

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030317\
 Data File : BF093384.D
 Acq On : 4 Mar 2017 2:57
 Operator : SJ/MA
 Sample : I2078-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-7

Quant Time: Mar 04 03:49:21 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

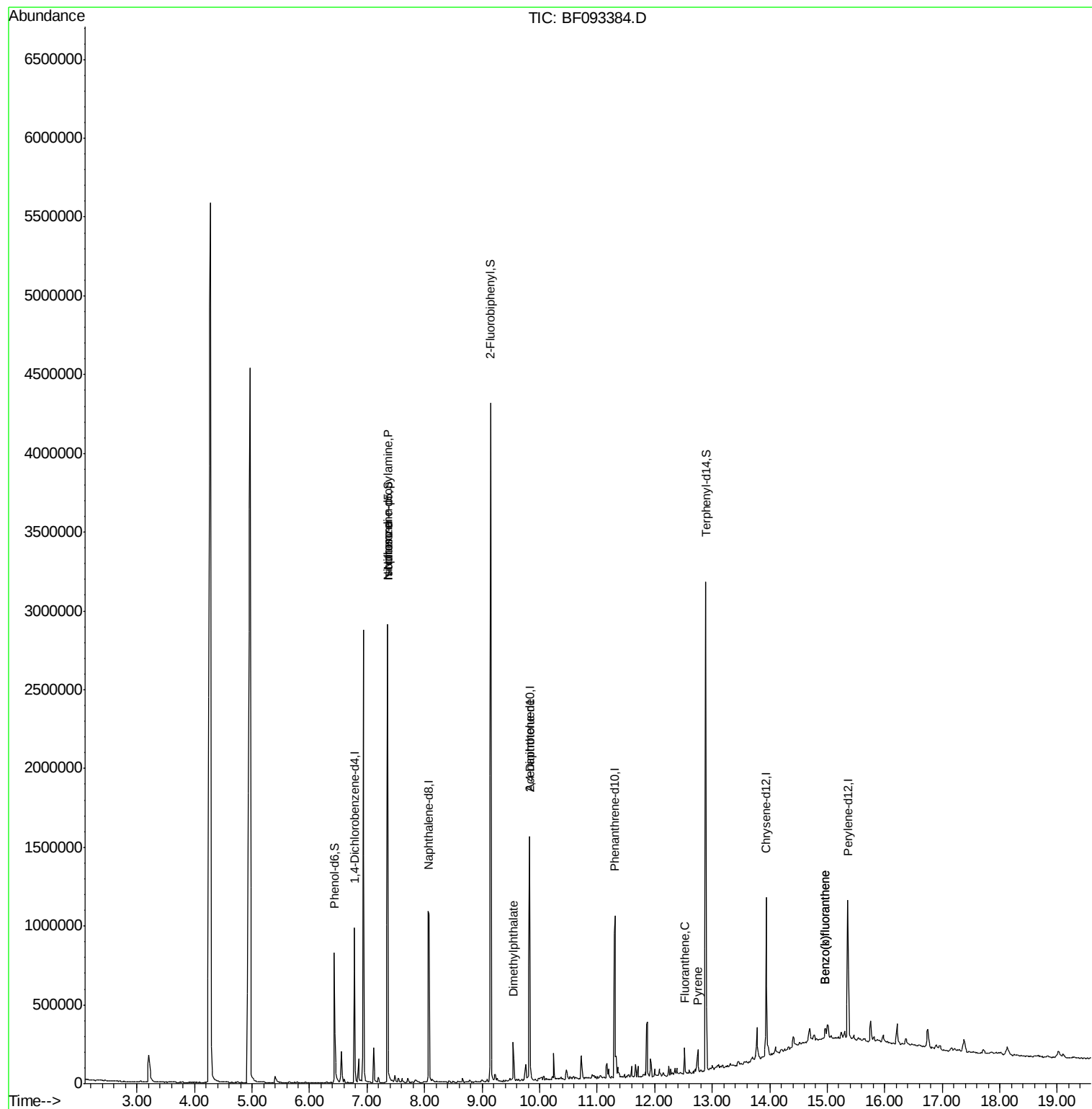
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	204010	20.00	ng	-0.07
21) Naphthalene-d8	8.08	136	763376	20.00	ng	-0.07
38) Acenaphthene-d10	9.82	164	349079	20.00	ng	-0.07
63) Phenanthrene-d10	11.31	188	554904	20.00	ng	-0.07
75) Chrysene-d12	13.94	240	381745	20.00	ng	-0.08
86) Perylene-d12	15.36	264	354218	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	23121	1.94	ng	-0.05
7) Phenol-d6	6.43	99	335000	21.90	ng	-0.06
23) Nitrobenzene-d5	7.36	82	993001	72.44	ng	-0.07
41) 2,4,6-Tribromophenol	10.62	330	682	0.27	ng	-0.06
44) 2-Fluorobiphenyl	9.15	172	1531477	79.48	ng	-0.07
78) Terphenyl-d14	12.89	244	949187	58.42	ng	-0.08
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	132812	13.64	ng	# 81
25) Isophorone	7.36	82	750671	29.39	ng	# 65
49) Dimethylphthalate	9.54	163	117809	5.01	ng	99
56) 2,4-Dinitrotoluene	9.82	165	45337	6.71	ng	# 20
74) Fluoranthene	12.52	202	76145	2.32	ng	91
77) Pyrene	12.75	202	73250	2.56	ng	97
87) Benzo(b)fluoranthene	14.97	252	47907	2.05	ng	# 85
88) Benzo(k)fluoranthene	14.97	252	48853	2.43	ng	# 84

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.07 min

Lab File: BF093384.D

Acq: 4 Mar 2017 2:57

Instrument :

BNA_F

ClientSampled :

C-7

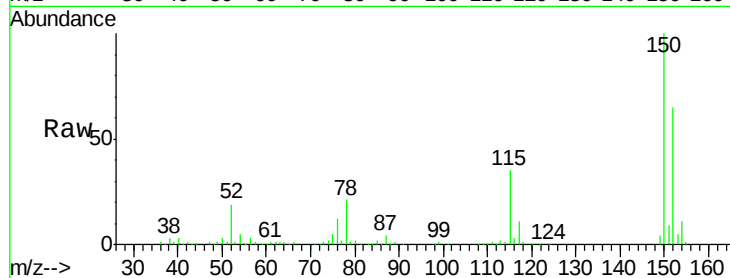
Tgt Ion:152 Resp: 204010

Ion Ratio Lower Upper

152 100

150 153.4 124.9 187.3

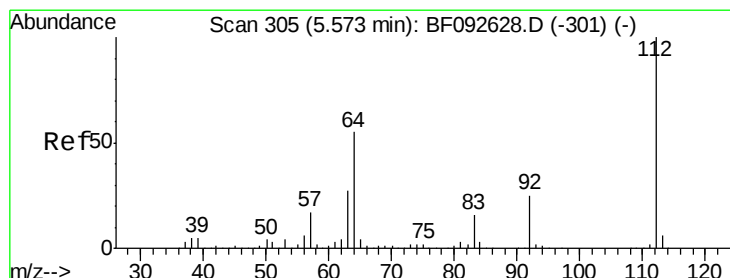
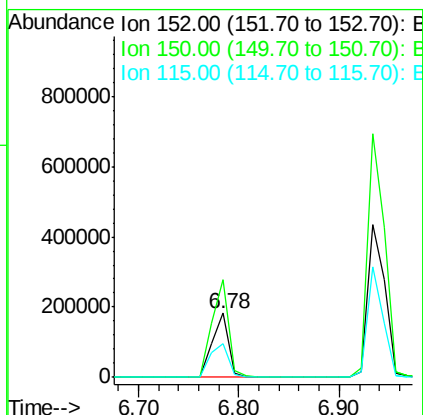
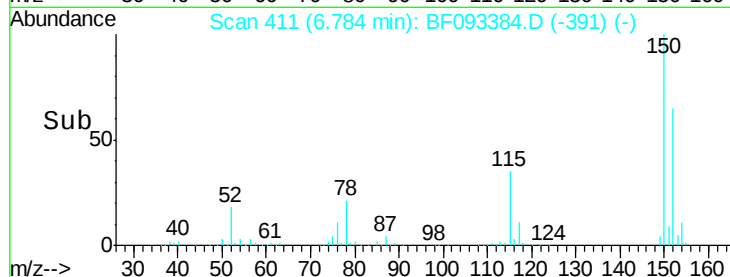
115 53.6 46.0 69.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 1.94 ng

RT: 5.40 min Scan# 290

Delta R.T. -0.05 min

Lab File: BF093384.D

Acq: 4 Mar 2017 2:57

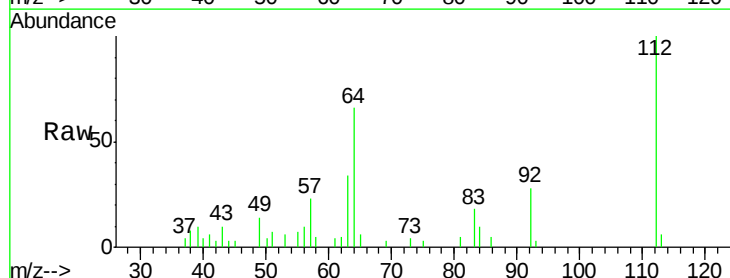
Tgt Ion:112 Resp: 23121

Ion Ratio Lower Upper

112 100

64 66.1 46.1 69.1

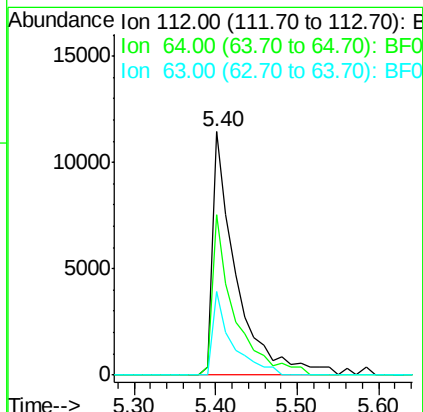
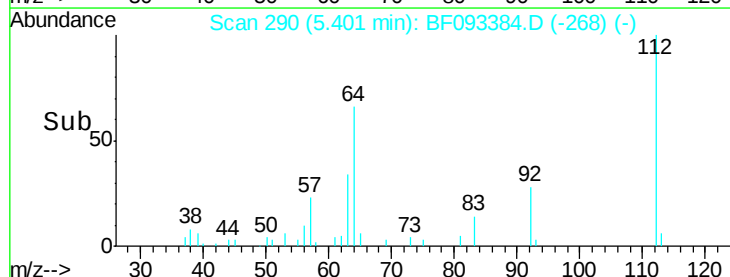
63 34.1 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.90 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.06 min

Lab File: BF093384.D

Acq: 4 Mar 2017 2:57

Instrument :

BNA_F

ClientSampleId :

C-7

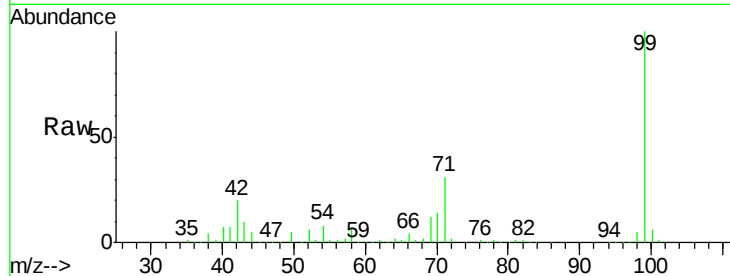
Tgt Ion: 99 Resp: 335000

Ion Ratio Lower Upper

99 100

42 20.0 15.6 23.4

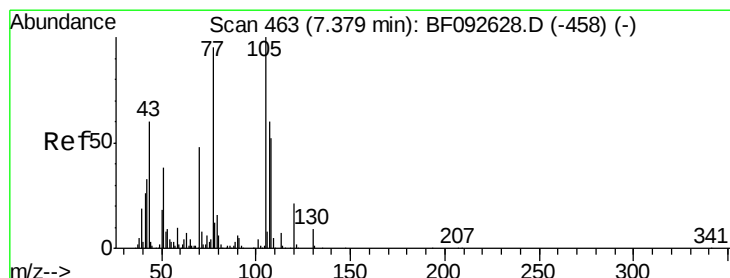
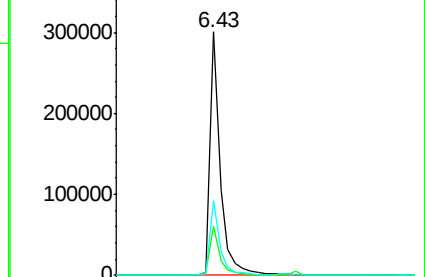
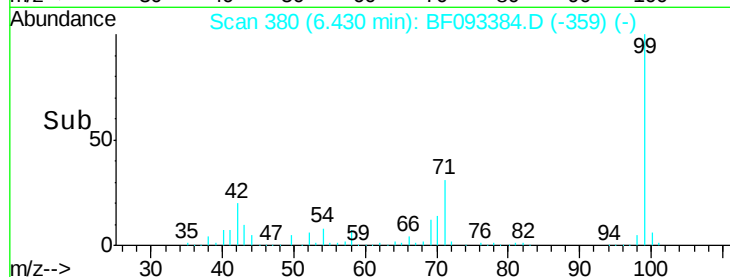
71 30.8 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 13.64 ng

RT: 7.36 min Scan# 461

Delta R.T. 0.08 min

Lab File: BF093384.D

Acq: 4 Mar 2017 2:57

Tgt Ion: 70 Resp: 132812

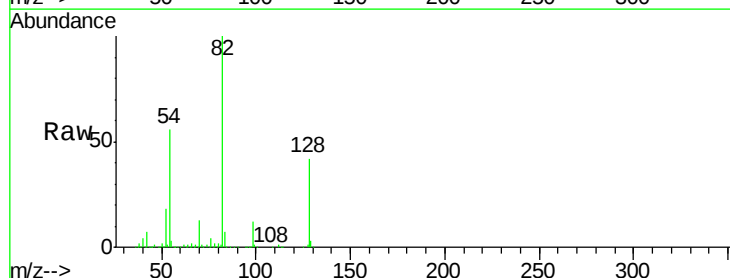
Ion Ratio Lower Upper

70 100

42 51.1 49.4 74.0

101 0.0 7.4 11.2#

130 1.9 14.2 21.4#

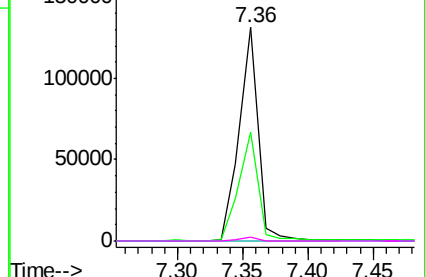
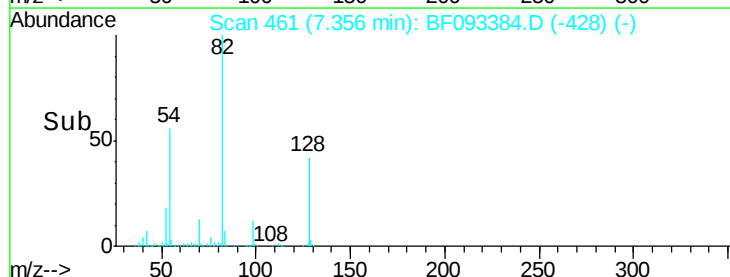


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

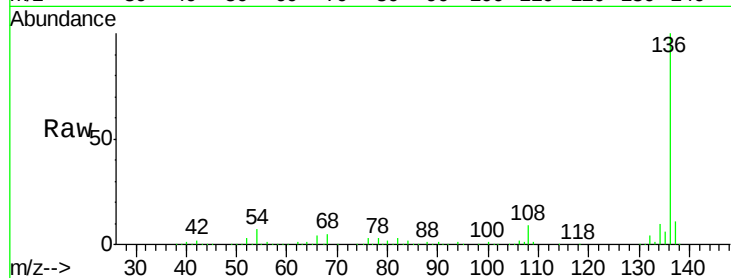




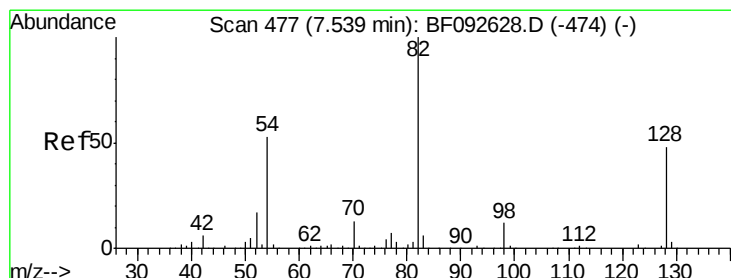
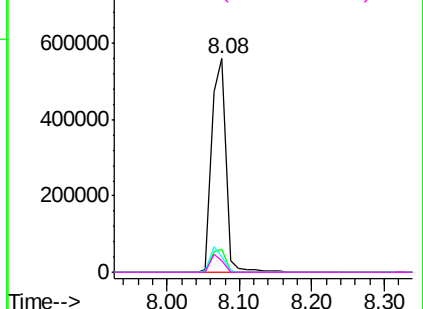
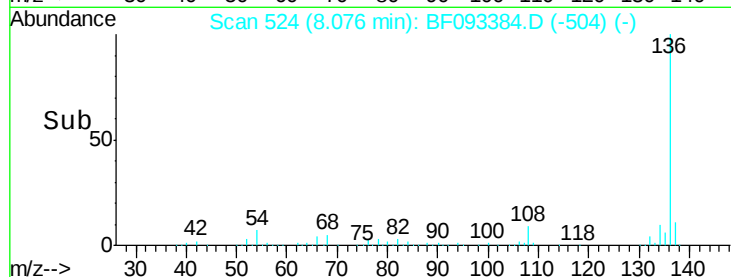
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.07 min
Lab File: BF093384.D
Acq: 4 Mar 2017 2:57

Instrument :
BNA_F
ClientSampleId :
C-7

Tgt Ion:	136	Resp:	763376
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.3	4.5	6.7#
68	5.2	3.6	5.4

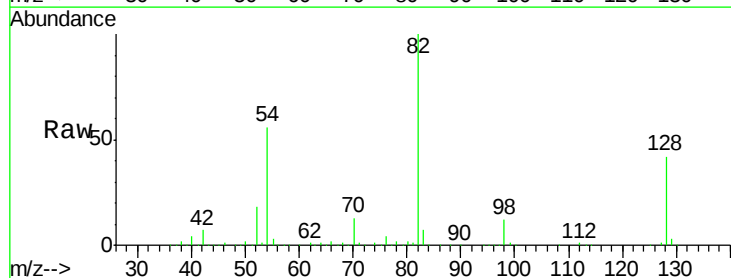


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

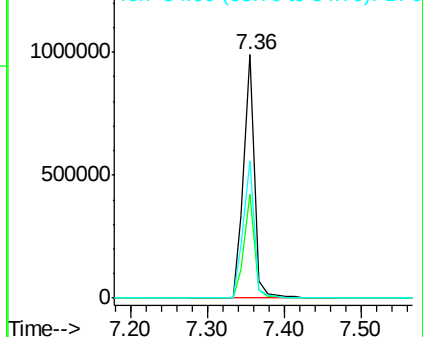
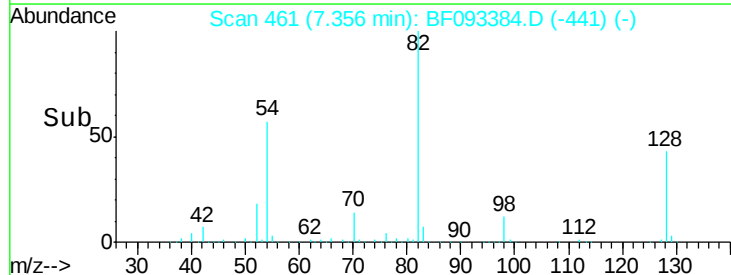


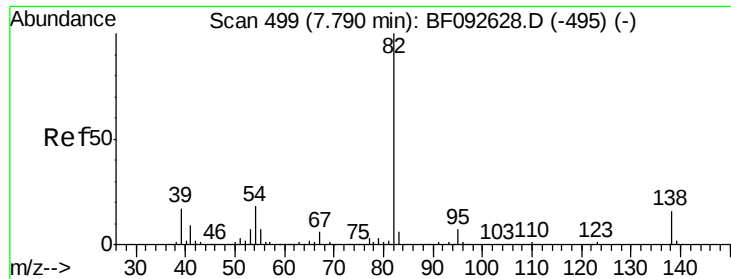
#23
Nitrobenzene-d5
Concen: 72.44 ng
RT: 7.36 min Scan# 461
Delta R.T. -0.07 min
Lab File: BF093384.D
Acq: 4 Mar 2017 2:57

Tgt Ion:	82	Resp:	993001
Ion	Ratio	Lower	Upper
82	100		
128	42.5	34.6	52.0
54	56.3	39.5	59.3



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





#25

Isophorone

Concen: 29.39 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.33 min

Lab File: BF093384.D

Acq: 4 Mar 2017 2:57

Instrument :

BNA_F

ClientSampleId :

C-7

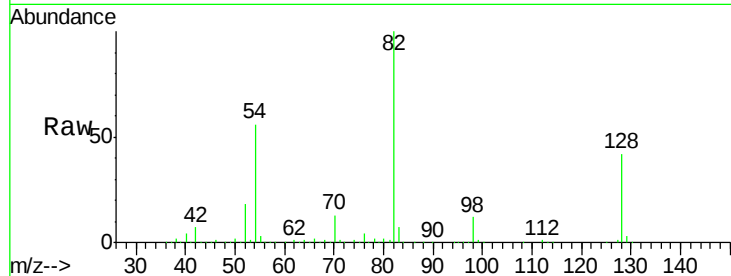
Tgt Ion: 82 Resp: 750671

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

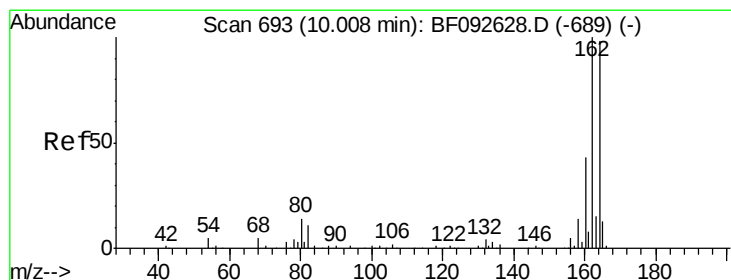
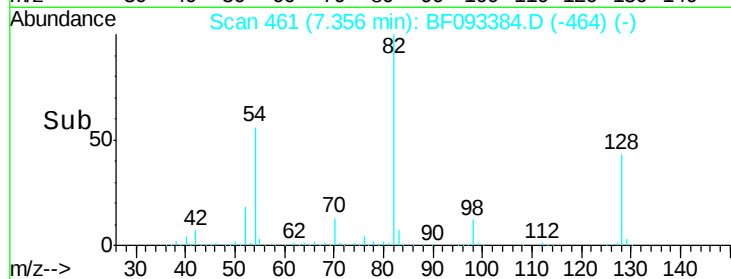
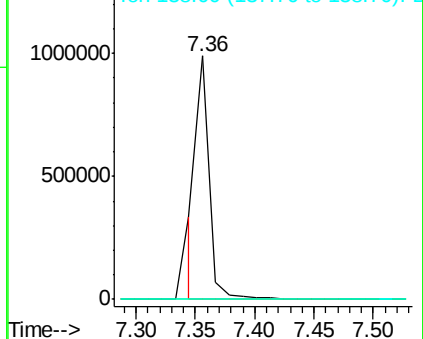
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.07 min

Lab File: BF093384.D

Acq: 4 Mar 2017 2:57

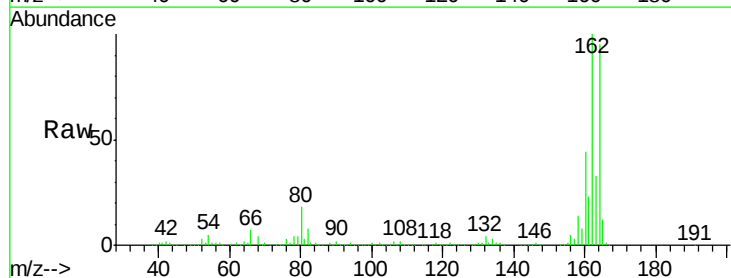
Tgt Ion: 164 Resp: 349079

Ion Ratio Lower Upper

164 100

162 105.0 80.2 120.2

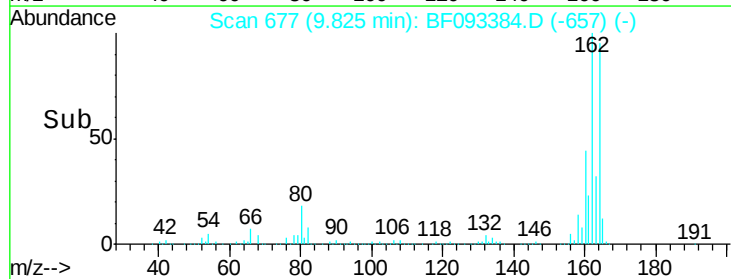
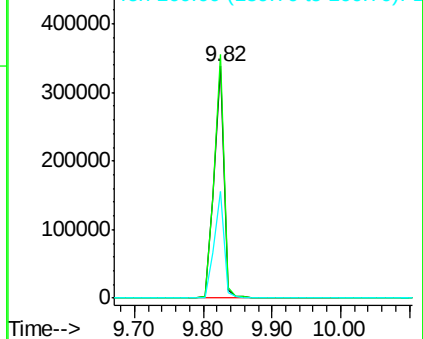
160 46.1 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

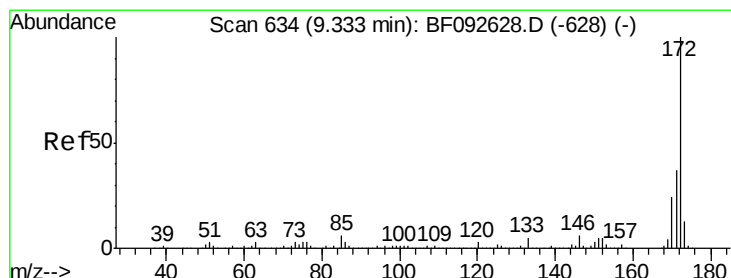
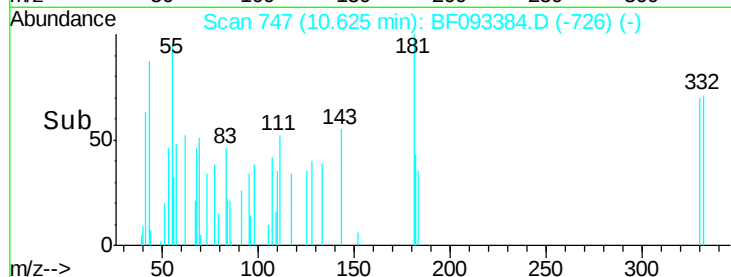
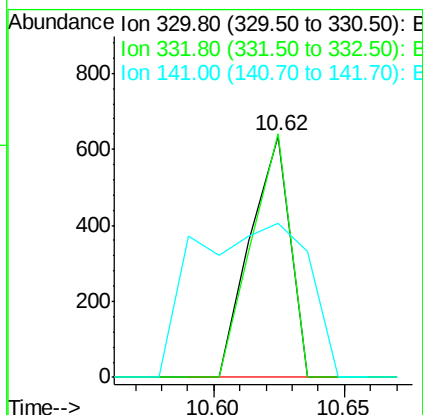
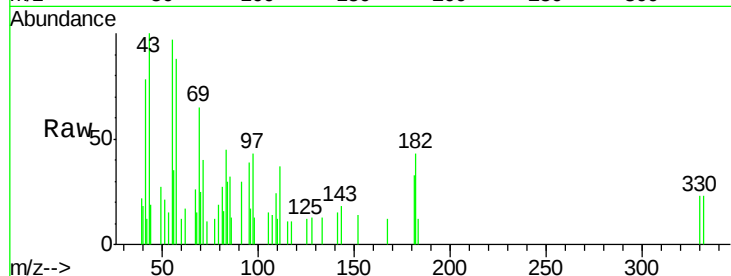




#41
 2,4,6-Tribromophenol
 Concen: 0.27 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.06 min
 Lab File: BF093384.D
 Acq: 4 Mar 2017 2:57

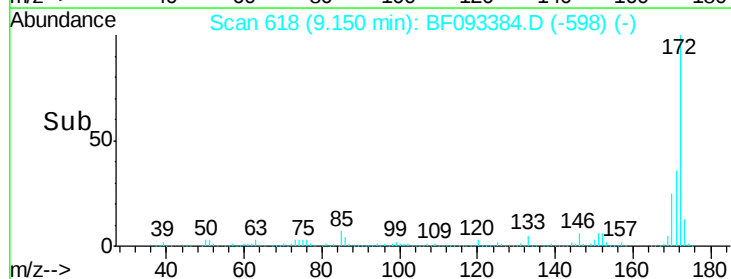
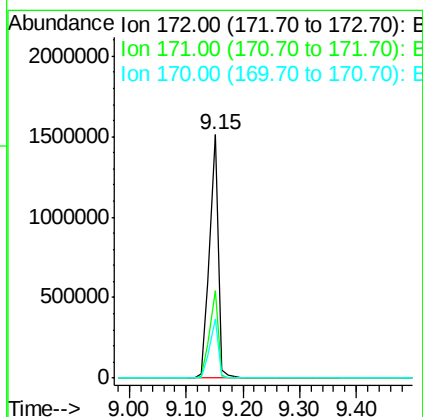
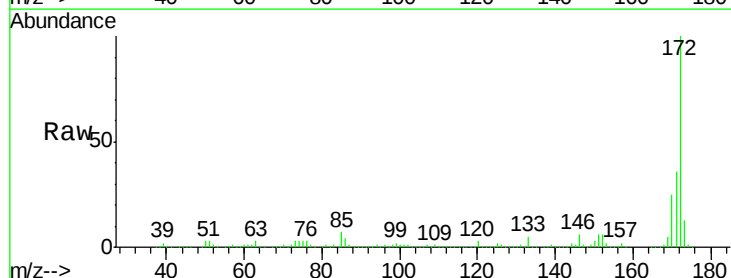
Instrument :
 BNA_F
 ClientSampled :
 C-7

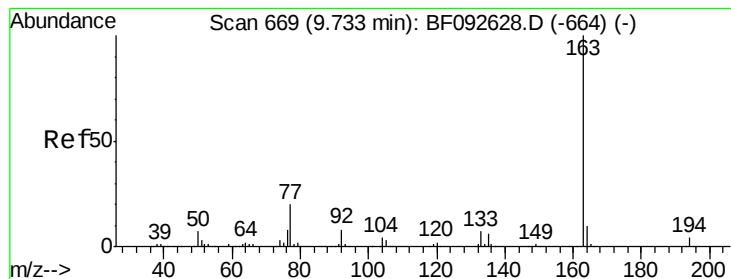
Tgt Ion: 330 Resp: 682
 Ion Ratio Lower Upper
 330 100
 332 97.7 77.4 116.2
 141 181.2 34.1 51.1#



#44
 2-Fluorobiphenyl
 Concen: 79.48 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.07 min
 Lab File: BF093384.D
 Acq: 4 Mar 2017 2:57

Tgt Ion: 172 Resp: 1531477
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.4 44.0
 170 24.5 20.2 30.4





#49

Dimethylphthalate

Concen: 5.01 ng

RT: 9.54 min Scan# 652

Delta R.T. -0.08 min

Lab File: BF093384.D

Acq: 4 Mar 2017 2:57

Instrument :

BNA_F

ClientSampleId :

C-7

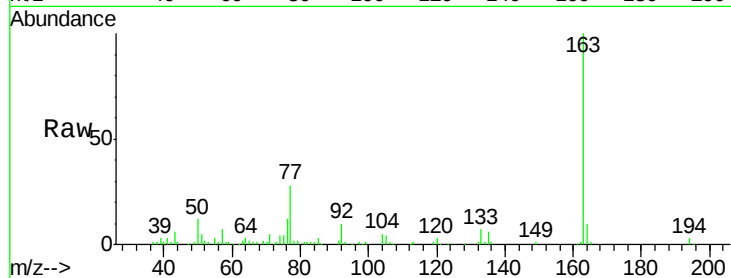
Tgt Ion:163 Resp: 117809

Ion Ratio Lower Upper

163 100

194 3.1 3.0 4.4

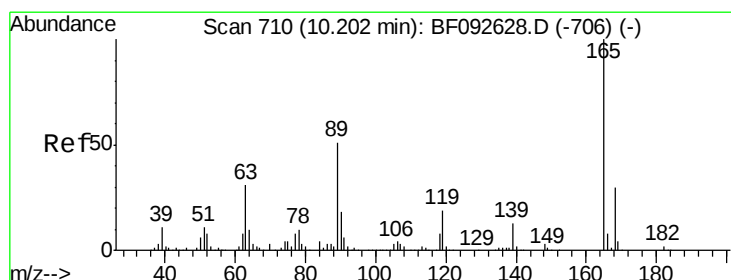
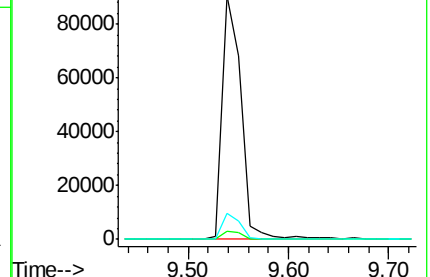
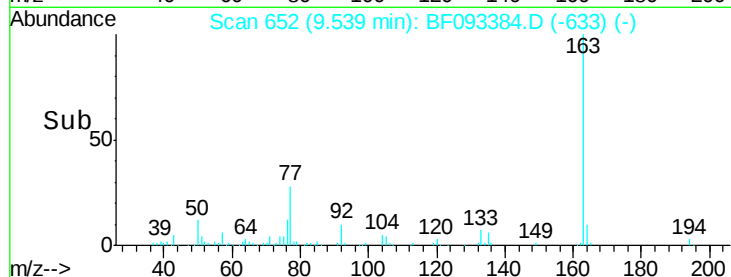
164 10.5 8.0 12.0



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: 6.71 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.26 min

Lab File: BF093384.D

Acq: 4 Mar 2017 2:57

Tgt Ion:165 Resp: 45337

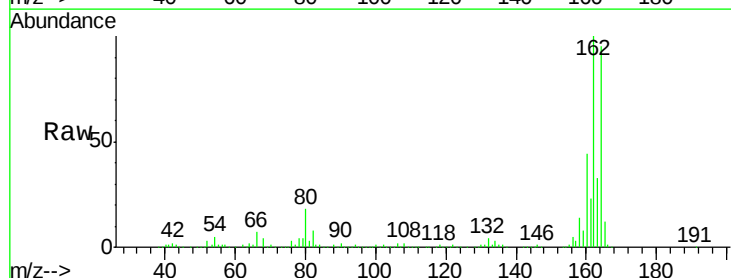
Ion Ratio Lower Upper

165 100

63 1.3 40.2 60.4#

89 1.5 62.5 93.7#

182 0.0 1.8 2.8#

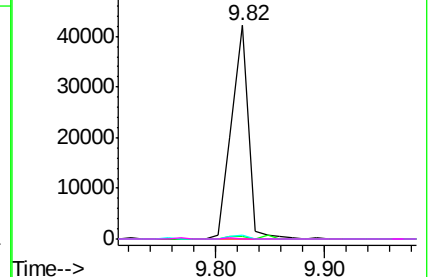
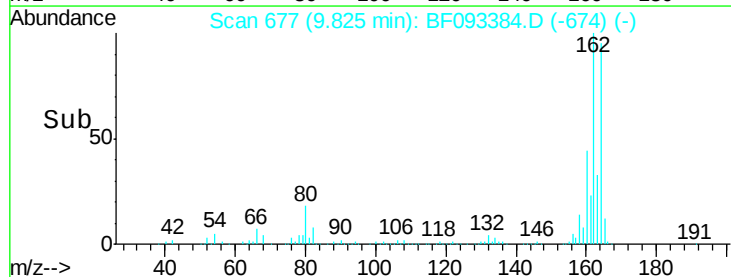


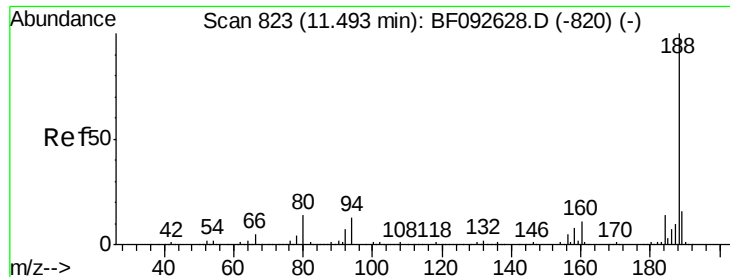
Abundance Ion 165.00 (164.70 to 165.70): E

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

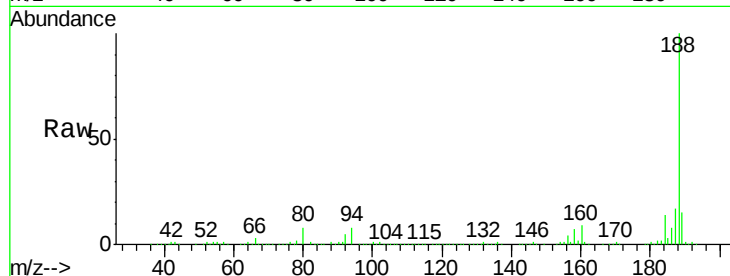




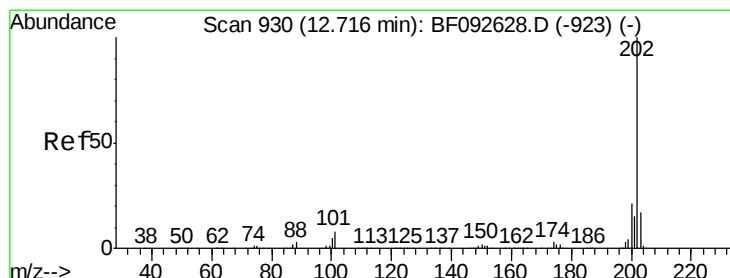
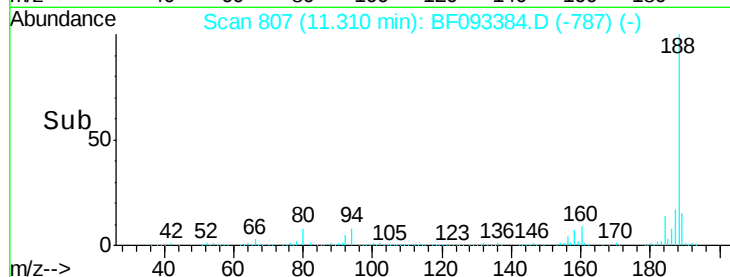
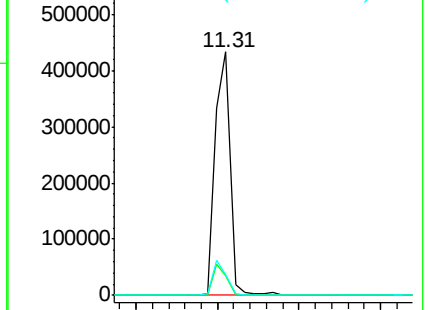
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.07 min
Lab File: BF093384.D
Acq: 4 Mar 2017 2:57

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:188 Resp: 554904
Ion Ratio Lower Upper
188 100
94 8.2 10.0 15.0#
80 8.4 11.2 16.8#

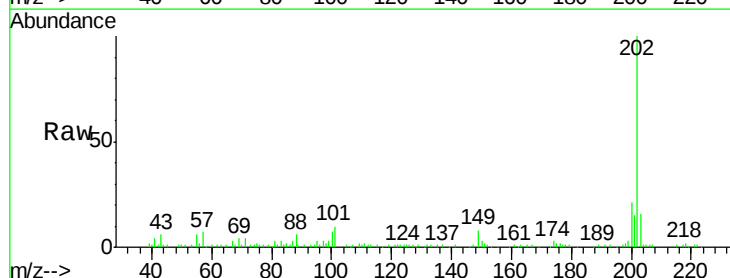


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

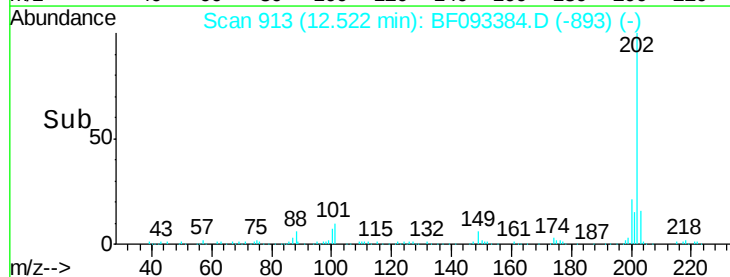
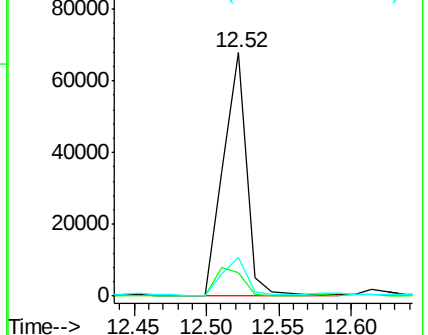


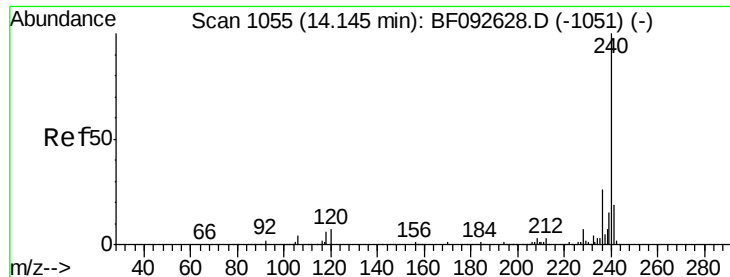
#74
Fluoranthene
Concen: 2.32 ng
RT: 12.52 min Scan# 913
Delta R.T. -0.07 min
Lab File: BF093384.D
Acq: 4 Mar 2017 2:57

Tgt Ion:202 Resp: 76145
Ion Ratio Lower Upper
202 100
101 9.6 0.0 34.6
203 16.1 0.0 38.7



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: 13.94 min Scan# 1037

Delta R.T. -0.08 min

Lab File: BF093384.D

Acq: 4 Mar 2017 2:57

Instrument :

BNA_F

ClientSampleId :

C-7

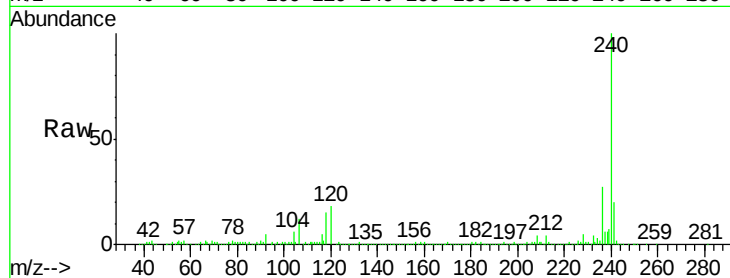
Tgt Ion:240 Resp: 381745

Ion Ratio Lower Upper

240 100

120 17.6 12.9 19.3

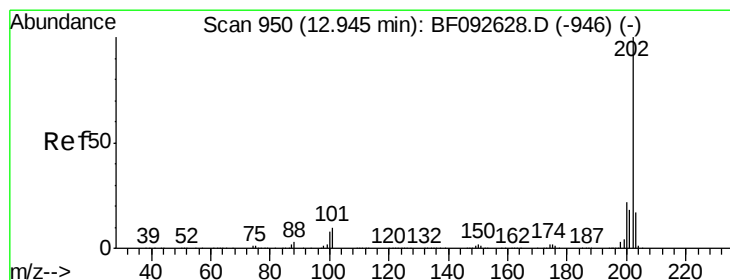
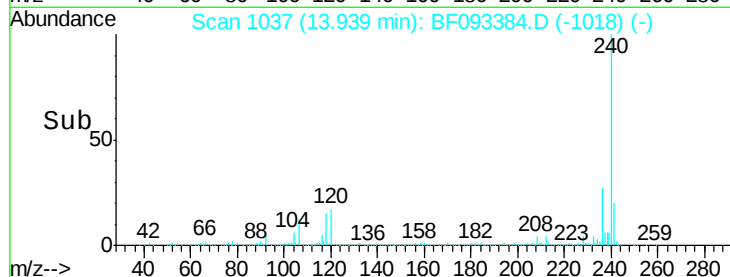
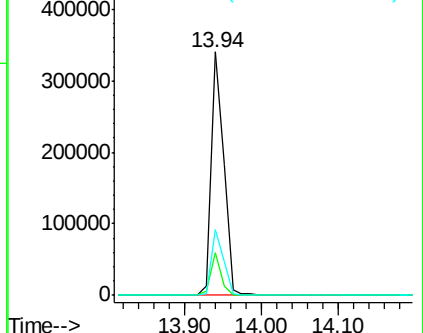
236 26.8 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.56 ng

RT: 12.75 min Scan# 933

Delta R.T. -0.07 min

Lab File: BF093384.D

Acq: 4 Mar 2017 2:57

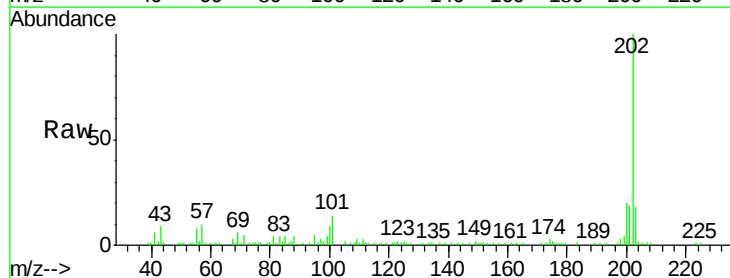
Tgt Ion:202 Resp: 73250

Ion Ratio Lower Upper

202 100

200 20.5 17.7 26.5

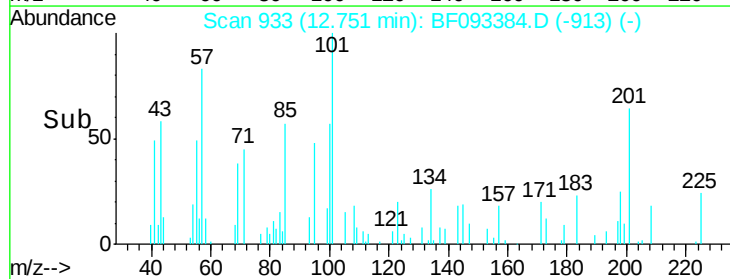
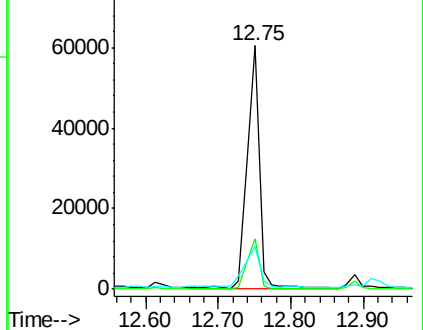
203 17.7 14.7 22.1

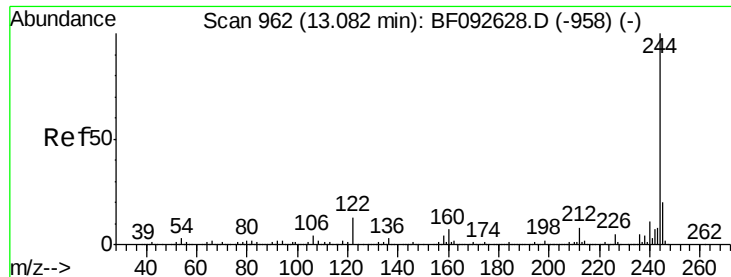


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

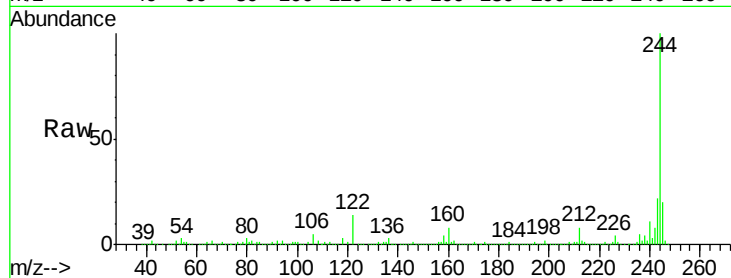




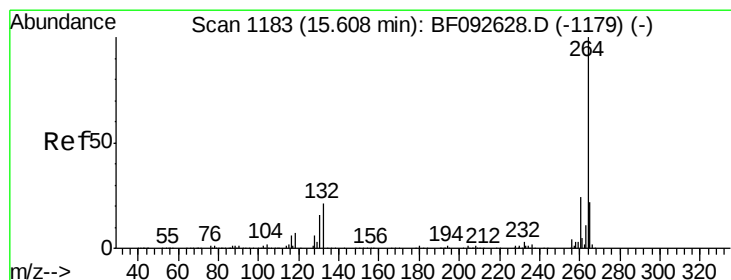
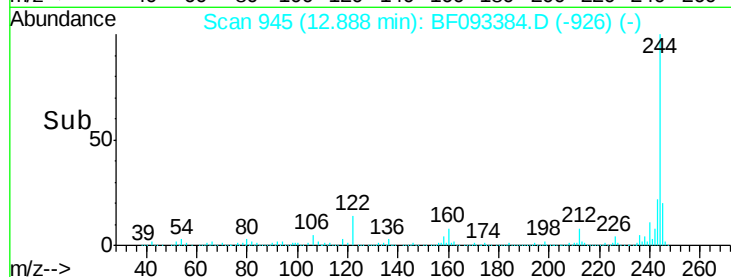
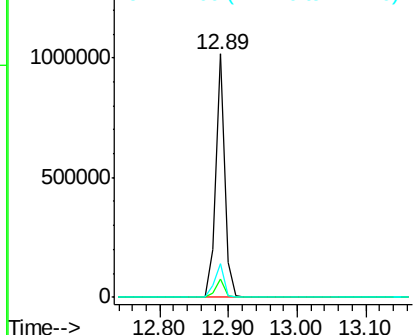
#78
 Terphenyl-d14
 Concen: 58.42 ng
 RT: 12.89 min Scan# 945
 Delta R.T. -0.08 min
 Lab File: BF093384.D
 Acq: 4 Mar 2017 2:57

Instrument :
 BNA_F
 ClientSampleId :
 C-7

Tgt Ion:244 Resp: 949187
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 13.9 11.4 17.2

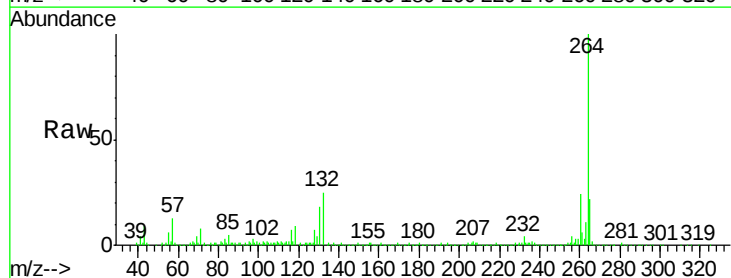


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

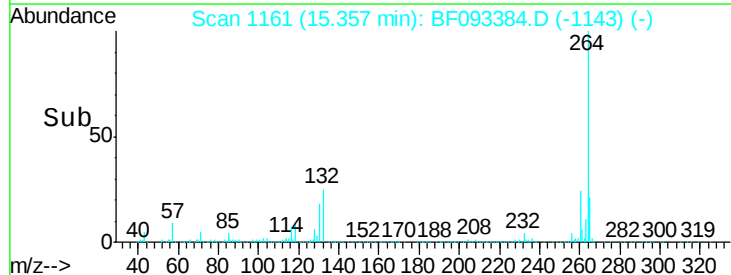
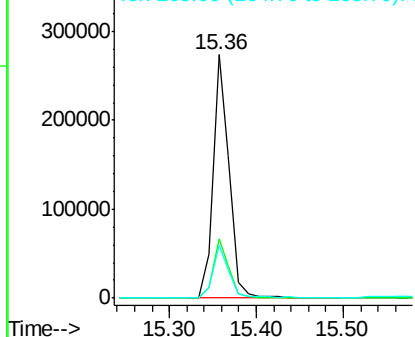


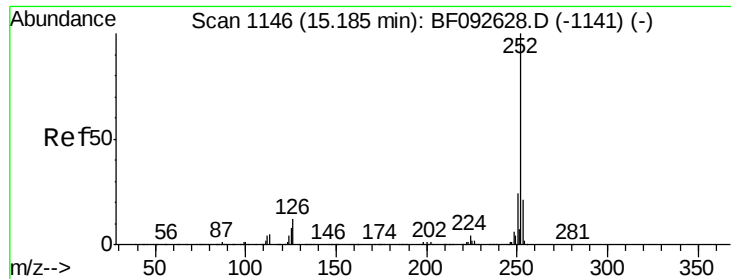
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1161
 Delta R.T. -0.09 min
 Lab File: BF093384.D
 Acq: 4 Mar 2017 2:57

Tgt Ion:264 Resp: 354218
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 21.5 17.4 26.0



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

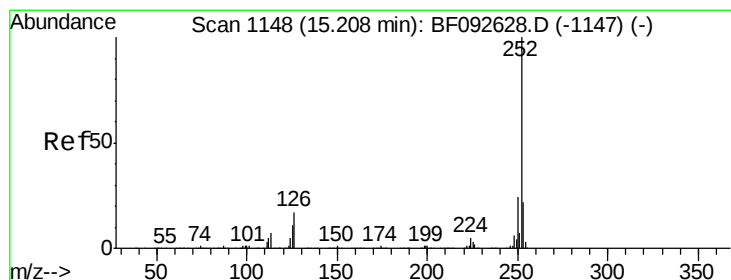
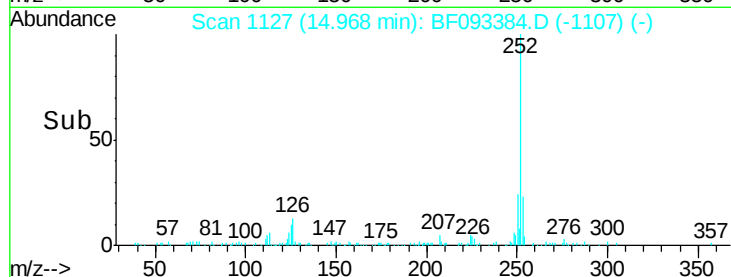
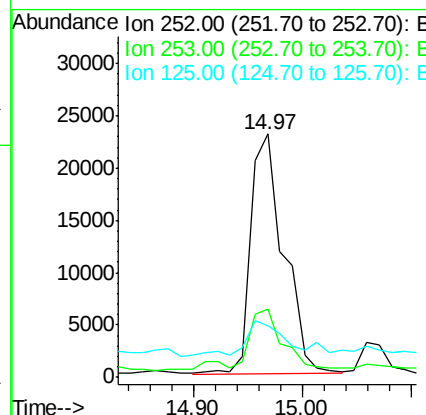
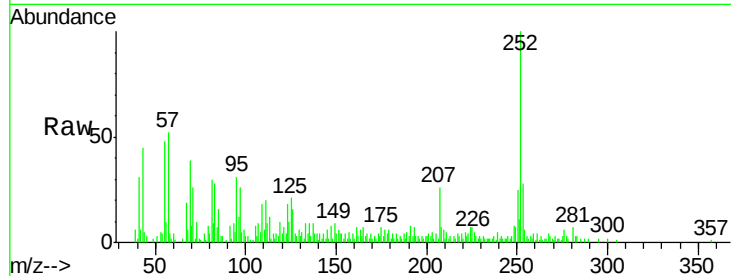




#87
Benzo(b)fluoranthene
Concen: 2.05 ng
RT: 14.97 min Scan# 1127
Delta R.T. -0.07 min
Lab File: BF093384.D
Acq: 4 Mar 2017 2:57

Instrument :
BNA_F
ClientSampleId :
C-7

Tgt Ion:252 Resp: 47907
Ion Ratio Lower Upper
252 100
253 28.2 18.2 27.4#
125 21.2 9.8 14.6#



#88
Benzo(k)fluoranthene
Concen: 2.43 ng
RT: 14.97 min Scan# 1127
Delta R.T. -0.10 min
Lab File: BF093384.D
Acq: 4 Mar 2017 2:57

Tgt Ion:252 Resp: 48853
Ion Ratio Lower Upper
252 100
253 28.2 18.5 27.7#
125 21.2 8.9 13.3#

