

Data Path : Z:\HPCHEM1\BNA F\Data\BF031117\
 Data File : BF093577.D
 Acq On : 11 Mar 2017 19:48
 Operator : SJ/MA
 Sample : I2215-03 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 13 16:32:26 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

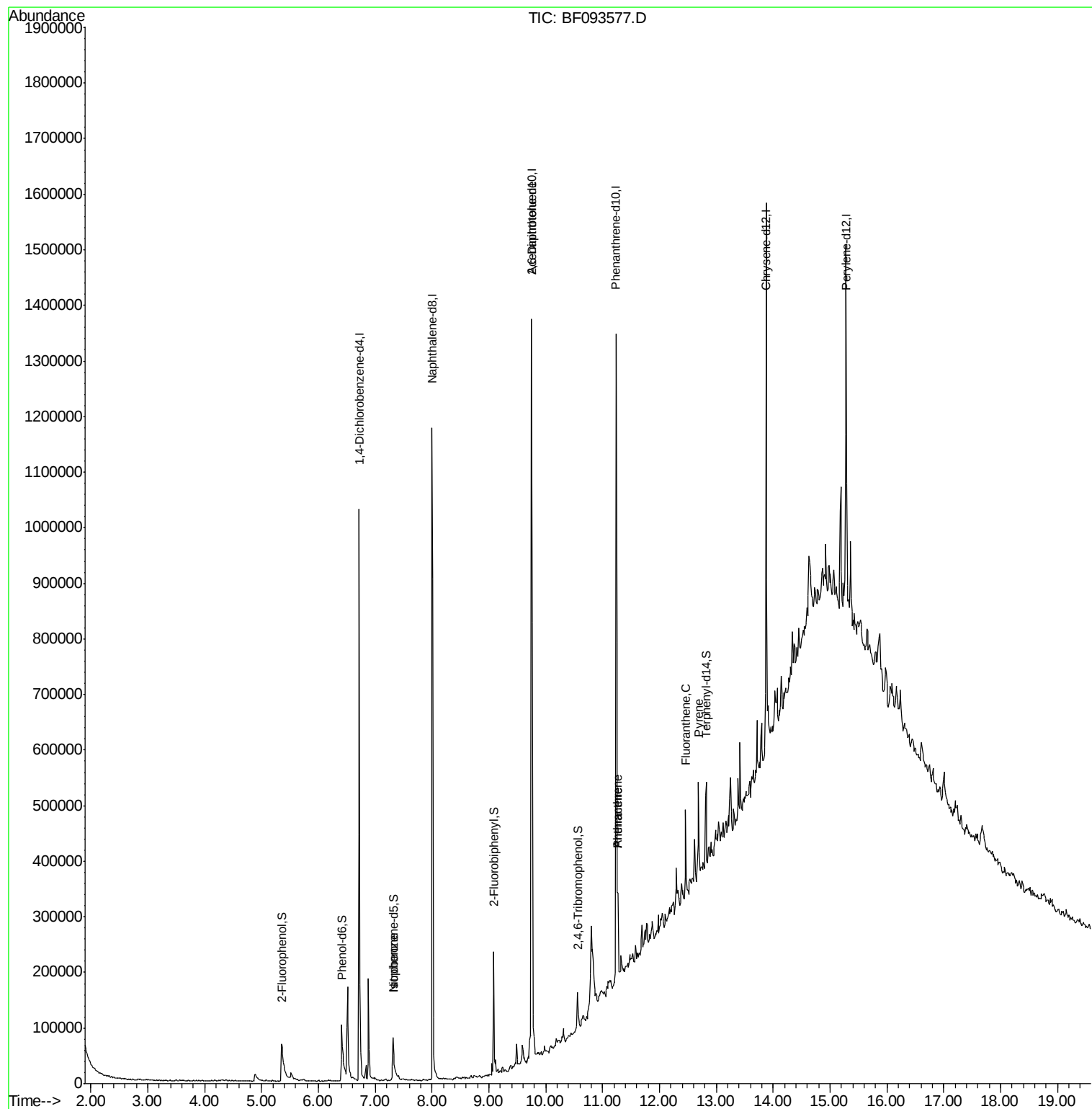
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	188856	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	740767	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	316965	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	506701	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	361585	20.00	ng	-0.01
86) Perylene-d12	15.28	264	315255	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	64601	5.69	ng	0.05
7) Phenol-d6	6.41	99	87265	6.10	ng	0.03
23) Nitrobenzene-d5	7.32	82	58036	4.35	ng	0.01
41) 2,4,6-Tribromophenol	10.56	330	8508	4.12	ng	0.01
44) 2-Fluorobiphenyl	9.09	172	90748	5.33	ng	0.00
78) Terphenyl-d14	12.83	244	57749	4.15	ng	0.00
Target Compounds						
9) Benzaldehyde	6.52	77	1742	Below Cal	#	55
25) Isophorone	7.32	82	58038	2.16	ng	# 65
50) 2,6-Dinitrotoluene	9.75	165	40717	8.83	ng	# 32
70) Phenanthrene	11.27	178	78265	2.71	ng	98
71) Anthracene	11.27	178	78265	2.68	ng	99
74) Fluoranthene	12.46	202	64740	2.32	ng	97
77) Pyrene	12.69	202	56090	2.13	ng	98

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

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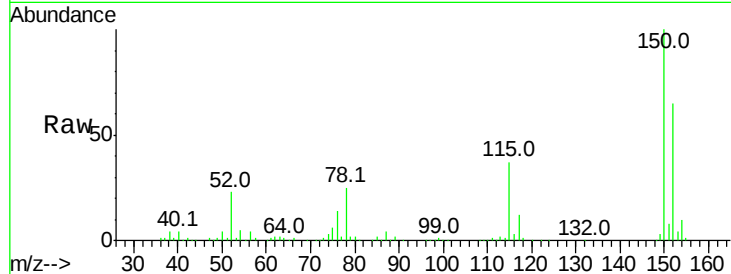


#1

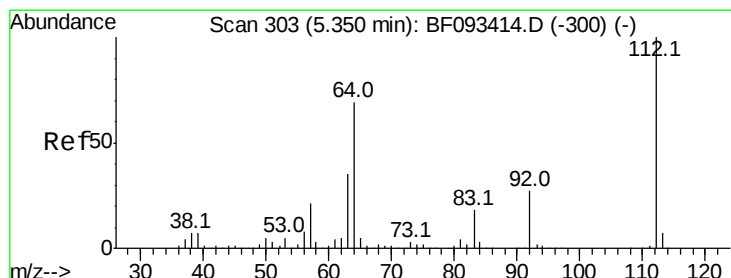
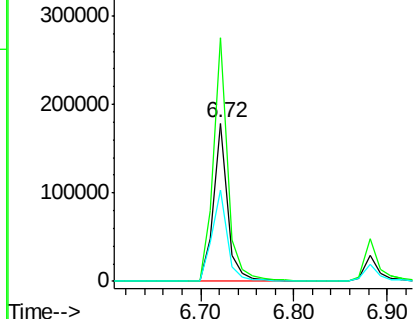
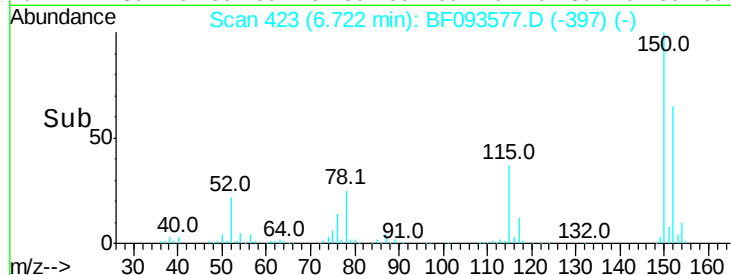
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.72 min Scan# 423
 Delta R.T. -0.00 min
 Lab File: BF093577.D
 Acq: 11 Mar 2017 19:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.9	187.3
115	57.8	46.0	69.0



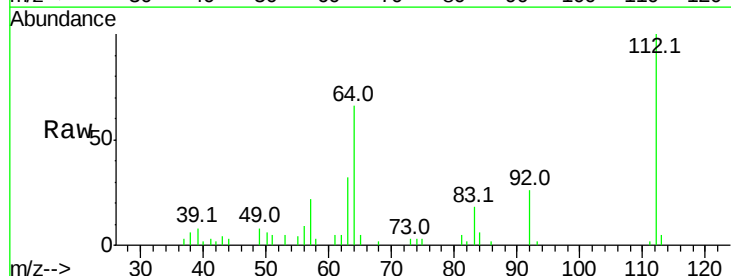
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



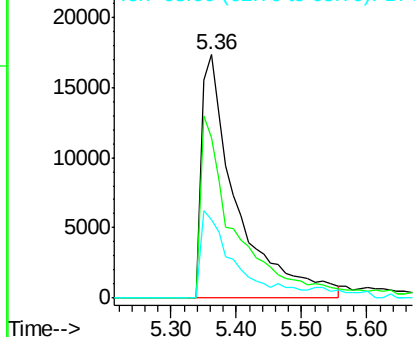
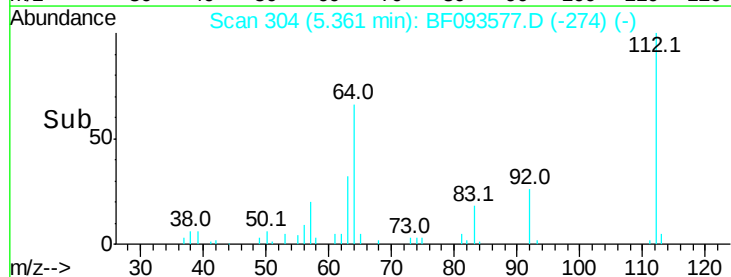
#5

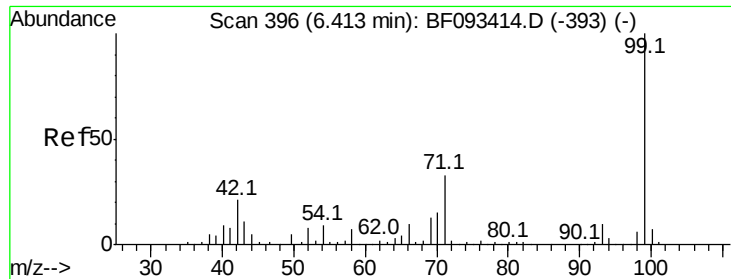
2-Fluorophenol
 Concen: 5.69 ng
 RT: 5.36 min Scan# 304
 Delta R.T. 0.05 min
 Lab File: BF093577.D
 Acq: 11 Mar 2017 19:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.1	46.1	69.1
63	32.0	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: 6.10 ng

RT: 6.41 min Scan# 396

Delta R.T. 0.03 min

Lab File: BF093577.D

Acq: 11 Mar 2017 19:48

Instrument :

BNA_F

ClientSampleId :

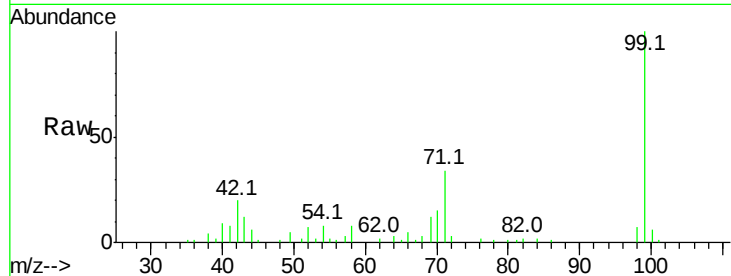
Tot Ion: 99 Resp: 87265

Ion Ratio Lower Upper

99 100

42 20.3 15.6 23.4

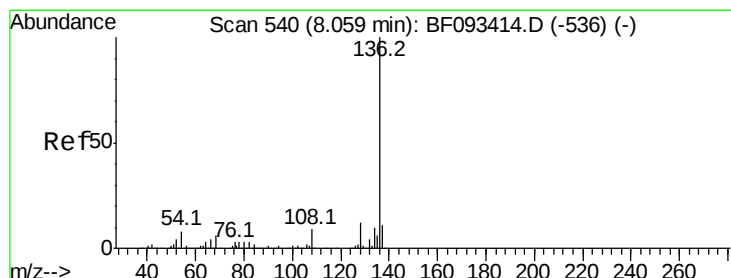
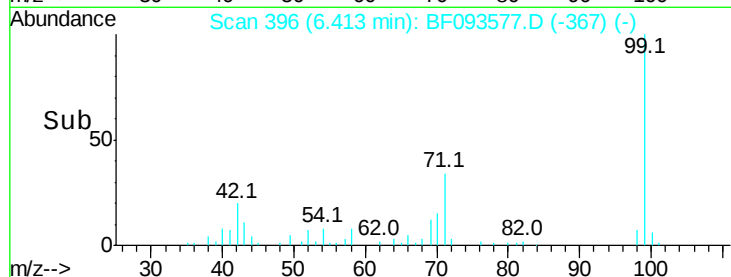
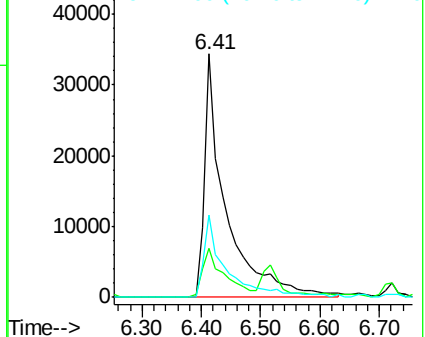
71 33.7 27.5 41.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF093577.D

Acq: 11 Mar 2017 19:48

Tgt Ion: 136 Resp: 740767

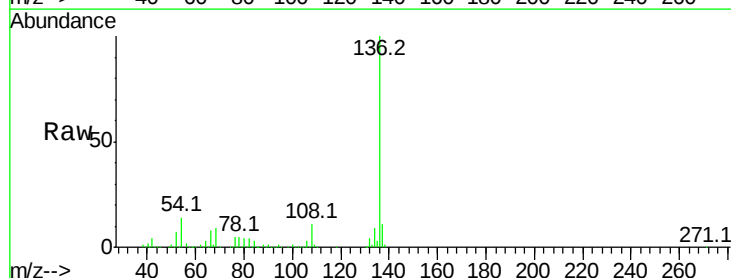
Ion Ratio Lower Upper

136 100

137 11.3 8.4 12.6

54 14.4 4.5 6.7#

68 9.4 3.6 5.4#

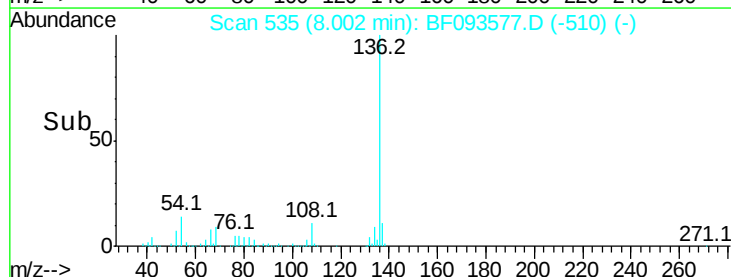
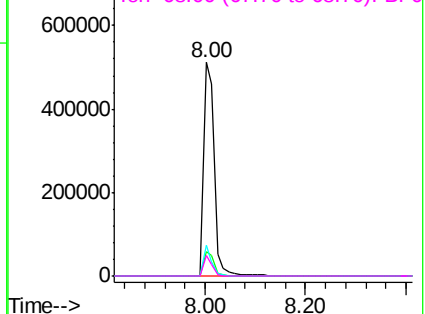


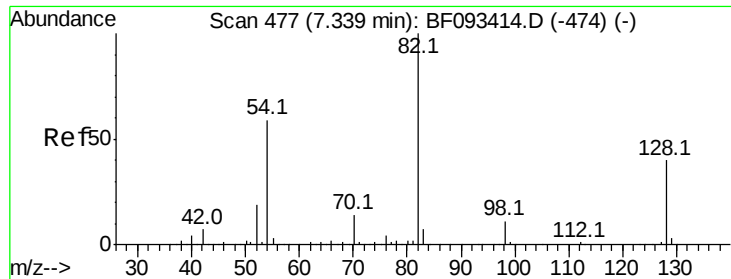
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

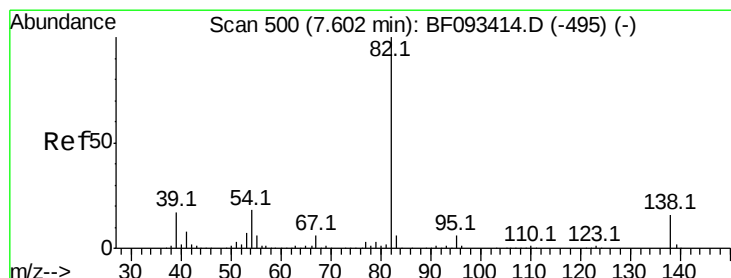
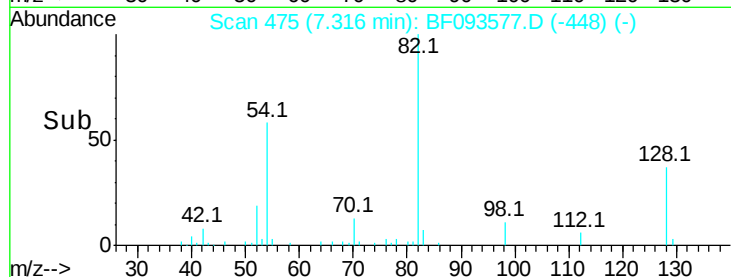
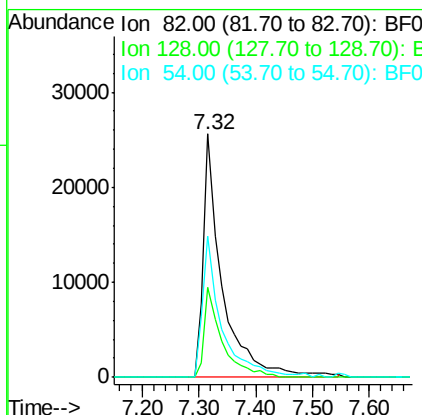
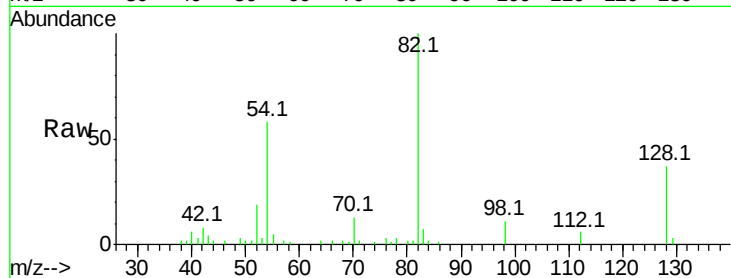




#23
 Nitrobenzene-d5
 Concen: 4.35 ng
 RT: 7.32 min Scan# 475
 Delta R.T. 0.01 min
 Lab File: BF093577.D
 Acq: 11 Mar 2017 19:48

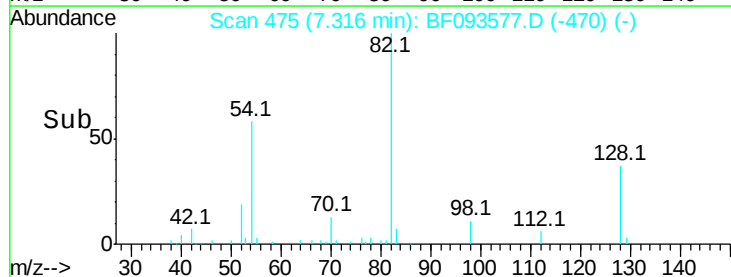
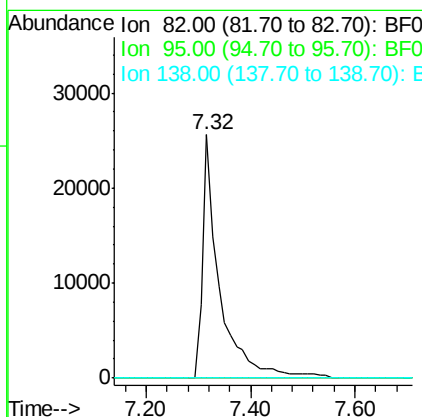
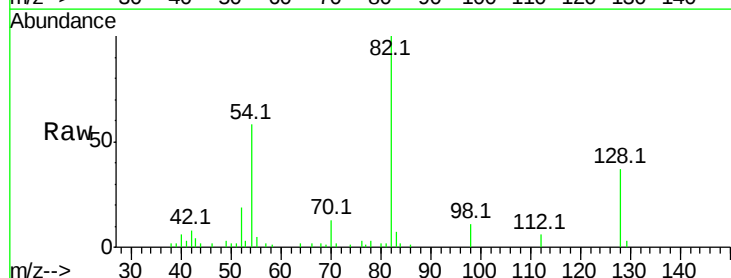
Instrument :
 BNA_F
 ClientSampled :

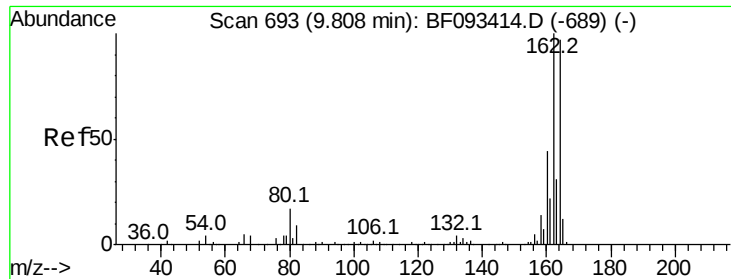
Tot Ion	Ratio	Lower	Upper
82	100		
128	36.9	34.6	52.0
54	58.2	39.5	59.3



#25
 Isophorone
 Concen: 2.16 ng
 RT: 7.32 min Scan# 475
 Delta R.T. -0.24 min
 Lab File: BF093577.D
 Acq: 11 Mar 2017 19:48

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: 9.75 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF093577.D

Acq: 11 Mar 2017 19:48

Instrument :

BNA_F

ClientSampleId :

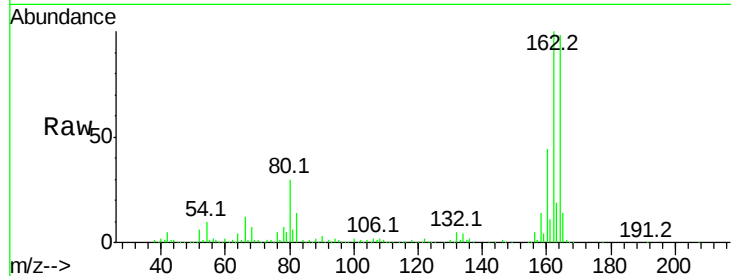
Tot Ion:164 Resp: 316965

Ion Ratio Lower Upper

164 100

162 101.7 80.2 120.2

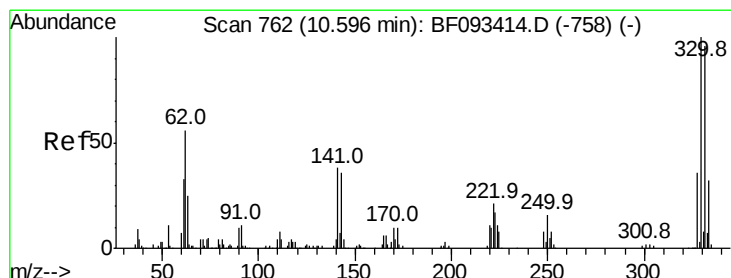
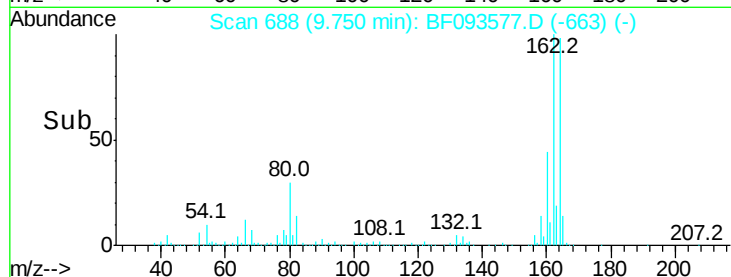
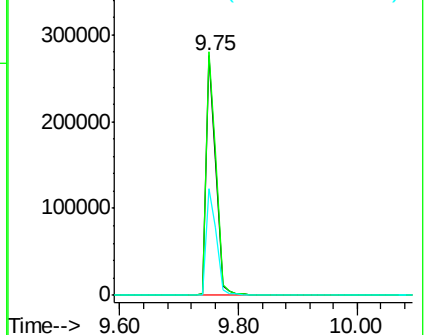
160 44.7 36.9 55.3



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: 4.12 ng

RT: 10.56 min Scan# 759

Delta R.T. 0.01 min

Lab File: BF093577.D

Acq: 11 Mar 2017 19:48

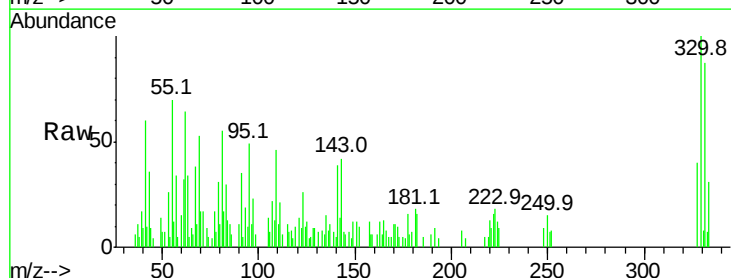
Tgt Ion:330 Resp: 8508

Ion Ratio Lower Upper

330 100

332 93.9 77.4 116.2

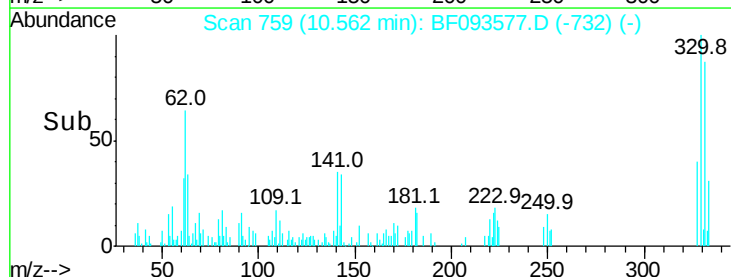
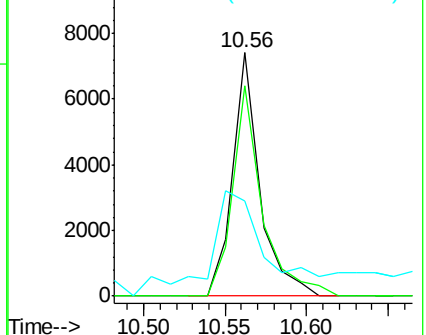
141 92.4 34.1 51.1#

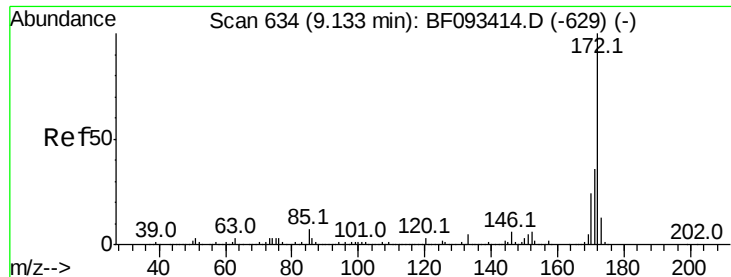


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 5.33 ng

RT: 9.09 min Scan# 630

Delta R.T. -0.00 min

Lab File: BF093577.D

Acq: 11 Mar 2017 19:48

Instrument :

BNA_F

ClientSampled :

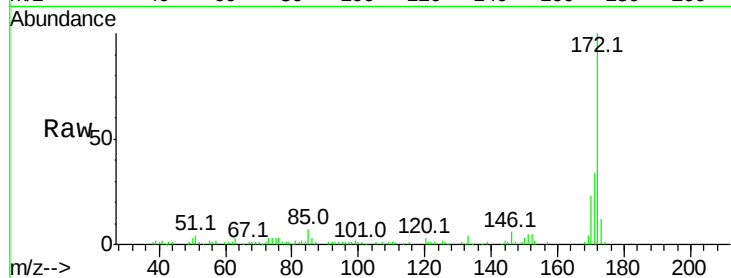
Tot Ion:172 Resp: 90748

Ion Ratio Lower Upper

172 100

171 34.2 29.4 44.0

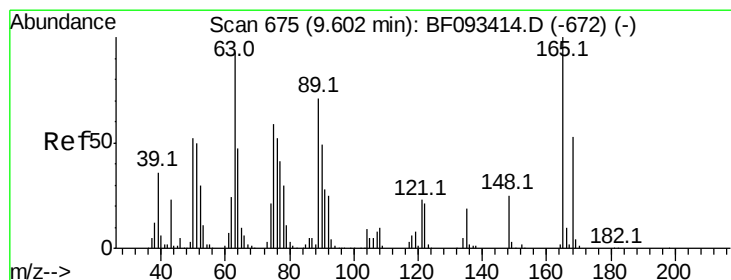
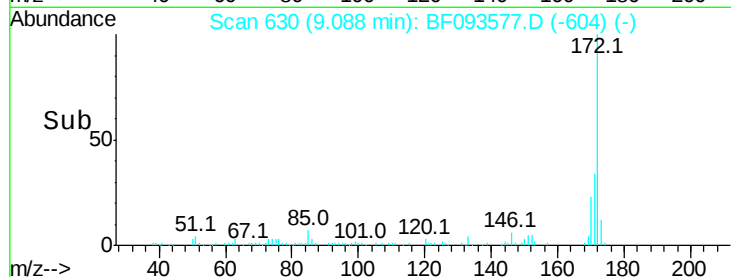
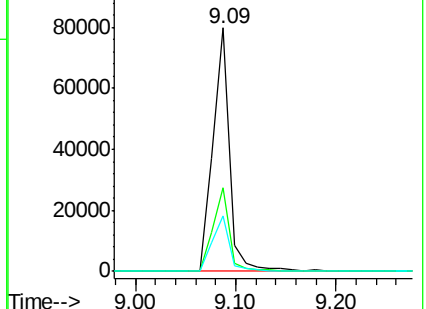
170 23.0 20.2 30.4



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



#50

2,6-Dinitrotoluene

Concen: 8.83 ng

RT: 9.75 min Scan# 688

Delta R.T. 0.18 min

Lab File: BF093577.D

Acq: 11 Mar 2017 19:48

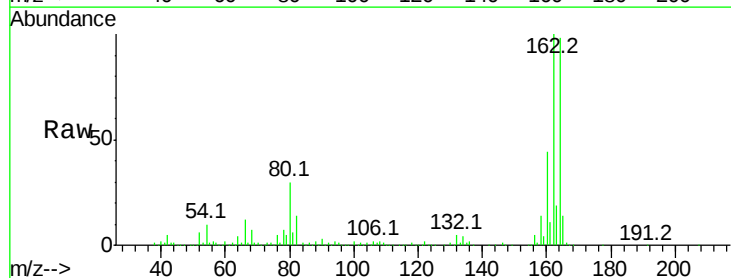
Tgt Ion:165 Resp: 40717

Ion Ratio Lower Upper

165 100

63 1.9 36.2 54.4#

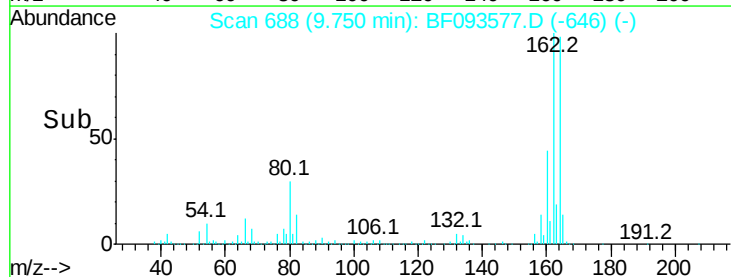
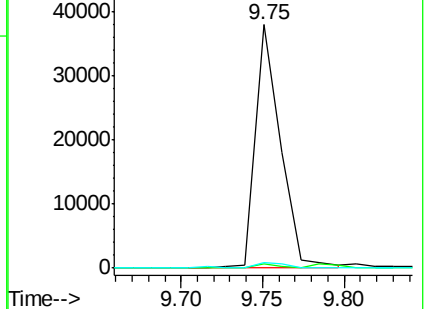
89 2.3 40.2 60.4#

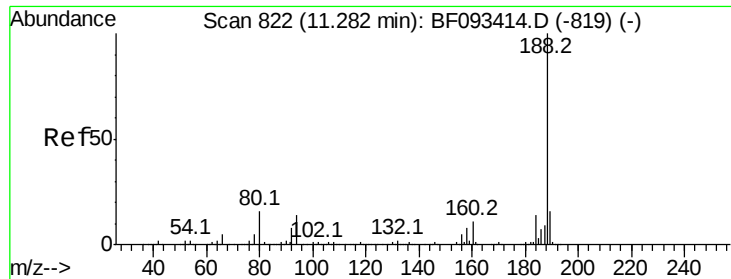


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

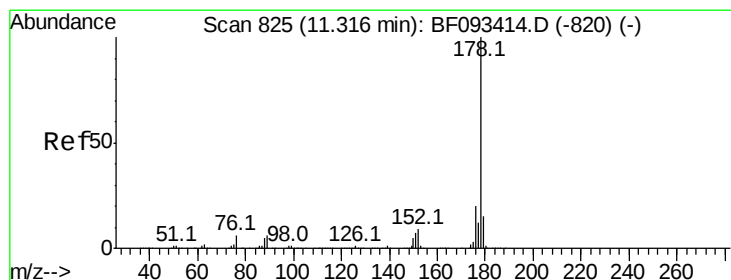
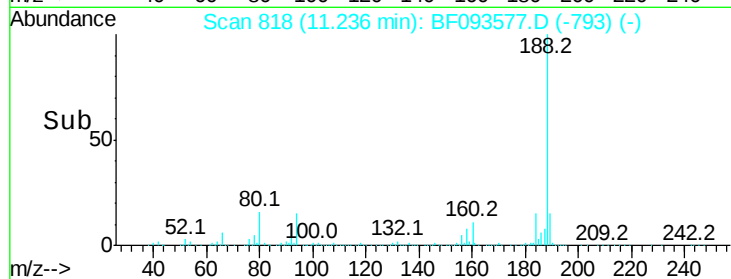
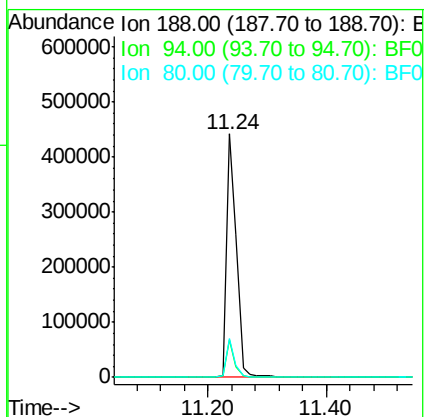
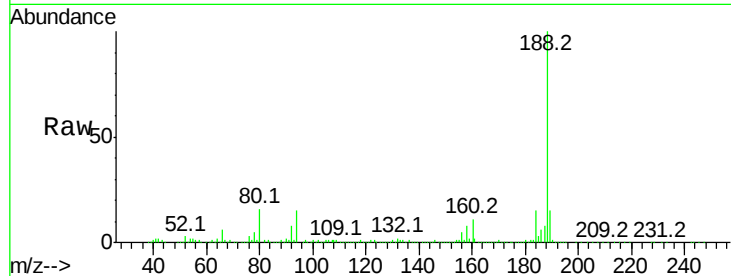




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF093577.D
Acq: 11 Mar 2017 19:48

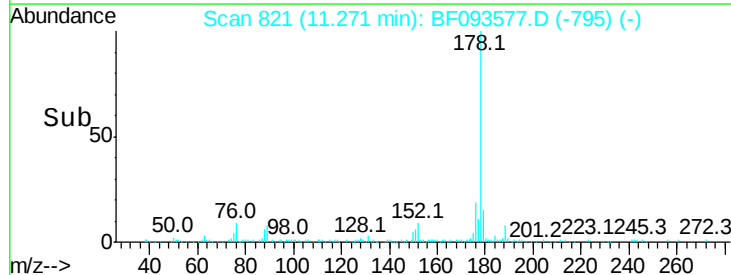
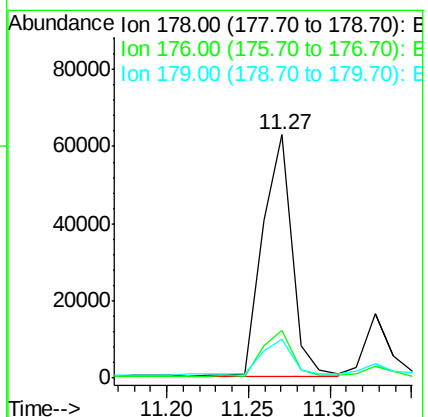
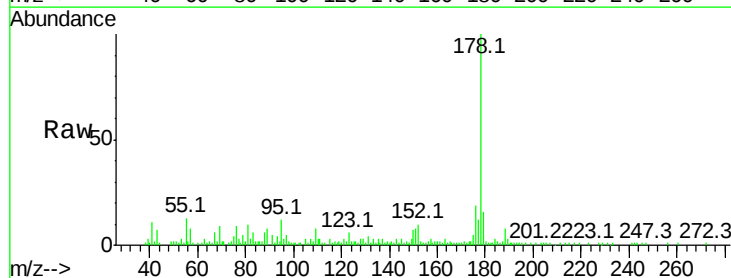
Instrument :
BNA_F
ClientSampled :

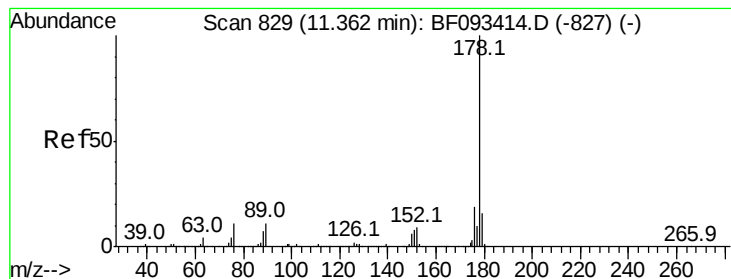
Tot Ion:188 Resp: 506701
Ion Ratio Lower Upper
188 100
94 15.5 10.0 15.0#
80 15.9 11.2 16.8



#70
Phenanthrene
Concen: 2.71 ng
RT: 11.27 min Scan# 821
Delta R.T. -0.00 min
Lab File: BF093577.D
Acq: 11 Mar 2017 19:48

Tgt Ion:178 Resp: 78265
Ion Ratio Lower Upper
178 100
176 19.4 16.6 25.0
179 16.2 12.8 19.2

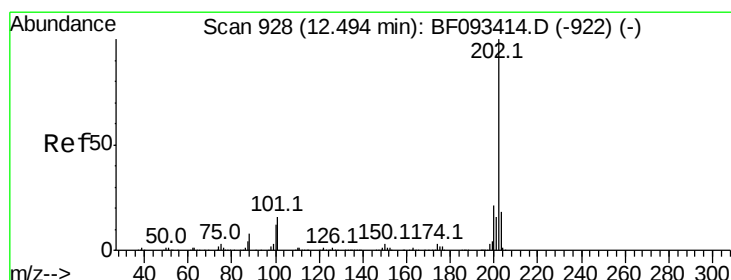
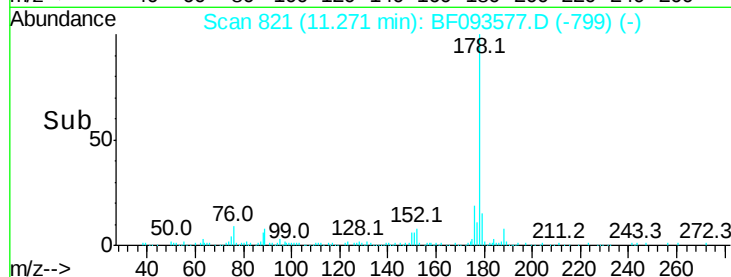
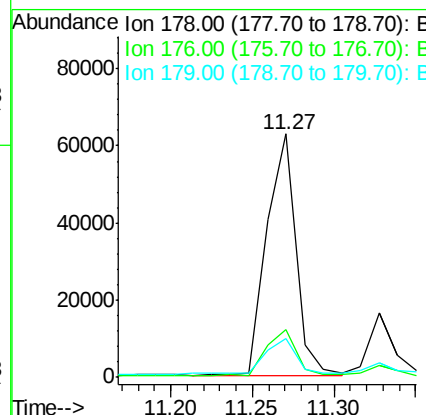
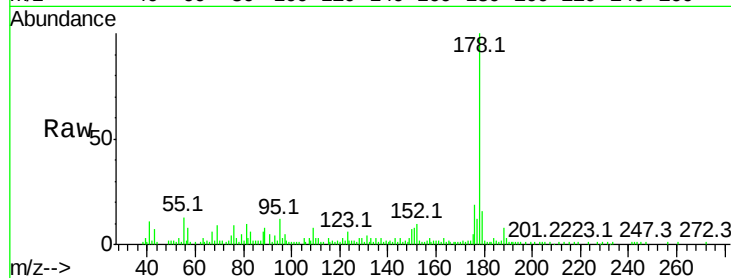




#71
 Anthracene
 Concen: 2.68 ng
 RT: 11.27 min Scan# 821
 Delta R.T. -0.05 min
 Lab File: BF093577.D
 Acq: 11 Mar 2017 19:48

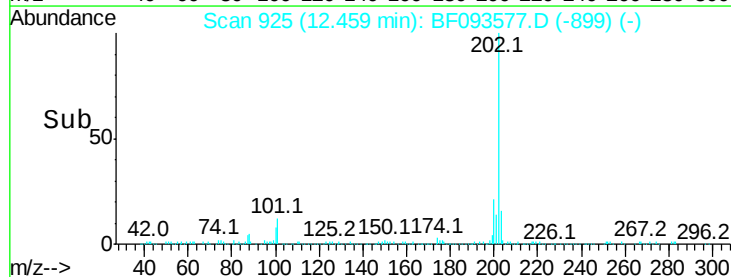
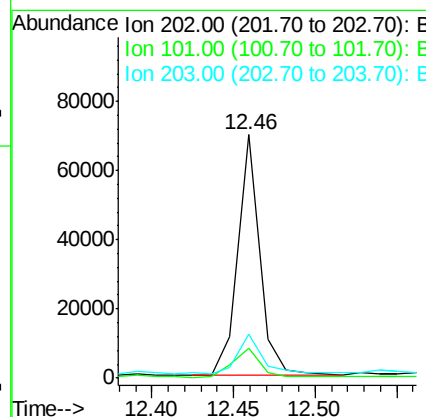
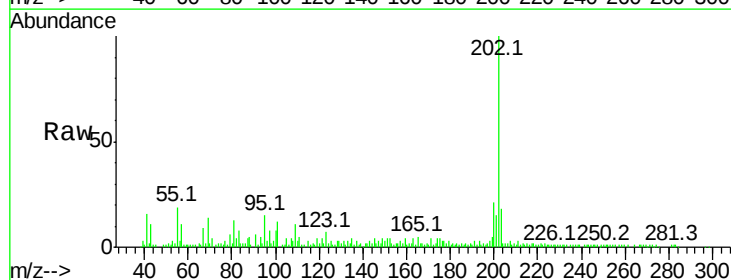
Instrument :
 BNA_F
 ClientSampleId :

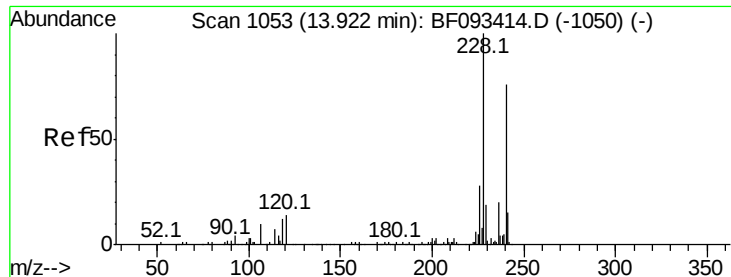
Tot Ion:178 Resp: 78265
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.9 23.9
 179 16.2 13.2 19.8



#74
 Fluoranthene
 Concen: 2.32 ng
 RT: 12.46 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: BF093577.D
 Acq: 11 Mar 2017 19:48

Tgt Ion:202 Resp: 64740
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 34.6
 203 17.9 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1049

Delta R.T. -0.01 min

Lab File: BF093577.D

Acq: 11 Mar 2017 19:48

Instrument :

BNA_F

ClientSampleId :

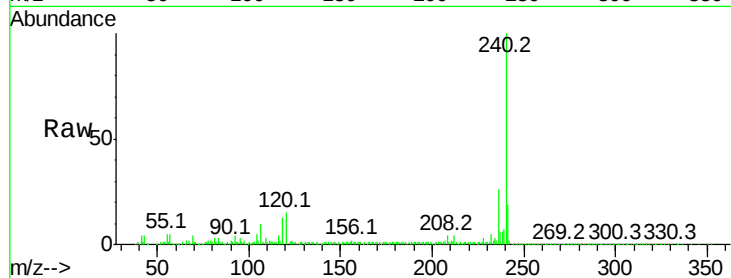
Tot Ion:240 Resp: 361585

Ion Ratio Lower Upper

240 100

120 14.9 12.9 19.3

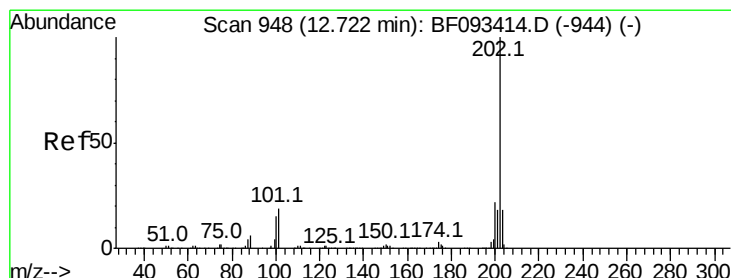
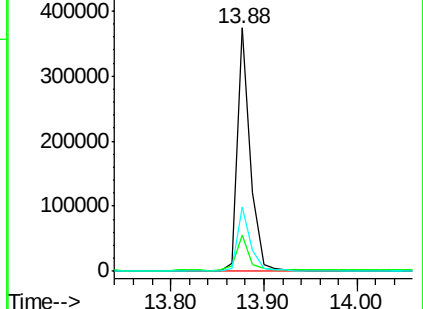
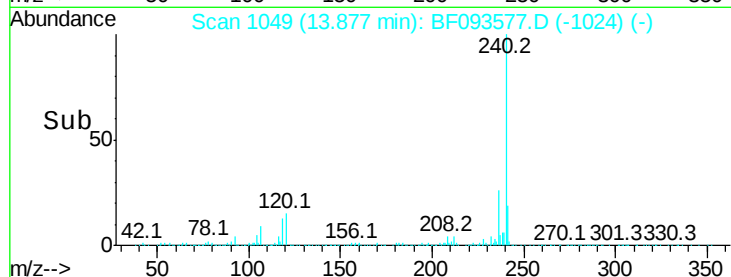
236 26.4 20.9 31.3



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: 2.13 ng

RT: 12.69 min Scan# 945

Delta R.T. 0.01 min

Lab File: BF093577.D

Acq: 11 Mar 2017 19:48

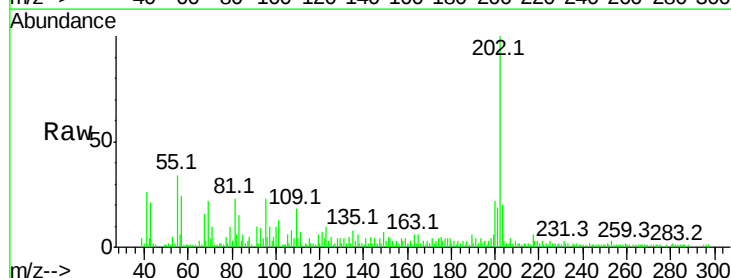
Tgt Ion:202 Resp: 56090

Ion Ratio Lower Upper

202 100

200 22.2 17.7 26.5

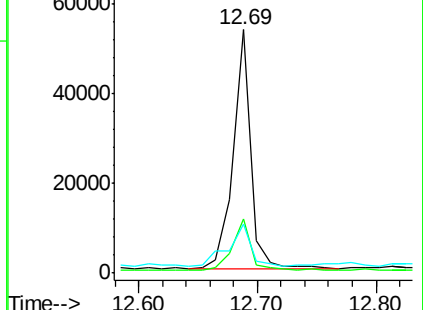
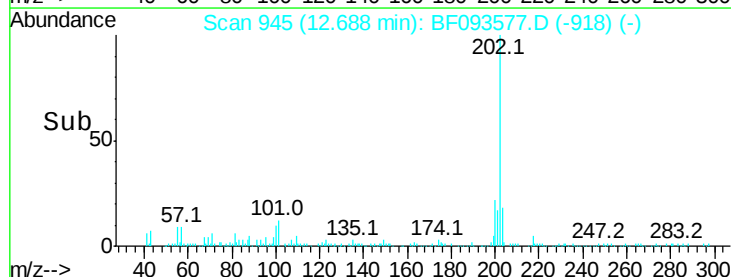
203 20.4 14.7 22.1

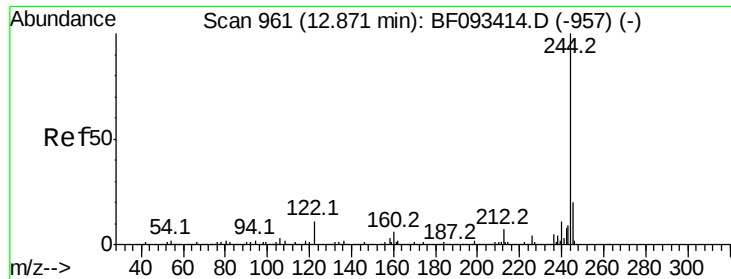


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 4.15 ng

RT: 12.83 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF093577.D

Acq: 11 Mar 2017 19:48

Instrument :
BNA_F
ClientSampleId :

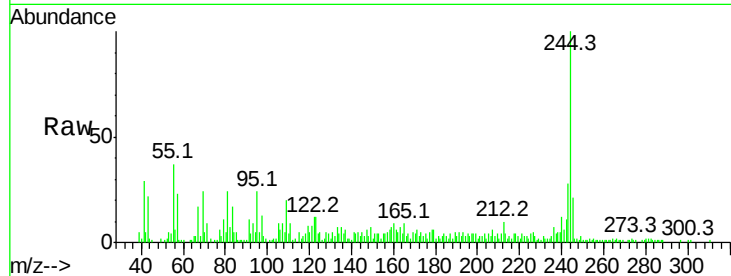
Tot Ion:244 Resp: 57749

Ion Ratio Lower Upper

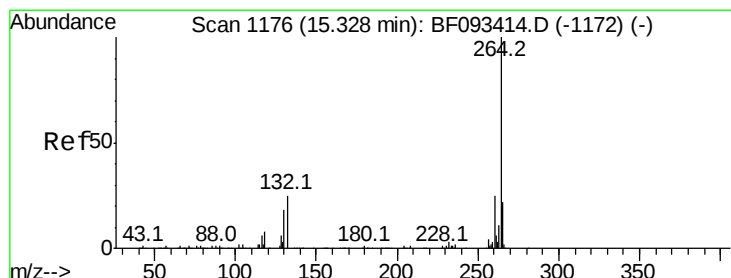
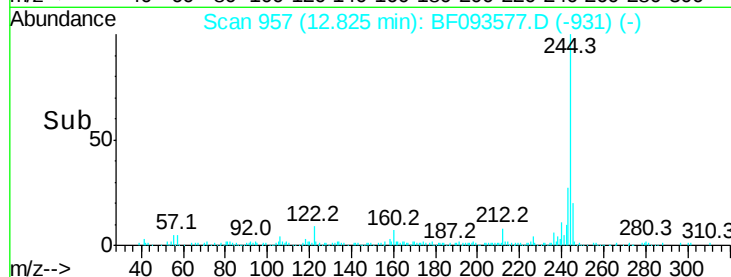
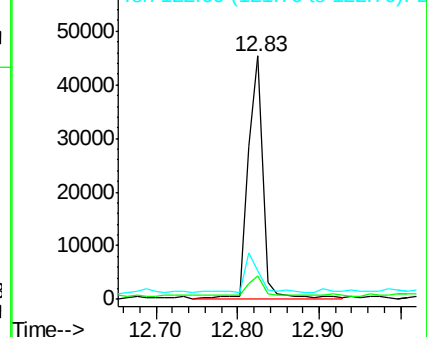
244 100

212 9.5 6.2 9.2#

122 11.9 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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.28 min Scan# 1172

Delta R.T. -0.00 min

Lab File: BF093577.D

Acq: 11 Mar 2017 19:48

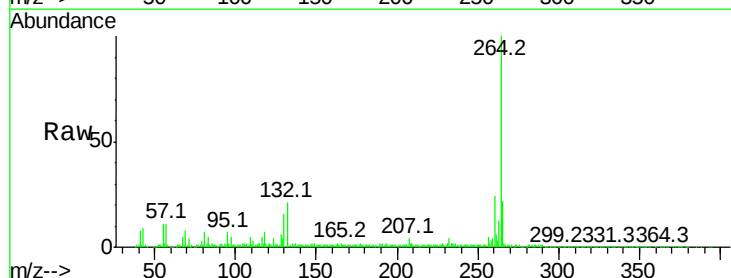
Tgt Ion:264 Resp: 315255

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 22.2 17.4 26.0



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

