

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011617\
 Data File : BF092289.D
 Acq On : 16 Jan 2017 17:10
 Operator : UM/SJ
 Sample : I1196-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-36

Quant Time: Jan 17 00:43:59 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

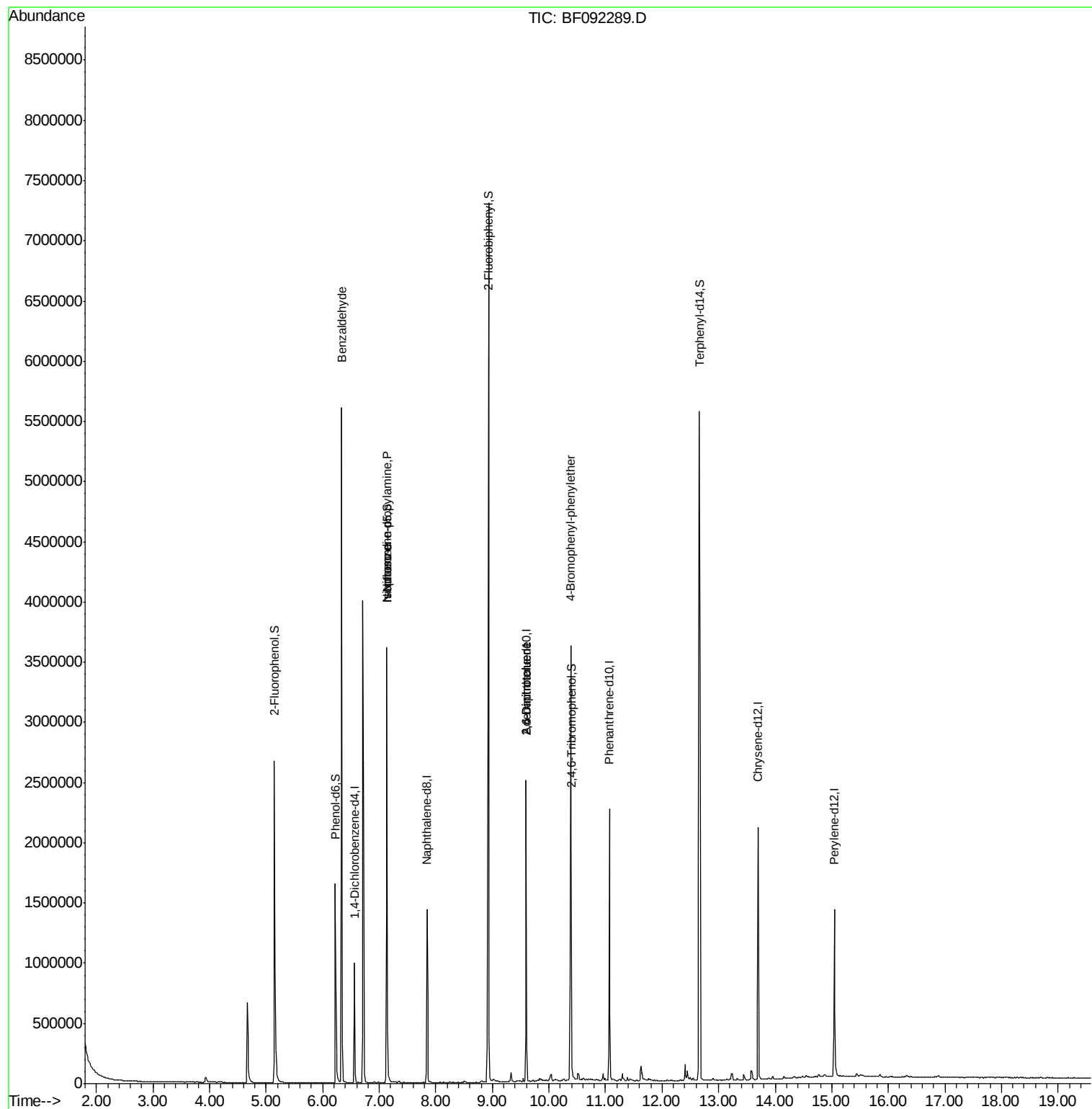
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	200639	20.00	ng	-0.08
21) Naphthalene-d8	7.84	136	776991	20.00	ng	-0.09
38) Acenaphthene-d10	9.59	164	516545	20.00	ng	-0.09
63) Phenanthrene-d10	11.07	188	839626	20.00	ng	-0.09
75) Chrysene-d12	13.70	240	728106	20.00	ng	-0.09
86) Perylene-d12	15.05	264	582143	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	902105	75.07	ng	-0.09
7) Phenol-d6	6.22	99	747333	50.94	ng	-0.09
23) Nitrobenzene-d5	7.14	82	1385024	99.12	ng	-0.08
41) 2,4,6-Tribromophenol	10.39	330	624760	146.15	ng	-0.08
44) 2-Fluorobiphenyl	8.93	172	2461590	99.90	ng	-0.08
78) Terphenyl-d14	12.66	244	2557451	85.19	ng	-0.09
Target Compounds						
9) Benzaldehyde	6.34	77	38267	3.27	ng	# 71
19) n-Nitroso-di-n-propylamine	7.14	70	184741	18.93	ng	# 77
25) Isophorone	7.14	82	1369360	53.12	ng	# 65
50) 2,6-Dinitrotoluene	9.59	165	67206	9.29	ng	# 30
56) 2,4-Dinitrotoluene	9.59	165	67209	7.41	ng	# 19
66) 4-Bromophenyl-phenylether	10.38	248	37223	4.26	ng	# 1
71) Anthracene	11.15	178	294	Below Cal		# 59
73) Di-n-butylphthalate	11.65	149	32620	Below Cal		# 96
74) Fluoranthene	12.28	202	853	Below Cal		61
76) Benzydine	12.66	184	33369	Below Cal		99

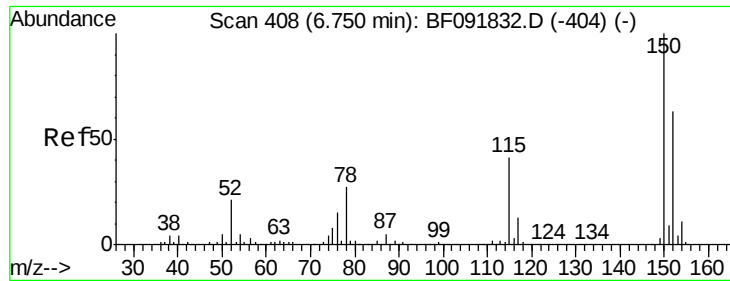
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 418

Delta R.T. -0.08 min

Lab File: BF092289.D

Acq: 16 Jan 2017 17:10

Instrument :

BNA_F

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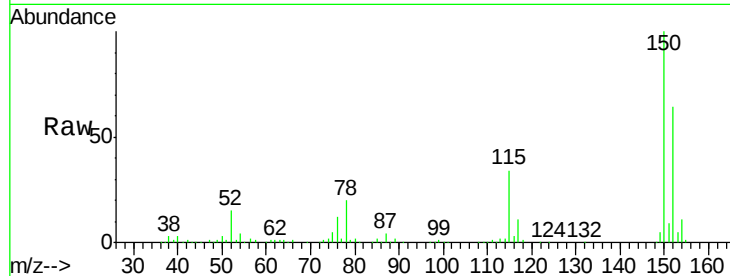
Tgt Ion:152 Resp: 200639

Ion Ratio Lower Upper

152 100

150 156.5 124.9 187.3

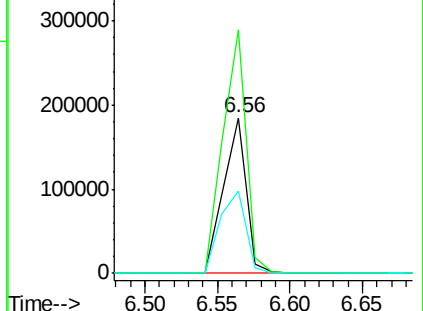
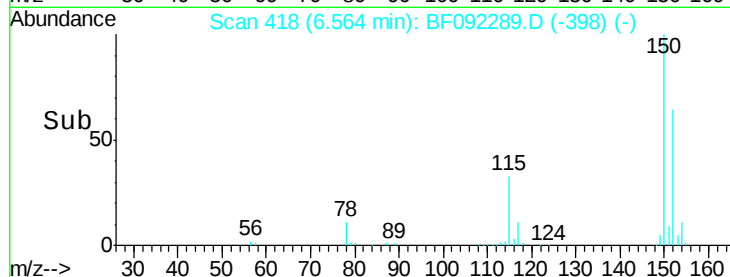
115 53.3 46.0 69.0



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: 75.07 ng

RT: 5.15 min Scan# 294

Delta R.T. -0.09 min

Lab File: BF092289.D

Acq: 16 Jan 2017 17:10

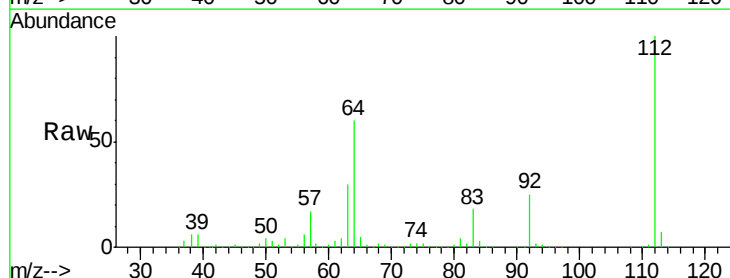
Tgt Ion:112 Resp: 902105

Ion Ratio Lower Upper

112 100

64 60.2 46.1 69.1

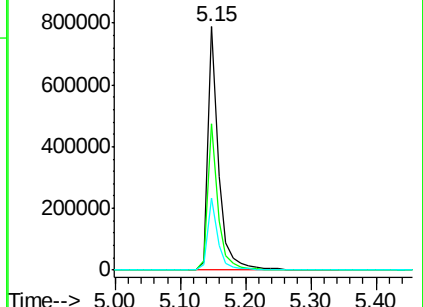
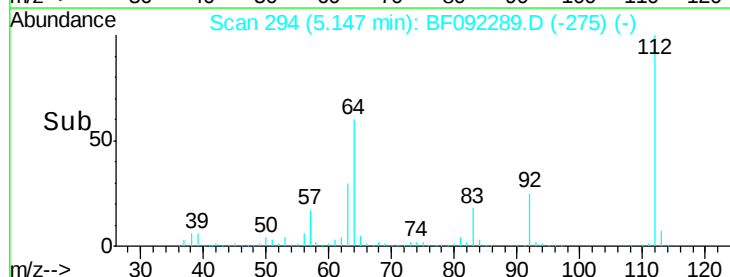
63 29.9 23.8 35.6

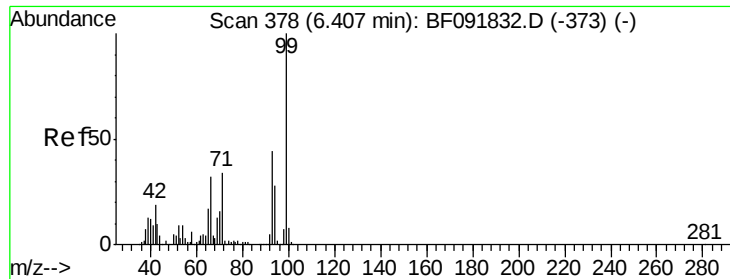


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 50.94 ng

RT: 6.22 min Scan# 388

Delta R.T. -0.09 min

Lab File: BF092289.D

Acq: 16 Jan 2017 17:10

Instrument :

BNA_F

ClientSampleId :

W-36

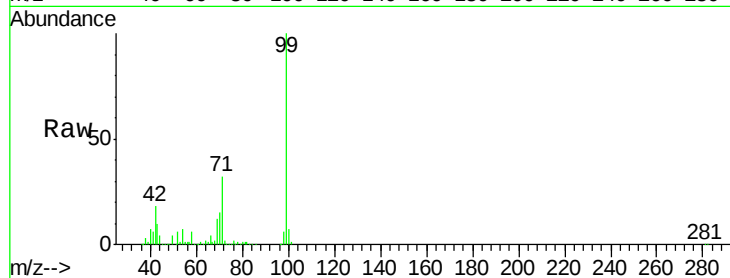
Tgt Ion: 99 Resp: 747333

Ion Ratio Lower Upper

99 100

42 18.4 15.6 23.4

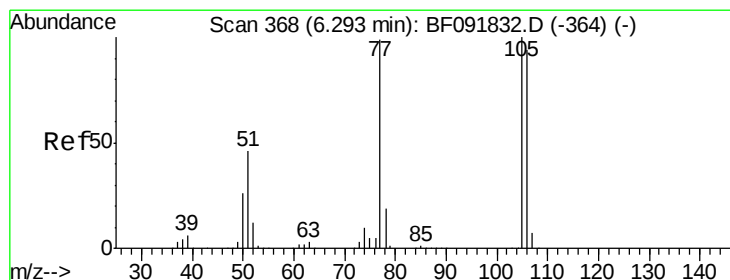
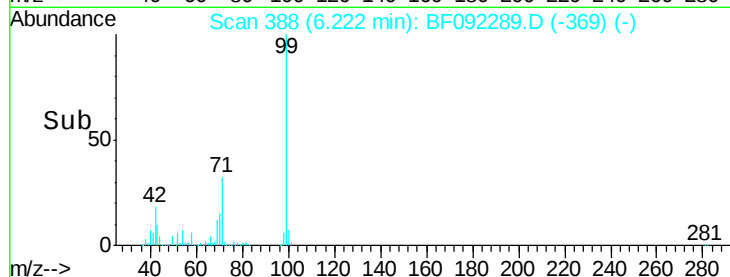
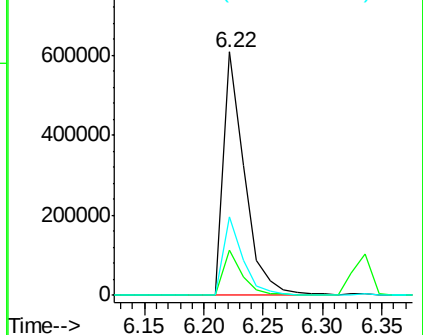
71 32.2 27.5 41.3



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



#9

Benzaldehyde

Concen: 3.27 ng

RT: 6.34 min Scan# 398

Delta R.T. 0.15 min

Lab File: BF092289.D

Acq: 16 Jan 2017 17:10

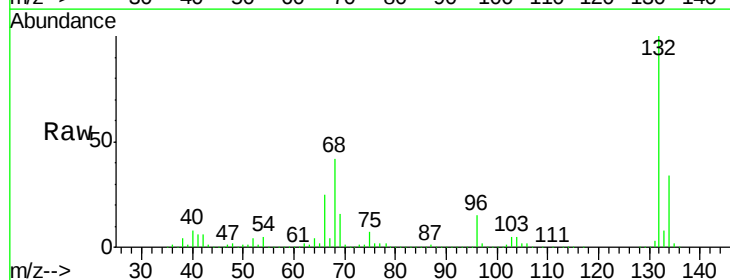
Tgt Ion: 77 Resp: 38267

Ion Ratio Lower Upper

77 100

105 77.3 83.9 123.9#

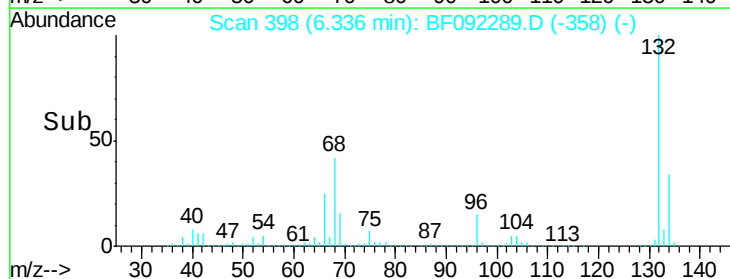
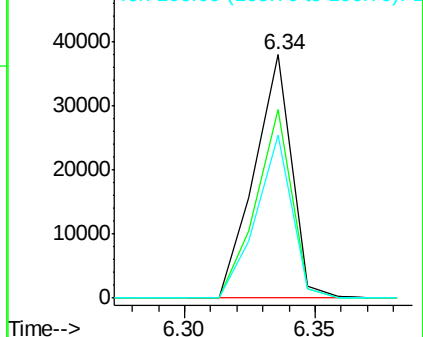
106 66.8 77.6 117.6#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

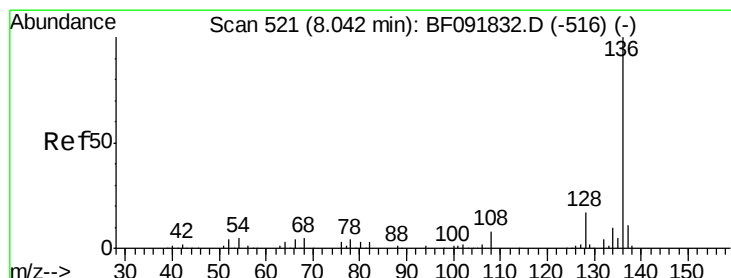
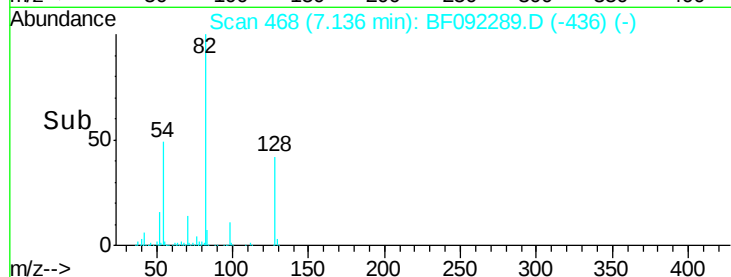
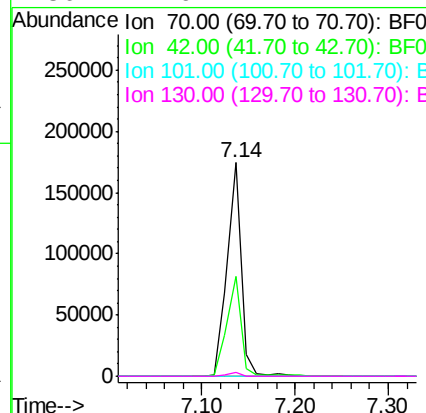
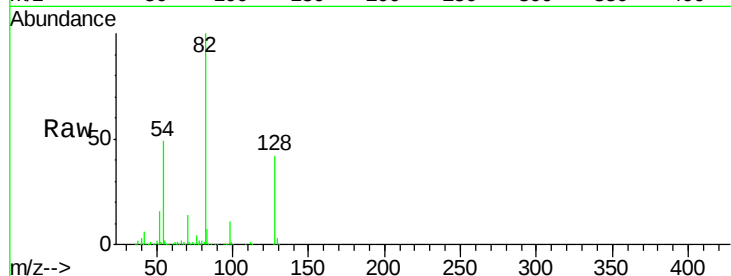




#19
n-Nitroso-di-n-propylamine
Concen: 18.93 ng
RT: 7.14 min Scan# 468
Delta R.T. 0.06 min
Lab File: BF092289.D
Acq: 16 Jan 2017 17:10

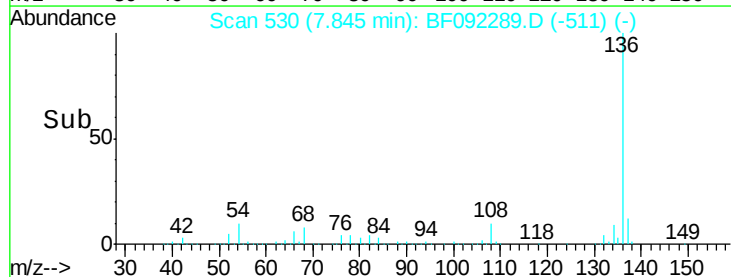
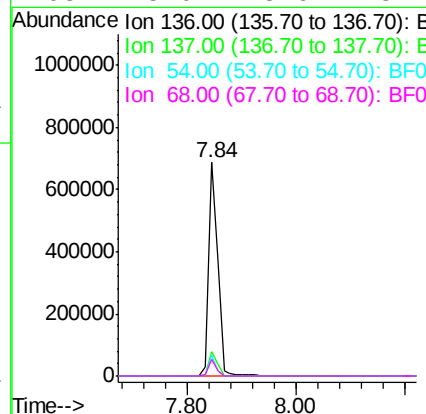
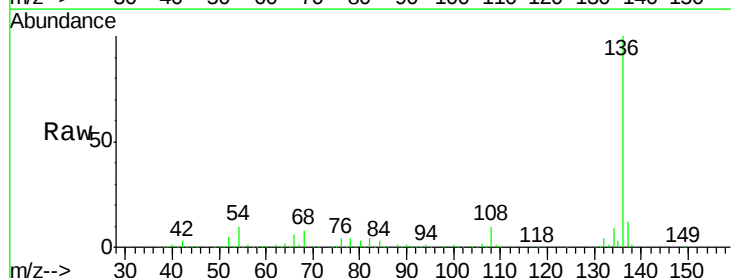
Instrument :
BNA_F
ClientSampleId :
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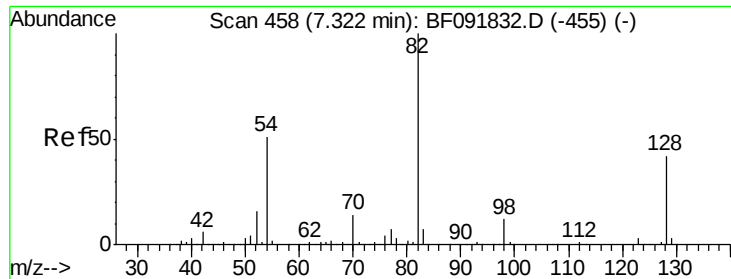
Tgt Ion: 70 Resp: 184741
Ion Ratio Lower Upper
70 100
42 46.8 49.4 74.0#
101 0.0 7.4 11.2#
130 1.9 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 530
Delta R.T. -0.09 min
Lab File: BF092289.D
Acq: 16 Jan 2017 17:10

Tgt Ion: 136 Resp: 776991
Ion Ratio Lower Upper
136 100
137 11.6 8.4 12.6
54 9.8 4.5 6.7#
68 8.0 3.6 5.4#

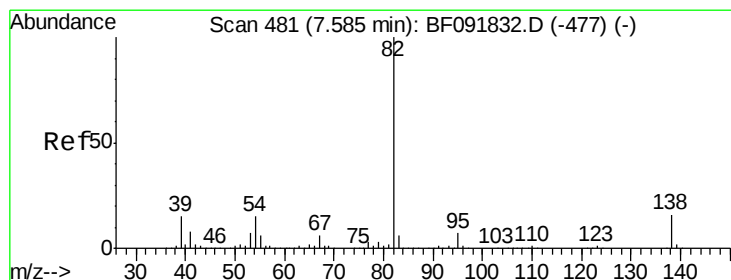
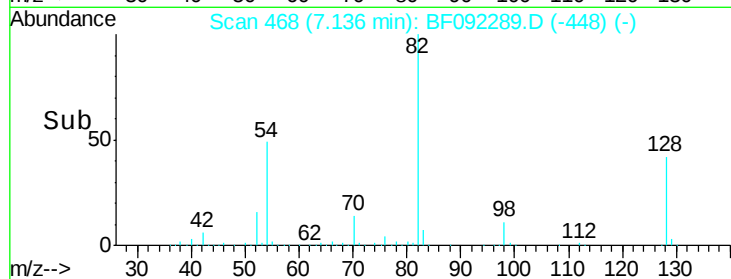
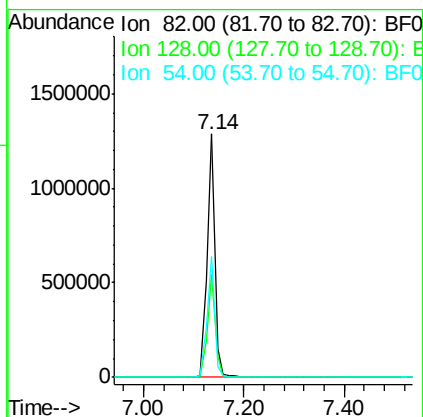
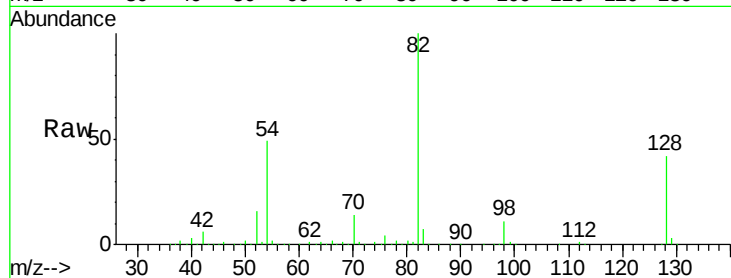




#23
 Nitrobenzene-d5
 Concen: 99.12 ng
 RT: 7.14 min Scan# 468
 Delta R.T. -0.08 min
 Lab File: BF092289.D
 Acq: 16 Jan 2017 17:10

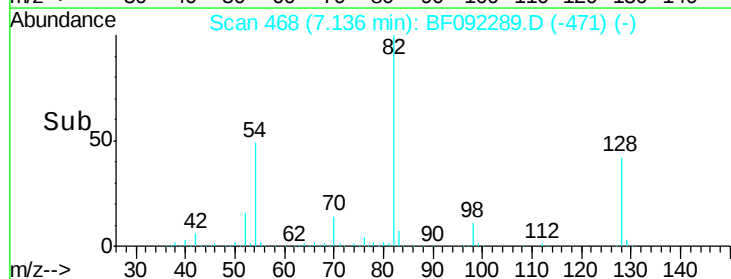
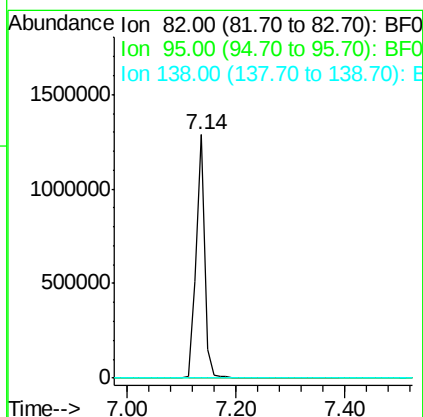
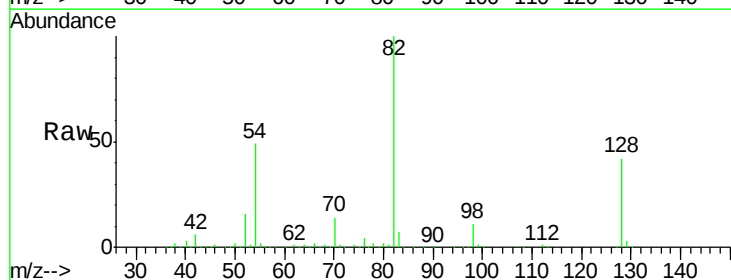
Instrument :
 BNA_F
 ClientSampleId :
 W-36

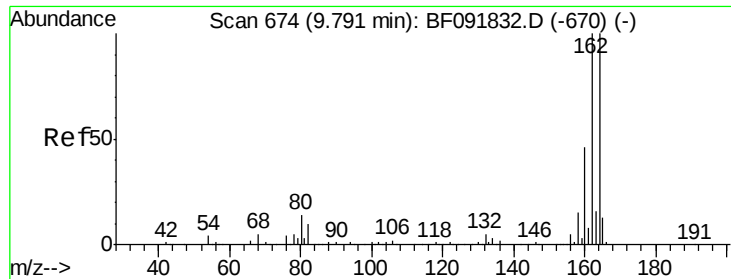
Tgt Ion: 82 Resp: 1385024
 Ion Ratio Lower Upper
 82 100
 128 42.3 34.6 52.0
 54 49.4 39.5 59.3



#25
 Isophorone
 Concen: 53.12 ng
 RT: 7.14 min Scan# 468
 Delta R.T. -0.34 min
 Lab File: BF092289.D
 Acq: 16 Jan 2017 17:10

Tgt Ion: 82 Resp: 1369360
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.59 min Scan# 683

Delta R.T. -0.09 min

Lab File: BF092289.D

Acq: 16 Jan 2017 17:10

Instrument :

BNA_F

ClientSampleId :

W-36

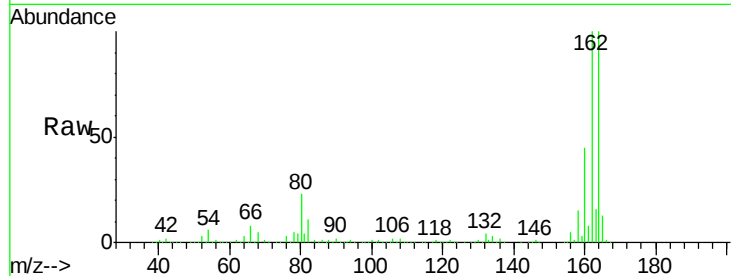
Tgt Ion:164 Resp: 516545

Ion Ratio Lower Upper

164 100

162 100.2 80.2 120.2

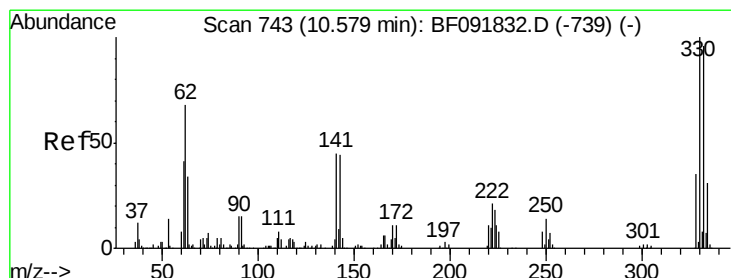
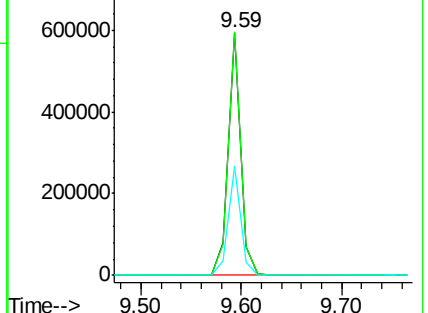
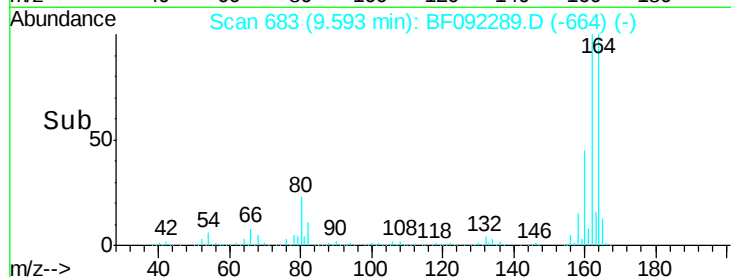
160 45.2 36.9 55.3



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: 146.15 ng

RT: 10.39 min Scan# 753

Delta R.T. -0.08 min

Lab File: BF092289.D

Acq: 16 Jan 2017 17:10

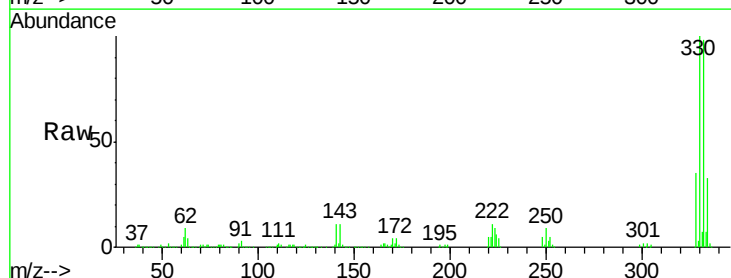
Tgt Ion:330 Resp: 624760

Ion Ratio Lower Upper

330 100

332 97.4 77.4 116.2

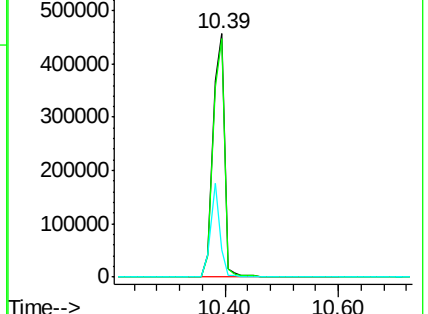
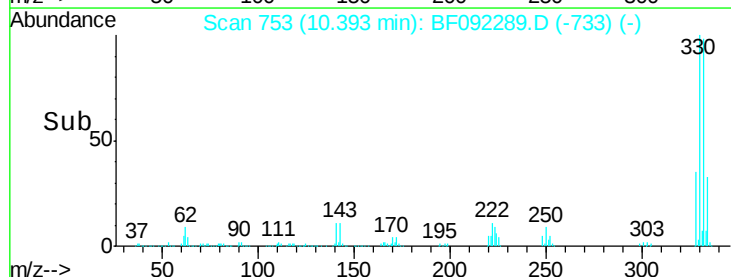
141 31.2 34.1 51.1#

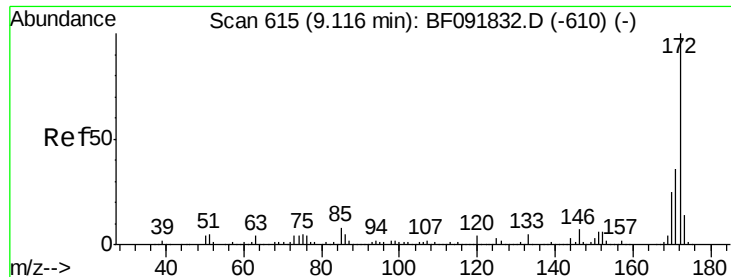


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

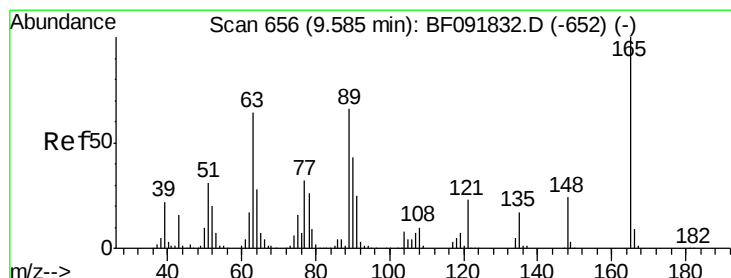
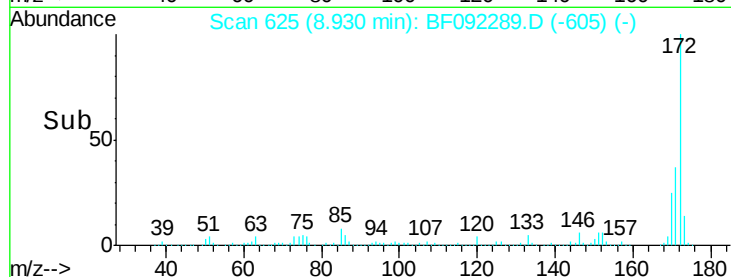
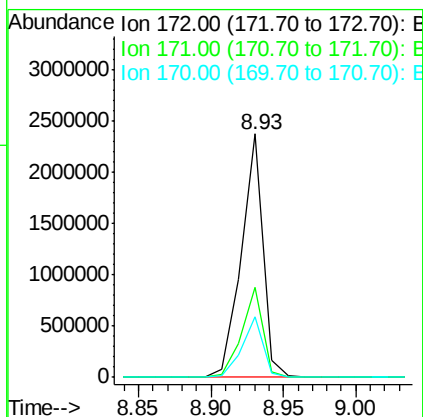
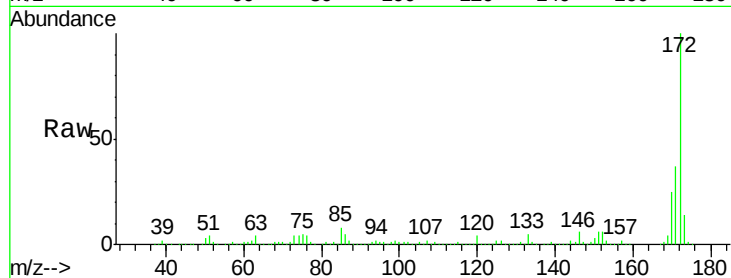




#44
 2-Fluorobiphenyl
 Concen: 99.90 ng
 RT: 8.93 min Scan# 625
 Delta R.T. -0.08 min
 Lab File: BF092289.D
 Acq: 16 Jan 2017 17:10

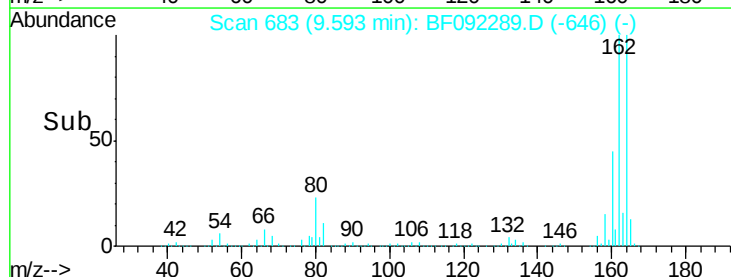
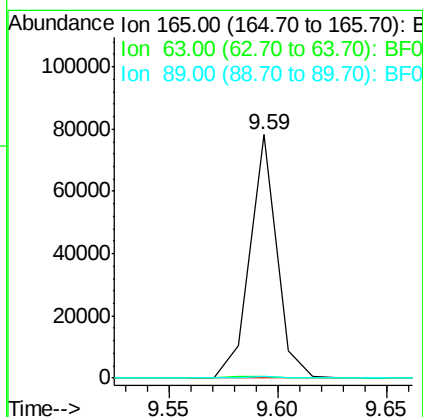
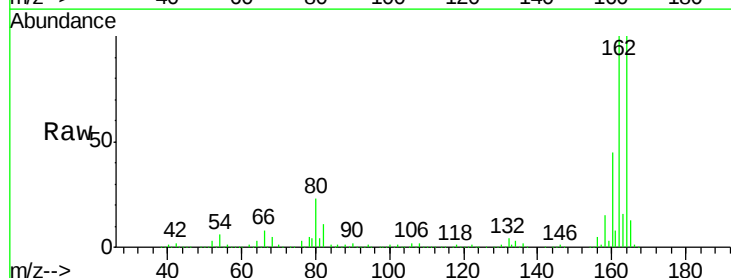
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Tgt Ion:172 Resp: 2461590
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.4 44.0
 170 24.9 20.2 30.4



#50
 2,6-Dinitrotoluene
 Concen: 9.29 ng
 RT: 9.59 min Scan# 683
 Delta R.T. 0.12 min
 Lab File: BF092289.D
 Acq: 16 Jan 2017 17:10

Tgt Ion:165 Resp: 67206
 Ion Ratio Lower Upper
 165 100
 63 0.8 36.2 54.4#
 89 0.8 40.2 60.4#

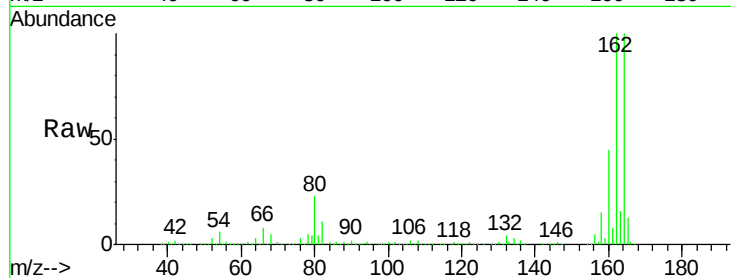




#56
 2,4-Dinitrotoluene
 Concen: 7.41 ng
 RT: 9.59 min Scan# 683
 Delta R.T. -0.29 min
 Lab File: BF092289.D
 Acq: 16 Jan 2017 17:10

Instrument :
 BNA_F
 ClientSampleId :
 W-36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.8	40.2	60.4#
89	0.8	62.5	93.7#
182	0.0	1.8	2.8#

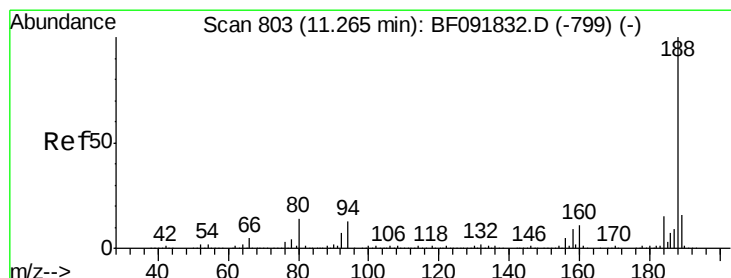
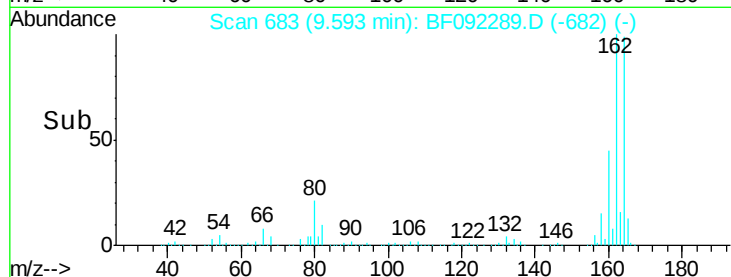
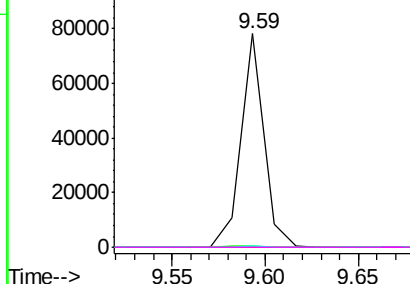


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

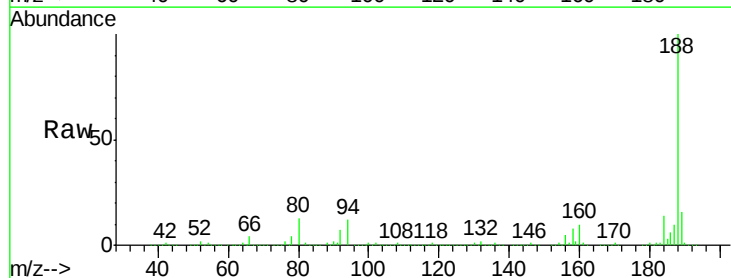
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.07 min Scan# 812
 Delta R.T. -0.09 min
 Lab File: BF092289.D
 Acq: 16 Jan 2017 17:10

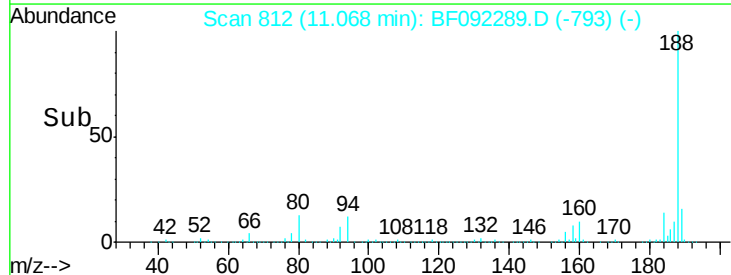
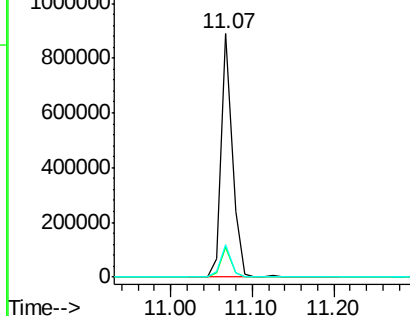
Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.3	10.0	15.0
80	13.3	11.2	16.8

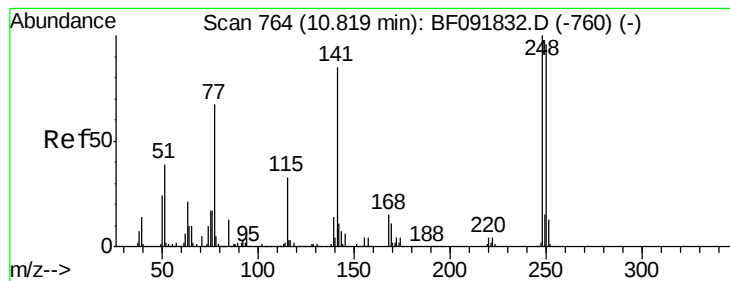


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 4.26 ng

RT: 10.38 min Scan# 752

Delta R.T. -0.33 min

Lab File: BF092289.D

Acq: 16 Jan 2017 17:10

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ClientSampleId :

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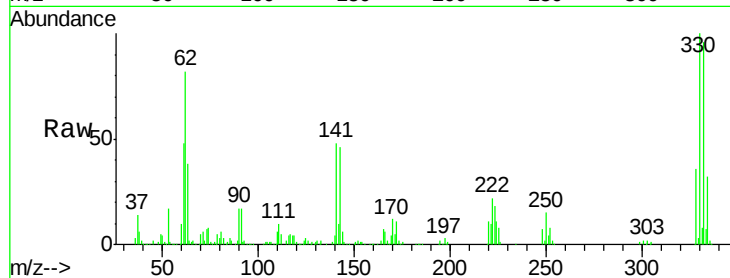
Tgt Ion:248 Resp: 37223

Ion Ratio Lower Upper

248 100

250 196.1 76.9 115.3#

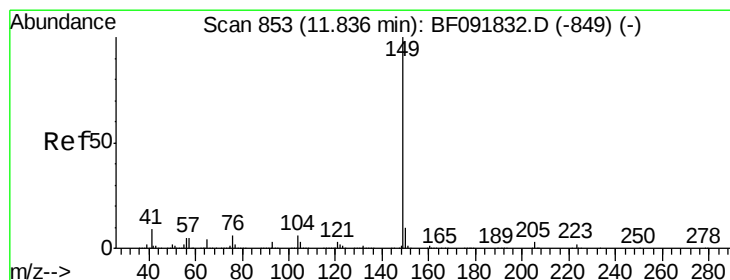
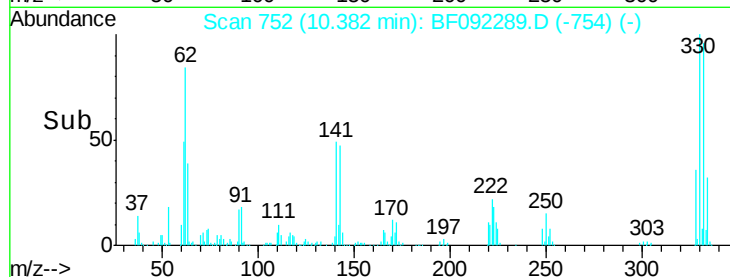
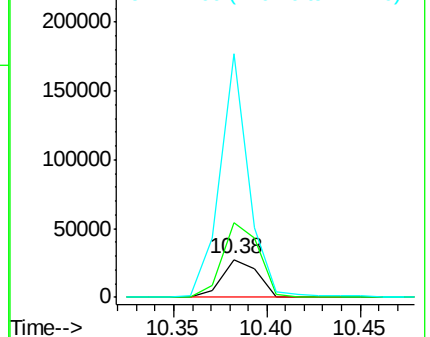
141 640.0 68.2 102.4#



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



#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.65 min Scan# 863

Delta R.T. -0.08 min

Lab File: BF092289.D

Acq: 16 Jan 2017 17:10

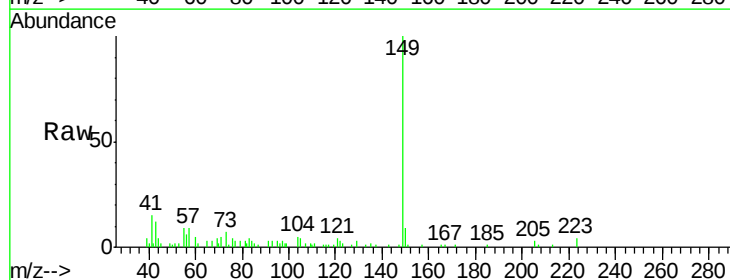
Tgt Ion:149 Resp: 32620

Ion Ratio Lower Upper

149 100

150 8.7 8.1 12.1

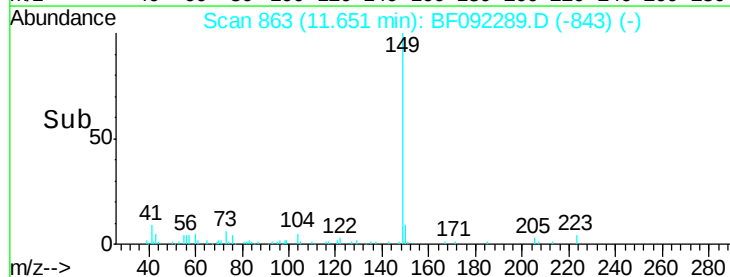
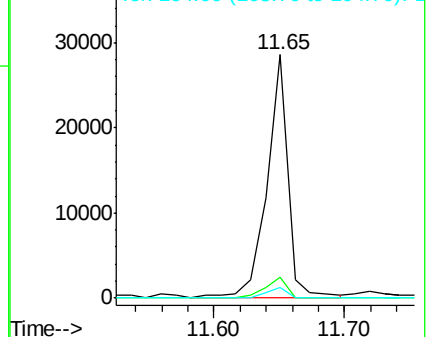
104 4.5 4.6 7.0#

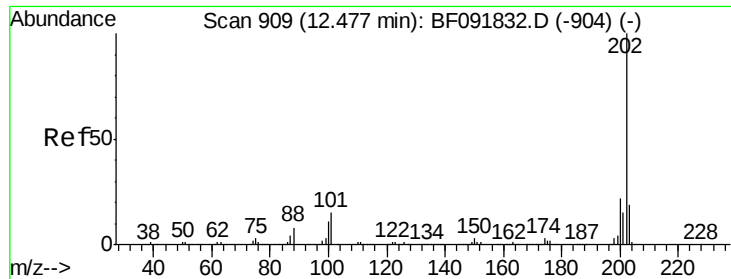


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: Below Cal

RT: 12.28 min Scan# 918

Delta R.T. -0.09 min

Lab File: BF092289.D

Acq: 16 Jan 2017 17:10

Instrument :

BNA_F

ClientSampleId :

W-36

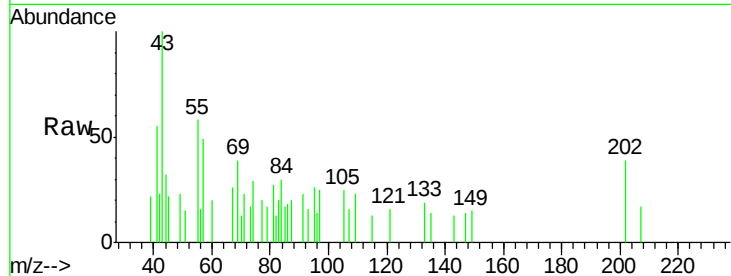
Tgt Ion:202 Resp: 853

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

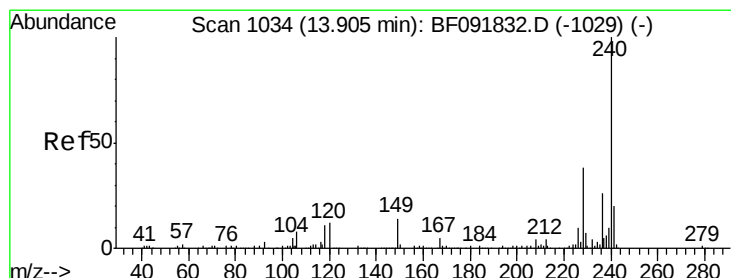
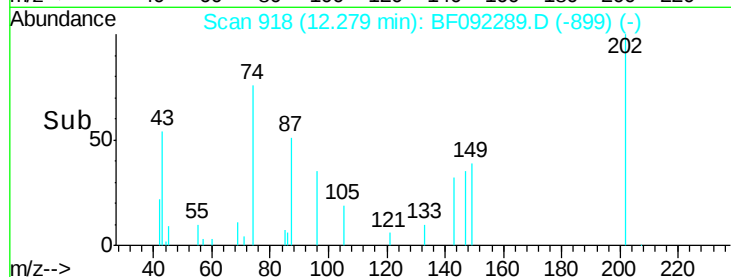
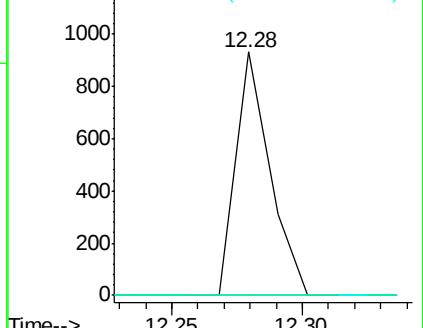
203 0.0 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.70 min Scan# 1042

Delta R.T. -0.09 min

Lab File: BF092289.D

Acq: 16 Jan 2017 17:10

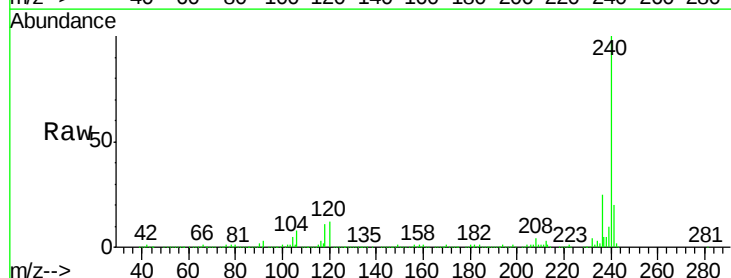
Tgt Ion:240 Resp: 728106

Ion Ratio Lower Upper

240 100

120 12.5 12.9 19.3#

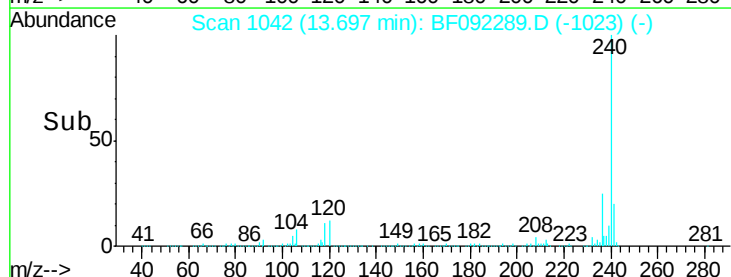
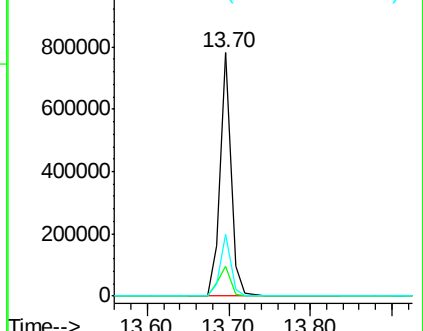
236 25.4 20.9 31.3

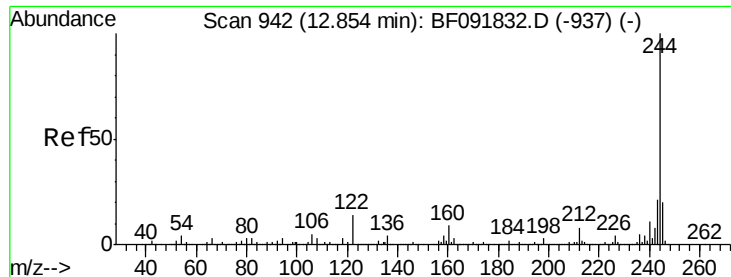


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

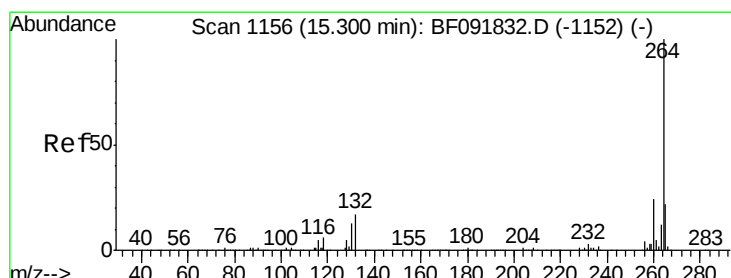
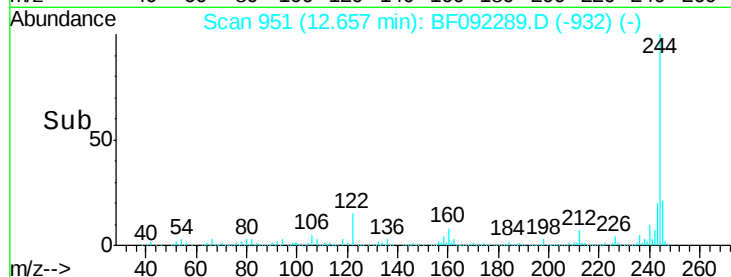
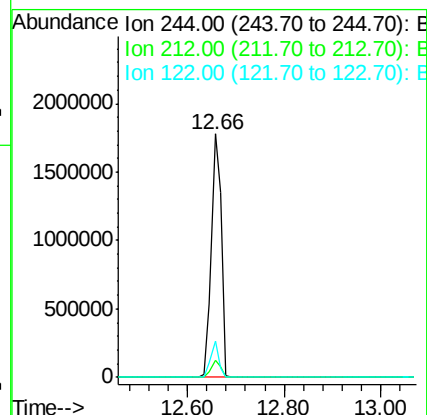
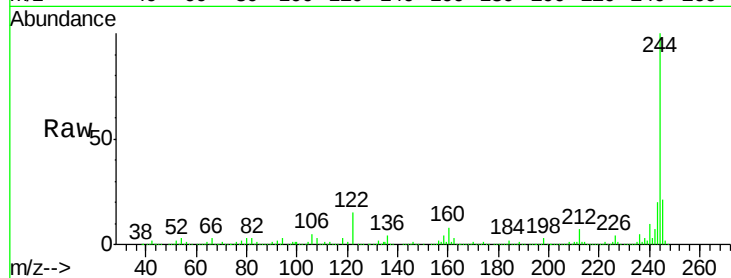




#78
 Terphenyl-d14
 Concen: 85.19 ng
 RT: 12.66 min Scan# 951
 Delta R.T. -0.09 min
 Lab File: BF092289.D
 Acq: 16 Jan 2017 17:10

Instrument :
 BNA_F
 ClientSampleId :
 W-36

Tgt Ion:244 Resp: 2557451
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.2 9.2
 122 14.9 11.4 17.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.05 min Scan# 1160
 Delta R.T. -0.10 min
 Lab File: BF092289.D
 Acq: 16 Jan 2017 17:10

Tgt Ion:264 Resp: 582143
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.2 28.8
 265 22.0 17.4 26.0

