

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063017\
 Data File : BF096333.D
 Acq On : 30 Jun 2017 13:19
 Operator : SJ/MA
 Sample : I3883-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G44-1.5-3

Quant Time: Jun 30 17:42:38 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

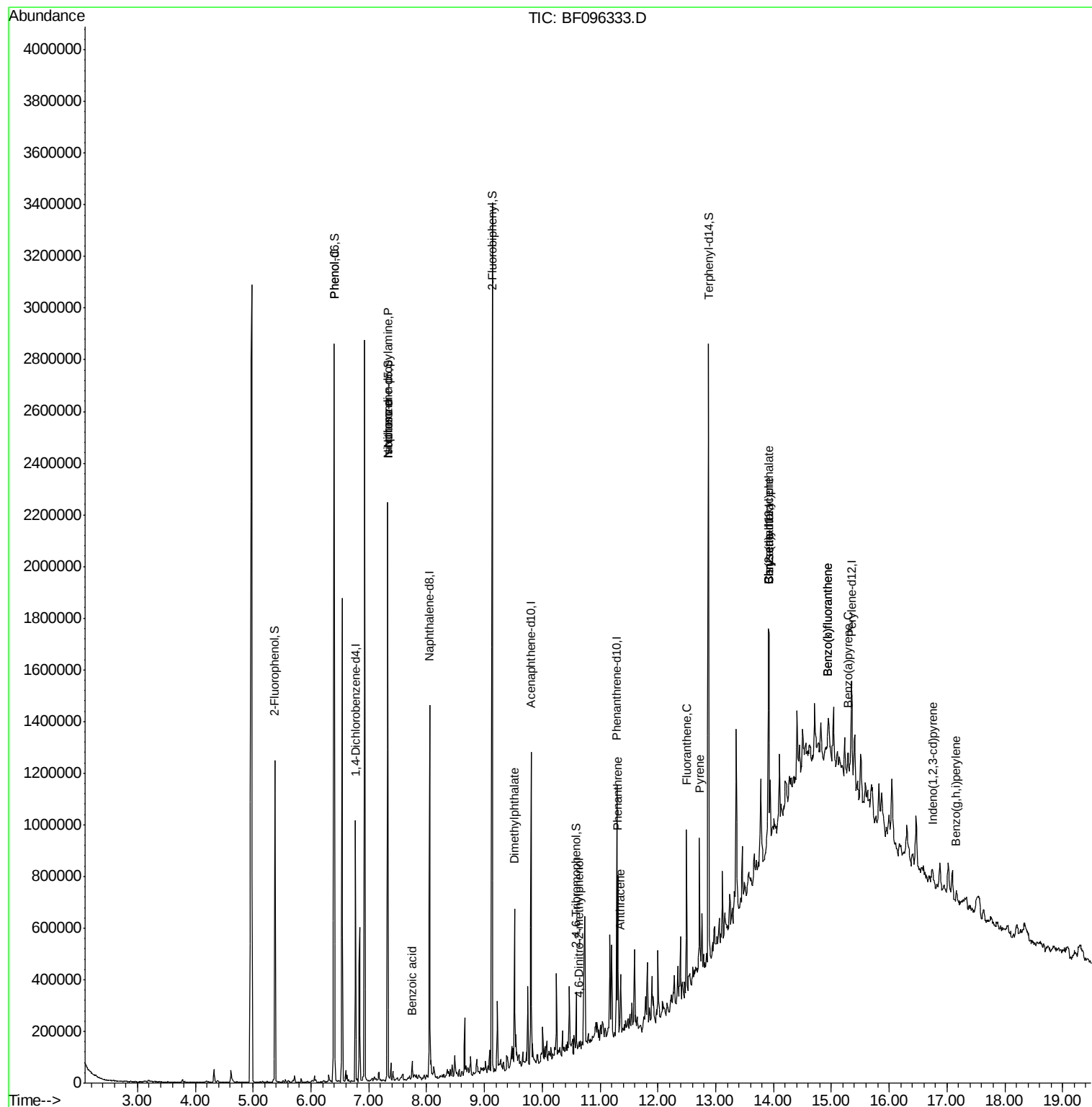
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	138638	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	568078	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	217990	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	318068	20.00	ng	0.00
75) Chrysene-d12	13.92	240	268336	20.00	ng	0.00
86) Perylene-d12	15.35	264	185286	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	334149	34.72	ng	0.00
7) Phenol-d6	6.40	99	1040886	89.33	ng	0.01
23) Nitrobenzene-d5	7.33	82	735166	89.59	ng	-0.03
41) 2,4,6-Tribromophenol	10.59	330	16446	9.59	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	1134725	95.33	ng	-0.02
78) Terphenyl-d14	12.87	244	773676	71.94	ng	0.00
Target Compounds						
9) Benzaldehyde	6.31	77	3356	Below Cal		Qvalue 91
10) Phenol	6.41	94	26355	2.057 ng		99
19) n-Nitroso-di-n-propylamine	7.33	70	100049	14.332 ng	#	88
25) Isophorone	7.33	82	735157	39.447 ng	#	67
32) Benzoic acid	7.75	122	13305	10.610 ng		89
49) Dimethylphthalate	9.52	163	216364	13.869 ng		99
57) Fluorene	10.35	166	19510	Below Cal	#	99
60) 4-Chlorophenyl-phenylether	10.17	204	562	Below Cal	#	64
64) 4,6-Dinitro-2-methylphenol	10.63	198	578	9.034 ng	#	1
70) Phenanthrene	11.31	178	205877	6.307 ng		99
71) Anthracene	11.36	178	63671	3.582 ng		98
74) Fluoranthene	12.49	202	240131	13.591 ng		95
77) Pyrene	12.72	202	214561	9.730 ng		98
80) Benzo(a)anthracene	13.91	228	87016	5.320 ng		95
82) Chrysene	13.91	228	87016	5.144 ng		97
83) Bis(2-ethylhexyl)phthalate	13.92	149	26495	2.413 ng	#	92
85) Indeno(1,2,3-cd)pyrene	16.74	276	29753	2.119 ng	#	94
87) Benzo(b)fluoranthene	14.94	252	100772	8.279 ng	#	68
88) Benzo(k)fluoranthene	14.94	252	100772	9.069 ng	#	72
89) Benzo(a)pyrene	15.29	252	49147	4.572 ng	#	62
91) Benzo(g,h,i)perylene	17.17	276	29253	3.343 ng	#	88

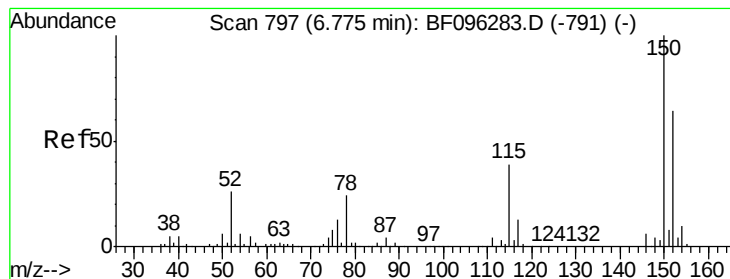
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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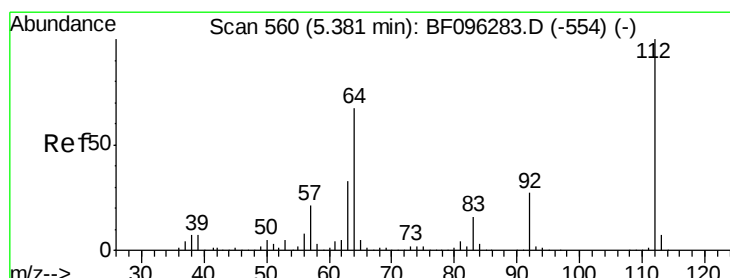
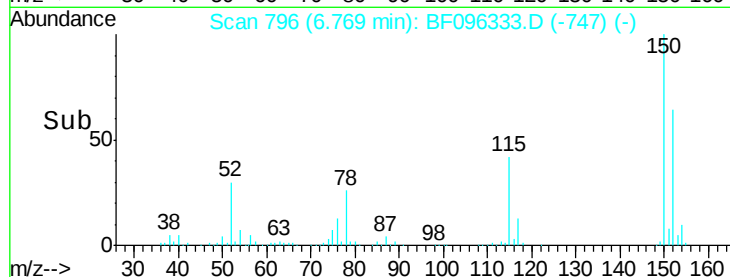
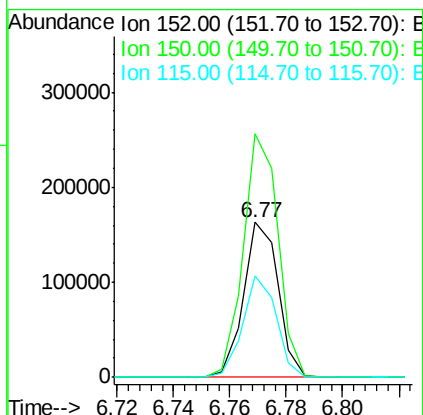
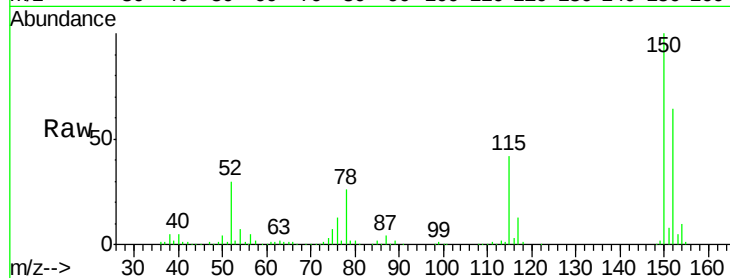




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.77 min Scan# 796
 Delta R.T. -0.01 min
 Lab File: BF096333.D
 Acq: 30 Jun 2017 13:19

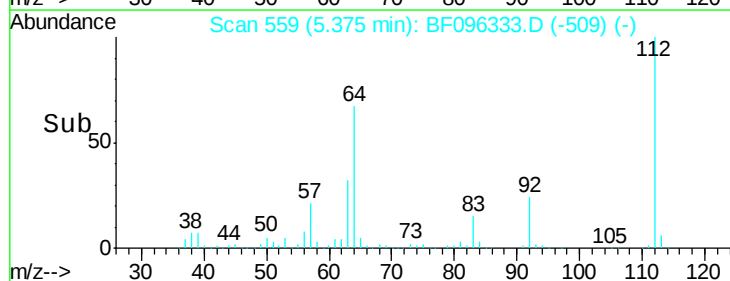
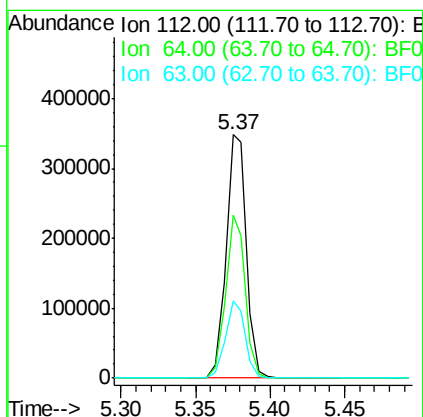
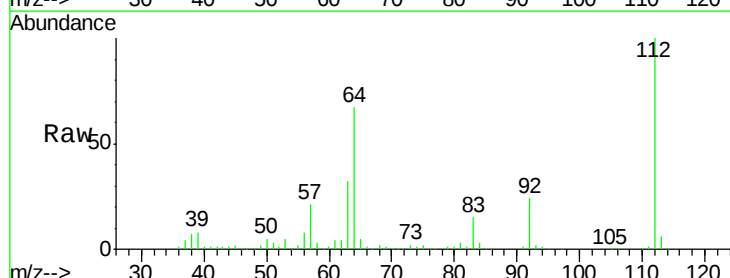
Instrument :
 BNA_F
 ClientSampleId :
 G44-1.5-3

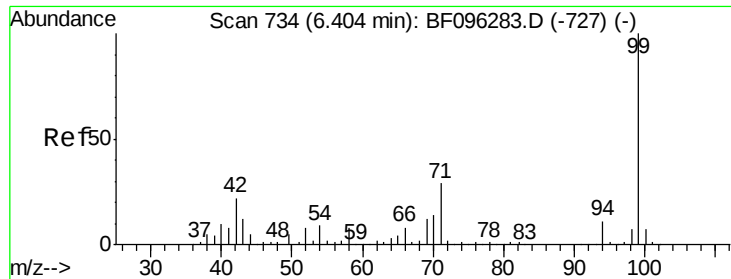
Tgt Ion:152 Resp: 138638
 Ion Ratio Lower Upper
 152 100
 150 157.0 126.2 189.2
 115 65.8 52.2 78.2



#5
 2-Fluorophenol
 Concen: 34.724 ng
 RT: 5.37 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: BF096333.D
 Acq: 30 Jun 2017 13:19

Tgt Ion:112 Resp: 334149
 Ion Ratio Lower Upper
 112 100
 64 66.9 46.0 69.0
 63 31.7 23.4 35.0





#7

Phenol-d6

Concen: 89.328 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

Instrument :

BNA_F

ClientSampleId :

G44-1.5-3

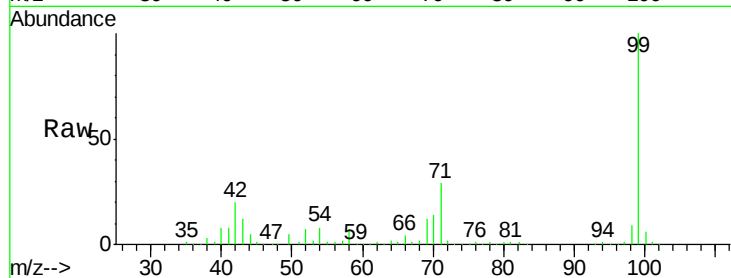
Tgt Ion: 99 Resp: 1040886

Ion Ratio Lower Upper

99 100

42 20.3 13.5 20.3#

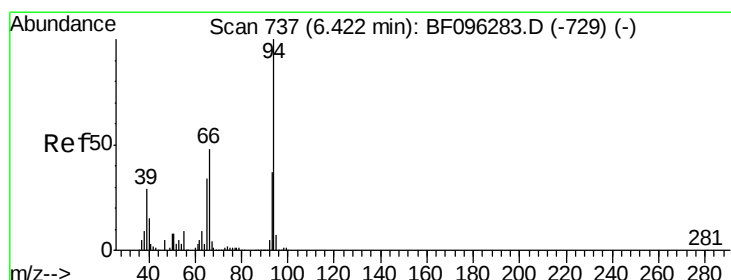
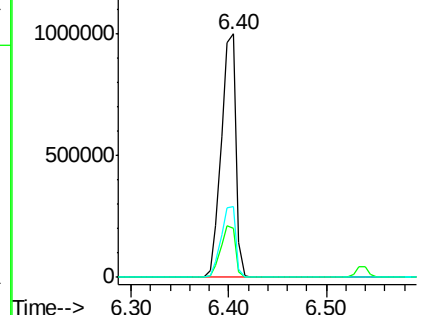
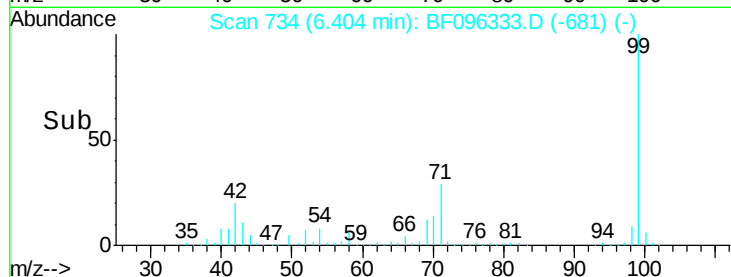
71 29.0 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.057 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.01 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

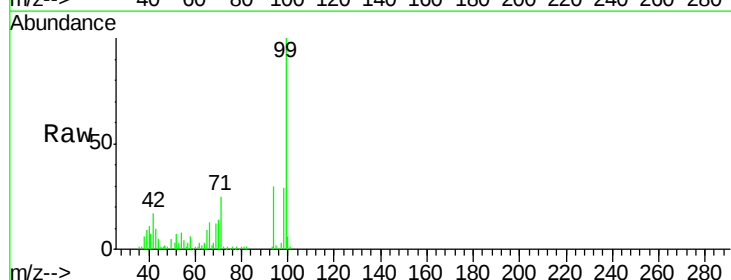
Tgt Ion: 94 Resp: 26355

Ion Ratio Lower Upper

94 100

65 29.7 9.9 49.9

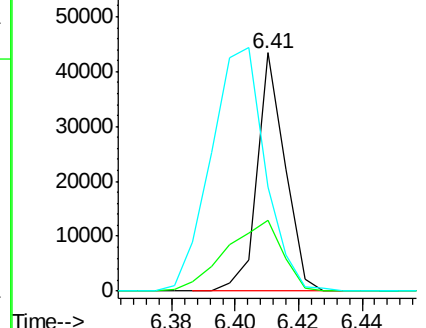
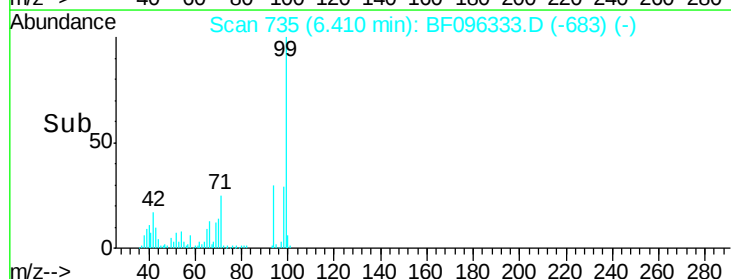
66 43.9 23.1 63.1

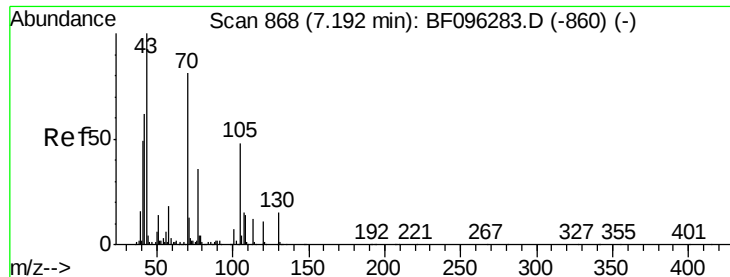


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

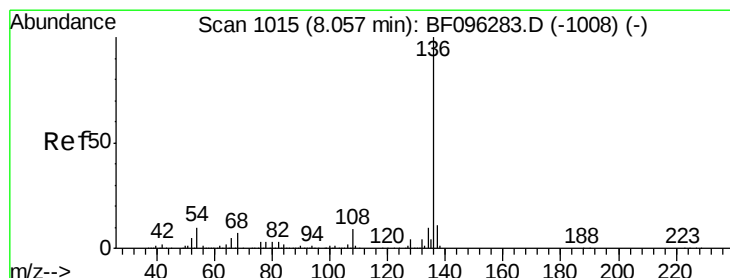
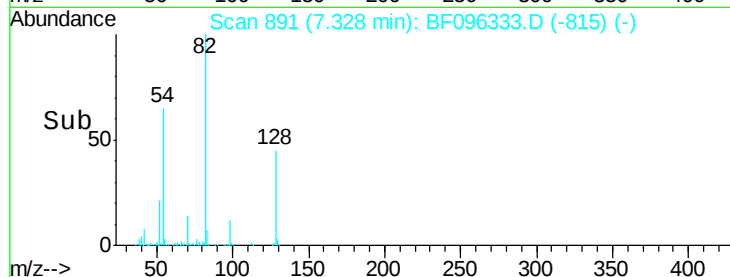
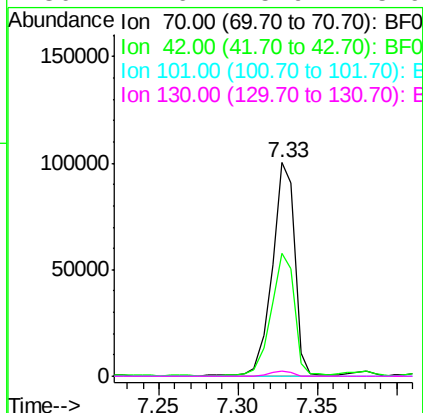
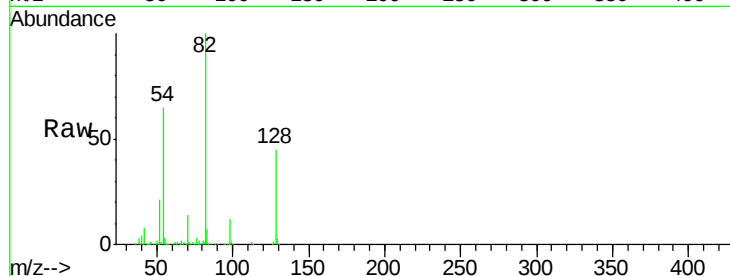




#19
n-Nitroso-di-n-propylamine
Concen: 14.332 ng
RT: 7.33 min Scan# 891
Delta R.T. 0.15 min
Lab File: BF096333.D
Acq: 30 Jun 2017 13:19

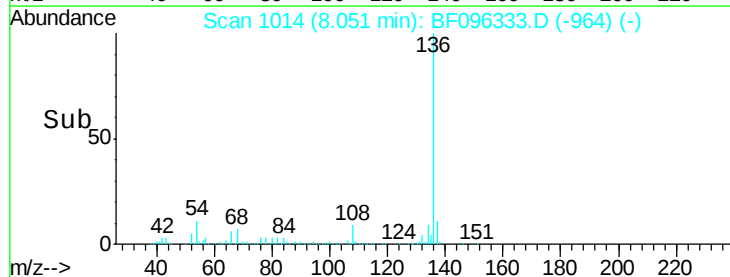
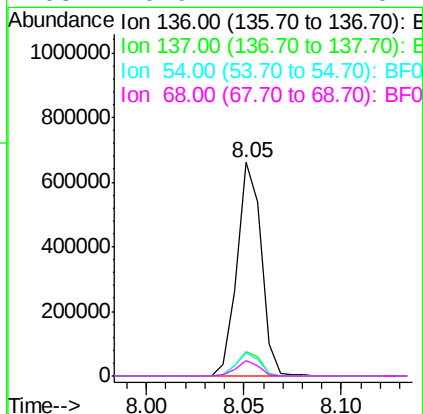
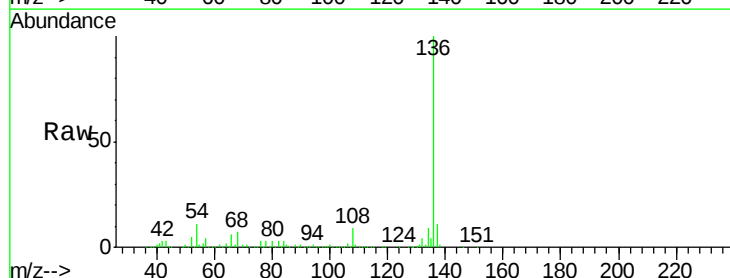
Instrument :
BNA_F
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G44-1.5-3

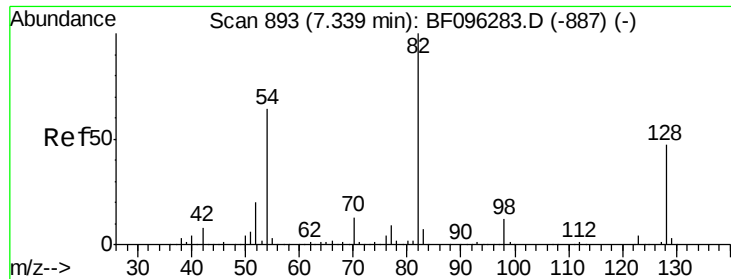
Tgt Ion: 70 Resp: 100049
Ion Ratio Lower Upper
70 100
42 57.6 47.2 70.8
101 0.0 7.2 10.8#
130 2.6 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BF096333.D
Acq: 30 Jun 2017 13:19

Tgt Ion: 136 Resp: 568078
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 11.1 4.9 7.3#
68 6.9 4.1 6.1#

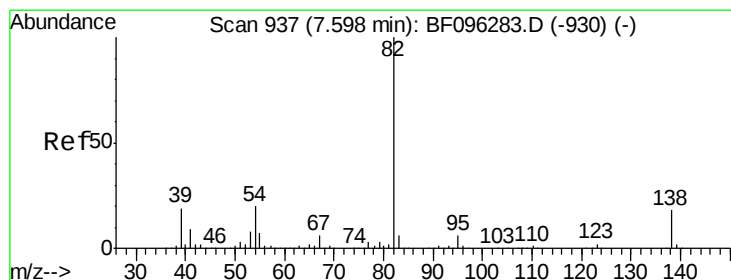
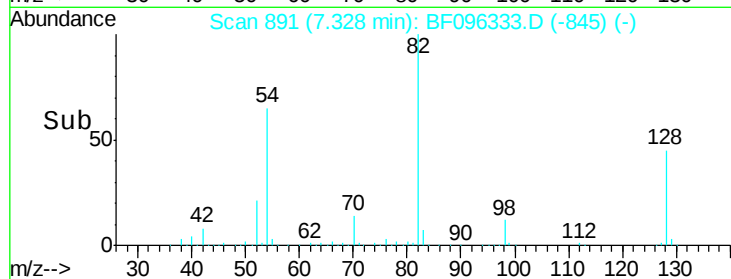
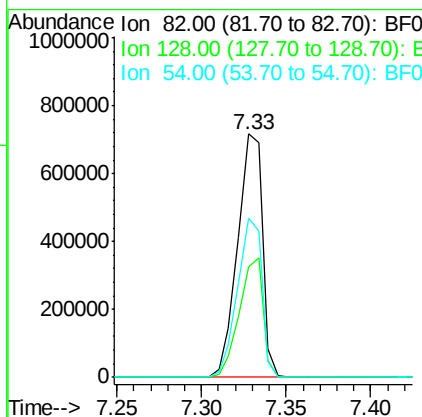
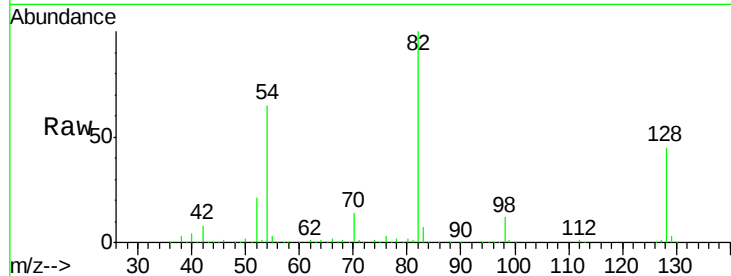




#23
 Nitrobenzene-d5
 Concen: 89.587 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.03 min
 Lab File: BF096333.D
 Acq: 30 Jun 2017 13:19

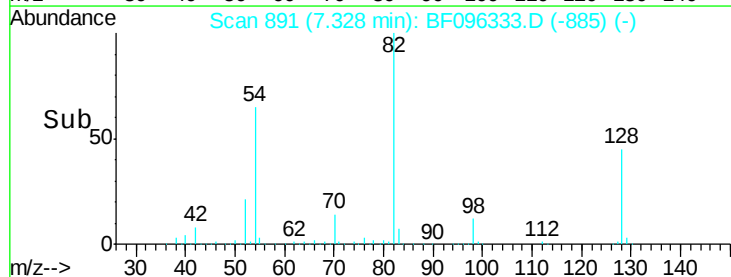
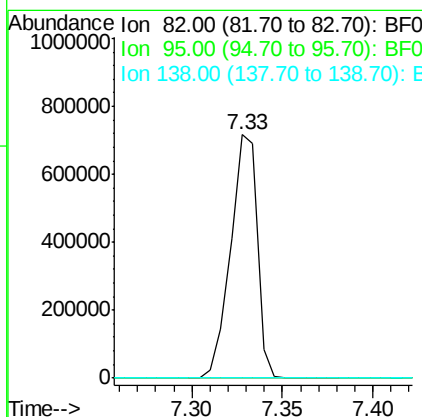
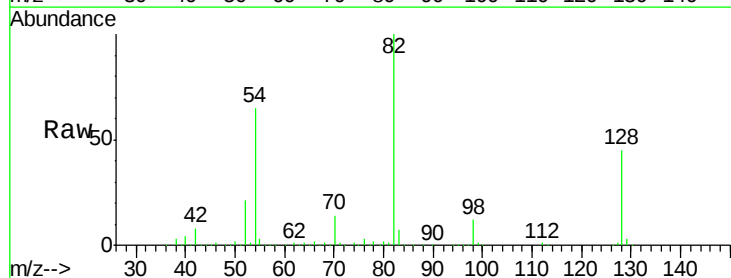
Instrument :
 BNA_F
 ClientSampleId :
 G44-1.5-3

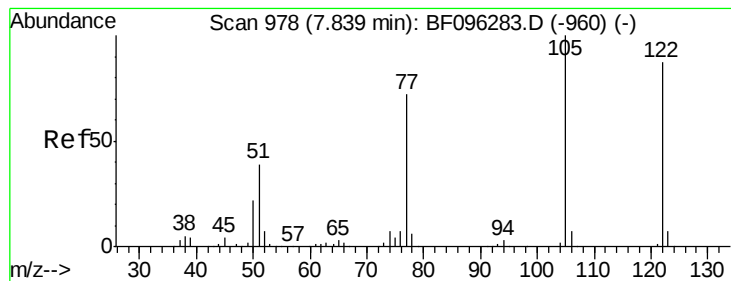
Tgt Ion: 82 Resp: 735166
 Ion Ratio Lower Upper
 82 100
 128 45.3 34.0 51.0
 54 65.3 42.2 63.2#



#25
 Isophorone
 Concen: 39.447 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.26 min
 Lab File: BF096333.D
 Acq: 30 Jun 2017 13:19

Tgt Ion: 82 Resp: 735157
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.3 7.9#
 138 0.0 13.1 19.7#





#32

Benzoic acid

Concen: 10.610 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.13 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

Instrument :

BNA_F

ClientSampleId :

G44-1.5-3

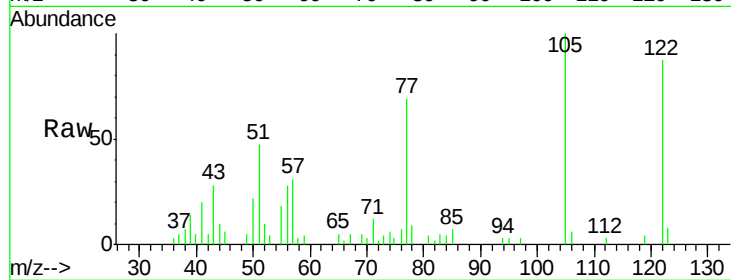
Tgt Ion:122 Resp: 13305

Ion Ratio Lower Upper

122 100

105 114.7 103.3 143.3

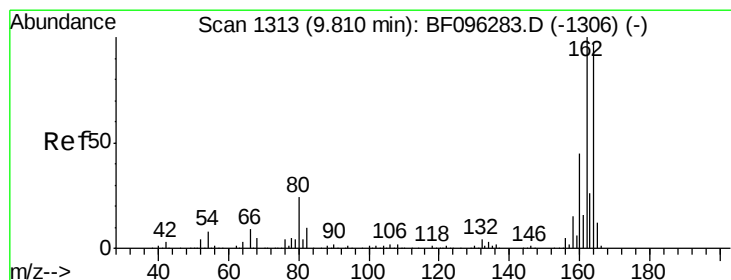
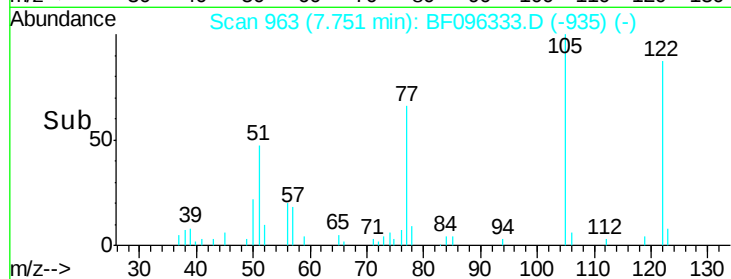
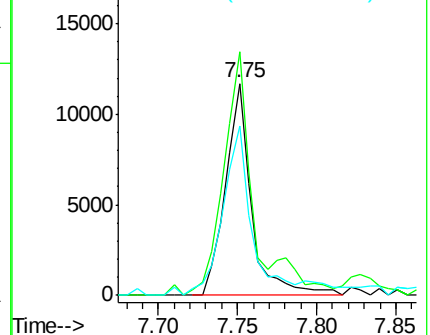
77 79.5 73.7 113.7



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: BF096333.D

Acq: 30 Jun 2017 13:19

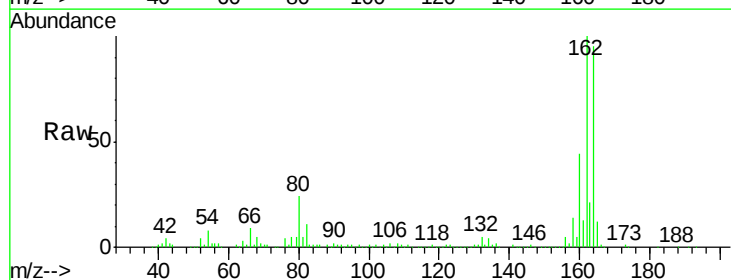
Tgt Ion:164 Resp: 217990

Ion Ratio Lower Upper

164 100

162 105.0 82.6 123.8

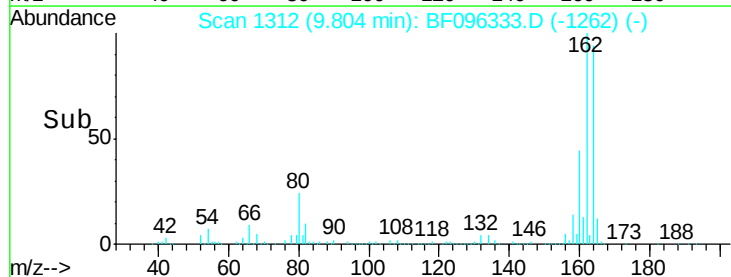
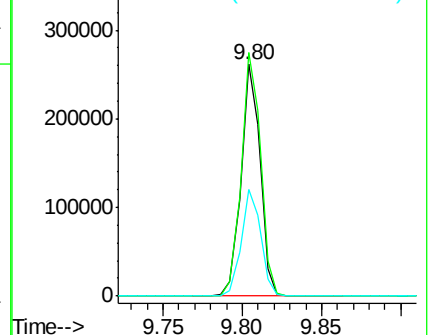
160 46.1 36.2 54.2

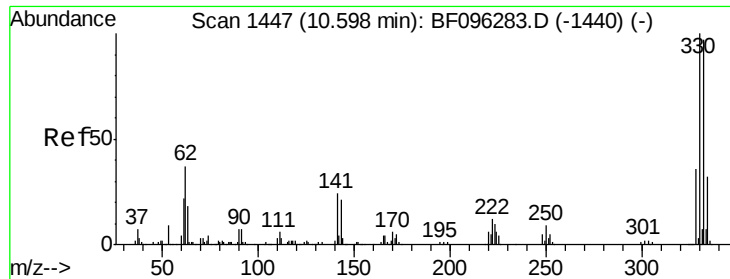


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

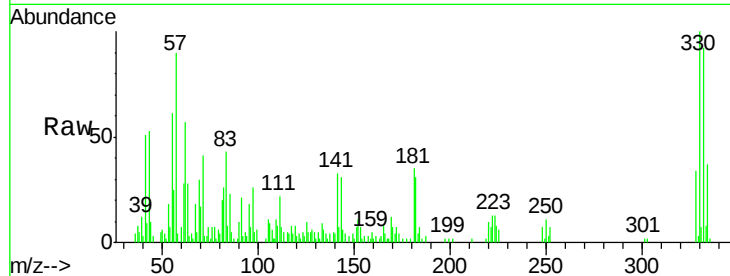




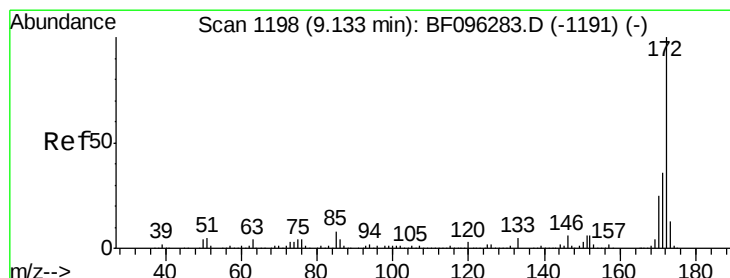
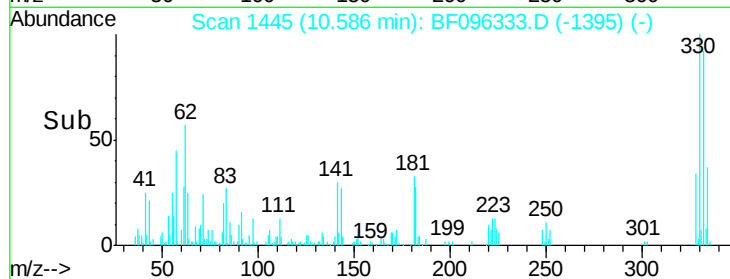
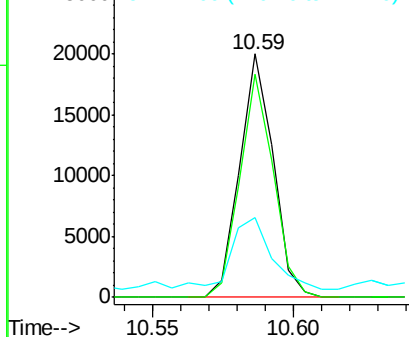
#41
 2,4,6-Tribromophenol
 Concen: 9.586 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF096333.D
 Acq: 30 Jun 2017 13:19

Instrument :
 BNA_F
 ClientSampled :
 G44-1.5-3

Tgt Ion:330 Resp: 16446
 Ion Ratio Lower Upper
 330 100
 332 92.2 76.6 115.0
 141 33.4 31.4 47.2

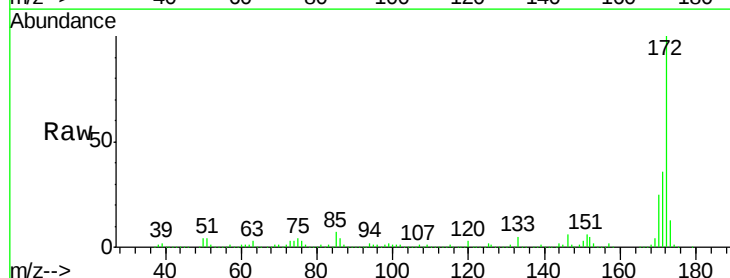


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

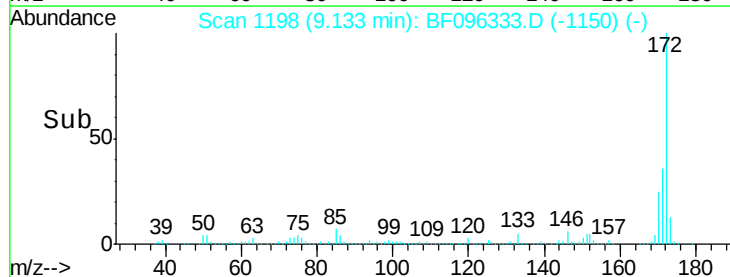
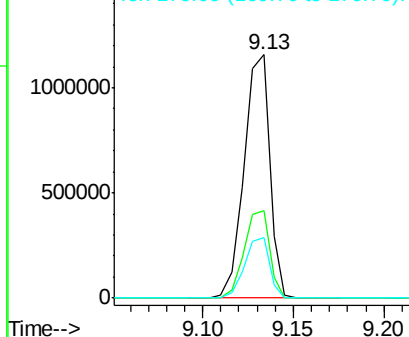


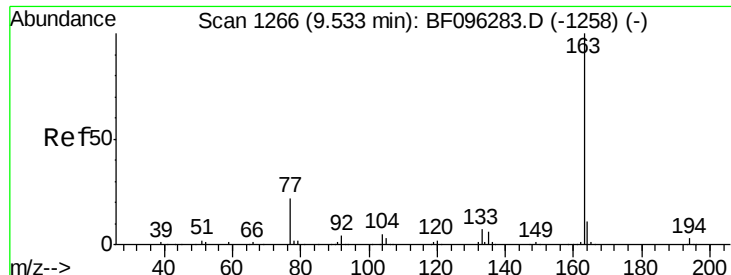
#44
 2-Fluorobiphenyl
 Concen: 95.330 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: BF096333.D
 Acq: 30 Jun 2017 13:19

Tgt Ion:172 Resp: 1134725
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.6 44.4
 170 24.7 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

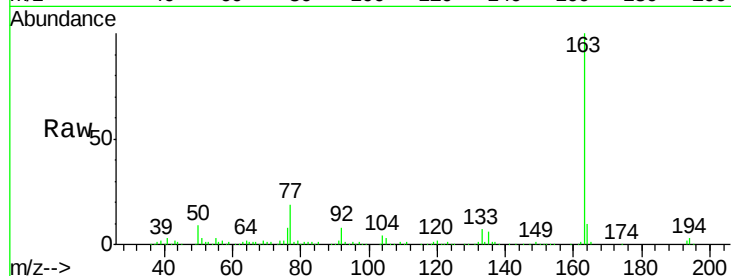




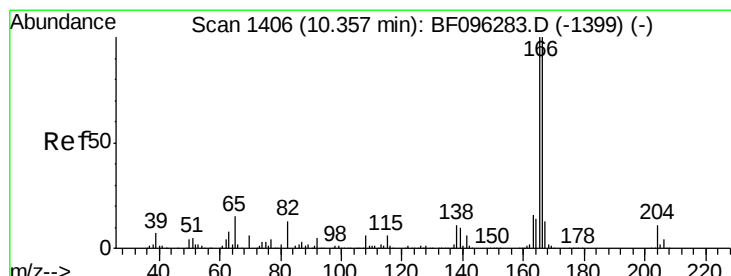
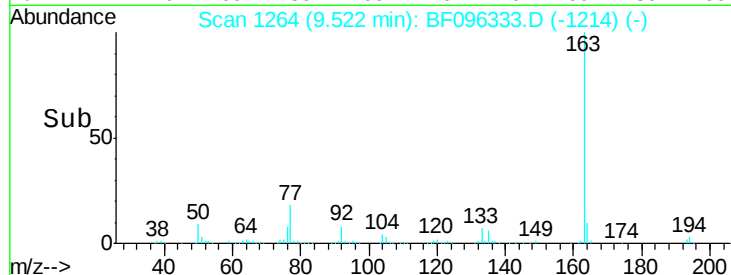
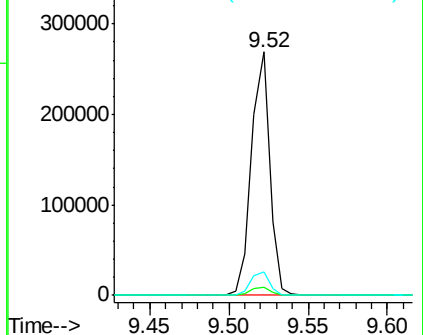
#49
Dimethylphthalate
Concen: 13.869 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF096333.D
Acq: 30 Jun 2017 13:19

Instrument :
BNA_F
ClientSampleId :
G44-1.5-3

Tgt Ion:163 Resp: 216364
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 9.8 8.4 12.6

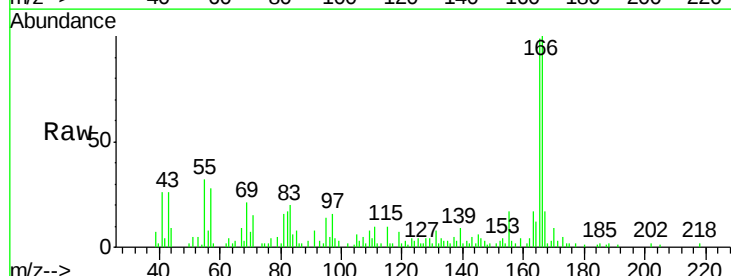


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

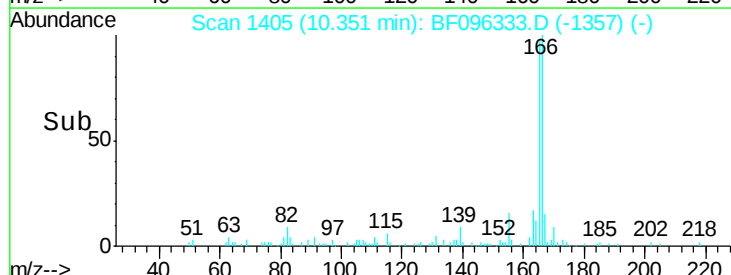
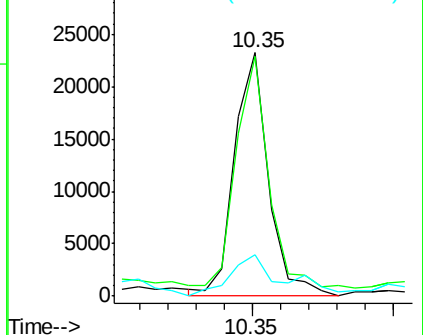


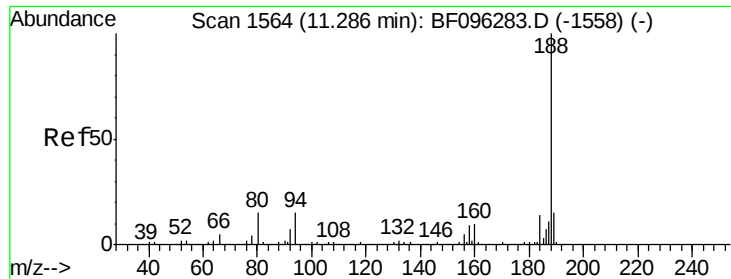
#57
Fluorene
Concen: Below Cal
RT: 10.35 min Scan# 1405
Delta R.T. -0.02 min
Lab File: BF096333.D
Acq: 30 Jun 2017 13:19

Tgt Ion:166 Resp: 19510
Ion Ratio Lower Upper
166 100
165 98.7 78.8 118.2
167 16.8 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

Instrument :

BNA_F

ClientSampleId :

G44-1.5-3

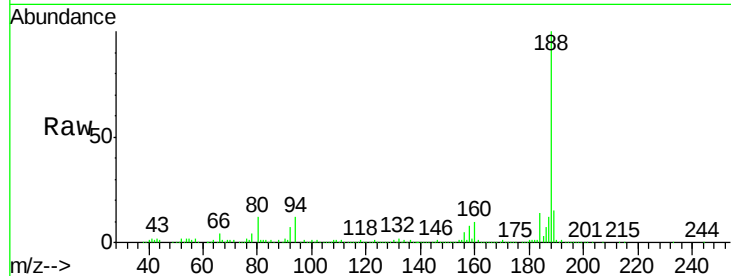
Tgt Ion:188 Resp: 318068

Ion Ratio Lower Upper

188 100

94 12.3 9.4 14.2

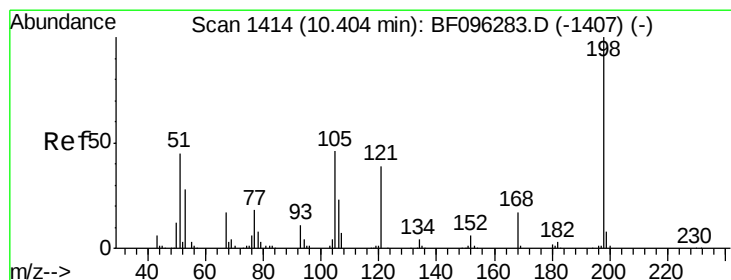
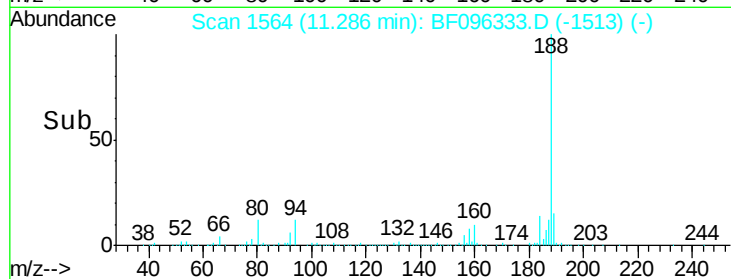
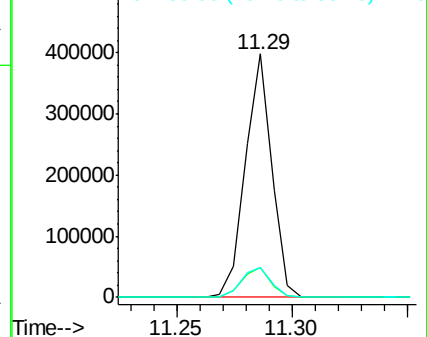
80 12.5 10.2 15.2



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



#64

4,6-Dinitro-2-methylphenol

Concen: 9.034 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.21 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

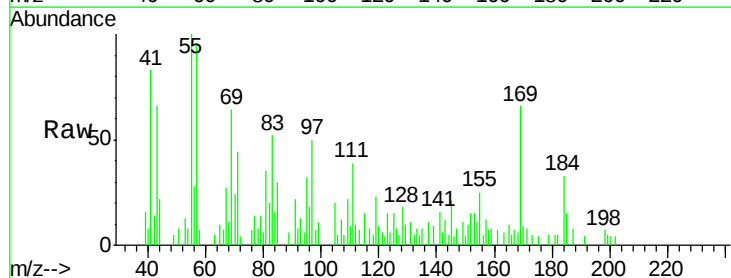
Tgt Ion:198 Resp: 578

Ion Ratio Lower Upper

198 100

51 113.0 53.2 93.2#

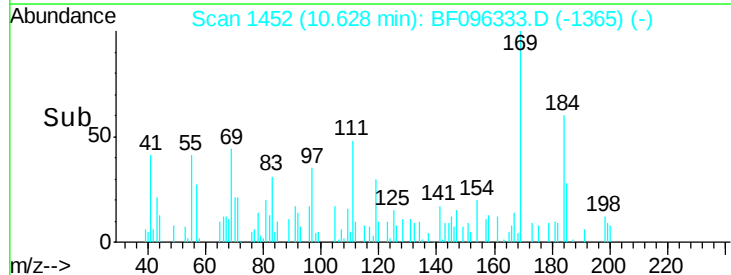
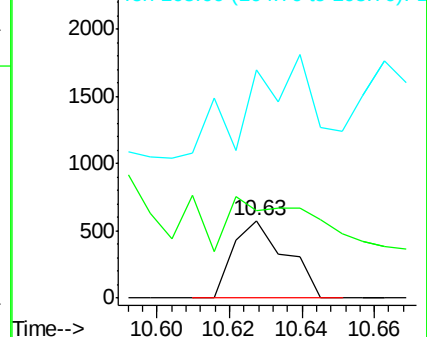
105 294.8 45.8 85.8#

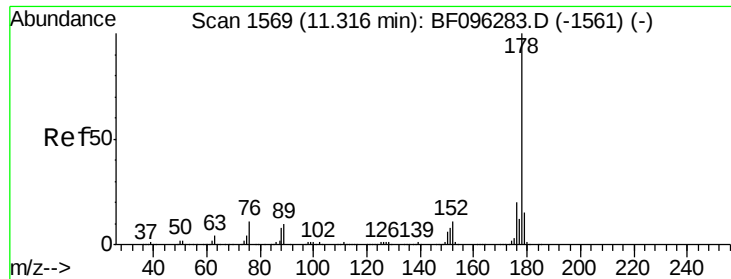


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

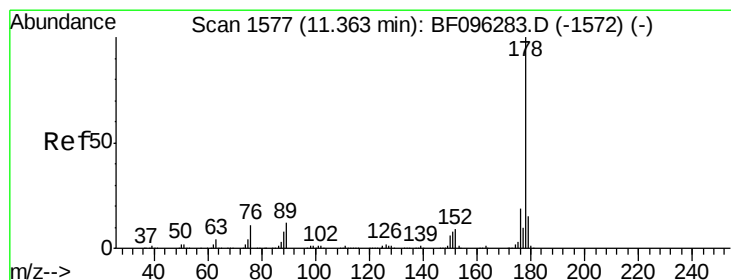
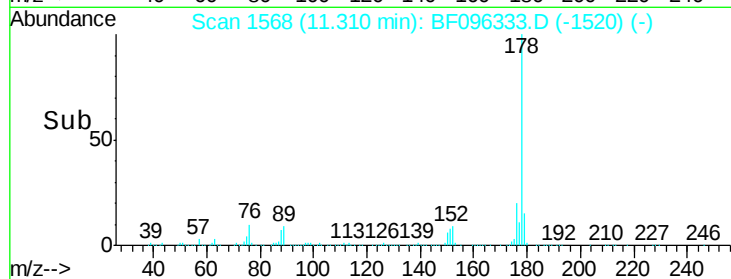
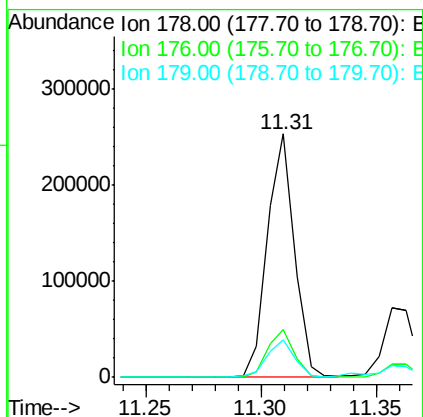
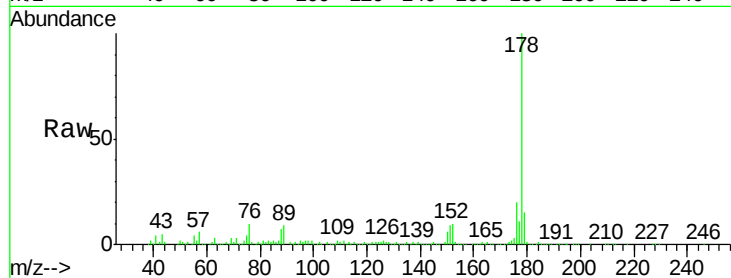




#70
Phenanthrene
Concen: 6.307 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF096333.D
Acq: 30 Jun 2017 13:19

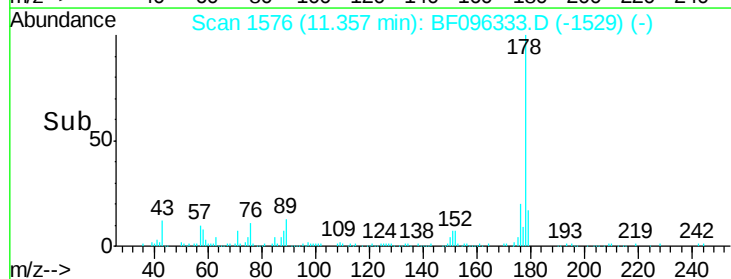
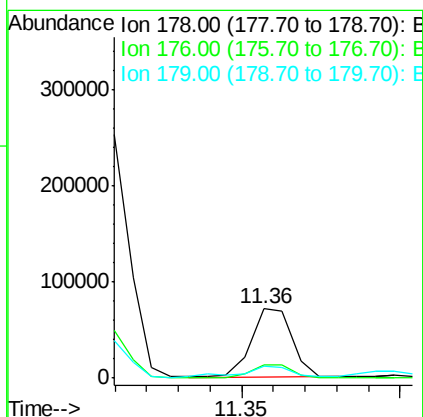
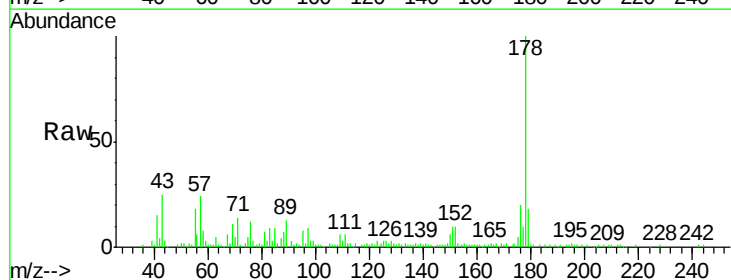
Instrument :
BNA_F
ClientSampleId :
G44-1.5-3

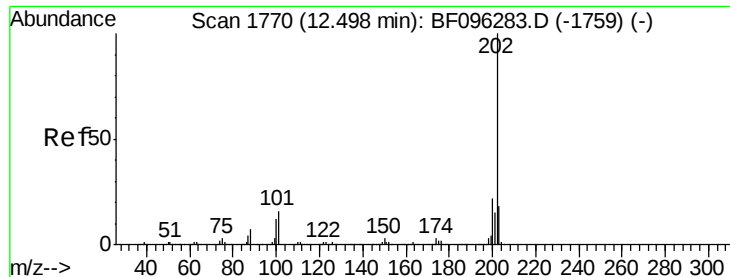
Tgt Ion:178 Resp: 205877
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.4
179 15.4 12.6 19.0



#71
Anthracene
Concen: 3.582 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.02 min
Lab File: BF096333.D
Acq: 30 Jun 2017 13:19

Tgt Ion:178 Resp: 63671
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 17.6 12.7 19.1





#74

Fluoranthene

Concen: 13.591 ng

RT: 12.49 min Scan# 1769

Delta R.T. -0.00 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

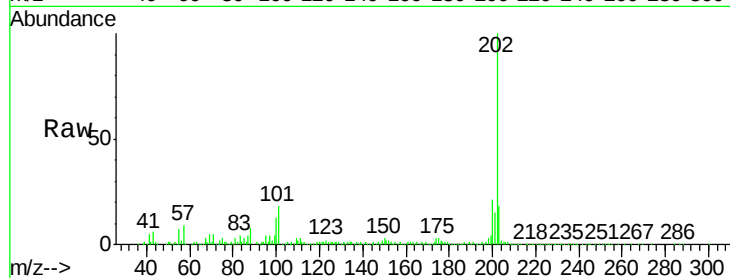
Instrument :

BNA_F

ClientSampleId :

G44-1.5-3

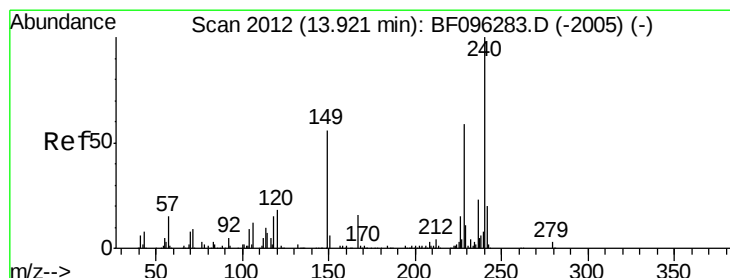
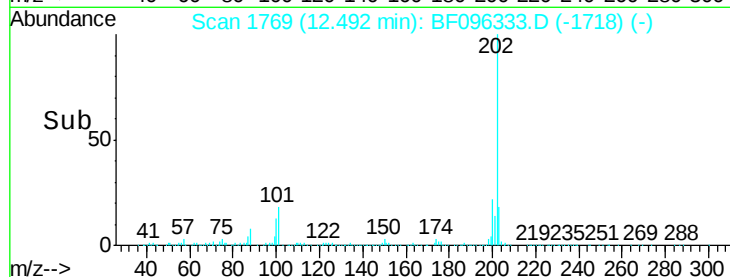
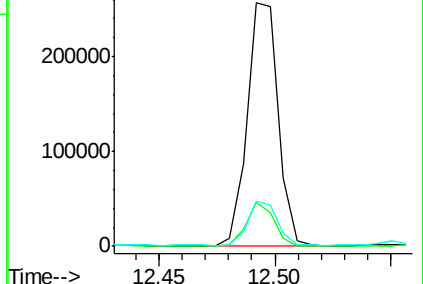
Tgt Ion:	202	Resp:	240131
Ion Ratio	Lower	Upper	
202	100		
101	18.0	0.0	33.2
203	18.3	0.0	38.1



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: 20.000 ng

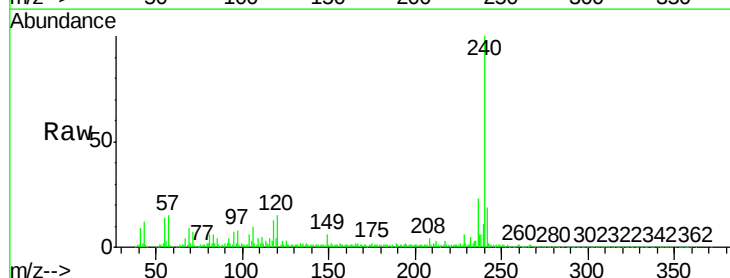
RT: 13.92 min Scan# 2012

Delta R.T. 0.01 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

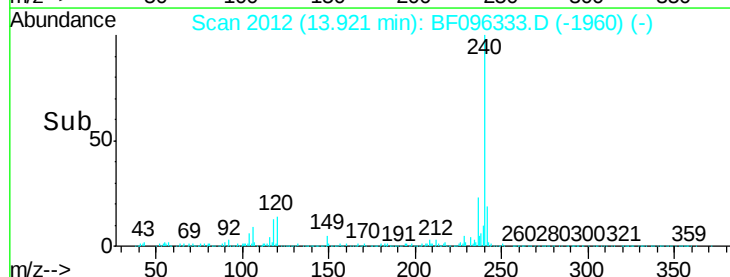
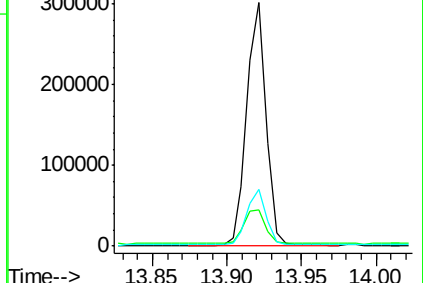
Tgt Ion:	240	Resp:	268336
Ion Ratio	Lower	Upper	
240	100		
120	14.9	5.8	8.8#
236	23.5	20.5	30.7

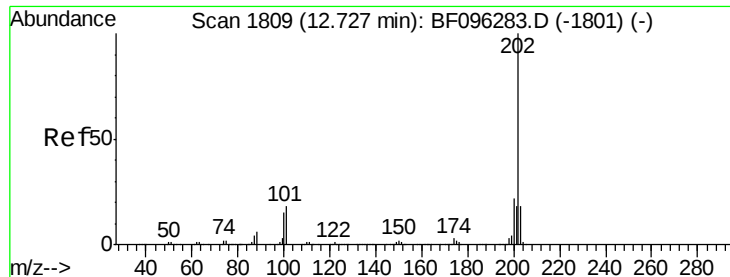


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 9.730 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

Instrument :

BNA_F

ClientSampleId :

G44-1.5-3

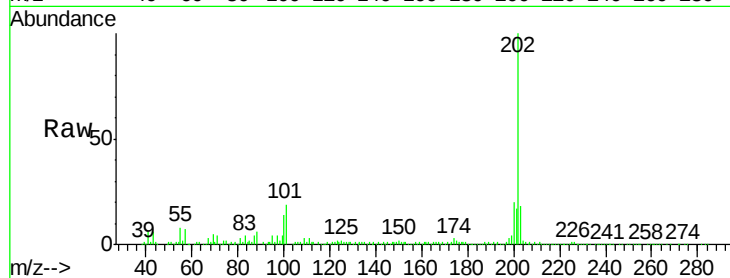
Tgt Ion:202 Resp: 214561

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

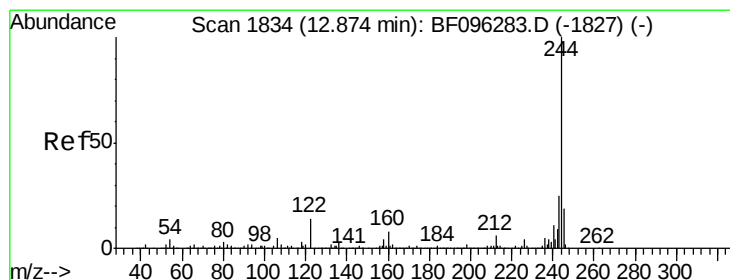
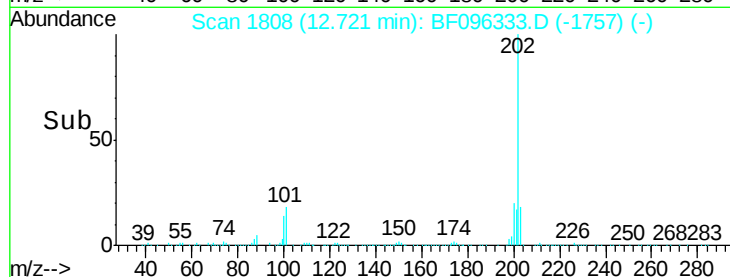
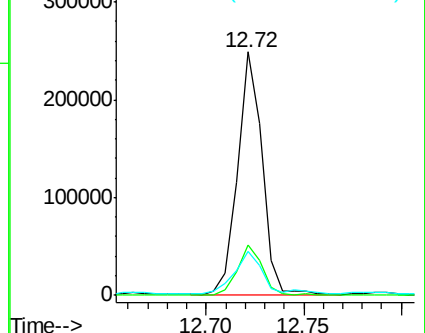
203 18.3 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 71.945 ng

RT: 12.87 min Scan# 1834

Delta R.T. 0.01 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

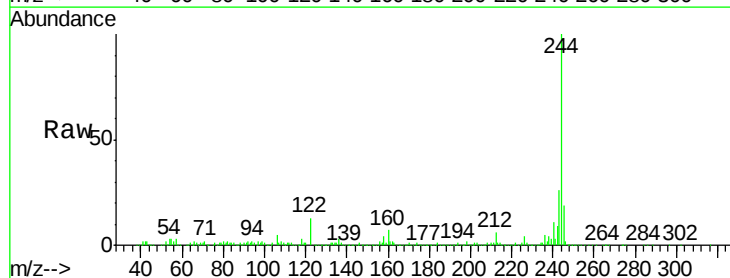
Tgt Ion:244 Resp: 773676

Ion Ratio Lower Upper

244 100

212 6.2 6.0 9.0

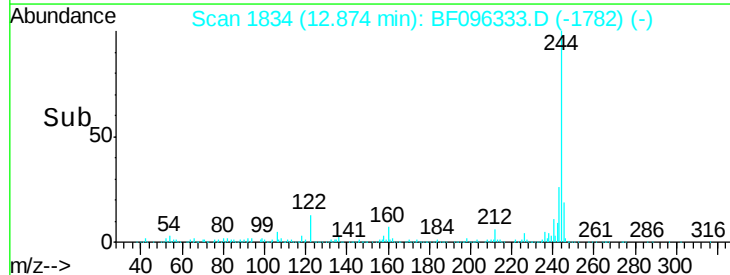
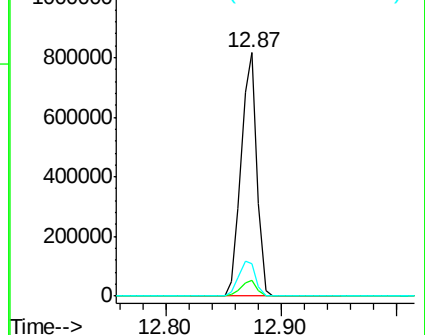
122 13.4 10.3 15.5

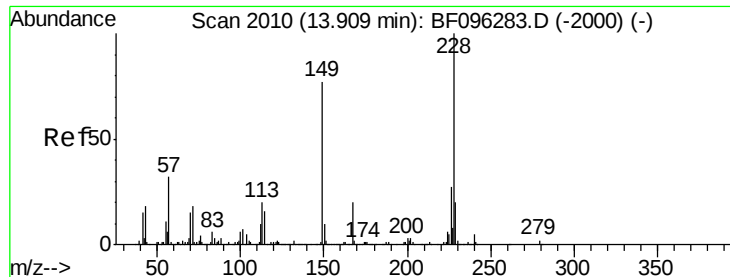


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.320 ng

RT: 13.91 min Scan# 2010

Delta R.T. 0.01 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

Instrument :

BNA_F

ClientSampleId :

G44-1.5-3

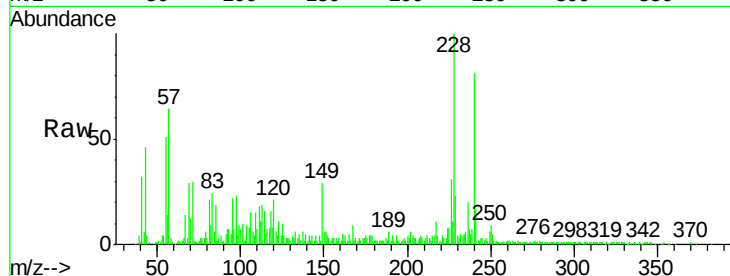
Tgt Ion:228 Resp: 87016

Ion Ratio Lower Upper

228 100

226 30.9 22.6 33.8

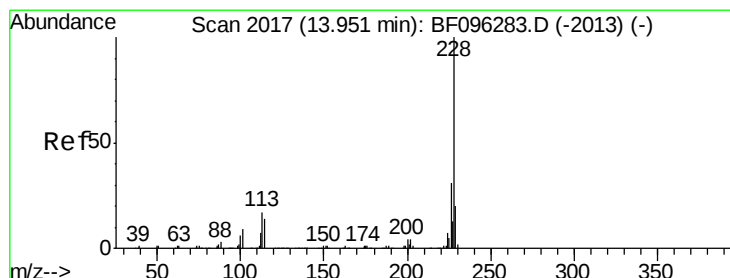
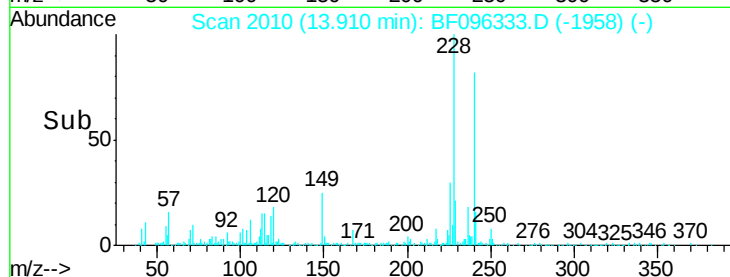
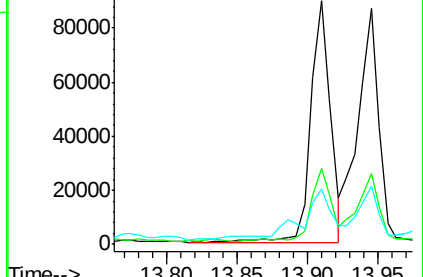
229 22.5 16.3 24.5



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: 5.144 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.03 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

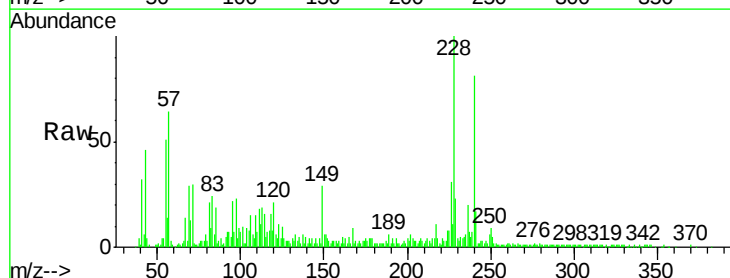
Tgt Ion:228 Resp: 87016

Ion Ratio Lower Upper

228 100

226 30.9 24.9 37.3

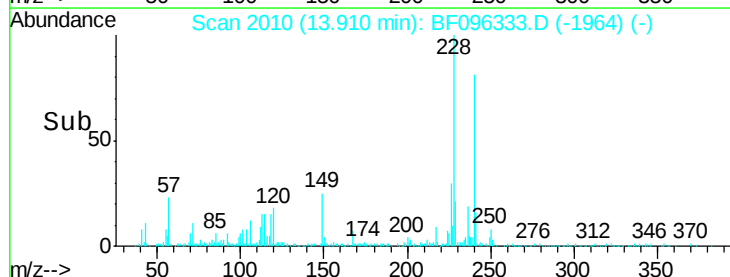
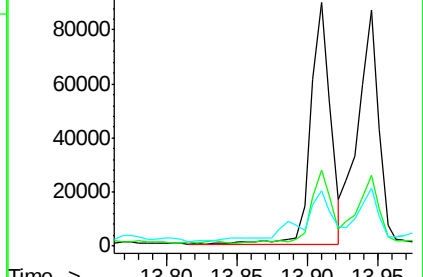
229 22.5 15.8 23.6

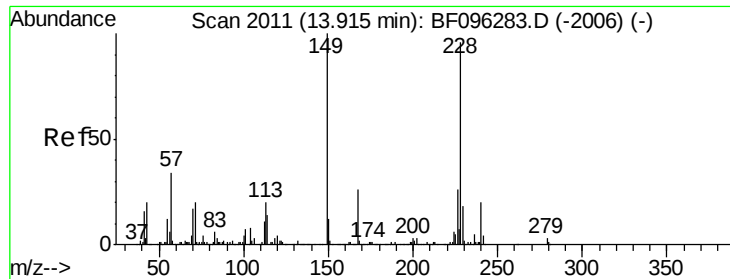


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

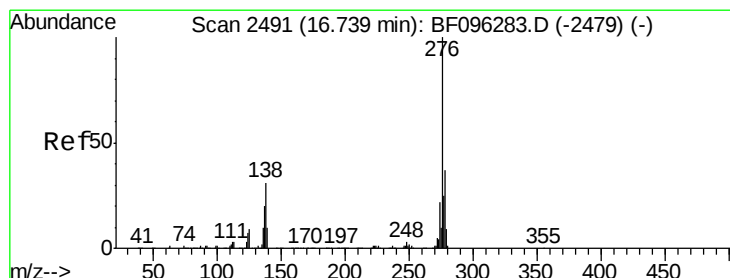
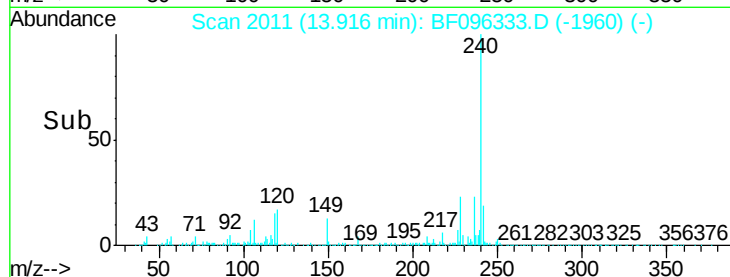
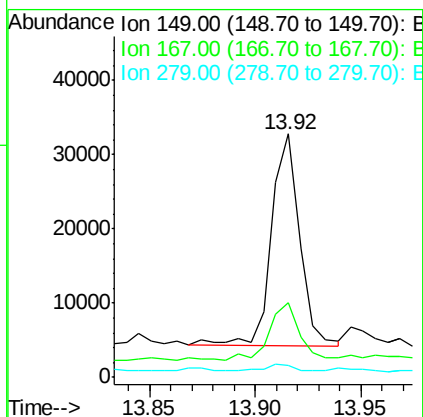
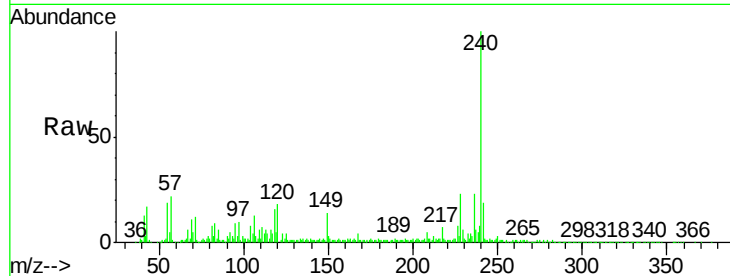




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.413 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. -0.00 min
 Lab File: BF096333.D
 Acq: 30 Jun 2017 13:19

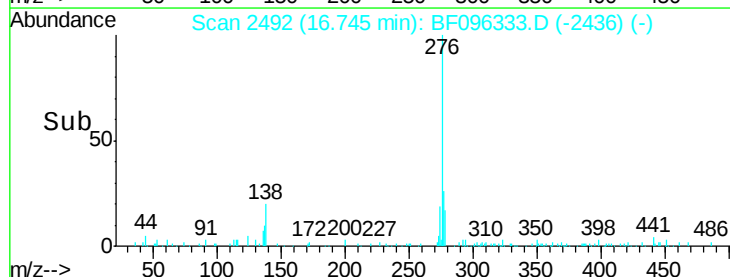
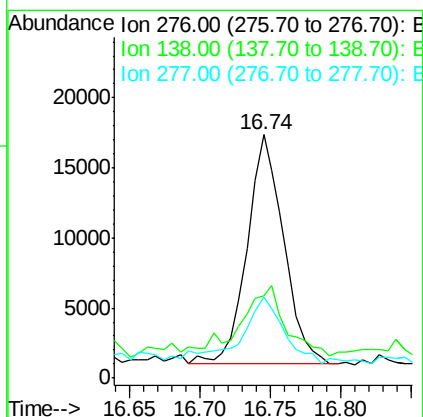
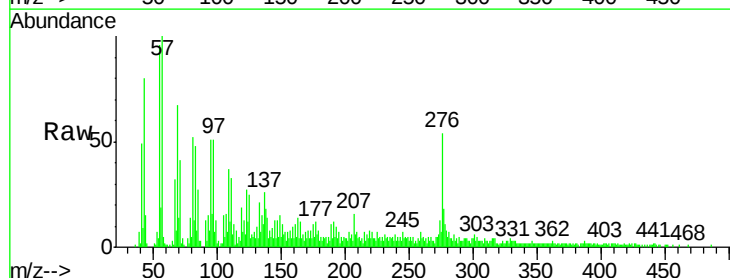
Instrument :
 BNA_F
 ClientSampleId :
 G44-1.5-3

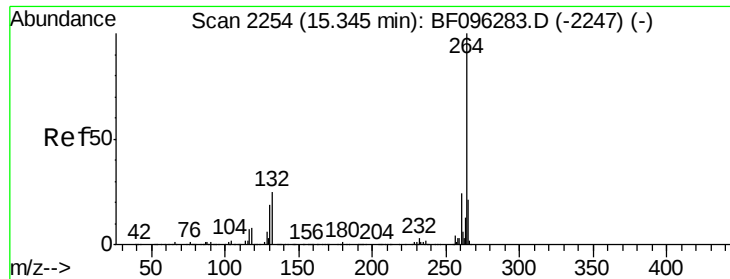
Tgt Ion:149 Resp: 26495
 Ion Ratio Lower Upper
 149 100
 167 30.6 21.0 31.4
 279 4.8 1.9 2.9#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.119 ng
 RT: 16.74 min Scan# 2492
 Delta R.T. 0.03 min
 Lab File: BF096333.D
 Acq: 30 Jun 2017 13:19

Tgt Ion:276 Resp: 29753
 Ion Ratio Lower Upper
 276 100
 138 36.4 27.8 41.6
 277 30.6 20.2 30.4#

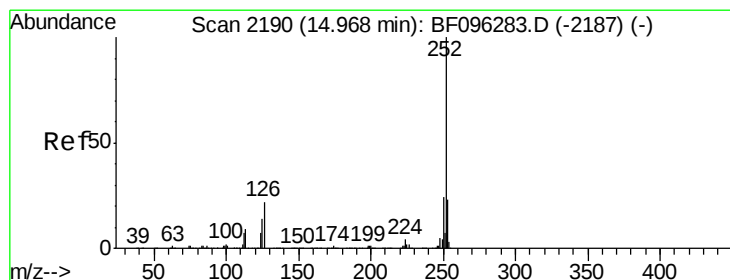
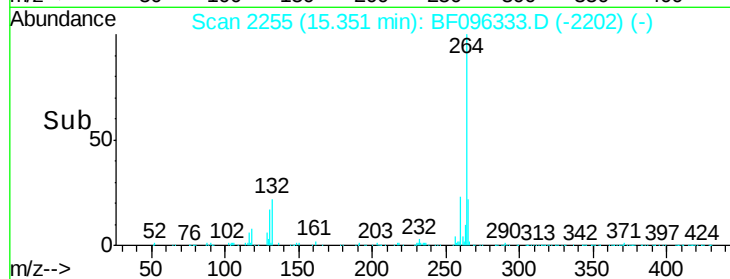
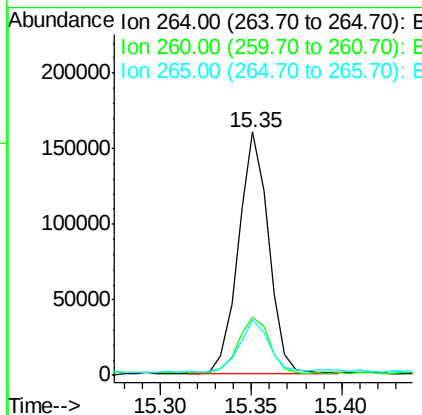
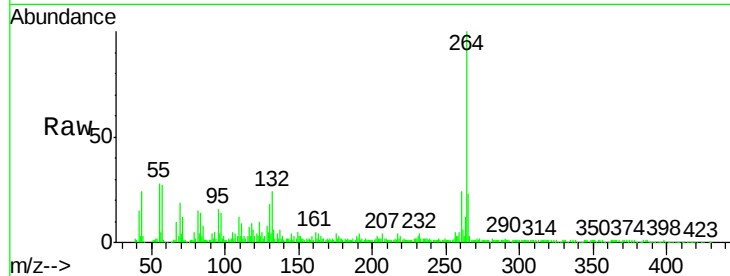




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.01 min
Lab File: BF096333.D
Acq: 30 Jun 2017 13:19

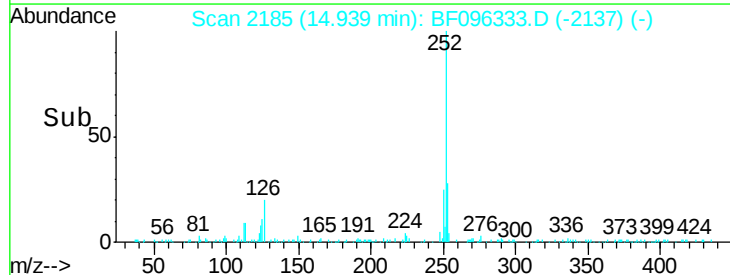
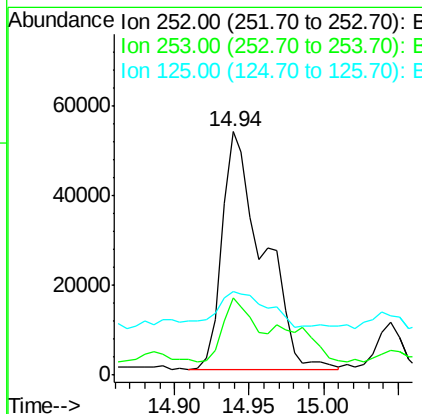
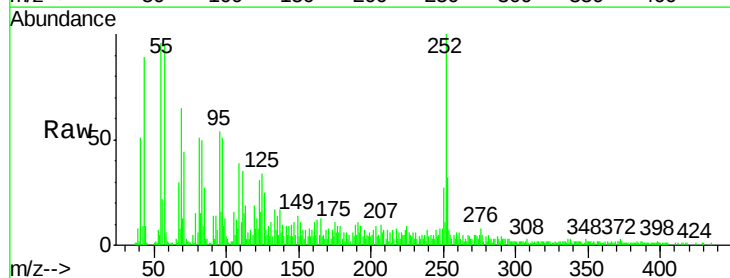
Instrument :
BNA_F
ClientSampleId :
G44-1.5-3

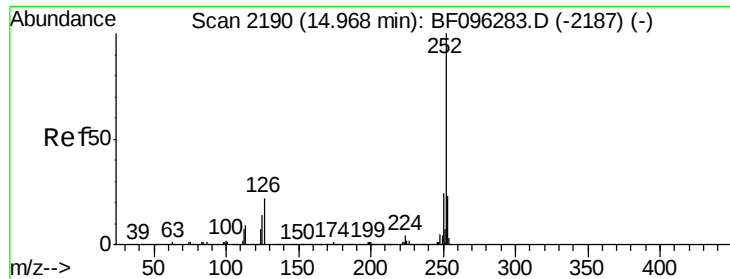
Tgt Ion:264 Resp: 185286
Ion Ratio Lower Upper
264 100
260 23.9 19.5 29.3
265 22.8 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 8.279 ng
RT: 14.94 min Scan# 2185
Delta R.T. -0.02 min
Lab File: BF096333.D
Acq: 30 Jun 2017 13:19

Tgt Ion:252 Resp: 100772
Ion Ratio Lower Upper
252 100
253 31.7 18.1 27.1#
125 34.3 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 9.069 ng

RT: 14.94 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

Instrument :

BNA_F

ClientSampleId :

G44-1.5-3

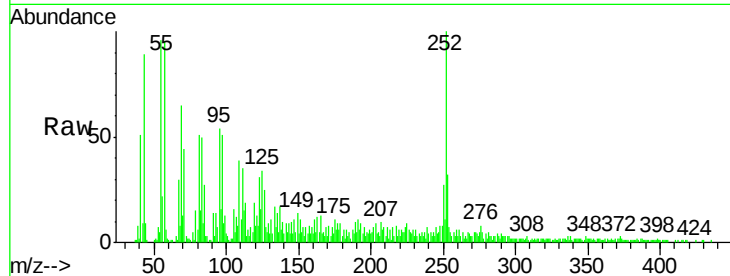
Tgt Ion:252 Resp: 100772

Ion Ratio Lower Upper

252 100

253 31.7 18.4 27.6#

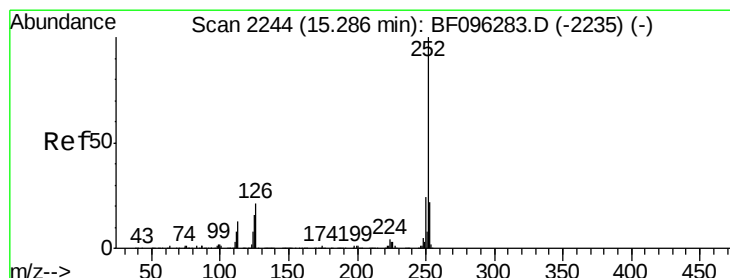
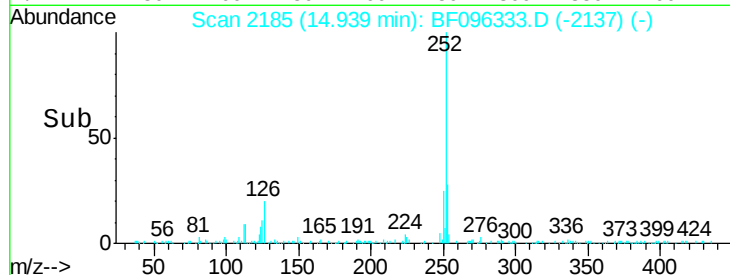
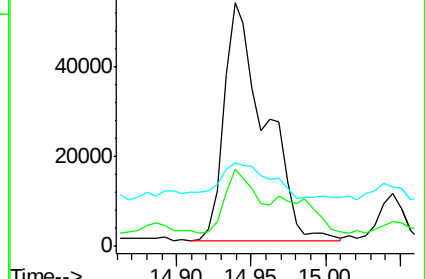
125 34.3 13.1 19.7#



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



#89

Benzo(a)pyrene

Concen: 4.572 ng

RT: 15.29 min Scan# 2245

Delta R.T. 0.02 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

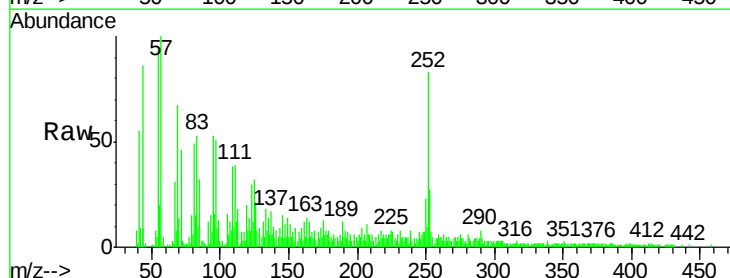
Tgt Ion:252 Resp: 49147

Ion Ratio Lower Upper

252 100

253 32.6 17.5 26.3#

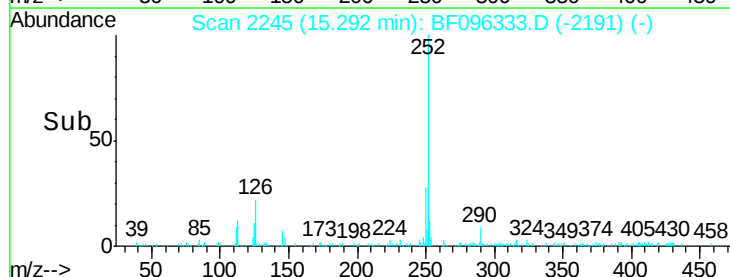
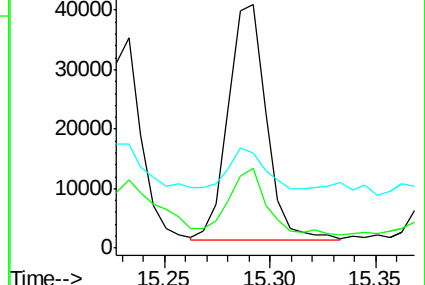
125 38.9 11.0 16.4#

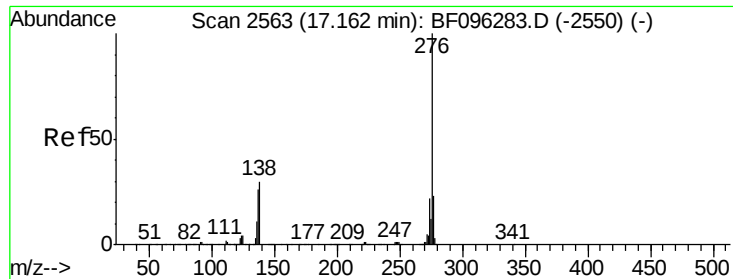


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 3.343 ng

RT: 17.17 min Scan# 2564

Delta R.T. 0.04 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

Instrument :

BNA_F

ClientSampleId :

G44-1.5-3

Tgt Ion: 276 Resp: 29253

Ion Ratio Lower Upper

276 100

277 29.2 18.6 28.0#

138 38.3 25.4 38.0#

