

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
 Data File : BF094366.D
 Acq On : 11 Apr 2017 22:36
 Operator : SJ/MA
 Sample : I2624-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

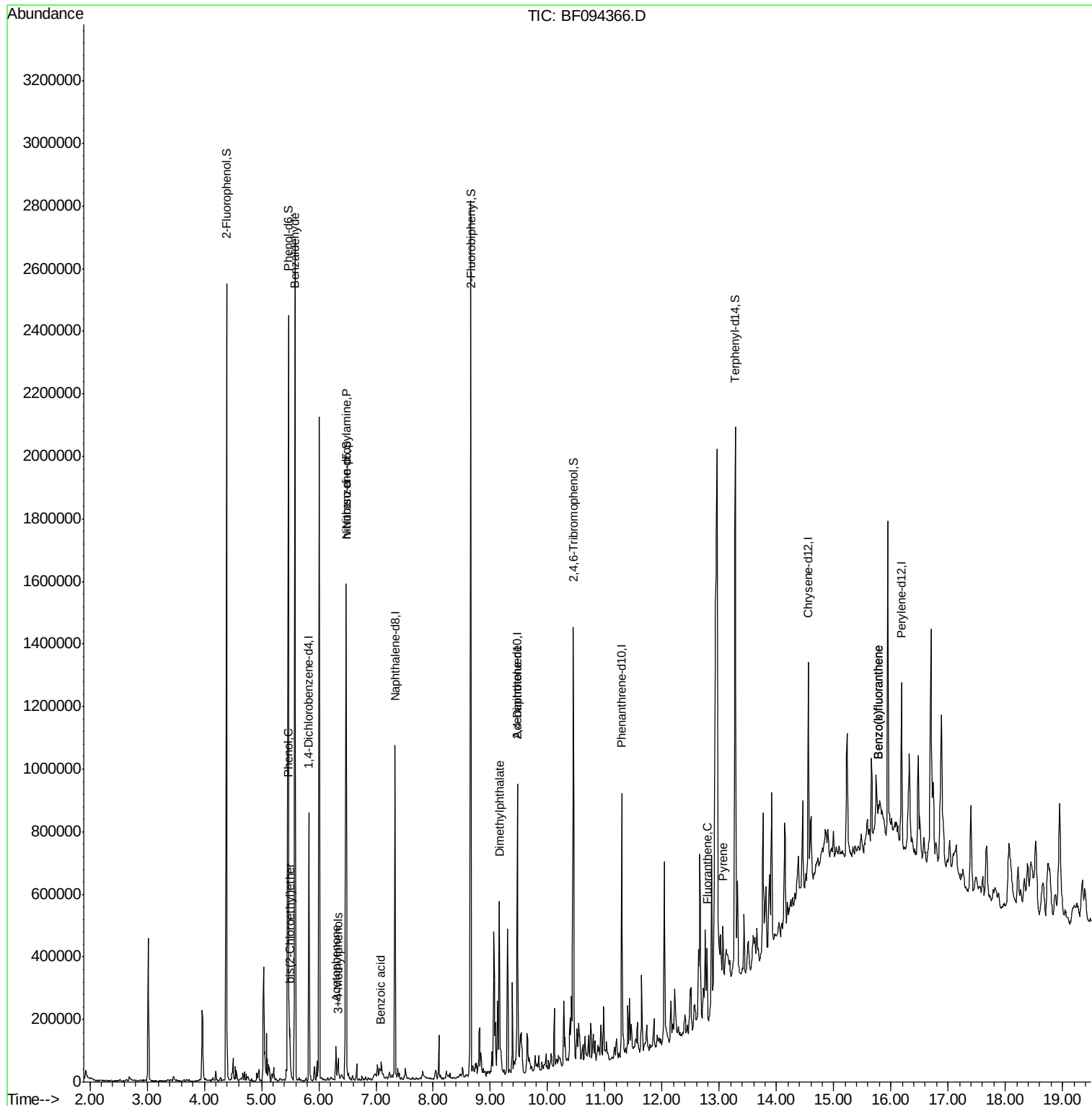
Quant Time: Apr 12 00:53:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

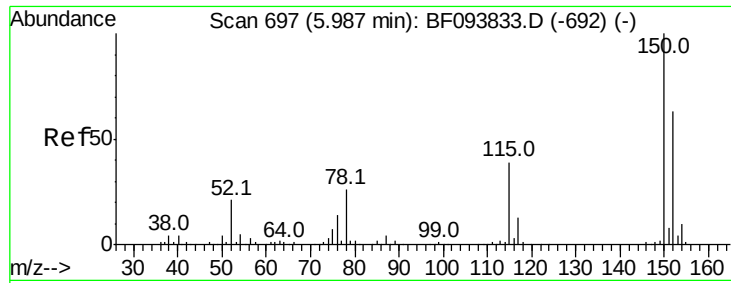
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.83	152	134820	20.00	ng	-0.03
21) Naphthalene-d8	7.33	136	510604	20.00	ng	-0.03
38) Acenaphthene-d10	9.47	164	203592	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	323951	20.00	ng	-0.02
75) Chrysene-d12	14.56	240	269841	20.00	ng	-0.02
86) Perylene-d12	16.19	264	217614	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.39	112	714788	89.55	ng	0.00
7) Phenol-d6	5.47	99	948005	96.00	ng	0.00
23) Nitrobenzene-d5	6.48	82	574617	64.22	ng	-0.03
41) 2,4,6-Tribromophenol	10.45	330	145094	90.19	ng	-0.02
44) 2-Fluorobiphenyl	8.66	172	966146	72.38	ng	-0.03
78) Terphenyl-d14	13.28	244	616308	51.19	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	5.59	77	16924	2.54	ng	87
10) Phenol	5.48	94	73740	6.56	ng	87
11) bis(2-Chloroethyl)ether	5.49	93	33929	3.86	ng	# 22
19) n-Nitroso-di-n-propylamine	6.48	70	77072	12.14	ng	# 75
20) 3+4-Methylphenols	6.34	107	21457	2.36	ng	# 59
22) Acetophenone	6.30	105	28795	2.53	ng	# 84
32) Benzoic acid	7.07	122	10577	2.19	ng	85
49) Dimethylphthalate	9.16	163	259330	17.92	ng	98
56) 2,4-Dinitrotoluene	9.47	165	25978	6.23	ng	# 34
74) Fluoranthene	12.79	202	44024	2.39	ng	98
77) Pyrene	13.06	202	39334	2.01	ng	# 96
87) Benzo(b)fluoranthene	15.78	252	30495	2.29	ng	# 47
88) Benzo(k)fluoranthene	15.78	252	30495	2.34	ng	# 53

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

```
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Sample    : I2624-01  
Misc      :  
ALS Vial  : 15      Sample Multiplier: 1
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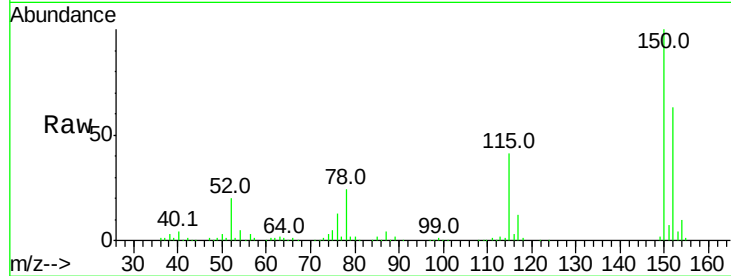


#1

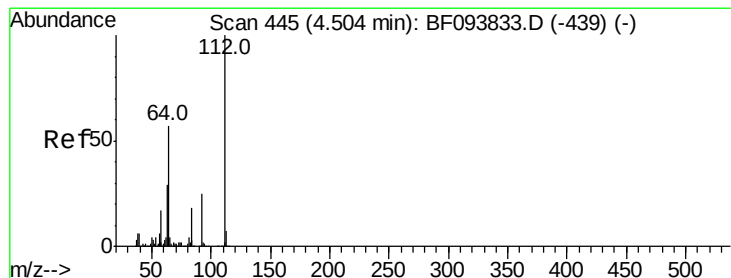
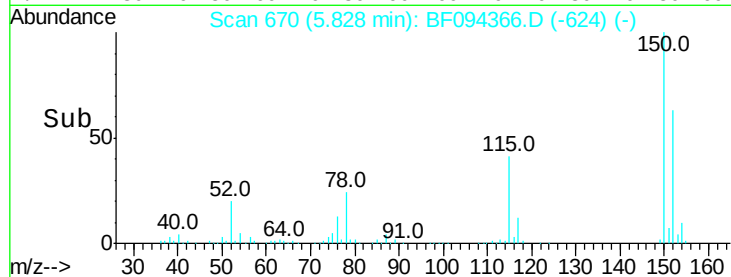
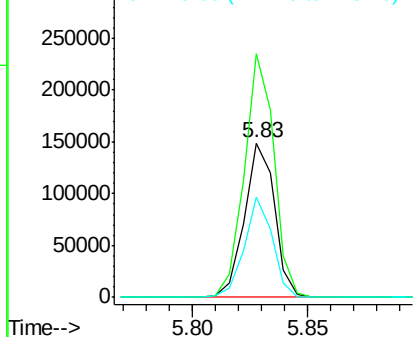
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.83 min Scan# 670
 Delta R.T. -0.03 min
 Lab File: BF094366.D
 Acq: 11 Apr 2017 22:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 134820
 Ion Ratio Lower Upper
 152 100
 150 157.8 126.2 189.2
 115 64.8 52.2 78.2



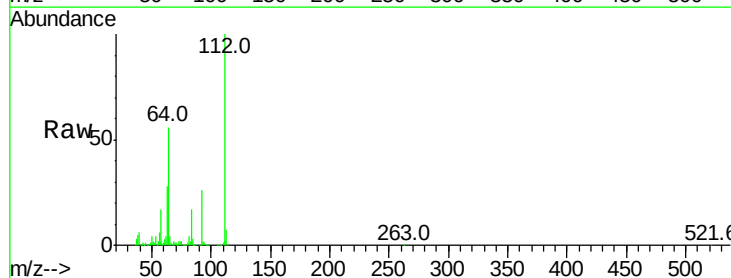
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



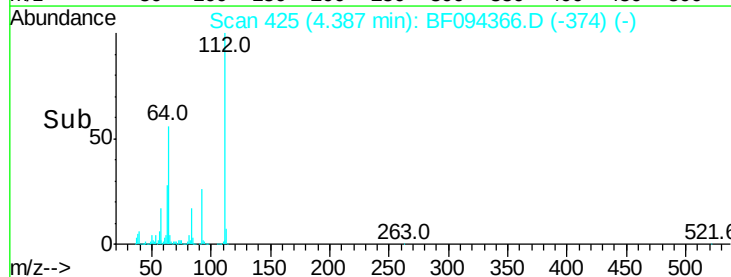
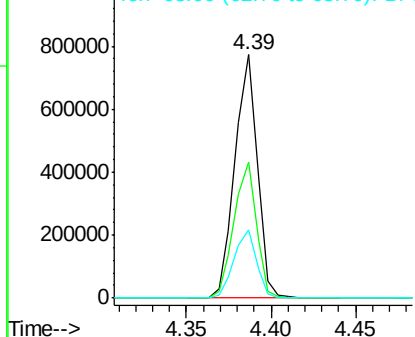
#5

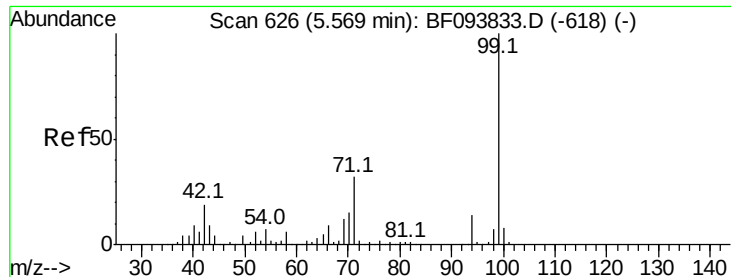
2-Fluorophenol
 Concen: 89.55 ng
 RT: 4.39 min Scan# 425
 Delta R.T. -0.00 min
 Lab File: BF094366.D
 Acq: 11 Apr 2017 22:36

Tgt Ion:112 Resp: 714788
 Ion Ratio Lower Upper
 112 100
 64 56.0 46.0 69.0
 63 28.2 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: 96.00 ng

RT: 5.47 min Scan# 609

Delta R.T. 0.01 min

Lab File: BF094366.D

Acq: 11 Apr 2017 22:36

Instrument :

BNA_F

ClientSampled :

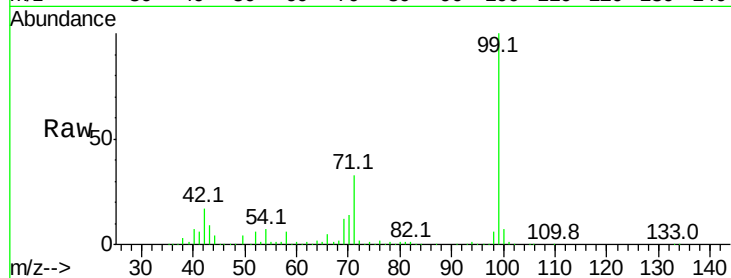
Tot Ion: 99 Resp: 948005

Ion Ratio Lower Upper

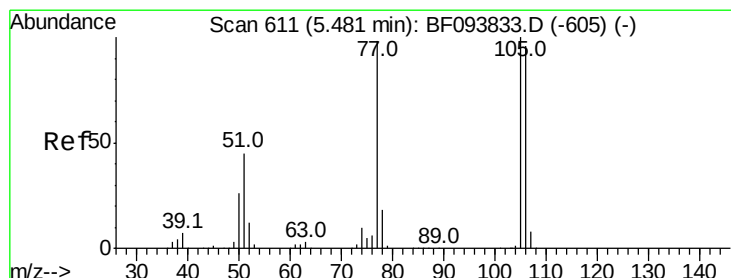
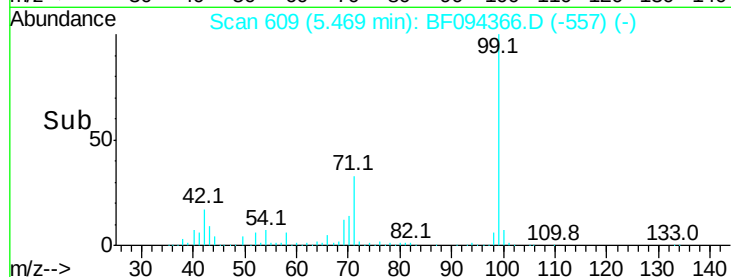
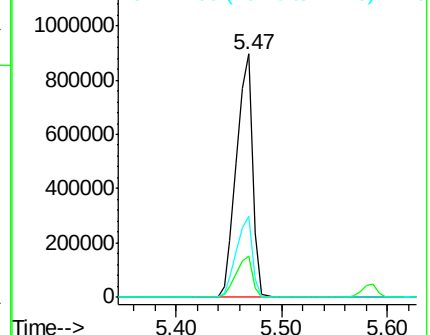
99 100

42 17.1 13.5 20.3

71 33.1 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.54 ng

RT: 5.59 min Scan# 629

Delta R.T. 0.24 min

Lab File: BF094366.D

Acq: 11 Apr 2017 22:36

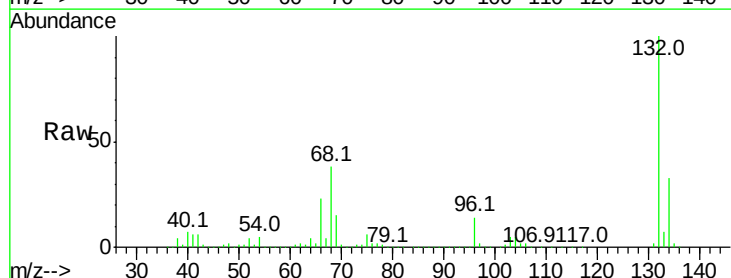
Tgt Ion: 77 Resp: 16924

Ion Ratio Lower Upper

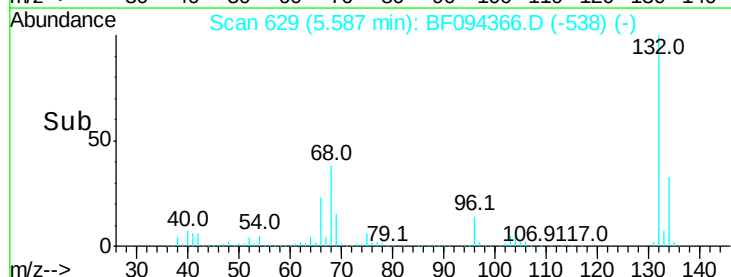
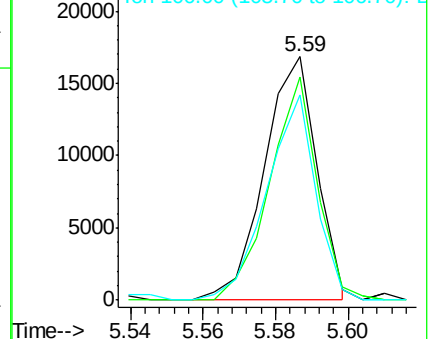
77 100

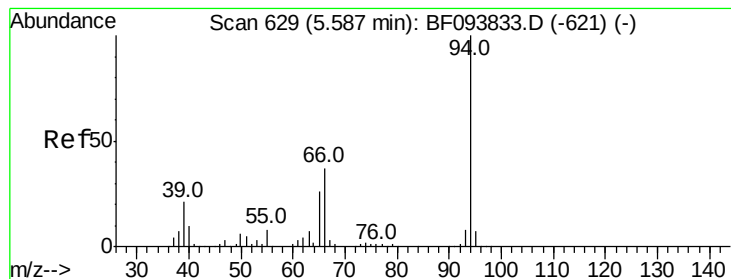
105 91.9 83.8 123.8

106 84.3 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 6.56 ng

RT: 5.48 min Scan# 611

Delta R.T. -0.00 min

Lab File: BF094366.D

Acq: 11 Apr 2017 22:36

Instrument :

BNA_F

ClientSampled :

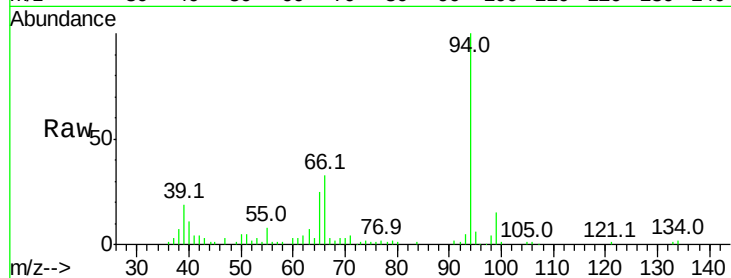
Tot Ion: 94 Resp: 73740

Ion Ratio Lower Upper

94 100

65 25.1 9.9 49.9

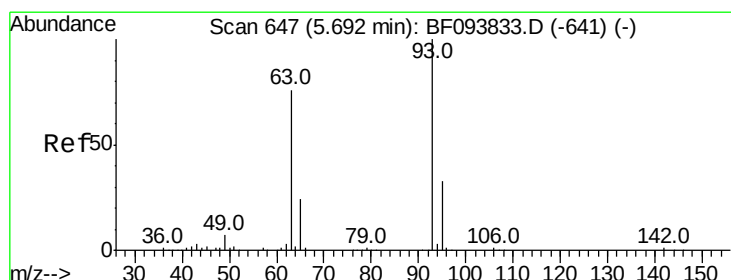
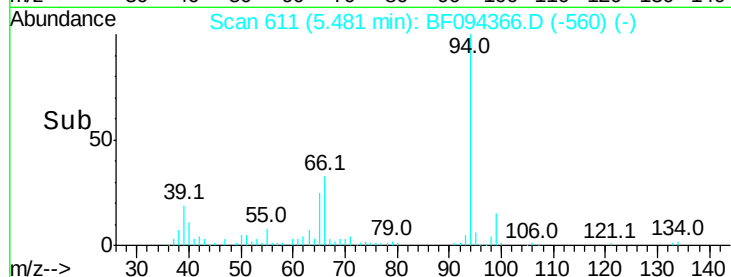
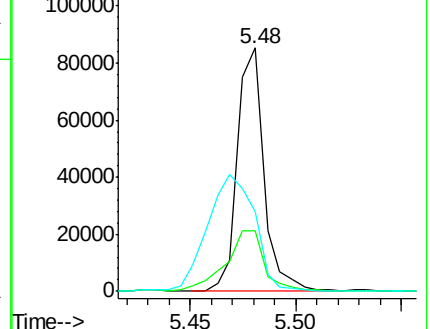
66 32.5 23.1 63.1



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



#11

bis(2-Chloroethyl)ether

Concen: 3.86 ng

RT: 5.49 min Scan# 613

Delta R.T. -0.07 min

Lab File: BF094366.D

Acq: 11 Apr 2017 22:36

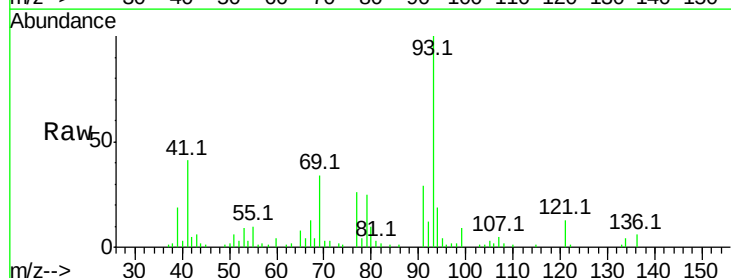
Tgt Ion: 93 Resp: 33929

Ion Ratio Lower Upper

93 100

63 1.6 59.2 99.2#

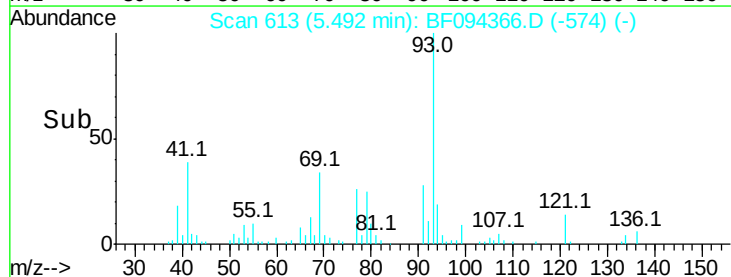
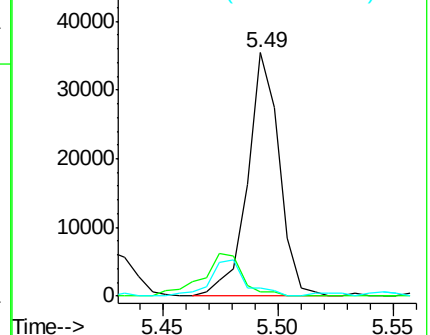
95 3.6 12.8 52.8#

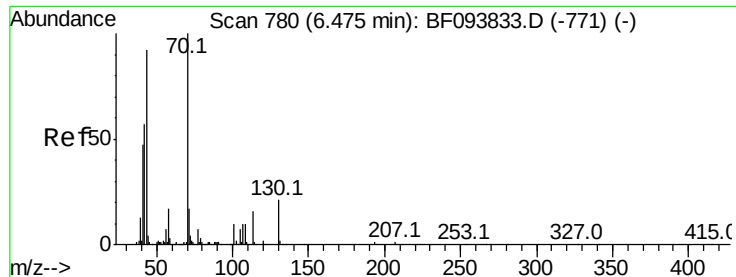


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 12.14 ng

RT: 6.48 min Scan# 781

Delta R.T. 0.14 min

Lab File: BF094366.D

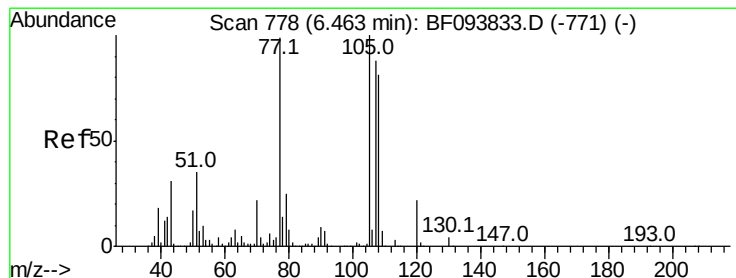
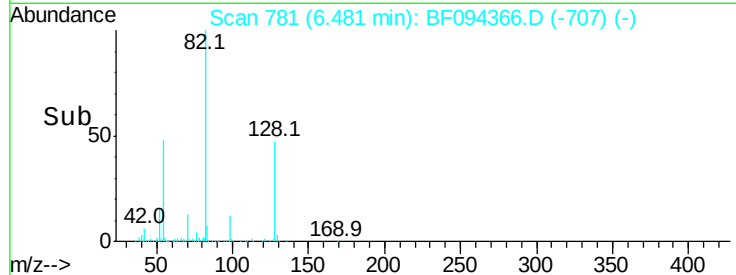
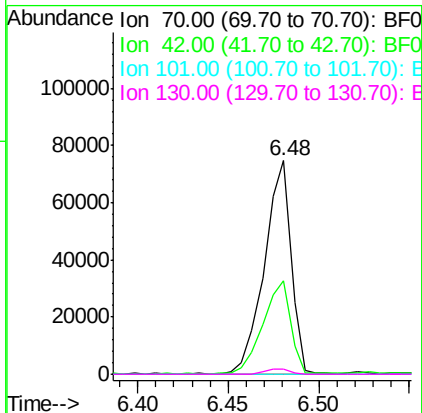
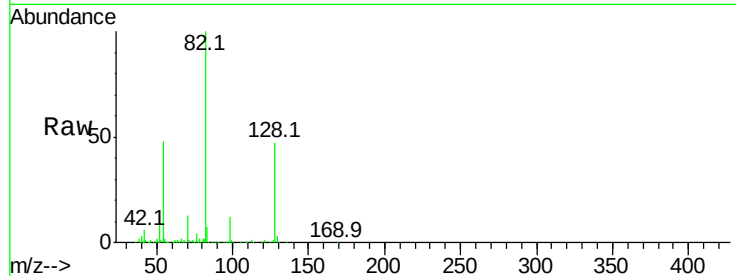
Acq: 11 Apr 2017 22:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	77072
Ion	Ratio	Lower	Upper
70	100		
42	43.6	47.2	70.8#
101	0.0	7.2	10.8#
130	2.2	15.9	23.9#



#20

3+4-Methylphenols

Concen: 2.36 ng

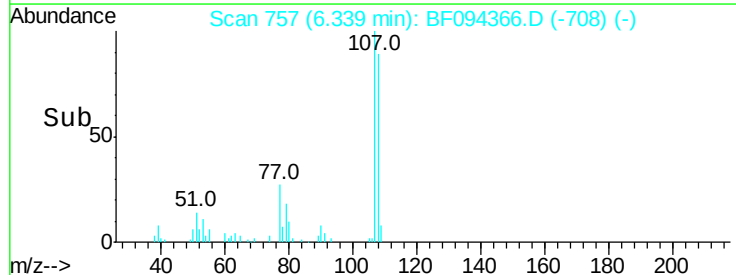
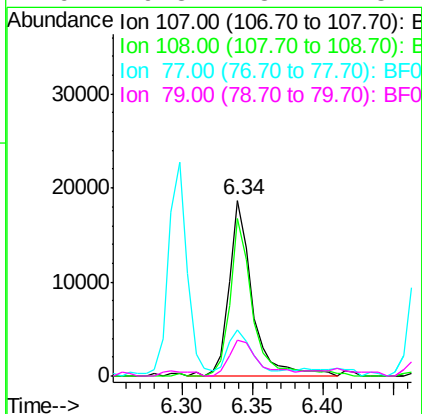
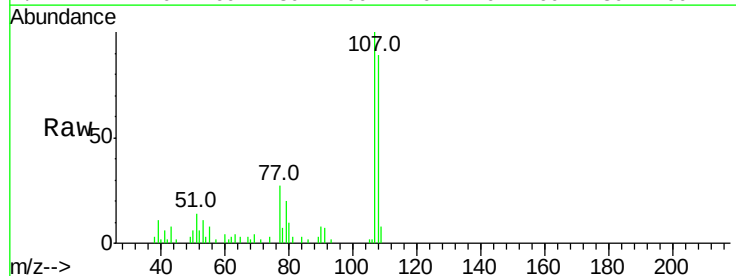
RT: 6.34 min Scan# 757

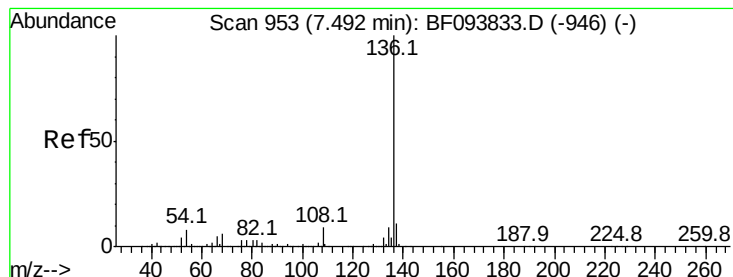
Delta R.T. -0.01 min

Lab File: BF094366.D

Acq: 11 Apr 2017 22:36

Tgt Ion:	107	Resp:	21457
Ion	Ratio	Lower	Upper
107	100		
108	89.4	71.0	111.0
77	26.6	90.5	130.5#
79	20.3	8.4	48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.33 min Scan# 926

Delta R.T. -0.03 min

Lab File: BF094366.D

Acq: 11 Apr 2017 22:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 510604

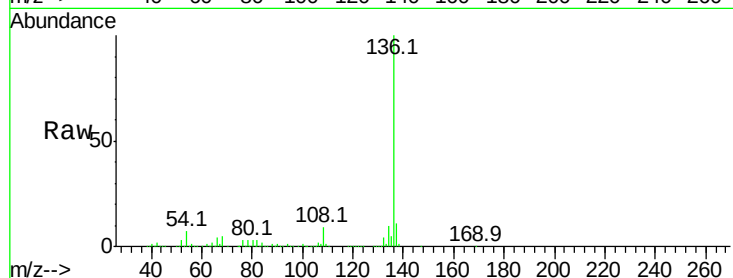
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.0 4.9 7.3

68 5.2 4.1 6.1

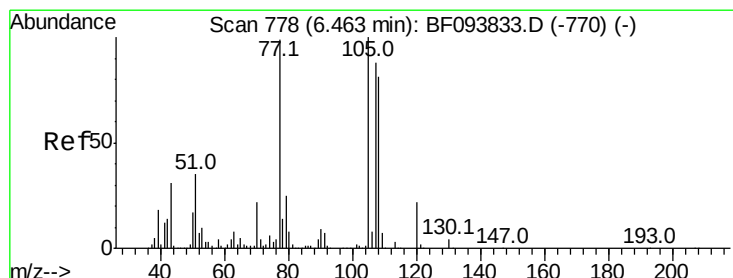
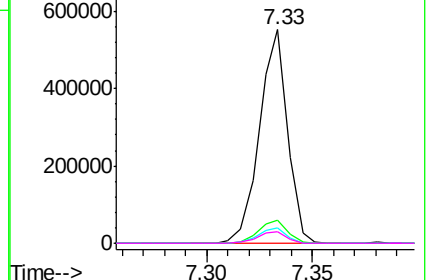
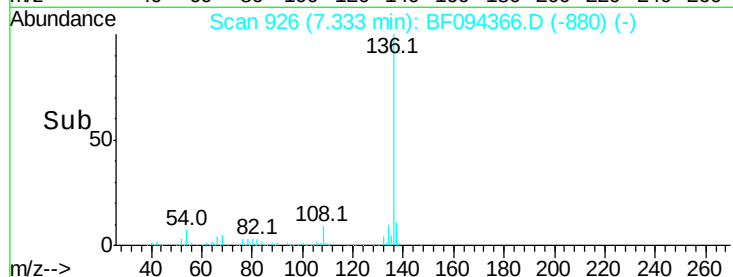


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 2.53 ng

RT: 6.30 min Scan# 750

Delta R.T. -0.04 min

Lab File: BF094366.D

Acq: 11 Apr 2017 22:36

Tgt Ion:105 Resp: 28795

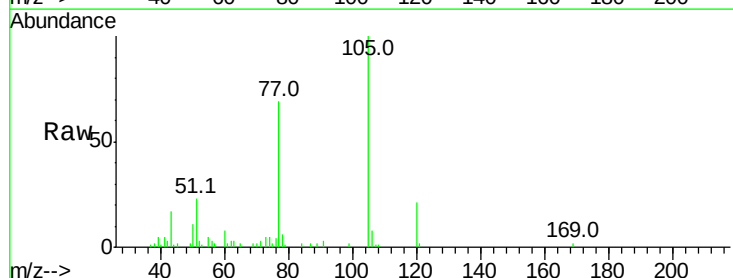
Ion Ratio Lower Upper

105 100

71 2.7 2.8 4.2#

51 23.1 30.7 46.1#

120 20.9 17.4 26.0

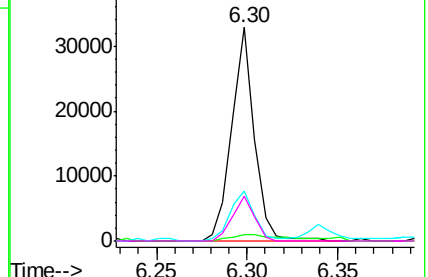
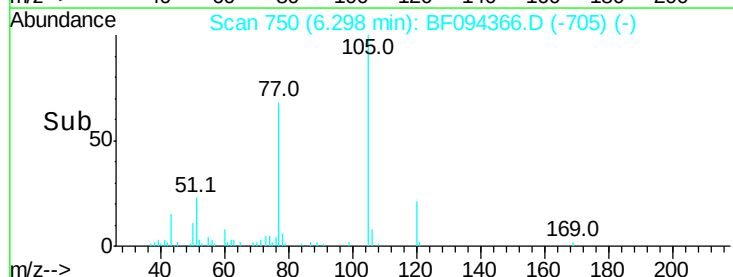


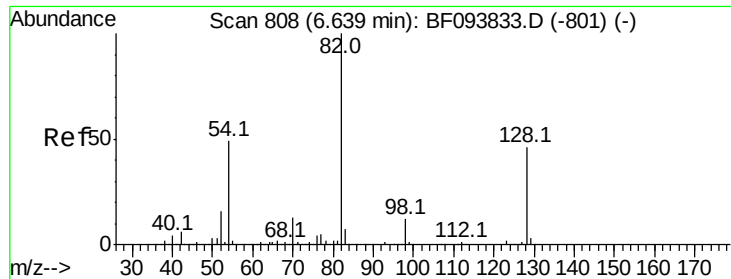
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



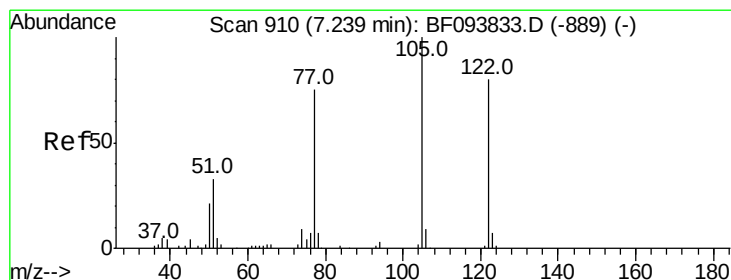
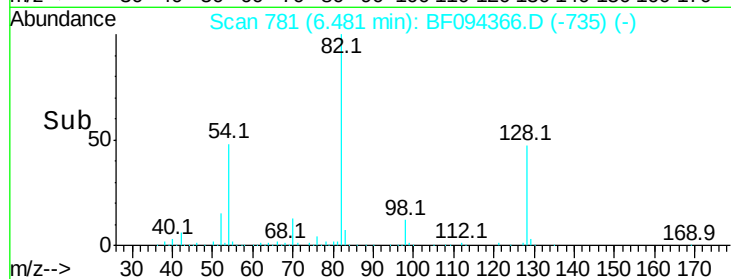
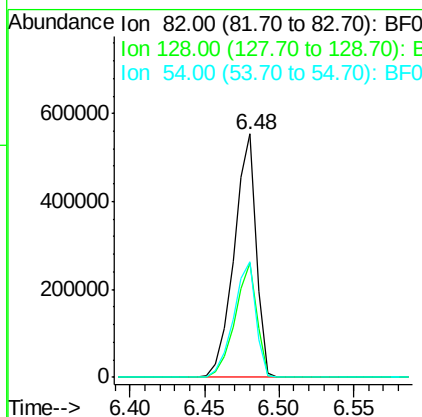
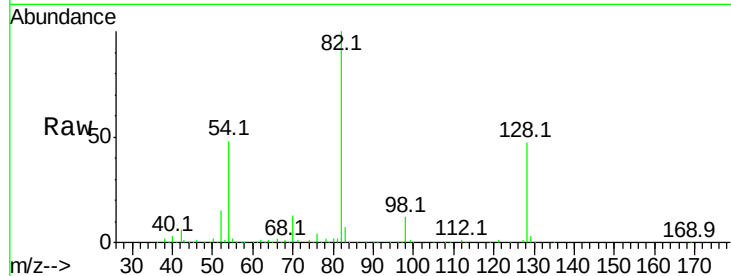


#23
 Nitrobenzene-d5
 Concen: 64.22 ng
 RT: 6.48 min Scan# 781
 Delta R.T. -0.03 min
 Lab File: BF094366.D
 Acq: 11 Apr 2017 22:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 574617

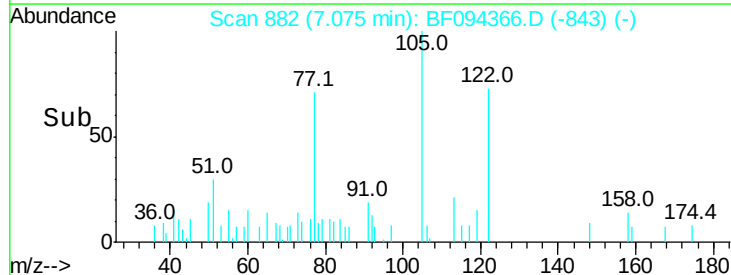
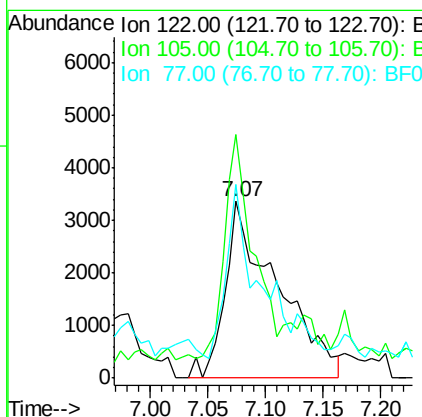
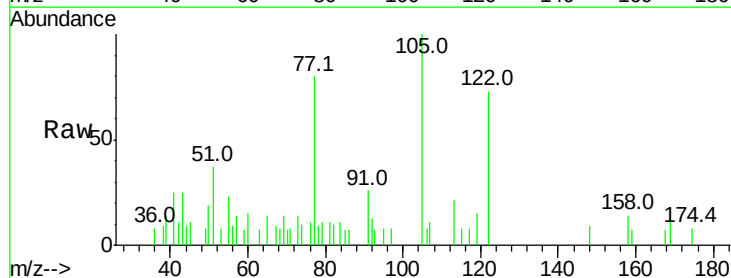
Ion	Ratio	Lower	Upper
82	100		
128	47.0	34.0	51.0
54	47.5	42.2	63.2

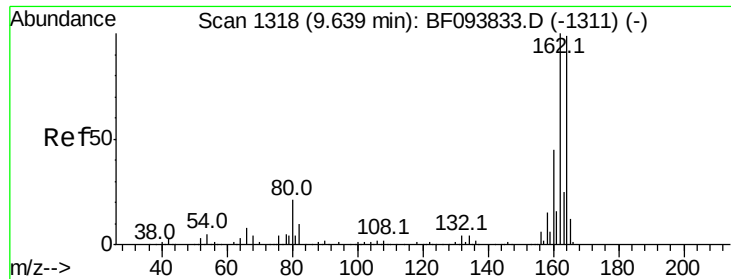


#32
 Benzoic acid
 Concen: 2.19 ng
 RT: 7.07 min Scan# 882
 Delta R.T. -0.07 min
 Lab File: BF094366.D
 Acq: 11 Apr 2017 22:36

Tgt Ion: 122 Resp: 10577

Ion	Ratio	Lower	Upper
122	100		
105	137.8	103.3	143.3
77	109.9	73.7	113.7

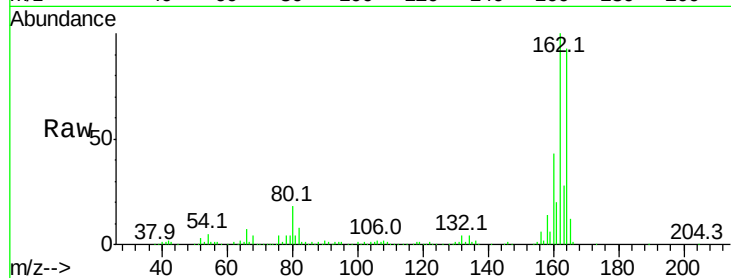




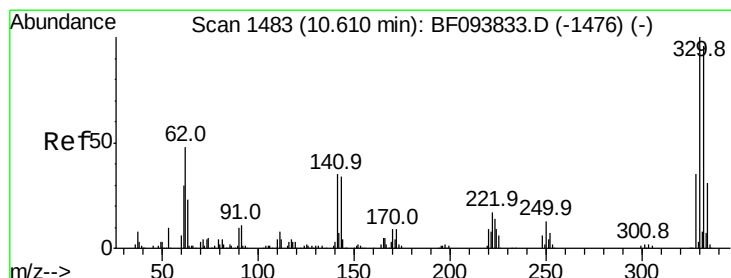
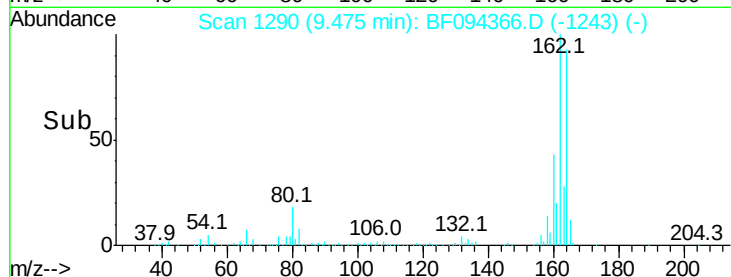
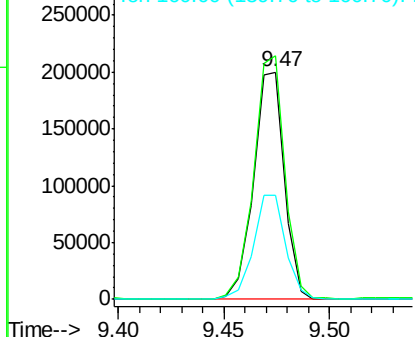
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.47 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF094366.D
Acq: 11 Apr 2017 22:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 203592
Ion Ratio Lower Upper
164 100
162 107.2 82.6 123.8
160 45.8 36.2 54.2

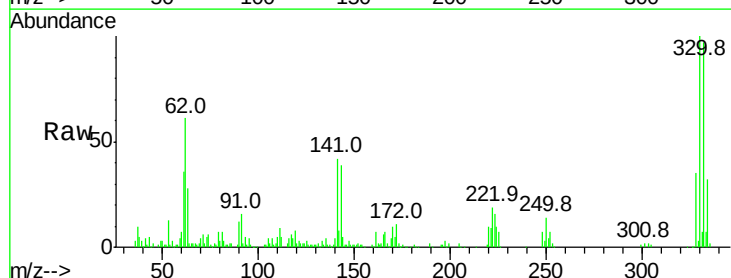


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

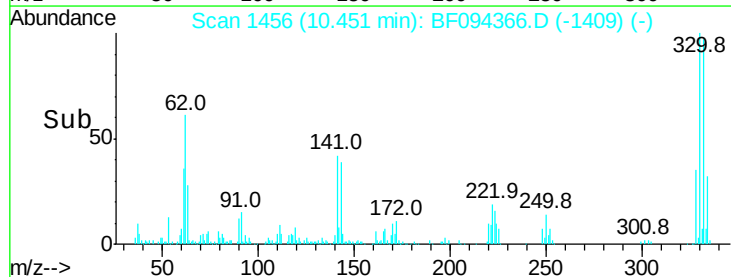
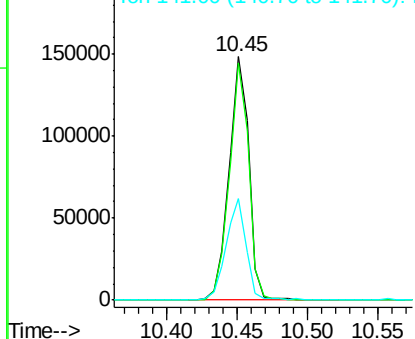


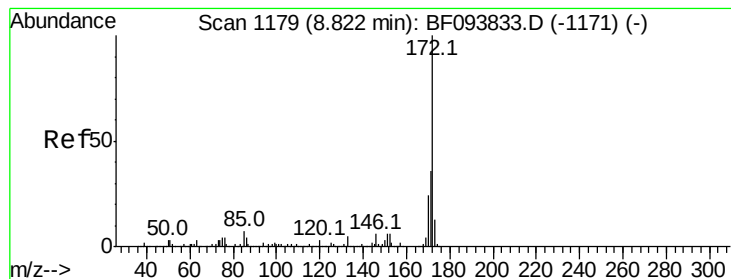
#41
2,4,6-Tribromophenol
Concen: 90.19 ng
RT: 10.45 min Scan# 1456
Delta R.T. -0.02 min
Lab File: BF094366.D
Acq: 11 Apr 2017 22:36

Tgt Ion:330 Resp: 145094
Ion Ratio Lower Upper
330 100
332 95.7 76.6 115.0
141 43.6 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: 72.38 ng

RT: 8.66 min Scan# 1151

Delta R.T. -0.03 min

Lab File: BF094366.D

Acq: 11 Apr 2017 22:36

Instrument :

BNA_F

ClientSampleId :

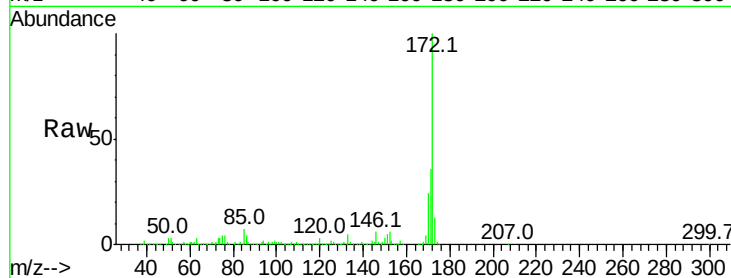
Tot Ion:172 Resp: 966146

Ion Ratio Lower Upper

172 100

171 36.3 29.6 44.4

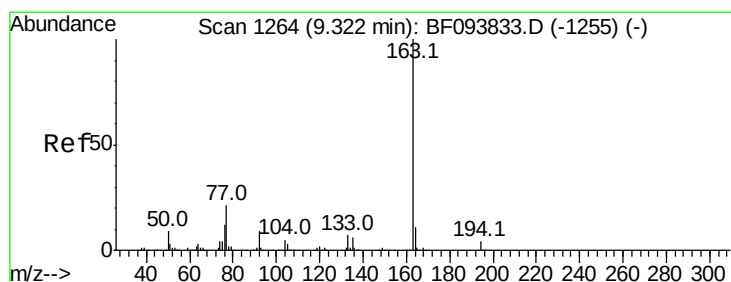
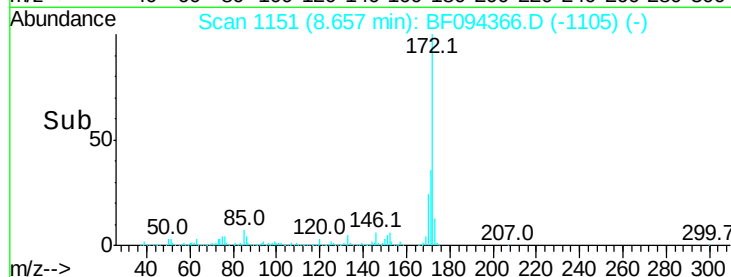
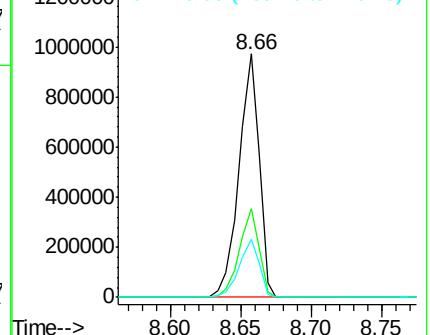
170 23.7 19.8 29.8



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: 17.92 ng

RT: 9.16 min Scan# 1236

Delta R.T. -0.04 min

Lab File: BF094366.D

Acq: 11 Apr 2017 22:36

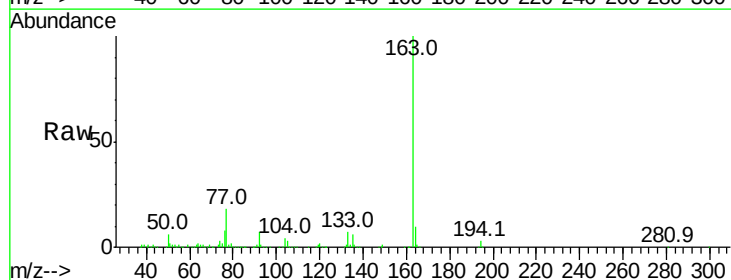
Tgt Ion:163 Resp: 259330

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

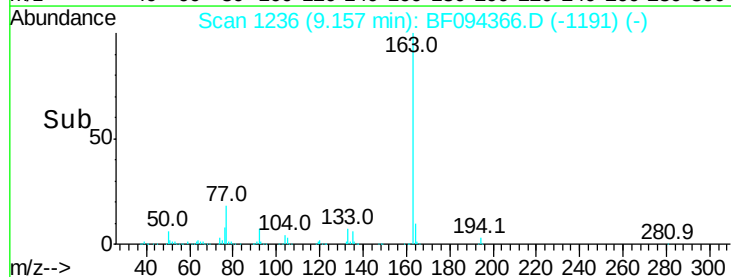
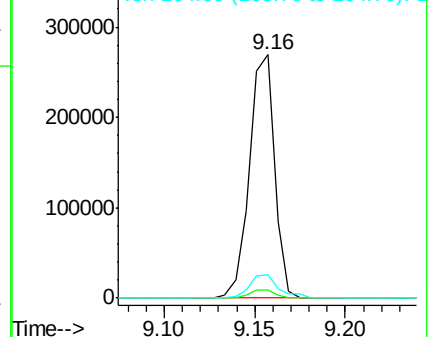
164 9.7 8.4 12.6

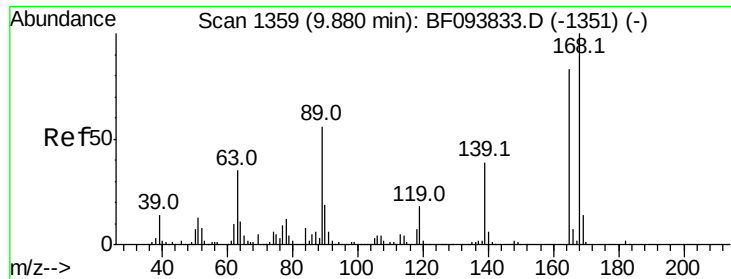


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

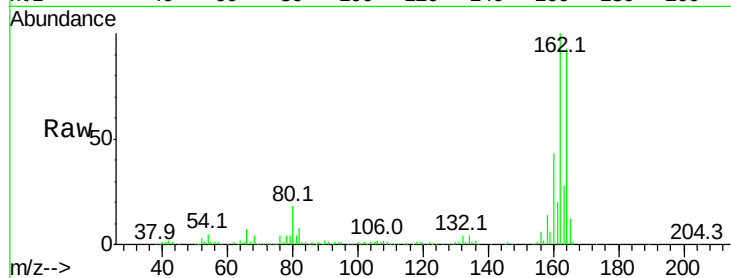




#56
 2,4-Dinitrotoluene
 Concen: 6.23 ng
 RT: 9.47 min Scan# 1290
 Delta R.T. -0.28 min
 Lab File: BF094366.D
 Acq: 11 Apr 2017 22:36

Instrument :
 BNA_F
 ClientSampleId :

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

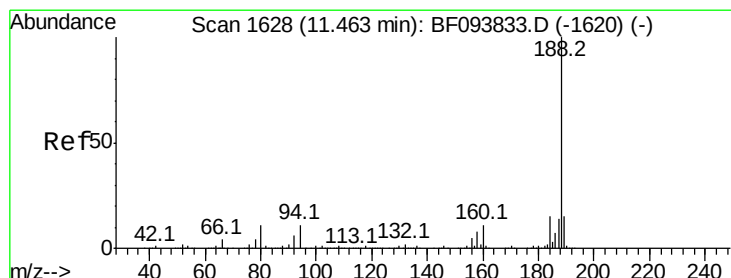
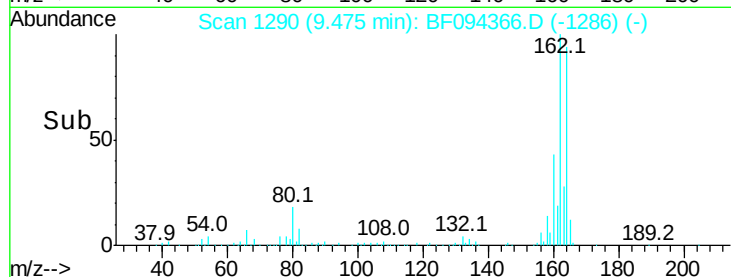
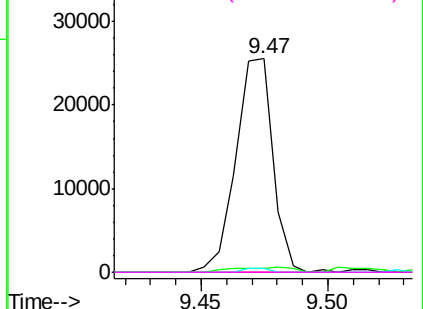


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

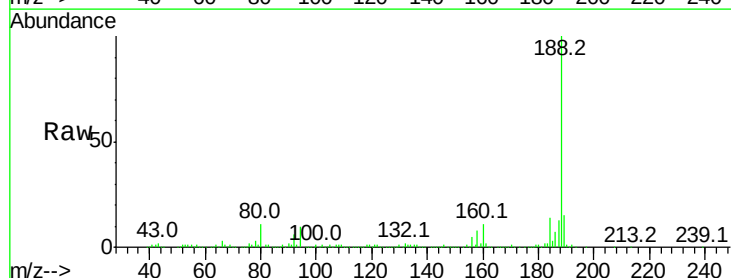
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 1600
 Delta R.T. -0.02 min
 Lab File: BF094366.D
 Acq: 11 Apr 2017 22:36

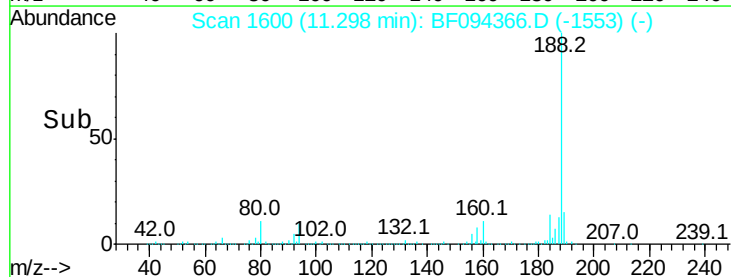
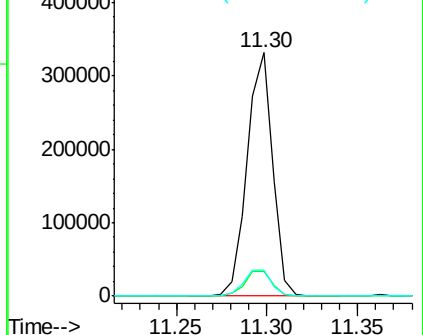
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	9.4	14.2
80	10.7	10.2	15.2

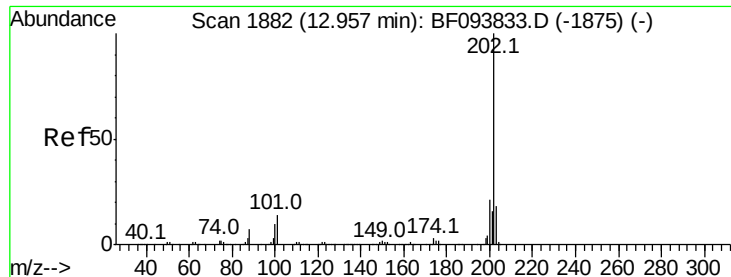


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 2.39 ng

RT: 12.79 min Scan# 1853

Delta R.T. -0.03 min

Lab File: BF094366.D

Acq: 11 Apr 2017 22:36

Instrument :

BNA_F

ClientSampleId :

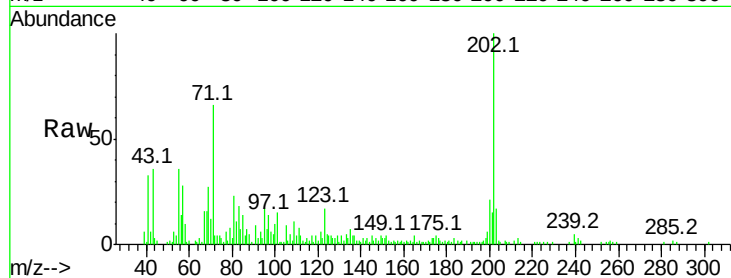
Tot Ion:202 Resp: 44024

Ion Ratio Lower Upper

202 100

101 14.6 0.0 33.2

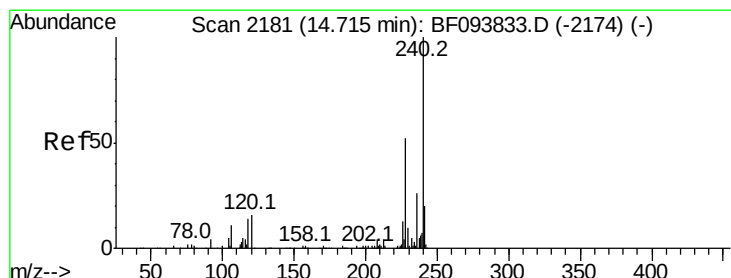
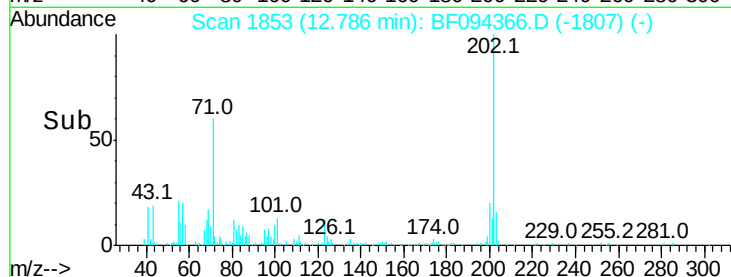
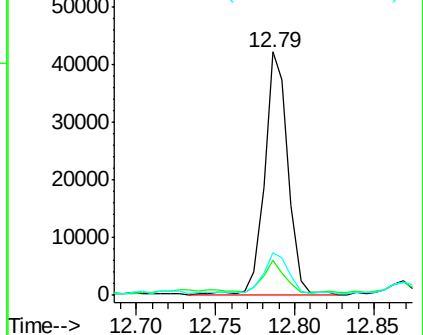
203 17.4 0.0 38.1



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: 14.56 min Scan# 2154

Delta R.T. -0.02 min

Lab File: BF094366.D

Acq: 11 Apr 2017 22:36

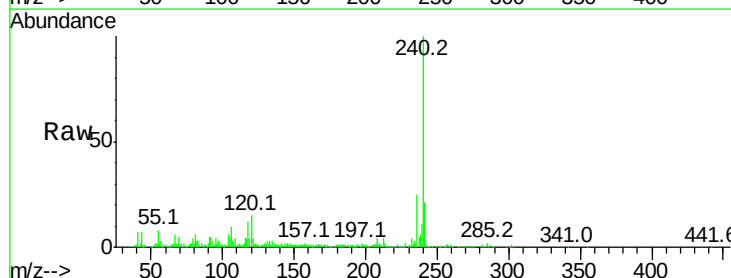
Tgt Ion:240 Resp: 269841

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

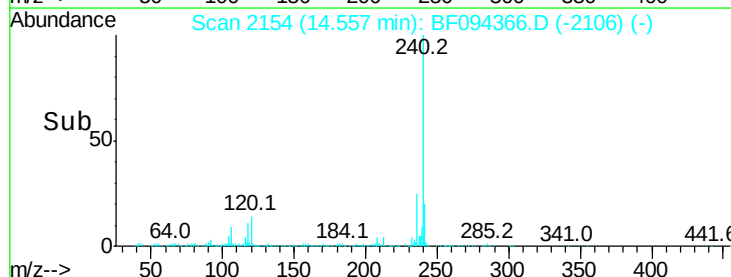
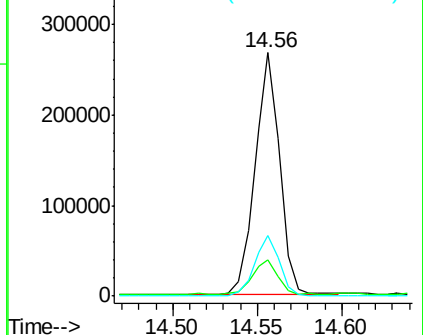
236 24.9 20.5 30.7

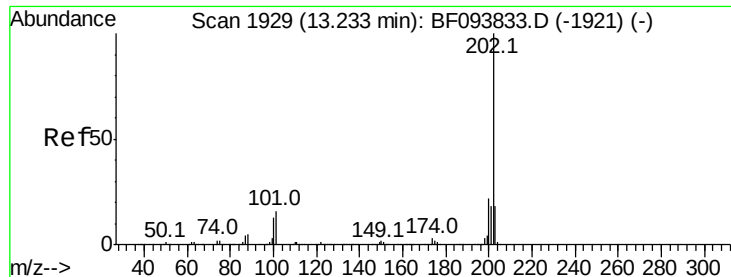


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

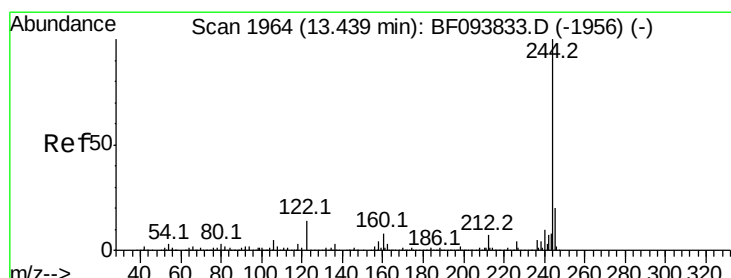
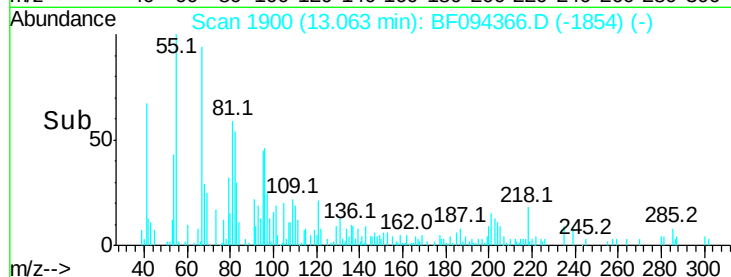
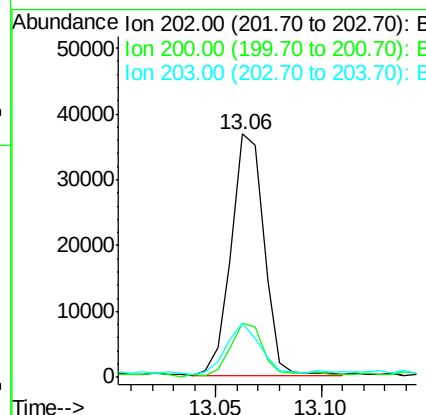
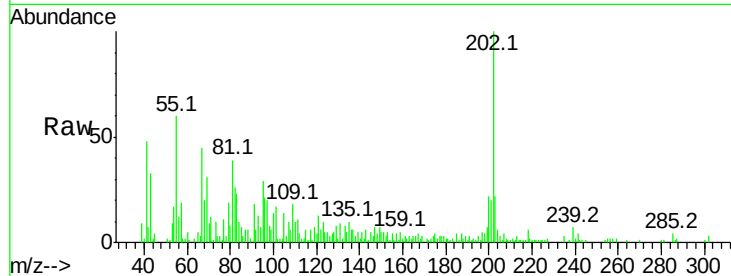




#77
Pvrene
Concen: 2.01 ng
RT: 13.06 min Scan# 1900
Delta R.T. -0.03 min
Lab File: BF094366.D
Acq: 11 Apr 2017 22:36

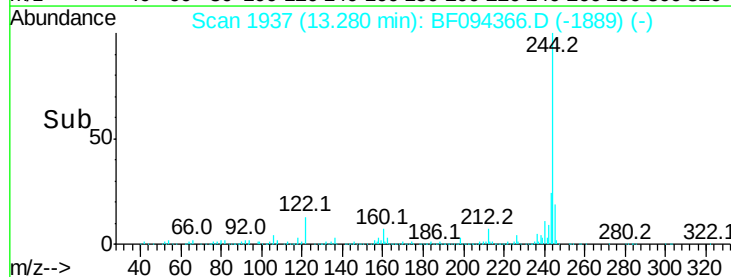
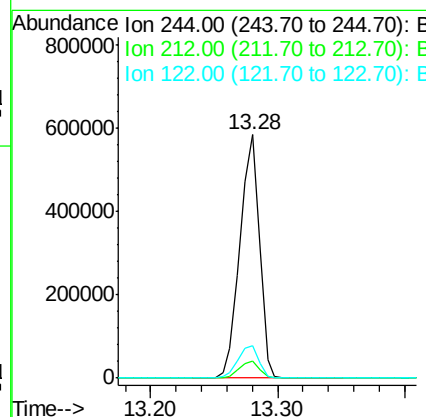
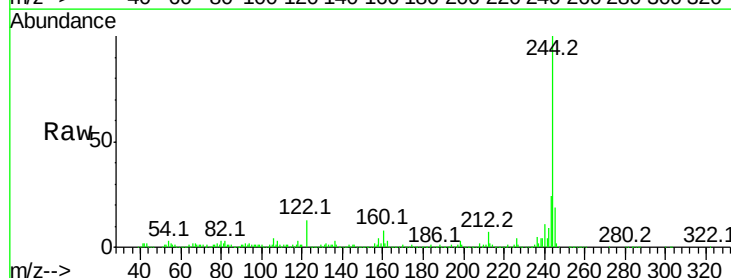
Instrument :
BNA_F
ClientSampled :

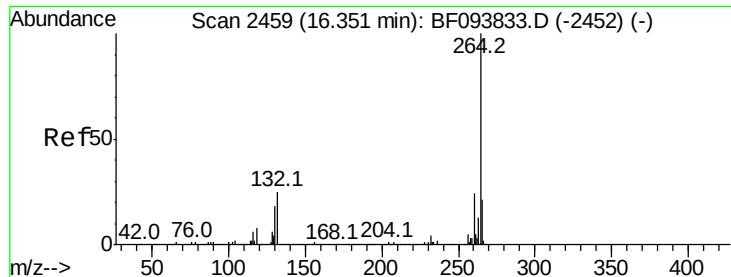
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.6	26.4
203	22.0	14.4	21.6



#78
Terphenyl-d14
Concen: 51.19 ng
RT: 13.28 min Scan# 1937
Delta R.T. -0.02 min
Lab File: BF094366.D
Acq: 11 Apr 2017 22:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	13.4	10.3	15.5

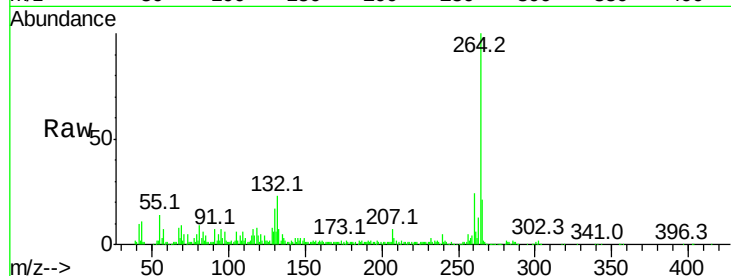




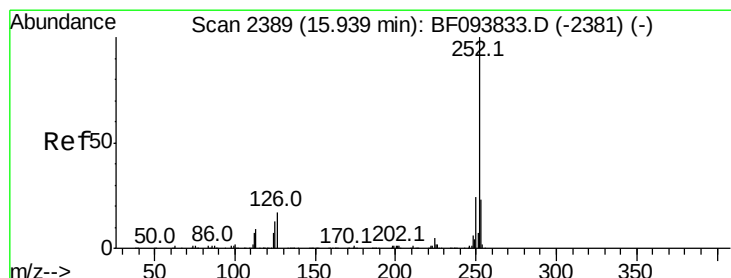
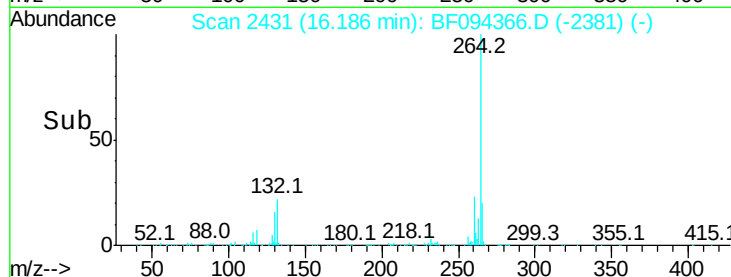
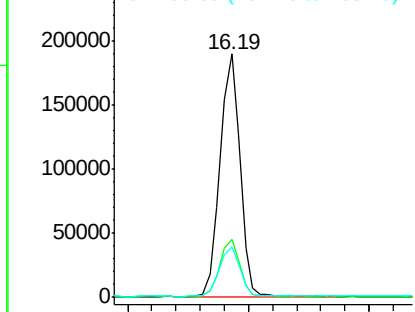
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.19 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BF094366.D
Acq: 11 Apr 2017 22:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 217614
Ion Ratio Lower Upper
264 100
260 23.6 19.5 29.3
265 20.5 17.2 25.8

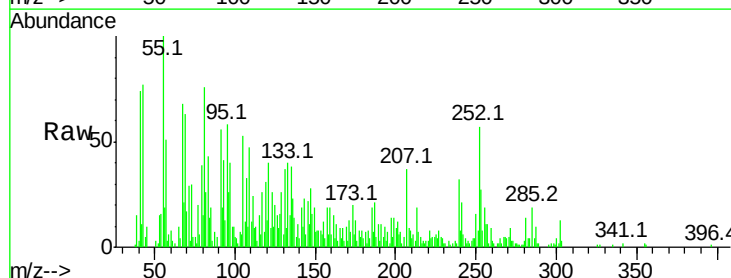


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

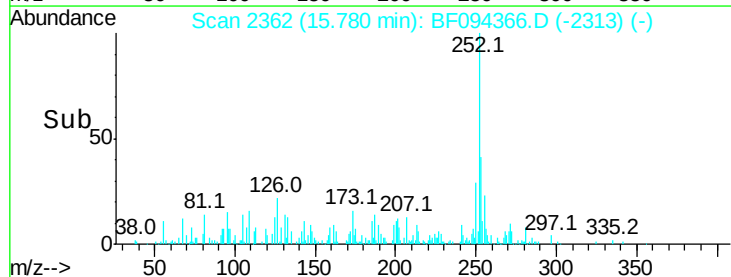
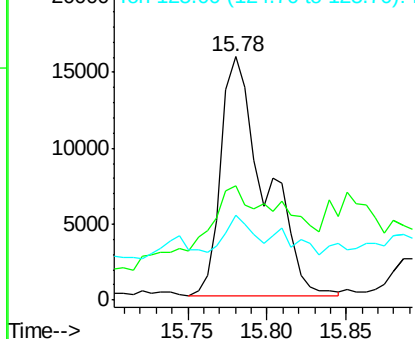


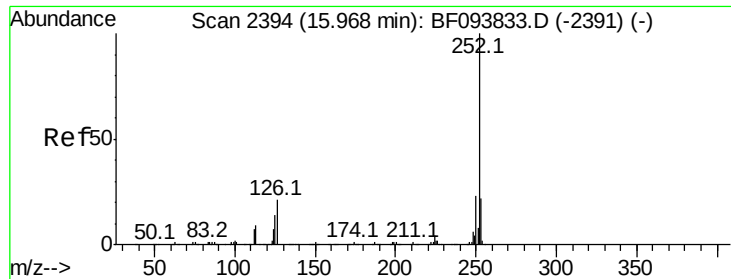
#87
Benzo(b)fluoranthene
Concen: 2.29 ng
RT: 15.78 min Scan# 2362
Delta R.T. -0.01 min
Lab File: BF094366.D
Acq: 11 Apr 2017 22:36

Tgt Ion:252 Resp: 30495
Ion Ratio Lower Upper
252 100
253 47.1 18.1 27.1#
125 34.8 9.8 14.8#



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





#88

Benzo(k)fluoranthene

Concen: 2.34 ng

RT: 15.78 min Scan# 2362

Delta R.T. -0.05 min

Lab File: BF094366.D

Acq: 11 Apr 2017 22:36

Instrument :

BNA_F

ClientSampleId :

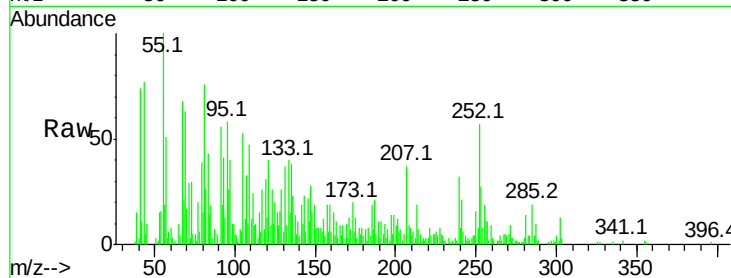
Tot Ion:252 Resp: 30495

Ion Ratio Lower Upper

252 100

253 47.1 18.4 27.6#

125 34.8 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

