

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032417\
 Data File : BF093933.D
 Acq On : 25 Mar 2017 3:31
 Operator : SJ/MA
 Sample : I2379-05
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-5

Quant Time: Mar 25 04:07:26 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	5.96	152	177154	20.00	ng	-0.03
21) Naphthalene-d8	7.46	136	712016	20.00	ng	-0.03
38) Acenaphthene-d10	9.61	164	290750	20.00	ng	-0.03
63) Phenanthrene-d10	11.43	188	467184	20.00	ng	-0.03
75) Chrysene-d12	14.69	240	329137	20.00	ng	-0.03
86) Perylene-d12	16.32	264	266751	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.50	112	1401755	133.65	ng	0.00
7) Phenol-d6	5.56	99	1805391	139.14	ng	0.00
23) Nitrobenzene-d5	6.61	82	1117173	89.54	ng	-0.03
41) 2,4,6-Tribromophenol	10.58	330	323973	141.01	ng	-0.03
44) 2-Fluorobiphenyl	8.79	172	1829282	95.96	ng	-0.03
78) Terphenyl-d14	13.41	244	1124471	76.58	ng	-0.03

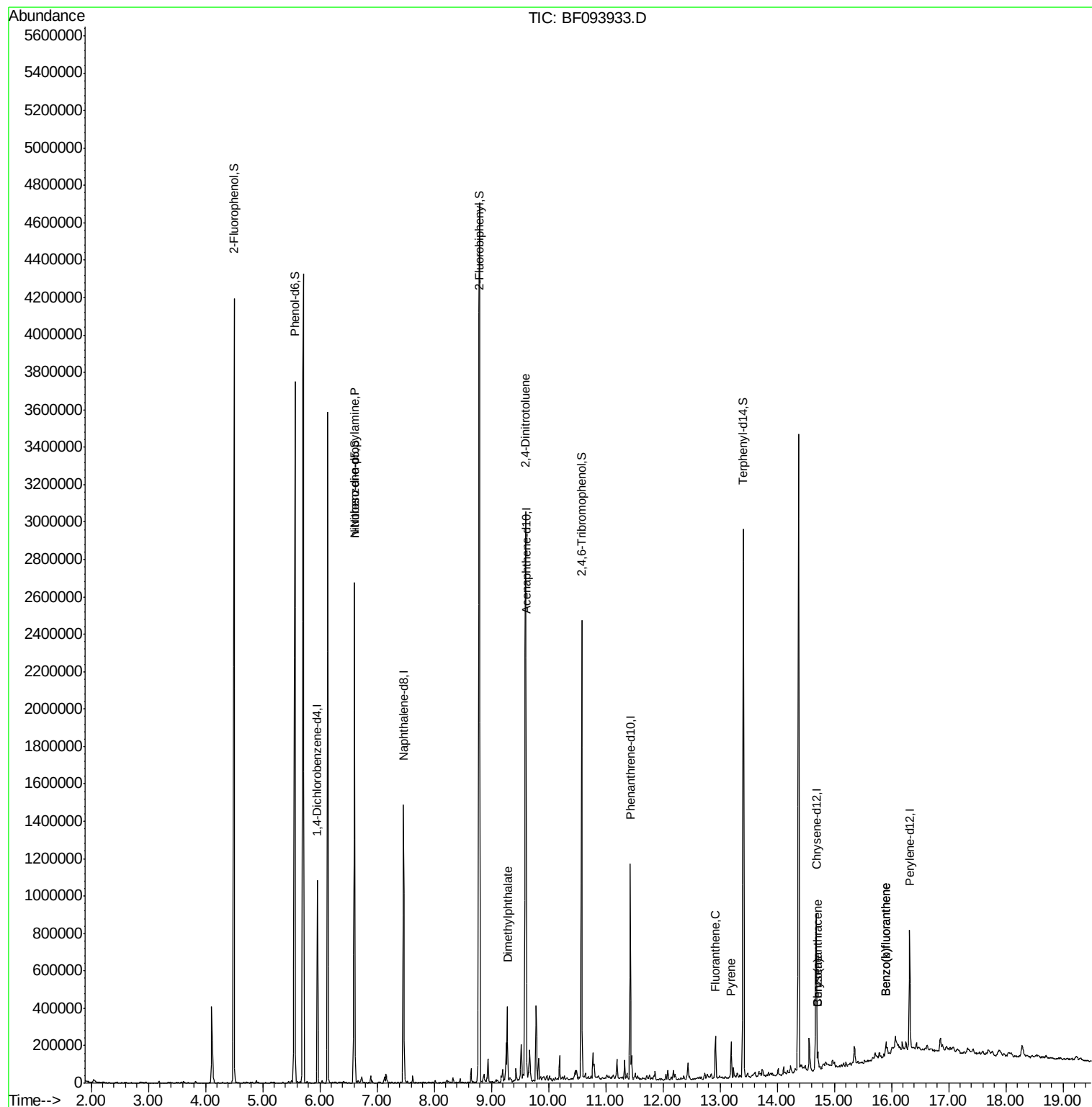
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	6.61	70	148519	17.81	ng	# 79
49) Dimethylphthalate	9.28	163	163378	7.90	ng	99
56) 2,4-Dinitrotoluene	9.60	165	36866	6.19	ng	# 39
74) Fluoranthene	12.92	202	95095	3.57	ng	98
77) Pyrene	13.20	202	80478	3.37	ng	97
80) Benzo(a)anthracene	14.71	228	40861	2.13	ng	93
82) Chrysene	14.71	228	40861	2.29	ng	95
87) Benzo(b)fluoranthene	15.90	252	55523	3.40	ng	# 94
88) Benzo(k)fluoranthene	15.90	252	55523	3.47	ng	98

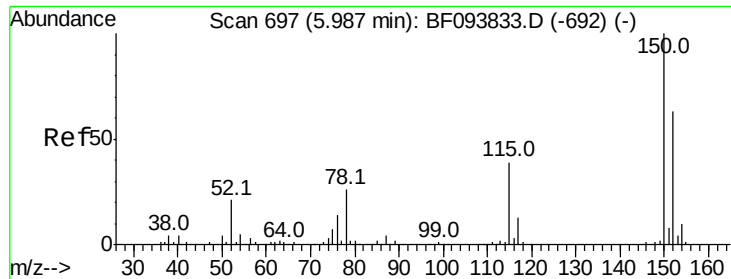
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.96 min Scan# 692

Delta R.T. -0.03 min

Lab File: BF093933.D

Acq: 25 Mar 2017 3:31

Instrument :

BNA_F

ClientSampleId :

B-5

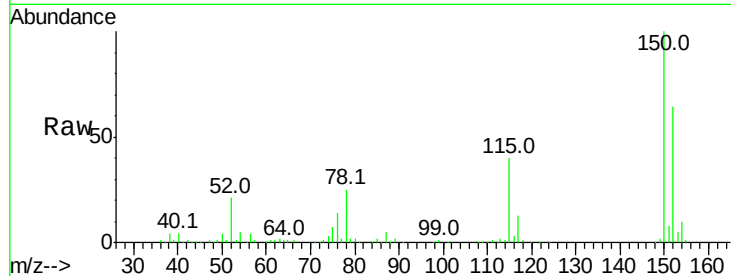
Tot Ion:152 Resp: 177154

Ion Ratio Lower Upper

152 100

150 157.0 126.2 189.2

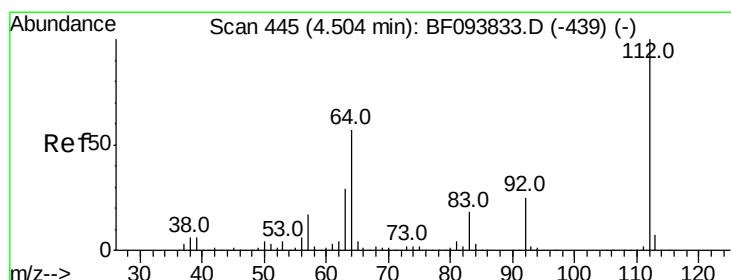
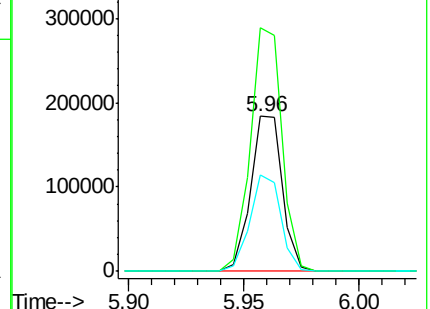
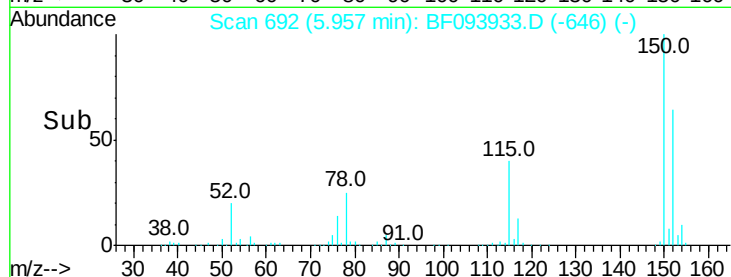
115 62.1 52.2 78.2



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: 133.65 ng

RT: 4.50 min Scan# 444

Delta R.T. -0.01 min

Lab File: BF093933.D

Acq: 25 Mar 2017 3:31

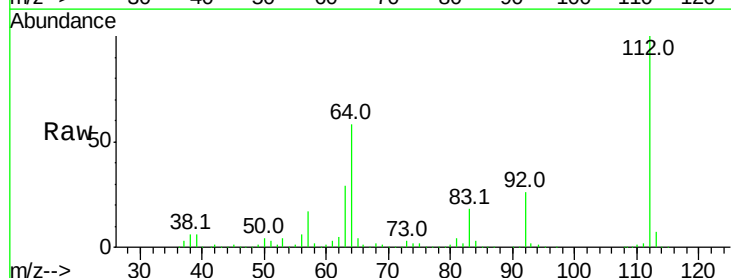
Tgt Ion:112 Resp: 1401755

Ion Ratio Lower Upper

112 100

64 57.9 46.0 69.0

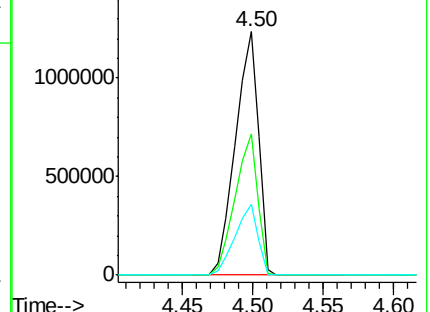
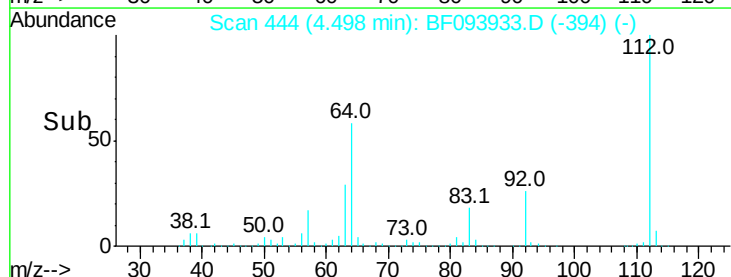
63 29.1 23.4 35.0

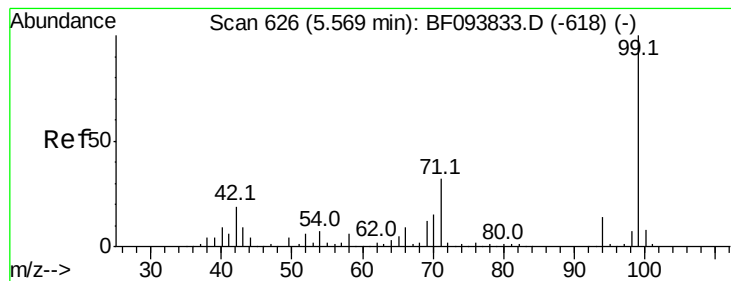


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 139.14 ng

RT: 5.56 min Scan# 625

Delta R.T. -0.01 min

Lab File: BF093933.D

Acq: 25 Mar 2017 3:31

Instrument :

BNA_F

ClientSampleId :

B-5

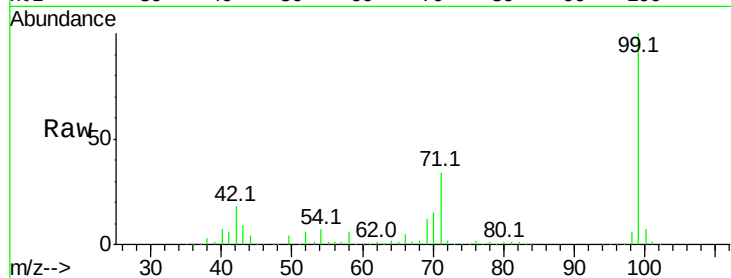
Tot Ion: 99 Resp: 1805391

Ion Ratio Lower Upper

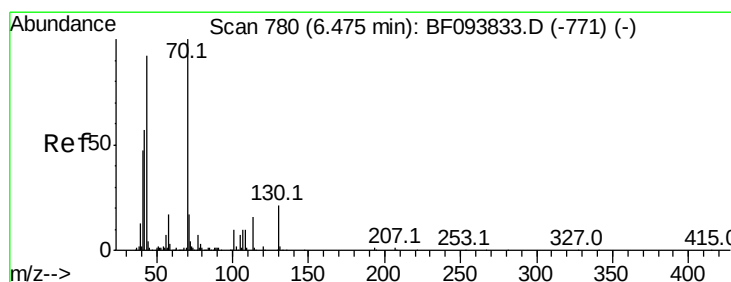
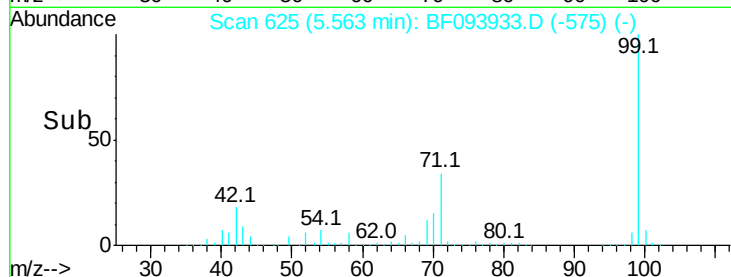
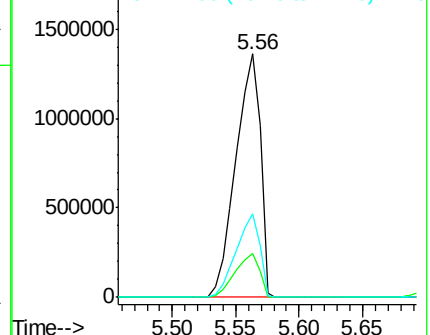
99 100

42 18.0 13.5 20.3

71 34.2 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



#19

n-Nitroso-di-n-propylamine

Concen: 17.81 ng

RT: 6.61 min Scan# 803

Delta R.T. 0.14 min

Lab File: BF093933.D

Acq: 25 Mar 2017 3:31

Tgt Ion: 70 Resp: 148519

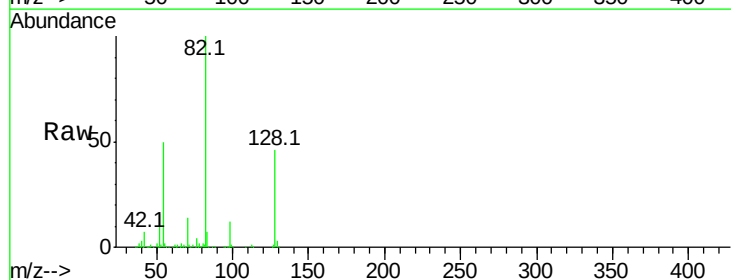
Ion Ratio Lower Upper

70 100

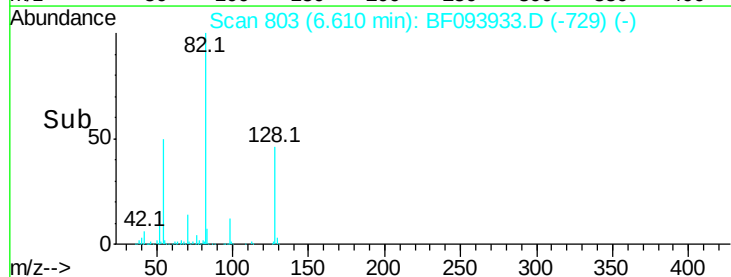
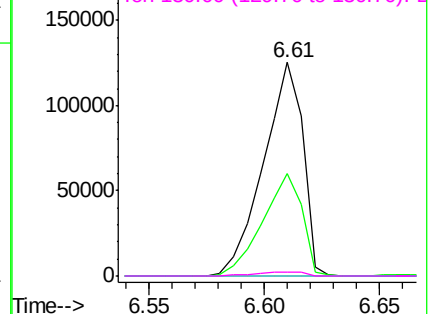
42 48.0 47.2 70.8

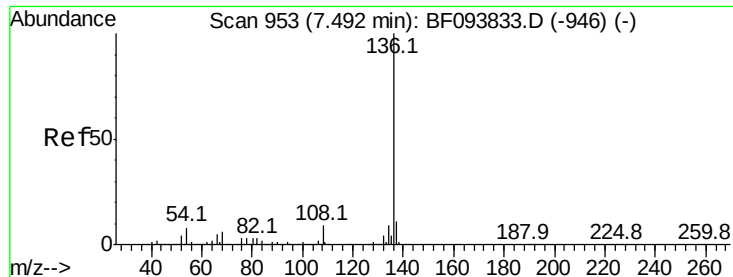
101 0.0 7.2 10.8#

130 1.8 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

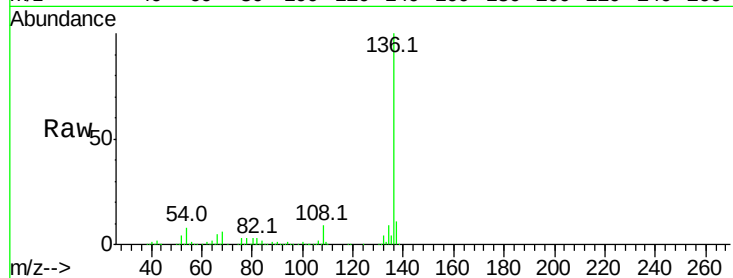




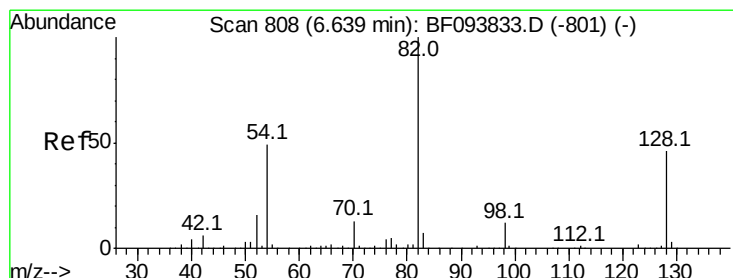
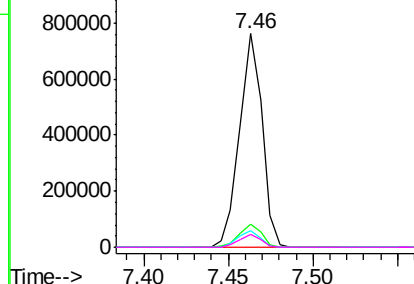
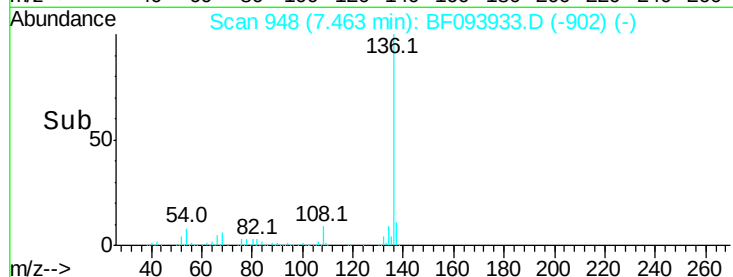
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.46 min Scan# 948
Delta R.T. -0.03 min
Lab File: BF093933.D
Acq: 25 Mar 2017 3:31

Instrument :
BNA_F
ClientSampleId :
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Tot Ion:	136	Resp:	712016
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	7.7	4.9	7.3#
68	6.0	4.1	6.1

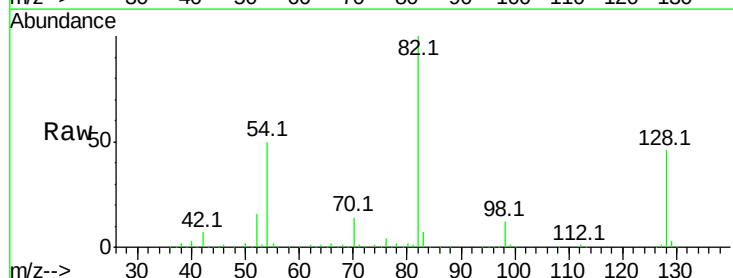


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

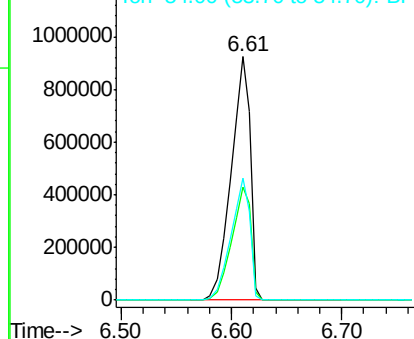
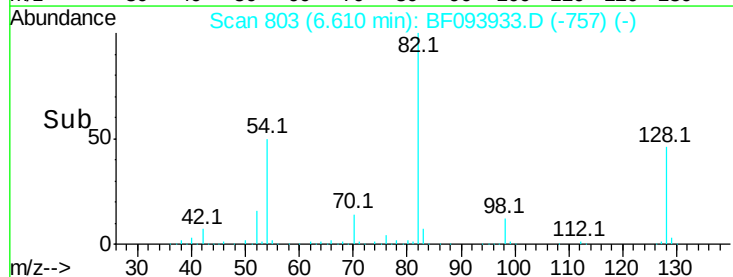


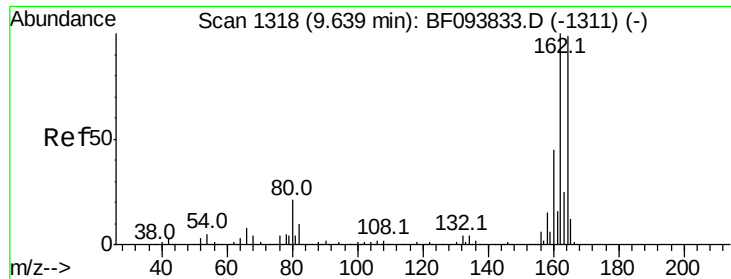
#23
Nitrobenzene-d5
Concen: 89.54 ng
RT: 6.61 min Scan# 803
Delta R.T. -0.03 min
Lab File: BF093933.D
Acq: 25 Mar 2017 3:31

Tgt Ion:	82	Resp:	1117173
Ion	Ratio	Lower	Upper
82	100		
128	46.4	34.0	51.0
54	49.9	42.2	63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.61 min Scan# 1313

Delta R.T. -0.03 min

Lab File: BF093933.D

Acq: 25 Mar 2017 3:31

Instrument :

BNA_F

ClientSampleId :

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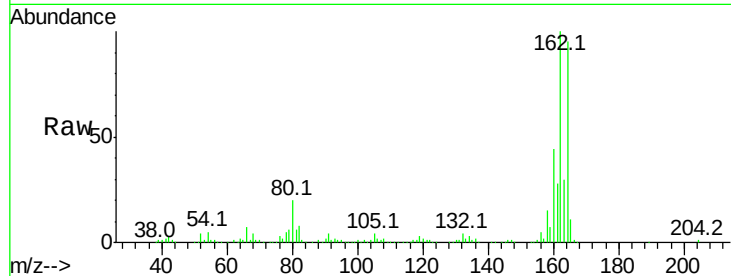
Tot Ion:164 Resp: 290750

Ion Ratio Lower Upper

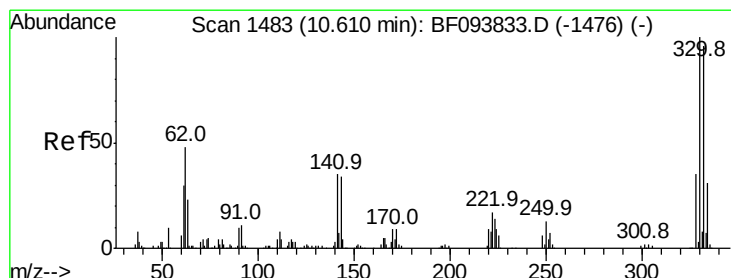
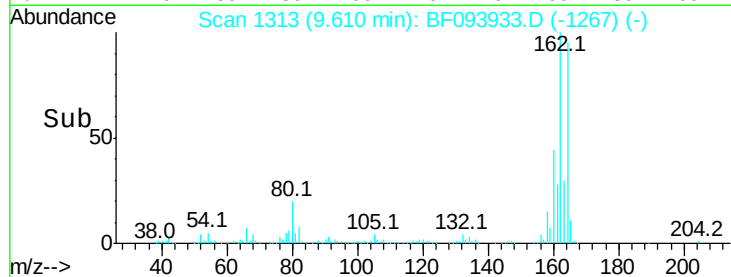
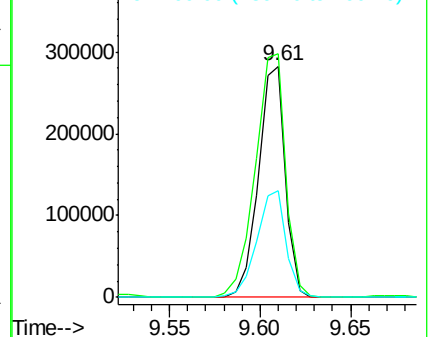
164 100

162 105.5 82.6 123.8

160 46.4 36.2 54.2



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: 141.01 ng

RT: 10.58 min Scan# 1478

Delta R.T. -0.03 min

Lab File: BF093933.D

Acq: 25 Mar 2017 3:31

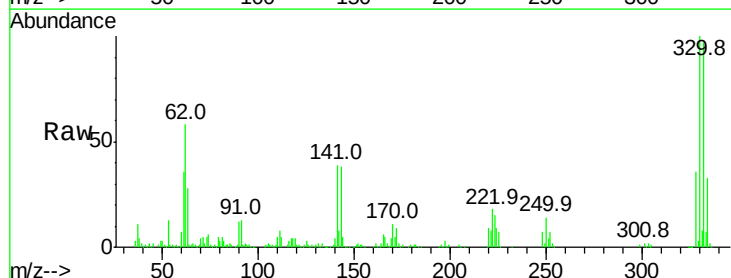
Tgt Ion:330 Resp: 323973

Ion Ratio Lower Upper

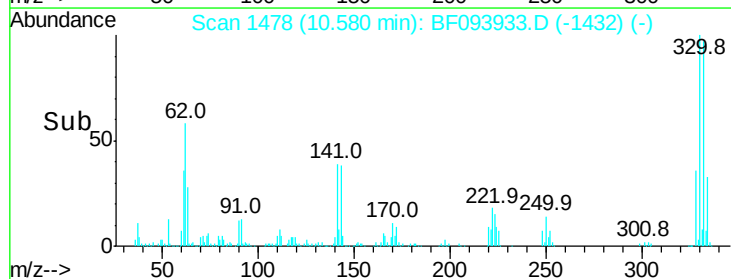
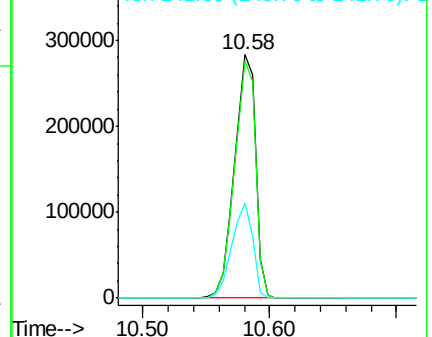
330 100

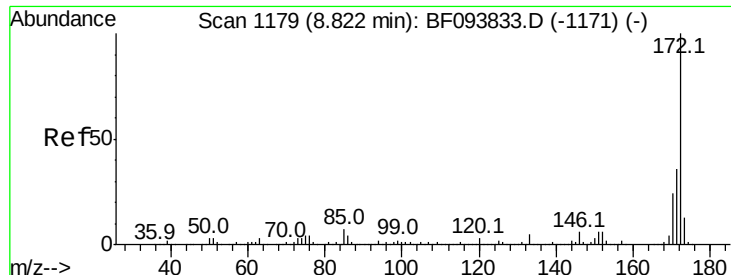
332 97.3 76.6 115.0

141 39.4 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

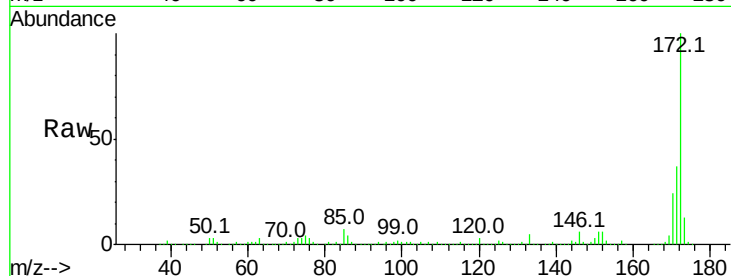




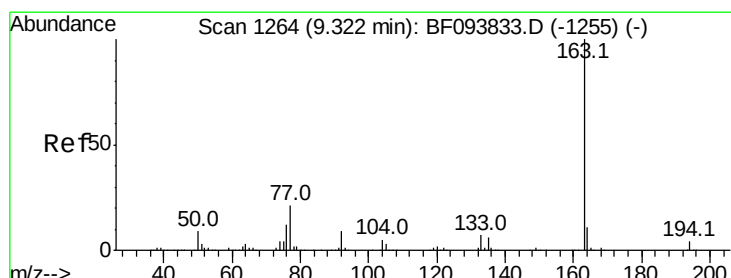
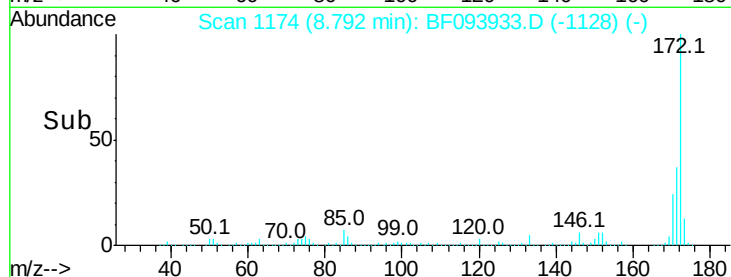
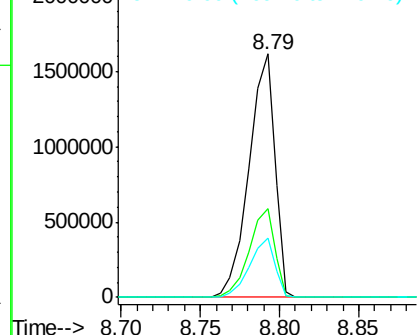
#44
2-Fluorobiphenyl
Concen: 95.96 ng
RT: 8.79 min Scan# 1174
Delta R.T. -0.03 min
Lab File: BF093933.D
Acq: 25 Mar 2017 3:31

Instrument :
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Tot Ion:172 Resp: 1829282
Ion Ratio Lower Upper
172 100
171 36.6 29.6 44.4
170 24.1 19.8 29.8

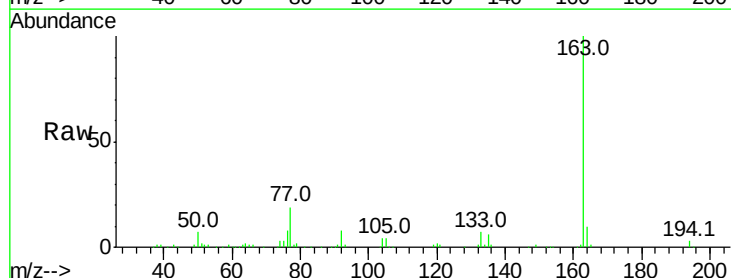


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

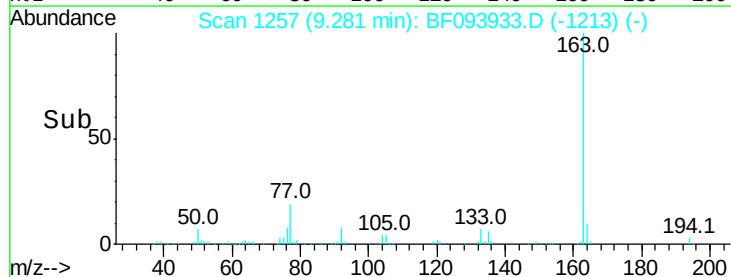
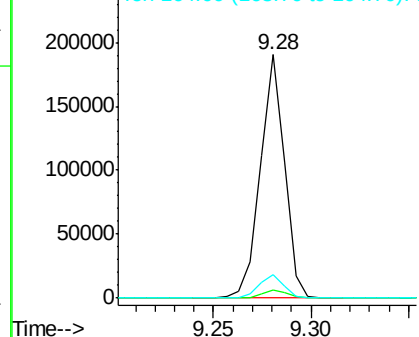


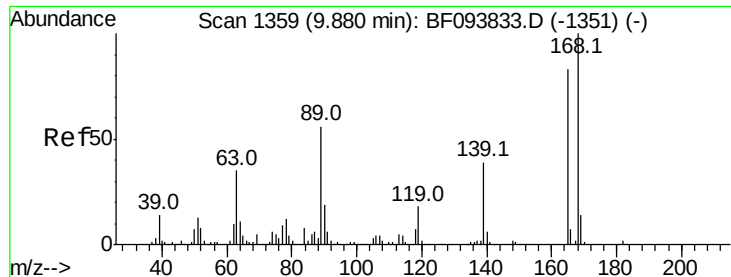
#49
Dimethylphthalate
Concen: 7.90 ng
RT: 9.28 min Scan# 1257
Delta R.T. -0.04 min
Lab File: BF093933.D
Acq: 25 Mar 2017 3:31

Tgt Ion:163 Resp: 163378
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

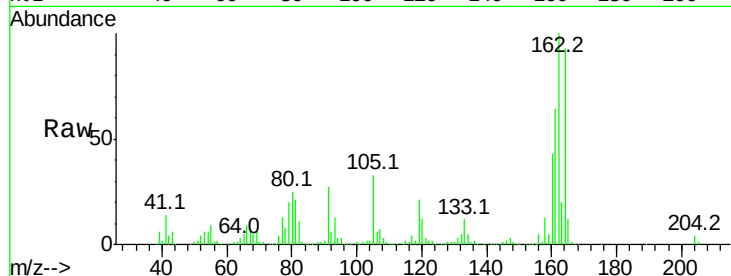




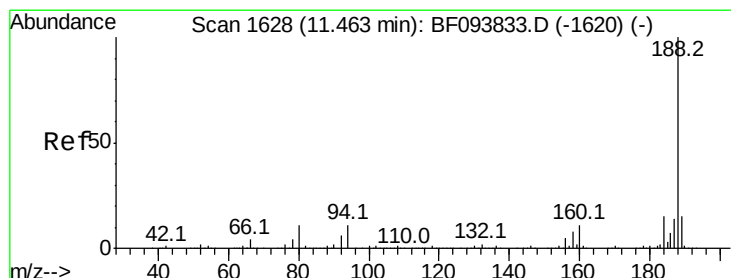
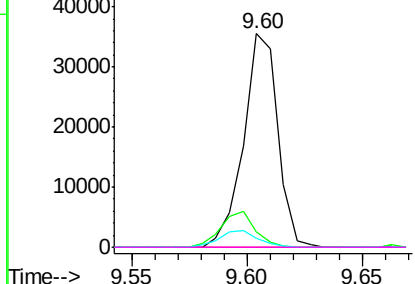
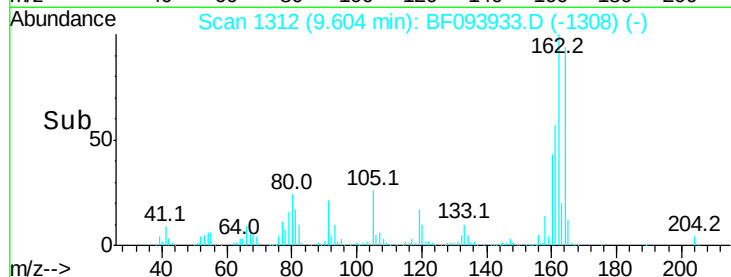
#56
 2,4-Dinitrotoluene
 Concen: 6.19 ng
 RT: 9.60 min Scan# 1312
 Delta R.T. -0.28 min
 Lab File: BF093933.D
 Acq: 25 Mar 2017 3:31

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Tot Ion:165 Resp: 36866
 Ion Ratio Lower Upper
 165 100
 63 7.5 25.4 38.0#
 89 4.5 46.4 69.6#
 182 0.0 1.8 2.6#

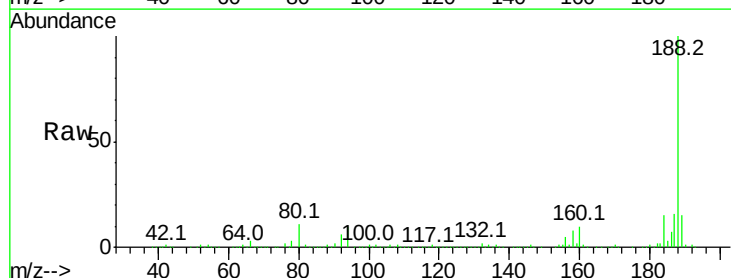


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

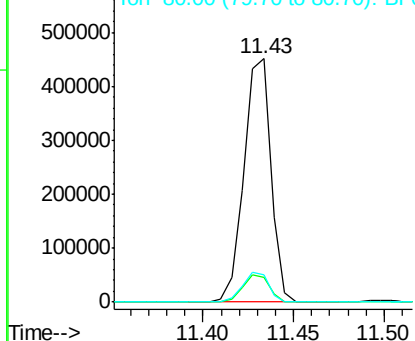
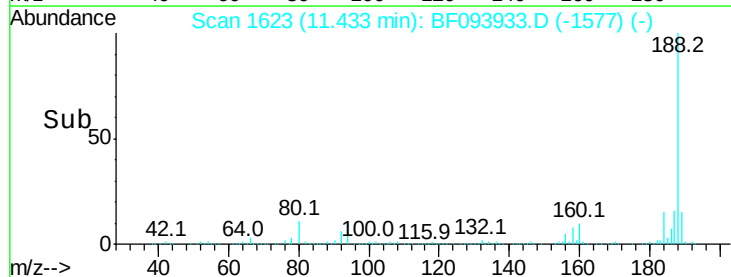


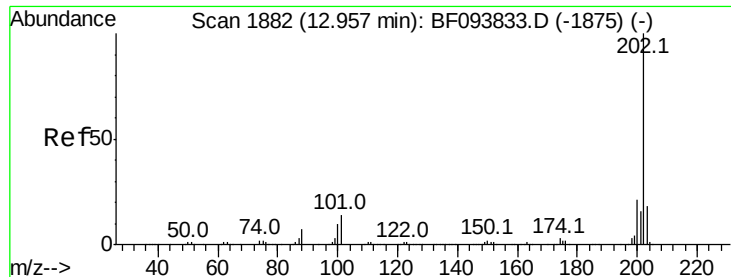
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.43 min Scan# 1623
 Delta R.T. -0.03 min
 Lab File: BF093933.D
 Acq: 25 Mar 2017 3:31

Tgt Ion:188 Resp: 467184
 Ion Ratio Lower Upper
 188 100
 94 10.1 9.4 14.2
 80 11.1 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





#74

Fluoranthene

Concen: 3.57 ng

RT: 12.92 min Scan# 1876

Delta R.T. -0.04 min

Lab File: BF093933.D

Acq: 25 Mar 2017 3:31

Instrument :

BNA_F

ClientSampled :

B-5

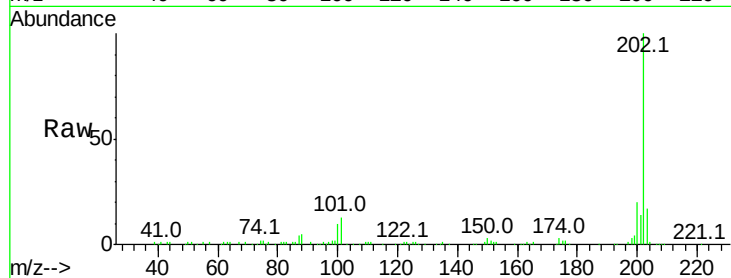
Tot Ion:202 Resp: 95095

Ion Ratio Lower Upper

202 100

101 13.1 0.0 33.2

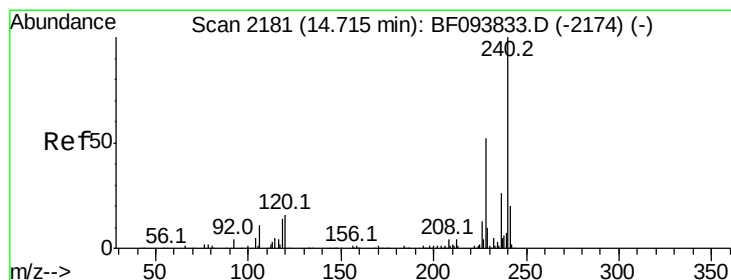
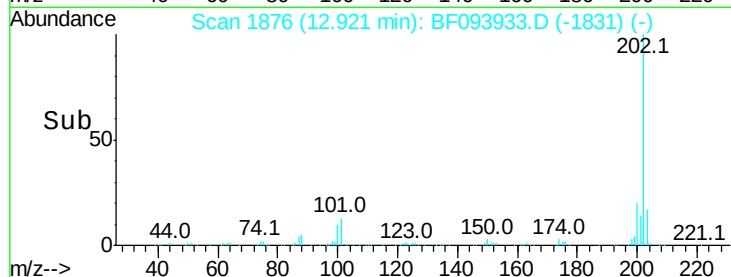
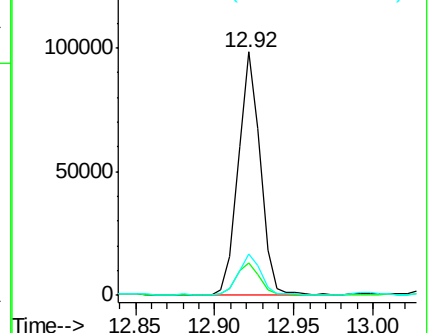
203 16.8 0.0 38.1



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: 14.69 min Scan# 2176

Delta R.T. -0.03 min

Lab File: BF093933.D

Acq: 25 Mar 2017 3:31

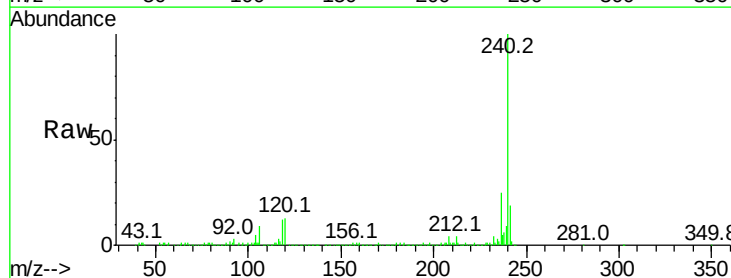
Tgt Ion:240 Resp: 329137

Ion Ratio Lower Upper

240 100

120 13.5 5.8 8.8#

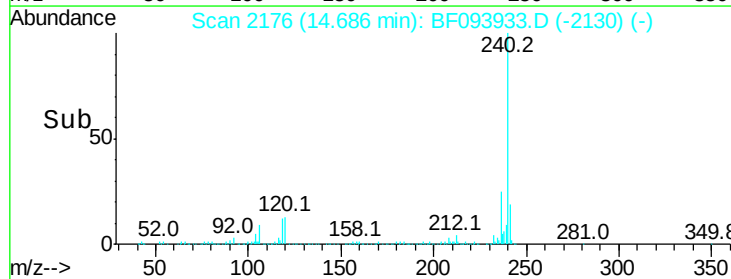
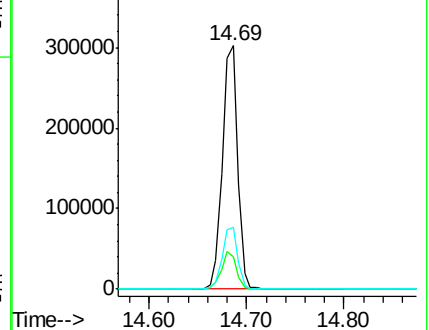
236 25.3 20.5 30.7

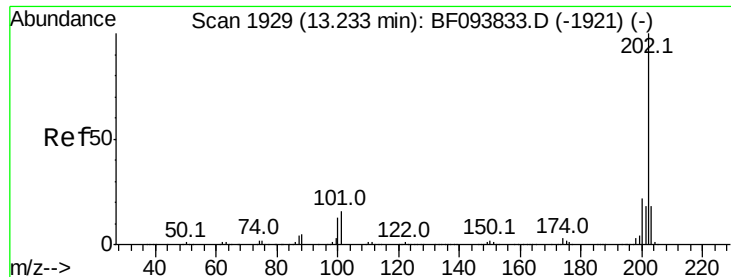


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

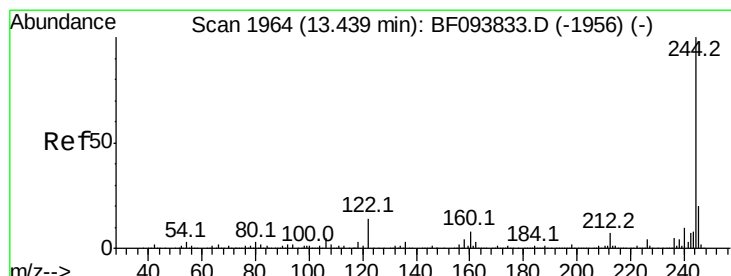
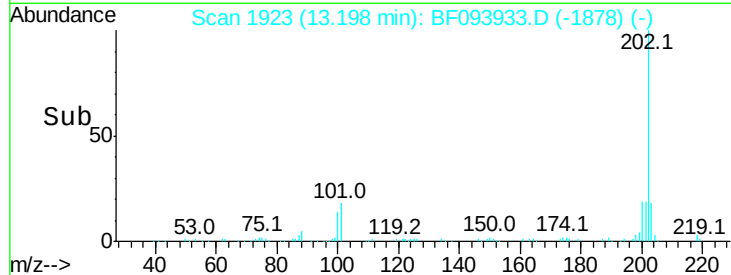
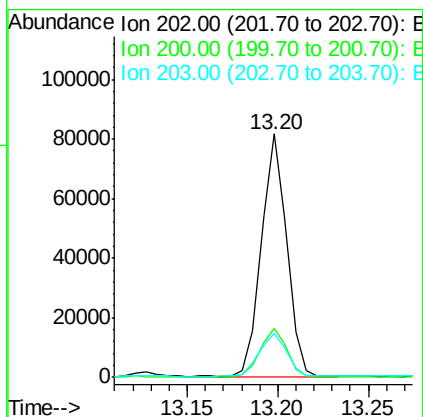
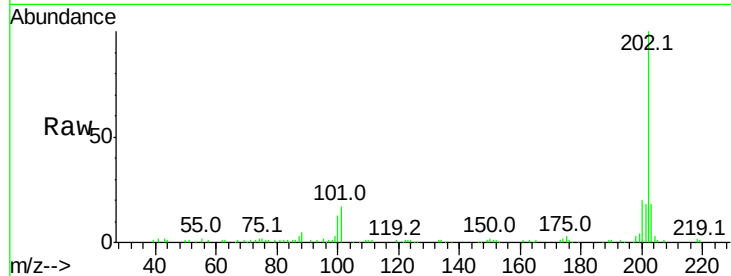




#77
Pvrene
Concen: 3.37 ng
RT: 13.20 min Scan# 1923
Delta R.T. -0.04 min
Lab File: BF093933.D
Acq: 25 Mar 2017 3:31

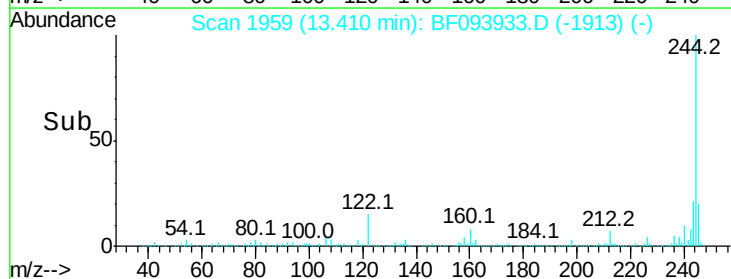
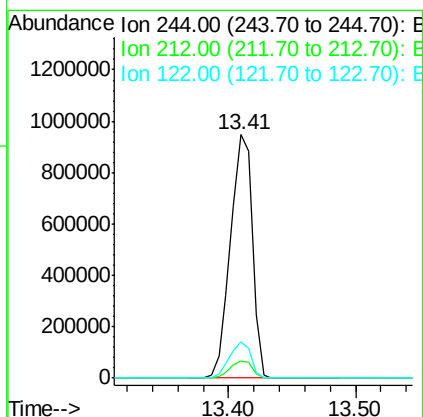
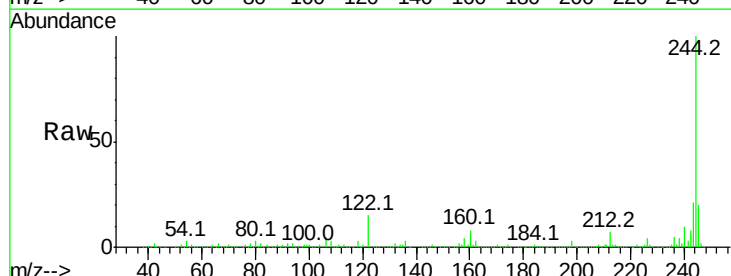
Instrument :
BNA_F
ClientSampleId :
B-5

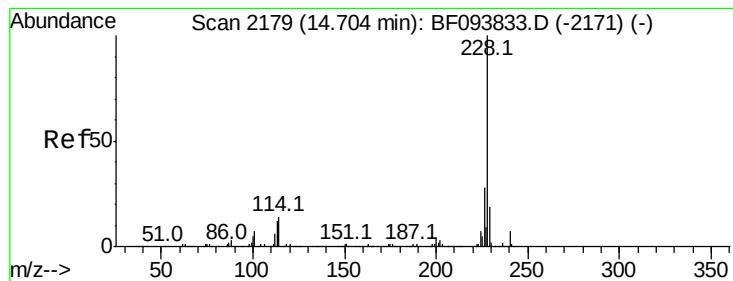
Tot Ion:202 Resp: 80478
Ion Ratio Lower Upper
202 100
200 19.9 17.6 26.4
203 17.9 14.4 21.6



#78
Terphenyl-d14
Concen: 76.58 ng
RT: 13.41 min Scan# 1959
Delta R.T. -0.03 min
Lab File: BF093933.D
Acq: 25 Mar 2017 3:31

Tgt Ion:244 Resp: 1124471
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 14.7 10.3 15.5





#80

Benzo(a)anthracene

Concen: 2.13 ng

RT: 14.71 min Scan# 2180

Delta R.T. 0.01 min

Lab File: BF093933.D

Acq: 25 Mar 2017 3:31

Instrument :

BNA_F

ClientSampleId :

B-5

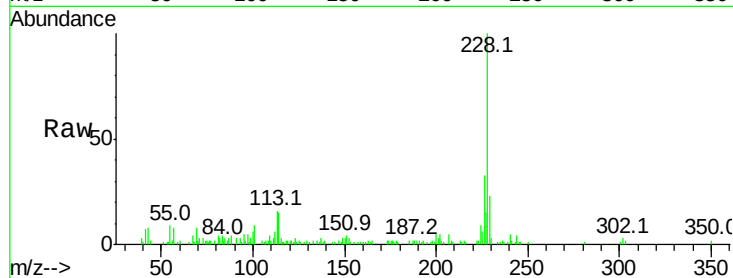
Tot Ion:228 Resp: 40861

Ion Ratio Lower Upper

228 100

226 33.0 22.6 33.8

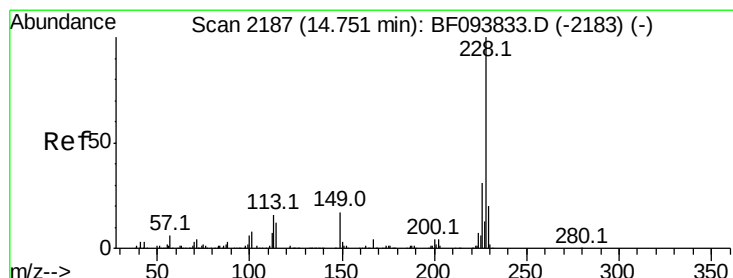
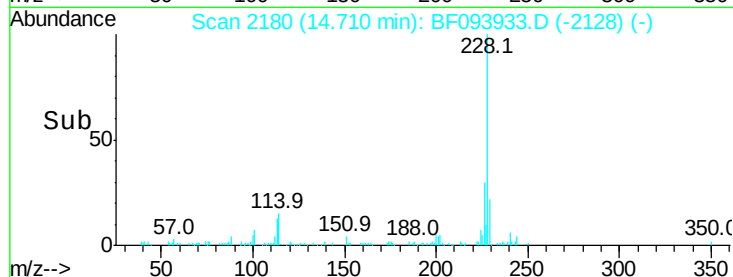
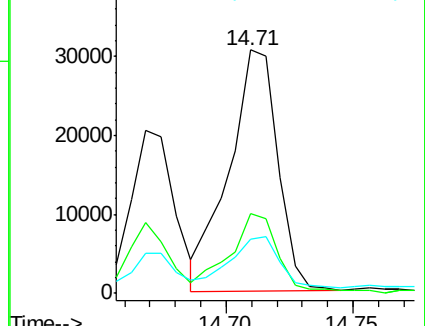
229 22.5 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.29 ng

RT: 14.71 min Scan# 2180

Delta R.T. -0.04 min

Lab File: BF093933.D

Acq: 25 Mar 2017 3:31

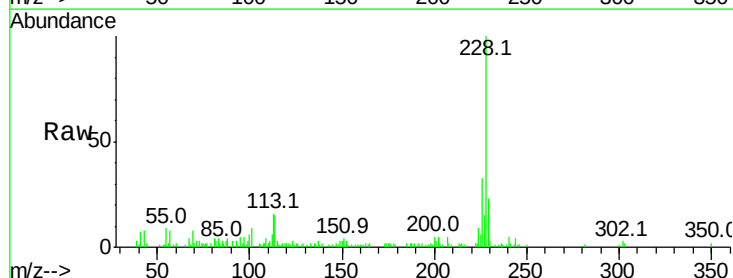
Tgt Ion:228 Resp: 40861

Ion Ratio Lower Upper

228 100

226 33.0 24.9 37.3

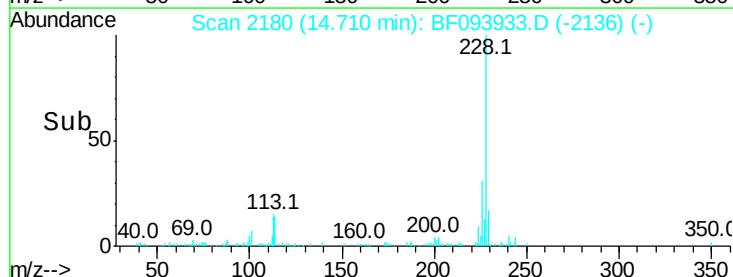
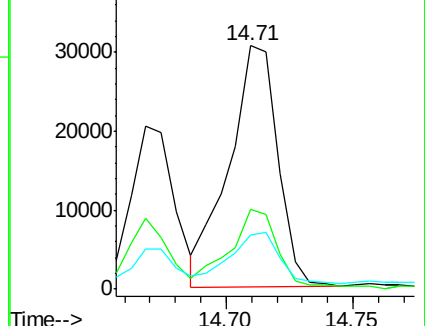
229 22.5 15.8 23.6

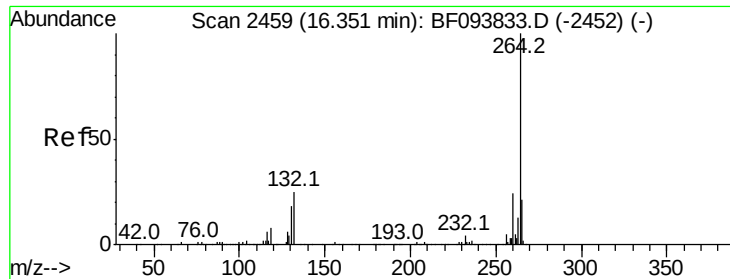


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



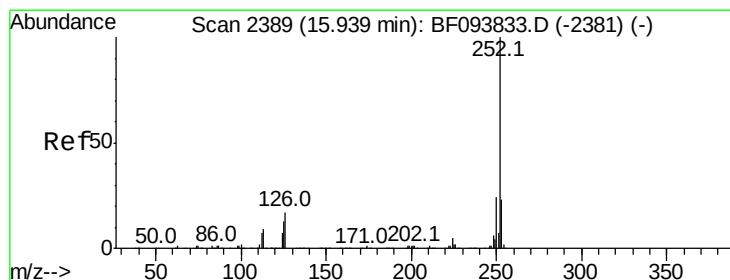
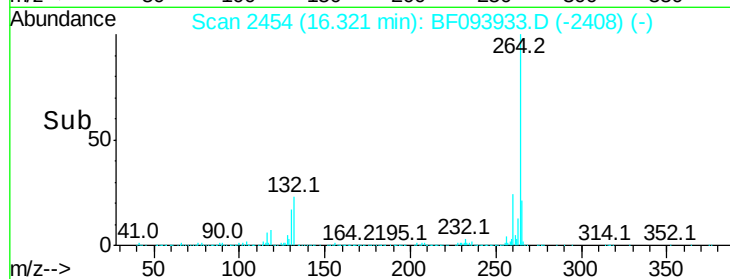
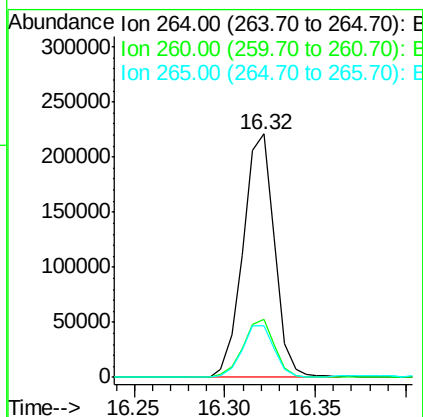
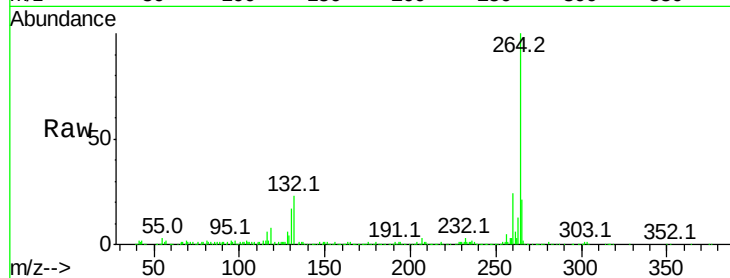


#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.32 min Scan# 2454
Delta R.T. -0.03 min
Lab File: BF093933.D
Acq: 25 Mar 2017 3:31

Instrument :
BNA_F
ClientSampleId :
B-5

Tot Ion:264 Resp: 266751

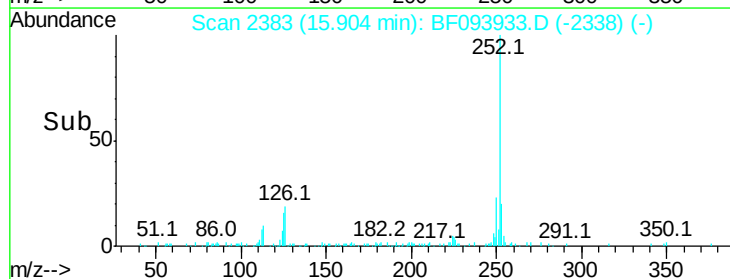
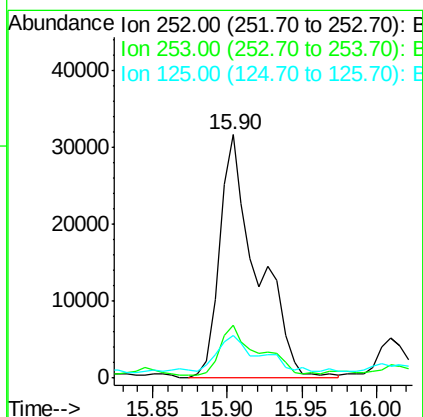
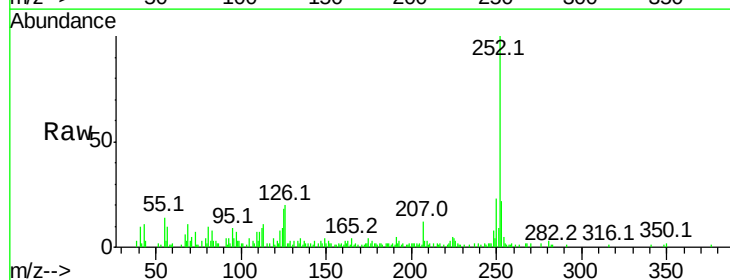
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.3	17.2	25.8

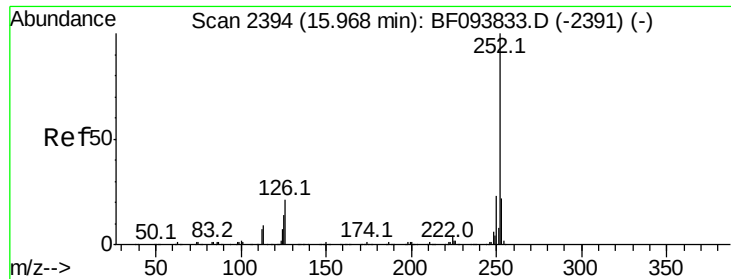


#87
Benzo(b)fluoranthene
Concen: 3.40 ng
RT: 15.90 min Scan# 2383
Delta R.T. -0.04 min
Lab File: BF093933.D
Acq: 25 Mar 2017 3:31

Tgt Ion:252 Resp: 55523

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	17.6	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 3.47 ng

RT: 15.90 min Scan# 2383

Delta R.T. -0.06 min

Lab File: BF093933.D

Acq: 25 Mar 2017 3:31

Instrument :

BNA_F

ClientSampleId :

B-5

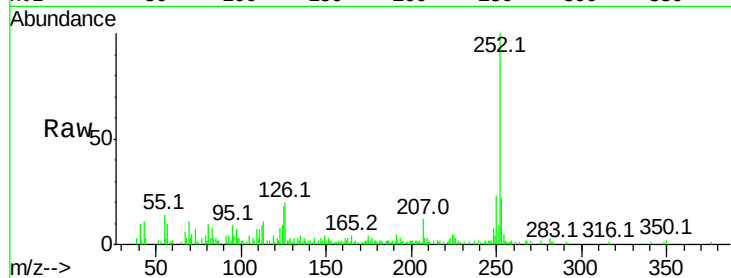
Tot Ion:252 Resp: 55523

Ion Ratio Lower Upper

252 100

253 21.9 18.4 27.6

125 17.6 13.1 19.7



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

