

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122016\
 Data File : BF091815.D
 Acq On : 20 Dec 2016 12:59
 Operator : UM/SJ
 Sample : H6147-07
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-02

Quant Time: Dec 21 00:18:36 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 22:53:54 2016
 Response via : Initial Calibration

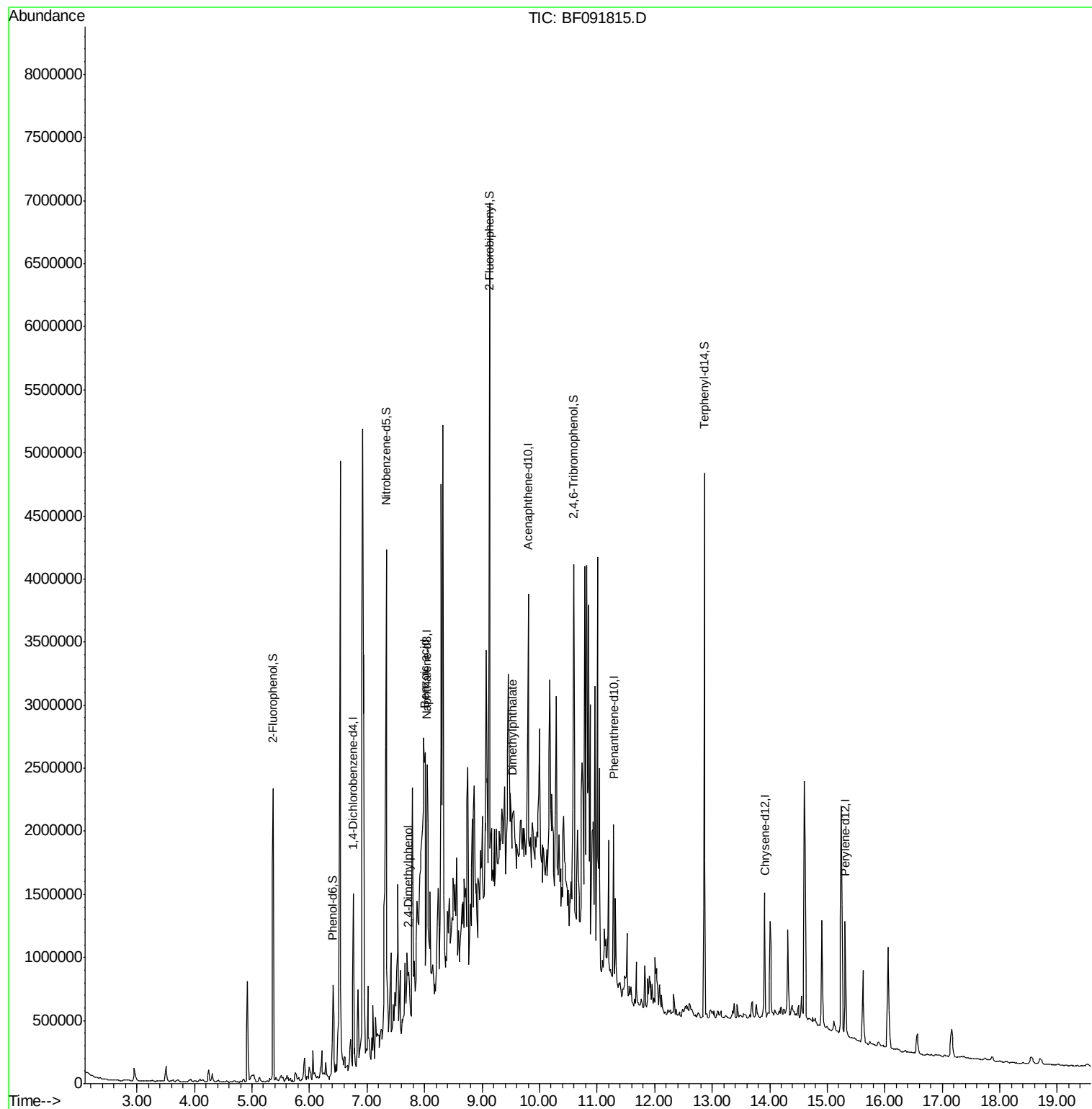
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	230151	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	821535	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	431427	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	668004	20.00	ng	0.00
75) Chrysene-d12	13.92	240	476547	20.00	ng	-0.01
86) Perylene-d12	15.31	264	421327	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	855580	62.28	ng	0.00
7) Phenol-d6	6.41	99	357437	21.33	ng	-0.01
23) Nitrobenzene-d5	7.33	82	1491881	104.72	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	436085	119.20	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	1919786	89.40	ng	-0.01
78) Terphenyl-d14	12.87	244	1495958	79.26	ng	-0.01
Target Compounds						Qvalue
27) 2,4-Dimethylphenol	7.72	122	70177	5.83	ng	96
32) Benzoic acid	8.01	122	2393290	278.95	ng	99
49) Dimethylphthalate	9.53	163	94548	3.36	ng	# 87

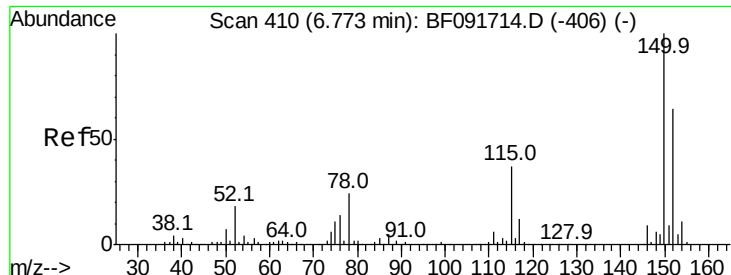
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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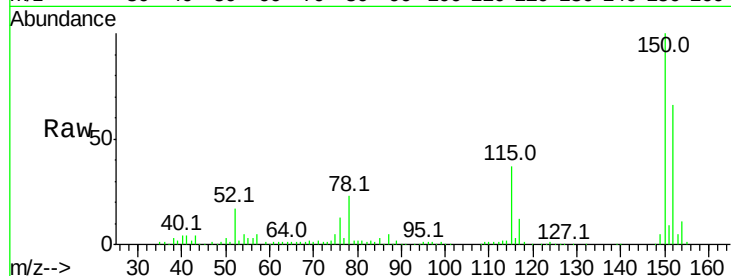


#1

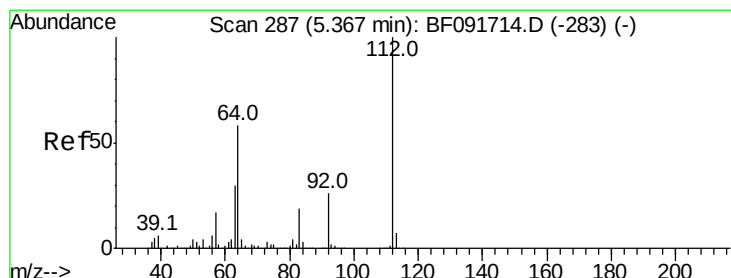
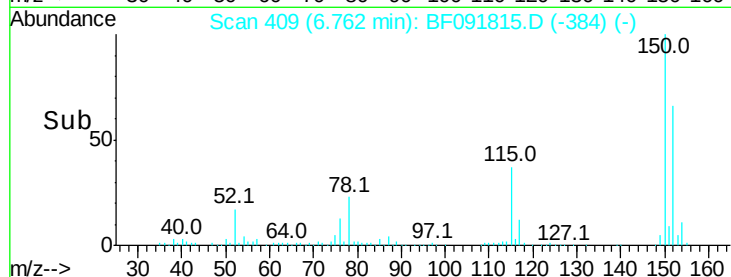
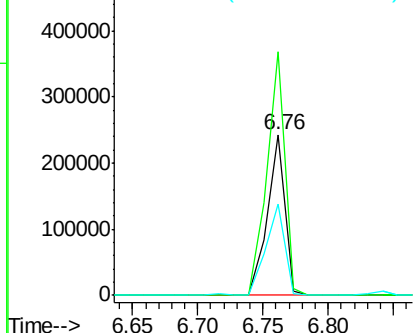
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 409
Delta R.T. -0.01 min
Lab File: BF091815.D
Acq: 20 Dec 2016 12:59

Instrument :
BNA_F
ClientSampleId :
MW-02

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.5	124.9	187.3
115	56.7	46.0	69.0



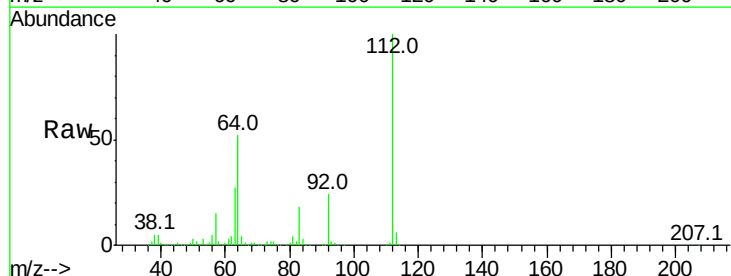
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



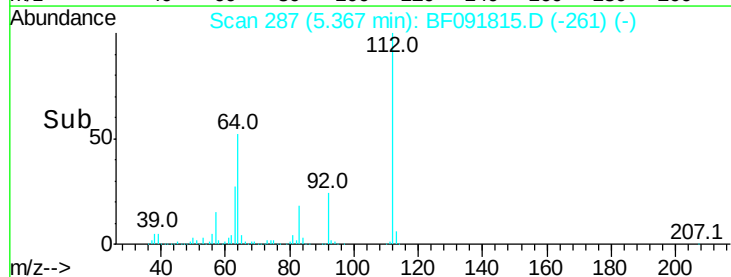
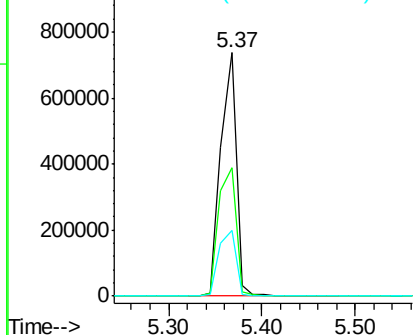
#5

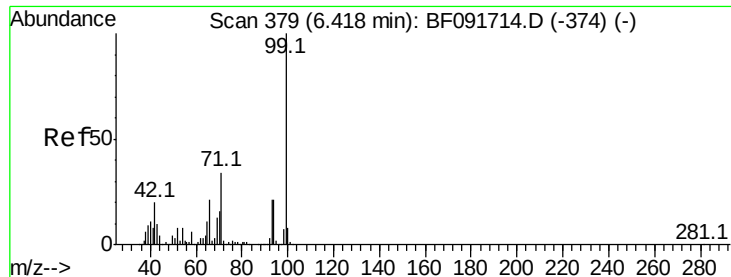
2-Fluorophenol
Concen: 62.28 ng
RT: 5.37 min Scan# 287
Delta R.T. 0.00 min
Lab File: BF091815.D
Acq: 20 Dec 2016 12:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.5	46.1	69.1
63	26.9	23.8	35.6



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: 21.33 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF091815.D

Acq: 20 Dec 2016 12:59

Instrument :

BNA_F

ClientSampleId :

MW-02

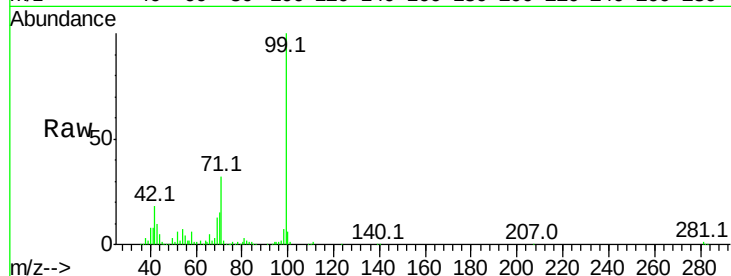
Tot Ion: 99 Resp: 357437

Ion Ratio Lower Upper

99 100

42 17.9 15.6 23.4

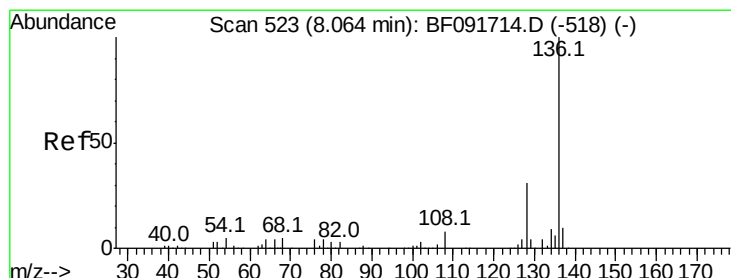
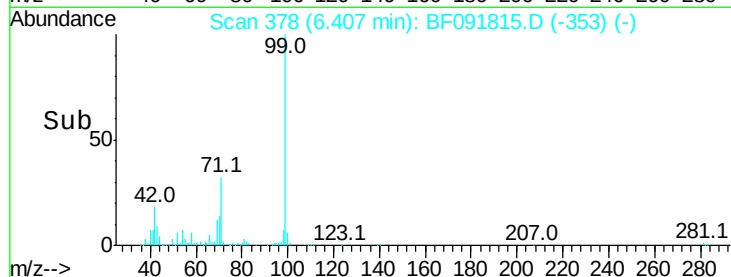
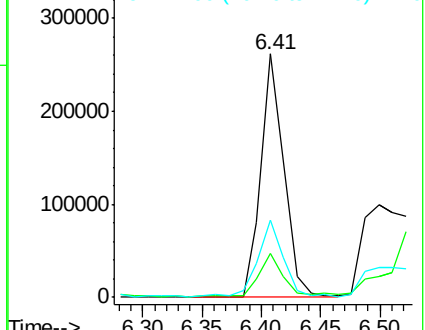
71 31.9 27.5 41.3



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: 8.04 min Scan# 521

Delta R.T. -0.02 min

Lab File: BF091815.D

Acq: 20 Dec 2016 12:59

Tgt Ion: 136 Resp: 821535

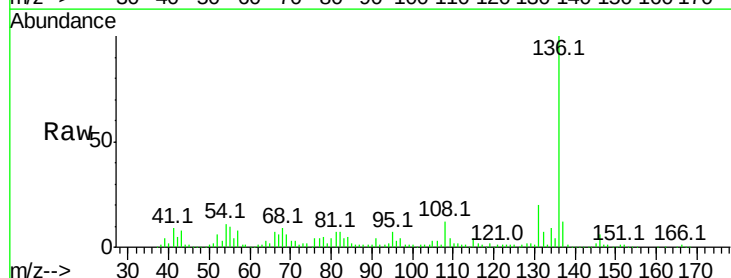
Ion Ratio Lower Upper

136 100

137 11.9 8.4 12.6

54 10.7 4.5 6.7#

68 9.0 3.6 5.4#

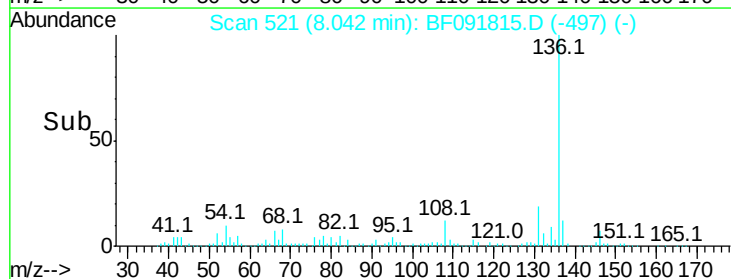
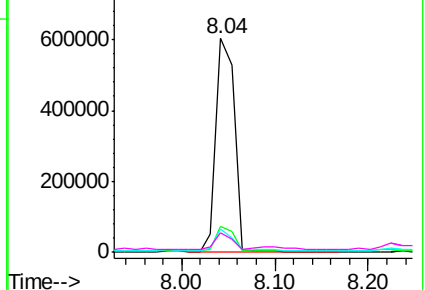


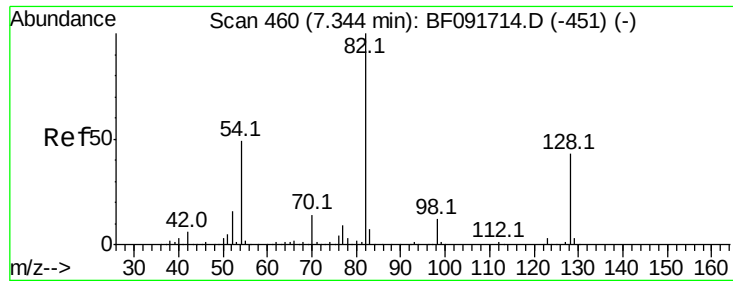
Abundance Ion 136.00 (135.70 to 136.70): E

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

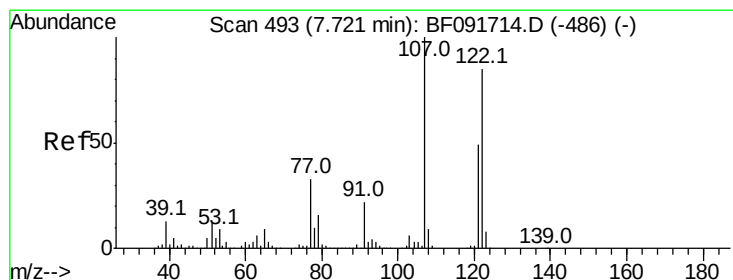
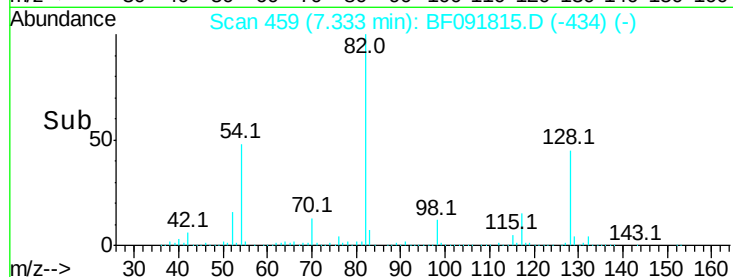
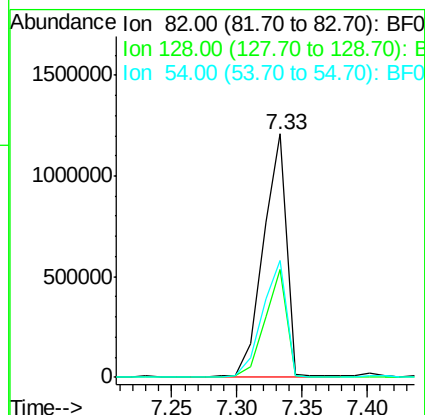
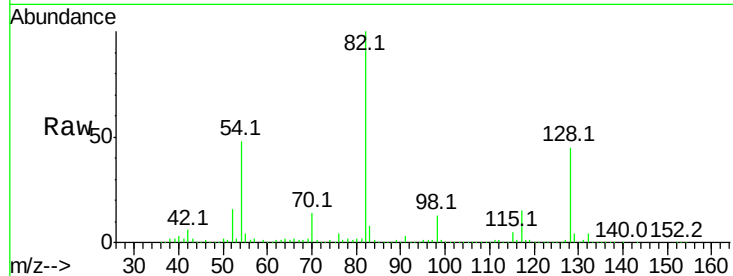




#23
 Nitrobenzene-d5
 Concen: 104.72 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: BF091815.D
 Acq: 20 Dec 2016 12:59

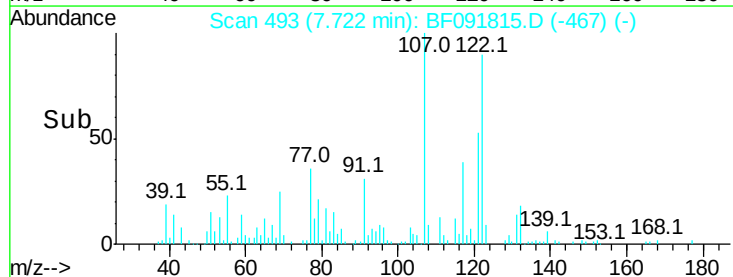
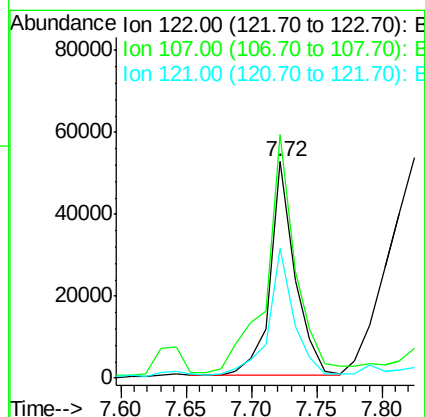
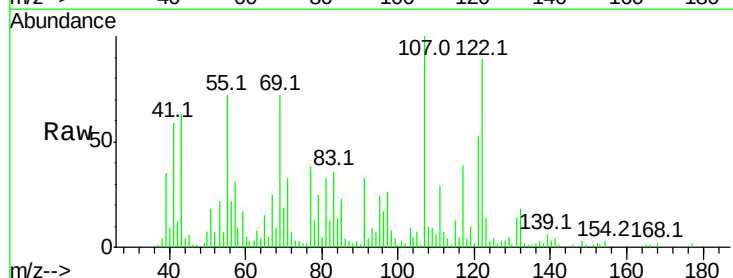
Instrument :
 BNA_F
 ClientSampleId :
 MW-02

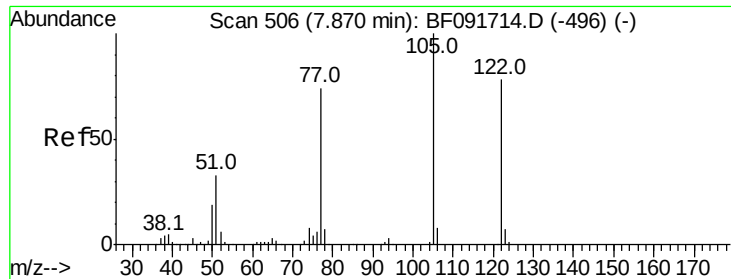
Tot Ion: 82 Resp: 1491881
 Ion Ratio Lower Upper
 82 100
 128 44.6 34.6 52.0
 54 47.9 39.5 59.3



#27
 2,4-Dimethylphenol
 Concen: 5.83 ng
 RT: 7.72 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: BF091815.D
 Acq: 20 Dec 2016 12:59

Tgt Ion: 122 Resp: 70177
 Ion Ratio Lower Upper
 122 100
 107 112.5 94.1 141.1
 121 60.0 46.0 69.0





#32

Benzoic acid

Concen: 278.95 ng

RT: 8.01 min Scan# 518

Delta R.T. 0.14 min

Lab File: BF091815.D

Acq: 20 Dec 2016 12:59

Instrument :

BNA_F

ClientSampleId :

MW-02

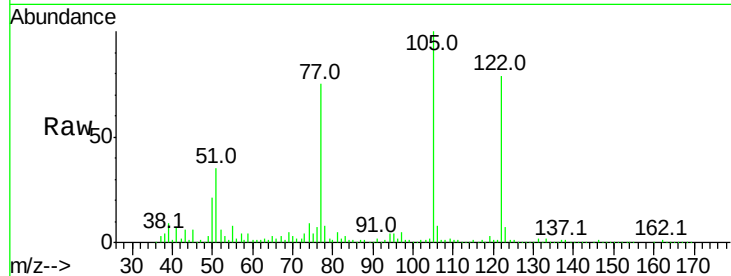
Tot Ion:122 Resp: 2393290

Ion Ratio Lower Upper

122 100

105 126.2 107.2 147.2

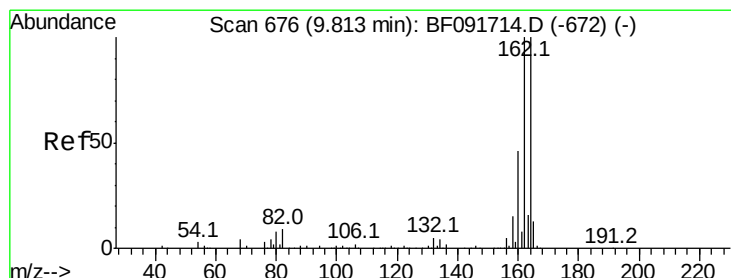
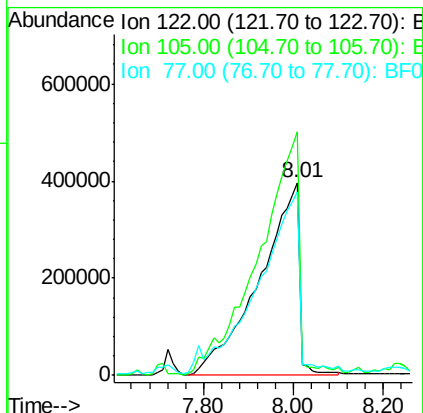
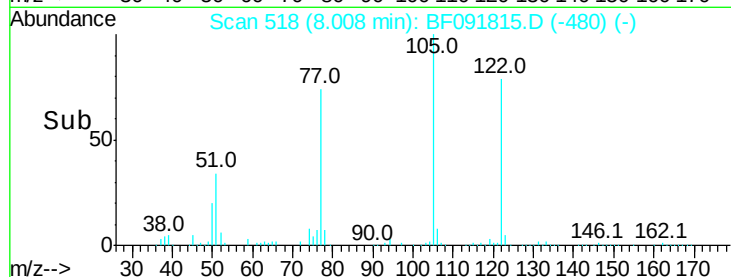
77 95.1 74.5 114.5



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: 20.00 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF091815.D

Acq: 20 Dec 2016 12:59

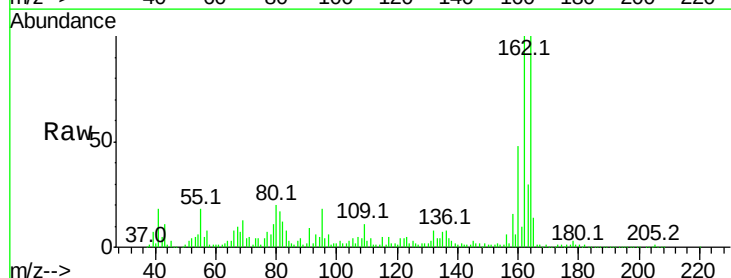
Tgt Ion:164 Resp: 431427

Ion Ratio Lower Upper

164 100

162 100.0 80.2 120.2

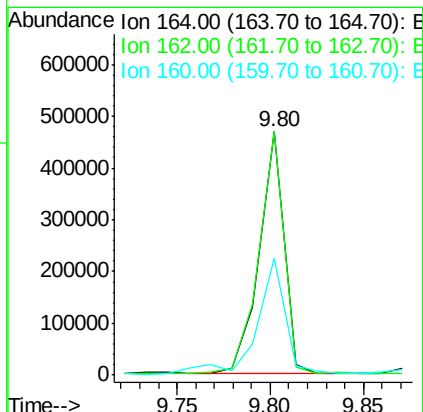
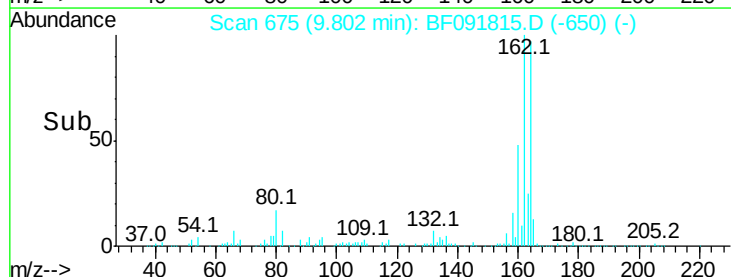
160 47.9 36.9 55.3

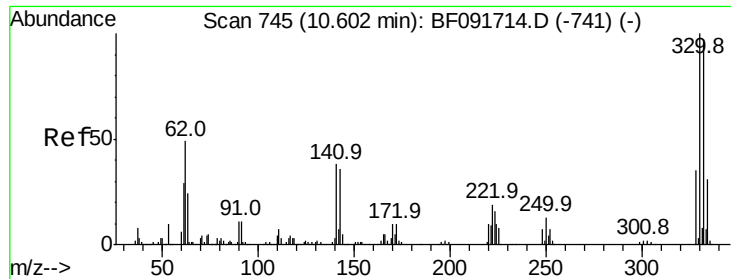


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 119.20 ng

RT: 10.59 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF091815.D

Acq: 20 Dec 2016 12:59

Instrument :

BNA_F

ClientSampled :

MW-02

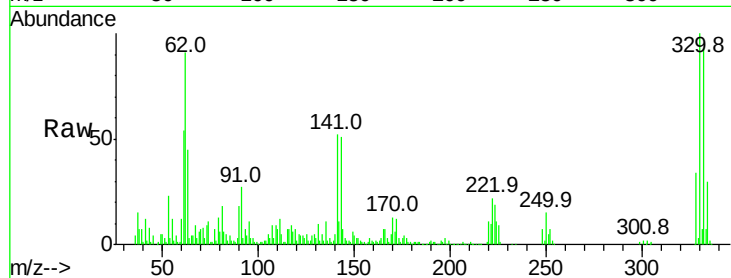
Tot Ion:330 Resp: 436085

Ion Ratio Lower Upper

330 100

332 95.6 77.4 116.2

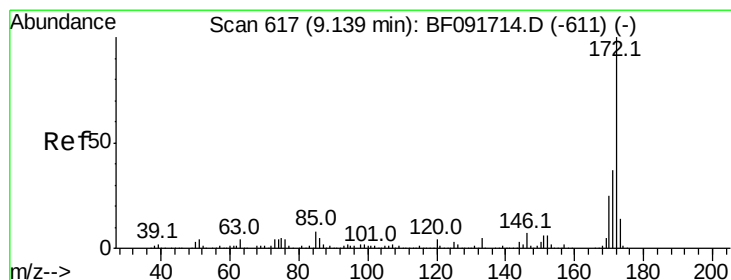
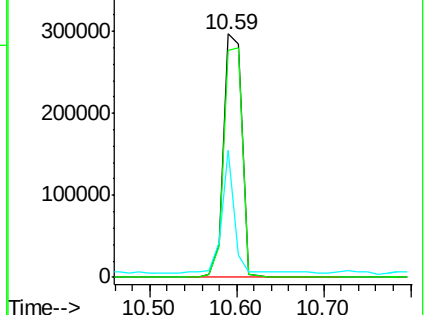
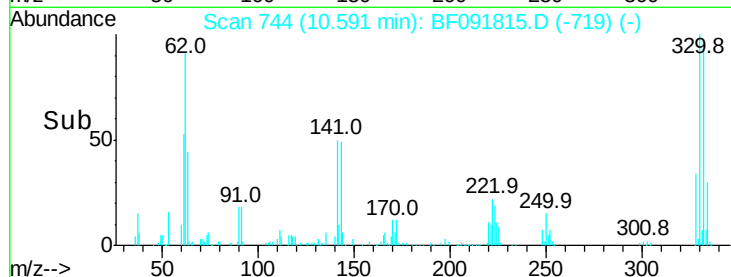
141 35.0 34.1 51.1



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: 89.40 ng

RT: 9.13 min Scan# 616

Delta R.T. -0.01 min

Lab File: BF091815.D

Acq: 20 Dec 2016 12:59

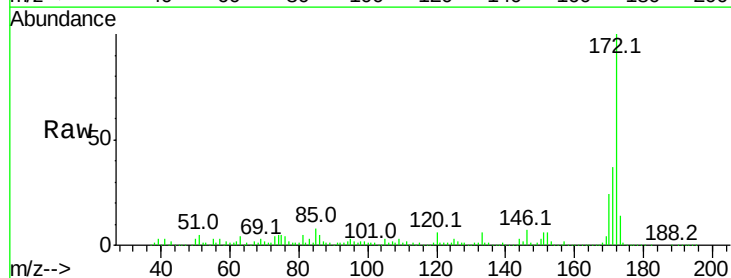
Tgt Ion:172 Resp: 1919786

Ion Ratio Lower Upper

172 100

171 36.6 29.4 44.0

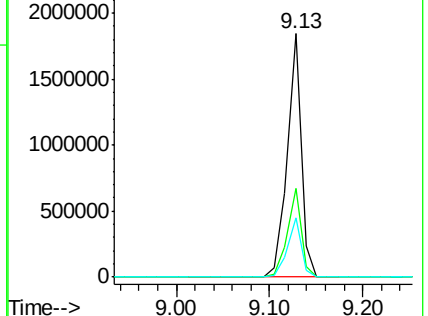
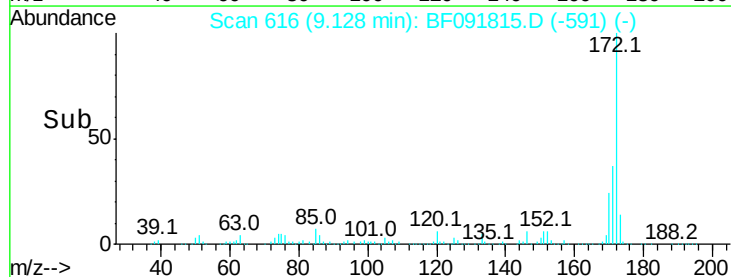
170 24.4 20.2 30.4

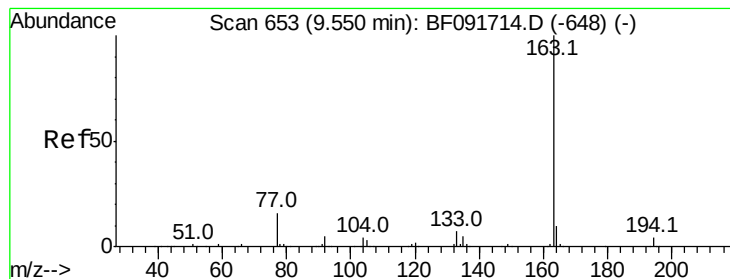


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 3.36 ng

RT: 9.53 min Scan# 651

Delta R.T. -0.02 min

Lab File: BF091815.D

Acq: 20 Dec 2016 12:59

Instrument :

BNA_F

ClientSampleId :

MW-02

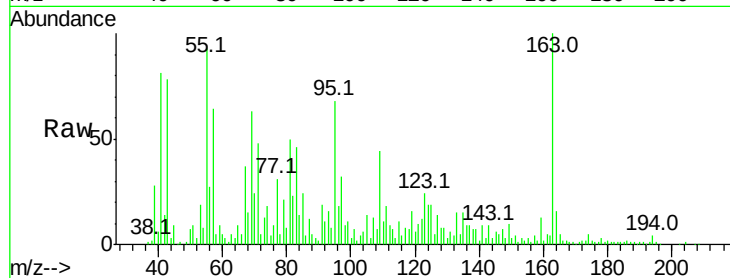
Tot Ion:163 Resp: 94548

Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.4

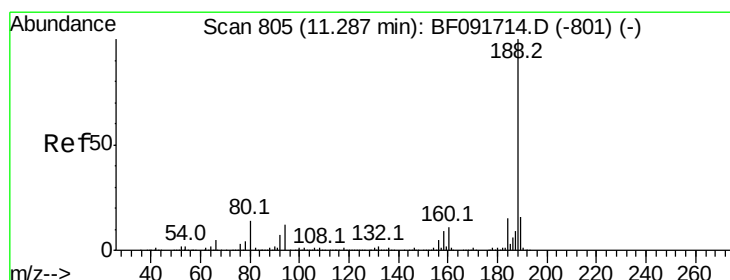
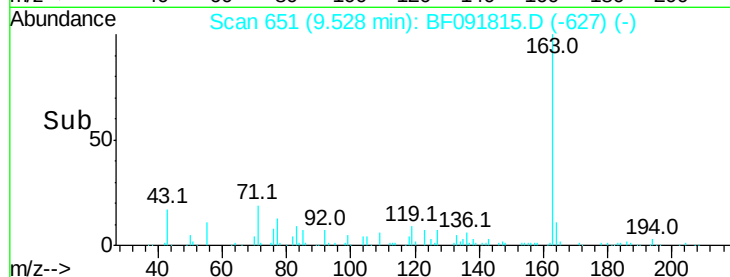
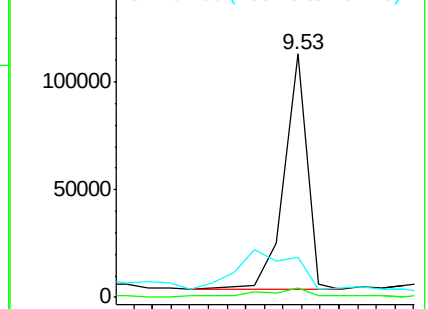
164 16.4 8.0 12.0#



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 805

Delta R.T. 0.00 min

Lab File: BF091815.D

Acq: 20 Dec 2016 12:59

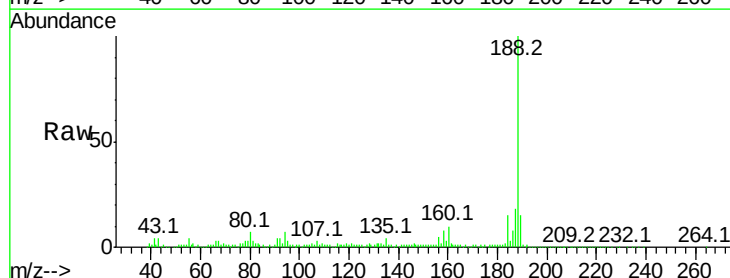
Tgt Ion:188 Resp: 668004

Ion Ratio Lower Upper

188 100

94 7.1 10.0 15.0#

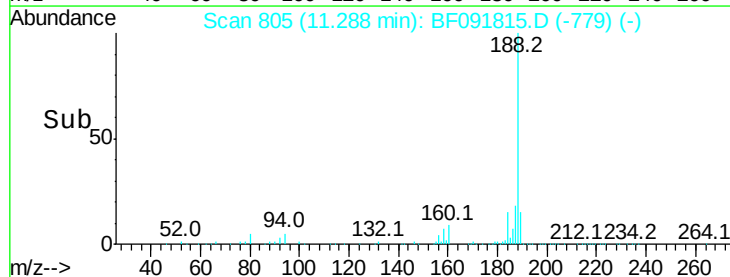
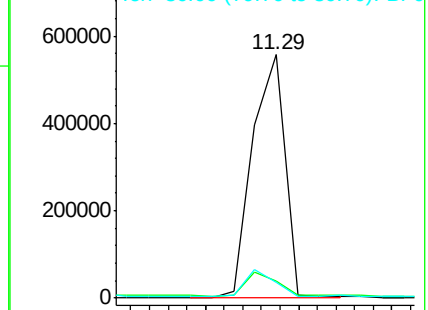
80 6.7 11.2 16.8#

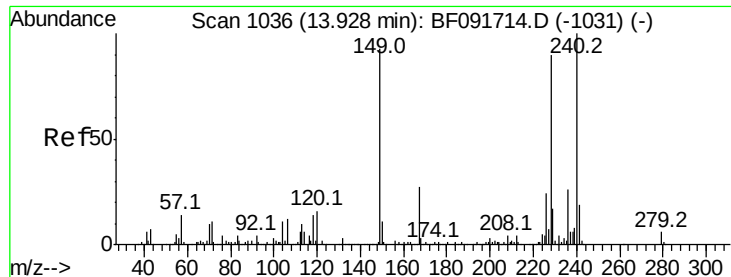


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF091815.D

Acq: 20 Dec 2016 12:59

Instrument :

BNA_F

ClientSampleId :

MW-02

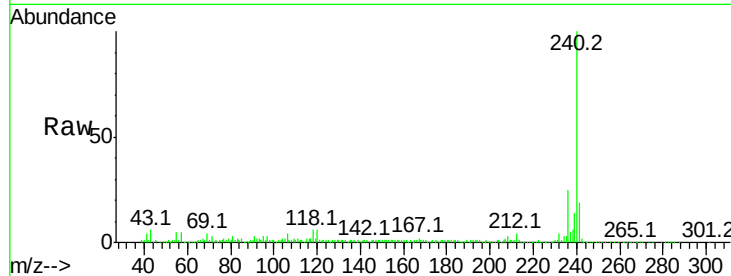
Tot Ion:240 Resp: 476547

Ion Ratio Lower Upper

240 100

120 6.3 12.9 19.3#

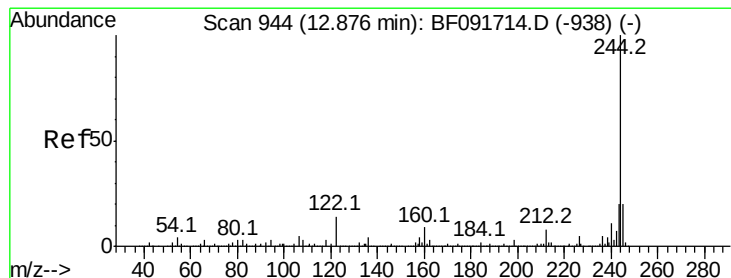
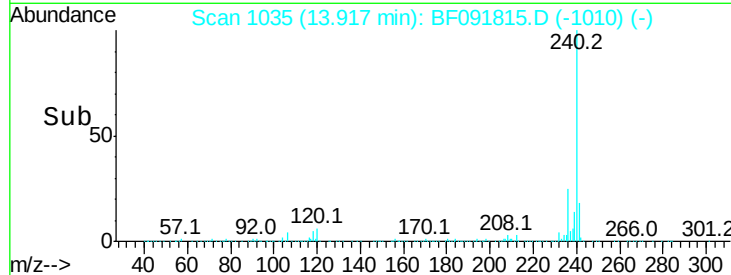
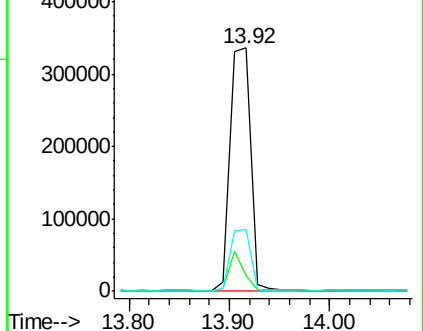
236 25.5 20.9 31.3



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: 79.26 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF091815.D

Acq: 20 Dec 2016 12:59

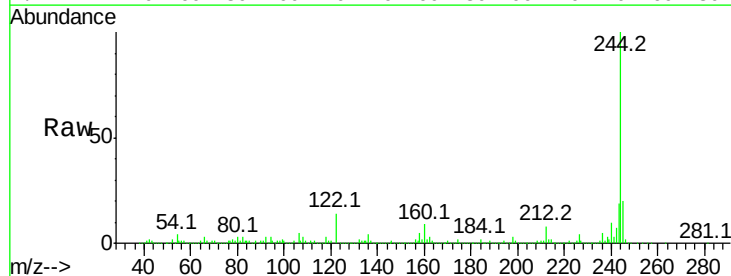
Tgt Ion:244 Resp: 1495958

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

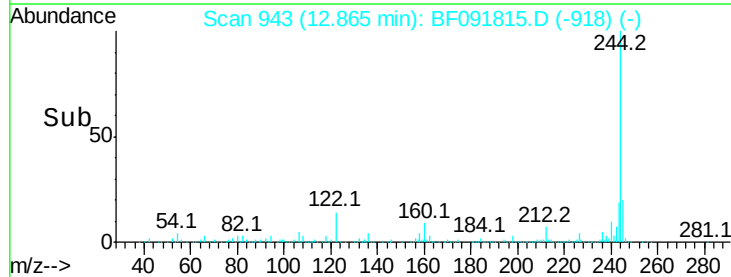
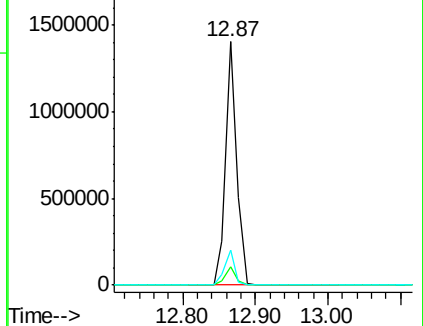
122 14.5 11.4 17.2

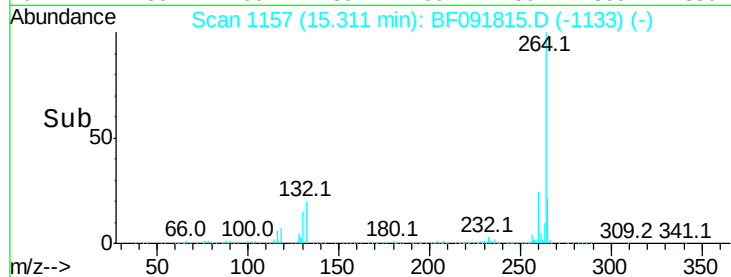
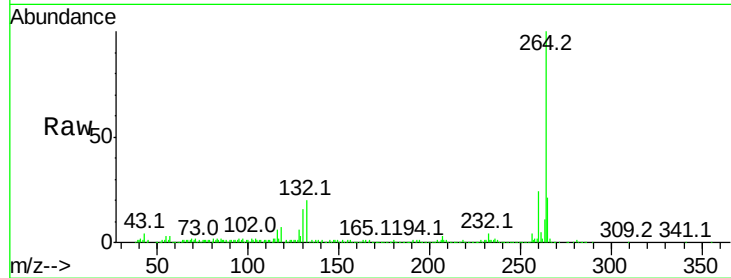
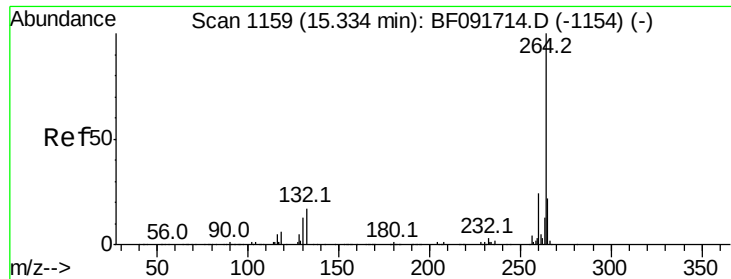


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.31 min Scan# 1157

Delta R.T. -0.02 min

Lab File: BF091815.D

Acq: 20 Dec 2016 12:59

Instrument :

BNA_F

ClientSampleId :

MW-02

Tot Ion:264 Resp: 421327

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.5 17.4 26.0

