

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020717\
 Data File : BF092850.D
 Acq On : 8 Feb 2017 3:39
 Operator : SJ/MA
 Sample : I1712-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRUMS-SOIL-ROW-COMP

Quant Time: Feb 08 04:08:26 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 07 23:52:21 2017
 Response via : Initial Calibration

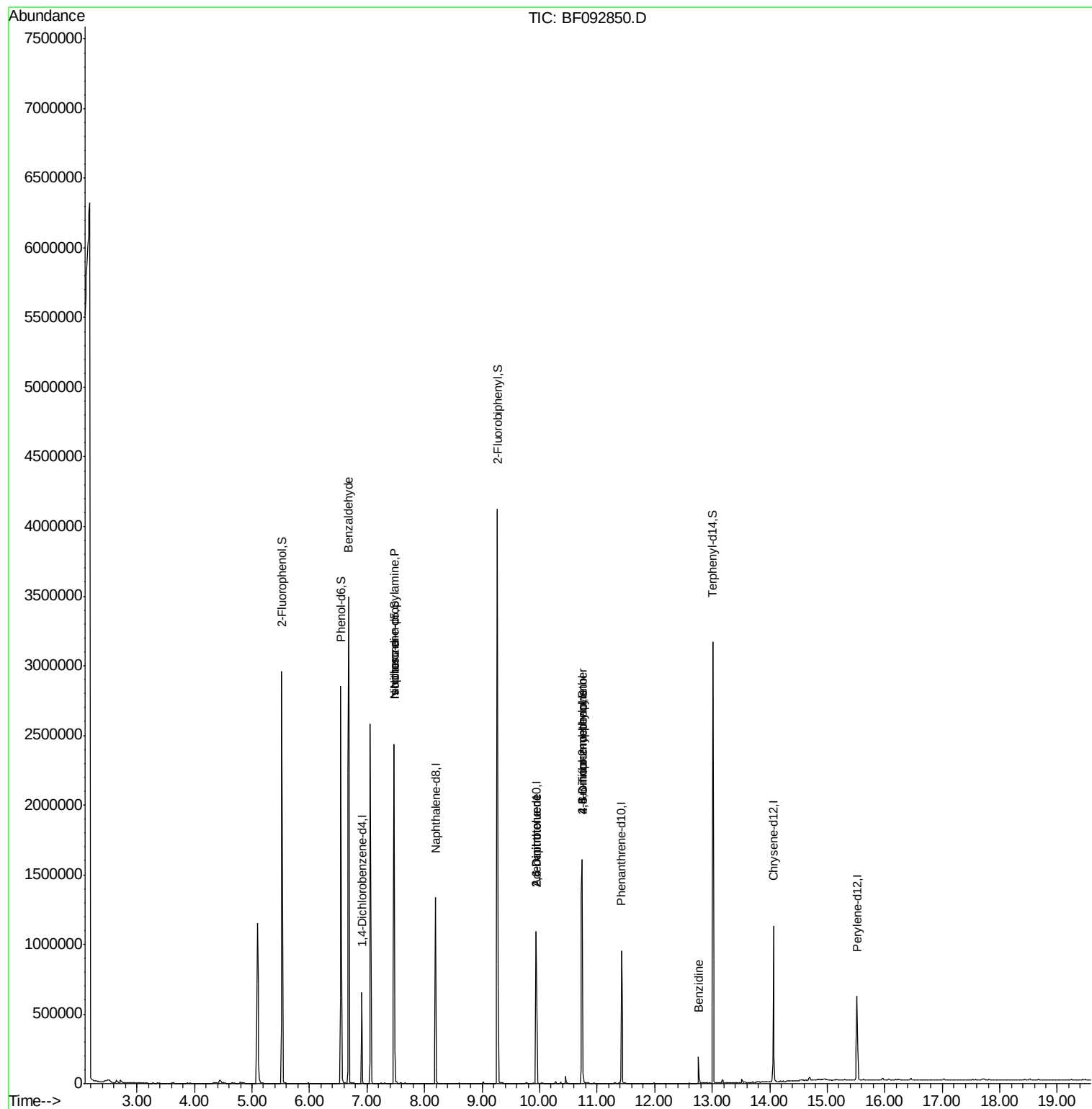
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	138116	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	565743	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	279054	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	394726	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	358404	20.00	ng	-0.01
86) Perylene-d12	15.52	264	269007	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	1005839	124.94	ng	0.01
7) Phenol-d6	6.54	99	1139686	110.03	ng	0.00
23) Nitrobenzene-d5	7.47	82	772009	75.99	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	276329	136.91	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1337210	86.81	ng	0.00
78) Terphenyl-d14	13.01	244	1042476	68.34	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.68	77	23462	3.16	ng	Qvalue 85
19) n-Nitroso-di-n-propylamine	7.47	70	102107	15.49	ng	# 83
25) Isophorone	7.47	82	621287	32.82	ng	# 65
50) 2,6-Dinitrotoluene	9.94	165	35404	8.72	ng	# 31
56) 2,4-Dinitrotoluene	9.94	165	35407	6.55	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.74	198	752	2.96	ng	# 1
66) 4-Bromophenyl-phenylether	10.74	248	19781	4.80	ng	# 1
76) Benzydine	12.76	184	80328	5.26	ng	97

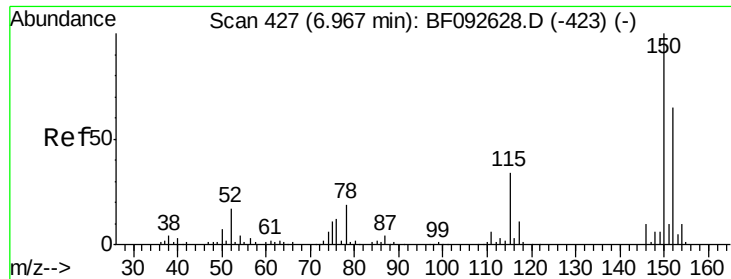
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.91 min Scan# 422

Delta R.T. 0.00 min

Lab File: BF092850.D

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Instrument :

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ClientSampleId :

DRUMS-SOIL-ROW-COMP

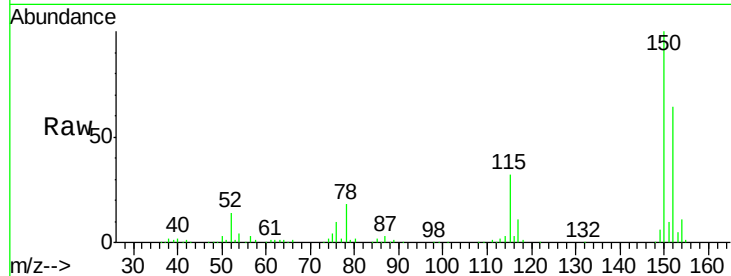
Tgt Ion:152 Resp: 138116

Ion Ratio Lower Upper

152 100

150 156.7 124.9 187.3

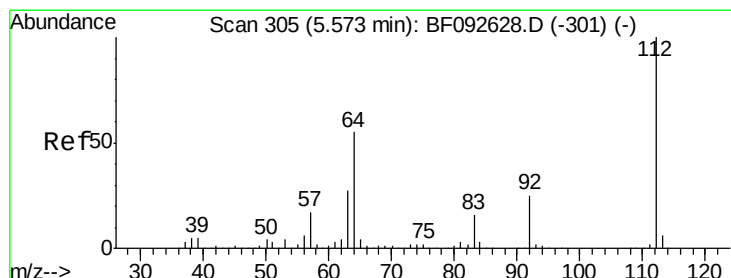
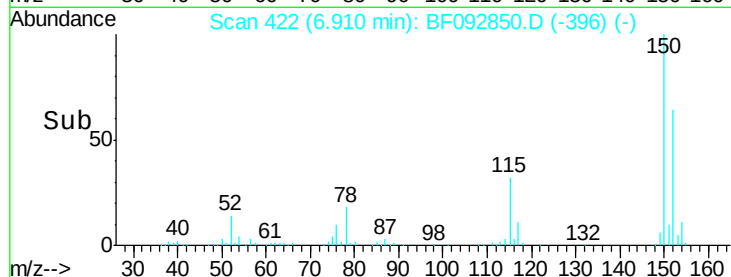
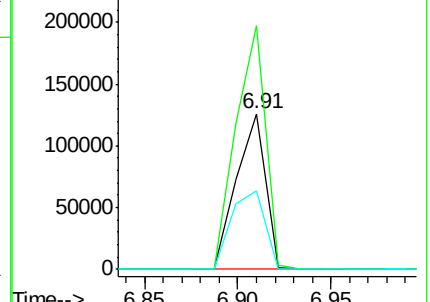
115 50.8 46.0 69.0



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: 124.94 ng

RT: 5.52 min Scan# 300

Delta R.T. 0.01 min

Lab File: BF092850.D

Acq: 8 Feb 2017 3:39

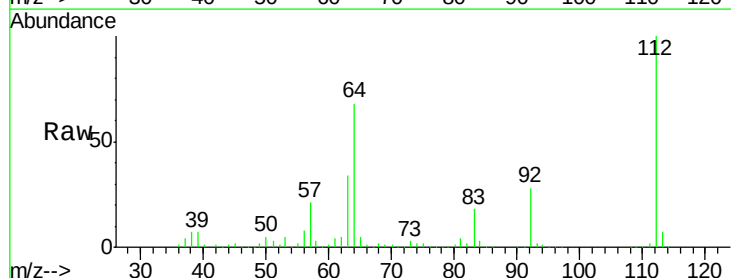
Tgt Ion:112 Resp: 1005839

Ion Ratio Lower Upper

112 100

64 68.5 46.1 69.1

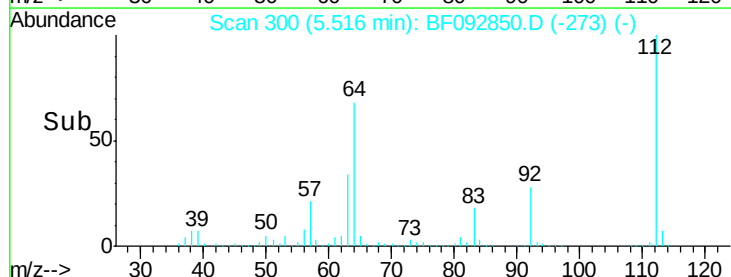
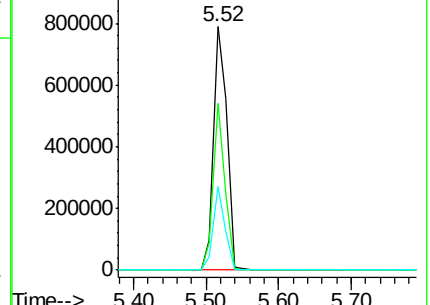
63 34.5 23.8 35.6

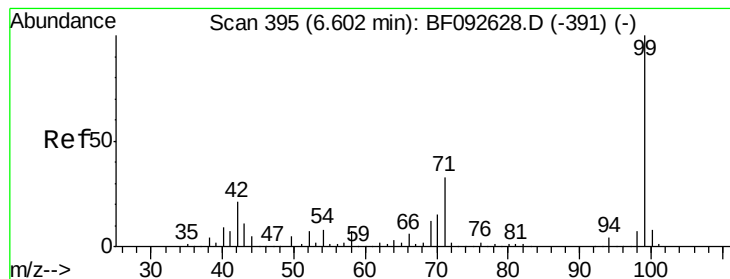


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 110.03 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.00 min

Lab File: BF092850.D

Acq: 8 Feb 2017 3:39

Instrument :

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ClientSampleId :

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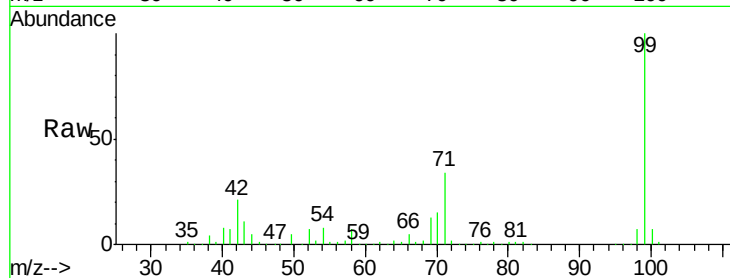
Tgt Ion: 99 Resp: 1139686

Ion Ratio Lower Upper

99 100

42 21.0 15.6 23.4

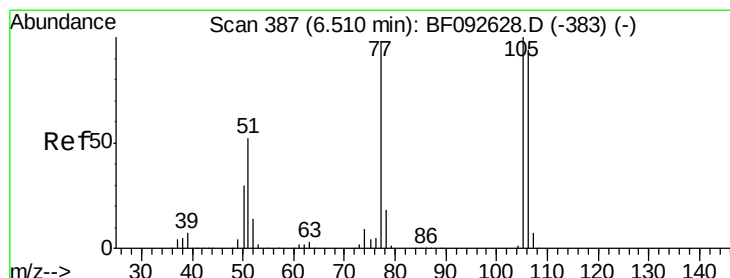
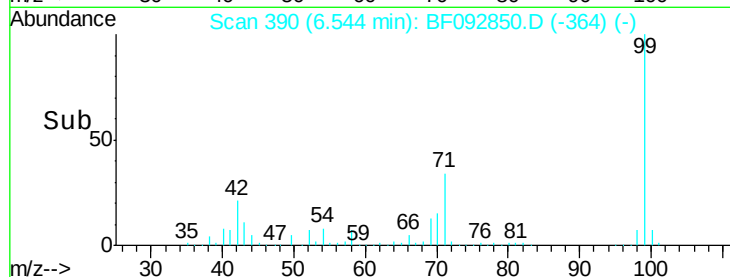
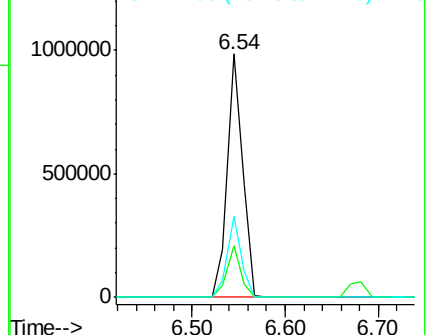
71 33.5 27.5 41.3



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: 3.16 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.23 min

Lab File: BF092850.D

Acq: 8 Feb 2017 3:39

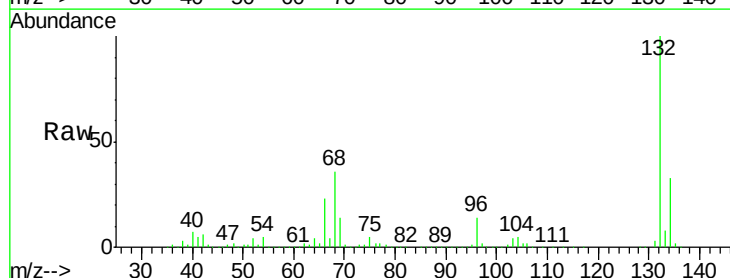
Tgt Ion: 77 Resp: 23462

Ion Ratio Lower Upper

77 100

105 89.2 83.9 123.9

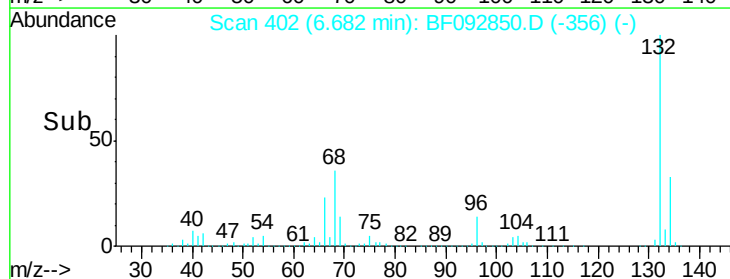
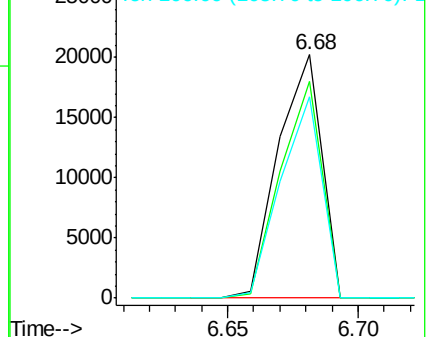
106 82.8 77.6 117.6

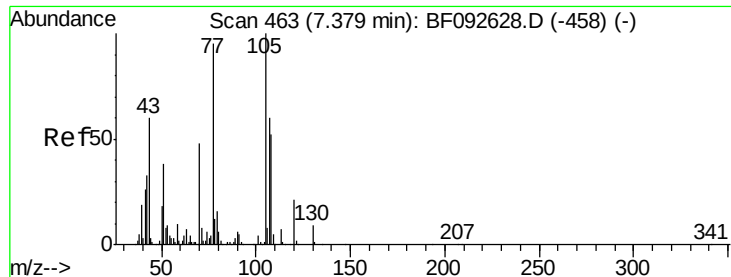


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

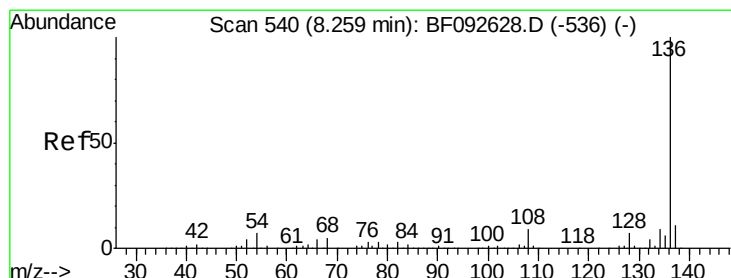
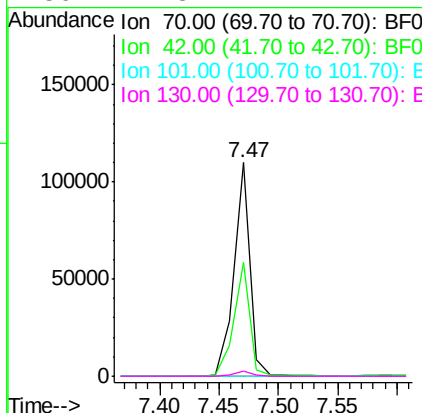
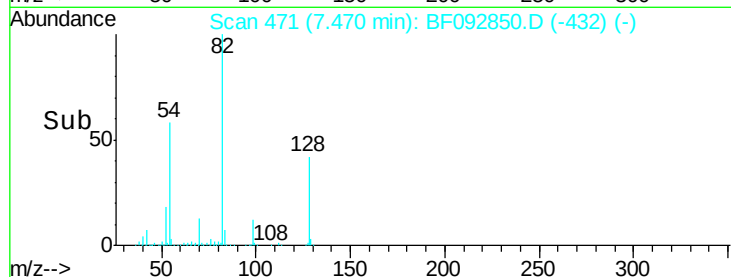
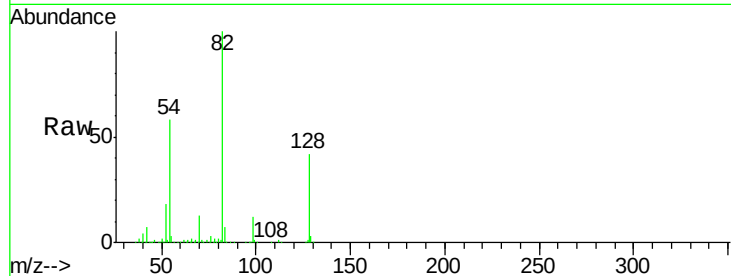




#19
n-Nitroso-di-n-propylamine
Concen: 15.49 ng
RT: 7.47 min Scan# 471
Delta R.T. 0.15 min
Lab File: BF092850.D
Acq: 8 Feb 2017 3:39

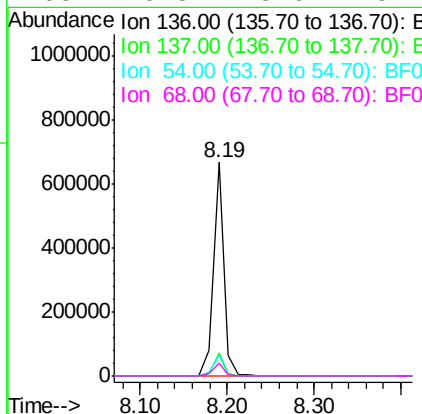
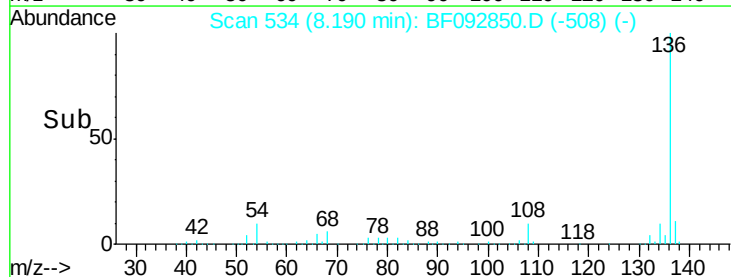
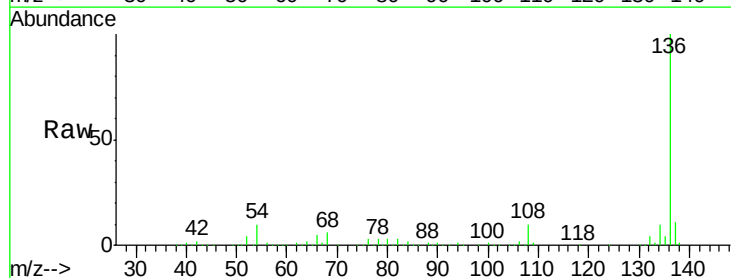
Instrument :
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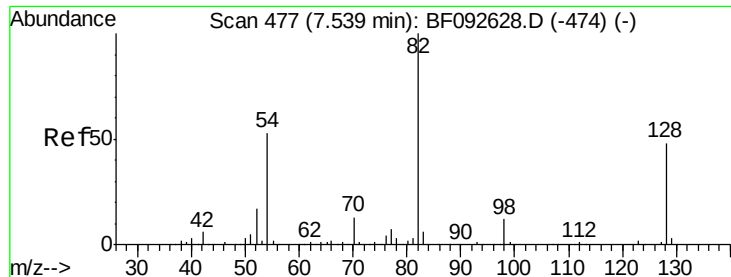
Tgt Ion: 70 Resp: 102107
Ion Ratio Lower Upper
70 100
42 53.2 49.4 74.0
101 0.0 7.4 11.2#
130 2.3 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. 0.00 min
Lab File: BF092850.D
Acq: 8 Feb 2017 3:39

Tgt Ion: 136 Resp: 565743
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 9.6 4.5 6.7#
68 6.3 3.6 5.4#

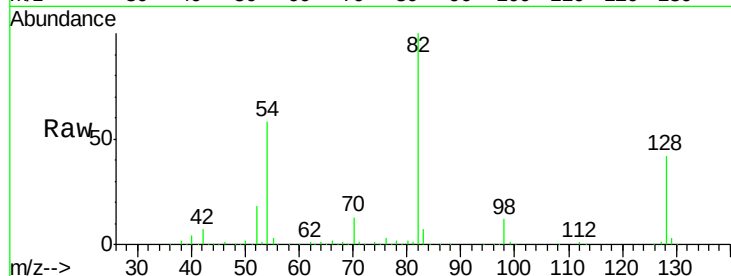




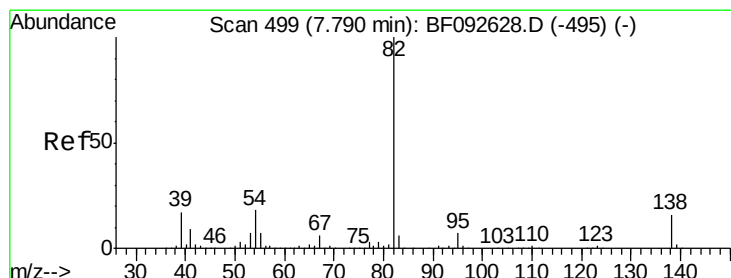
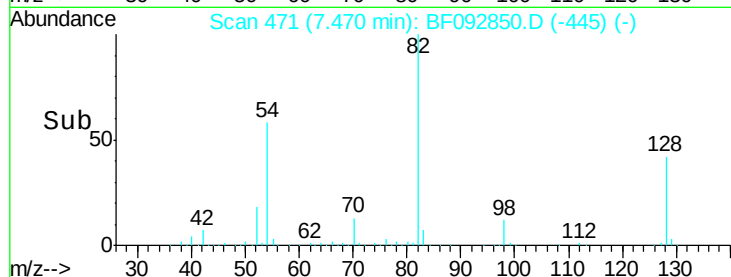
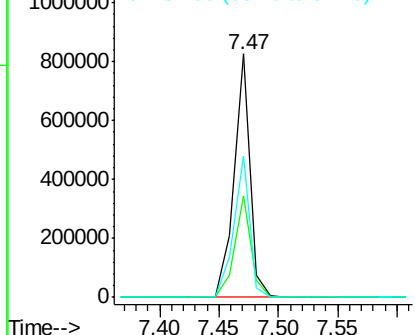
#23
 Nitrobenzene-d5
 Concen: 75.99 ng
 RT: 7.47 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: BF092850.D
 Acq: 8 Feb 2017 3:39

Instrument :
 BNA_F
 ClientSampleId :
 DRUMS-SOIL-ROW-COMP

Tgt Ion: 82 Resp: 772009
 Ion Ratio Lower Upper
 82 100
 128 41.9 34.6 52.0
 54 57.8 39.5 59.3

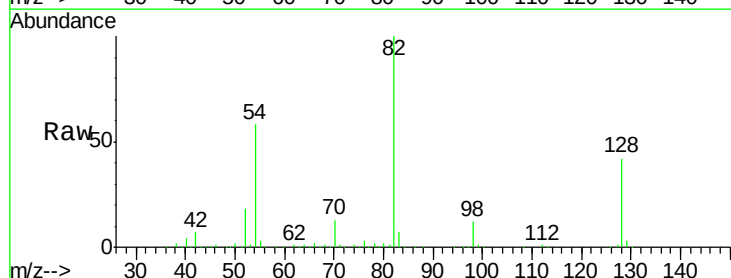


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

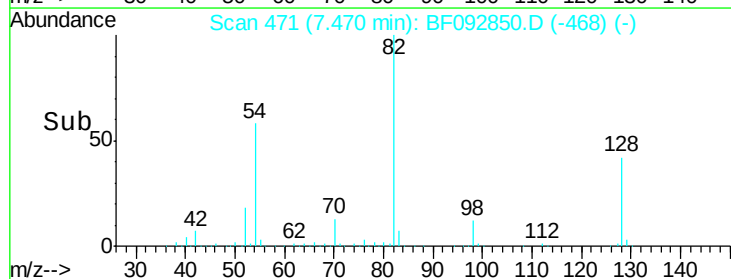
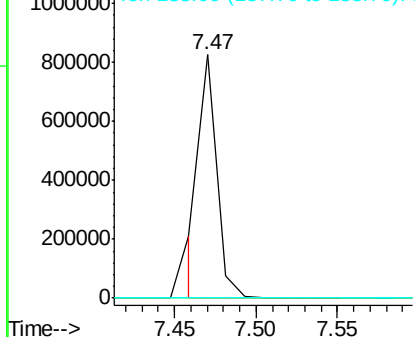


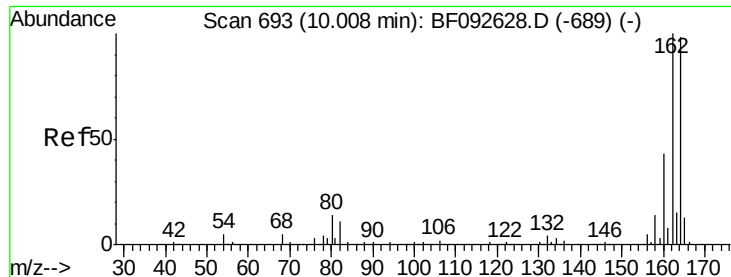
#25
 Isophorone
 Concen: 32.82 ng
 RT: 7.47 min Scan# 471
 Delta R.T. -0.26 min
 Lab File: BF092850.D
 Acq: 8 Feb 2017 3:39

Tgt Ion: 82 Resp: 621287
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0

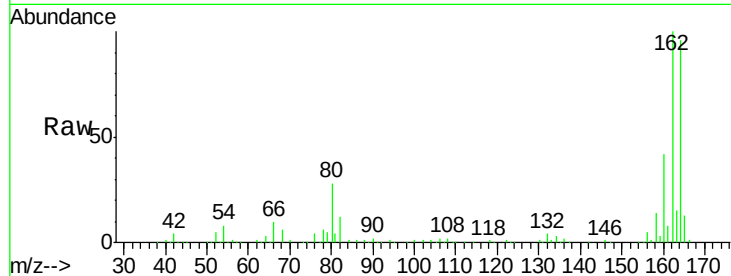




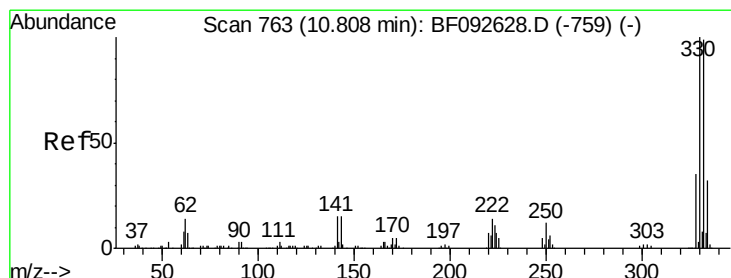
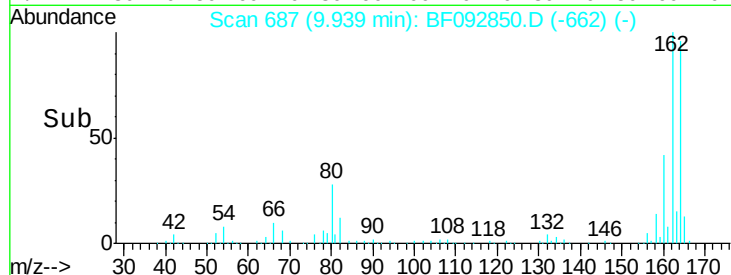
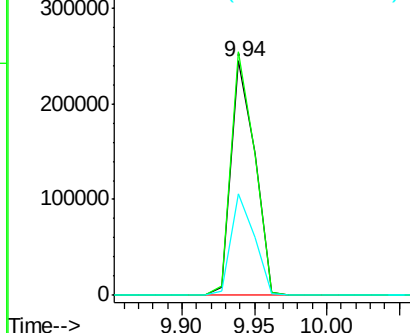
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.01 min
 Lab File: BF092850.D
 Acq: 8 Feb 2017 3:39

Instrument :
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Tgt Ion:164 Resp: 279054
 Ion Ratio Lower Upper
 164 100
 162 103.9 80.2 120.2
 160 43.2 36.9 55.3

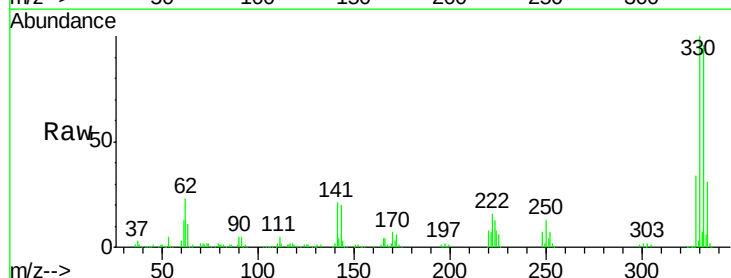


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

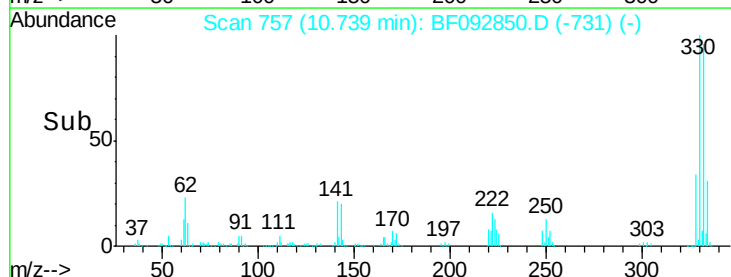
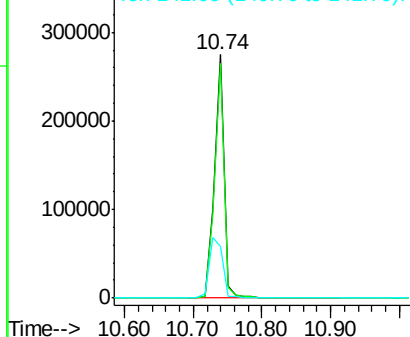


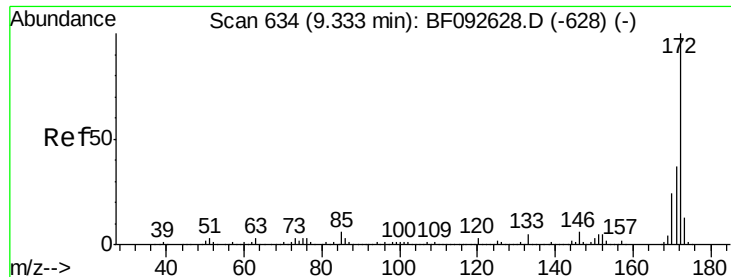
#41
 2,4,6-Tribromophenol
 Concen: 136.91 ng
 RT: 10.74 min Scan# 757
 Delta R.T. 0.00 min
 Lab File: BF092850.D
 Acq: 8 Feb 2017 3:39

Tgt Ion:330 Resp: 276329
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.4 116.2
 141 34.0 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

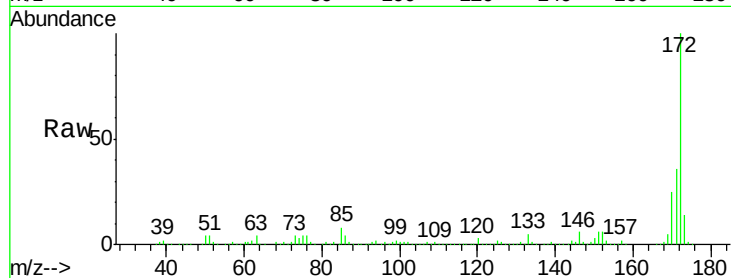




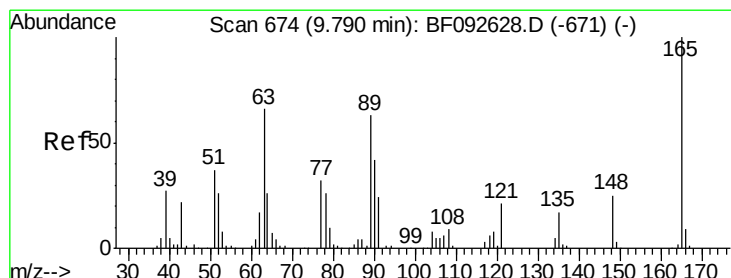
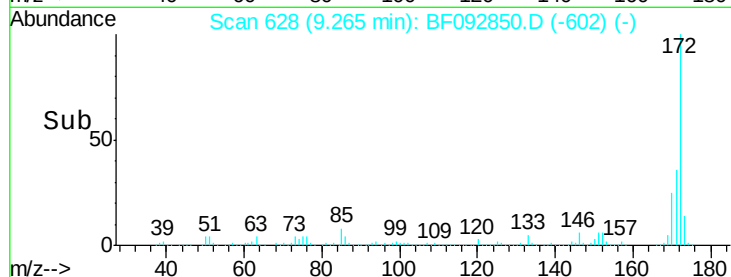
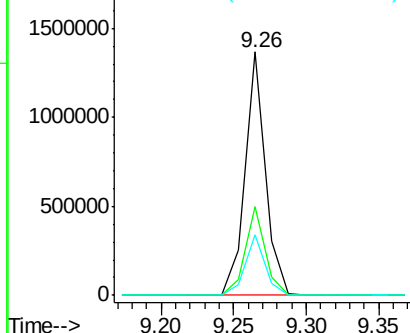
#44
 2-Fluorobiphenyl
 Concen: 86.81 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF092850.D
 Acq: 8 Feb 2017 3:39

Instrument :
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Tgt Ion:172 Resp: 1337210
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.7 20.2 30.4

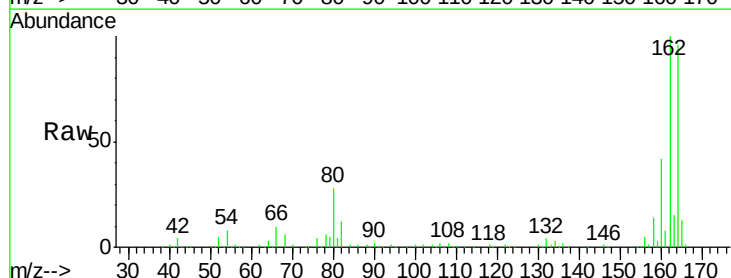


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

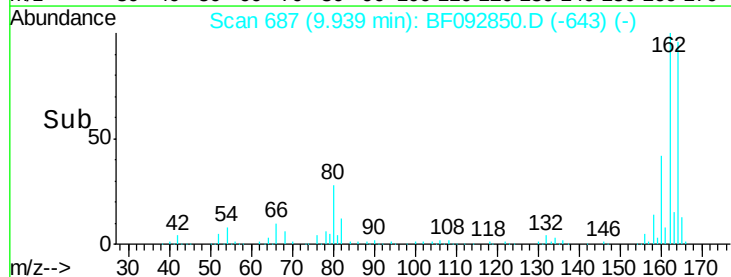
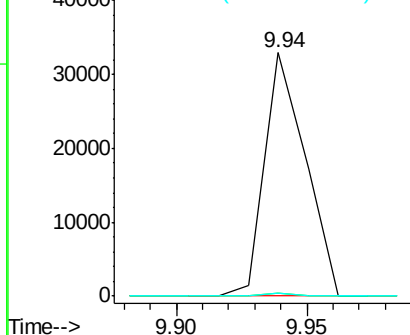


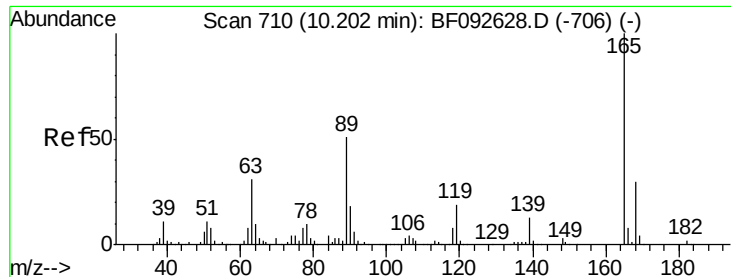
#50
 2,6-Dinitrotoluene
 Concen: 8.72 ng
 RT: 9.94 min Scan# 687
 Delta R.T. 0.21 min
 Lab File: BF092850.D
 Acq: 8 Feb 2017 3:39

Tgt Ion:165 Resp: 35404
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.2 54.4#
 89 1.2 40.2 60.4#



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

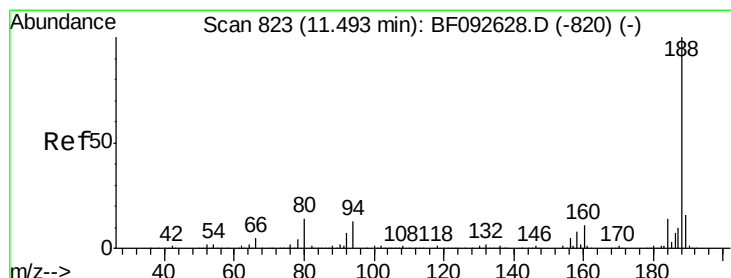
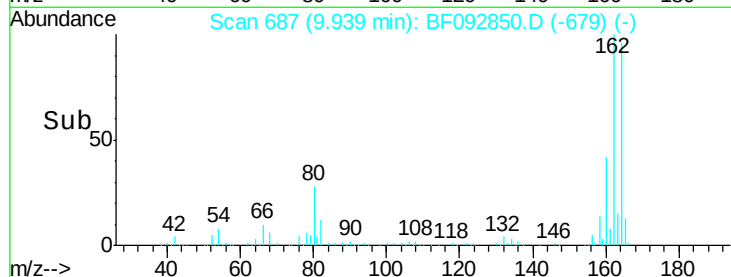
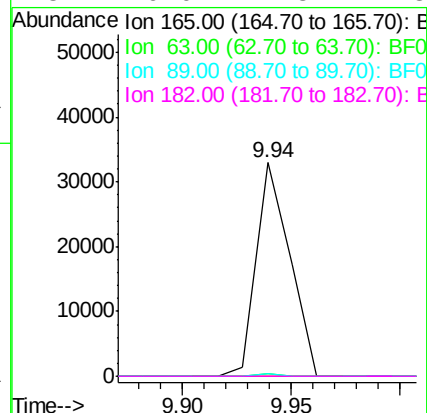
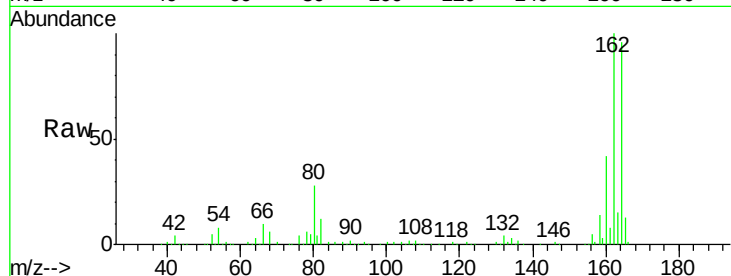




#56
 2,4-Dinitrotoluene
 Concen: 6.55 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.21 min
 Lab File: BF092850.D
 Acq: 8 Feb 2017 3:39

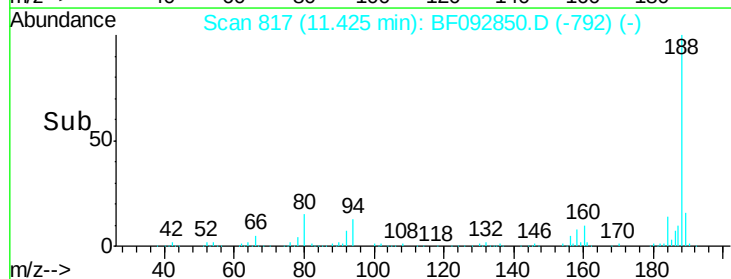
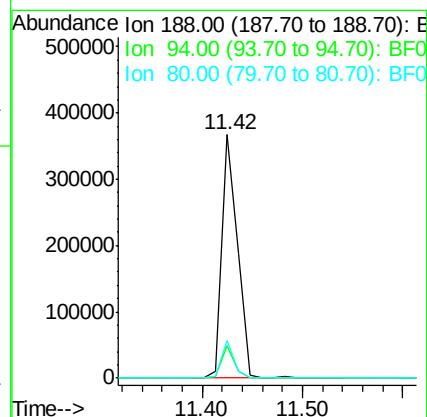
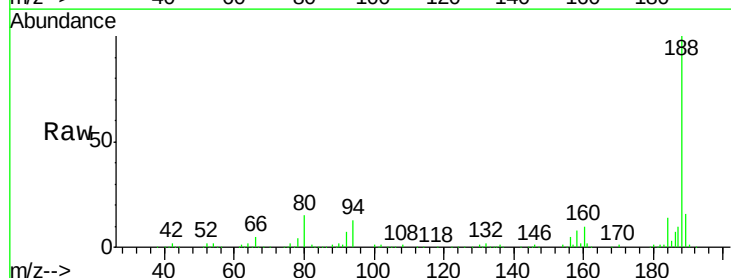
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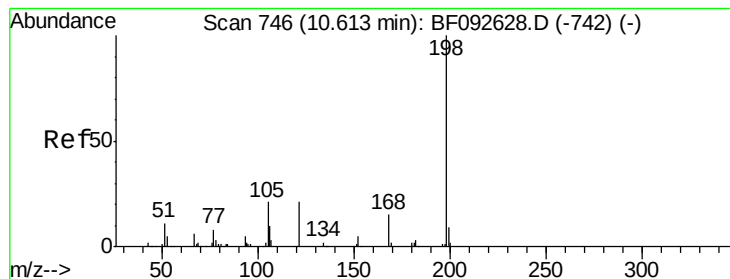
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	40.2	60.4#
89	1.2	62.5	93.7#
182	0.0	1.8	2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.42 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF092850.D
 Acq: 8 Feb 2017 3:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.3	10.0	15.0
80	15.4	11.2	16.8





#64

4,6-Dinitro-2-methylphenol

Concen: 2.96 ng

RT: 10.74 min Scan# 757

Delta R.T. 0.18 min

Lab File: BF092850.D

Acq: 8 Feb 2017 3:39

Instrument :

BNA_F

ClientSampleId :

DRUMS-SOIL-ROW-COMP

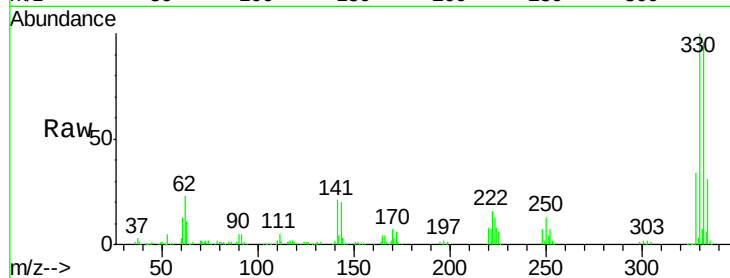
Tgt Ion:198 Resp: 752

Ion Ratio Lower Upper

198 100

51 128.3 6.7 46.7#

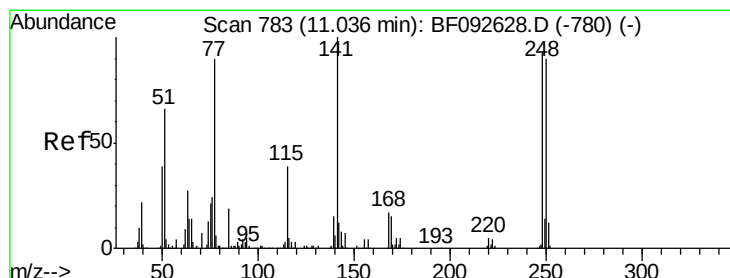
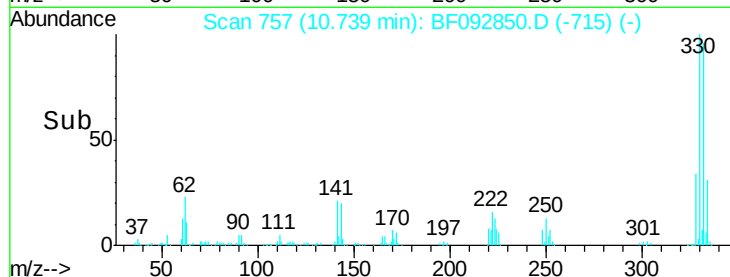
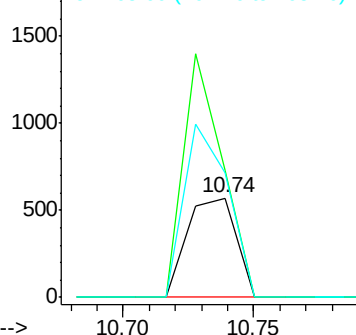
105 125.5 16.6 56.6#



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: 4.80 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.24 min

Lab File: BF092850.D

Acq: 8 Feb 2017 3:39

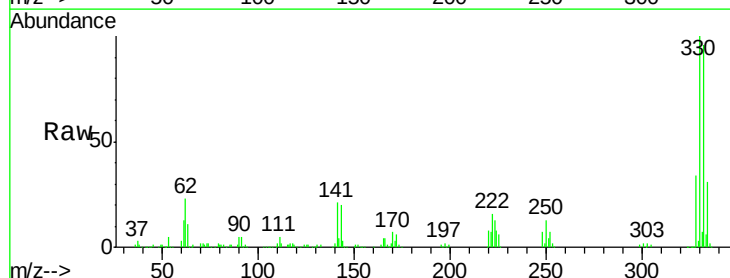
Tgt Ion:248 Resp: 19781

Ion Ratio Lower Upper

248 100

250 196.4 76.9 115.3#

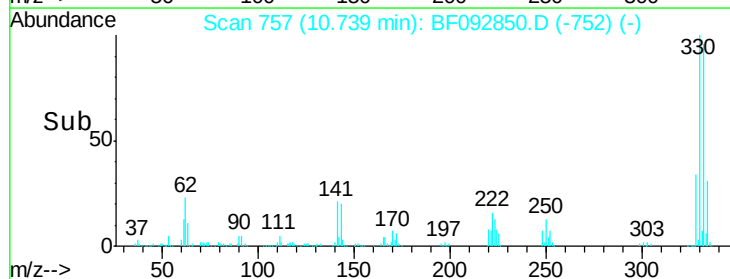
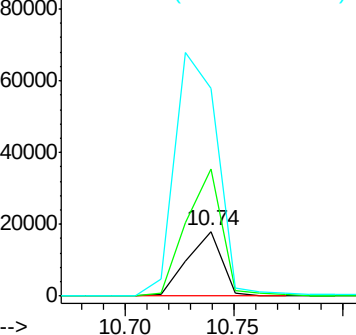
141 321.5 68.2 102.4#

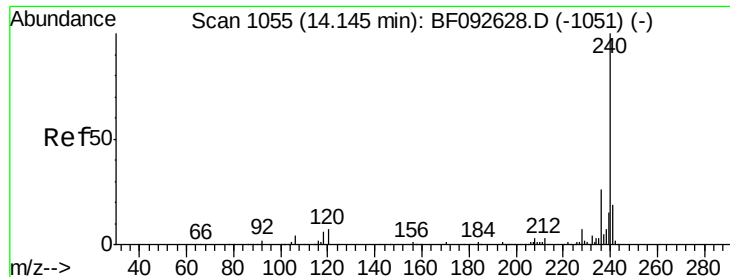


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF092850.D

Acq: 8 Feb 2017 3:39

Instrument :

BNA_F

ClientSampleId :

DRUMS-SOIL-ROW-COMP

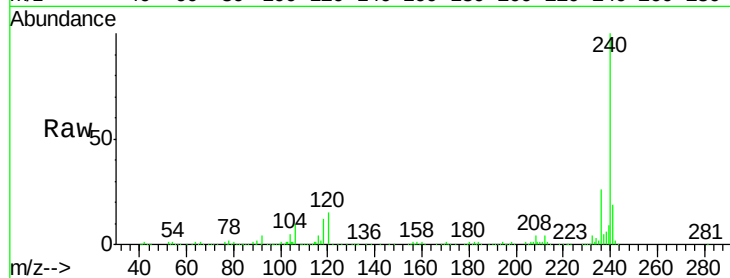
Tgt Ion:240 Resp: 358404

Ion Ratio Lower Upper

240 100

120 14.6 12.9 19.3

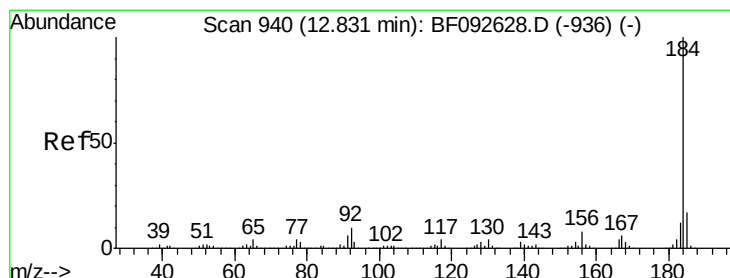
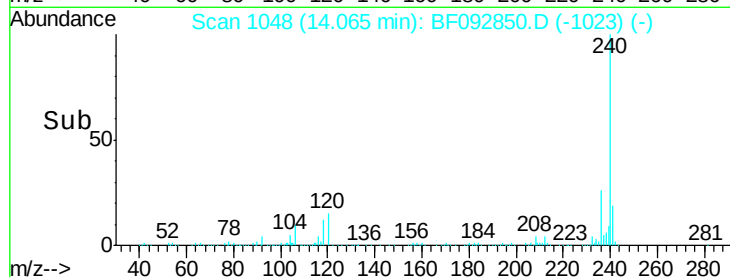
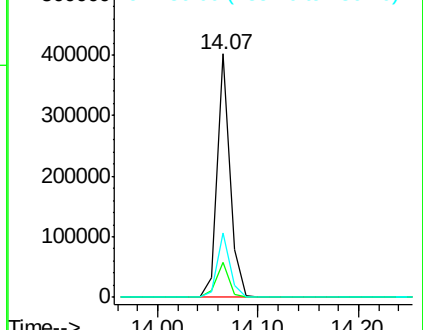
236 26.3 20.9 31.3



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



#76

Benzidine

Concen: 5.26 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.01 min

Lab File: BF092850.D

Acq: 8 Feb 2017 3:39

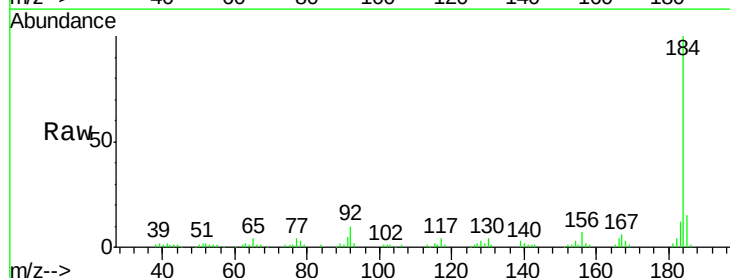
Tgt Ion:184 Resp: 80328

Ion Ratio Lower Upper

184 100

185 14.7 13.4 20.0

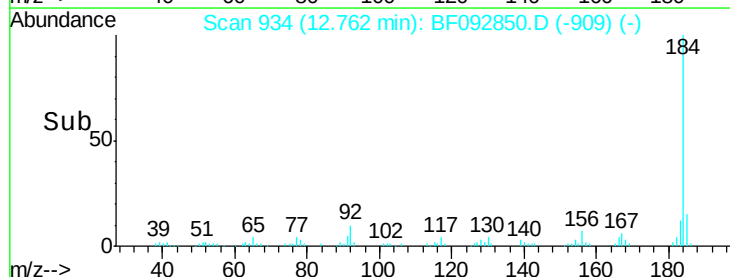
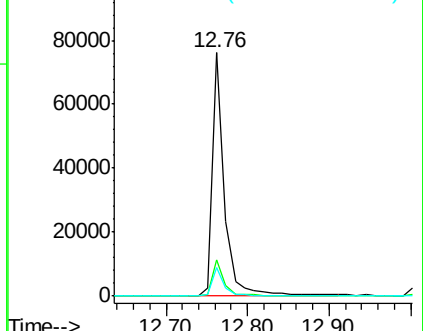
183 11.8 9.2 13.8

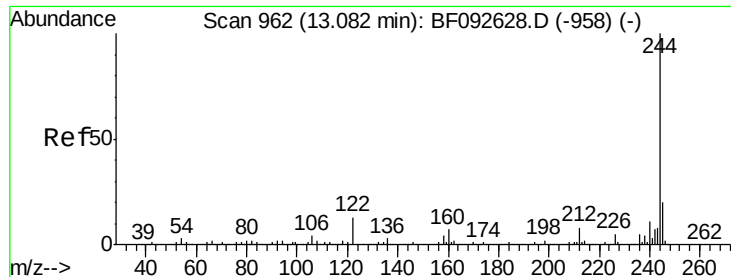


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 68.34 ng

RT: 13.01 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF092850.D

Acq: 8 Feb 2017 3:39

Instrument :

BNA_F

ClientSampleId :

DRUMS-SOIL-ROW-COMP

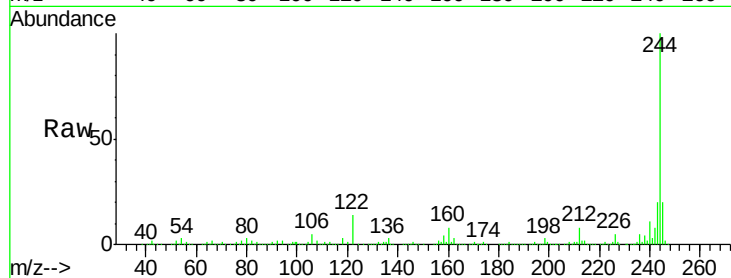
Tgt Ion:244 Resp: 1042476

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

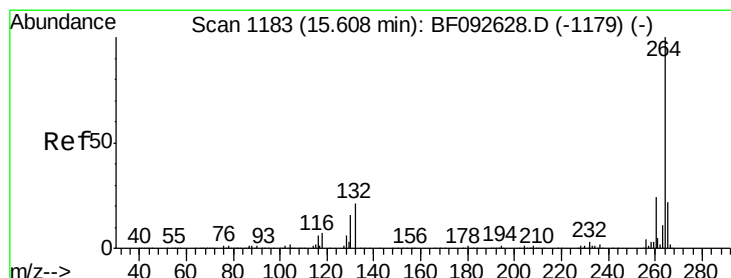
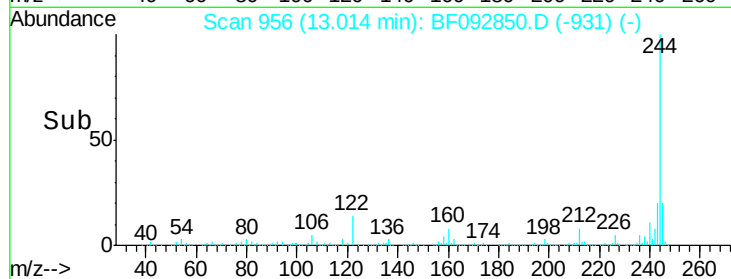
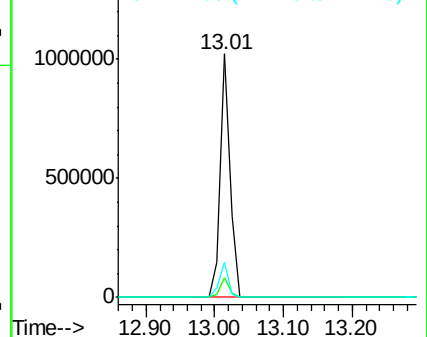
122 14.4 11.4 17.2



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

Perylene-d12

Concen: 20.00 ng

RT: 15.52 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF092850.D

Acq: 8 Feb 2017 3:39

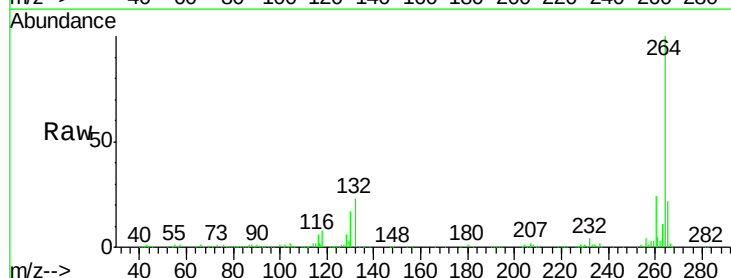
Tgt Ion:264 Resp: 269007

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 22.1 17.4 26.0



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

