

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040216\
 Data File : BF085980.D
 Acq On : 2 Apr 2016 00:10
 Operator : UM/SJ
 Sample : H1824-03
 Misc : LOD 2PPM
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Manual Integrations
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Sohil
 4/4/2016 7:39:05 PM

Quant Time: Apr 02 01:34:42 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	104680	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	421492	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	193545	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	394723	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	353533	20.00	ng	0.00
86) Perylene-d12	15.33	264	301530	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	786121	128.36	ng	0.01
7) Phenol-d6	6.42	99	1028144	132.17	ng	0.00
23) Nitrobenzene-d5	7.34	82	608956	85.20	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	284985	156.88	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1082995	93.04	ng	0.00
78) Terphenyl-d14	12.88	244	1113331	74.03	ng	0.00
Target Compounds						
55) 4-Nitrophenol	10.01	139	2022m	0.94	ng	Qvalue
64) 4,6-Dinitro-2-methylphenol	10.43	198	765	0.32	ng	83
69) Pentachlorophenol	11.12	266	730	0.37	ng	95
76) Benzidine	12.64	184	8373	0.67	ng	98

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

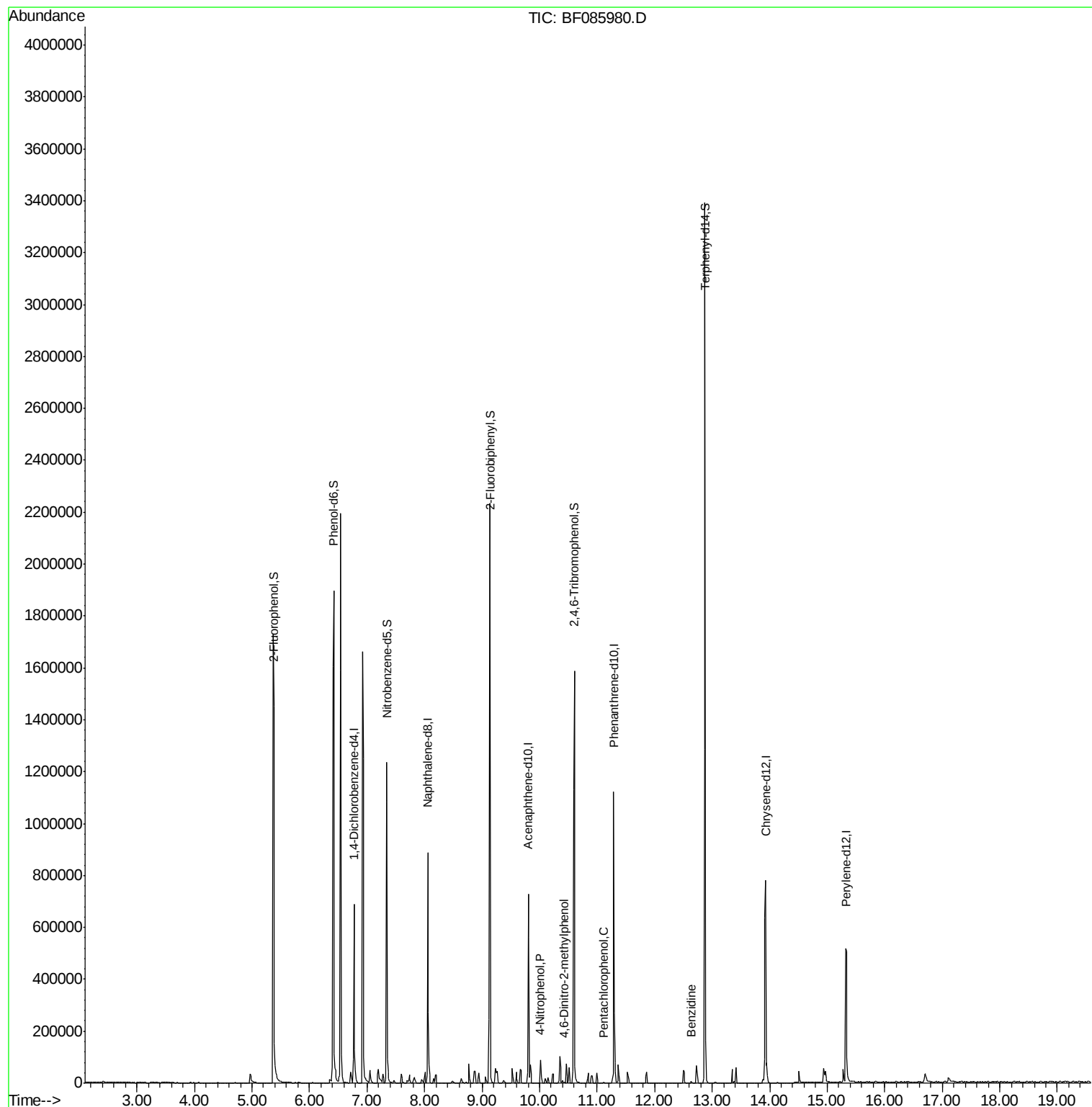
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040216\
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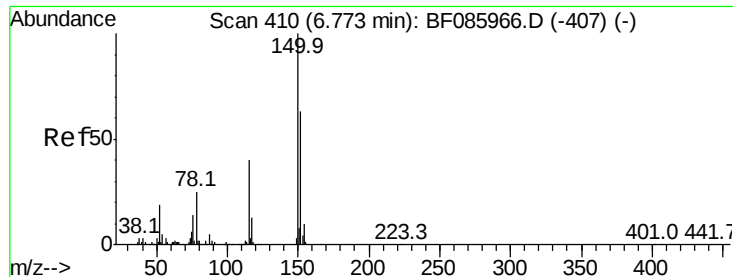
Instrument :
BNA_F
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LOD-SOIL2016-01

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Quant Time: Apr 02 01:34:42 2016
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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: BF085980.D

Acq: 2 Apr 2016 00:10

Instrument :

BNA_F

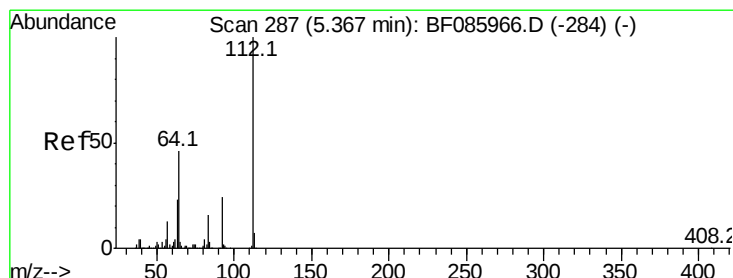
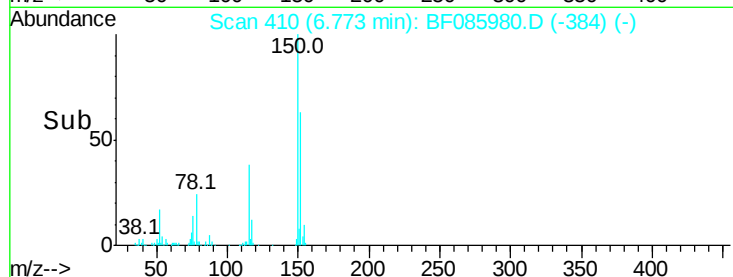
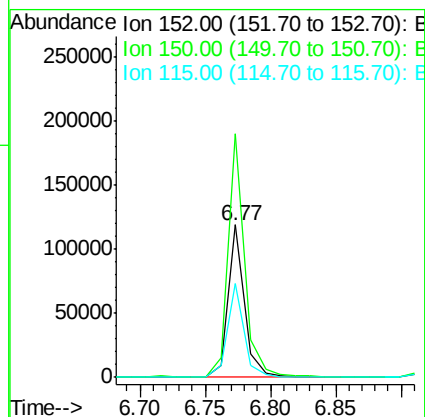
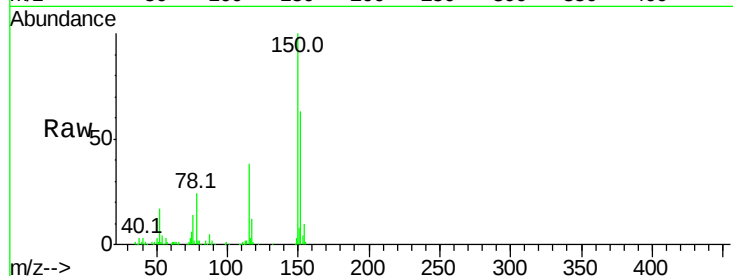
ClientSampleId :

LOD-SOIL2016-01

Tot Ion:	152	Resp:	104680
Ion Ratio	Lower	Upper	
152	100		
150	159.5	124.2	186.2
115	61.4	47.0	70.6

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#5

2-Fluorophenol

Concen: 128.36 ng

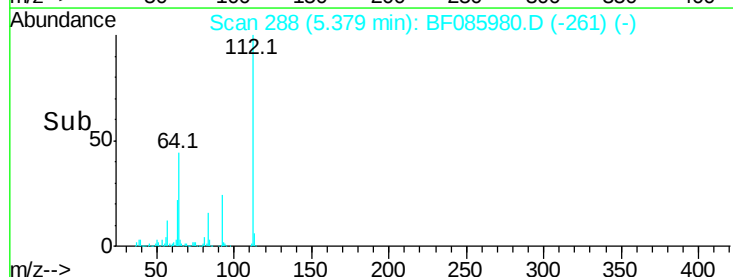
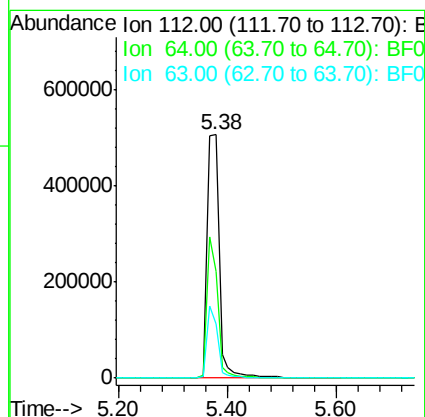
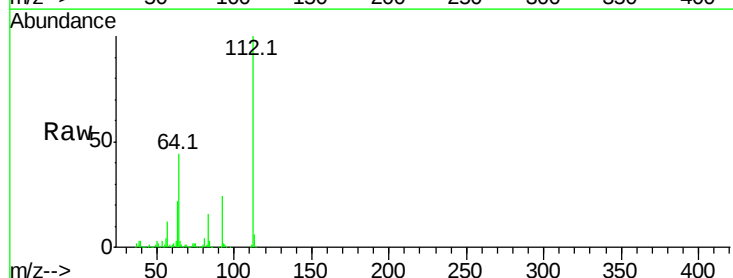
RT: 5.38 min Scan# 288

Delta R.T. 0.01 min

Lab File: BF085980.D

Acq: 2 Apr 2016 00:10

Tgt Ion:	112	Resp:	786121
Ion Ratio	Lower	Upper	
112	100		
64	43.7	39.9	59.9
63	22.2	20.2	30.2





#7

Phenol-d6

Concen: 132.17 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF085980.D

Acq: 2 Apr 2016 00:10

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tot Ion: 99 Resp: 1028144

Ion Ratio Lower Upper

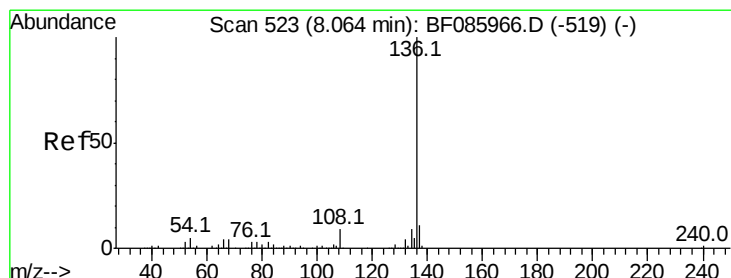
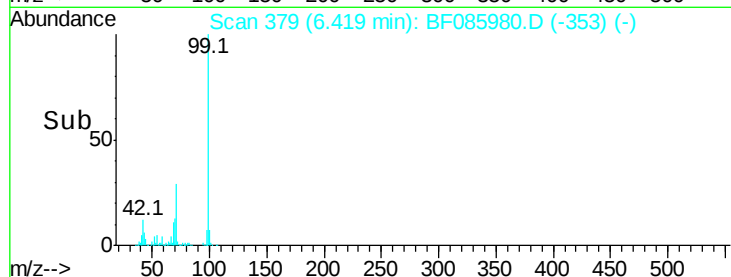
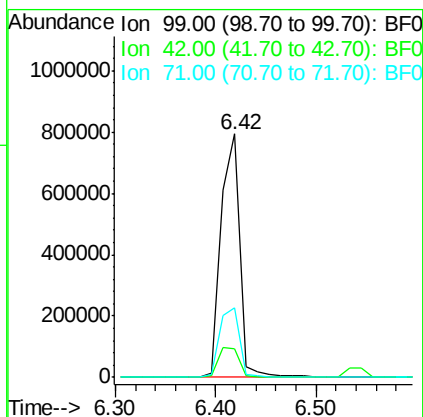
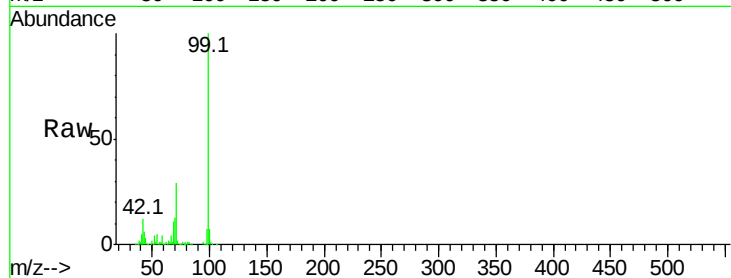
99 100

42 11.7 11.1 16.7

71 28.7 24.9 37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF085980.D

Acq: 2 Apr 2016 00:10

Tgt Ion: 136 Resp: 421492

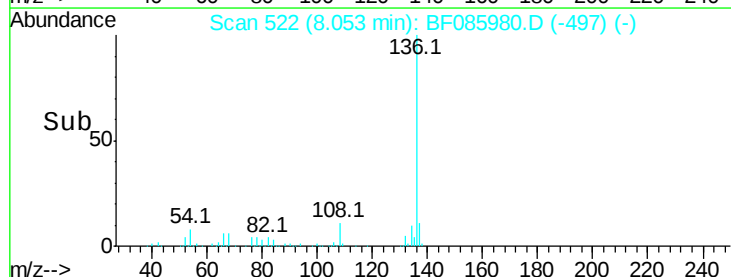
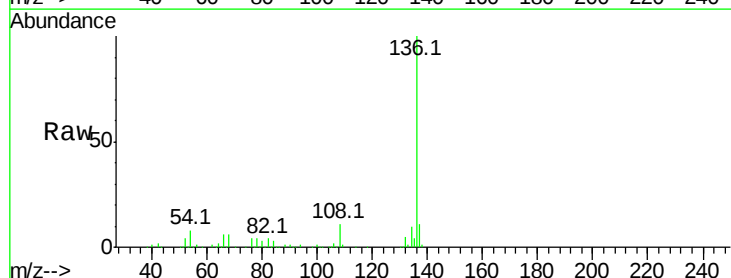
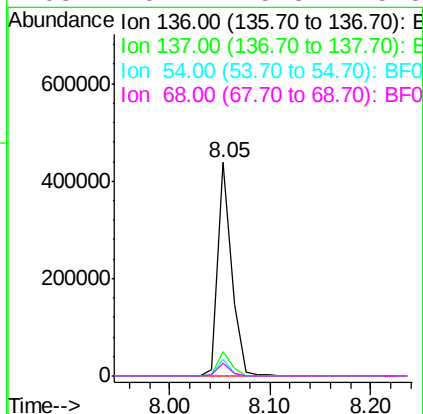
Ion Ratio Lower Upper

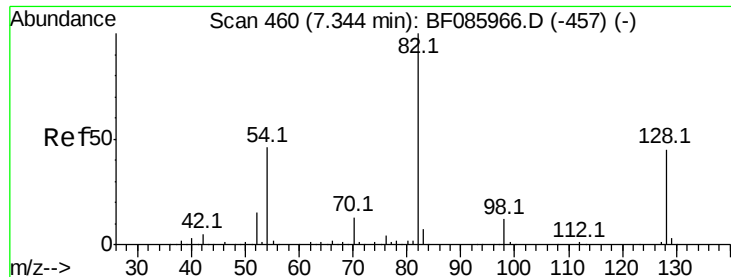
136 100

137 11.4 9.1 13.7

54 7.6 7.4 11.0

68 6.2 5.8 8.8





#23

Nitrobenzene-d5

Concen: 85.20 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.00 min

Lab File: BF085980.D

Acq: 2 Apr 2016 00:10

Instrument :

BNA_F

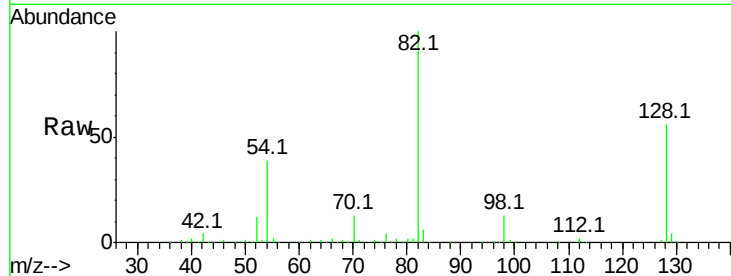
ClientSampleId :

LOD-SOIL2016-01

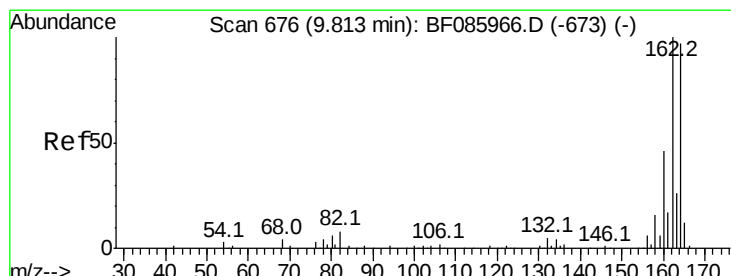
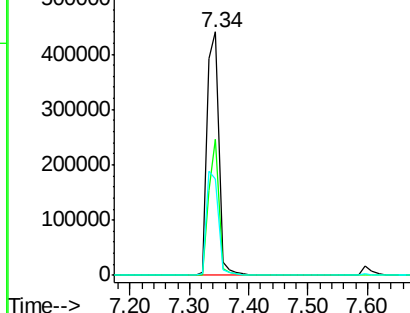
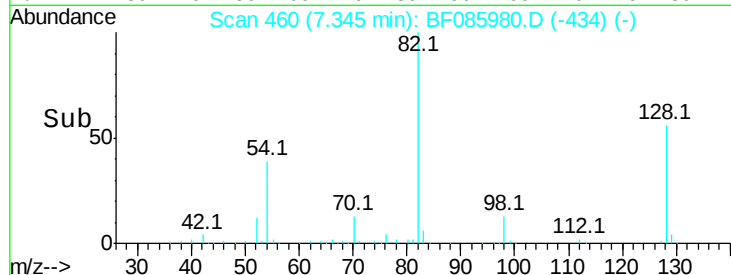
Tot Ion:	82	Resp:	608956
Ion Ratio	Lower	Upper	
82	100		
128	56.1	41.8	62.8
54	39.4	33.4	50.0

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



#38

Acenaphthene-d10

Concen: 20.00 ng

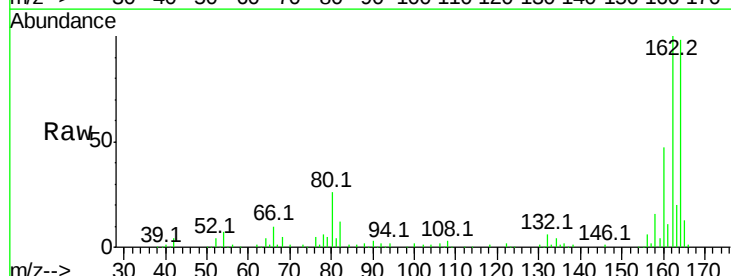
RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

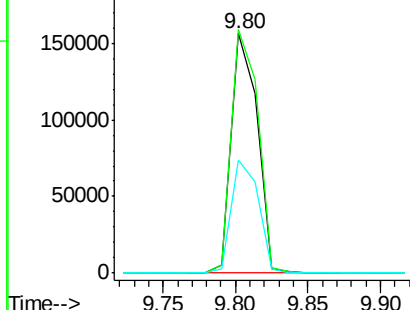
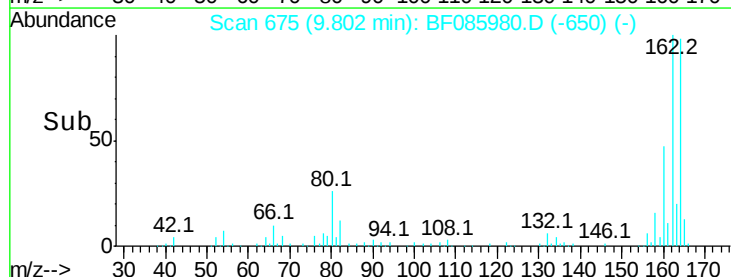
Lab File: BF085980.D

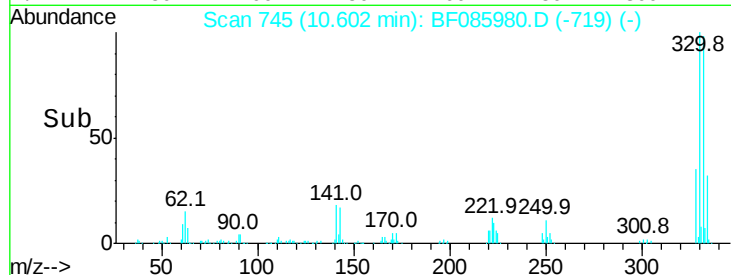
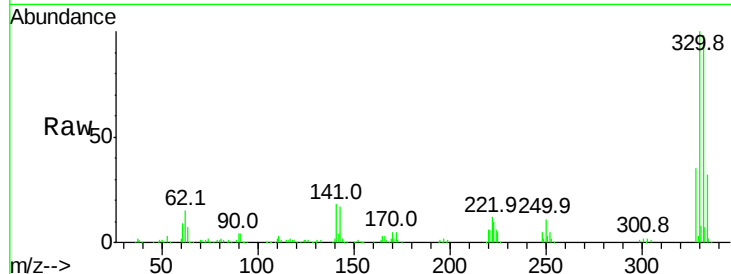
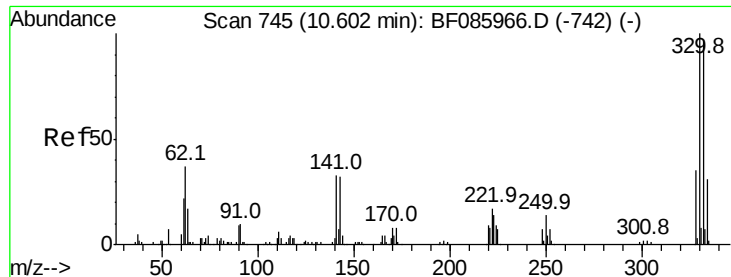
Acq: 2 Apr 2016 00:10

Tgt Ion:	164	Resp:	193545
Ion Ratio	Lower	Upper	
164	100		
162	101.7	82.1	123.1
160	47.3	37.4	56.2



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





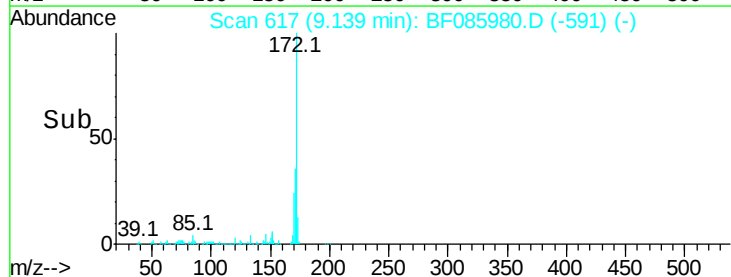
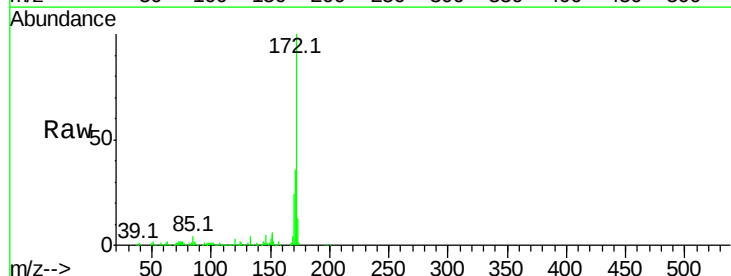
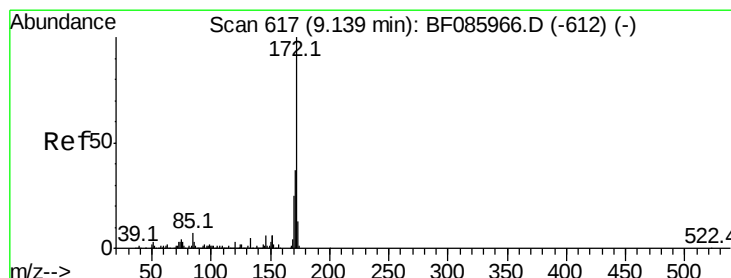
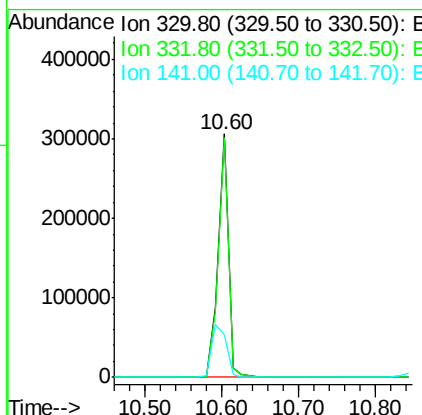
#41
2,4,6-Tribromophenol
Concen: 156.88 ng
RT: 10.60 min Scan# 745
Delta R.T. 0.00 min
Lab File: BF085980.D
Acq: 2 Apr 2016 00:10

Tot Ion	Ratio	Resp	Lower	Upper
330	100	284985		
332	97.8	78.2	117.2	
141	31.3	31.5	47.3	

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

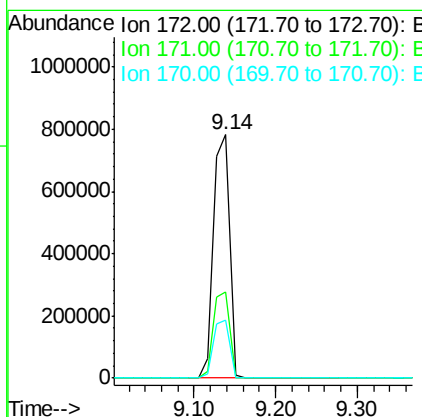
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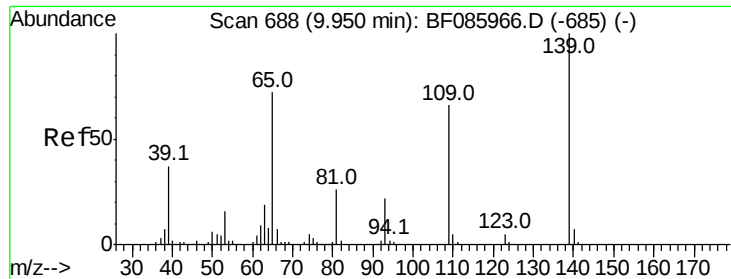
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#44
2-Fluorobiphenyl
Concen: 93.04 ng
RT: 9.14 min Scan# 617
Delta R.T. 0.00 min
Lab File: BF085980.D
Acq: 2 Apr 2016 00:10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1082995		
171	35.6	29.4	44.2	
170	23.9	19.8	29.6	





#55

4-Nitrophenol

Concen: 0.94 ng/mL

RT: 10.01 min Scan# 693

Delta R.T. 0.06 min

Lab File: BF085980.D

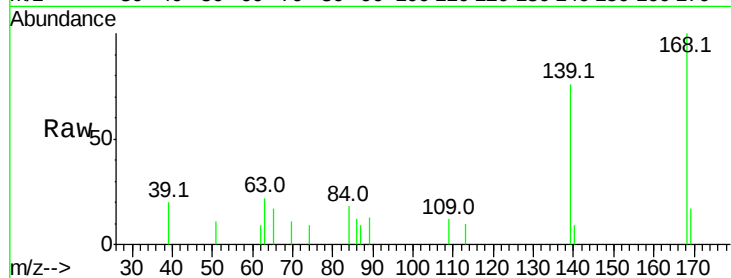
Acq: 2 Apr 2016 00:10

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01



Tot Ion:139 Resp: 2022

Ion Ratio Lower Upper

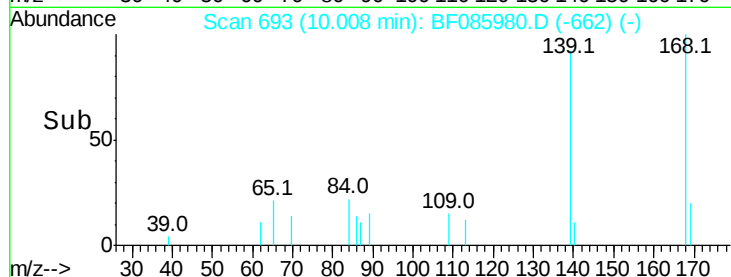
139 100

109 16.3 49.2 89.2#

65 22.5 66.9 106.9#

Manual Integrations
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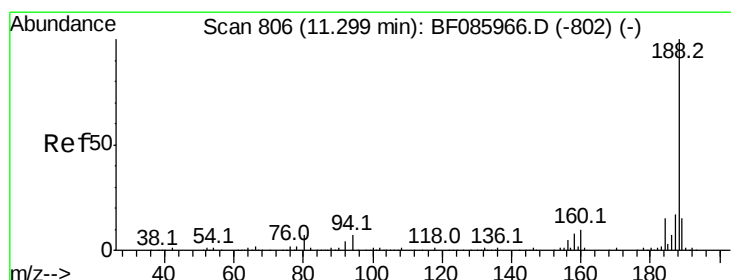
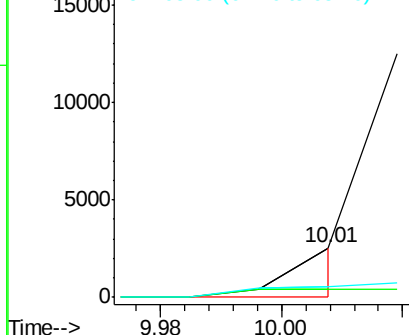
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Abundance Ion 139.00 (138.70 to 139.70): E

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: 11.29 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF085980.D

Acq: 2 Apr 2016 00:10

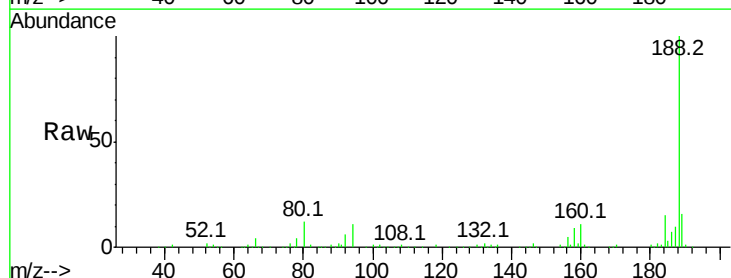
Tgt Ion:188 Resp: 394723

Ion Ratio Lower Upper

188 100

94 11.4 5.4 8.0#

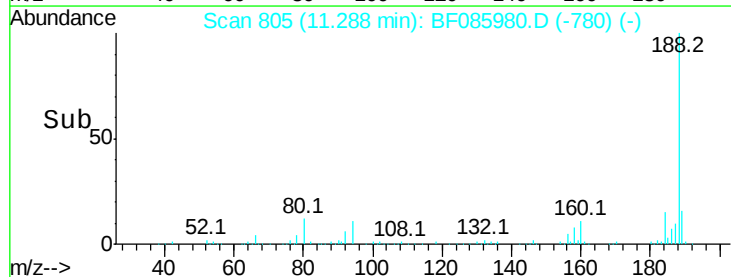
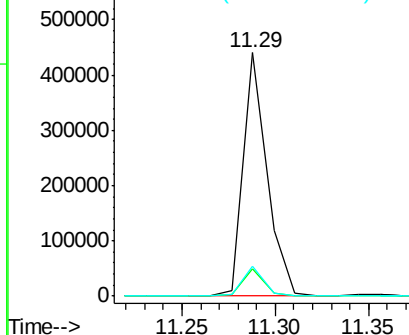
80 12.4 5.5 8.3#

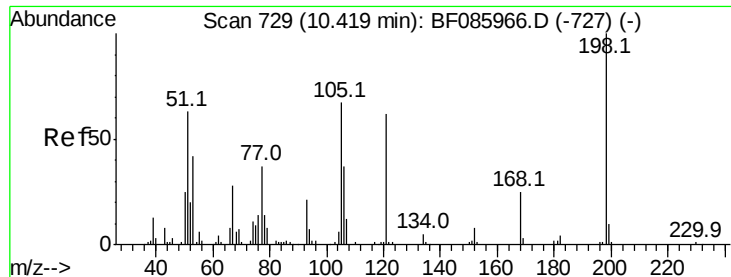


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





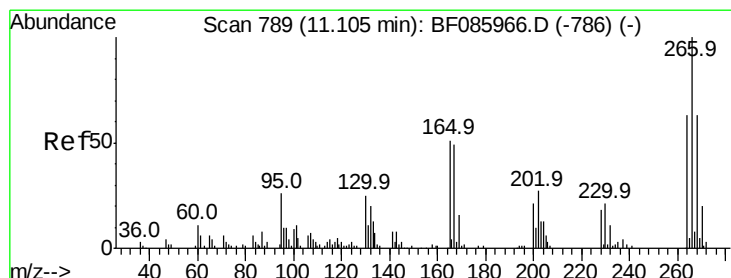
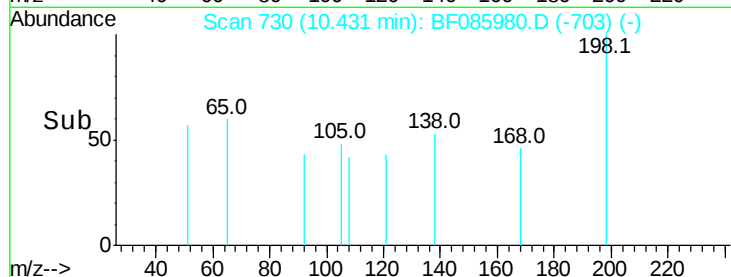
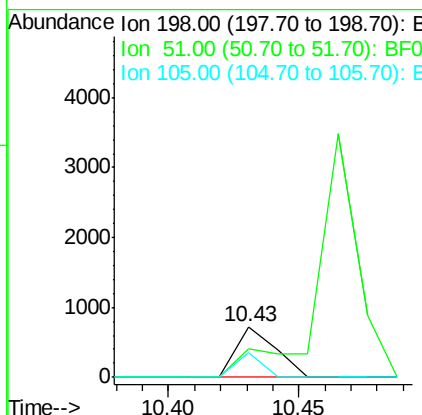
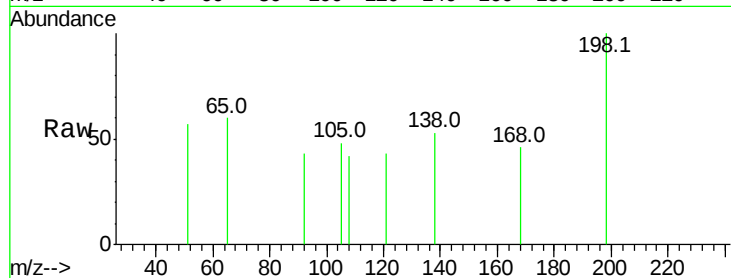
#64
 4,6-Dinitro-2-methylphenol
 Concen: 0.32 ng
 RT: 10.43 min Scan# 730
 Delta R.T. 0.01 min
 Lab File: BF085980.D
 Acq: 2 Apr 2016 00:10

Instrument :
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 LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
198	100		
51	56.7	45.4	85.4
105	48.2	45.9	85.9

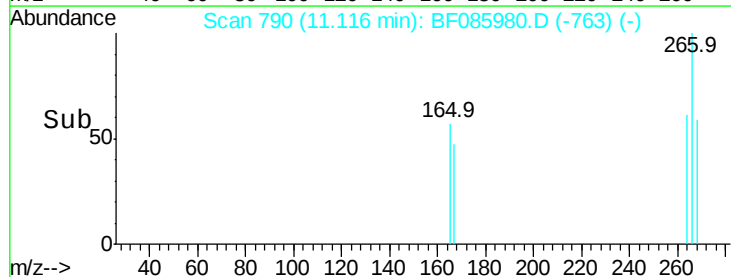
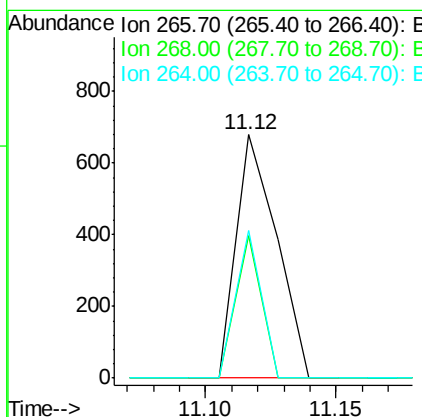
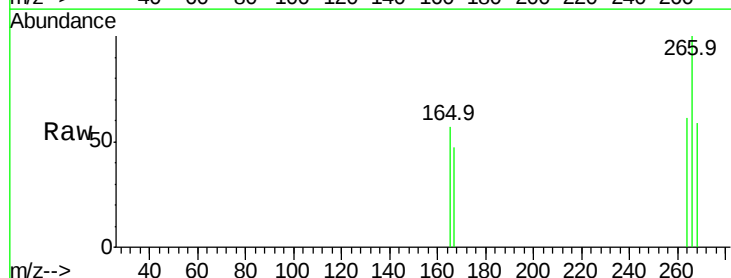
Manual Integrations
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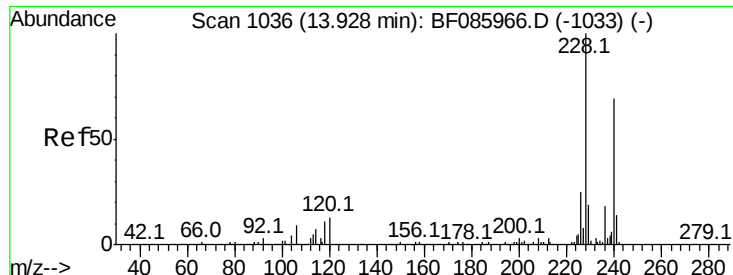
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#69
 Pentachlorophenol
 Concen: 0.37 ng
 RT: 11.12 min Scan# 790
 Delta R.T. 0.01 min
 Lab File: BF085980.D
 Acq: 2 Apr 2016 00:10

Tgt Ion	Ratio	Lower	Upper
266	100		
268	58.8	51.5	77.3
264	60.5	50.6	76.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF085980.D

Acq: 2 Apr 2016 00:10

Instrument :

BNA_F

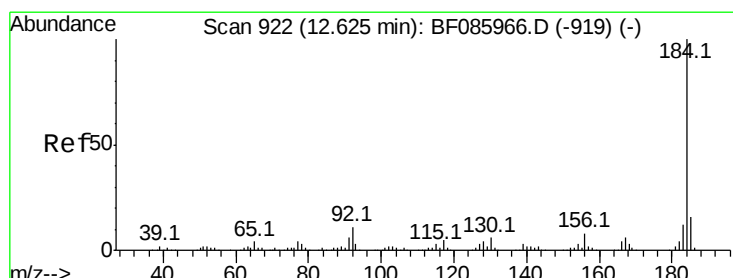
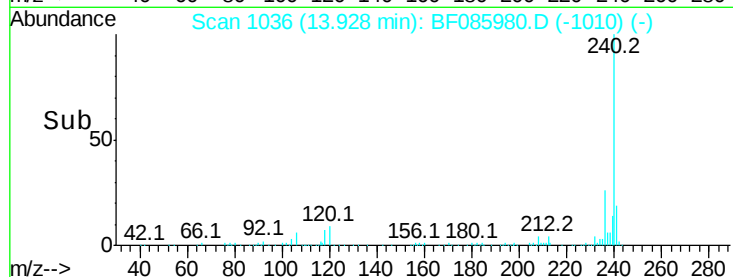
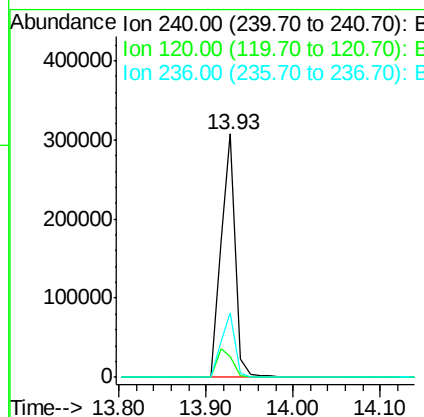
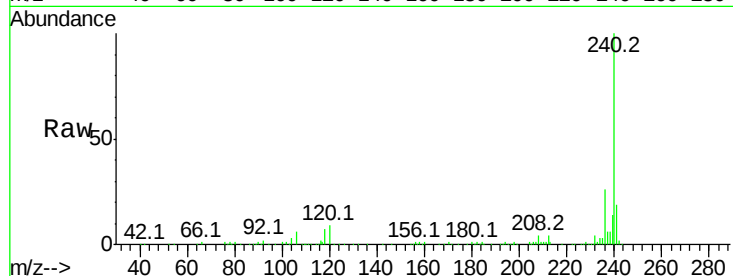
ClientSampleId :

LOD-SOIL2016-01

Tot Ion:	240	Resp:	353533
Ion Ratio	Lower	Upper	
240	100		
120	8.8	13.8	20.8#
236	26.4	20.6	30.8

Manual Integrations
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#76

Benzidine

Concen: 0.67 ng

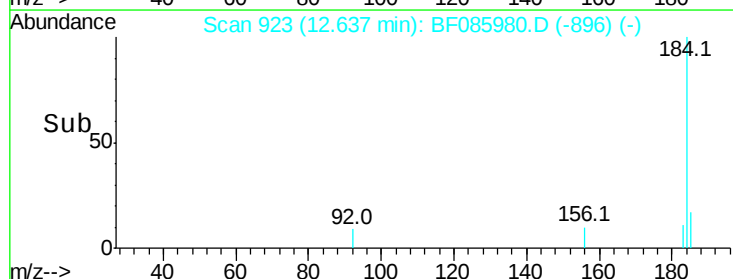
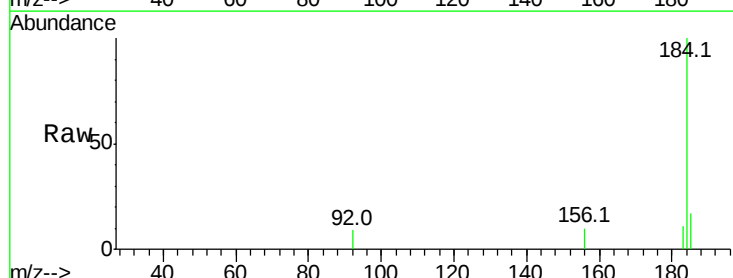
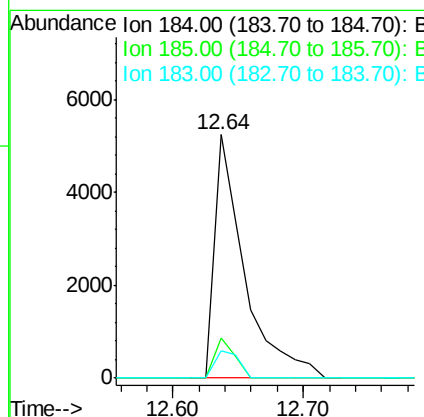
RT: 12.64 min Scan# 923

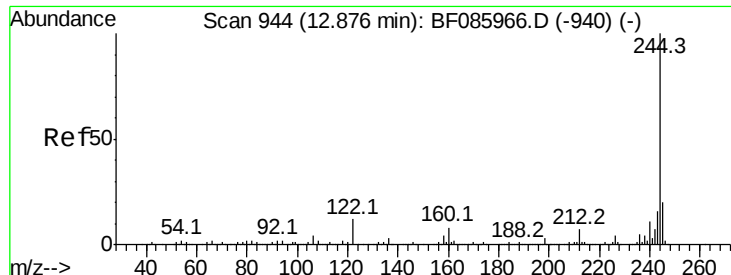
Delta R.T. 0.01 min

Lab File: BF085980.D

Acq: 2 Apr 2016 00:10

Tgt Ion:	184	Resp:	8373
Ion Ratio	Lower	Upper	
184	100		
185	16.7	12.4	18.6
183	11.1	9.4	14.2





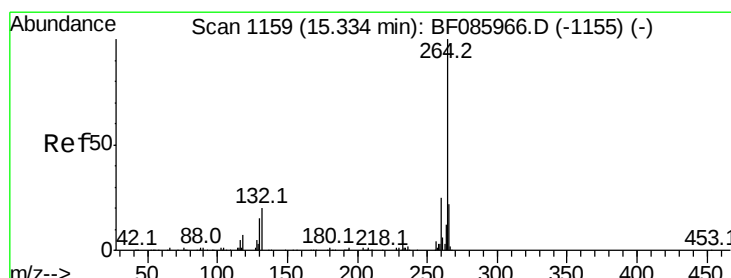
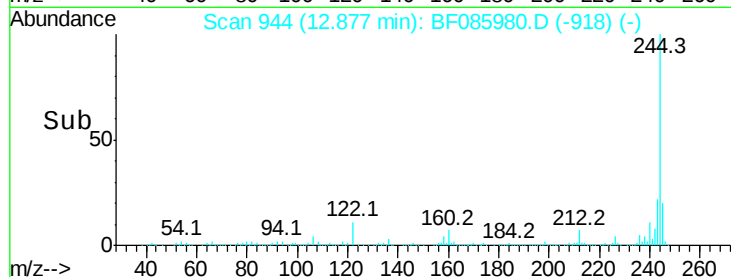
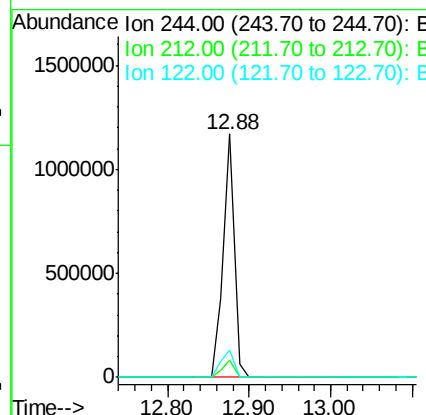
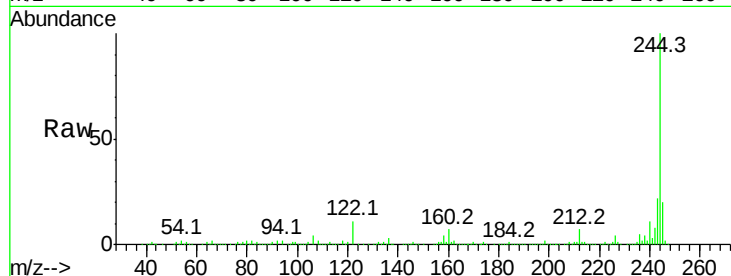
#78
 Terphenyl-d14
 Concen: 74.03 ng
 RT: 12.88 min Scan# 944
 Delta R.T. 0.00 min
 Lab File: BF085980.D
 Acq: 2 Apr 2016 00:10

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	11.0	10.2	15.4

Manual Integrations
 APPROVED

Sohil
 4/4/2016 7:39:05 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.33 min Scan# 1159
 Delta R.T. 0.00 min
 Lab File: BF085980.D
 Acq: 2 Apr 2016 00:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.2
265	21.5	17.2	25.8

