

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063017\
 Data File : BF096332.D
 Acq On : 30 Jun 2017 12:51
 Operator : SJ/MA
 Sample : I3883-09 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G44-0-1.5

Quant Time: Jun 30 17:42:24 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

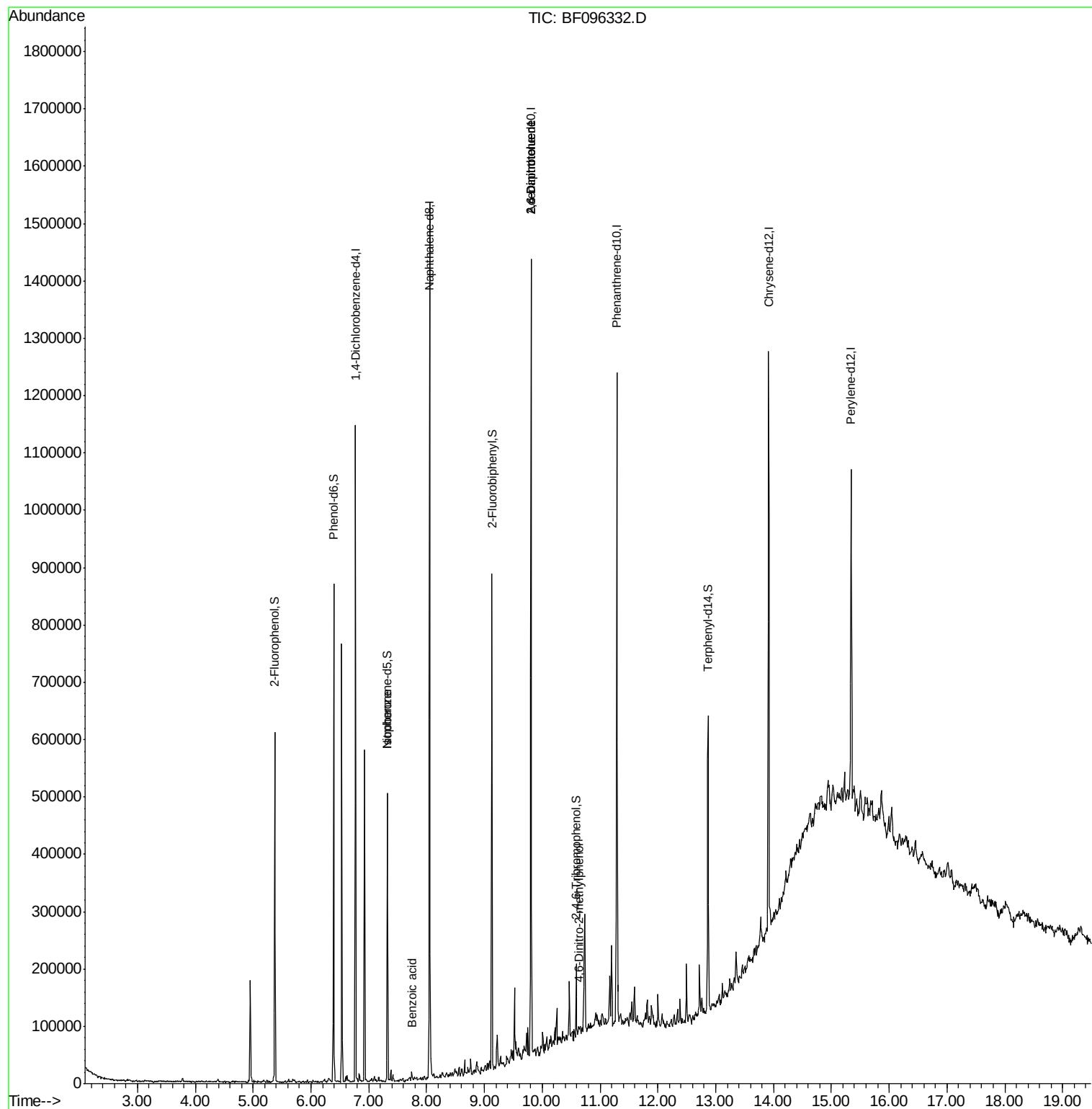
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	156081	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	641799	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	258609	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	362647	20.00	ng	0.00
75) Chrysene-d12	13.92	240	323011	20.00	ng	0.00
86) Perylene-d12	15.34	264	255105	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	154838	14.29	ng	0.00
7) Phenol-d6	6.39	99	238331	18.17	ng	0.00
23) Nitrobenzene-d5	7.32	82	127930	13.80	ng	-0.04
41) 2,4,6-Tribromophenol	10.59	330	11931	5.86	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	234075	16.58	ng	-0.02
78) Terphenyl-d14	12.87	244	147878	11.42	ng	0.00
Target Compounds						
9) Benzaldehyde	6.31	77	1456	Below Cal		Qvalue 85
25) Isophorone	7.32	82	127928	6.076 ng	#	67
32) Benzoic acid	7.74	122	2913	9.140 ng		90
50) 2,6-Dinitrotoluene	9.80	165	34022	8.838 ng	#	34
56) 2,4-Dinitrotoluene	9.80	165	34022	7.012 ng	#	33
57) Fluorene	10.35	166	1869	Below Cal	#	79
64) 4,6-Dinitro-2-methylphenol	10.63	198	107	8.796 ng	#	1
70) Phenanthrene	11.31	178	19917	Below Cal	#	96

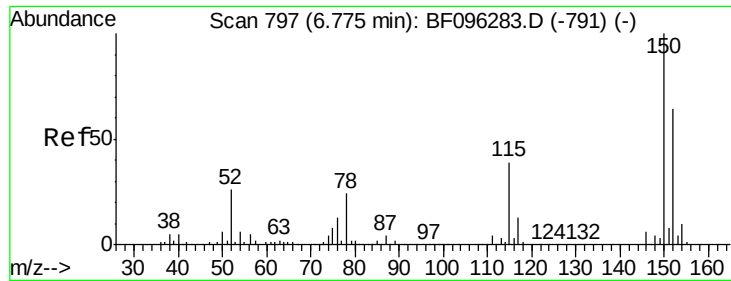
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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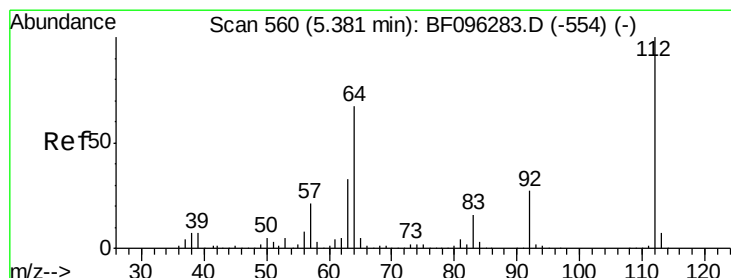
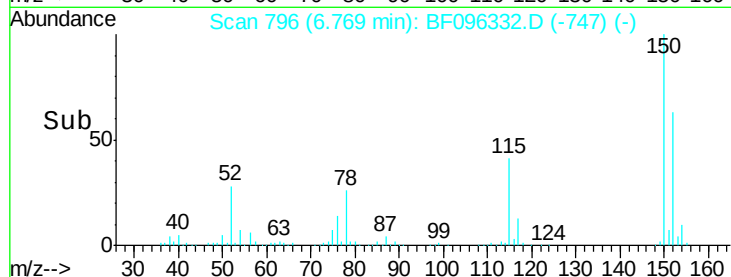
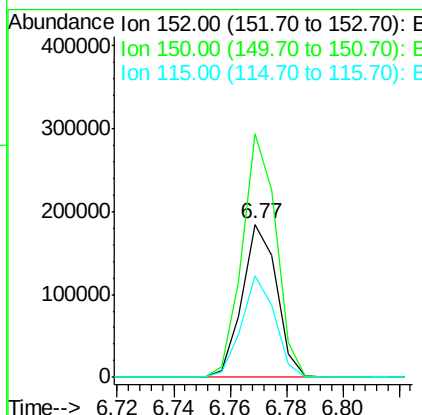
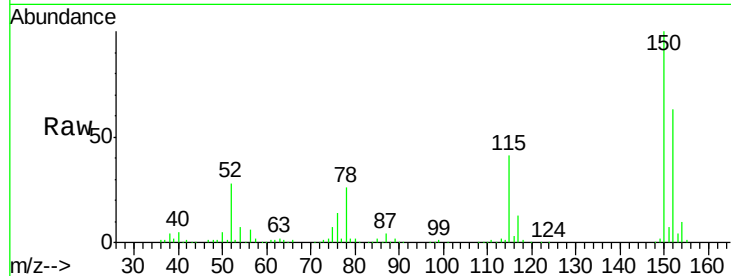


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF096332.D
Acq: 30 Jun 2017 12:51

Instrument :
BNA_F
ClientSampleId :
G44-0-1.5

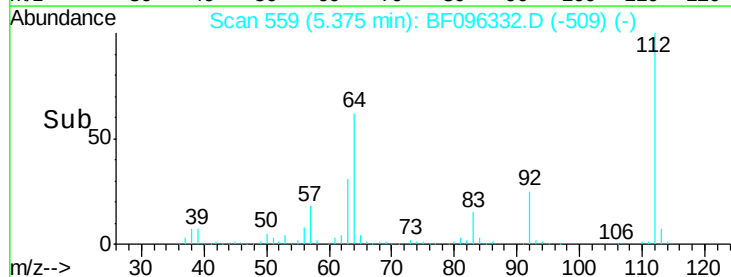
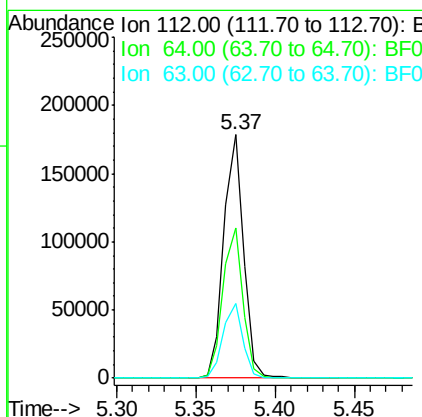
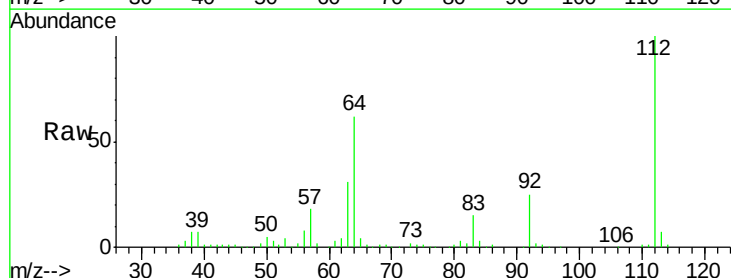
Tgt Ion:152 Resp: 156081
Ion Ratio Lower Upper
152 100
150 159.0 126.2 189.2
115 65.9 52.2 78.2

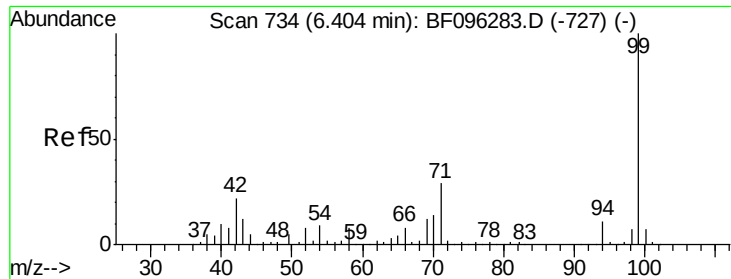


#5

2-Fluorophenol
Concen: 14.292 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF096332.D
Acq: 30 Jun 2017 12:51

Tgt Ion:112 Resp: 154838
Ion Ratio Lower Upper
112 100
64 61.9 46.0 69.0
63 30.6 23.4 35.0





#7

Phenol-d6

Concen: 18.168 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF096332.D

Acq: 30 Jun 2017 12:51

Instrument :

BNA_F

ClientSampleId :

G44-0-1.5

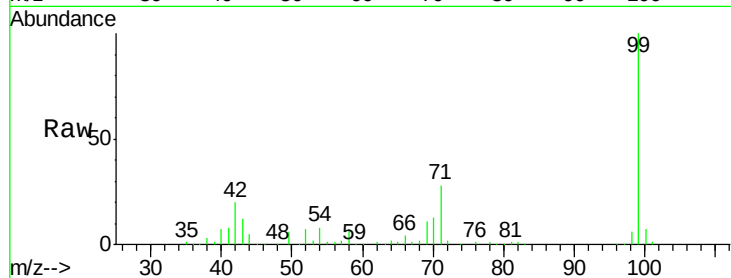
Tgt Ion: 99 Resp: 238331

Ion Ratio Lower Upper

99 100

42 20.0 13.5 20.3

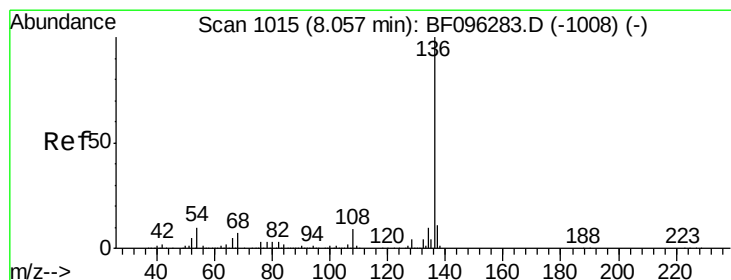
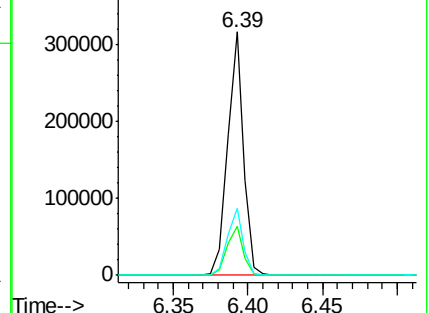
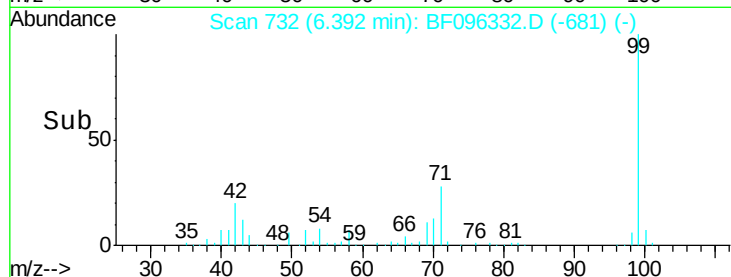
71 27.7 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF096332.D

Acq: 30 Jun 2017 12:51

Tgt Ion: 136 Resp: 641799

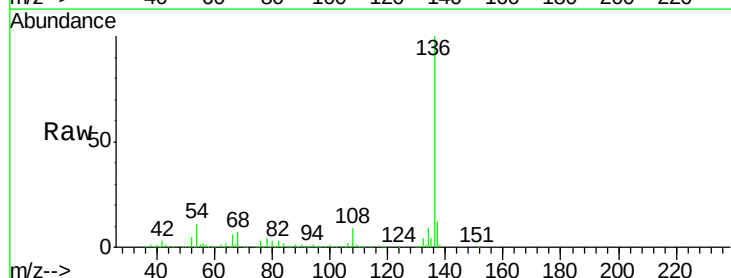
Ion Ratio Lower Upper

136 100

137 11.7 8.5 12.7

54 11.4 4.9 7.3#

68 6.9 4.1 6.1#

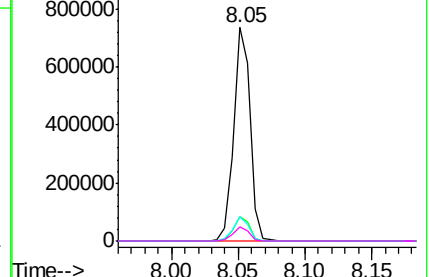
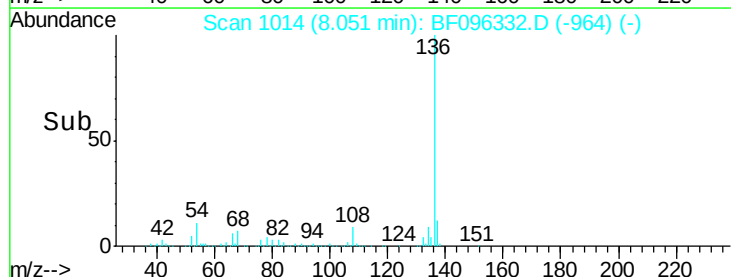


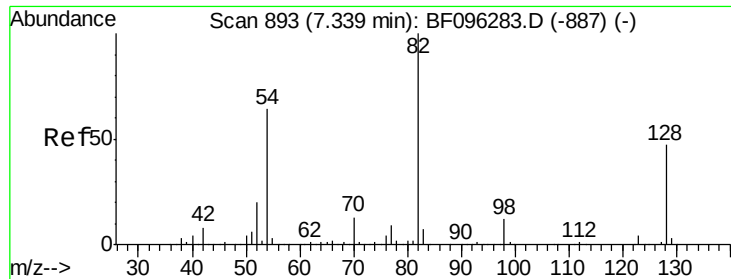
Abundance Ion 136.00 (135.70 to 136.70): E

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

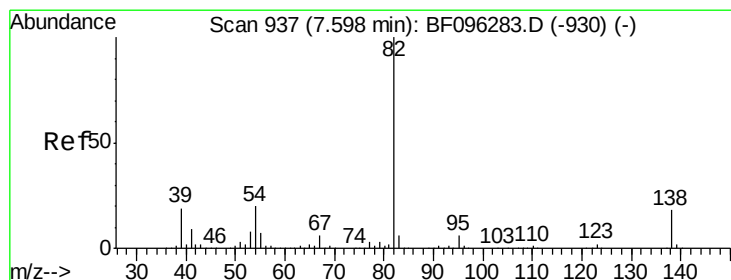
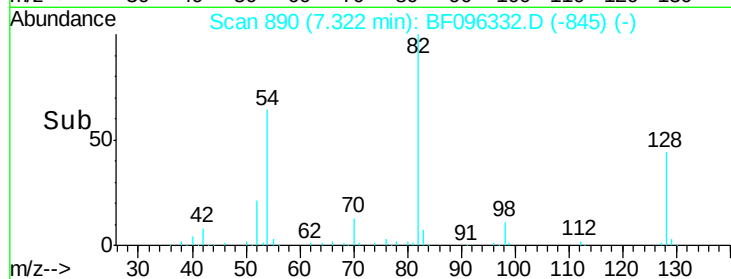
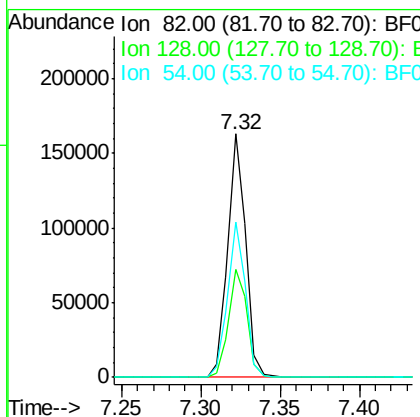
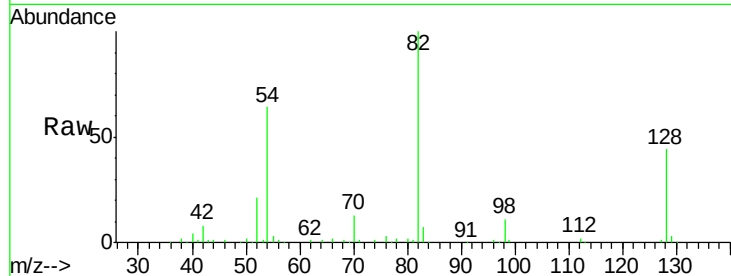




#23
 Nitrobenzene-d5
 Concen: 13.799 ng
 RT: 7.32 min Scan# 890
 Delta R.T. -0.04 min
 Lab File: BF096332.D
 Acq: 30 Jun 2017 12:51

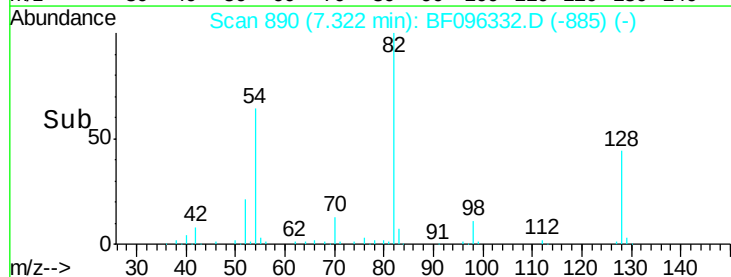
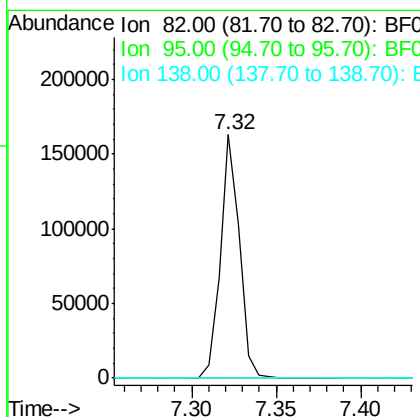
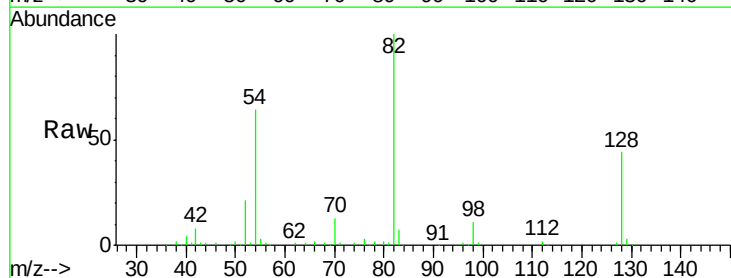
Instrument :
 BNA_F
 ClientSampleId :
 G44-0-1.5

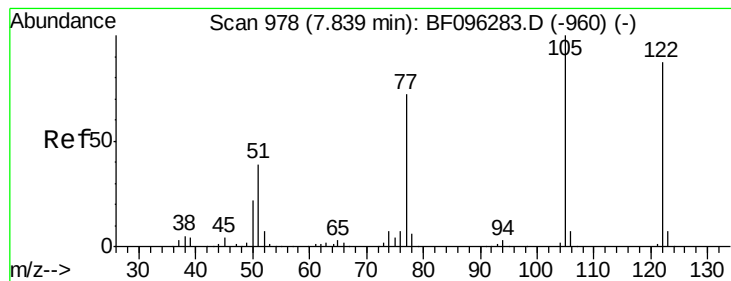
Tgt Ion: 82 Resp: 127930
 Ion Ratio Lower Upper
 82 100
 128 44.4 34.0 51.0
 54 64.0 42.2 63.2#



#25
 Isophorone
 Concen: 6.076 ng
 RT: 7.32 min Scan# 890
 Delta R.T. -0.27 min
 Lab File: BF096332.D
 Acq: 30 Jun 2017 12:51

Tgt Ion: 82 Resp: 127928
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#





#32

Benzoic acid

Concen: 9.140 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.15 min

Lab File: BF096332.D

Acq: 30 Jun 2017 12:51

Instrument :

BNA_F

ClientSampleId :

G44-0-1.5

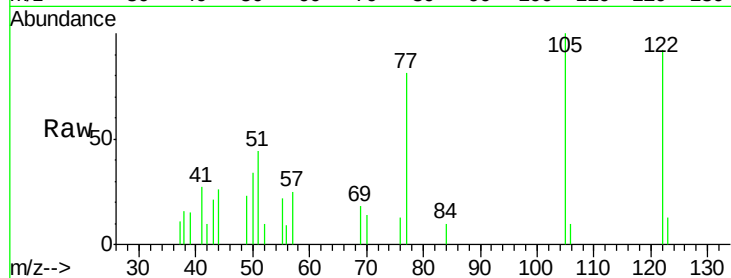
Tgt Ion:122 Resp: 2913

Ion Ratio Lower Upper

122 100

105 108.2 103.3 143.3

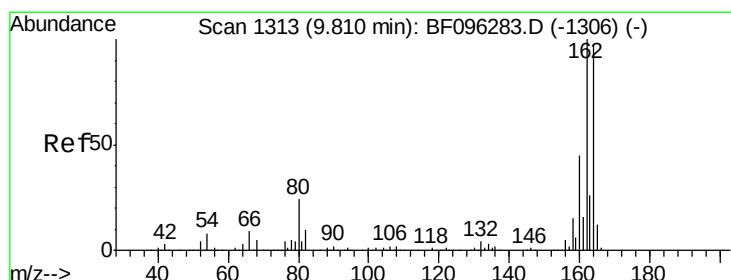
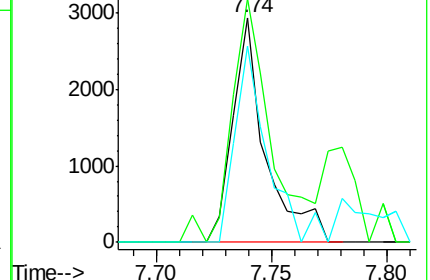
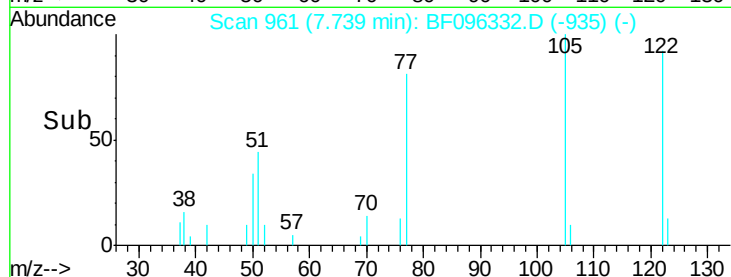
77 87.3 73.7 113.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF096332.D

Acq: 30 Jun 2017 12:51

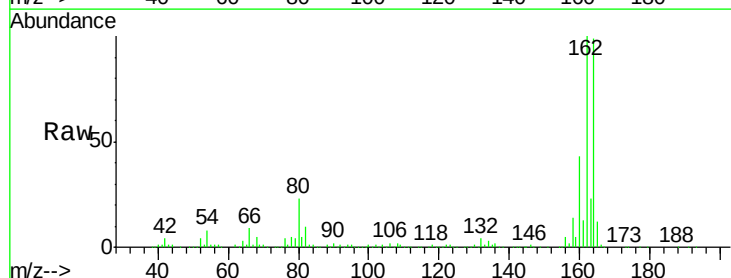
Tgt Ion:164 Resp: 258609

Ion Ratio Lower Upper

164 100

162 101.5 82.6 123.8

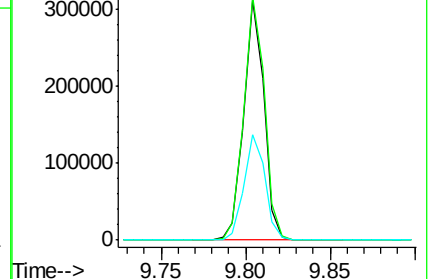
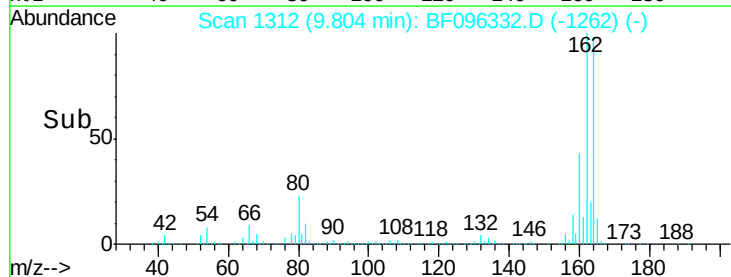
160 43.7 36.2 54.2

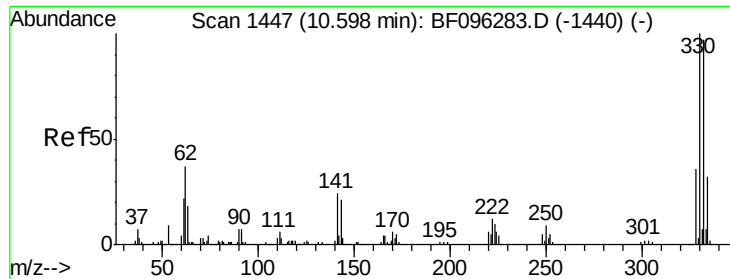


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

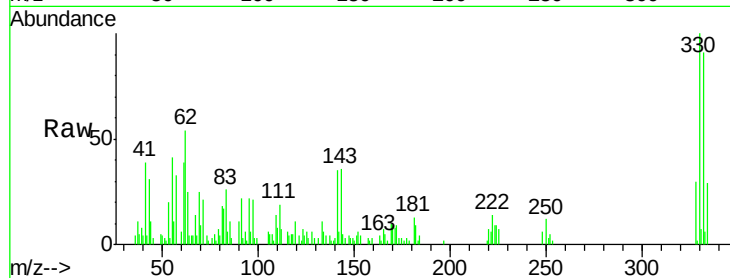




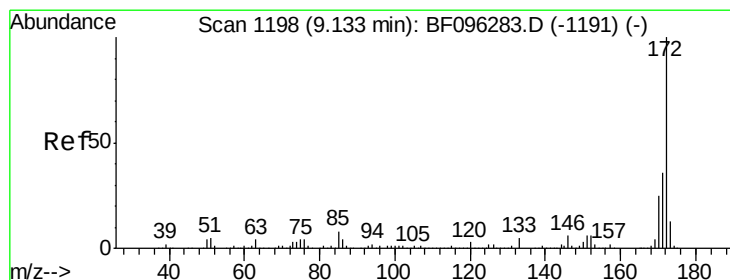
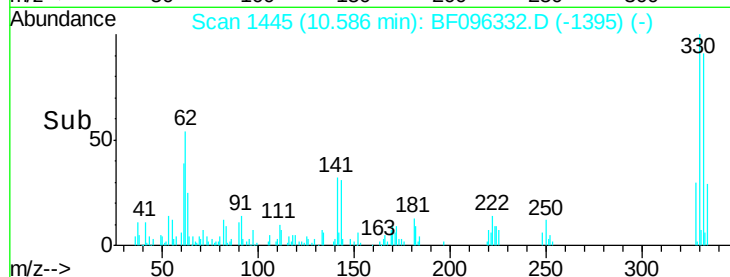
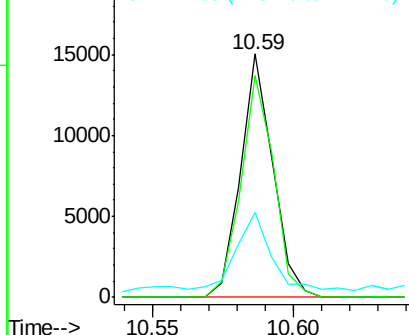
#41
 2,4,6-Tribromophenol
 Concen: 5.862 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF096332.D
 Acq: 30 Jun 2017 12:51

Instrument :
 BNA_F
 ClientSampleId :
 G44-0-1.5

Tgt Ion: 330 Resp: 11931
 Ion Ratio Lower Upper
 330 100
 332 92.8 76.6 115.0
 141 38.5 31.4 47.2

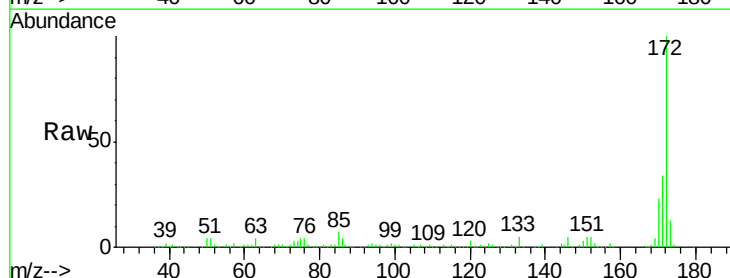


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

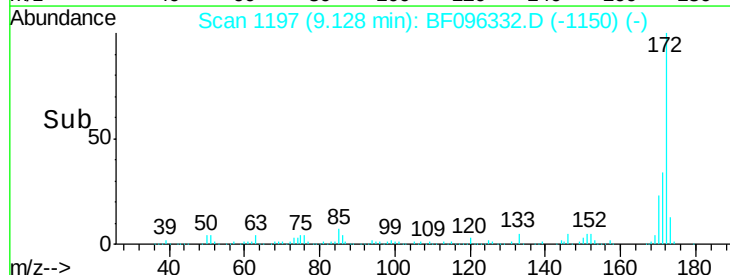
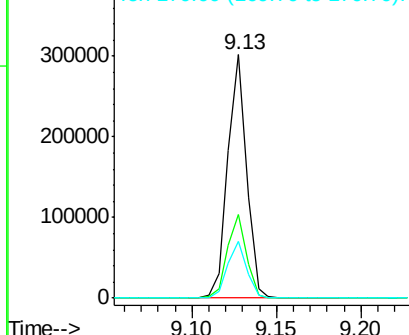


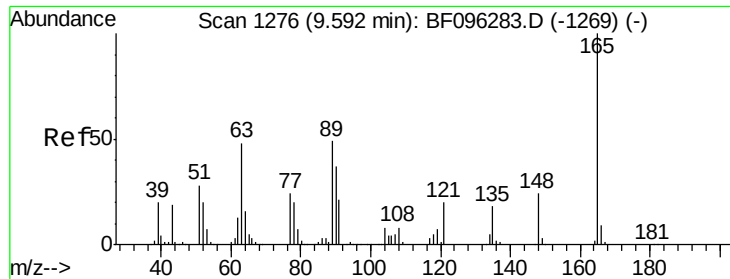
#44
 2-Fluorobiphenyl
 Concen: 16.576 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: BF096332.D
 Acq: 30 Jun 2017 12:51

Tgt Ion: 172 Resp: 234075
 Ion Ratio Lower Upper
 172 100
 171 34.2 29.6 44.4
 170 23.1 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

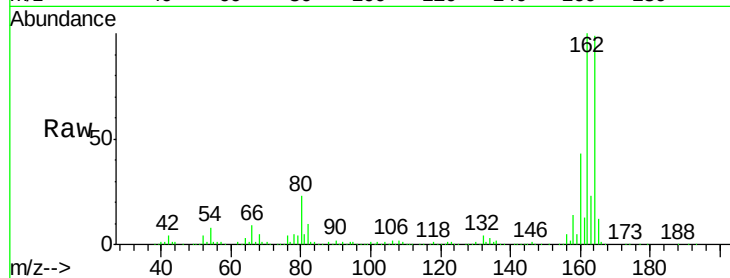




#50
 2,6-Dinitrotoluene
 Concen: 8.838 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. 0.19 min
 Lab File: BF096332.D
 Acq: 30 Jun 2017 12:51

Instrument :
 BNA_F
 ClientSampleID :
 G44-0-1.5

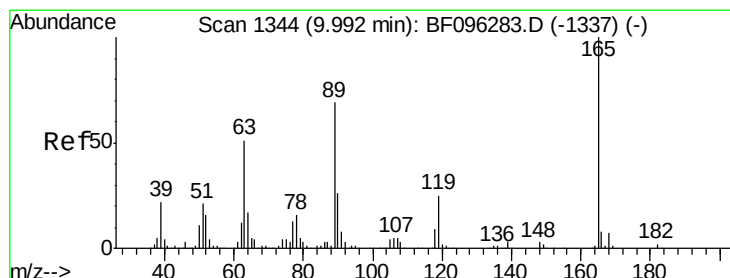
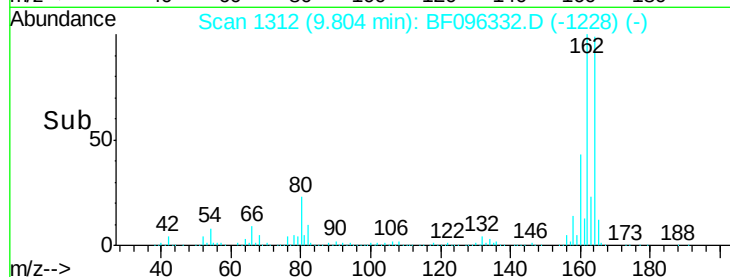
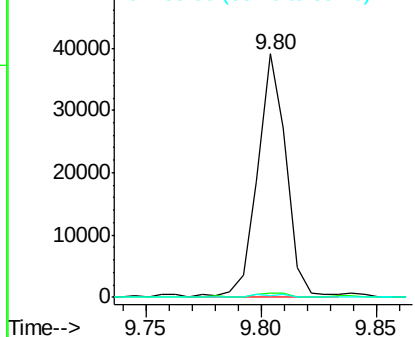
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	34.3	51.5#
89	0.8	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

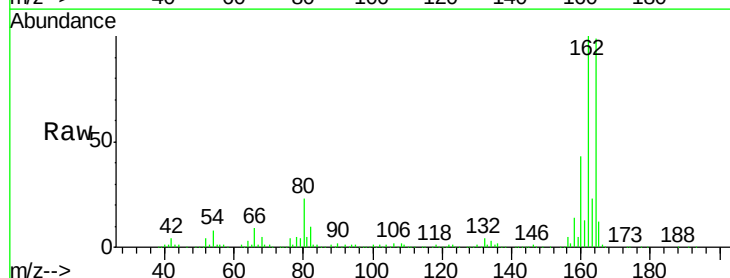
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 7.012 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.21 min
 Lab File: BF096332.D
 Acq: 30 Jun 2017 12:51

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	25.4	38.0#
89	0.8	46.4	69.6#
182	0.0	1.8	2.6#

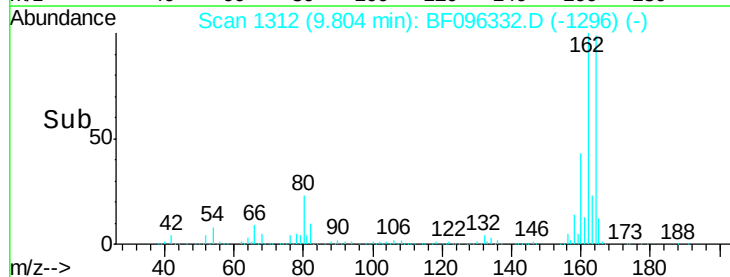
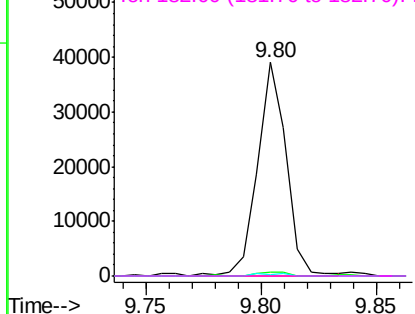


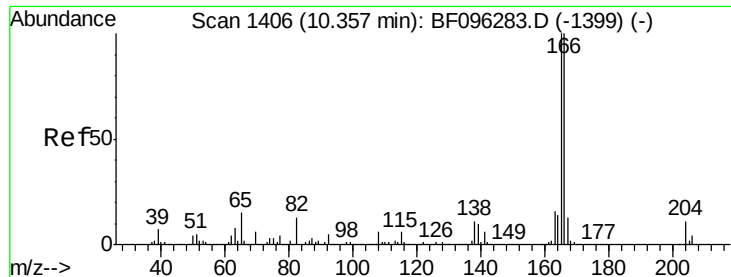
Abundance Ion 165.00 (164.70 to 165.70): E

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

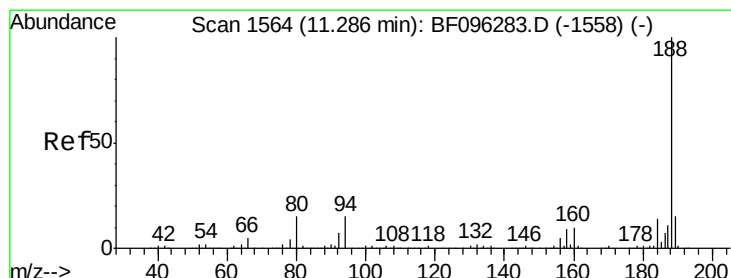
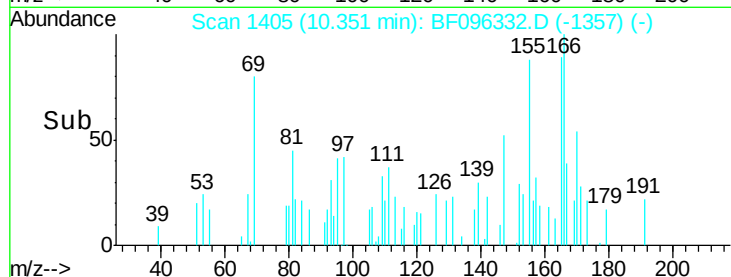
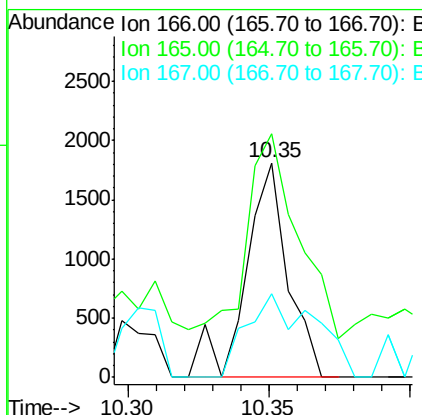
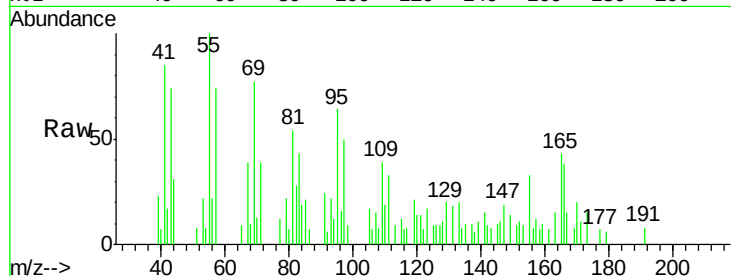




#57
 Fluorene
 Concen: Below Cal
 RT: 10.35 min Scan# 1405
 Delta R.T. -0.02 min
 Lab File: BF096332.D
 Acq: 30 Jun 2017 12:51

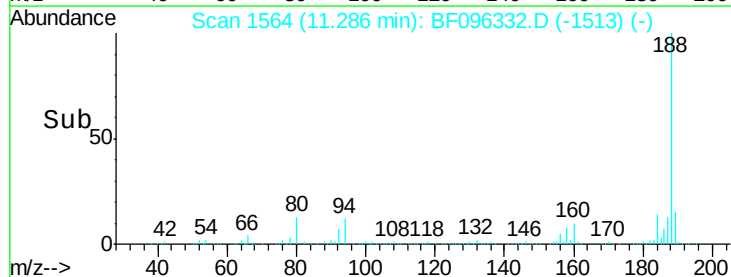
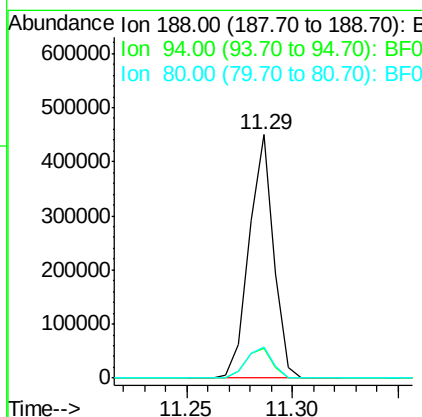
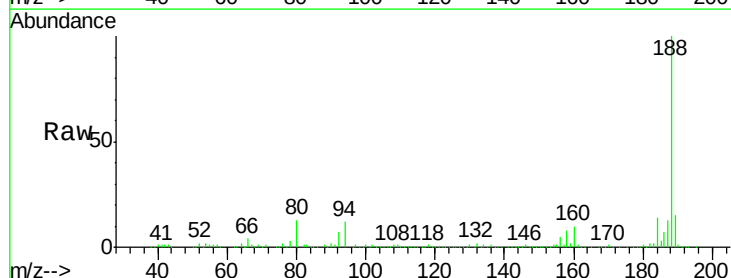
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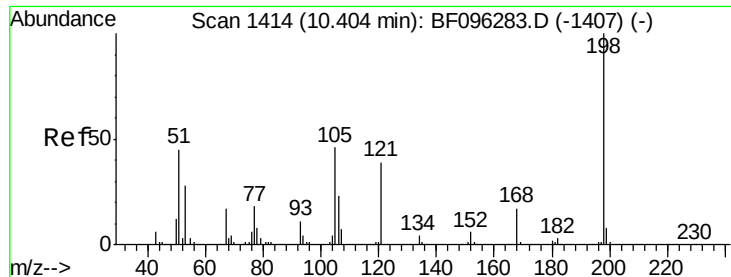
Tgt Ion:166 Resp: 1869
 Ion Ratio Lower Upper
 166 100
 165 113.7 78.8 118.2
 167 39.2 10.6 16.0#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: BF096332.D
 Acq: 30 Jun 2017 12:51

Tgt Ion:188 Resp: 362647
 Ion Ratio Lower Upper
 188 100
 94 12.2 9.4 14.2
 80 12.8 10.2 15.2





#64

4,6-Dinitro-2-methylphenol

Concen: 8.796 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.22 min

Lab File: BF096332.D

Acq: 30 Jun 2017 12:51

Instrument :

BNA_F

ClientSampled :

G44-0-1.5

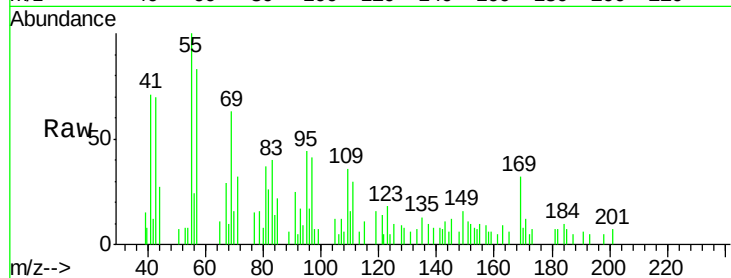
Tgt Ion:198 Resp: 107

Ion Ratio Lower Upper

198 100

51 155.6 53.2 93.2#

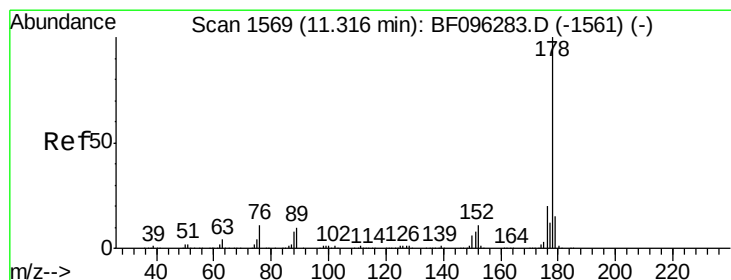
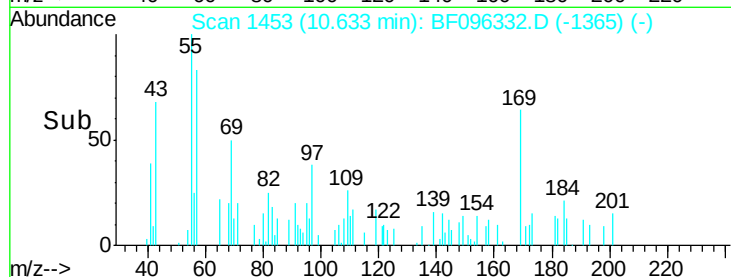
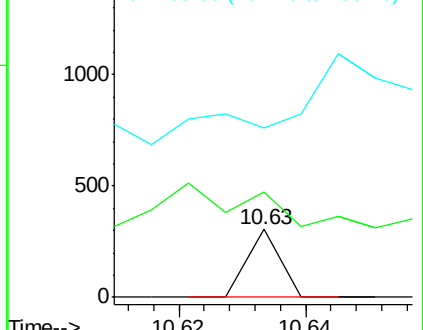
105 251.0 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#70

Phenanthrene

Concen: Below Cal

RT: 11.31 min Scan# 1568

Delta R.T. -0.02 min

Lab File: BF096332.D

Acq: 30 Jun 2017 12:51

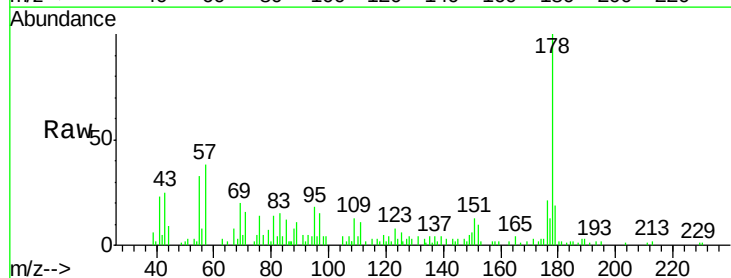
Tgt Ion:178 Resp: 19917

Ion Ratio Lower Upper

178 100

176 20.7 16.2 24.4

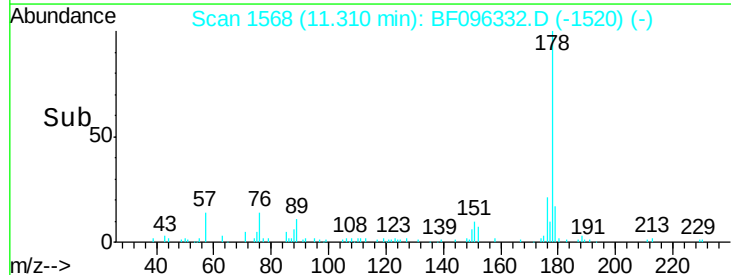
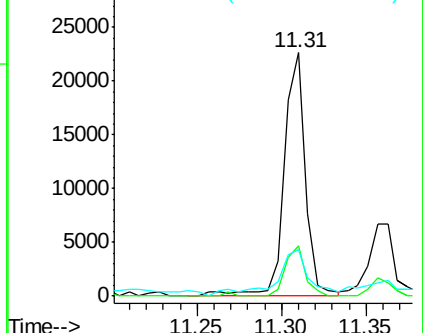
179 19.2 12.6 19.0#

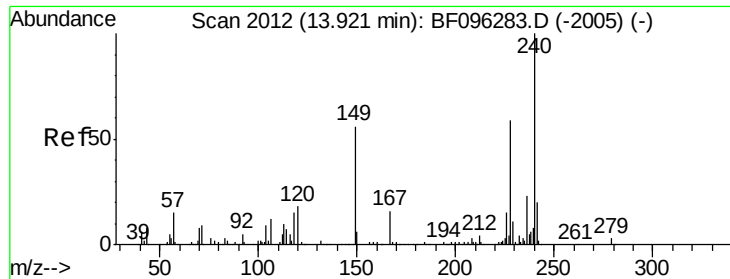


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BF096332.D

Acq: 30 Jun 2017 12:51

Instrument :

BNA_F

ClientSampleId :

G44-0-1.5

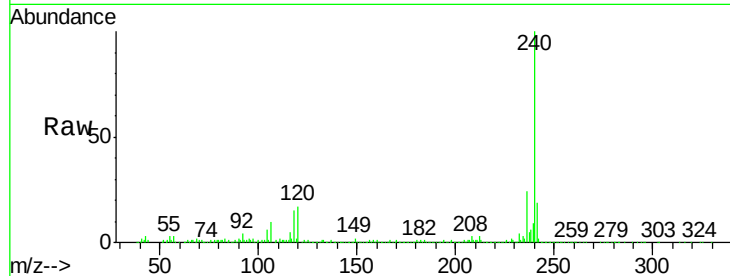
Tgt Ion:240 Resp: 323011

Ion Ratio Lower Upper

240 100

120 16.7 5.8 8.8#

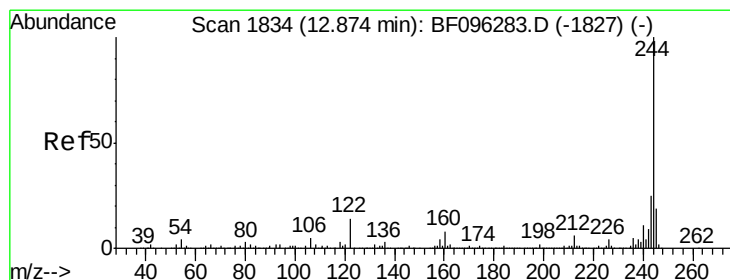
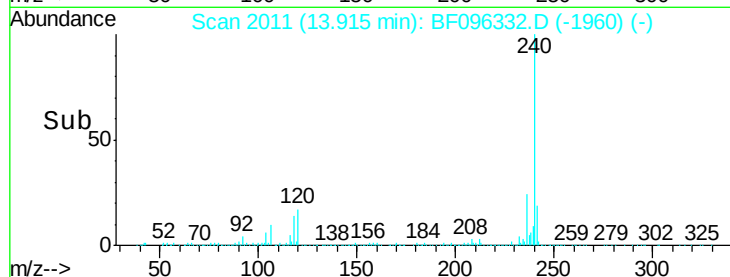
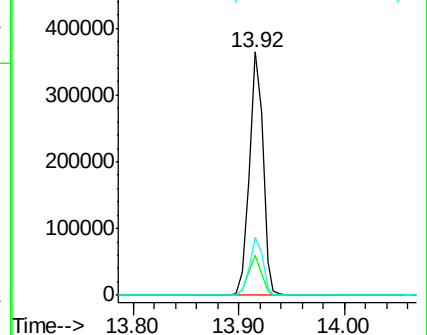
236 23.7 20.5 30.7



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



#78

Terphenyl-d14

Concen: 11.424 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF096332.D

Acq: 30 Jun 2017 12:51

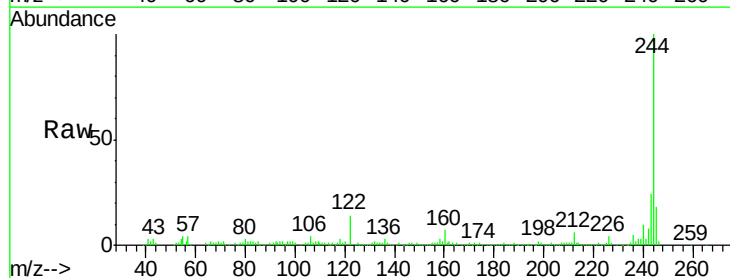
Tgt Ion:244 Resp: 147878

Ion Ratio Lower Upper

244 100

212 5.6 6.0 9.0#

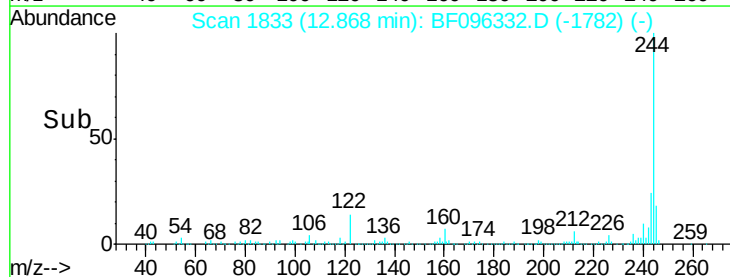
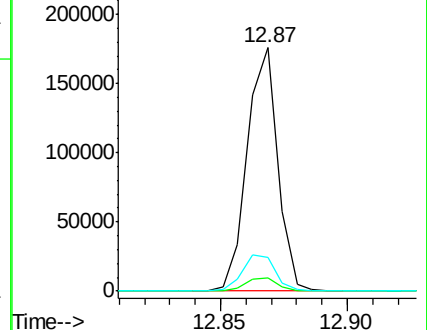
122 13.9 10.3 15.5

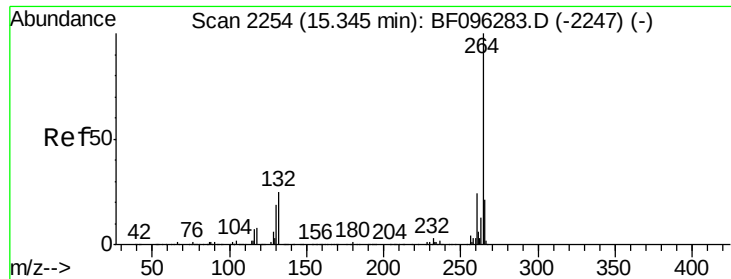


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

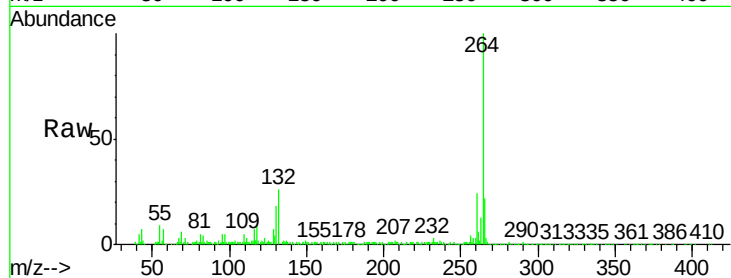




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF096332.D
Acq: 30 Jun 2017 12:51

Instrument :
BNA_F
ClientSampleId :
G44-0-1.5

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.6	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

