

Data File : BF093112.D
Acq On : 23 Feb 2017 18:53
Operator : SJ/MA
Sample : I1952-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPARTA-TOP-SOIL

Quant Time: Feb 23 23:49:26 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	152581	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	584455	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	283115	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	527958	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	464547	20.00	ng	-0.02
86) Perylene-d12	15.43	264	326699	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1007380	113.27	ng	-0.01
7) Phenol-d6	6.48	99	1143415	99.92	ng	-0.01
23) Nitrobenzene-d5	7.41	82	808634	77.05	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	257744	125.87	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1374244	87.94	ng	-0.01
78) Terphenyl-d14	12.95	244	1072764	54.26	ng	-0.02

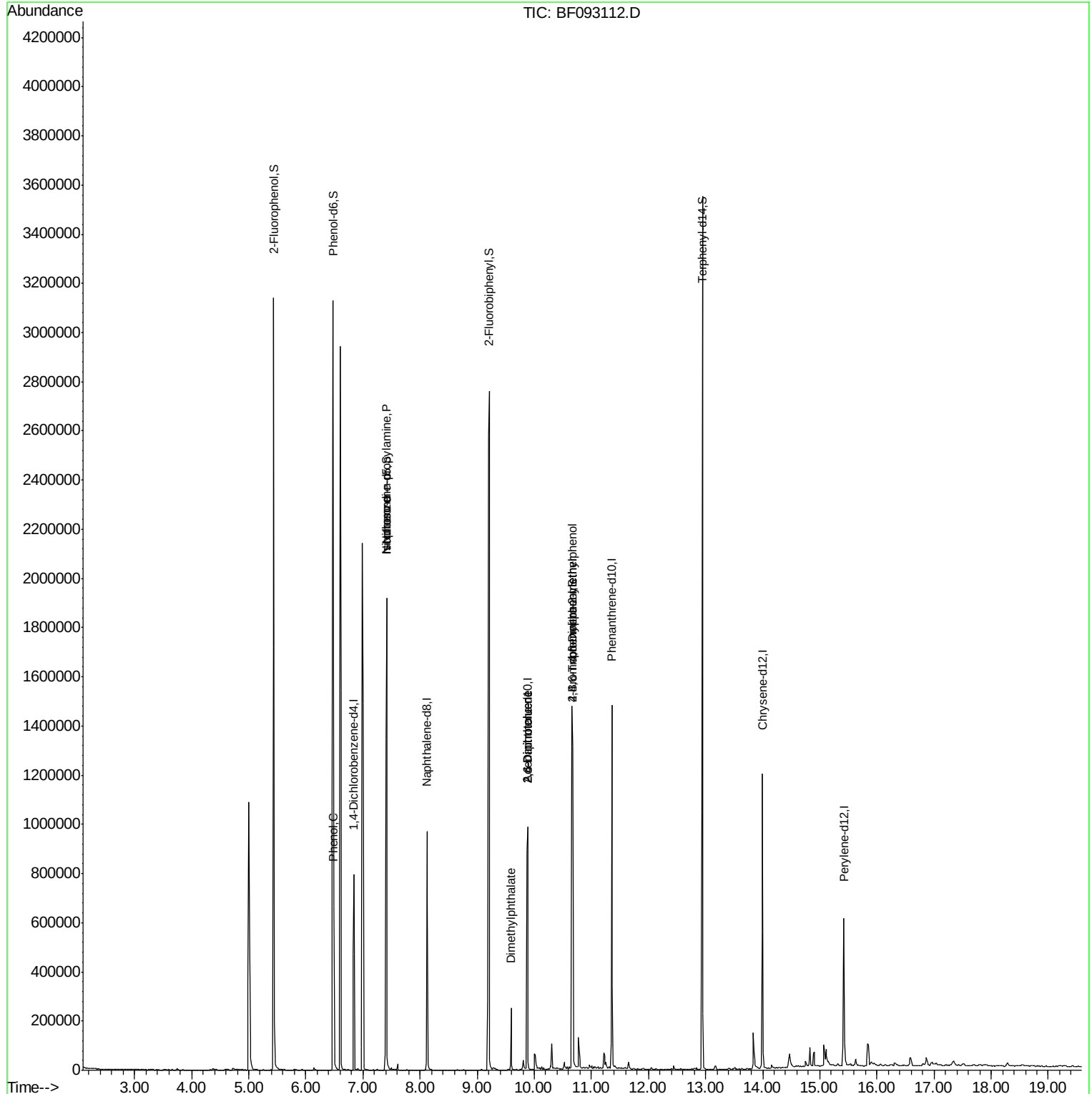
Target Compounds						Qvalue
10) Phenol	6.49	94	74146	5.54	ng	# 76
19) n-Nitroso-di-n-propylamine	7.41	70	105259	14.45	ng	# 76
25) Isophorone	7.41	82	788647	40.33	ng	# 65
49) Dimethylphthalate	9.60	163	95295	5.00	ng	100
50) 2,6-Dinitrotoluene	9.88	165	35748	8.68	ng	# 31
56) 2,4-Dinitrotoluene	9.88	165	35748	6.52	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.66	198	562	2.83	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	17720	3.21	ng	# 1

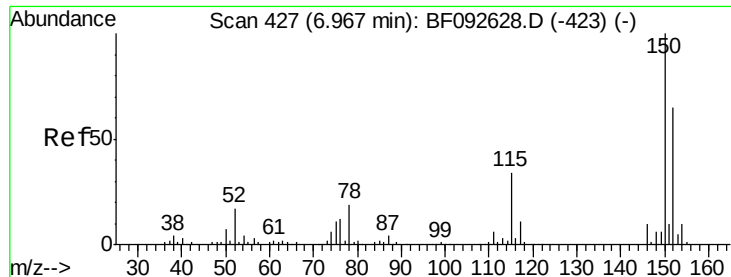
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 10 Sample Multiplier: 1

SPARTA-TOP-SOIL

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

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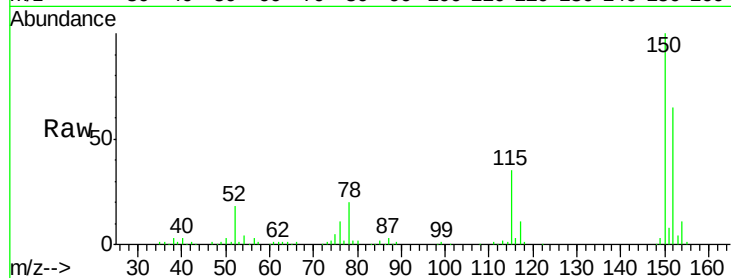
Tgt Ion:152 Resp: 152581

Ion Ratio Lower Upper

152 100

150 153.4 124.9 187.3

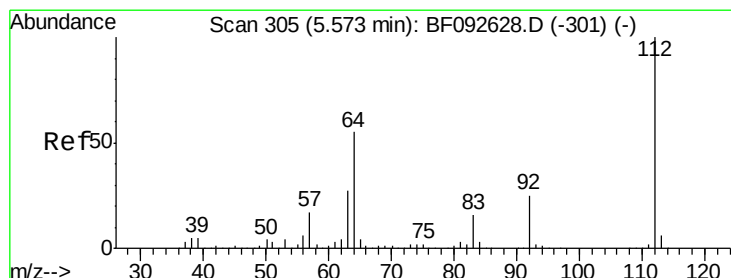
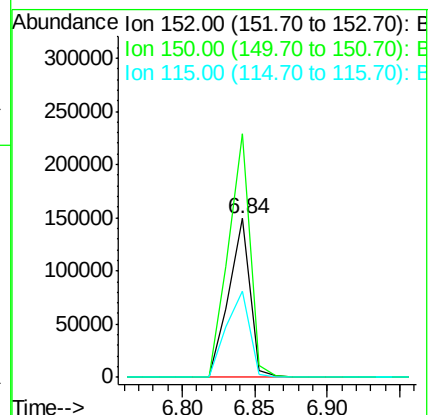
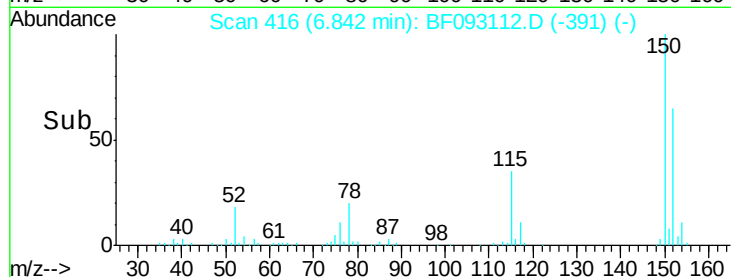
115 54.1 46.0 69.0



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: 113.27 ng

RT: 5.44 min Scan# 293

Delta R.T. -0.01 min

Lab File: BF093112.D

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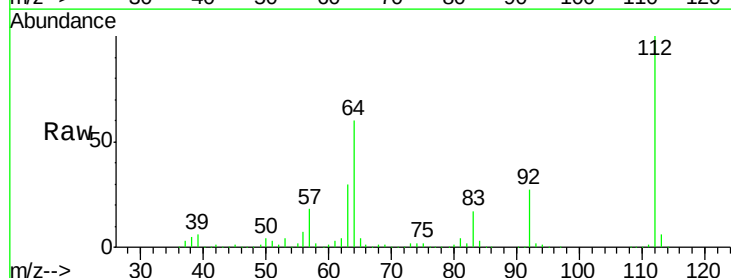
Tgt Ion:112 Resp: 1007380

Ion Ratio Lower Upper

112 100

64 59.8 46.1 69.1

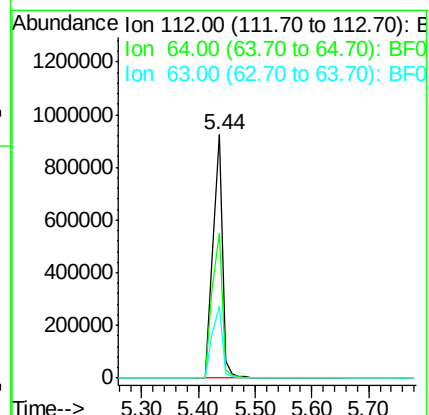
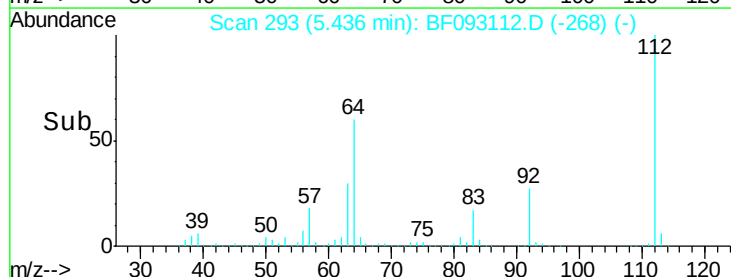
63 29.8 23.8 35.6

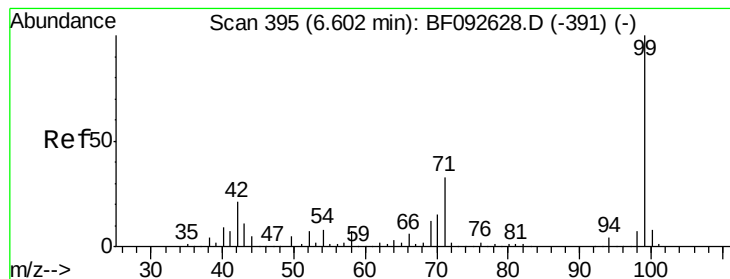


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 99.92 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093112.D

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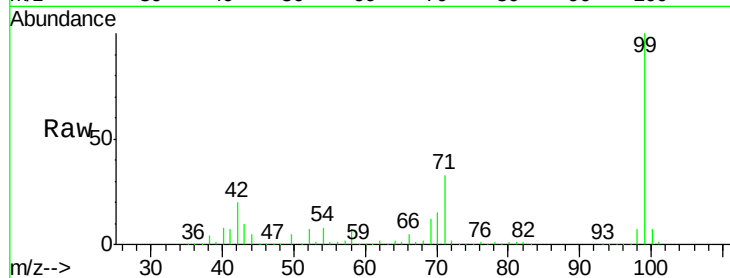
Tgt Ion: 99 Resp: 1143415

Ion Ratio Lower Upper

99 100

42 19.7 15.6 23.4

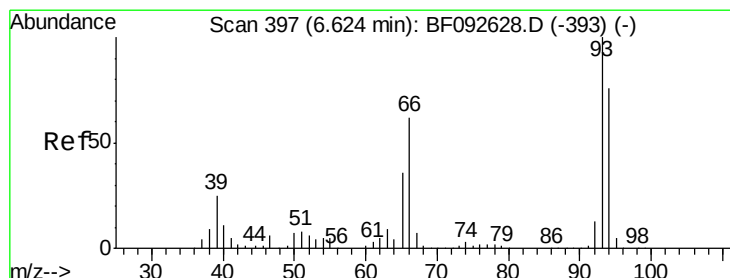
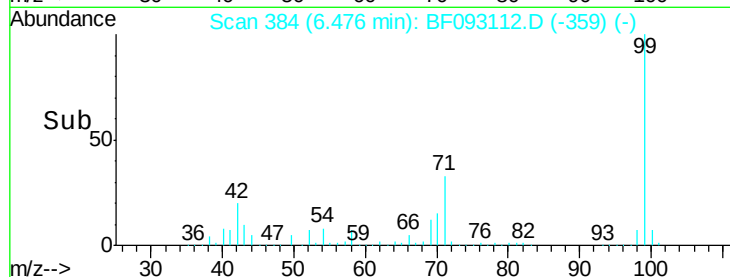
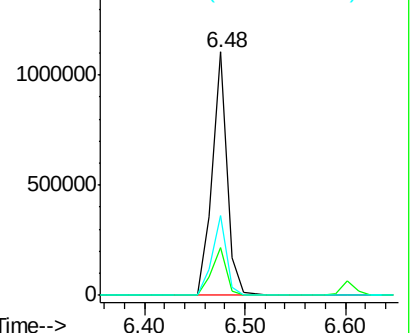
71 32.6 27.5 41.3



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



#10

Phenol

Concen: 5.54 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093112.D

Acq: 23 Feb 2017 18:53

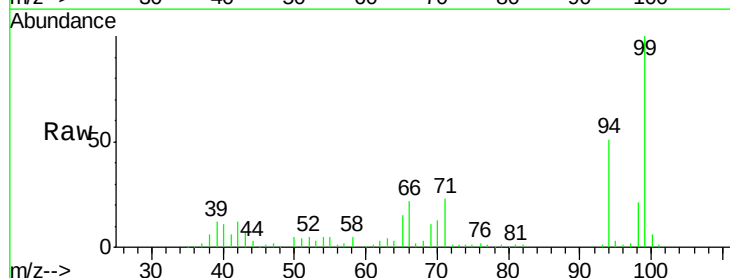
Tgt Ion: 94 Resp: 74146

Ion Ratio Lower Upper

94 100

65 29.0 21.4 61.4

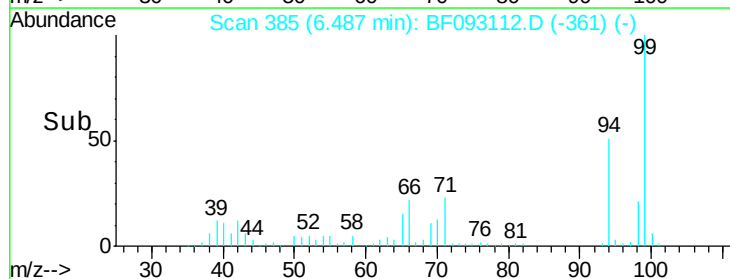
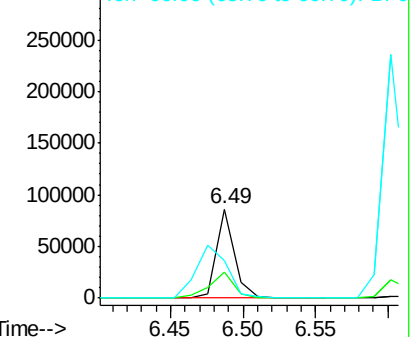
66 42.7 44.0 84.0#

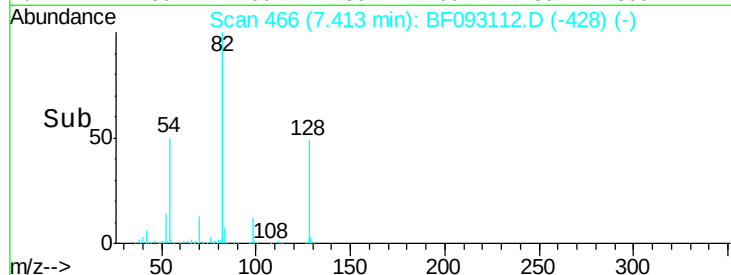
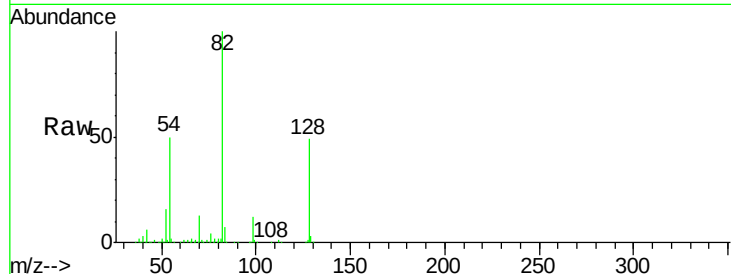
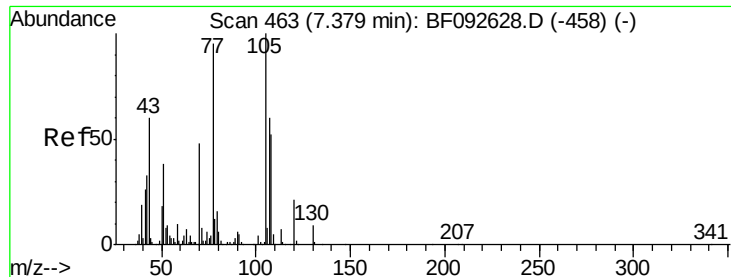


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

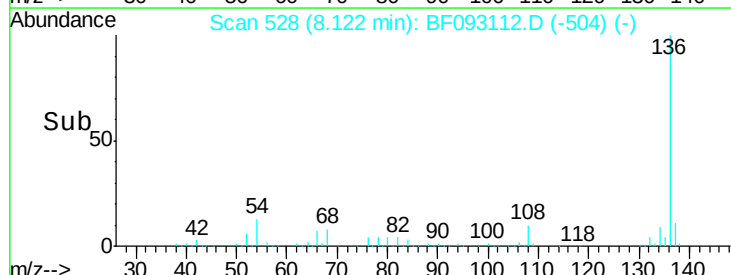
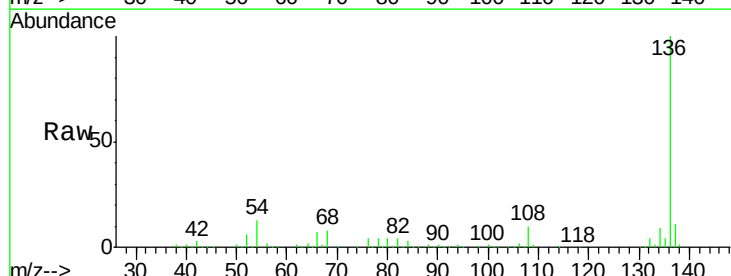
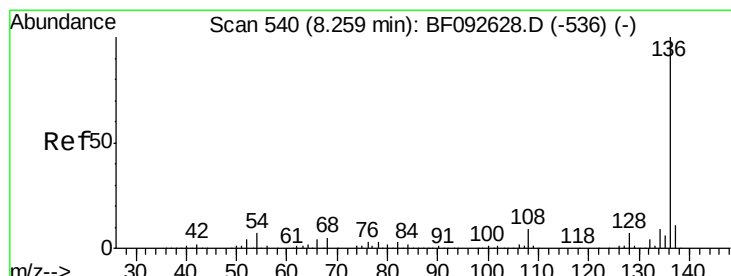
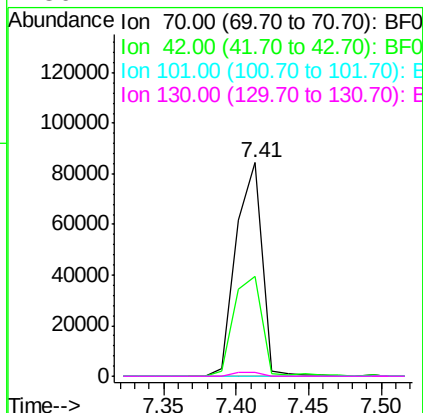




#19
n-Nitroso-di-n-propylamine
Concen: 14.45 ng
RT: 7.41 min Scan# 466
Delta R.T. 0.14 min
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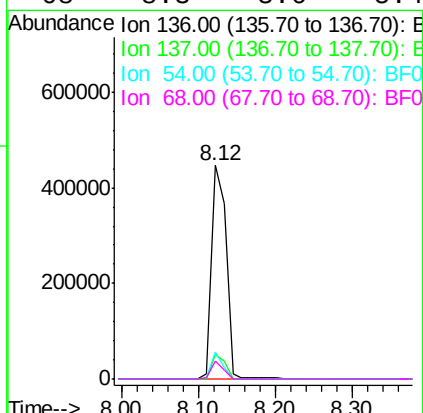
Instrument :
BNA_F
ClientSampleId :
SPARTA-TOP-SOIL

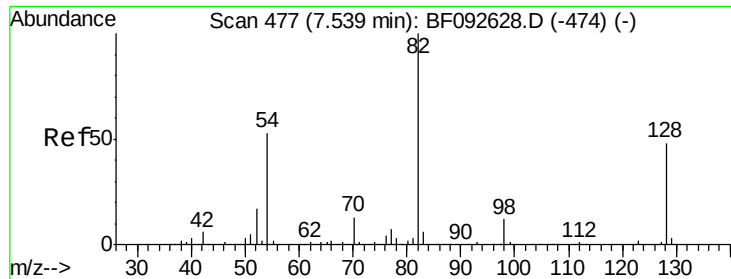
Tgt Ion: 70 Resp: 105259
Ion Ratio Lower Upper
70 100
42 46.5 49.4 74.0#
101 0.0 7.4 11.2#
130 2.1 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093112.D
Acq: 23 Feb 2017 18:53

Tgt Ion: 136 Resp: 584455
Ion Ratio Lower Upper
136 100
137 11.5 8.4 12.6
54 12.5 4.5 6.7#
68 8.3 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 77.05 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.01 min

Lab File: BF093112.D

Acq: 23 Feb 2017 18:53

Instrument :

BNA_F

ClientSampleId :

SPARTA-TOP-SOIL

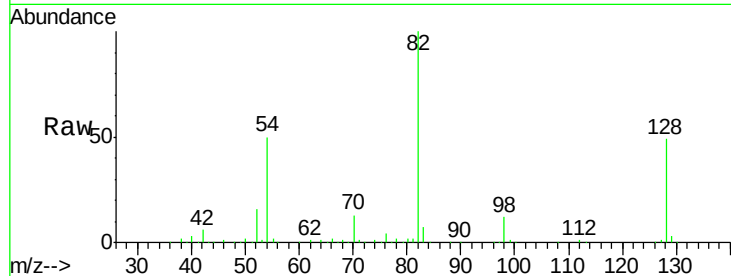
Tgt Ion: 82 Resp: 808634

Ion Ratio Lower Upper

82 100

128 48.7 34.6 52.0

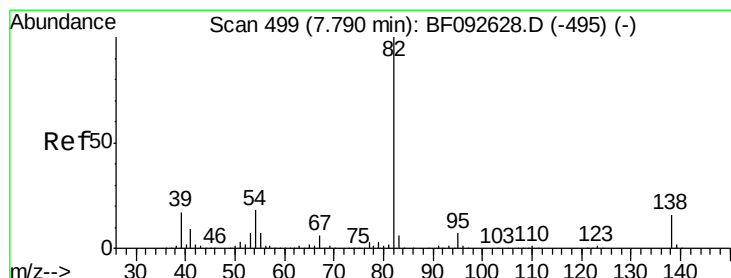
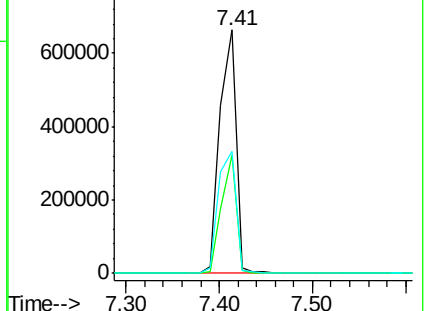
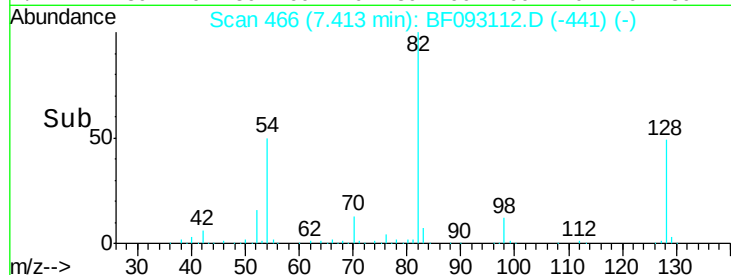
54 50.3 39.5 59.3



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: 40.33 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.27 min

Lab File: BF093112.D

Acq: 23 Feb 2017 18:53

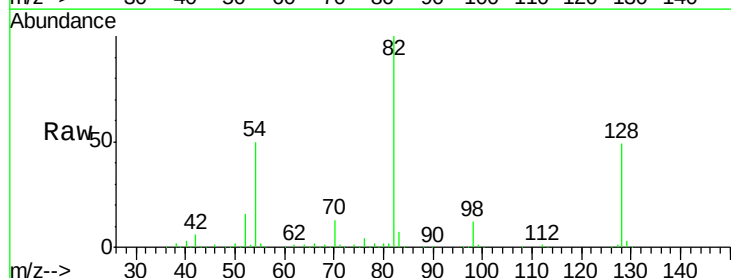
Tgt Ion: 82 Resp: 788647

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

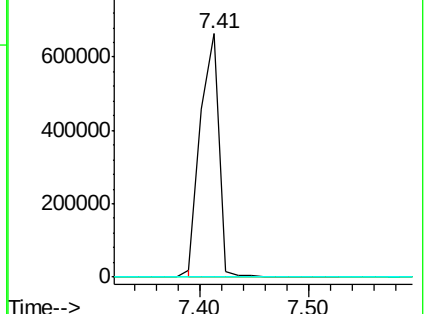
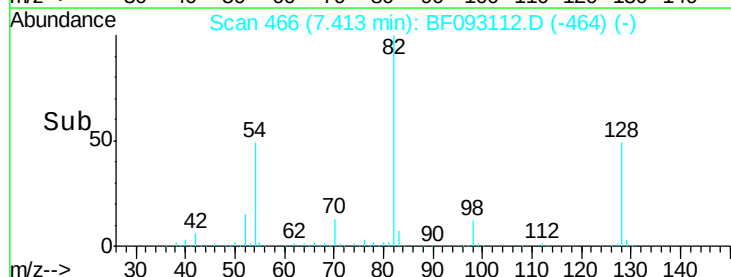
138 0.0 14.6 22.0#

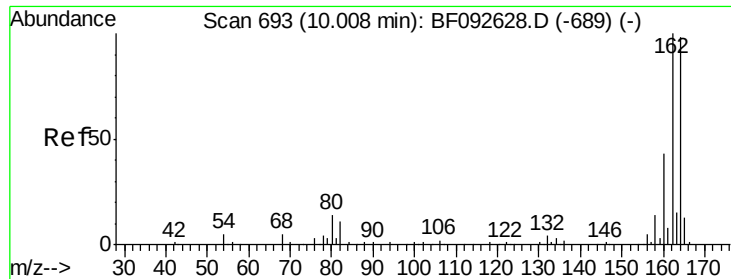


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

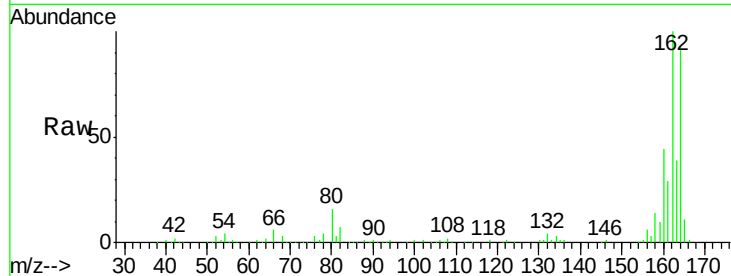




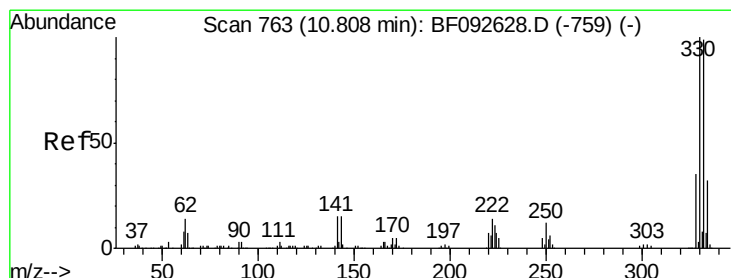
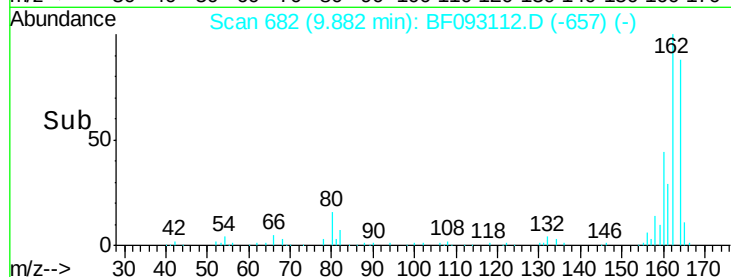
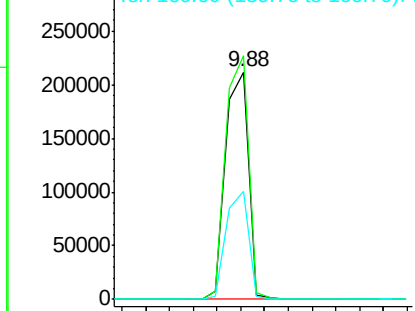
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF093112.D
 Acq: 23 Feb 2017 18:53

Instrument :
 BNA_F
 ClientSampleId :
 SPARTA-TOP-SOIL

Tgt Ion:164 Resp: 283115
 Ion Ratio Lower Upper
 164 100
 162 107.1 80.2 120.2
 160 47.5 36.9 55.3

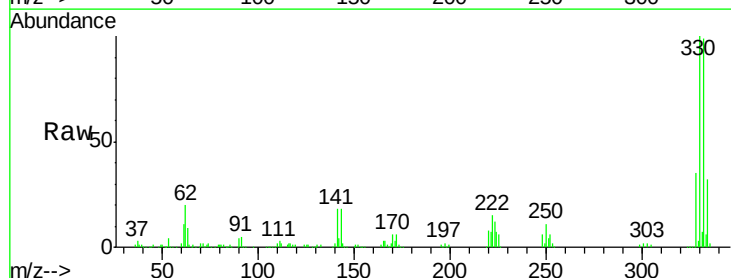


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

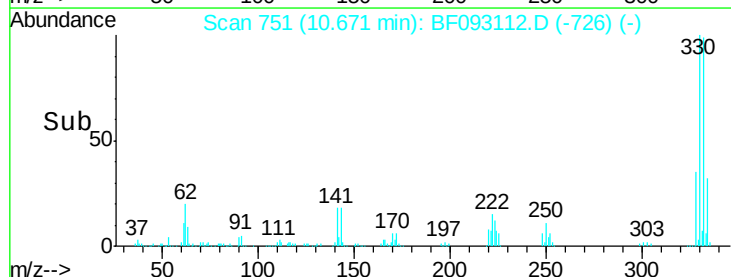
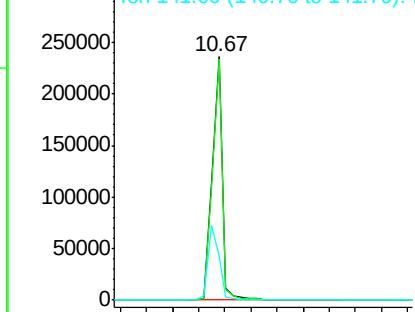


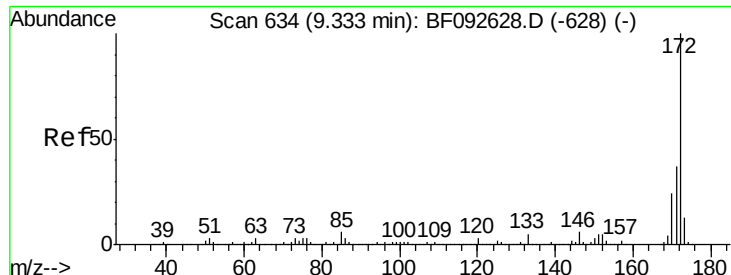
#41
 2,4,6-Tribromophenol
 Concen: 125.87 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093112.D
 Acq: 23 Feb 2017 18:53

Tgt Ion:330 Resp: 257744
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.4 116.2
 141 33.7 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

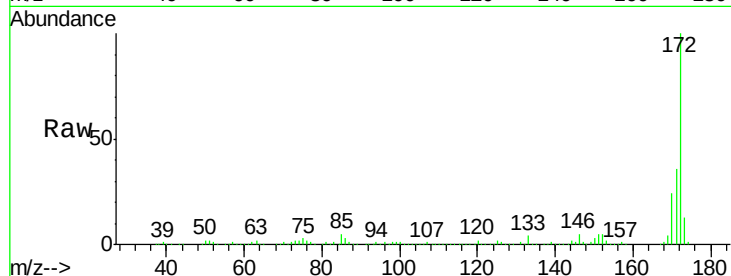




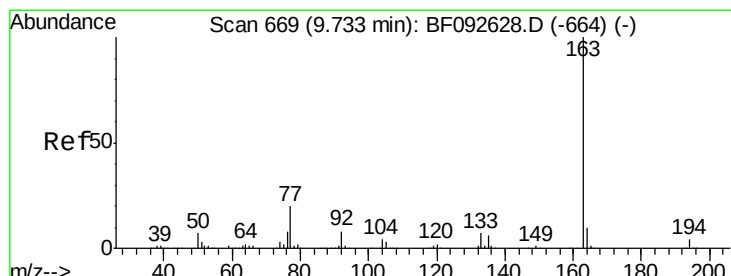
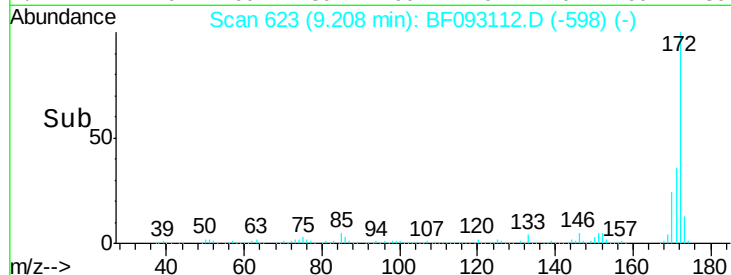
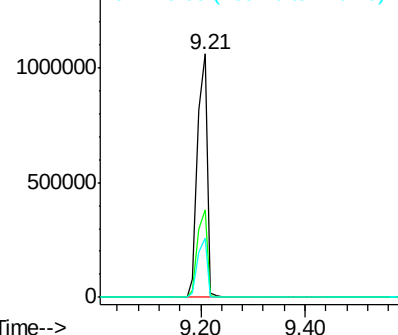
#44
2-Fluorobiphenyl
Concen: 87.94 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.01 min
Lab File: BF093112.D
Acq: 23 Feb 2017 18:53

Instrument :
BNA_F
ClientSampleId :
SPARTA-TOP-SOIL

Tgt Ion:172 Resp: 1374244
Ion Ratio Lower Upper
172 100
171 36.1 29.4 44.0
170 24.2 20.2 30.4

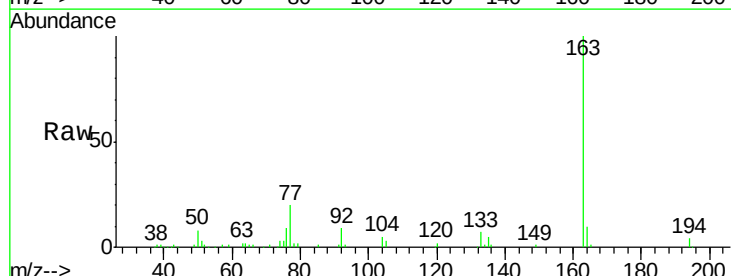


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

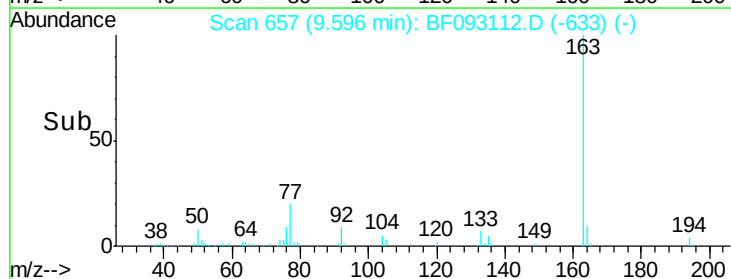
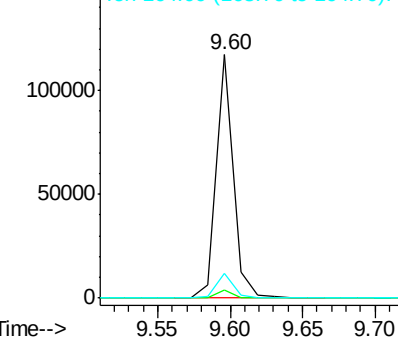


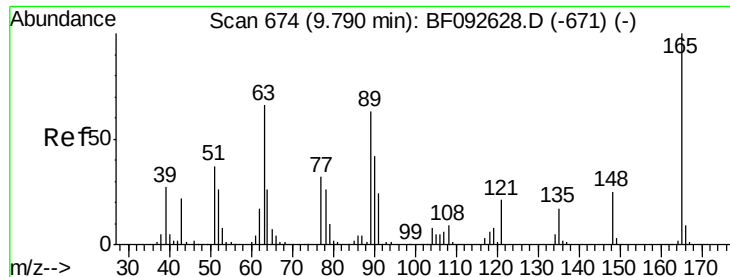
#49
Dimethylphthalate
Concen: 5.00 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF093112.D
Acq: 23 Feb 2017 18:53

Tgt Ion:163 Resp: 95295
Ion Ratio Lower Upper
163 100
194 3.6 3.0 4.4
164 9.9 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

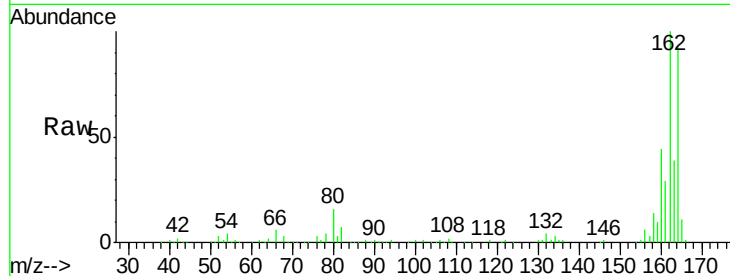




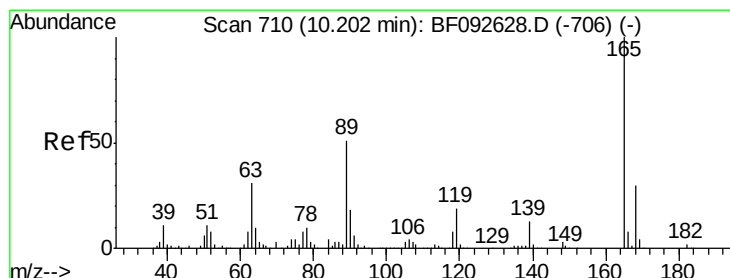
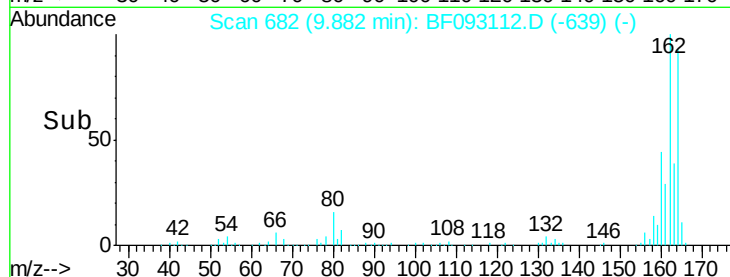
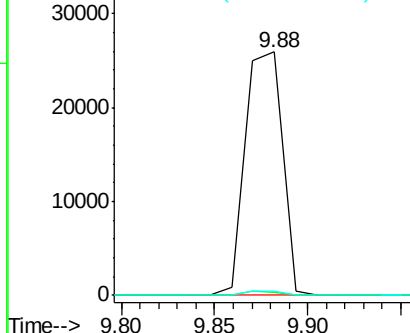
#50
 2,6-Dinitrotoluene
 Concen: 8.68 ng
 RT: 9.88 min Scan# 682
 Delta R.T. 0.19 min
 Lab File: BF093112.D
 Acq: 23 Feb 2017 18:53

Instrument :
 BNA_F
 ClientSampleId :
 SPARTA-TOP-SOIL

Tgt Ion:165 Resp: 35748
 Ion Ratio Lower Upper
 165 100
 63 1.2 36.2 54.4#
 89 1.7 40.2 60.4#

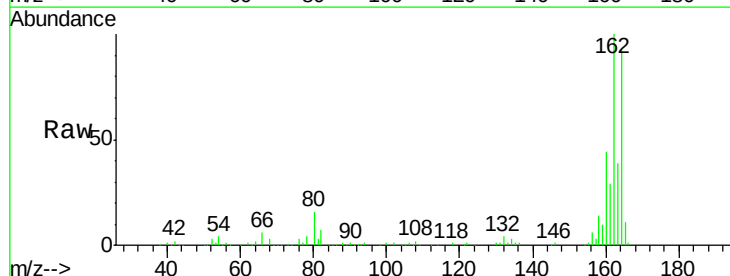


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

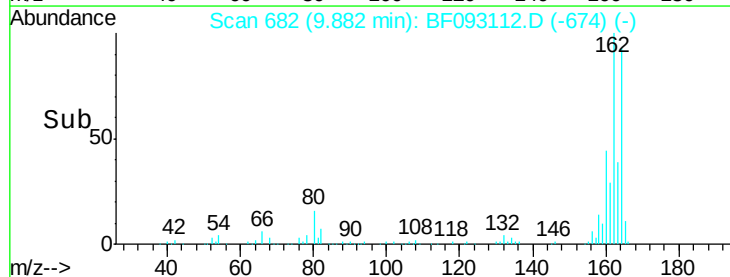
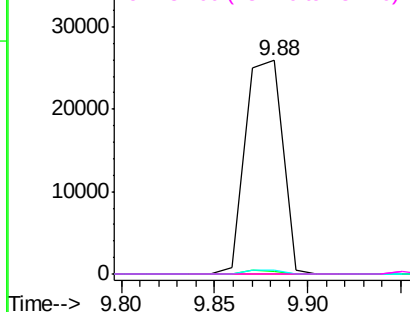


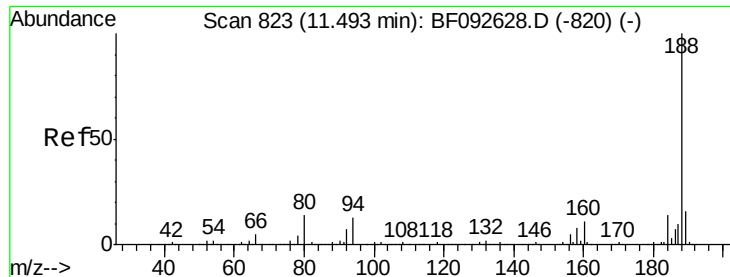
#56
 2,4-Dinitrotoluene
 Concen: 6.52 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.21 min
 Lab File: BF093112.D
 Acq: 23 Feb 2017 18:53

Tgt Ion:165 Resp: 35748
 Ion Ratio Lower Upper
 165 100
 63 1.2 40.2 60.4#
 89 1.7 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

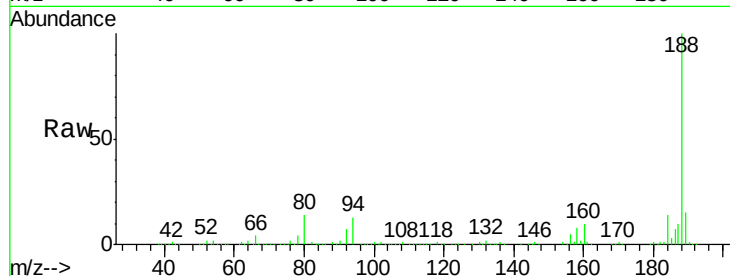




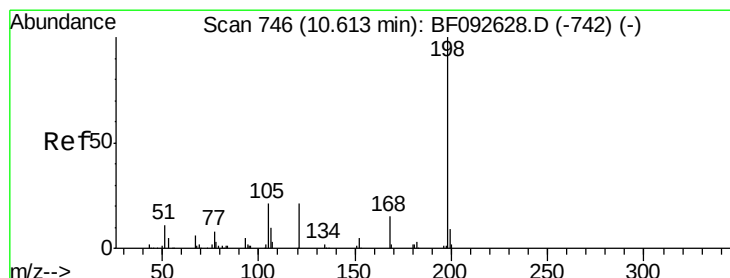
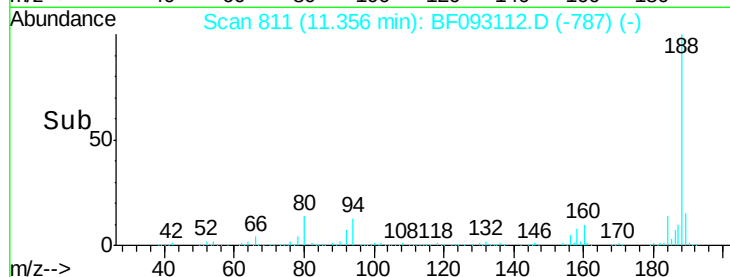
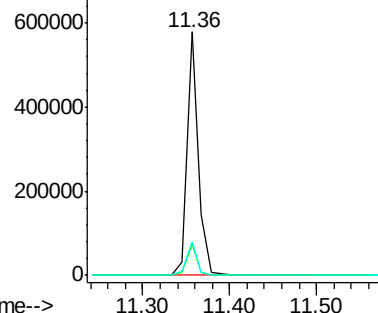
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: BF093112.D
 Acq: 23 Feb 2017 18:53

Instrument :
 BNA_F
 ClientSampleId :
 SPARTA-TOP-SOIL

Tgt Ion:188 Resp: 527958
 Ion Ratio Lower Upper
 188 100
 94 12.8 10.0 15.0
 80 13.7 11.2 16.8

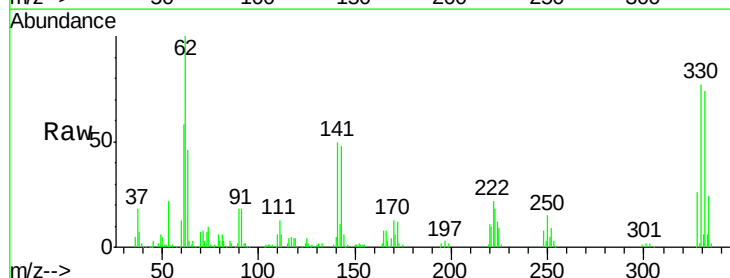


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

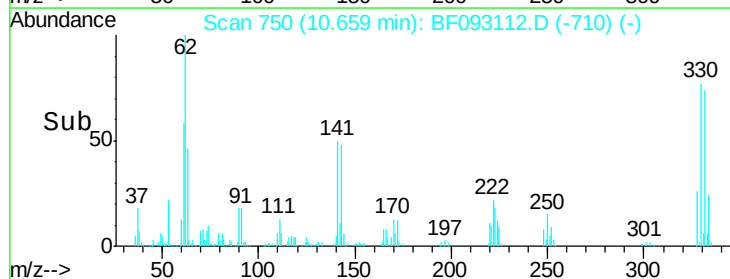
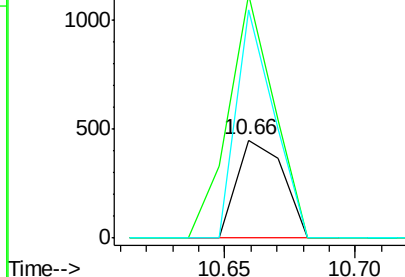


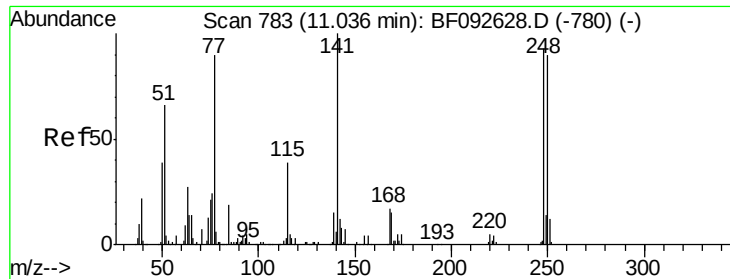
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.83 ng
 RT: 10.66 min Scan# 750
 Delta R.T. 0.16 min
 Lab File: BF093112.D
 Acq: 23 Feb 2017 18:53

Tgt Ion:198 Resp: 562
 Ion Ratio Lower Upper
 198 100
 51 248.3 6.7 46.7#
 105 232.2 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

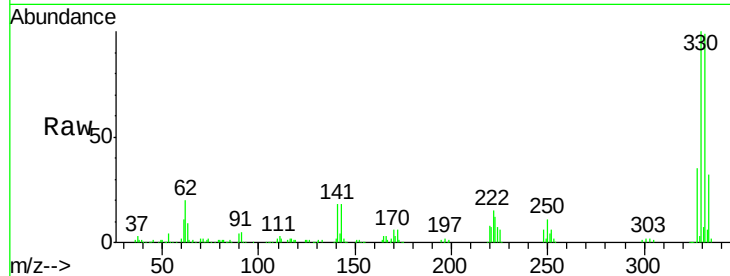




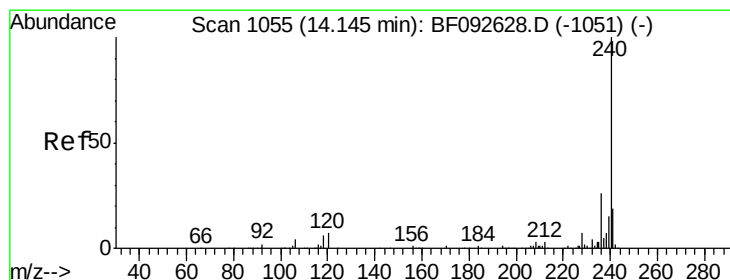
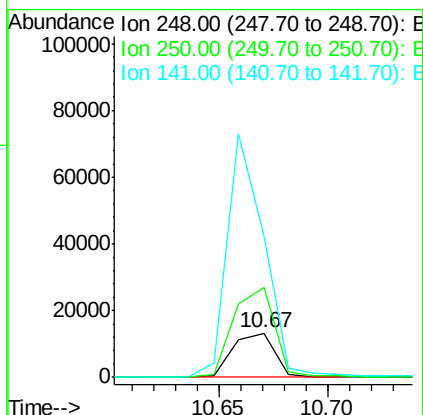
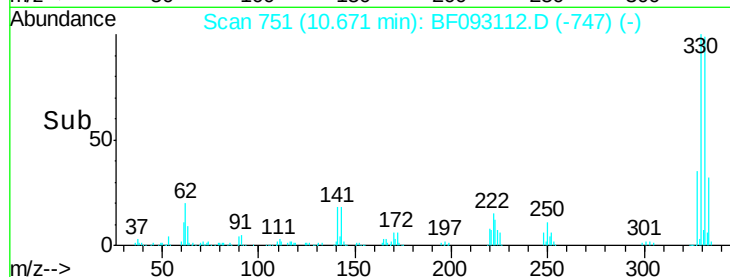
#66
4-Bromophenyl-phenylether
Concen: 3.21 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.25 min
Lab File: BF093112.D
Acq: 23 Feb 2017 18:53

Instrument :
BNA_F
ClientSampleId :
SPARTA-TOP-SOIL

Tgt Ion:248 Resp: 17720
Ion Ratio Lower Upper
248 100
250 203.2 76.9 115.3#
141 318.3 68.2 102.4#

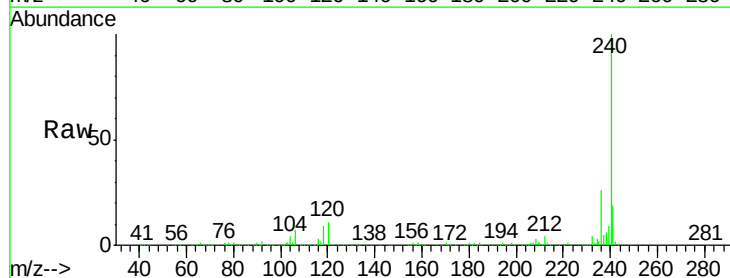


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

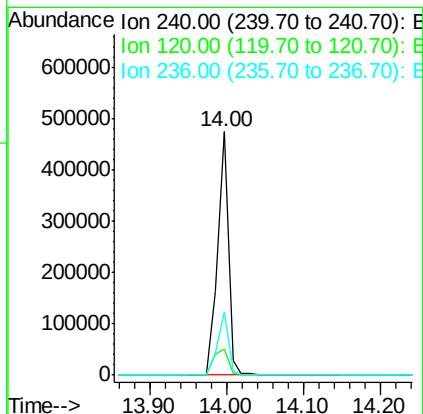
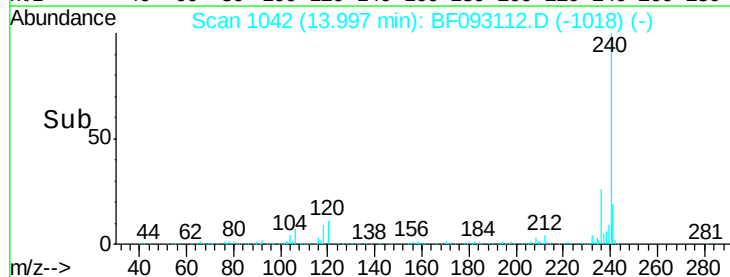


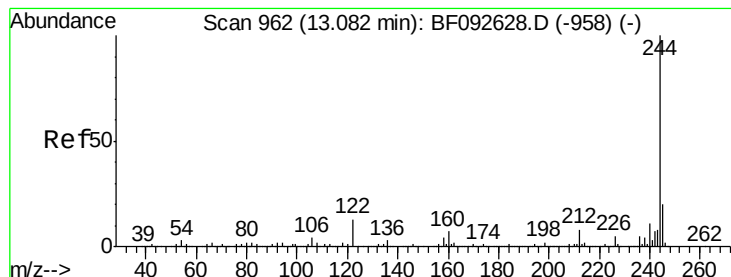
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.02 min
Lab File: BF093112.D
Acq: 23 Feb 2017 18:53

Tgt Ion:240 Resp: 464547
Ion Ratio Lower Upper
240 100
120 10.7 12.9 19.3#
236 26.0 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: 54.26 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093112.D

Acq: 23 Feb 2017 18:53

Instrument :

BNA_F

ClientSampleId :

SPARTA-TOP-SOIL

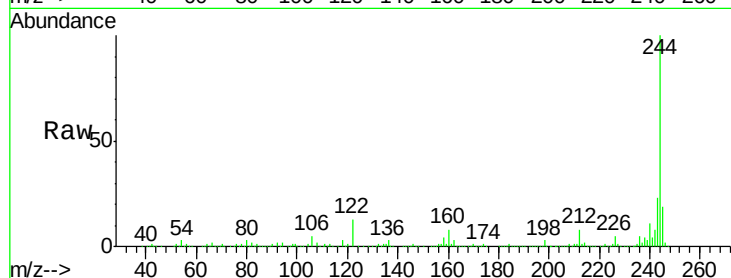
Tgt Ion:244 Resp: 1072764

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

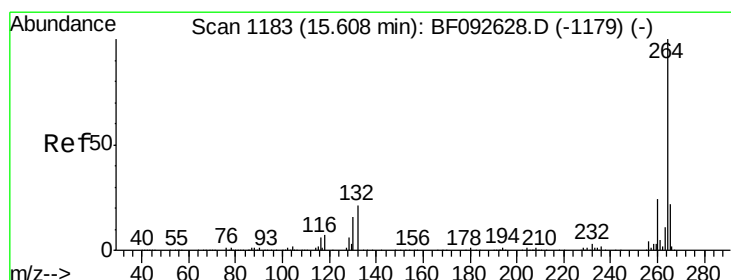
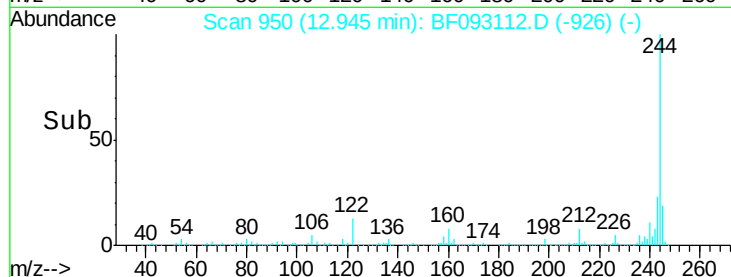
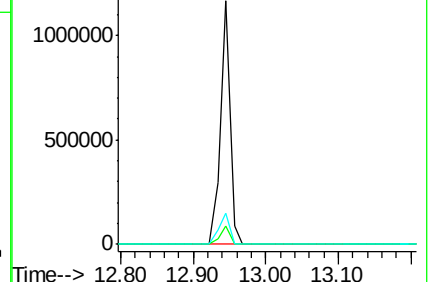
122 12.8 11.4 17.2



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: 15.43 min Scan# 1167

Delta R.T. -0.02 min

Lab File: BF093112.D

Acq: 23 Feb 2017 18:53

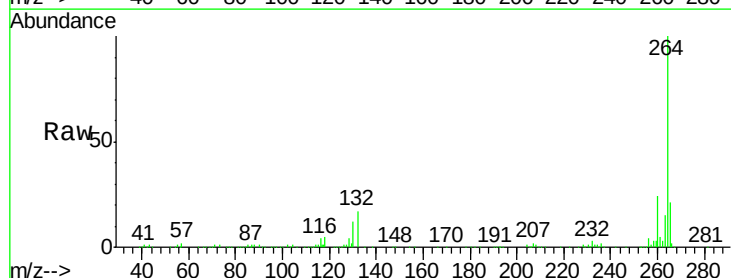
Tgt Ion:264 Resp: 326699

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 20.7 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

