

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122116\
 Data File : BF091845.D
 Acq On : 21 Dec 2016 20:40
 Operator : UM/SJ
 Sample : H6103-01
 Misc : LOD 4PPM
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

Quant Time: Dec 22 03:17:33 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

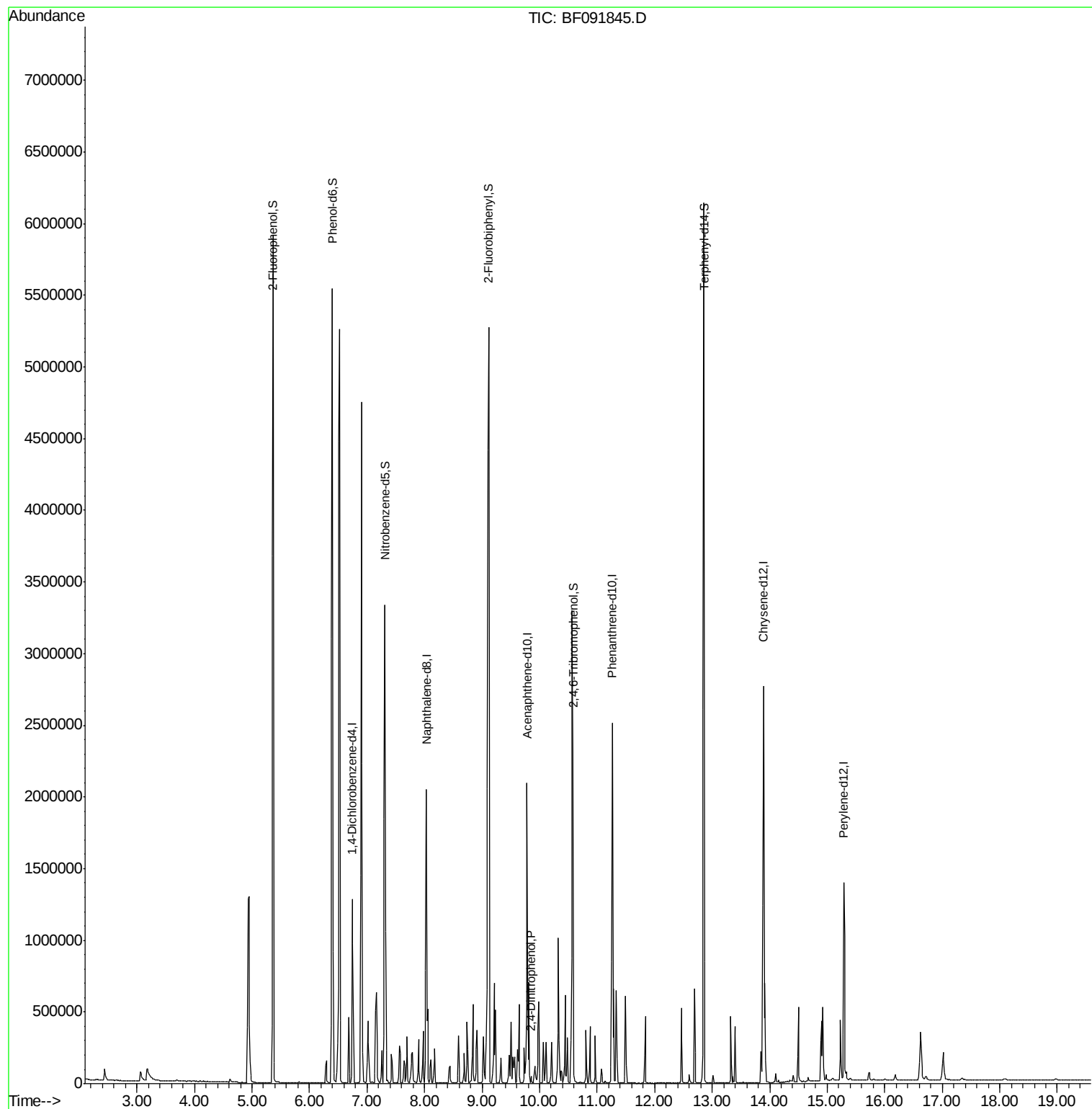
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	255595	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	1081974	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	553117	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	985024	20.00	ng	0.00
75) Chrysene-d12	13.89	240	761337	20.00	ng	-0.01
86) Perylene-d12	15.29	264	719413	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1926533	125.85	ng	0.02
7) Phenol-d6	6.40	99	2224200	119.01	ng	-0.01
23) Nitrobenzene-d5	7.31	82	1572648	80.82	ng	-0.01
41) 2,4,6-Tribromophenol	10.58	330	629374	137.49	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	2901130	111.49	ng	0.00
78) Terphenyl-d14	12.85	244	2194507	69.91	ng	0.00
Target Compounds						
53) 2,4-Dinitrophenol	9.85	184	8194	1.90	ng	Qvalue # 69

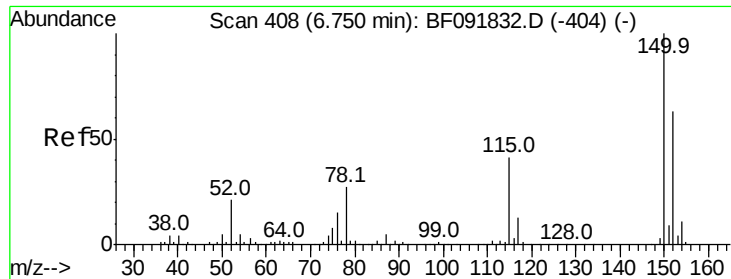
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF091845.D

Acq: 21 Dec 2016 20:40

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT1-2017

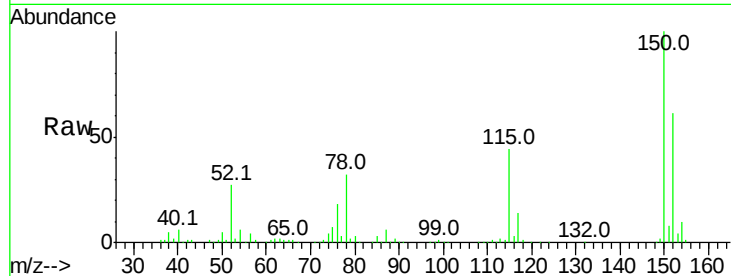
Tot Ion:152 Resp: 255595

Ion Ratio Lower Upper

152 100

150 162.9 124.9 187.3

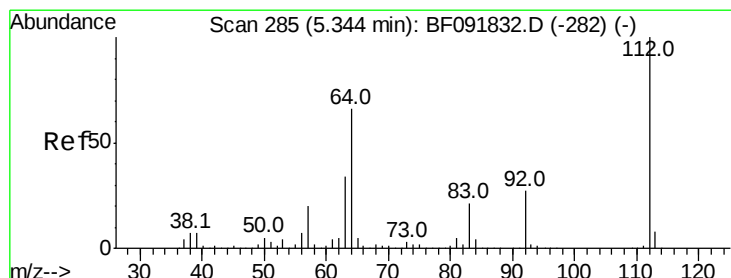
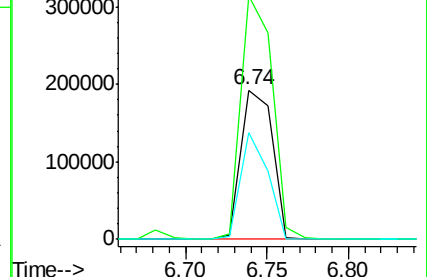
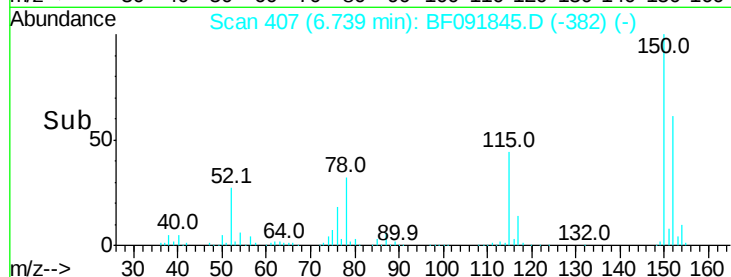
115 71.0 46.0 69.0#



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: 125.85 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.02 min

Lab File: BF091845.D

Acq: 21 Dec 2016 20:40

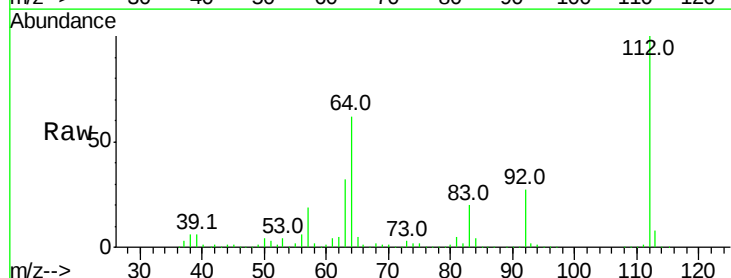
Tgt Ion:112 Resp: 1926533

Ion Ratio Lower Upper

112 100

64 61.7 46.1 69.1

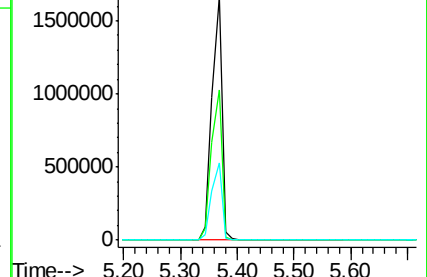
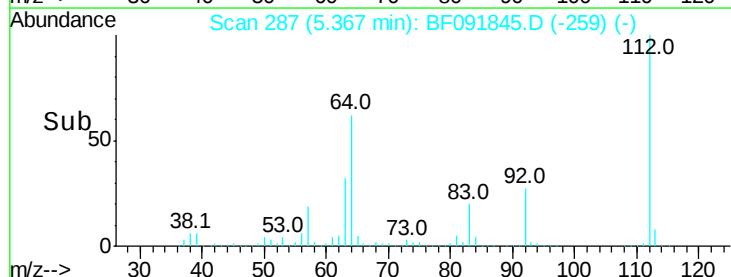
63 31.7 23.8 35.6

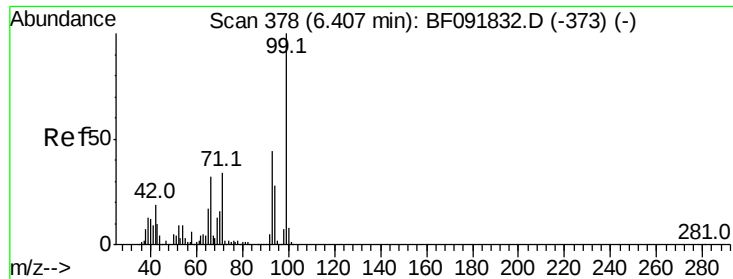


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 119.01 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF091845.D

Acq: 21 Dec 2016 20:40

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT1-2017

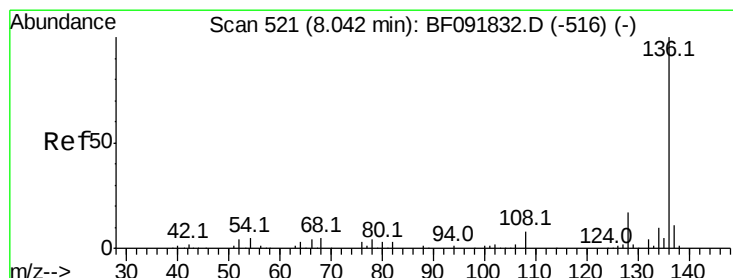
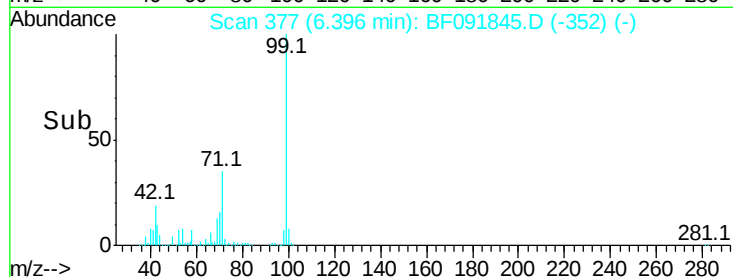
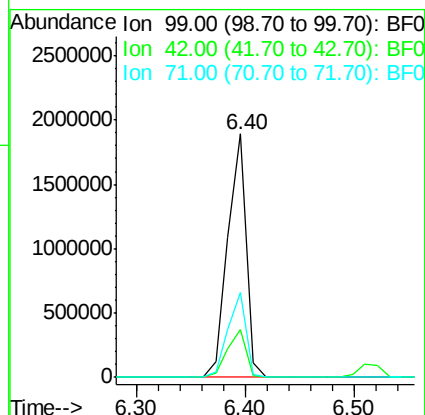
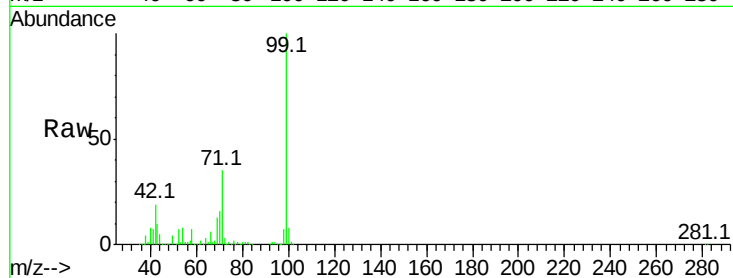
Tot Ion: 99 Resp: 2224200

Ion Ratio Lower Upper

99 100

42 19.5 15.6 23.4

71 35.0 27.5 41.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.01 min

Lab File: BF091845.D

Acq: 21 Dec 2016 20:40

Tgt Ion:136 Resp: 1081974

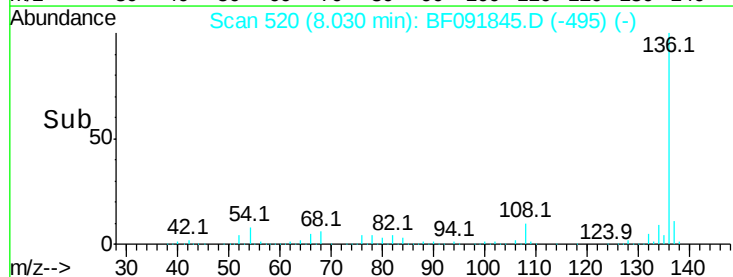
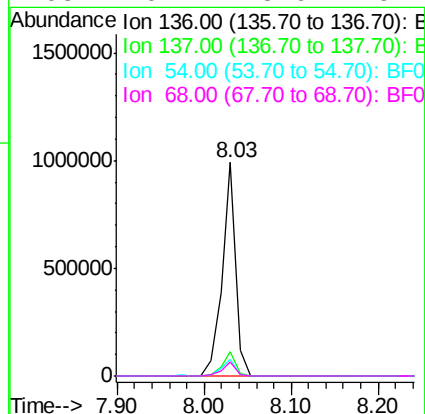
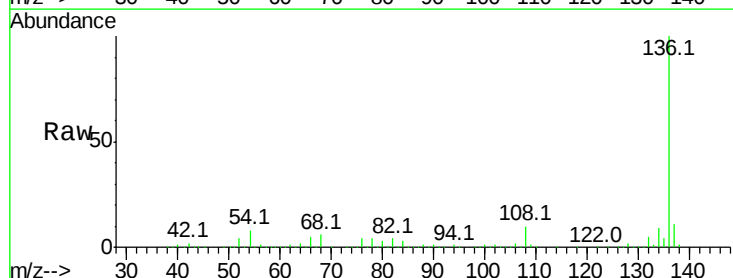
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 8.1 4.5 6.7#

68 6.4 3.6 5.4#



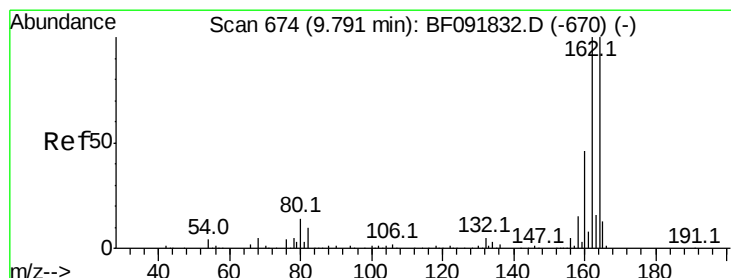
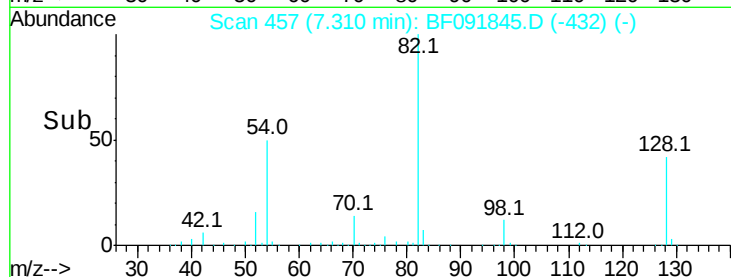
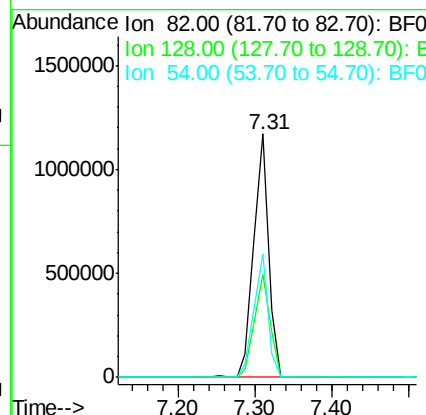
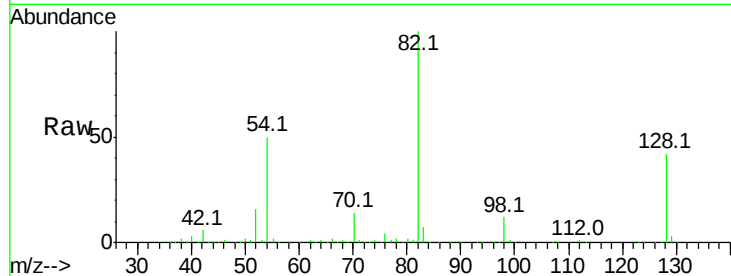


#23
 Nitrobenzene-d5
 Concen: 80.82 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: BF091845.D
 Acq: 21 Dec 2016 20:40

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

Tot Ion: 82 Resp: 1572648

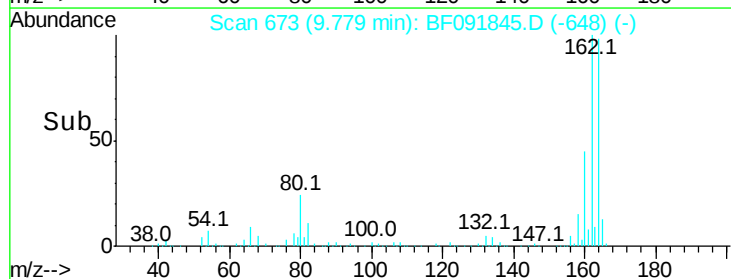
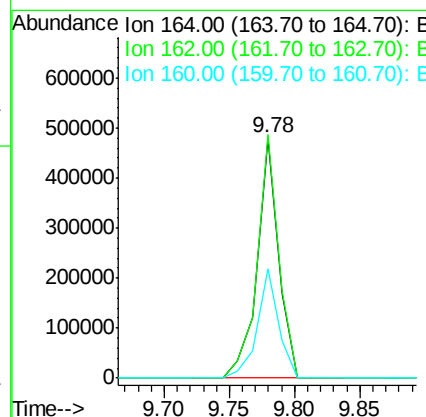
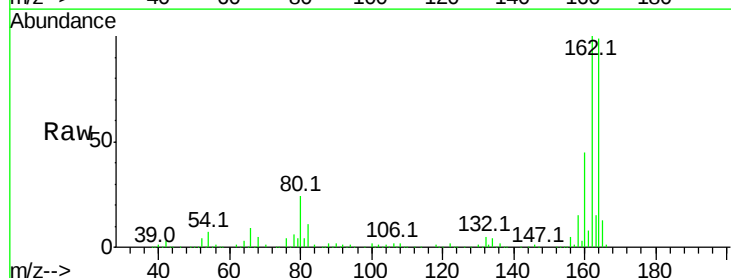
Ion	Ratio	Lower	Upper
82	100		
128	42.1	34.6	52.0
54	50.4	39.5	59.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.01 min
 Lab File: BF091845.D
 Acq: 21 Dec 2016 20:40

Tgt Ion:164 Resp: 553117

Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.2	120.2
160	45.6	36.9	55.3

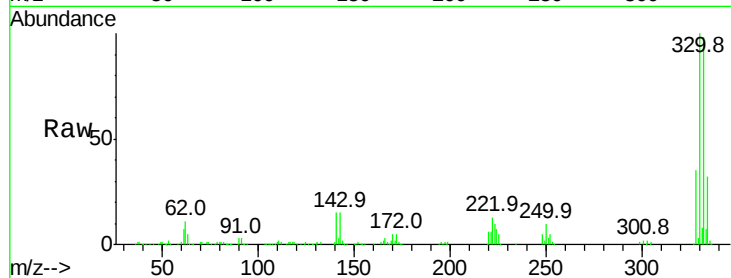




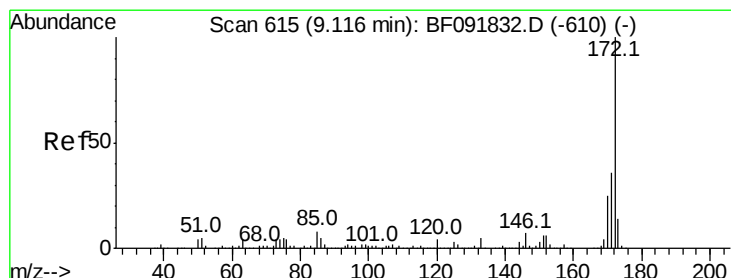
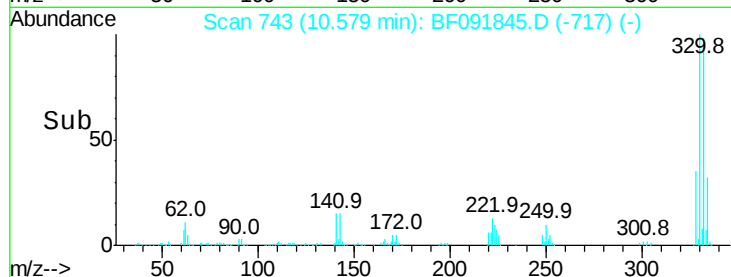
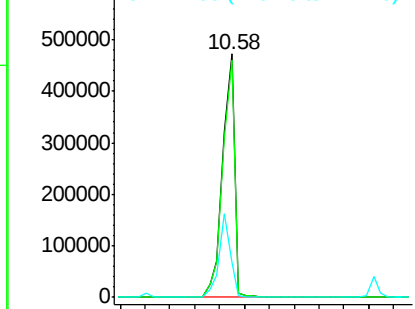
#41
 2,4,6-Tribromophenol
 Concen: 137.49 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.00 min
 Lab File: BF091845.D
 Acq: 21 Dec 2016 20:40

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

Tot Ion:330 Resp: 629374
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.4 116.2
 141 32.6 34.1 51.1#

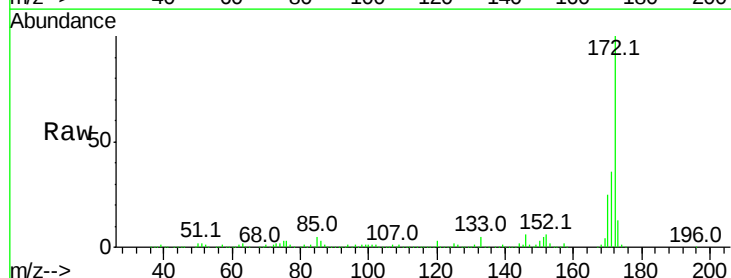


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

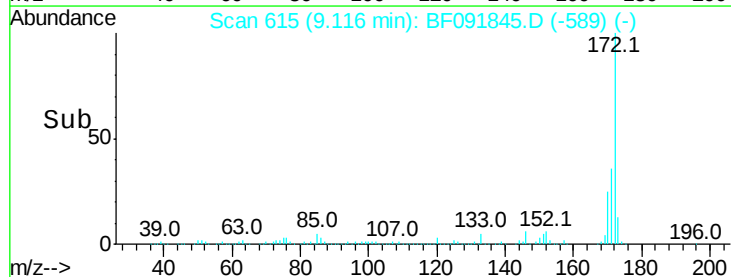
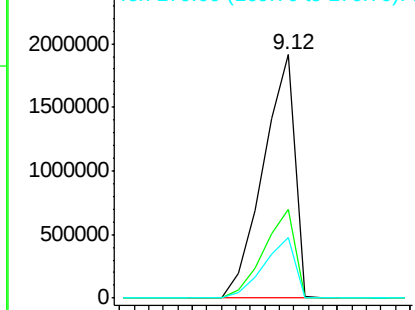


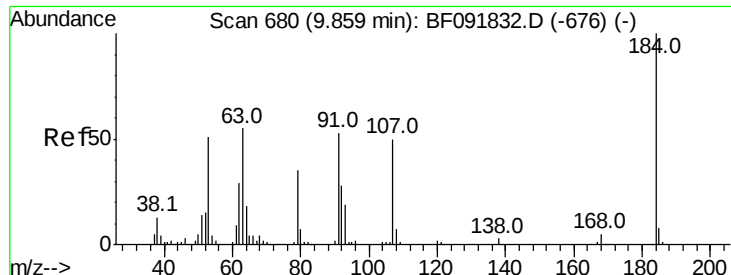
#44
 2-Fluorobiphenyl
 Concen: 111.49 ng
 RT: 9.12 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF091845.D
 Acq: 21 Dec 2016 20:40

Tgt Ion:172 Resp: 2901130
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.9 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

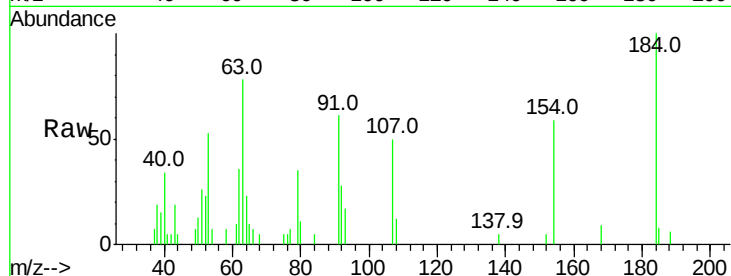




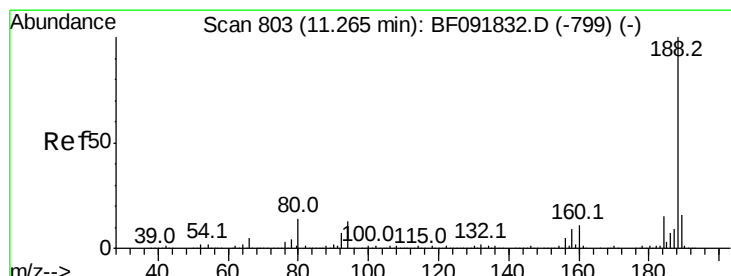
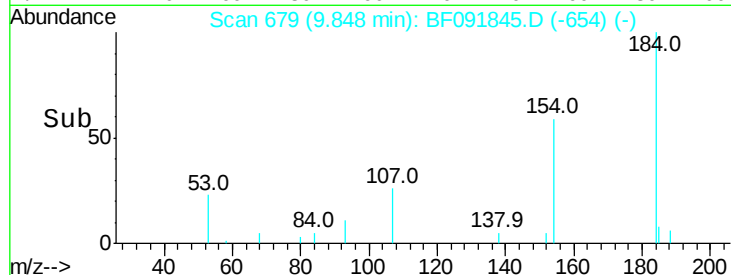
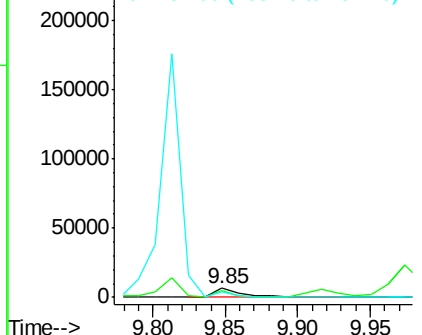
#53
 2,4-Dinitrophenol
 Concen: 1.90 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: BF091845.D
 Acq: 21 Dec 2016 20:40

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

Tot Ion:184 Resp: 8194
 Ion Ratio Lower Upper
 184 100
 63 78.0 28.4 42.6#
 154 58.7 44.3 66.5

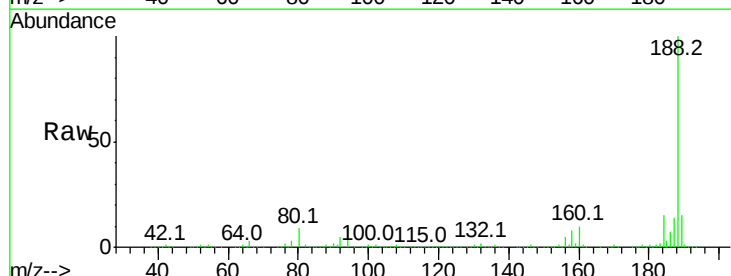


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

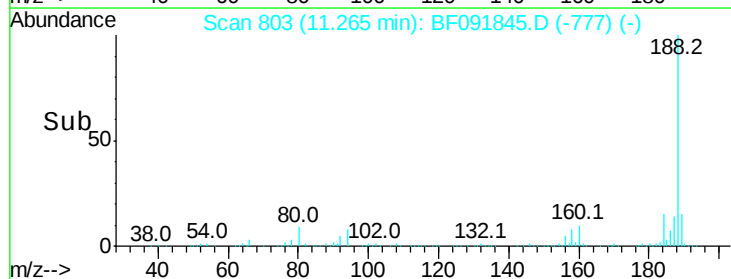
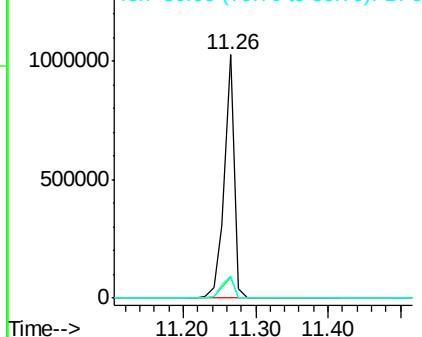


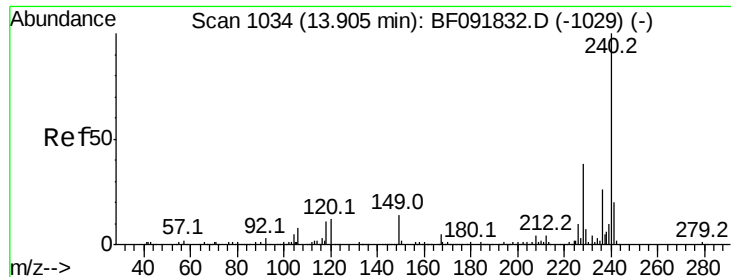
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF091845.D
 Acq: 21 Dec 2016 20:40

Tgt Ion:188 Resp: 985024
 Ion Ratio Lower Upper
 188 100
 94 8.7 10.0 15.0#
 80 9.1 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF091845.D

Acq: 21 Dec 2016 20:40

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT1-2017

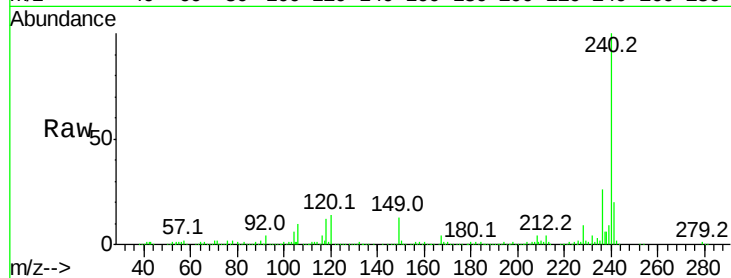
Tot Ion:240 Resp: 761337

Ion Ratio Lower Upper

240 100

120 14.3 12.9 19.3

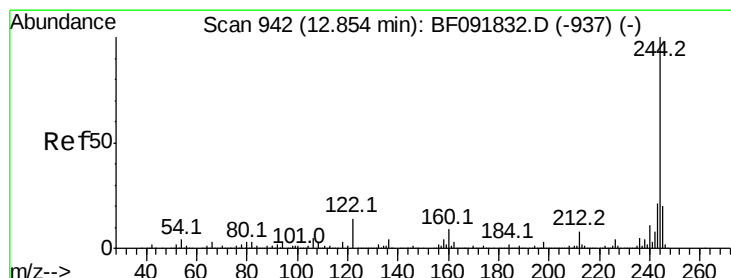
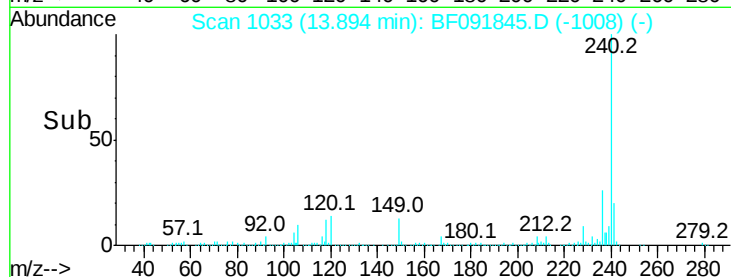
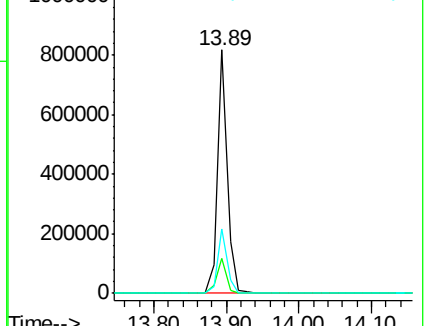
236 26.3 20.9 31.3



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



#78

Terphenyl-d14

Concen: 69.91 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF091845.D

Acq: 21 Dec 2016 20:40

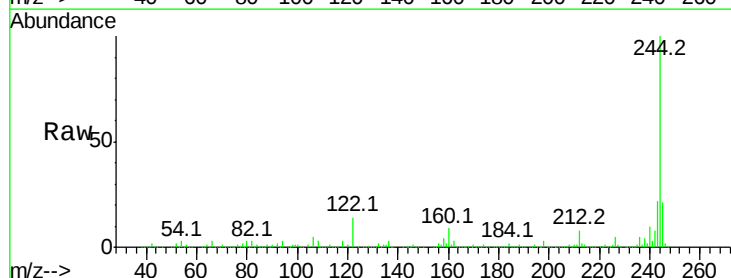
Tgt Ion:244 Resp: 2194507

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

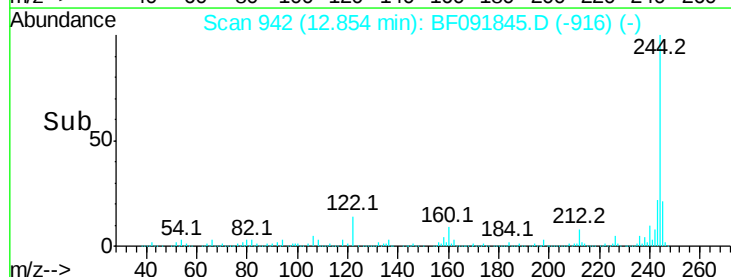
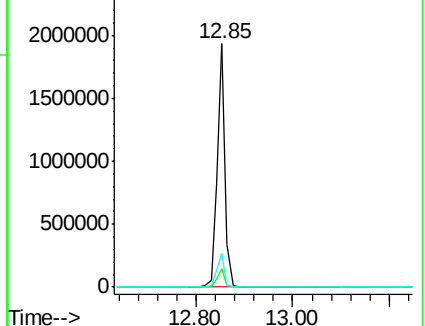
122 13.9 11.4 17.2

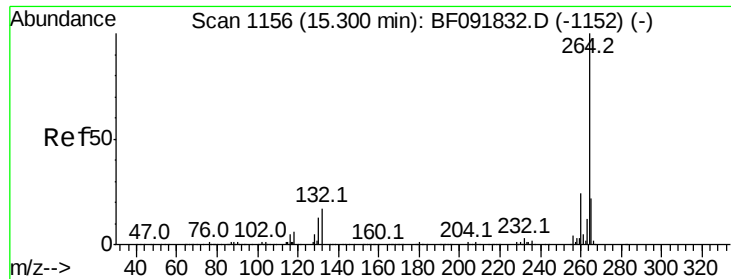


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.29 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: BF091845.D
 Acq: 21 Dec 2016 20:40

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

Tot Ion: 264 Resp: 719413
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 21.9 17.4 26.0

