

Data Path : Z:\HPCHEM1\BNA F\Data\BF032217\
 Data File : BF093873.D
 Acq On : 23 Mar 2017 10:24
 Operator : SJ/MA
 Sample : I2337-05 2X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 23 17:03:15 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

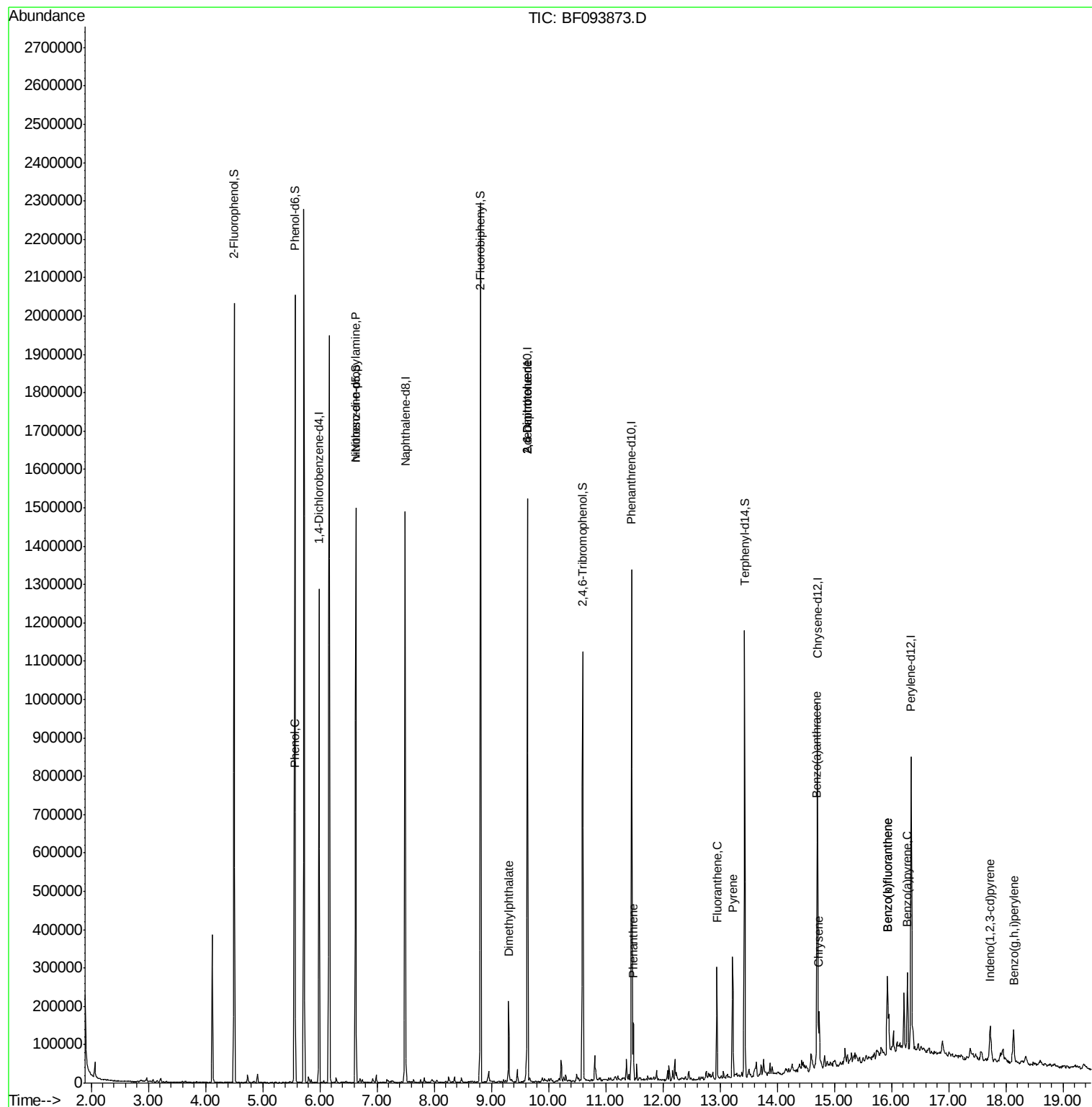
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.99	152	195282	20.00	ng	0.00
21) Naphthalene-d8	7.49	136	760278	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	324990	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	497400	20.00	ng	0.00
75) Chrysene-d12	14.71	240	340795	20.00	ng	0.00
86) Perylene-d12	16.34	264	319027	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.50	112	576766	49.88	ng	0.00
7) Phenol-d6	5.56	99	769394	53.79	ng	0.00
23) Nitrobenzene-d5	6.63	82	514514	38.62	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	119329	46.47	ng	-0.01
44) 2-Fluorobiphenyl	8.81	172	770297	36.15	ng	-0.01
78) Terphenyl-d14	13.43	244	387946	25.52	ng	0.00
Target Compounds						Qvalue
10) Phenol	5.57	94	36591	2.25	ng	89
19) n-Nitroso-di-n-propylamine	6.63	70	67615	7.36	ng	# 79
49) Dimethylphthalate	9.30	163	83960	3.63	ng	98
50) 2,6-Dinitrotoluene	9.63	165	42064	7.94	ng	# 34
56) 2,4-Dinitrotoluene	9.63	165	42064	6.32	ng	# 33
70) Phenanthrene	11.49	178	59242	2.14	ng	100
74) Fluoranthene	12.94	202	121925	4.30	ng	97
77) Pyrene	13.22	202	127513	5.16	ng	99
80) Benzo(a)anthracene	14.69	228	62131	3.13	ng	94
82) Chrysene	14.74	228	60810	3.30	ng	98
85) Indeno(1,2,3-cd)pyrene	17.73	276	57531	3.60	ng	97
87) Benzo(b)fluoranthene	15.93	252	140334	7.18	ng	97
88) Benzo(k)fluoranthene	15.93	252	140334	7.33	ng	97
89) Benzo(a)pyrene	16.28	252	82129	4.56	ng	98
91) Benzo(a,h,i)perylene	18.14	276	58363	3.80	ng	96

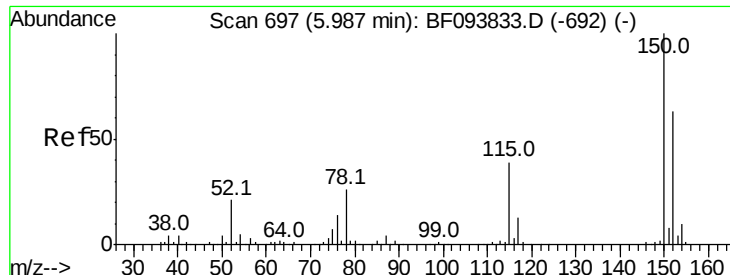
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\Data\BF032217\
Data File : BF093873.D
Acq On : 23 Mar 2017 10:24
Operator : SJ/MA
Sample : I2337-05 2X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Mar 23 17:03:15 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



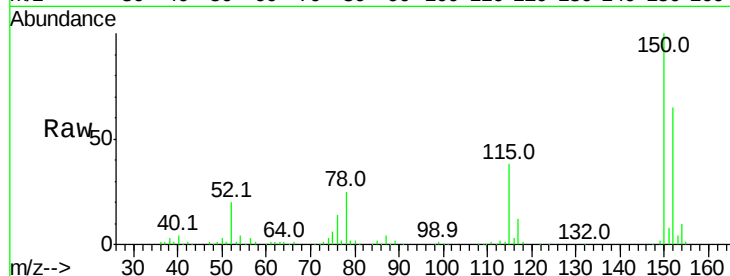


#1

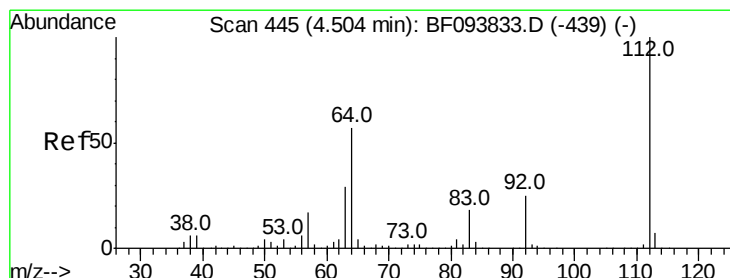
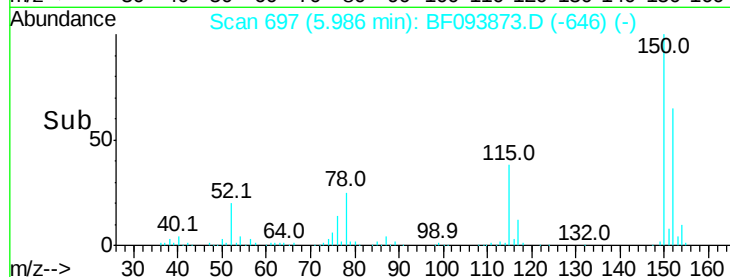
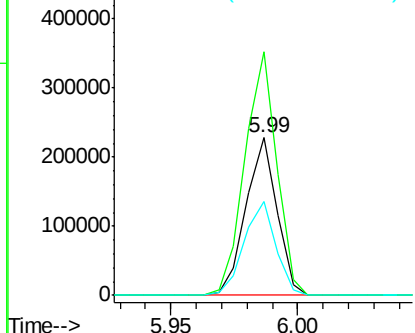
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.99 min Scan# 697
Delta R.T. -0.00 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 195282
Ion Ratio Lower Upper
152 100
150 154.9 126.2 189.2
115 59.3 52.2 78.2



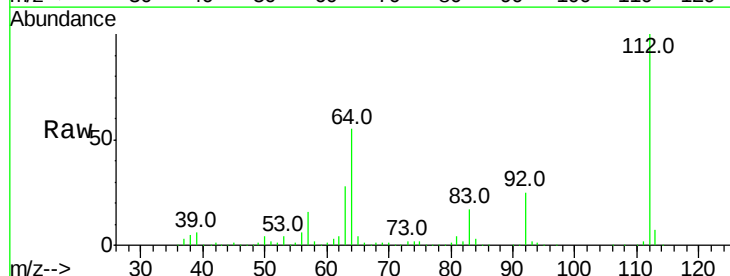
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



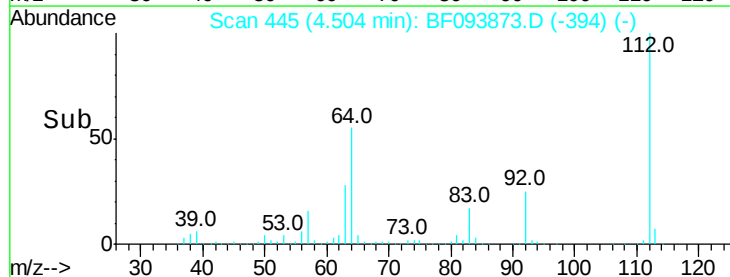
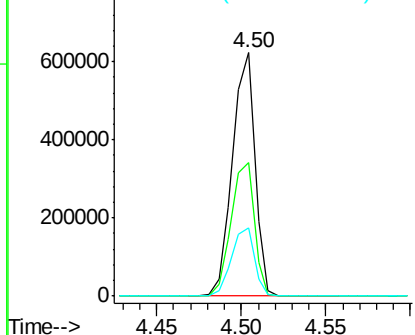
#5

2-Fluorophenol
Concen: 49.88 ng
RT: 4.50 min Scan# 445
Delta R.T. 0.00 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Tgt Ion:112 Resp: 576766
Ion Ratio Lower Upper
112 100
64 54.9 46.0 69.0
63 28.0 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: 53.79 ng

RT: 5.56 min Scan# 625

Delta R.T. -0.01 min

Lab File: BF093873.D

Acq: 23 Mar 2017 10:24

Instrument :

BNA_F

ClientSampled :

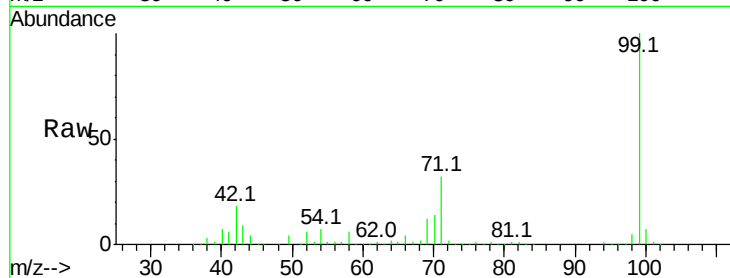
Tot Ion: 99 Resp: 769394

Ion Ratio Lower Upper

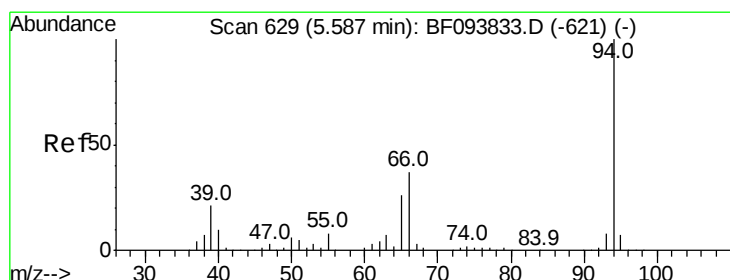
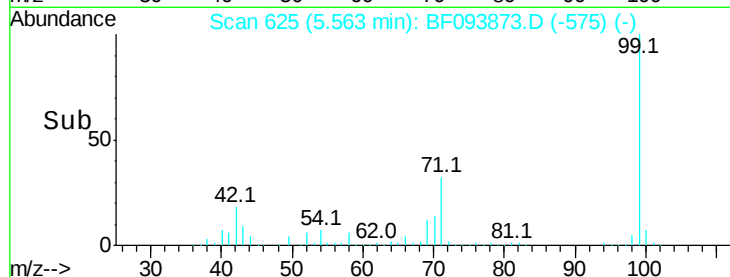
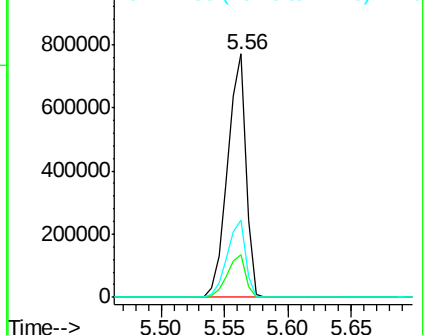
99 100

42 17.6 13.5 20.3

71 31.7 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: 2.25 ng

RT: 5.57 min Scan# 627

Delta R.T. -0.01 min

Lab File: BF093873.D

Acq: 23 Mar 2017 10:24

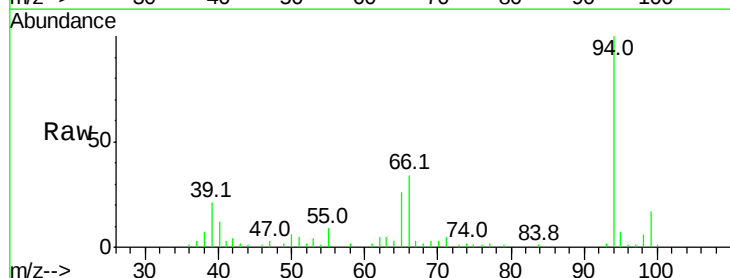
Tgt Ion: 94 Resp: 36591

Ion Ratio Lower Upper

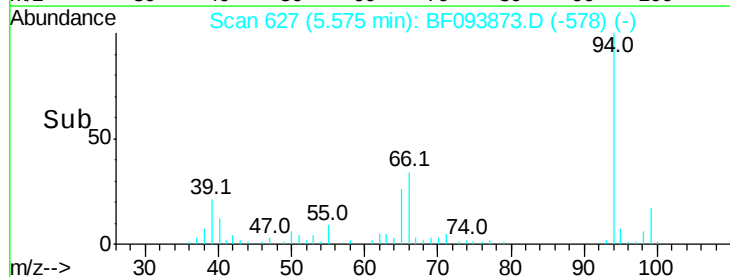
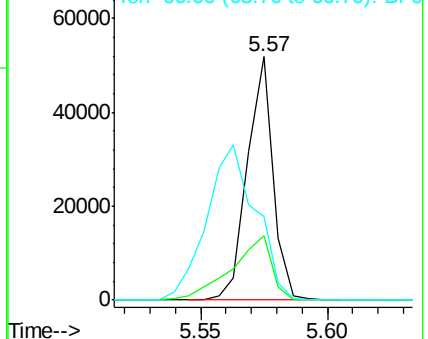
94 100

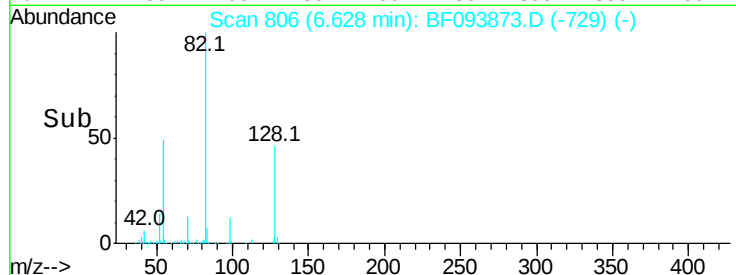
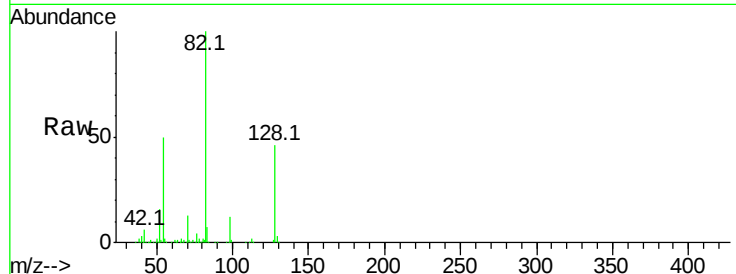
65 26.4 9.9 49.9

66 34.1 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

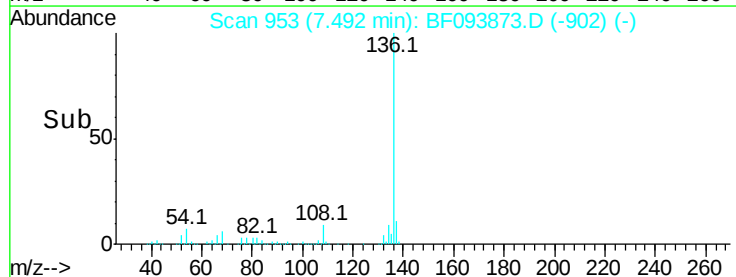
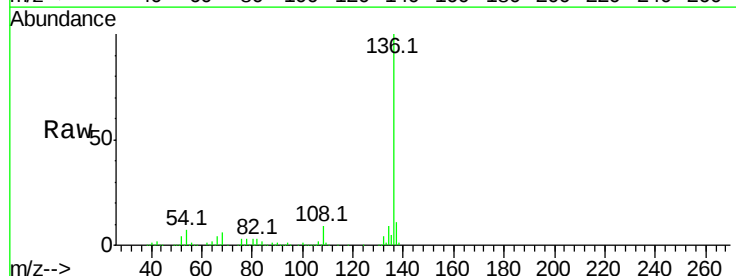
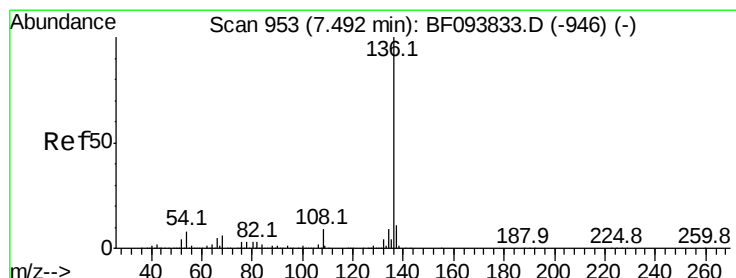
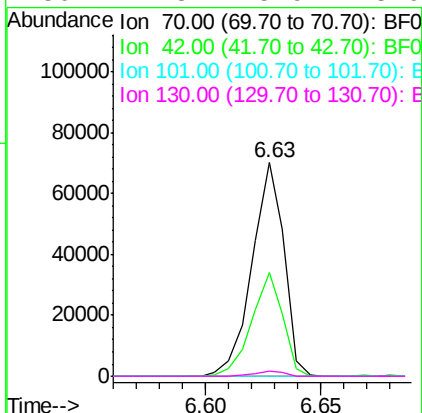




#19
n-Nitroso-di-n-propylamine
Concen: 7.36 ng
RT: 6.63 min Scan# 806
Delta R.T. 0.15 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

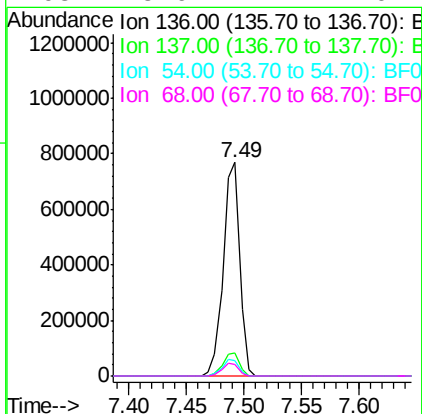
Instrument :
BNA_F
ClientSampleId :

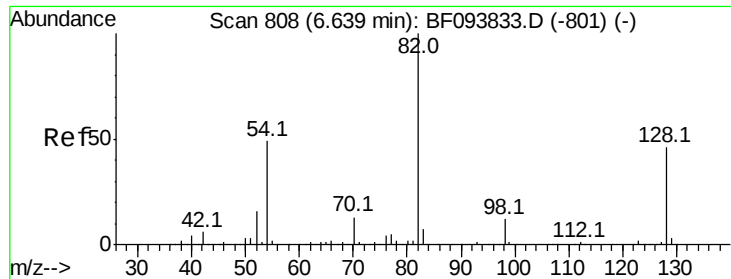
Tot Ion	Ratio	Lower	Upper
70	100		
42	48.3	47.2	70.8
101	0.0	7.2	10.8#
130	2.3	15.9	23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.49 min Scan# 953
Delta R.T. -0.00 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	7.4	4.9	7.3#
68	5.6	4.1	6.1

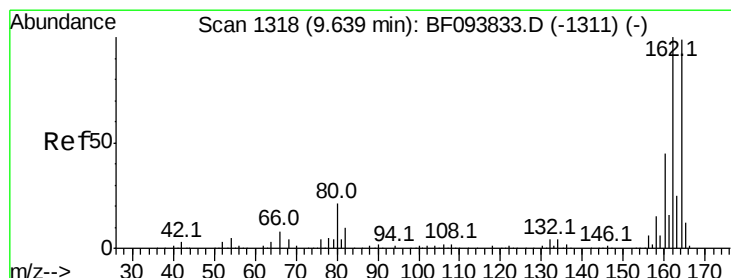
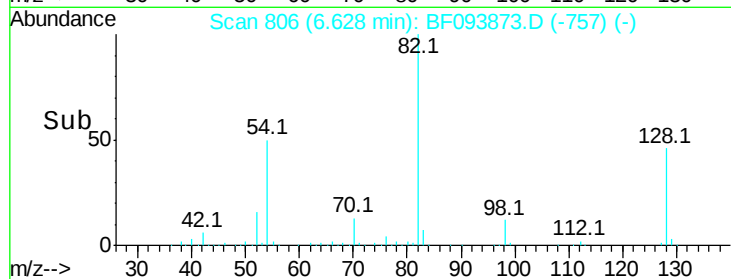
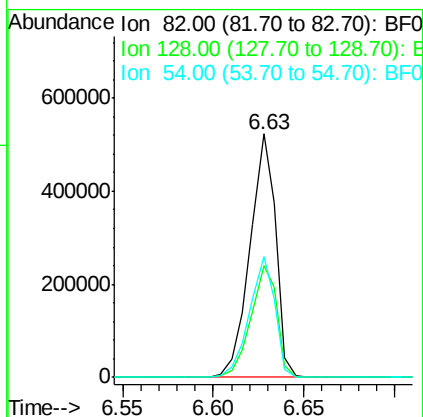
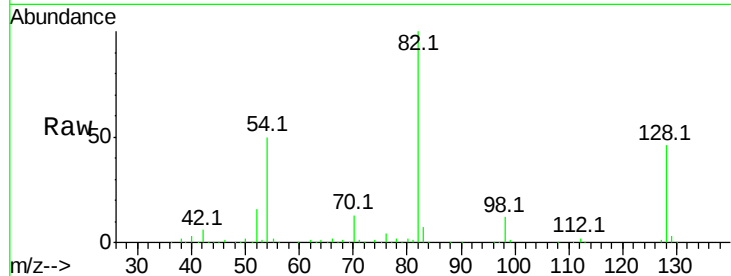




#23
 Nitrobenzene-d5
 Concen: 38.62 ng
 RT: 6.63 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: BF093873.D
 Acq: 23 Mar 2017 10:24

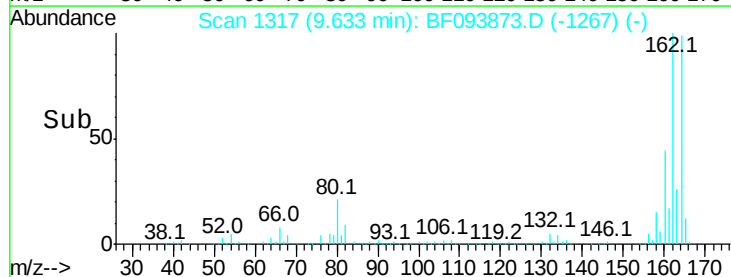
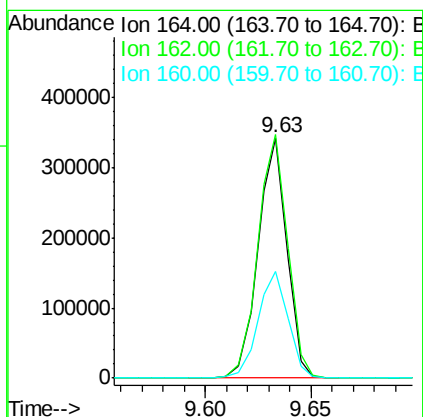
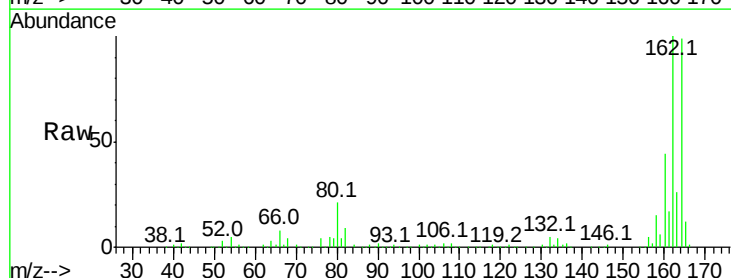
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 514514
 Ion Ratio Lower Upper
 82 100
 128 45.9 34.0 51.0
 54 49.5 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: BF093873.D
 Acq: 23 Mar 2017 10:24

Tgt Ion: 164 Resp: 324990
 Ion Ratio Lower Upper
 164 100
 162 101.4 82.6 123.8
 160 44.3 36.2 54.2

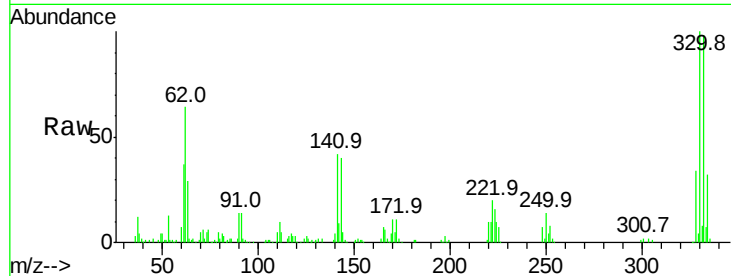




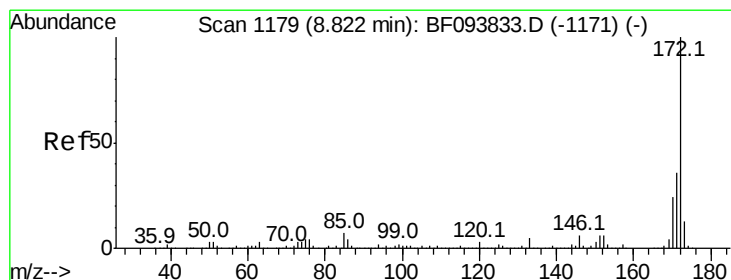
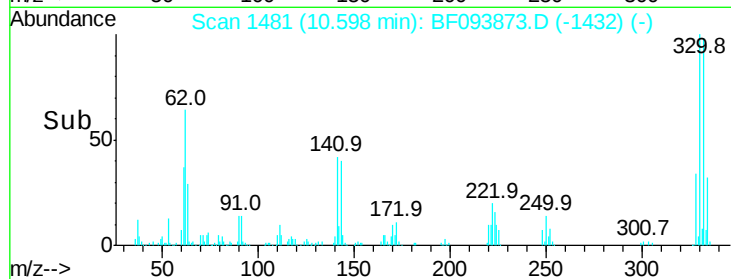
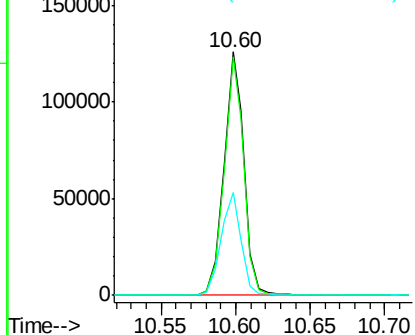
#41
 2,4,6-Tribromophenol
 Concen: 46.47 ng
 RT: 10.60 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF093873.D
 Acq: 23 Mar 2017 10:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 119329
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.6 115.0
 141 42.5 31.4 47.2

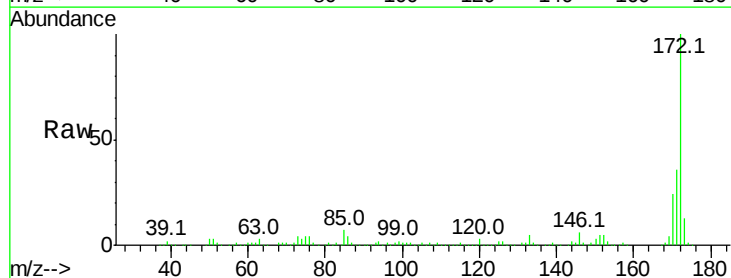


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

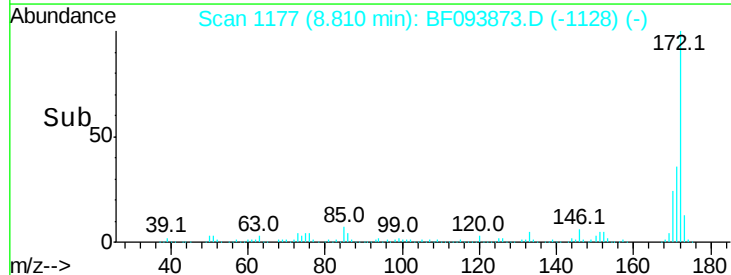
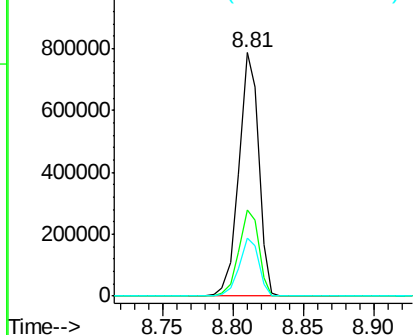


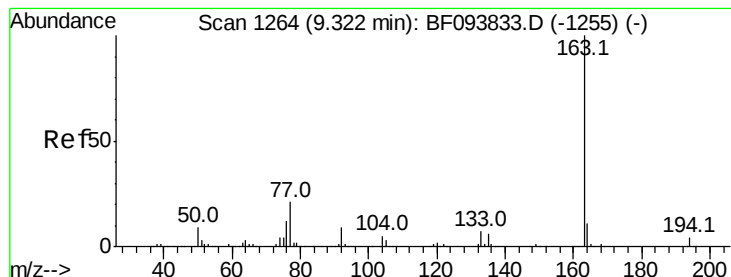
#44
 2-Fluorobiphenyl
 Concen: 36.15 ng
 RT: 8.81 min Scan# 1177
 Delta R.T. -0.01 min
 Lab File: BF093873.D
 Acq: 23 Mar 2017 10:24

Tgt Ion:172 Resp: 770297
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.6 44.4
 170 23.6 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: 3.63 ng

RT: 9.30 min Scan# 1261

Delta R.T. -0.02 min

Lab File: BF093873.D

Acq: 23 Mar 2017 10:24

Instrument :

BNA_F

ClientSampled :

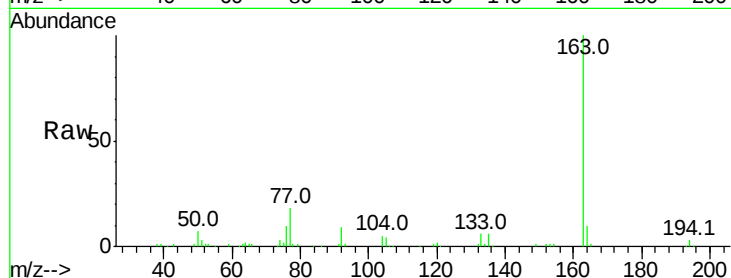
Tot Ion:163 Resp: 83960

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

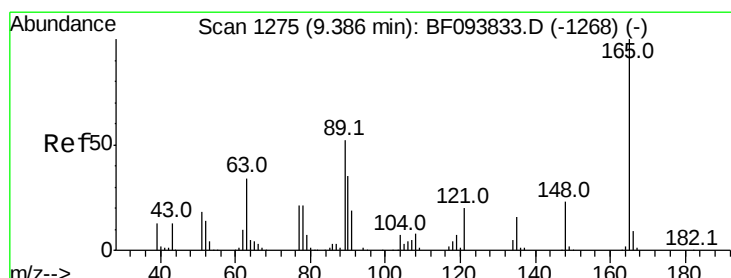
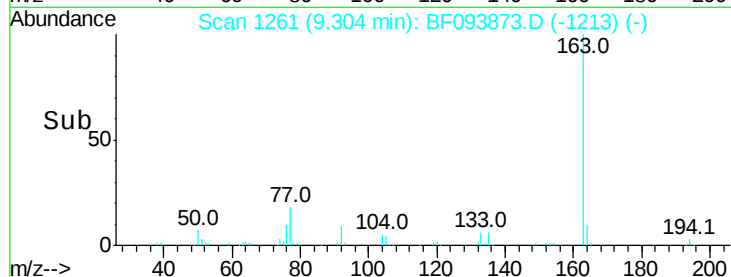
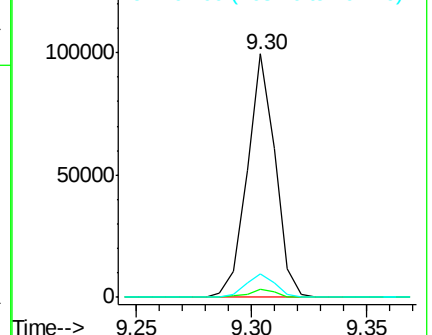
164 9.8 8.4 12.6



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



#50

2,6-Dinitrotoluene

Concen: 7.94 ng

RT: 9.63 min Scan# 1317

Delta R.T. 0.25 min

Lab File: BF093873.D

Acq: 23 Mar 2017 10:24

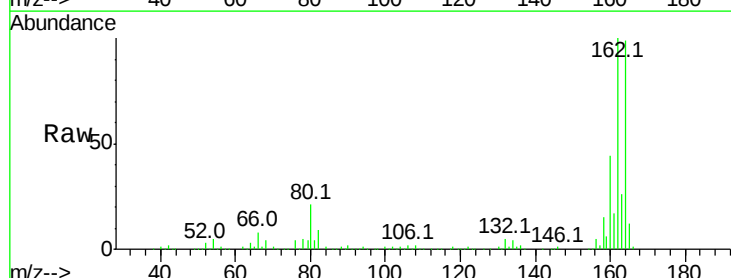
Tgt Ion:165 Resp: 42064

Ion Ratio Lower Upper

165 100

63 1.4 34.3 51.5#

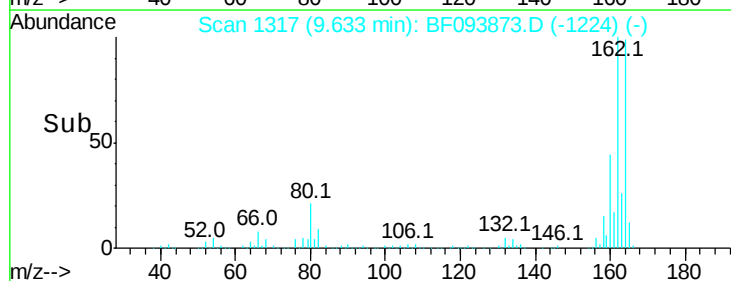
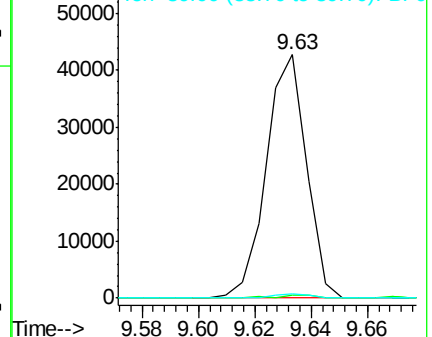
89 2.0 37.1 55.7#



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

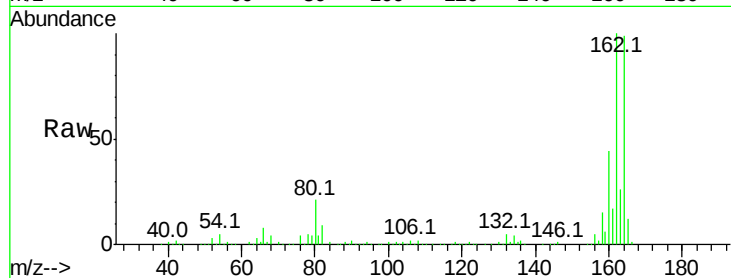




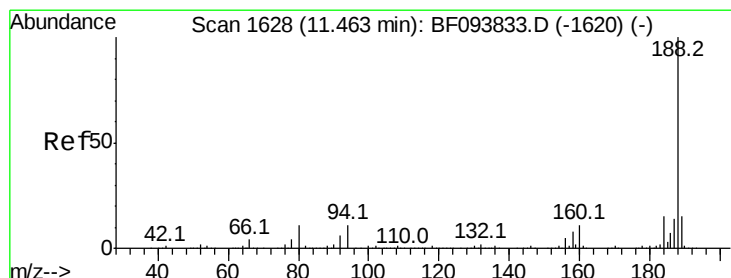
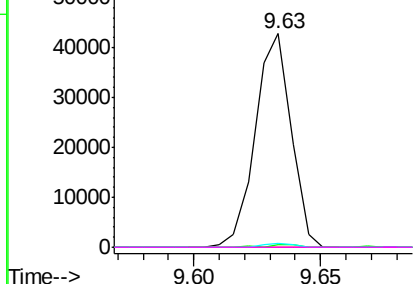
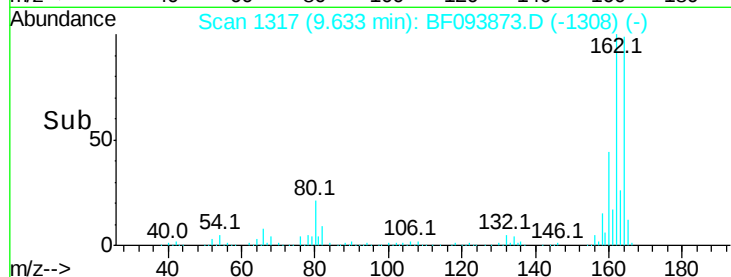
#56
 2,4-Dinitrotoluene
 Concen: 6.32 ng
 RT: 9.63 min Scan# 1317
 Delta R.T. -0.25 min
 Lab File: BF093873.D
 Acq: 23 Mar 2017 10:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 42064
 Ion Ratio Lower Upper
 165 100
 63 1.4 25.4 38.0#
 89 2.0 46.4 69.6#
 182 0.0 1.8 2.6#

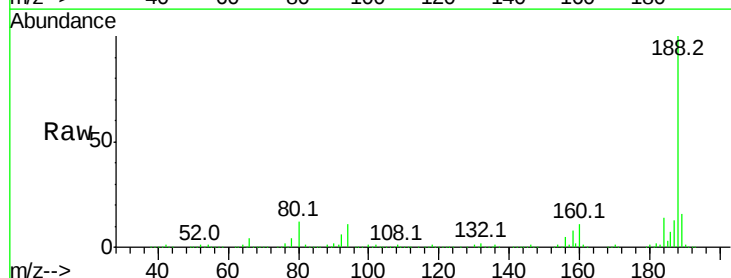


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

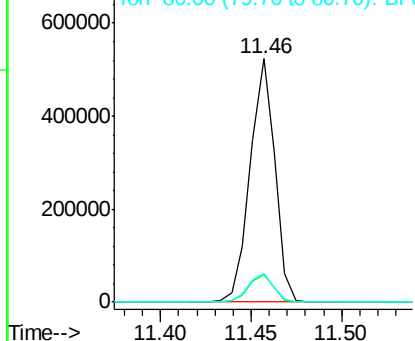
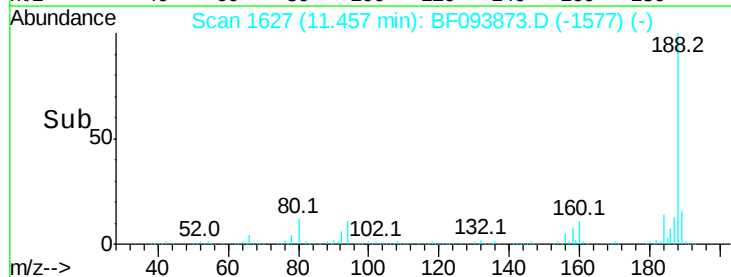


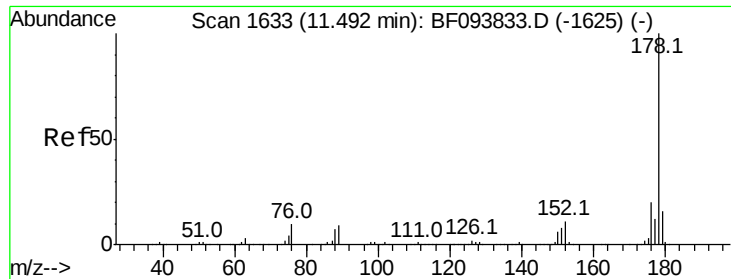
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.46 min Scan# 1627
 Delta R.T. -0.01 min
 Lab File: BF093873.D
 Acq: 23 Mar 2017 10:24

Tgt Ion:188 Resp: 497400
 Ion Ratio Lower Upper
 188 100
 94 11.3 9.4 14.2
 80 11.6 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: 2.14 ng

RT: 11.49 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BF093873.D

Acq: 23 Mar 2017 10:24

Instrument :

BNA_F

ClientSampleId :

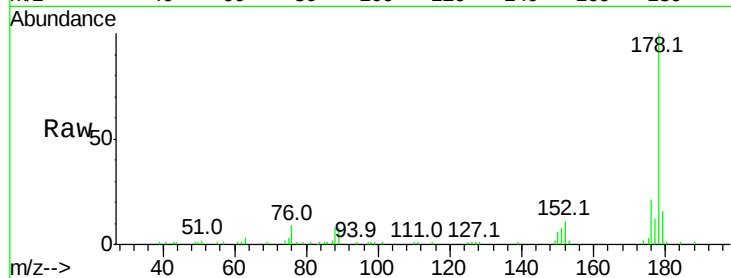
Tot Ion:178 Resp: 59242

Ion Ratio Lower Upper

178 100

176 20.6 16.2 24.4

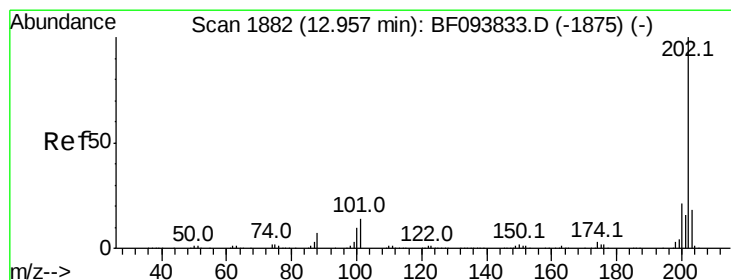
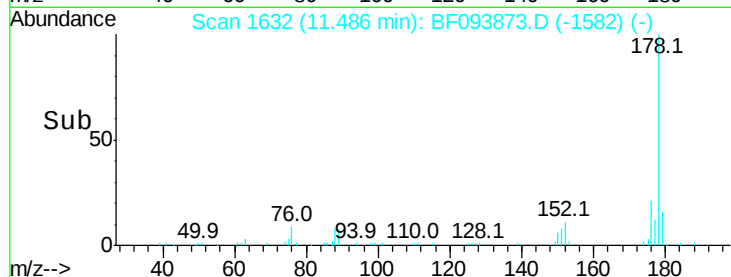
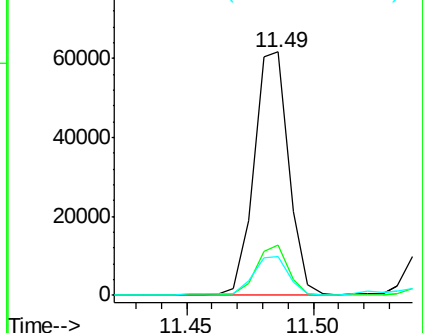
179 15.9 12.6 19.0



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: 4.30 ng

RT: 12.94 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BF093873.D

Acq: 23 Mar 2017 10:24

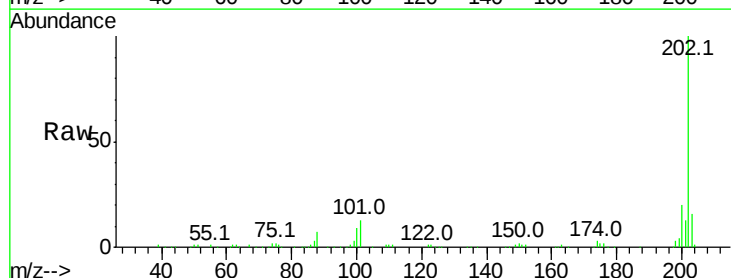
Tgt Ion:202 Resp: 121925

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.2

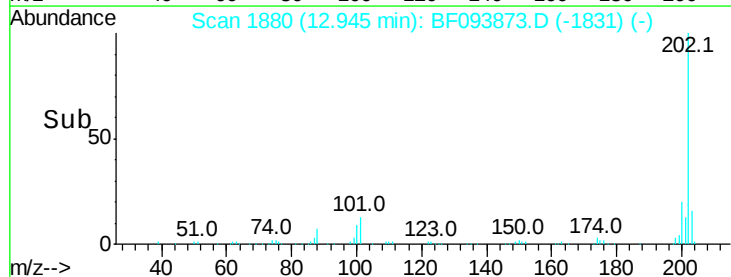
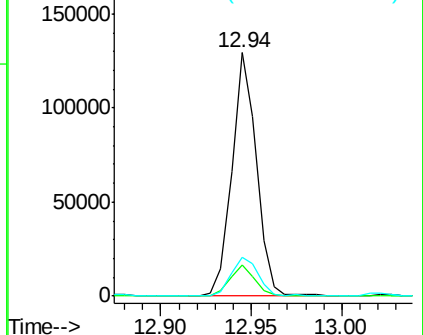
203 16.1 0.0 38.1

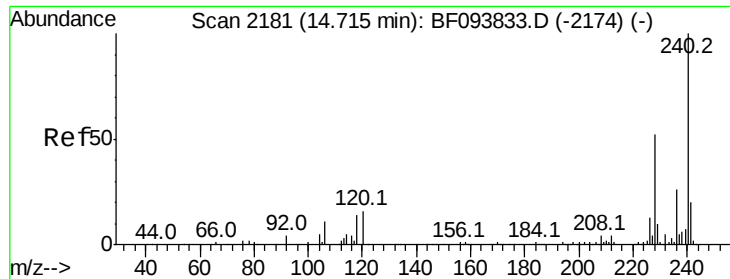


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF093873.D

Acq: 23 Mar 2017 10:24

Instrument :

BNA_F

ClientSampleId :

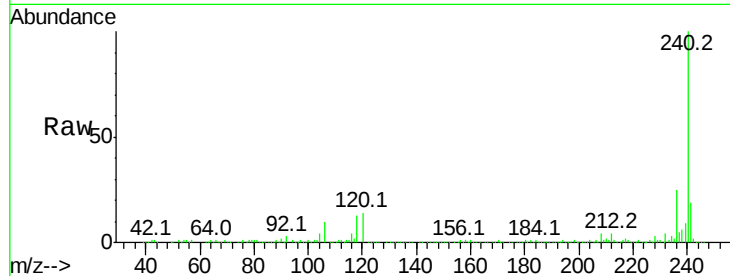
Tot Ion:240 Resp: 340795

Ion Ratio Lower Upper

240 100

120 14.2 5.8 8.8#

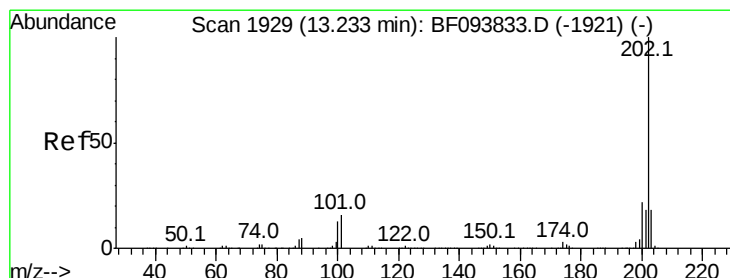
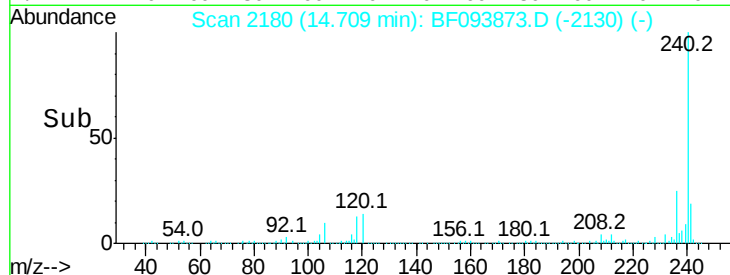
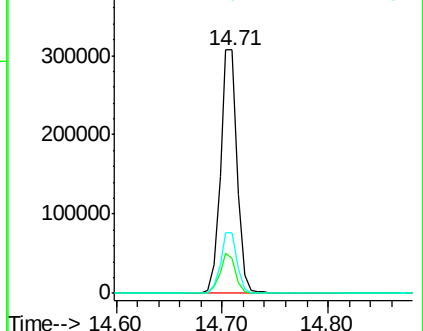
236 24.9 20.5 30.7



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

Pyrene

Concen: 5.16 ng

RT: 13.22 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BF093873.D

Acq: 23 Mar 2017 10:24

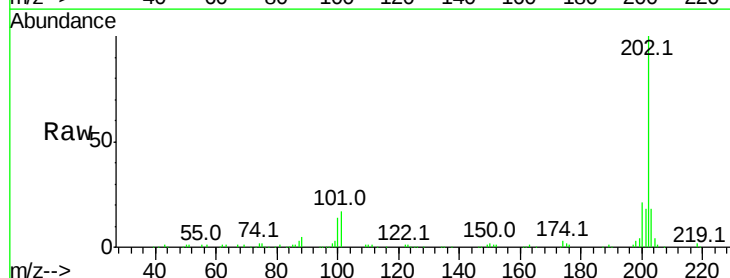
Tgt Ion:202 Resp: 127513

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

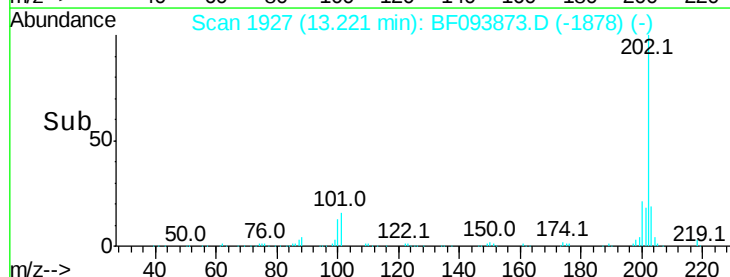
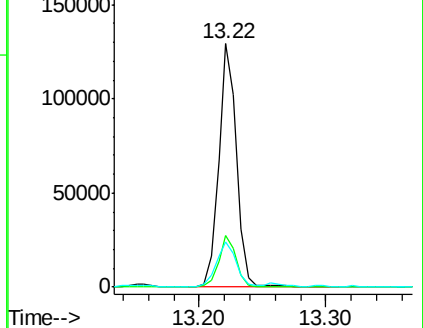
203 18.5 14.4 21.6

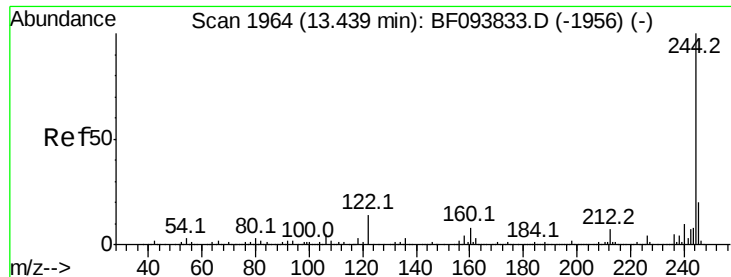


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

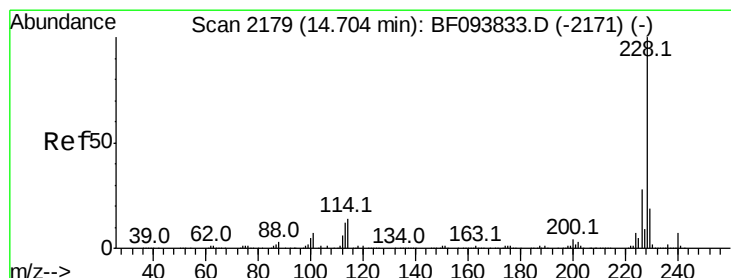
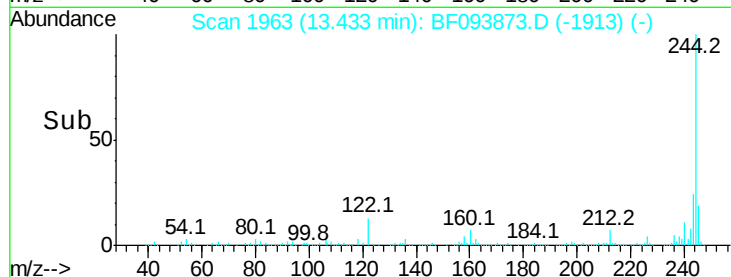
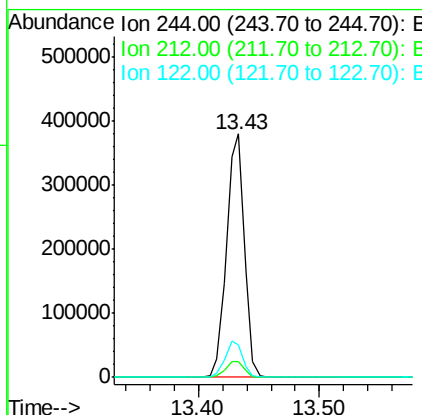
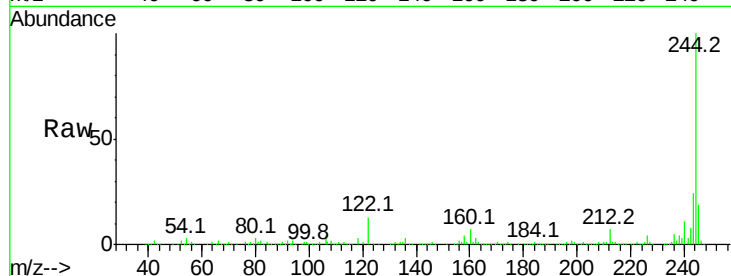




#78
 Terphenyl-d14
 Concen: 25.52 ng
 RT: 13.43 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: BF093873.D
 Acq: 23 Mar 2017 10:24

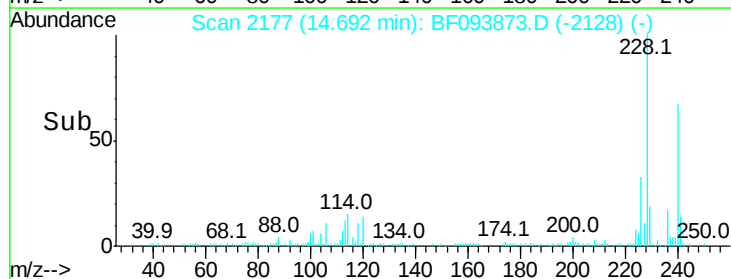
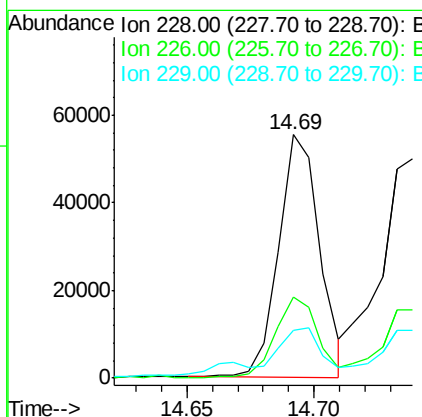
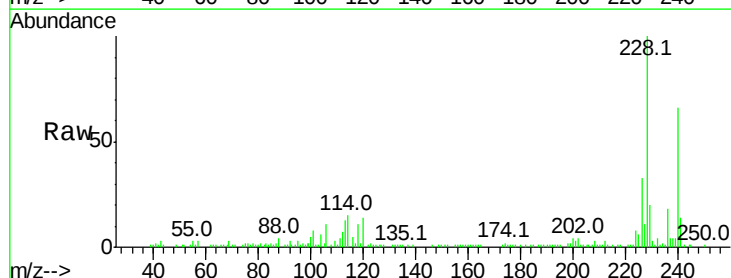
Instrument :
 BNA_F
 ClientSampleId :

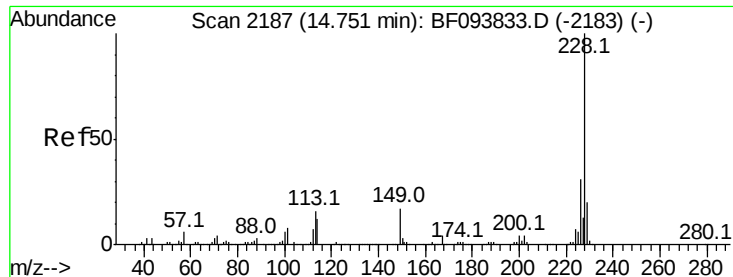
Tot Ion:244 Resp: 387946
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 13.5 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 3.13 ng
 RT: 14.69 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: BF093873.D
 Acq: 23 Mar 2017 10:24

Tgt Ion:228 Resp: 62131
 Ion Ratio Lower Upper
 228 100
 226 33.4 22.6 33.8
 229 19.7 16.3 24.5





#82

Chrysene

Concen: 3.30 ng

RT: 14.74 min Scan# 2185

Delta R.T. -0.01 min

Lab File: BF093873.D

Acq: 23 Mar 2017 10:24

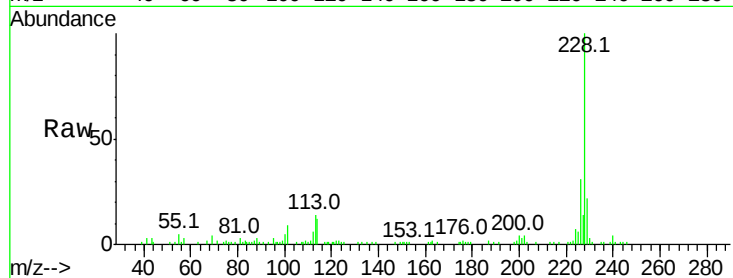
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 60810

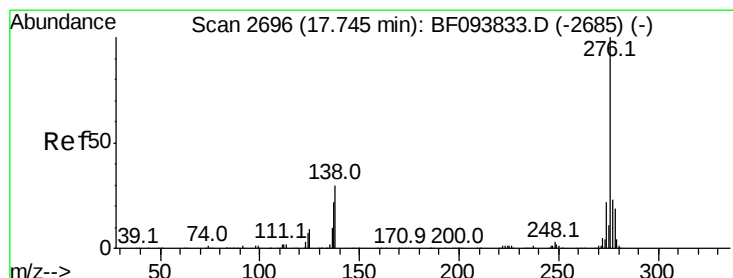
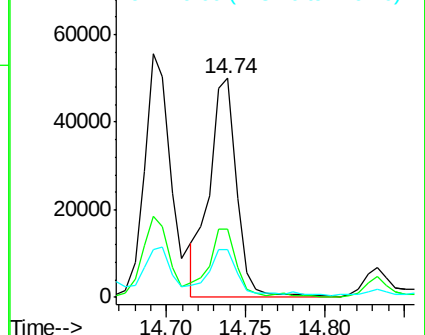
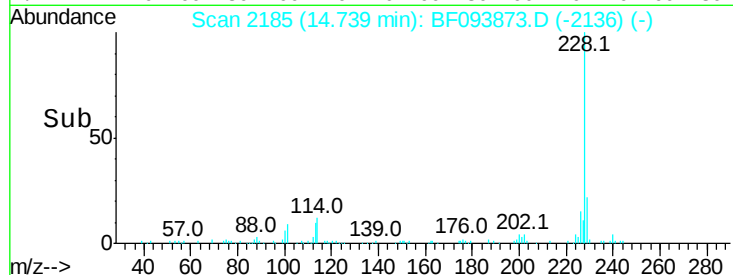
Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	21.8	15.8	23.6



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: 3.60 ng

RT: 17.73 min Scan# 2693

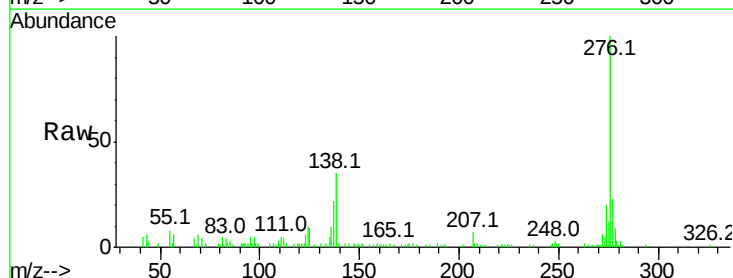
Delta R.T. -0.02 min

Lab File: BF093873.D

Acq: 23 Mar 2017 10:24

Tgt Ion:276 Resp: 57531

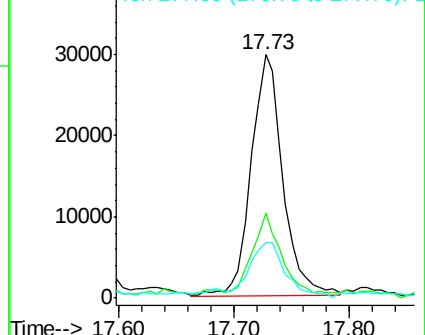
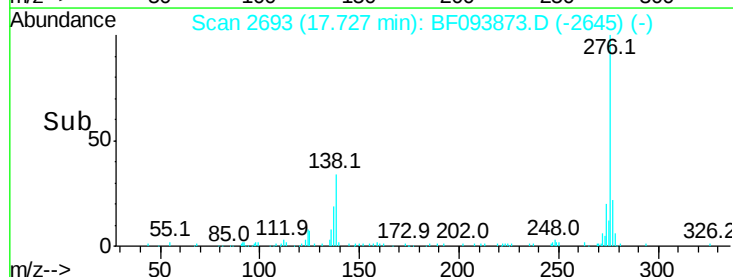
Ion	Ratio	Lower	Upper
276	100		
138	32.7	27.8	41.6
277	26.4	20.2	30.4

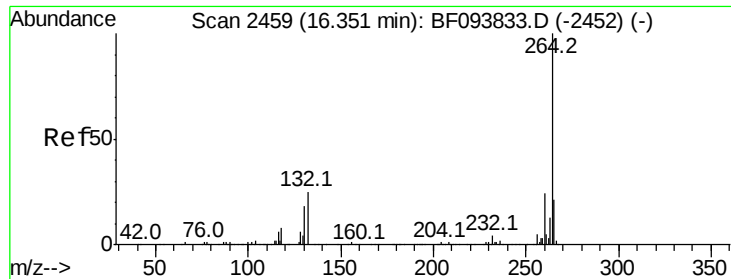


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



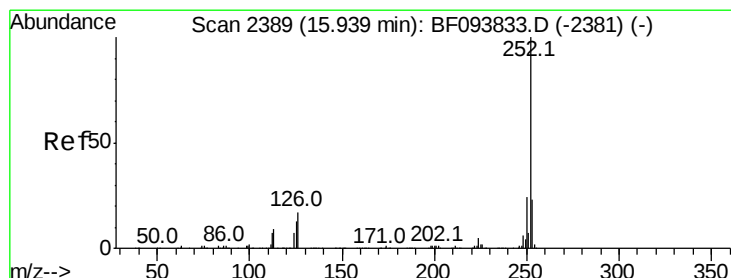
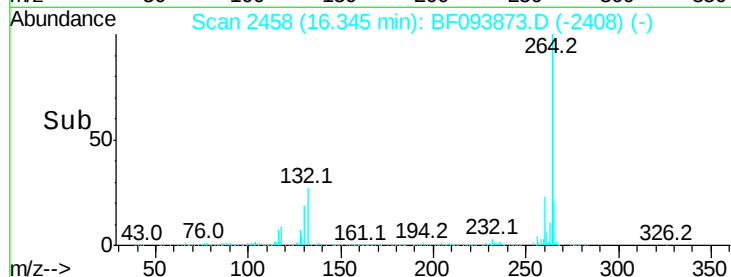
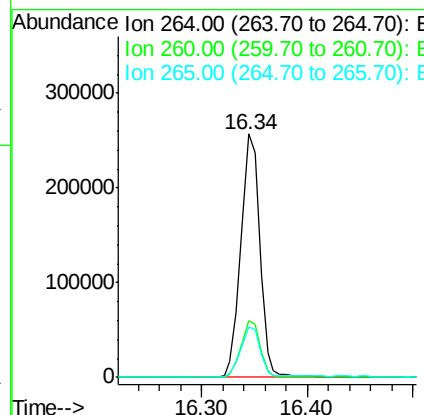
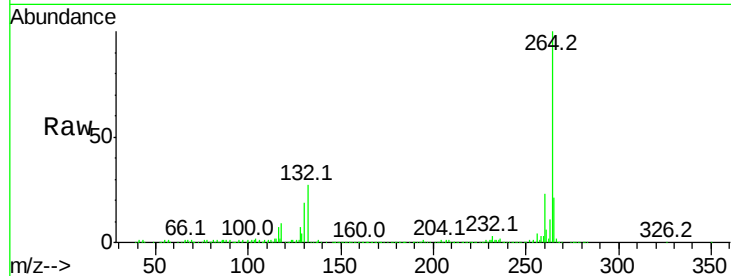


#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.34 min Scan# 2458
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 319027

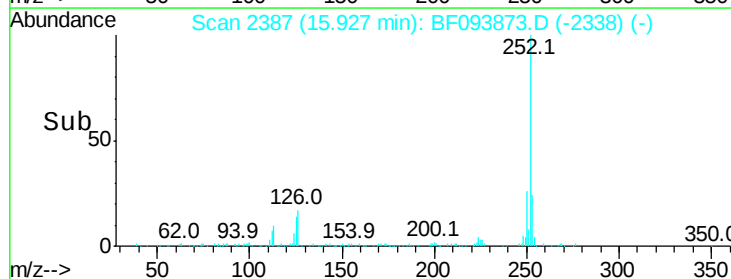
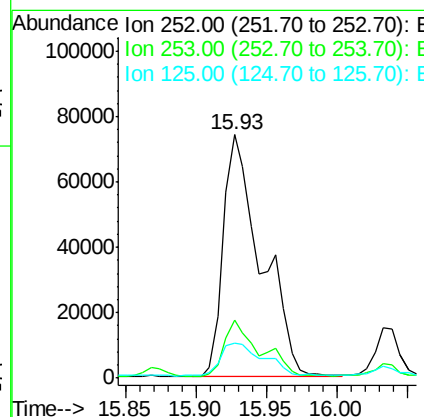
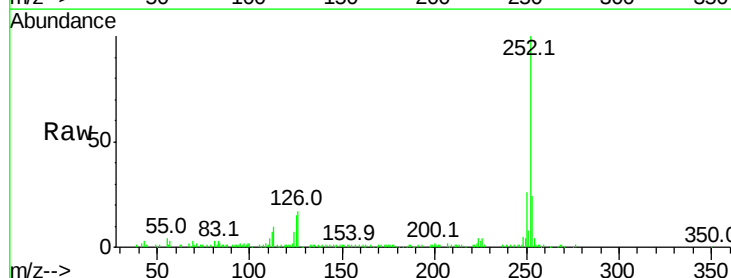
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	20.7	17.2	25.8

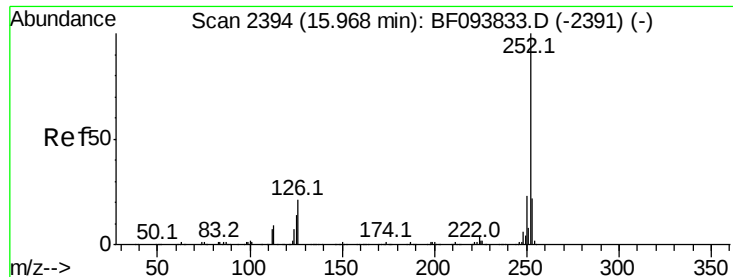


#87
Benzo(b)fluoranthene
Concen: 7.18 ng
RT: 15.93 min Scan# 2387
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Tgt Ion:252 Resp: 140334

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	14.5	9.8	14.8

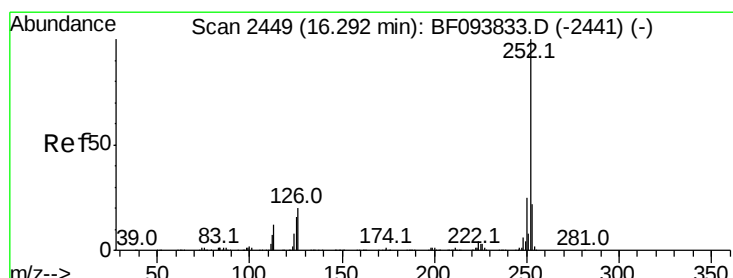
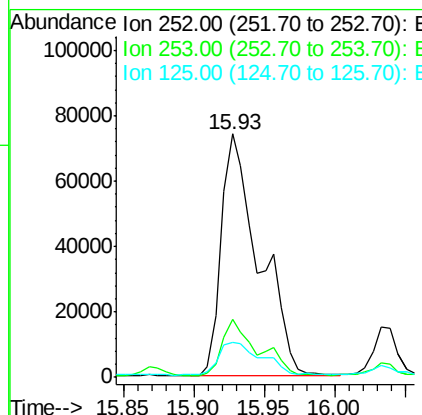
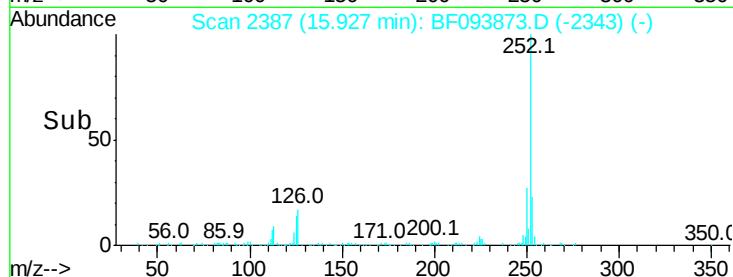
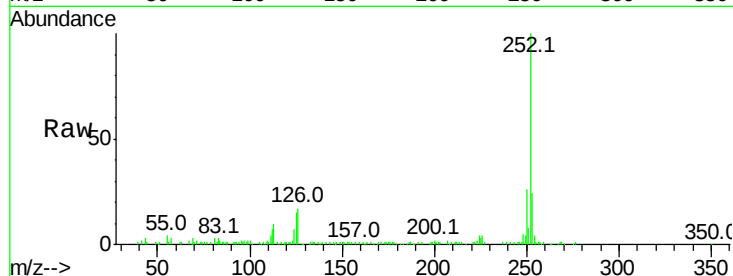




#88
Benzo(k)fluoranthene
Concen: 7.33 ng
RT: 15.93 min Scan# 2387
Delta R.T. -0.04 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

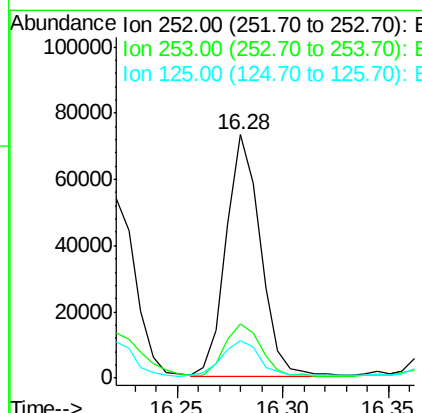
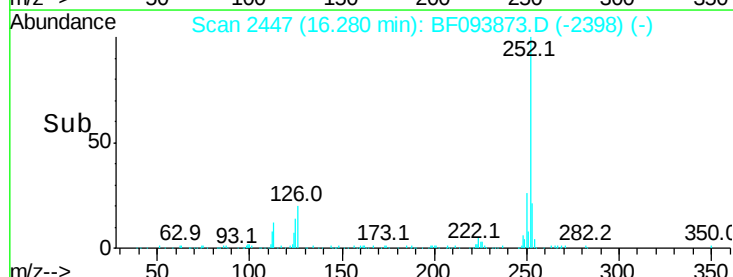
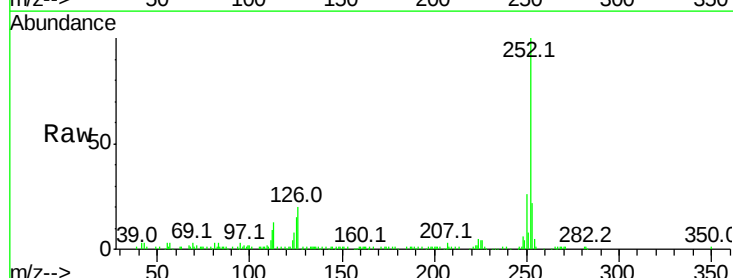
Instrument :
BNA_F
ClientSampled :

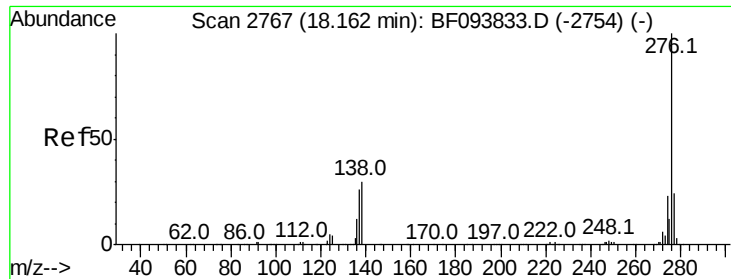
Tot Ion:252 Resp: 140334
Ion Ratio Lower Upper
252 100
253 23.7 18.4 27.6
125 14.5 13.1 19.7



#89
Benzo(a)pyrene
Concen: 4.56 ng
RT: 16.28 min Scan# 2447
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Tgt Ion:252 Resp: 82129
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 15.4 11.0 16.4





#91

Benzo(a,h,i)perylene

Concen: 3.80 ng

RT: 18.14 min Scan# 2763

Delta R.T. -0.02 min

Lab File: BF093873.D

Acq: 23 Mar 2017 10:24

Instrument :

BNA_F

ClientSampleId :

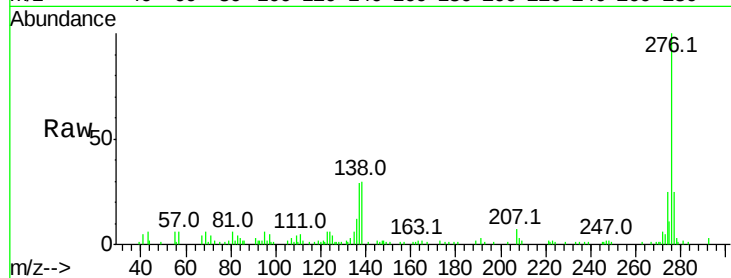
Tot Ion:276 Resp: 58363

Ion Ratio Lower Upper

276 100

277 25.0 18.6 28.0

138 29.6 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

