

Data Path : Z:\HPCHEM1\BNA F\Data\BF040717\
 Data File : BF094269.D
 Acq On : 7 Apr 2017 13:27
 Operator : SJ/MA
 Sample : I2582-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-2

Quant Time: Apr 07 14:25:18 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

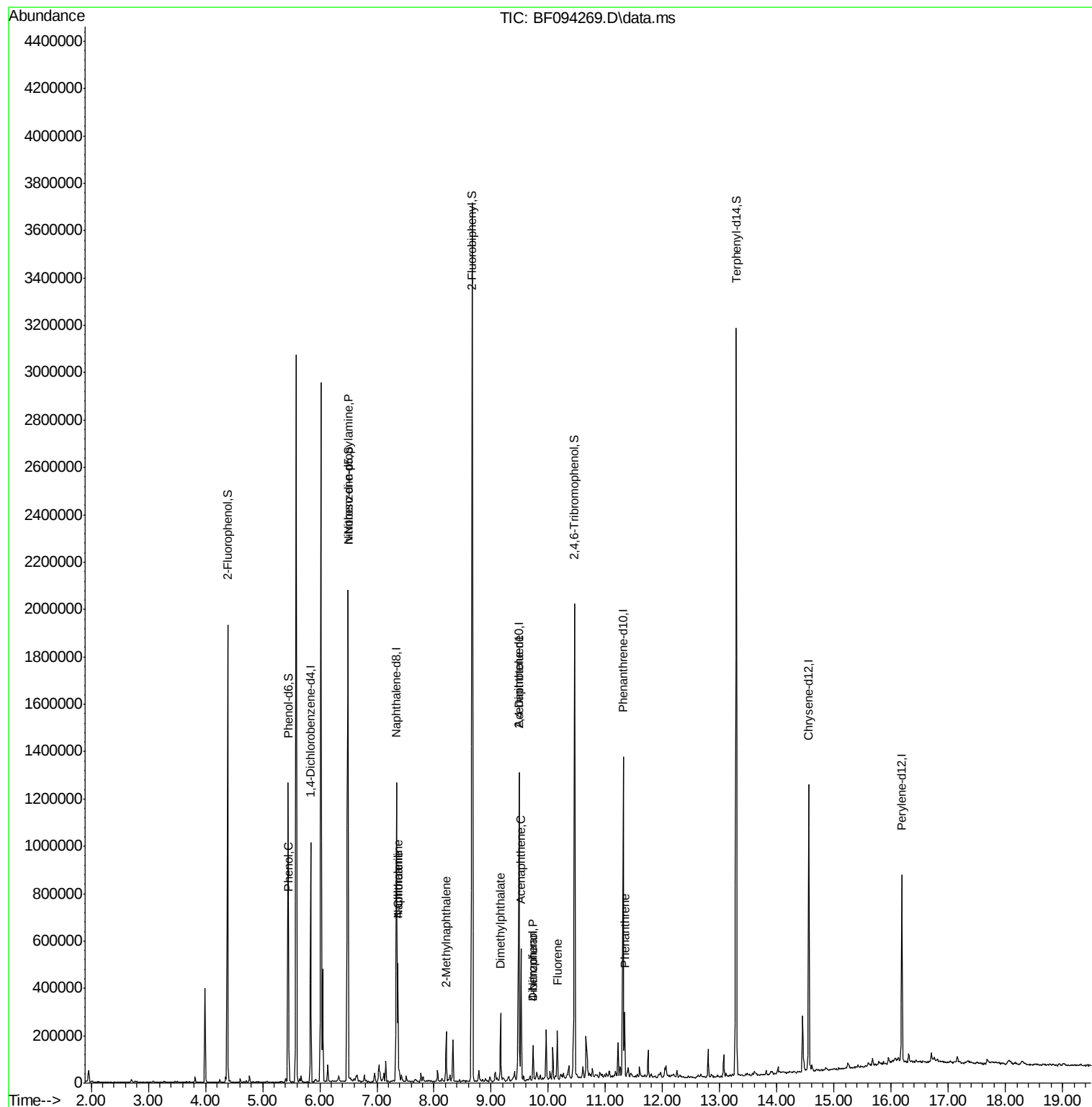
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.845	152	169952	20.00	ng	-0.01
21) Naphthalene-d8	7.345	136	679267	20.00	ng	-0.02
38) Acenaphthene-d10	9.486	164	316086	20.00	ng	-0.01
63) Phenanthrene-d10	11.310	188	556185	20.00	ng	-0.01
75) Chrysene-d12	14.556	240	455621	20.00	ng	-0.02
86) Perylene-d12	16.186	264	300513	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.387	112	550324	54.69	ng	0.00
7) Phenol-d6	5.445	99	433282	34.81	ng	-0.02
23) Nitrobenzene-d5	6.492	82	867979	72.92	ng	-0.02
41) 2,4,6-Tribromophenol	10.463	330	289484	115.90	ng	-0.01
44) 2-Fluorobiphenyl	8.669	172	1577192	76.11	ng	-0.02
78) Terphenyl-d14	13.292	244	1173803	57.75	ng	0.00
Target Compounds						
10) Phenol	5.457	94	64354	4.54	ng	Qvalue 88
19) n-Nitroso-di-n-propyla...	6.492	70	113491	14.19	ng	# 78
31) Naphthalene	7.369	128	244370	7.48	ng	100
33) 4-Chloroaniline	7.369	127	31982	2.42	ng	# 32
37) 2-Methylnaphthalene	8.210	142	70025	3.22	ng	95
49) Dimethylphthalate	9.163	163	129981	5.78	ng	100
51) Acenaphthene	9.521	154	133213	6.88	ng	99
54) Dibenzofuran	9.733	168	61106	2.32	ng	95
55) 4-Nitrophenol	9.733	139	21607	4.56	ng	# 28
56) 2,4-Dinitrotoluene	9.480	165	40971	6.33	ng	# 33
57) Fluorene	10.157	166	59736	2.73	ng	100
70) Phenanthrene	11.333	178	101855	3.29	ng	98

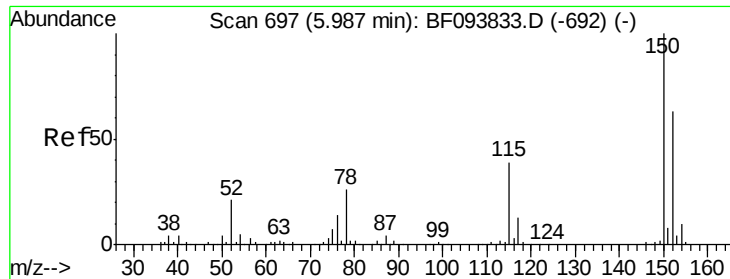
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.845 min Scan# 67

Delta R.T. -0.012 min

Lab File: BF094269.D

Acq: 7 Apr 2017 13:27

Instrument :

BNA_F

ClientSampleId :

GW-2

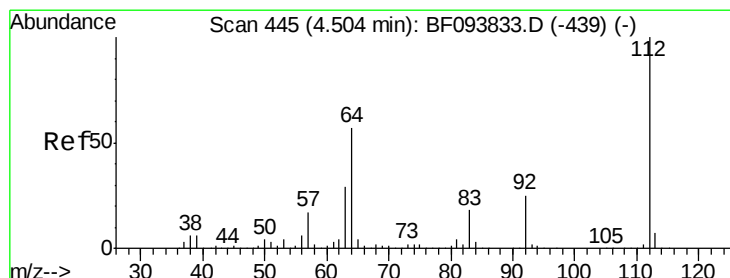
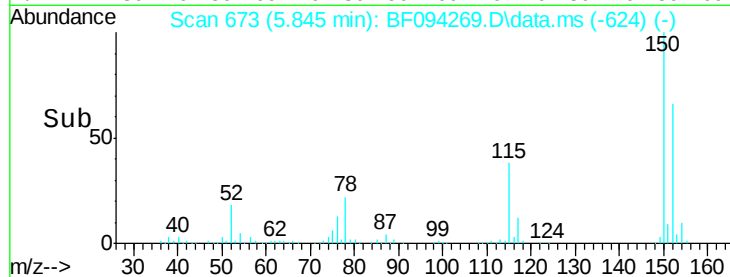
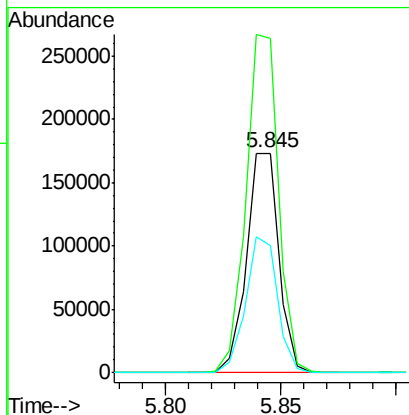
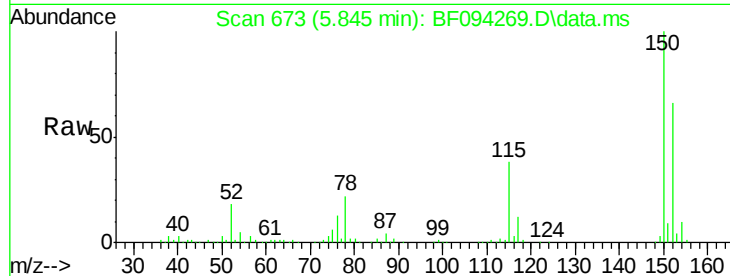
Tot Ion:152 Resp: 169952

Ion Ratio Lower Upper

152 100

150 152.3 126.2 189.2

115 57.5 52.2 78.2



#5

2-Fluorophenol

Concen: 54.69 ng

RT: 4.387 min Scan# 425

Delta R.T. -0.000 min

Lab File: BF094269.D

Acq: 7 Apr 2017 13:27

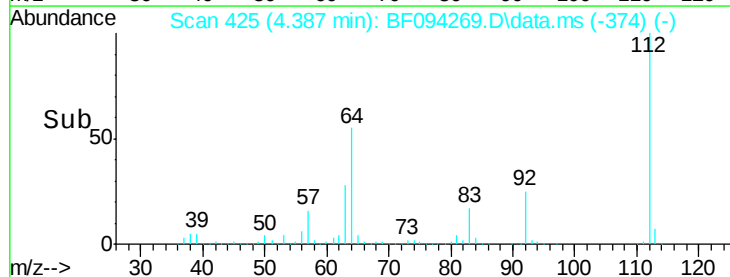
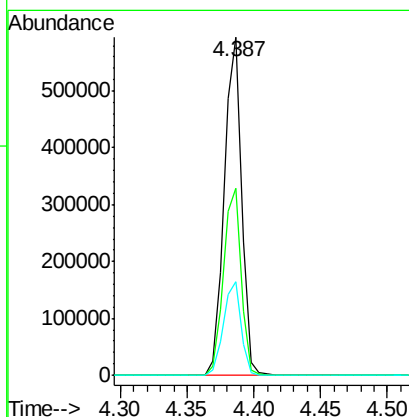
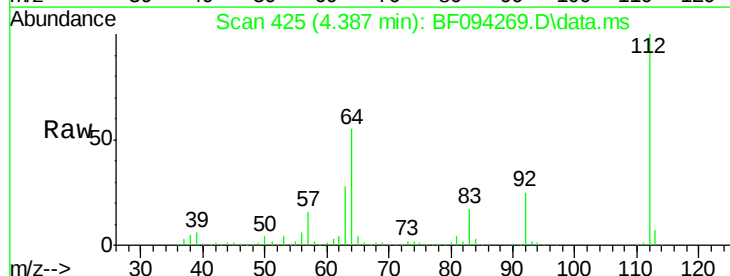
Tgt Ion:112 Resp: 550324

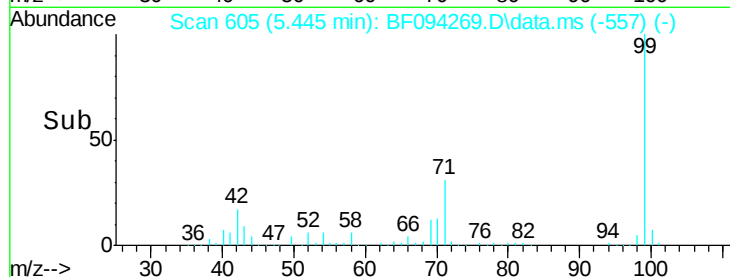
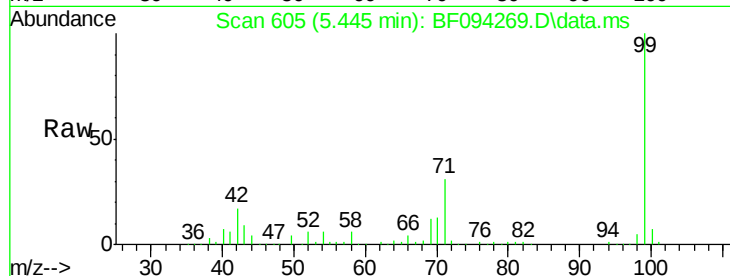
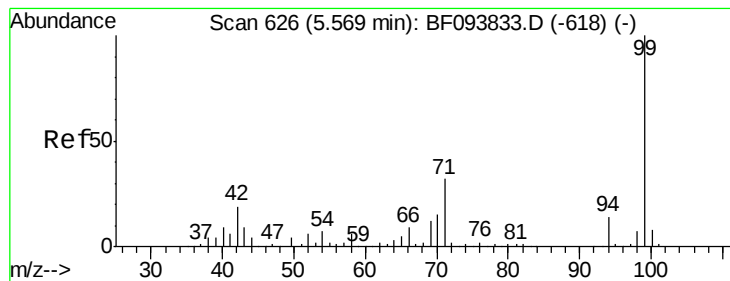
Ion Ratio Lower Upper

112 100

64 55.2 46.0 69.0

63 27.5 23.4 35.0





#7

Phenol-d6

Concen: 34.81 ng

RT: 5.445 min Scan# 60

Delta R.T. -0.018 min

Lab File: BF094269.D

Acq: 7 Apr 2017 13:27

Instrument :

BNA_F

ClientSampleId :

GW-2

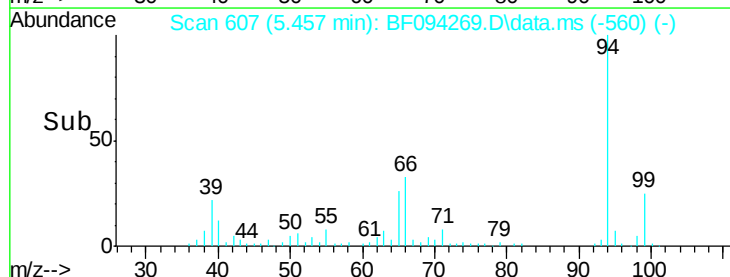
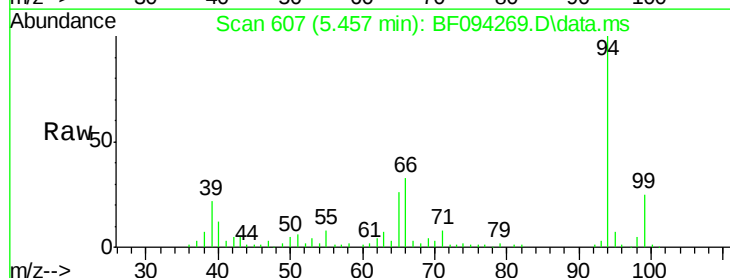
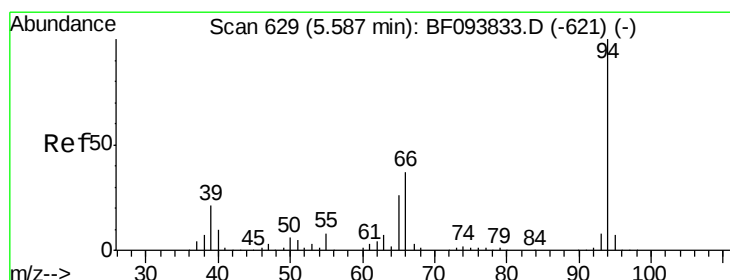
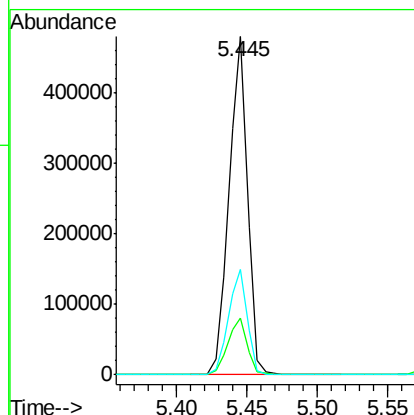
Tot Ion: 99 Resp: 433282

Ion Ratio Lower Upper

99 100

42 16.6 13.5 20.3

71 31.0 24.5 36.7



#10

Phenol

Concen: 4.54 ng

RT: 5.457 min Scan# 607

Delta R.T. -0.024 min

Lab File: BF094269.D

Acq: 7 Apr 2017 13:27

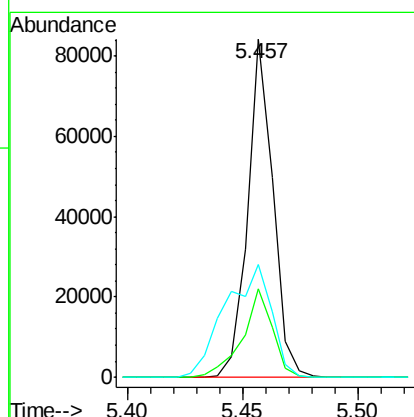
Tgt Ion: 94 Resp: 64354

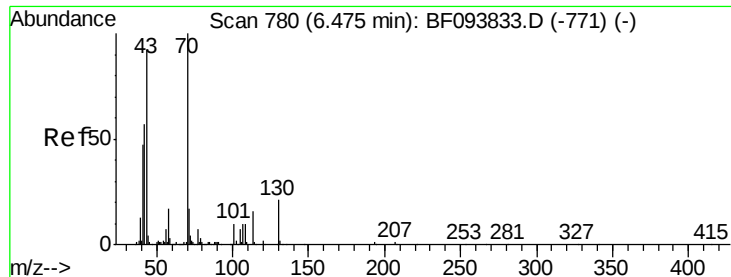
Ion Ratio Lower Upper

94 100

65 26.0 9.9 49.9

66 33.5 23.1 63.1

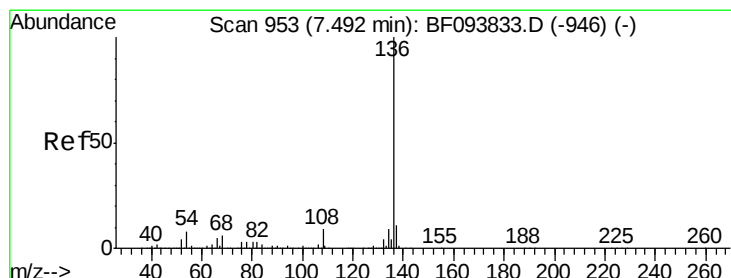
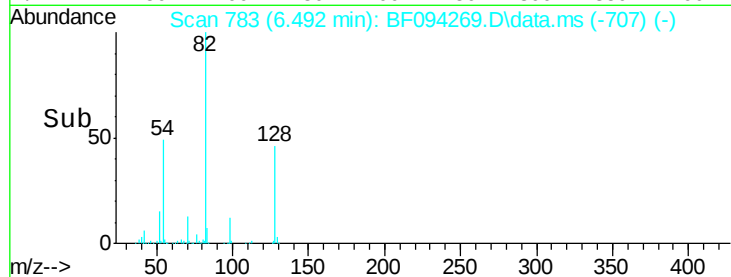
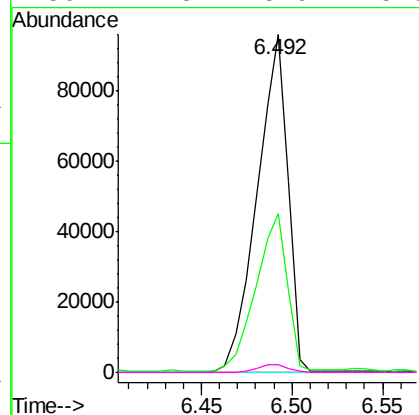
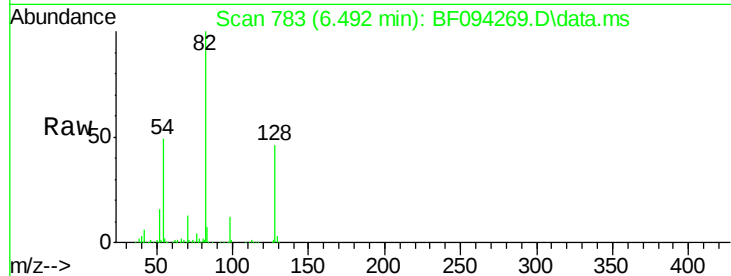




#19
n-Nitroso-di-n-propylamine
Concen: 14.19 ng
RT: 6.492 min Scan# 780
Delta R.T. 0.147 min
Lab File: BF094269.D
Acq: 7 Apr 2017 13:27

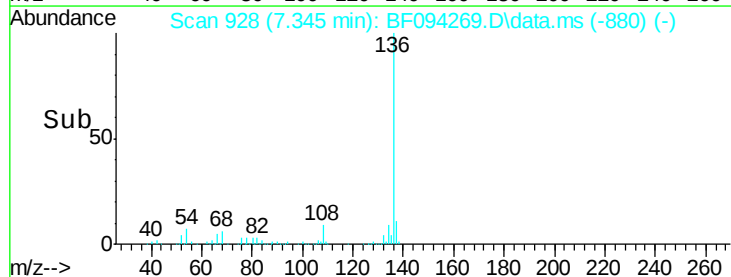
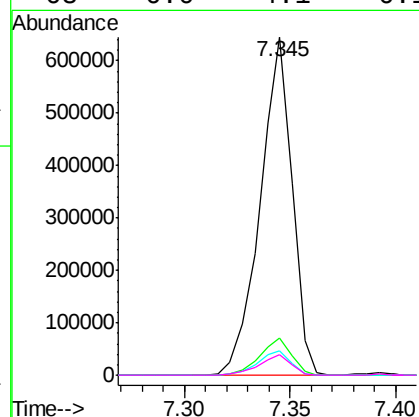
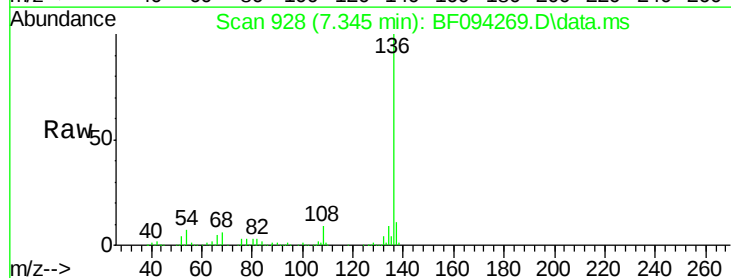
Instrument :
BNA_F
ClientSampleId :
GW-2

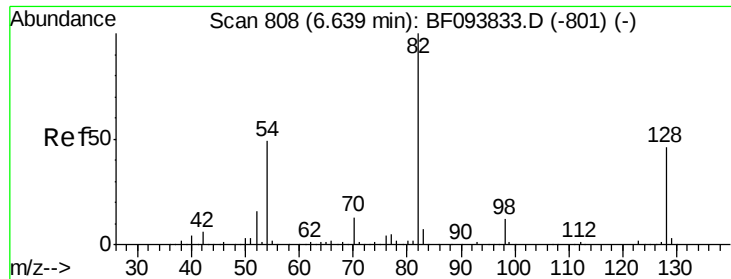
Tot Ion:	70	Resp:	113491
Ion	Ratio	Lower	Upper
70	100		
42	46.9	47.2	70.8#
101	0.0	7.2	10.8#
130	2.3	15.9	23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.345 min Scan# 928
Delta R.T. -0.018 min
Lab File: BF094269.D
Acq: 7 Apr 2017 13:27

Tgt Ion:	136	Resp:	679267
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	7.2	4.9	7.3
68	6.0	4.1	6.1

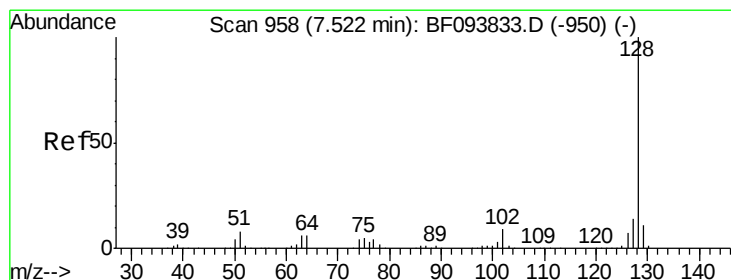
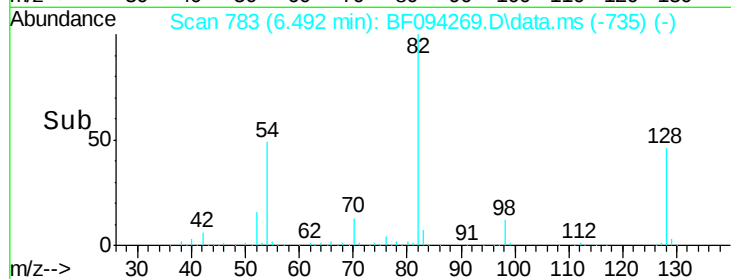
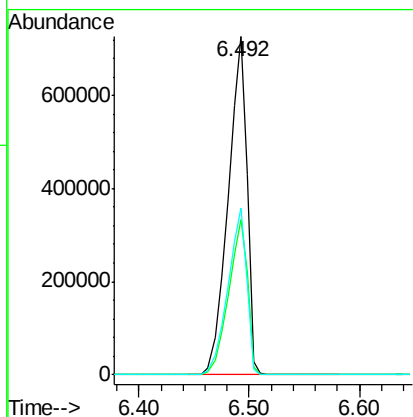
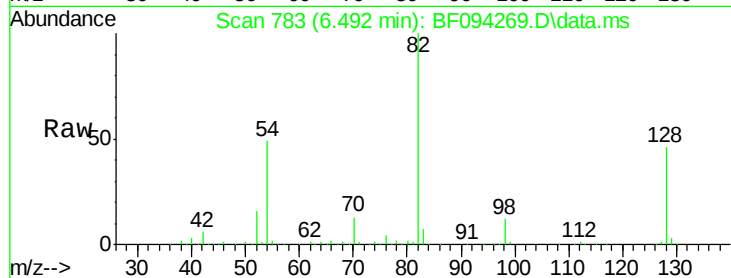




#23
 Nitrobenzene-d5
 Concen: 72.92 ng
 RT: 6.492 min Scan# 78
 Delta R.T. -0.018 min
 Lab File: BF094269.D
 Acq: 7 Apr 2017 13:27

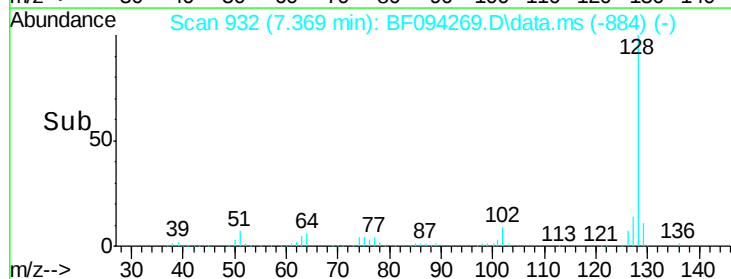
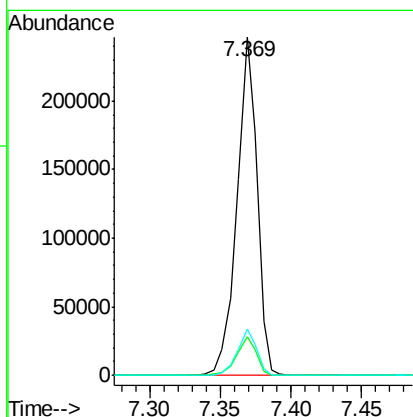
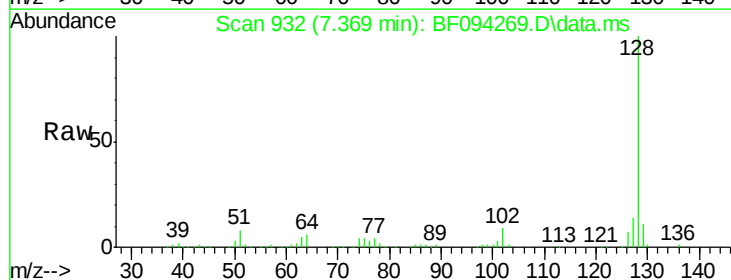
Instrument :
 BNA_F
 ClientSampleId :
 GW-2

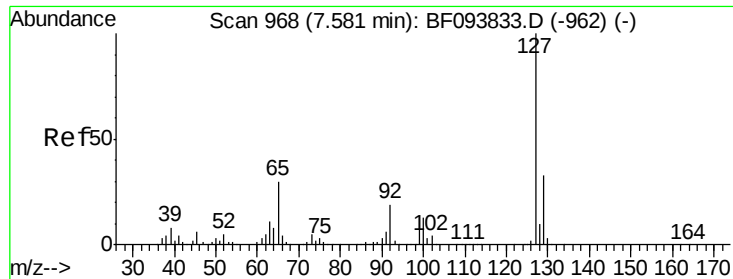
Tot Ion	82	Resp	867979
Ion Ratio	Lower	Upper	
82	100		
128	45.8	34.0	51.0
54	49.2	42.2	63.2



#31
 Naphthalene
 Concen: 7.48 ng
 RT: 7.369 min Scan# 932
 Delta R.T. -0.018 min
 Lab File: BF094269.D
 Acq: 7 Apr 2017 13:27

Tgt Ion	128	Resp	244370
Ion Ratio	Lower	Upper	
128	100		
129	11.3	9.0	13.6
127	13.5	10.8	16.2

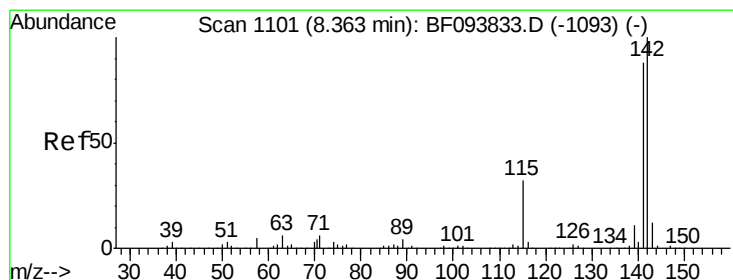
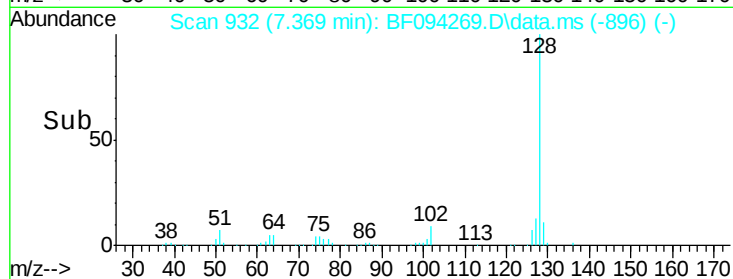
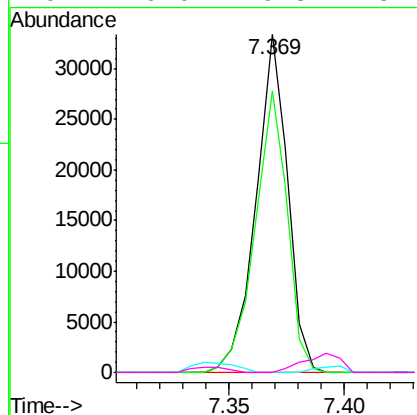
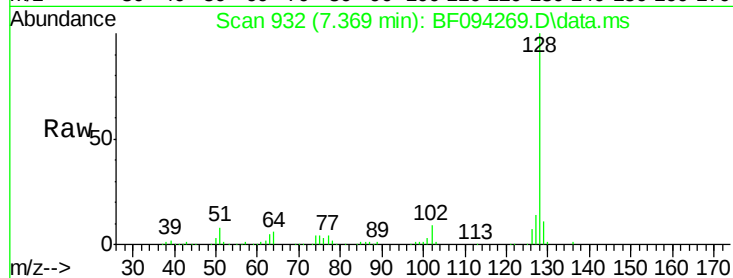




#33
4-Chloroaniline
Concen: 2.42 ng
RT: 7.369 min Scan# 93
Delta R.T. -0.088 min
Lab File: BF094269.D
Acq: 7 Apr 2017 13:27

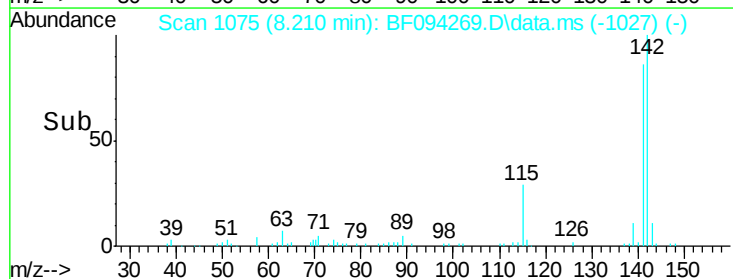
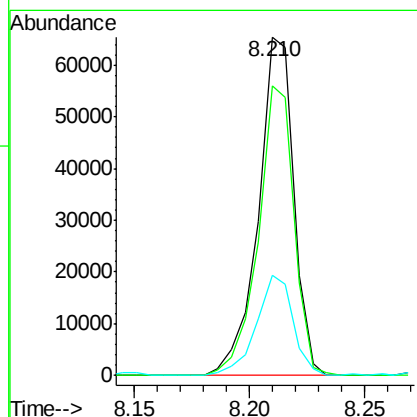
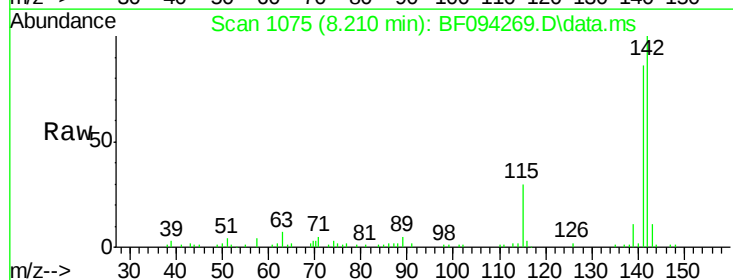
Instrument :
BNA_F
ClientSampleId :
GW-2

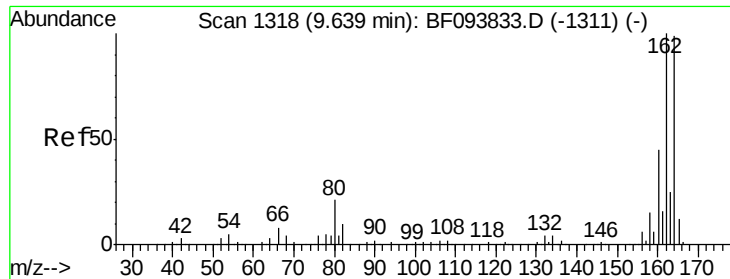
Tot Ion:	127	Resp:	31982
Ion	Ratio	Lower	Upper
127	100		
129	83.3	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



#37
2-Methylnaphthalene
Concen: 3.22 ng
RT: 8.210 min Scan# 1075
Delta R.T. -0.018 min
Lab File: BF094269.D
Acq: 7 Apr 2017 13:27

Tgt Ion:	142	Resp:	70025
Ion	Ratio	Lower	Upper
142	100		
141	85.8	71.3	106.9
115	29.5	27.1	40.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.486 min Scan# 12

Delta R.T. -0.012 min

Lab File: BF094269.D

Acq: 7 Apr 2017 13:27

Instrument :

BNA_F

ClientSampleId :

GW-2

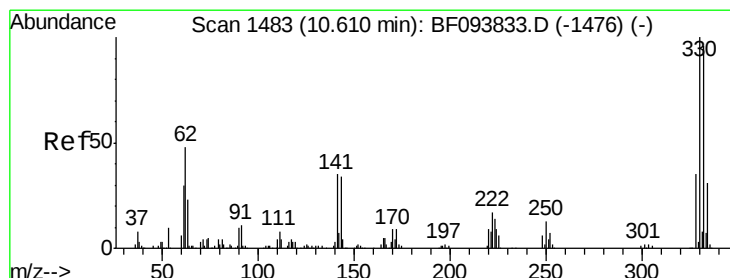
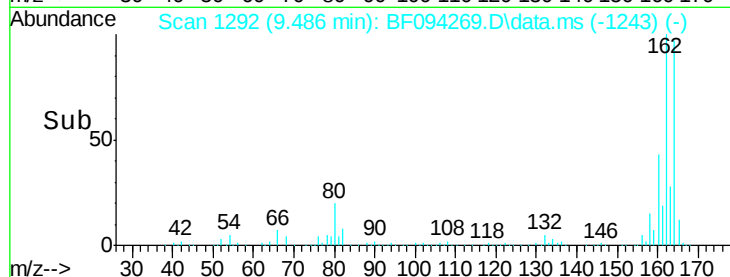
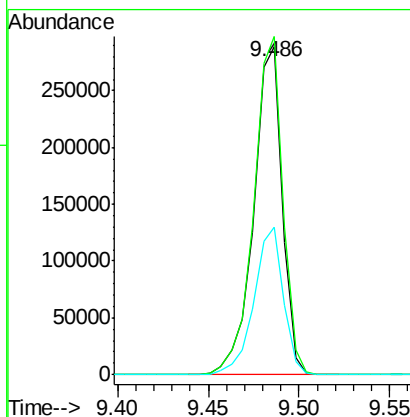
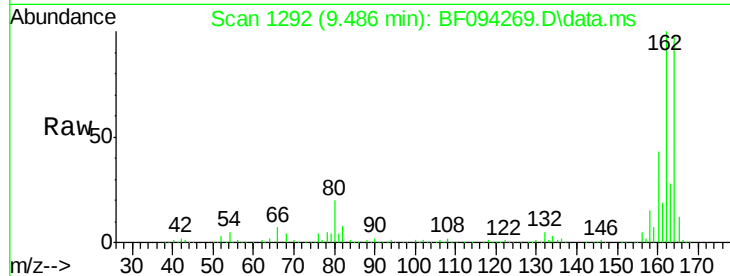
Tot Ion:164 Resp: 316086

Ion Ratio Lower Upper

164 100

162 103.1 82.6 123.8

160 44.8 36.2 54.2



#41

2,4,6-Tribromophenol

Concen: 115.90 ng

RT: 10.463 min Scan# 1458

Delta R.T. -0.012 min

Lab File: BF094269.D

Acq: 7 Apr 2017 13:27

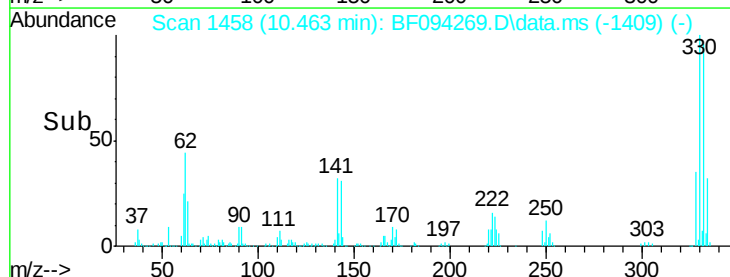
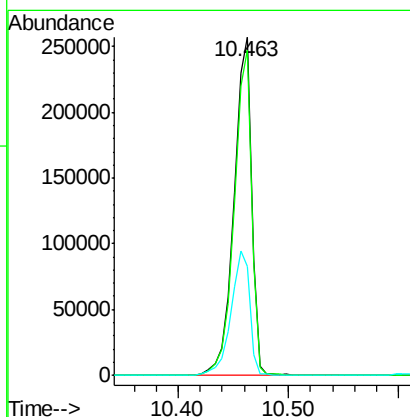
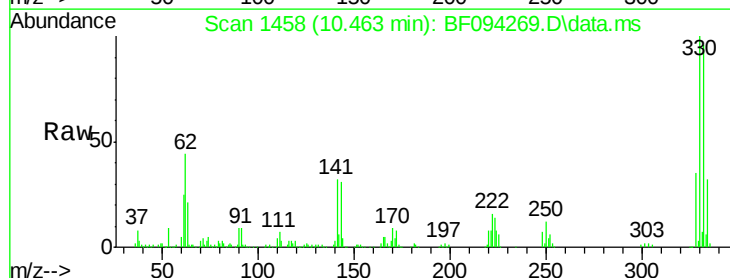
Tgt Ion:330 Resp: 289484

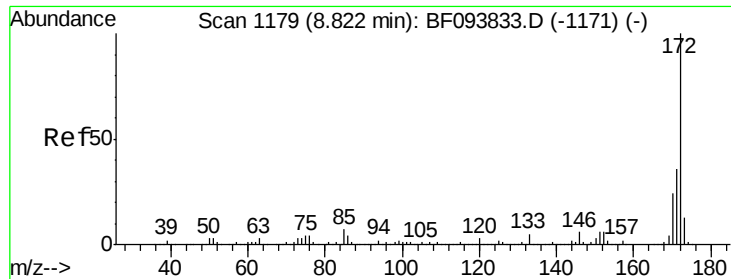
Ion Ratio Lower Upper

330 100

332 95.2 76.6 115.0

141 38.9 31.4 47.2

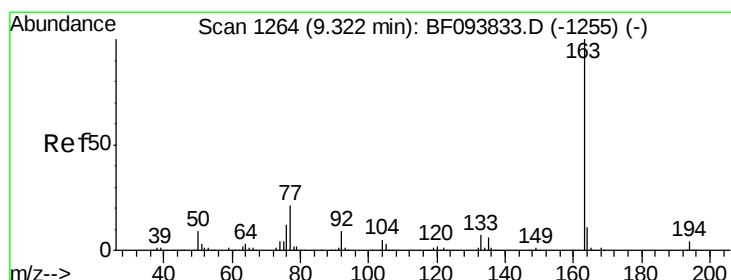
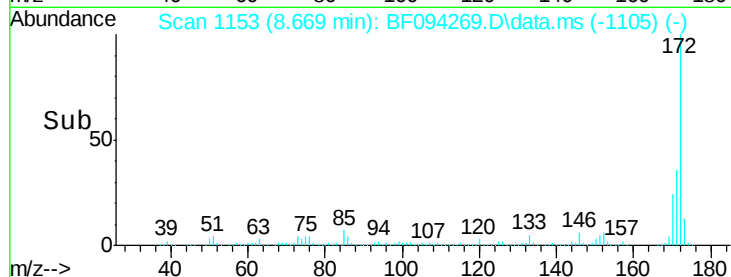
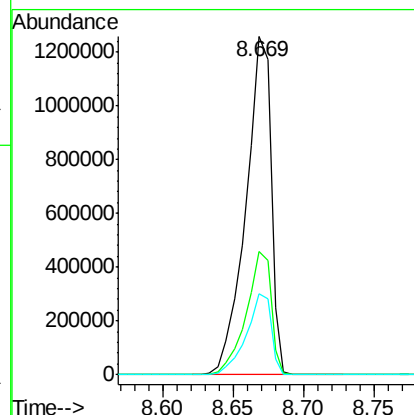
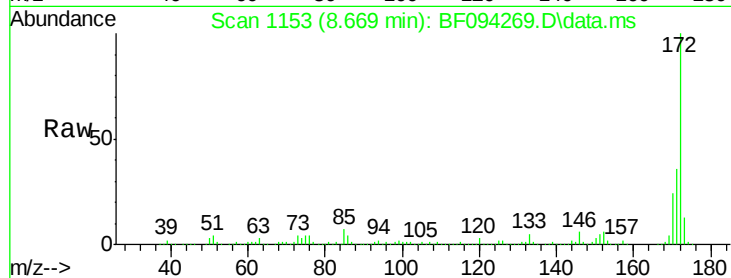




#44
2-Fluorobiphenyl
Concen: 76.11 ng
RT: 8.669 min Scan# 1179
Delta R.T. -0.018 min
Lab File: BF094269.D
Acq: 7 Apr 2017 13:27

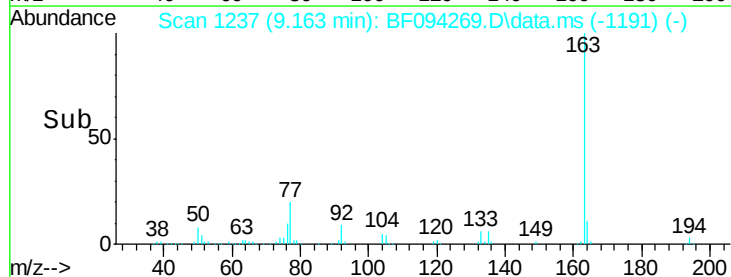
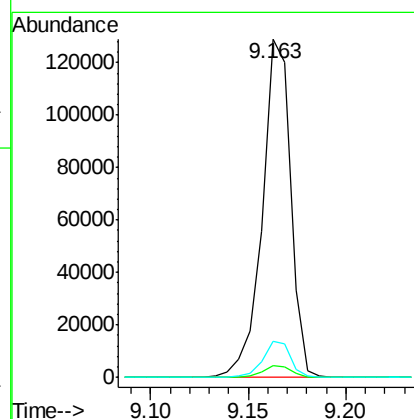
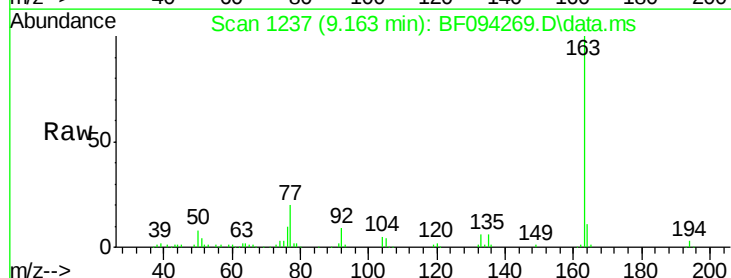
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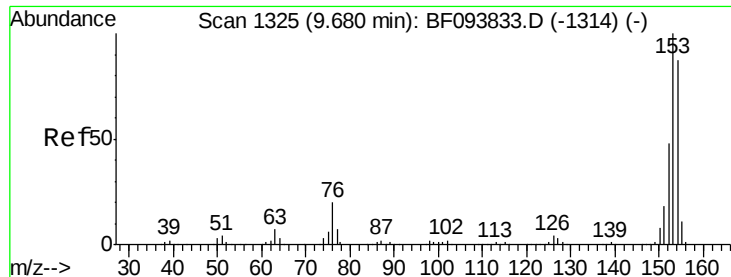
Tot Ion:172 Resp: 1577192
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 24.0 19.8 29.8



#49
Dimethylphthalate
Concen: 5.78 ng
RT: 9.163 min Scan# 1237
Delta R.T. -0.030 min
Lab File: BF094269.D
Acq: 7 Apr 2017 13:27

Tgt Ion:163 Resp: 129981
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.5 8.4 12.6





#51

Acenaphthene

Concen: 6.88 ng

RT: 9.521 min Scan# 12

Delta R.T. -0.024 min

Lab File: BF094269.D

Acq: 7 Apr 2017 13:27

Instrument :

BNA_F

ClientSampleId :

GW-2

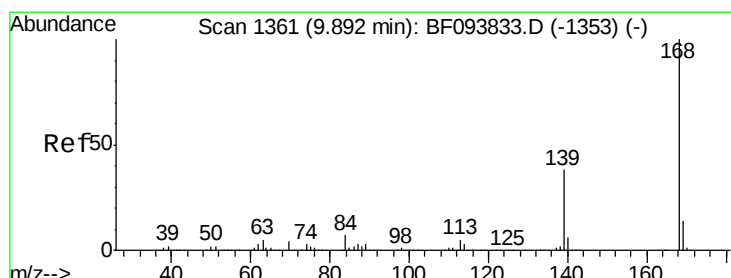
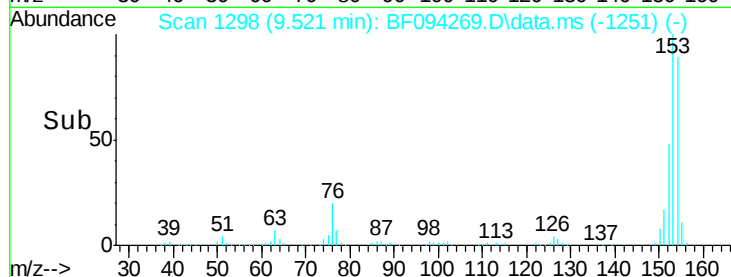
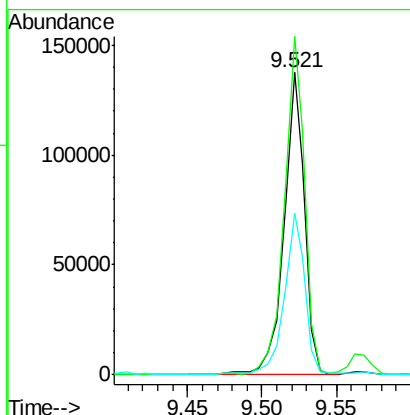
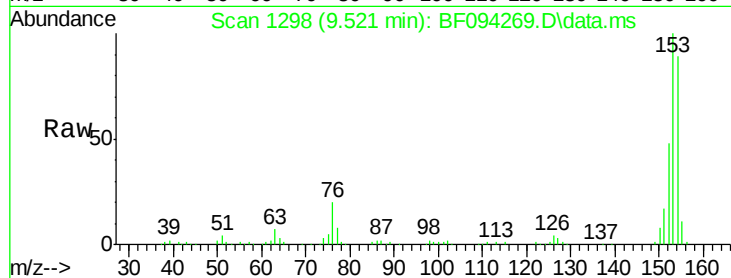
Tot Ion:154 Resp: 133213

Ion Ratio Lower Upper

154 100

153 111.9 90.5 135.7

152 53.3 43.6 65.4



#54

Dibenzofuran

Concen: 2.32 ng

RT: 9.733 min Scan# 1334

Delta R.T. -0.024 min

Lab File: BF094269.D

Acq: 7 Apr 2017 13:27

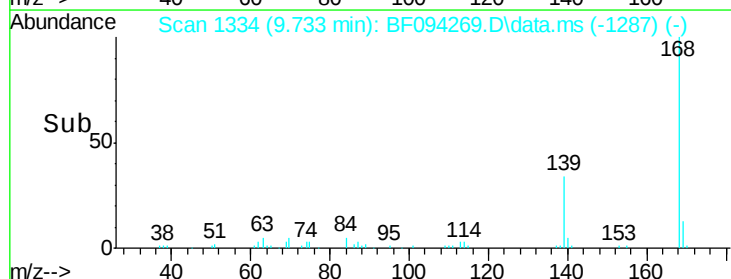
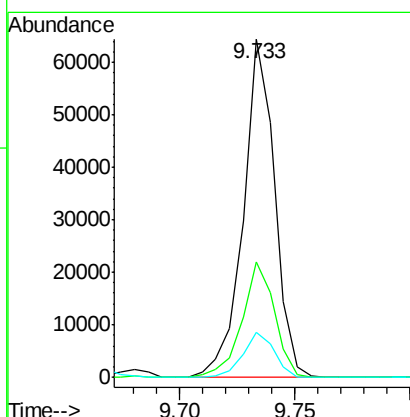
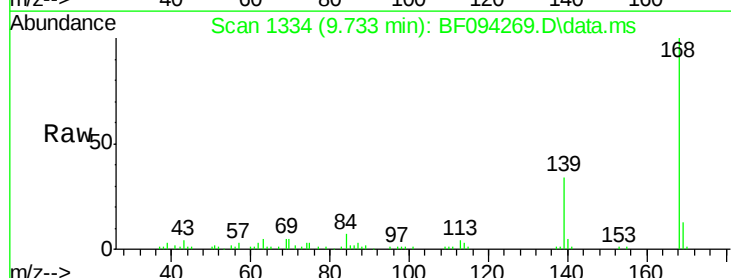
Tgt Ion:168 Resp: 61106

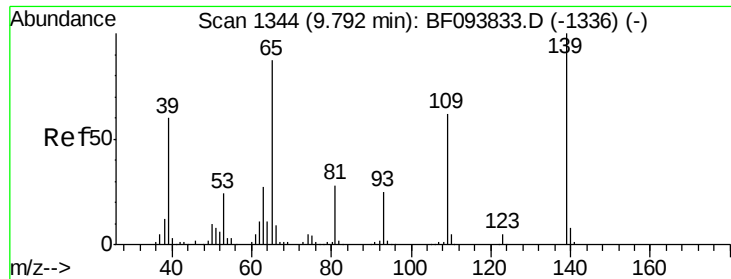
Ion Ratio Lower Upper

168 100

139 34.2 30.6 45.8

169 13.1 10.8 16.2





#55

4-Nitrophenol

Concen: 4.56 ng

RT: 9.733 min Scan# 1344

Delta R.T. 0.041 min

Lab File: BF094269.D

Acq: 7 Apr 2017 13:27

Instrument :

BNA_F

ClientSampleId :

GW-2

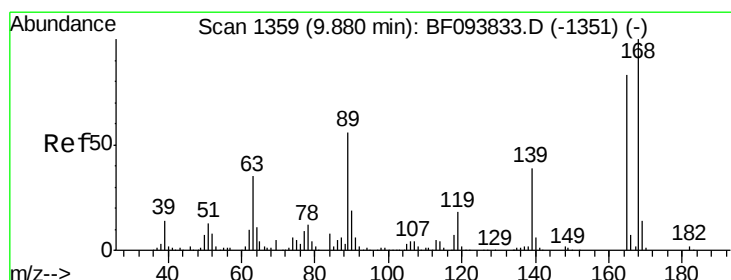
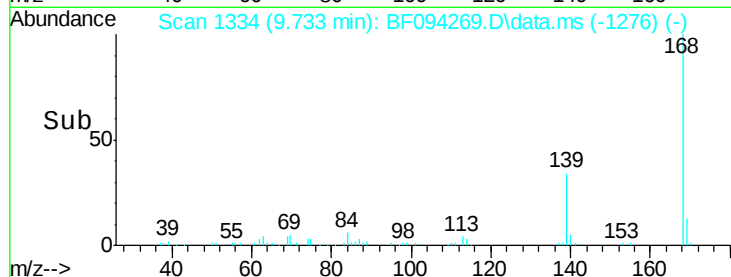
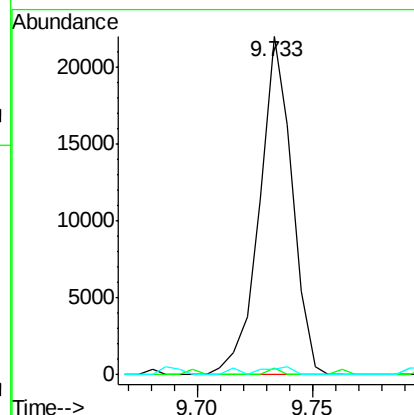
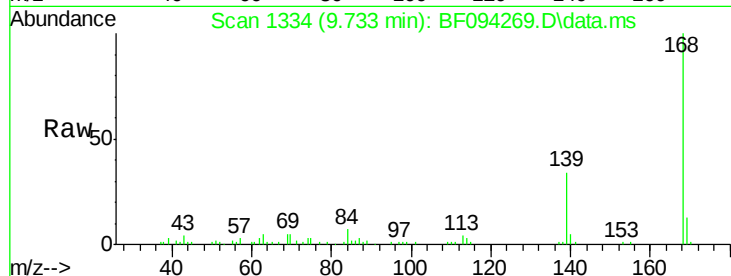
Tot Ion:139 Resp: 21607

Ion Ratio Lower Upper

139 100

109 1.9 34.1 74.1#

65 1.6 31.4 71.4#



#56

2,4-Dinitrotoluene

Concen: 6.33 ng

RT: 9.480 min Scan# 1291

Delta R.T. -0.271 min

Lab File: BF094269.D

Acq: 7 Apr 2017 13:27

Tgt Ion:165 Resp: 40971

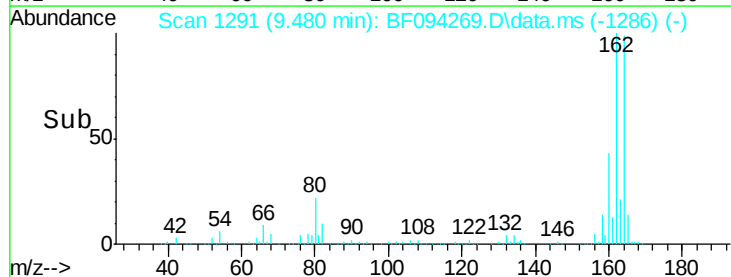
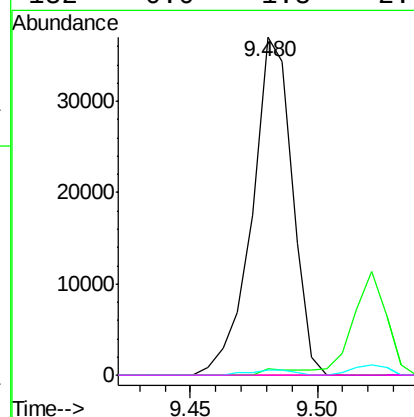
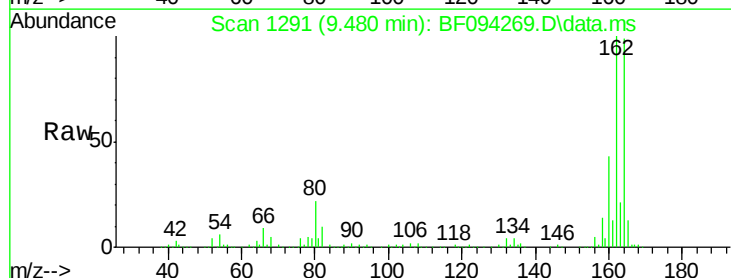
Ion Ratio Lower Upper

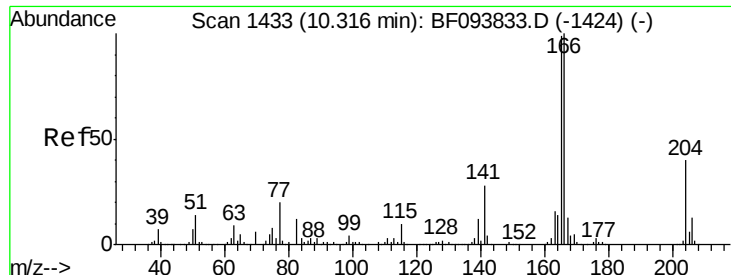
165 100

63 2.1 25.4 38.0#

89 1.4 46.4 69.6#

182 0.0 1.8 2.6#

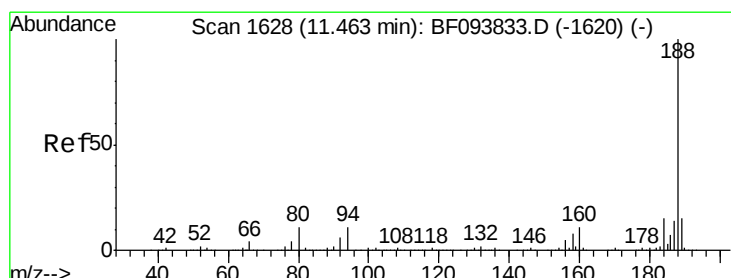
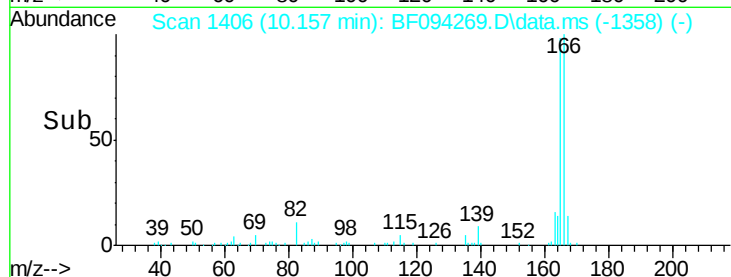
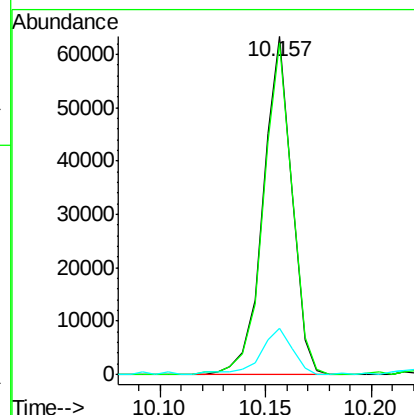
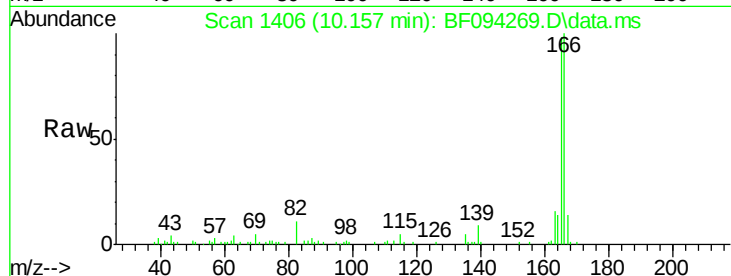




#57
 Fluorene
 Concen: 2.73 ng
 RT: 10.157 min Scan# 14
 Delta R.T. -0.018 min
 Lab File: BF094269.D
 Acq: 7 Apr 2017 13:27

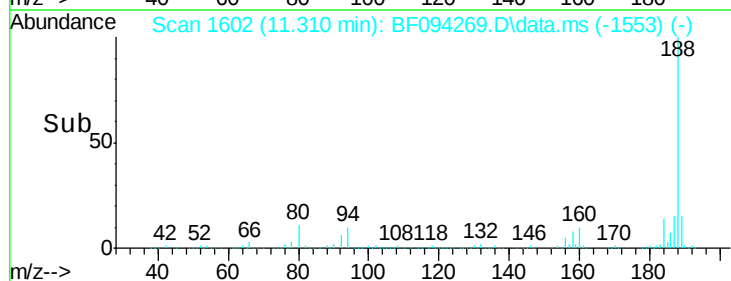
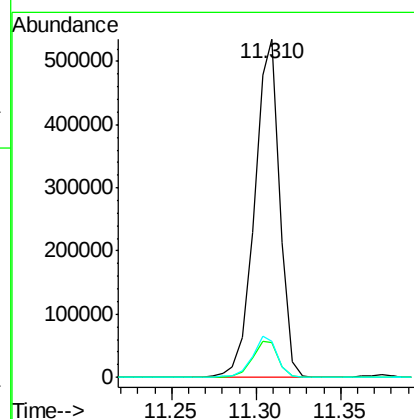
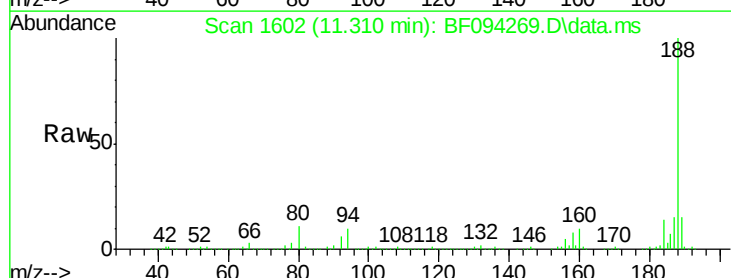
Instrument :
 BNA_F
 ClientSampleId :
 GW-2

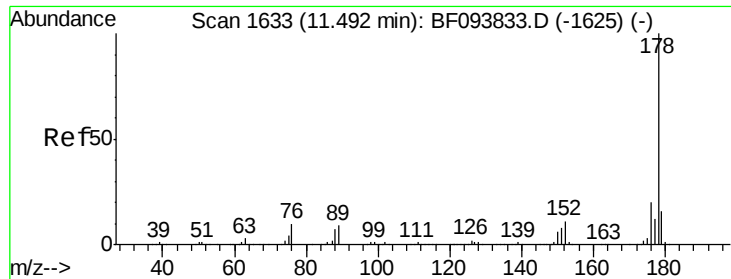
Tot Ion:166 Resp: 59736
 Ion Ratio Lower Upper
 166 100
 165 98.2 78.8 118.2
 167 13.7 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.310 min Scan# 1602
 Delta R.T. -0.012 min
 Lab File: BF094269.D
 Acq: 7 Apr 2017 13:27

Tgt Ion:188 Resp: 556185
 Ion Ratio Lower Upper
 188 100
 94 10.2 9.4 14.2
 80 10.8 10.2 15.2





#70

Phenanthrene

Concen: 3.29 ng

RT: 11.333 min Scan# 16

Delta R.T. -0.018 min

Lab File: BF094269.D

Acq: 7 Apr 2017 13:27

Instrument :

BNA_F

ClientSampleId :

GW-2

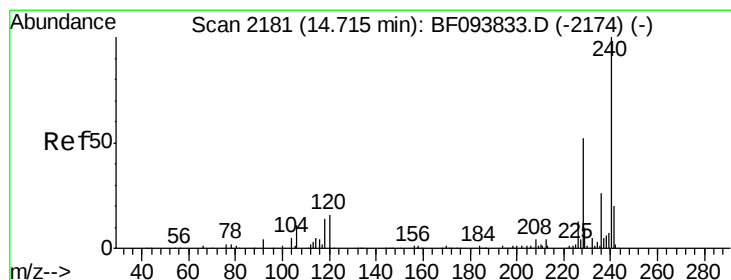
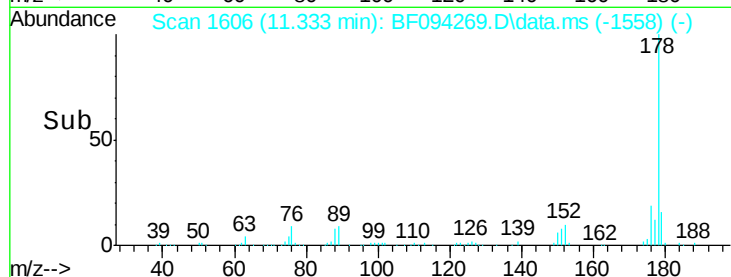
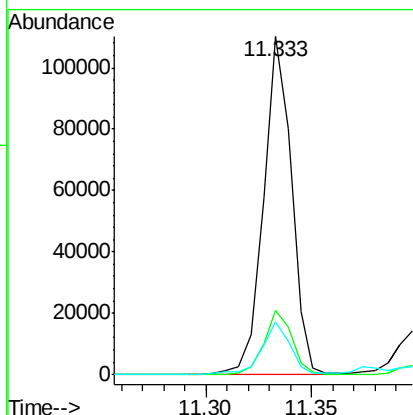
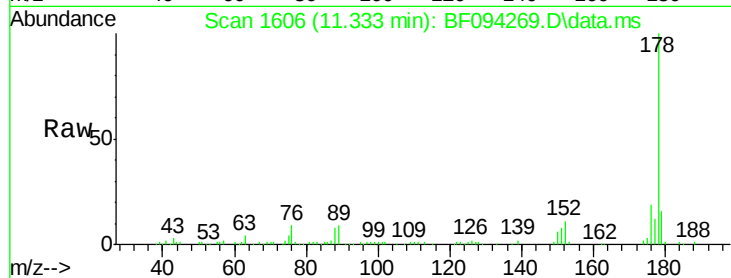
Tot Ion:178 Resp: 101855

Ion Ratio Lower Upper

178 100

176 19.0 16.2 24.4

179 15.6 12.6 19.0



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.556 min Scan# 2154

Delta R.T. -0.018 min

Lab File: BF094269.D

Acq: 7 Apr 2017 13:27

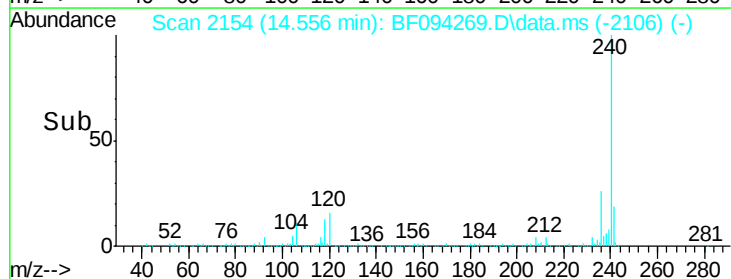
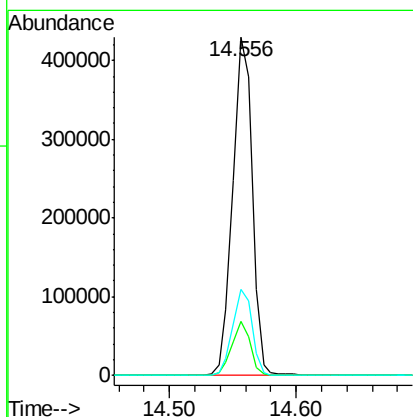
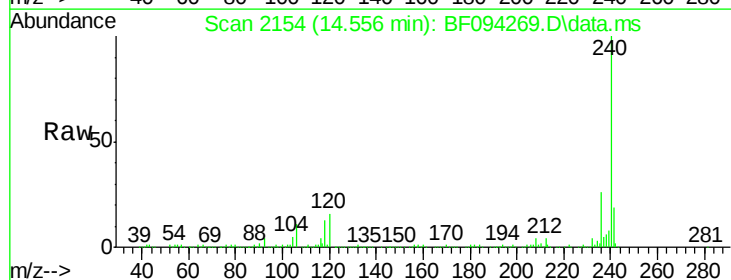
Tgt Ion:240 Resp: 455621

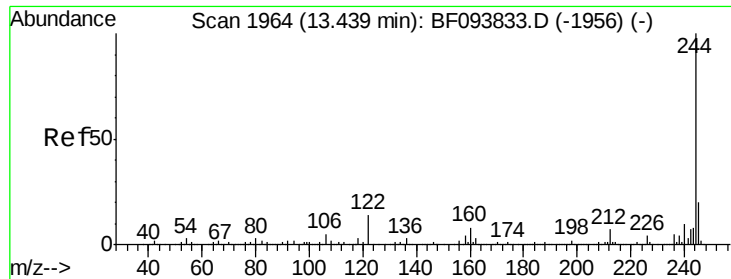
Ion Ratio Lower Upper

240 100

120 15.9 5.8 8.8#

236 25.5 20.5 30.7





#78

Terphenyl-d14

Concen: 57.75 ng

RT: 13.292 min Scan# 19

Delta R.T. -0.006 min

Lab File: BF094269.D

Acq: 7 Apr 2017 13:27

Instrument :

BNA_F

ClientSampleId :

GW-2

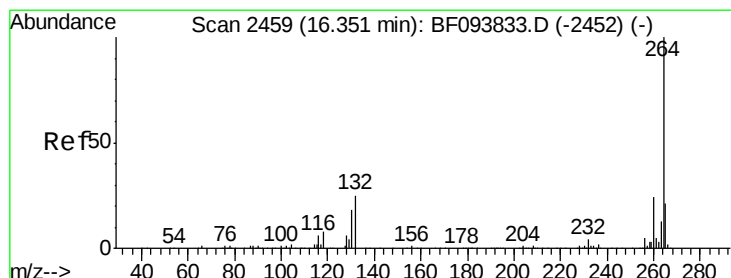
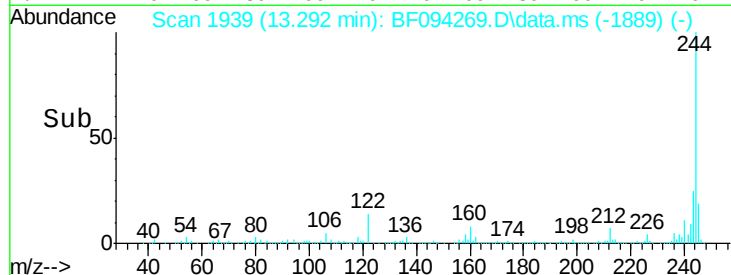
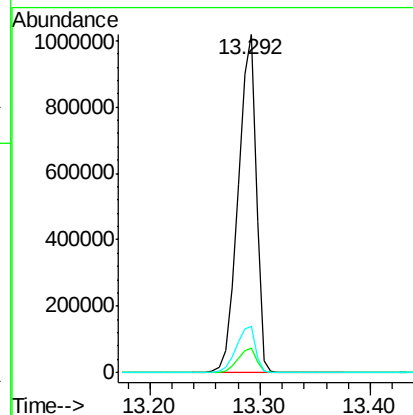
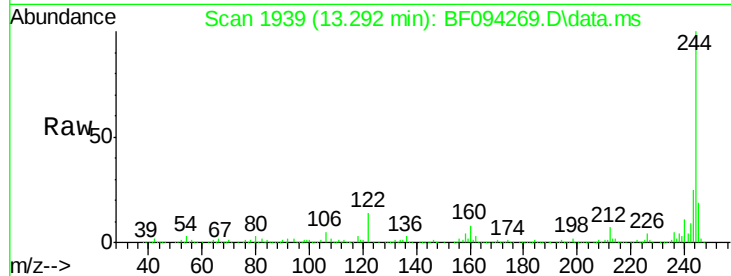
Tot Ion:244 Resp: 1173803

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

122 13.6 10.3 15.5



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.186 min Scan# 2431

Delta R.T. -0.006 min

Lab File: BF094269.D

Acq: 7 Apr 2017 13:27

Tgt Ion:264 Resp: 300513

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

265 21.8 17.2 25.8

