

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121516\
 Data File : BF091632.D
 Acq On : 15 Dec 2016 17:01
 Operator : UM/SJ
 Sample : H6012-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3-4-5

Quant Time: Dec 16 00:11:32 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

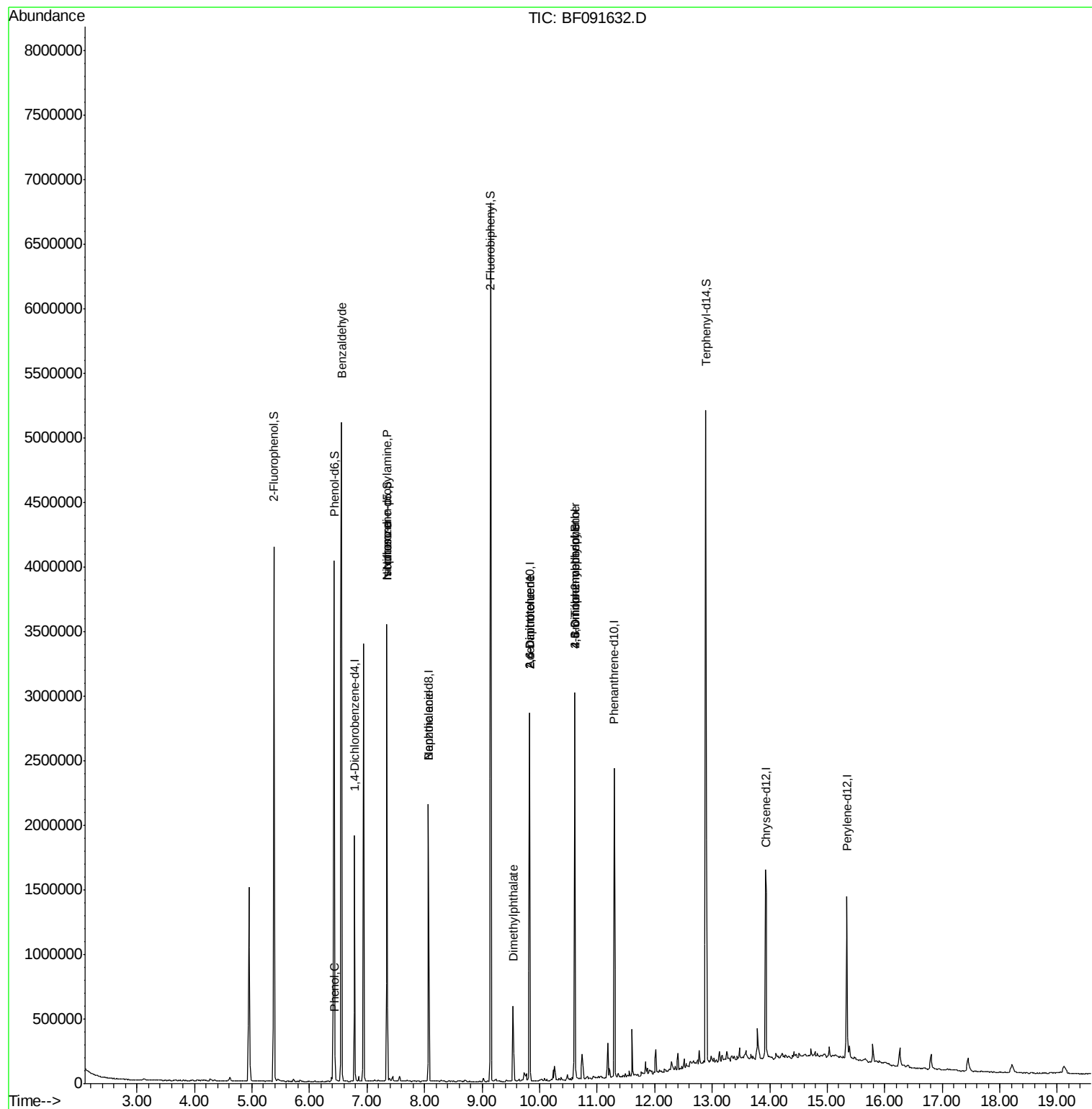
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	288614	20.00	ng	-0.03
21) Naphthalene-d8	8.06	136	1096765	20.00	ng	-0.03
38) Acenaphthene-d10	9.82	164	618228	20.00	ng	-0.03
63) Phenanthrene-d10	11.30	188	912442	20.00	ng	-0.03
75) Chrysene-d12	13.94	240	717436	20.00	ng	-0.02
86) Perylene-d12	15.35	264	636131	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1589095	92.76	ng	-0.03
7) Phenol-d6	6.43	99	2141173	100.26	ng	-0.02
23) Nitrobenzene-d5	7.34	82	1193184	60.72	ng	-0.03
41) 2,4,6-Tribromophenol	10.61	330	475280	92.56	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	2146544	59.99	ng	-0.03
78) Terphenyl-d14	12.89	244	1738566	54.99	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.56	77	40286	2.74	ng	Qvalue 93
10) Phenol	6.44	94	89485	3.58	ng	# 72
19) n-Nitroso-di-n-propylamine	7.34	70	161357	12.08	ng	# 65
20) 3+4-Methylphenols	6.93	107	267	Below Cal		# 1
25) Isophorone	7.34	82	1006695	28.82	ng	# 67
32) Benzoic acid	8.06	122	224	4.91	ng	# 1
49) Dimethylphthalate	9.54	163	254847	6.51	ng	98
50) 2,6-Dinitrotoluene	9.82	165	82954	9.65	ng	# 16
56) 2,4-Dinitrotoluene	9.82	165	82956	7.70	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.61	198	1157	3.14	ng	# 7
66) 4-Bromophenyl-phenylether	10.61	248	31784	3.40	ng	# 1

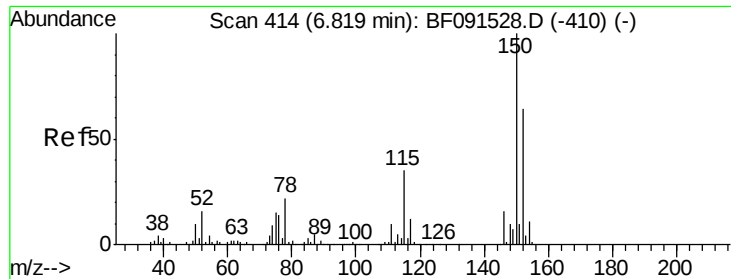
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.03 min

Lab File: BF091632.D

Acq: 15 Dec 2016 17:01

Instrument :

BNA_F

ClientSampleId :

SB-3-4-5

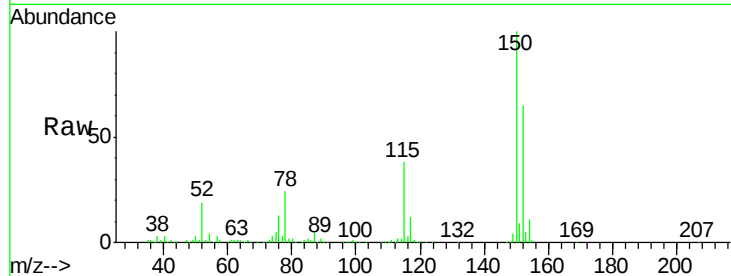
Tgt Ion:152 Resp: 288614

Ion Ratio Lower Upper

152 100

150 152.7 122.5 183.7

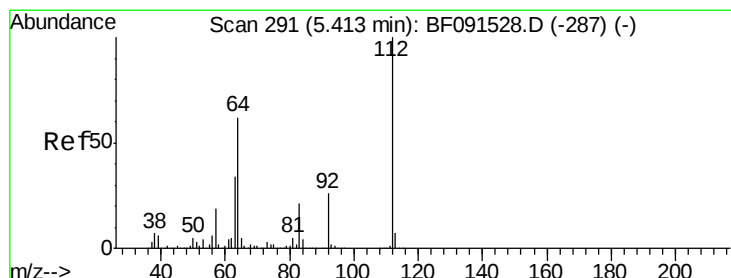
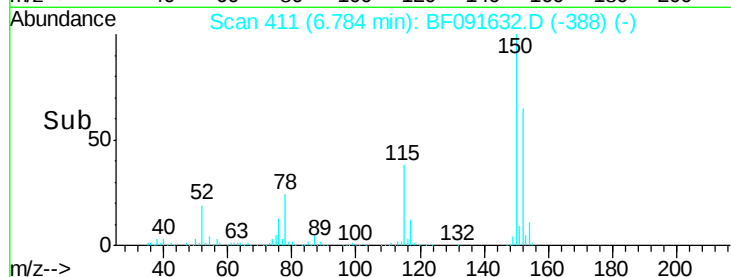
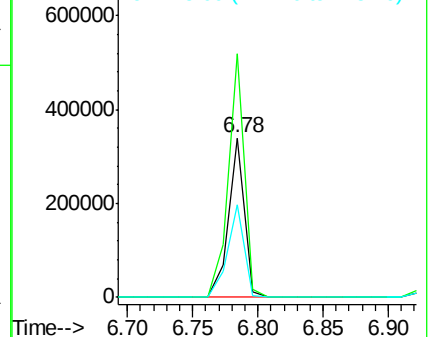
115 58.1 51.8 77.8



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



#5

2-Fluorophenol

Concen: 92.76 ng

RT: 5.38 min Scan# 288

Delta R.T. -0.03 min

Lab File: BF091632.D

Acq: 15 Dec 2016 17:01

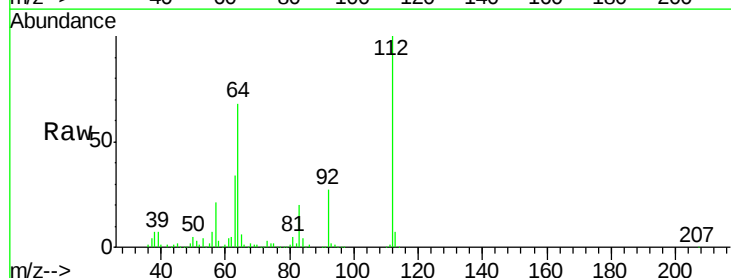
Tgt Ion:112 Resp: 1589095

Ion Ratio Lower Upper

112 100

64 67.7 61.5 92.3

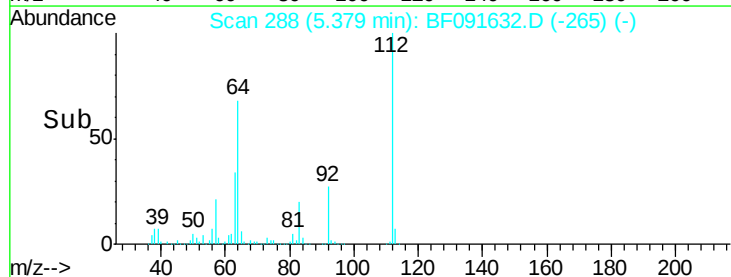
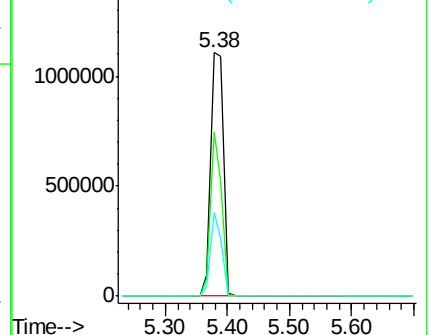
63 34.4 33.3 49.9

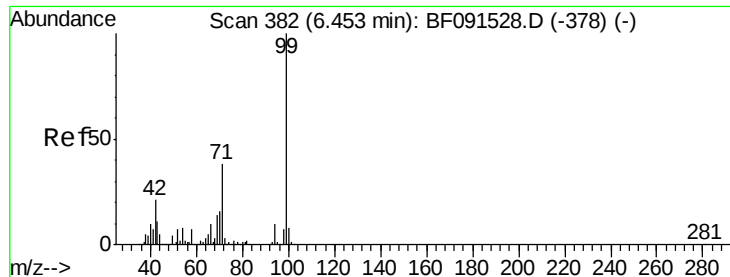


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 100.26 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.02 min

Lab File: BF091632.D

Acq: 15 Dec 2016 17:01

Instrument :

BNA_F

ClientSampleId :

SB-3-4-5

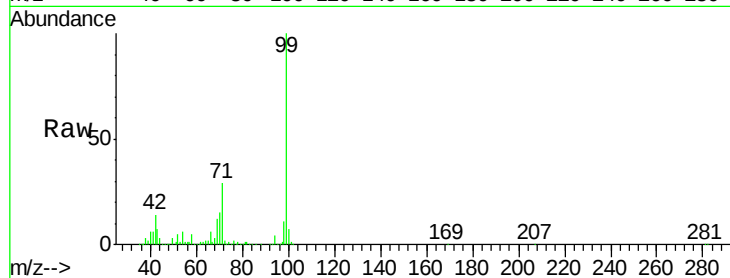
Tgt Ion: 99 Resp: 2141173

Ion Ratio Lower Upper

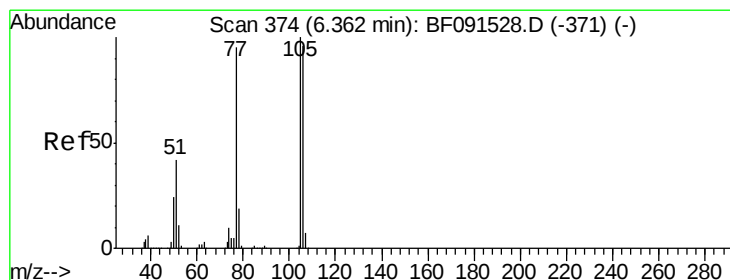
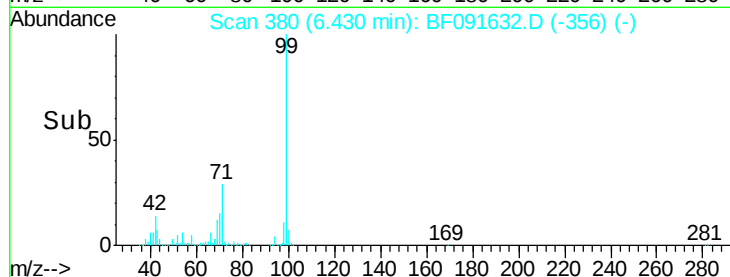
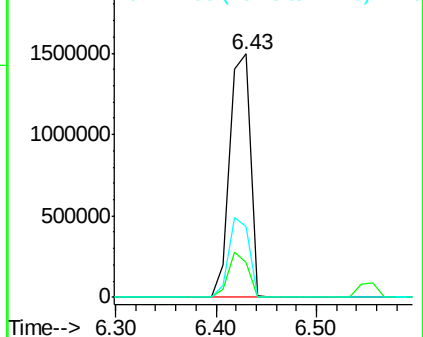
99 100

42 14.2 20.6 31.0#

71 29.2 29.9 44.9#



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



#9

Benzaldehyde

Concen: 2.74 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.19 min

Lab File: BF091632.D

Acq: 15 Dec 2016 17:01

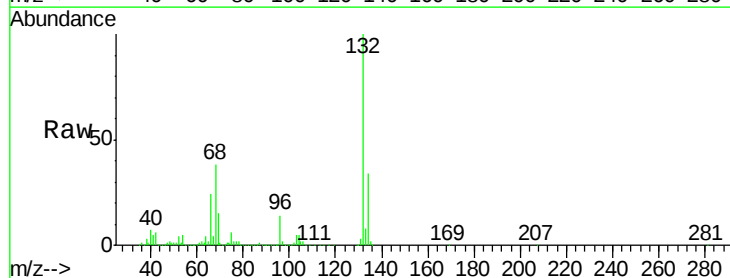
Tgt Ion: 77 Resp: 40286

Ion Ratio Lower Upper

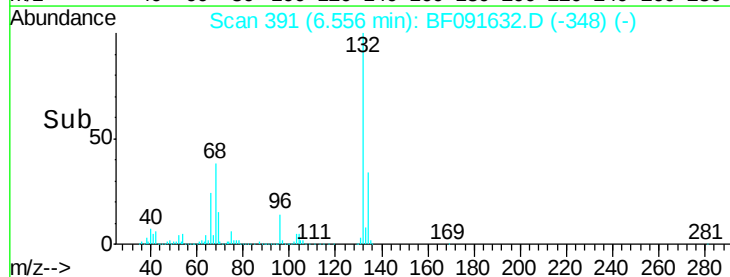
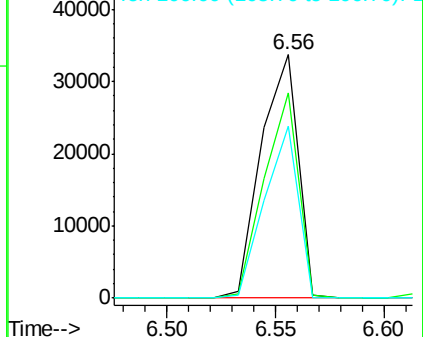
77 100

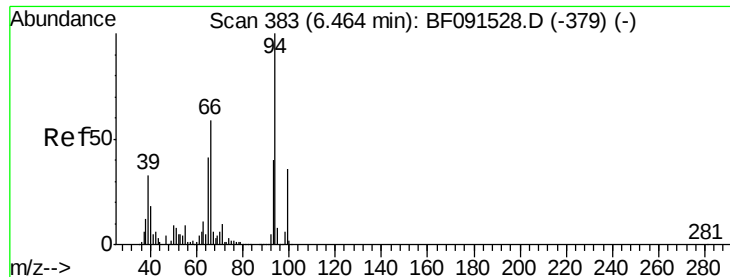
105 84.2 66.4 106.4

106 70.6 60.9 100.9



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 3.58 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.02 min

Lab File: BF091632.D

Acq: 15 Dec 2016 17:01

Instrument :

BNA_F

ClientSampleId :

SB-3-4-5

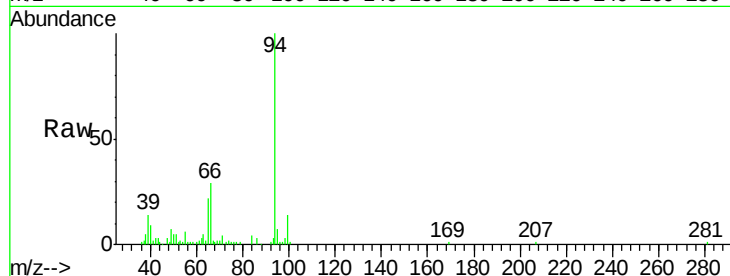
Tgt Ion: 94 Resp: 89485

Ion Ratio Lower Upper

94 100

65 22.4 16.9 56.9

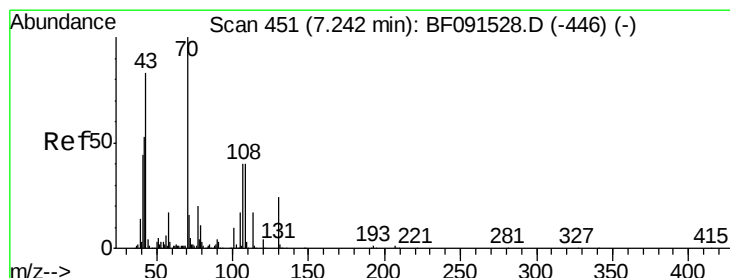
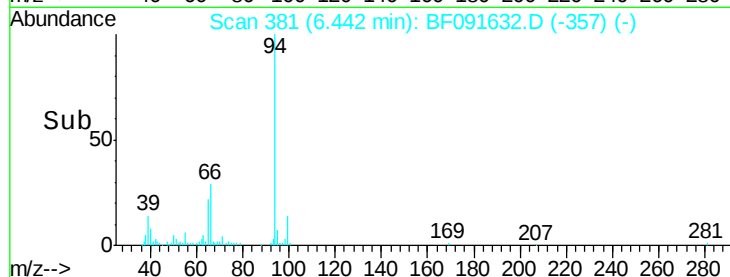
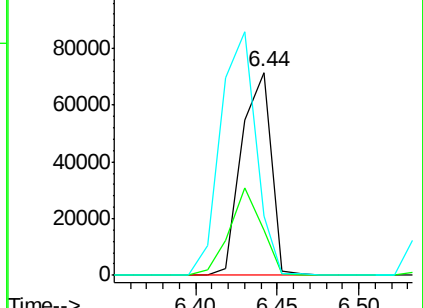
66 29.4 30.6 70.6#



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: 12.08 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.10 min

Lab File: BF091632.D

Acq: 15 Dec 2016 17:01

Tgt Ion: 70 Resp: 161357

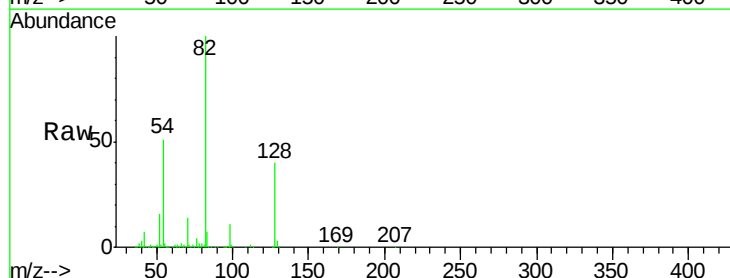
Ion Ratio Lower Upper

70 100

42 47.8 64.8 97.2#

101 0.0 6.2 9.4#

130 1.9 11.7 17.5#

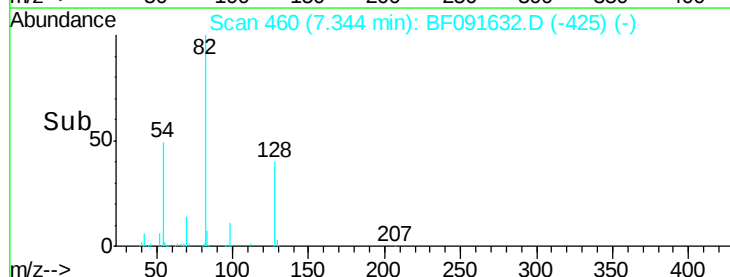
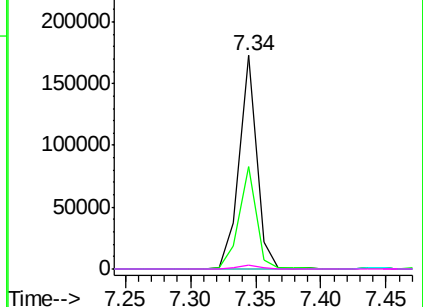


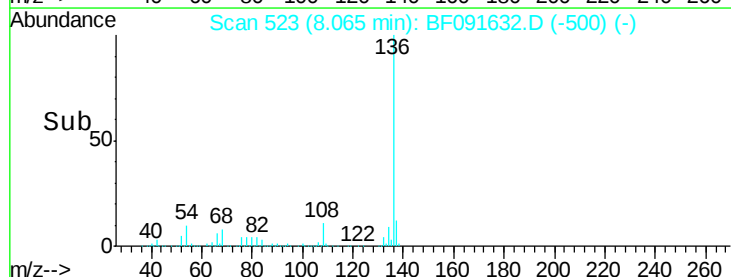
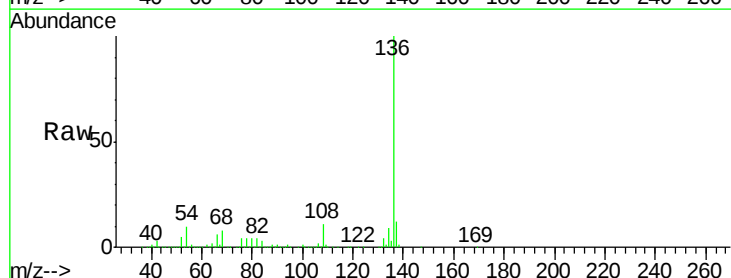
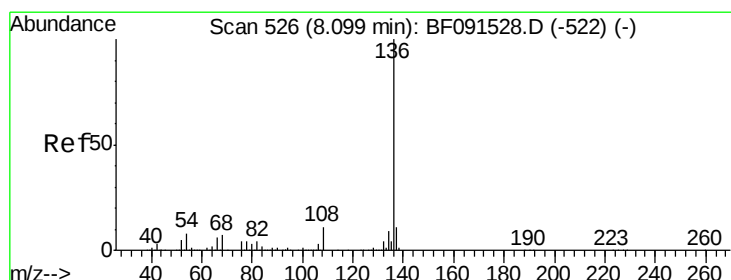
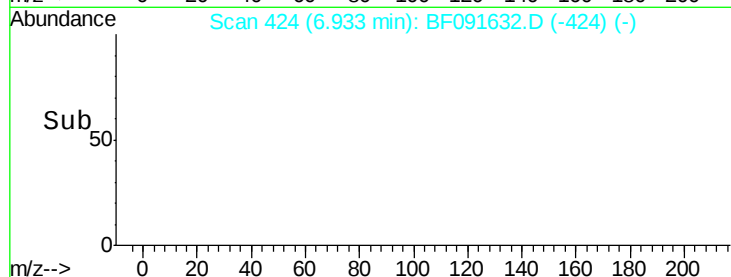
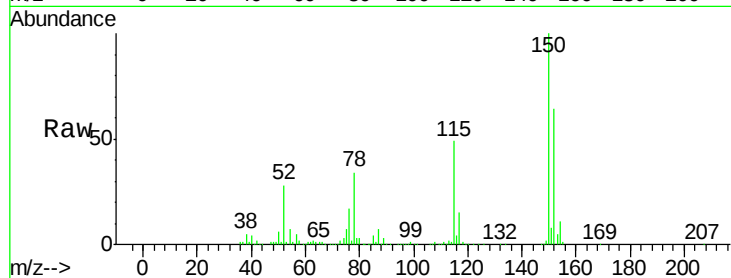
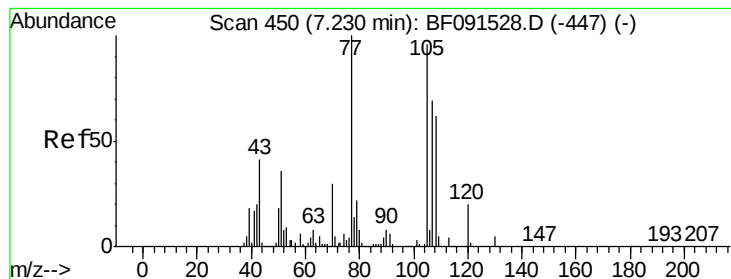
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#20

3+4-Methylphenols

Concen: Below Cal

RT: 6.93 min Scan# 424

Delta R.T. -0.30 min

Lab File: BF091632.D

Acq: 15 Dec 2016 17:01

Instrument :

BNA_F

ClientSampleId :

SB-3-4-5

Tgt Ion:107 Resp: 267

Ion Ratio Lower Upper

107 100

108 1088.5 64.6 104.6#

77 4361.0 30.9 70.9#

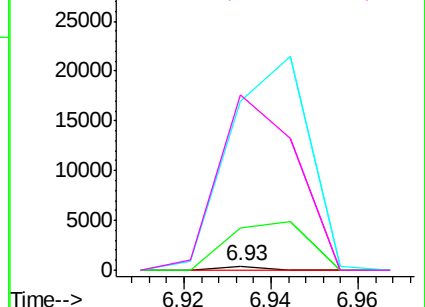
79 4529.2 9.3 49.3#

Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.03 min

Lab File: BF091632.D

Acq: 15 Dec 2016 17:01

Tgt Ion:136 Resp: 1096765

Ion Ratio Lower Upper

136 100

137 11.6 9.1 13.7

54 9.9 9.1 13.7

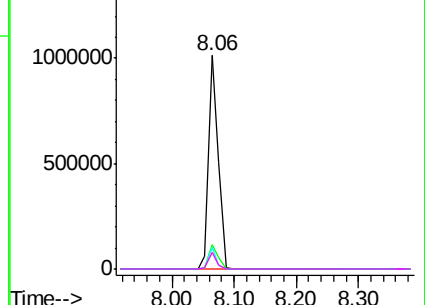
68 7.6 5.9 8.9

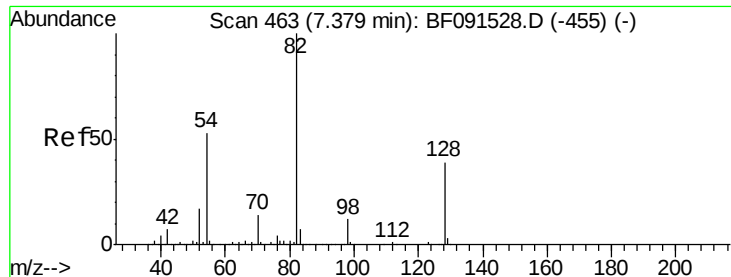
Abundance Ion 136.00 (135.70 to 136.70): E

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

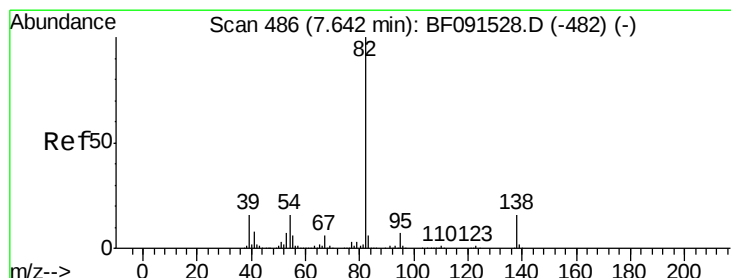
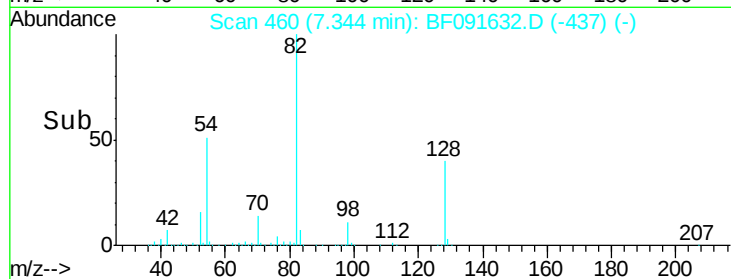
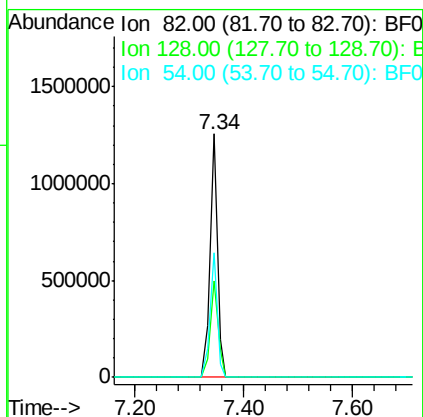
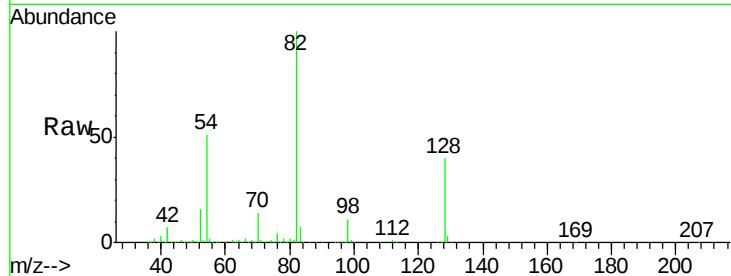




#23
Nitrobenzene-d5
Concen: 60.72 ng
RT: 7.34 min Scan# 460
Delta R.T. -0.03 min
Lab File: BF091632.D
Acq: 15 Dec 2016 17:01

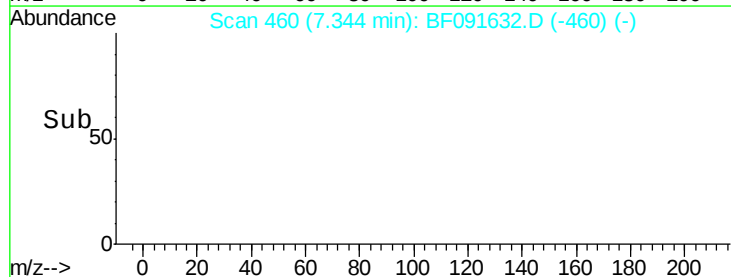
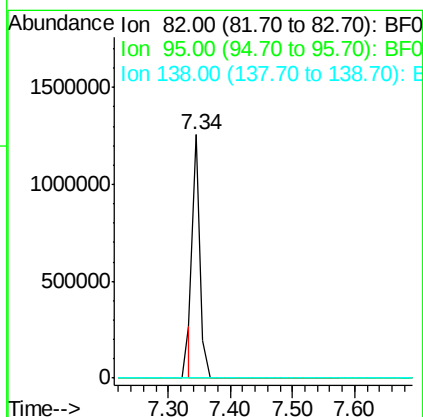
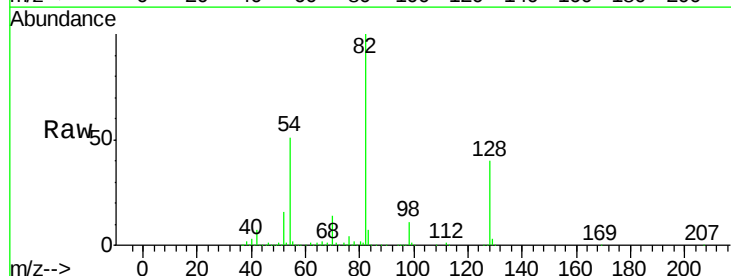
Instrument :
BNA_F
ClientSampleId :
SB-3-4-5

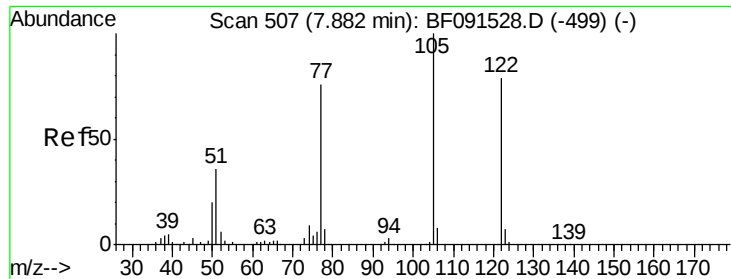
Tgt Ion: 82 Resp: 1193184
Ion Ratio Lower Upper
82 100
128 39.6 31.8 47.6
54 51.0 49.1 73.7



#25
Isophorone
Concen: 28.82 ng
RT: 7.34 min Scan# 460
Delta R.T. -0.30 min
Lab File: BF091632.D
Acq: 15 Dec 2016 17:01

Tgt Ion: 82 Resp: 1006695
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.4 20.0#

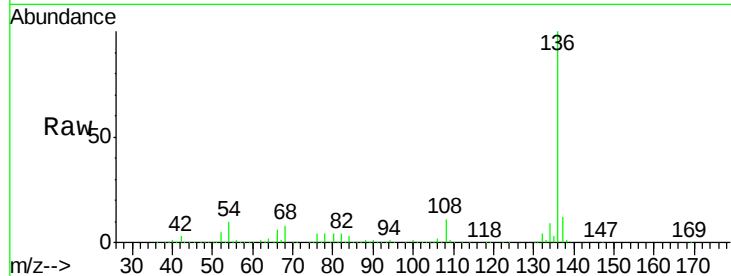




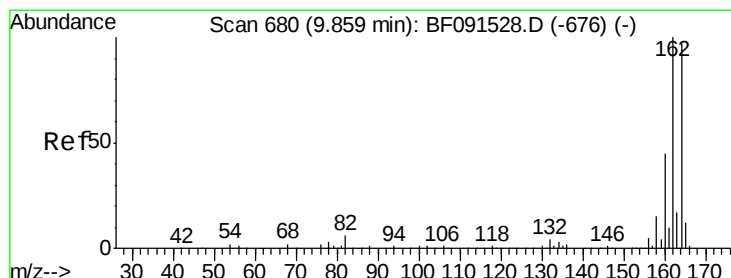
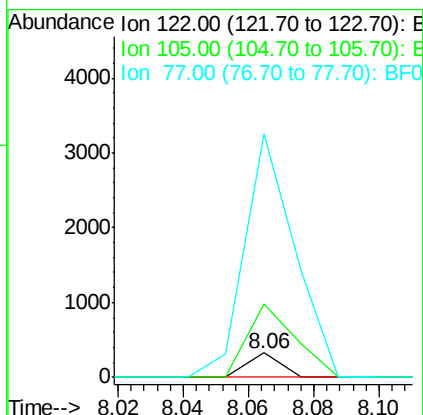
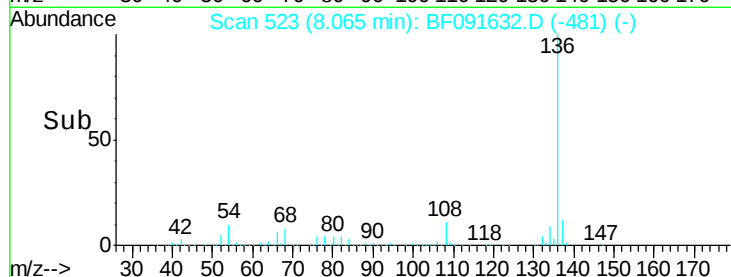
#32
Benzoic acid
Concen: 4.91 ng
RT: 8.06 min Scan# 523
Delta R.T. 0.18 min
Lab File: BF091632.D
Acq: 15 Dec 2016 17:01

Instrument :
BNA_F
ClientSampleId :
SB-3-4-5

Tgt Ion:122 Resp: 224
Ion Ratio Lower Upper
122 100
105 301.2 113.0 153.0#
77 998.2 82.0 122.0#

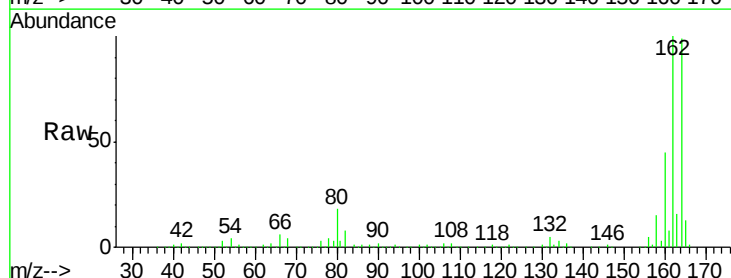


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

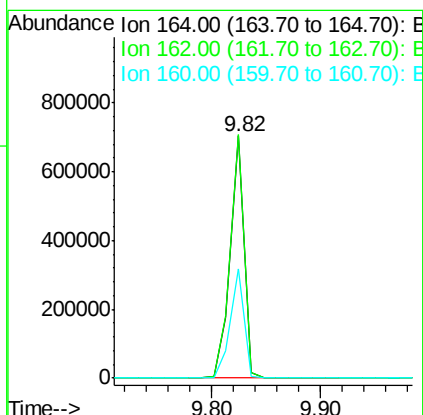
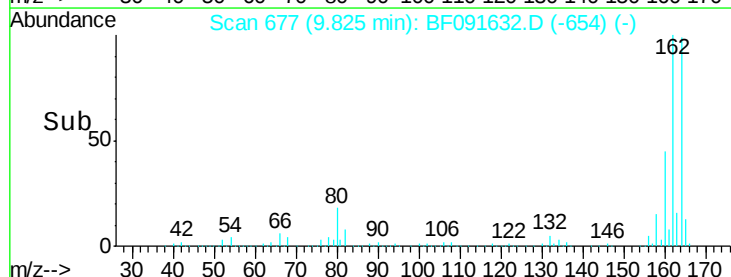


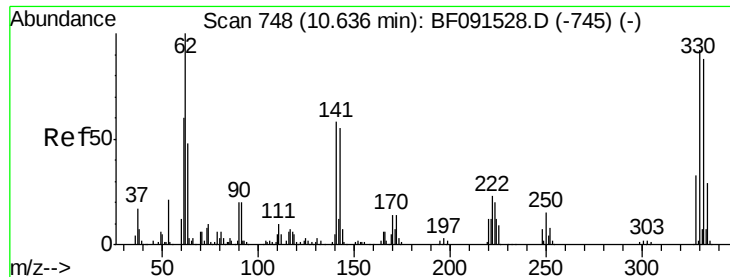
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.03 min
Lab File: BF091632.D
Acq: 15 Dec 2016 17:01

Tgt Ion:164 Resp: 618228
Ion Ratio Lower Upper
164 100
162 100.7 82.6 124.0
160 44.9 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

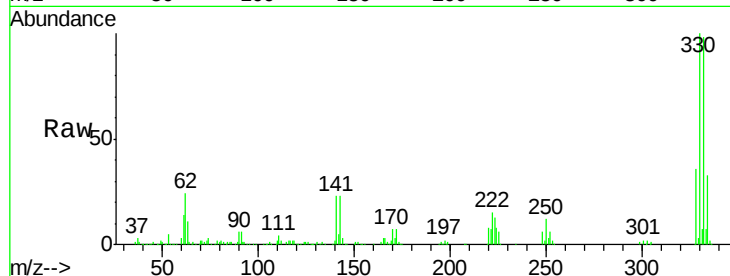




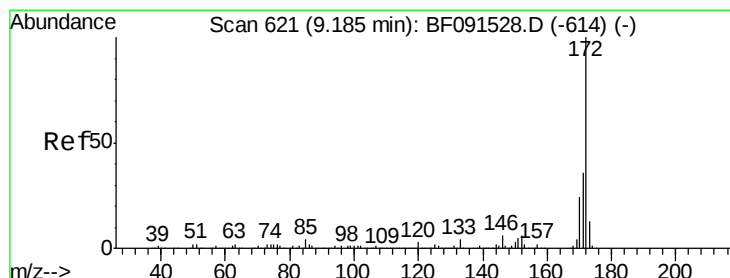
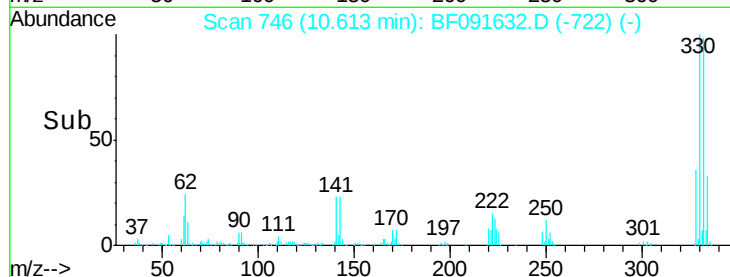
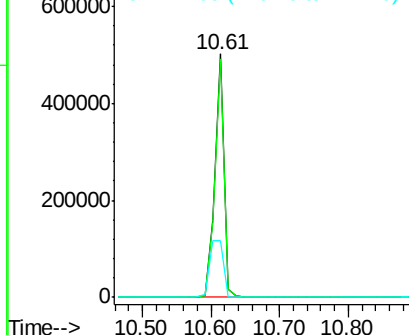
#41
 2,4,6-Tribromophenol
 Concen: 92.56 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.02 min
 Lab File: BF091632.D
 Acq: 15 Dec 2016 17:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-3-4-5

Tgt Ion:330 Resp: 475280
 Ion Ratio Lower Upper
 330 100
 332 97.9 76.2 114.4
 141 35.8 33.6 50.4

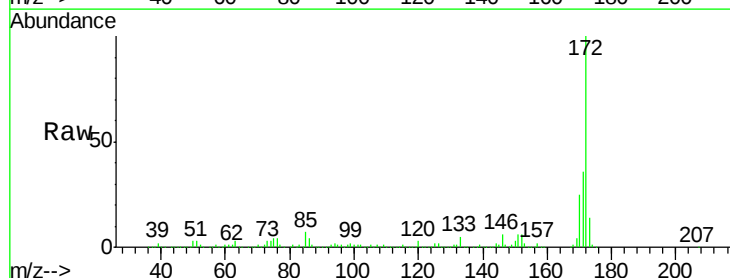


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

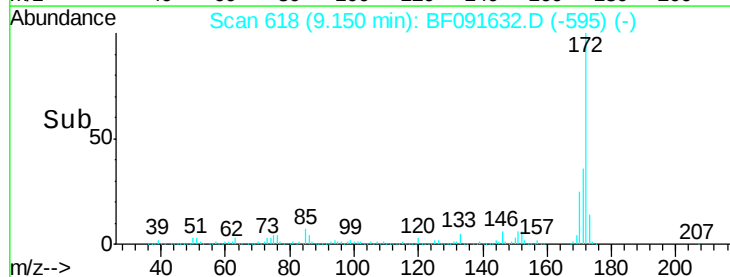
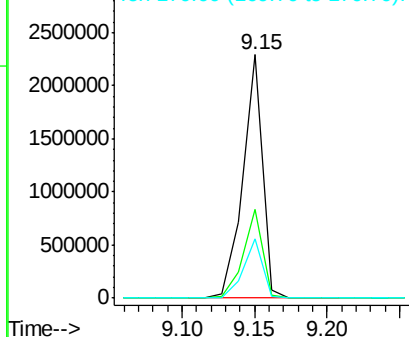


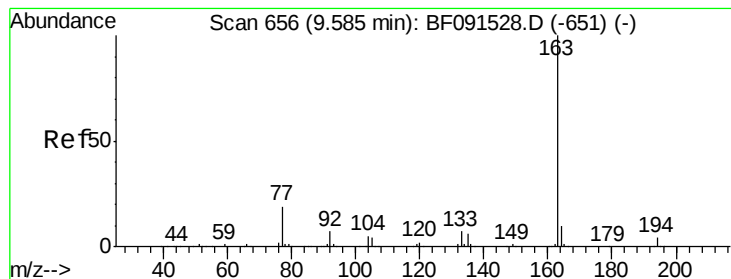
#44
 2-Fluorobiphenyl
 Concen: 59.99 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.03 min
 Lab File: BF091632.D
 Acq: 15 Dec 2016 17:01

Tgt Ion:172 Resp: 2146544
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.0
 170 24.5 19.7 29.5



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: 6.51 ng

RT: 9.54 min Scan# 652

Delta R.T. -0.05 min

Lab File: BF091632.D

Acq: 15 Dec 2016 17:01

Instrument :

BNA_F

ClientSampleId :

SB-3-4-5

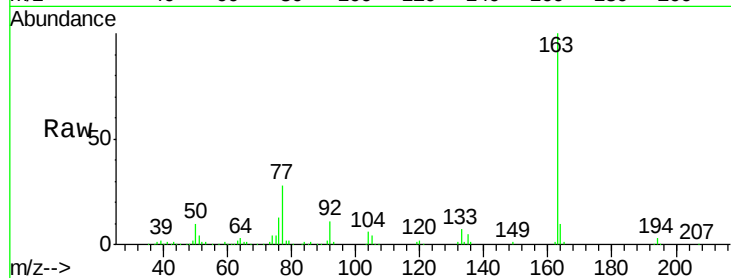
Tgt Ion:163 Resp: 254847

Ion Ratio Lower Upper

163 100

194 3.0 3.0 4.4

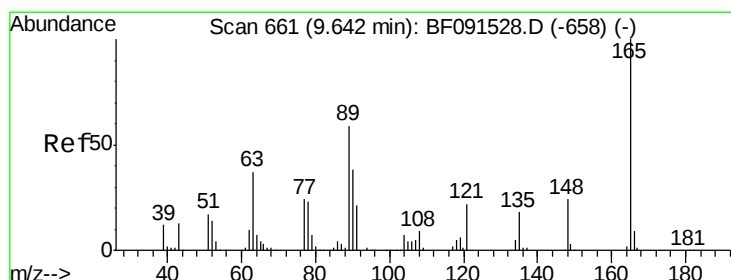
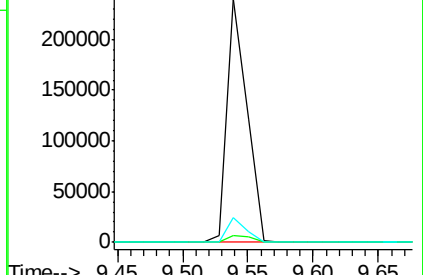
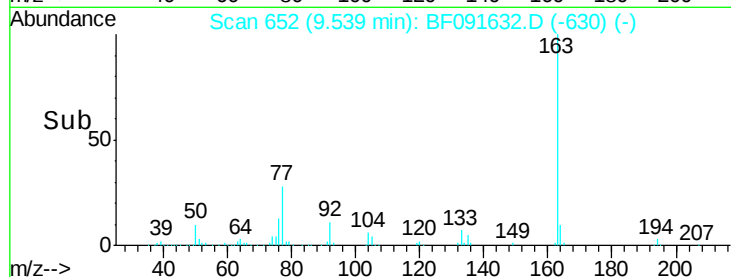
164 10.3 7.8 11.8



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



#50

2,6-Dinitrotoluene

Concen: 9.65 ng

RT: 9.82 min Scan# 677

Delta R.T. 0.18 min

Lab File: BF091632.D

Acq: 15 Dec 2016 17:01

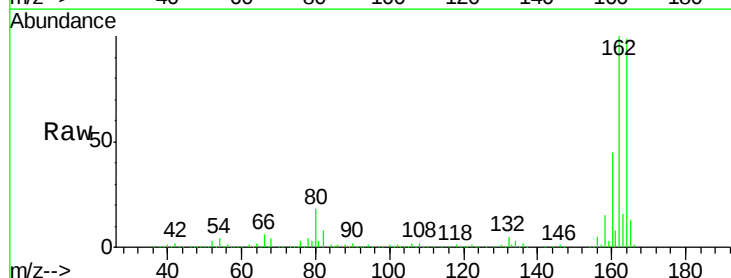
Tgt Ion:165 Resp: 82954

Ion Ratio Lower Upper

165 100

63 0.5 59.4 89.0#

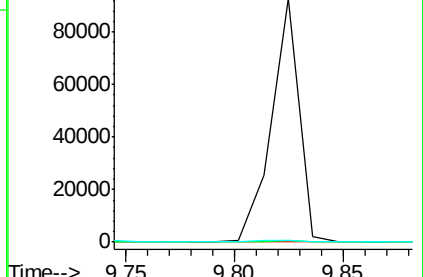
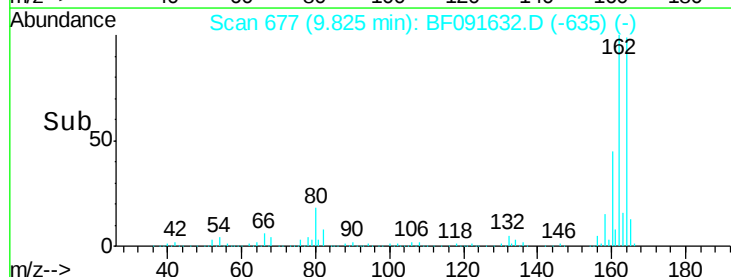
89 0.8 50.8 76.2#

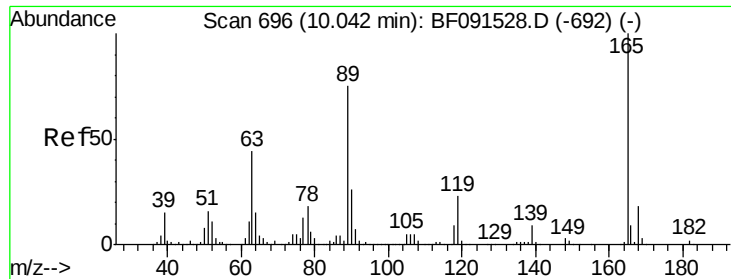


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

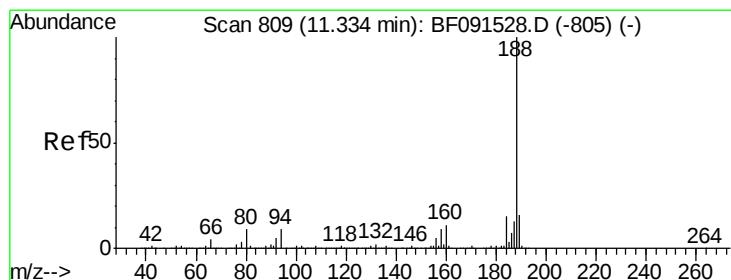
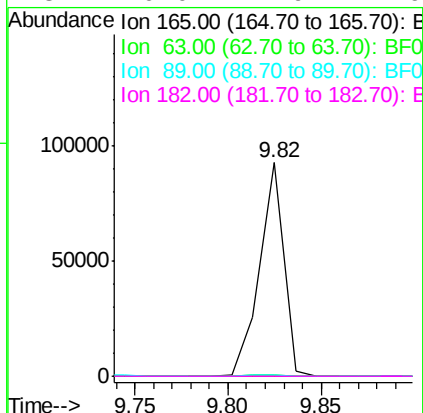
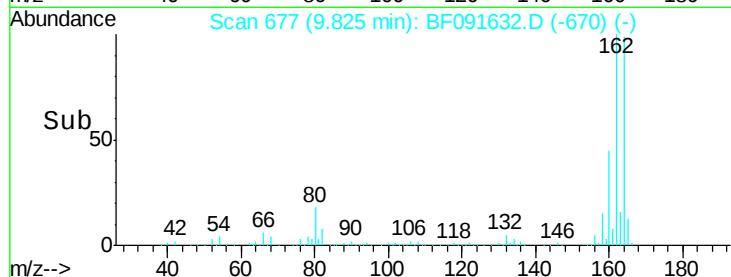
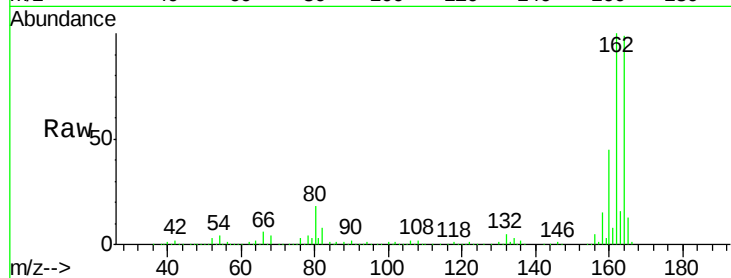




#56
2,4-Dinitrotoluene
Concen: 7.70 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.22 min
Lab File: BF091632.D
Acq: 15 Dec 2016 17:01

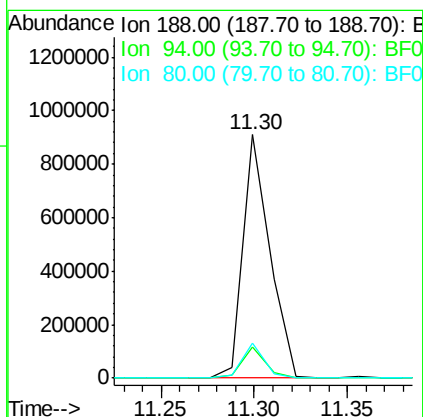
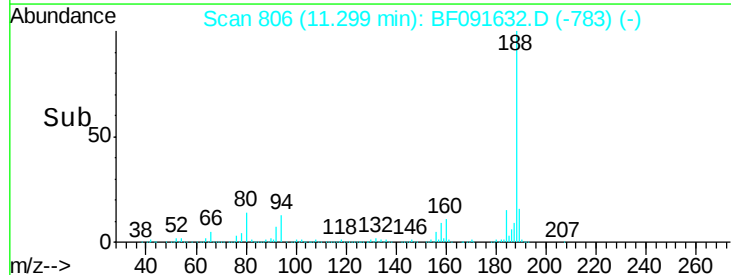
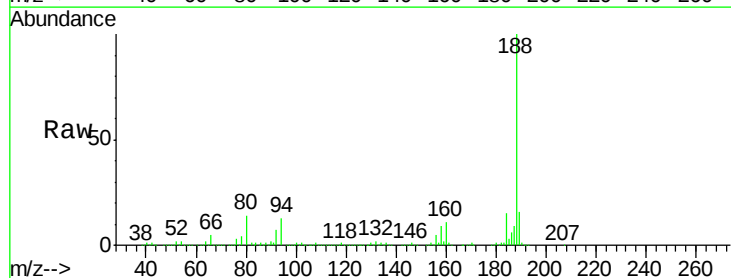
Instrument :
BNA_F
ClientSampleId :
SB-3-4-5

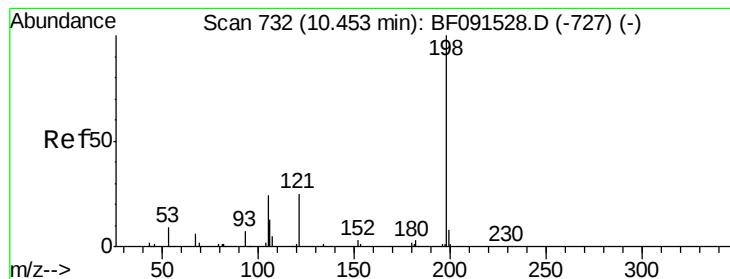
Tgt Ion:	165	Resp:	82956
Ion	Ratio	Lower	Upper
165	100		
63	0.5	29.0	43.4#
89	0.8	43.1	64.7#
182	0.0	1.9	2.9#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.03 min
Lab File: BF091632.D
Acq: 15 Dec 2016 17:01

Tgt Ion:	188	Resp:	912442
Ion	Ratio	Lower	Upper
188	100		
94	13.0	9.2	13.8
80	14.1	10.5	15.7





#64

4,6-Dinitro-2-methylphenol

Concen: 3.14 ng

RT: 10.61 min Scan# 746

Delta R.T. 0.16 min

Lab File: BF091632.D

Acq: 15 Dec 2016 17:01

Instrument :

BNA_F

ClientSampleId :

SB-3-4-5

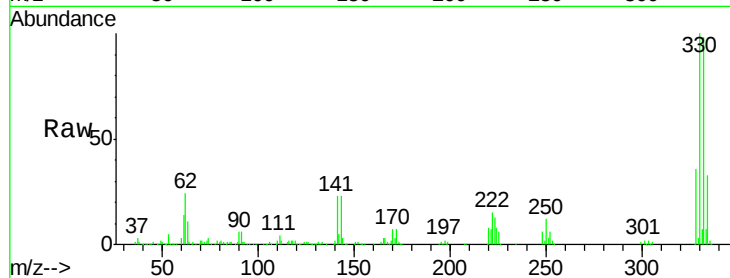
Tgt Ion:198 Resp: 1157

Ion Ratio Lower Upper

198 100

51 196.7 77.1 117.1#

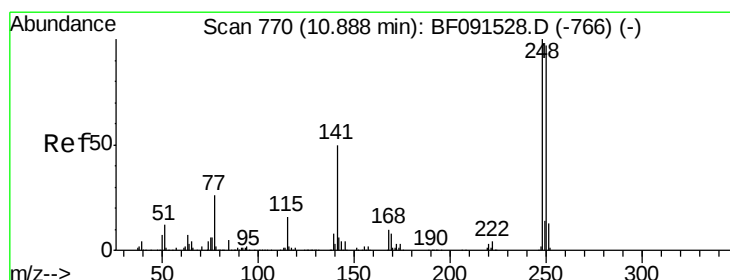
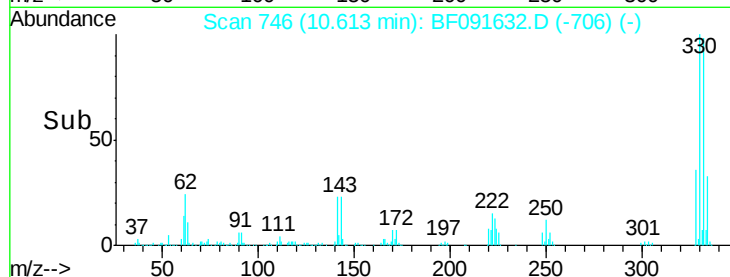
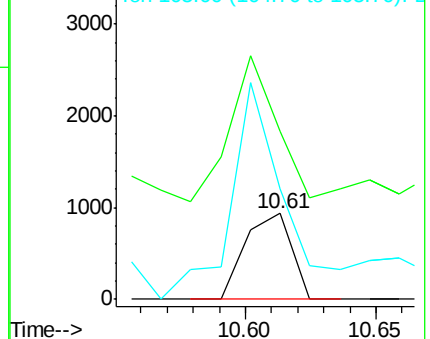
105 128.9 44.8 84.8#



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



#66

4-Bromophenyl-phenylether

Concen: 3.40 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.27 min

Lab File: BF091632.D

Acq: 15 Dec 2016 17:01

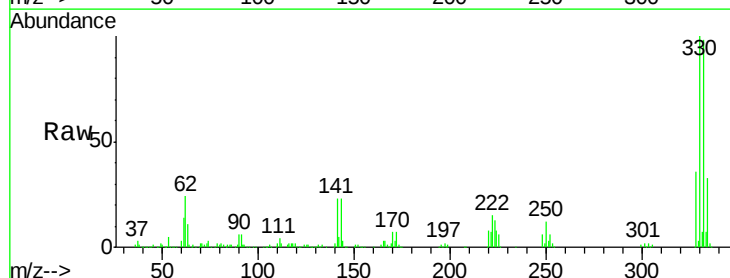
Tgt Ion:248 Resp: 31784

Ion Ratio Lower Upper

248 100

250 198.2 78.2 117.4#

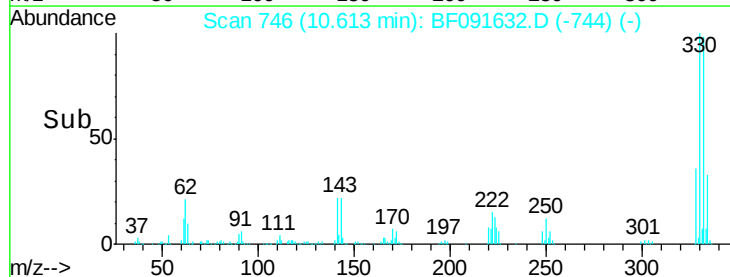
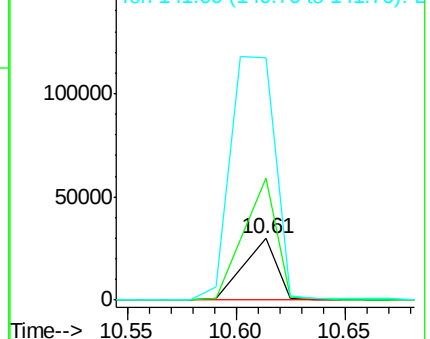
141 393.9 71.9 107.9#

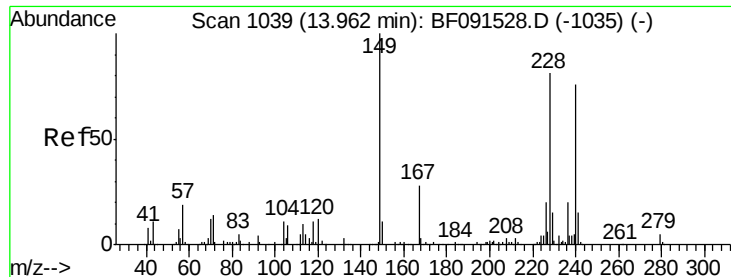


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF091632.D

Acq: 15 Dec 2016 17:01

Instrument :

BNA_F

ClientSampleId :

SB-3-4-5

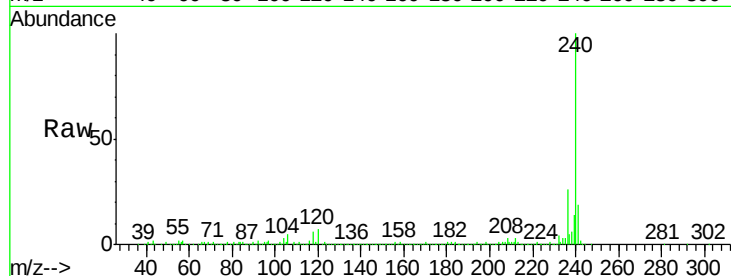
Tgt Ion:240 Resp: 717436

Ion Ratio Lower Upper

240 100

120 7.5 12.1 18.1#

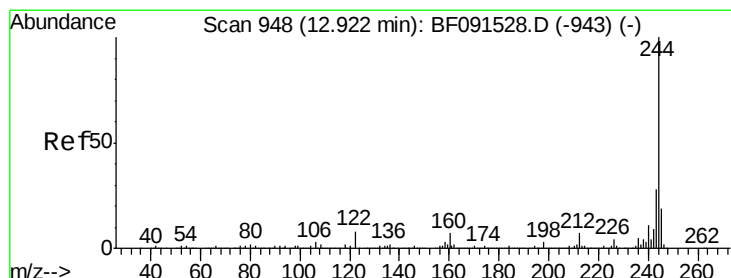
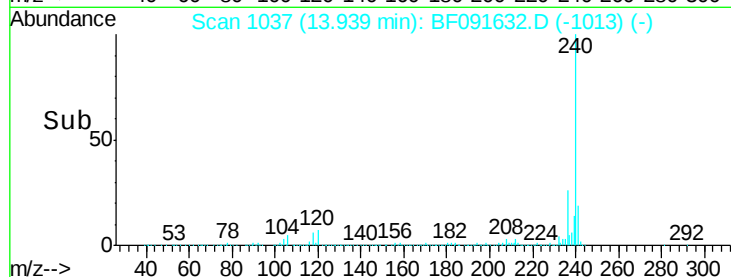
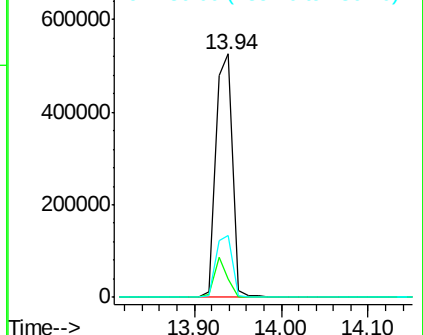
236 25.7 21.0 31.6



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: 54.99 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.03 min

Lab File: BF091632.D

Acq: 15 Dec 2016 17:01

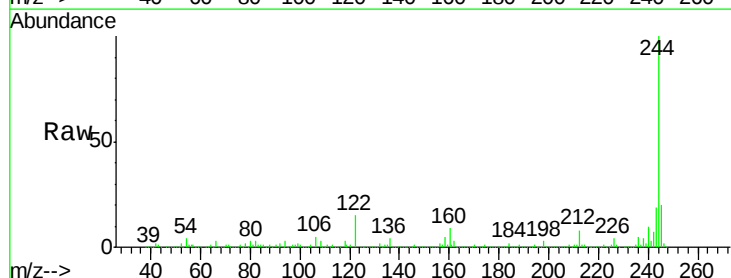
Tgt Ion:244 Resp: 1738566

Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

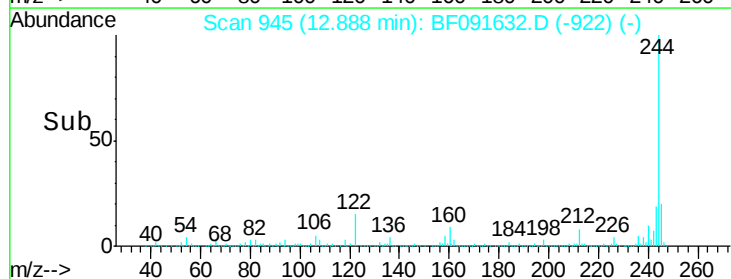
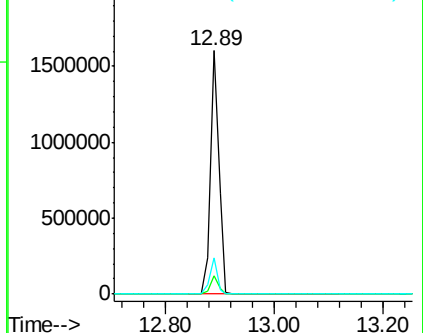
122 14.6 9.5 14.3#

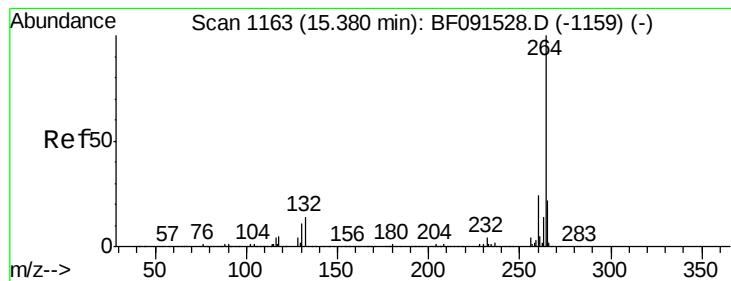


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.35 min Scan# 1160

Delta R.T. -0.03 min

Lab File: BF091632.D

Acq: 15 Dec 2016 17:01

Instrument :

BNA_F

ClientSampleId :

SB-3-4-5

Tgt Ion: 264 Resp: 636131

Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

265 21.8 17.0 25.6

