

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 02:33:23 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

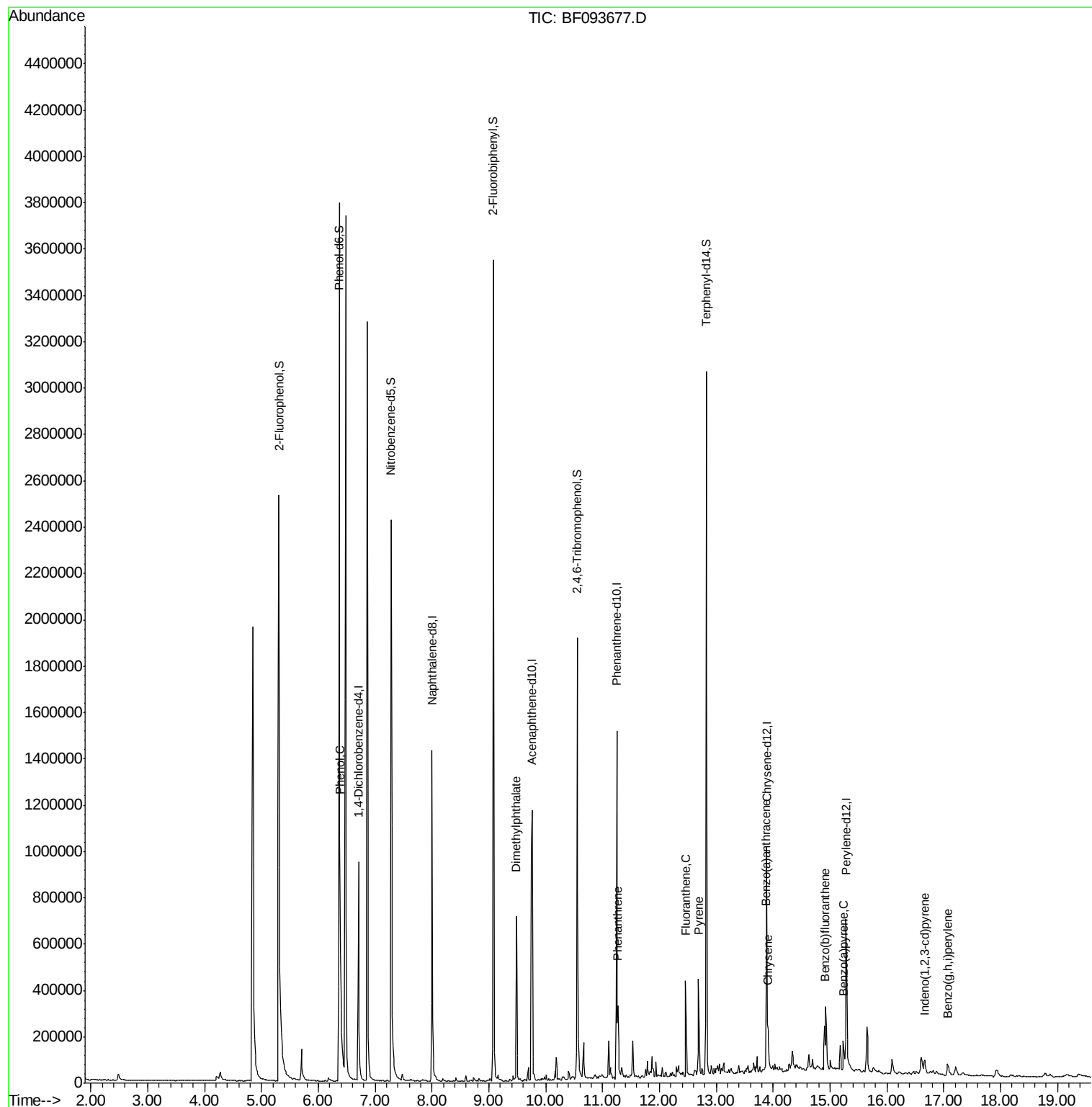
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	175817	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	710255	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	329370	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	555542	20.00	ng	0.00
75) Chrysene-d12	13.89	240	359914	20.00	ng	0.00
86) Perylene-d12	15.28	264	319823	20.00	ng	0.00
System Monitoring Compounds						
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						Qvalue
10) Phenol	6.38	94	118452	7.26	ng	91
49) Dimethylphthalate	9.49	163	301025	13.79	ng	99
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
85) Indeno(1,2,3-cd)pyrene	16.67	276	48419m	2.94	ng	
87) Benzo(b)fluoranthene	14.91	252	89688m	4.60	ng	
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

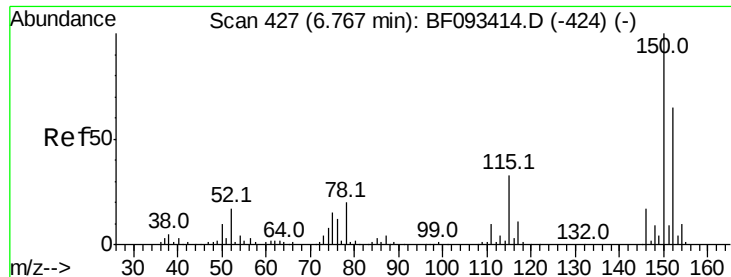
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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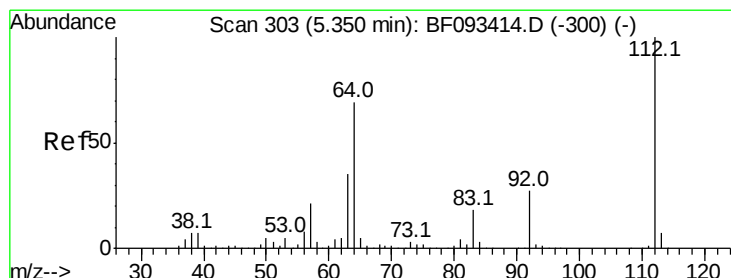
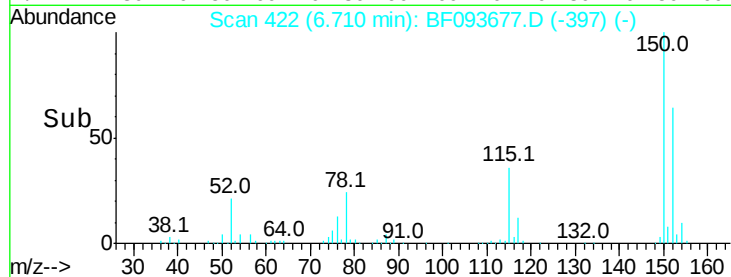
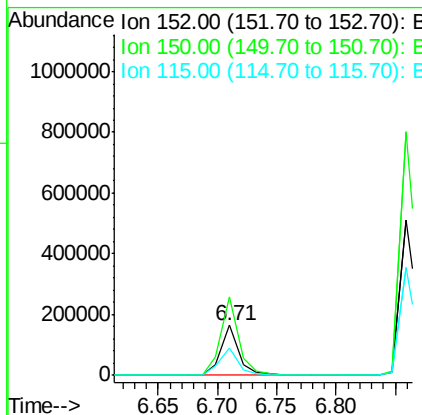
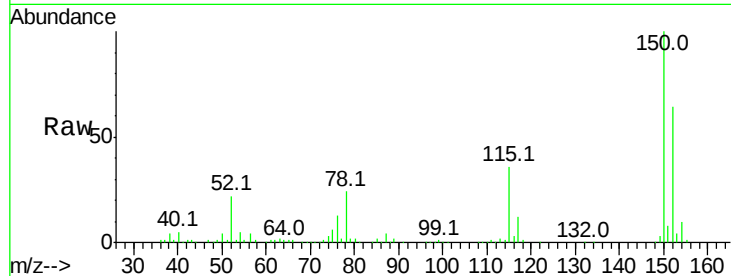


#1

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

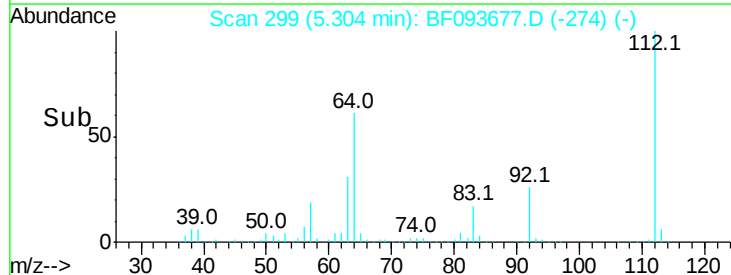
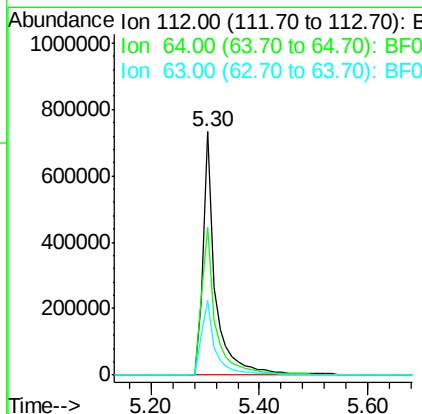
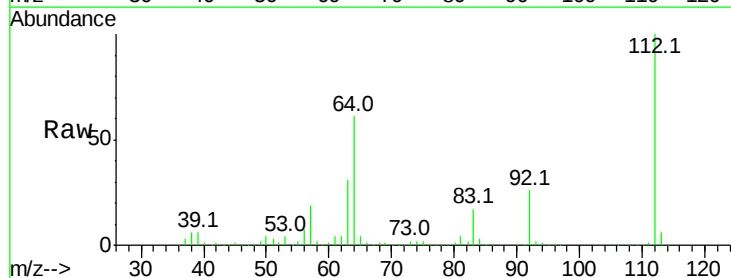
Tot Ion:152 Resp: 175817
Ion Ratio Lower Upper
152 100
150 156.8 124.9 187.3
115 55.9 46.0 69.0

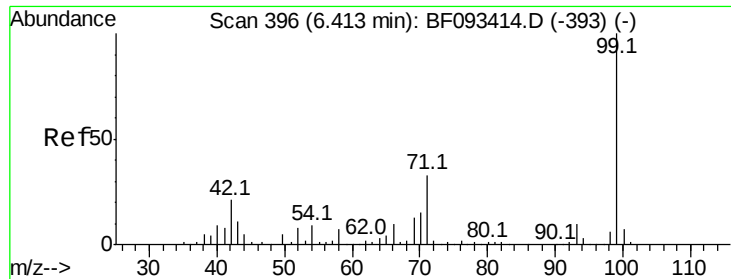


#5

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





#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 :

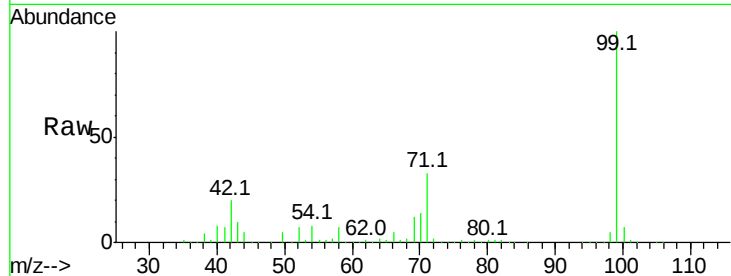
BNA_F

ClientSampleId :

E2-CC6-WSW

Tot Ion: 99 Resp: 1545532

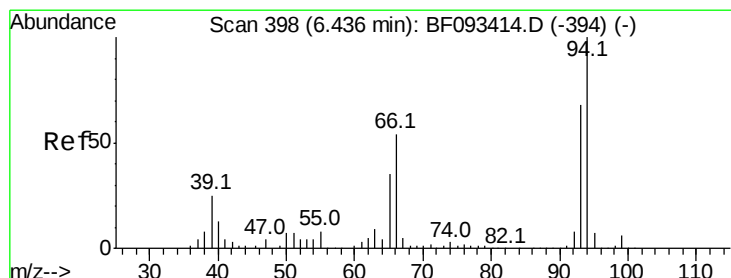
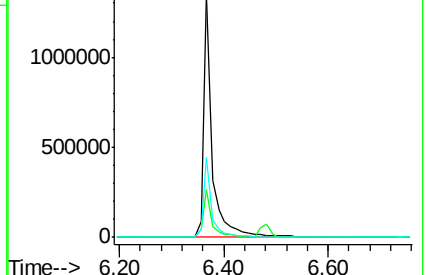
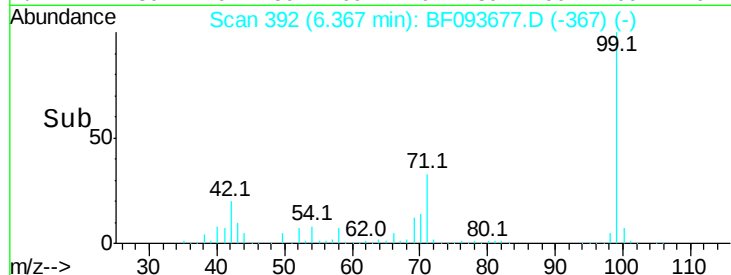
Ion	Ratio	Lower	Upper
99	100		
42	19.6	15.6	23.4
71	32.8	27.5	41.3



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

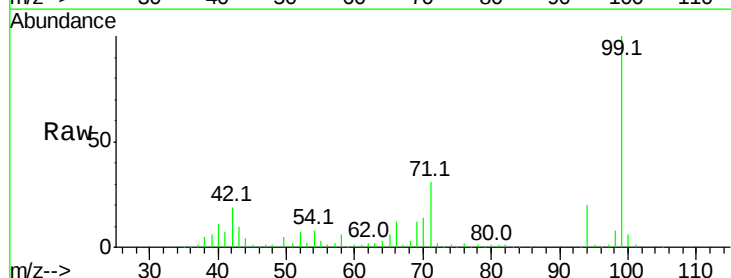
Delta R.T. -0.02 min

Lab File: BF093677.D

Acq: 15 Mar 2017 19:31

Tgt Ion: 94 Resp: 118452

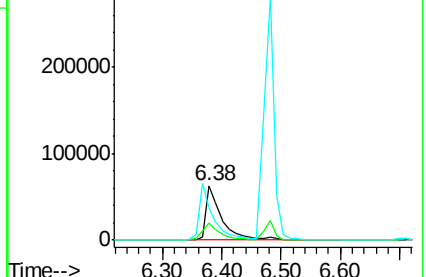
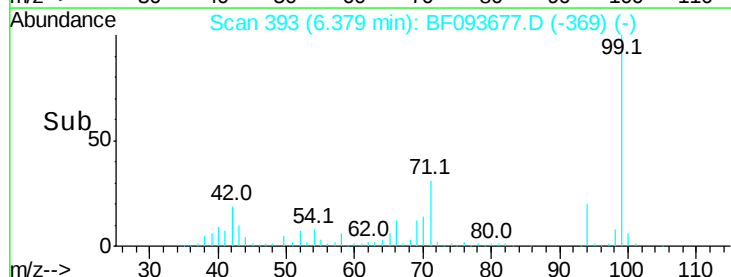
Ion	Ratio	Lower	Upper
94	100		
65	32.1	21.4	61.4
66	59.8	44.0	84.0

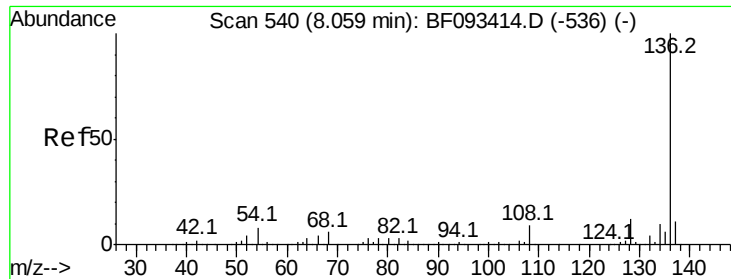


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

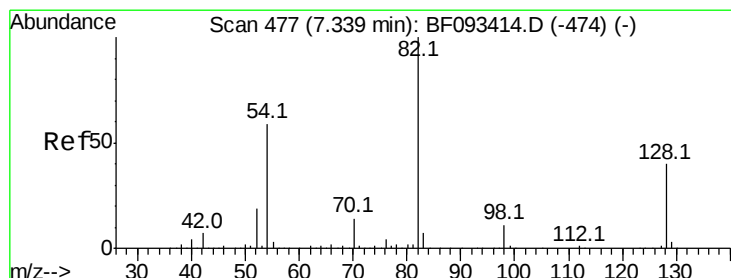
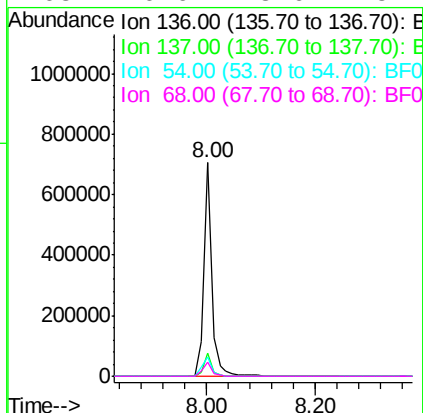
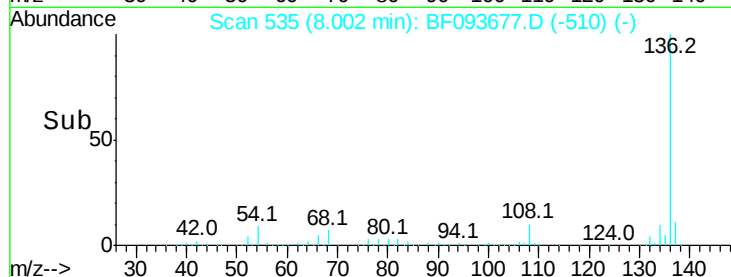
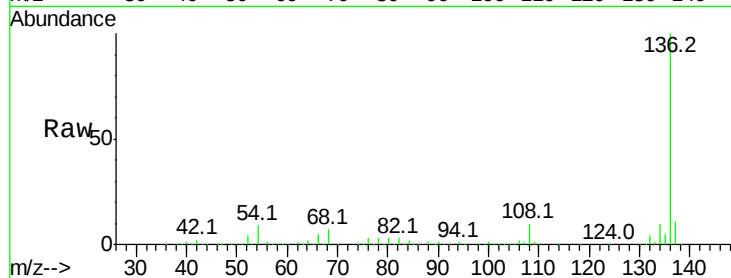




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093677.D
Acq: 15 Mar 2017 19:31

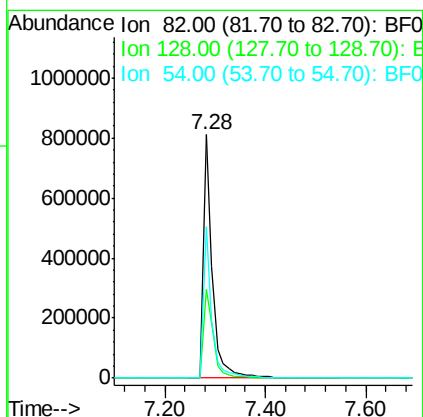
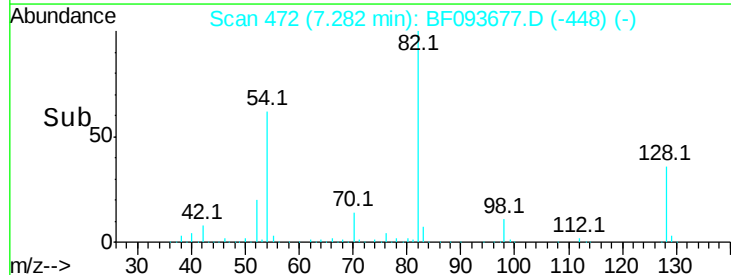
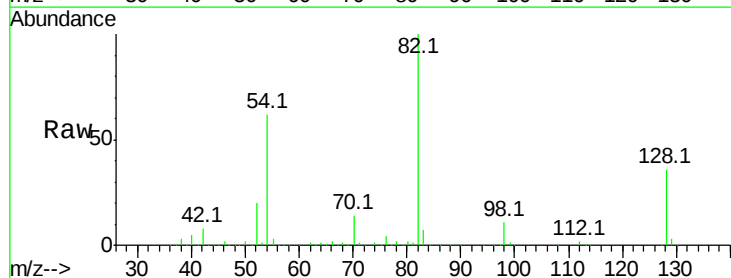
Instrument :
BNA_F
ClientSampleId :
E2-CC6-WSW

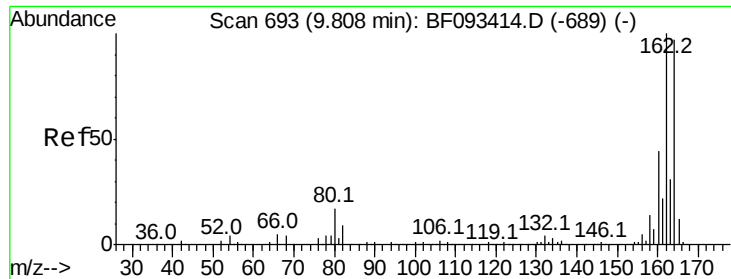
Tot Ion:	136	Resp:	710255
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	9.1	4.5	6.7#
68	6.6	3.6	5.4#



#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

Tgt Ion:	82	Resp:	992571
Ion	Ratio	Lower	Upper
82	100		
128	36.2	34.6	52.0
54	62.2	39.5	59.3#

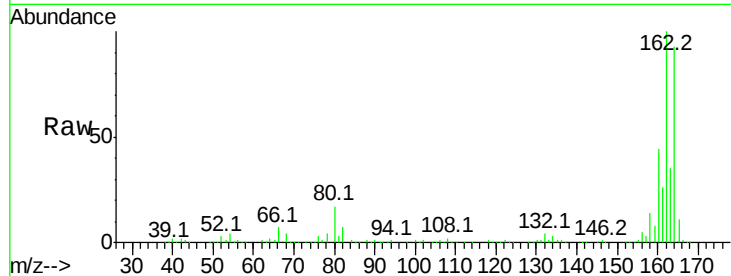




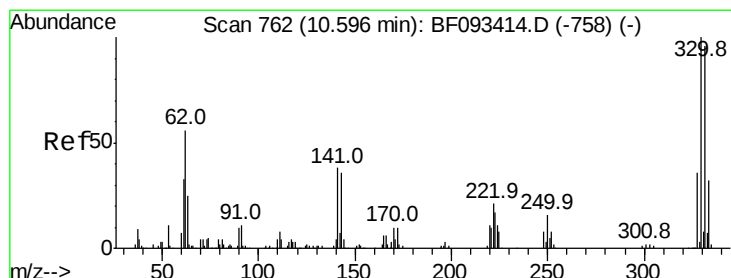
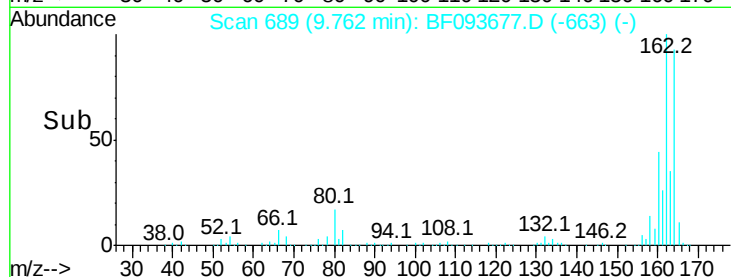
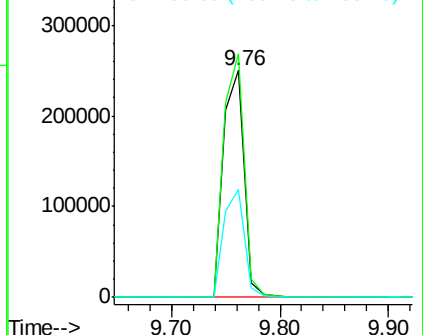
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.76 min Scan# 689
Delta R.T. -0.00 min
Lab File: BF093677.D
Acq: 15 Mar 2017 19:31

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

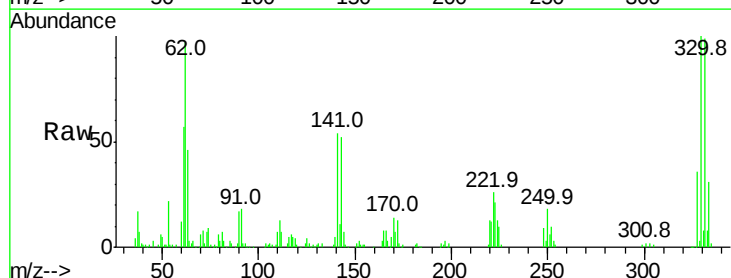


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

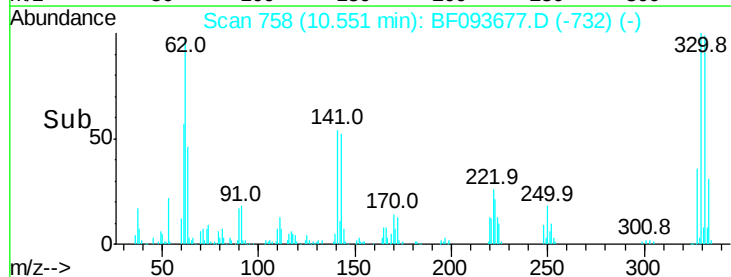
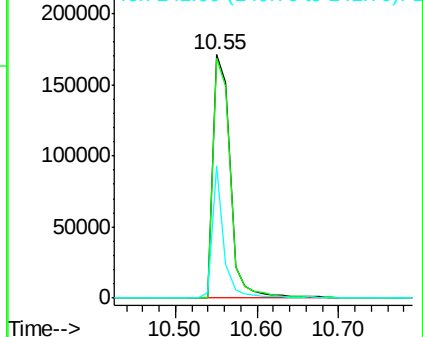


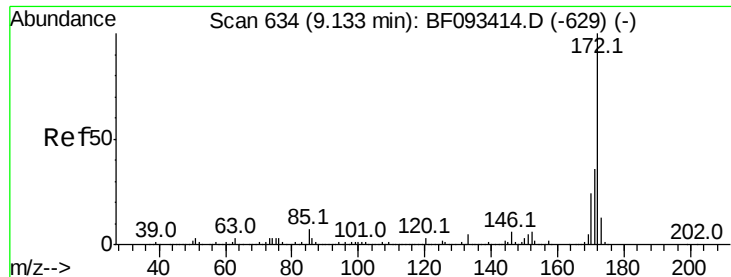
#41
2,4,6-Tribromophenol
Concen: 118.49 ng
RT: 10.55 min Scan# 758
Delta R.T. -0.00 min
Lab File: BF093677.D
Acq: 15 Mar 2017 19:31

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 :

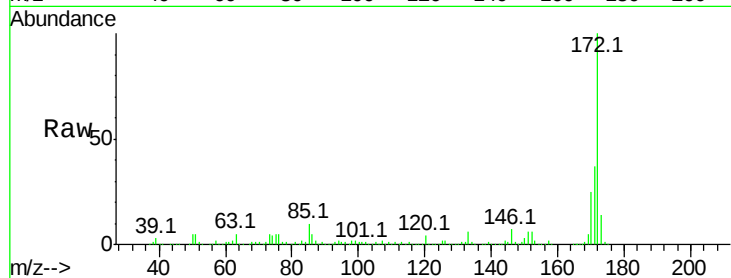
BNA_F

ClientSampleId :

E2-CC6-WSW

Tot Ion:172 Resp: 1473920

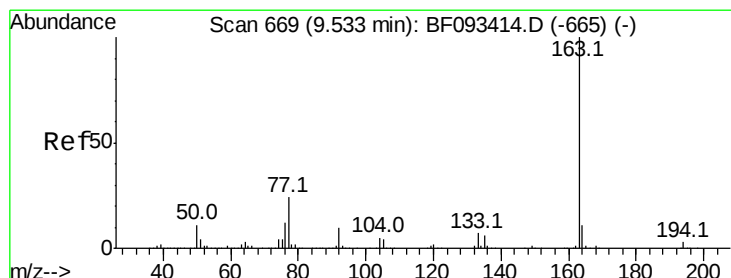
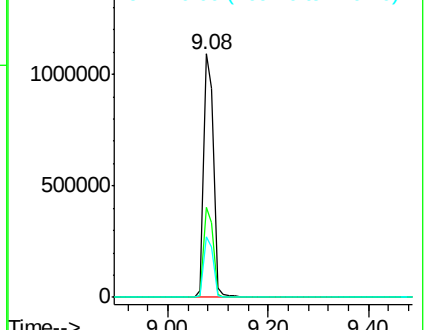
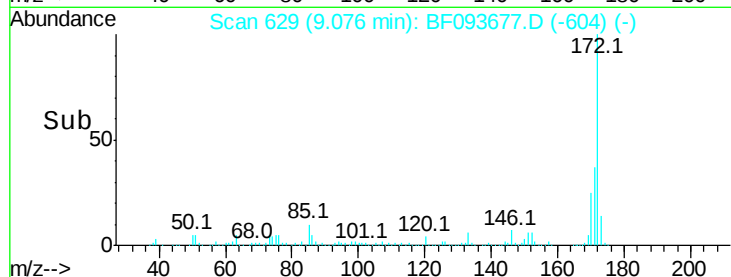
Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.4	44.0
170	24.8	20.2	30.4



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

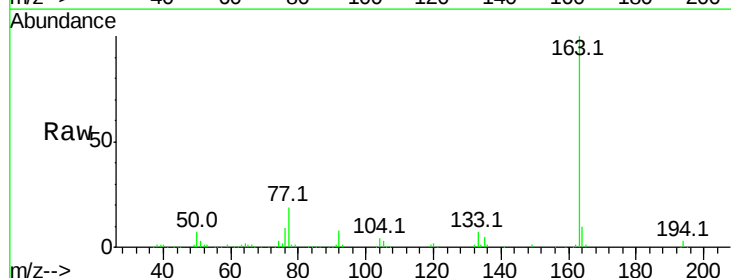
Delta R.T. -0.01 min

Lab File: BF093677.D

Acq: 15 Mar 2017 19:31

Tgt Ion:163 Resp: 301025

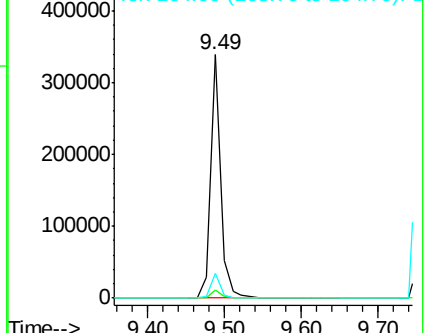
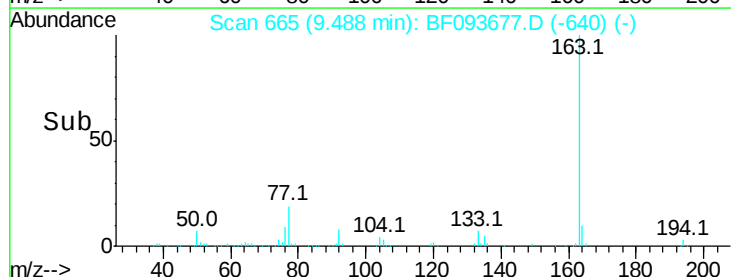
Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.4
164	10.3	8.0	12.0

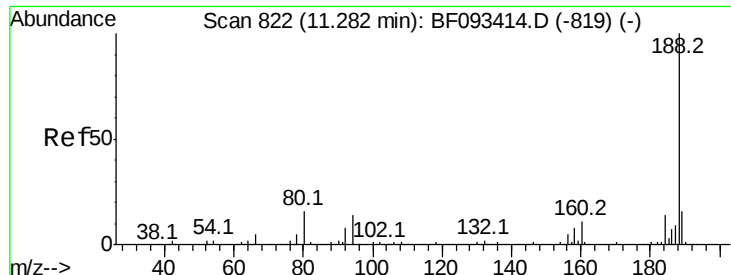


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

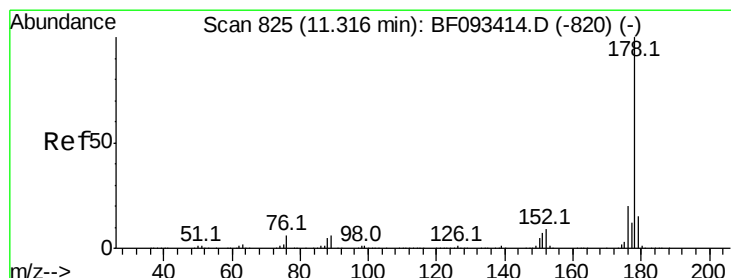
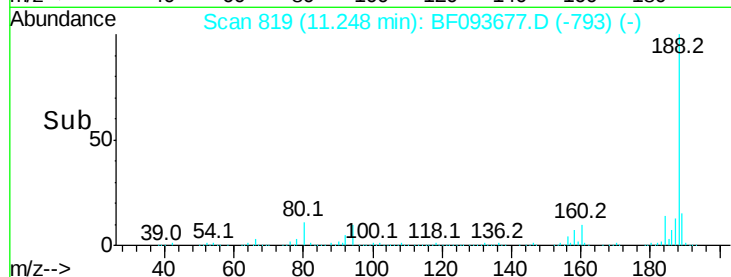
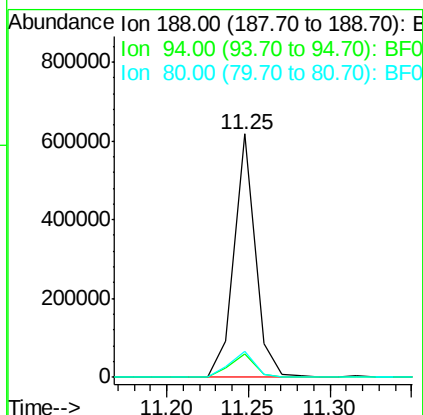
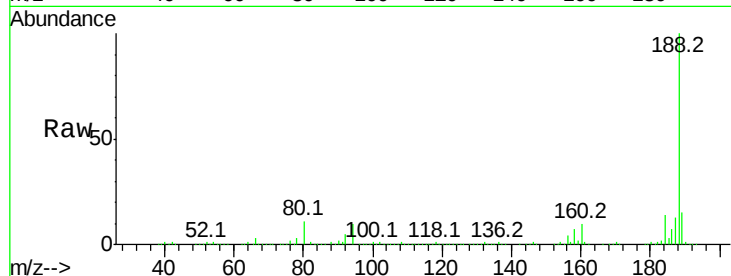




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF093677.D
Acq: 15 Mar 2017 19:31

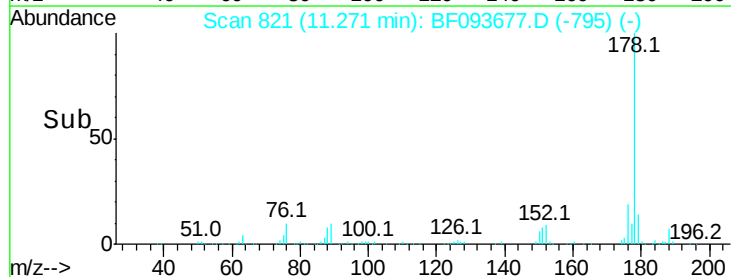
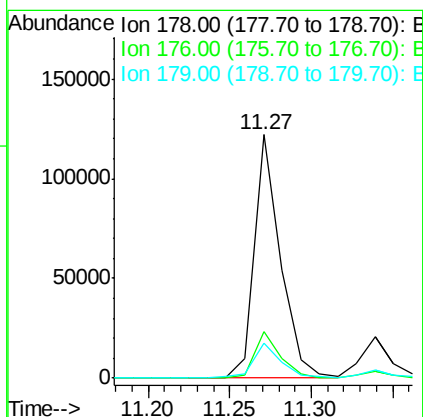
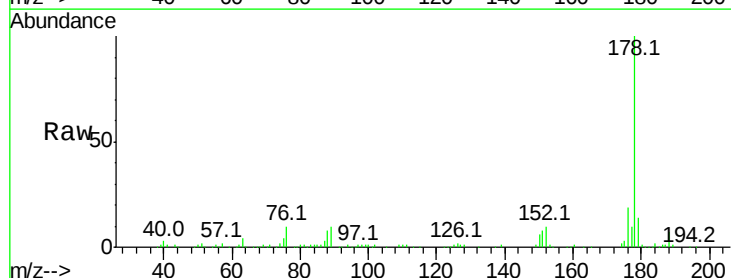
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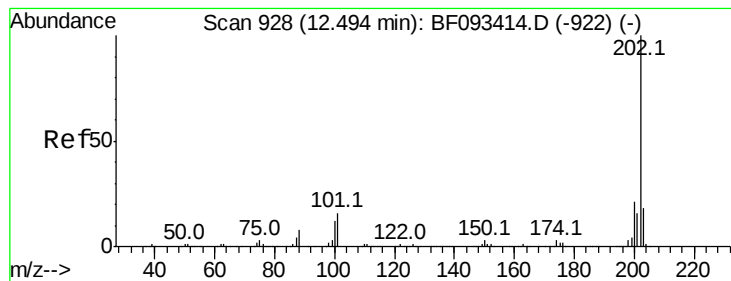
Tot Ion:188 Resp: 55542
Ion Ratio Lower Upper
188 100
94 9.7 10.0 15.0#
80 10.6 11.2 16.8#



#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





#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

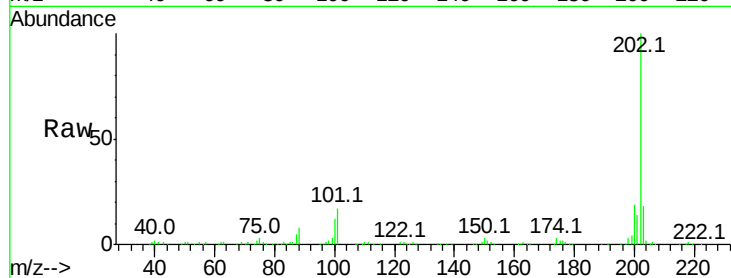
Tot Ion:202 Resp: 203847

Ion Ratio Lower Upper

202 100

101 17.3 0.0 34.6

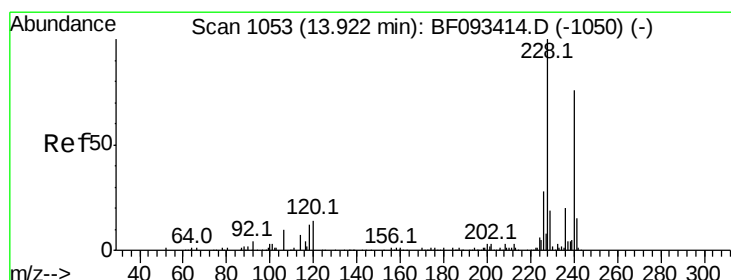
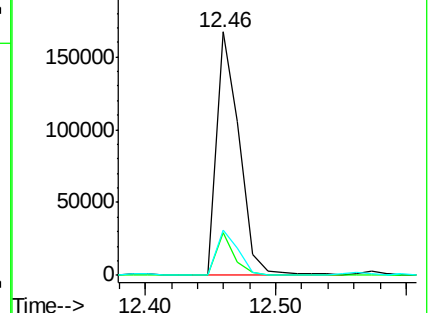
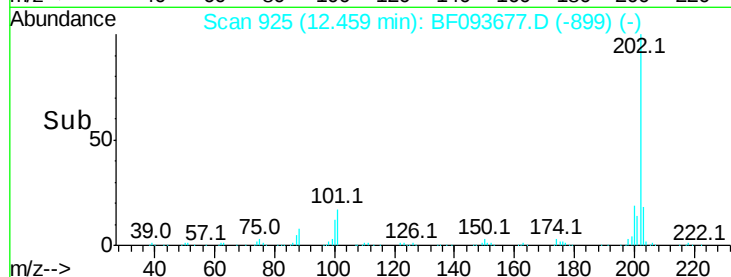
203 18.5 0.0 38.7



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

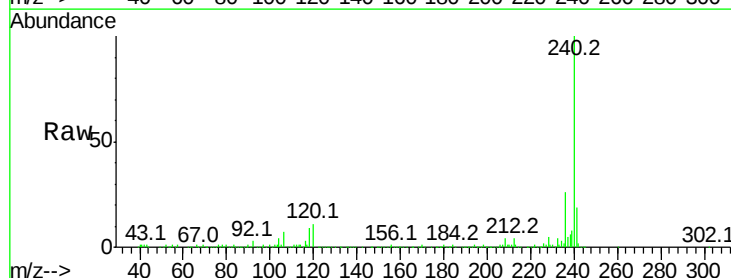
Tgt Ion:240 Resp: 359914

Ion Ratio Lower Upper

240 100

120 10.8 12.9 19.3#

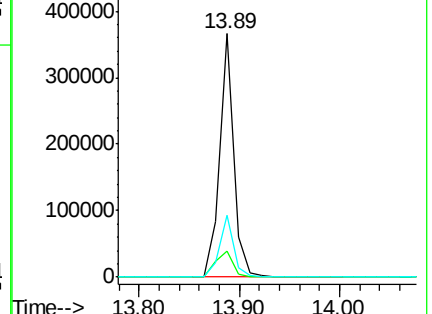
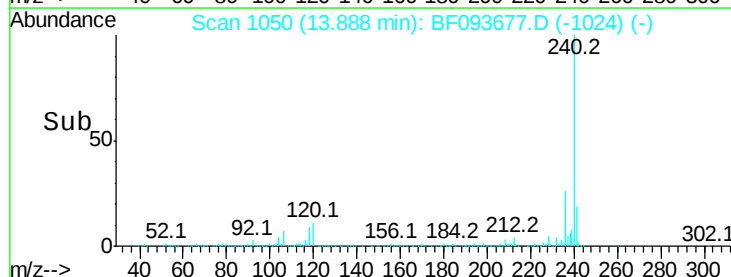
236 25.5 20.9 31.3

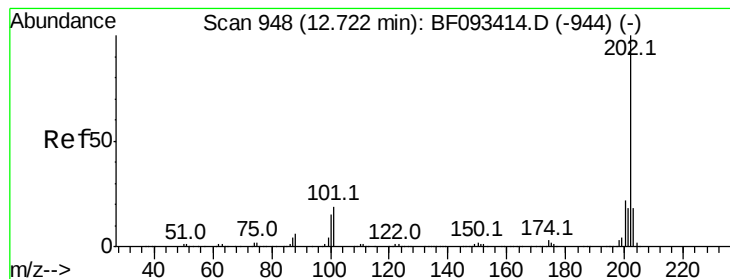


Abundance Ion 240.00 (239.70 to 240.70): E

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

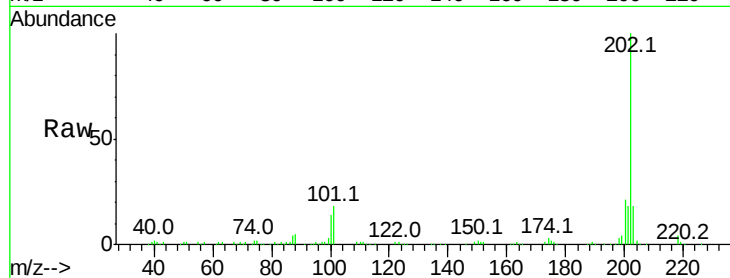
Tot Ion:202 Resp: 187241

Ion Ratio Lower Upper

202 100

200 21.1 17.7 26.5

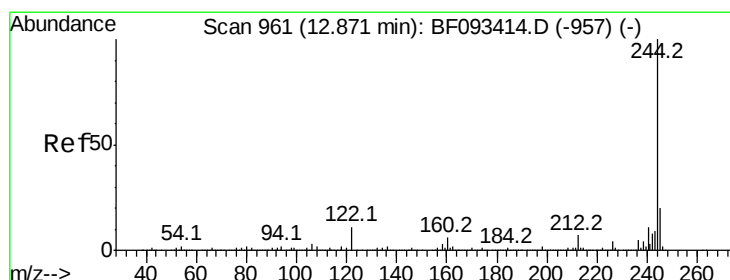
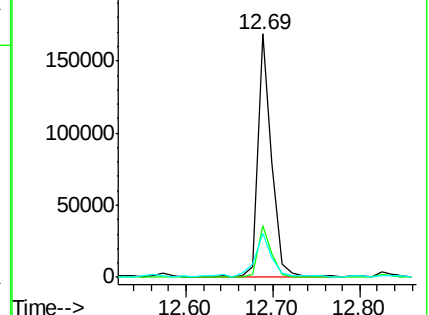
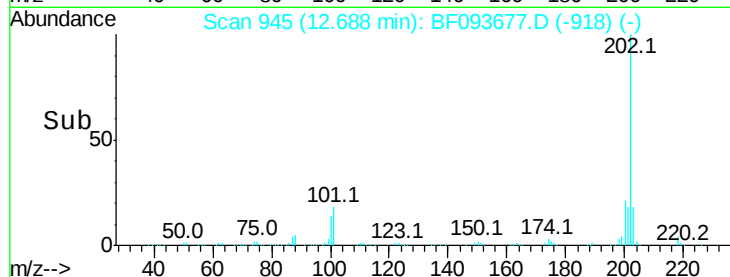
203 18.0 14.7 22.1



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

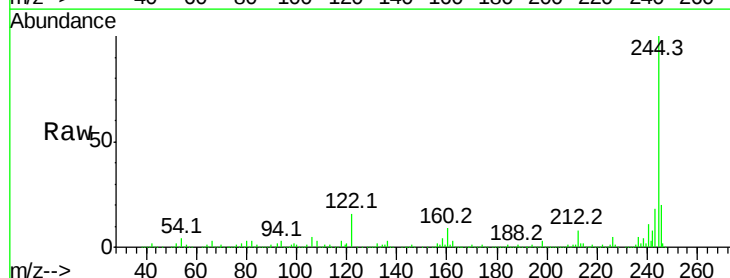
Tgt Ion:244 Resp: 1157184

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

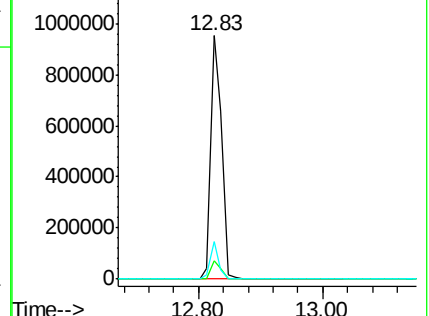
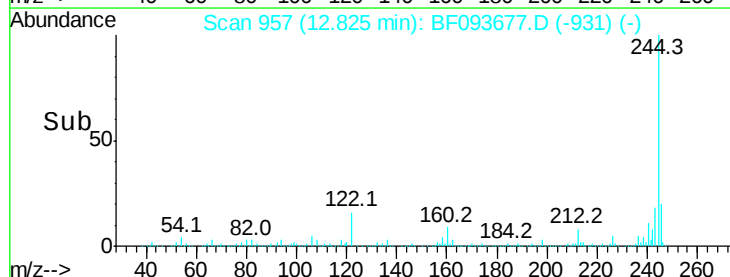
122 15.6 11.4 17.2

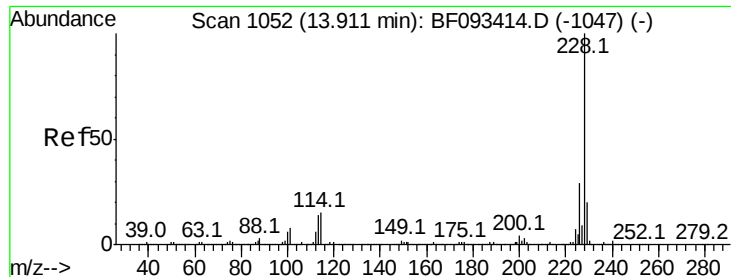


Abundance Ion 244.00 (243.70 to 244.70): E

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

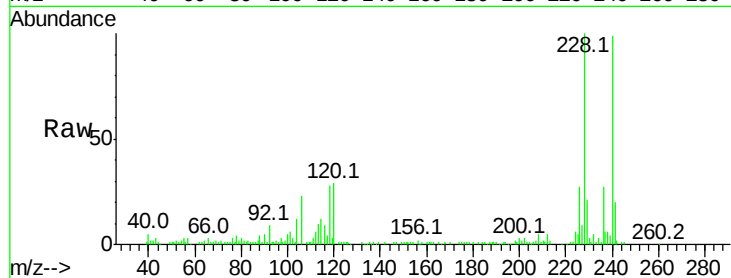
Tot Ion:228 Resp: 86184

Ion Ratio Lower Upper

228 100

226 27.4 22.4 33.6

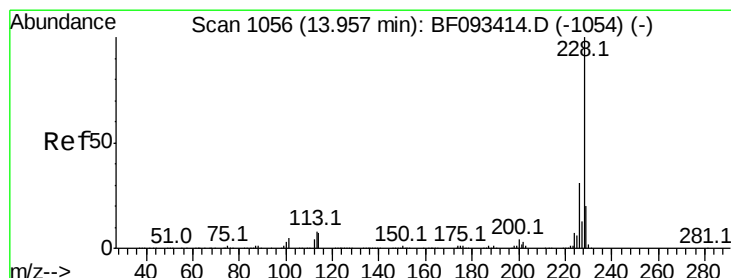
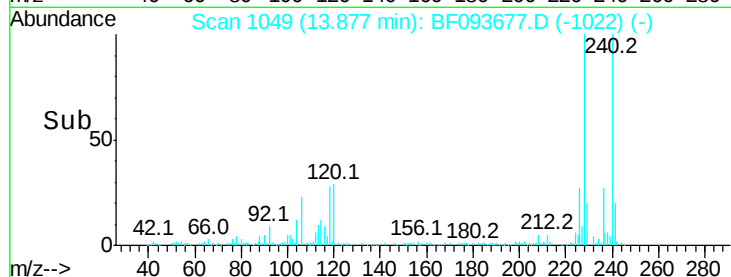
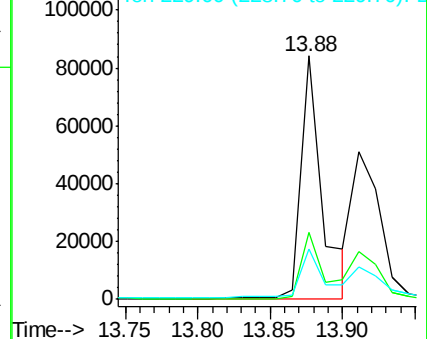
229 20.7 16.2 24.4



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: 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

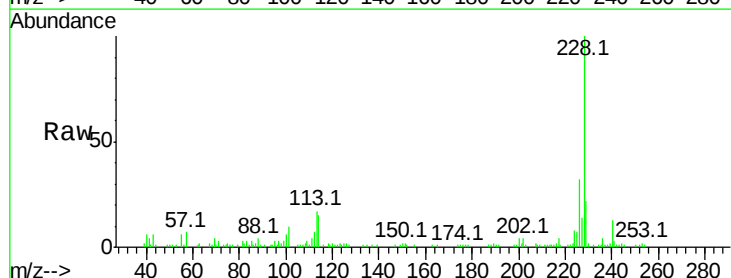
Tgt Ion:228 Resp: 67771

Ion Ratio Lower Upper

228 100

226 32.0 25.4 38.0

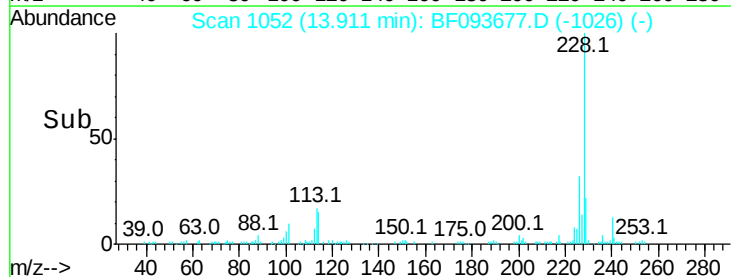
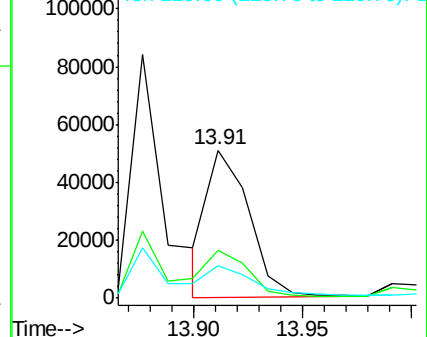
229 22.0 16.2 24.2

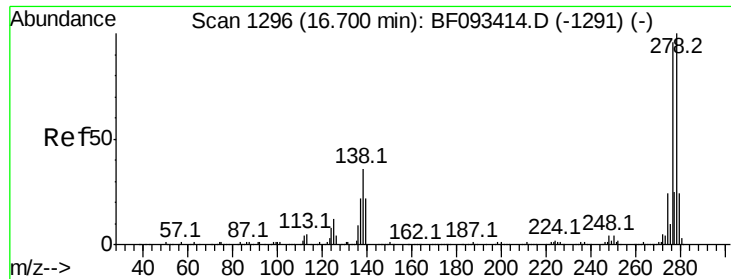


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

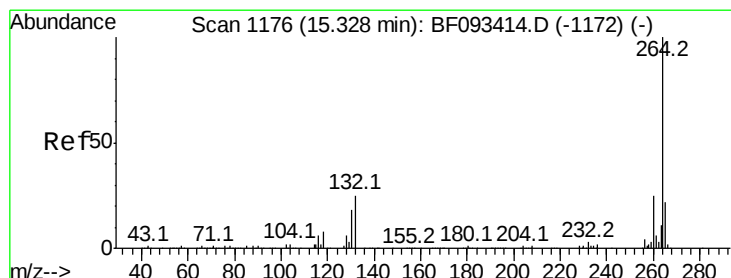
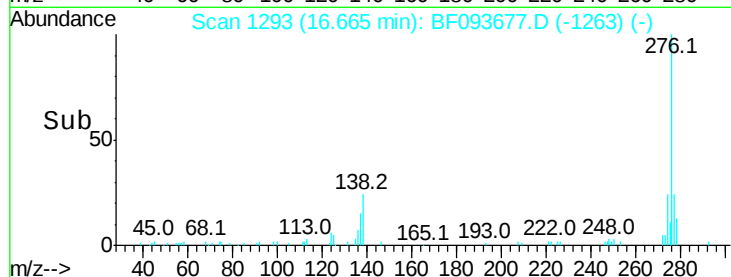
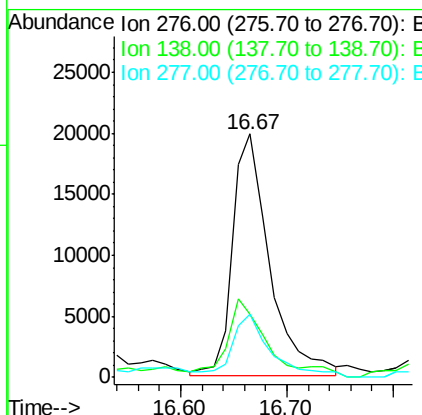
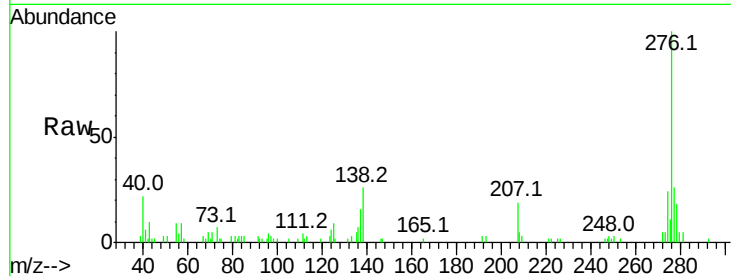




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.94 ng/ml
 RT: 16.67 min Scan# 1293
 Delta R.T. 0.05 min
 Lab File: BF093677.D
 Acq: 15 Mar 2017 19:31

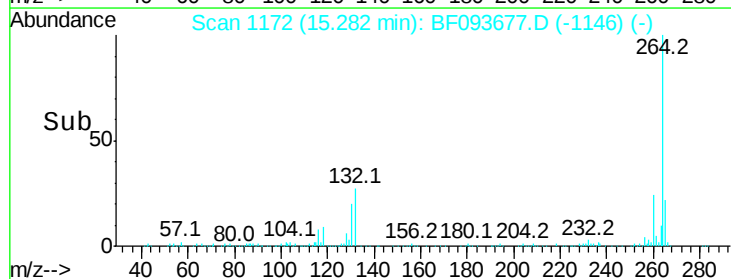
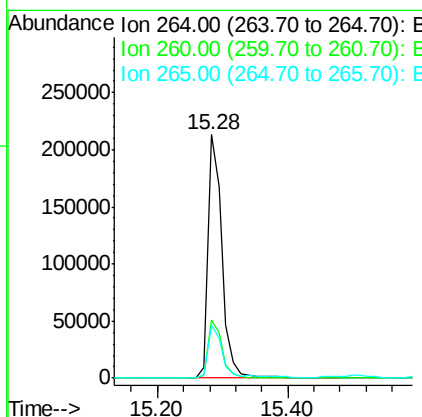
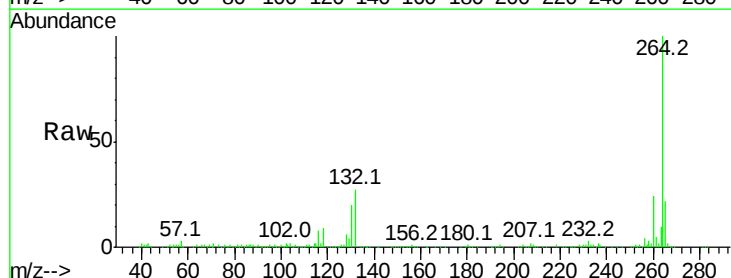
Instrument :
 BNA_F
 ClientSampleID :
 E2-CC6-WSW

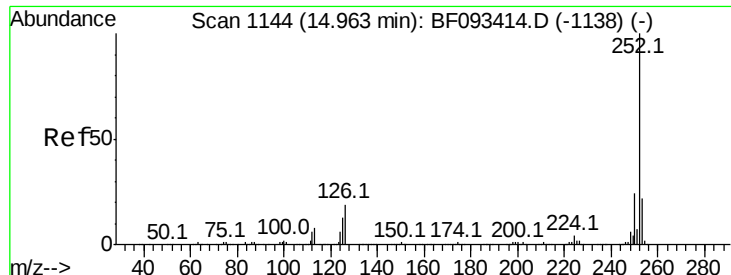
Tot Ion	Ratio	Lower	Upper
276	100		
138	5.1	21.8	32.6#
277	5.2	20.2	30.4#



#86
 Perylene-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

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

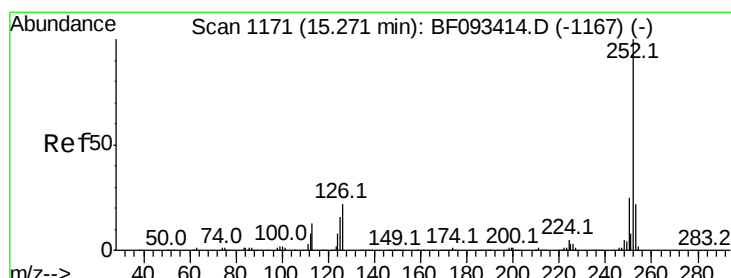
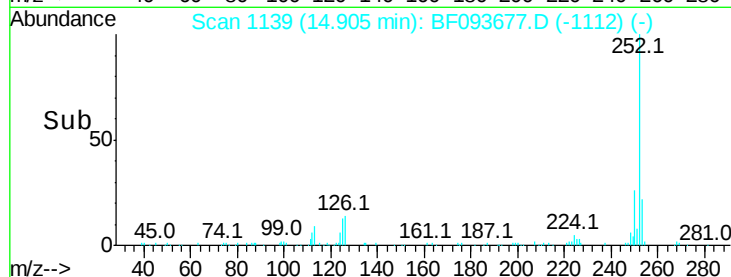
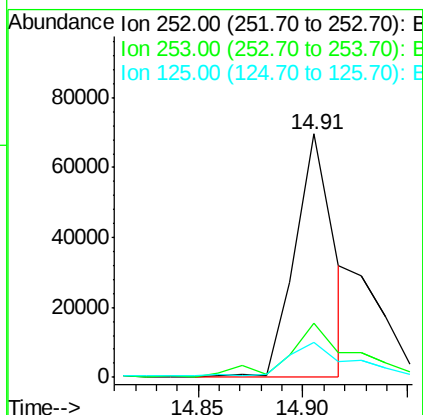
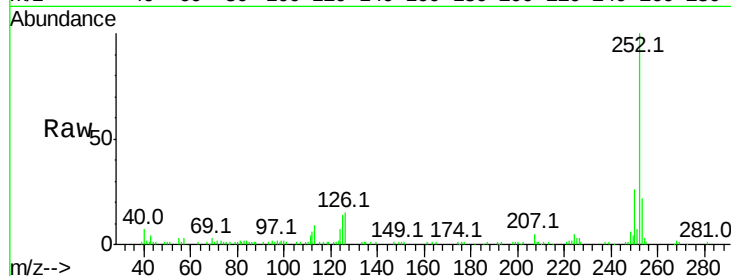




#87
Benzo(b)fluoranthene
Concen: 4.60 ng m
RT: 14.91 min Scan# 1139
Delta R.T. 0.01 min
Lab File: BF093677.D
Acq: 15 Mar 2017 19:31

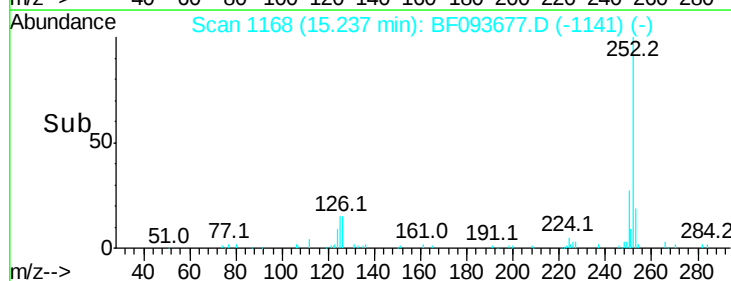
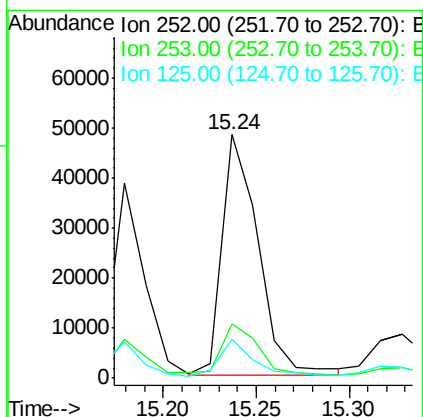
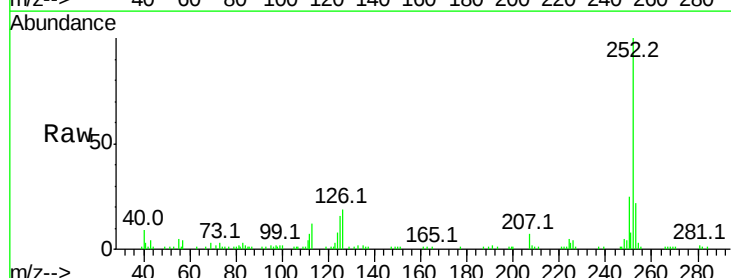
Instrument :
BNA_F
ClientSampleId :
E2-CC6-WSW

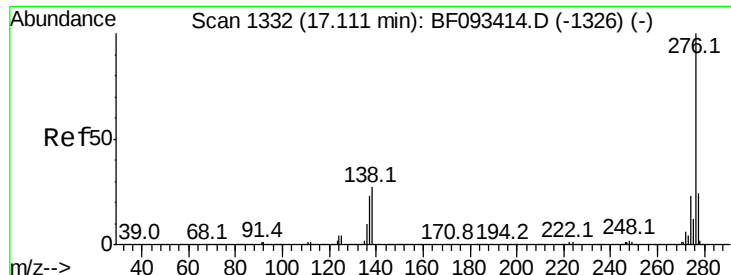
Tot Ion:252 Resp: 89688
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.4
125 14.1 9.8 14.6



#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

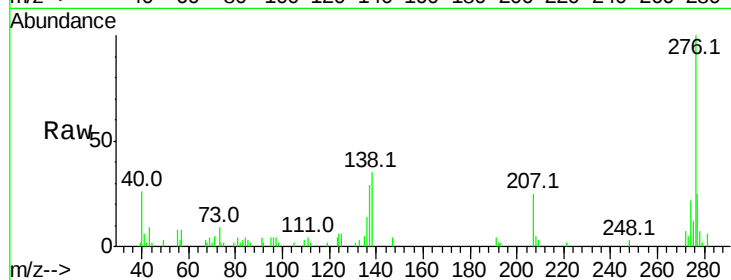
Tot Ion:276 Resp: 49013

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

