

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010215\
 Data File : BF076735.D
 Acq On : 2 Jan 2015 20:36
 Operator : IZ / TP
 Sample : G1001-03
 Misc : LOD-SOIL-8PPM
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Jan 05 10:32:25 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121714.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 02 22:56:46 2015
 Response via : Initial Calibration

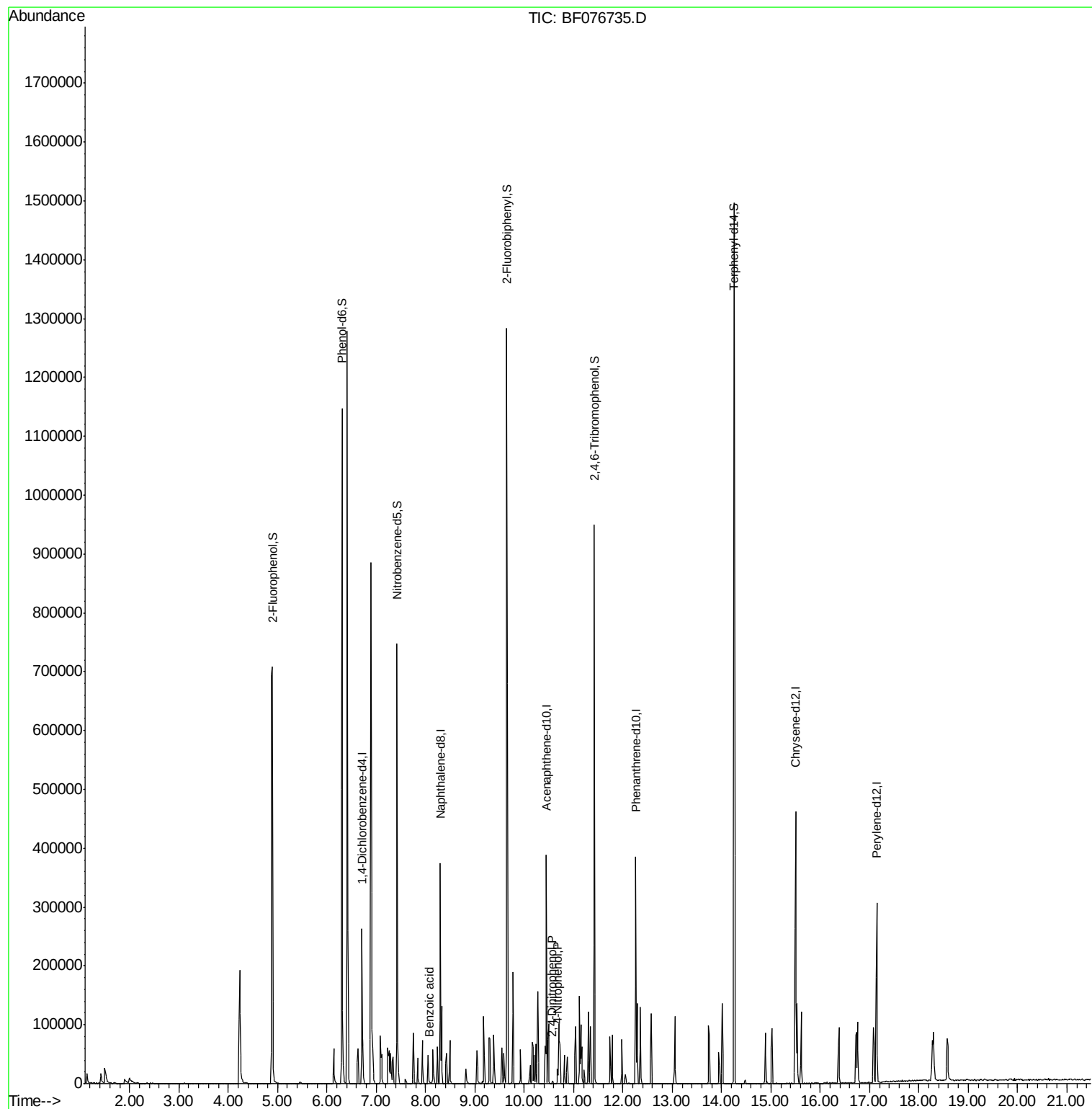
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	40023	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	176424	20.00	ng	0.00
38) Acenaphthene-d10	10.45	164	92991	20.00	ng	-0.01
63) Phenanthrene-d10	12.27	188	162351	20.00	ng	0.00
75) Chrysene-d12	15.50	240	148954	20.00	ng	-0.01
86) Perylene-d12	17.15	264	144477	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	4.89	112	309868	131.26	ng	0.01
7) Phenol-d6	6.31	99	412428	143.04	ng	0.00
23) Nitrobenzene-d5	7.42	82	228602	77.06	ng	0.00
41) 2,4,6-Tribromophenol	11.42	330	101521	129.17	ng	-0.01
44) 2-Fluorobiphenyl	9.65	172	477040	79.83	ng	-0.01
78) Terphenyl-d14	14.25	244	506435	75.00	ng	-0.01
Target Compounds						
32) Benzoic acid	8.07	122	2940	6.74	ng	# 82
53) 2,4-Dinitrophenol	10.57	184	658	4.62	ng	# 56
55) 4-Nitrophenol	10.68	139	5042m	4.30	ng	

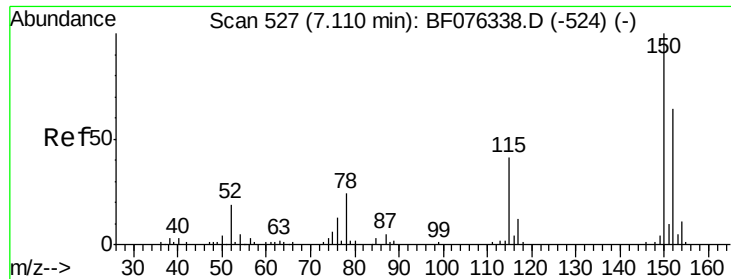
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121714.M
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 492

Delta R.T. 0.00 min

Lab File: BF076735.D

Acq: 2 Jan 2015 20:36

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

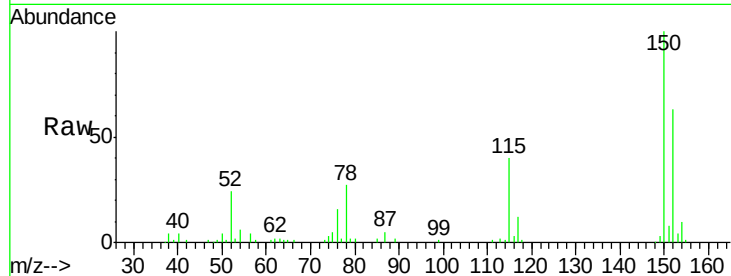
Tot Ion:152 Resp: 40023

Ion Ratio Lower Upper

152 100

150 158.7 125.2 187.8

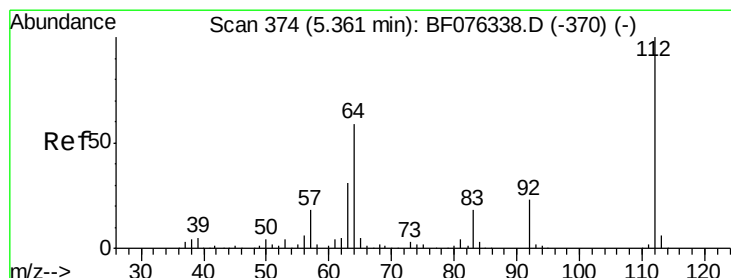
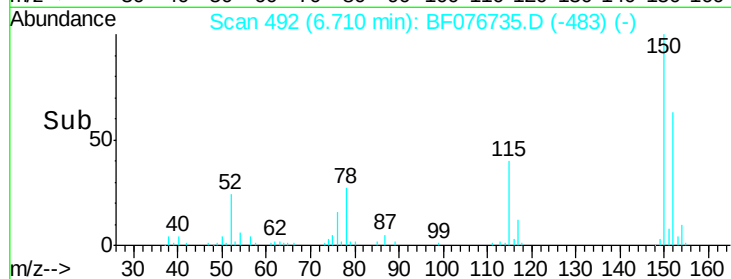
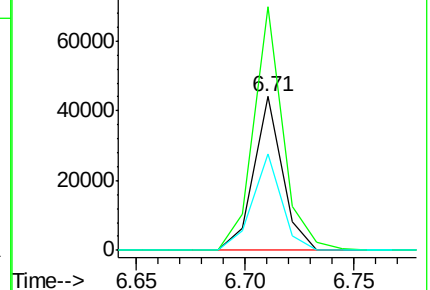
115 62.9 51.4 77.0



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: 131.26 ng

RT: 4.89 min Scan# 333

Delta R.T. 0.01 min

Lab File: BF076735.D

Acq: 2 Jan 2015 20:36

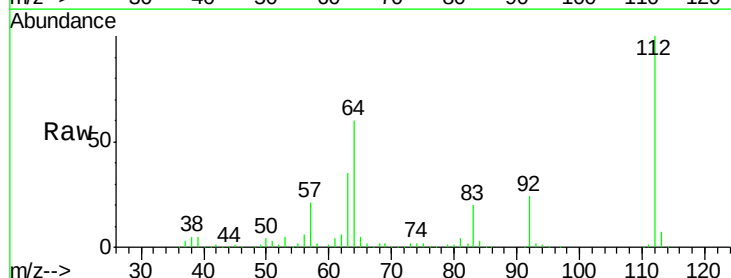
Tgt Ion:112 Resp: 309868

Ion Ratio Lower Upper

112 100

64 59.7 47.4 71.0

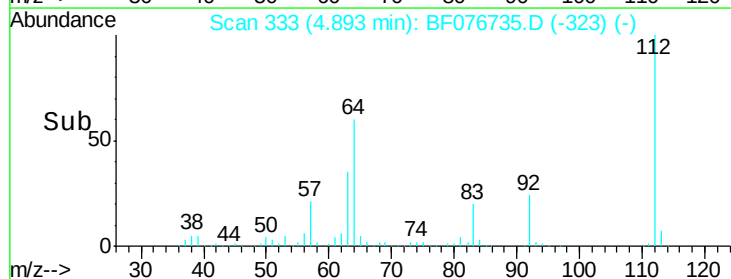
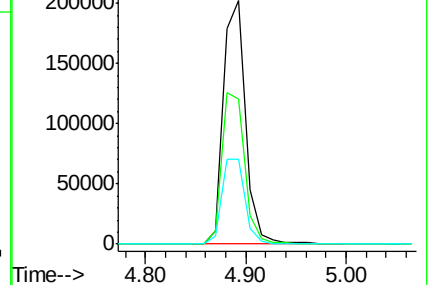
63 34.8 25.0 37.4

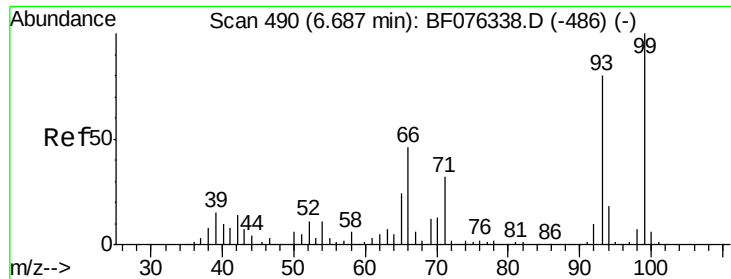


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 143.04 ng

RT: 6.31 min Scan# 457

Delta R.T. 0.00 min

Lab File: BF076735.D

Acq: 2 Jan 2015 20:36

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

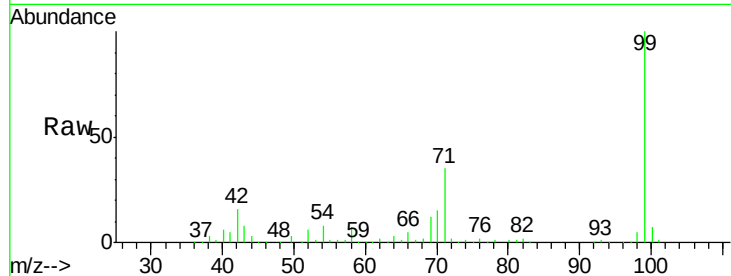
Tot Ion: 99 Resp: 412428

Ion Ratio Lower Upper

99 100

42 15.7 11.6 17.4

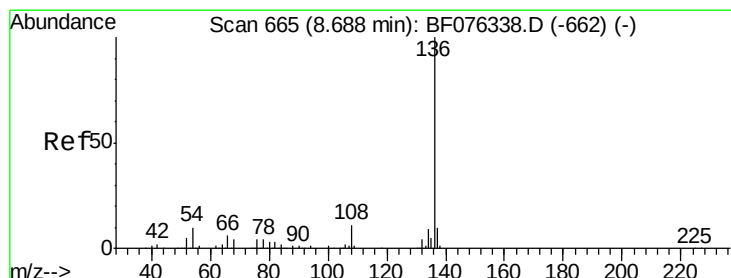
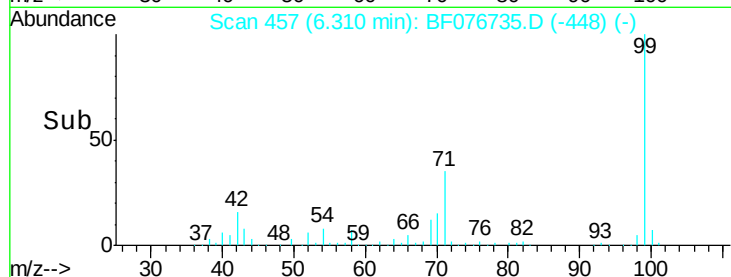
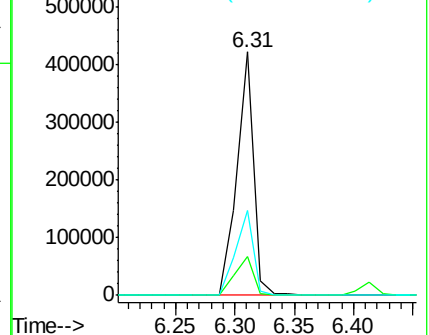
71 34.9 25.9 38.9



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.30 min Scan# 631

Delta R.T. 0.00 min

Lab File: BF076735.D

Acq: 2 Jan 2015 20:36

Tgt Ion: 136 Resp: 176424

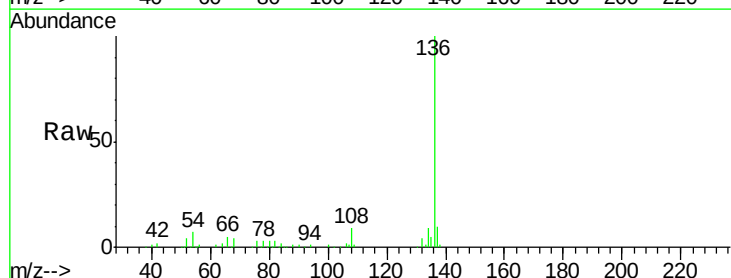
Ion Ratio Lower Upper

136 100

137 9.8 8.4 12.6

54 6.9 7.8 11.6#

68 3.9 3.4 5.2

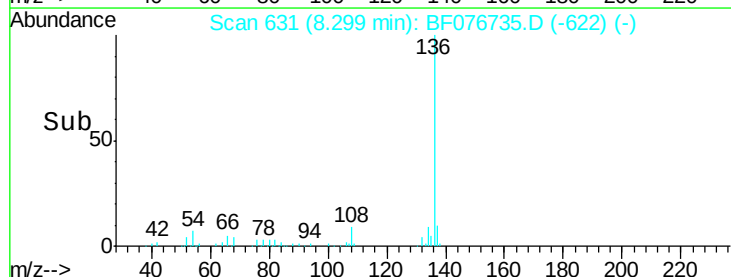
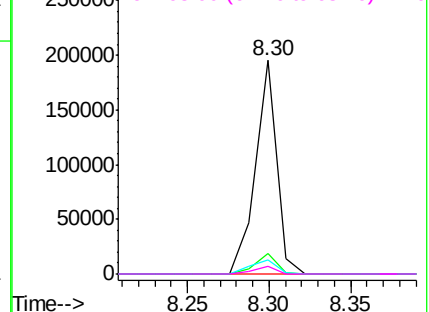


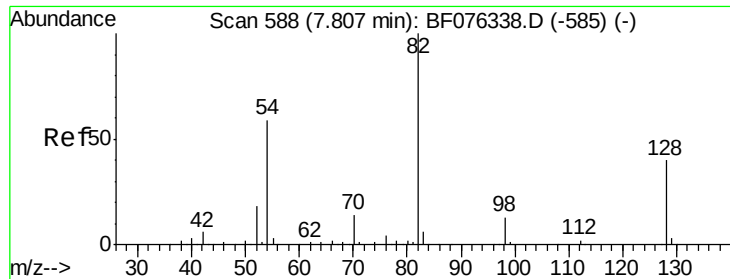
Abundance Ion 136.00 (135.70 to 136.70): E

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

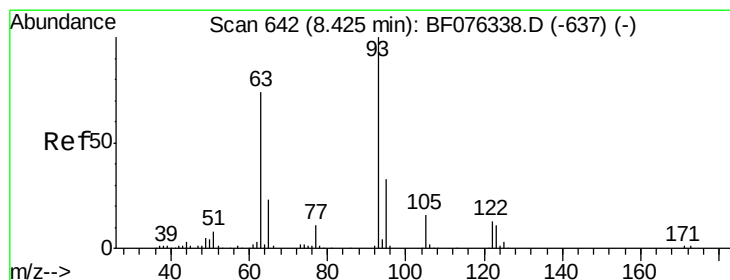
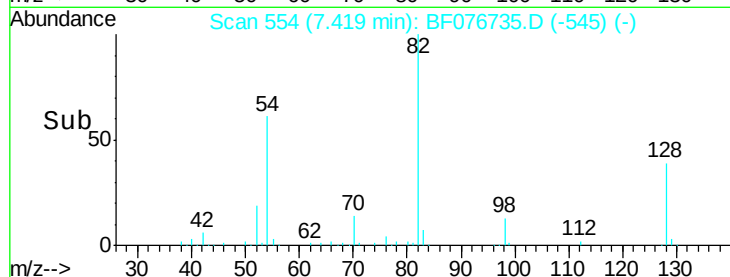
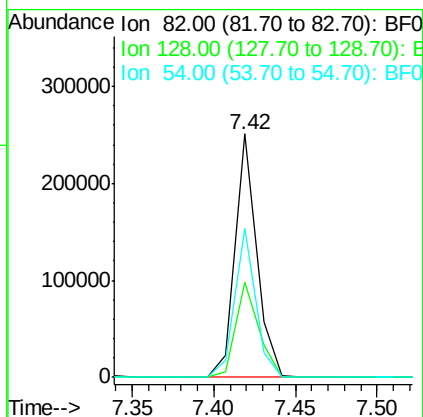
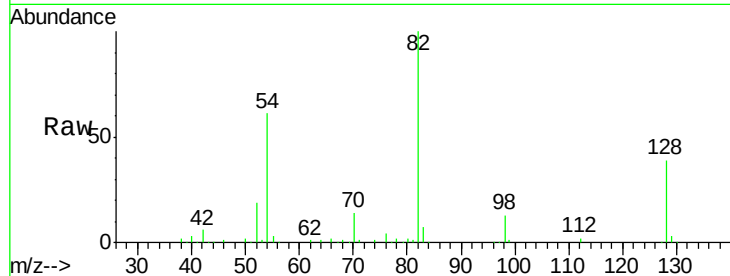




#23
 Nitrobenzene-d5
 Concen: 77.06 ng
 RT: 7.42 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: BF076735.D
 Acq: 2 Jan 2015 20:36

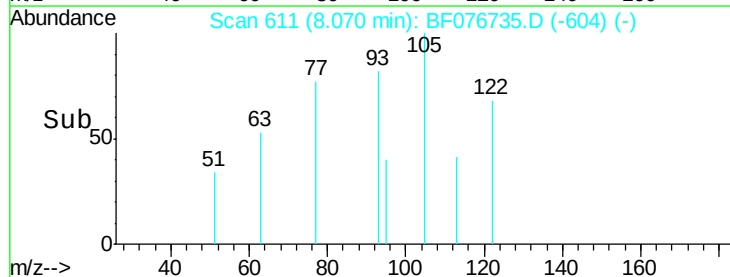
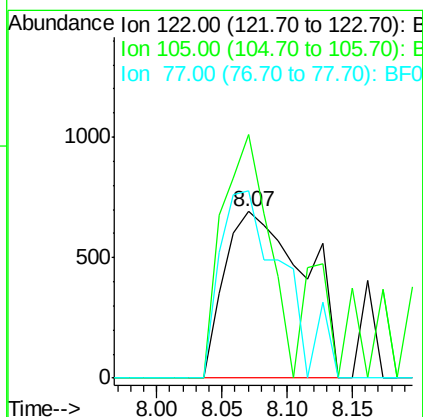
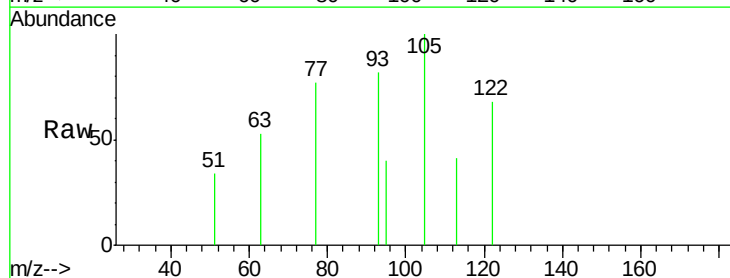
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

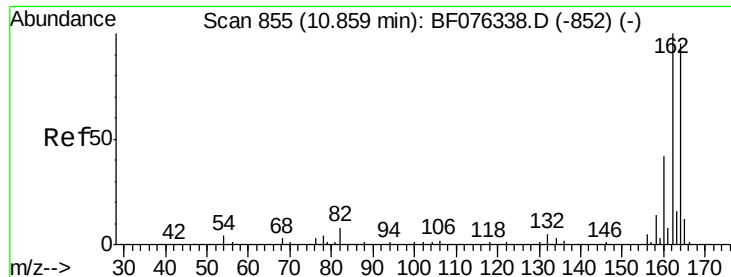
Tot Ion: 82 Resp: 228602
 Ion Ratio Lower Upper
 82 100
 128 39.2 31.9 47.9
 54 61.0 47.2 70.8



#32
 Benzoic acid
 Concen: 6.74 ng
 RT: 8.07 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: BF076735.D
 Acq: 2 Jan 2015 20:36

Tgt Ion:122 Resp: 2940
 Ion Ratio Lower Upper
 122 100
 105 146.4 110.2 150.2
 77 112.8 70.7 110.7#

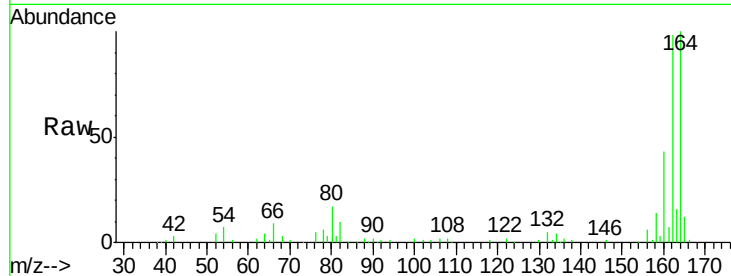




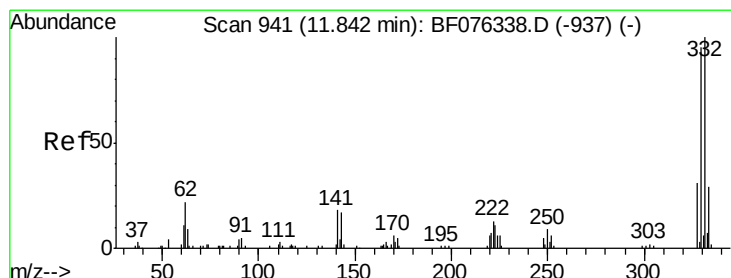
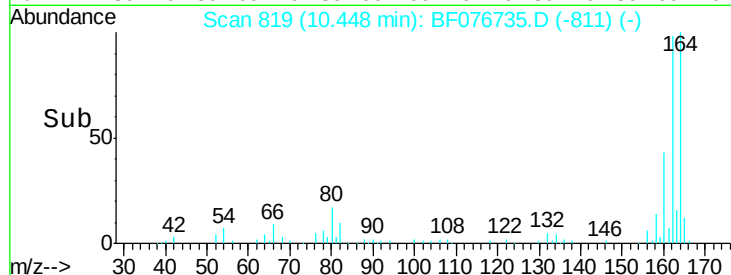
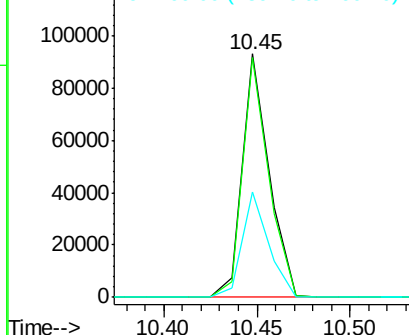
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.45 min Scan# 819
Delta R.T. -0.01 min
Lab File: BF076735.D
Acq: 2 Jan 2015 20:36

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tot Ion:164 Resp: 92991
Ion Ratio Lower Upper
164 100
162 98.2 84.2 126.2
160 43.2 35.5 53.3

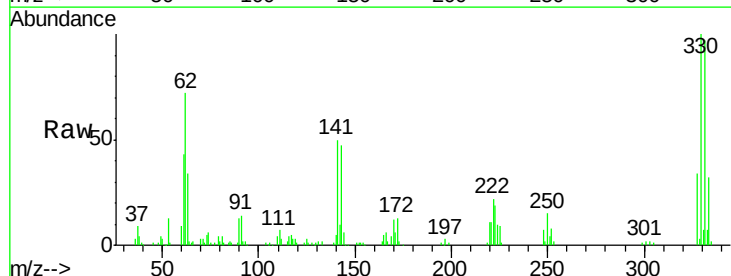


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

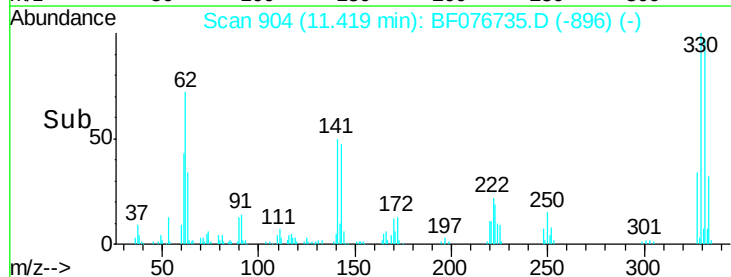
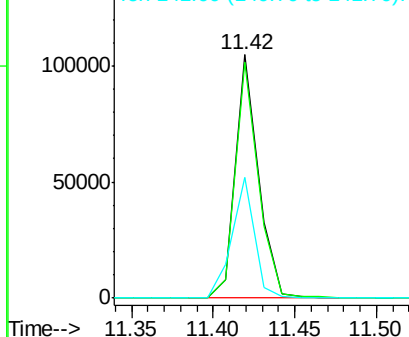


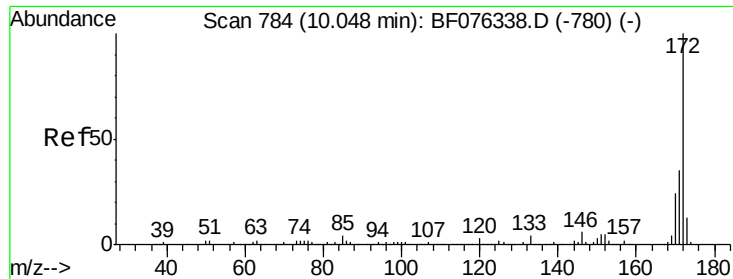
#41
2,4,6-Tribromophenol
Concen: 129.17 ng
RT: 11.42 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF076735.D
Acq: 2 Jan 2015 20:36

Tgt Ion:330 Resp: 101521
Ion Ratio Lower Upper
330 100
332 97.0 0.0 0.0#
141 48.9 0.0 0.0#



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

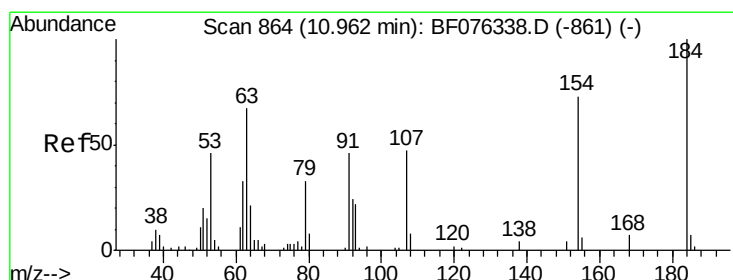
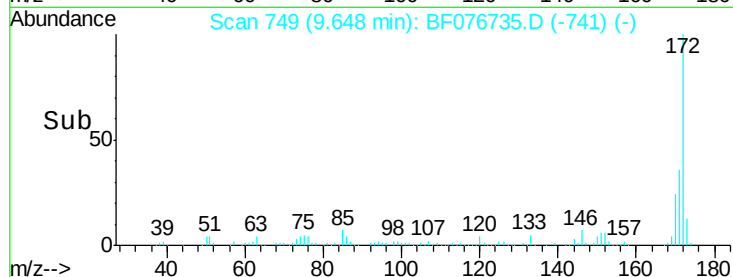
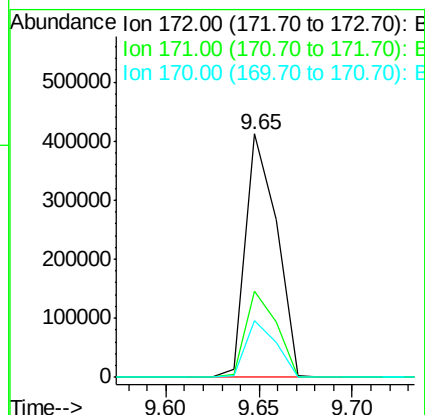
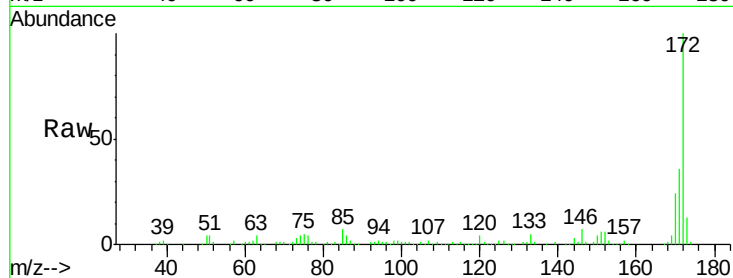




#44
 2-Fluorobiphenyl
 Concen: 79.83 ng
 RT: 9.65 min Scan# 749
 Delta R.T. -0.01 min
 Lab File: BF076735.D
 Acq: 2 Jan 2015 20:36

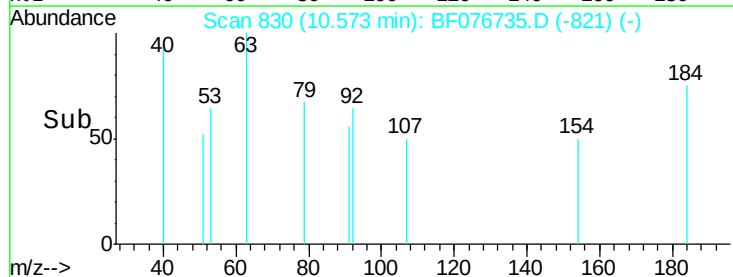
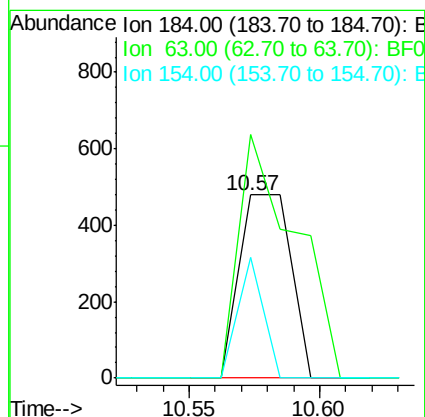
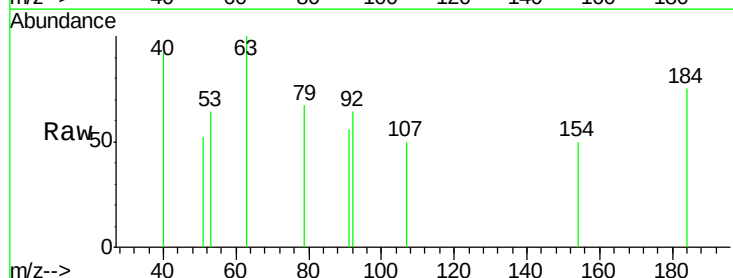
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 ClientSampleId :
 LOD-SOIL2015-01

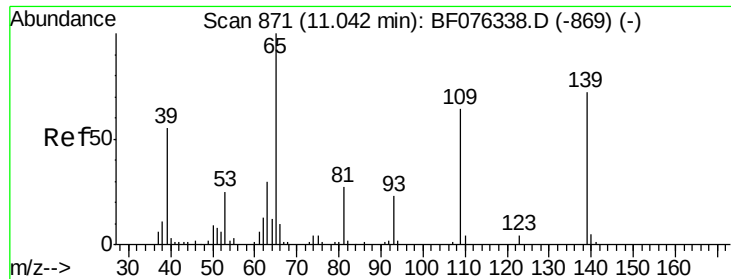
Tot Ion:172 Resp: 477040
 Ion Ratio Lower Upper
 172 100
 171 35.6 27.8 41.8
 170 23.5 19.0 28.4



#53
 2,4-Dinitrophenol
 Concen: 4.62 ng
 RT: 10.57 min Scan# 830
 Delta R.T. 0.00 min
 Lab File: BF076735.D
 Acq: 2 Jan 2015 20:36

Tgt Ion:184 Resp: 658
 Ion Ratio Lower Upper
 184 100
 63 132.7 53.4 80.0#
 154 66.0 58.5 87.7

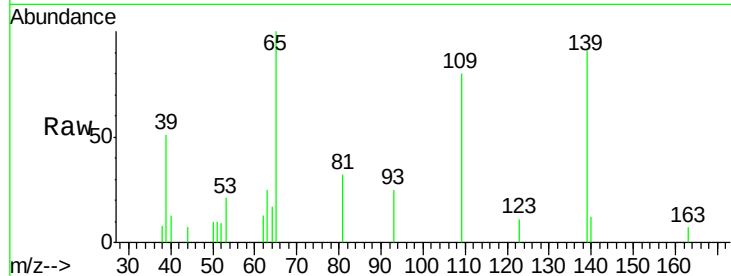




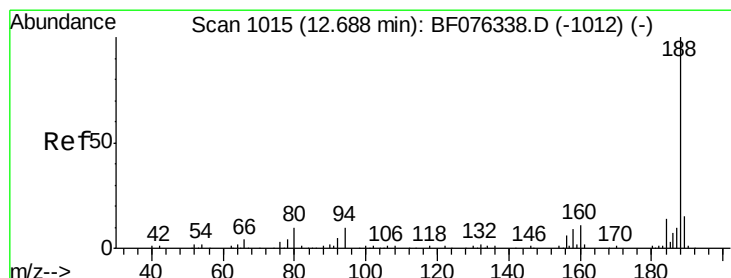
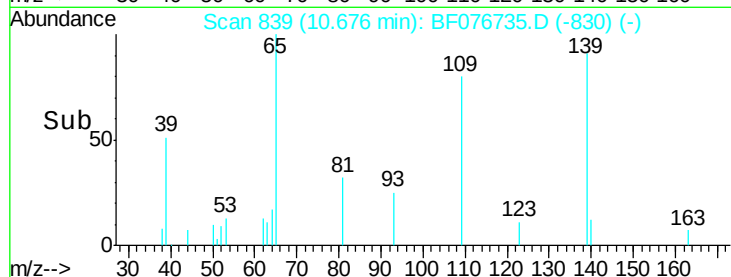
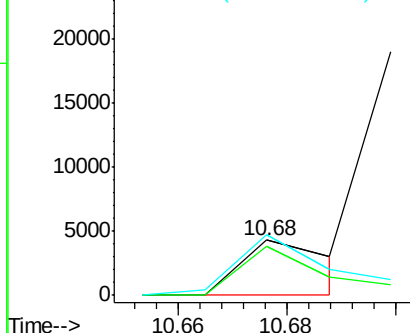
#55
4-Nitrophenol
Concen: 4.30 ng/mL
RT: 10.68 min Scan# 839
Delta R.T. 0.00 min
Lab File: BF076735.D
Acq: 2 Jan 2015 20:36

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tot Ion:139 Resp: 5042
Ion Ratio Lower Upper
139 100
109 87.5 69.1 109.1
65 109.8 119.8 159.8#

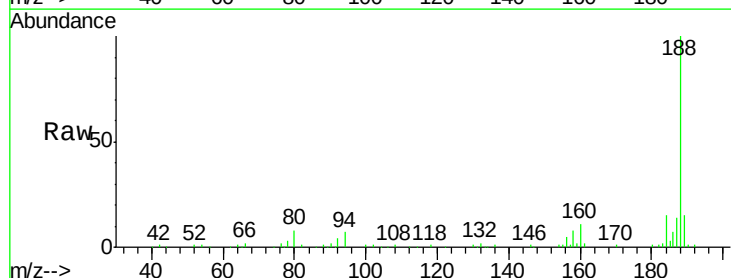


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

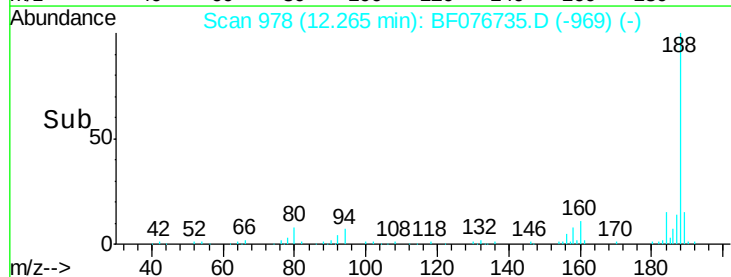
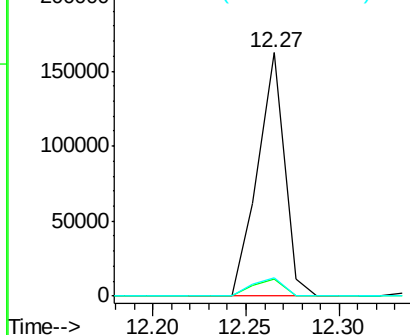


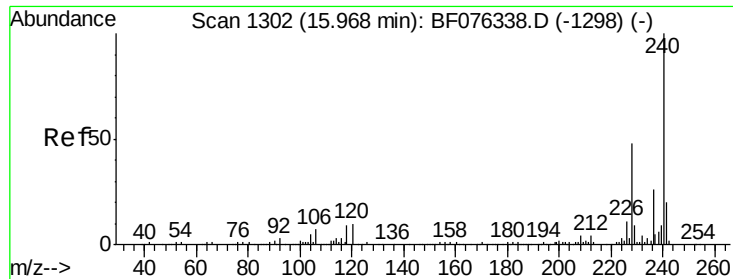
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.27 min Scan# 978
Delta R.T. 0.00 min
Lab File: BF076735.D
Acq: 2 Jan 2015 20:36

Tgt Ion:188 Resp: 162351
Ion Ratio Lower Upper
188 100
94 7.0 7.9 11.9#
80 7.6 8.2 12.2#



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

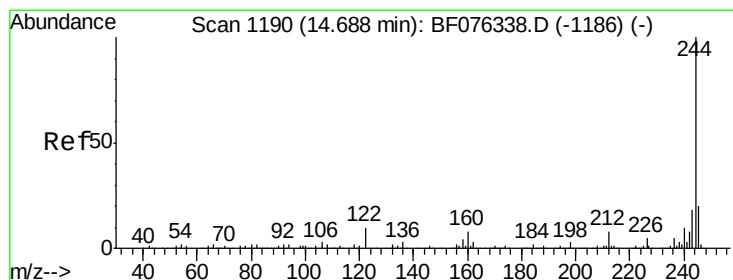
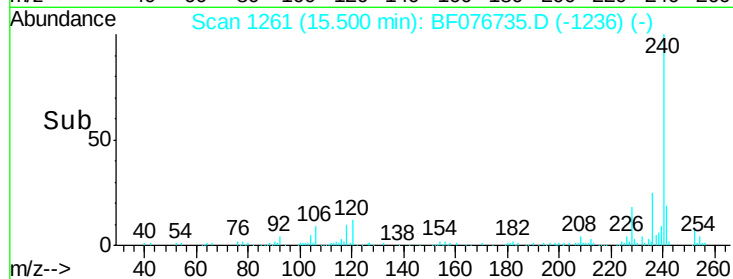
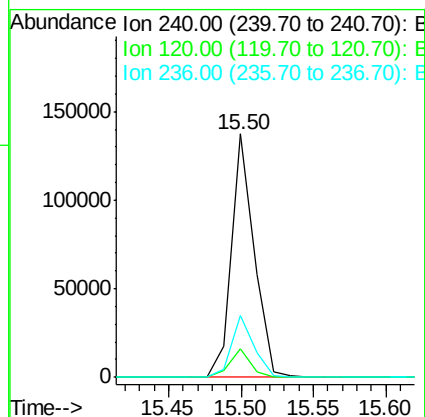
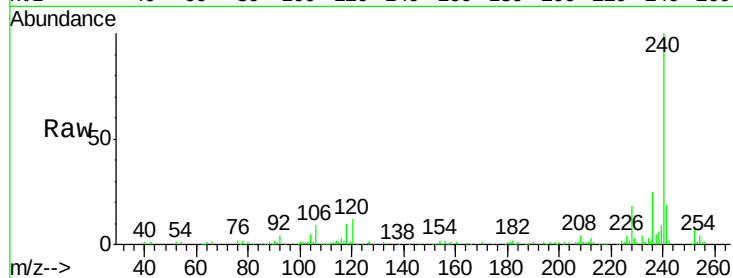




#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BF076735.D
Acq: 2 Jan 2015 20:36

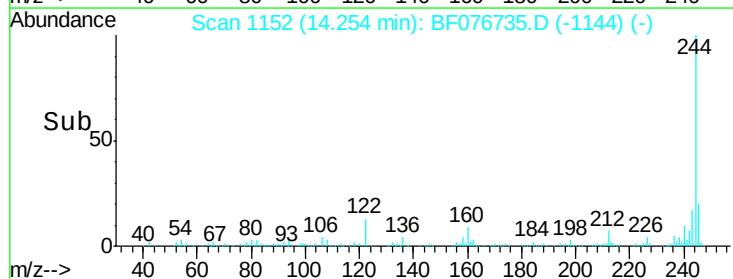
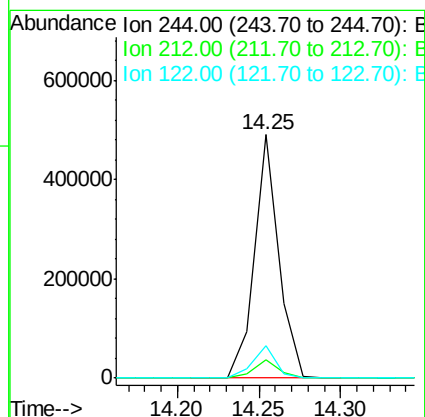
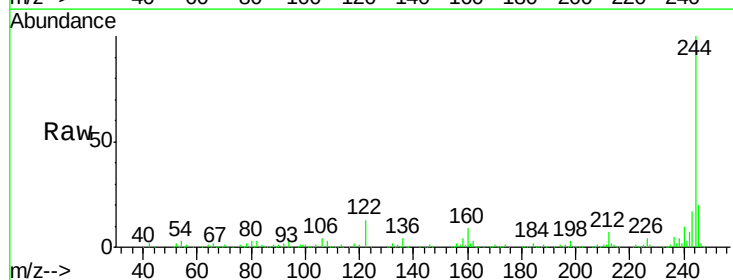
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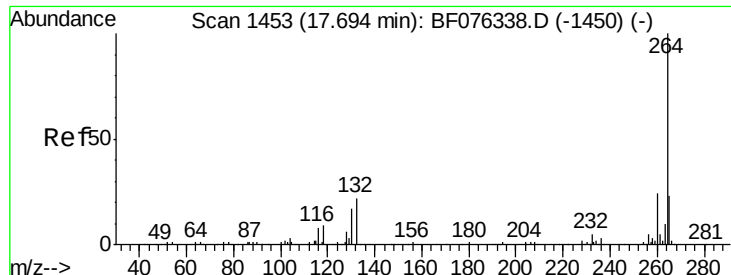
Tot Ion:240 Resp: 148954
Ion Ratio Lower Upper
240 100
120 11.9 8.0 12.0
236 25.5 20.6 30.8



#78
Terphenyl-d14
Concen: 75.00 ng
RT: 14.25 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF076735.D
Acq: 2 Jan 2015 20:36

Tgt Ion:244 Resp: 506435
Ion Ratio Lower Upper
244 100
212 7.5 6.2 9.2
122 13.2 8.2 12.2#

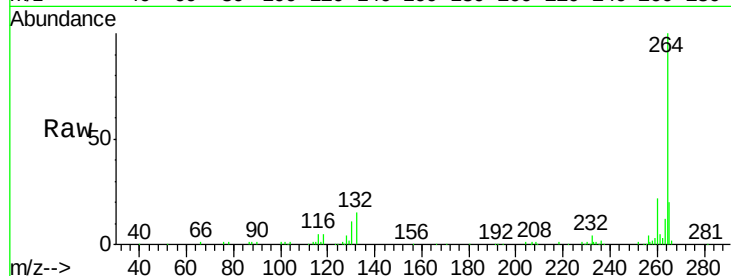




#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.15 min Scan# 1405
Delta R.T. -0.07 min
Lab File: BF076735.D
Acq: 2 Jan 2015 20:36

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tot Ion:264 Resp: 144477
Ion Ratio Lower Upper
264 100
260 22.4 19.4 29.2
265 19.9 18.1 27.1



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

