

Data Path : Z:\HPCHEM1\BNA F\Data\BF032217\
 Data File : BF093875.D
 Acq On : 23 Mar 2017 11:18
 Operator : SJ/MA
 Sample : I2337-05
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 23 17:09:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

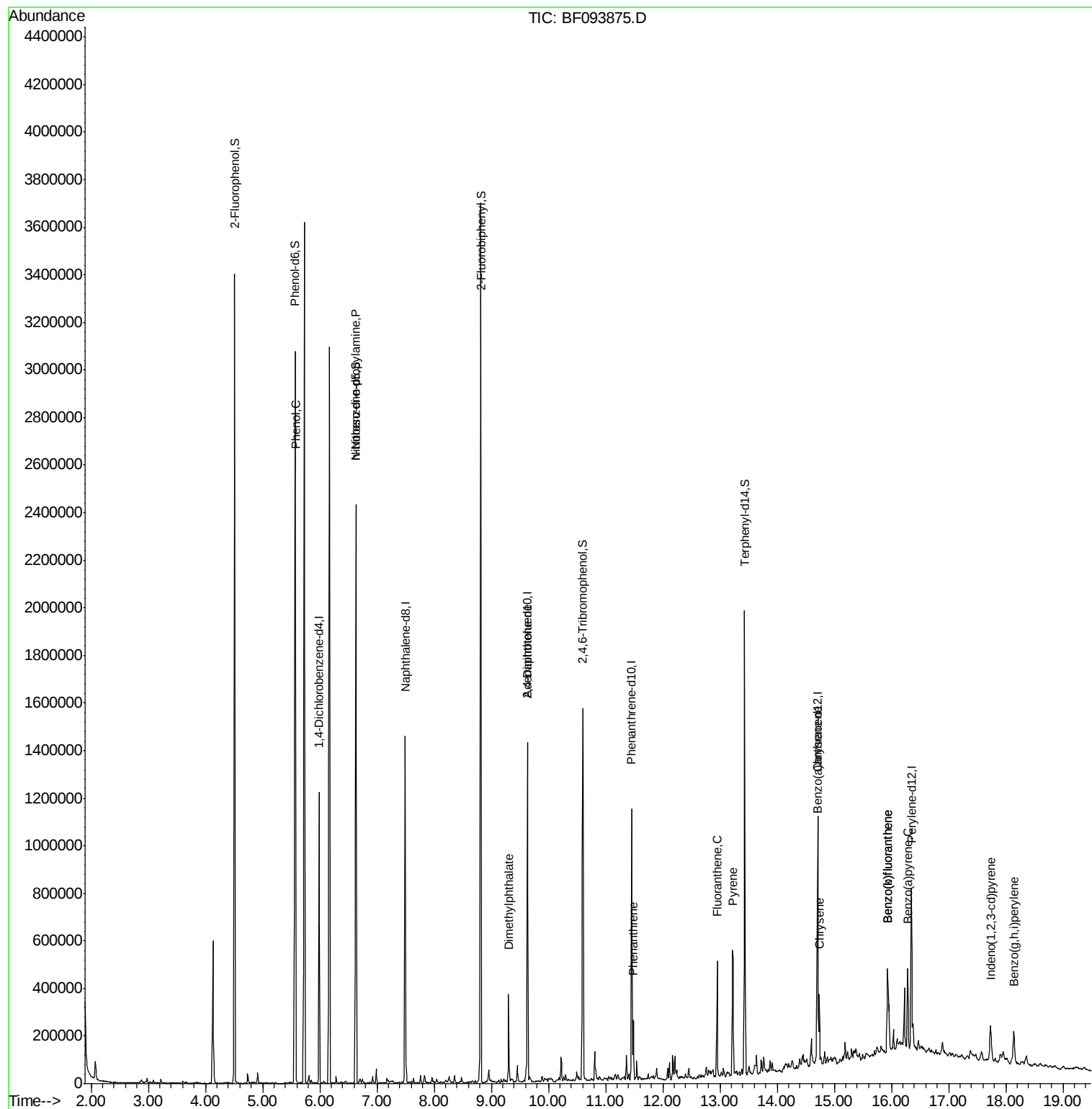
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.99	152	182512	20.00	ng	0.00
21) Naphthalene-d8	7.49	136	710441	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	289211	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	422087	20.00	ng	0.00
75) Chrysene-d12	14.71	240	333785	20.00	ng	0.00
86) Perylene-d12	16.35	264	284547	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.51	112	1016940	94.11	ng	0.00
7) Phenol-d6	5.57	99	1365900	102.18	ng	0.00
23) Nitrobenzene-d5	6.63	82	912690	73.32	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	201851	88.32	ng	0.00
44) 2-Fluorobiphenyl	8.82	172	1273399	67.16	ng	0.00
78) Terphenyl-d14	13.43	244	650762	43.70	ng	0.00
Target Compounds						Qvalue
10) Phenol	5.58	94	67048	4.41	ng	92
19) n-Nitroso-di-n-propylamine	6.63	70	119673	13.93	ng	# 80
49) Dimethylphthalate	9.30	163	149431	7.27	ng	98
56) 2,4-Dinitrotoluene	9.63	165	37277	6.30	ng	# 33
70) Phenanthrene	11.49	178	103186	4.39	ng	95
74) Fluoranthene	12.95	202	216946	9.02	ng	99
77) Pyrene	13.23	202	227971	9.41	ng	97
80) Benzo(a)anthracene	14.70	228	124676	6.41	ng	95
82) Chrysene	14.74	228	118811	6.58	ng	95
85) Indeno(1,2,3-cd)pyrene	17.73	276	93904	6.00	ng	98
87) Benzo(b)fluoranthene	15.93	252	259880	14.90	ng	98
88) Benzo(k)fluoranthene	15.93	252	259880	15.23	ng	98
89) Benzo(a)pyrene	16.29	252	147279	9.17	ng	97
91) Benzo(a,h,i)perylene	18.14	276	97097	7.08	ng	98

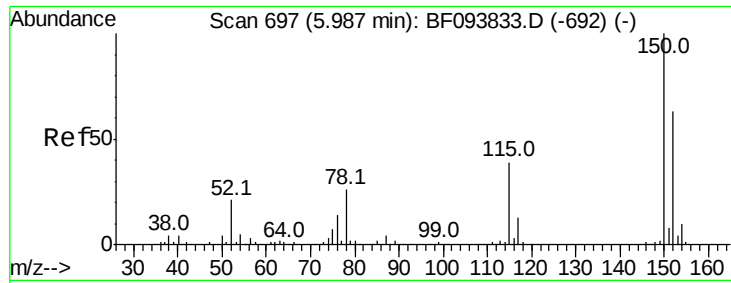
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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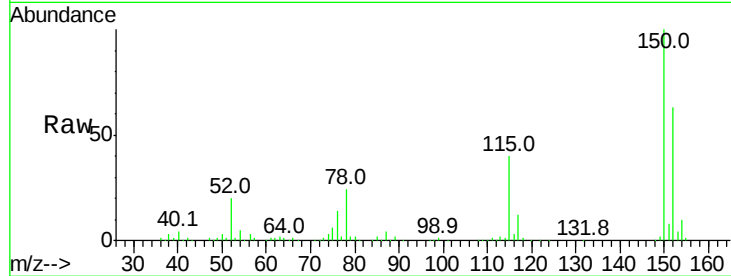


#1

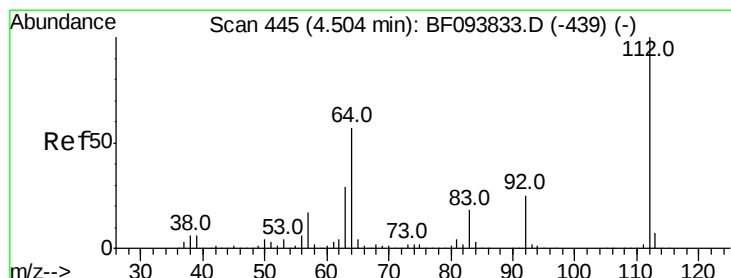
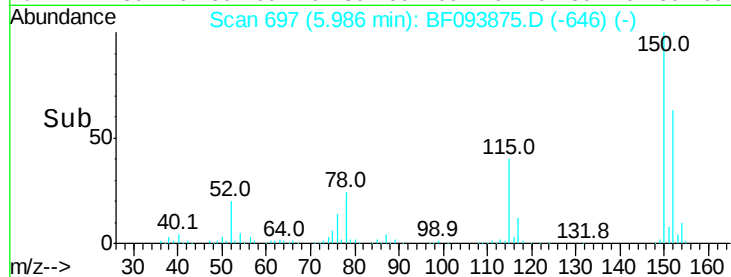
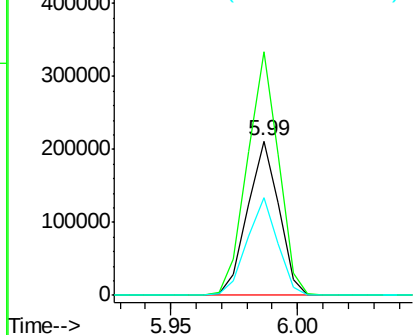
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.99 min Scan# 697
Delta R.T. -0.00 min
Lab File: BF093875.D
Acq: 23 Mar 2017 11:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 182512
Ion Ratio Lower Upper
152 100
150 157.7 126.2 189.2
115 63.1 52.2 78.2



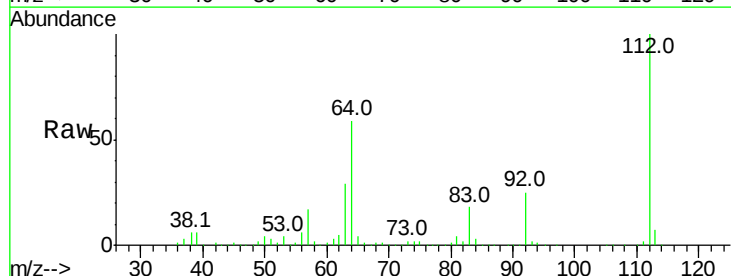
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



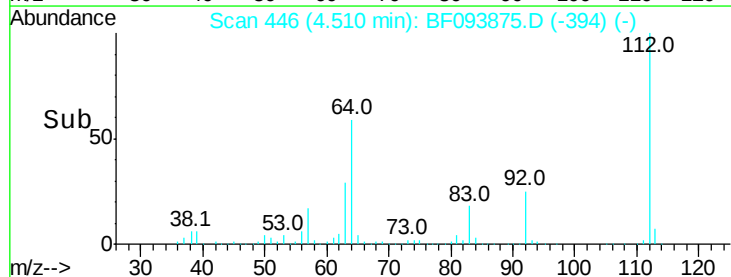
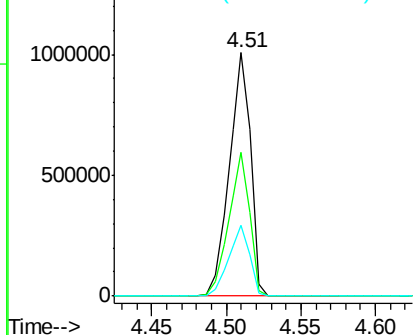
#5

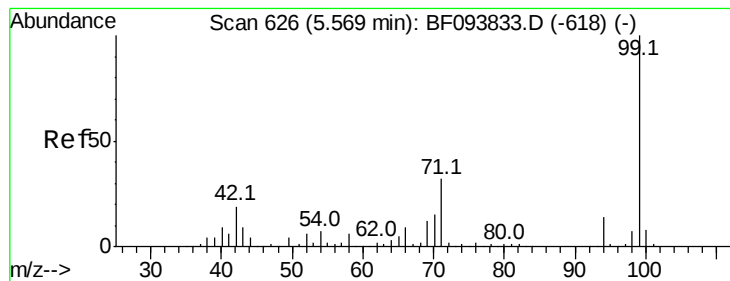
2-Fluorophenol
Concen: 94.11 ng
RT: 4.51 min Scan# 446
Delta R.T. 0.01 min
Lab File: BF093875.D
Acq: 23 Mar 2017 11:18

Tgt Ion:112 Resp: 1016940
Ion Ratio Lower Upper
112 100
64 58.8 46.0 69.0
63 29.1 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: 102.18 ng

RT: 5.57 min Scan# 626

Delta R.T. -0.00 min

Lab File: BF093875.D

Acq: 23 Mar 2017 11:18

Instrument :

BNA_F

ClientSampleId :

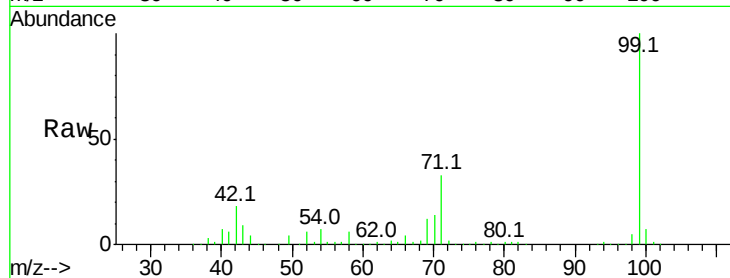
Tot Ion: 99 Resp: 1365900

Ion Ratio Lower Upper

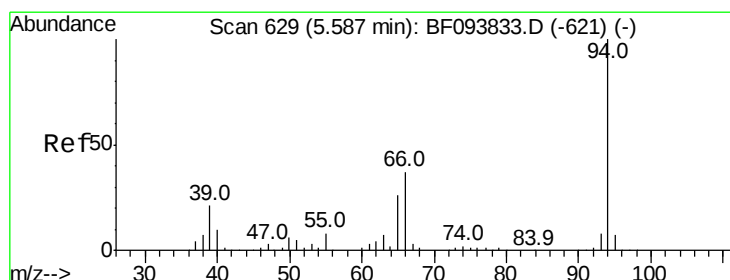
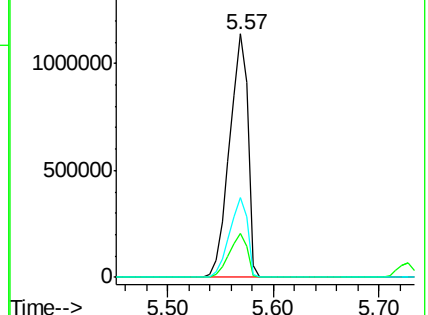
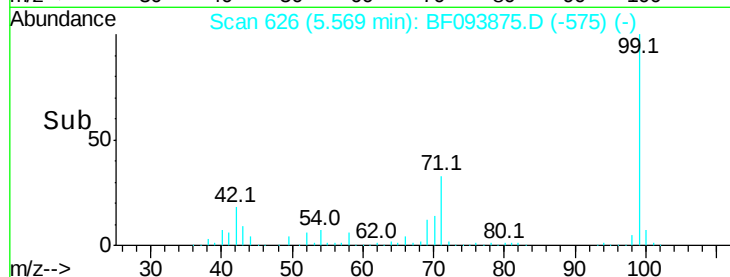
99 100

42 17.9 13.5 20.3

71 32.9 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



#10

Phenol

Concen: 4.41 ng

RT: 5.58 min Scan# 628

Delta R.T. -0.01 min

Lab File: BF093875.D

Acq: 23 Mar 2017 11:18

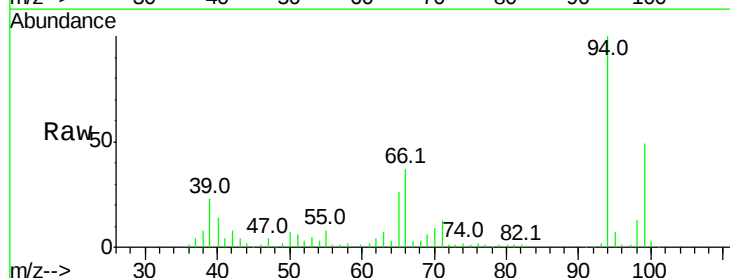
Tgt Ion: 94 Resp: 67048

Ion Ratio Lower Upper

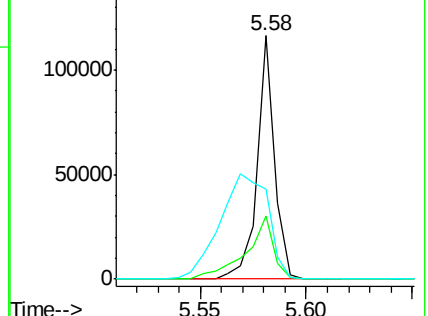
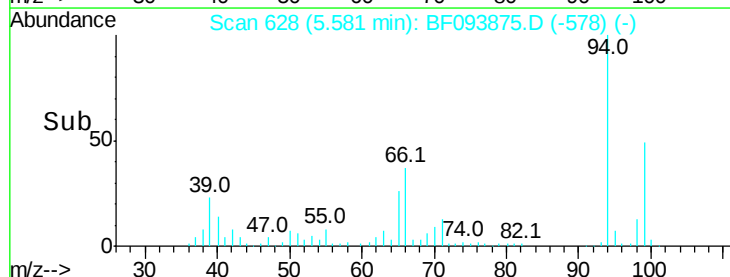
94 100

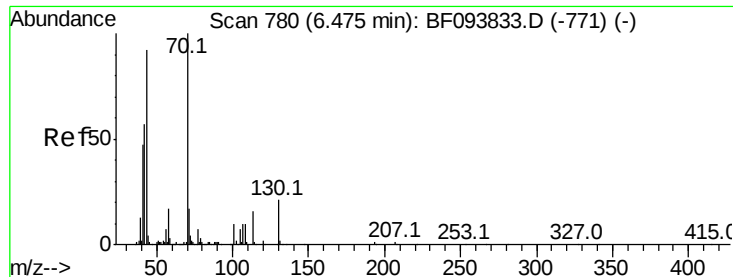
65 26.0 9.9 49.9

66 37.1 23.1 63.1



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: 13.93 ng

RT: 6.63 min Scan# 807

Delta R.T. 0.16 min

Lab File: BF093875.D

Acq: 23 Mar 2017 11:18

Instrument :

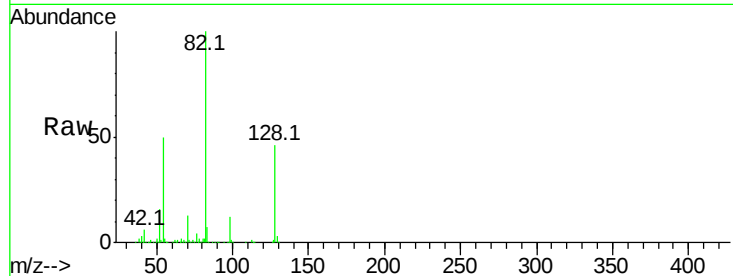
BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 119673

Ion Ratio Lower Upper

70	100		
42	48.7	47.2	70.8
101	0.0	7.2	10.8
130	2.6	15.9	23.9

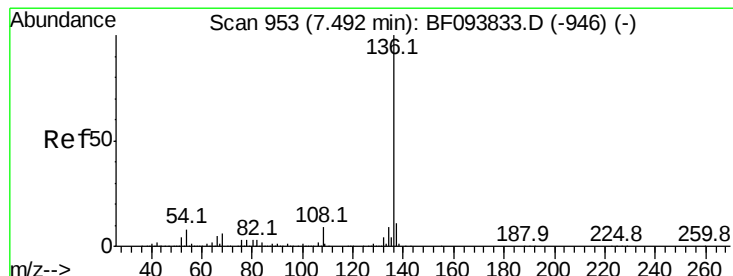
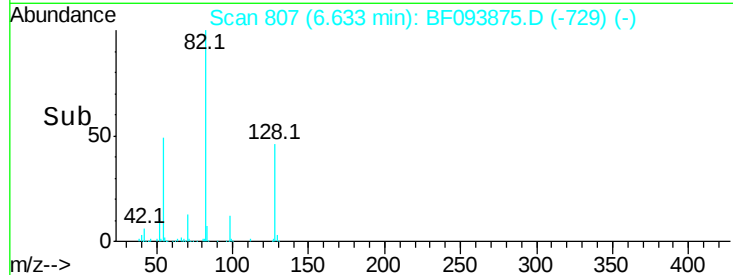
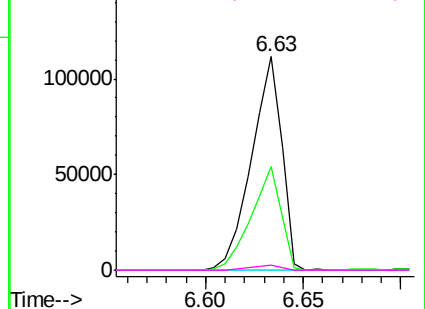


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.49 min Scan# 953

Delta R.T. -0.00 min

Lab File: BF093875.D

Acq: 23 Mar 2017 11:18

Tgt Ion: 136 Resp: 710441

Ion Ratio Lower Upper

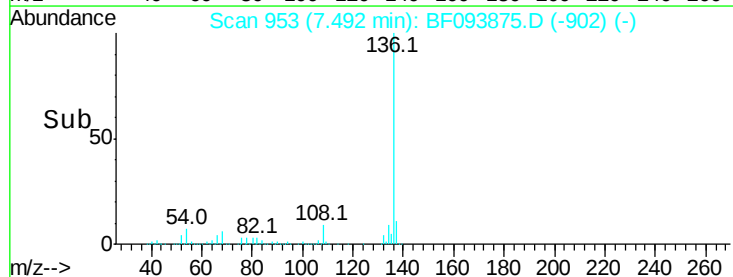
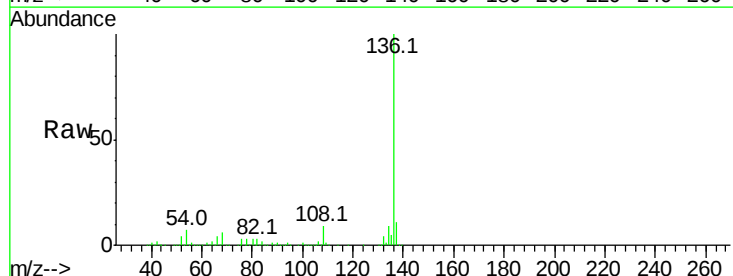
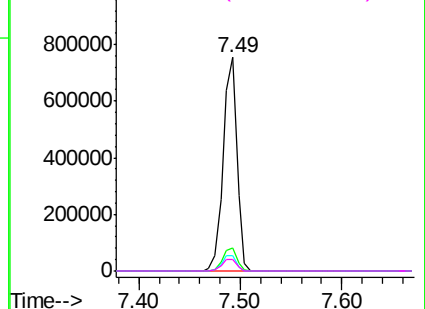
136	100		
137	10.5	8.5	12.7
54	6.9	4.9	7.3
68	5.6	4.1	6.1

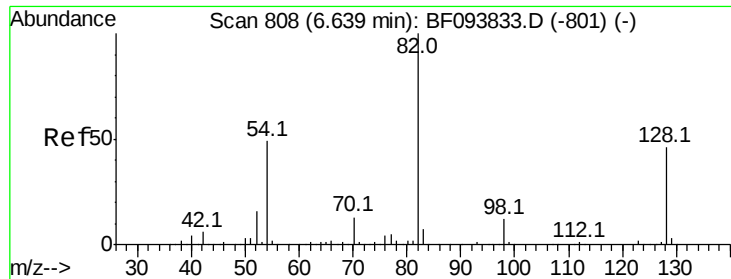
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

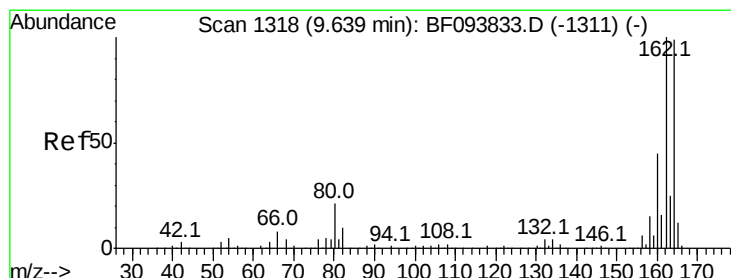
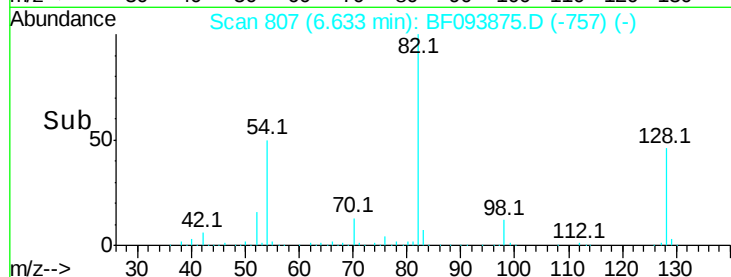
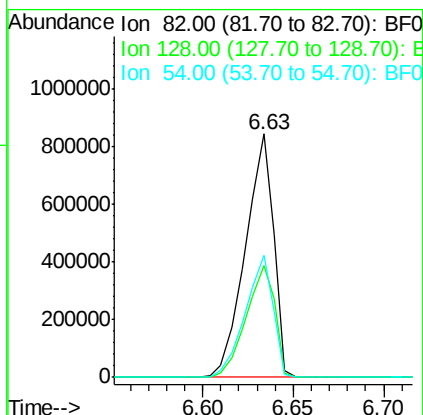
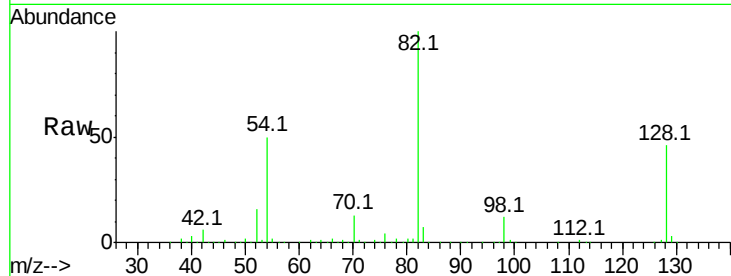




#23
 Nitrobenzene-d5
 Concen: 73.32 ng
 RT: 6.63 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF093875.D
 Acq: 23 Mar 2017 11:18

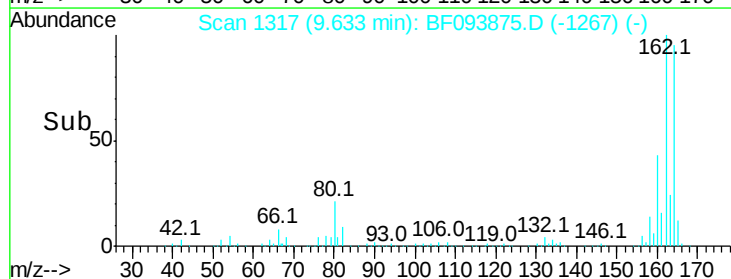
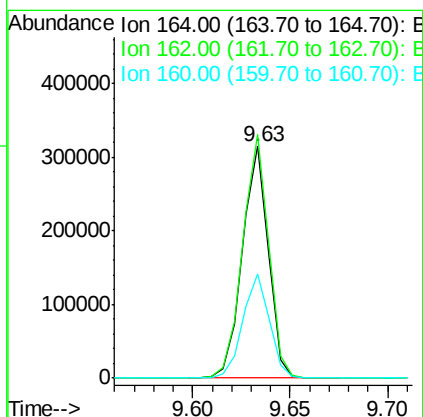
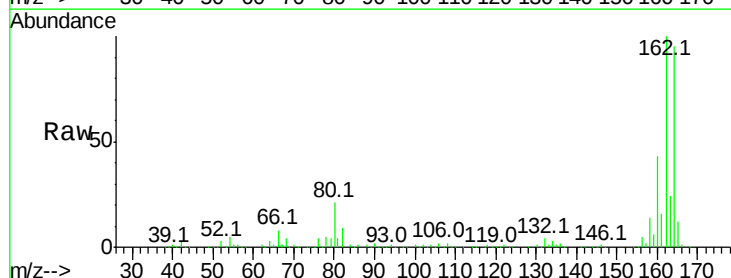
Instrument :
 BNA_F
 ClientSampled :

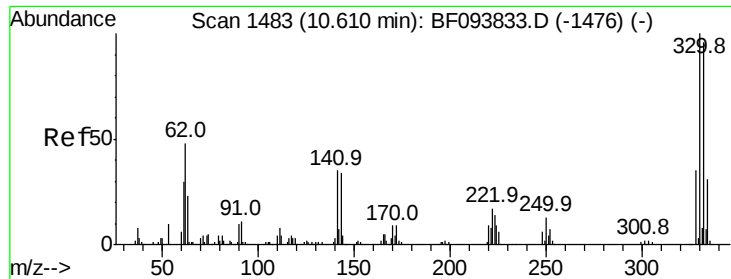
Tot Ion: 82 Resp: 912690
 Ion Ratio Lower Upper
 82 100
 128 45.9 34.0 51.0
 54 50.2 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.63 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF093875.D
 Acq: 23 Mar 2017 11:18

Tgt Ion:164 Resp: 289211
 Ion Ratio Lower Upper
 164 100
 162 105.0 82.6 123.8
 160 44.8 36.2 54.2

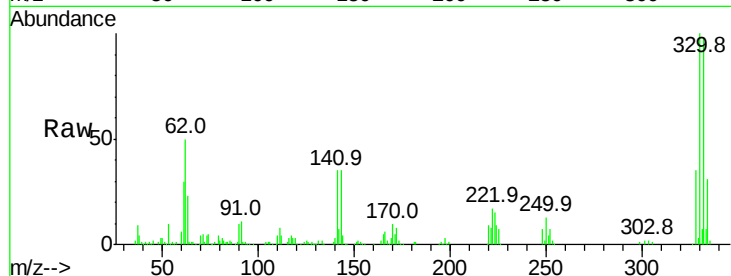




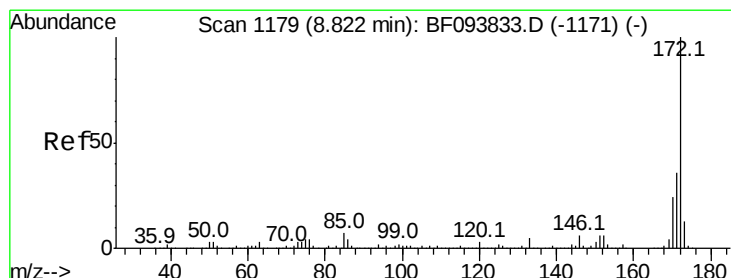
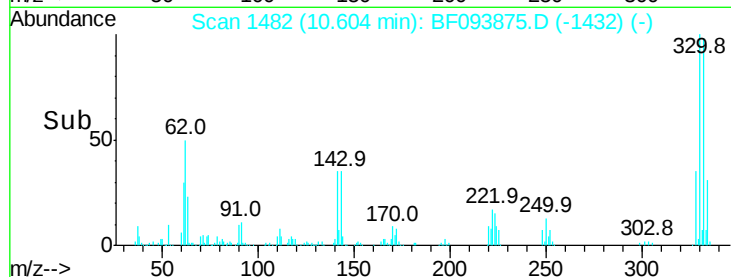
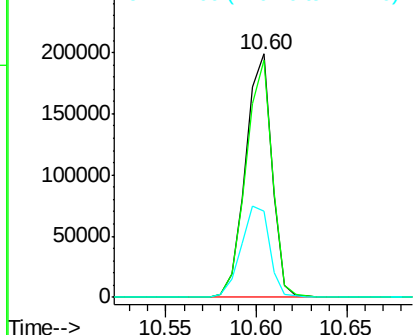
#41
 2,4,6-Tribromophenol
 Concen: 88.32 ng
 RT: 10.60 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF093875.D
 Acq: 23 Mar 2017 11:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 201851
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.6 115.0
 141 41.1 31.4 47.2

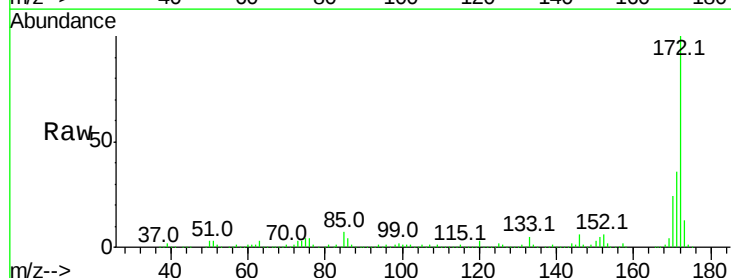


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

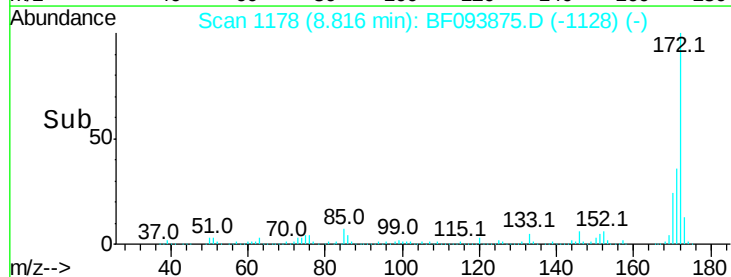
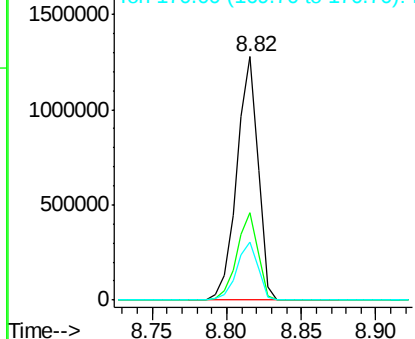


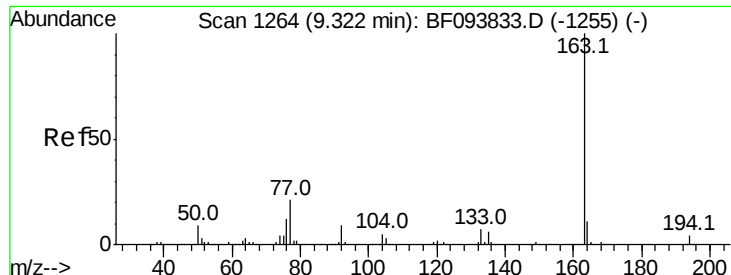
#44
 2-Fluorobiphenyl
 Concen: 67.16 ng
 RT: 8.82 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF093875.D
 Acq: 23 Mar 2017 11:18

Tgt Ion:172 Resp: 1273399
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 23.7 19.8 29.8



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

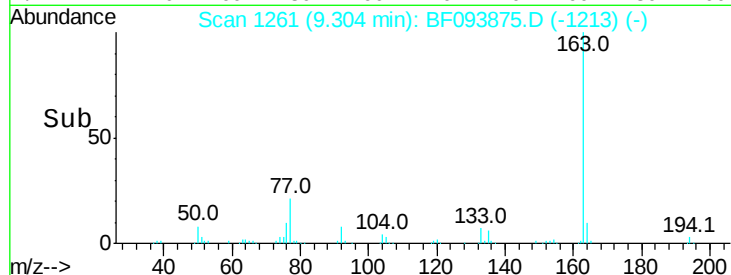
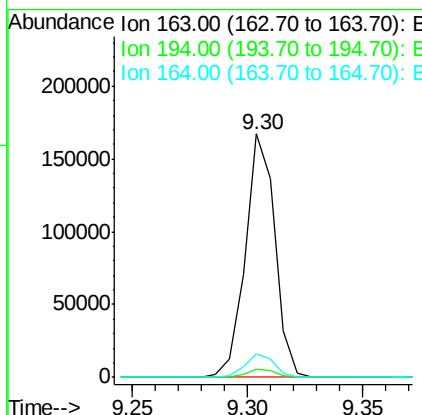
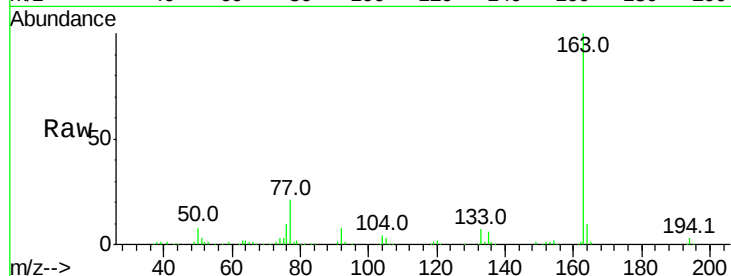




#49
Dimethylphthalate
Concen: 7.27 ng
RT: 9.30 min Scan# 1261
Delta R.T. -0.02 min
Lab File: BF093875.D
Acq: 23 Mar 2017 11:18

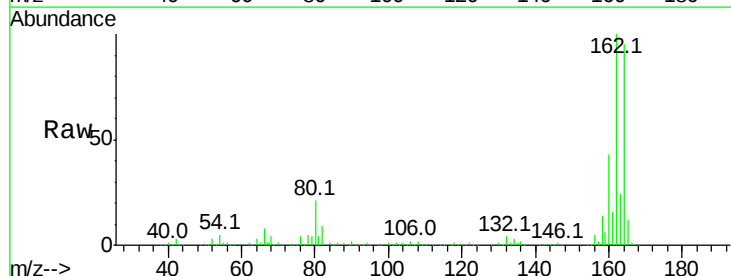
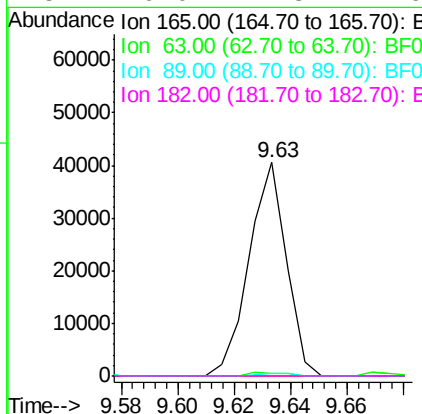
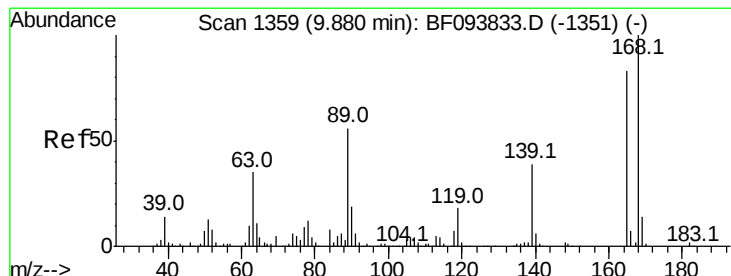
Instrument :
BNA_F
ClientSampleId :

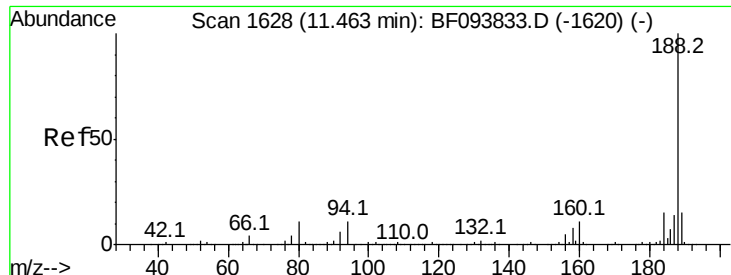
Tot Ion:163 Resp: 149431
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 9.5 8.4 12.6



#56
2,4-Dinitrotoluene
Concen: 6.30 ng
RT: 9.63 min Scan# 1317
Delta R.T. -0.25 min
Lab File: BF093875.D
Acq: 23 Mar 2017 11:18

Tgt Ion:165 Resp: 37277
Ion Ratio Lower Upper
165 100
63 1.1 25.4 38.0#
89 1.1 46.4 69.6#
182 0.0 1.8 2.6#

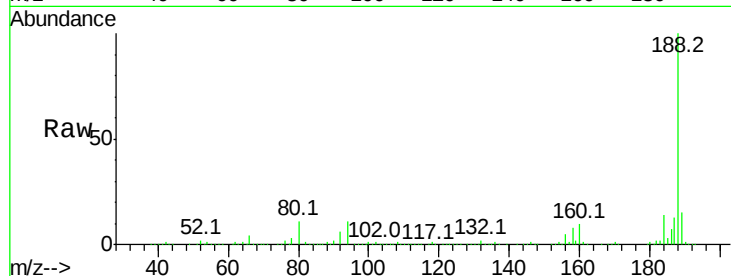




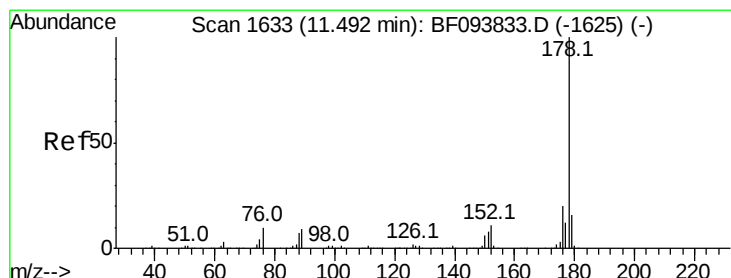
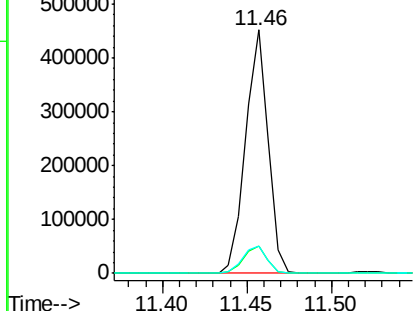
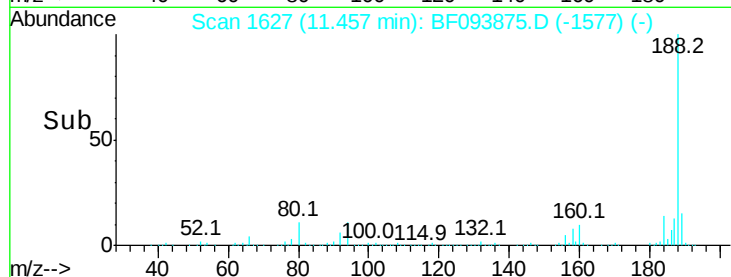
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 1627
Delta R.T. -0.01 min
Lab File: BF093875.D
Acq: 23 Mar 2017 11:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 422087
Ion Ratio Lower Upper
188 100
94 11.4 9.4 14.2
80 11.2 10.2 15.2

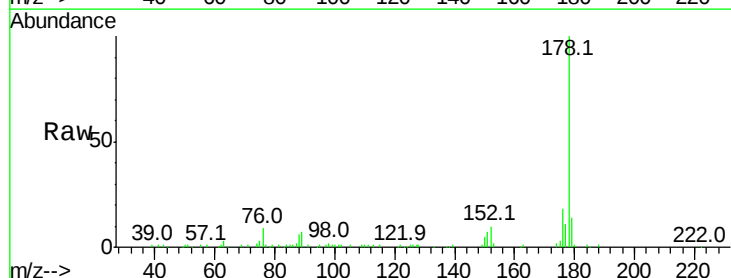


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

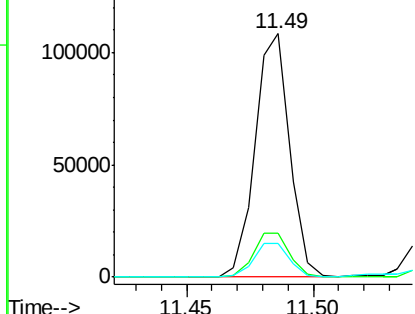
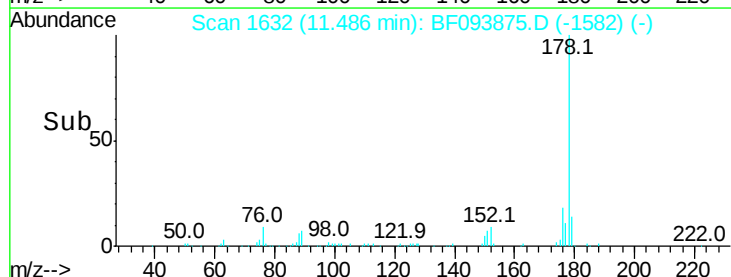


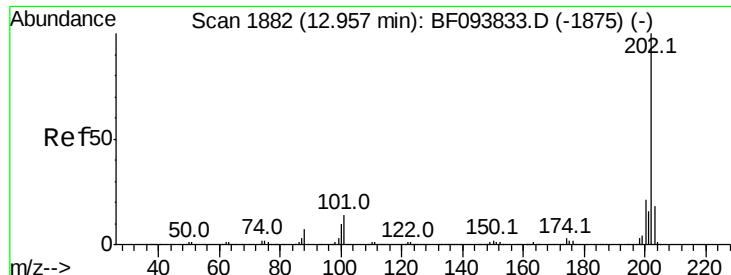
#70
Phenanthrene
Concen: 4.39 ng
RT: 11.49 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BF093875.D
Acq: 23 Mar 2017 11:18

Tgt Ion:178 Resp: 103186
Ion Ratio Lower Upper
178 100
176 18.0 16.2 24.4
179 13.6 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: 9.02 ng

RT: 12.95 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BF093875.D

Acq: 23 Mar 2017 11:18

Instrument :

BNA_F

ClientSampled :

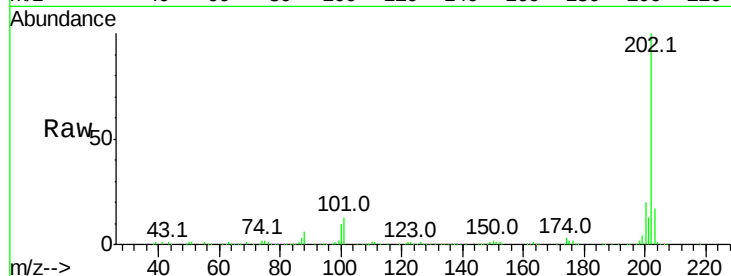
Tot Ion:202 Resp: 216946

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.2

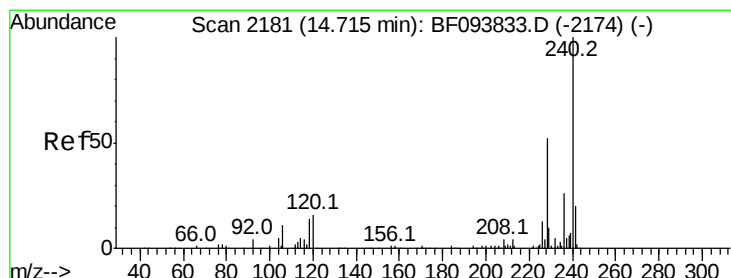
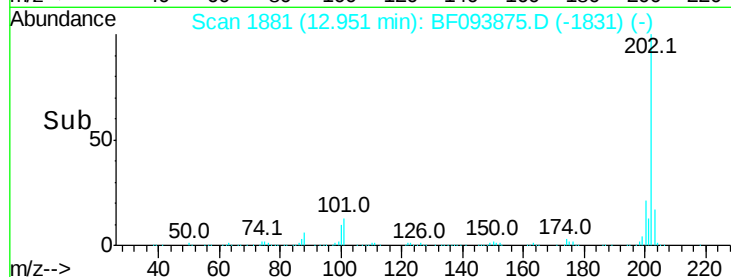
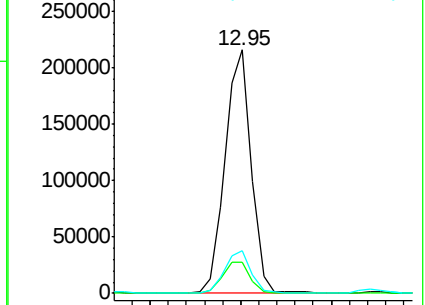
203 17.3 0.0 38.1



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: 14.71 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BF093875.D

Acq: 23 Mar 2017 11:18

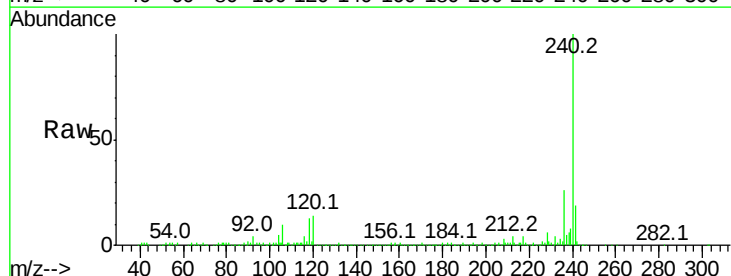
Tgt Ion:240 Resp: 333785

Ion Ratio Lower Upper

240 100

120 14.5 5.8 8.8#

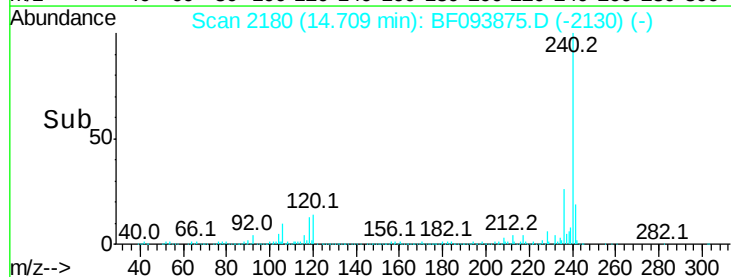
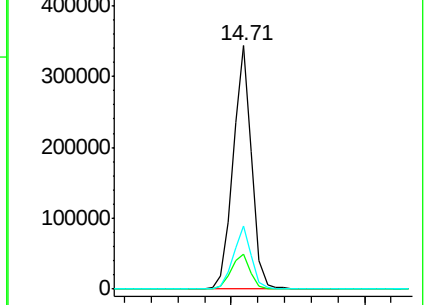
236 25.8 20.5 30.7

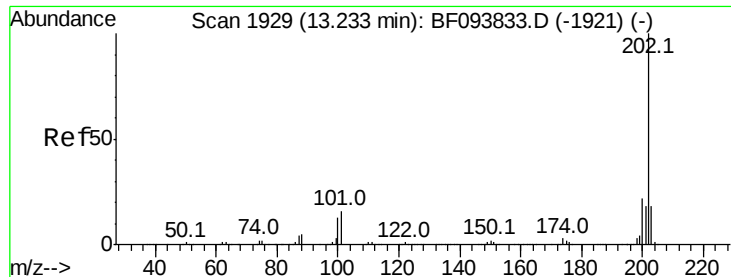


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 9.41 ng

RT: 13.23 min Scan# 1928

Delta R.T. -0.01 min

Lab File: BF093875.D

Acq: 23 Mar 2017 11:18

Instrument :

BNA_F

ClientSampleId :

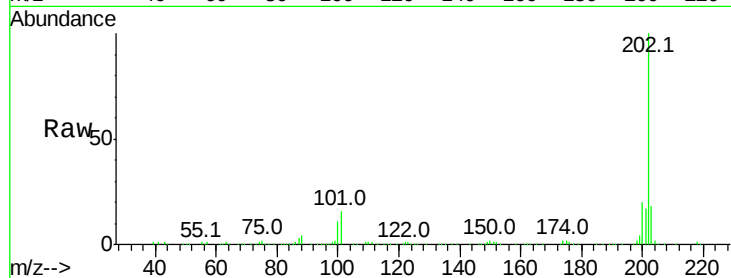
Tot Ion:202 Resp: 227971

Ion Ratio Lower Upper

202 100

200 20.0 17.6 26.4

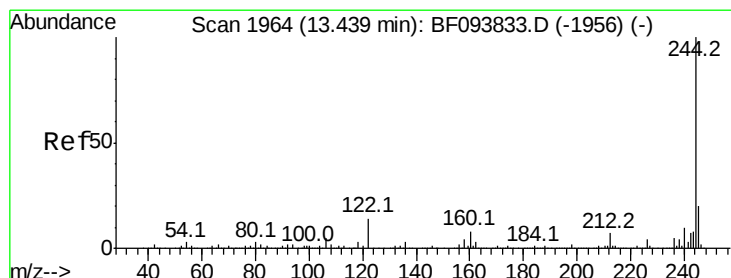
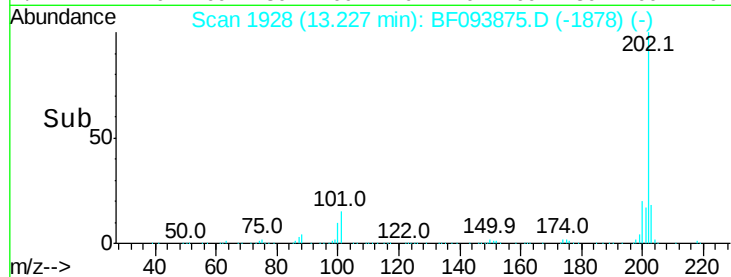
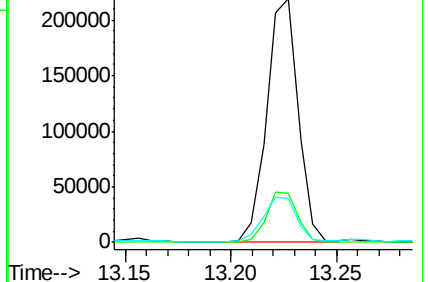
203 18.2 14.4 21.6



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: 43.70 ng

RT: 13.43 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BF093875.D

Acq: 23 Mar 2017 11:18

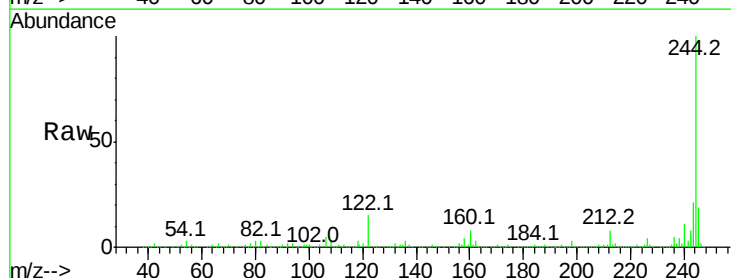
Tgt Ion:244 Resp: 650762

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

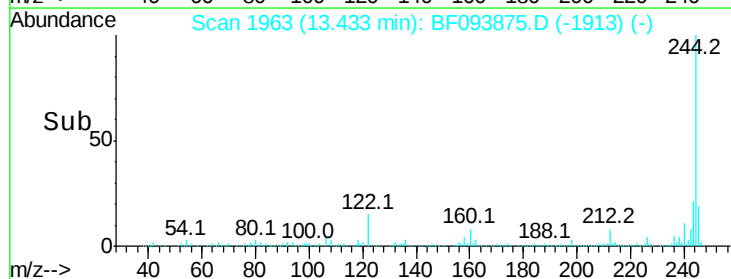
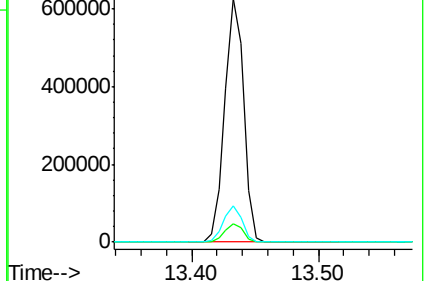
122 15.1 10.3 15.5

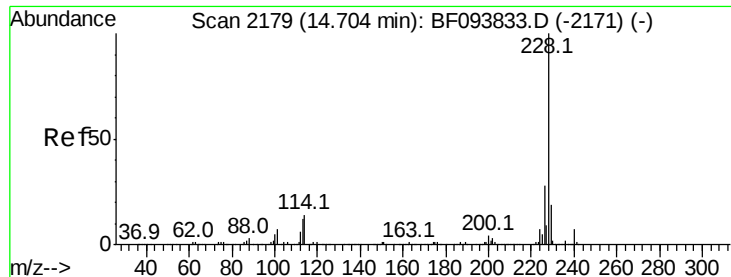


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

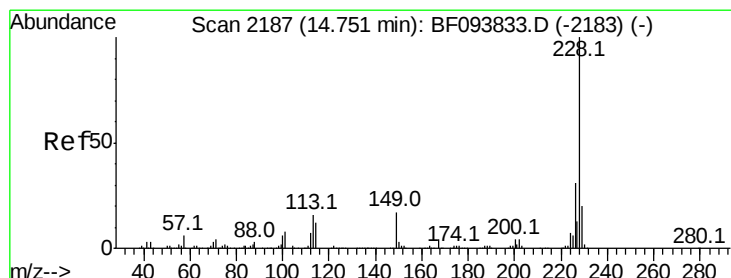
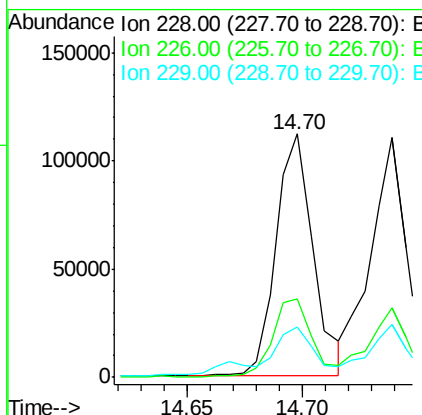
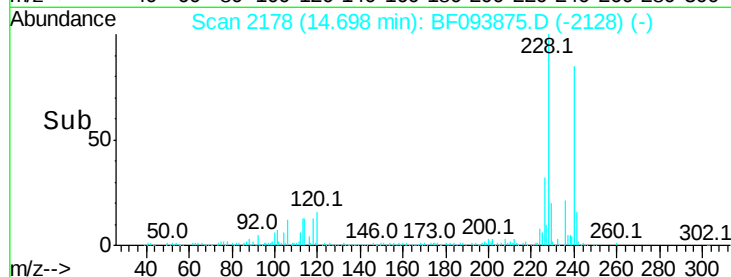
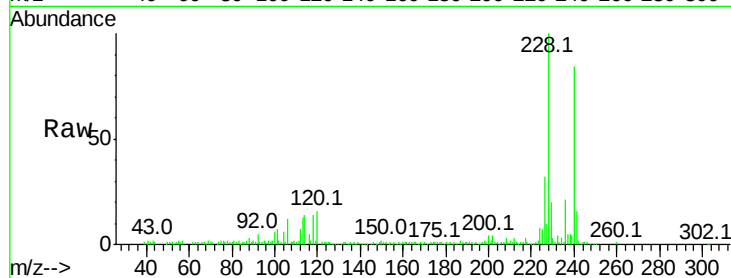




#80
Benzo(a)anthracene
Concen: 6.41 ng
RT: 14.70 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF093875.D
Acq: 23 Mar 2017 11:18

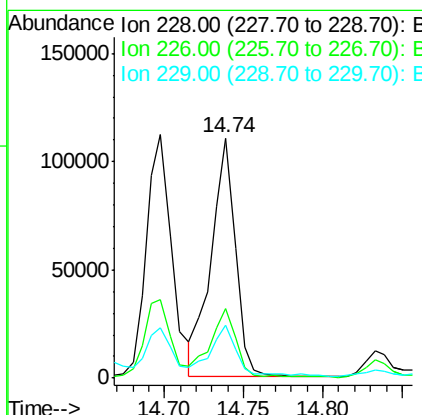
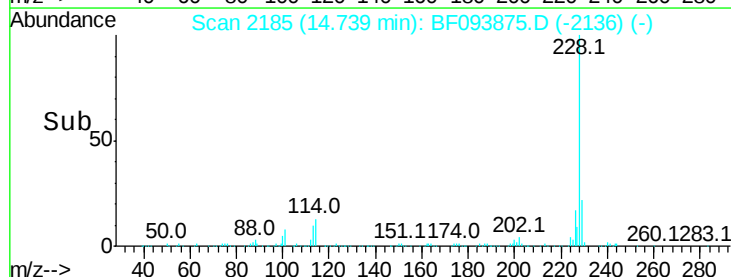
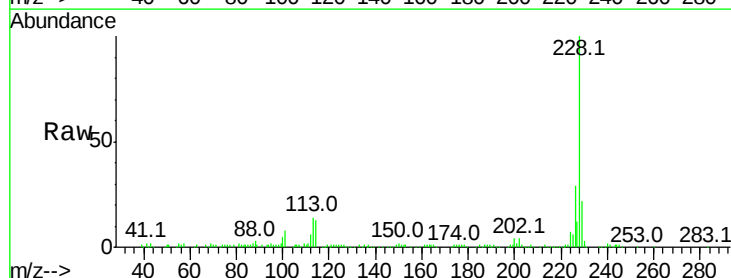
Instrument :
BNA_F
ClientSampleId :

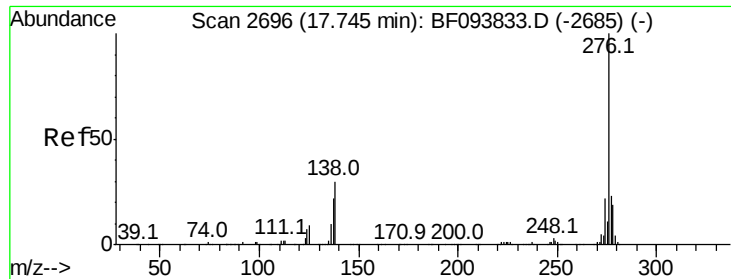
Tot Ion:228 Resp: 124676
Ion Ratio Lower Upper
228 100
226 32.4 22.6 33.8
229 20.5 16.3 24.5



#82
Chrysene
Concen: 6.58 ng
RT: 14.74 min Scan# 2185
Delta R.T. -0.01 min
Lab File: BF093875.D
Acq: 23 Mar 2017 11:18

Tgt Ion:228 Resp: 118811
Ion Ratio Lower Upper
228 100
226 28.9 24.9 37.3
229 22.2 15.8 23.6

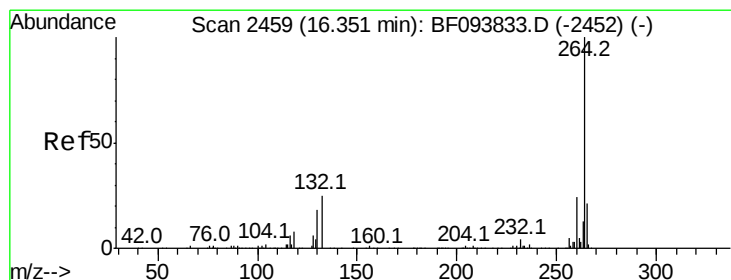
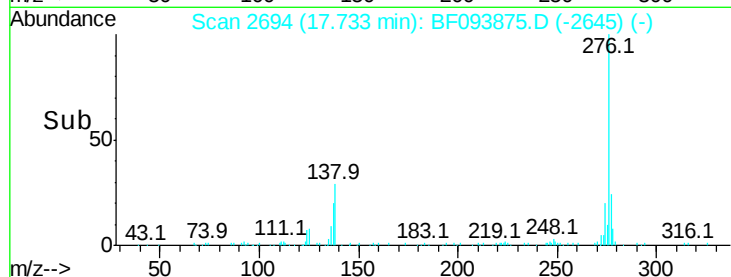
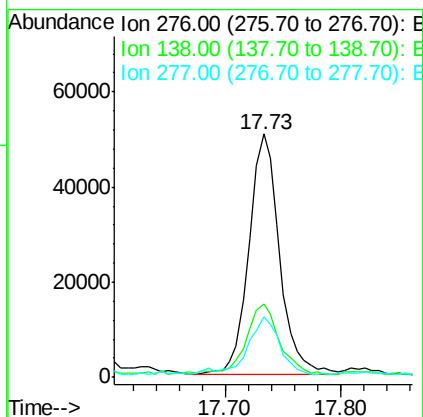
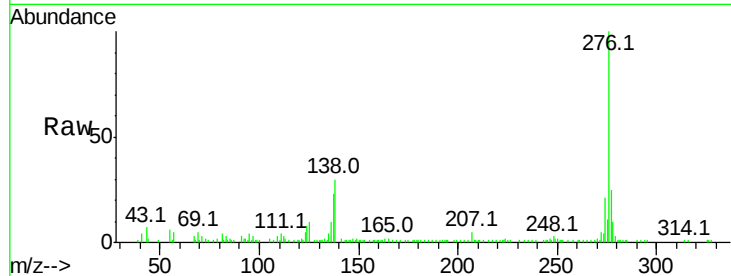




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.00 ng
 RT: 17.73 min Scan# 2694
 Delta R.T. -0.01 min
 Lab File: BF093875.D
 Acq: 23 Mar 2017 11:18

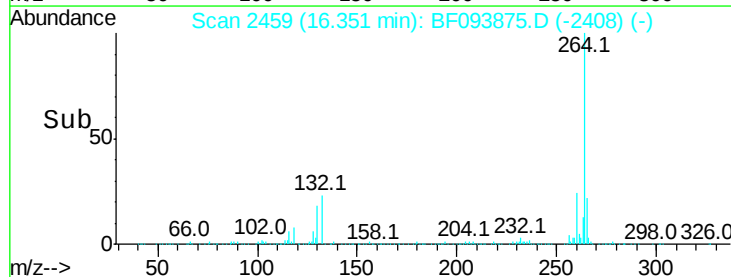
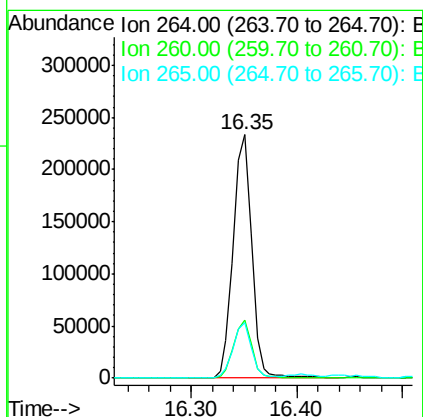
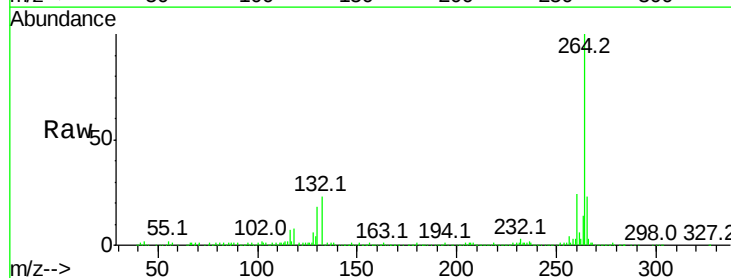
Instrument :
 BNA_F
 ClientSampleId :

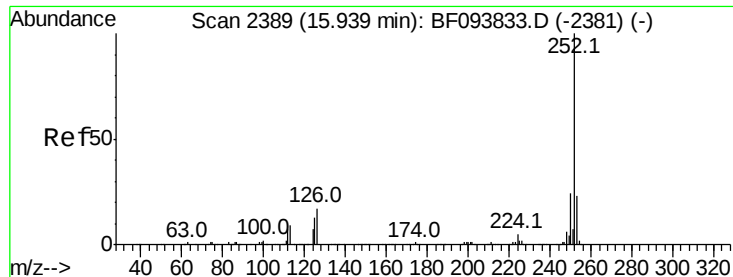
Tot Ion:276 Resp: 93904
 Ion Ratio Lower Upper
 276 100
 138 32.5 27.8 41.6
 277 25.0 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.35 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: BF093875.D
 Acq: 23 Mar 2017 11:18

Tgt Ion:264 Resp: 284547
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.5 29.3
 265 22.5 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 14.90 ng

RT: 15.93 min Scan# 2388

Delta R.T. -0.01 min

Lab File: BF093875.D

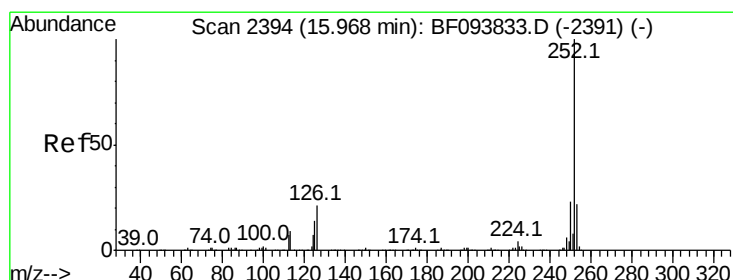
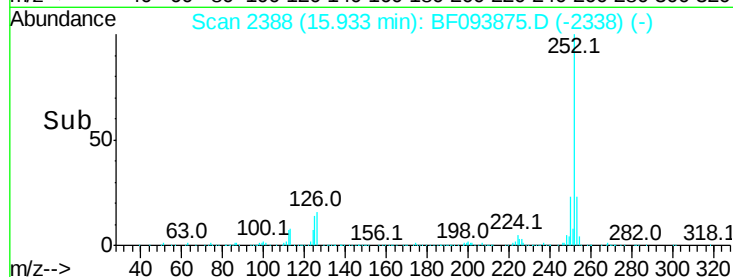
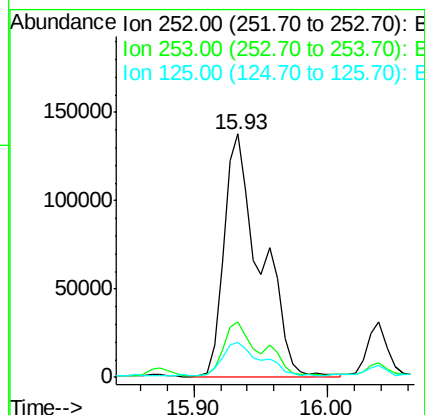
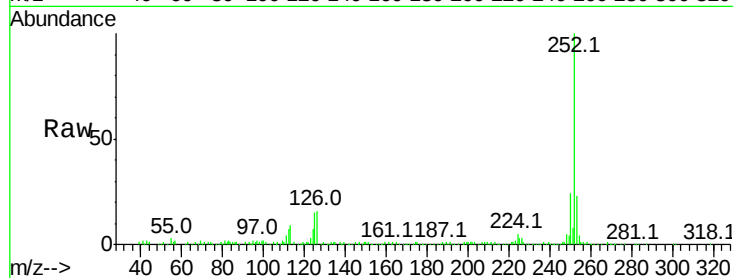
Acq: 23 Mar 2017 11:18

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	259880
Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	14.5	9.8	14.8



#88

Benzo(k)fluoranthene

Concen: 15.23 ng

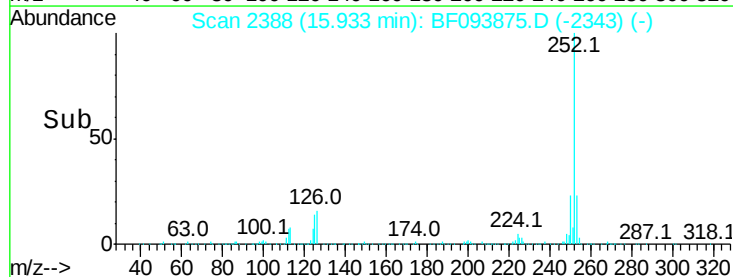
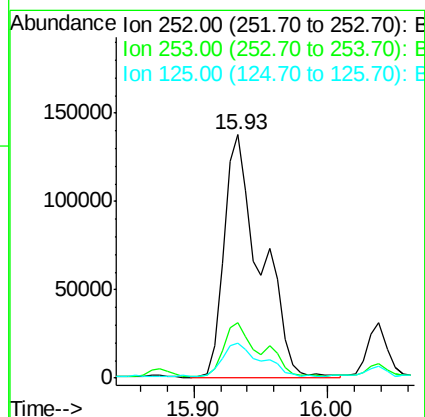
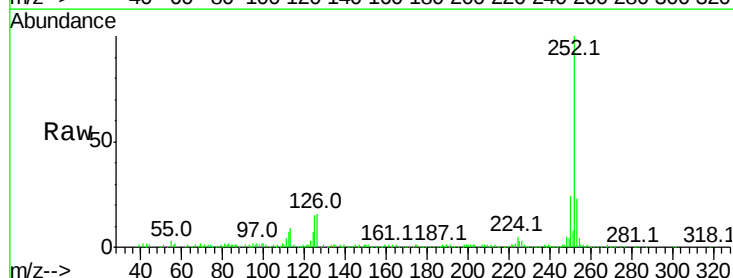
RT: 15.93 min Scan# 2388

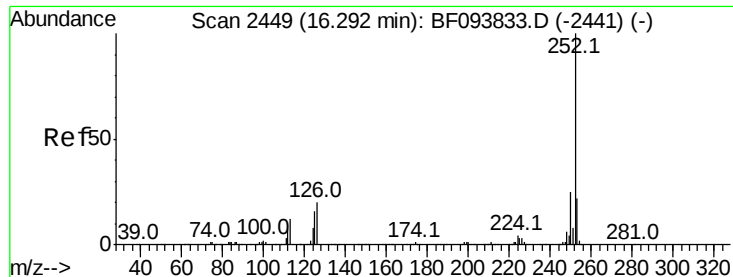
Delta R.T. -0.04 min

Lab File: BF093875.D

Acq: 23 Mar 2017 11:18

Tgt Ion:	252	Resp:	259880
Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	14.5	13.1	19.7

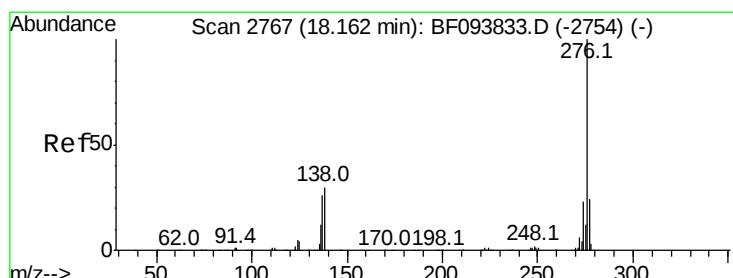
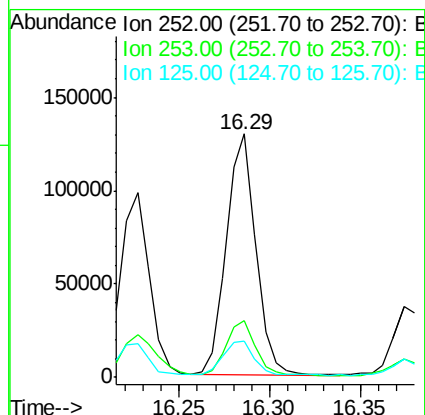
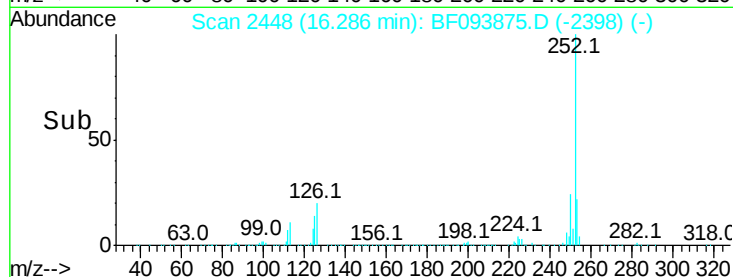
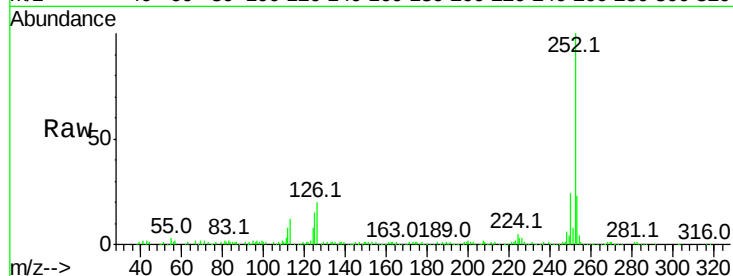




#89
Benzo(a)pyrene
Concen: 9.17 ng
RT: 16.29 min Scan# 2448
Delta R.T. -0.01 min
Lab File: BF093875.D
Acq: 23 Mar 2017 11:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 147279
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 14.9 11.0 16.4



#91
Benzo(g,h,i)perylene
Concen: 7.08 ng
RT: 18.14 min Scan# 2764
Delta R.T. -0.02 min
Lab File: BF093875.D
Acq: 23 Mar 2017 11:18

Tgt Ion:276 Resp: 97097
Ion Ratio Lower Upper
276 100
277 23.8 18.6 28.0
138 30.1 25.4 38.0

