

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052916\
 Data File : BF087541.D
 Acq On : 30 May 2016 7:58
 Operator : UM/SJ
 Sample : H3303-05
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B3GW

Quant Time: May 31 00:52:56 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 16:26:52 2016
 Response via : Initial Calibration

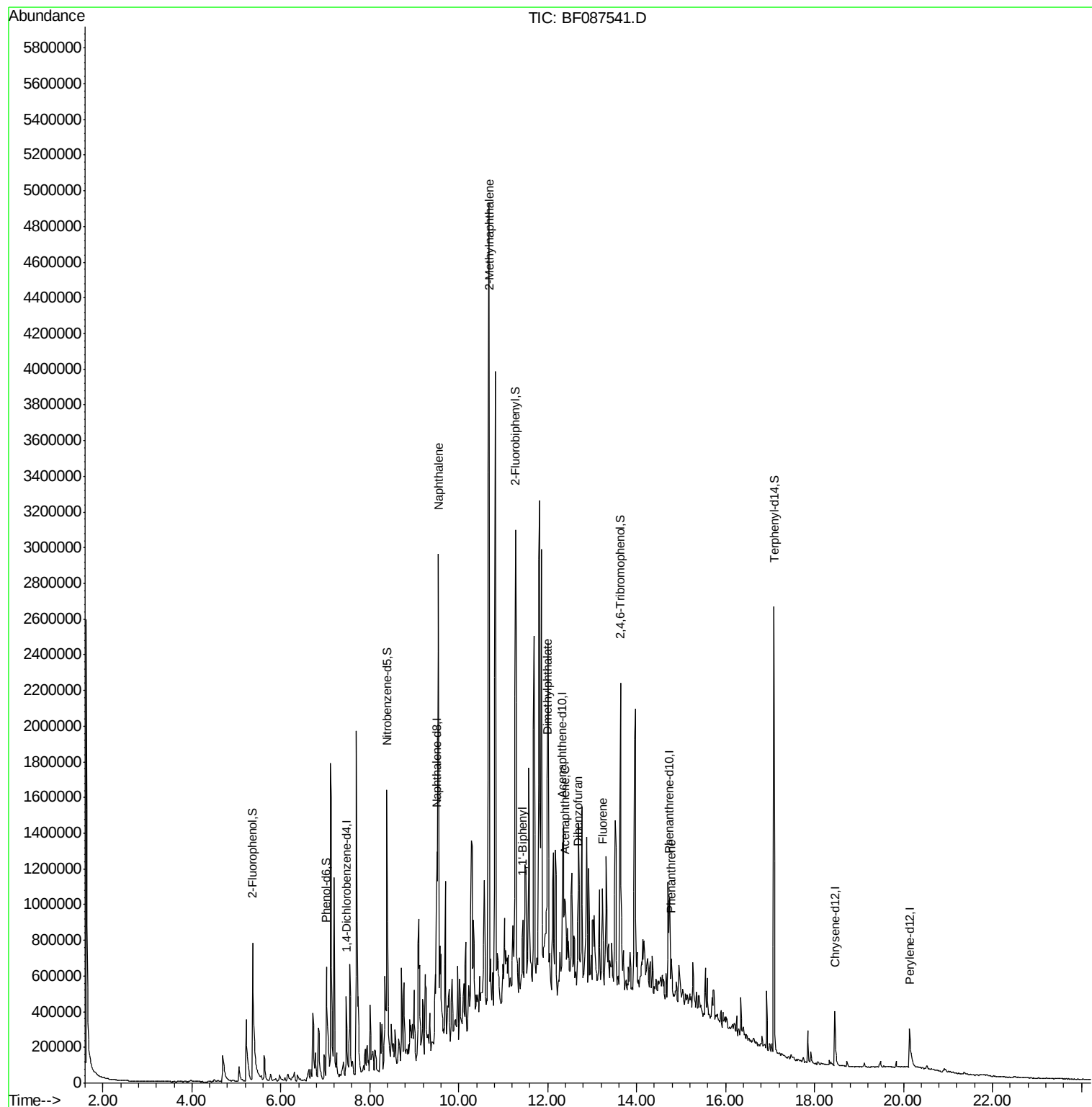
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	97715	20.00	ng	-0.05
21) Naphthalene-d8	9.51	136	388849	20.00	ng	-0.05
38) Acenaphthene-d10	12.33	164	177715	20.00	ng	-0.06
63) Phenanthrene-d10	14.74	188	314340	20.00	ng	-0.03
75) Chrysene-d12	18.46	240	221474	20.00	ng	-0.02
86) Perylene-d12	20.14	264	182716	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	454523	81.73	ng	-0.05
7) Phenol-d6	7.03	99	432155	57.51	ng	-0.05
23) Nitrobenzene-d5	8.39	82	665103	86.20	ng	-0.06
41) 2,4,6-Tribromophenol	13.63	330	242829	142.19	ng	-0.05
44) 2-Fluorobiphenyl	11.28	172	1123230	89.10	ng	-0.06
78) Terphenyl-d14	17.09	244	904648	86.84	ng	-0.05
Target Compounds						Qvalue
31) Naphthalene	9.54	128	1800995	92.43	ng	99
37) 2-Methylnaphthalene	10.68	142	2502206	205.56	ng	96
45) 1,1'-Biphenyl	11.44	154	177280	11.85	ng	99
49) Dimethylphthalate	11.99	163	52319	3.68	ng	# 88
51) Acenaphthene	12.39	154	66789	6.00	ng	96
54) Dibenzofuran	12.69	168	96933	6.43	ng	# 84
57) Fluorene	13.23	166	104826	8.02	ng	# 92
70) Phenanthrene	14.78	178	179744	10.32	ng	97

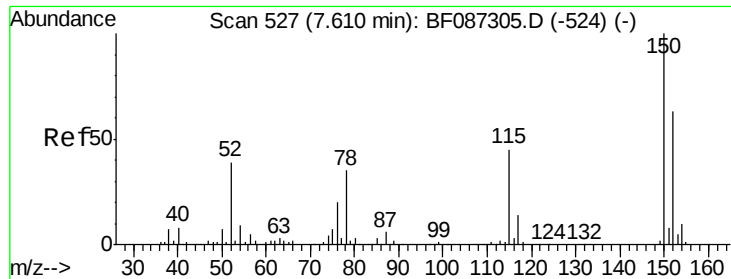
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.47 min Scan# 515

Delta R.T. -0.05 min

Lab File: BF087541.D

Acq: 30 May 2016 7:58

Instrument :

BNA_F

ClientSampleId :

B3GW

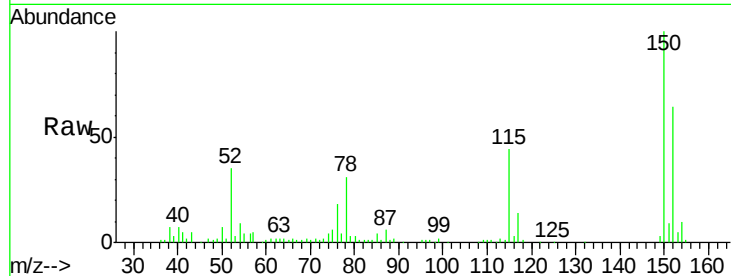
Tot Ion:152 Resp: 97715

Ion Ratio Lower Upper

152 100

150 156.3 125.8 188.6

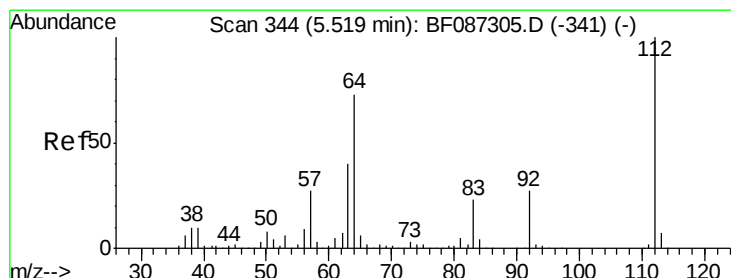
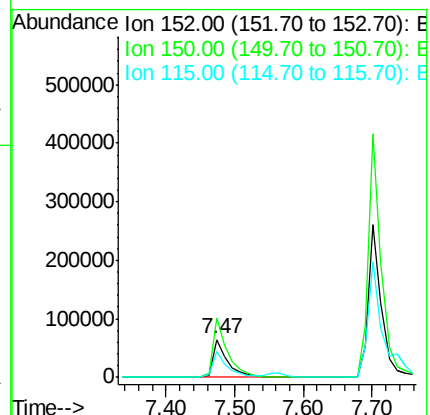
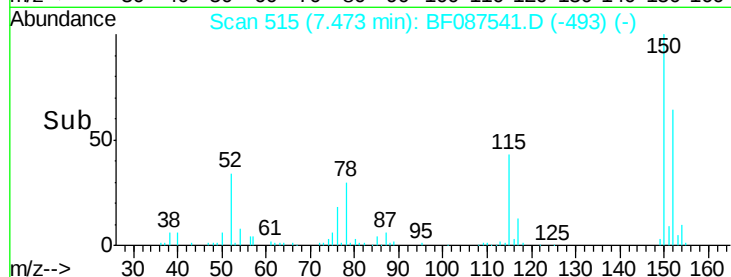
115 68.1 51.5 77.3



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: 81.73 ng

RT: 5.37 min Scan# 331

Delta R.T. -0.05 min

Lab File: BF087541.D

Acq: 30 May 2016 7:58

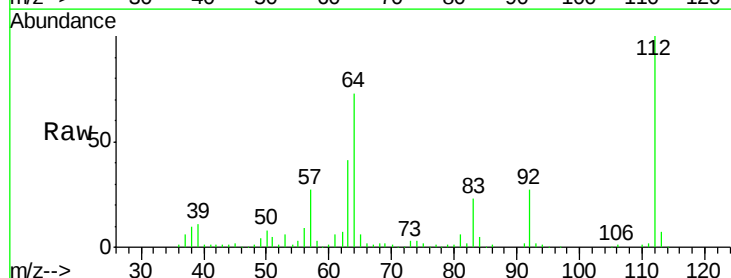
Tgt Ion:112 Resp: 454523

Ion Ratio Lower Upper

112 100

64 72.7 52.1 78.1

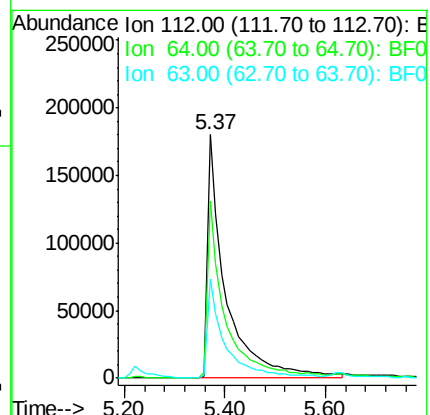
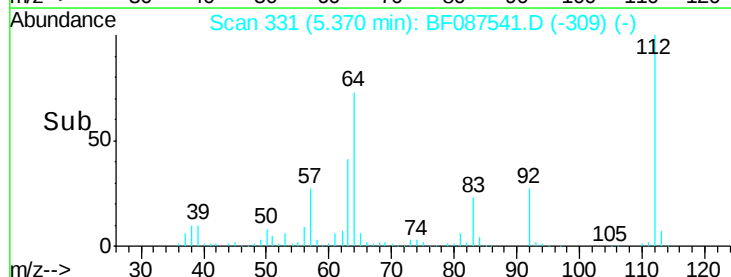
63 40.8 25.7 38.5#

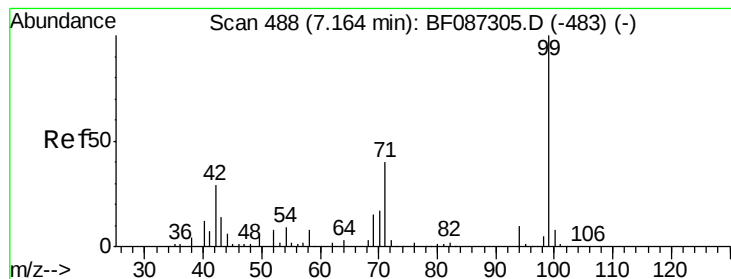


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 57.51 ng

RT: 7.03 min Scan# 476

Delta R.T. -0.05 min

Lab File: BF087541.D

Acq: 30 May 2016 7:58

Instrument :

BNA_F

ClientSampled :

B3GW

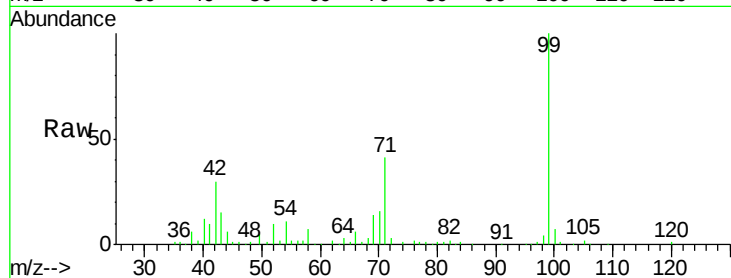
Tot Ion: 99 Resp: 432155

Ion Ratio Lower Upper

99 100

42 29.8 13.6 20.4#

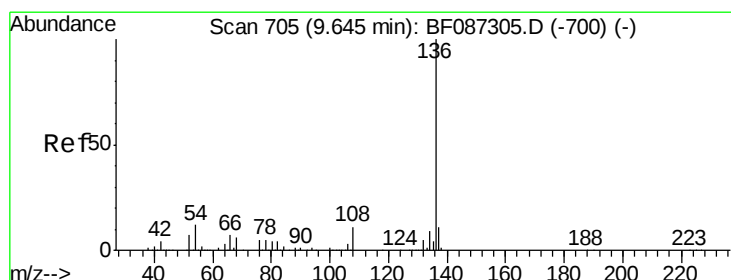
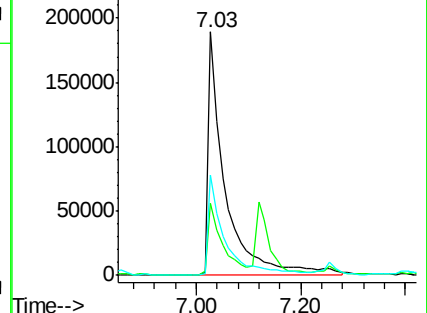
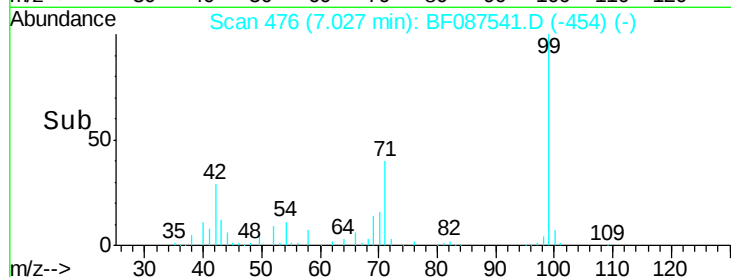
71 41.1 24.6 36.8#



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: 20.00 ng

RT: 9.51 min Scan# 693

Delta R.T. -0.05 min

Lab File: BF087541.D

Acq: 30 May 2016 7:58

Tgt Ion: 136 Resp: 388849

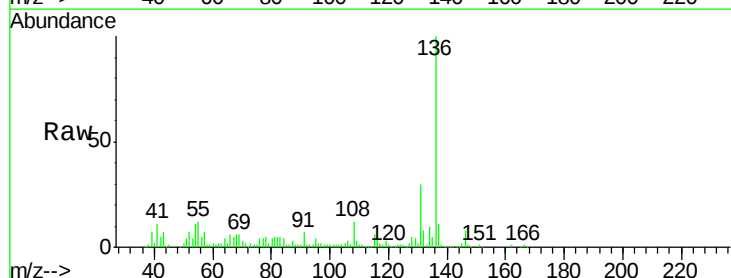
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 10.8 5.0 7.4#

68 5.8 4.4 6.6

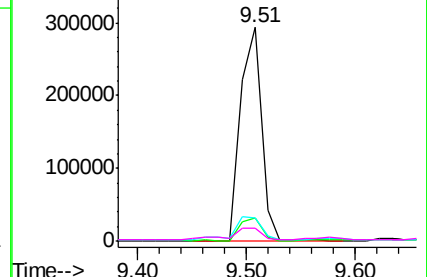
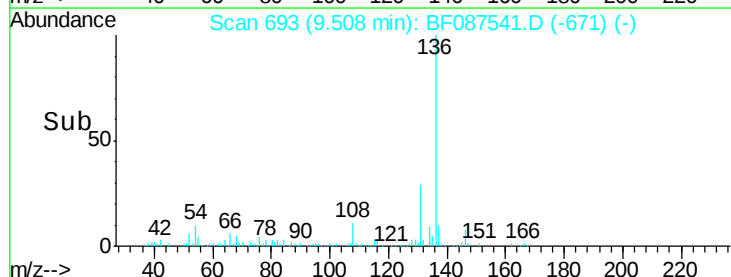


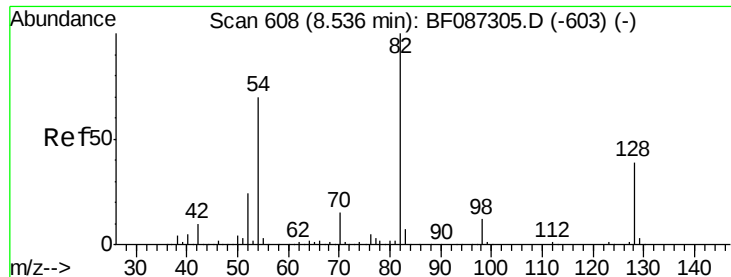
Abundance Ion 136.00 (135.70 to 136.70): E

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

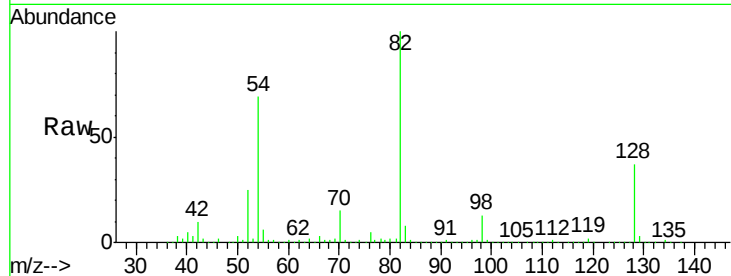




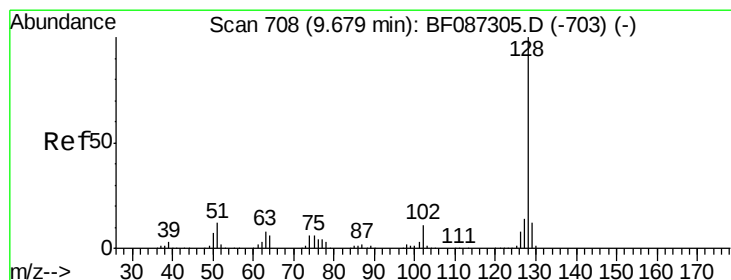
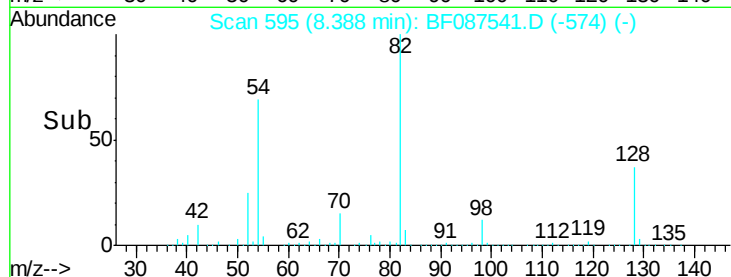
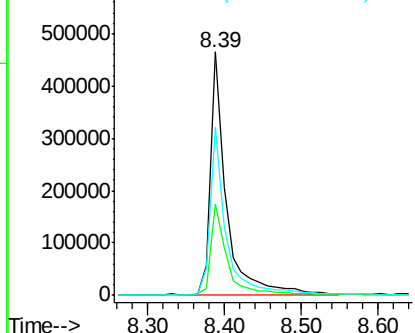
#23
Nitrobenzene-d5
Concen: 86.20 ng
RT: 8.39 min Scan# 595
Delta R.T. -0.06 min
Lab File: BF087541.D
Acq: 30 May 2016 7:58

Instrument :
BNA_F
ClientSampleId :
B3GW

Tot Ion	82	Resp	665103
Ion Ratio	Lower	Upper	
82	100		
128	37.4	40.6	61.0#
54	69.2	38.1	57.1#

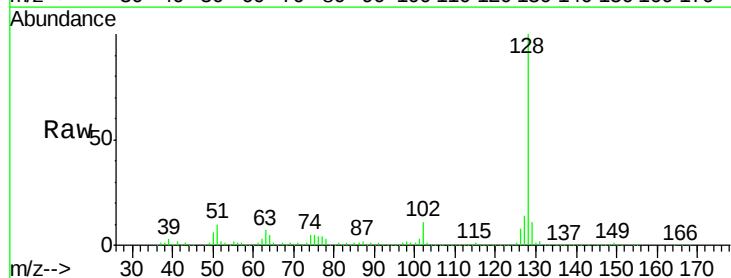


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

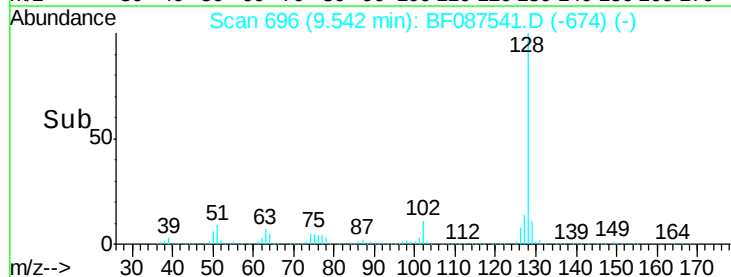
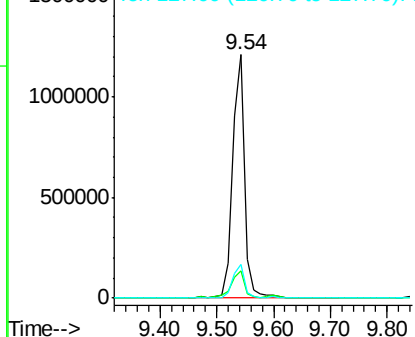


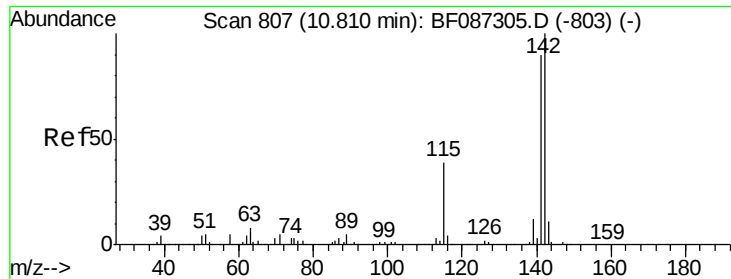
#31
Naphthalene
Concen: 92.43 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.05 min
Lab File: BF087541.D
Acq: 30 May 2016 7:58

Tgt Ion	128	Resp	1800995
Ion Ratio	Lower	Upper	
128	100		
129	11.4	8.6	13.0
127	13.9	10.8	16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

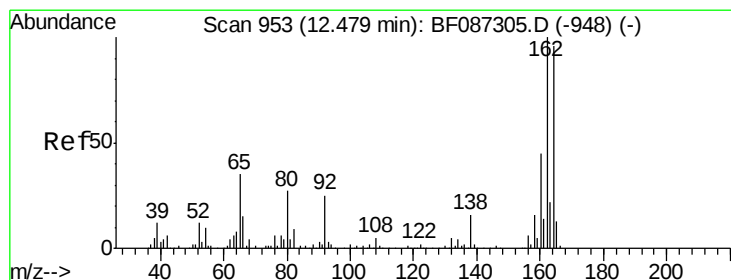
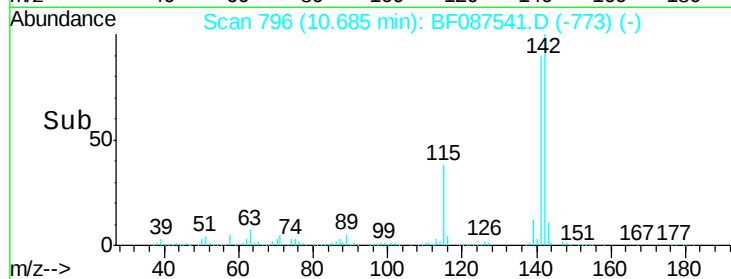
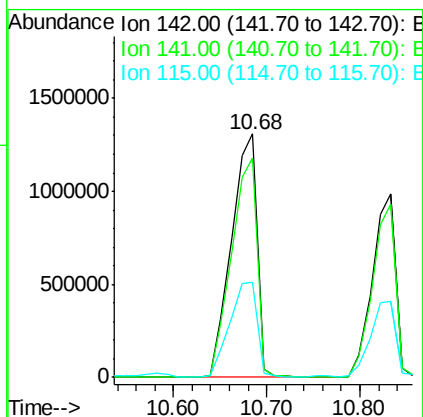
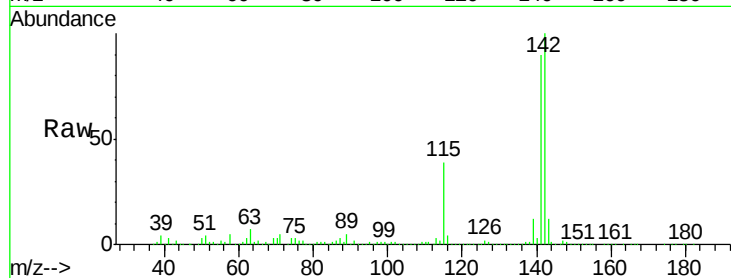




#37
2-Methylnaphthalene
Concen: 205.56 ng
RT: 10.68 min Scan# 796
Delta R.T. -0.03 min
Lab File: BF087541.D
Acq: 30 May 2016 7:58

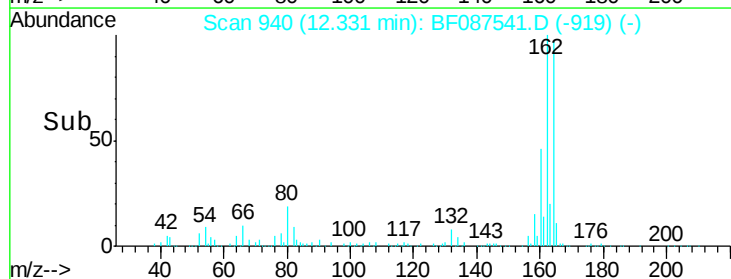
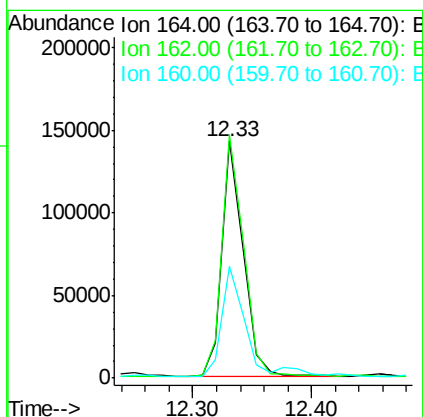
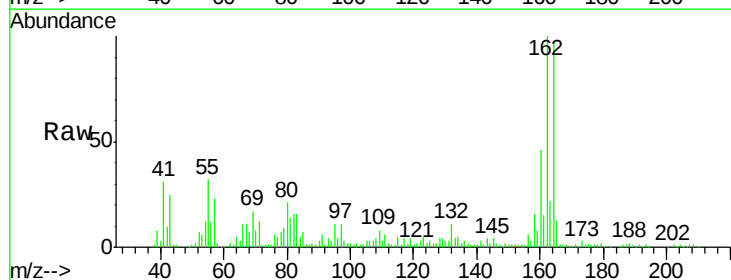
Instrument :
BNA_F
ClientSampleId :
B3GW

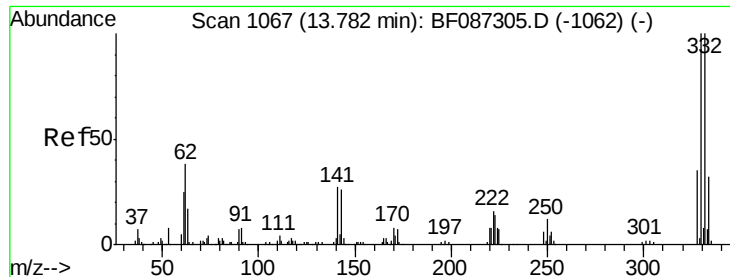
Tot Ion:142 Resp: 2502206
Ion Ratio Lower Upper
142 100
141 90.2 71.0 106.6
115 38.9 26.6 39.8



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.33 min Scan# 940
Delta R.T. -0.06 min
Lab File: BF087541.D
Acq: 30 May 2016 7:58

Tgt Ion:164 Resp: 177715
Ion Ratio Lower Upper
164 100
162 102.7 82.8 124.2
160 47.4 36.9 55.3

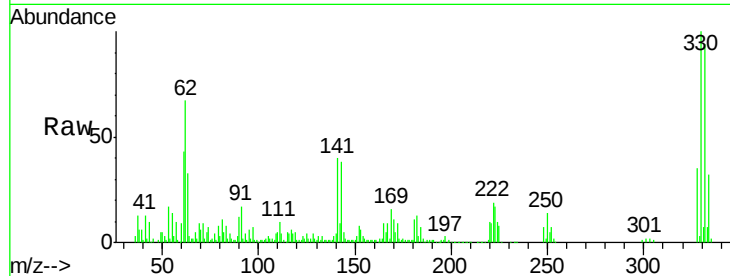




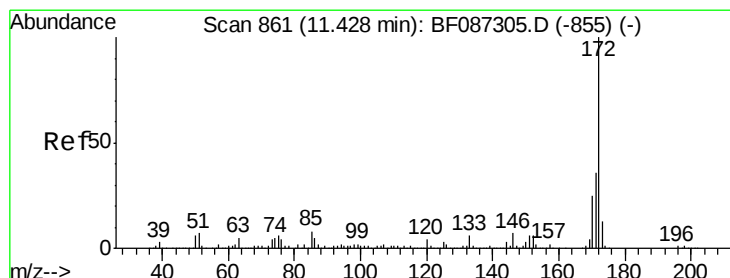
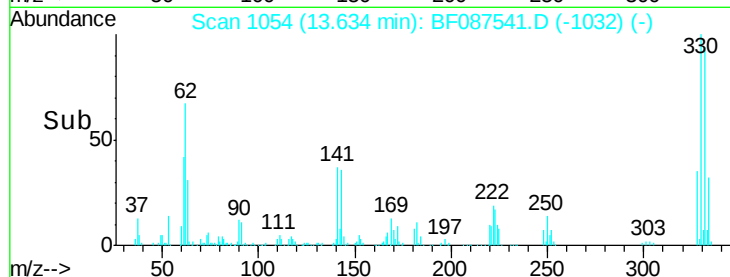
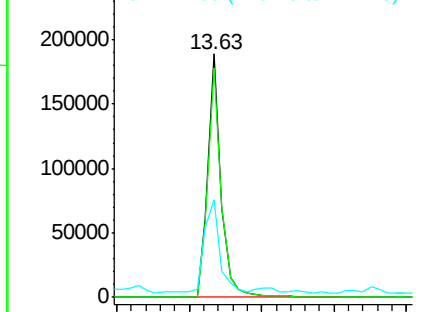
#41
 2,4,6-Tribromophenol
 Concen: 142.19 ng
 RT: 13.63 min Scan# 1054
 Delta R.T. -0.05 min
 Lab File: BF087541.D
 Acq: 30 May 2016 7:58

Instrument :
 BNA_F
 ClientSampleId :
 B3GW

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	79.0	118.4
141	42.9	31.2	46.8

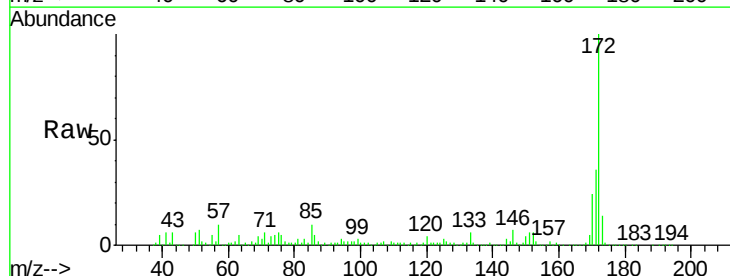


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

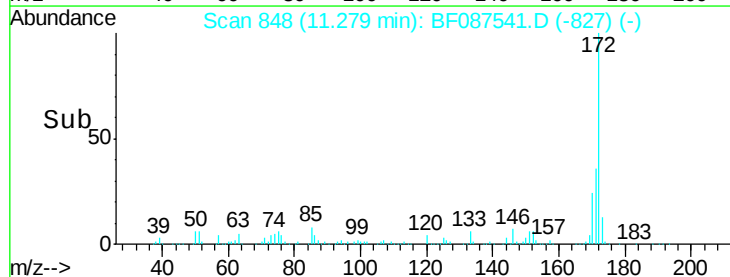
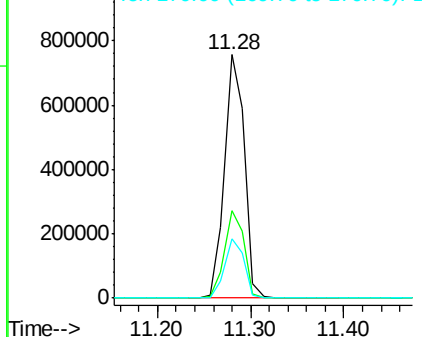


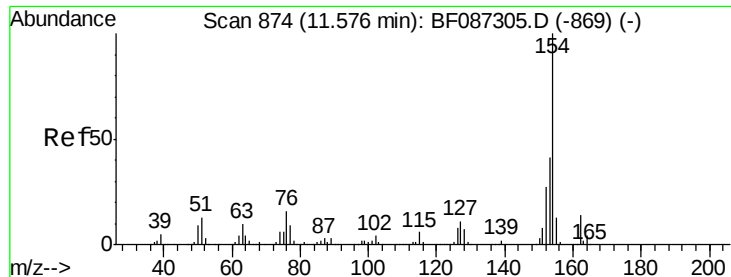
#44
 2-Fluorobiphenyl
 Concen: 89.10 ng
 RT: 11.28 min Scan# 848
 Delta R.T. -0.06 min
 Lab File: BF087541.D
 Acq: 30 May 2016 7:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.6
170	24.3	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





#45

1,1'-Biphenyl

Concen: 11.85 ng

RT: 11.44 min Scan# 862

Delta R.T. -0.05 min

Lab File: BF087541.D

Acq: 30 May 2016 7:58

Instrument :

BNA_F

ClientSampleId :

B3GW

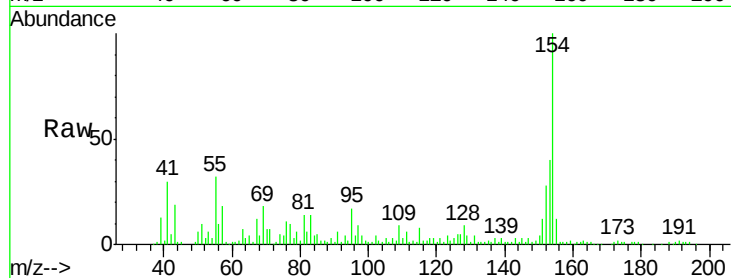
Tot Ion:154 Resp: 177280

Ion Ratio Lower Upper

154 100

153 40.1 20.3 60.3

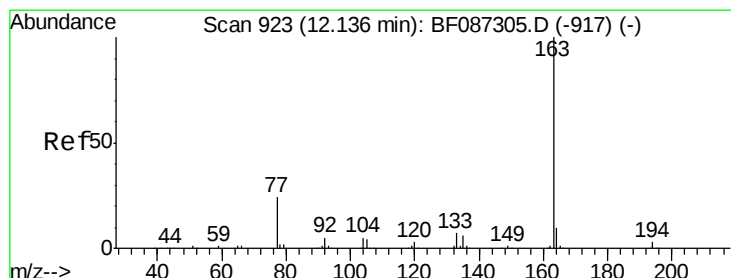
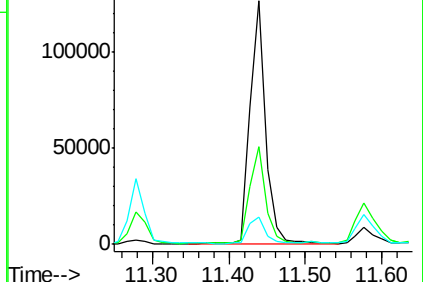
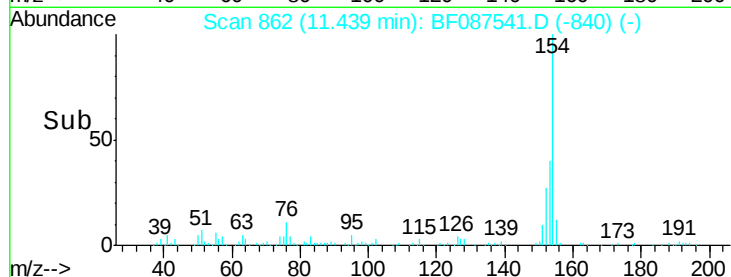
76 11.5 0.0 30.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#49

Dimethylphthalate

Concen: 3.68 ng

RT: 11.99 min Scan# 910

Delta R.T. -0.06 min

Lab File: BF087541.D

Acq: 30 May 2016 7:58

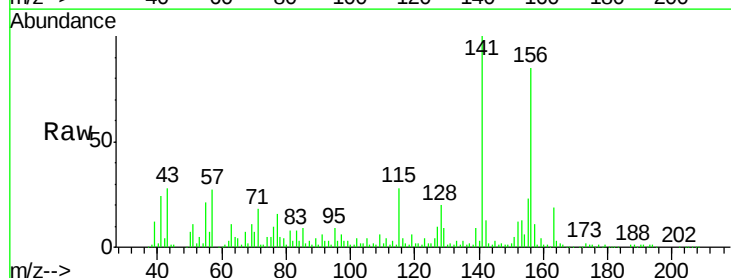
Tgt Ion:163 Resp: 52319

Ion Ratio Lower Upper

163 100

194 4.3 2.6 4.0#

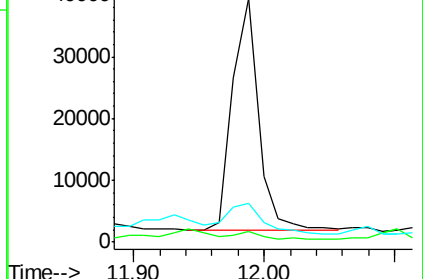
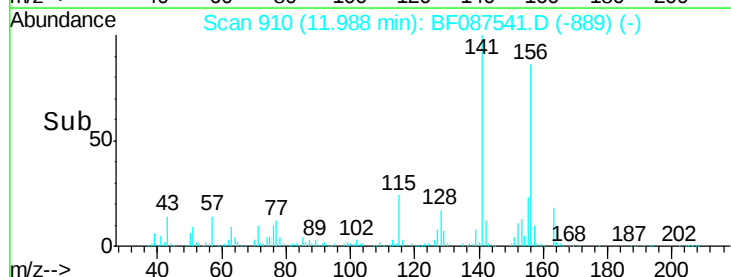
164 15.8 8.2 12.4#

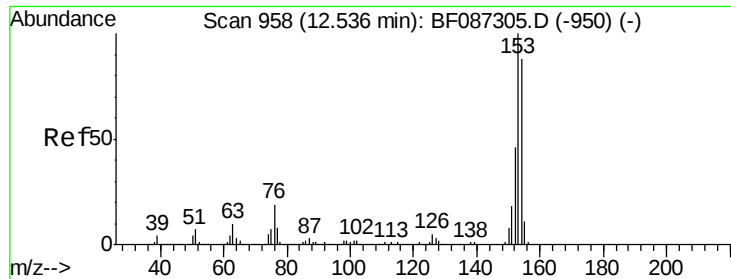


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 6.00 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.05 min

Lab File: BF087541.D

Acq: 30 May 2016 7:58

Instrument :

BNA_F

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B3GW

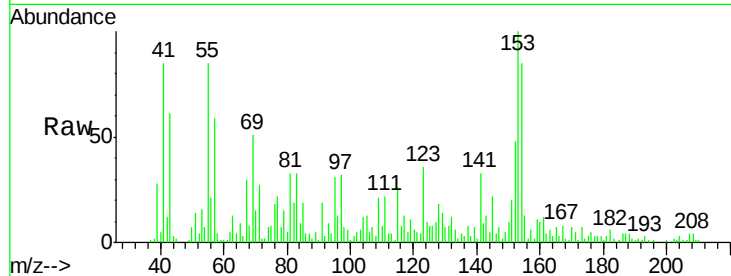
Tot Ion:154 Resp: 66789

Ion Ratio Lower Upper

154 100

153 117.6 89.8 134.6

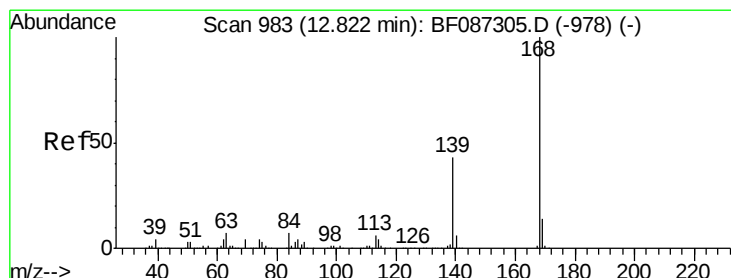
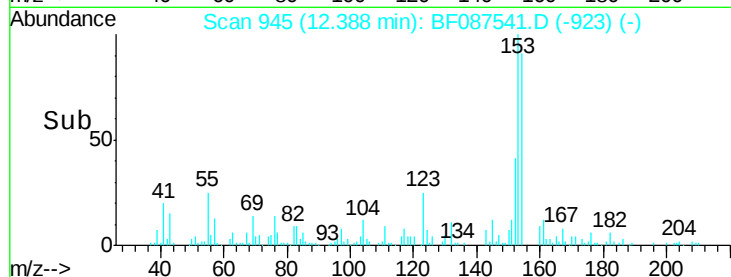
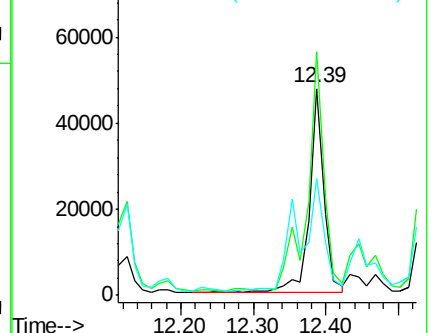
152 56.3 43.4 65.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 6.43 ng

RT: 12.69 min Scan# 971

Delta R.T. -0.03 min

Lab File: BF087541.D

Acq: 30 May 2016 7:58

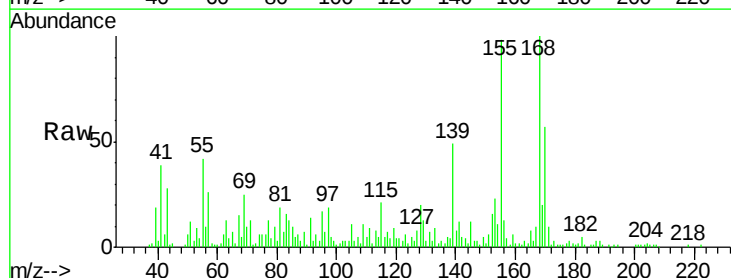
Tgt Ion:168 Resp: 96933

Ion Ratio Lower Upper

168 100

139 48.9 31.4 47.0#

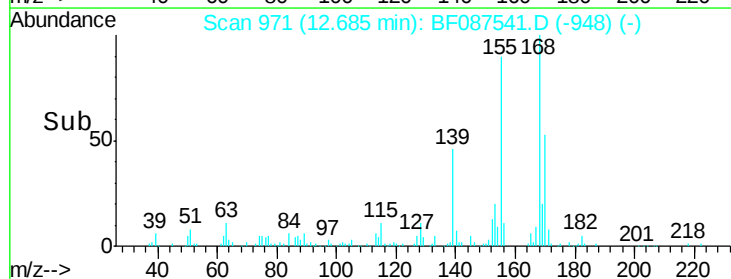
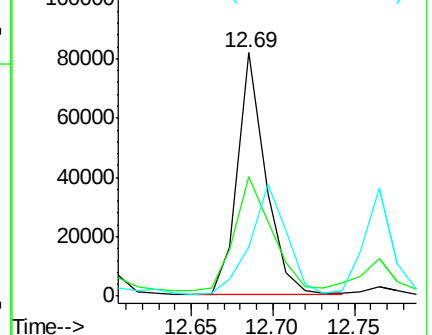
169 20.1 10.7 16.1#

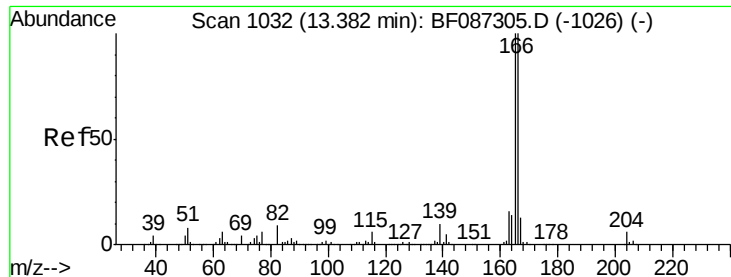


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 8.02 ng

RT: 13.23 min Scan# 1019

Delta R.T. -0.05 min

Lab File: BF087541.D

Acq: 30 May 2016 7:58

Instrument :

BNA_F

ClientSampleId :

B3GW

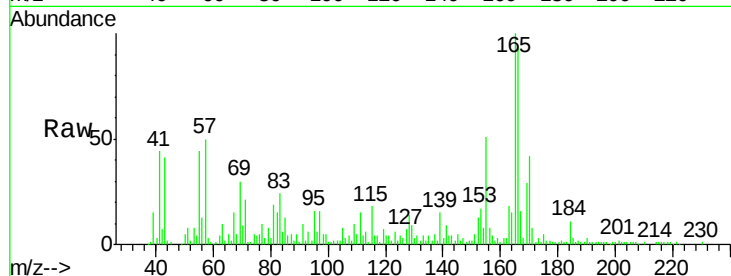
Tot Ion:166 Resp: 104826

Ion Ratio Lower Upper

166 100

165 106.2 79.0 118.6

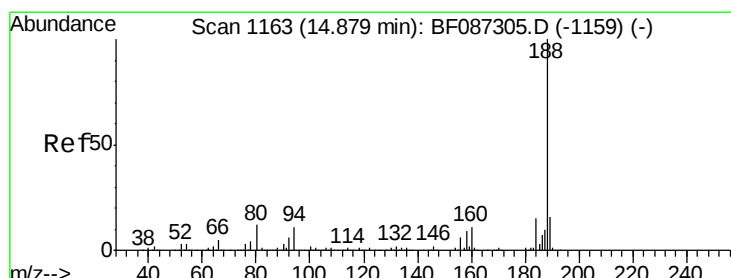
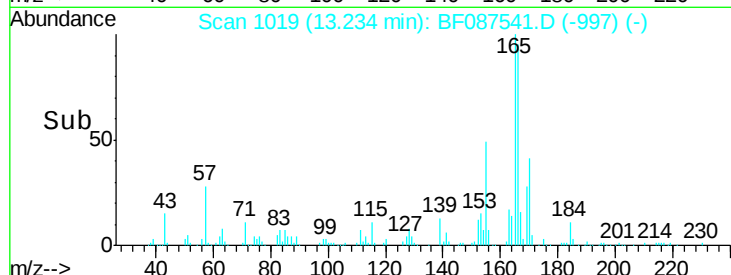
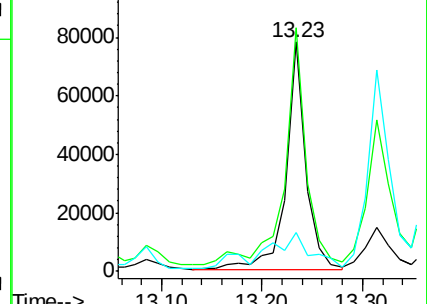
167 17.0 10.6 15.8#



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: 20.00 ng

RT: 14.74 min Scan# 1151

Delta R.T. -0.03 min

Lab File: BF087541.D

Acq: 30 May 2016 7:58

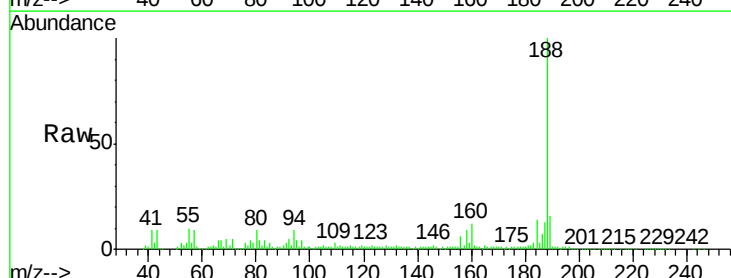
Tgt Ion:188 Resp: 314340

Ion Ratio Lower Upper

188 100

94 8.5 6.8 10.2

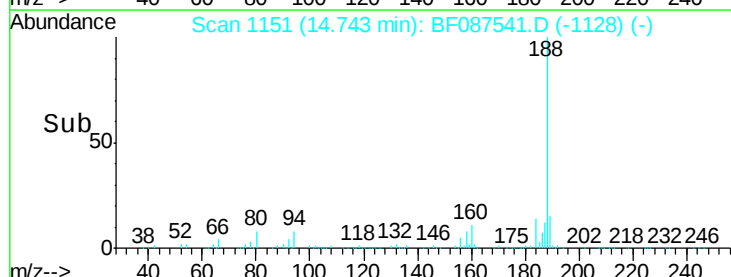
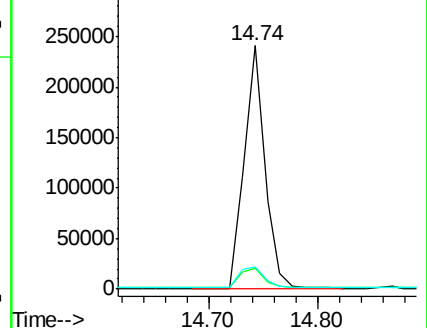
80 8.9 7.1 10.7

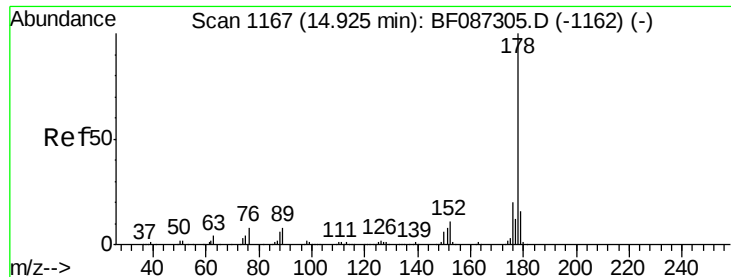


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 10.32 ng

RT: 14.78 min Scan# 1154

Delta R.T. -0.05 min

Lab File: BF087541.D

Acq: 30 May 2016 7:58

Instrument :

BNA_F

ClientSampleId :

B3GW

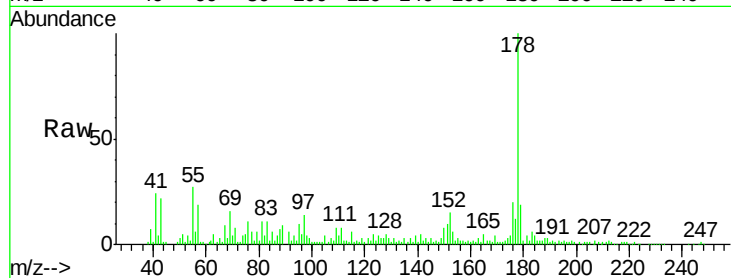
Tot Ion:178 Resp: 179744

Ion Ratio Lower Upper

178 100

176 20.1 16.0 24.0

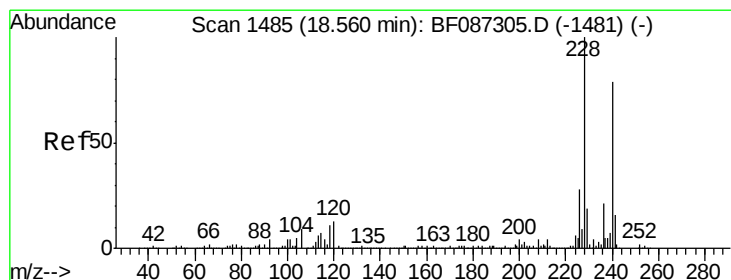
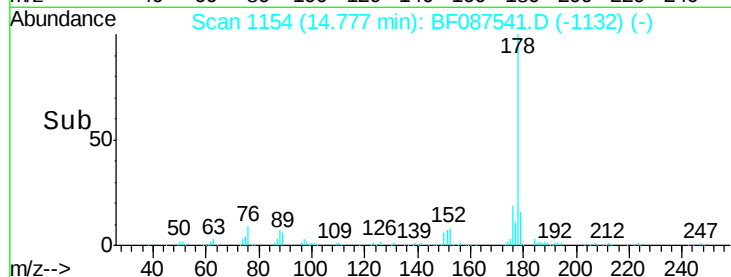
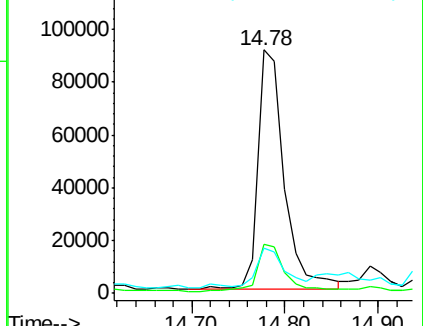
179 18.6 12.6 18.8



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: 20.00 ng

RT: 18.46 min Scan# 1476

Delta R.T. -0.02 min

Lab File: BF087541.D

Acq: 30 May 2016 7:58

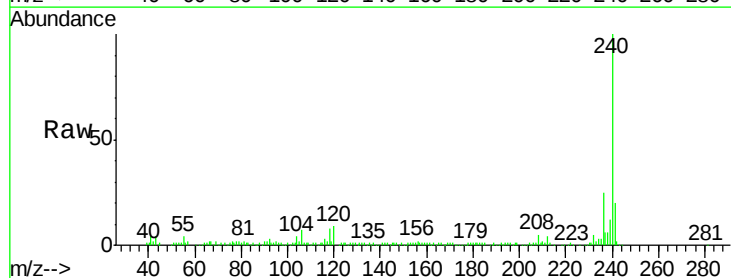
Tgt Ion:240 Resp: 221474

Ion Ratio Lower Upper

240 100

120 9.5 11.2 16.8#

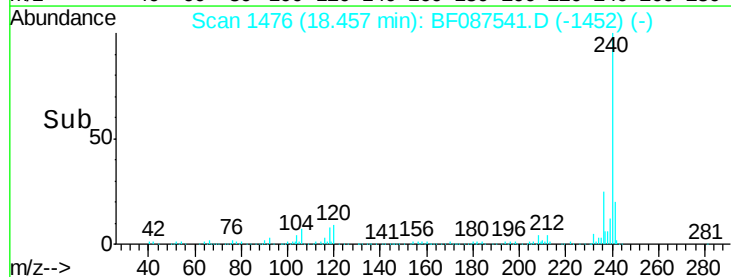
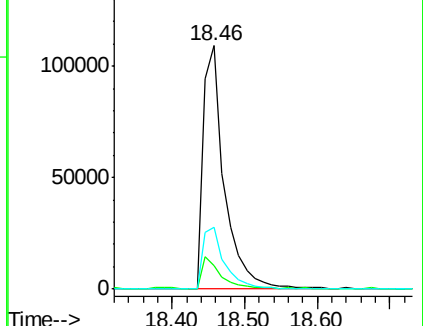
236 25.2 21.2 31.8

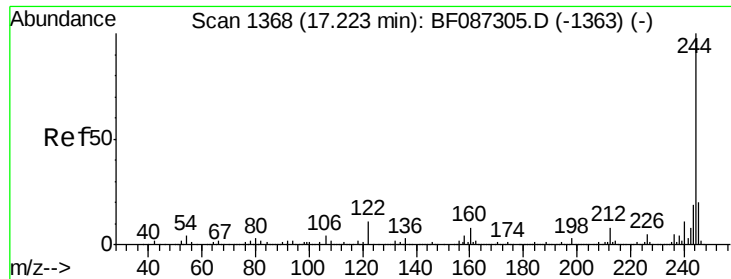


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

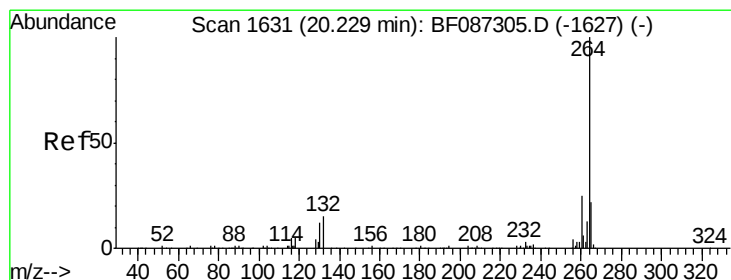
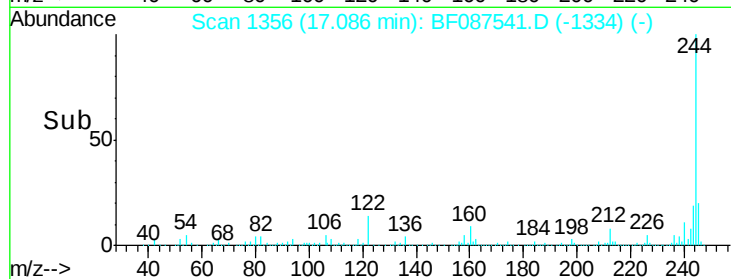
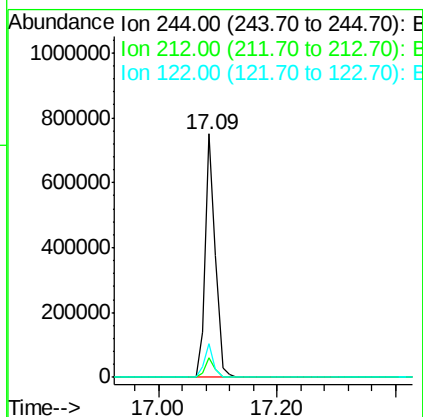
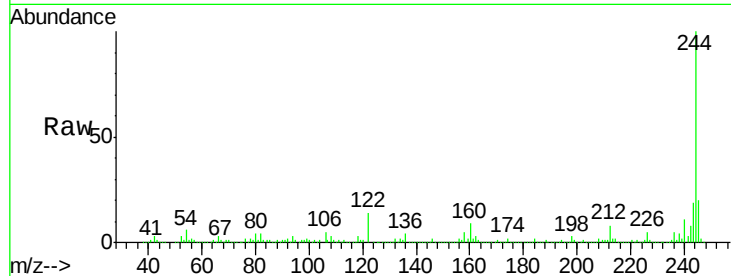




#78
 Terphenyl-d14
 Concen: 86.84 ng
 RT: 17.09 min Scan# 1356
 Delta R.T. -0.05 min
 Lab File: BF087541.D
 Acq: 30 May 2016 7:58

Instrument :
 BNA_F
 ClientSampled :
 B3GW

Tot Ion:244 Resp: 904648
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.2 9.2
 122 14.0 12.0 18.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.14 min Scan# 1623
 Delta R.T. 0.00 min
 Lab File: BF087541.D
 Acq: 30 May 2016 7:58

Tgt Ion:264 Resp: 182716
 Ion Ratio Lower Upper
 264 100
 260 25.4 19.5 29.3
 265 23.0 17.3 25.9

