

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012916\
 Data File : BF084664.D
 Acq On : 30 Jan 2016 4:41
 Operator : SJ/IZ
 Sample : H1260-01
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-012

Quant Time: Jan 30 05:43:24 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 29 12:54:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	180981	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	729955	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	344520	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	659415	20.00	ng	0.00
75) Chrysene-d12	13.87	240	622992	20.00	ng	0.00
86) Perylene-d12	15.25	264	231394	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	1385777	115.58	ng	0.02
7) Phenol-d6	6.37	99	1456748	101.37	ng	0.00
23) Nitrobenzene-d5	7.29	82	1126395	86.24	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	516353	143.00	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	2182537	94.16	ng	0.00
78) Terphenyl-d14	12.83	244	2018482	73.18	ng	0.00

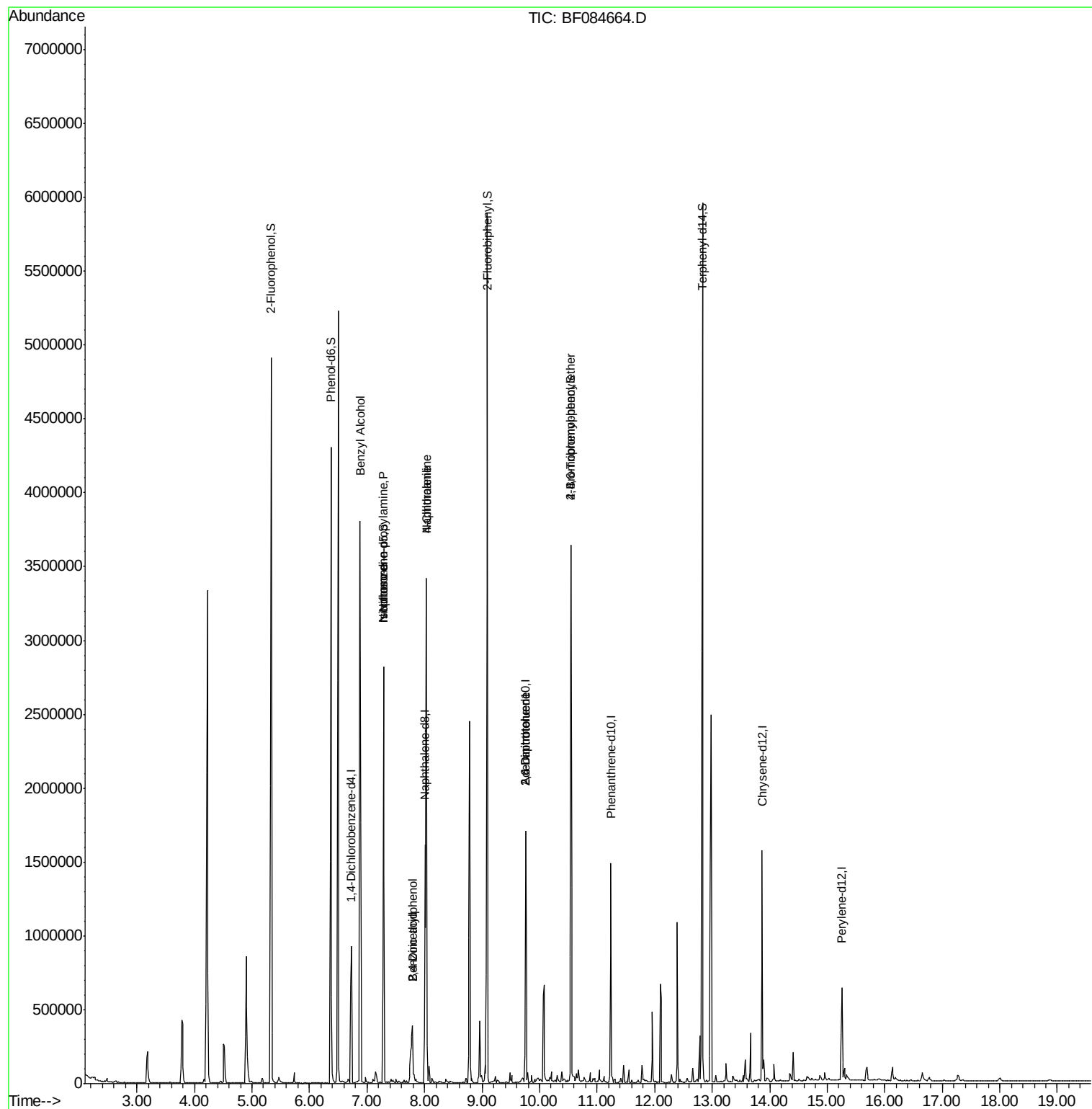
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.88	79	21086	2.16	ng	# 51
19) n-Nitroso-di-n-propylamine	7.29	70	151875	17.30	ng	# 69
25) Isophorone	7.29	82	978455	39.98	ng	# 66
27) 2,4-Dimethylphenol	7.79	122	172084	14.88	ng	# 3
31) Naphthalene	8.03	128	1450995	39.38	ng	99
32) Benzoic acid	7.79	122	172483	19.42	ng	100
33) 4-Chloroaniline	8.03	127	200502	13.38	ng	# 33
50) 2,6-Dinitrotoluene	9.76	165	44225	7.77	ng	# 37
56) 2,4-Dinitrotoluene	9.76	165	44225	5.98	ng	# 21
66) 4-Bromophenyl-phenylether	10.54	248	31009	4.18	ng	# 1

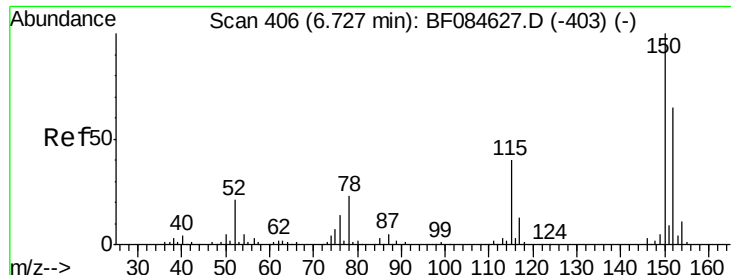
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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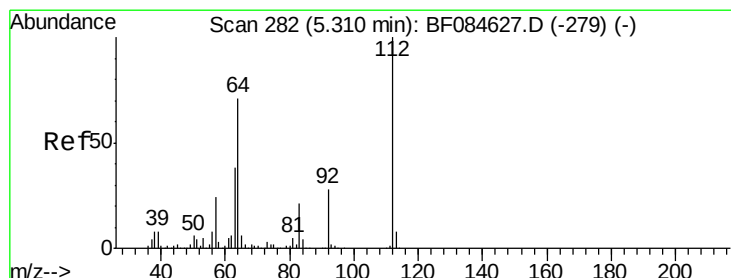
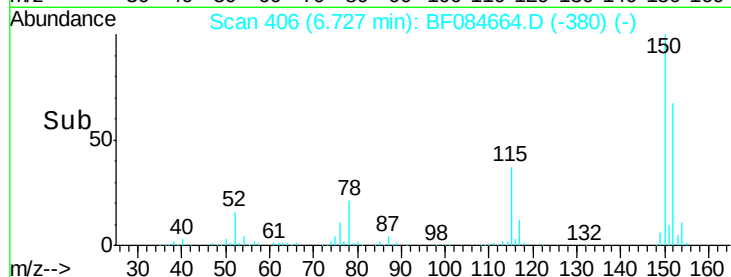
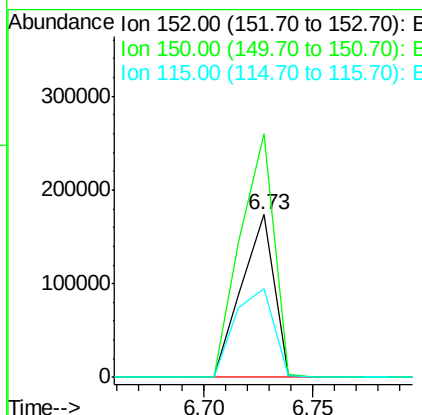
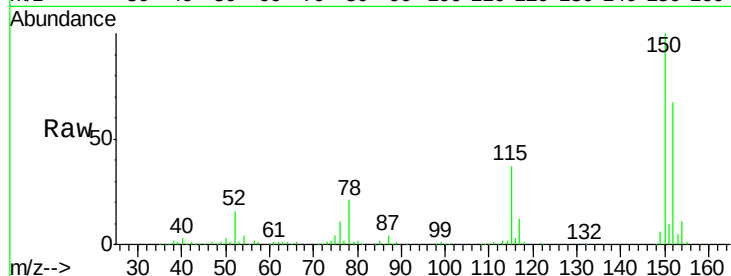




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.73 min Scan# 406
 Delta R.T. -0.00 min
 Lab File: BF084664.D
 Acq: 30 Jan 2016 4:41

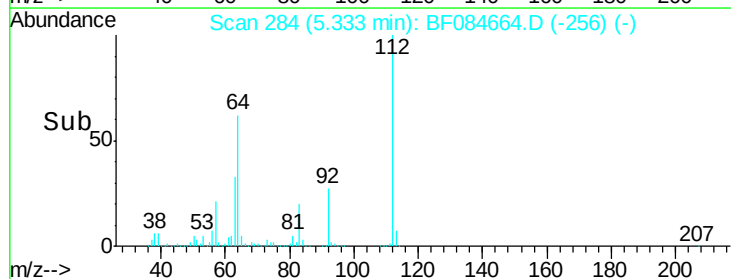
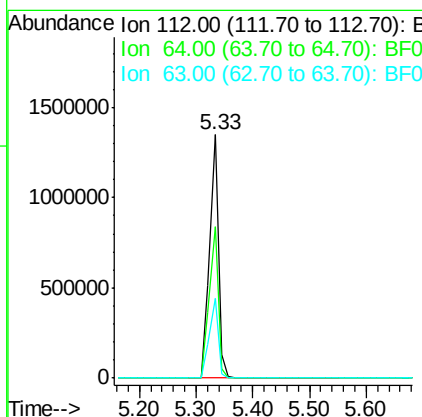
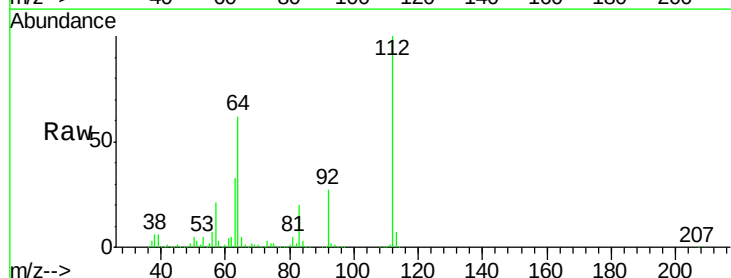
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-012

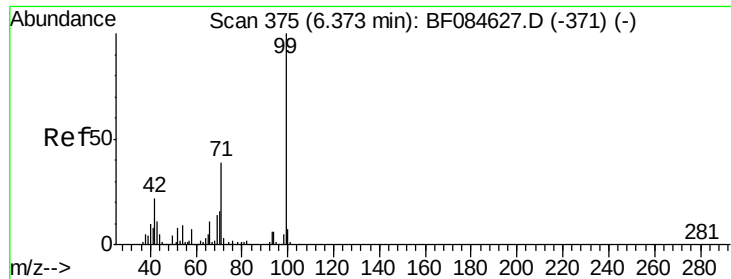
Tgt Ion:152 Resp: 180981
 Ion Ratio Lower Upper
 152 100
 150 149.5 123.0 184.4
 115 54.7 51.4 77.2



#5
 2-Fluorophenol
 Concen: 115.58 ng
 RT: 5.33 min Scan# 284
 Delta R.T. 0.02 min
 Lab File: BF084664.D
 Acq: 30 Jan 2016 4:41

Tgt Ion:112 Resp: 1385777
 Ion Ratio Lower Upper
 112 100
 64 62.0 36.6 55.0#
 63 33.0 19.4 29.0#





#7

Phenol-d6

Concen: 101.37 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF084664.D

Acq: 30 Jan 2016 4:41

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-012

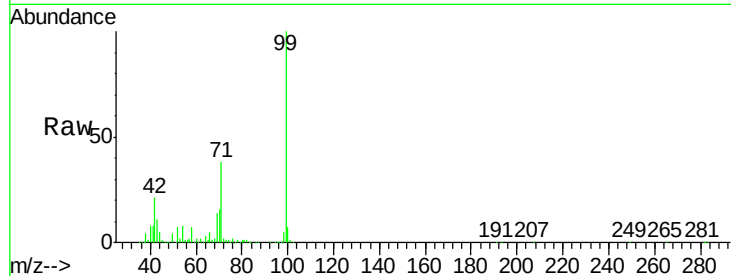
Tgt Ion: 99 Resp: 1456748

Ion Ratio Lower Upper

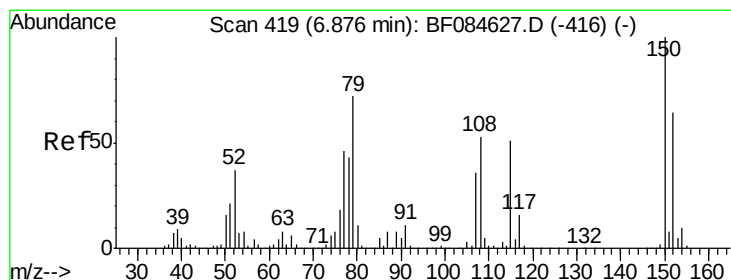
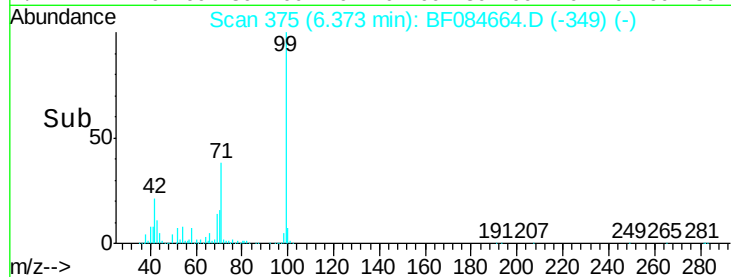
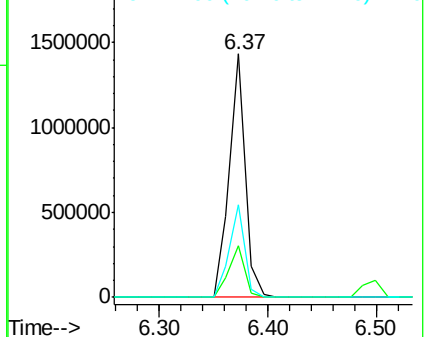
99 100

42 21.0 12.8 19.2#

71 38.2 30.9 46.3



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



#15

Benzyl Alcohol

Concen: 2.16 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.00 min

Lab File: BF084664.D

Acq: 30 Jan 2016 4:41

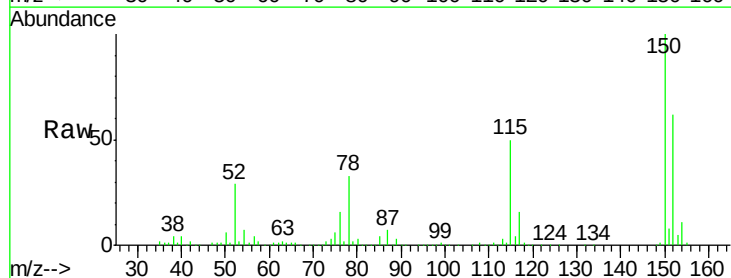
Tgt Ion: 79 Resp: 21086

Ion Ratio Lower Upper

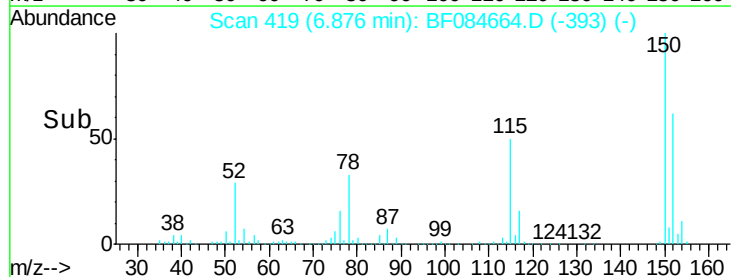
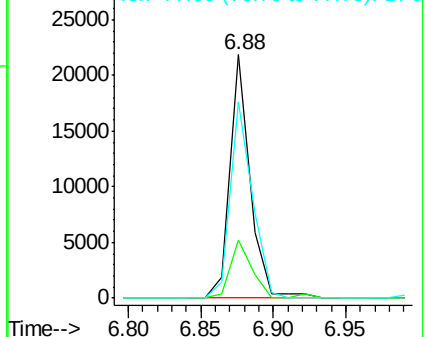
79 100

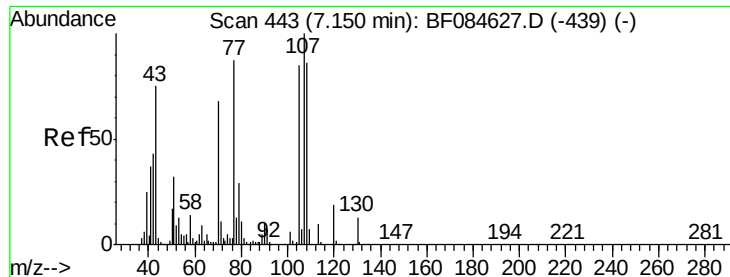
108 24.0 69.0 103.4#

77 80.8 50.0 75.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0

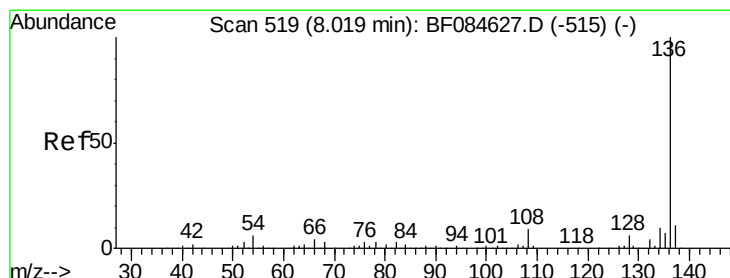
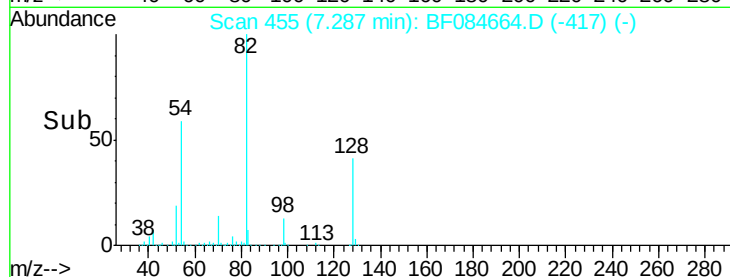
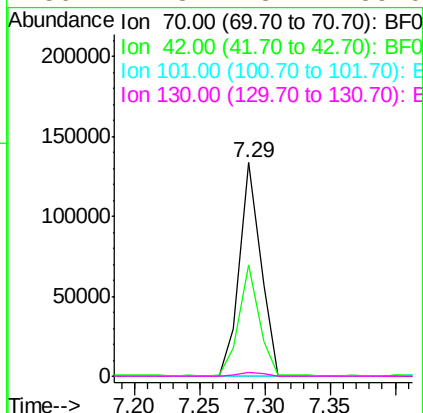
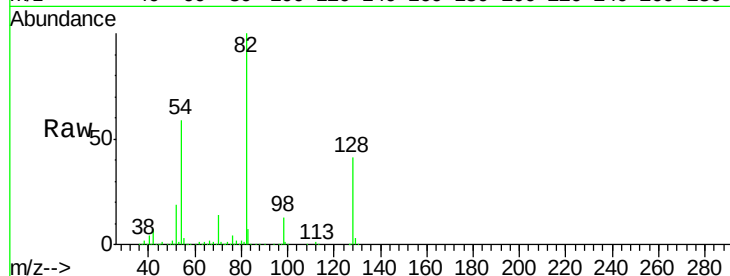




#19
n-Nitroso-di-n-propylamine
Concen: 17.30 ng
RT: 7.29 min Scan# 455
Delta R.T. 0.14 min
Lab File: BF084664.D
Acq: 30 Jan 2016 4:41

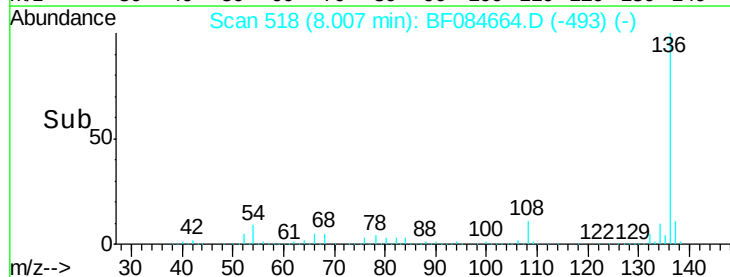
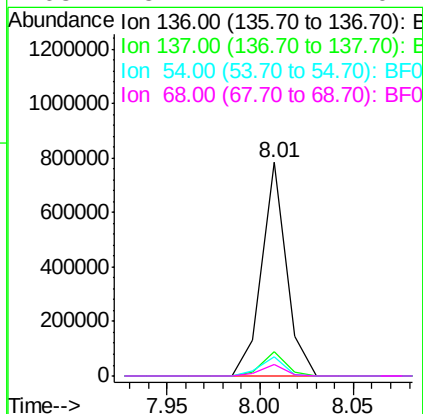
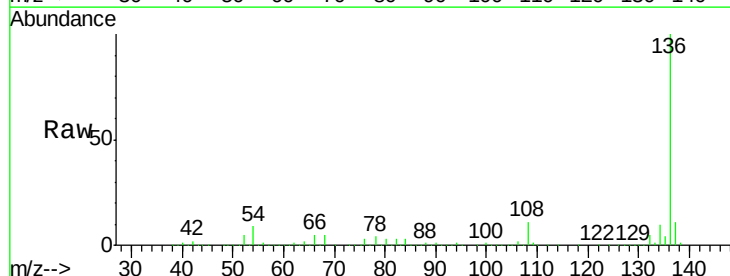
Instrument :
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ClientSampleId :
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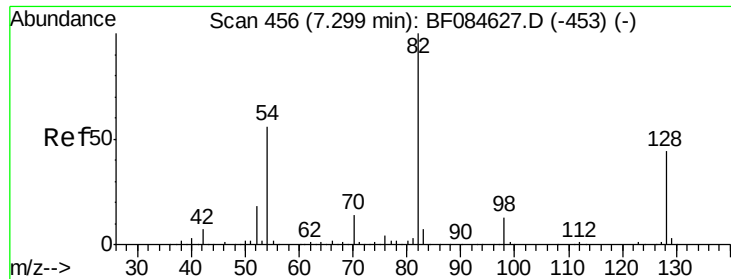
Tgt Ion: 70 Resp: 151875
Ion Ratio Lower Upper
70 100
42 52.2 33.3 49.9#
101 0.0 9.3 13.9#
130 1.8 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF084664.D
Acq: 30 Jan 2016 4:41

Tgt Ion: 136 Resp: 729955
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 9.2 5.8 8.8#
68 5.2 4.2 6.2





#23

Nitrobenzene-d5

Concen: 86.24 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.01 min

Lab File: BF084664.D

Acq: 30 Jan 2016 4:41

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-012

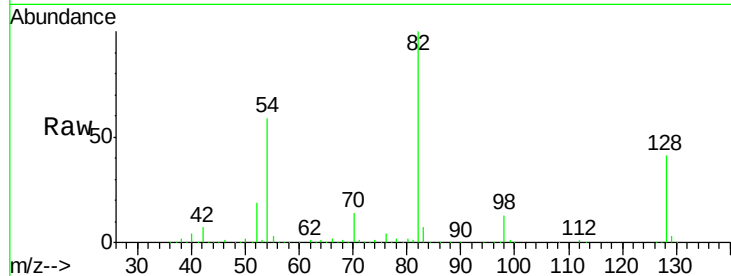
Tgt Ion: 82 Resp: 1126395

Ion Ratio Lower Upper

82 100

128 41.2 34.6 51.8

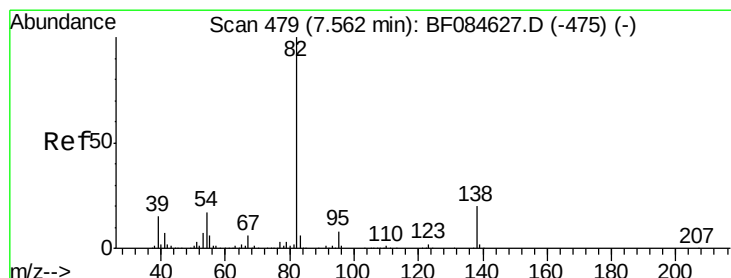
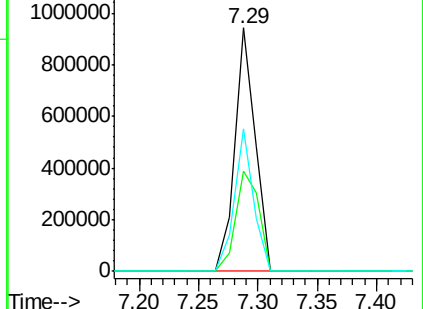
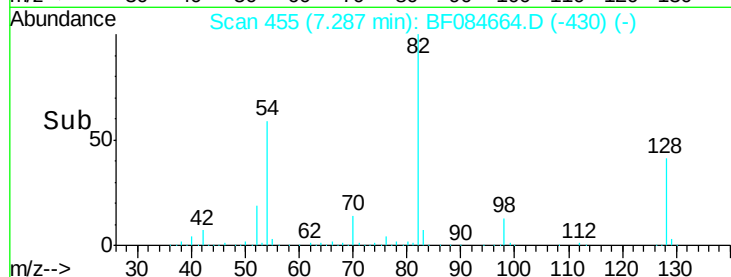
54 58.5 38.4 57.6#



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: 39.98 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.27 min

Lab File: BF084664.D

Acq: 30 Jan 2016 4:41

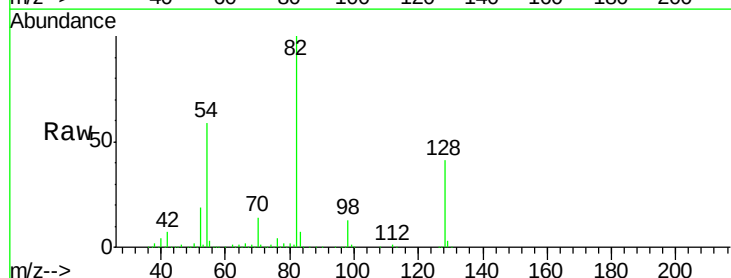
Tgt Ion: 82 Resp: 978455

Ion Ratio Lower Upper

82 100

95 0.0 6.6 10.0#

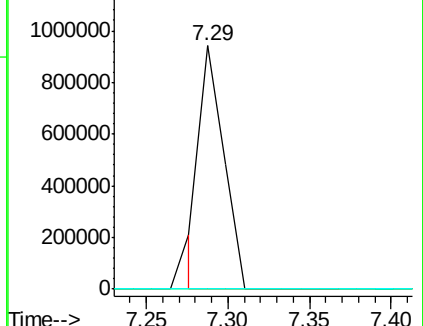
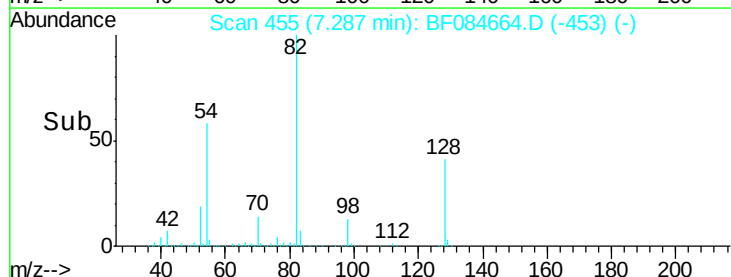
138 0.0 13.6 20.4#

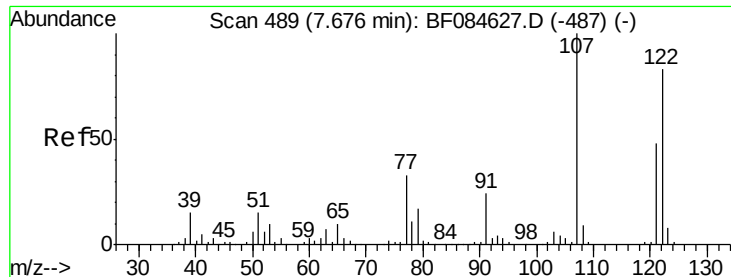


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

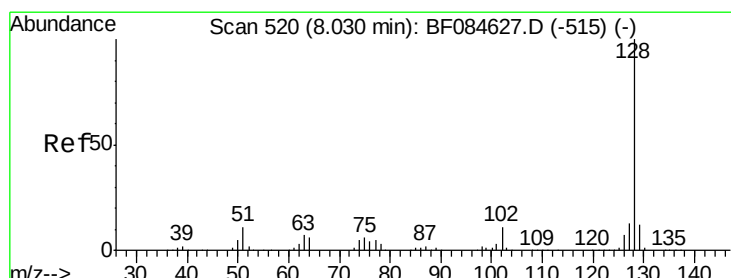
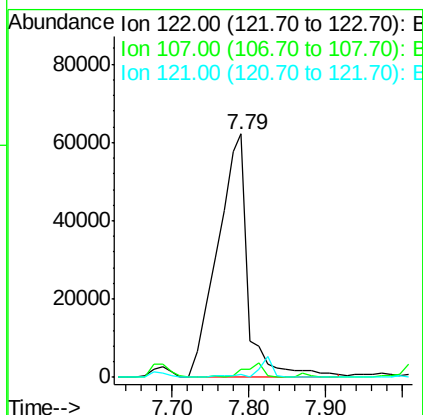
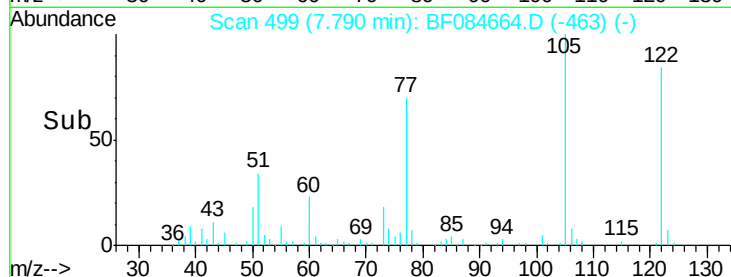
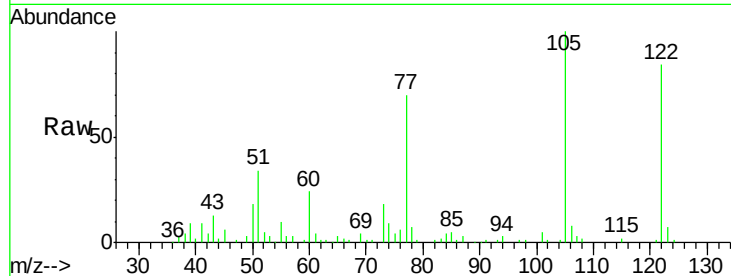




#27
 2,4-Dimethylphenol
 Concen: 14.88 ng
 RT: 7.79 min Scan# 499
 Delta R.T. 0.11 min
 Lab File: BF084664.D
 Acq: 30 Jan 2016 4:41

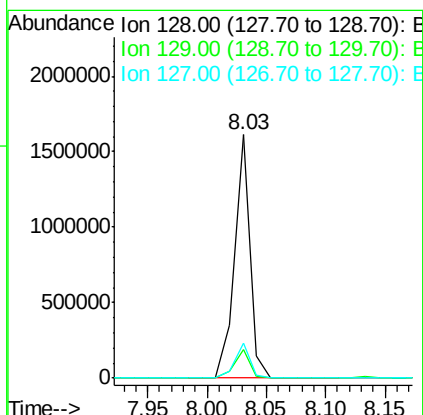
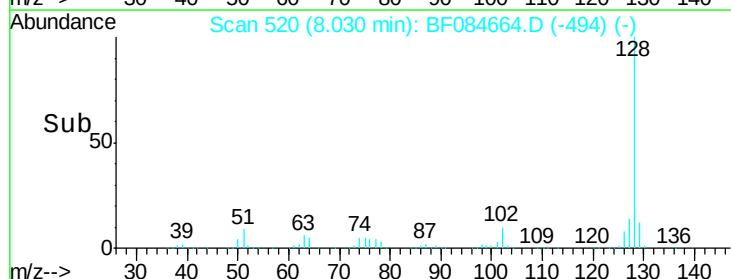
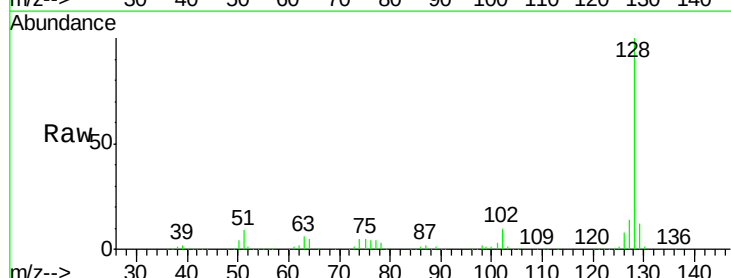
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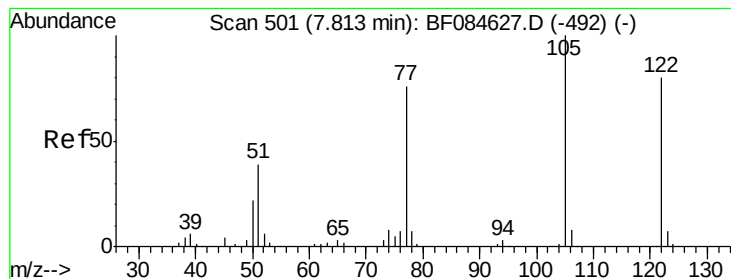
Tgt Ion:122 Resp: 172084
 Ion Ratio Lower Upper
 122 100
 107 3.5 99.1 148.7#
 121 1.2 47.9 71.9#



#31
 Naphthalene
 Concen: 39.38 ng
 RT: 8.03 min Scan# 520
 Delta R.T. -0.00 min
 Lab File: BF084664.D
 Acq: 30 Jan 2016 4:41

Tgt Ion:128 Resp: 1450995
 Ion Ratio Lower Upper
 128 100
 129 11.9 9.1 13.7
 127 14.1 11.1 16.7





#32

Benzoic acid

Concen: 19.42 ng

RT: 7.79 min Scan# 499

Delta R.T. -0.02 min

Lab File: BF084664.D

Acq: 30 Jan 2016 4:41

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-012

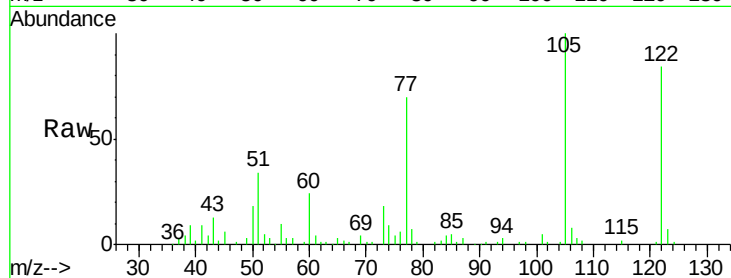
Tgt Ion:122 Resp: 172483

Ion Ratio Lower Upper

122 100

105 119.7 100.3 140.3

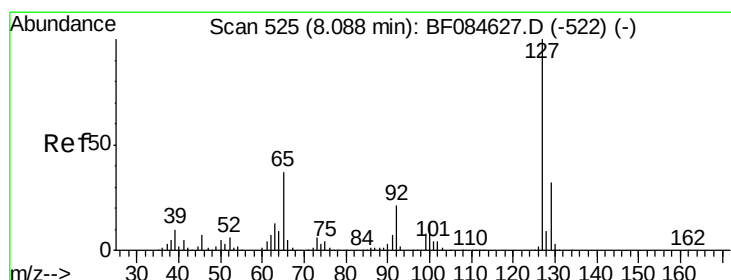
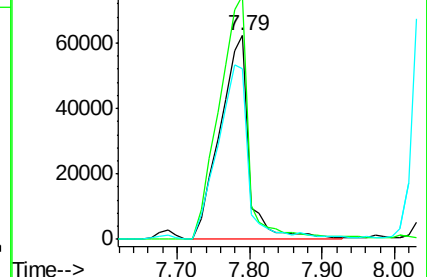
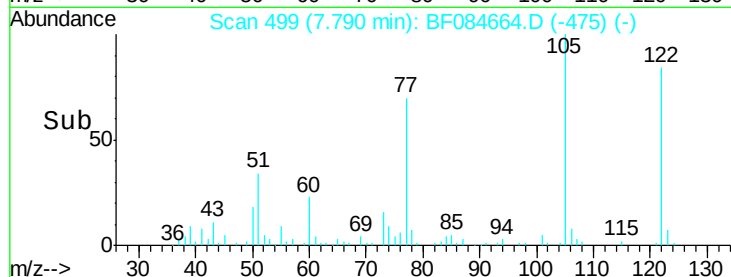
77 83.7 63.5 103.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 13.38 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.06 min

Lab File: BF084664.D

Acq: 30 Jan 2016 4:41

Tgt Ion:127 Resp: 200502

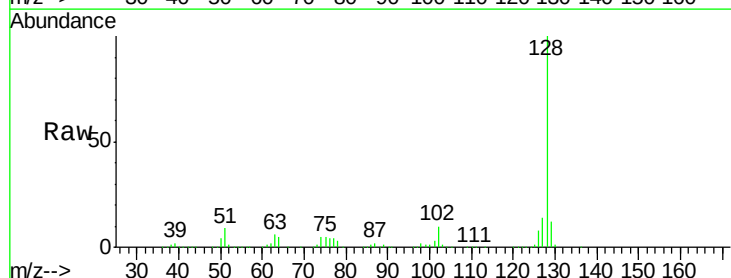
Ion Ratio Lower Upper

127 100

129 84.0 26.5 39.7#

65 0.0 27.2 40.8#

92 0.0 17.7 26.5#

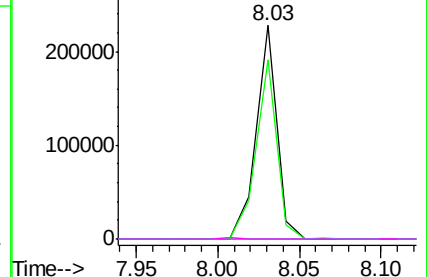
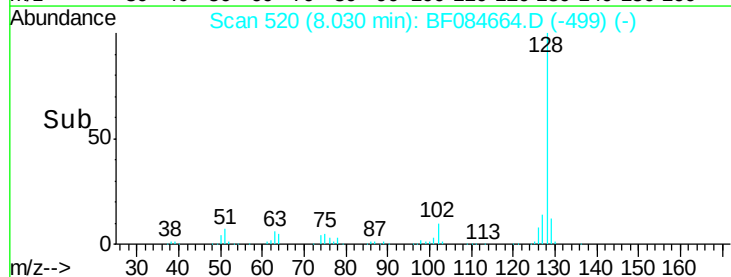


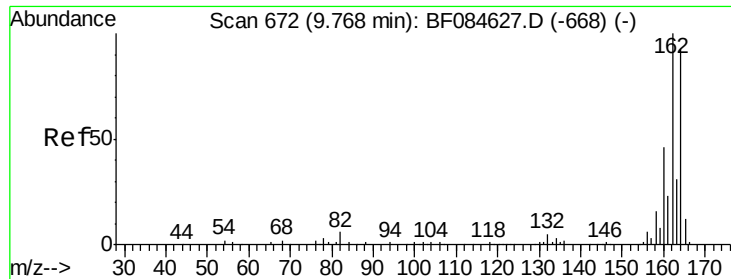
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF084664.D

Acq: 30 Jan 2016 4:41

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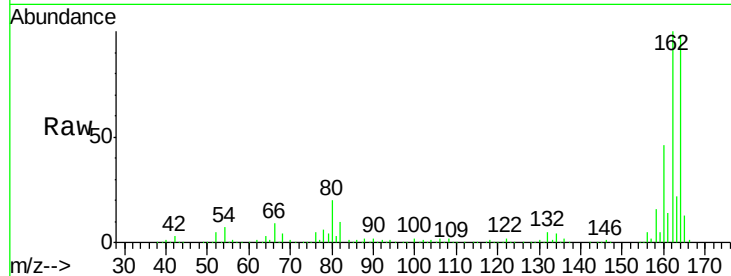
Tgt Ion:164 Resp: 344520

Ion Ratio Lower Upper

164 100

162 102.4 85.1 127.7

160 46.8 37.5 56.3

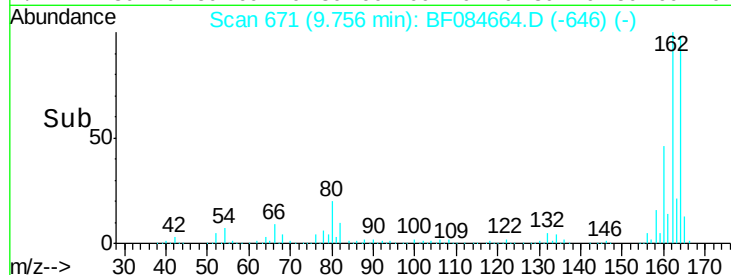


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

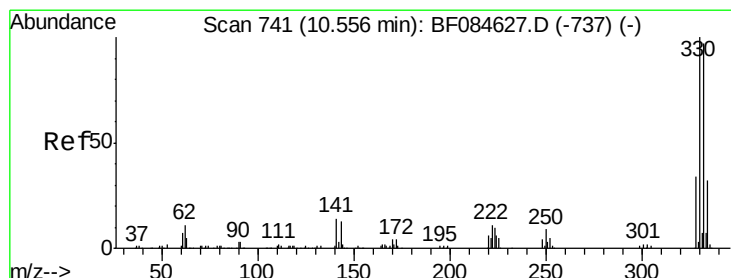
Ion 160.00 (159.70 to 160.70): E

Time-->



9.76

Time-->



#41

2,4,6-Tribromophenol

Concen: 143.00 ng

RT: 10.54 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF084664.D

Acq: 30 Jan 2016 4:41

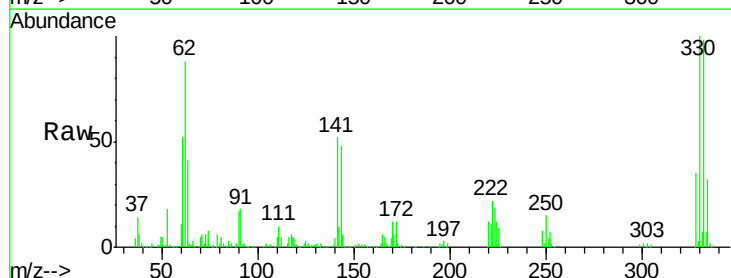
Tgt Ion:330 Resp: 516353

Ion Ratio Lower Upper

330 100

332 97.0 76.6 114.8

141 34.4 27.8 41.6

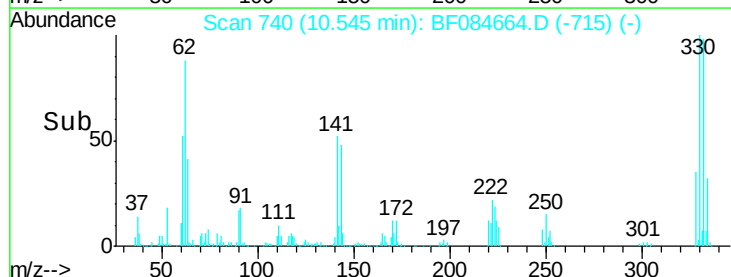


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

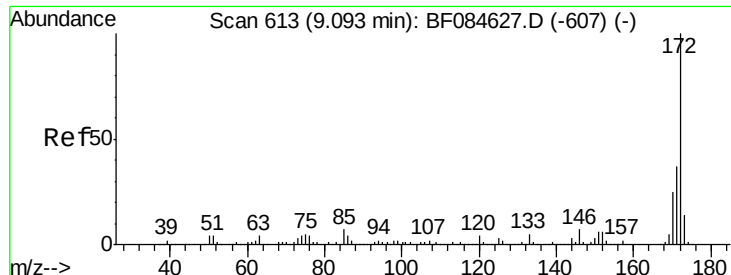
Ion 141.00 (140.70 to 141.70): E

Time-->



10.54

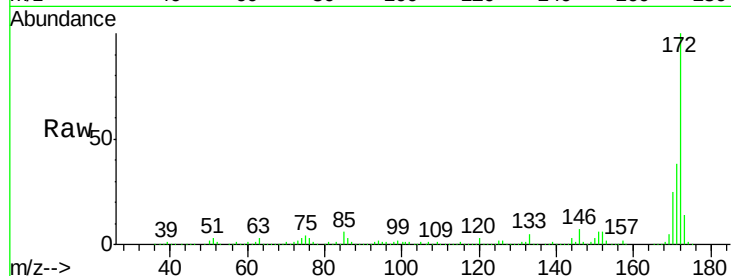
Time-->



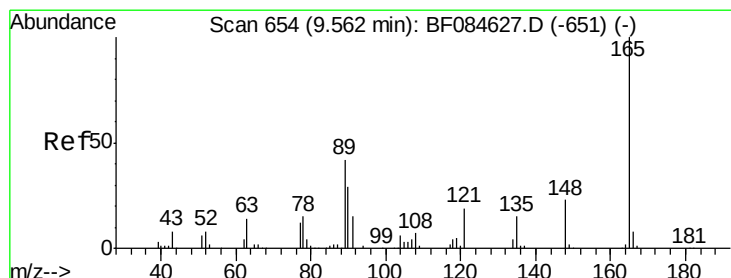
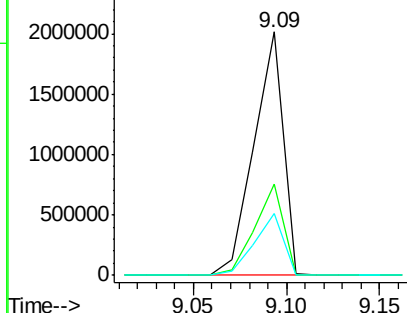
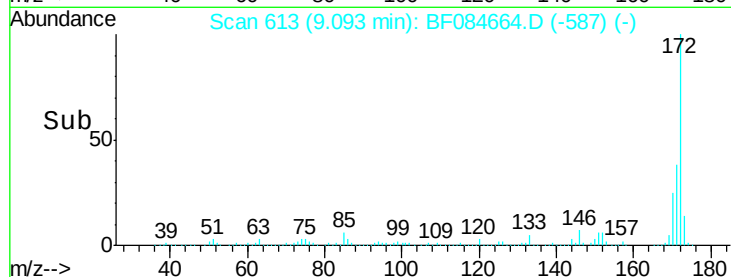
#44
 2-Fluorobiphenyl
 Concen: 94.16 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF084664.D
 Acq: 30 Jan 2016 4:41

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-012

Tgt Ion:172 Resp: 2182537
 Ion Ratio Lower Upper
 172 100
 171 37.6 28.9 43.3
 170 25.3 18.6 27.8

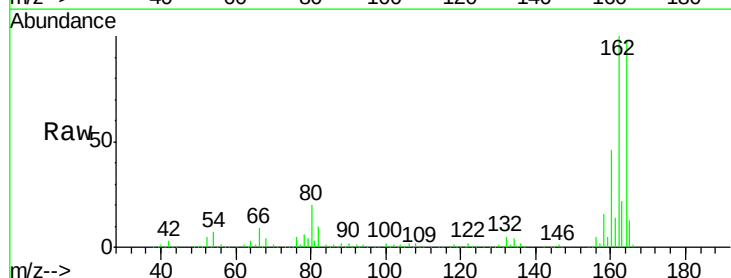


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

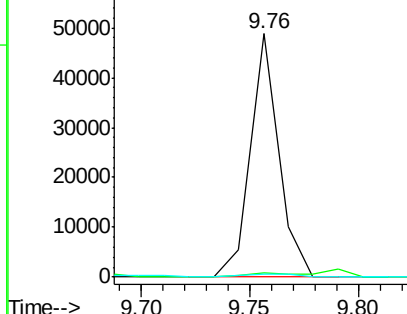
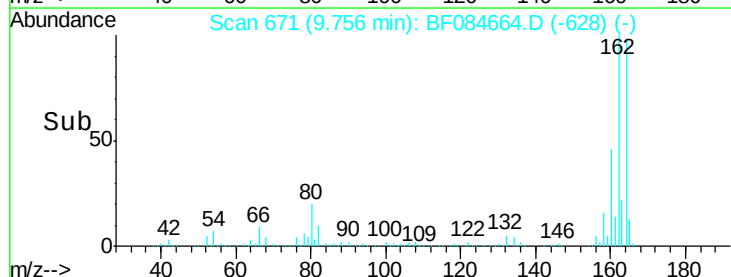


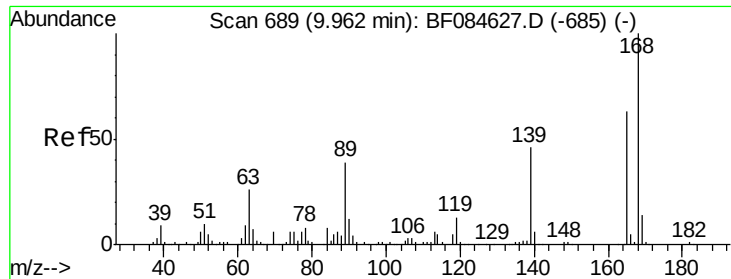
#50
 2,6-Dinitrotoluene
 Concen: 7.77 ng
 RT: 9.76 min Scan# 671
 Delta R.T. 0.19 min
 Lab File: BF084664.D
 Acq: 30 Jan 2016 4:41

Tgt Ion:165 Resp: 44225
 Ion Ratio Lower Upper
 165 100
 63 1.6 28.8 43.2#
 89 1.4 35.1 52.7#



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

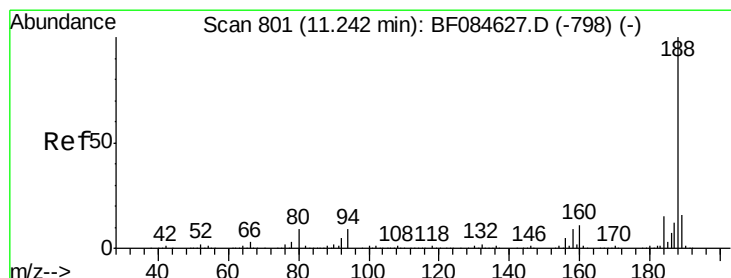
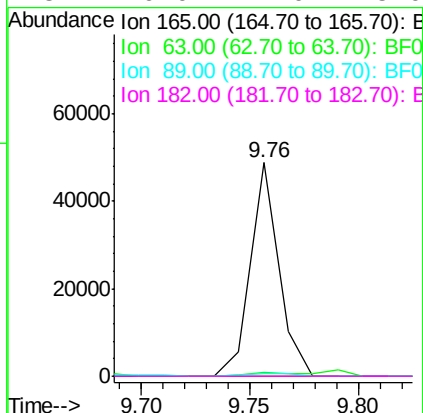
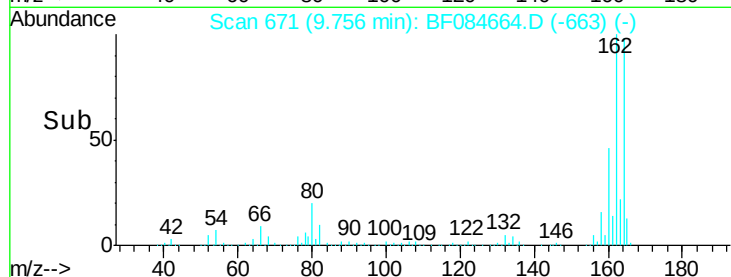
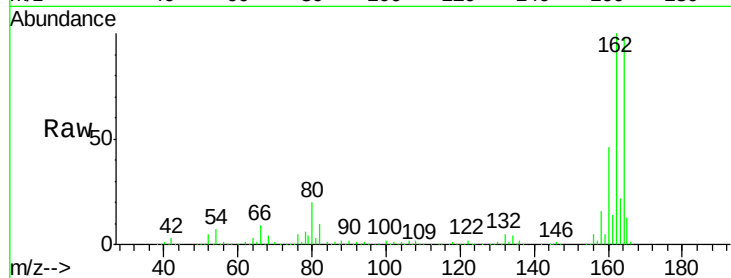




#56
 2,4-Dinitrotoluene
 Concen: 5.98 ng
 RT: 9.76 min Scan# 671
 Delta R.T. -0.21 min
 Lab File: BF084664.D
 Acq: 30 Jan 2016 4:41

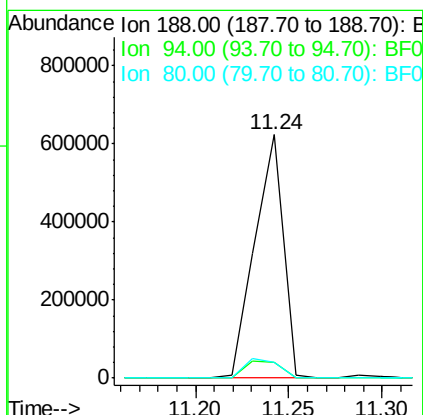
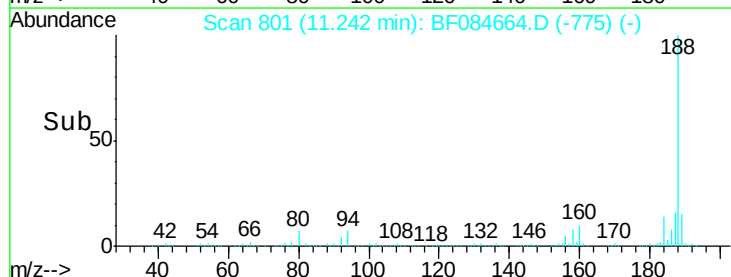
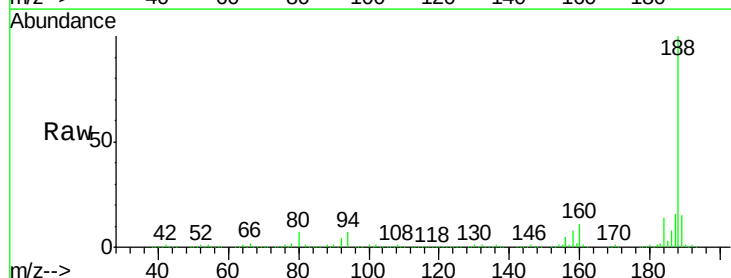
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-012

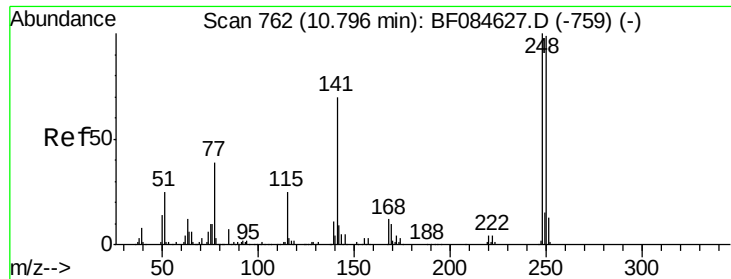
Tgt Ion:	165	Resp:	44225
Ion Ratio	Lower	Upper	
165	100		
63	1.6	36.7	55.1#
89	1.4	61.9	92.9#
182	0.0	2.0	3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.24 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: BF084664.D
 Acq: 30 Jan 2016 4:41

Tgt Ion:	188	Resp:	659415
Ion Ratio	Lower	Upper	
188	100		
94	6.5	9.0	13.4#
80	6.7	9.6	14.4#

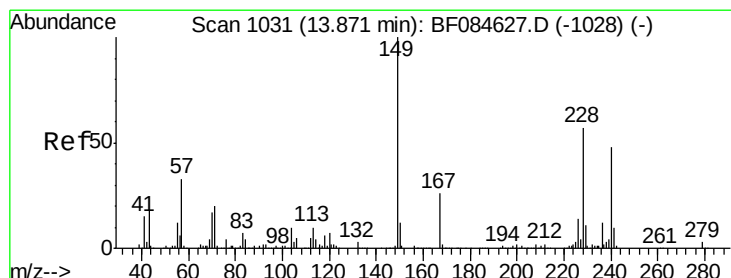
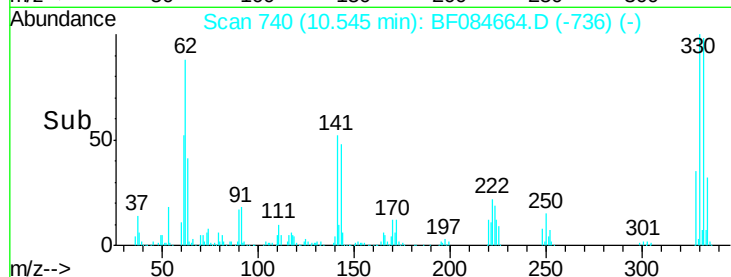
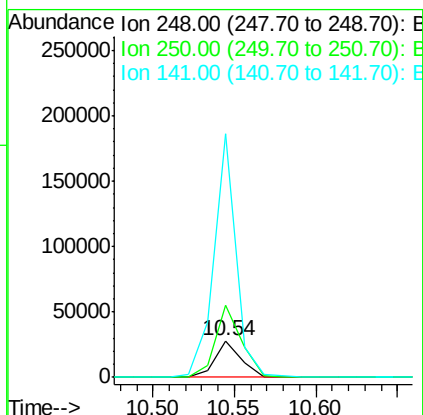
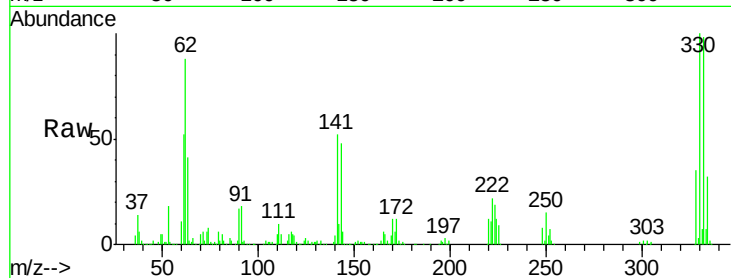




#66
4-Bromophenyl-phenylether
Concen: 4.18 ng
RT: 10.54 min Scan# 740
Delta R.T. -0.25 min
Lab File: BF084664.D
Acq: 30 Jan 2016 4:41

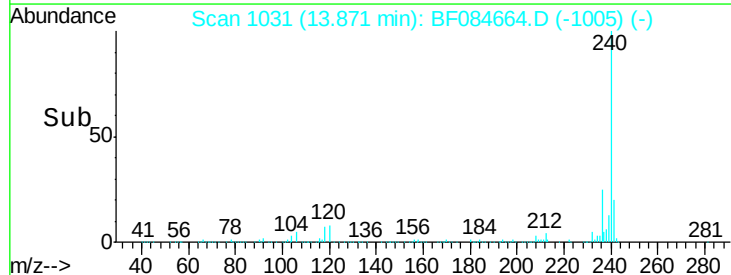
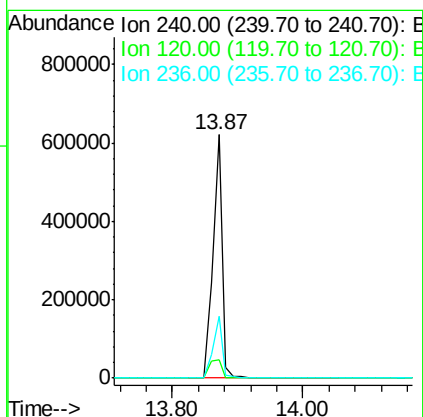
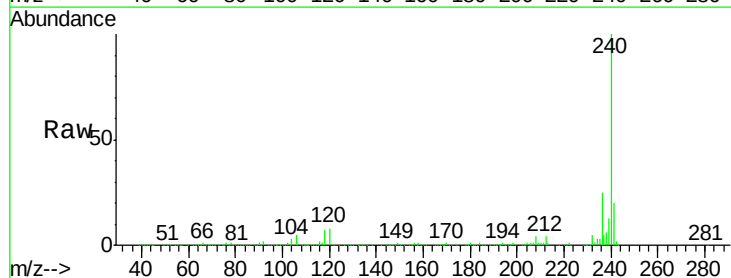
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-012

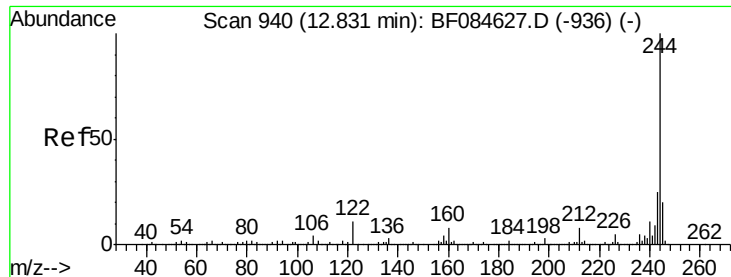
Tgt Ion:248 Resp: 31009
Ion Ratio Lower Upper
248 100
250 196.8 78.4 117.6#
141 667.0 44.0 66.0#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BF084664.D
Acq: 30 Jan 2016 4:41

Tgt Ion:240 Resp: 622992
Ion Ratio Lower Upper
240 100
120 7.8 9.5 14.3#
236 25.4 20.6 31.0





#78

Terphenyl-d14

Concen: 73.18 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.00 min

Lab File: BF084664.D

Acq: 30 Jan 2016 4:41

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-012

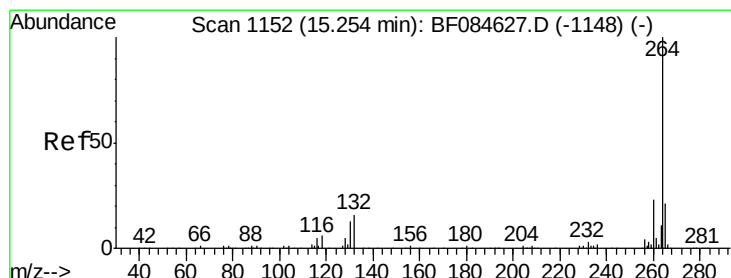
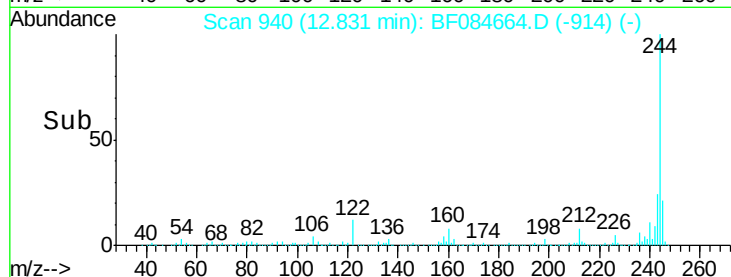
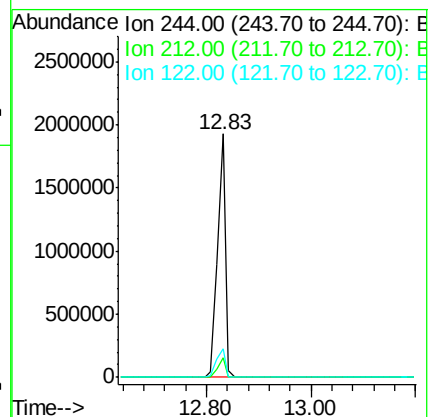
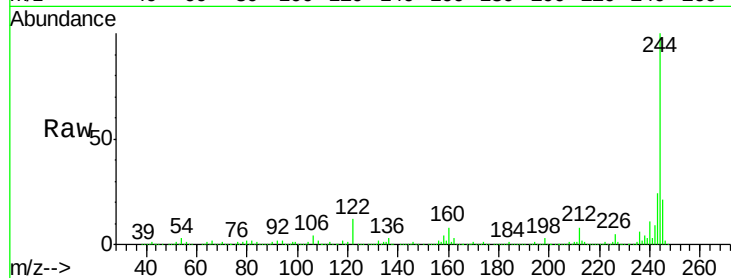
Tgt Ion:244 Resp: 2018482

Ion Ratio Lower Upper

244 100

212 7.9 5.7 8.5

122 11.6 7.4 11.0#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.25 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BF084664.D

Acq: 30 Jan 2016 4:41

Tgt Ion:264 Resp: 231394

Ion Ratio Lower Upper

264 100

260 26.2 19.4 29.2

265 20.6 17.8 26.6

