

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041316\
 Data File : BG021640.D
 Acq On : 14 Apr 2016 4:58
 Operator : UM/SJ
 Sample : H1824-03
 Misc : LOD-SOIL-5PPB
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Manual Integrations
 APPROVED

Sohil
 4/14/2016 5:30:04 PM

Quant Time: Apr 14 11:39:30 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 15:48:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	29063	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	127035	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	85643	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	217210	20.00	ng	0.00
75) Chrysene-d12	21.83	240	245509	20.00	ng	0.00
86) Perylene-d12	25.15	264	234008	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.76	112	255306	146.29	ng	0.00
7) Phenol-d6	7.36	99	371342	142.44	ng	0.00
23) Nitrobenzene-d5	9.39	82	219550	88.83	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	141440	153.24	ng	0.00
44) 2-Fluorobiphenyl	13.46	172	525120	89.84	ng	0.00
78) Terphenyl-d14	20.14	244	888343	90.29	ng	0.00
Target Compounds						
32) Benzoic acid	10.21	122	2833m	6.74	ng	Qvalue
53) 2,4-Dinitrophenol	14.91	184	980	9.09	ng	# 72

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

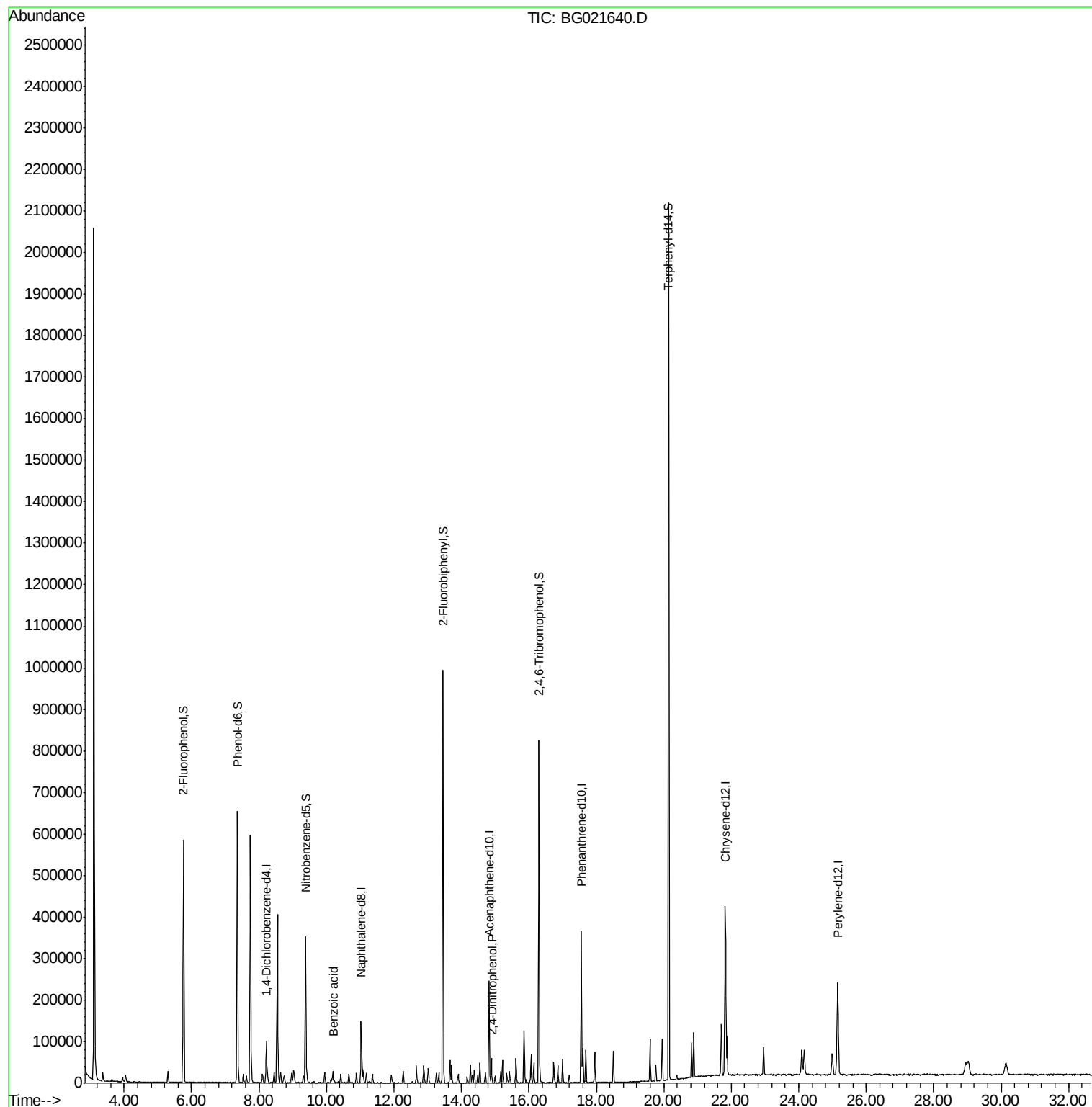
Data Path : Z:\HPCHEM1\BNA G\DATA\BG041316\
Data File : BG021640.D
Acq On : 14 Apr 2016 4:58
Operator : UM/SJ
Sample : H1824-03
Misc : LOD-SOIL-5PPB
ALS Vial : 21 Sample Multiplier: 1

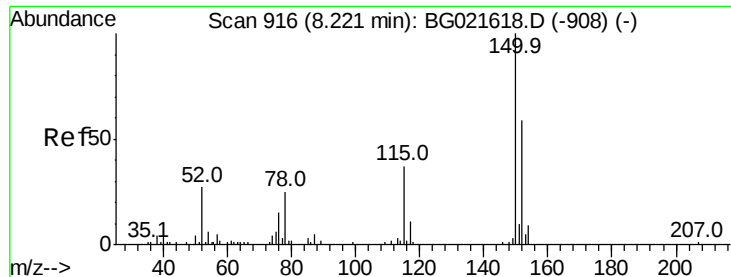
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Manual Integrations
APPROVED

Sohil
4/14/2016 5:30:04 PM

Quant Time: Apr 14 11:39:30 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 13 15:48:13 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.22 min Scan# 916

Delta R.T. 0.00 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

Instrument :

BNA_G

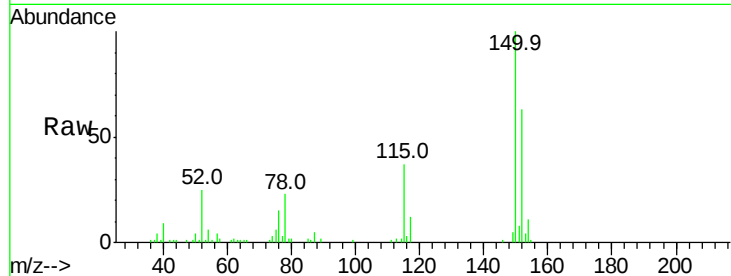
ClientSampleId :

LOD-SOIL2016-01

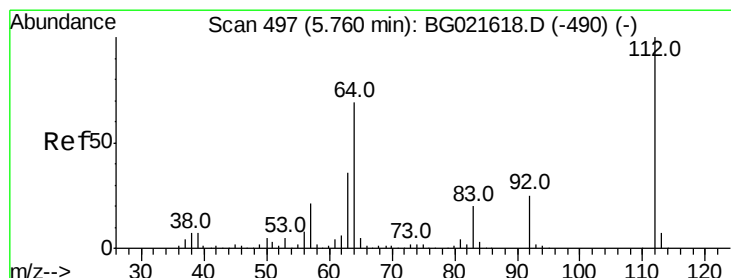
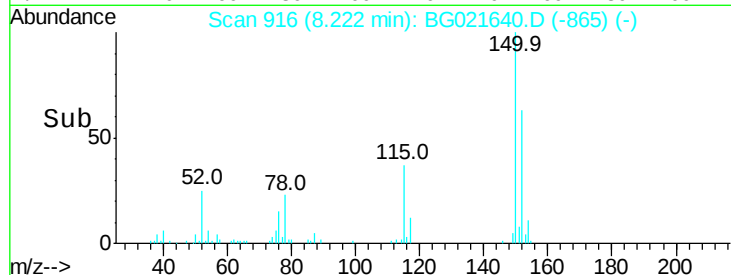
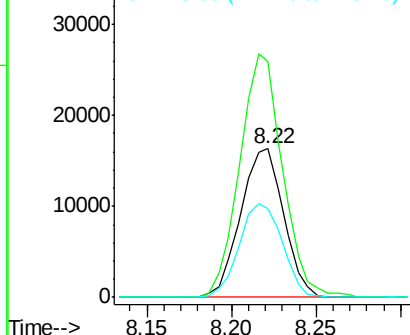
Tot Ion:	152	Resp:	29063
Ion Ratio	Lower	Upper	
152	100		
150	159.1	130.1	195.1
115	59.6	62.2	93.2#

Manual Integrations
APPROVED

Sohil
4/14/2016 5:30:04 PM



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: 146.29 ng

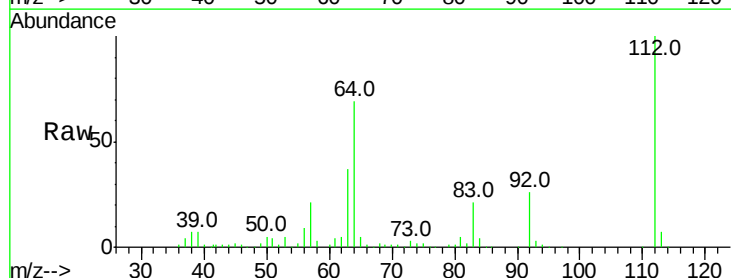
RT: 5.76 min Scan# 497

Delta R.T. 0.00 min

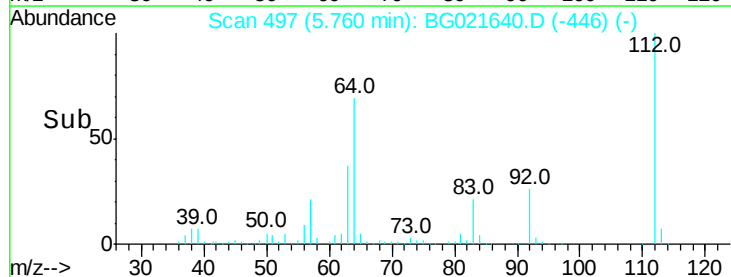
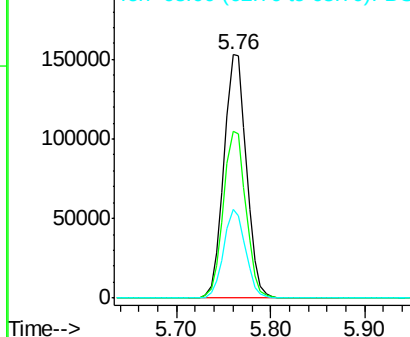
Lab File: BG021640.D

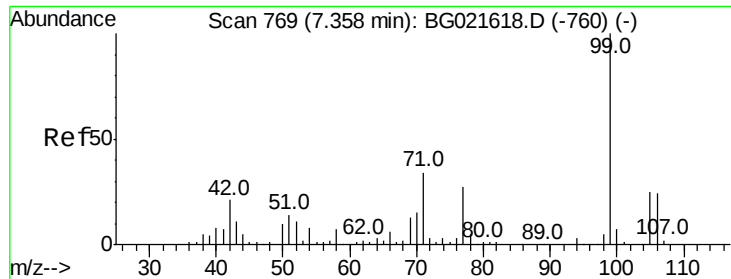
Acq: 14 Apr 2016 4:58

Tgt Ion:	112	Resp:	255306
Ion Ratio	Lower	Upper	
112	100		
64	68.5	51.1	76.7
63	36.5	24.6	37.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 142.44 ng

RT: 7.36 min Scan# 769

Delta R.T. 0.00 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tot Ion: 99 Resp: 371342

Ion Ratio Lower Upper

99 100

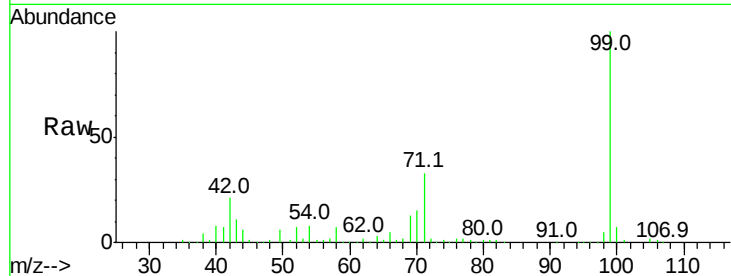
42 20.5 16.4 24.6

71 33.5 25.0 37.4

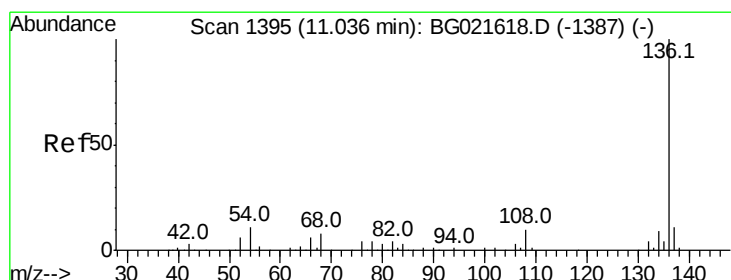
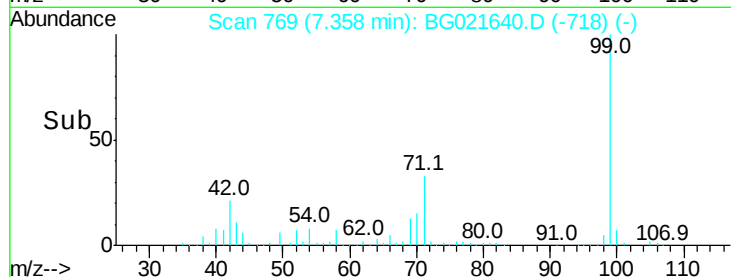
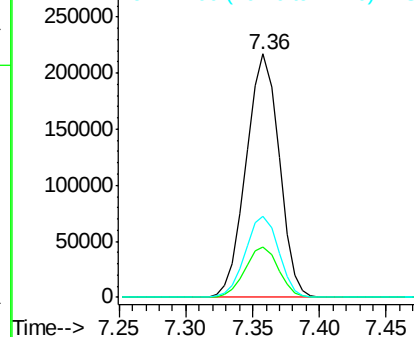
Manual Integrations
APPROVED

Sohil

4/14/2016 5:30:04 PM



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.03 min Scan# 1394

Delta R.T. -0.01 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

Tgt Ion: 136 Resp: 127035

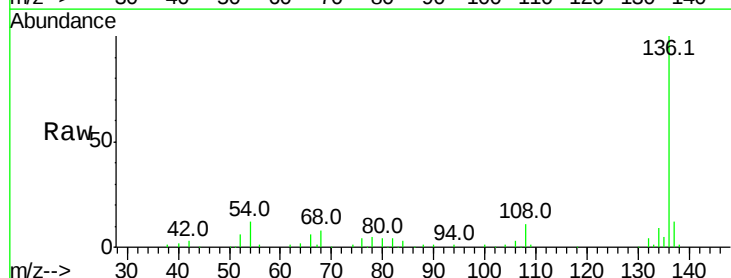
Ion Ratio Lower Upper

136 100

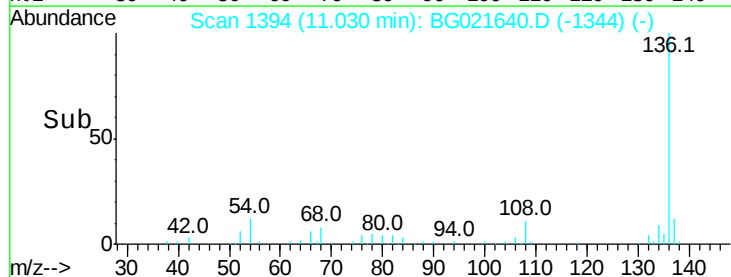
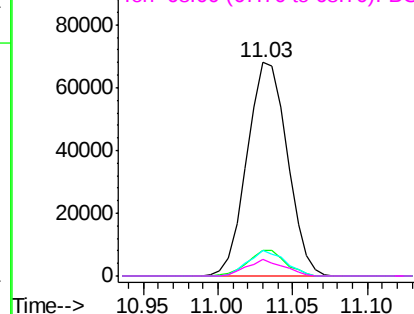
137 12.0 9.0 13.4

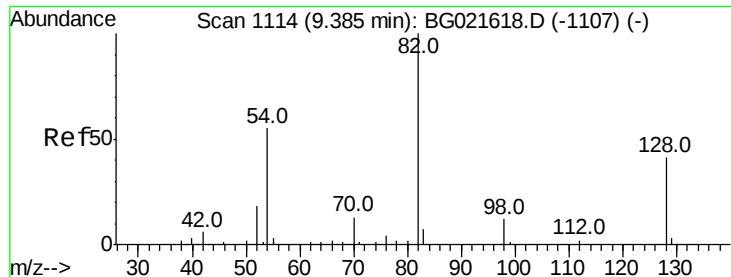
54 11.8 9.6 14.4

68 8.1 6.4 9.6



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC





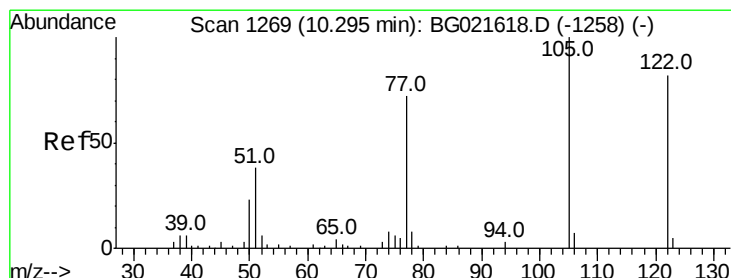
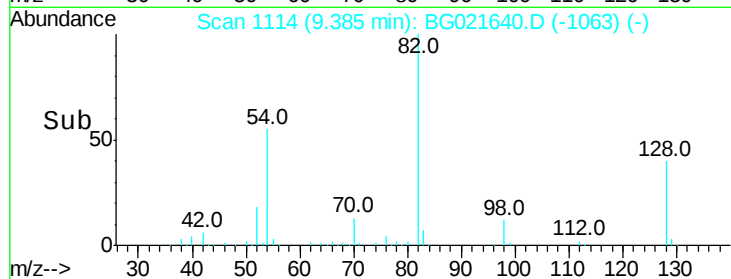
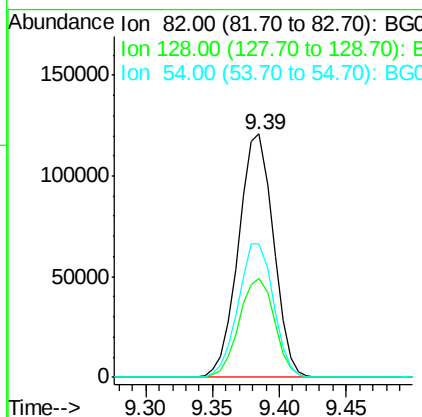
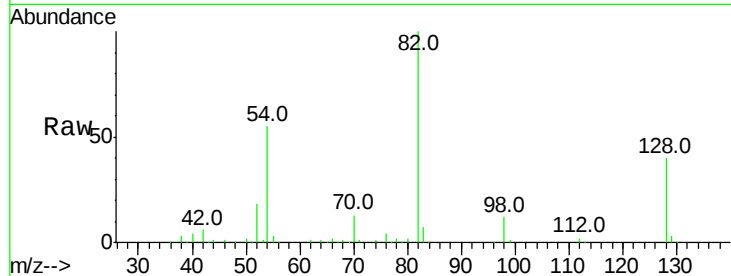
#23
 Nitrobenzene-d5
 Concen: 88.83 ng
 RT: 9.39 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Resp	Lower	Upper
82	100	219550		
128	40.5	33.4	50.0	
54	54.8	46.1	69.1	

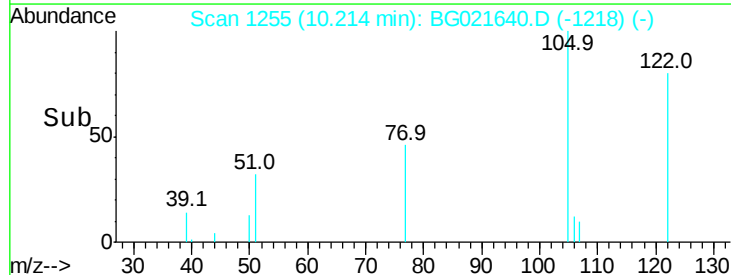
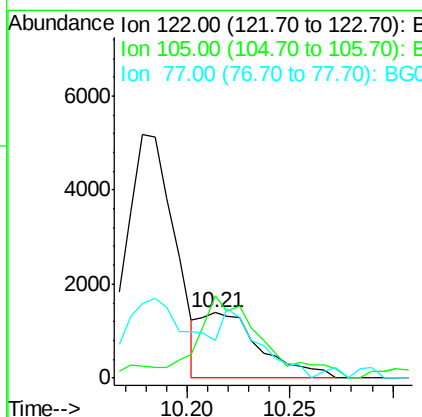
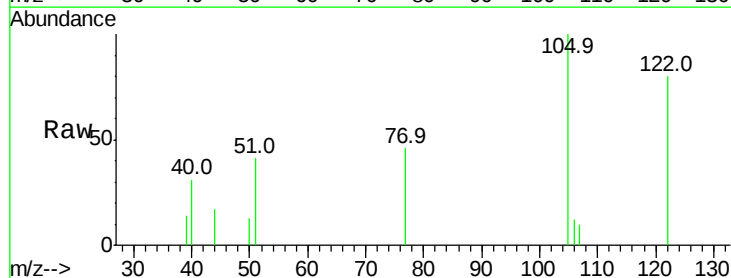
Manual Integrations
 APPROVED

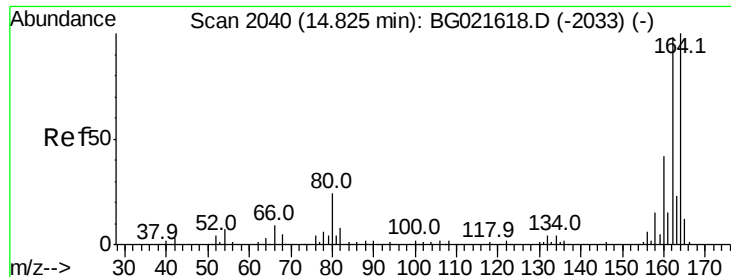
Sohil
 4/14/2016 5:30:04 PM



#32
 Benzoic acid
 Concen: 6.74 ng m
 RT: 10.21 min Scan# 1255
 Delta R.T. -0.08 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	2833		
105	125.0	104.5	144.5	
77	57.3	79.9	119.9	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.82 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tot Ion:164 Resp: 85643

Ion Ratio Lower Upper

164 100

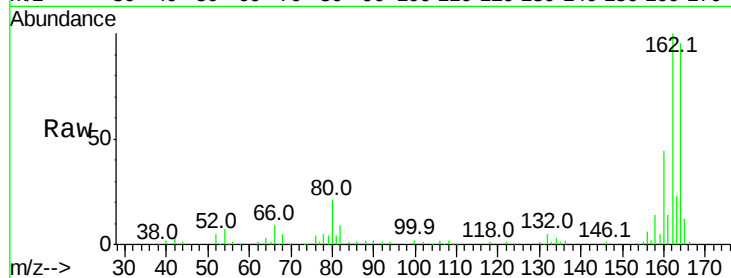
162 105.1 78.0 117.0

160 46.3 32.9 49.3

Manual Integrations
APPROVED

Sohil

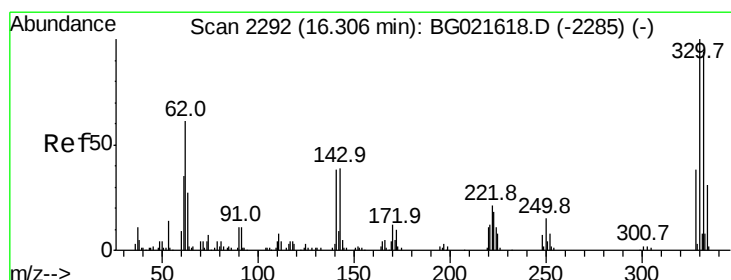
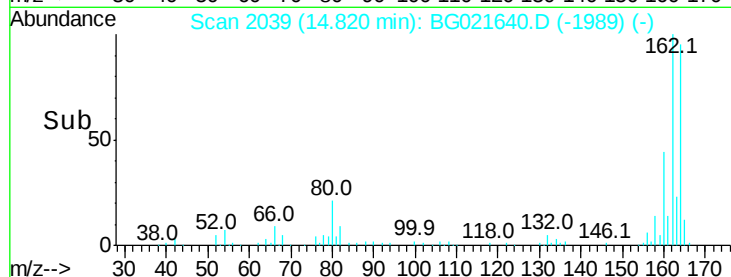
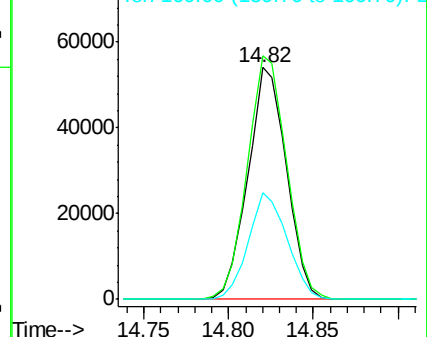
4/14/2016 5:30:04 PM



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: 153.24 ng

RT: 16.30 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

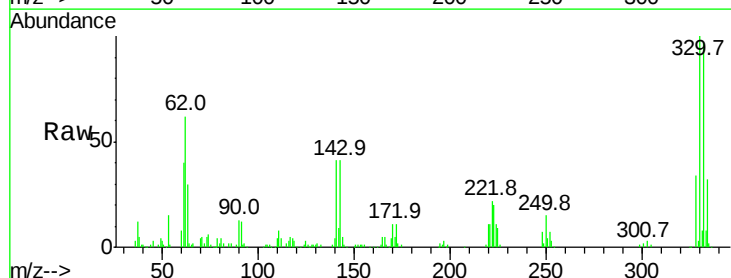
Tgt Ion:330 Resp: 141440

Ion Ratio Lower Upper

330 100

332 95.9 78.0 117.0

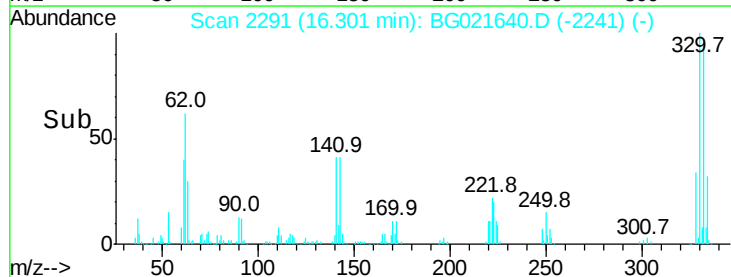
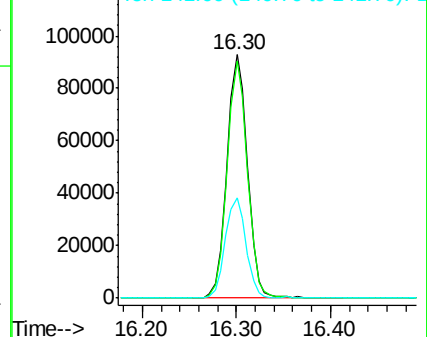
141 41.9 33.8 50.8

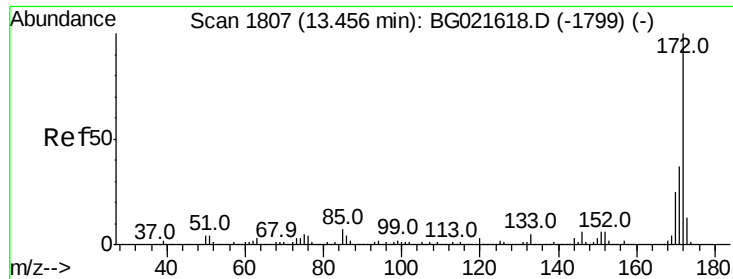


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





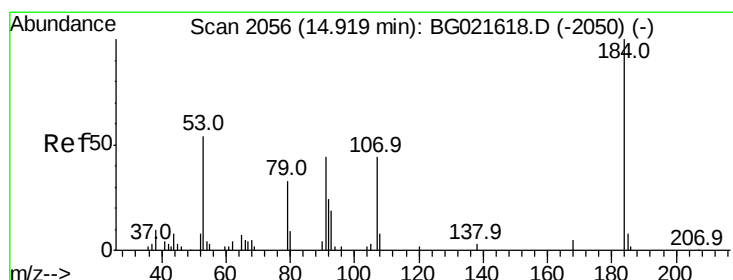
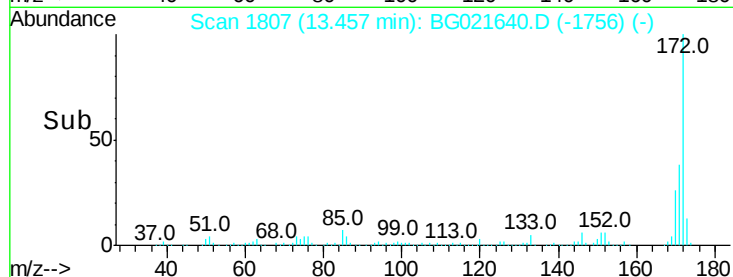
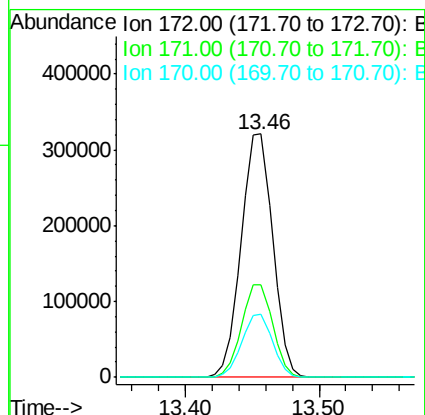
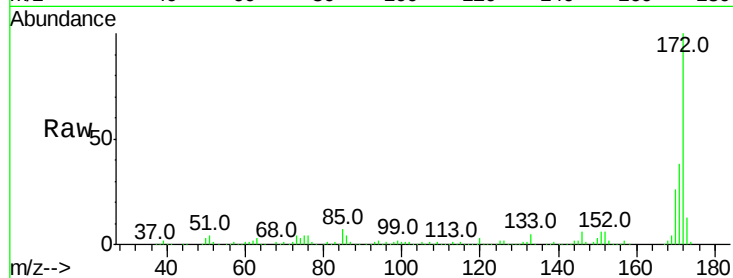
#44
 2-Fluorobiphenyl
 Concen: 89.84 ng
 RT: 13.46 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	38.0	27.8	41.6
170	25.8	19.6	29.4

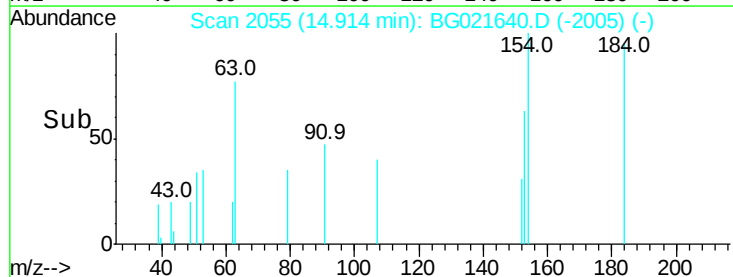
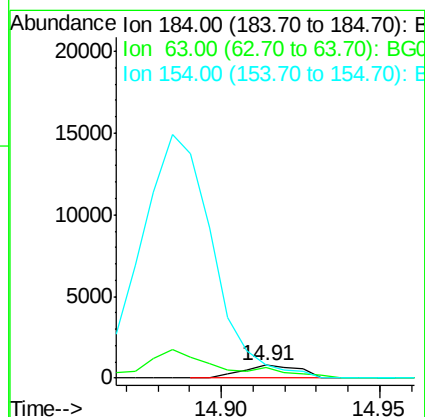
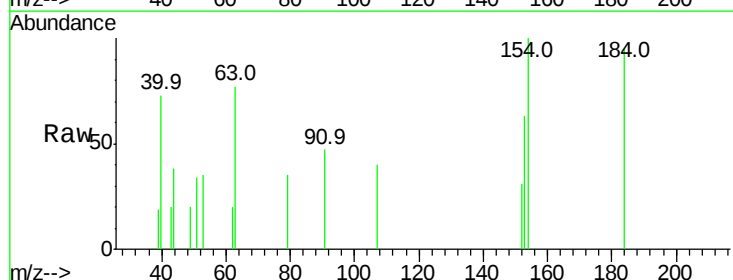
Manual Integrations
 APPROVED

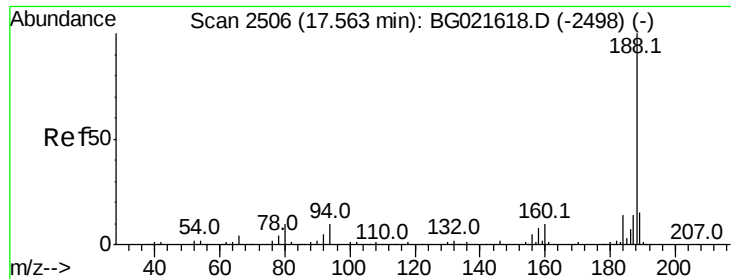
Sohil
 4/14/2016 5:30:04 PM



#53
 2,4-Dinitrophenol
 Concen: 9.09 ng
 RT: 14.91 min Scan# 2055
 Delta R.T. -0.01 min
 Lab File: BG021640.D
 Acq: 14 Apr 2016 4:58

Tgt Ion	Ratio	Resp Lower	Upper
184	100		
63	81.3	57.3	85.9
154	105.5	55.2	82.8#





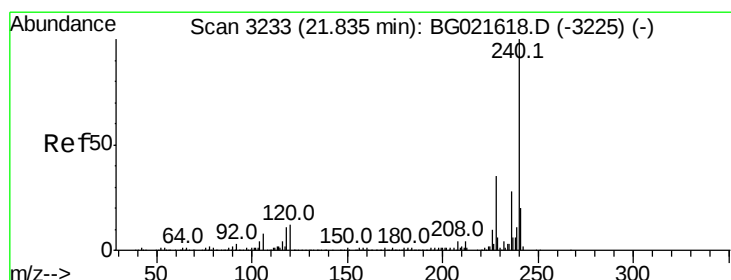
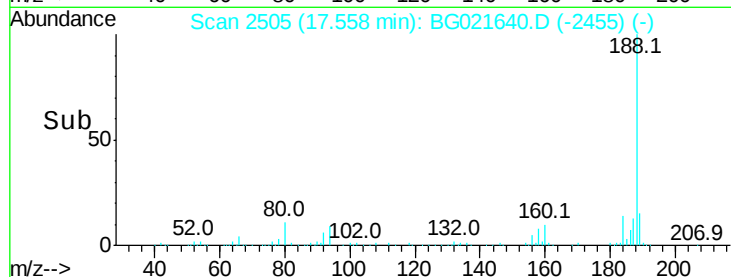
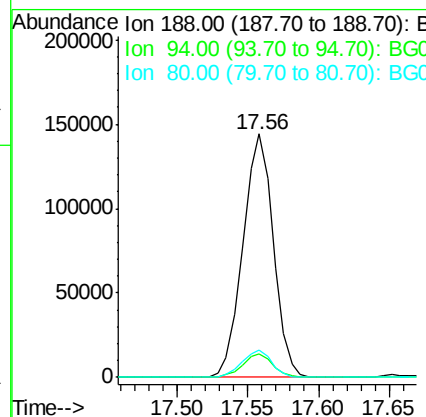
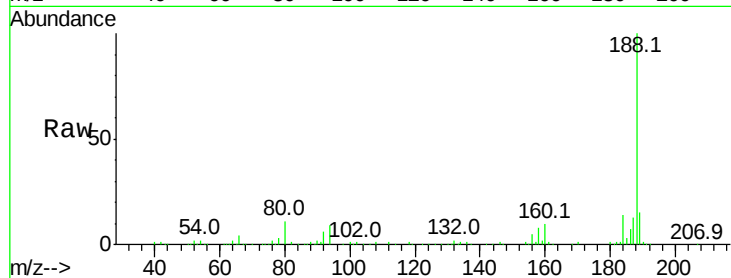
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.4	7.5	11.3
80	11.1	8.6	13.0

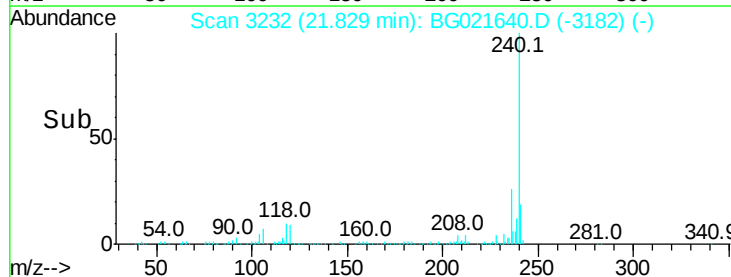
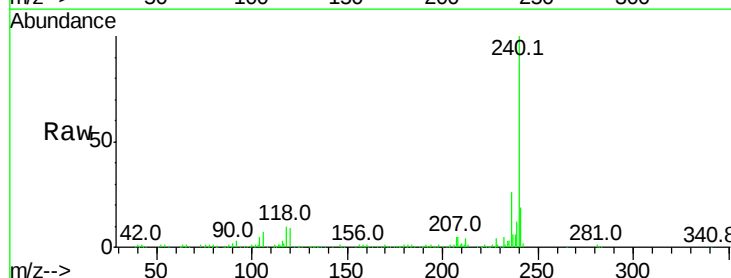
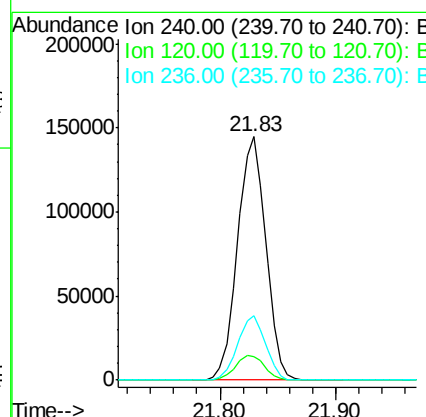
Manual Integrations
APPROVED

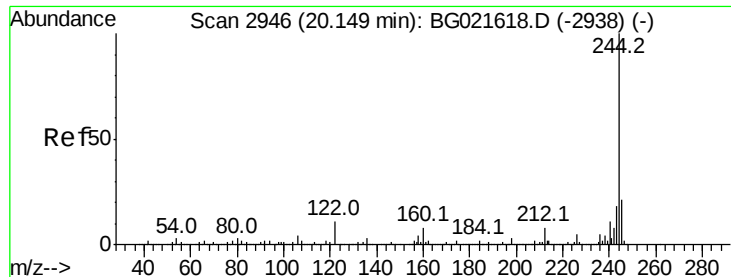
Sohil
4/14/2016 5:30:04 PM



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.83 min Scan# 3232
Delta R.T. -0.01 min
Lab File: BG021640.D
Acq: 14 Apr 2016 4:58

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.5	8.4	12.6
236	26.3	19.6	29.4





#78

Terphenyl-d14

Concen: 90.29 ng

RT: 20.14 min Scan# 2945

Delta R.T. -0.01 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

Instrument :

BNA_G

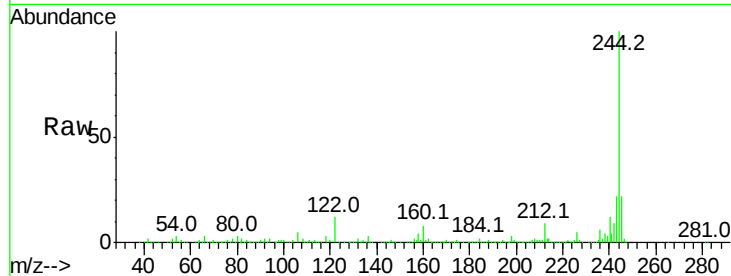
ClientSampleId :

LOD-SOIL2016-01

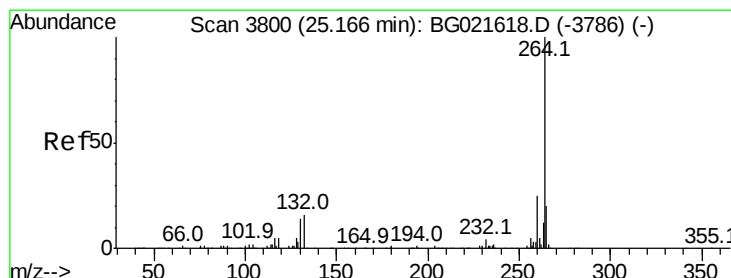
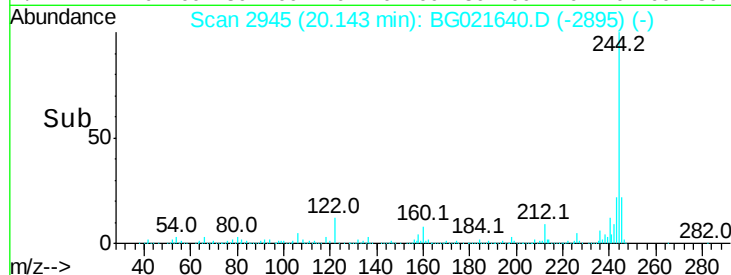
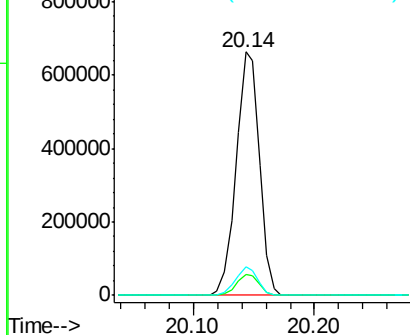
Tot Ion:	244	Resp:	888343
Ion Ratio	Lower	Upper	
244	100		
212	8.7	6.5	9.7
122	11.9	8.6	12.8

Manual Integrations
APPROVED

Sohil
4/14/2016 5:30:04 PM



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

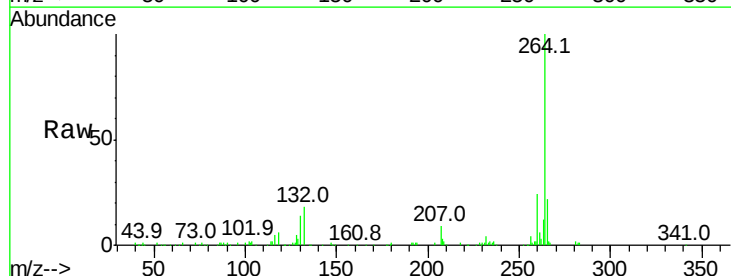
RT: 25.15 min Scan# 3798

Delta R.T. -0.01 min

Lab File: BG021640.D

Acq: 14 Apr 2016 4:58

Tgt Ion:	264	Resp:	234008
Ion Ratio	Lower	Upper	
264	100		
260	24.1	20.2	30.4
265	22.1	17.8	26.8



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

