

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032817\
 Data File : BF094014.D
 Acq On : 29 Mar 2017 1:11
 Operator : SJ/MA
 Sample : I2414-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 29 02:42:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

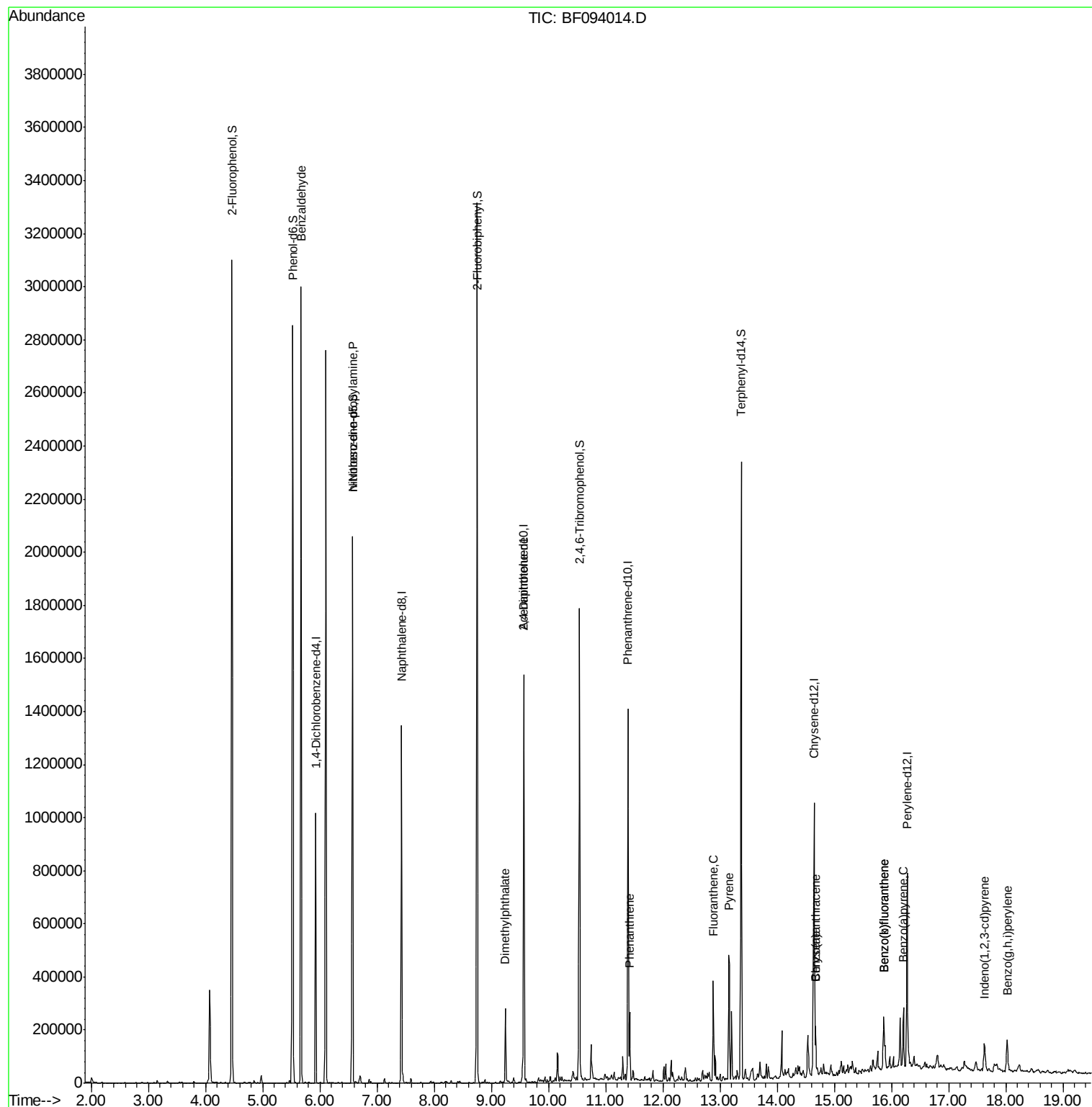
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.93	152	169751	20.00	ng	-0.02
21) Naphthalene-d8	7.43	136	696727	20.00	ng	-0.03
38) Acenaphthene-d10	9.57	164	318280	20.00	ng	-0.03
63) Phenanthrene-d10	11.39	188	544989	20.00	ng	-0.03
75) Chrysene-d12	14.64	240	373510	20.00	ng	-0.04
86) Perylene-d12	16.27	264	289344	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	4.46	112	916196	91.16	ng	-0.01
7) Phenol-d6	5.53	99	1222984	98.36	ng	-0.02
23) Nitrobenzene-d5	6.57	82	858763	70.34	ng	-0.03
41) 2,4,6-Tribromophenol	10.55	330	237959	94.61	ng	-0.03
44) 2-Fluorobiphenyl	8.75	172	1335893	64.02	ng	-0.03
78) Terphenyl-d14	13.37	244	838265	50.31	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	5.67	77	21396	2.55	ng	81
19) n-Nitroso-di-n-propylamine	6.57	70	111639	13.97	ng	# 79
49) Dimethylphthalate	9.25	163	117836	5.21	ng	# 99
56) 2,4-Dinitrotoluene	9.57	165	41788	6.41	ng	# 33
70) Phenanthrene	11.42	178	100941	3.33	ng	99
74) Fluoranthene	12.88	202	172096	5.54	ng	99
77) Pyrene	13.16	202	208800	7.70	ng	97
80) Benzo(a)anthracene	14.67	228	80259	3.68	ng	97
82) Chrysene	14.67	228	80259	3.97	ng	99
85) Indeno(1,2,3-cd)pyrene	17.63	276	60782	3.47	ng	95
87) Benzo(b)fluoranthene	15.86	252	131844	7.43	ng	98
88) Benzo(k)fluoranthene	15.86	252	131844	7.60	ng	97
89) Benzo(a)pyrene	16.21	252	88383	5.41	ng	99
91) Benzo(a,h,i)perylene	18.03	276	85259	6.12	ng	99

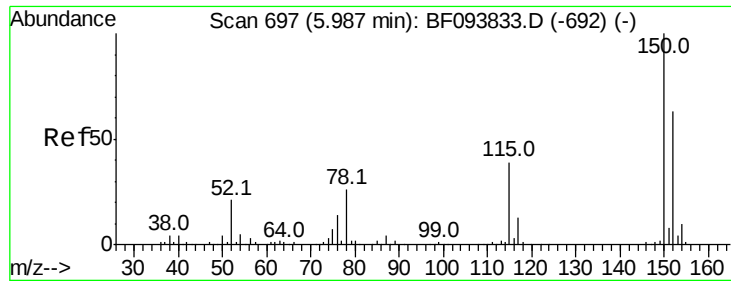
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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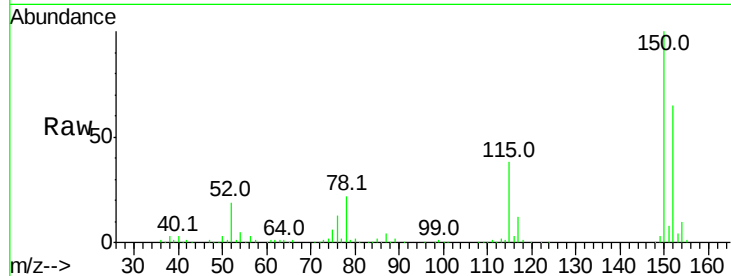


#1

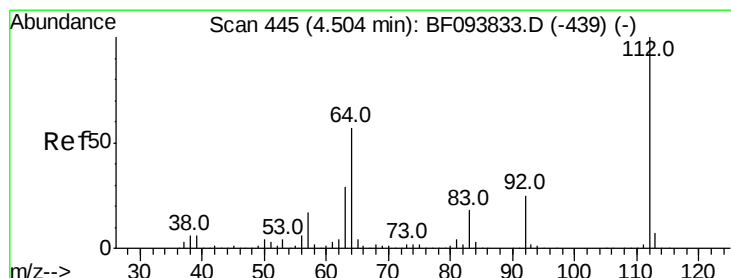
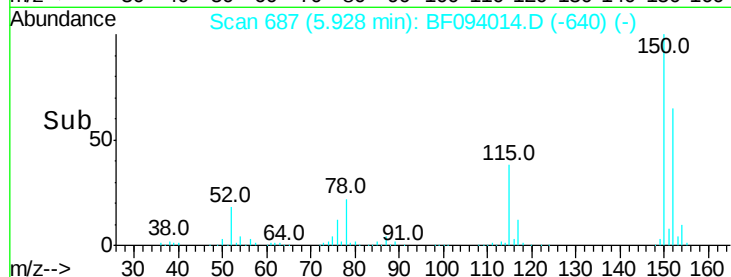
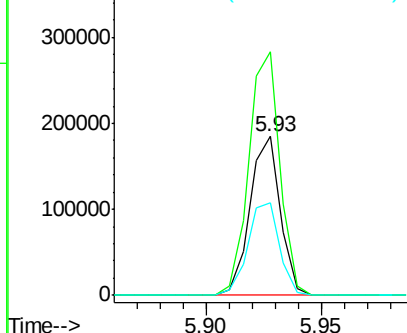
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.93 min Scan# 687
 Delta R.T. -0.02 min
 Lab File: BF094014.D
 Acq: 29 Mar 2017 1:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 169751
 Ion Ratio Lower Upper
 152 100
 150 153.0 126.2 189.2
 115 58.3 52.2 78.2



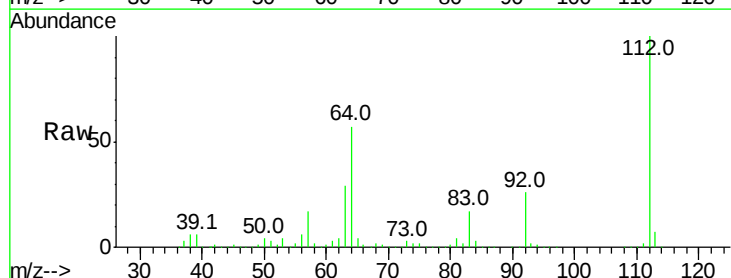
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



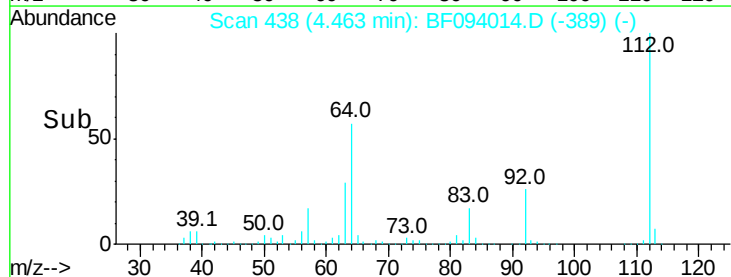
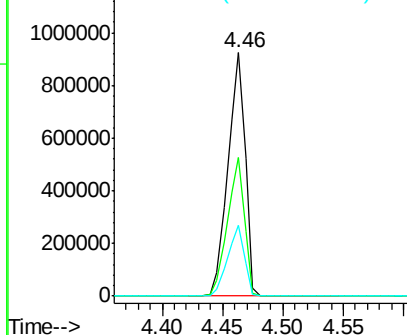
#5

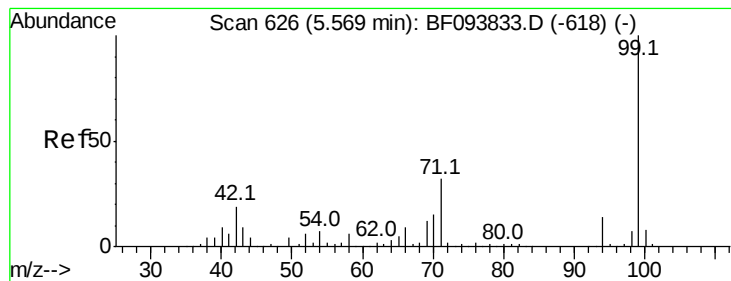
2-Fluorophenol
 Concen: 91.16 ng
 RT: 4.46 min Scan# 438
 Delta R.T. -0.01 min
 Lab File: BF094014.D
 Acq: 29 Mar 2017 1:11

Tgt Ion:112 Resp: 916196
 Ion Ratio Lower Upper
 112 100
 64 57.0 46.0 69.0
 63 28.9 23.4 35.0



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: 98.36 ng

RT: 5.53 min Scan# 619

Delta R.T. -0.02 min

Lab File: BF094014.D

Acq: 29 Mar 2017 1:11

Instrument :

BNA_F

ClientSampled :

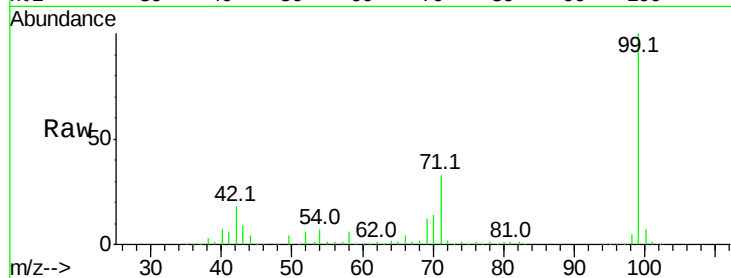
Tot Ion: 99 Resp: 1222984

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

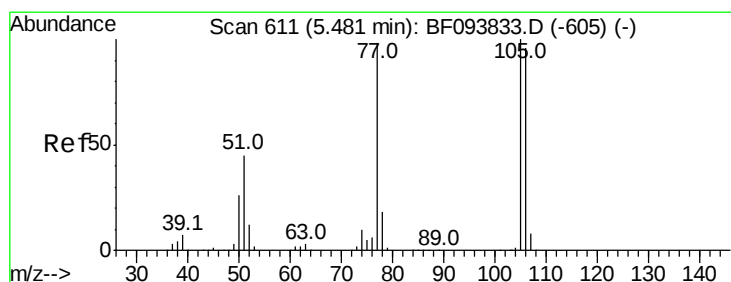
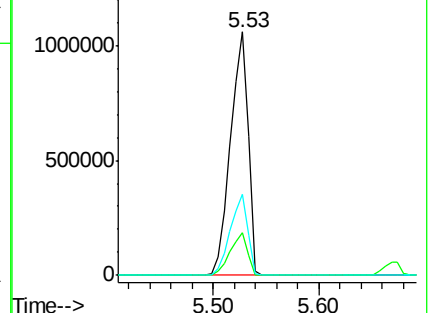
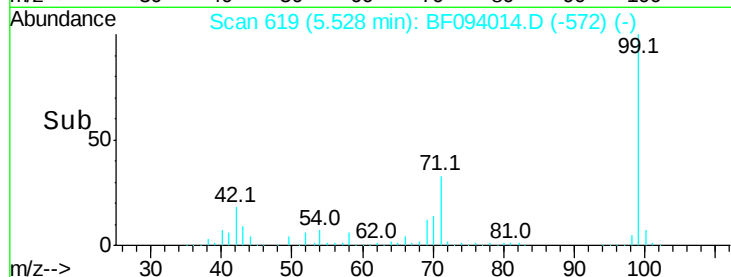
71 33.1 24.5 36.7



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



#9

Benzaldehyde

Concen: 2.55 ng

RT: 5.67 min Scan# 643

Delta R.T. 0.22 min

Lab File: BF094014.D

Acq: 29 Mar 2017 1:11

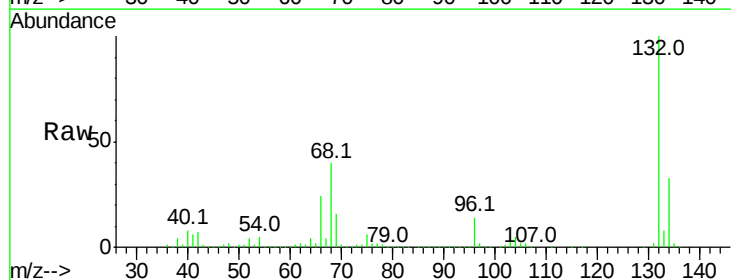
Tgt Ion: 77 Resp: 21396

Ion Ratio Lower Upper

77 100

105 84.8 83.8 123.8

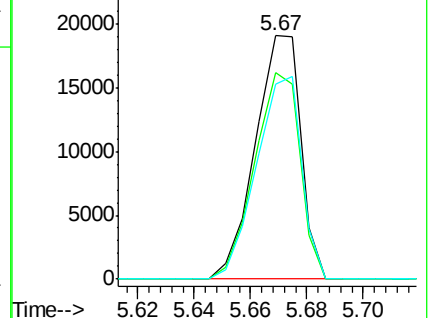
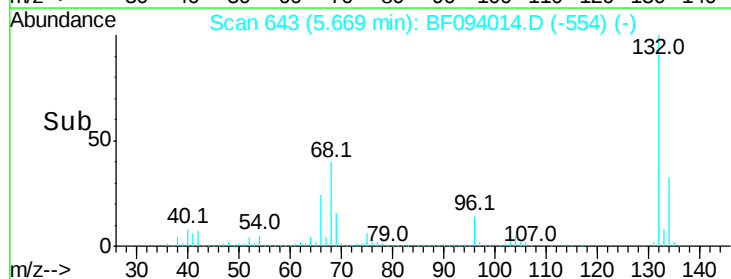
106 80.3 79.1 119.1

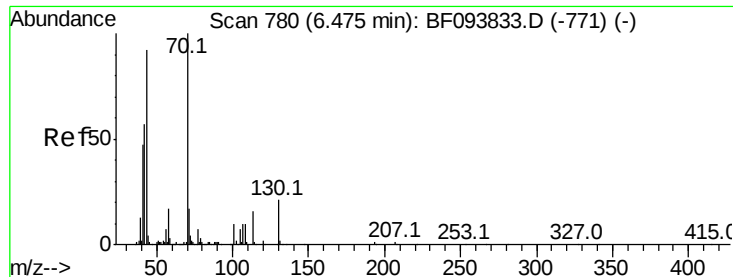


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 13.97 ng

RT: 6.57 min Scan# 797

Delta R.T. 0.14 min

Lab File: BF094014.D

Acq: 29 Mar 2017 1:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 111639

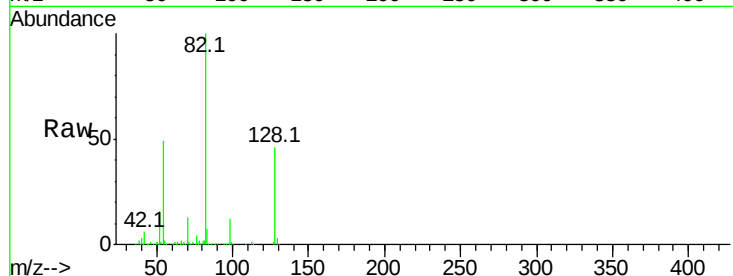
Ion Ratio Lower Upper

70 100

42 48.3 47.2 70.8

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

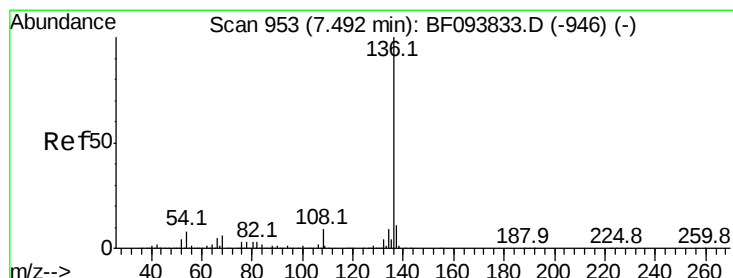
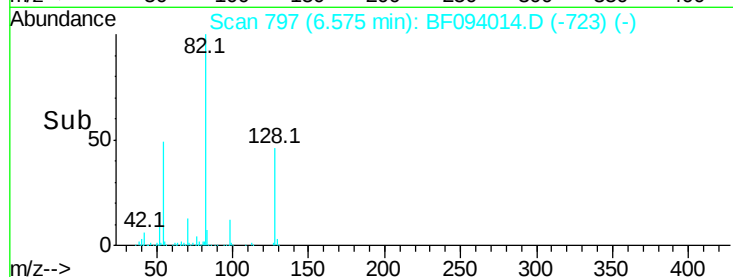
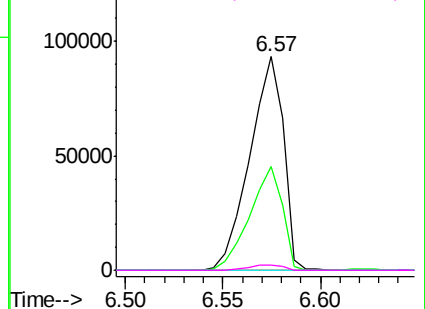


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.43 min Scan# 942

Delta R.T. -0.03 min

Lab File: BF094014.D

Acq: 29 Mar 2017 1:11

Tgt Ion: 136 Resp: 696727

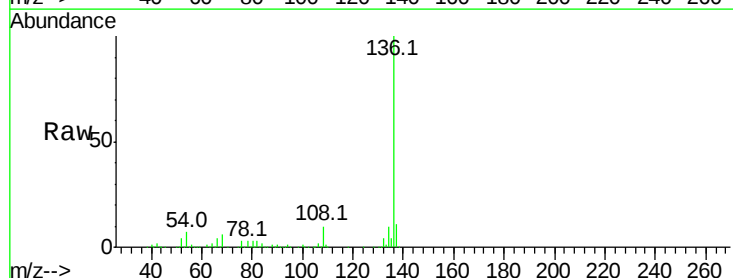
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.3 4.9 7.3

68 6.2 4.1 6.1#

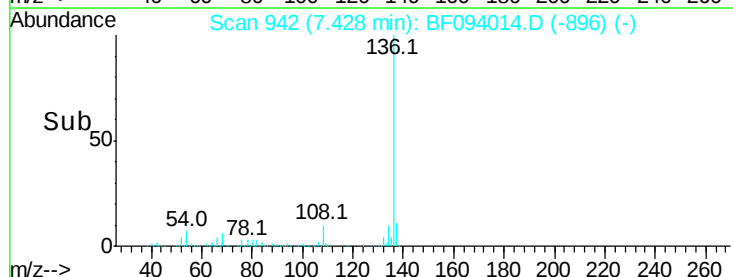
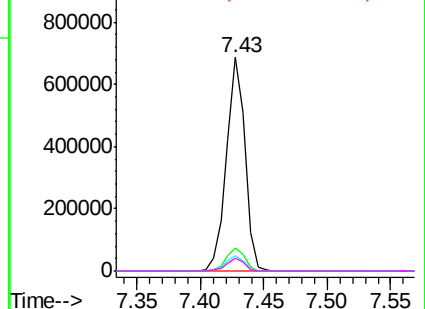


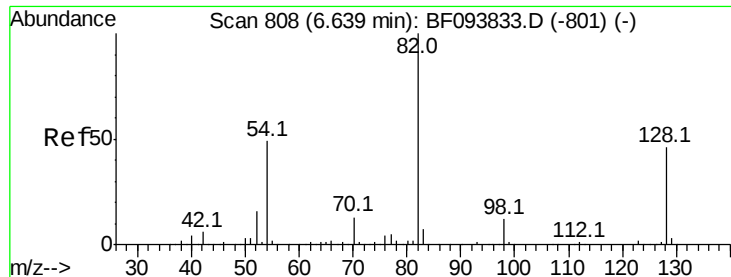
Abundance Ion 136.00 (135.70 to 136.70): E

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

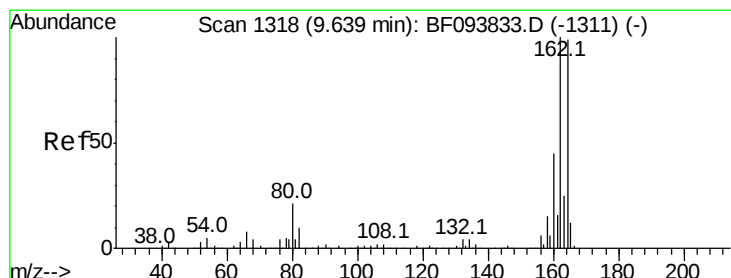
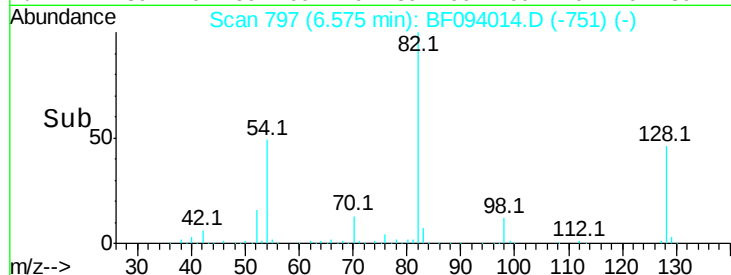
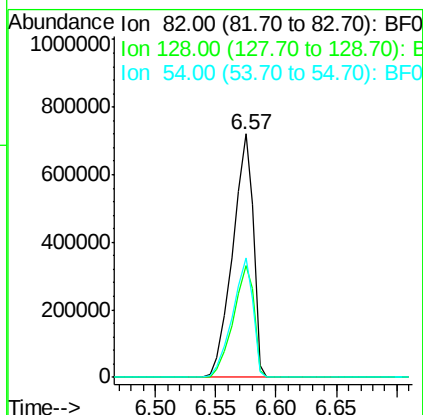
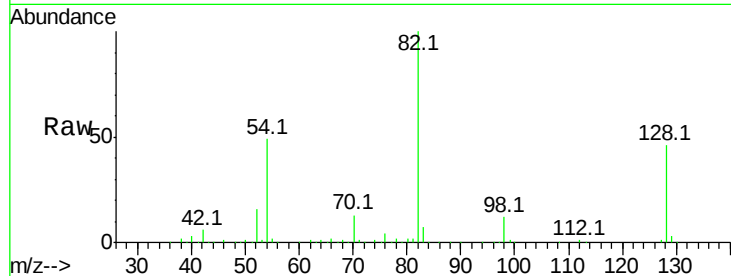




#23
 Nitrobenzene-d5
 Concen: 70.34 ng
 RT: 6.57 min Scan# 797
 Delta R.T. -0.03 min
 Lab File: BF094014.D
 Acq: 29 Mar 2017 1:11

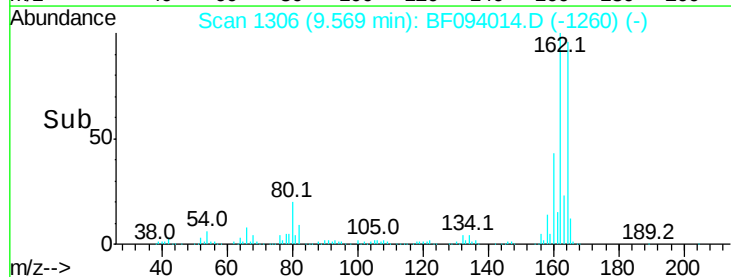
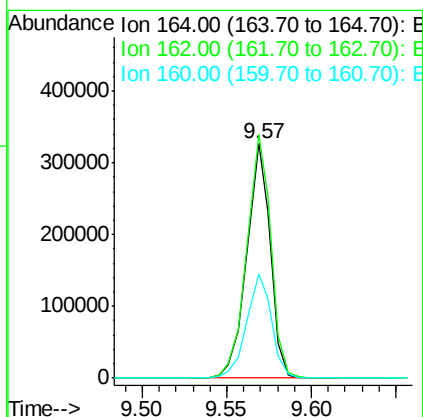
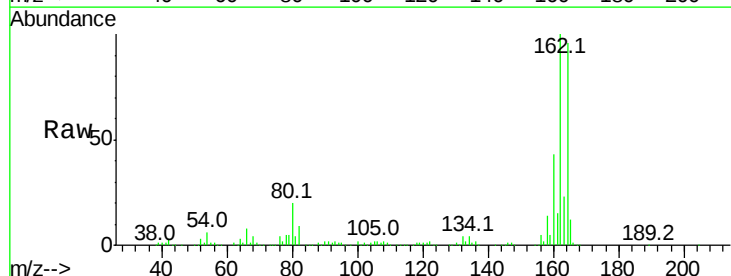
Instrument :
 BNA_F
 ClientSampled :

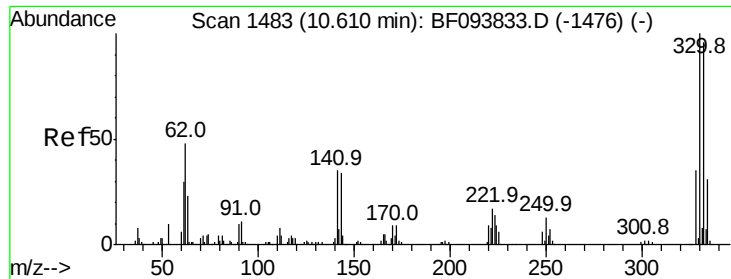
Tot Ion: 82 Resp: 858763
 Ion Ratio Lower Upper
 82 100
 128 46.0 34.0 51.0
 54 49.1 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.57 min Scan# 1306
 Delta R.T. -0.03 min
 Lab File: BF094014.D
 Acq: 29 Mar 2017 1:11

Tgt Ion:164 Resp: 318280
 Ion Ratio Lower Upper
 164 100
 162 103.9 82.6 123.8
 160 44.5 36.2 54.2

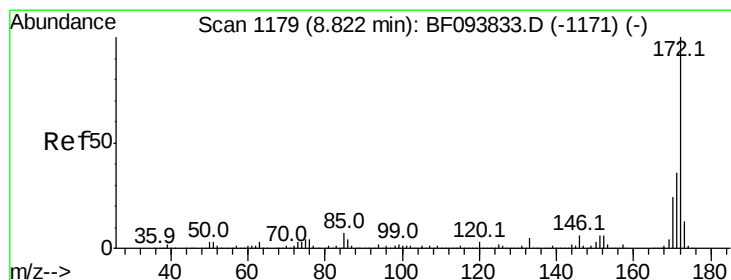
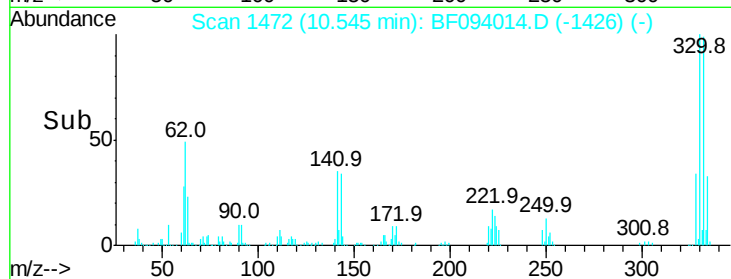
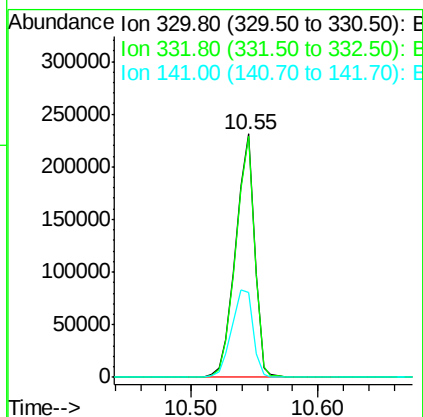
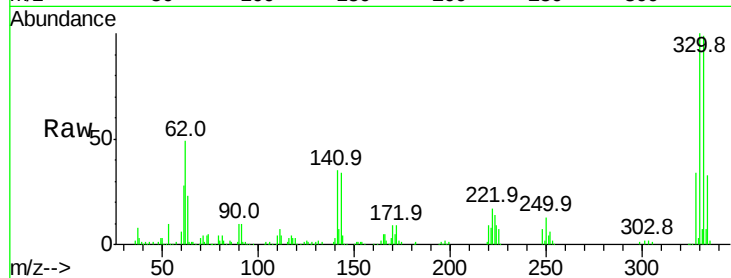




#41
 2,4,6-Tribromophenol
 Concen: 94.61 ng
 RT: 10.55 min Scan# 1472
 Delta R.T. -0.03 min
 Lab File: BF094014.D
 Acq: 29 Mar 2017 1:11

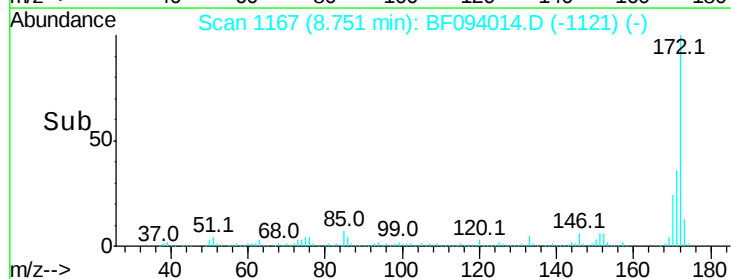
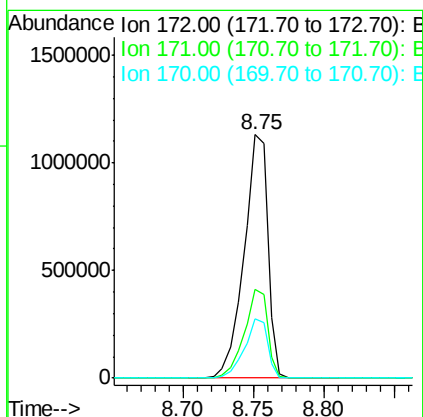
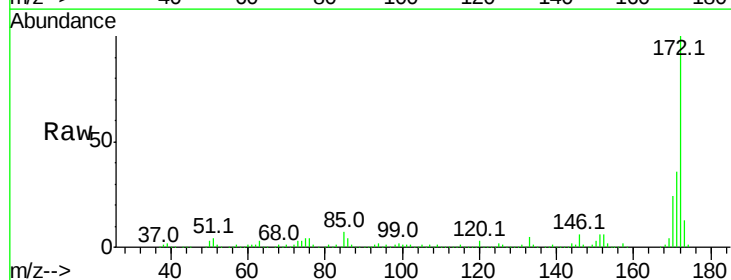
Instrument :
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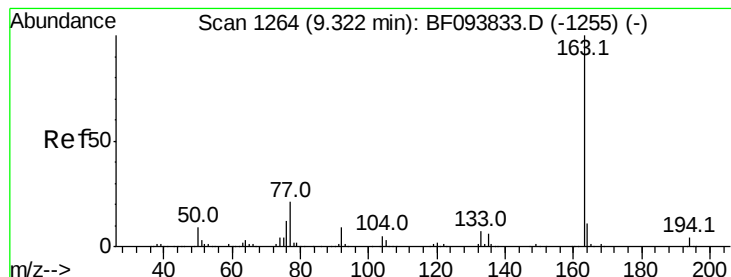
Tot Ion:330 Resp: 237959
 Ion Ratio Lower Upper
 330 100
 332 98.2 76.6 115.0
 141 40.9 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 64.02 ng
 RT: 8.75 min Scan# 1167
 Delta R.T. -0.03 min
 Lab File: BF094014.D
 Acq: 29 Mar 2017 1:11

Tgt Ion:172 Resp: 1335893
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 24.1 19.8 29.8





#49

Dimethylphthalate

Concen: 5.21 ng

RT: 9.25 min Scan# 1251

Delta R.T. -0.04 min

Lab File: BF094014.D

Acq: 29 Mar 2017 1:11

Instrument :

BNA_F

ClientSampleId :

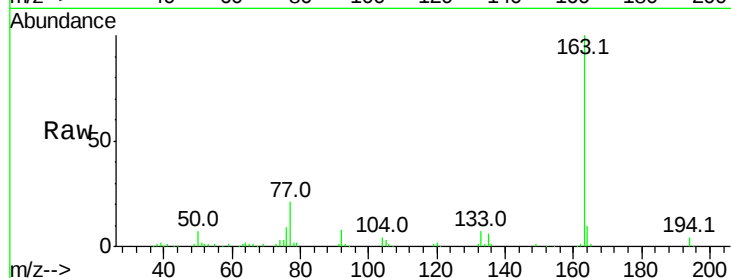
Tot Ion:163 Resp: 117836

Ion Ratio Lower Upper

163 100

194 4.3 2.6 4.0#

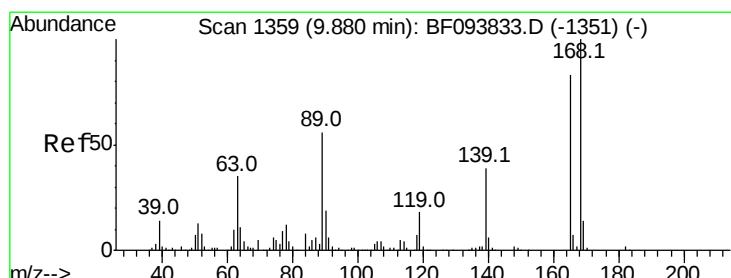
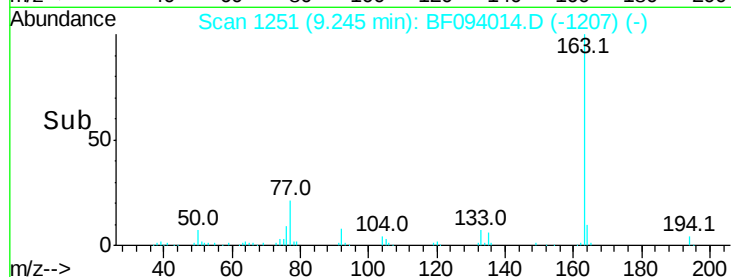
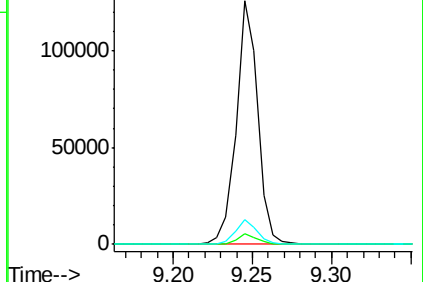
164 10.3 8.4 12.6



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: 6.41 ng

RT: 9.57 min Scan# 1306

Delta R.T. -0.28 min

Lab File: BF094014.D

Acq: 29 Mar 2017 1:11

Tgt Ion:165 Resp: 41788

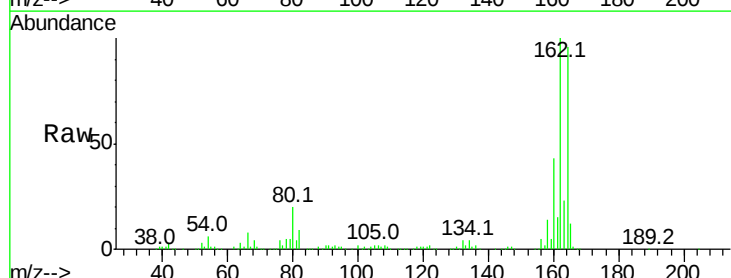
Ion Ratio Lower Upper

165 100

63 2.1 25.4 38.0#

89 1.3 46.4 69.6#

182 0.0 1.8 2.6#

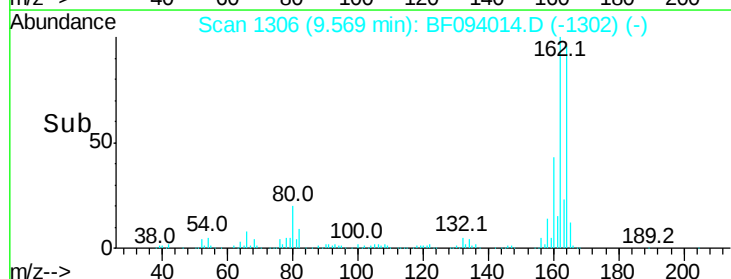
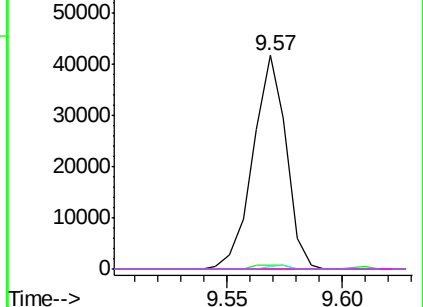


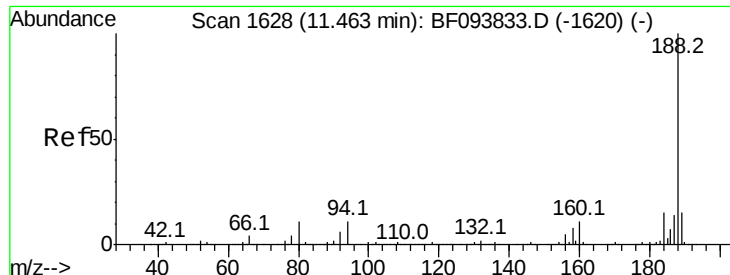
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.39 min Scan# 1616

Delta R.T. -0.03 min

Lab File: BF094014.D

Acq: 29 Mar 2017 1:11

Instrument :

BNA_F

ClientSampleId :

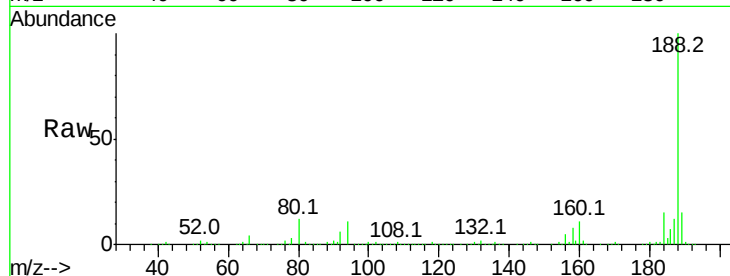
Tot Ion:188 Resp: 544989

Ion Ratio Lower Upper

188 100

94 11.3 9.4 14.2

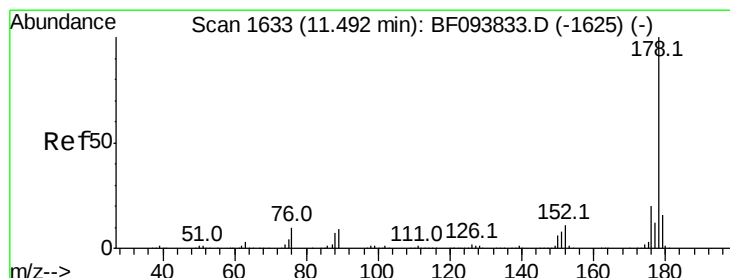
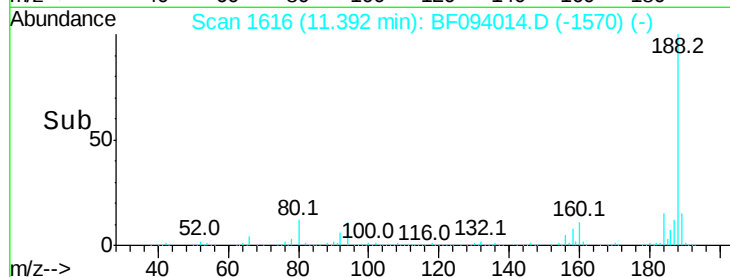
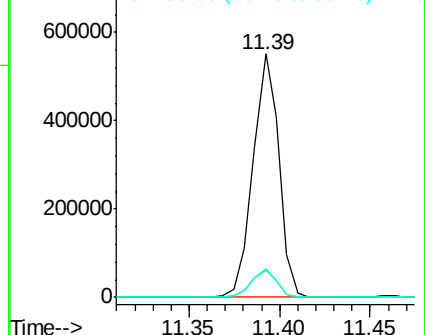
80 11.9 10.2 15.2



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



#70

Phenanthrene

Concen: 3.33 ng

RT: 11.42 min Scan# 1621

Delta R.T. -0.04 min

Lab File: BF094014.D

Acq: 29 Mar 2017 1:11

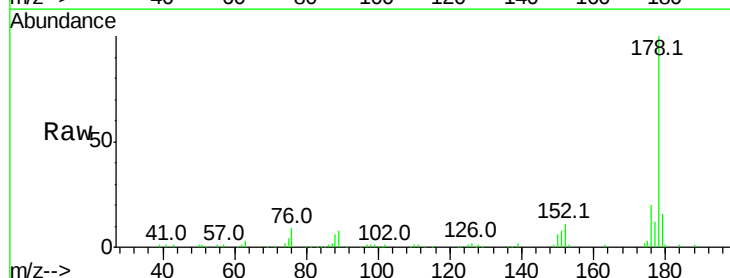
Tgt Ion:178 Resp: 100941

Ion Ratio Lower Upper

178 100

176 19.8 16.2 24.4

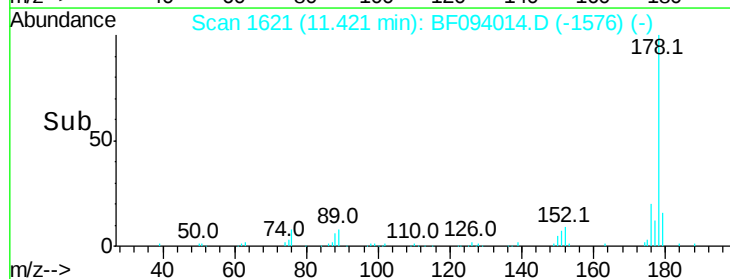
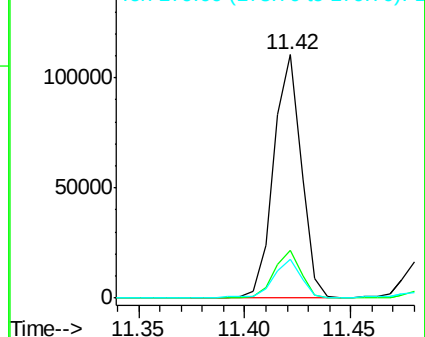
179 15.9 12.6 19.0

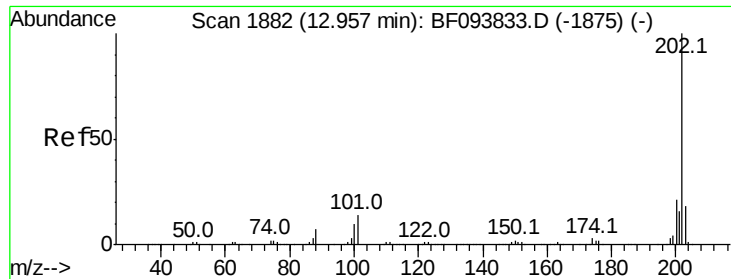


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

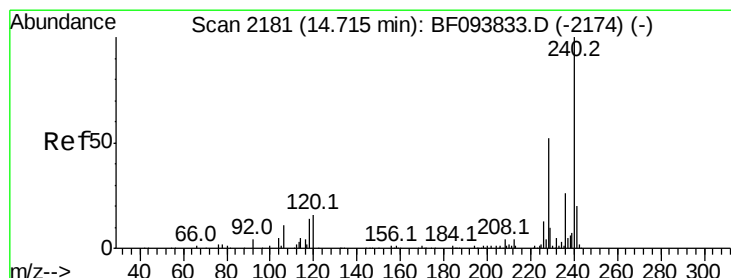
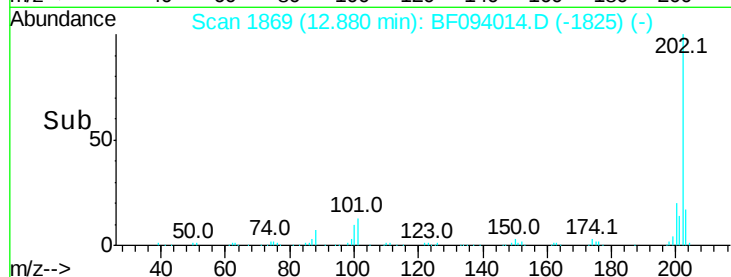
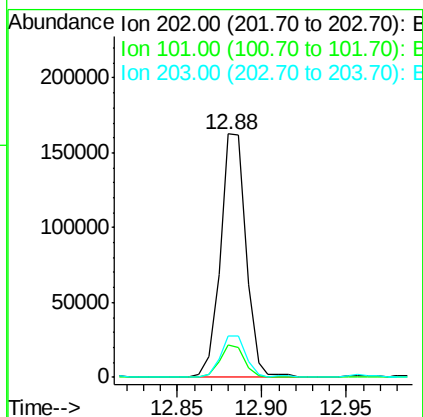
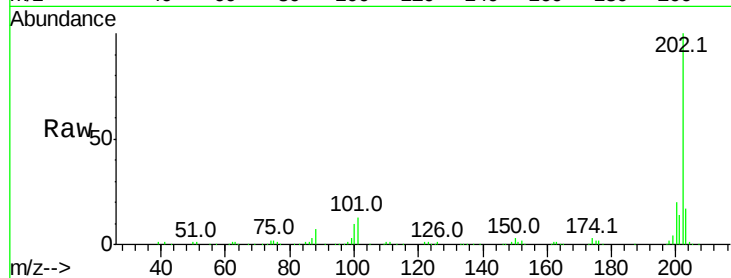




#74
Fluoranthene
Concen: 5.54 ng
RT: 12.88 min Scan# 1869
Delta R.T. -0.04 min
Lab File: BF094014.D
Acq: 29 Mar 2017 1:11

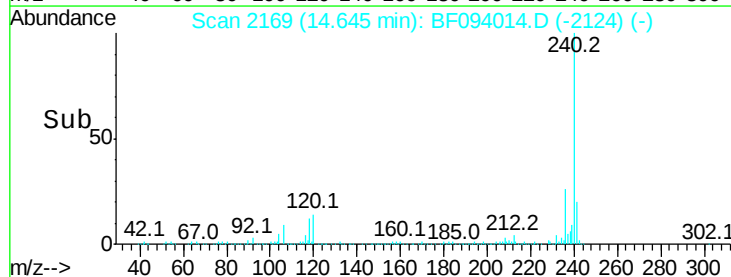
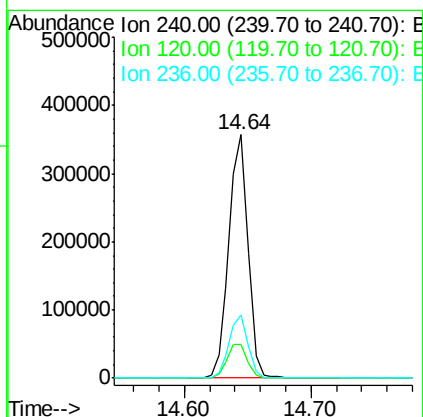
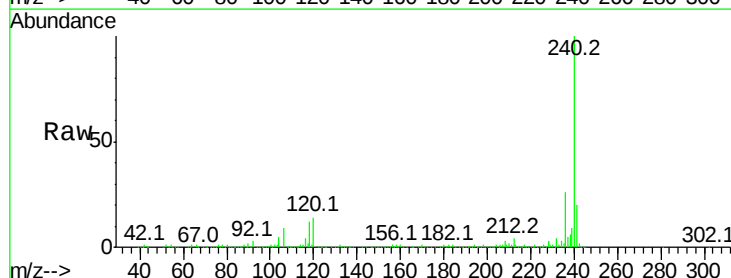
Instrument :
BNA_F
ClientSampleId :

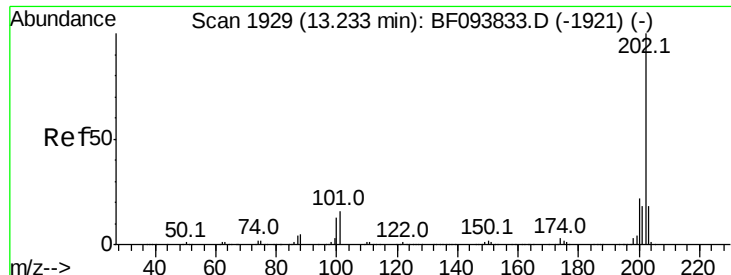
Tot Ion:202 Resp: 172096
Ion Ratio Lower Upper
202 100
101 13.4 0.0 33.2
203 17.1 0.0 38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.64 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF094014.D
Acq: 29 Mar 2017 1:11

Tgt Ion:240 Resp: 373510
Ion Ratio Lower Upper
240 100
120 14.0 5.8 8.8#
236 26.1 20.5 30.7

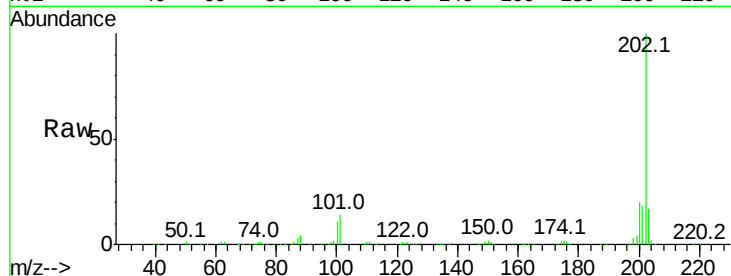




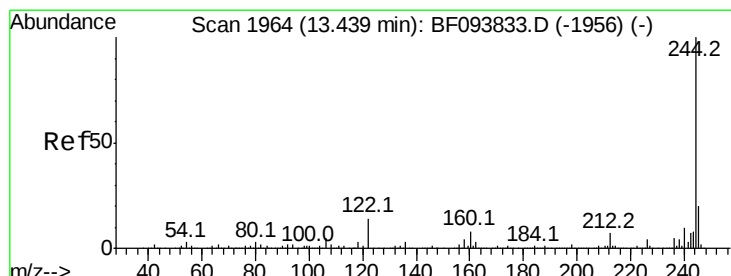
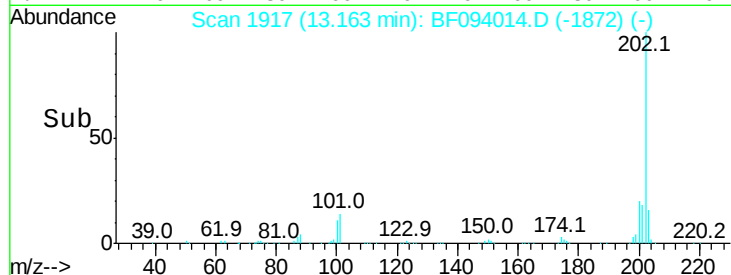
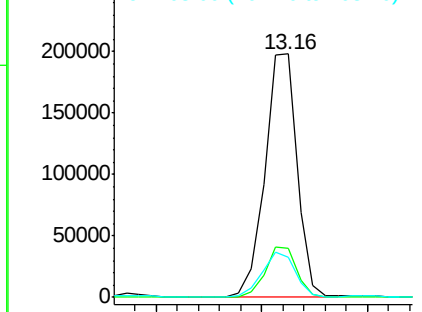
#77
Pvrene
Concen: 7.70 ng
RT: 13.16 min Scan# 1917
Delta R.T. -0.04 min
Lab File: BF094014.D
Acq: 29 Mar 2017 1:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.6	26.4
203	16.7	14.4	21.6

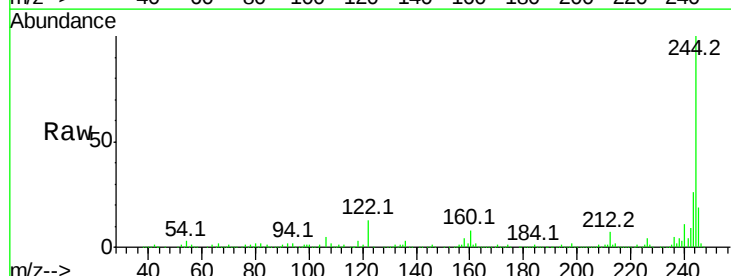


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

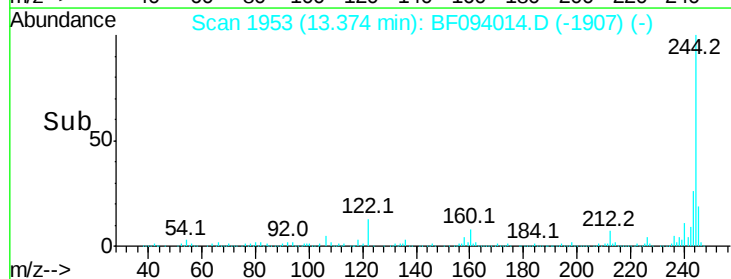
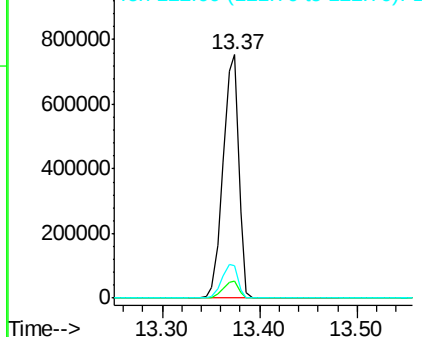


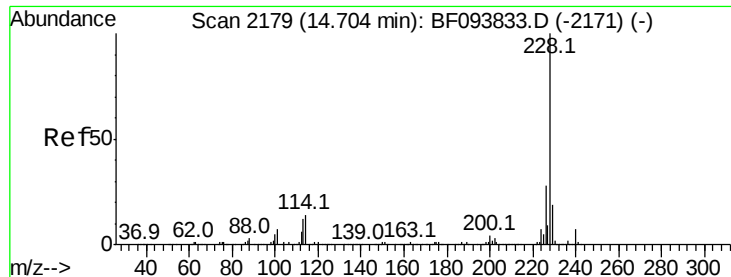
#78
Terphenyl-d14
Concen: 50.31 ng
RT: 13.37 min Scan# 1953
Delta R.T. -0.03 min
Lab File: BF094014.D
Acq: 29 Mar 2017 1:11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	13.3	10.3	15.5



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

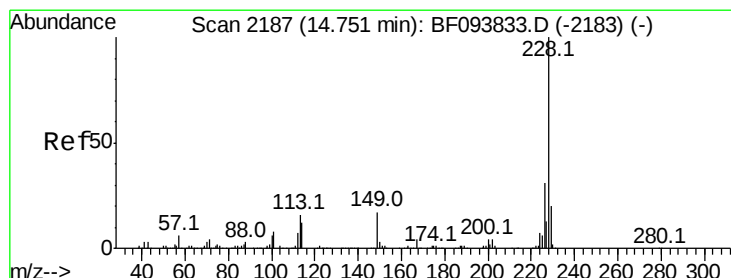
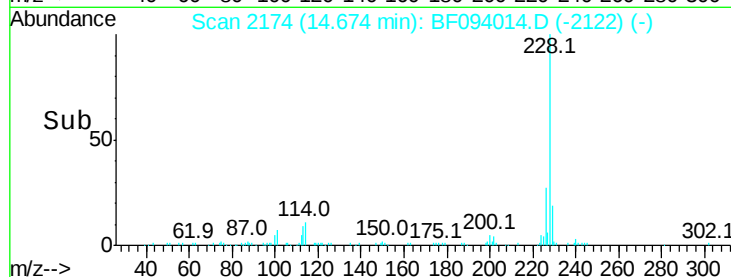
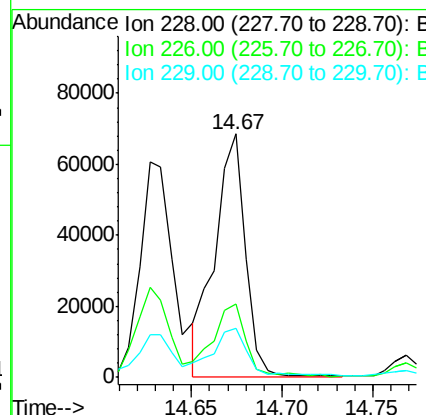
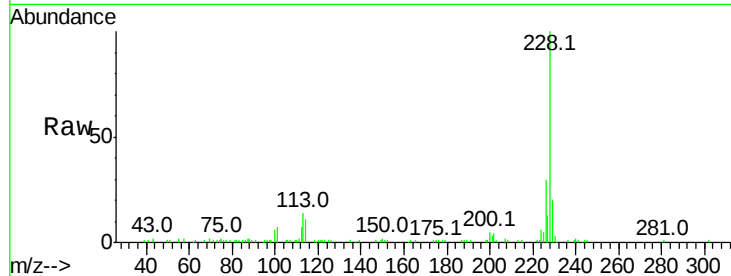




#80
Benzo(a)anthracene
Concen: 3.68 ng
RT: 14.67 min Scan# 2174
Delta R.T. 0.01 min
Lab File: BF094014.D
Acq: 29 Mar 2017 1:11

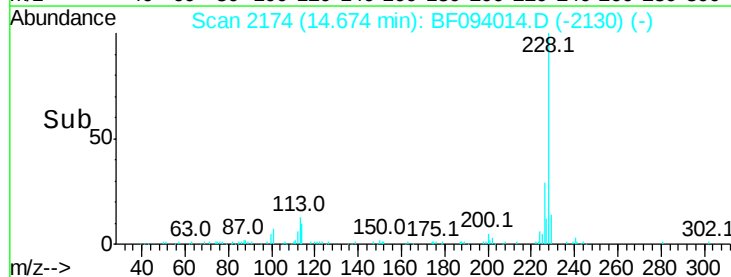
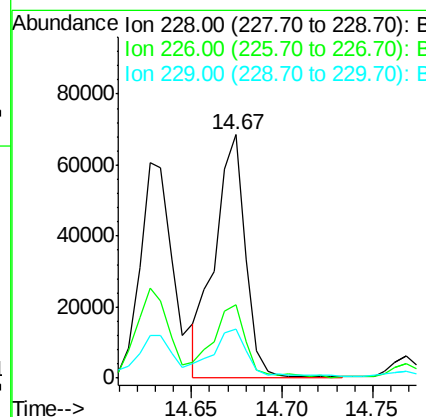
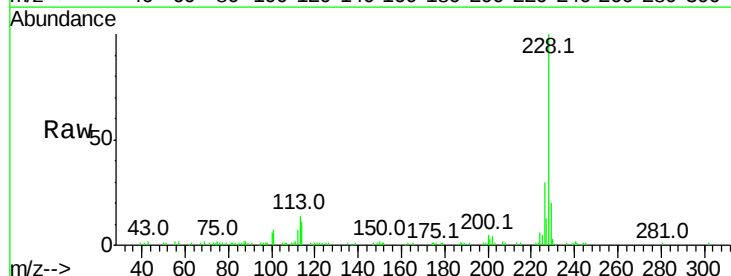
Instrument :
BNA_F
ClientSampleId :

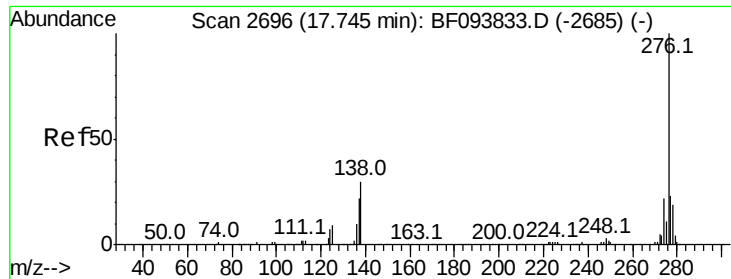
Tot Ion:228 Resp: 80259
Ion Ratio Lower Upper
228 100
226 30.3 22.6 33.8
229 20.2 16.3 24.5



#82
Chrysene
Concen: 3.97 ng
RT: 14.67 min Scan# 2174
Delta R.T. -0.04 min
Lab File: BF094014.D
Acq: 29 Mar 2017 1:11

Tgt Ion:228 Resp: 80259
Ion Ratio Lower Upper
228 100
226 30.3 24.9 37.3
229 20.2 15.8 23.6

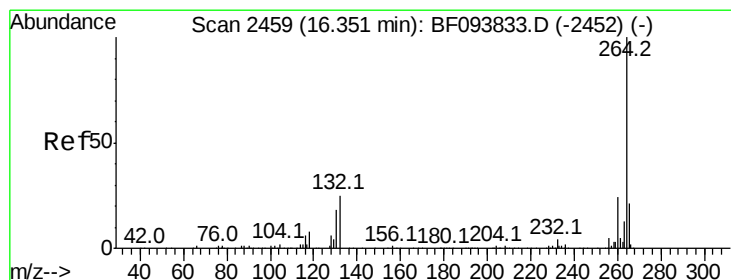
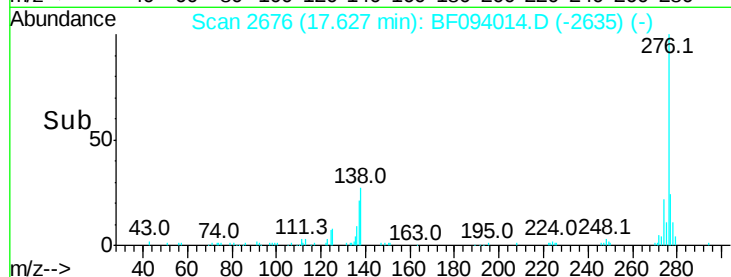
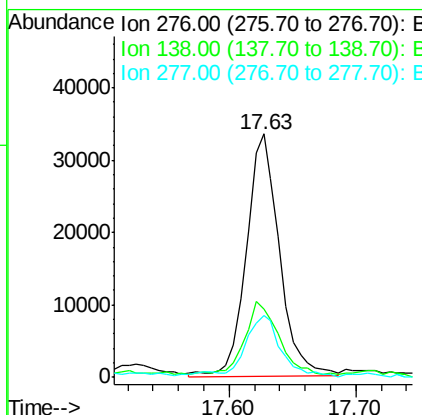
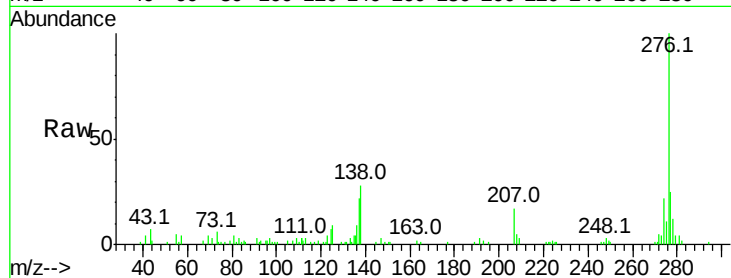




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.47 ng
RT: 17.63 min Scan# 2676
Delta R.T. -0.06 min
Lab File: BF094014.D
Acq: 29 Mar 2017 1:11

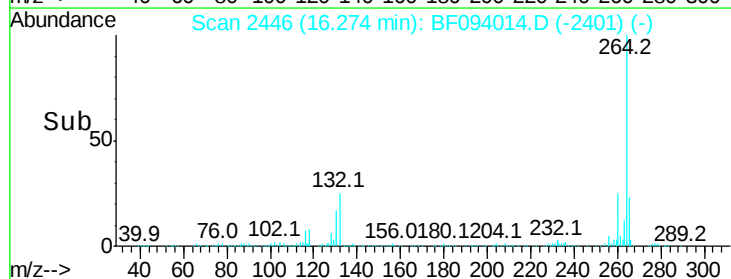
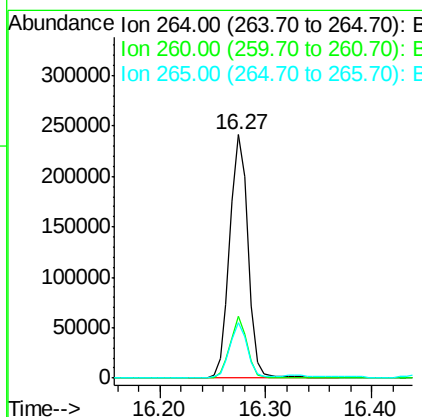
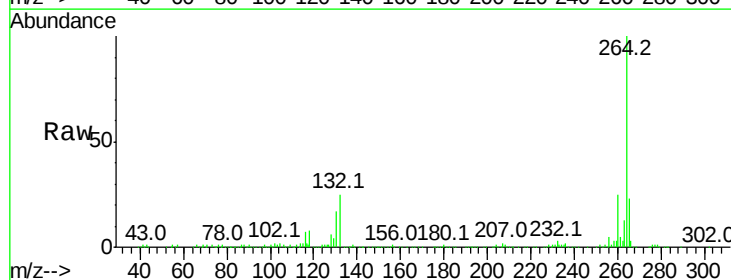
Instrument :
BNA_F
ClientSampleId :

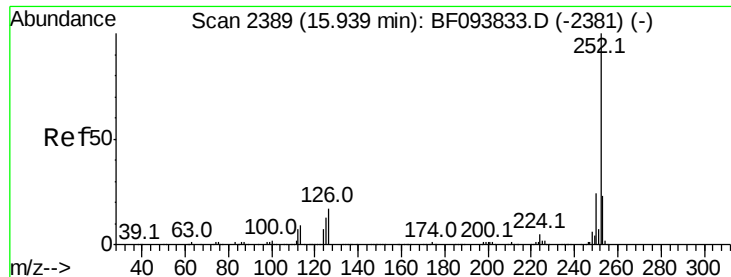
Tot Ion:276 Resp: 60782
Ion Ratio Lower Upper
276 100
138 30.7 27.8 41.6
277 26.6 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.27 min Scan# 2446
Delta R.T. -0.04 min
Lab File: BF094014.D
Acq: 29 Mar 2017 1:11

Tgt Ion:264 Resp: 289344
Ion Ratio Lower Upper
264 100
260 25.1 19.5 29.3
265 22.5 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 7.43 ng

RT: 15.86 min Scan# 2376

Delta R.T. -0.04 min

Lab File: BF094014.D

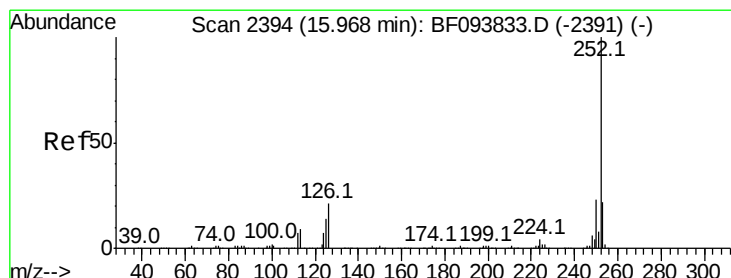
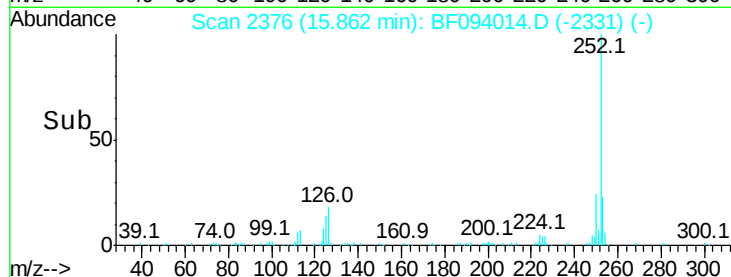
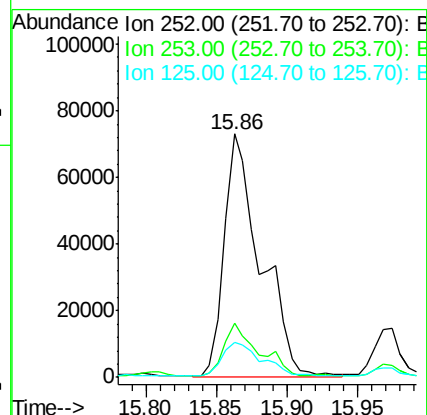
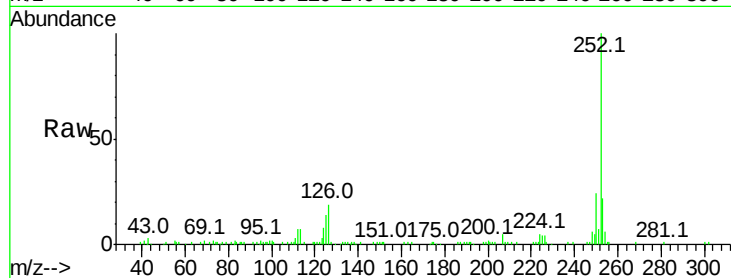
Acq: 29 Mar 2017 1:11

Instrument :

BNA_F

ClientSampled :

Tot Ion:252	Resp:	131844
Ion Ratio	Lower	Upper
252	100	
253	22.4	18.1 27.1
125	14.2	9.8 14.8



#88

Benzo(k)fluoranthene

Concen: 7.60 ng

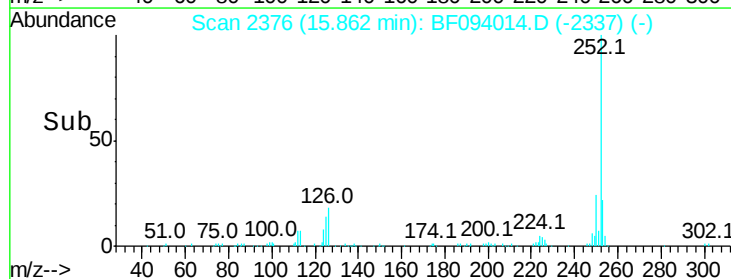
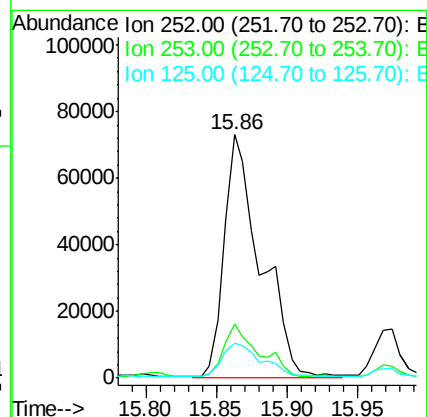
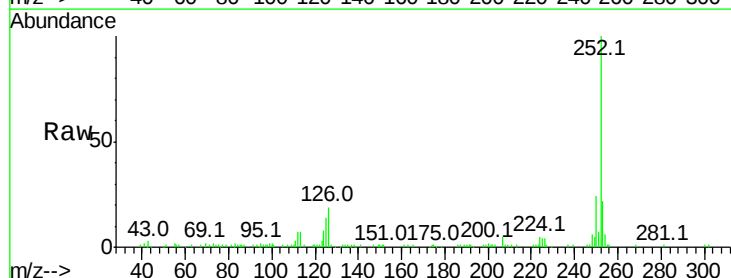
RT: 15.86 min Scan# 2376

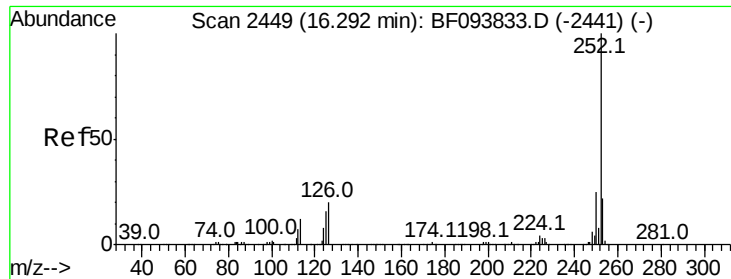
Delta R.T. -0.07 min

Lab File: BF094014.D

Acq: 29 Mar 2017 1:11

Tgt Ion:252	Resp:	131844
Ion Ratio	Lower	Upper
252	100	
253	22.4	18.4 27.6
125	14.2	13.1 19.7





#89

Benzo(a)pyrene

Concen: 5.41 ng

RT: 16.21 min Scan# 2435

Delta R.T. -0.04 min

Lab File: BF094014.D

Acq: 29 Mar 2017 1:11

Instrument :

BNA_F

ClientSampled :

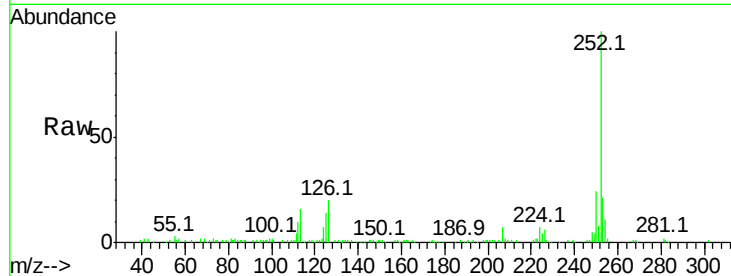
Tot Ion:252 Resp: 88383

Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

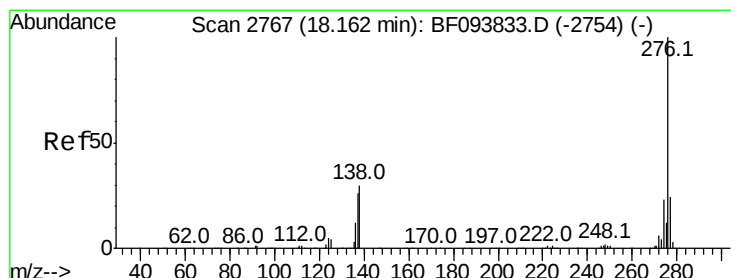
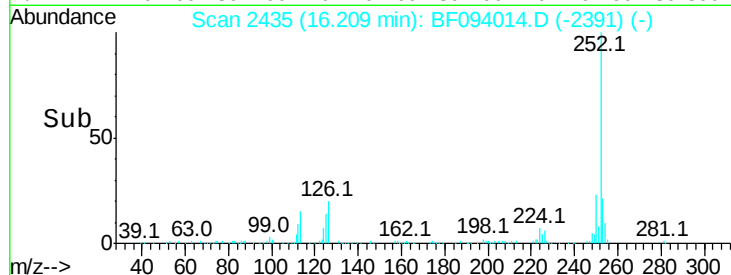
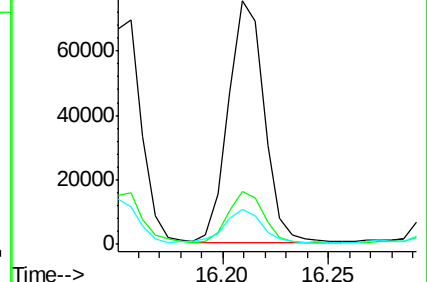
125 14.2 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 6.12 ng

RT: 18.03 min Scan# 2744

Delta R.T. -0.07 min

Lab File: BF094014.D

Acq: 29 Mar 2017 1:11

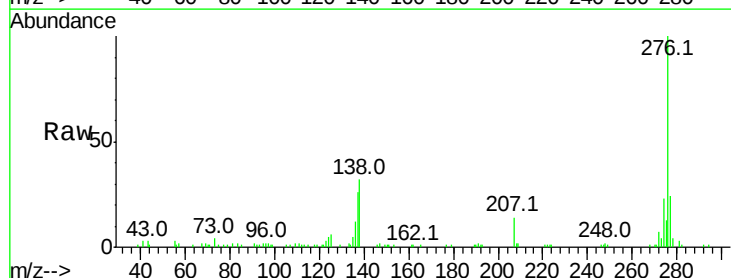
Tgt Ion:276 Resp: 85259

Ion Ratio Lower Upper

276 100

277 24.2 18.6 28.0

138 31.9 25.4 38.0



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

