

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040216\
 Data File : BF085982.D
 Acq On : 2 Apr 2016 1:08
 Operator : UM/SJ
 Sample : H1824-03
 Misc : LOD 8PPM
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Apr 02 01:43:38 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	105895	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	422928	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	201497	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	392975	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	357149	20.00	ng	0.00
86) Perylene-d12	15.33	264	306032	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	759623	122.61	ng	0.00
7) Phenol-d6	6.42	99	1021660	129.83	ng	0.00
23) Nitrobenzene-d5	7.34	82	624378	87.06	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	276115	146.00	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1102436	90.97	ng	0.00
78) Terphenyl-d14	12.88	244	1079950	71.08	ng	0.00

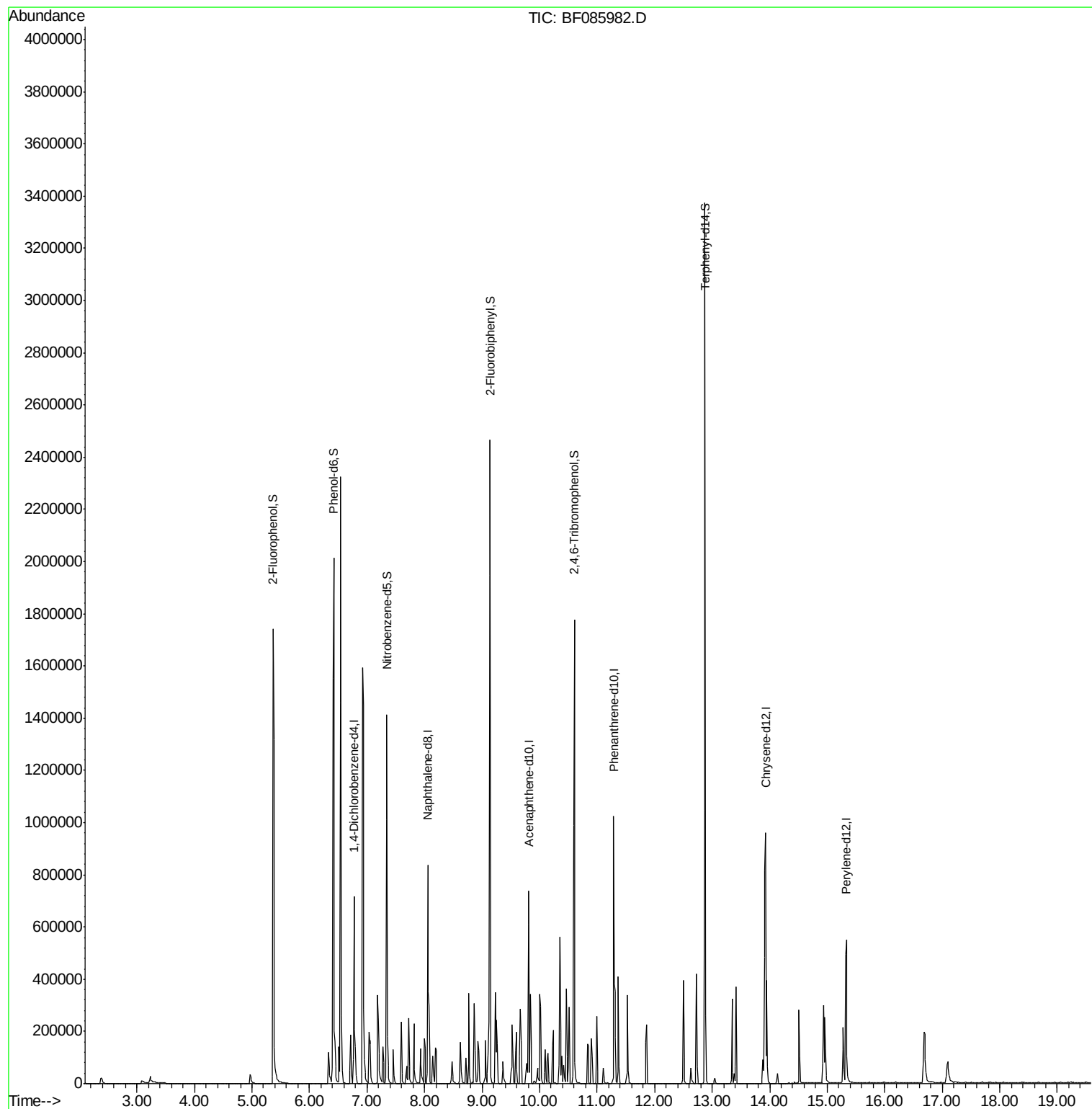
Target Compounds Qvalue

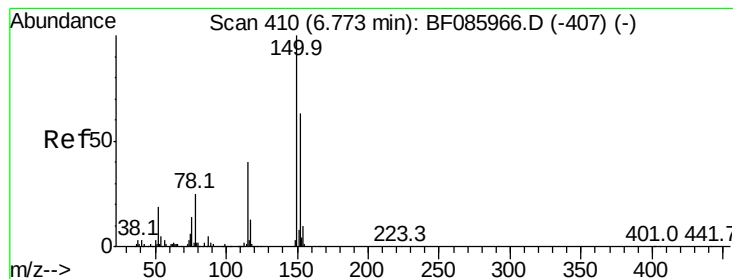
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040216\
Data File : BF085982.D
Acq On : 2 Apr 2016 1:08
Operator : UM/SJ
Sample : H1824-03
Misc : LOD 8PPM
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

Quant Time: Apr 02 01:43:38 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 01 23:17:06 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

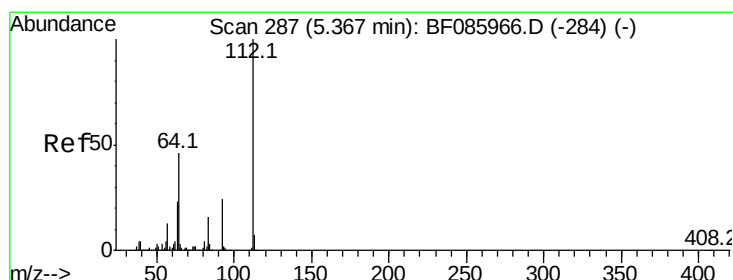
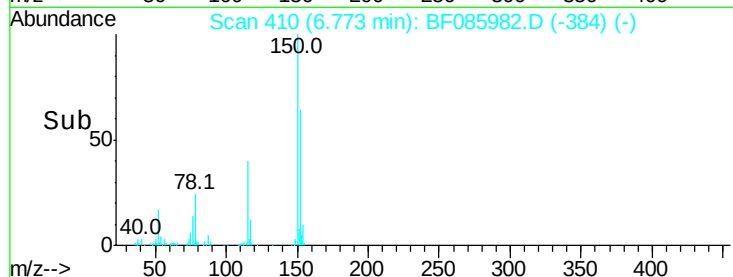
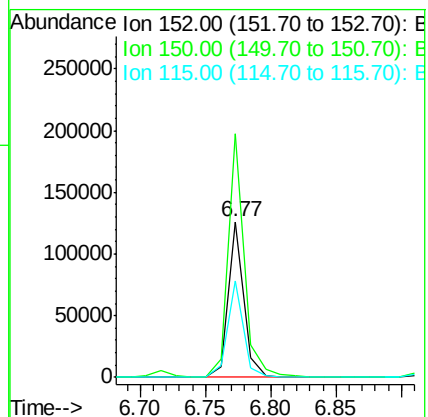
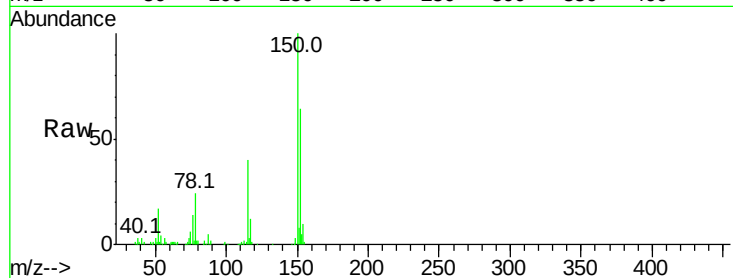
Tot Ion:152 Resp: 105895

Ion Ratio Lower Upper

152 100

150 156.7 124.2 186.2

115 61.9 47.0 70.6



#5

2-Fluorophenol

Concen: 122.61 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

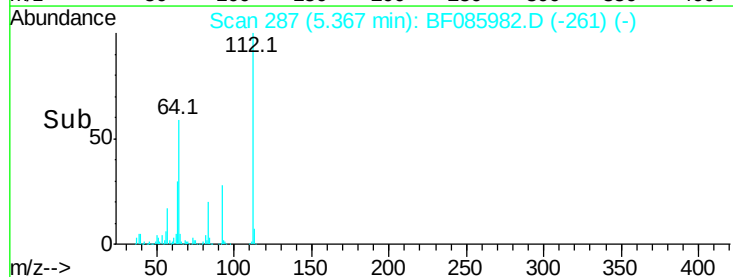
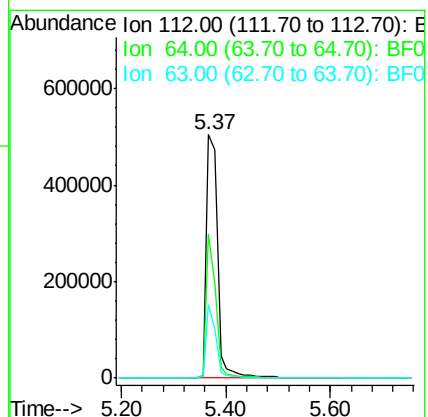
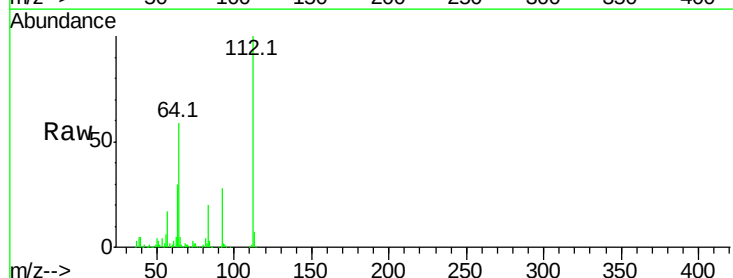
Tgt Ion:112 Resp: 759623

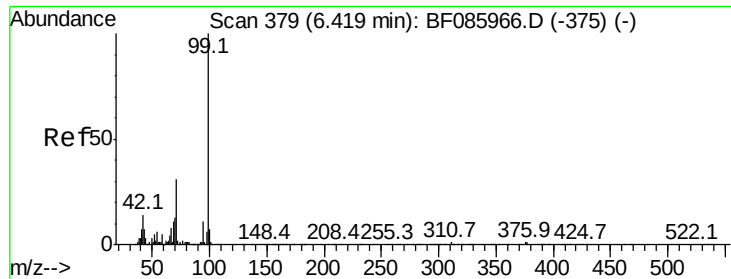
Ion Ratio Lower Upper

112 100

64 59.3 39.9 59.9

63 30.2 20.2 30.2





#7

Phenol-d6

Concen: 129.83 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

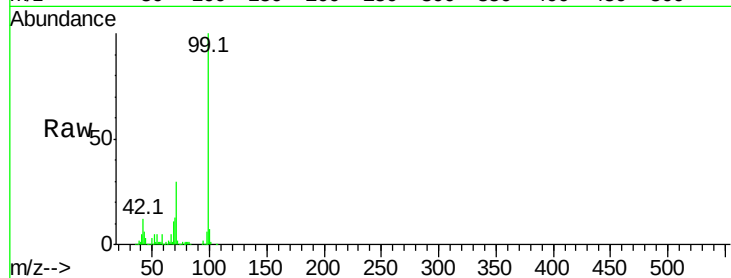
Tot Ion: 99 Resp: 1021660

Ion Ratio Lower Upper

99 100

42 12.2 11.1 16.7

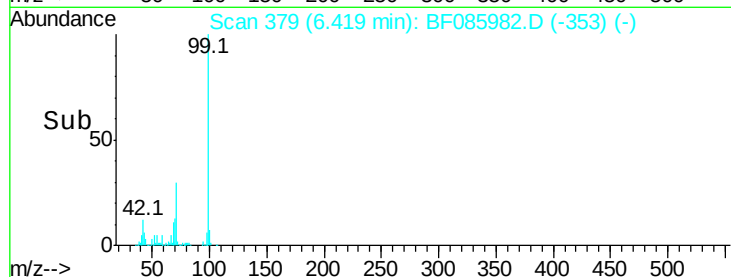
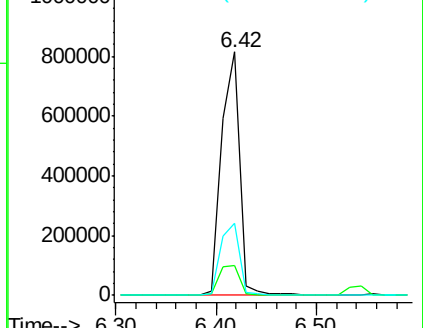
71 29.6 24.9 37.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Tgt Ion: 136 Resp: 422928

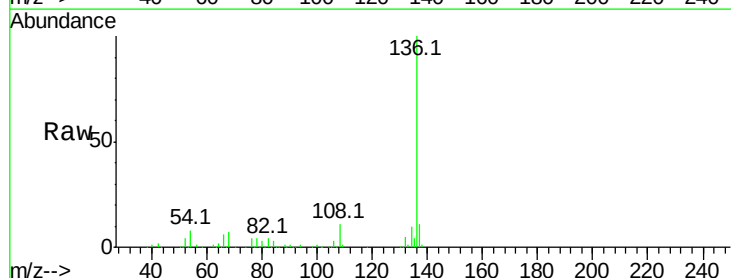
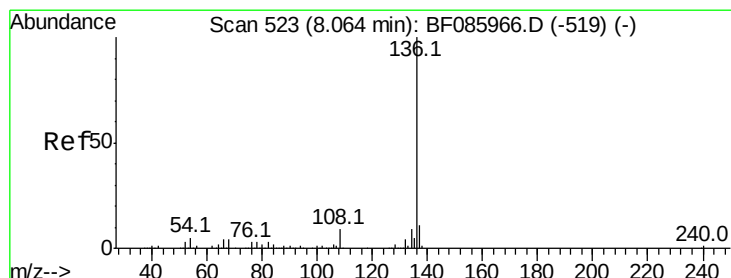
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 7.9 7.4 11.0

68 6.7 5.8 8.8

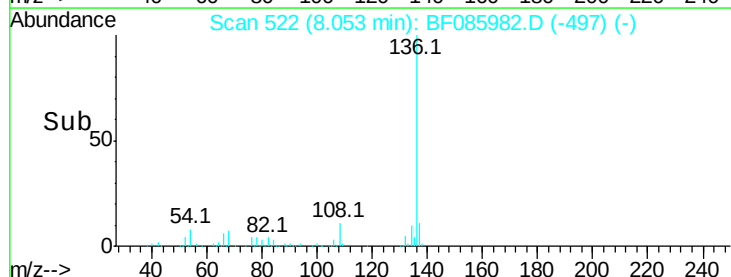
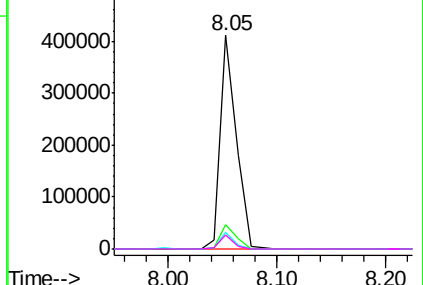


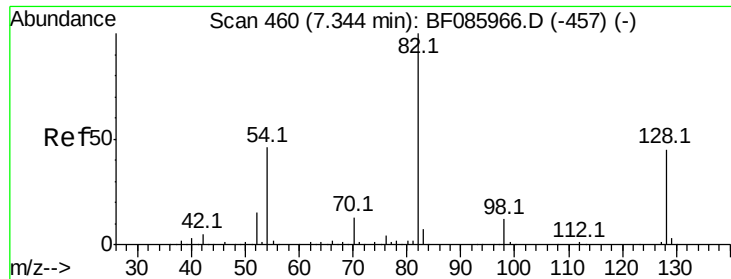
Abundance Ion 136.00 (135.70 to 136.70): E

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

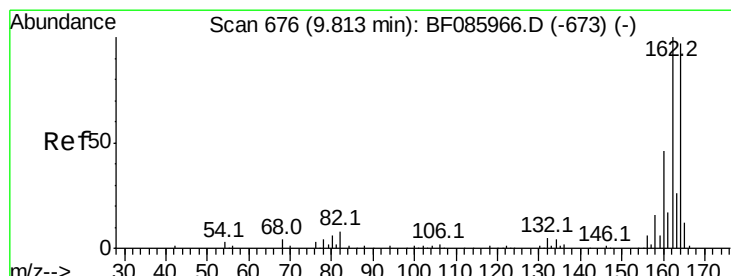
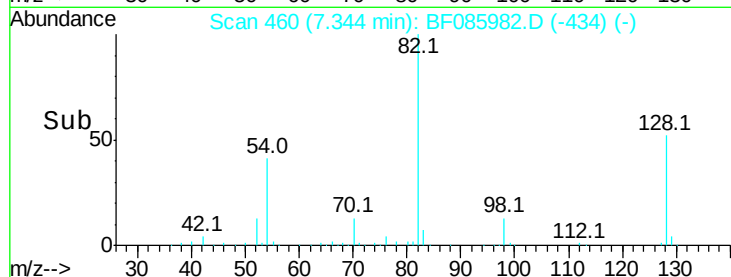
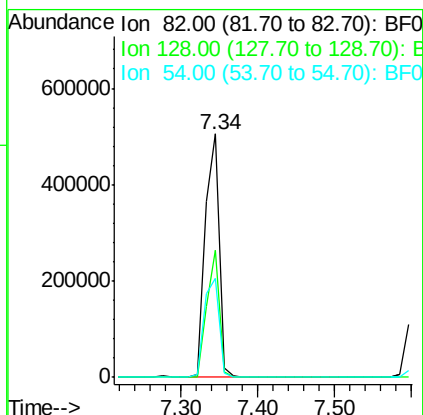
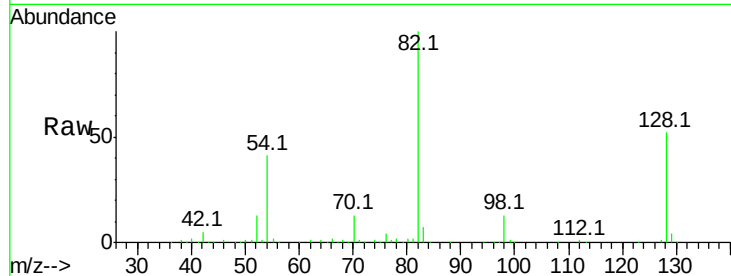




#23
 Nitrobenzene-d5
 Concen: 87.06 ng
 RT: 7.34 min Scan# 460
 Delta R.T. 0.00 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

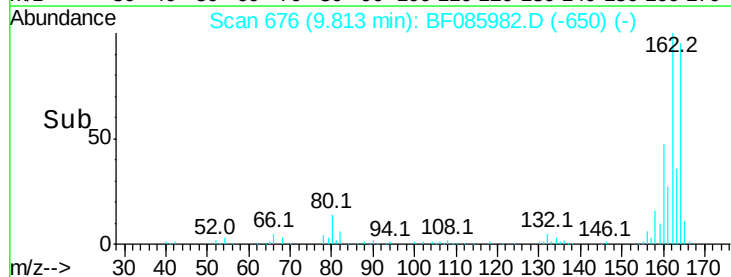
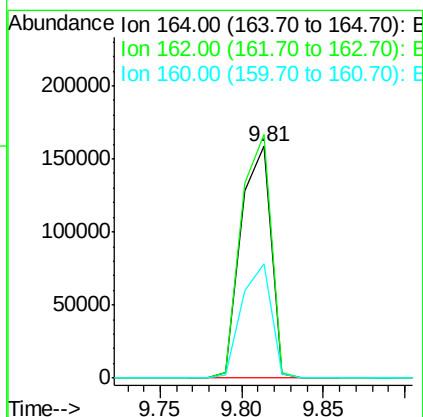
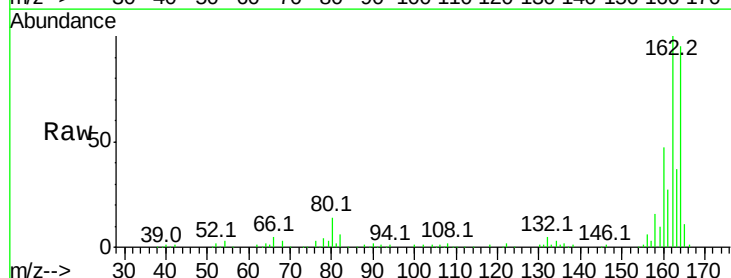
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

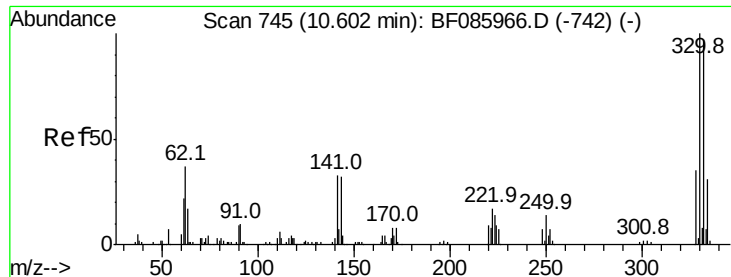
Tot Ion: 82 Resp: 624378
 Ion Ratio Lower Upper
 82 100
 128 52.3 41.8 62.8
 54 40.8 33.4 50.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

Tgt Ion:164 Resp: 201497
 Ion Ratio Lower Upper
 164 100
 162 105.1 82.1 123.1
 160 49.2 37.4 56.2

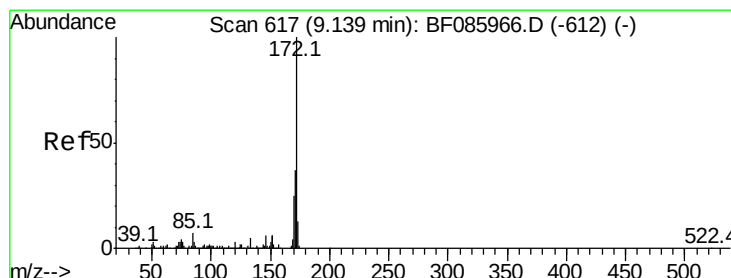
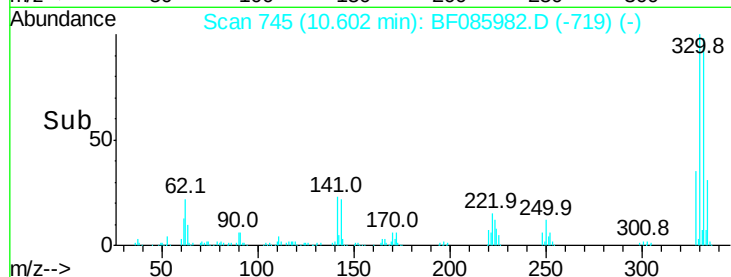
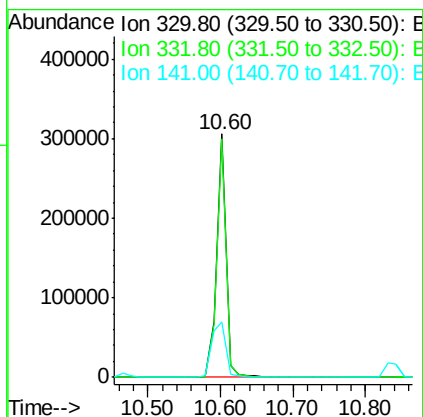
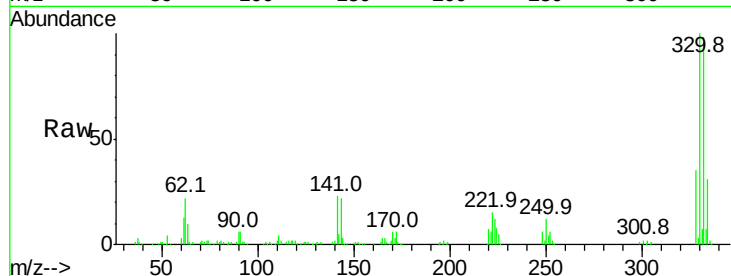




#41
 2,4,6-Tribromophenol
 Concen: 146.00 ng
 RT: 10.60 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

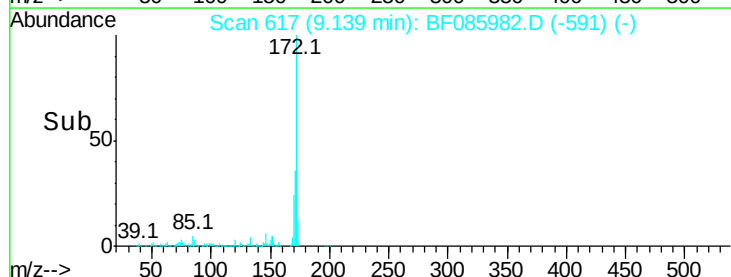
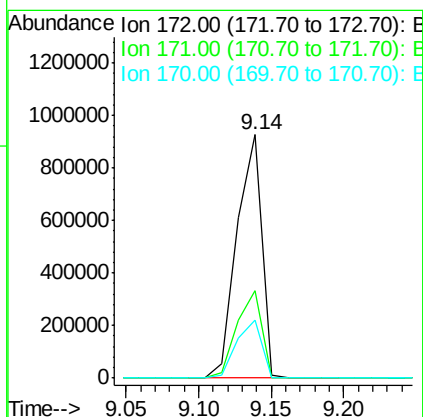
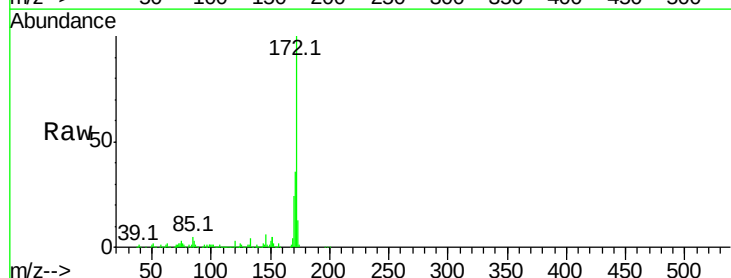
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

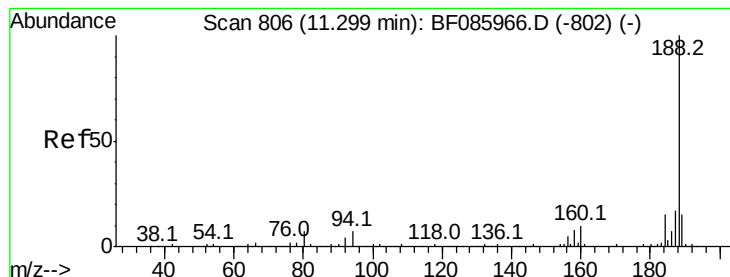
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.2	117.2
141	34.7	31.5	47.3



#44
 2-Fluorobiphenyl
 Concen: 90.97 ng
 RT: 9.14 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: BF085982.D
 Acq: 2 Apr 2016 1:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.4	44.2
170	24.0	19.8	29.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

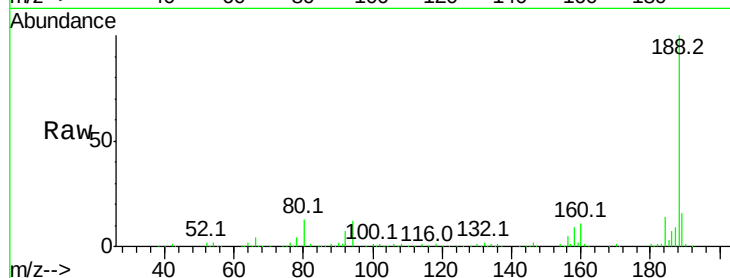
Tot Ion:188 Resp: 392975

Ion Ratio Lower Upper

188 100

94 12.3 5.4 8.0#

80 13.1 5.5 8.3#

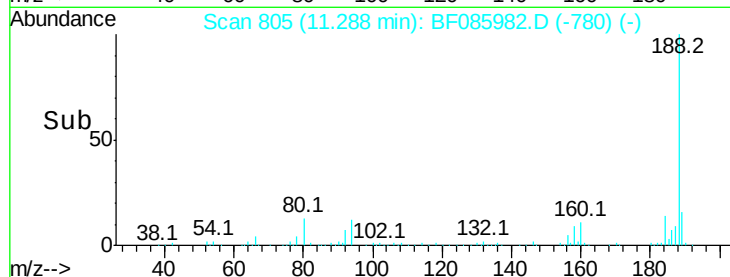


Abundance Ion 188.00 (187.70 to 188.70): E

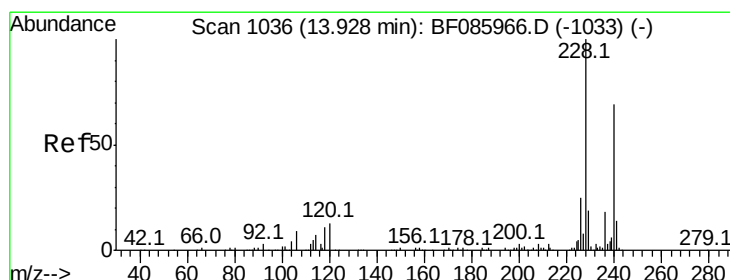
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time-->



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

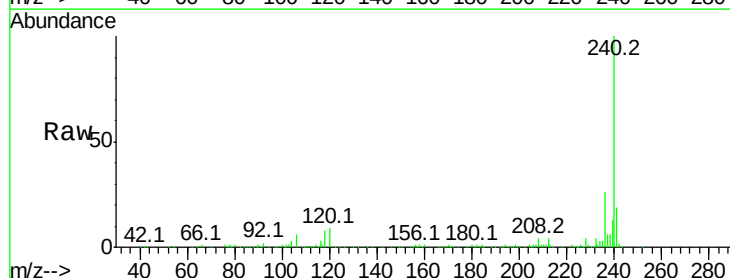
Tgt Ion:240 Resp: 357149

Ion Ratio Lower Upper

240 100

120 9.4 13.8 20.8#

236 26.4 20.6 30.8

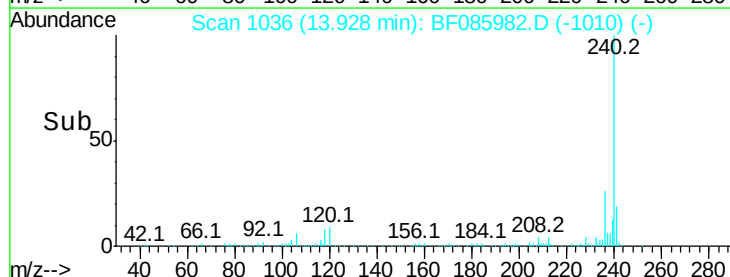


Abundance Ion 240.00 (239.70 to 240.70): E

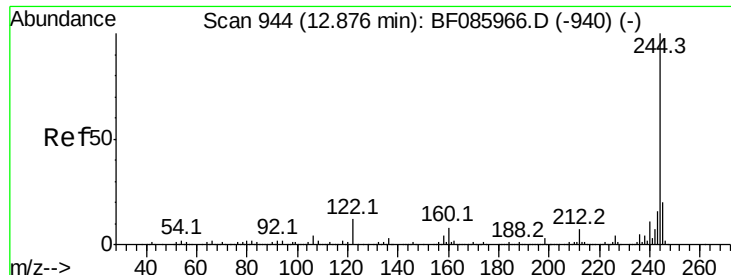
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->



Time-->



#78

Terphenyl-d14

Concen: 71.08 ng

RT: 12.88 min Scan# 944

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

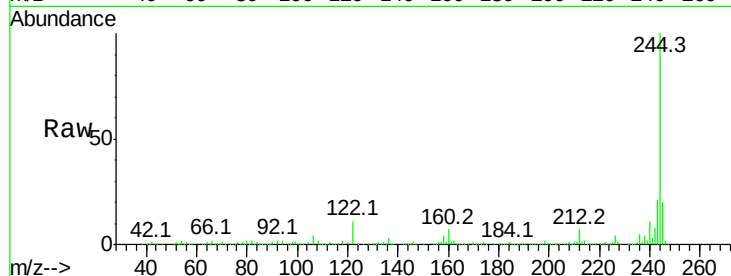
Tot Ion:244 Resp: 1079950

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

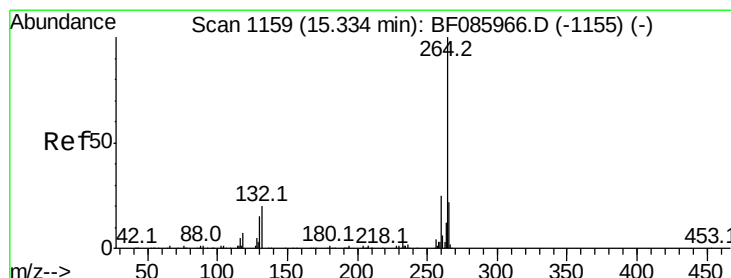
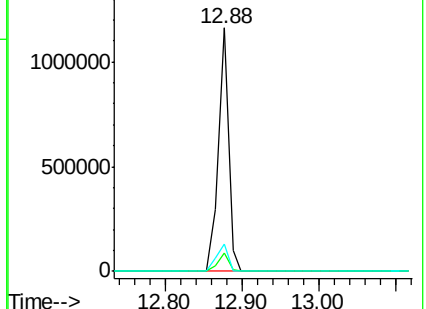
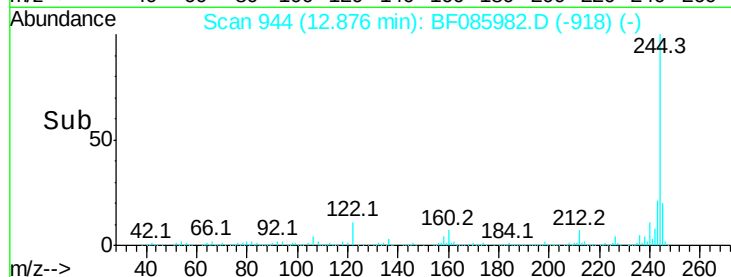
122 11.2 10.2 15.4



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: 15.33 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BF085982.D

Acq: 2 Apr 2016 1:08

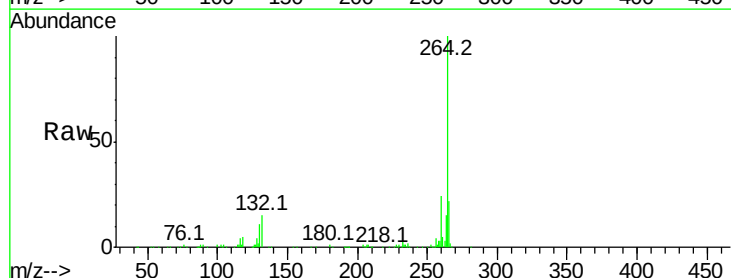
Tgt Ion:264 Resp: 306032

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

265 21.8 17.2 25.8



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

