

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122116\
 Data File : BF091846.D
 Acq On : 21 Dec 2016 21:07
 Operator : UM/SJ
 Sample : H6103-01
 Misc : LOD 8PPM
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Dec 22 03:20:34 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	262949	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	1095694	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	564038	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	986239	20.00	ng	0.00
75) Chrysene-d12	13.89	240	767648	20.00	ng	-0.01
86) Perylene-d12	15.29	264	729042	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1999766	126.99	ng	0.02
7) Phenol-d6	6.40	99	2246156	116.82	ng	-0.01
23) Nitrobenzene-d5	7.31	82	1635934	83.02	ng	-0.01
41) 2,4,6-Tribromophenol	10.58	330	634959	136.03	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	2970839	112.02	ng	0.00
78) Terphenyl-d14	12.85	244	2229774	70.45	ng	0.00

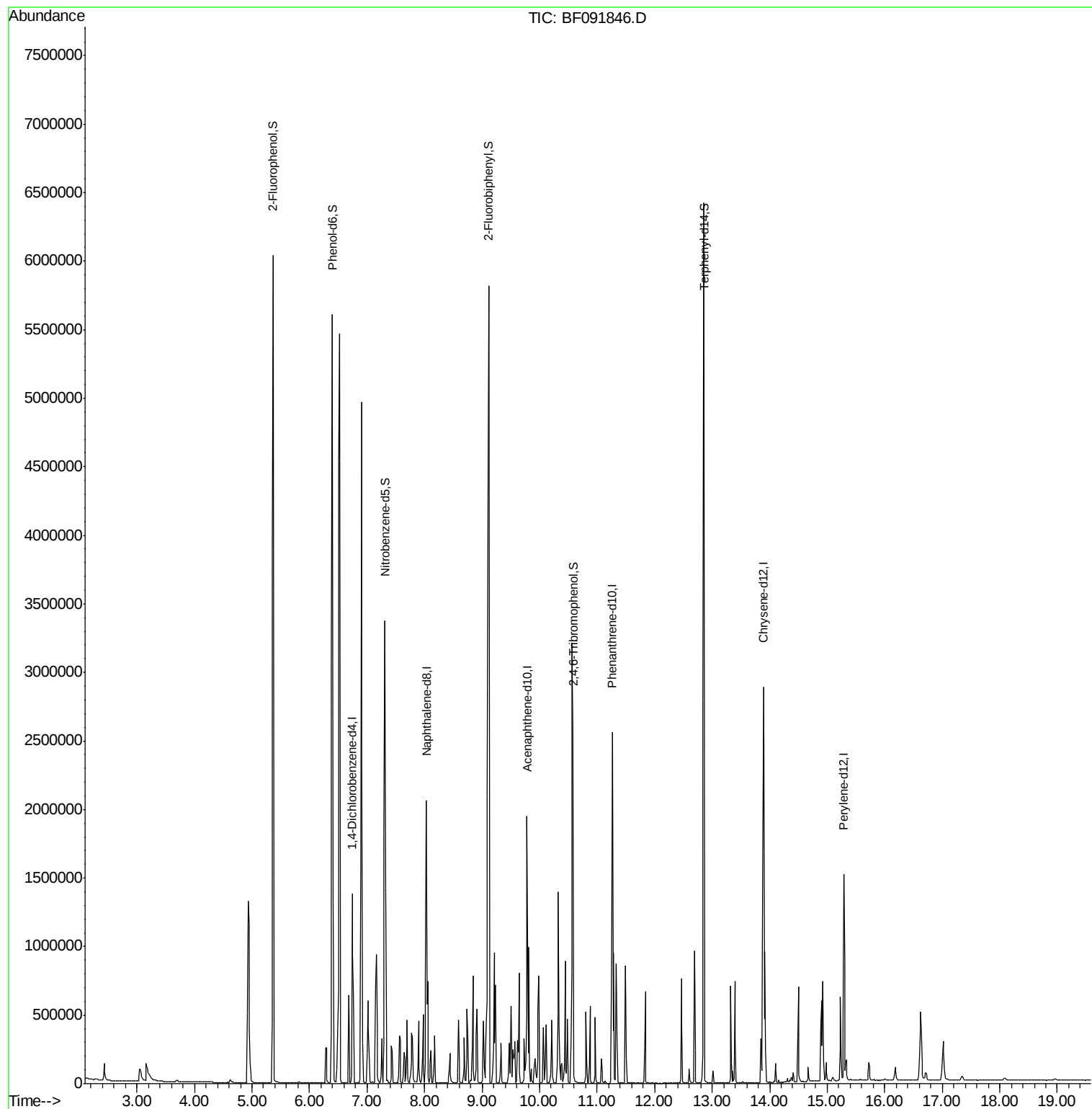
Target Compounds Qvalue

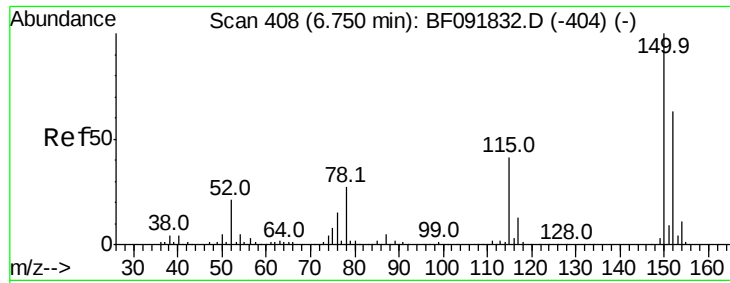
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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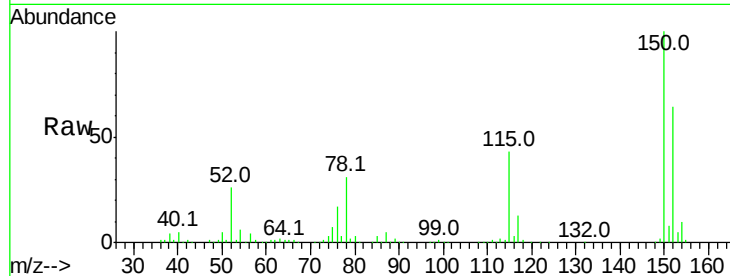


#1

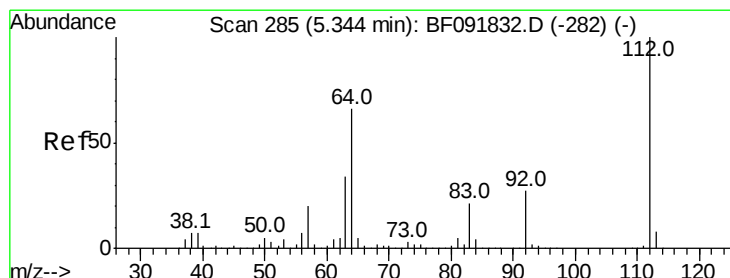
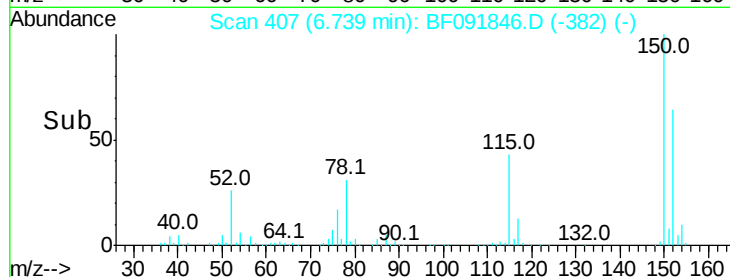
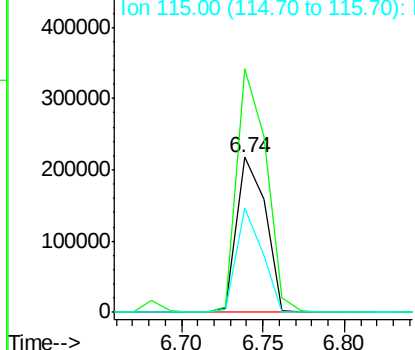
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.01 min
Lab File: BF091846.D
Acq: 21 Dec 2016 21:07

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

Tot Ion:152 Resp: 262949
Ion Ratio Lower Upper
152 100
150 157.3 124.9 187.3
115 66.9 46.0 69.0



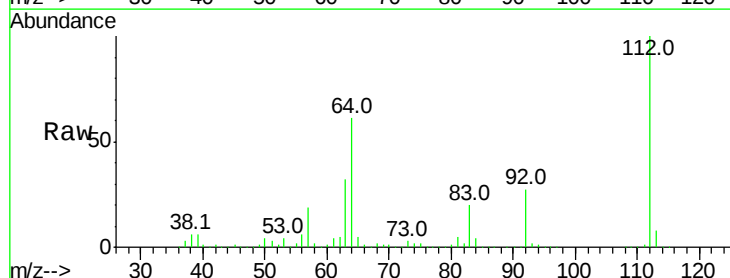
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



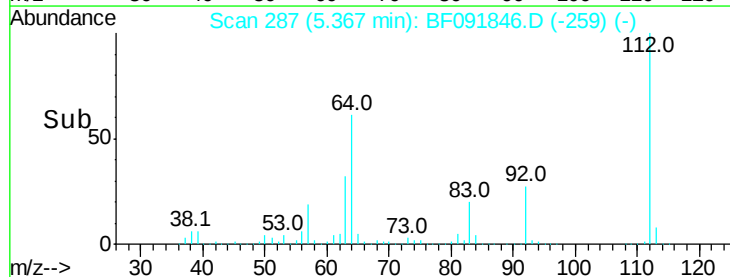
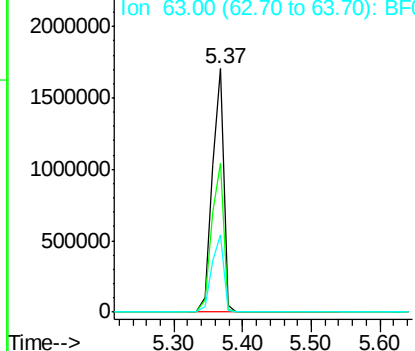
#5

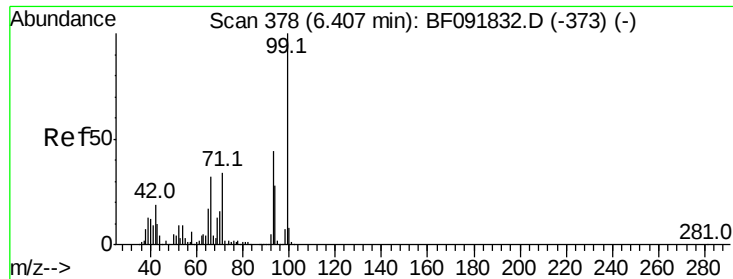
2-Fluorophenol
Concen: 126.99 ng
RT: 5.37 min Scan# 287
Delta R.T. 0.02 min
Lab File: BF091846.D
Acq: 21 Dec 2016 21:07

Tgt Ion:112 Resp: 1999766
Ion Ratio Lower Upper
112 100
64 60.9 46.1 69.1
63 31.8 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: 116.82 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF091846.D

Acq: 21 Dec 2016 21:07

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT1-2017

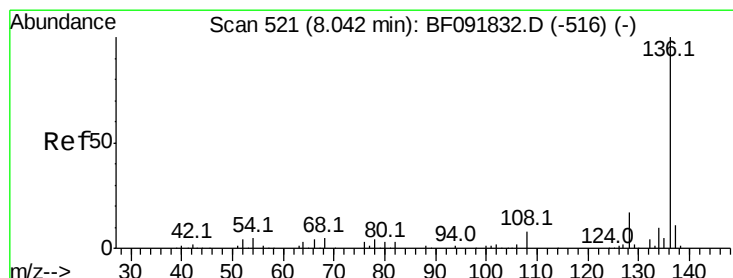
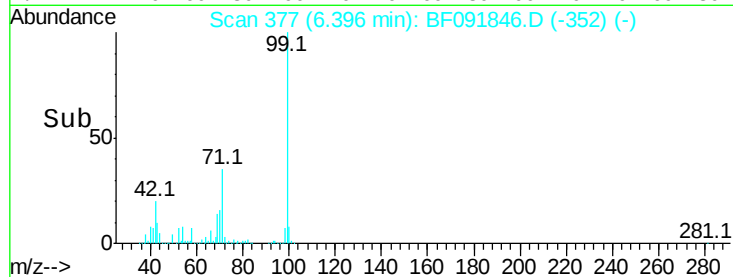
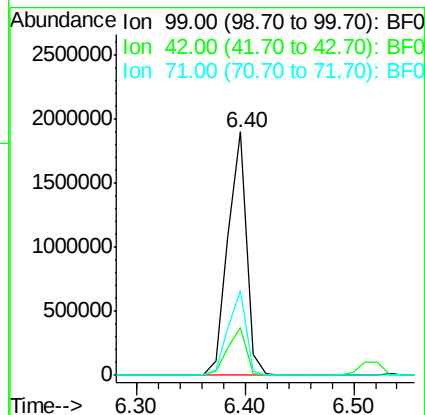
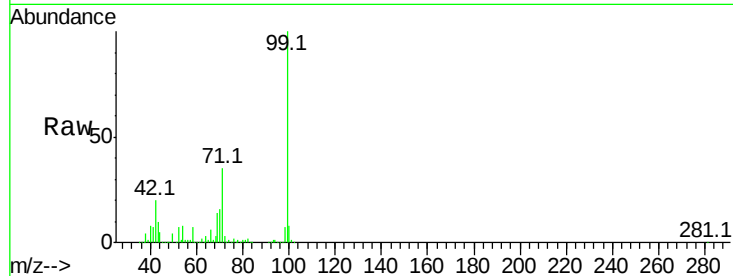
Tot Ion: 99 Resp: 2246156

Ion Ratio Lower Upper

99 100

42 19.7 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: BF091846.D

Acq: 21 Dec 2016 21:07

Tgt Ion: 136 Resp: 1095694

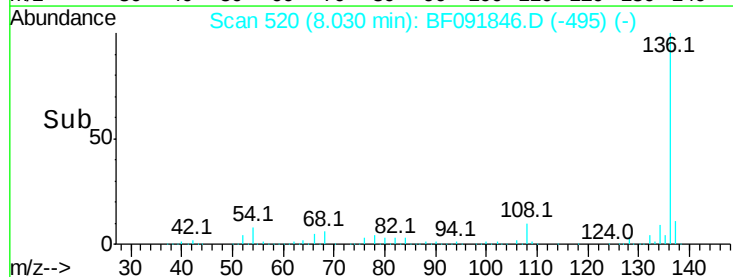
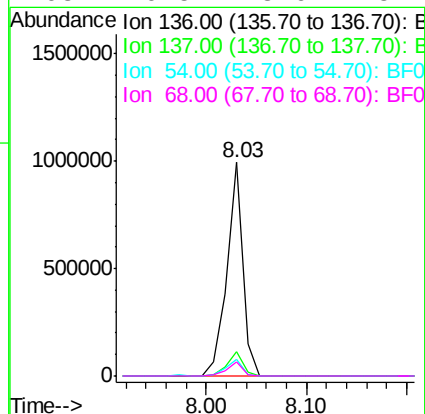
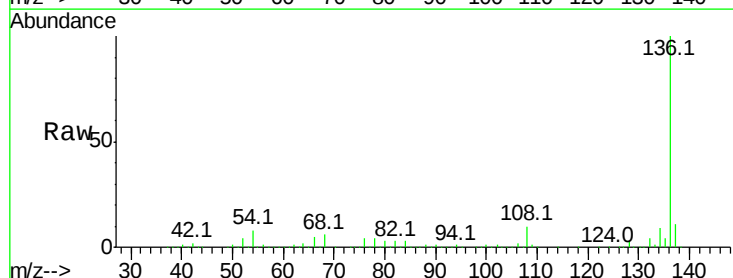
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 7.9 4.5 6.7#

68 6.5 3.6 5.4#



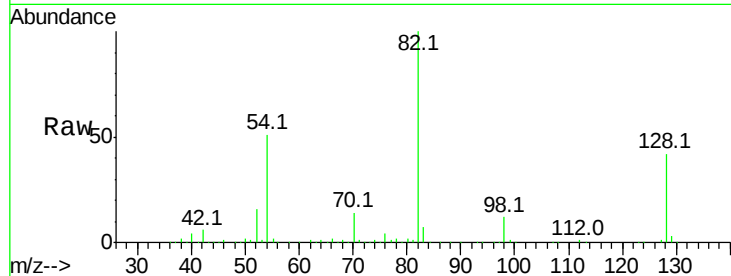


#23
 Nitrobenzene-d5
 Concen: 83.02 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: BF091846.D
 Acq: 21 Dec 2016 21:07

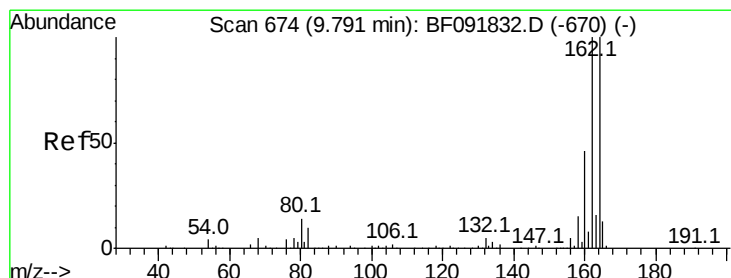
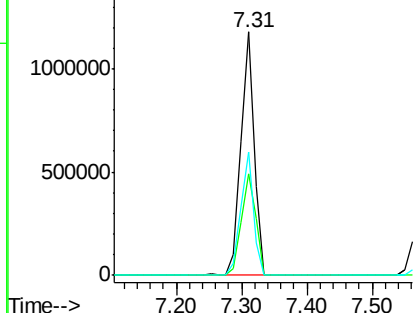
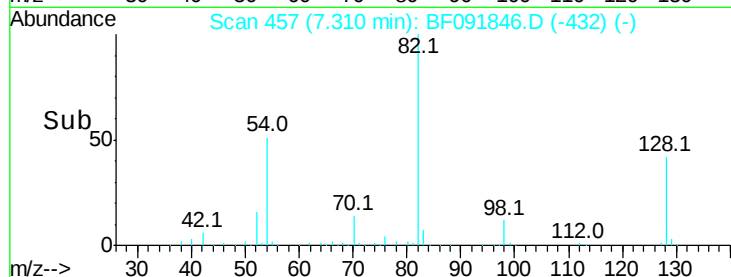
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

Tot Ion: 82 Resp: 1635934

Ion	Ratio	Lower	Upper
82	100		
128	41.6	34.6	52.0
54	50.7	39.5	59.3



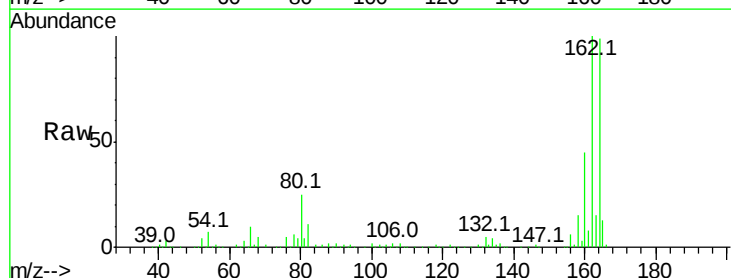
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0



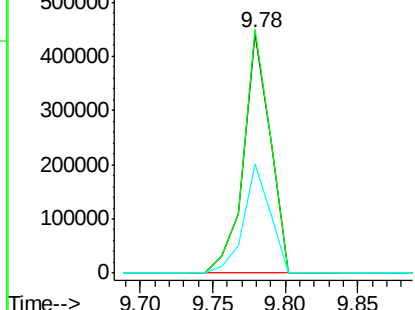
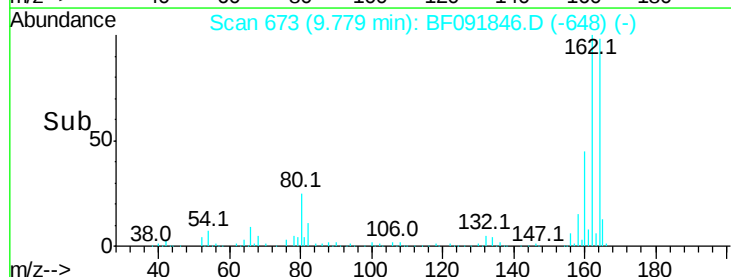
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.01 min
 Lab File: BF091846.D
 Acq: 21 Dec 2016 21:07

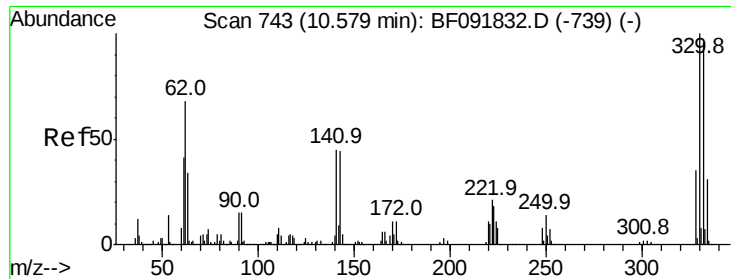
Tgt Ion:164 Resp: 564038

Ion	Ratio	Lower	Upper
164	100		
162	101.3	80.2	120.2
160	45.3	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

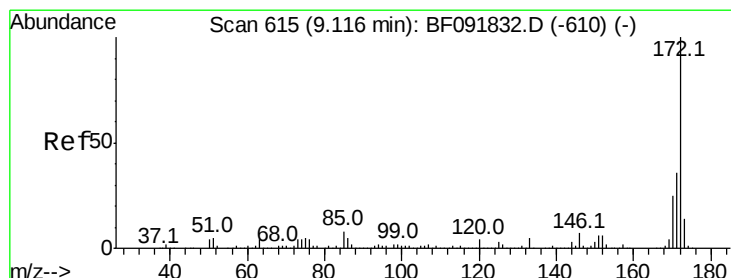
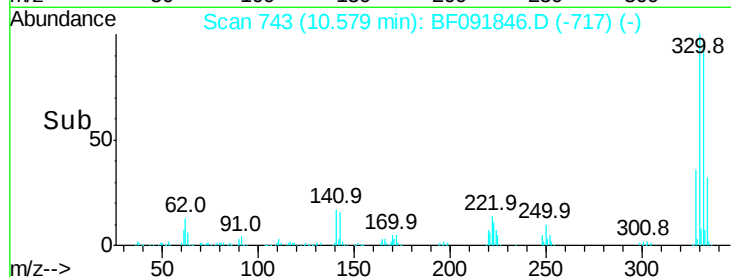
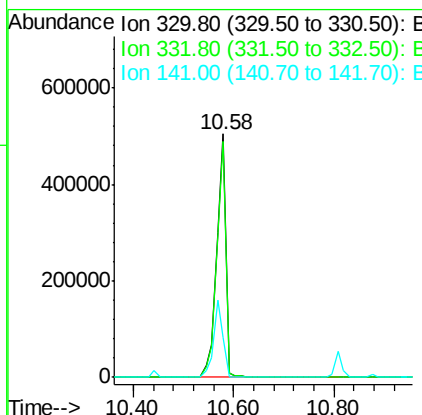
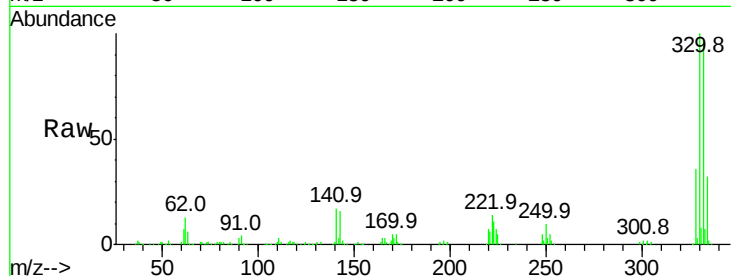




#41
 2,4,6-Tribromophenol
 Concen: 136.03 ng
 RT: 10.58 min Scan# 743
 Delta R.T. 0.00 min
 Lab File: BF091846.D
 Acq: 21 Dec 2016 21:07

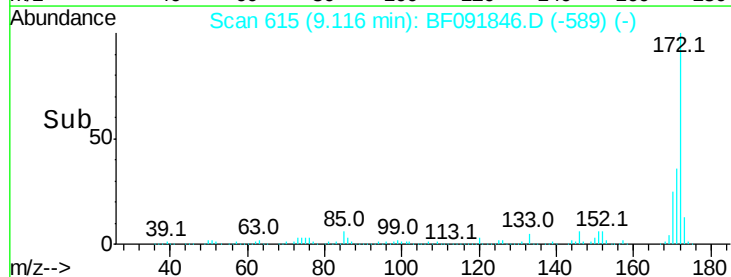
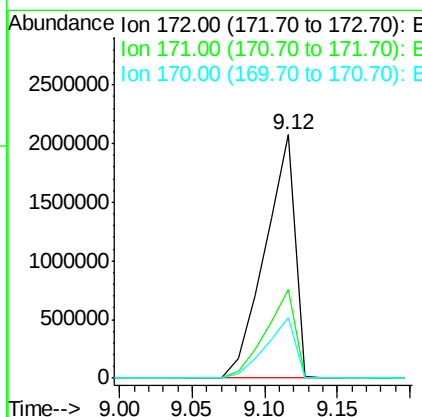
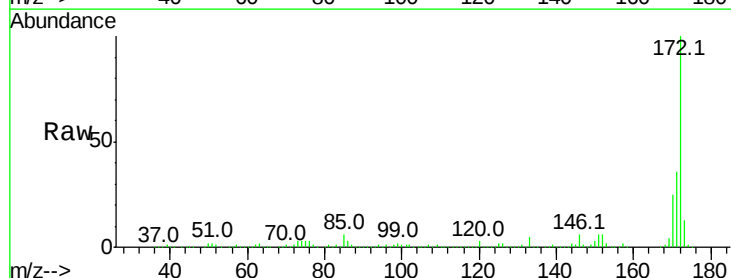
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT1-2017

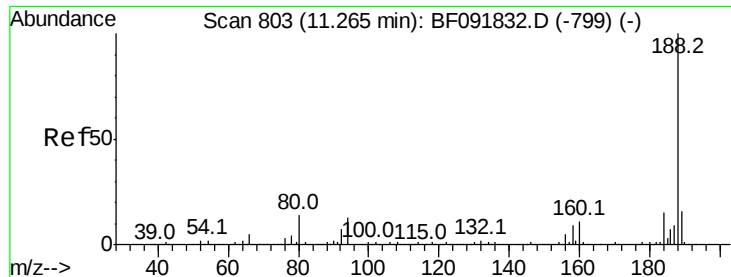
Tot Ion:330 Resp: 634959
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.4 116.2
 141 33.3 34.1 51.1#



#44
 2-Fluorobiphenyl
 Concen: 112.02 ng
 RT: 9.12 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF091846.D
 Acq: 21 Dec 2016 21:07

Tgt Ion:172 Resp: 2970839
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.6 20.2 30.4

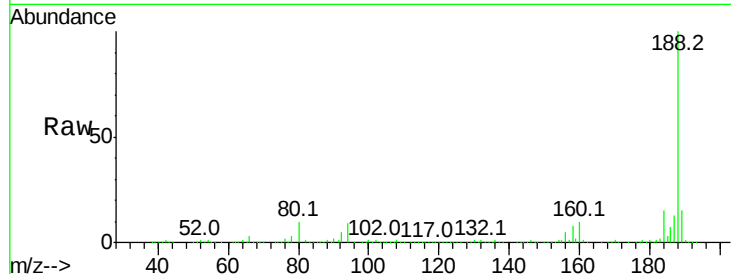




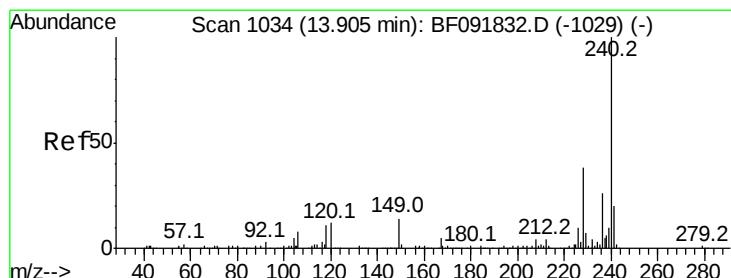
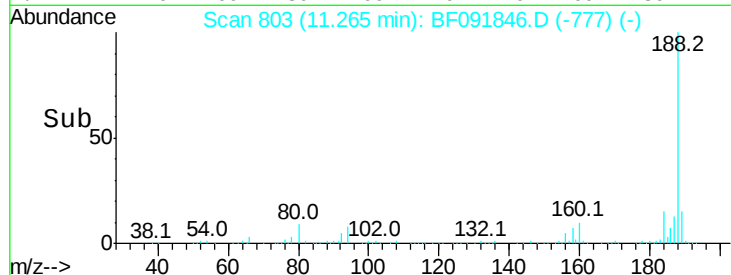
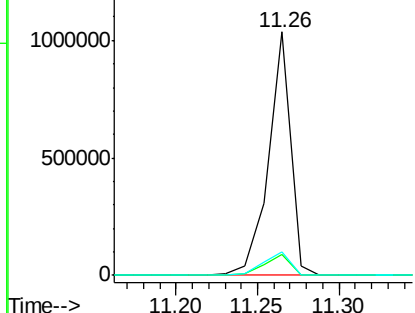
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF091846.D
Acq: 21 Dec 2016 21:07

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

Tot Ion:188 Resp: 986239
Ion Ratio Lower Upper
188 100
94 8.8 10.0 15.0#
80 9.6 11.2 16.8#

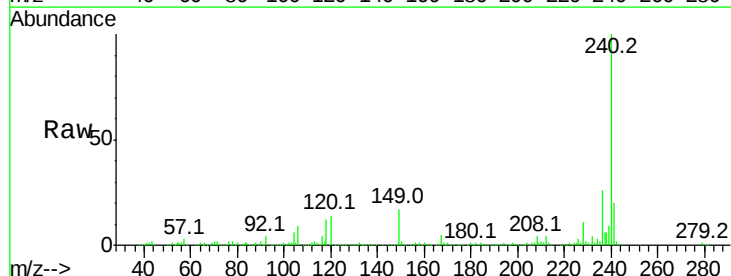


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

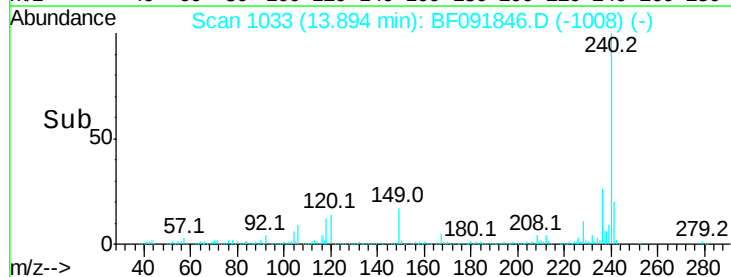
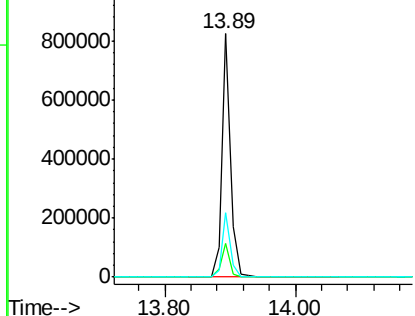


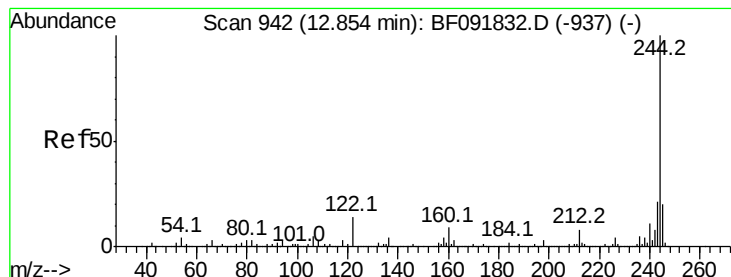
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF091846.D
Acq: 21 Dec 2016 21:07

Tgt Ion:240 Resp: 767648
Ion Ratio Lower Upper
240 100
120 13.9 12.9 19.3
236 26.5 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: 70.45 ng

RT: 12.85 min Scan# 942

Delta R.T. 0.00 min

Lab File: BF091846.D

Acq: 21 Dec 2016 21:07

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT1-2017

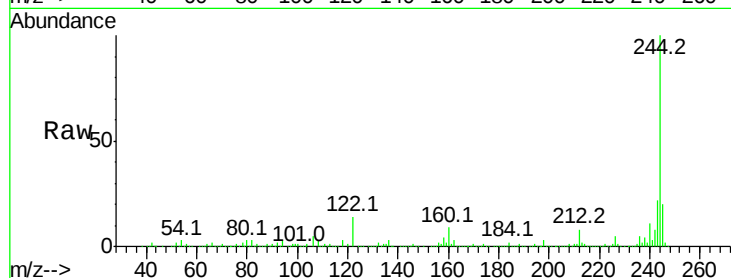
Tot Ion:244 Resp: 2229774

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

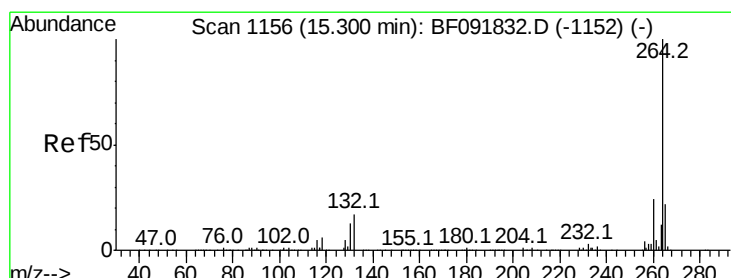
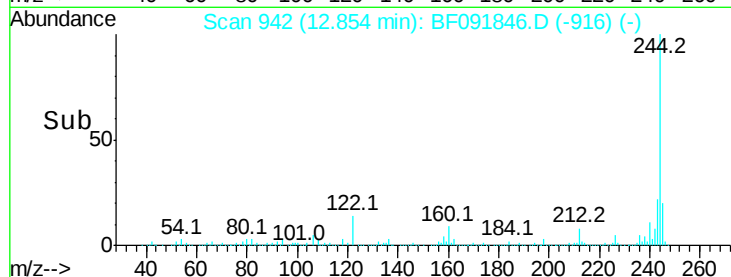
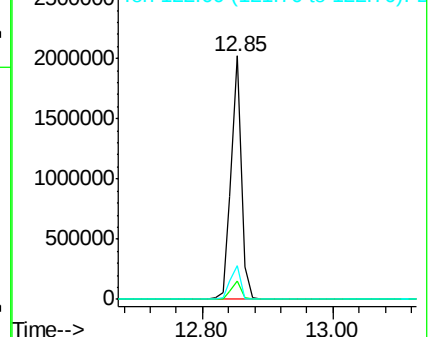
122 13.6 11.4 17.2



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: 15.29 min Scan# 1155

Delta R.T. -0.01 min

Lab File: BF091846.D

Acq: 21 Dec 2016 21:07

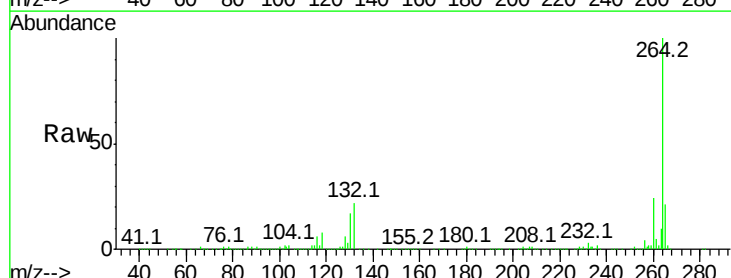
Tgt Ion:264 Resp: 729042

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.3 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

