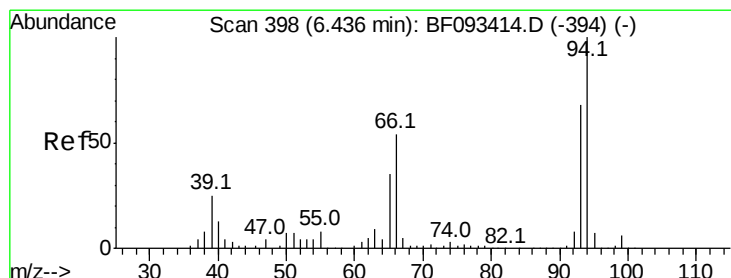
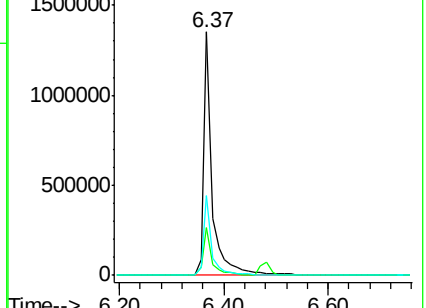
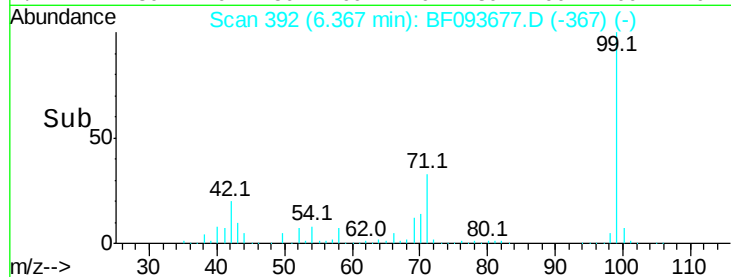
Ion	Ratio	Lower	Upper
99	100		
42	19.6	15.6	23.4
71	32.8	27.5	41.3



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: 7.26 ng

RT: 6.38 min Scan# 393

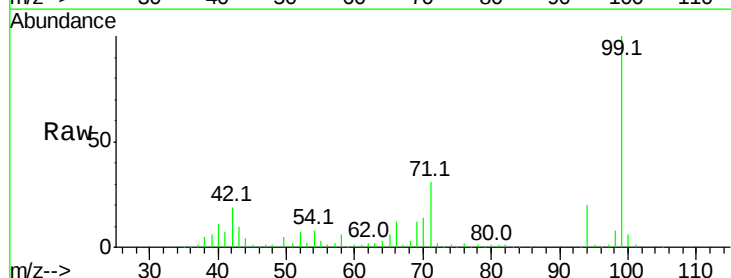
Delta R.T. -0.02 min

Lab File: BF093677.D

Acq: 15 Mar 2017 19:31

Tgt Ion: 94 Resp: 118452

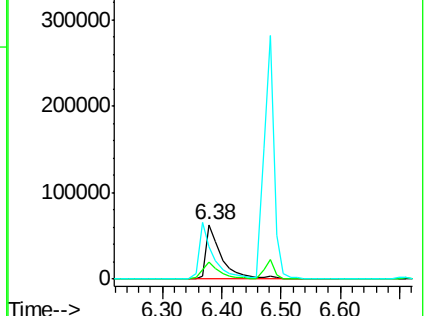
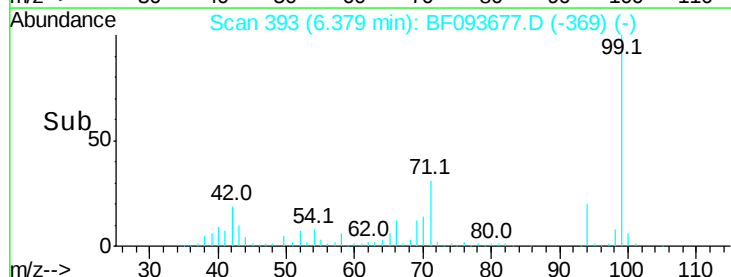
Ion	Ratio	Lower	Upper
94	100		
65	32.1	21.4	61.4
66	59.8	44.0	84.0

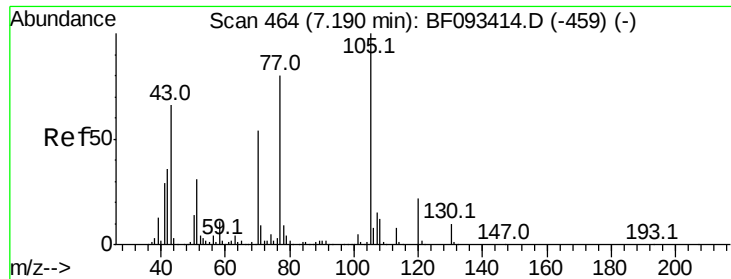


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

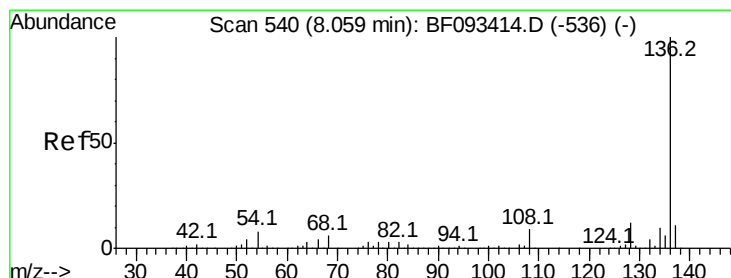
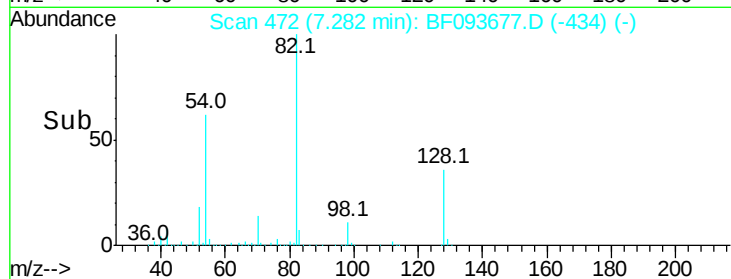
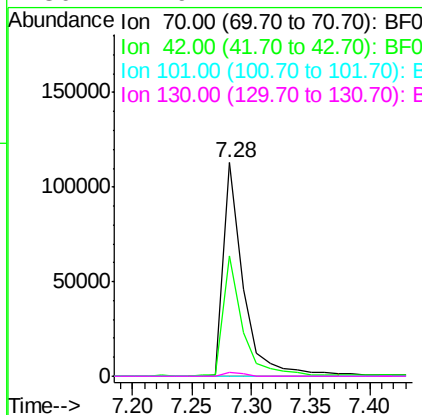
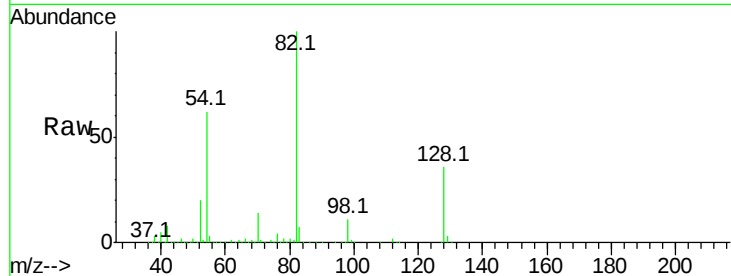




#19
n-Nitroso-di-n-propylamine
Concen: 14.24 ng
RT: 7.28 min Scan# 472
Delta R.T. 0.14 min
Lab File: BF093677.D
Acq: 15 Mar 2017 19:31

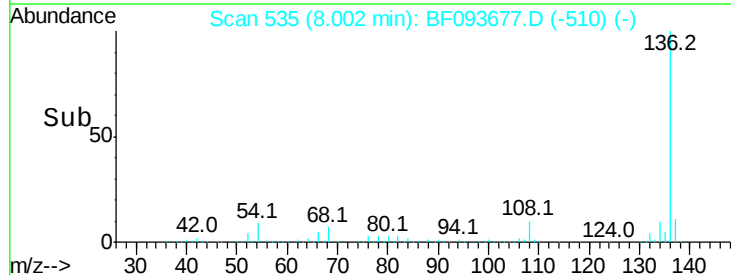
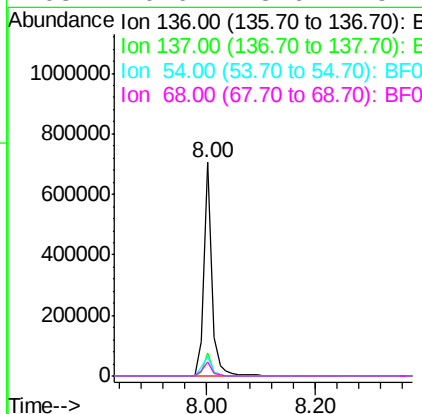
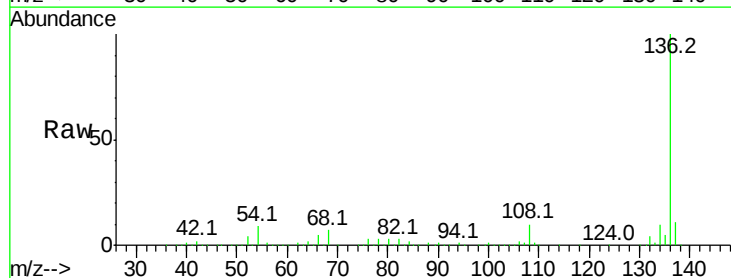
Instrument :
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E2-CC6-WSW

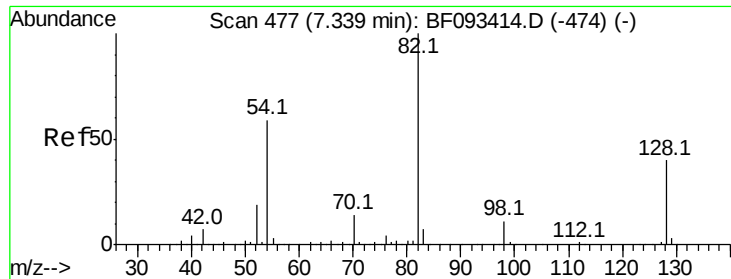
Tot Ion: 70 Resp: 130423
Ion Ratio Lower Upper
70 100
42 56.1 49.4 74.0
101 0.0 7.4 11.2#
130 1.9 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093677.D
Acq: 15 Mar 2017 19:31

Tgt Ion:136 Resp: 710255
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 9.1 4.5 6.7#
68 6.6 3.6 5.4#

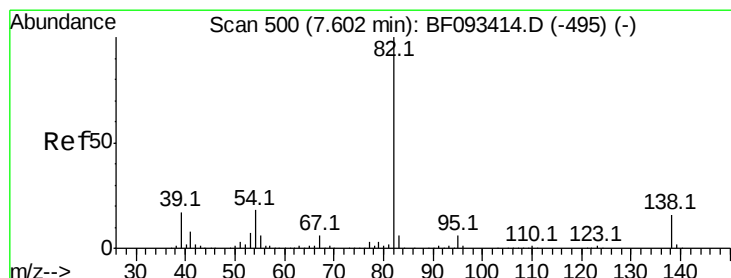
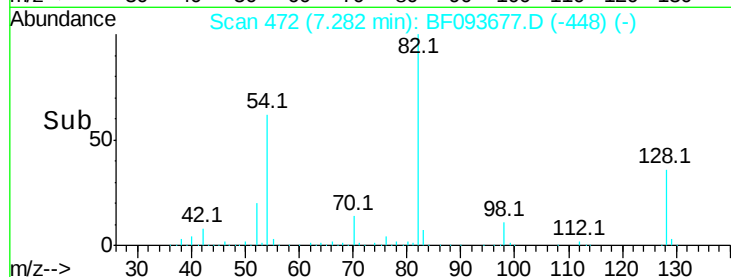
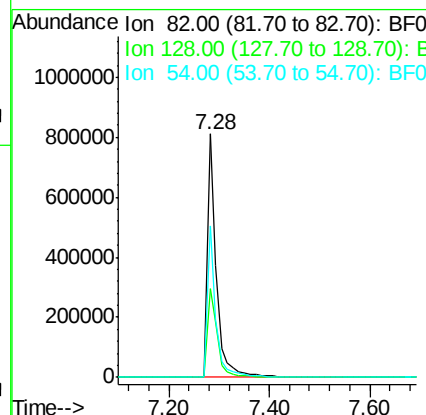
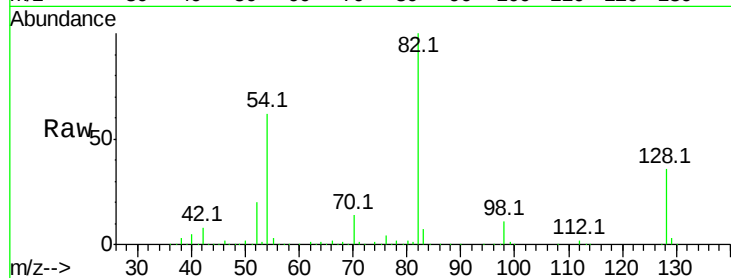




#23
 Nitrobenzene-d5
 Concen: 77.54 ng
 RT: 7.28 min Scan# 472
 Delta R.T. -0.02 min
 Lab File: BF093677.D
 Acq: 15 Mar 2017 19:31

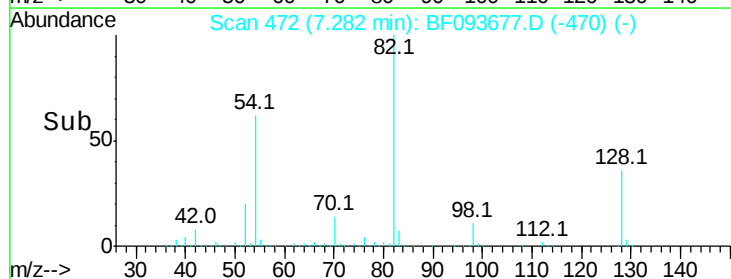
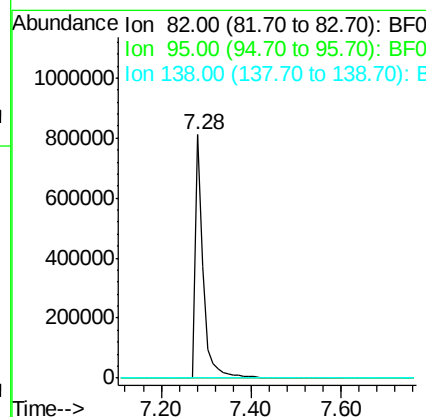
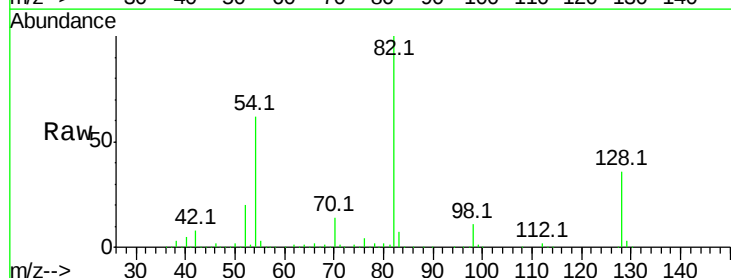
Instrument :
 BNA_F
 ClientSampleId :
 E2-CC6-WSW

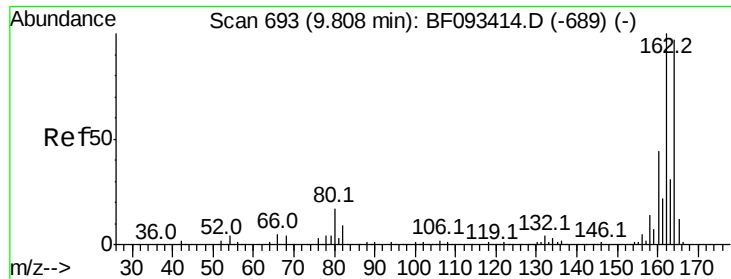
Tot Ion	Ratio	Lower	Upper
82	100		
128	36.2	34.6	52.0
54	62.2	39.5	59.3



#25
 Isophorone
 Concen: 38.07 ng
 RT: 7.28 min Scan# 472
 Delta R.T. -0.27 min
 Lab File: BF093677.D
 Acq: 15 Mar 2017 19:31

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4
138	0.0	14.6	22.0

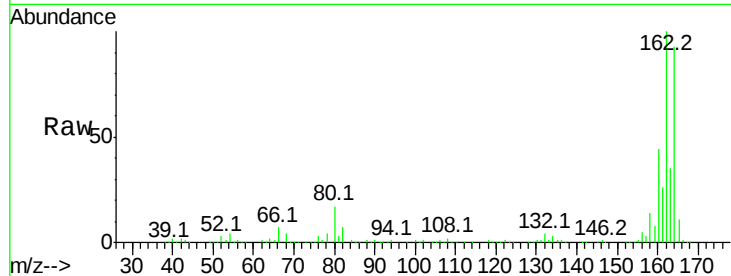




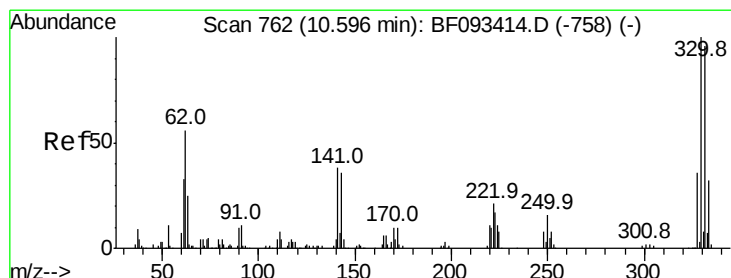
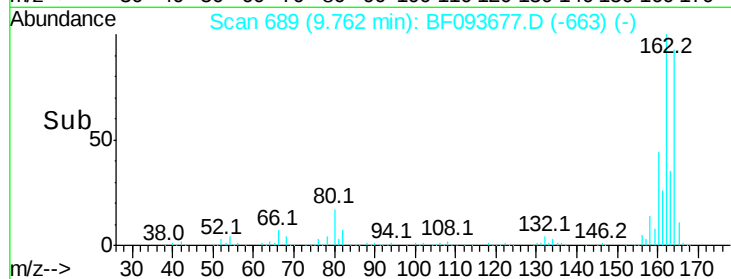
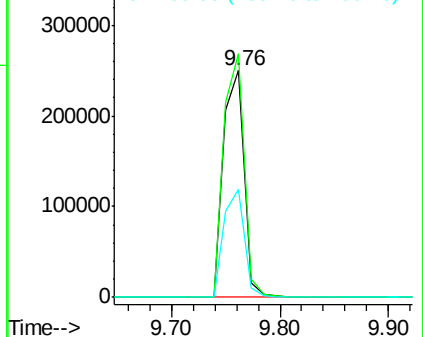
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.76 min Scan# 689
Delta R.T. -0.00 min
Lab File: BF093677.D
Acq: 15 Mar 2017 19:31

Instrument :
BNA_F
ClientSampleId :
E2-CC6-WSW

Tot Ion:164 Resp: 329370
Ion Ratio Lower Upper
164 100
162 107.3 80.2 120.2
160 47.6 36.9 55.3

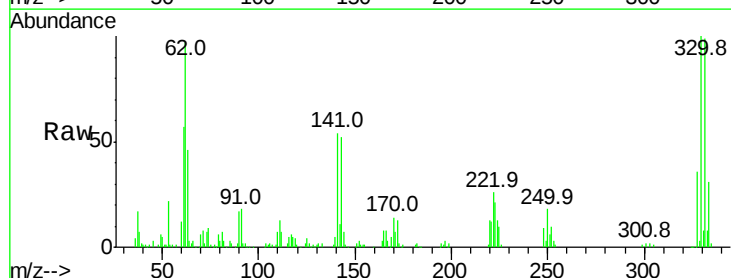


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

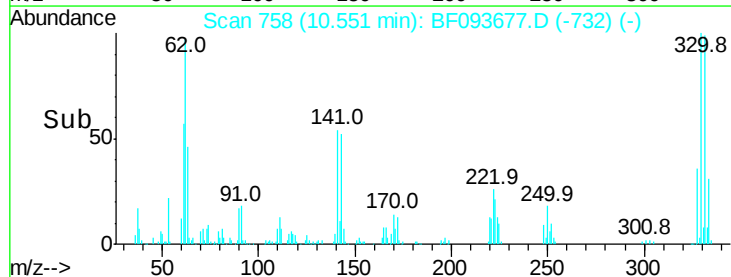
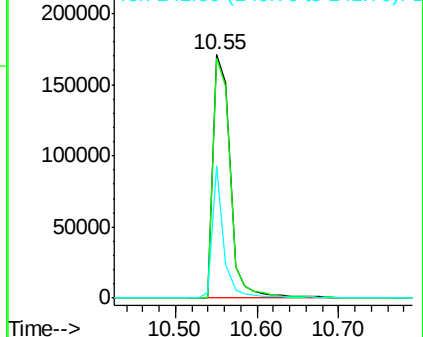


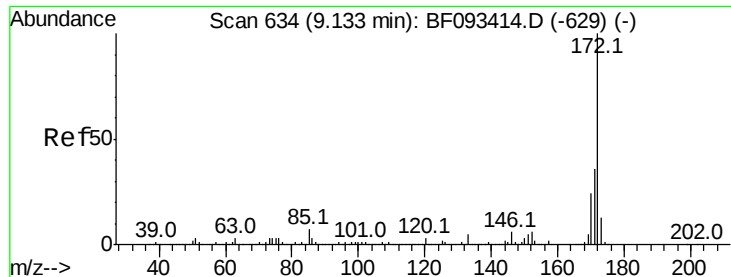
#41
2,4,6-Tribromophenol
Concen: 118.49 ng
RT: 10.55 min Scan# 758
Delta R.T. -0.00 min
Lab File: BF093677.D
Acq: 15 Mar 2017 19:31

Tgt Ion:330 Resp: 254274
Ion Ratio Lower Upper
330 100
332 99.4 77.4 116.2
141 36.5 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: 83.24 ng

RT: 9.08 min Scan# 629

Delta R.T. -0.01 min

Lab File: BF093677.D

Acq: 15 Mar 2017 19:31

Instrument :

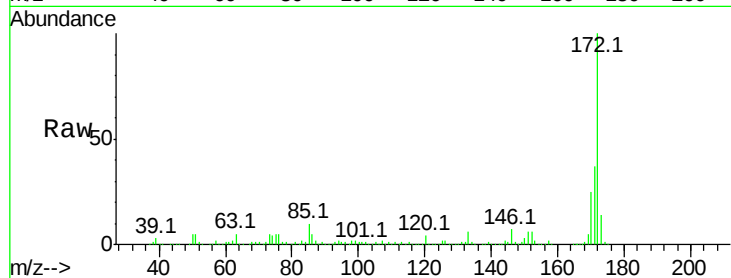
BNA_F

ClientSampleId :

E2-CC6-WSW

Tot Ion:172 Resp: 1473920

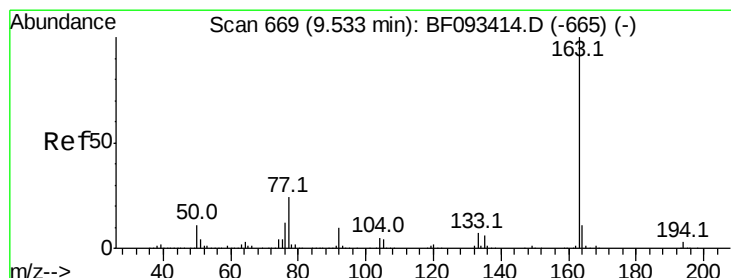
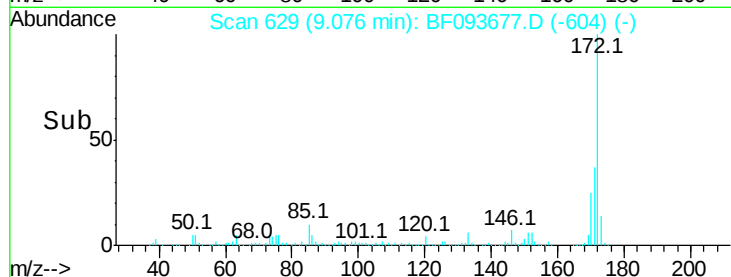
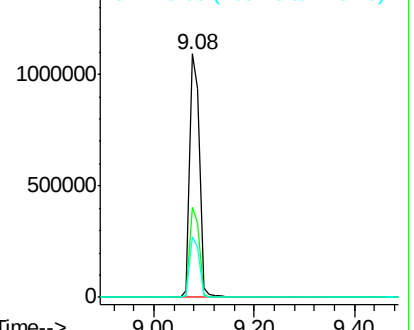
Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.4	44.0
170	24.8	20.2	30.4



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: 13.79 ng

RT: 9.49 min Scan# 665

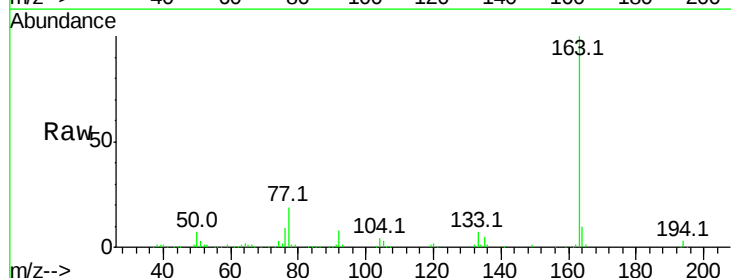
Delta R.T. -0.01 min

Lab File: BF093677.D

Acq: 15 Mar 2017 19:31

Tgt Ion:163 Resp: 301025

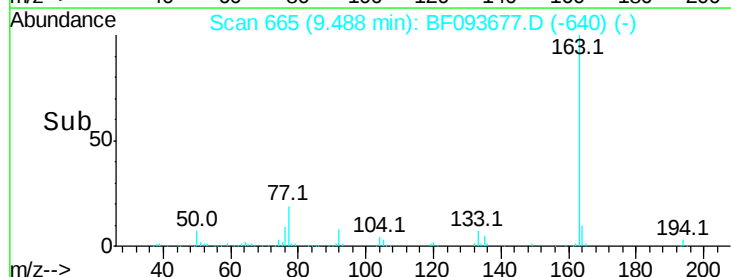
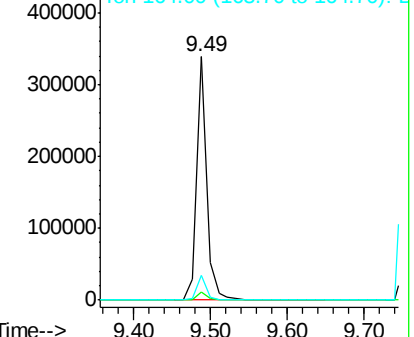
Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.4
164	10.3	8.0	12.0

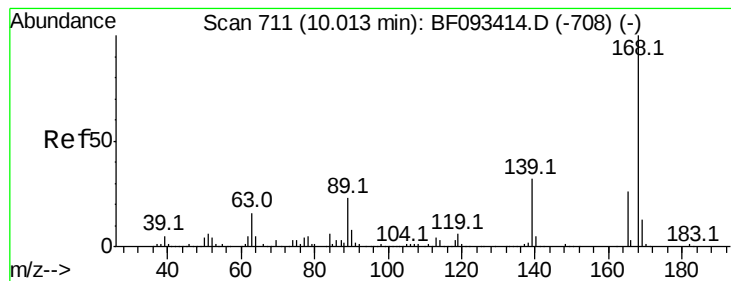


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

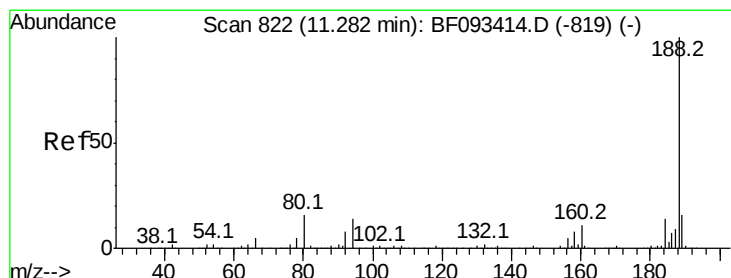
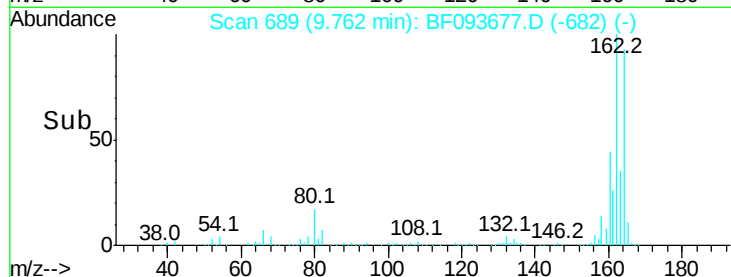
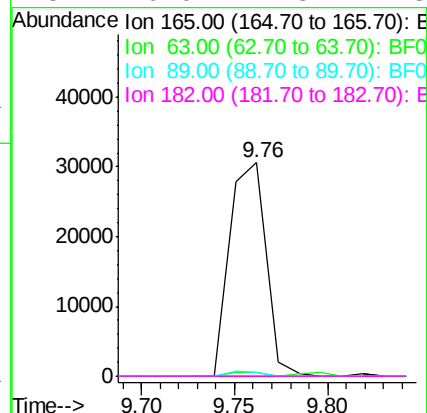
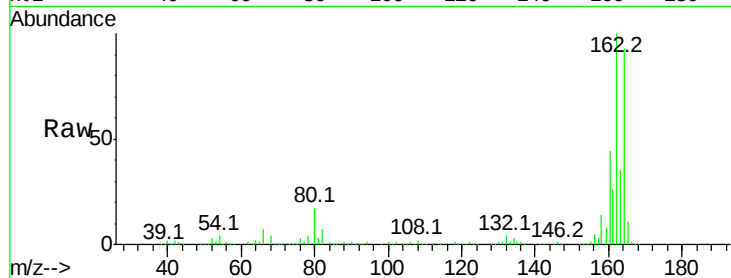




#56
 2,4-Dinitrotoluene
 Concen: 7.09 ng
 RT: 9.76 min Scan# 689
 Delta R.T. -0.22 min
 Lab File: BF093677.D
 Acq: 15 Mar 2017 19:31

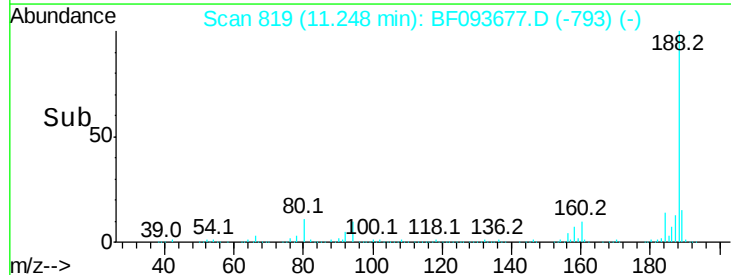
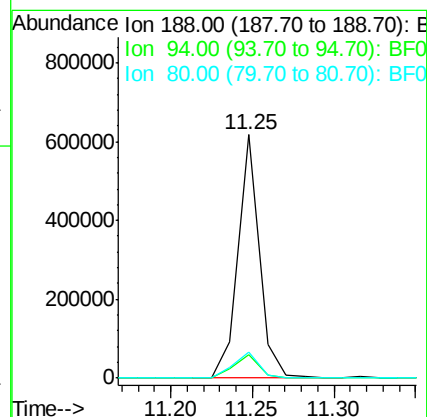
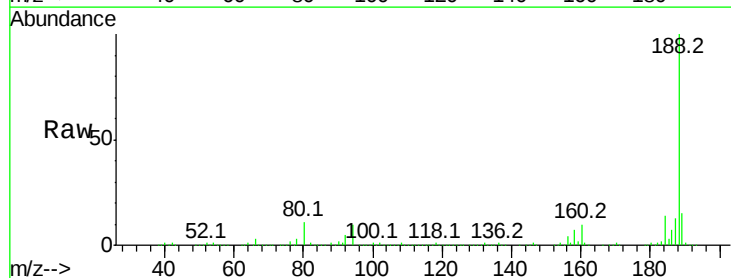
Instrument :
 BNA_F
 ClientSampleId :
 E2-CC6-WSW

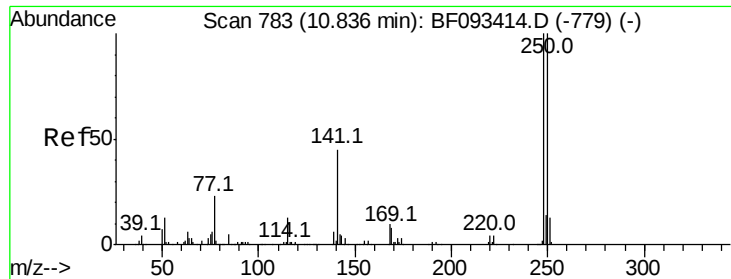
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	40.2	60.4#
89	1.8	62.5	93.7#
182	0.0	1.8	2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 819
 Delta R.T. -0.00 min
 Lab File: BF093677.D
 Acq: 15 Mar 2017 19:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	10.0	15.0#
80	10.6	11.2	16.8#

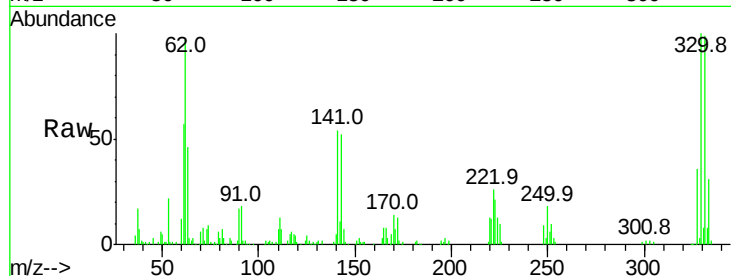




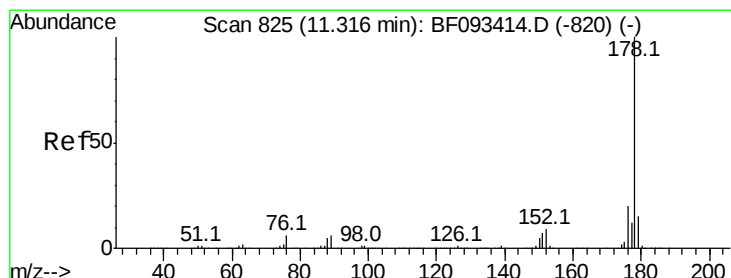
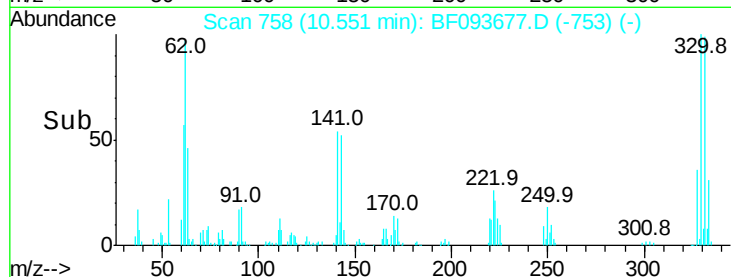
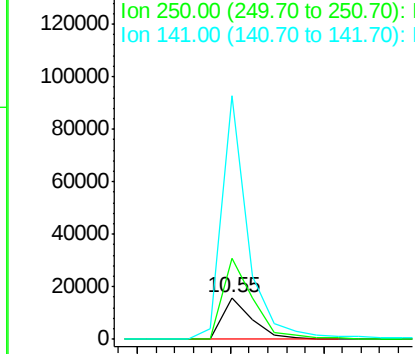
#66
 4-Bromophenyl-phenylether
 Concen: 2.94 ng
 RT: 10.55 min Scan# 758
 Delta R.T. -0.24 min
 Lab File: BF093677.D
 Acq: 15 Mar 2017 19:31

Instrument :
 BNA_F
 ClientSampleId :
 E2-CC6-WSW

Tot Ion:248 Resp: 17277
 Ion Ratio Lower Upper
 248 100
 250 193.6 76.9 115.3#
 141 586.0 68.2 102.4#

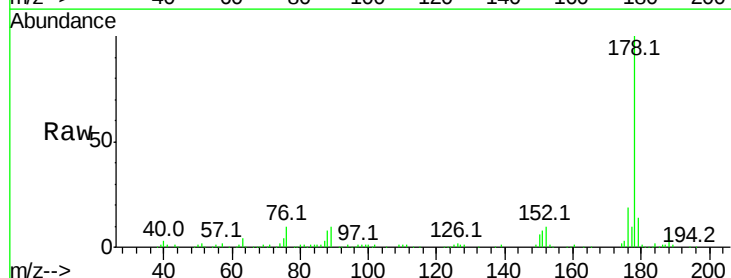


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

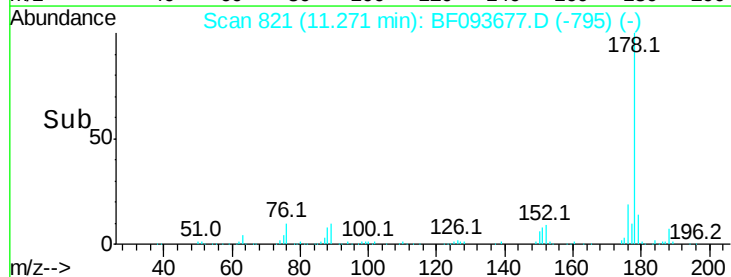
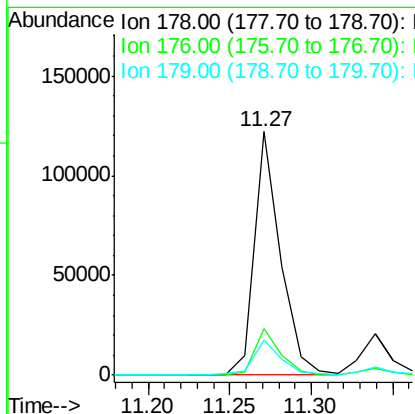


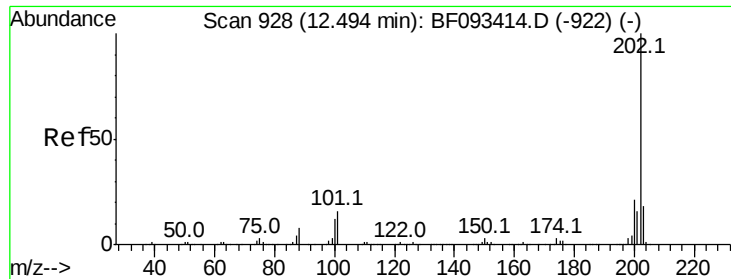
#70
 Phenanthrene
 Concen: 4.30 ng
 RT: 11.27 min Scan# 821
 Delta R.T. -0.00 min
 Lab File: BF093677.D
 Acq: 15 Mar 2017 19:31

Tgt Ion:178 Resp: 136295
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.6 25.0
 179 14.4 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





#74

Fluoranthene

Concen: 6.66 ng

RT: 12.46 min Scan# 925

Delta R.T. -0.00 min

Lab File: BF093677.D

Acq: 15 Mar 2017 19:31

Instrument :

BNA_F

ClientSampleId :

E2-CC6-WSW

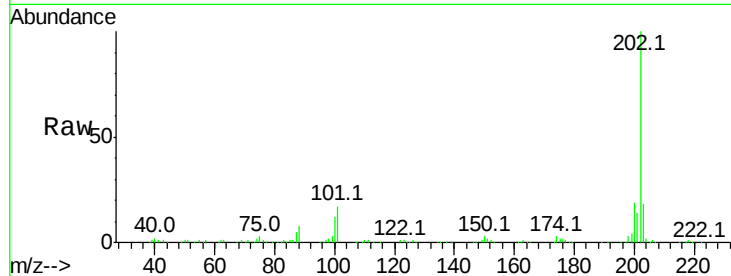
Tot Ion:202 Resp: 203847

Ion Ratio Lower Upper

202 100

101 17.3 0.0 34.6

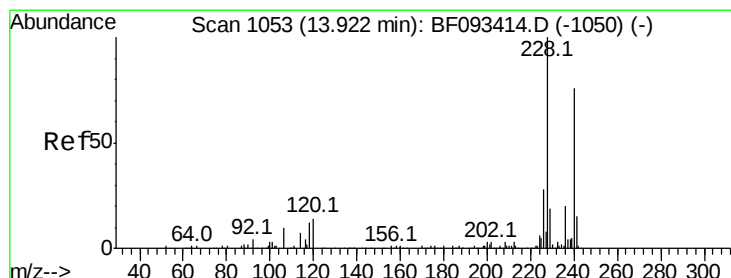
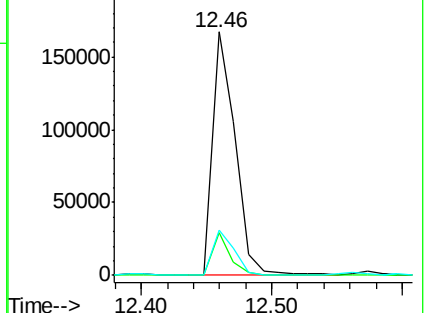
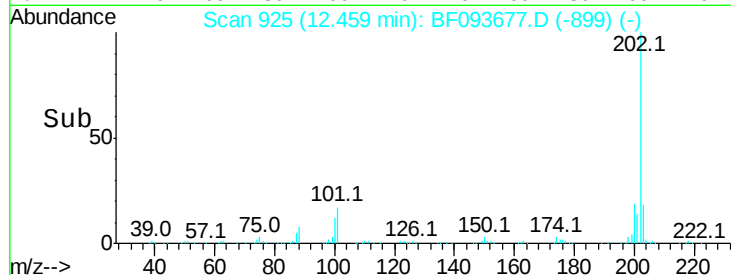
203 18.5 0.0 38.7



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: BF093677.D

Acq: 15 Mar 2017 19:31

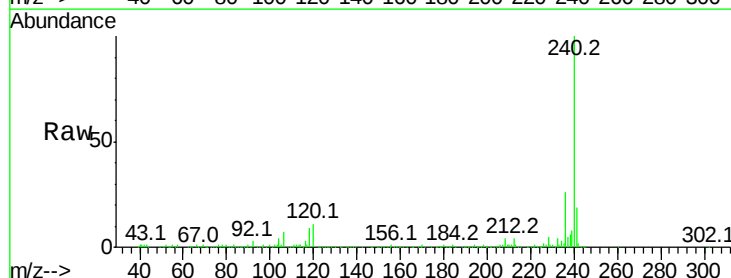
Tgt Ion:240 Resp: 359914

Ion Ratio Lower Upper

240 100

120 10.8 12.9 19.3#

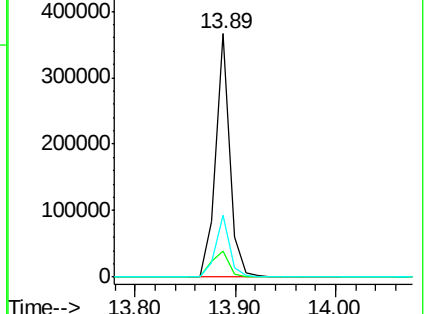
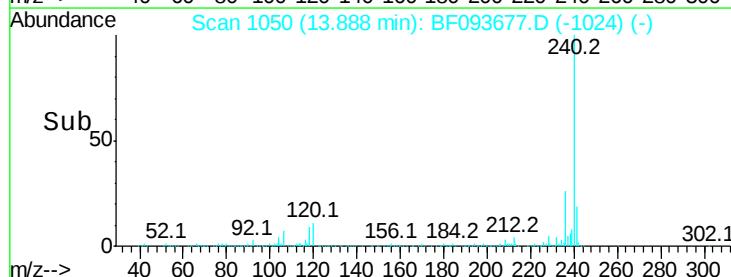
236 25.5 20.9 31.3

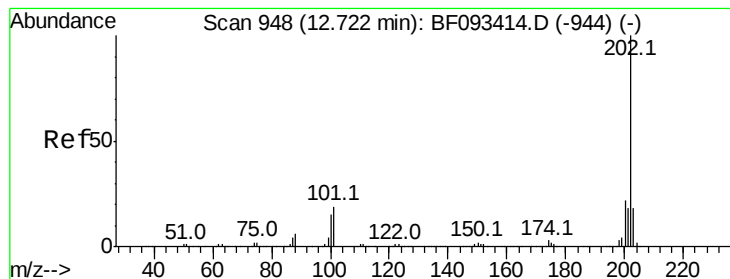


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.15 ng

RT: 12.69 min Scan# 945

Delta R.T. 0.01 min

Lab File: BF093677.D

Acq: 15 Mar 2017 19:31

Instrument :

BNA_F

ClientSampleId :

E2-CC6-WSW

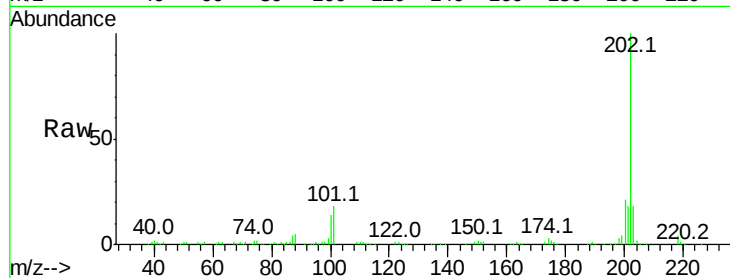
Tot Ion:202 Resp: 187241

Ion Ratio Lower Upper

202 100

200 21.1 17.7 26.5

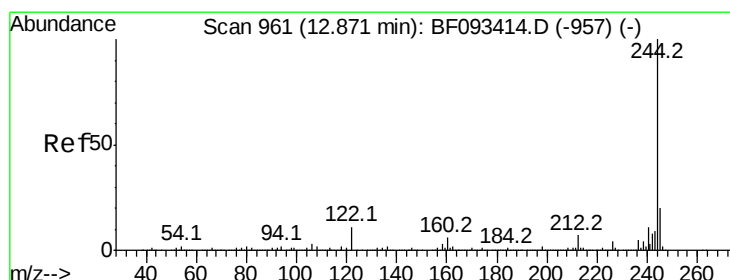
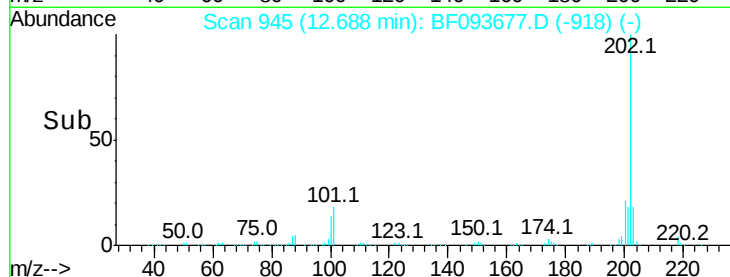
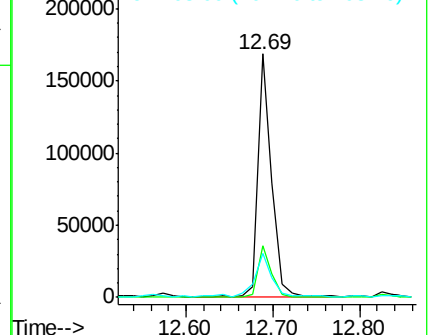
203 18.0 14.7 22.1



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: 83.59 ng

RT: 12.83 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF093677.D

Acq: 15 Mar 2017 19:31

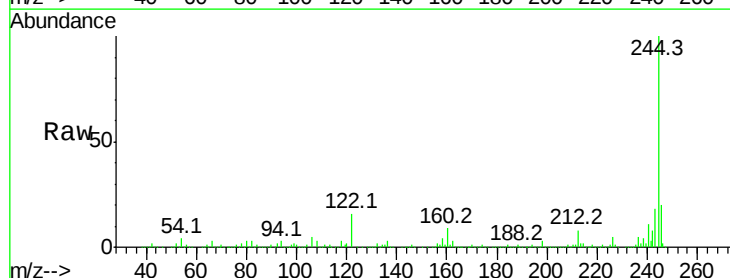
Tgt Ion:244 Resp: 1157184

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

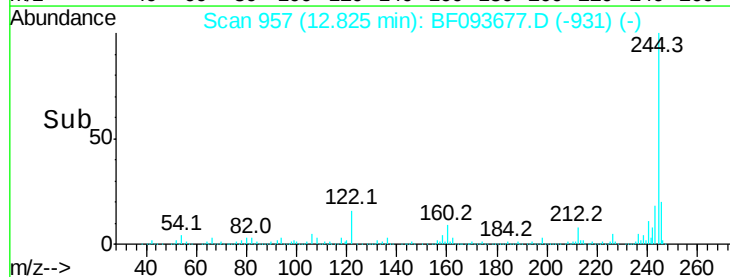
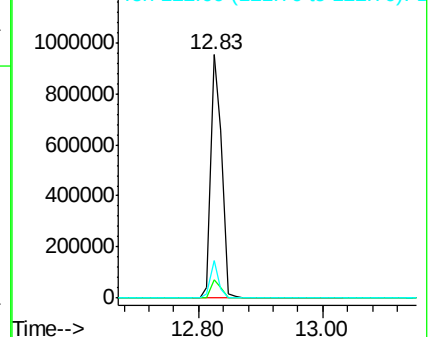
122 15.6 11.4 17.2

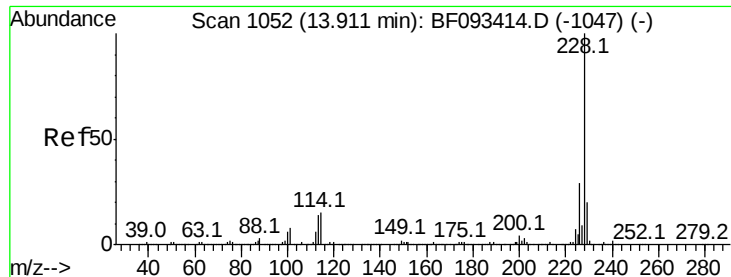


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

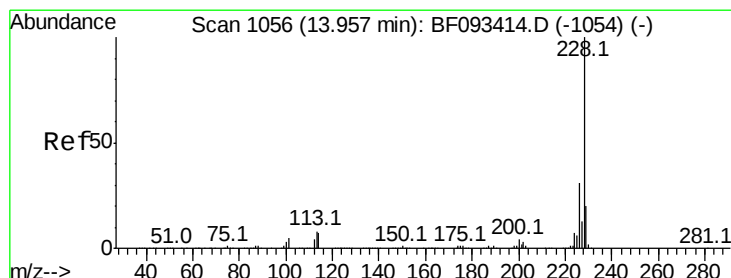
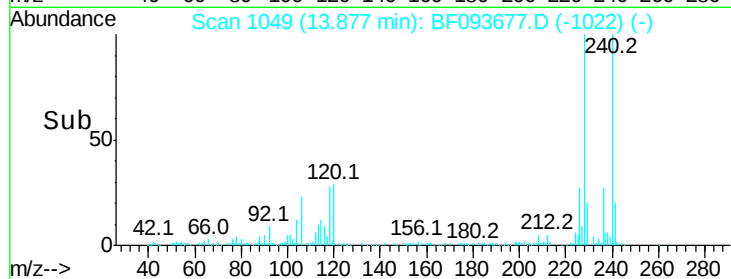
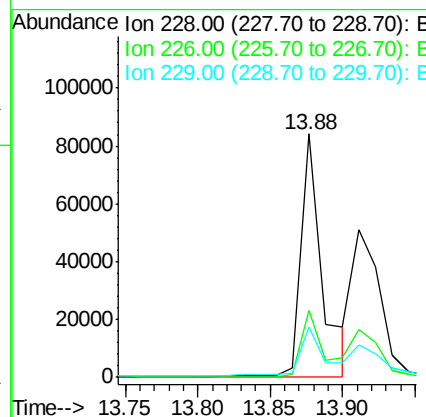
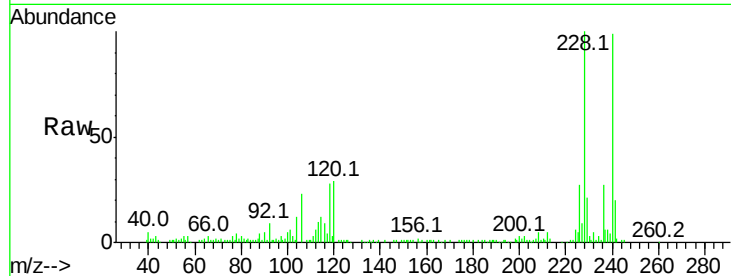




#80
Benzo(a)anthracene
Concen: 4.05 ng
RT: 13.88 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF093677.D
Acq: 15 Mar 2017 19:31

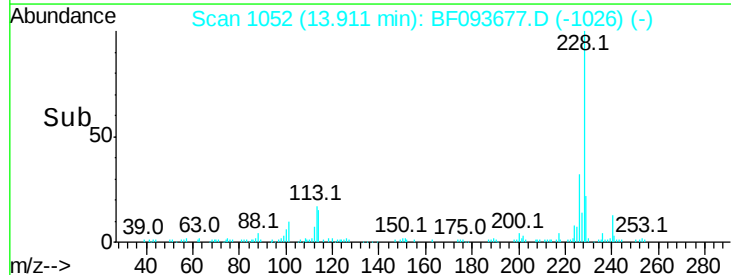
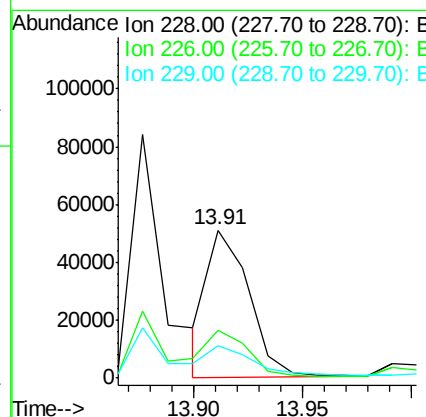
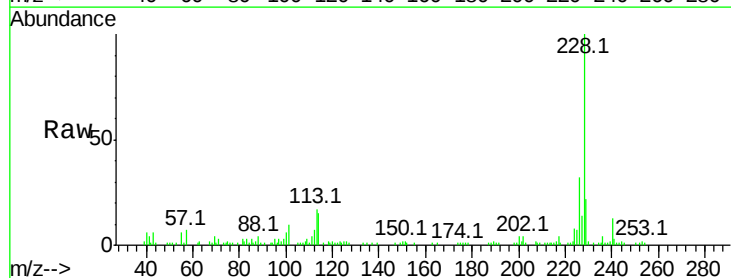
Instrument :
BNA_F
ClientSampleId :
E2-CC6-WSW

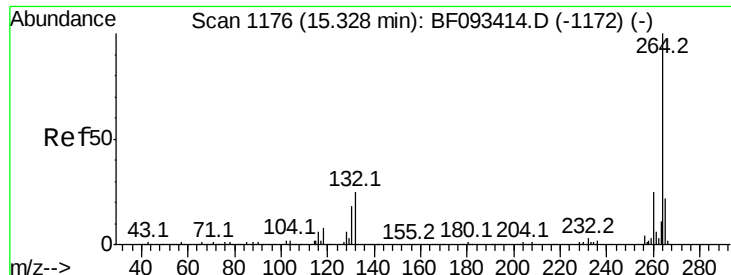
Tot Ion:228 Resp: 86184
Ion Ratio Lower Upper
228 100
226 27.4 22.4 33.6
229 20.7 16.2 24.4



#82
Chrysene
Concen: 3.45 ng
RT: 13.91 min Scan# 1052
Delta R.T. -0.00 min
Lab File: BF093677.D
Acq: 15 Mar 2017 19:31

Tgt Ion:228 Resp: 67771
Ion Ratio Lower Upper
228 100
226 32.0 25.4 38.0
229 22.0 16.2 24.2



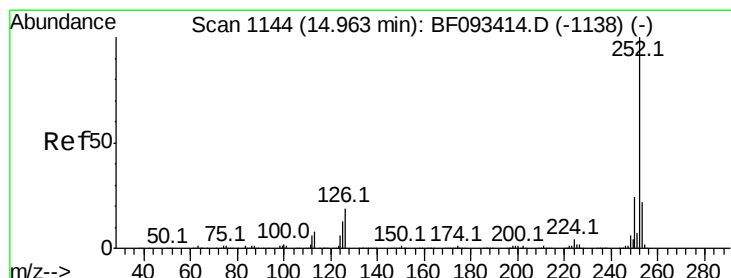
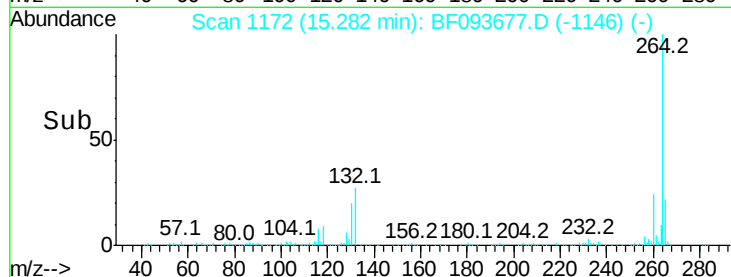
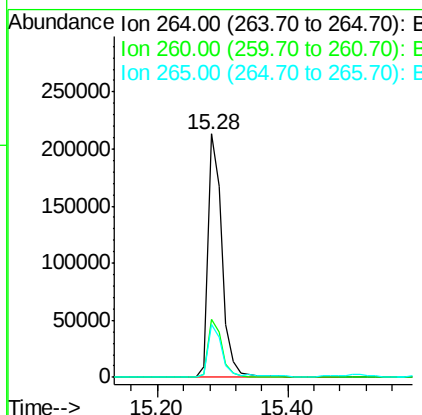
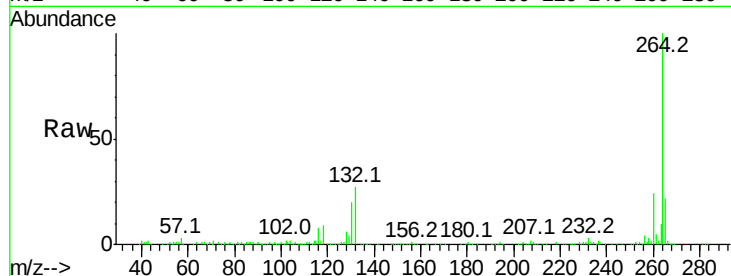


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BF093677.D
Acq: 15 Mar 2017 19:31

Instrument :
BNA_F
ClientSampleId :
E2-CC6-WSW

Tot Ion:264 Resp: 319823

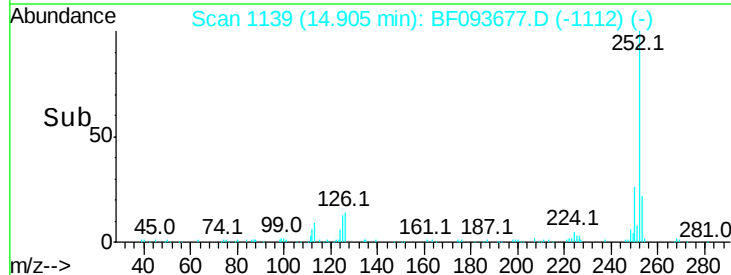
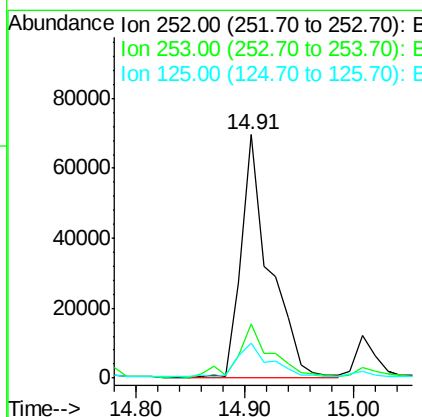
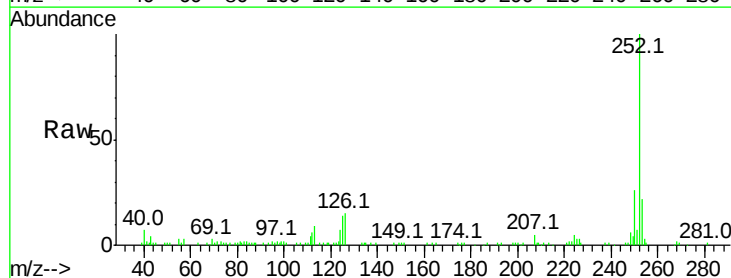
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.6	17.4	26.0

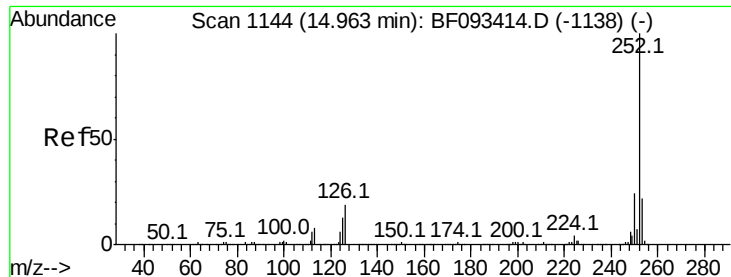


#87
Benzo(b)fluoranthene
Concen: 6.51 ng
RT: 14.91 min Scan# 1139
Delta R.T. 0.01 min
Lab File: BF093677.D
Acq: 15 Mar 2017 19:31

Tgt Ion:252 Resp: 126741

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.4
125	14.1	9.8	14.6





#88

Benzo(k)fluoranthene

Concen: 6.75 ng

RT: 14.91 min Scan# 1139

Delta R.T. -0.01 min

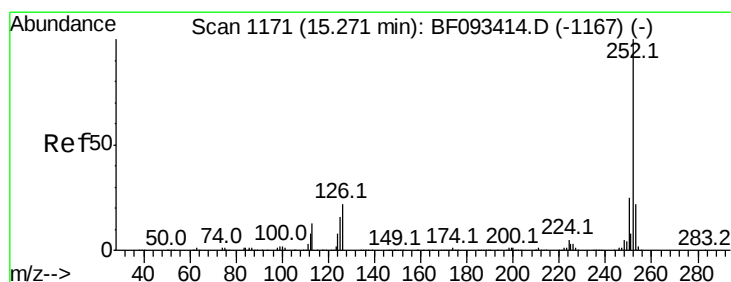
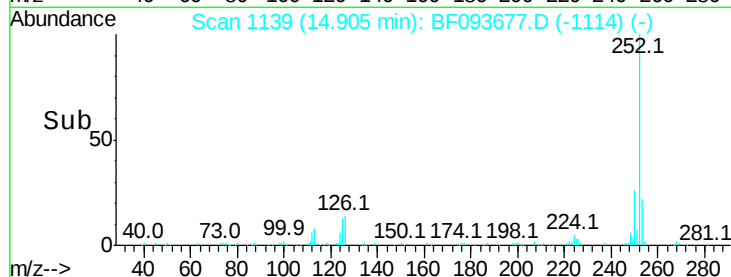
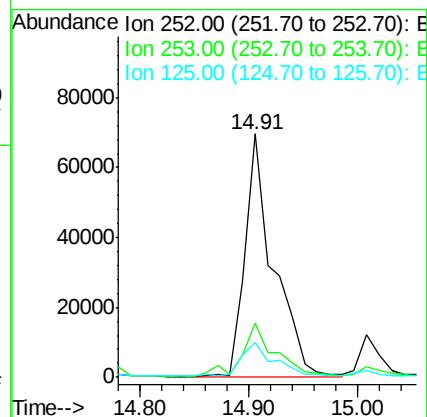
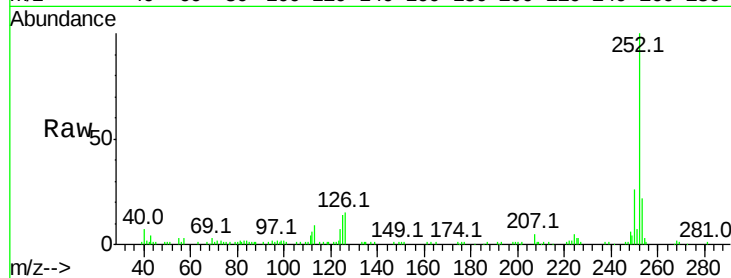
Lab File: BF093677.D

Acq: 15 Mar 2017 19:31

Instrument :
BNA_F
ClientSampleId :
E2-CC6-WSW

Tot Ion:252 Resp: 126741

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.5	27.7
125	14.1	8.9	13.3#



#89

Benzo(a)pyrene

Concen: 3.70 ng

RT: 15.24 min Scan# 1168

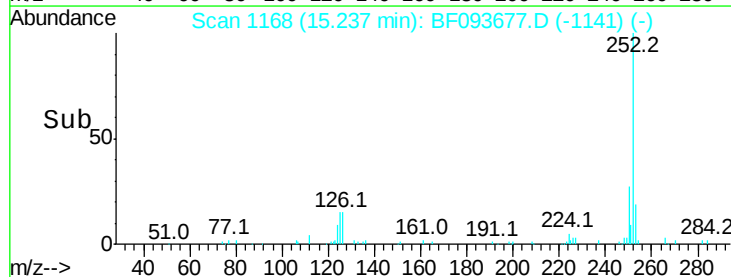
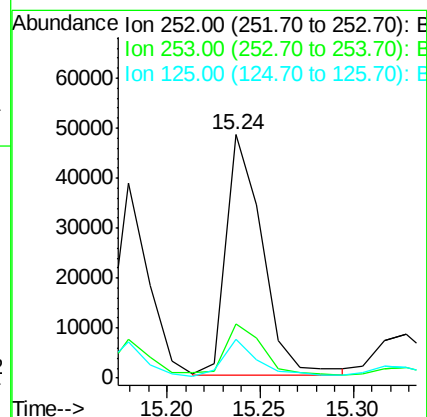
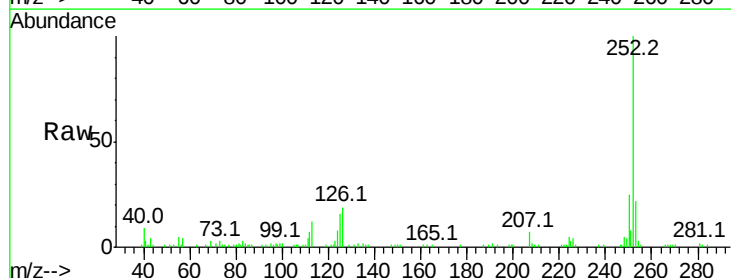
Delta R.T. 0.01 min

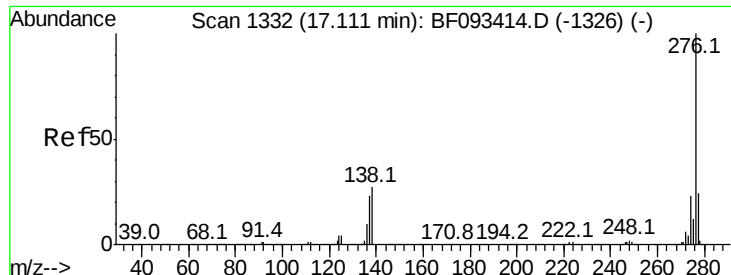
Lab File: BF093677.D

Acq: 15 Mar 2017 19:31

Tgt Ion:252 Resp: 65859

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	16.1	10.0	15.0#





#91

Benzo(a,h,i)perylene

Concen: 3.24 ng

RT: 17.07 min Scan# 1328

Delta R.T. 0.05 min

Lab File: BF093677.D

Acq: 15 Mar 2017 19:31

Instrument :

BNA_F

ClientSampleId :

E2-CC6-WSW

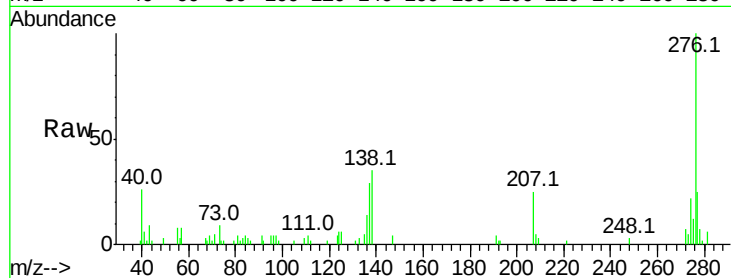
Tot Ion: 276 Resp: 49013

Ion Ratio Lower Upper

276 100

277 25.3 19.2 28.8

138 35.2 16.0 24.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

