

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
 Data File : BF086829.D
 Acq On : 9 May 2016 18:18
 Operator : UM/SJ
 Sample : H2817-15
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Manual Integrations
 APPROVED

sohil
 5/10/2016 6:47:22 PM

Quant Time: May 10 14:19:08 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	162582	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	712784	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	339043	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	657840	20.00	ng	0.00
75) Chrysene-d12	13.84	240	414987	20.00	ng	0.00
86) Perylene-d12	15.21	264	387552	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	1136053	118.34	ng	0.01
7) Phenol-d6	6.37	99	1530128	119.26	ng	0.01
23) Nitrobenzene-d5	7.26	82	1044724	73.60	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	425339	118.50	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	1561834	77.42	ng	0.00
78) Terphenyl-d14	12.80	244	1583985	80.98	ng	0.00

Target Compounds				Qvalue		
8) 2-Chlorophenol	6.49	128	1005718	86.82	ng	87
10) Phenol	6.38	94	1981828	129.95	ng	82
11) bis(2-Chloroethyl)ether	6.45	93	1270571	106.85	ng	93
12) 1,3-Dichlorobenzene	6.64	146	1714499	136.76	ng	# 91
13) 1,4-Dichlorobenzene	6.72	146	1789770	140.00	ng	# 93
14) 1,2-Dichlorobenzene	6.88	146	2170802	194.82	ng	96
18) Hexachloroethane	7.21	117	827837	172.11	ng	# 90
25) Isophorone	7.53	82	4096032	155.52	ng	98
29) 2,4-Dichlorophenol	7.86	162	723967	75.23	ng	95
30) 1,2,4-Trichlorobenzene	7.93	180	1213609	112.78	ng	96
31) Naphthalene	8.01	128	2260702	63.32	ng	98
34) Hexachlorobutadiene	8.12	225	398817	63.88	ng	99
36) 4-Chloro-3-methylphenol	8.56	107	1577436	135.15	ng	89
37) 2-Methylnaphthalene	8.70	142	3191598	152.91	ng	# 95
42) 2,4,6-Trichlorophenol	8.99	196	862062m	130.78	ng	
43) 2,4,5-Trichlorophenol	9.02	196	420690m	61.71	ng	
46) 2-Chloronaphthalene	9.18	162	1801245	85.25	ng	# 93
49) Dimethylphthalate	9.46	163	178757	6.91	ng	99
51) Acenaphthene	9.77	154	1618166	83.70	ng	100
55) 4-Nitrophenol	9.89	139	629679	159.95	ng	# 55
59) Diethylphthalate	10.17	149	1980669	78.58	ng	98
60) 4-Chlorophenyl-phenylether	10.28	204	1425117m	Below Cal		
66) 4-Bromophenyl-phenylether	10.76	248	531889	79.75	ng	93
69) Pentachlorophenol	11.02	266	461153	128.01	ng	98
71) Anthracene	11.29	178	2392802	66.65	ng	98
73) Di-n-butylphthalate	11.79	149	4233786	112.33	ng	# 97
77) Pyrene	12.65	202	4036878	127.06	ng	97
79) Butylbenzylphthalate	13.28	149	1314016	97.78	ng	94
82) Chrysene	13.87	228	2652645	111.94	ng	97
83) Bis(2-ethylhexyl)phthalate	13.84	149	1923834	119.01	ng	# 99
84) Di-n-octyl phthalate	14.44	149	2900219	108.31	ng	# 83
87) Benzo(b)fluoranthene	14.83	252	1762279m	69.97	ng	
88) Benzo(k)fluoranthene	14.88	252	2407180m	116.72	ng	
91) Benzo(g,h,i)perylene	16.90	276	1180405	63.45	ng	# 90

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
Data File : BF086829.D
Acq On : 9 May 2016 18:18
Operator : UM/SJ
Sample : H2817-15
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

Manual Integrations
APPROVED

sohil
5/10/2016 6:47:22 PM

Quant Time: May 10 14:19:08 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 09 16:04:56 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

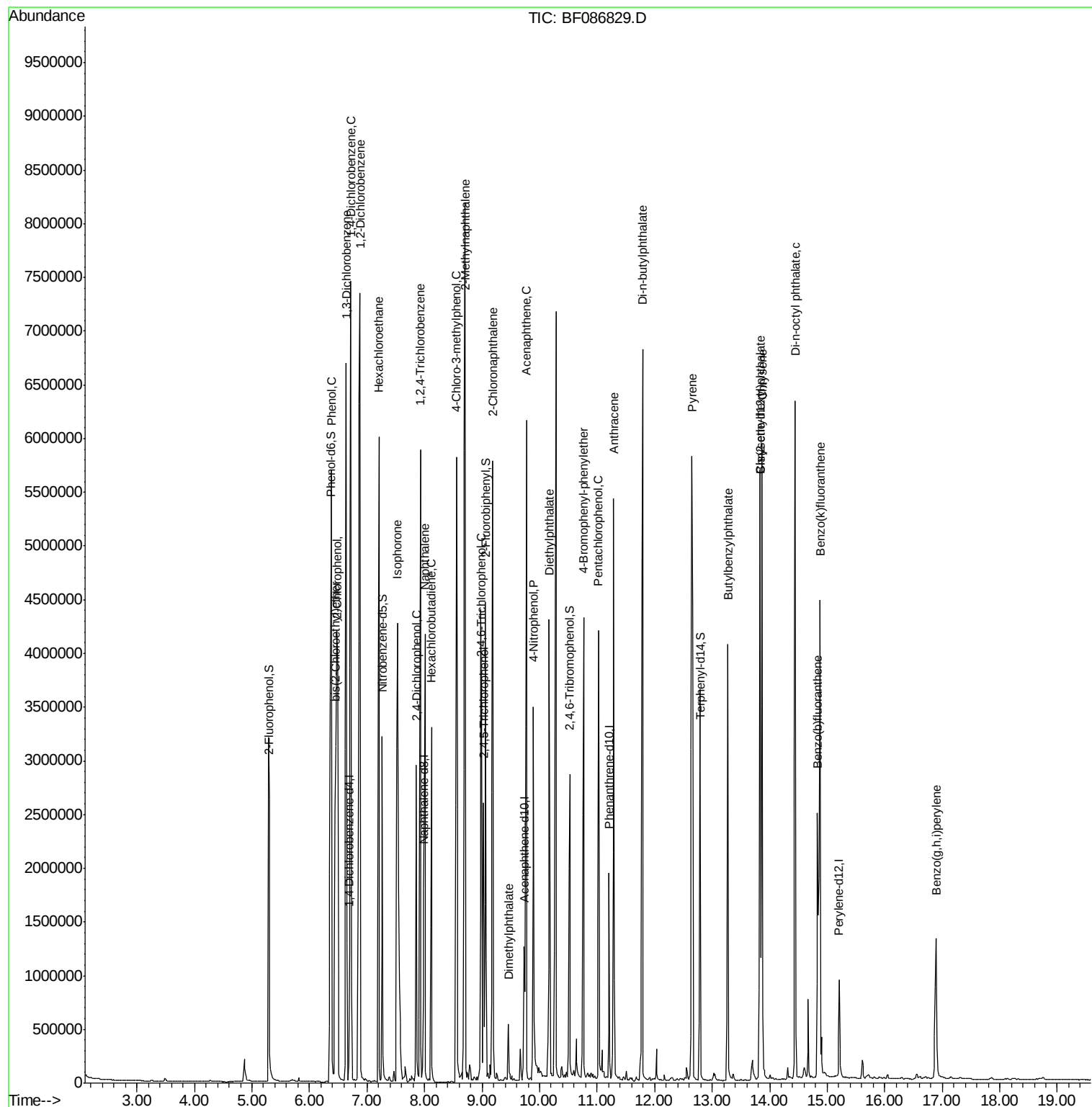
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
Data File : BF086829.D
Acq On : 9 May 2016 18:18
Operator : UM/SJ
Sample : H2817-15
Misc :
ALS Vial : 3 Sample Multiplier: 1

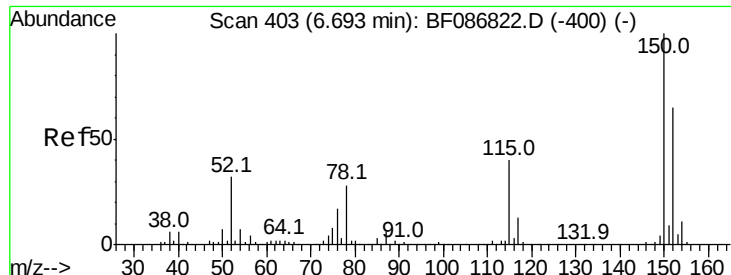
Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

Manual Integrations
APPROVED

sohil
5/10/2016 6:47:22 PM

Quant Time: May 10 14:19:08 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 09 16:04:56 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

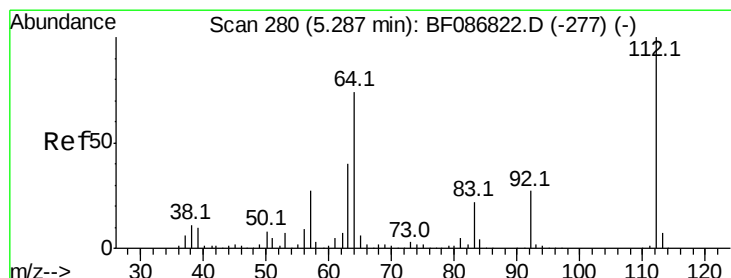
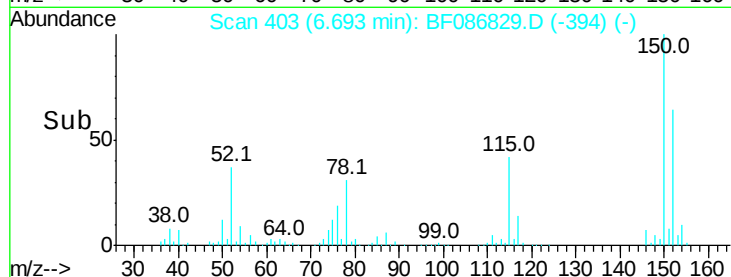
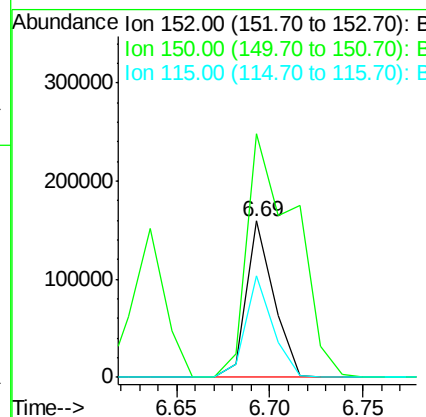
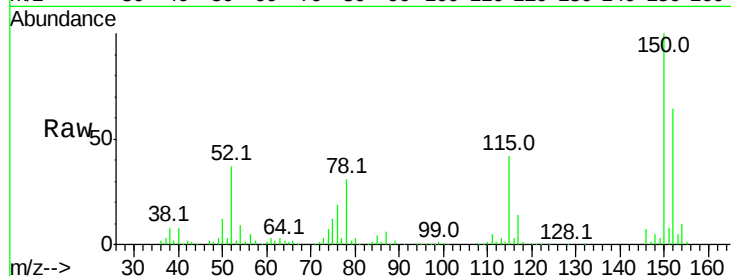
ClientSampleId :

PT-BNA-SOIL

Tot Ion:	152	Resp:	162582
Ion Ratio	Lower	Upper	
152	100		
150	156.0	125.8	188.6
115	65.4	51.5	77.3

Manual Integrations
APPROVED

sohil
5/10/2016 6:47:22 PM



#5

2-Fluorophenol

Concen: 118.34 ng

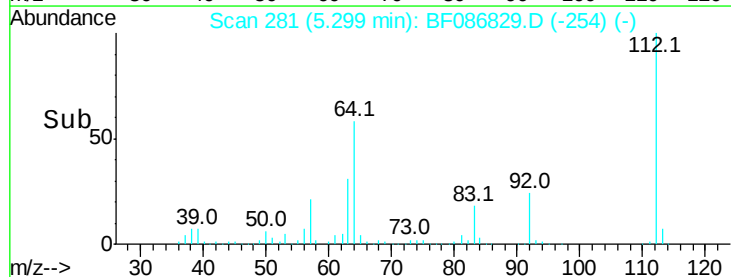
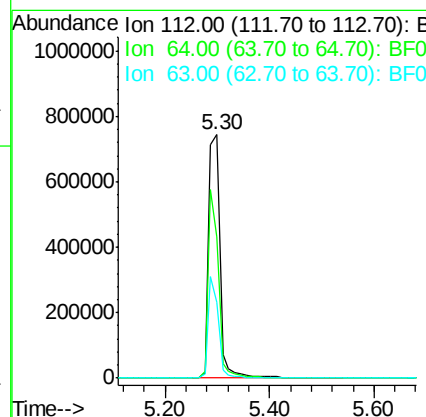
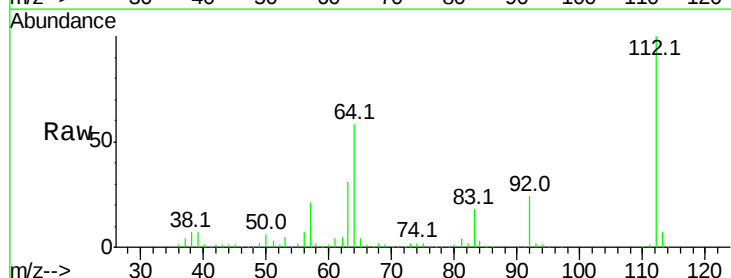
RT: 5.30 min Scan# 281

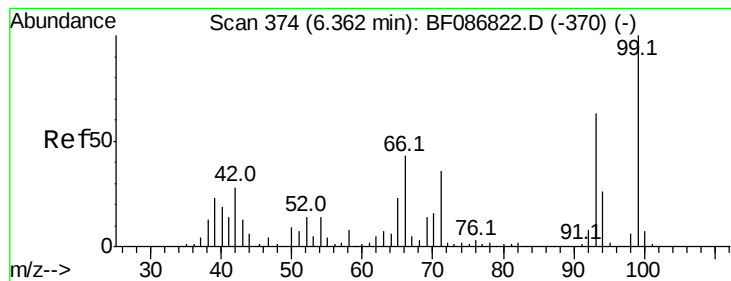
Delta R.T. 0.01 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Tgt Ion:	112	Resp:	1136053
Ion Ratio	Lower	Upper	
112	100		
64	58.1	52.1	78.1
63	31.2	25.7	38.5





#7

Phenol-d6

Concen: 119.26 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.01 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampled :

PT-BNA-SOIL

Tot Ion: 99 Resp: 1530128

Ion Ratio Lower Upper

99 100

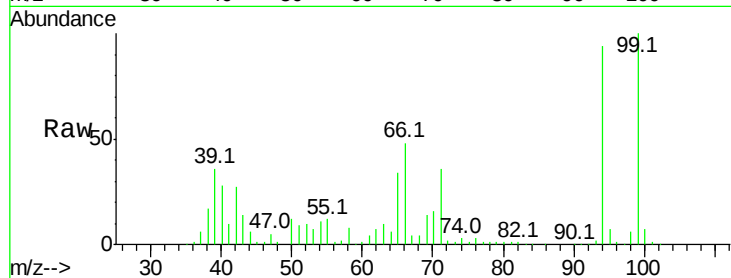
42 27.0 13.6 20.4#

71 36.0 24.6 36.8

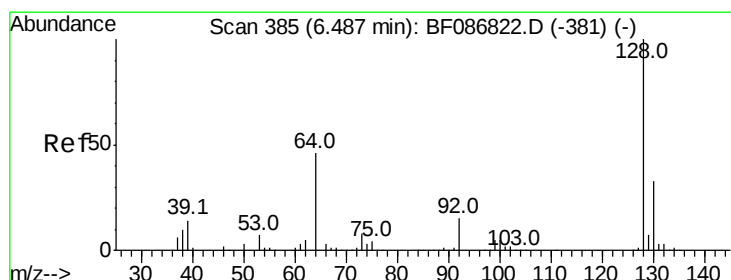
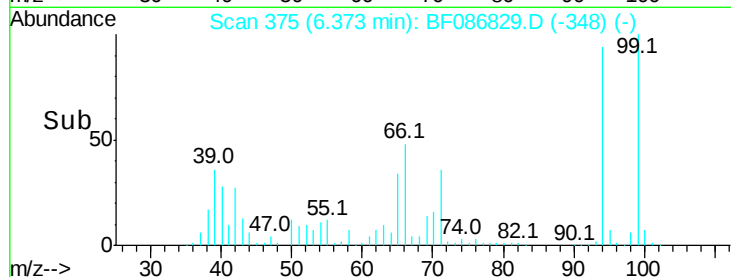
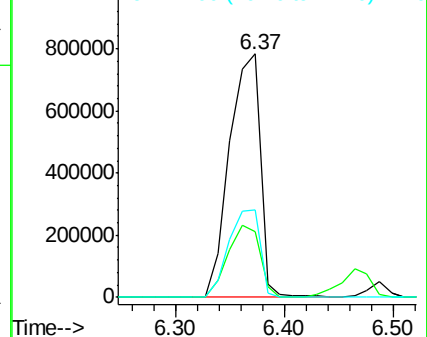
Manual Integrations
APPROVED

sohil

5/10/2016 6:47:22 PM



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



#8

2-Chlorophenol

Concen: 86.82 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

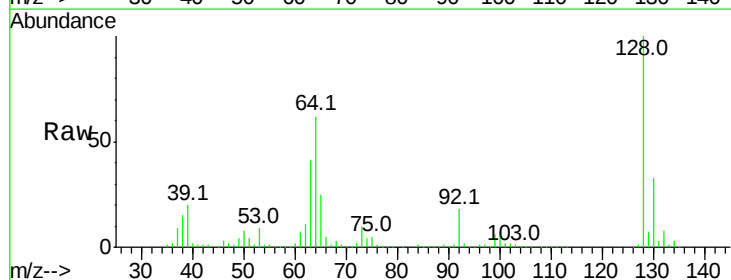
Tgt Ion:128 Resp: 1005718

Ion Ratio Lower Upper

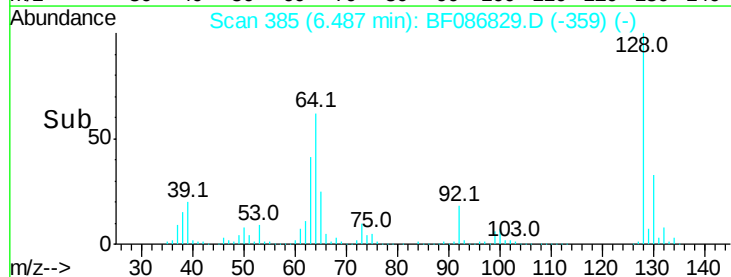
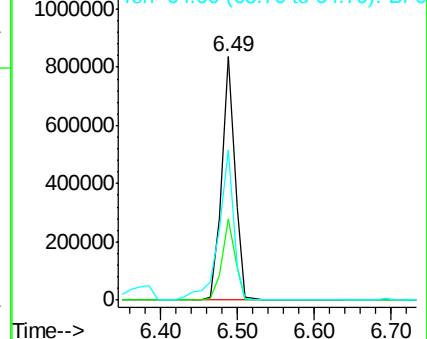
128 100

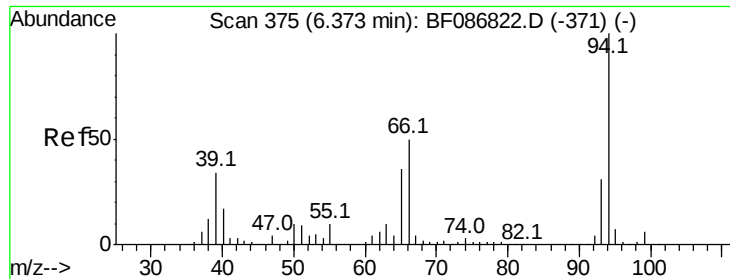
130 33.0 12.5 52.5

64 61.7 27.3 67.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#10

Phenol

Concen: 129.95 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampled :

PT-BNA-SOIL

Tot Ion: 94 Resp: 1981828

Ion Ratio Lower Upper

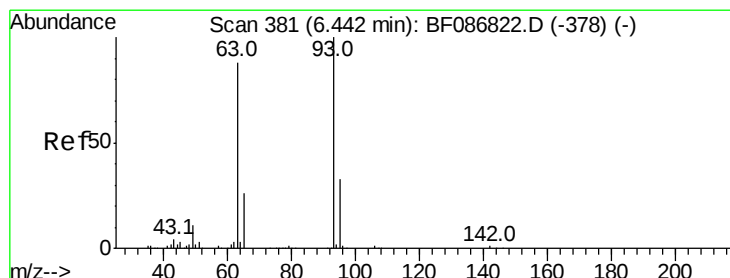
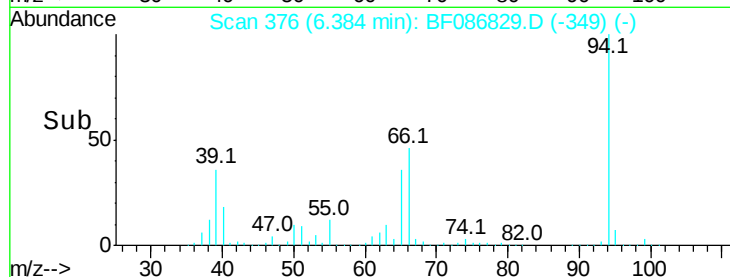
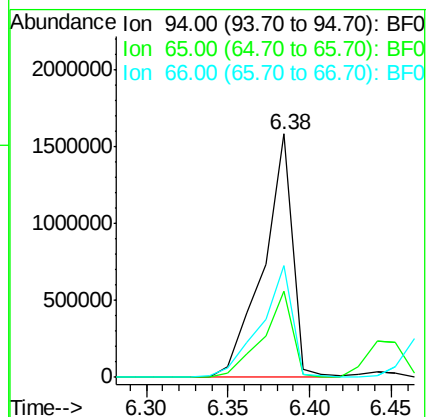
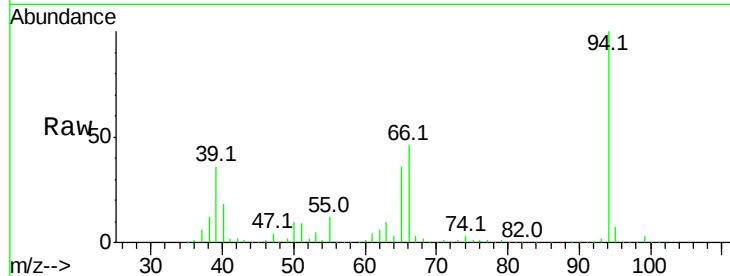
94 100

65 35.5 7.2 47.2

66 45.9 14.9 54.9

Manual Integrations
APPROVED

sohil
5/10/2016 6:47:22 PM



#11

bis(2-Chloroethyl)ether

Concen: 106.85 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.01 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

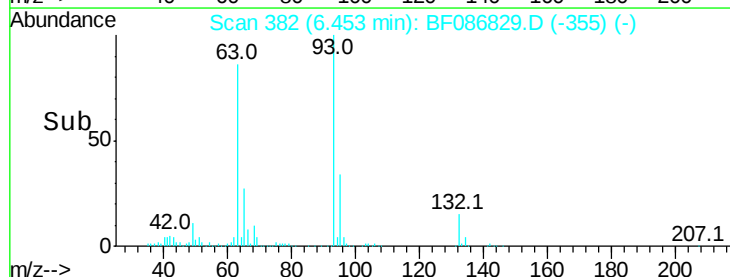
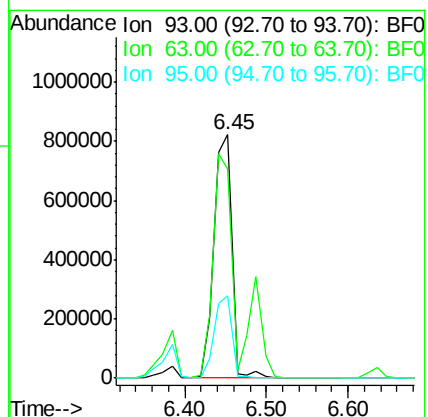
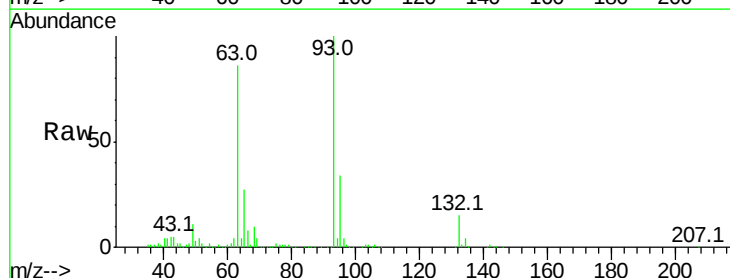
Tgt Ion: 93 Resp: 1270571

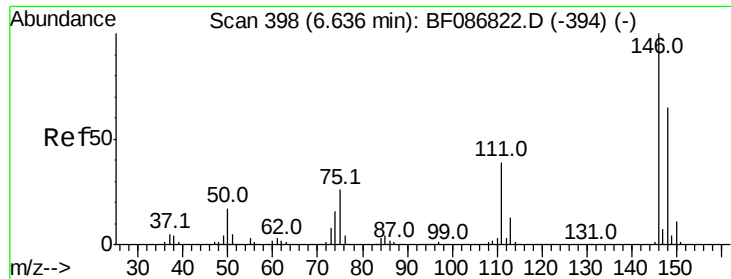
Ion Ratio Lower Upper

93 100

63 85.6 58.0 98.0

95 33.6 11.9 51.9





#12

1,3-Dichlorobenzene

Concen: 136.76 ng

RT: 6.64 min Scan# 398

Delta R.T. -0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tot Ion:146 Resp: 1714499

Ion Ratio Lower Upper

146 100

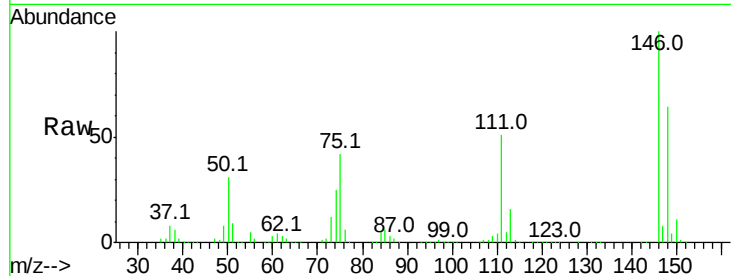
148 64.2 52.4 78.6

75 41.9 22.8 34.2#

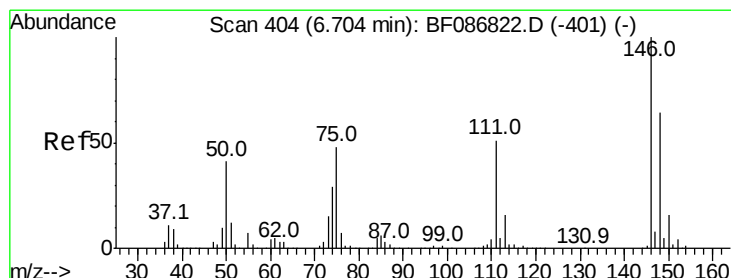
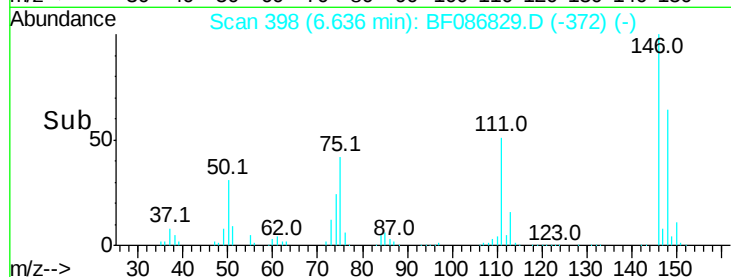
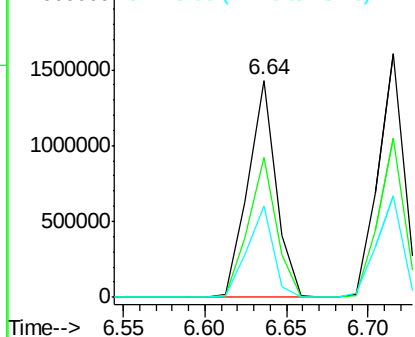
Manual Integrations
APPROVED

sohil

5/10/2016 6:47:22 PM



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 140.00 ng

RT: 6.72 min Scan# 405

Delta R.T. 0.01 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

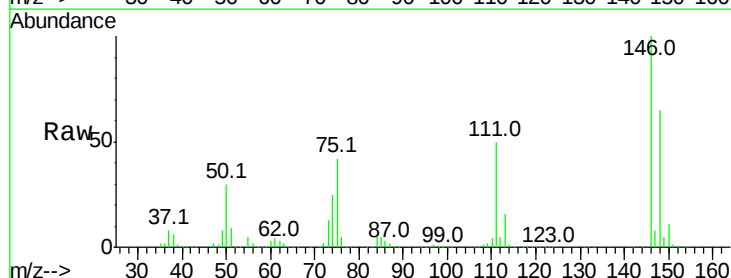
Tgt Ion:146 Resp: 1789770

Ion Ratio Lower Upper

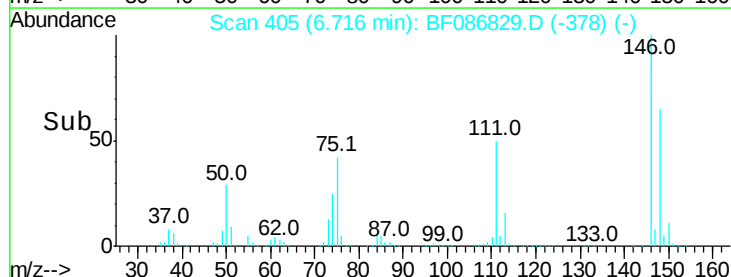
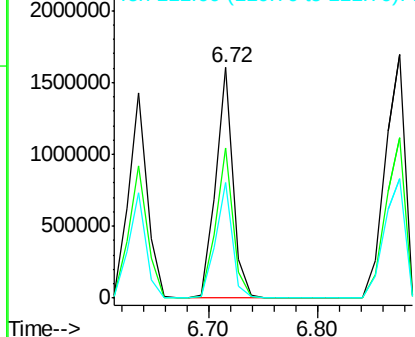
146 100

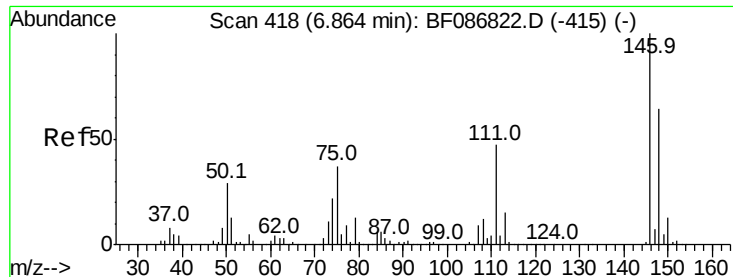
148 65.2 52.2 78.4

111 50.1 30.7 46.1#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 194.82 ng

RT: 6.88 min Scan# 419

Delta R.T. 0.01 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampled :

PT-BNA-SOIL

Tot Ion:146 Resp: 2170802

Ion Ratio Lower Upper

146 100

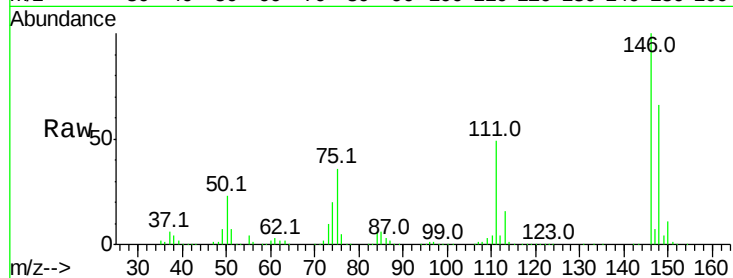
148 66.0 51.0 76.6

111 48.9 36.2 54.4

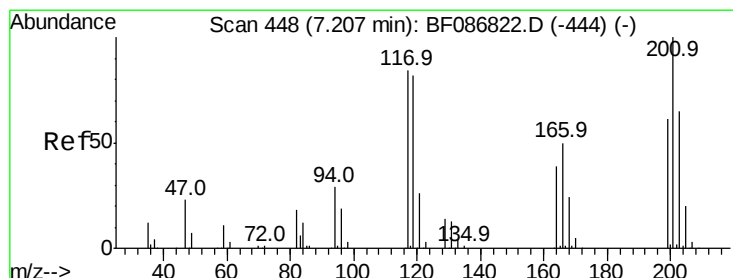
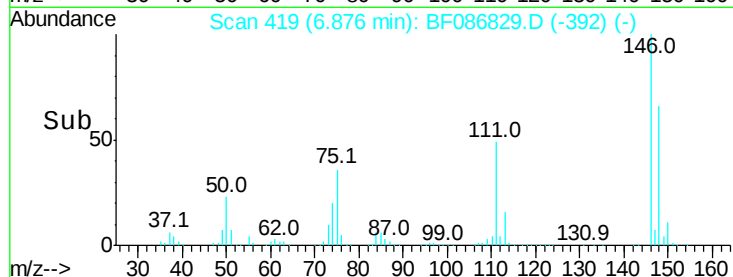
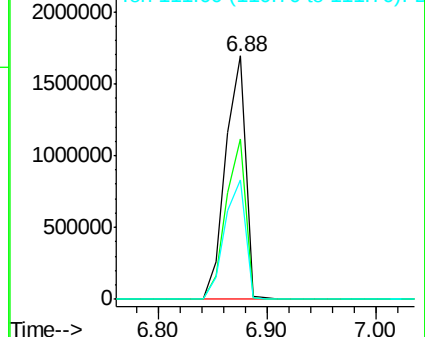
Manual Integrations
APPROVED

sohil

5/10/2016 6:47:22 PM



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#18

Hexachloroethane

Concen: 172.11 ng

RT: 7.21 min Scan# 448

Delta R.T. -0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

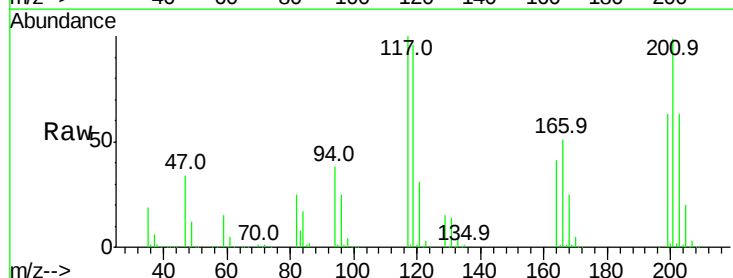
Tgt Ion:117 Resp: 827837

Ion Ratio Lower Upper

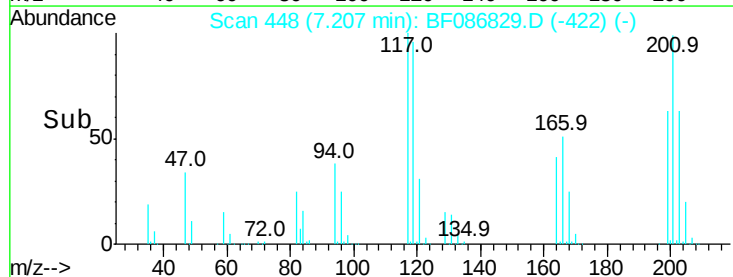
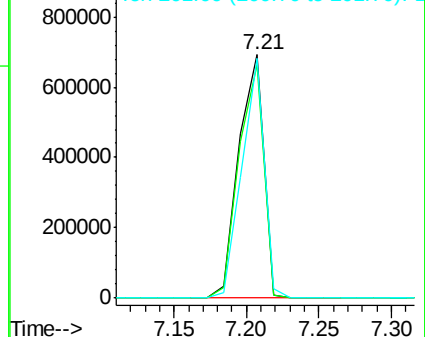
117 100

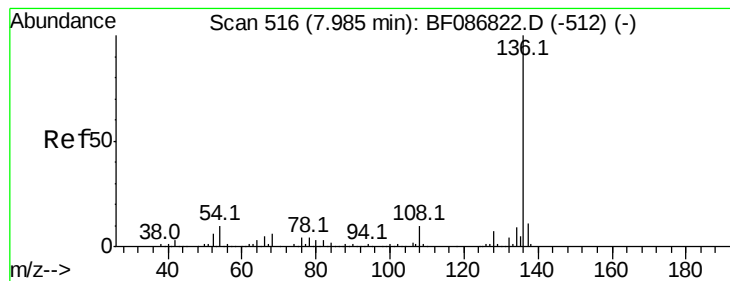
119 96.0 76.5 114.7

201 98.7 63.0 94.6#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

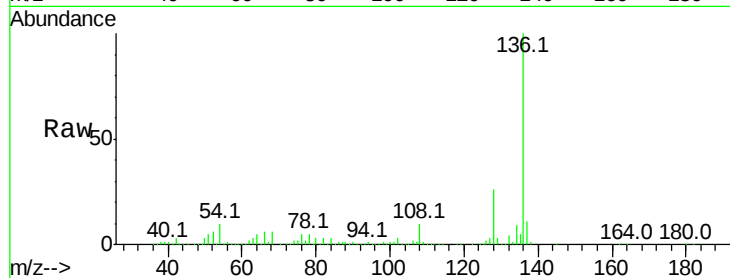
ClientSampled :

PT-BNA-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
136	100	712784		
137	10.9	8.8	13.2	
54	10.2	5.0	7.4#	
68	5.7	4.4	6.6	

Manual Integrations
APPROVED

sohil
5/10/2016 6:47:22 PM

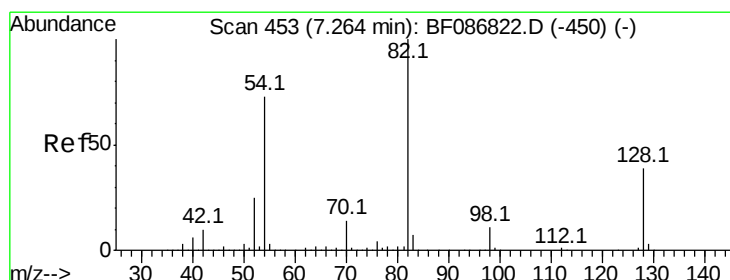
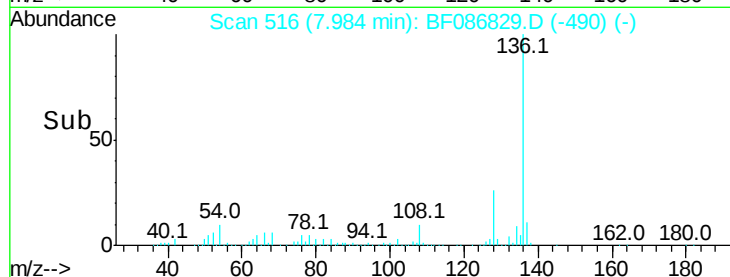
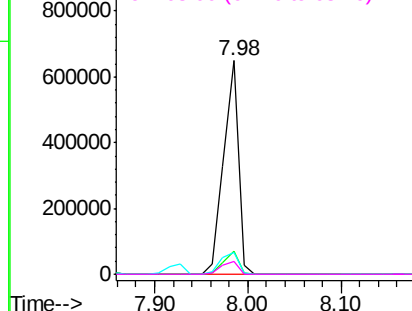


Abundance Ion 136.00 (135.70 to 136.70): E

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: 73.60 ng

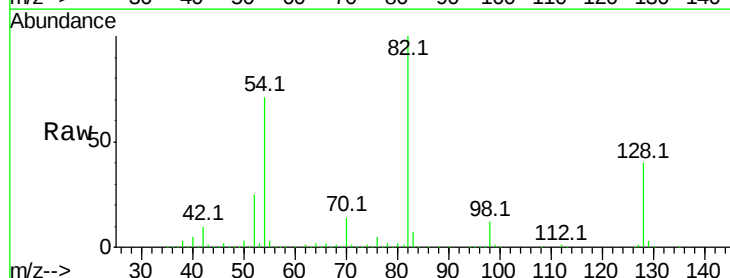
RT: 7.26 min Scan# 453

Delta R.T. -0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

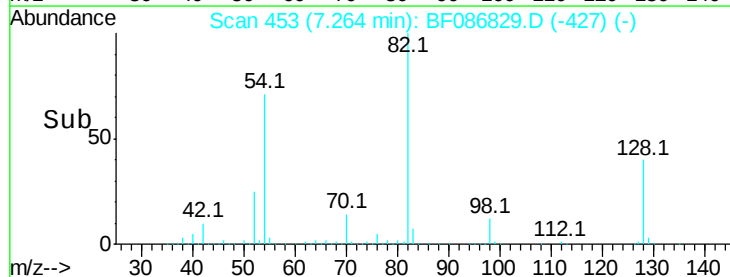
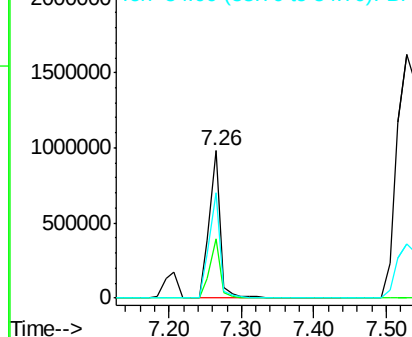
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1044724		
128	40.4	40.6	61.0#	
54	71.4	38.1	57.1#	

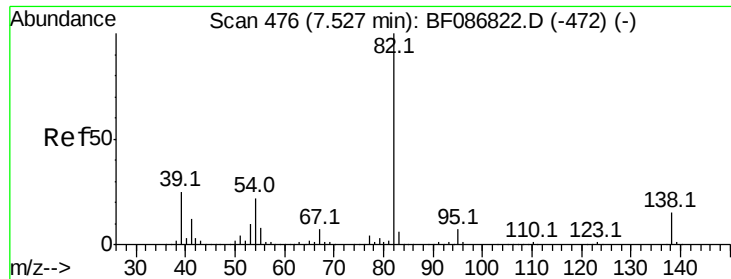


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 155.52 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tot Ion: 82 Resp: 4096032

Ion Ratio Lower Upper

82 100

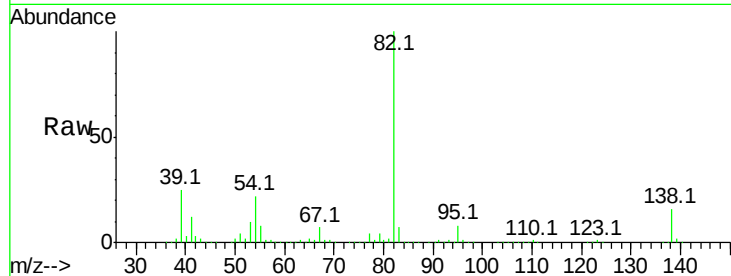
95 7.6 5.1 7.7

138 16.0 12.4 18.6

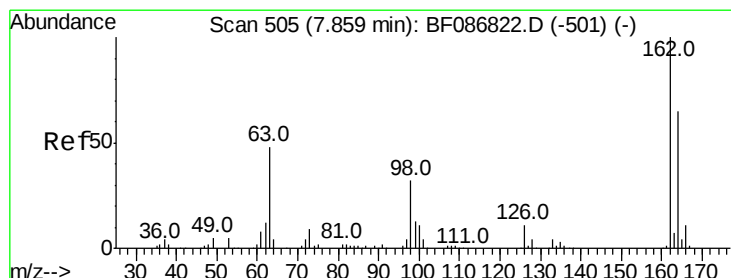
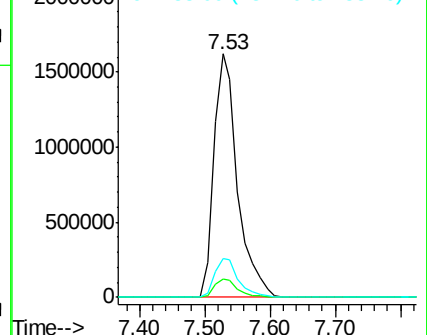
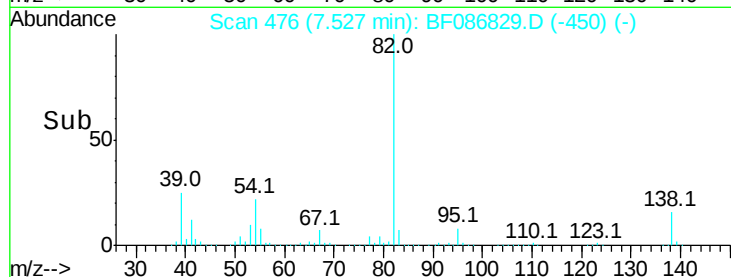
Manual Integrations
APPROVED

sohil

5/10/2016 6:47:22 PM



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#29

2,4-Dichlorophenol

Concen: 75.23 ng

RT: 7.86 min Scan# 505

Delta R.T. -0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

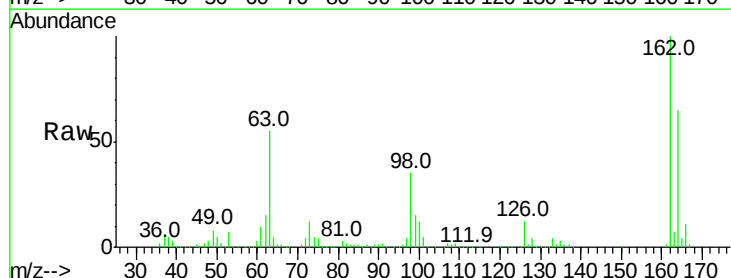
Tgt Ion:162 Resp: 723967

Ion Ratio Lower Upper

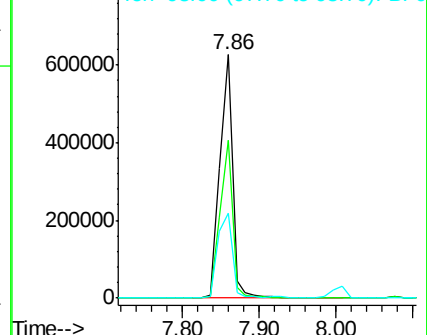
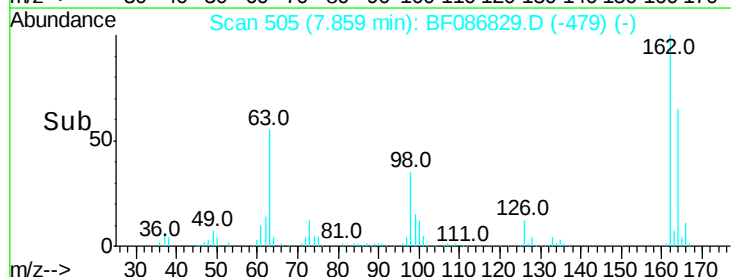
162 100

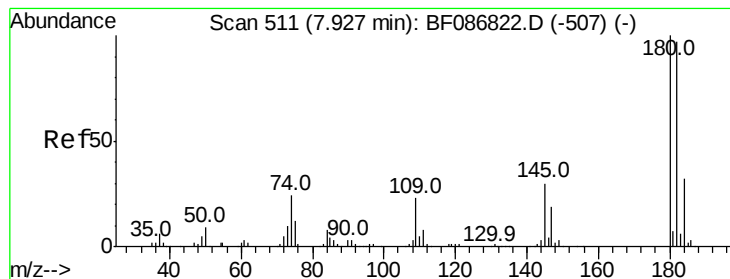
164 65.0 42.2 82.2

98 35.0 19.0 59.0



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0





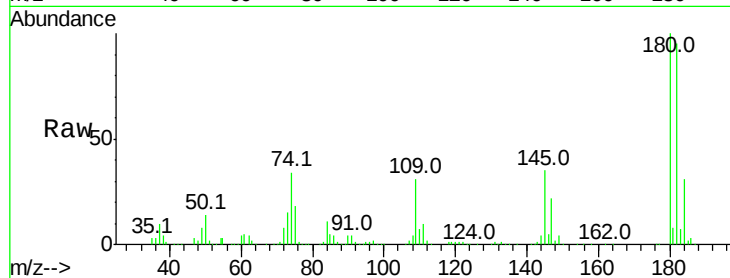
#30
 1,2,4-Trichlorobenzene
 Concen: 112.78 ng
 RT: 7.93 min Scan# 511
 Delta R.T. -0.00 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

Instrument :
 BNA_F
 ClientSampled :
 PT-BNA-SOIL

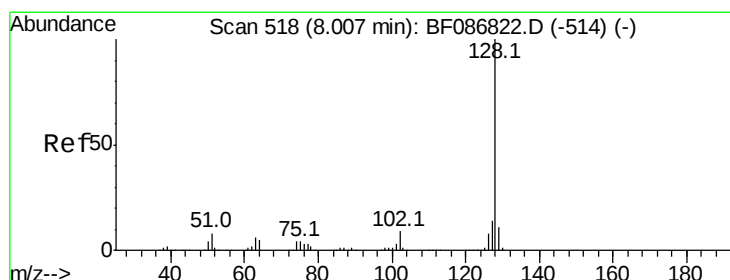
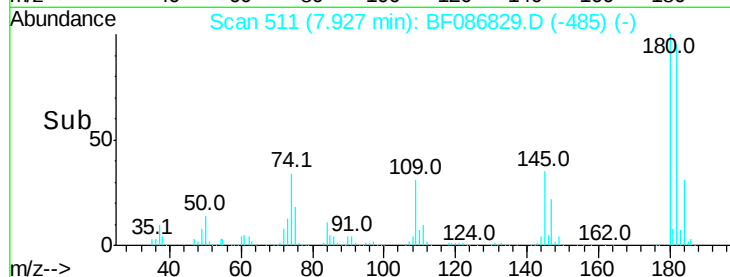
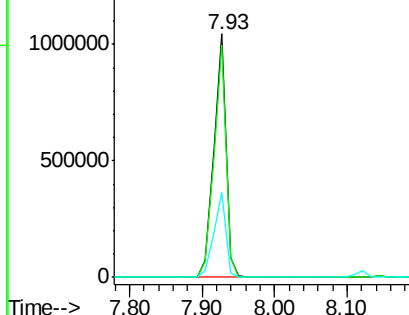
Tot Ion:180 Resp: 1213609
 Ion Ratio Lower Upper
 180 100
 182 95.1 78.0 117.0
 145 34.9 24.2 36.2

Manual Integrations
 APPROVED

sohil
 5/10/2016 6:47:22 PM

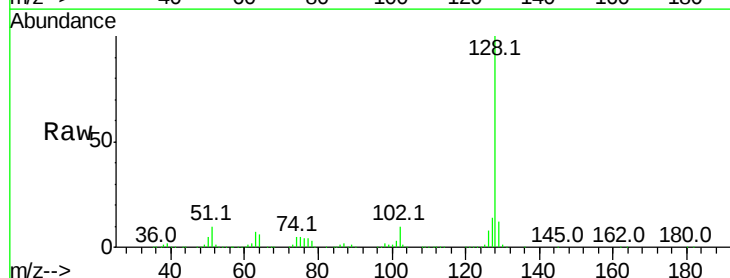


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

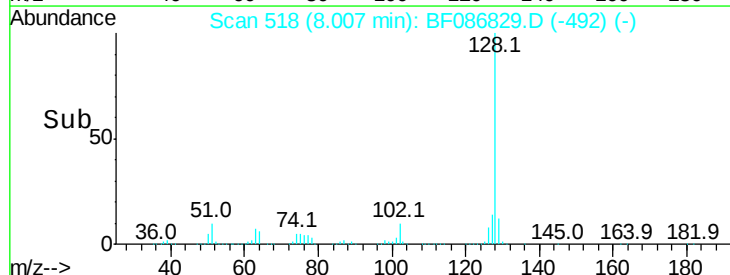
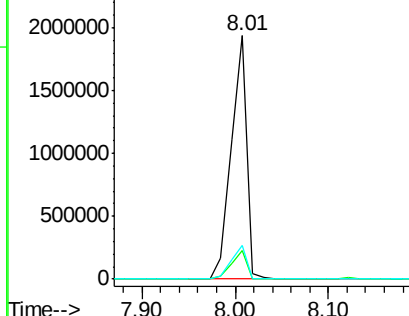


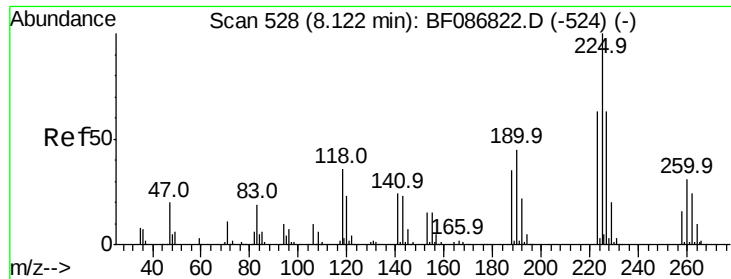
#31
 Naphthalene
 Concen: 63.32 ng
 RT: 8.01 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

Tgt Ion:128 Resp: 2260702
 Ion Ratio Lower Upper
 128 100
 129 11.5 8.6 13.0
 127 14.1 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#34

Hexachlorobutadiene

Concen: 63.88 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

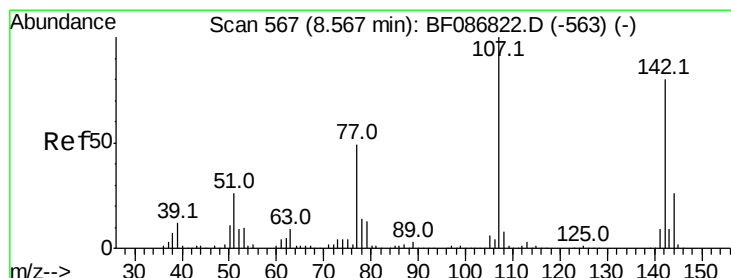
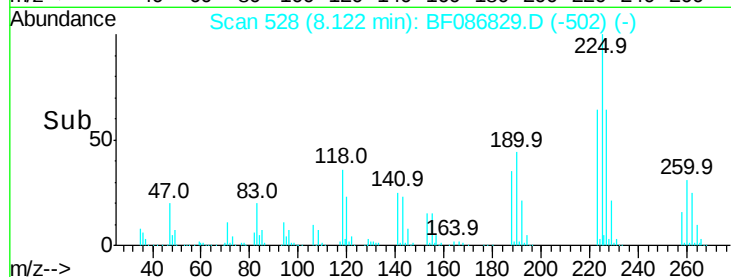
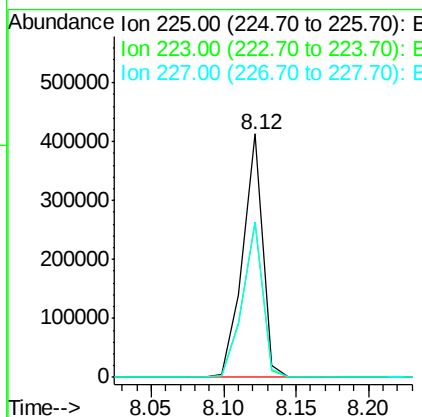
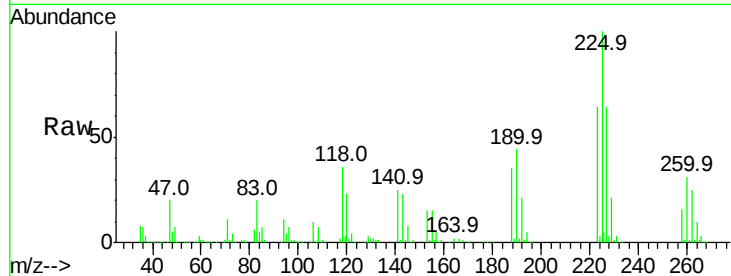
ClientSampled :

PT-BNA-SOIL

Tot Ion:	225	Resp:	398817
Ion Ratio	Lower	Upper	
225	100		
223	63.5	51.5	77.3
227	63.8	52.2	78.2

Manual Integrations
APPROVED

sohil
5/10/2016 6:47:22 PM



#36

4-Chloro-3-methylphenol

Concen: 135.15 ng

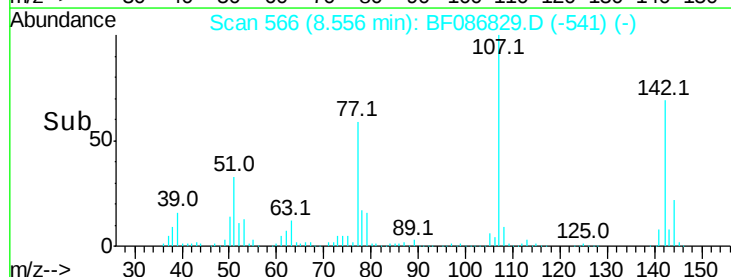
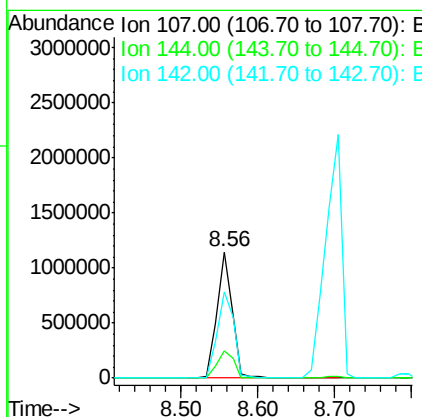
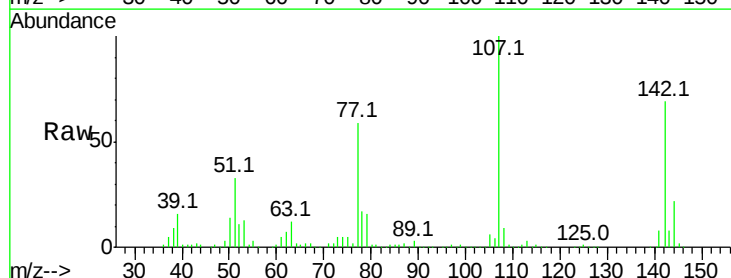
RT: 8.56 min Scan# 566

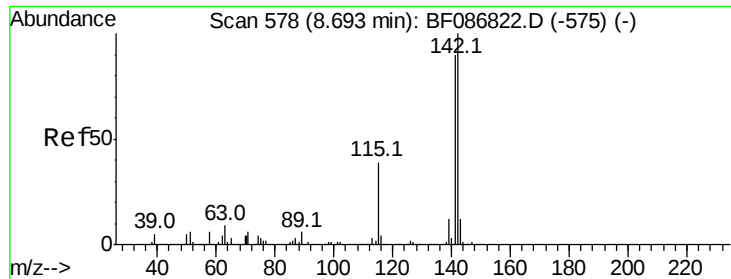
Delta R.T. -0.01 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Tgt Ion:	107	Resp:	1577436
Ion Ratio	Lower	Upper	
107	100		
144	22.2	20.7	31.1
142	68.8	63.2	94.8





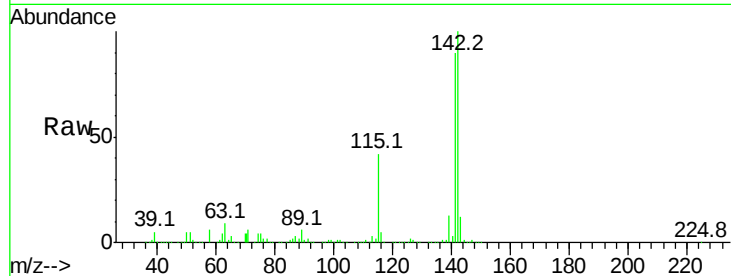
#37
2-Methylnaphthalene
Concen: 152.91 ng
RT: 8.70 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

Instrument :
BNA_F
ClientSampled :
PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.0	106.6
115	42.2	26.6	39.8

Manual Integrations
APPROVED

sohil
5/10/2016 6:47:22 PM

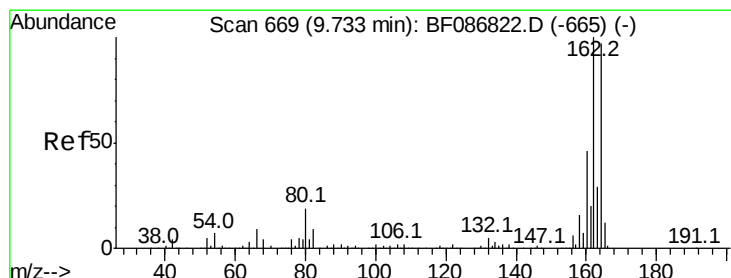
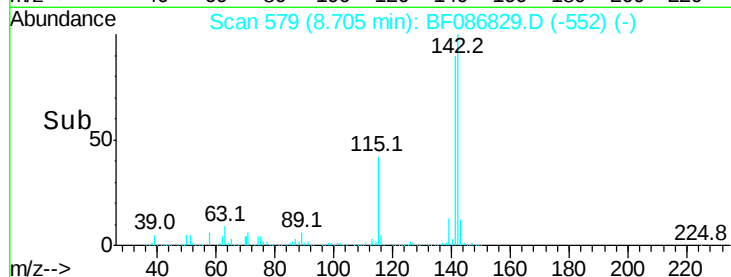
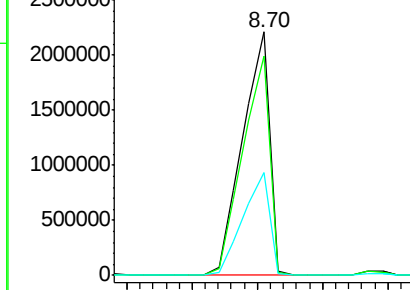


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.00 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

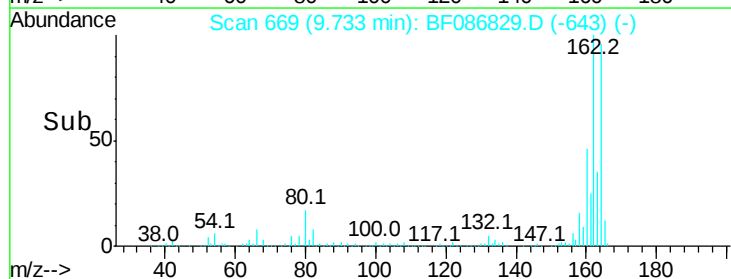
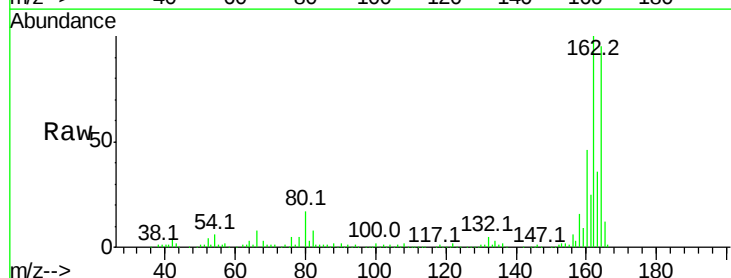
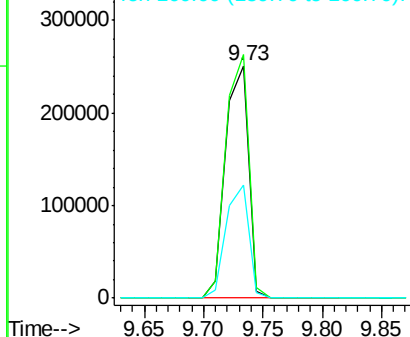
Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	82.8	124.2
160	48.4	36.9	55.3

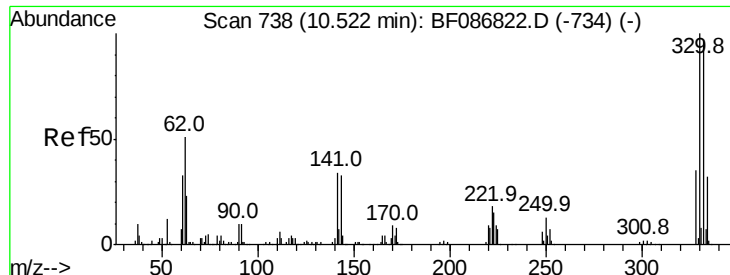
Abundance

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





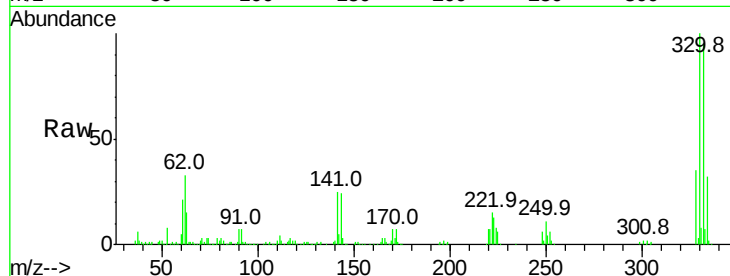
#41
 2,4,6-Tribromophenol
 Concen: 118.50 ng
 RT: 10.52 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

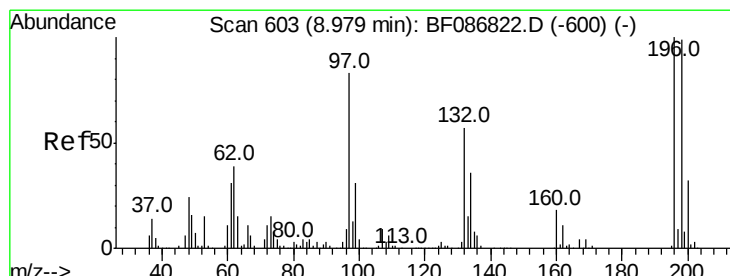
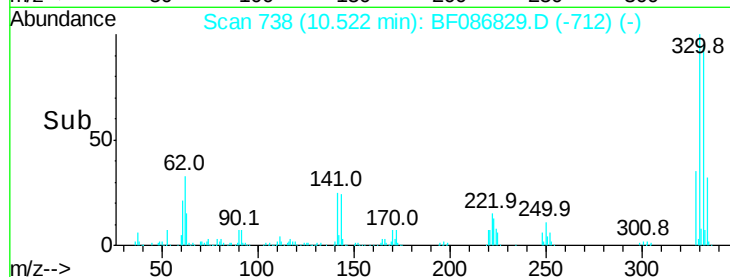
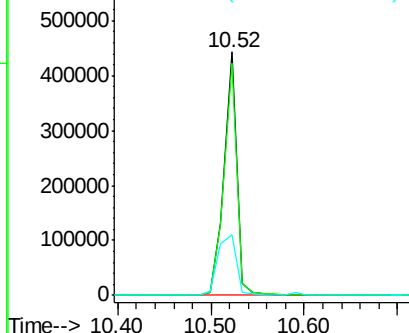
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	79.0	118.4
141	35.5	31.2	46.8

Manual Integrations
 APPROVED

sohil
 5/10/2016 6:47:22 PM



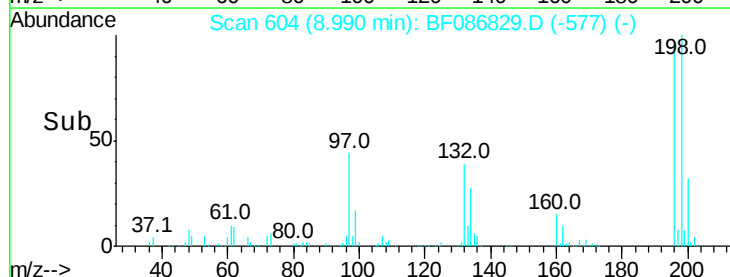
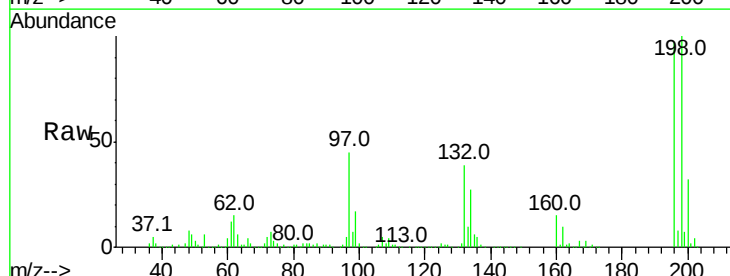
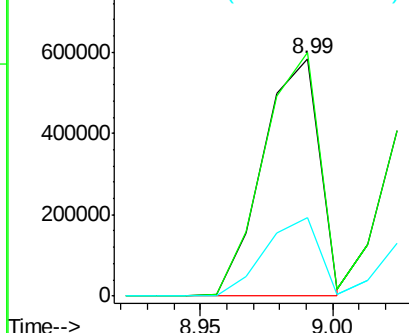
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

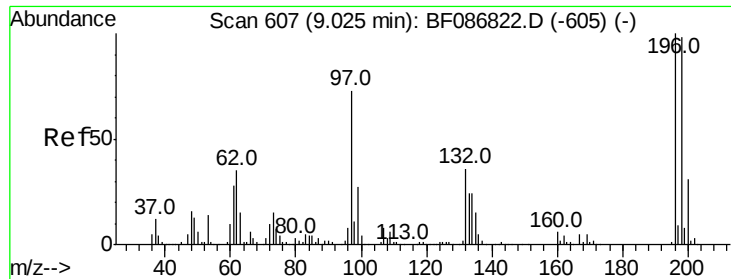


#42
 2,4,6-Trichlorophenol
 Concen: 130.78 ng m
 RT: 8.99 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

Tgt Ion	Ratio	Lower	Upper
196	100		
198	102.6	74.7	112.1
200	33.4	23.8	35.6

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





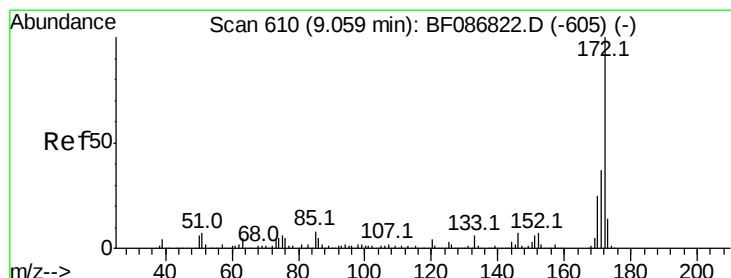
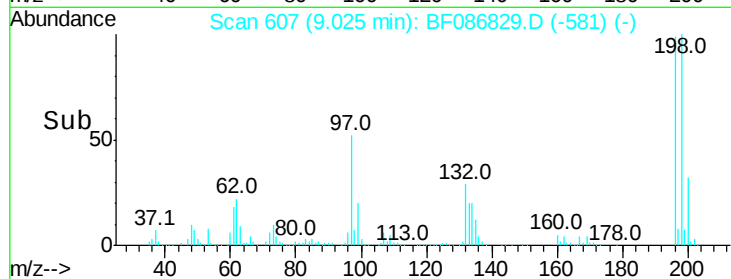
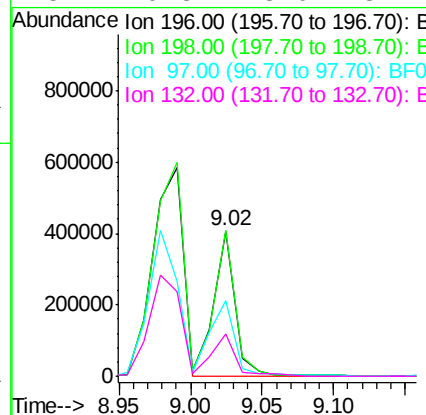
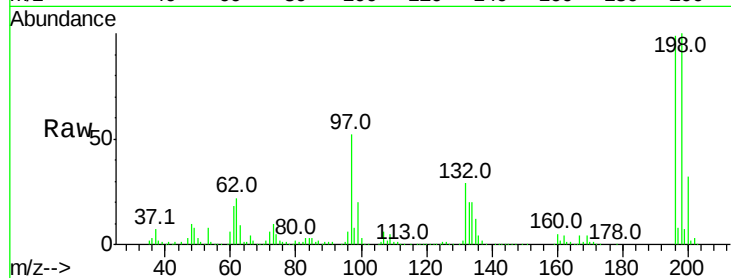
#43
 2,4,5-Trichlorophenol
 Concen: 61.71 ng/ml
 RT: 9.02 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion:	196	Resp:	420690
Ion Ratio	Lower	Upper	
196	100		
198	100.5	77.5	116.3
97	52.1	34.8	52.2
132	29.3	23.0	34.4

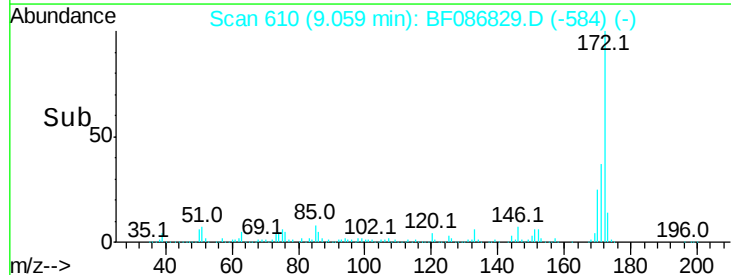
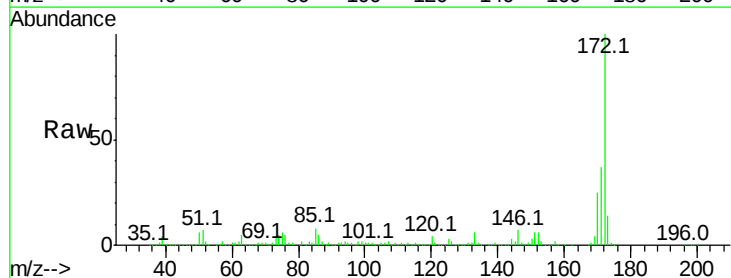
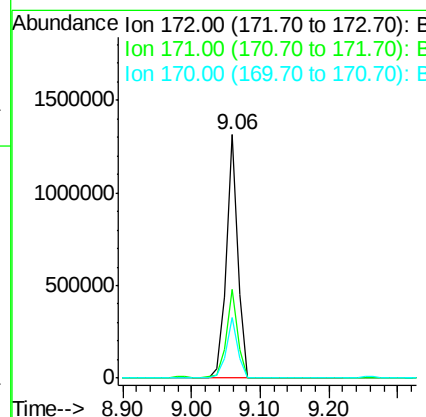
Manual Integrations
 APPROVED

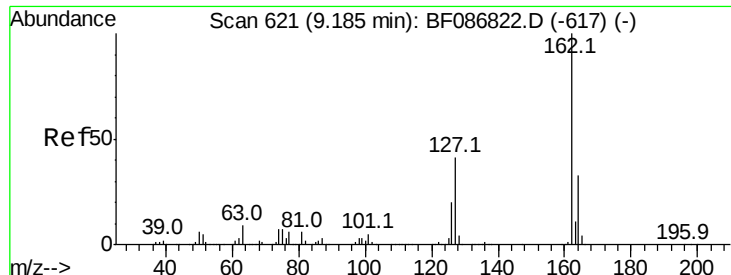
sohil
 5/10/2016 6:47:22 PM



#44
 2-Fluorobiphenyl
 Concen: 77.42 ng/ml
 RT: 9.06 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

Tgt Ion:	172	Resp:	1561834
Ion Ratio	Lower	Upper	
172	100		
171	36.5	29.0	43.6
170	24.7	19.8	29.8





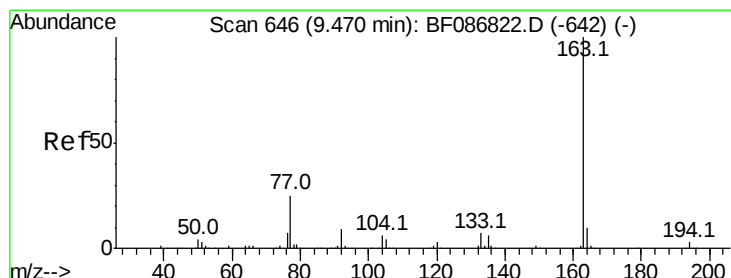
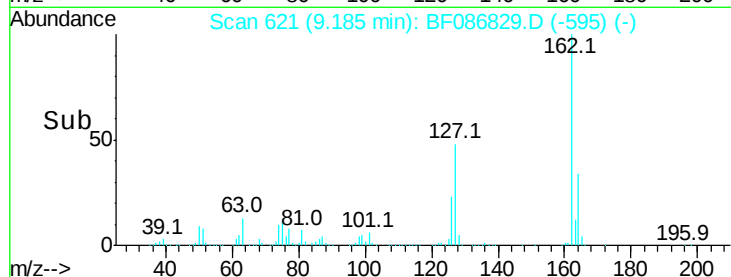
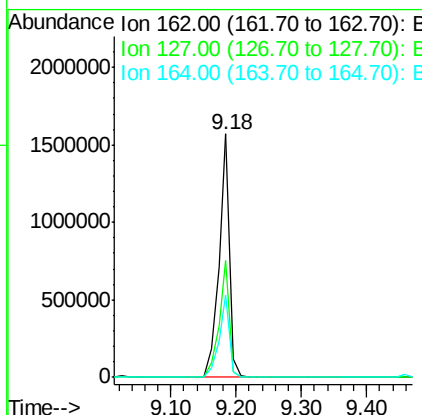
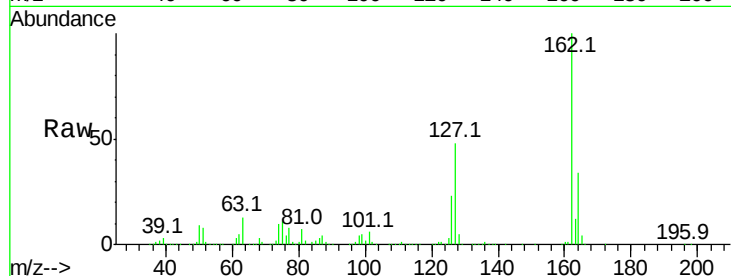
#46
2-Chloronaphthalene
Concen: 85.25 ng
RT: 9.18 min Scan# 621
Delta R.T. -0.00 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

Tot Ion:162 Resp: 1801245
Ion Ratio Lower Upper
162 100
127 48.1 31.8 47.6#
164 33.7 27.0 40.6

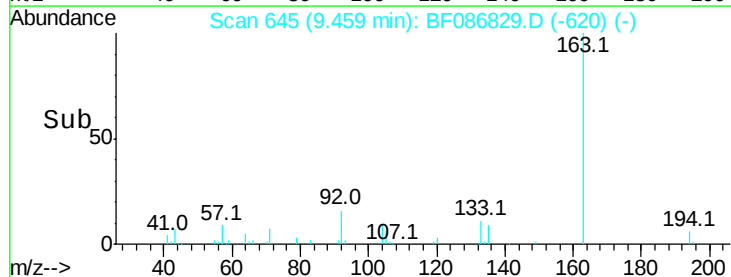
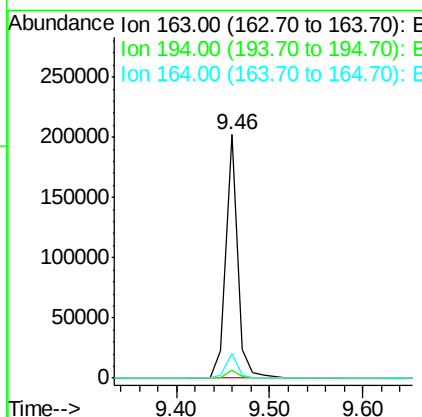
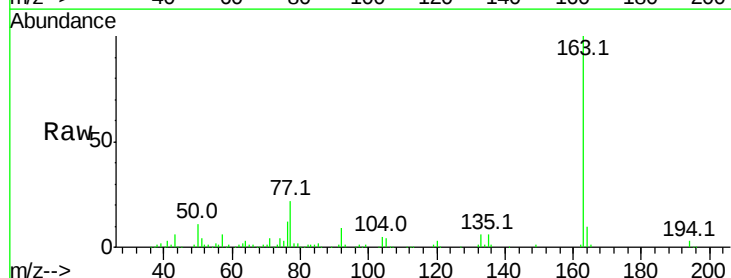
Manual Integrations
APPROVED

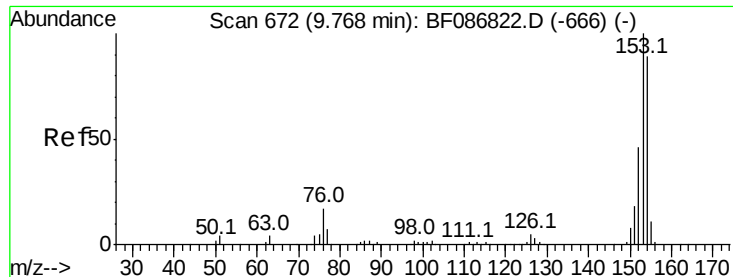
sohil
5/10/2016 6:47:22 PM



#49
Dimethylphthalate
Concen: 6.91 ng
RT: 9.46 min Scan# 645
Delta R.T. -0.01 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

Tgt Ion:163 Resp: 178757
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.0 8.2 12.4





#51

Acenaphthene

Concen: 83.70 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tot Ion:154 Resp: 1618166

Ion Ratio Lower Upper

154 100

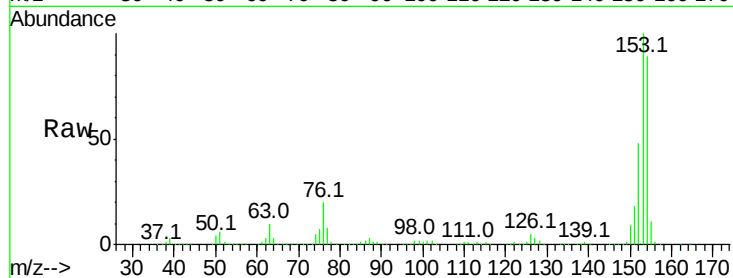
153 112.3 89.8 134.6

152 53.6 43.4 65.0

Manual Integrations
APPROVED

sohil

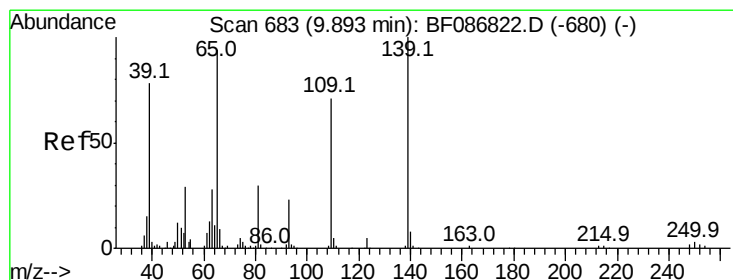
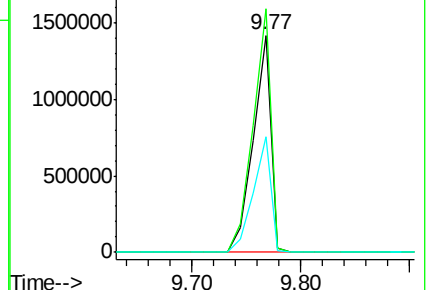
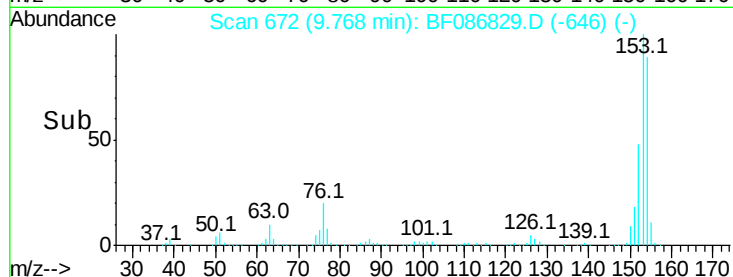
5/10/2016 6:47:22 PM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

4-Nitrophenol

Concen: 159.95 ng

RT: 9.89 min Scan# 683

Delta R.T. 0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

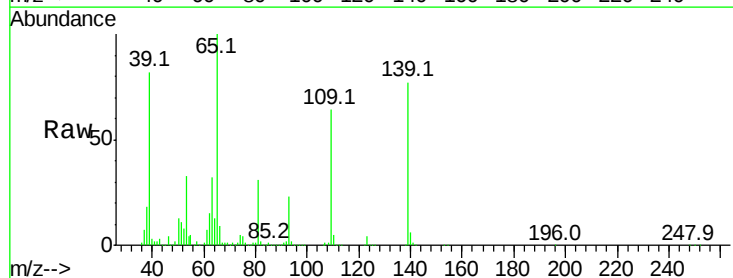
Tgt Ion:139 Resp: 629679

Ion Ratio Lower Upper

139 100

109 82.9 36.9 76.9#

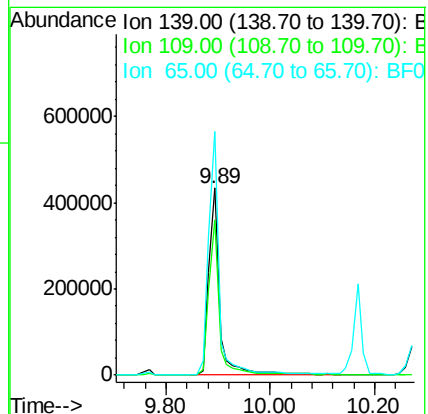
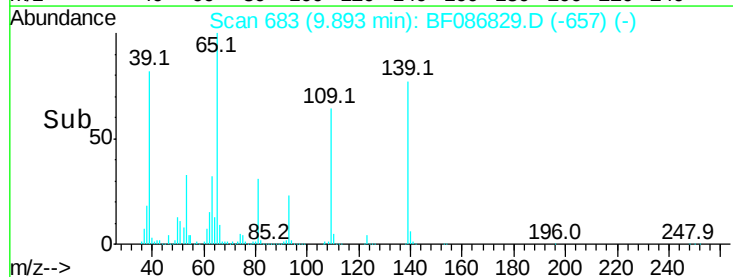
65 130.4 64.0 104.0#

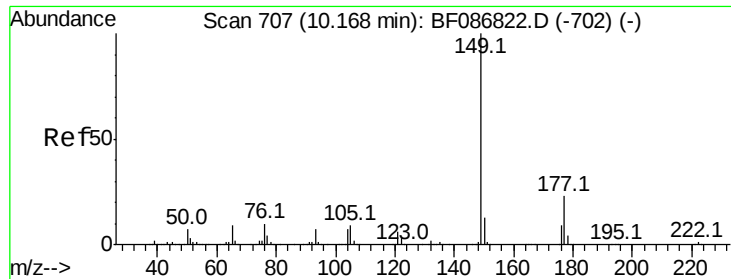


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#59

Diethylphthalate

Concen: 78.58 ng

RT: 10.17 min Scan# 707

Delta R.T. -0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampled :

PT-BNA-SOIL

Tot Ion:149 Resp: 1980669

Ion Ratio Lower Upper

149 100

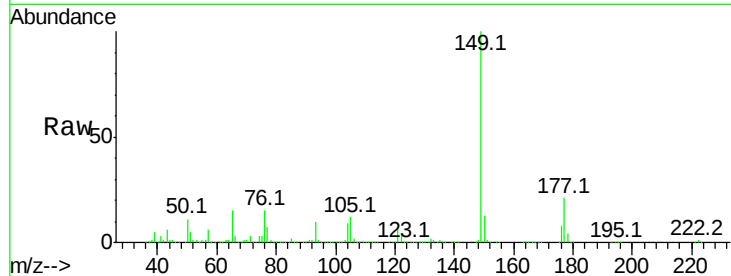
177 21.3 16.6 24.8

150 13.4 10.0 15.0

Manual Integrations
APPROVED

sohil

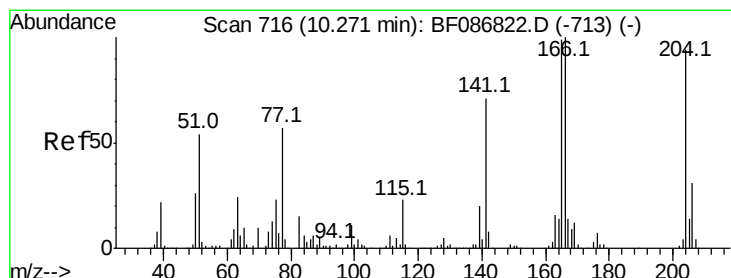
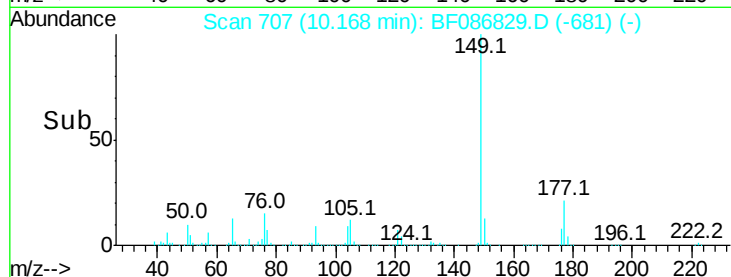
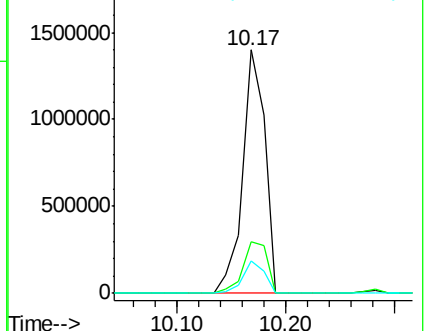
5/10/2016 6:47:22 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: Below Cal m

RT: 10.28 min Scan# 717

Delta R.T. 0.01 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

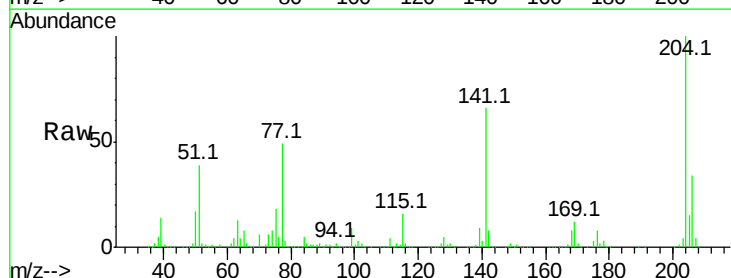
Tgt Ion:204 Resp: 1425117

Ion Ratio Lower Upper

204 100

206 34.1 25.4 38.0

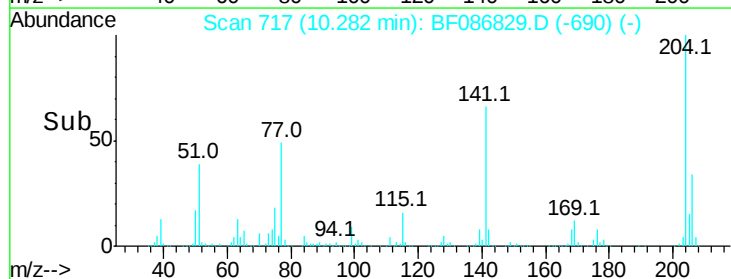
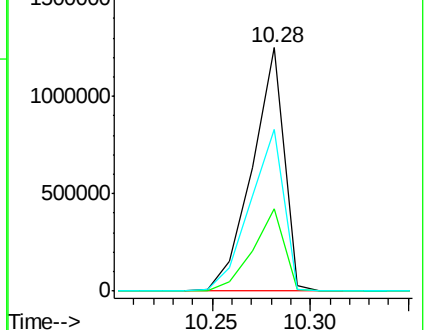
141 66.3 61.6 92.4

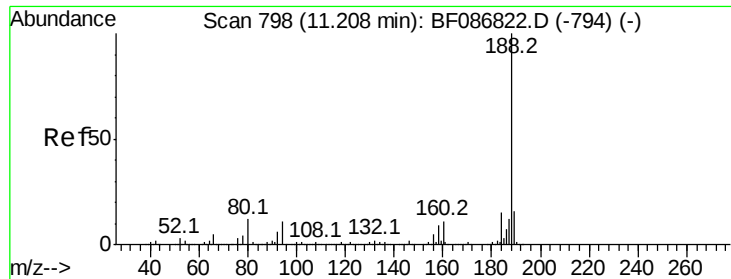


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 798

Delta R.T. -0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

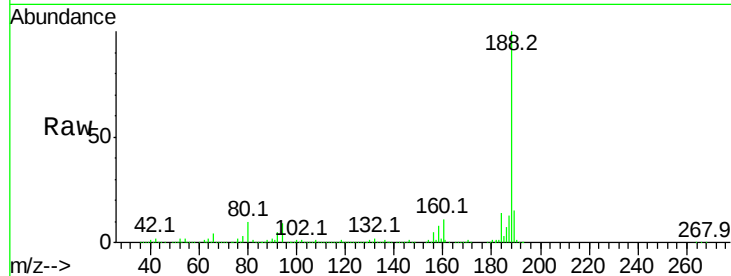
ClientSampled :

PT-BNA-SOIL

Tot Ion:	188	Resp:	657840
Ion Ratio	Lower	Upper	
188	100		
94	9.4	6.8	10.2
80	10.1	7.1	10.7

Manual Integrations
APPROVED

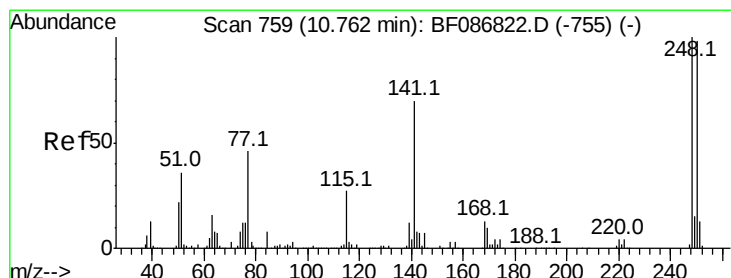
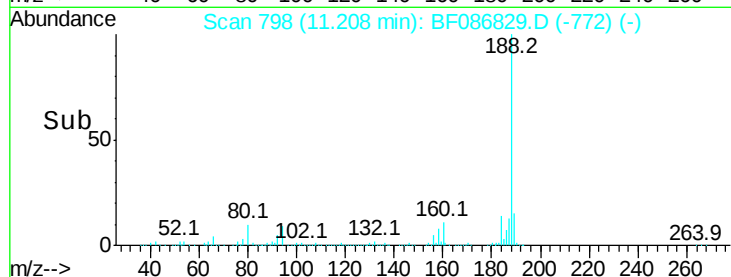
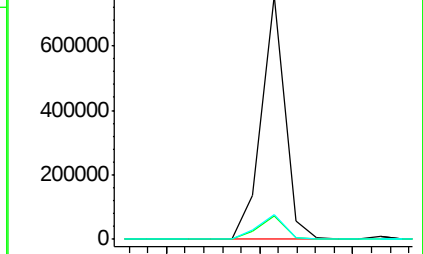
sohil
5/10/2016 6:47:22 PM



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



#66

4-Bromophenyl-phenylether

Concen: 79.75 ng

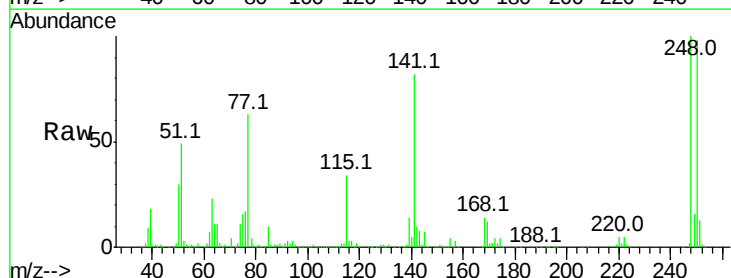
RT: 10.76 min Scan# 759

Delta R.T. -0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

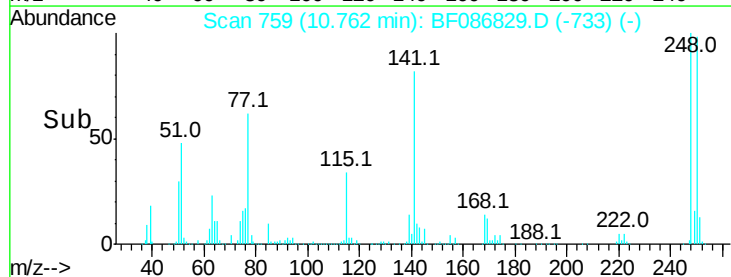
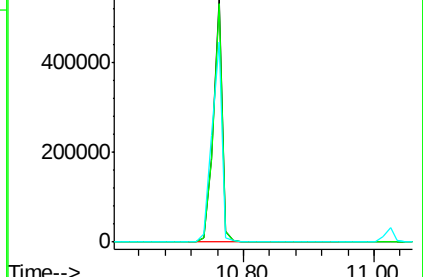
Tgt Ion:	248	Resp:	531889
Ion Ratio	Lower	Upper	
248	100		
250	97.8	78.6	117.8
141	82.2	76.0	114.0

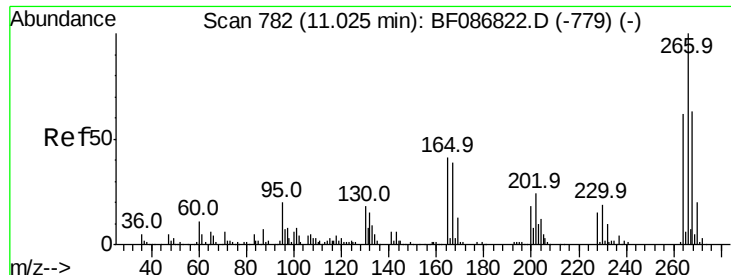


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





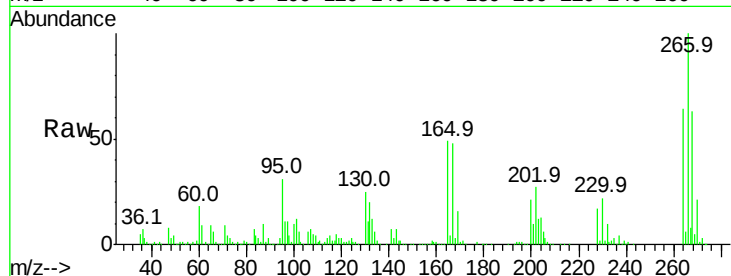
#69
 Pentachlorophenol
 Concen: 128.01 ng
 RT: 11.02 min Scan# 782
 Delta R.T. -0.00 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

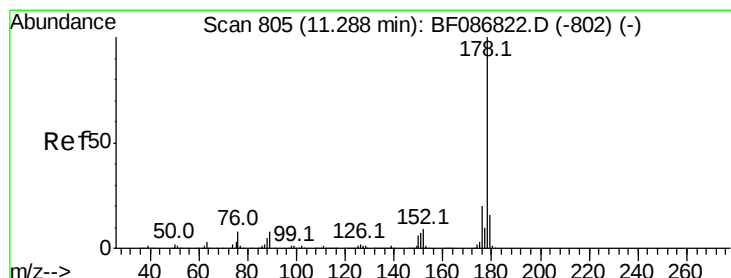
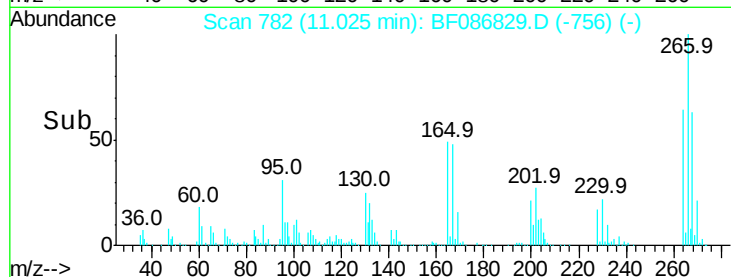
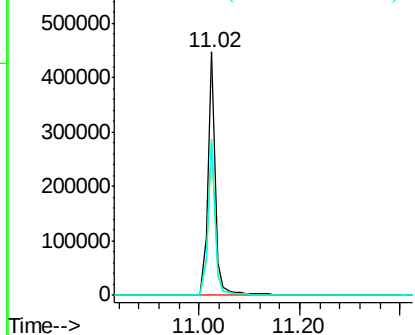
Tot Ion	Ratio	Resp	Lower	Upper
266	100	461153		
268	62.8	51.5	77.3	
264	64.1	52.9	79.3	

Manual Integrations
 APPROVED

sohil
 5/10/2016 6:47:22 PM

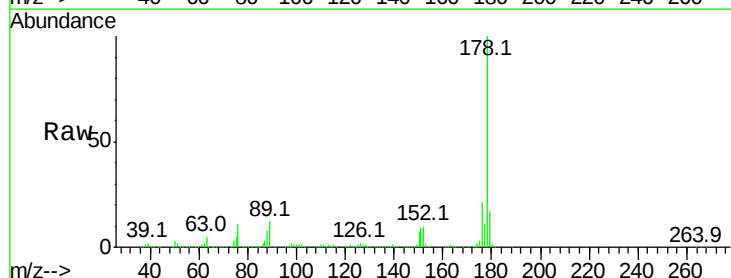


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

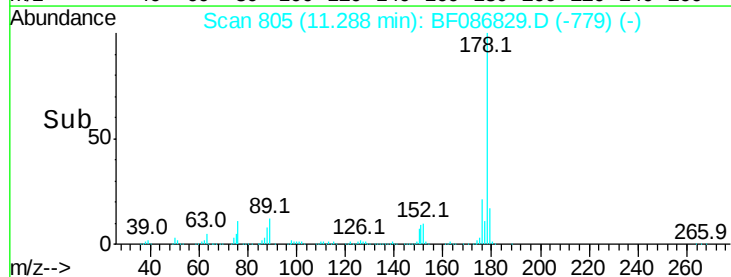
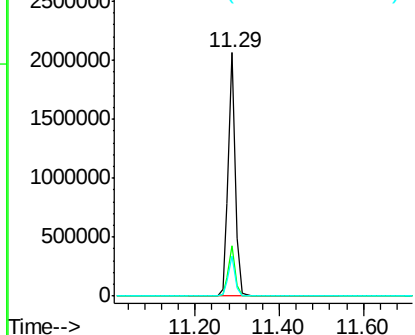


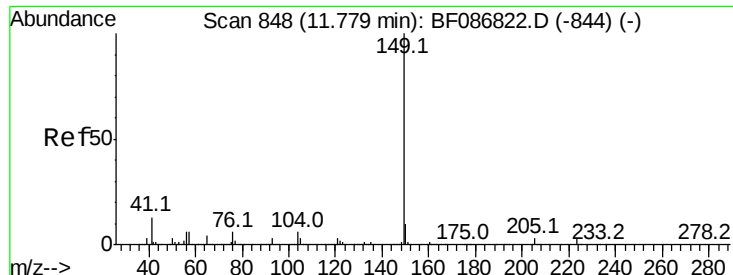
#71
 Anthracene
 Concen: 66.65 ng
 RT: 11.29 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2392802		
176	20.7	15.6	23.4	
179	16.6	12.7	19.1	



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: 112.33 ng

RT: 11.79 min Scan# 849

Delta R.T. 0.01 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOIL

Tot Ion:149 Resp: 4233786

Ion Ratio Lower Upper

149 100

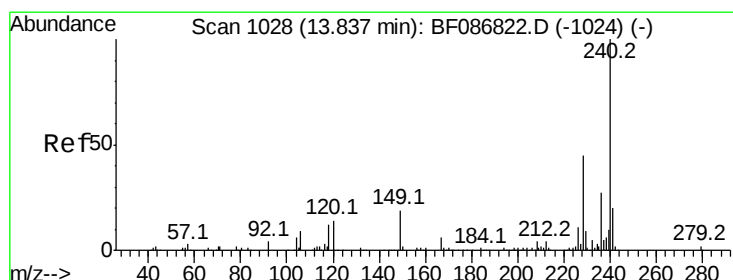
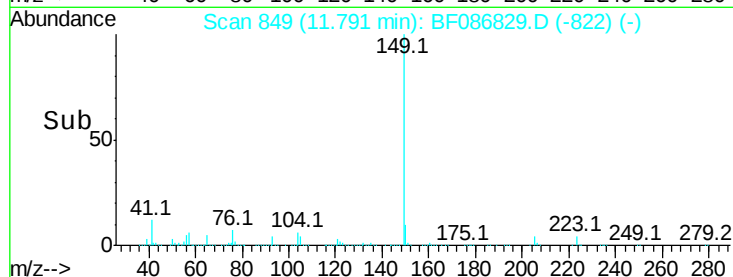
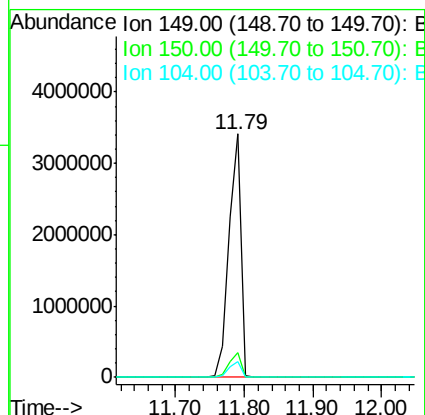
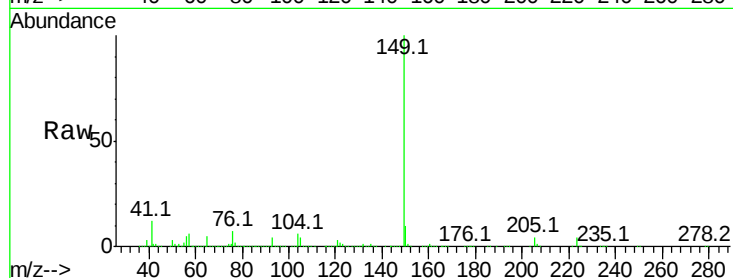
150 10.2 7.6 11.4

104 6.5 3.8 5.6#

Manual Integrations
APPROVED

sohil

5/10/2016 6:47:22 PM



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

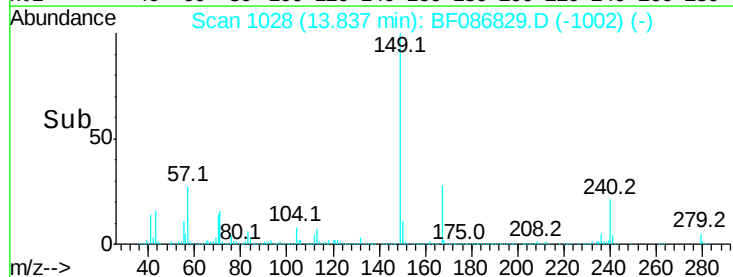
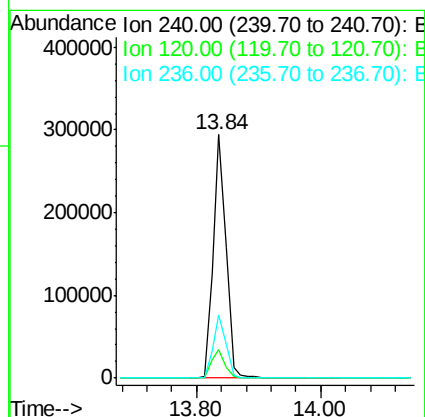
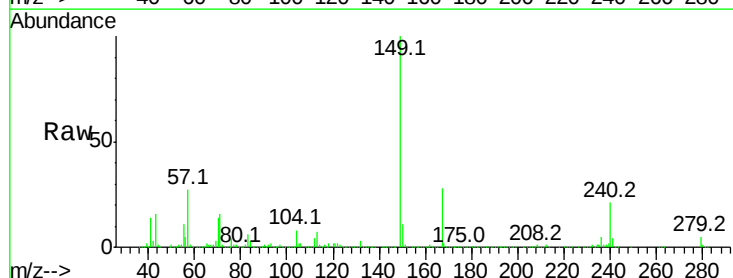
Tgt Ion:240 Resp: 414987

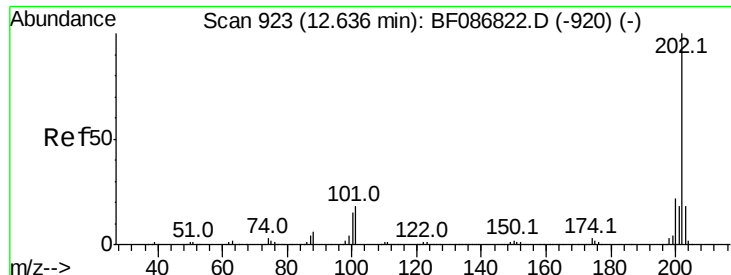
Ion Ratio Lower Upper

240 100

120 11.7 11.2 16.8

236 25.7 21.2 31.8





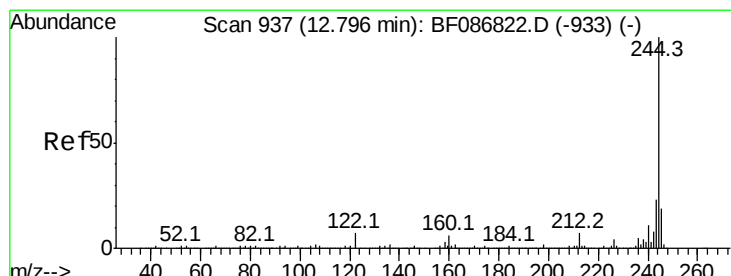
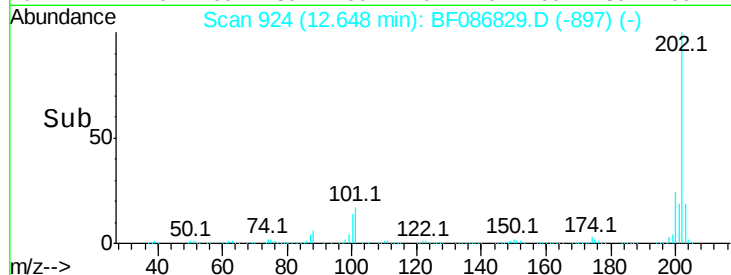
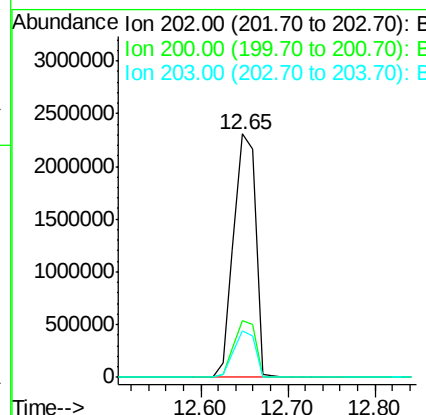
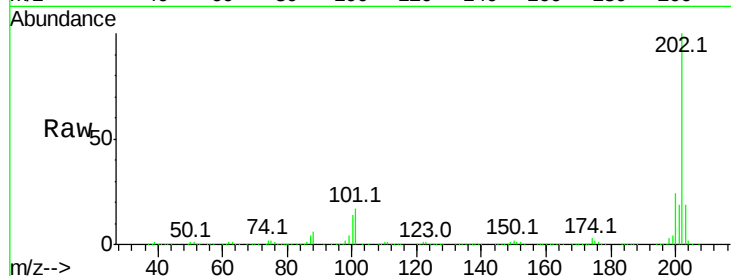
#77
Pvrene
Concen: 127.06 ng
RT: 12.65 min Scan# 924
Delta R.T. 0.01 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

Tot Ion:202 Resp: 4036878
Ion Ratio Lower Upper
202 100
200 23.5 17.7 26.5
203 19.0 14.2 21.4

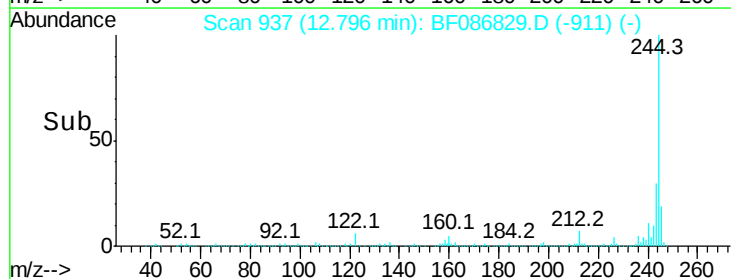
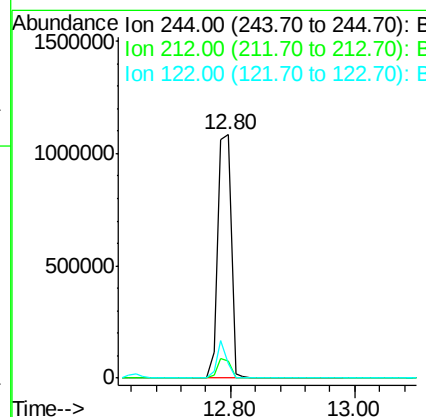
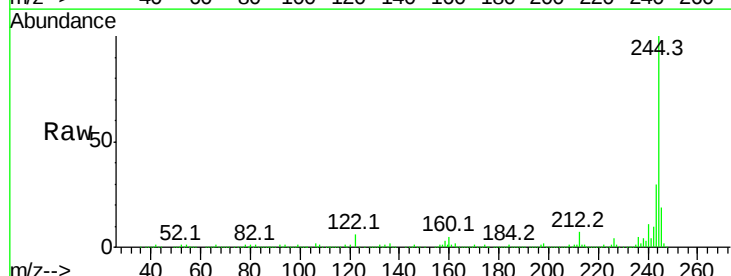
Manual Integrations
APPROVED

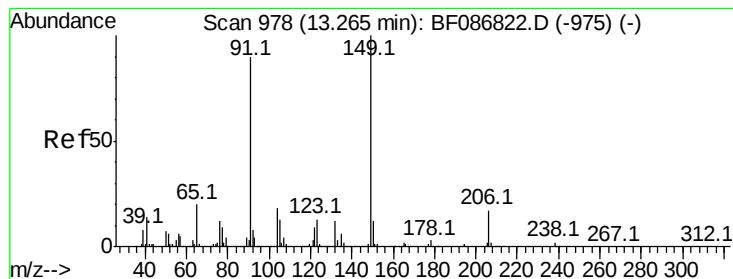
sohil
5/10/2016 6:47:22 PM



#78
Terphenyl-d14
Concen: 80.98 ng
RT: 12.80 min Scan# 937
Delta R.T. -0.00 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

Tgt Ion:244 Resp: 1583985
Ion Ratio Lower Upper
244 100
212 6.8 6.2 9.2
122 5.8 12.0 18.0#





#79

Butylbenzylphthalate

Concen: 97.78 ng

RT: 13.28 min Scan# 979

Delta R.T. 0.01 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

Instrument :

BNA_F

ClientSampled :

PT-BNA-SOIL

Tot Ion:149 Resp: 1314016

Ion Ratio Lower Upper

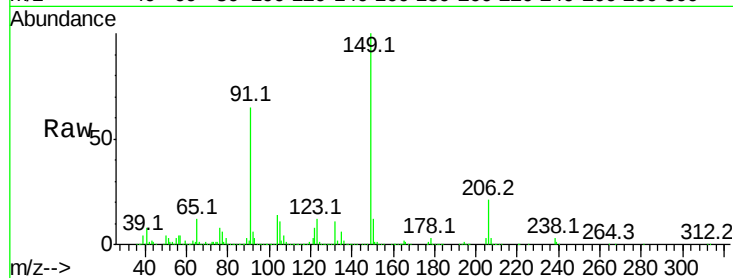
149 100

91 65.1 48.0 72.0

206 21.2 15.8 23.6

Manual Integrations
APPROVED

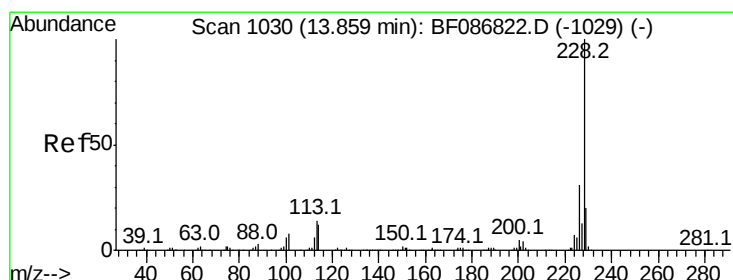
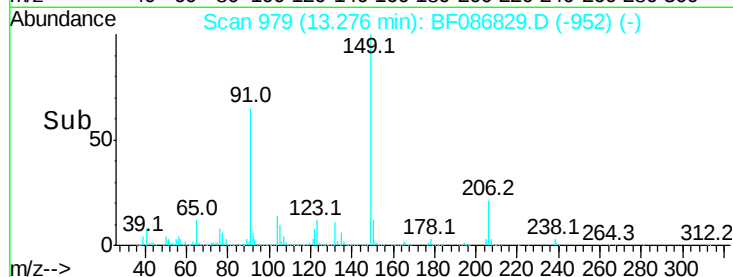
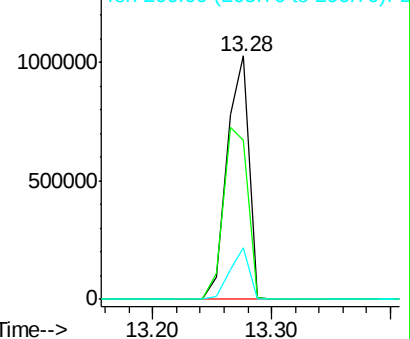
sohil
5/10/2016 6:47:22 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#82

Chrysene

Concen: 111.94 ng

RT: 13.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: BF086829.D

Acq: 9 May 2016 18:18

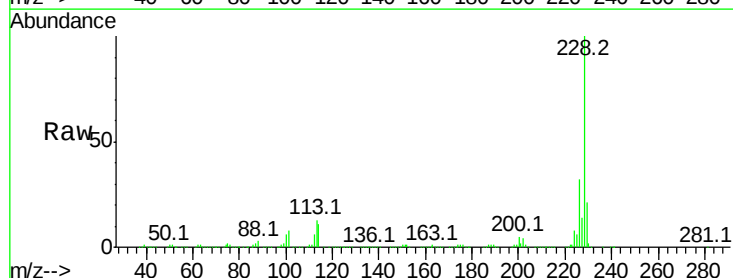
Tgt Ion:228 Resp: 2652645

Ion Ratio Lower Upper

228 100

226 32.2 24.4 36.6

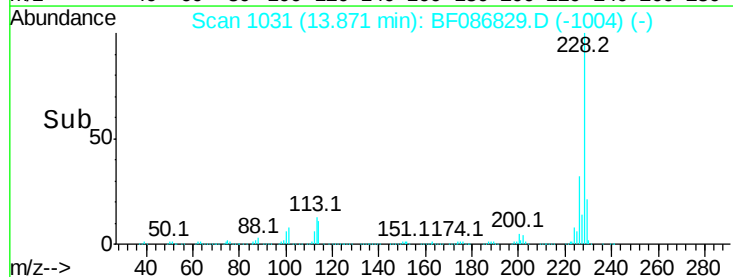
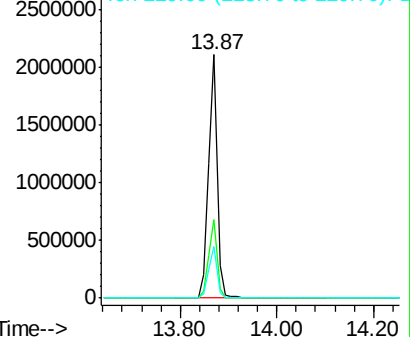
229 20.9 15.8 23.8

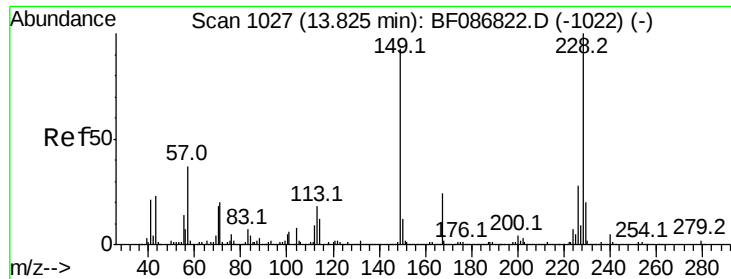


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





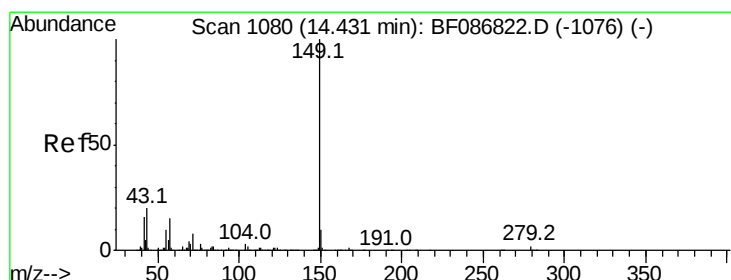
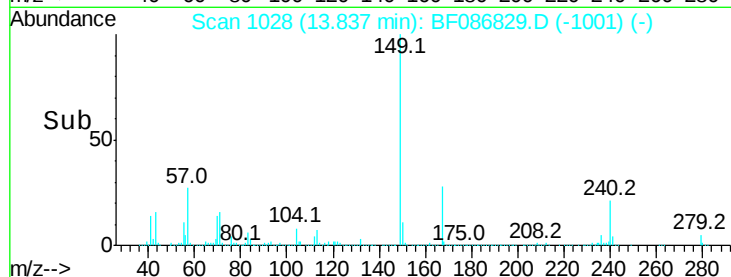
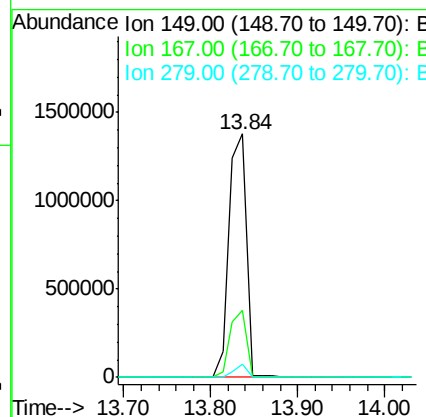
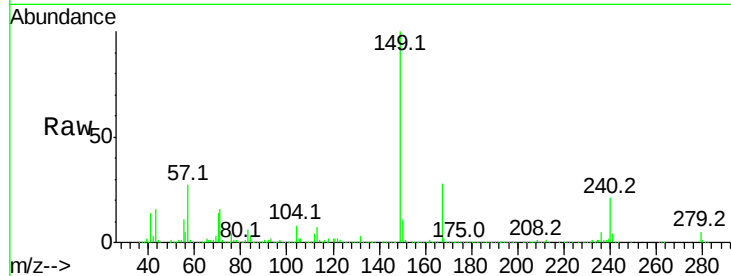
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 119.01 ng
 RT: 13.84 min Scan# 1028
 Delta R.T. 0.01 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion:149 Resp: 1923834
 Ion Ratio Lower Upper
 149 100
 167 27.6 21.8 32.6
 279 5.2 2.6 4.0#

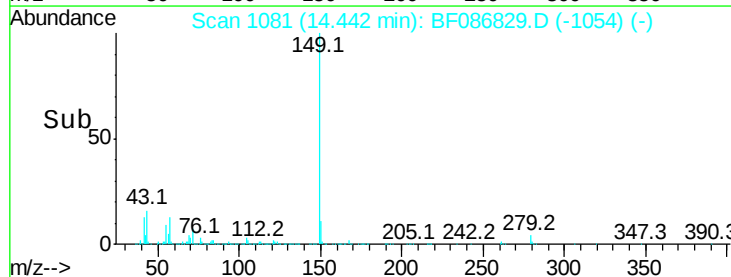
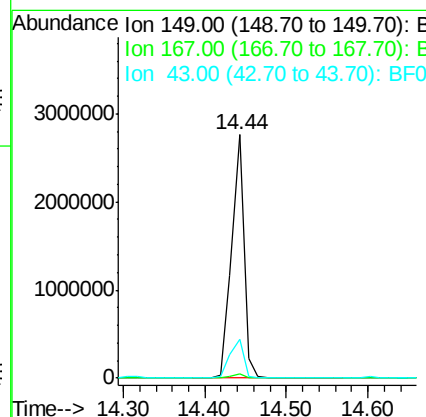
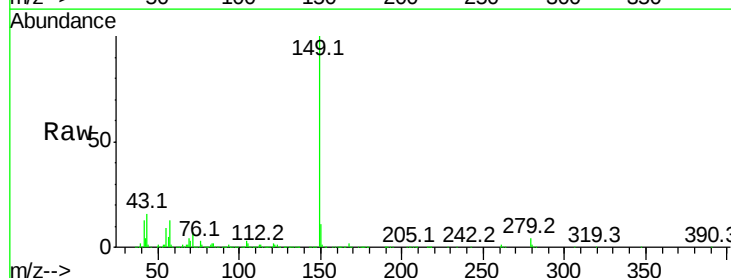
Manual Integrations
 APPROVED

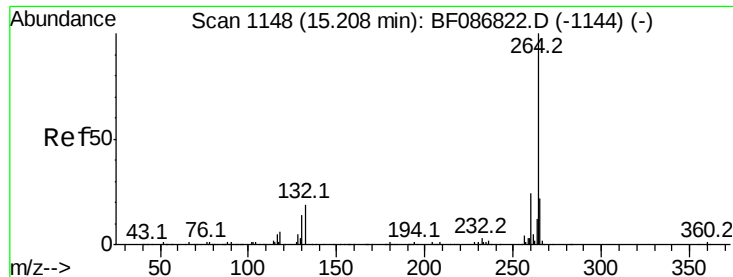
sohil
 5/10/2016 6:47:22 PM



#84
 Di-n-octyl phthalate
 Concen: 108.31 ng
 RT: 14.44 min Scan# 1081
 Delta R.T. 0.01 min
 Lab File: BF086829.D
 Acq: 9 May 2016 18:18

Tgt Ion:149 Resp: 2900219
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 17.6 8.2 12.4#





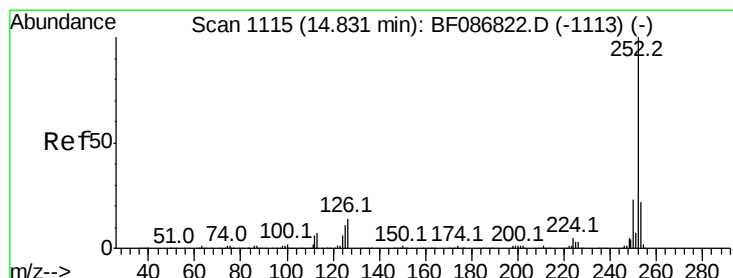
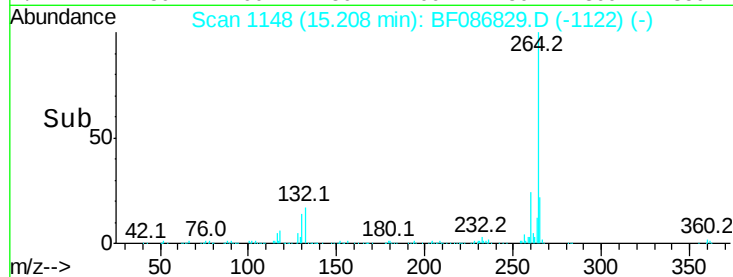
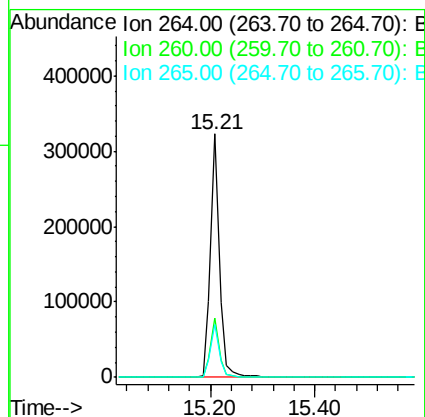
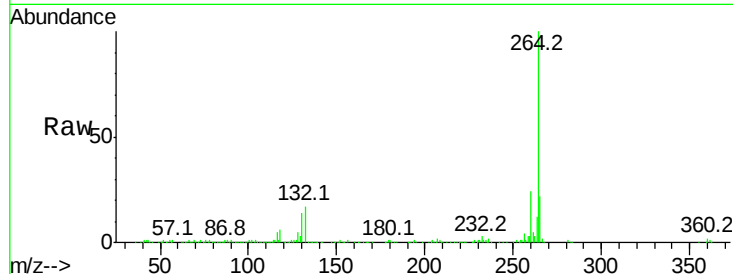
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1148
Delta R.T. -0.00 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	21.9	17.3	25.9

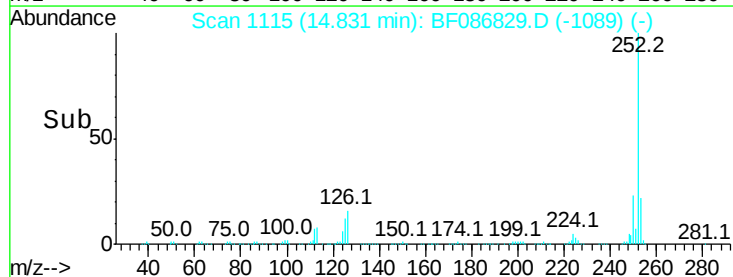
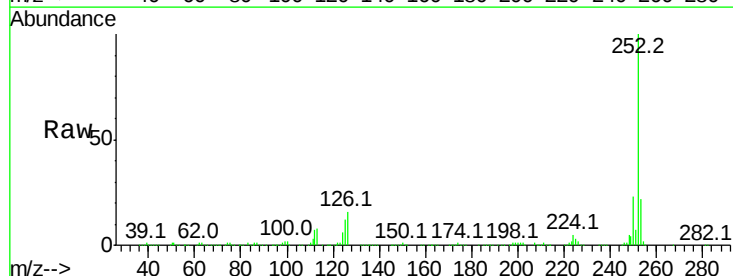
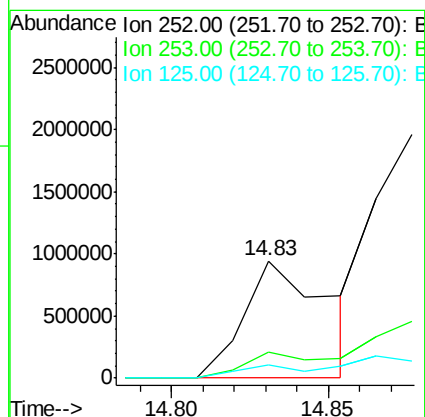
Manual Integrations
APPROVED

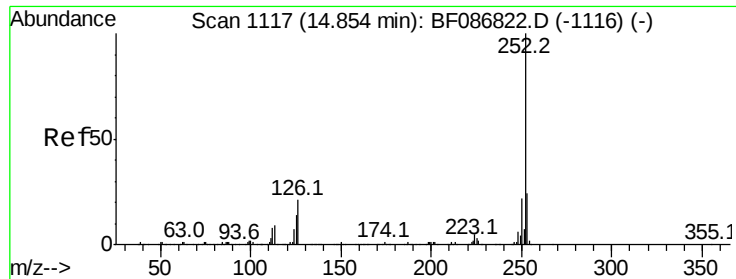
sohil
5/10/2016 6:47:22 PM



#87
Benzo(b)fluoranthene
Concen: 69.97 ng m
RT: 14.83 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.6
125	11.7	11.4	17.0





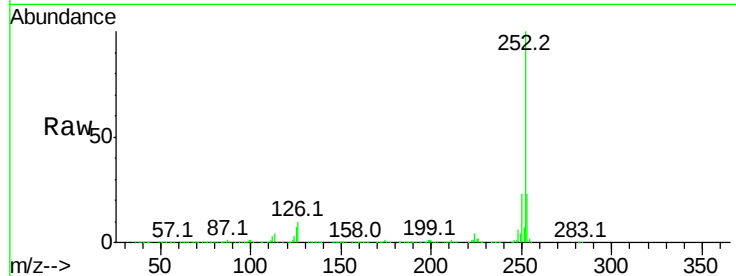
#88
Benzo(k)fluoranthene
Concen: 116.72 ng m
RT: 14.88 min Scan# 1119
Delta R.T. 0.02 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

Instrument :
BNA_F
ClientSampled :
PT-BNA-SOIL

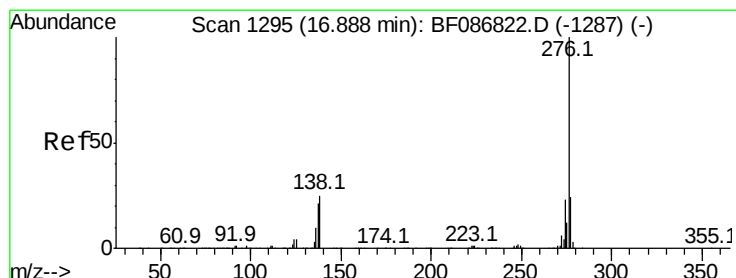
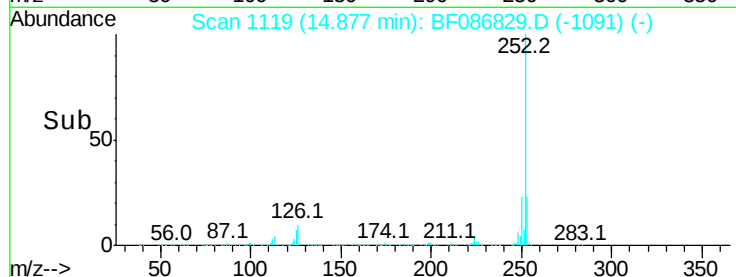
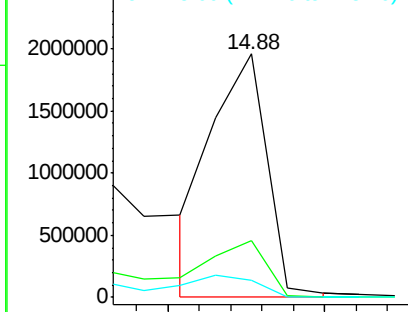
Tot Ion:252 Resp: 2407180
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 6.9 9.1 13.7#

Manual Integrations
APPROVED

sohil
5/10/2016 6:47:22 PM

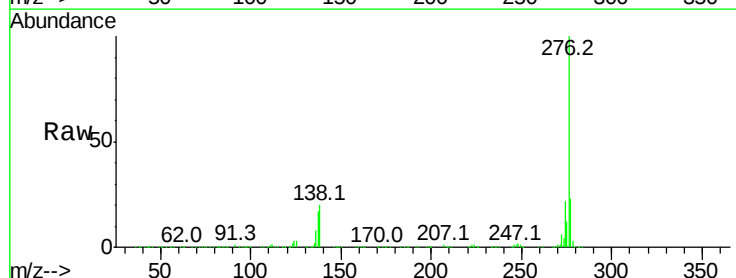


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 63.45 ng
RT: 16.90 min Scan# 1296
Delta R.T. 0.01 min
Lab File: BF086829.D
Acq: 9 May 2016 18:18

Tgt Ion:276 Resp: 1180405
Ion Ratio Lower Upper
276 100
277 23.1 19.6 29.4
138 20.4 23.6 35.4#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

