

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
 Data File : BF091582.D
 Acq On : 14 Dec 2016 13:29
 Operator : UM/SJ
 Sample : H5961-01DL2 20X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW26S-GWDL2

Quant Time: Dec 15 00:36:44 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

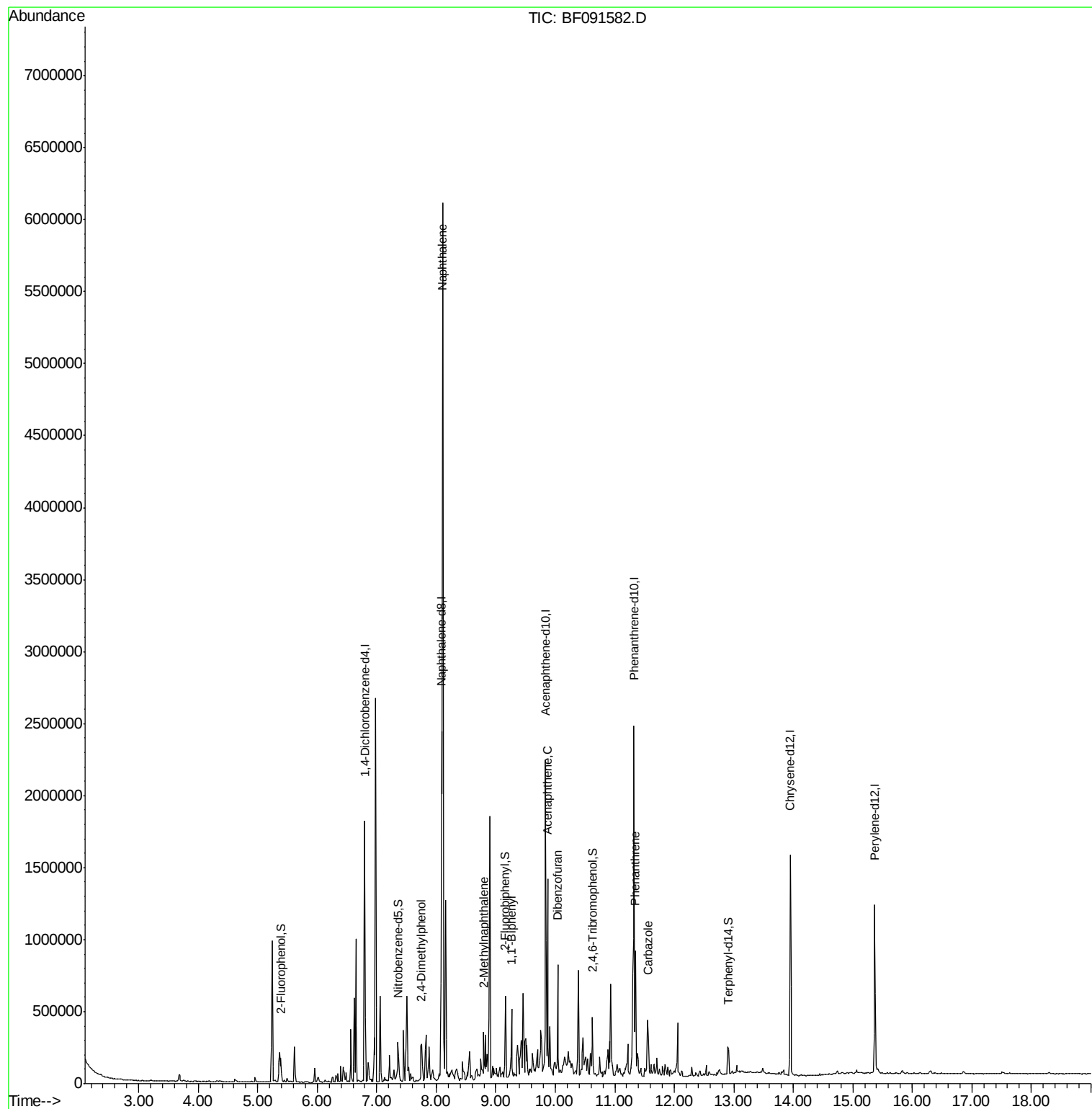
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	266594	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	1119476	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	520191	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	818262	20.00	ng	-0.01
75) Chrysene-d12	13.95	240	569758	20.00	ng	-0.01
86) Perylene-d12	15.37	264	530845	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	42255	2.67	ng	-0.02
7) Phenol-d6	6.43	99	38395	1.95	ng	-0.02
23) Nitrobenzene-d5	7.36	82	79554	3.97	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	30732	7.11	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	163592	5.43	ng	-0.02
78) Terphenyl-d14	12.91	244	83930	3.34	ng	-0.01
Target Compounds						Qvalue
27) 2,4-Dimethylphenol	7.74	122	63571	3.87	ng	94
31) Naphthalene	8.11	128	2624434	50.39	ng	99
37) 2-Methylnaphthalene	8.80	142	80586	2.39	ng	97
45) 1,1'-Biphenyl	9.26	154	127154	3.37	ng	94
51) Acenaphthene	9.87	154	289851	9.38	ng	96
54) Dibenzofuran	10.04	168	272622	7.13	ng	98
70) Phenanthrene	11.34	178	300375	7.41	ng	99
72) Carbazole	11.55	167	131327	3.43	ng	98

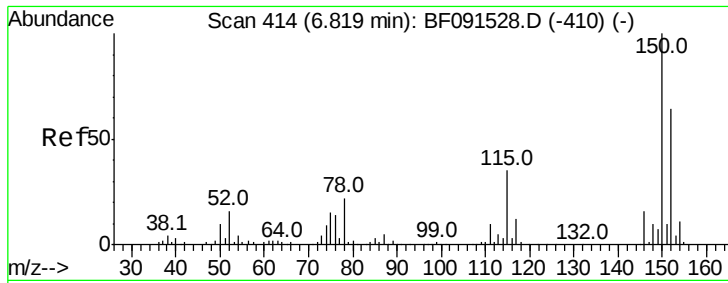
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
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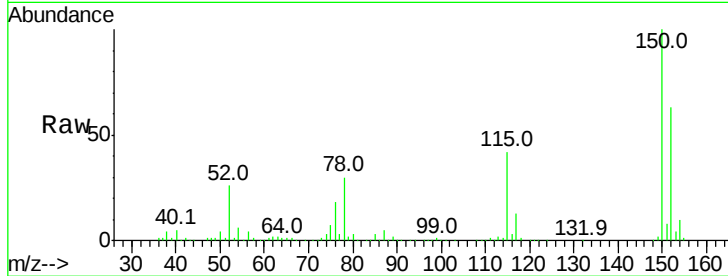


#1

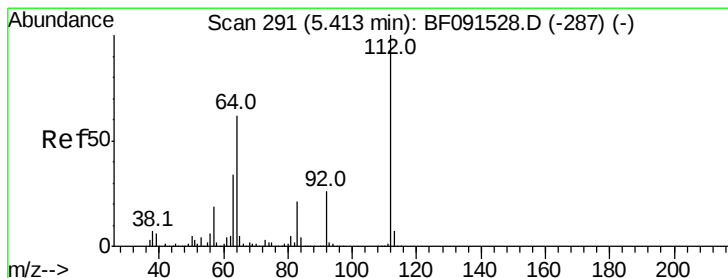
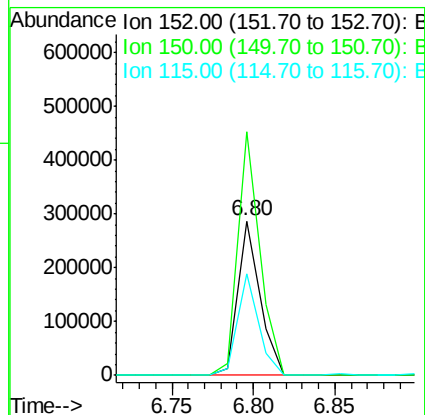
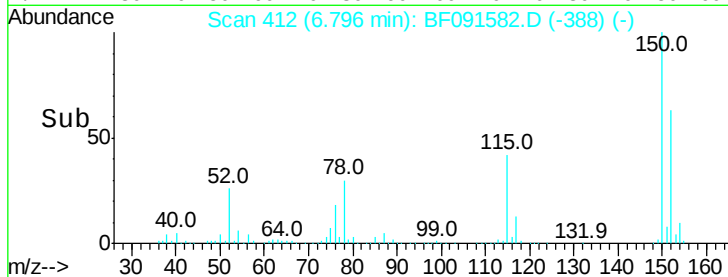
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 412
 Delta R.T. -0.02 min
 Lab File: BF091582.D
 Acq: 14 Dec 2016 13:29

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW26S-GWDL2

Tot Ion:152 Resp: 266594
 Ion Ratio Lower Upper
 152 100
 150 158.0 122.5 183.7
 115 66.0 51.8 77.8



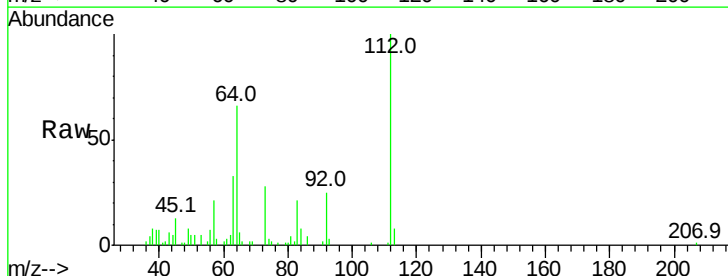
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



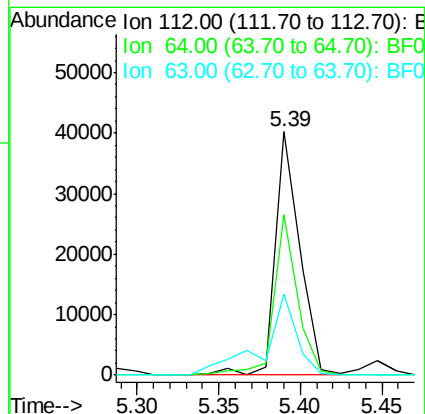
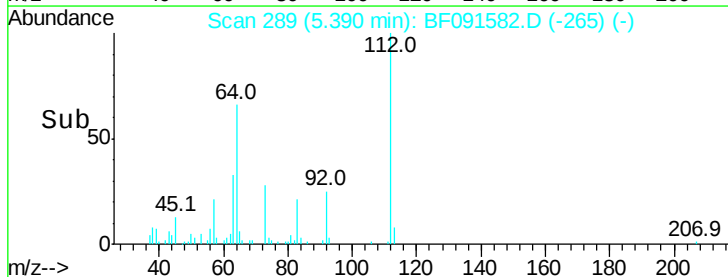
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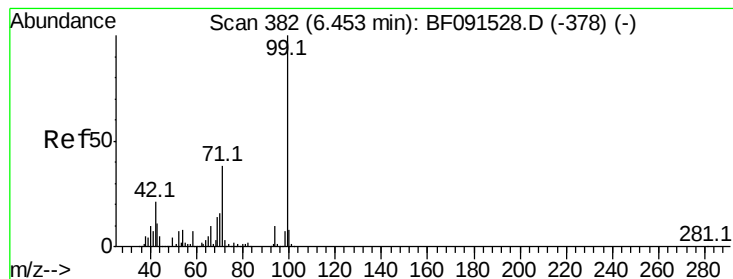
2-Fluorophenol
 Concen: 2.67 ng
 RT: 5.39 min Scan# 289
 Delta R.T. -0.02 min
 Lab File: BF091582.D
 Acq: 14 Dec 2016 13:29

Tgt Ion:112 Resp: 42255
 Ion Ratio Lower Upper
 112 100
 64 66.0 61.5 92.3
 63 33.5 33.3 49.9



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: 1.95 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.02 min

Lab File: BF091582.D

Acq: 14 Dec 2016 13:29

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GWDL2

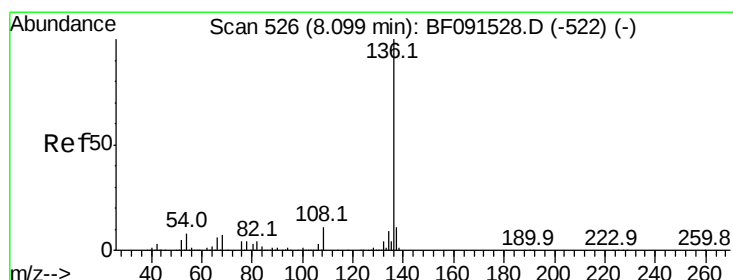
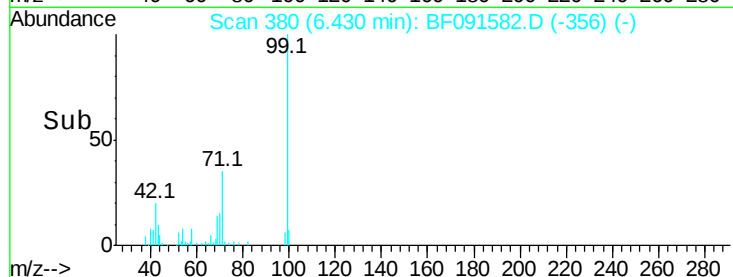
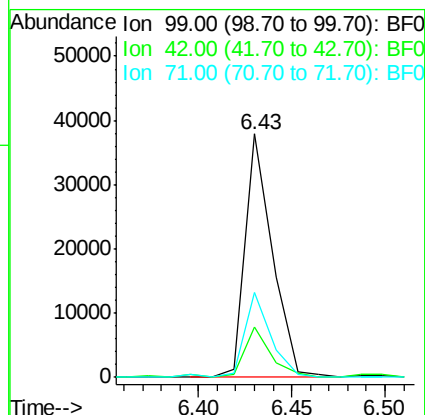
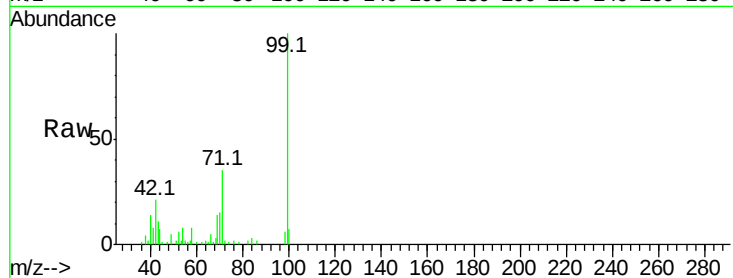
Tot Ion: 99 Resp: 38395

Ion Ratio Lower Upper

99 100

42 20.6 20.6 31.0#

71 34.8 29.9 44.9



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.01 min

Lab File: BF091582.D

Acq: 14 Dec 2016 13:29

Tgt Ion: 136 Resp: 1119476

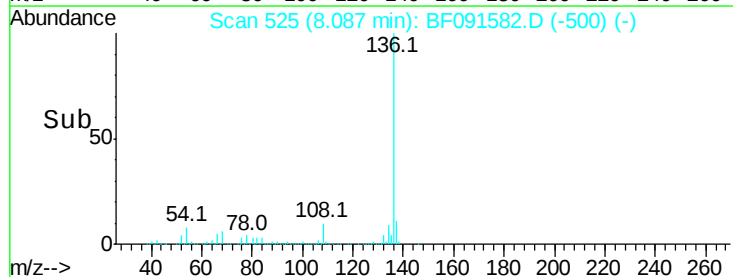
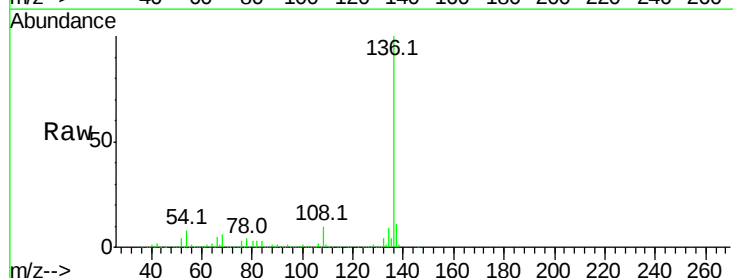
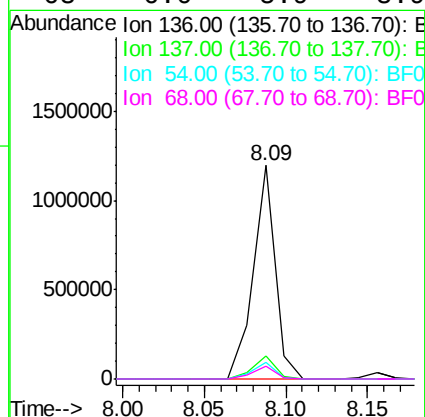
Ion Ratio Lower Upper

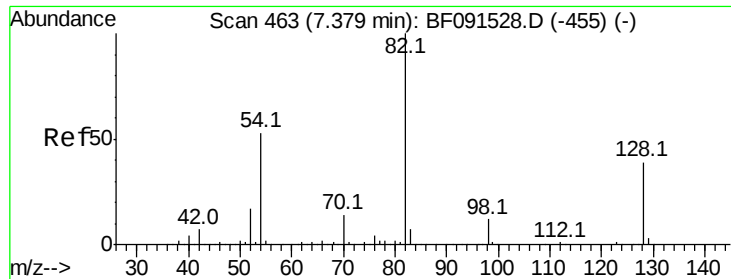
136 100

137 10.9 9.1 13.7

54 7.7 9.1 13.7#

68 6.0 5.9 8.9

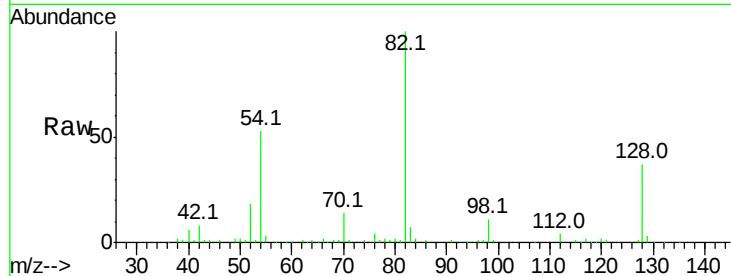




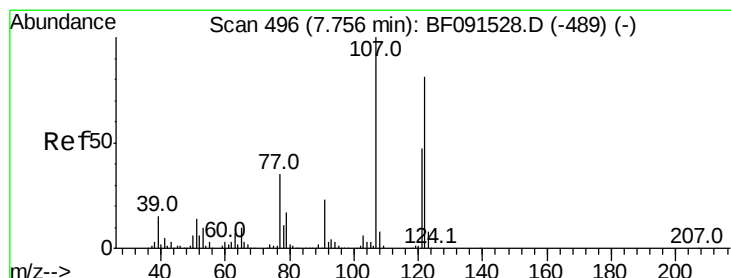
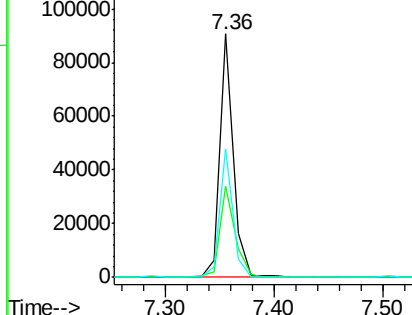
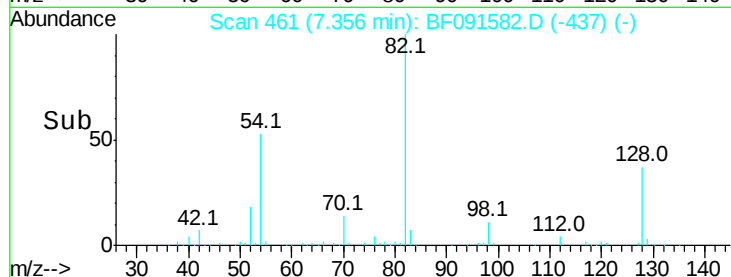
#23
 Nitrobenzene-d5
 Concen: 3.97 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.02 min
 Lab File: BF091582.D
 Acq: 14 Dec 2016 13:29

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW26S-GWDL2

Tot Ion	82	Resp	79554
Ion Ratio	100	Lower	Upper
128	37.5	31.8	47.6
54	53.0	49.1	73.7

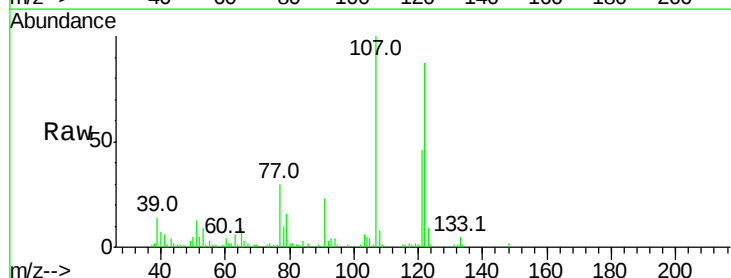


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

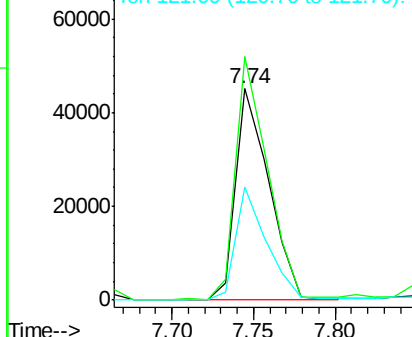
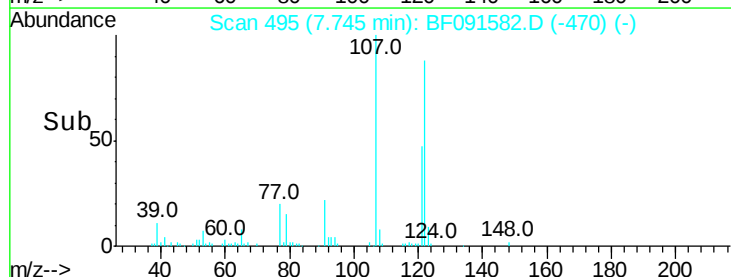


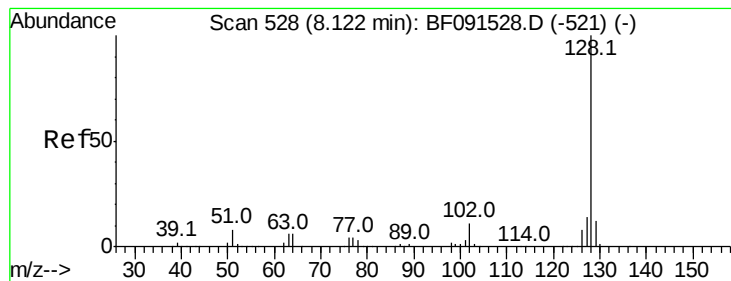
#27
 2,4-Dimethylphenol
 Concen: 3.87 ng
 RT: 7.74 min Scan# 495
 Delta R.T. -0.01 min
 Lab File: BF091582.D
 Acq: 14 Dec 2016 13:29

Tgt Ion	122	Resp	63571
Ion Ratio	100	Lower	Upper
107	115.1	96.8	145.2
121	53.3	47.7	71.5



Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E





#31

Naphthalene

Concen: 50.39 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.01 min

Lab File: BF091582.D

Acq: 14 Dec 2016 13:29

Instrument :

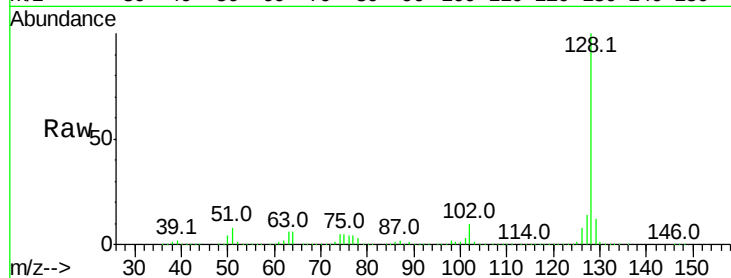
BNA_F

ClientSampleId :

QNWP8-MW26S-GWDL2

Tot Ion:128 Resp: 2624434

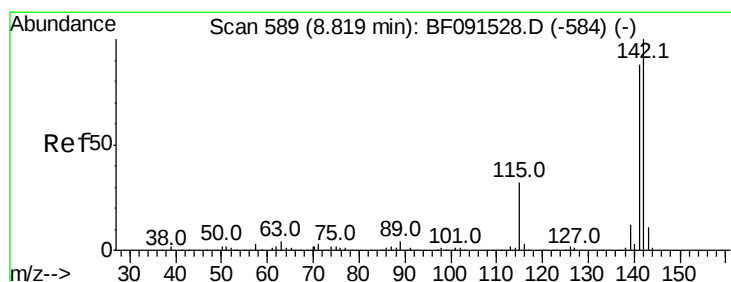
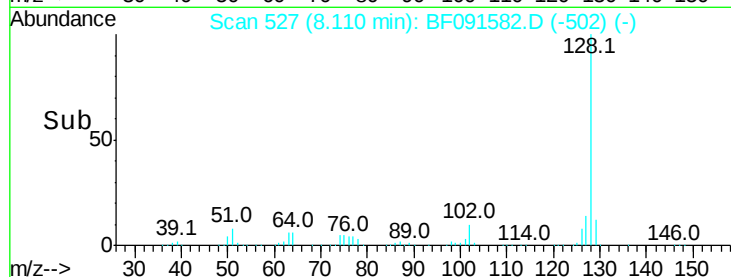
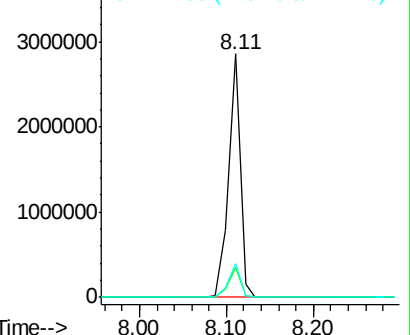
Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.1	13.7
127	14.1	11.0	16.4



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: 2.39 ng

RT: 8.80 min Scan# 587

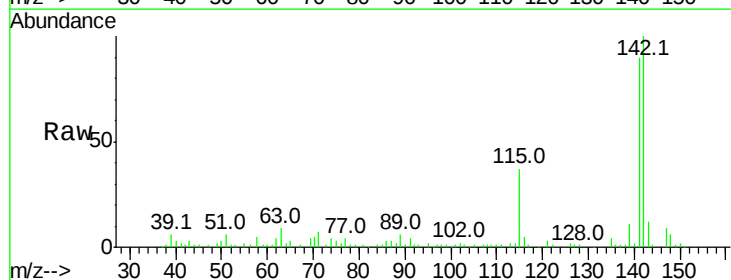
Delta R.T. -0.02 min

Lab File: BF091582.D

Acq: 14 Dec 2016 13:29

Tgt Ion:142 Resp: 80586

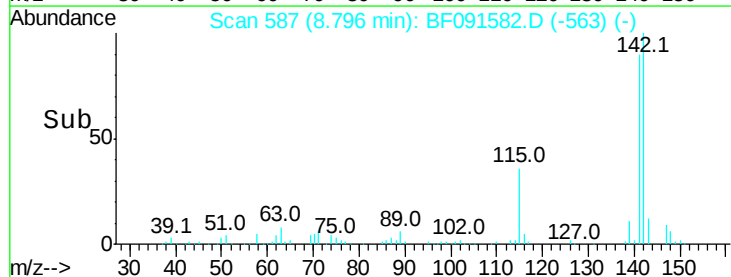
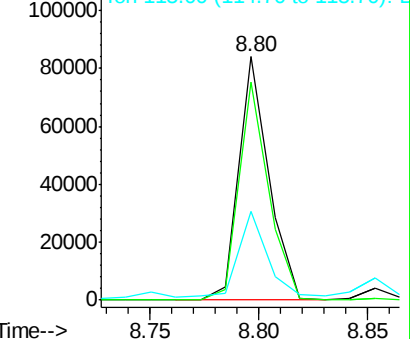
Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.7	107.5
115	36.7	25.0	37.6

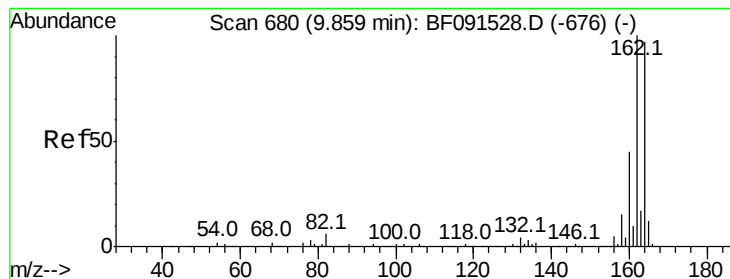


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.02 min

Lab File: BF091582.D

Acq: 14 Dec 2016 13:29

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GWDL2

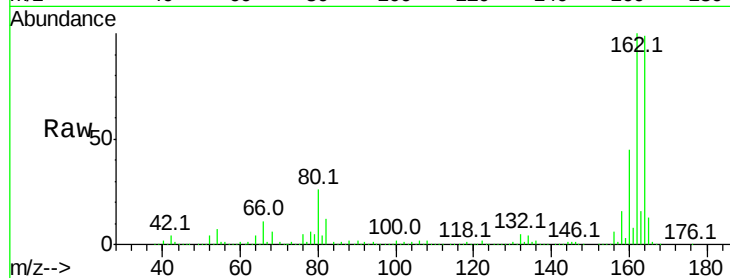
Tot Ion:164 Resp: 520191

Ion Ratio Lower Upper

164 100

162 101.0 82.6 124.0

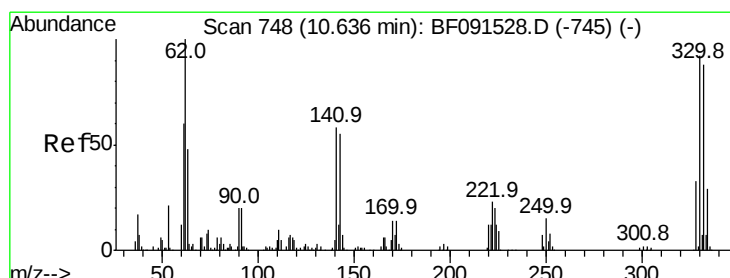
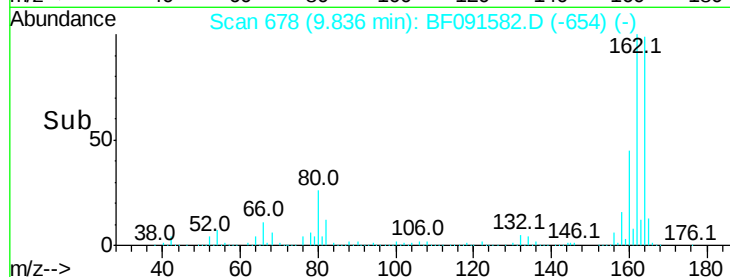
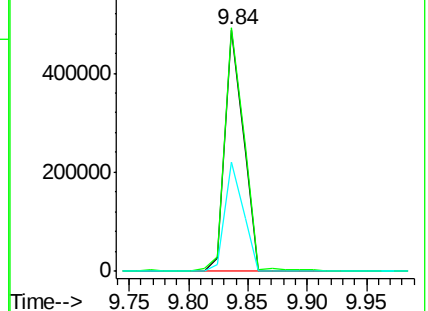
160 45.4 36.7 55.1



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: 7.11 ng

RT: 10.62 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF091582.D

Acq: 14 Dec 2016 13:29

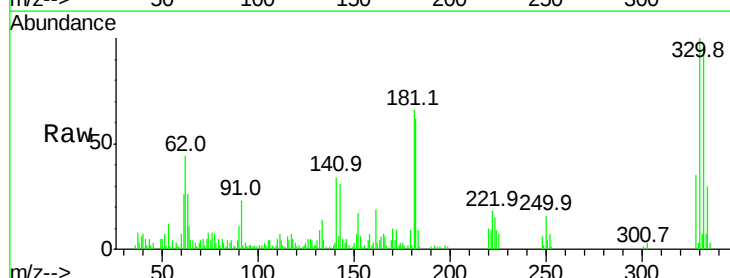
Tgt Ion:330 Resp: 30732

Ion Ratio Lower Upper

330 100

332 95.4 76.2 114.4

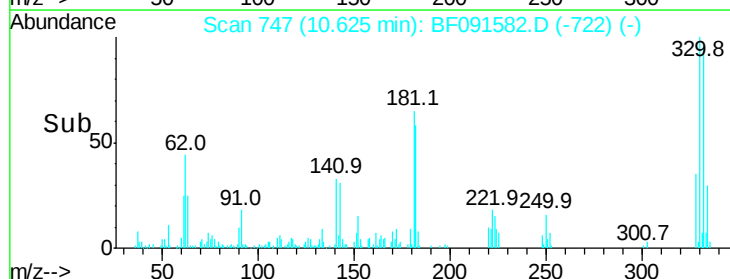
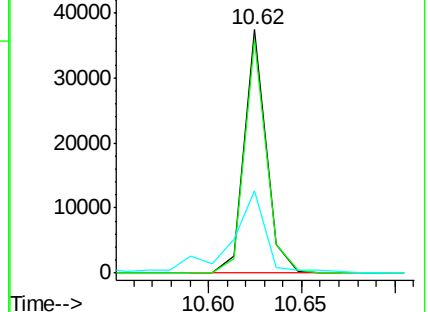
141 55.0 33.6 50.4#

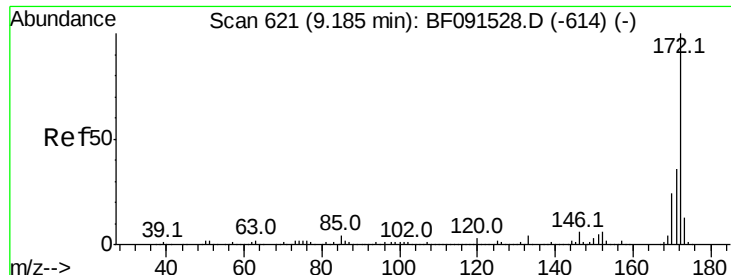


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

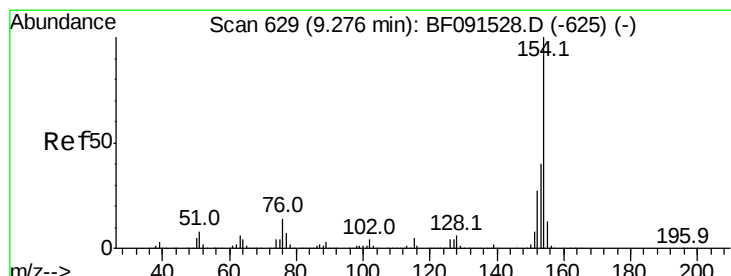
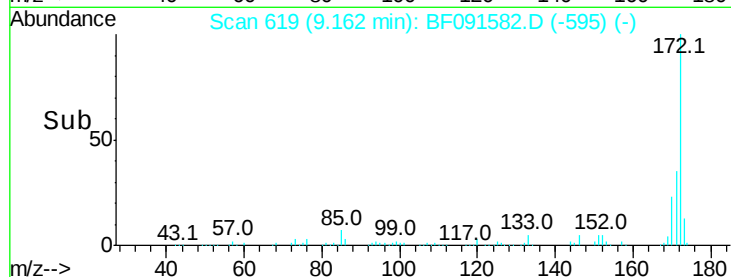
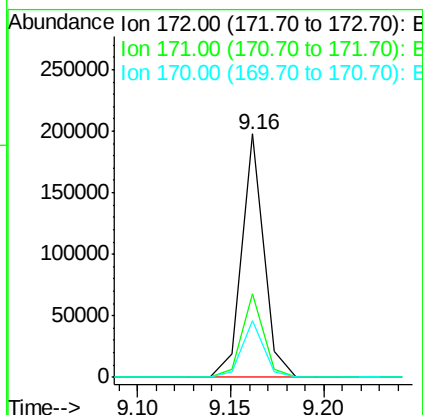
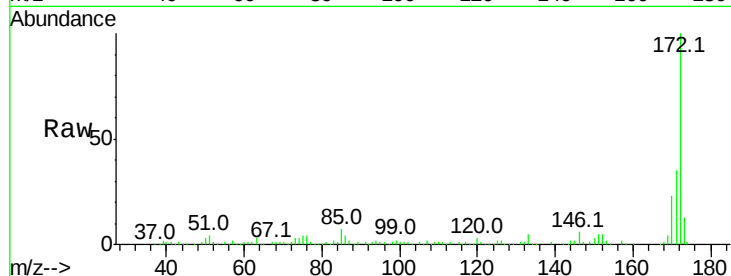




#44
2-Fluorobiphenyl
Concen: 5.43 ng
RT: 9.16 min Scan# 619
Delta R.T. -0.02 min
Lab File: BF091582.D
Acq: 14 Dec 2016 13:29

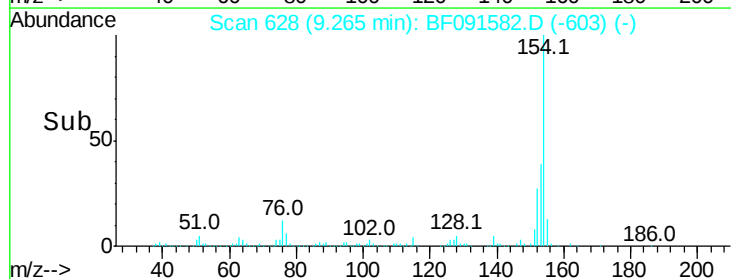
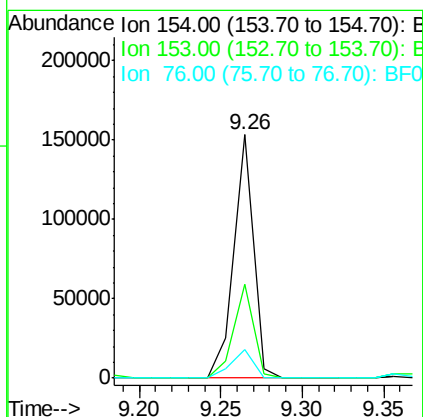
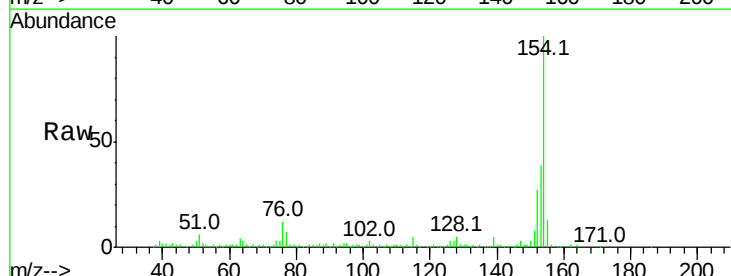
Instrument :
BNA_F
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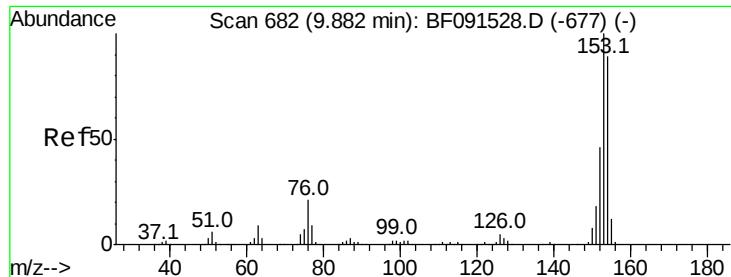
Tot Ion:172 Resp: 163592
Ion Ratio Lower Upper
172 100
171 34.5 29.4 44.0
170 23.2 19.7 29.5



#45
1,1'-Biphenyl
Concen: 3.37 ng
RT: 9.26 min Scan# 628
Delta R.T. -0.01 min
Lab File: BF091582.D
Acq: 14 Dec 2016 13:29

Tgt Ion:154 Resp: 127154
Ion Ratio Lower Upper
154 100
153 38.7 20.6 60.6
76 11.6 0.0 36.6





#51

Acenaphthene

Concen: 9.38 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF091582.D

Acq: 14 Dec 2016 13:29

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GWDL2

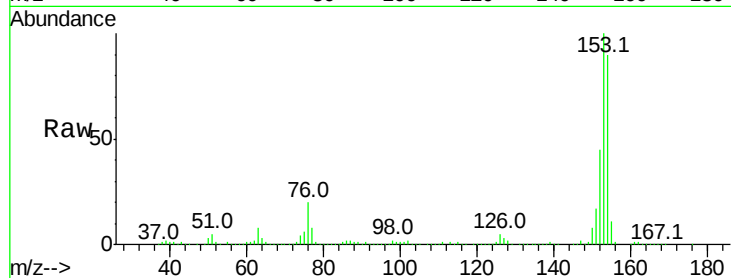
Tot Ion:154 Resp: 289851

Ion Ratio Lower Upper

154 100

153 110.9 91.0 136.6

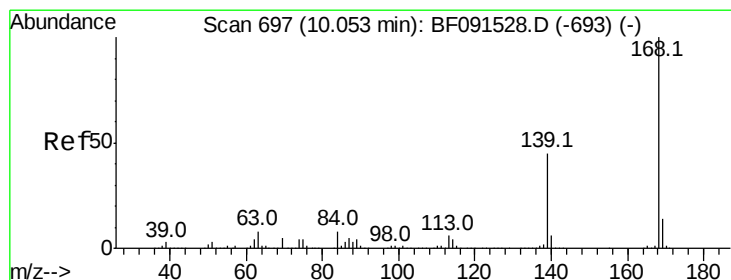
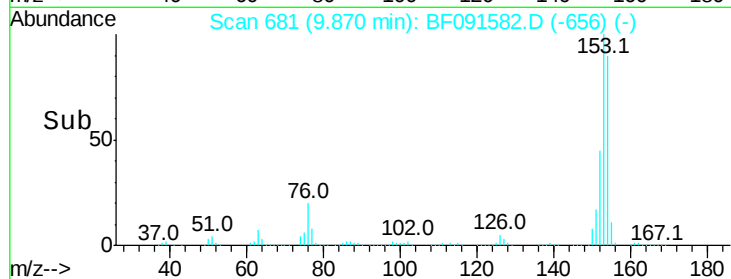
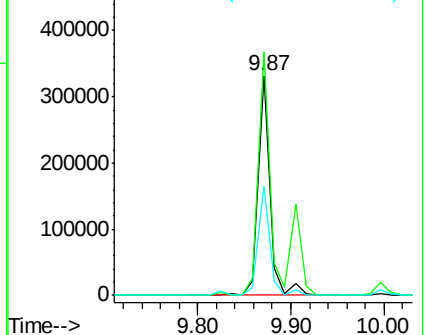
152 49.8 44.2 66.2



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: 7.13 ng

RT: 10.04 min Scan# 696

Delta R.T. -0.01 min

Lab File: BF091582.D

Acq: 14 Dec 2016 13:29

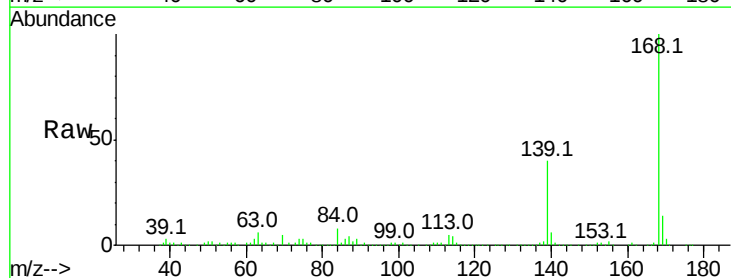
Tgt Ion:168 Resp: 272622

Ion Ratio Lower Upper

168 100

139 40.4 33.4 50.2

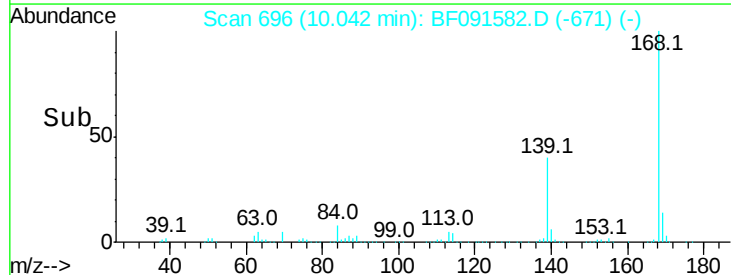
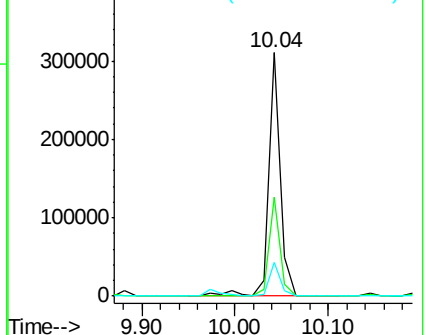
169 14.0 11.1 16.7

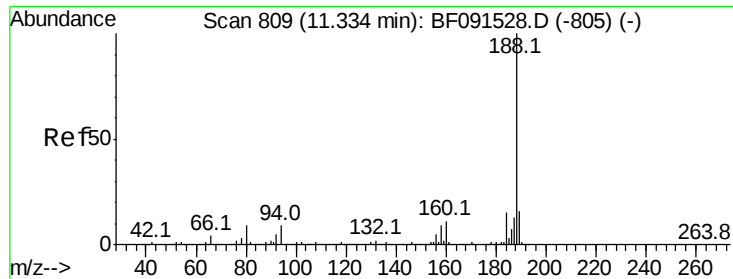


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

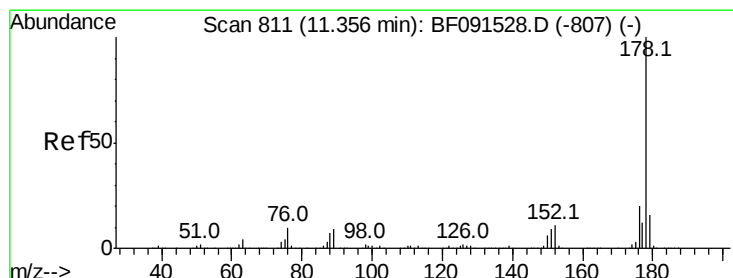
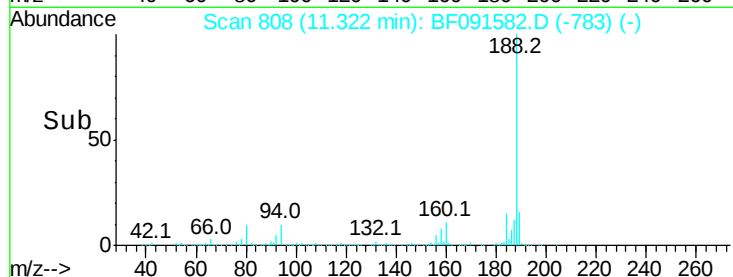
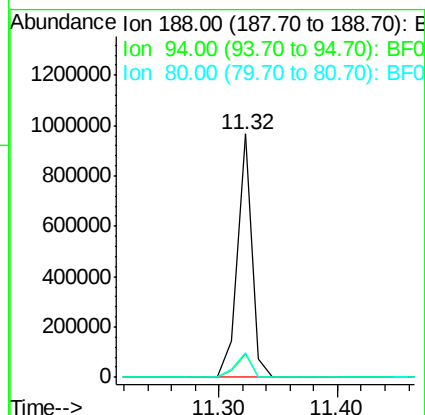
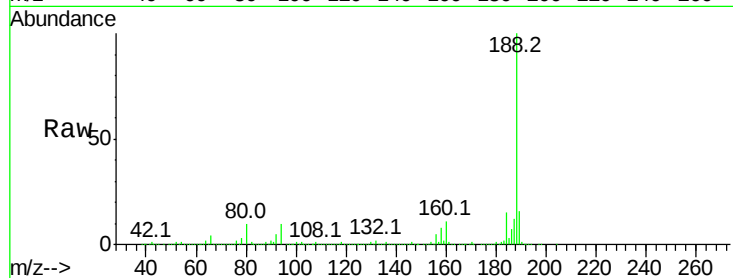




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF091582.D
Acq: 14 Dec 2016 13:29

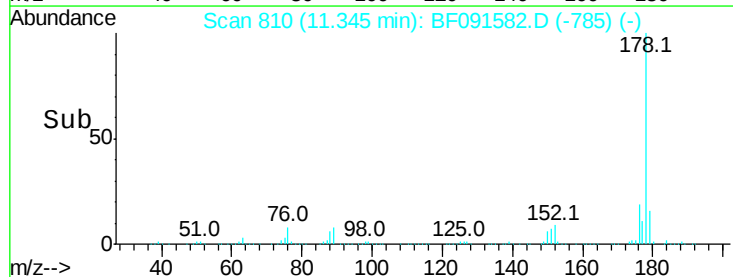
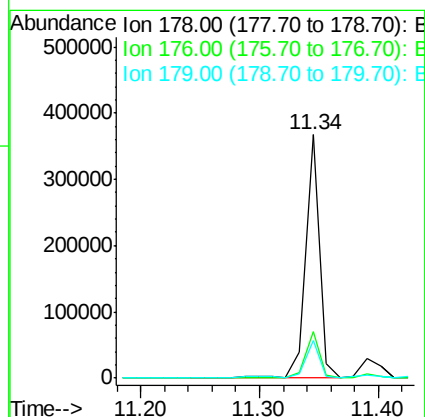
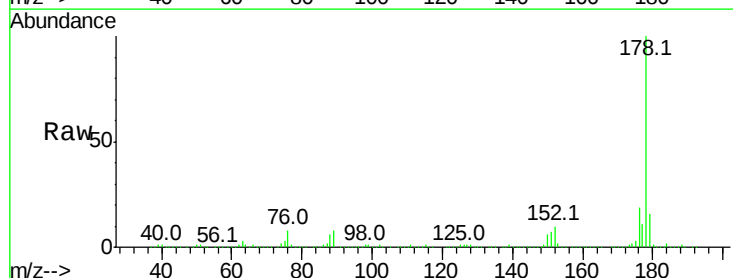
Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GWDL2

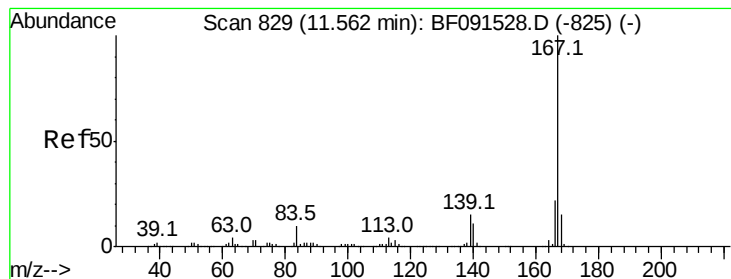
Tot Ion:188 Resp: 818262
Ion Ratio Lower Upper
188 100
94 9.8 9.2 13.8
80 10.4 10.5 15.7#



#70
Phenanthrene
Concen: 7.41 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF091582.D
Acq: 14 Dec 2016 13:29

Tgt Ion:178 Resp: 300375
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 15.7 12.6 18.8





#72

Carbazole

Concen: 3.43 ng

RT: 11.55 min Scan# 828

Delta R.T. -0.01 min

Lab File: BF091582.D

Acq: 14 Dec 2016 13:29

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GWDL2

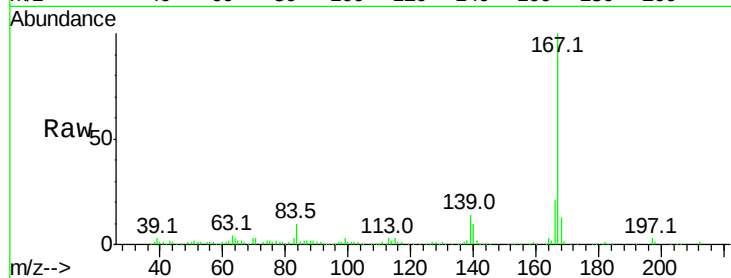
Tot Ion:167 Resp: 131327

Ion Ratio Lower Upper

167 100

166 20.9 18.1 27.1

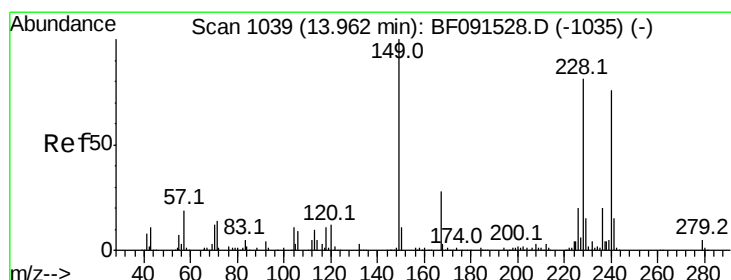
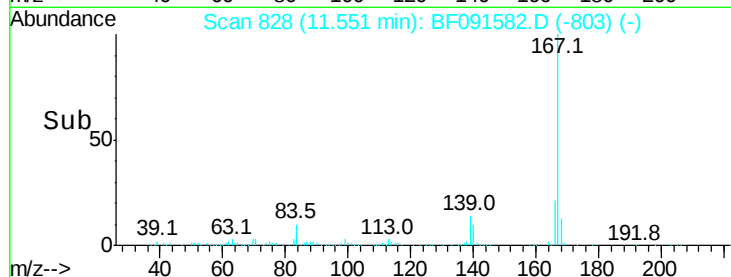
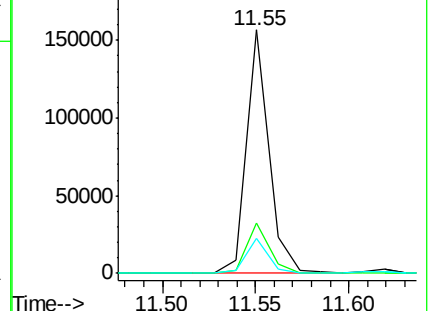
139 14.3 11.5 17.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF091582.D

Acq: 14 Dec 2016 13:29

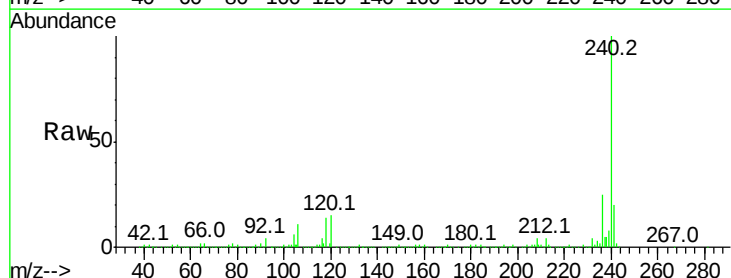
Tgt Ion:240 Resp: 569758

Ion Ratio Lower Upper

240 100

120 15.1 12.1 18.1

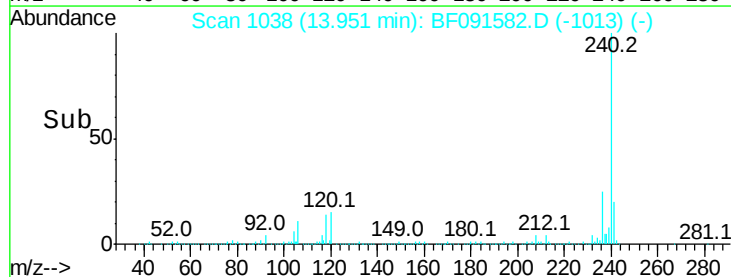
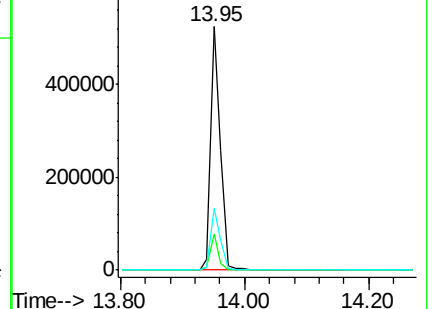
236 25.2 21.0 31.6

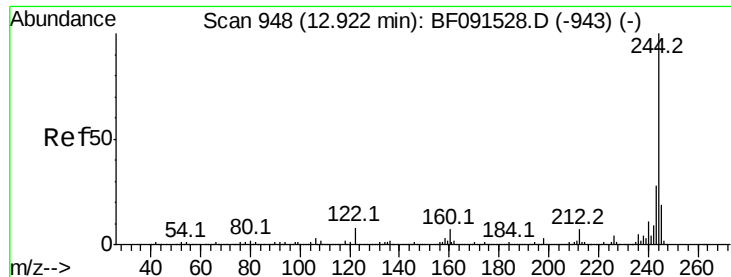


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 3.34 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF091582.D

Acq: 14 Dec 2016 13:29

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GWDL2

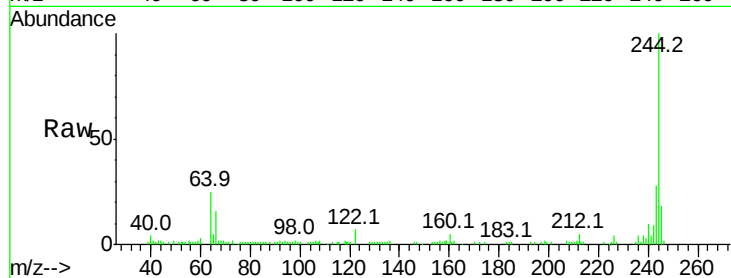
Tot Ion:244 Resp: 83930

Ion Ratio Lower Upper

244 100

212 5.0 6.5 9.7#

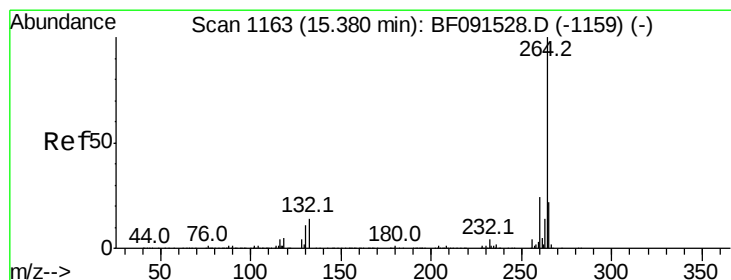
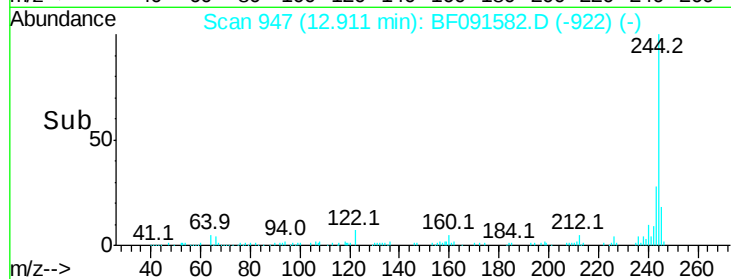
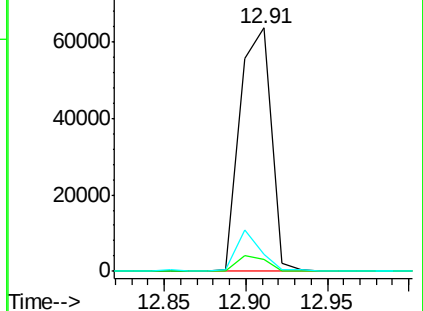
122 6.9 9.5 14.3#



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: 20.00 ng

RT: 15.37 min Scan# 1162

Delta R.T. -0.01 min

Lab File: BF091582.D

Acq: 14 Dec 2016 13:29

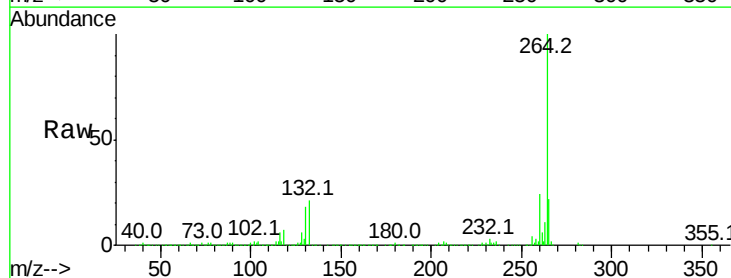
Tgt Ion:264 Resp: 530845

Ion Ratio Lower Upper

264 100

260 24.0 18.8 28.2

265 21.6 17.0 25.6



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

