

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111117\
 Data File : BF100430.D
 Acq On : 11 Nov 2017 10:33
 Operator : SJ/JU
 Sample : I6368-04
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-RCA-SOIL

Manual Integrations
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Quant Time: Nov 13 01:37:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 10 15:44:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	180186	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	712183	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	315768	20.00	ng	0.00
63) Phenanthrene-d10	11.43	188	525260	20.00	ng	0.00
75) Chrysene-d12	14.06	240	382215	20.00	ng	0.00
86) Perylene-d12	15.56	264	343649	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	320143	28.48	ng	0.00
7) Phenol-d6	6.53	99	1060814	76.53	ng	0.00
23) Nitrobenzene-d5	7.46	82	755139	70.10	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	42453	13.19	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	1224961	59.07	ng	0.00
78) Terphenyl-d14	13.01	244	891452	53.59	ng	0.00
Target Compounds						
10) Phenol	6.53	94	66107	4.543	ng	86
31) Naphthalene	8.20	128	115298	3.361	ng	98
37) 2-Methylnaphthalene	8.89	142	123408	5.419	ng	99
49) Dimethylphthalate	9.65	163	210570	8.734	ng	99
51) Acenaphthene	9.97	154	53670	2.688	ng	97
57) Fluorene	10.49	166	66021	3.220	ng	99
70) Phenanthrene	11.45	178	416756	15.069	ng	98
71) Anthracene	11.50	178	96263	3.431	ng	99
74) Fluoranthene	12.64	202	366821	12.515	ng	96
77) Pyrene	12.87	202	344424	12.641	ng	100
79) Butylbenzylphthalate	13.48	149	58975	5.308	ng	96
80) Benzo(a)anthracene	14.05	228	164283	7.138	ng	95
82) Chrysene	14.09	228	160477	7.200	ng	97
83) Bis(2-ethylhexyl)phthalate	14.04	149	34318	2.348	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.05	276	51221	2.841	ng	96
87) Benzo(b)fluoranthene	15.12	252	164835m	8.096	ng	
88) Benzo(k)fluoranthene	15.14	252	52602m	2.734	ng	
89) Benzo(a)pyrene	15.49	252	110767	6.137	ng	# 91
91) Benzo(a,h,i)perylene	17.51	276	50019	3.462	ng	# 91

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

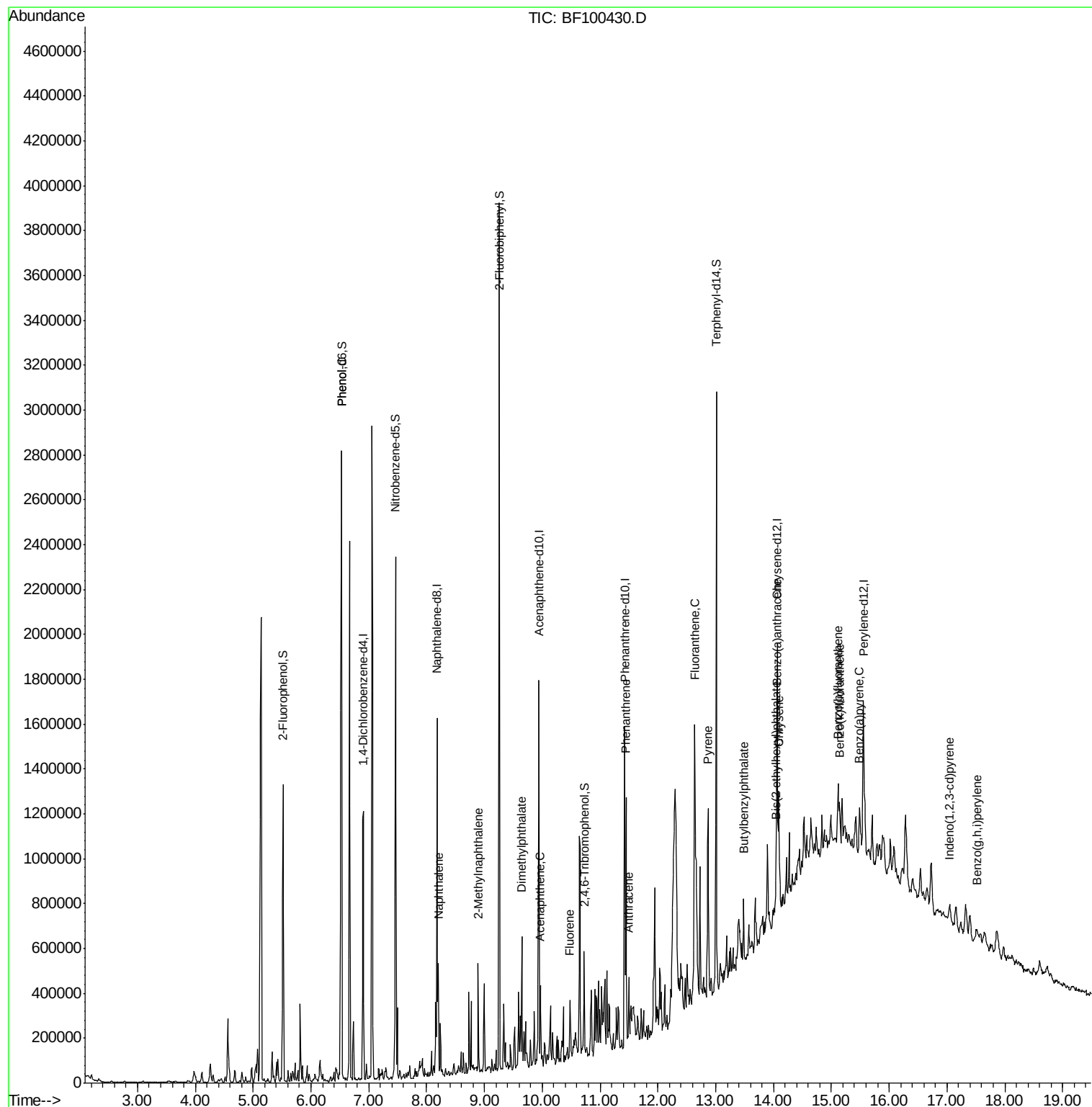
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111117\
Data File : BF100430.D
Acq On : 11 Nov 2017 10:33
Operator : SJ/JU
Sample : I6368-04
Misc :
ALS Vial : 3 Sample Multiplier: 1

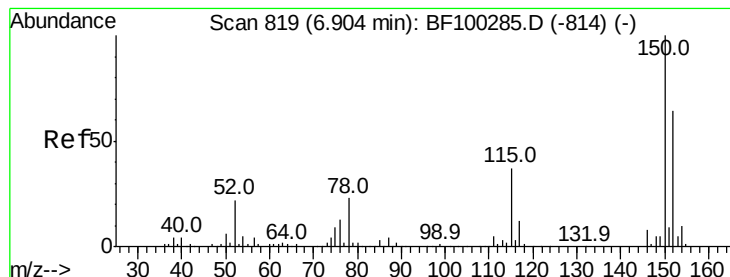
Instrument :
BNA_F
ClientSampleId :
TEC-RCA-SOIL

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#1

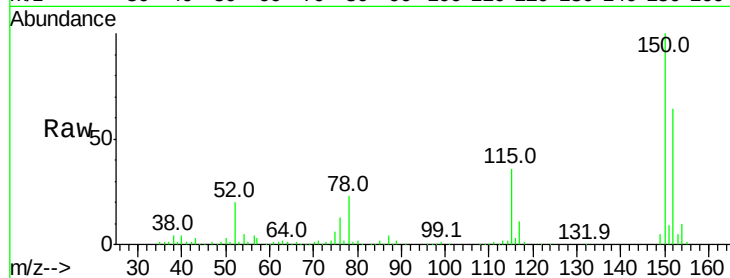
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF100430.D
Acq: 11 Nov 2017 10:33

Instrument :
BNA_F
ClientSampleId :
TEC-RCA-SOIL

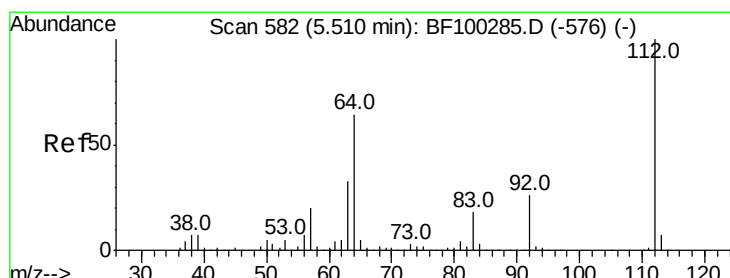
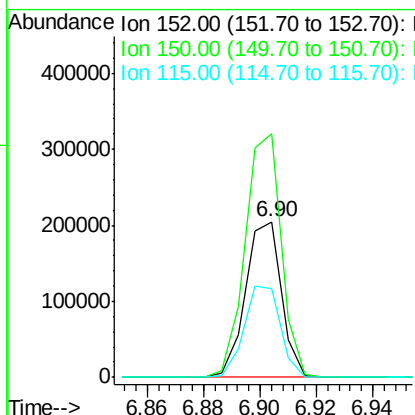
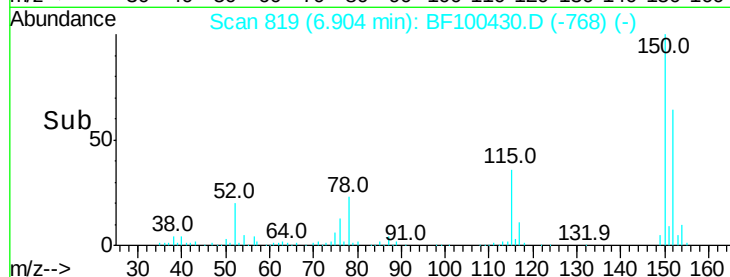
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	57.0	50.1	75.1

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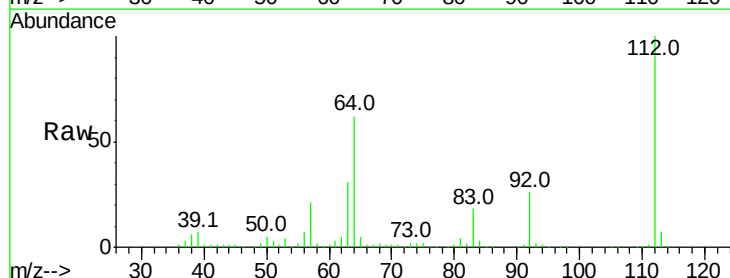
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



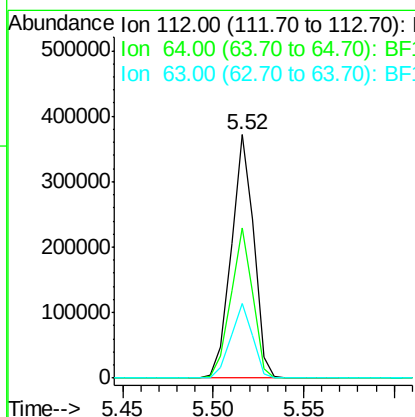
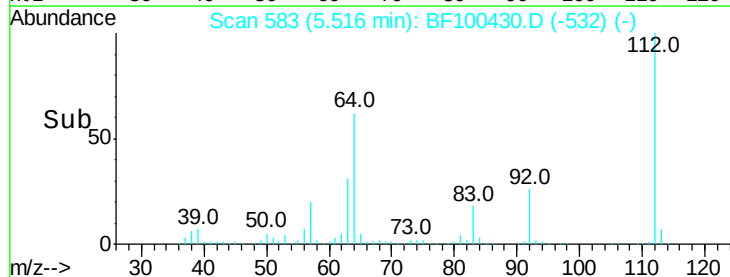
#5

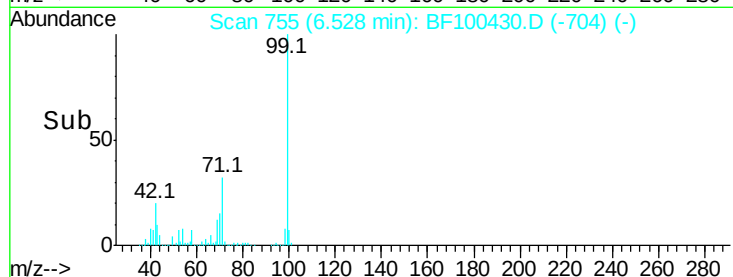
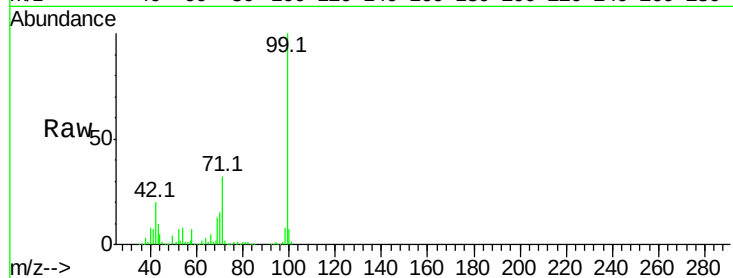
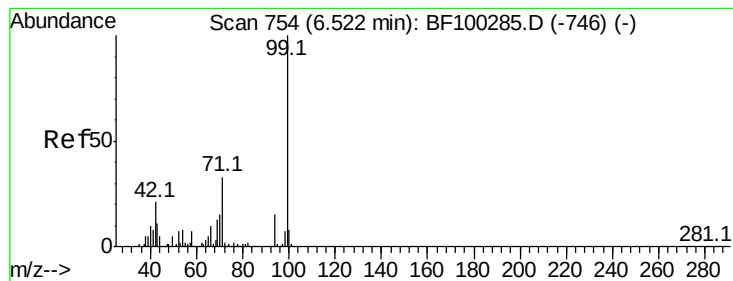
2-Fluorophenol
Concen: 28.481 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.00 min
Lab File: BF100430.D
Acq: 11 Nov 2017 10:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.7	47.9	71.9
63	30.7	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 76.531 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.00 min

Lab File: BF100430.D

Acq: 11 Nov 2017 10:33

Tot Ion:	99	Resp:	1060814
Ion	Ratio	Lower	Upper
99	100		
42	19.7	14.5	21.7
71	32.1	25.4	38.0

Instrument :

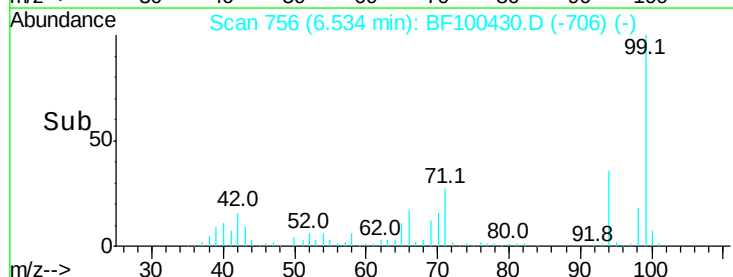
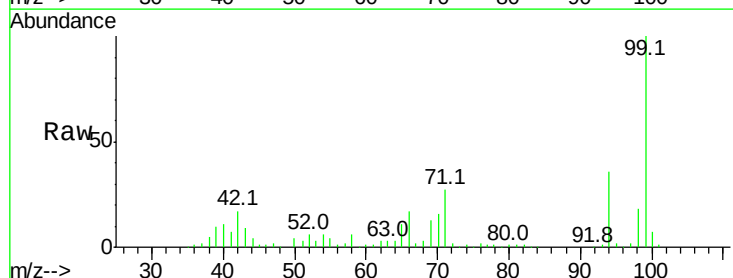
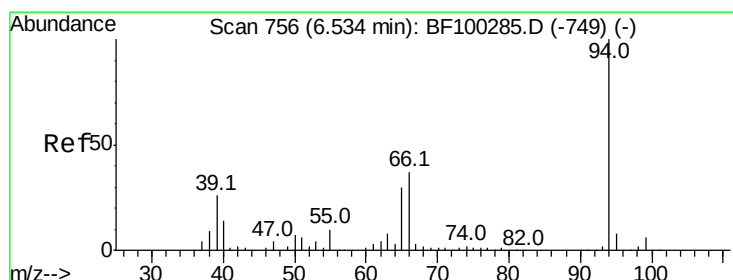
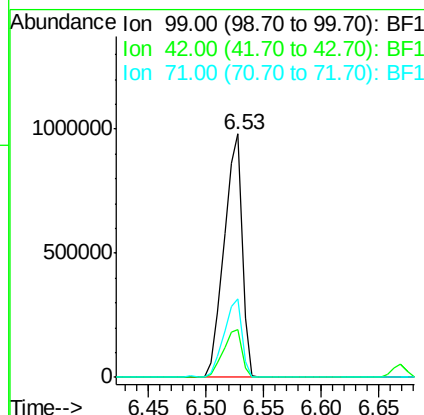
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 4.543 ng

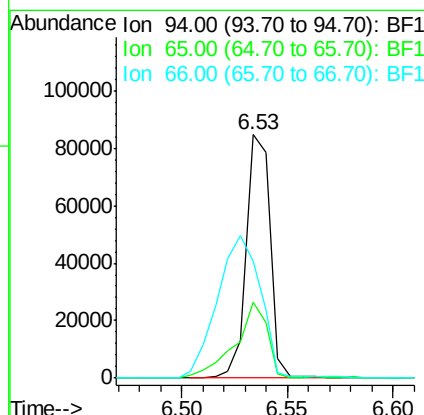
RT: 6.53 min Scan# 756

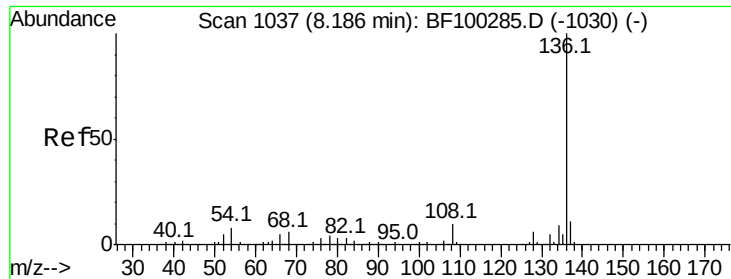
Delta R.T. -0.01 min

Lab File: BF100430.D

Acq: 11 Nov 2017 10:33

Tgt Ion:	94	Resp:	66107
Ion	Ratio	Lower	Upper
94	100		
65	31.4	7.9	47.9
66	48.2	16.2	56.2





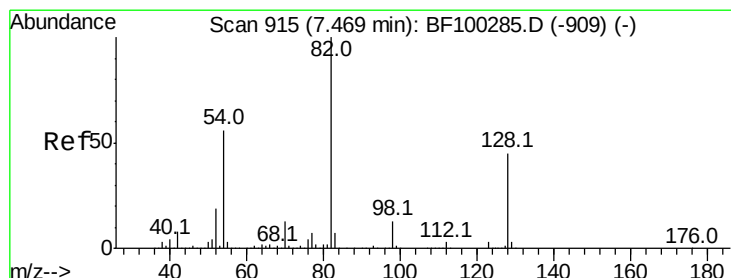
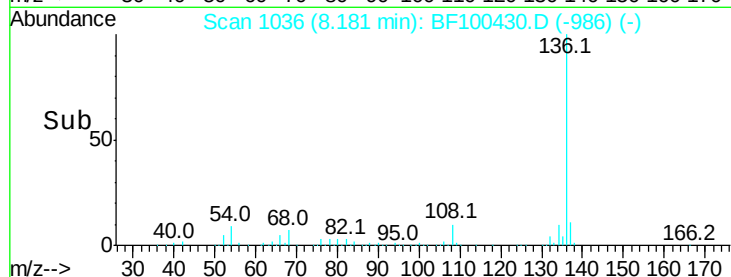
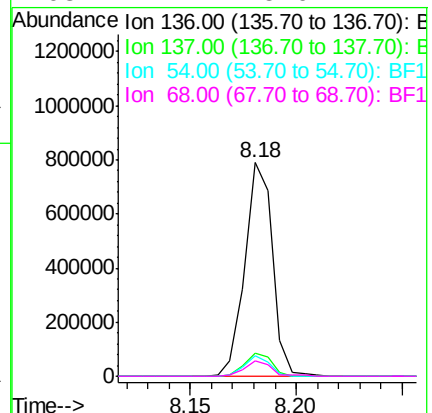
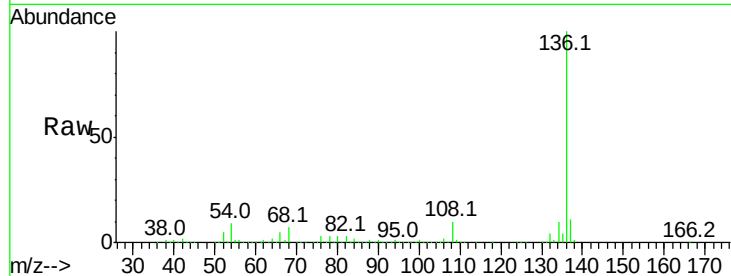
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF100430.D
Acq: 11 Nov 2017 10:33

Instrument :
BNA_F
ClientSampleId :
TEC-RCA-SOIL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		712183		
137	10.9		8.9	13.3	
54	9.4		6.6	9.8	
68	7.1		5.0	7.4	

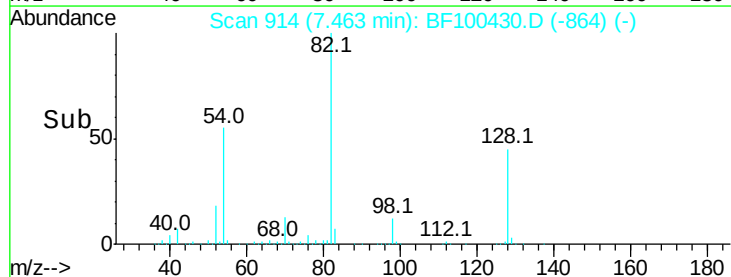
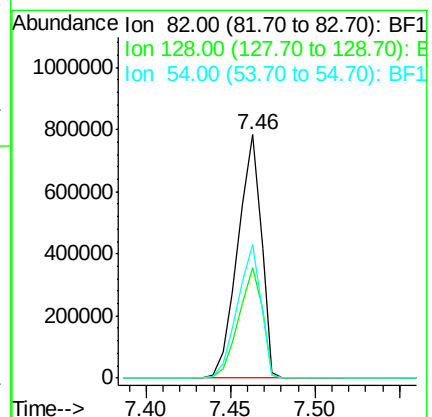
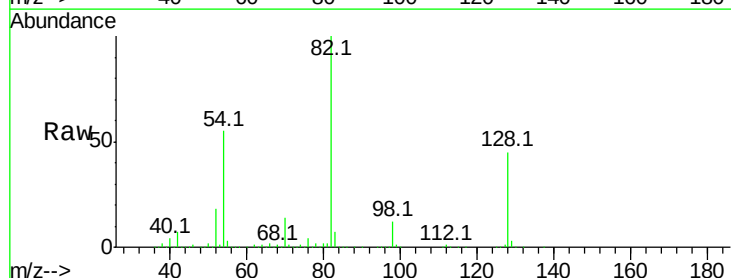
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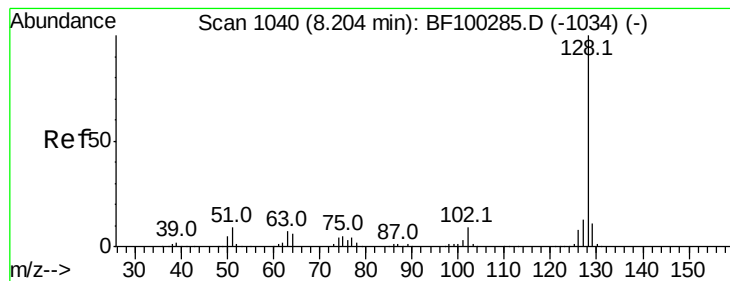
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#23
Nitrobenzene-d5
Concen: 70.101 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.01 min
Lab File: BF100430.D
Acq: 11 Nov 2017 10:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		755139		
128	45.2		36.1	54.1	
54	55.0		41.4	62.2	





#31

Naphthalene

Concen: 3.361 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF100430.D

Acq: 11 Nov 2017 10:33

Instrument :

BNA_F

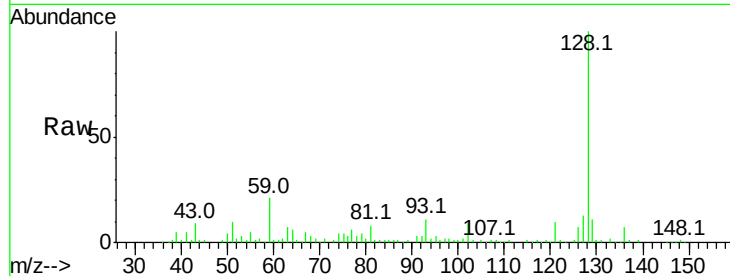
ClientSampleId :

TEC-RCA-SOIL

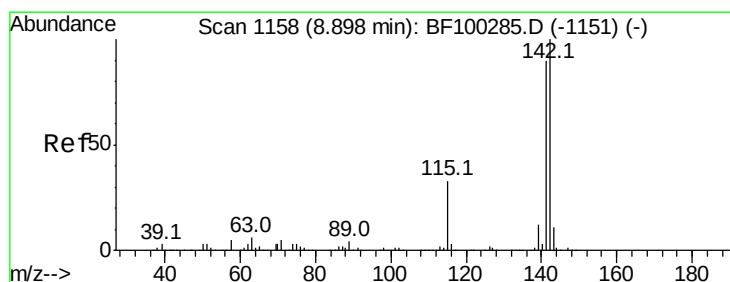
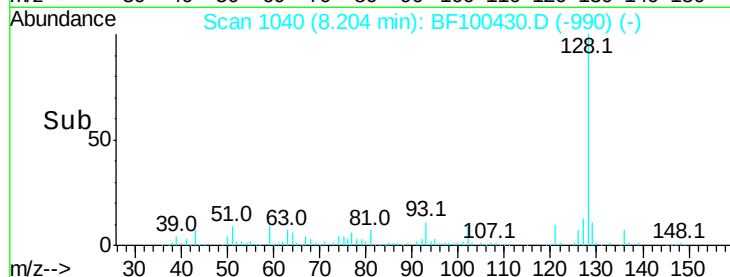
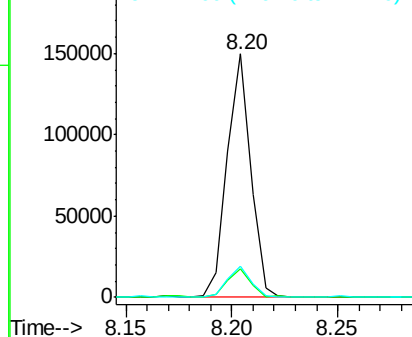
Tot Ion:	128	Resp:	115298
Ion Ratio	Lower	Upper	
128	100		
129	11.5	8.8	13.2
127	12.8	10.9	16.3

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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



#37

2-Methylnaphthalene

Concen: 5.419 ng

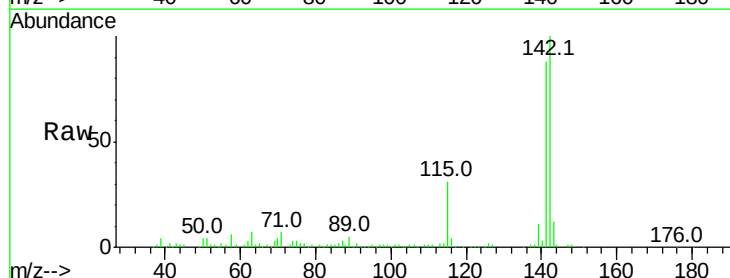
RT: 8.89 min Scan# 1157

Delta R.T. -0.01 min

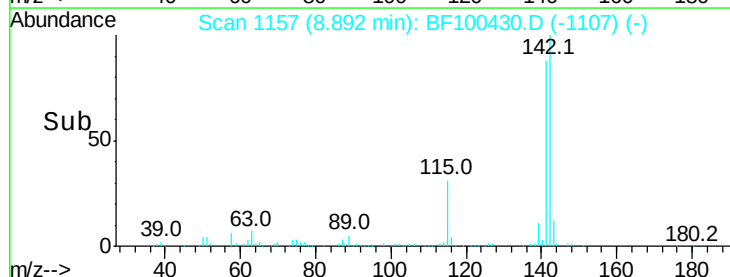
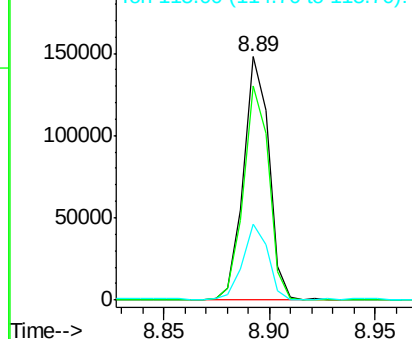
Lab File: BF100430.D

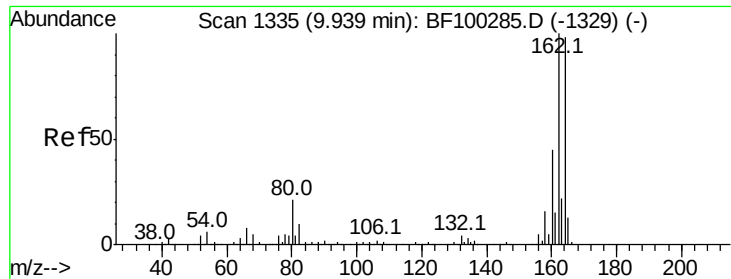
Acq: 11 Nov 2017 10:33

Tgt Ion:	142	Resp:	123408
Ion Ratio	Lower	Upper	
142	100		
141	88.2	70.8	106.2
115	31.4	26.1	39.1



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: 20.000 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF100430.D

Acq: 11 Nov 2017 10:33

Instrument :

BNA_F

ClientSampled :

TEC-RCA-SOIL

Tot Ion:164 Resp: 315768

Ion Ratio Lower Upper

164 100

162 103.9 86.1 129.1

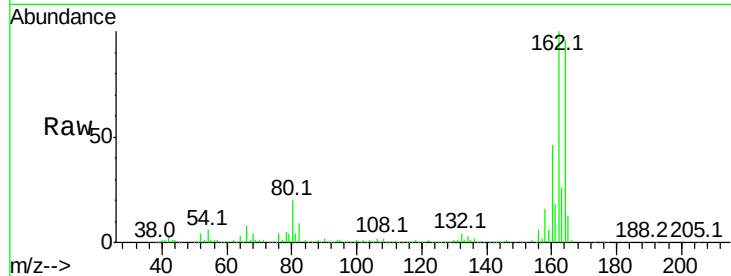
160 47.8 38.3 57.5

Manual Integrations

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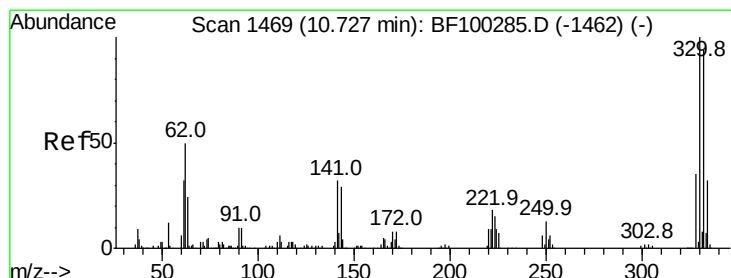
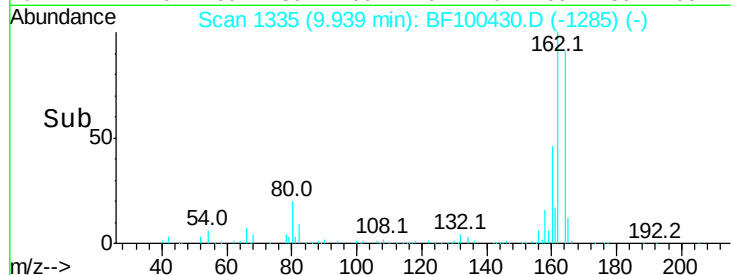
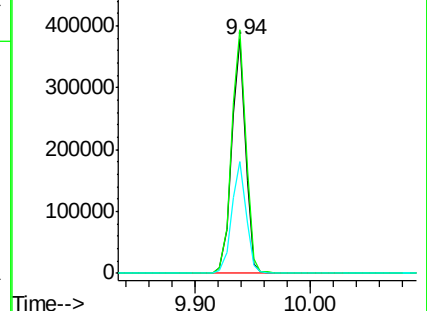
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 13.194 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BF100430.D

Acq: 11 Nov 2017 10:33

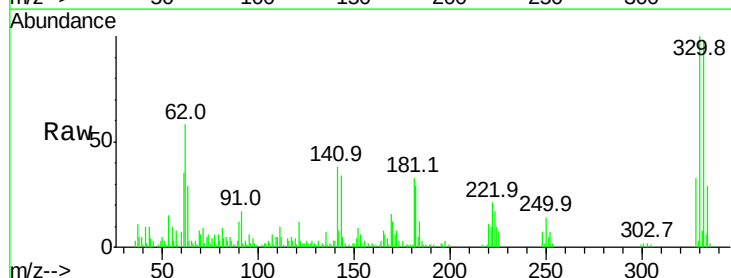
Tgt Ion:330 Resp: 42453

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

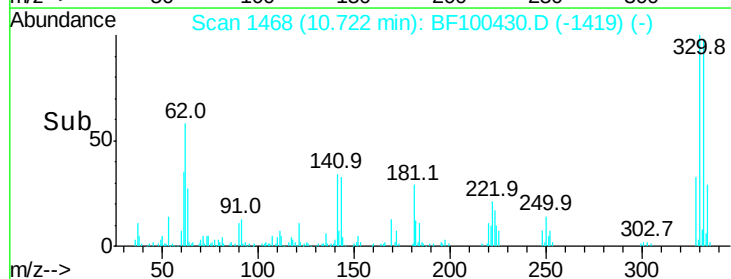
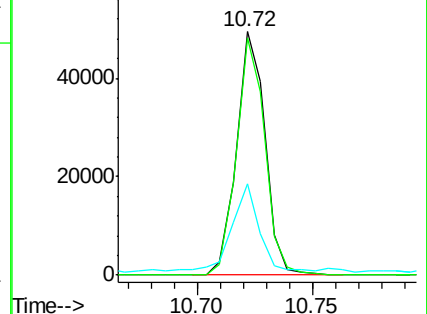
141 34.4 29.9 44.9

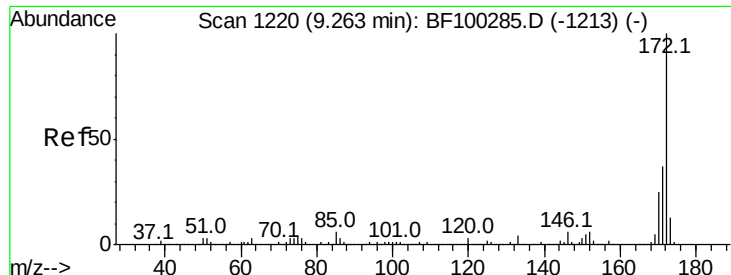


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





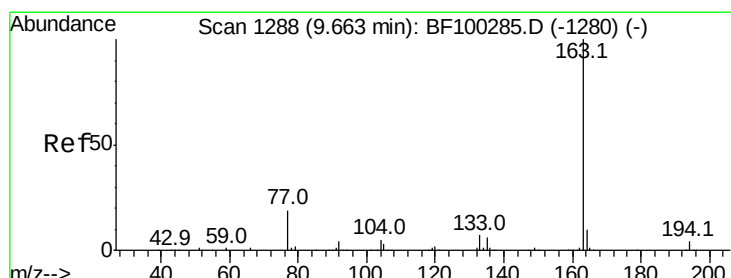
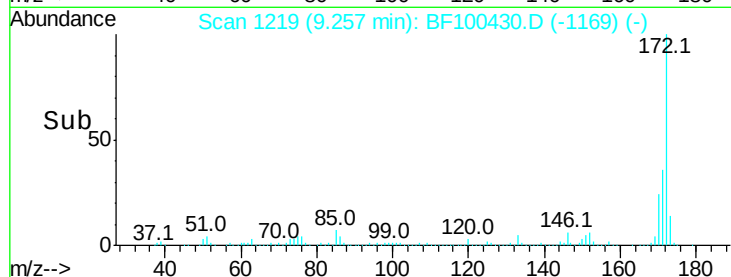
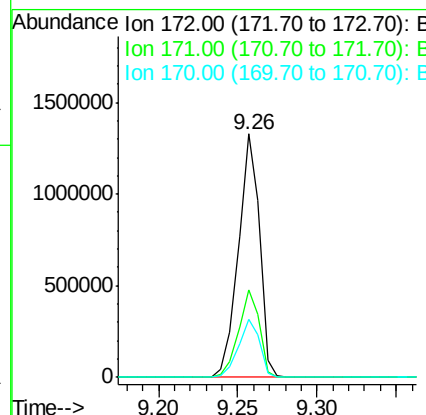
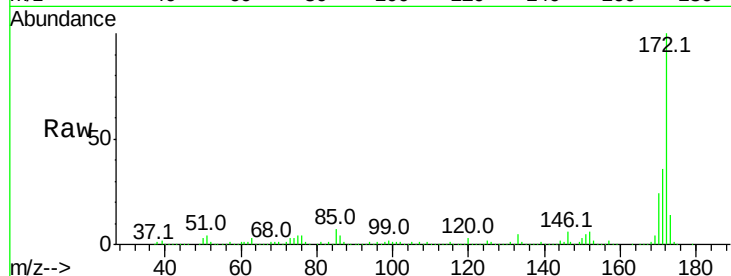
#44
2-Fluorobiphenyl
Concen: 59.071 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BF100430.D
Acq: 11 Nov 2017 10:33

Instrument :
BNA_F
ClientSampleId :
TEC-RCA-SOIL

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.1	19.6	29.4

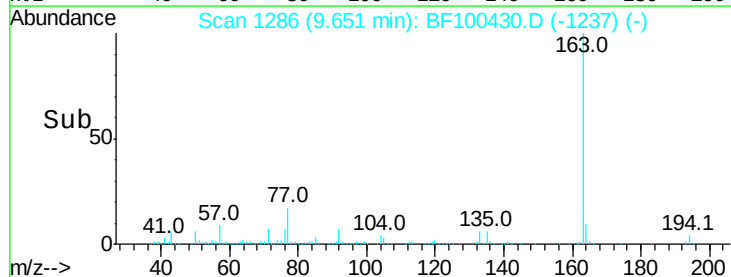
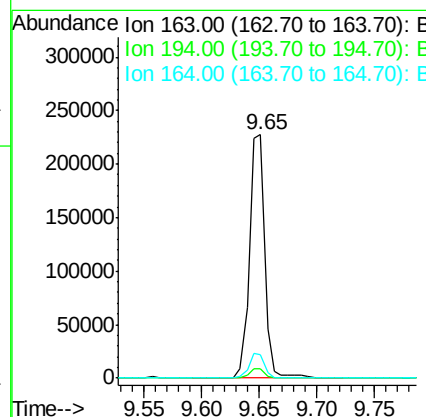
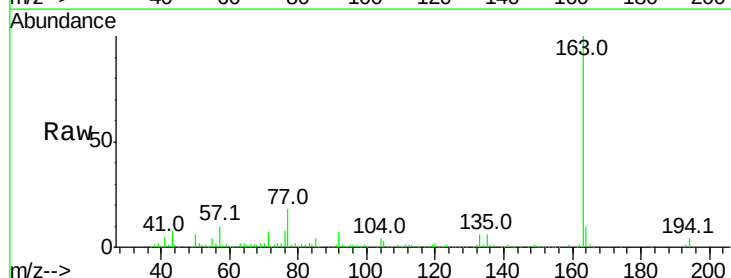
Manual Integrations
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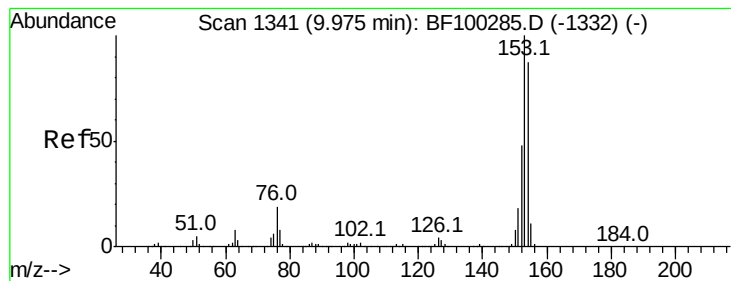
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#49
Dimethylphthalate
Concen: 8.734 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BF100430.D
Acq: 11 Nov 2017 10:33

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.7	4.1
164	9.8	8.2	12.2





#51

Acenaphthene

Concen: 2.688 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF100430.D

Acq: 11 Nov 2017 10:33

Instrument :

BNA_F

ClientSampled :

TEC-RCA-SOIL

Tot Ion:154 Resp: 53670

Ion Ratio Lower Upper

154 100

153 110.3 91.2 136.8

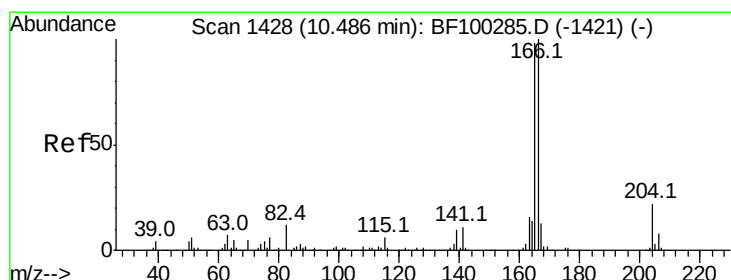
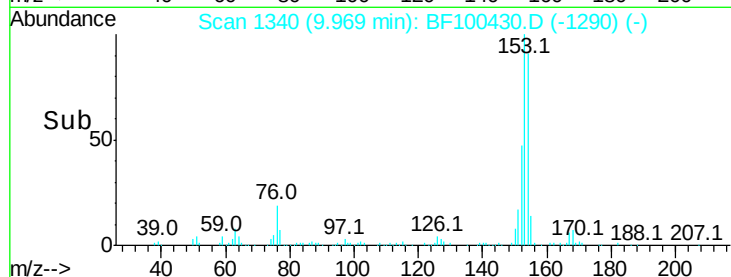
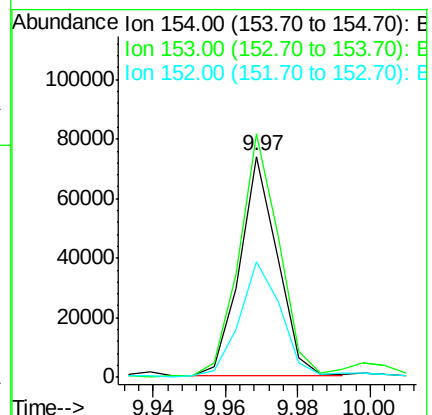
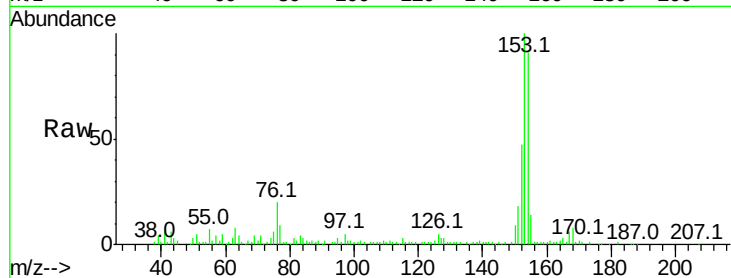
152 52.2 43.8 65.8

Manual Integrations

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#57

Fluorene

Concen: 3.220 ng

RT: 10.49 min Scan# 1428

Delta R.T. -0.01 min

Lab File: BF100430.D

Acq: 11 Nov 2017 10:33

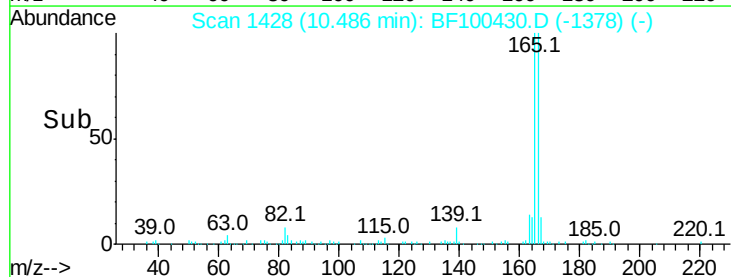
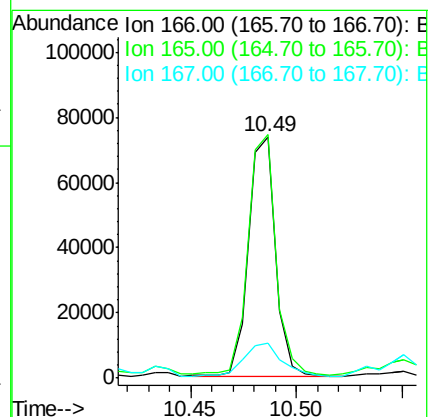
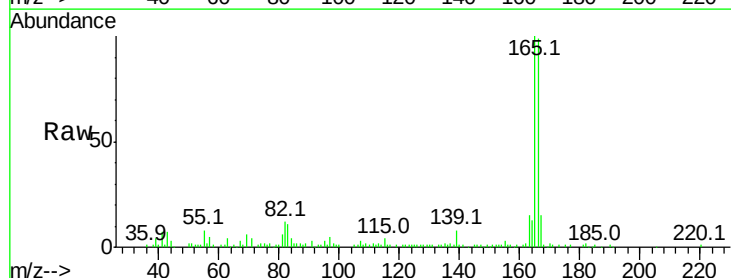
Tgt Ion:166 Resp: 66021

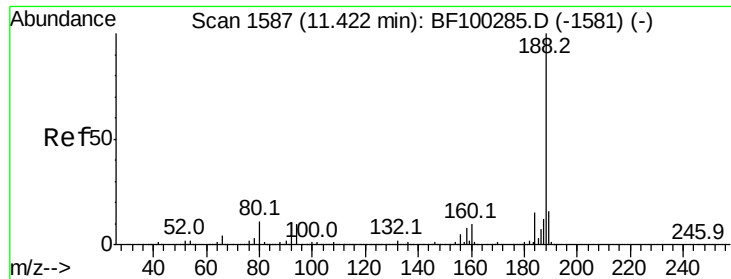
Ion Ratio Lower Upper

166 100

165 100.8 79.8 119.8

167 14.7 10.6 16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.00 min

Lab File: BF100430.D

Acq: 11 Nov 2017 10:33

Instrument :

BNA_F

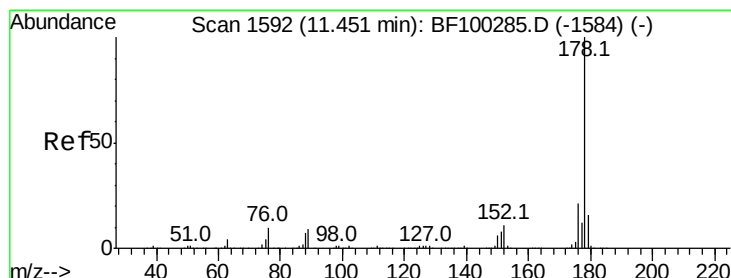
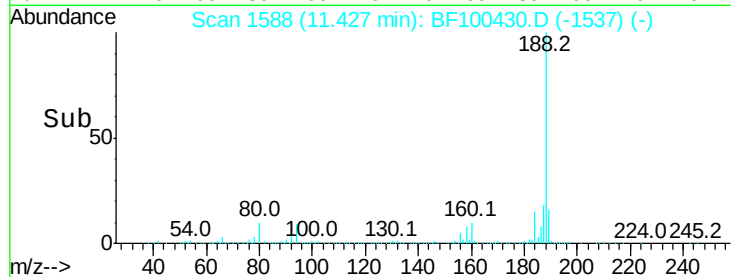
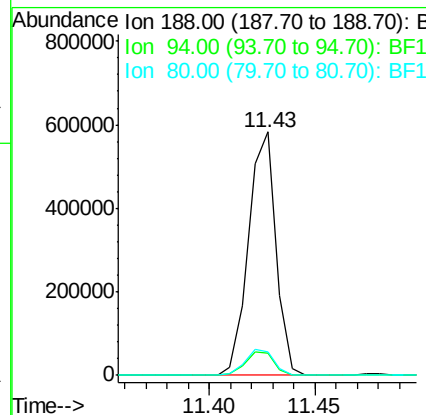
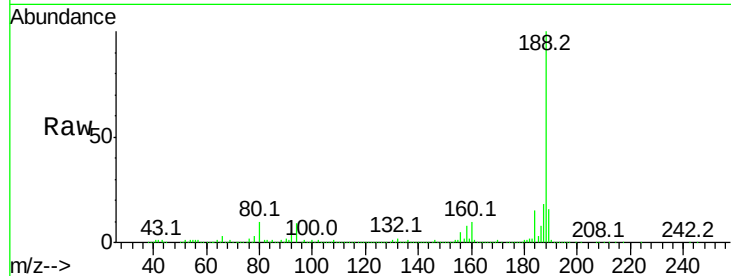
ClientSampleId :

TEC-RCA-SOIL

Tot Ion:	188	Resp:	525260
Ion Ratio	Lower	Upper	
188	100		
94	9.3	8.5	12.7
80	9.8	9.2	13.8

Manual Integrations
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11/13/2017 4:54:04 PM



#70

Phenanthrene

Concen: 15.069 ng

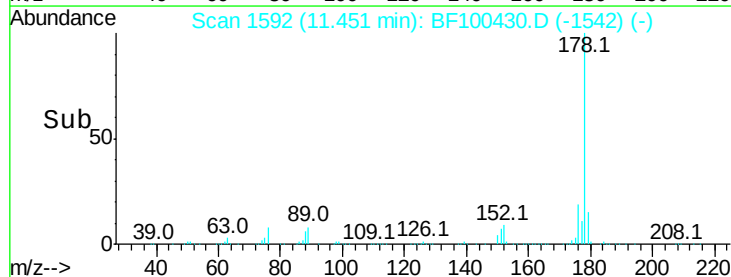
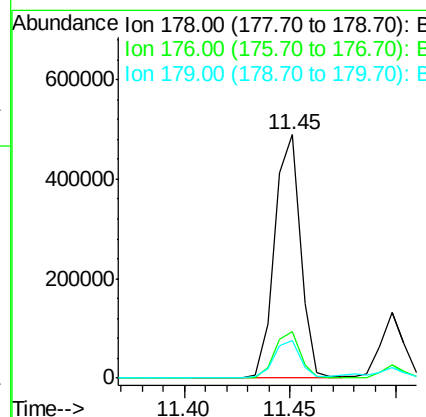
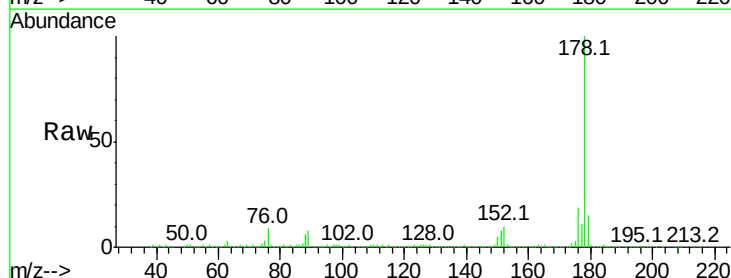
RT: 11.45 min Scan# 1592

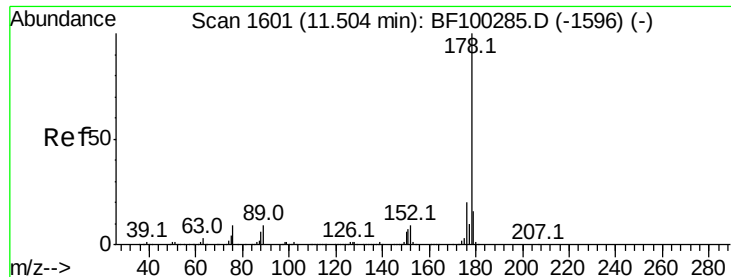
Delta R.T. -0.01 min

Lab File: BF100430.D

Acq: 11 Nov 2017 10:33

Tgt Ion:	178	Resp:	416756
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.8	23.8
179	15.2	13.0	19.6





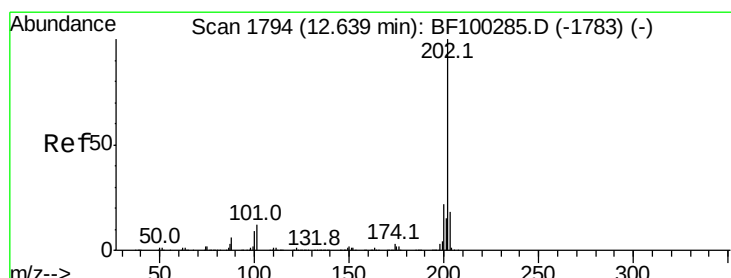
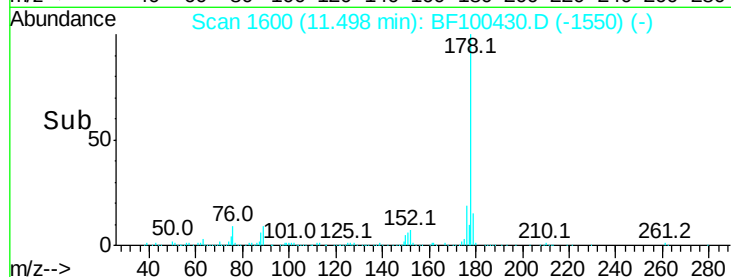
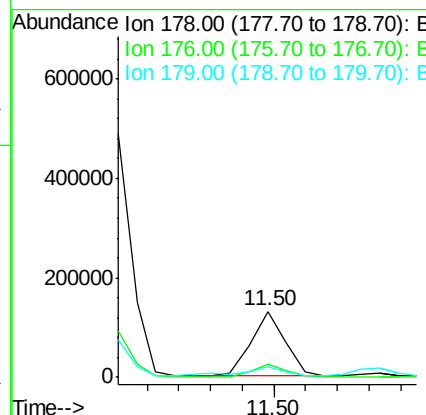
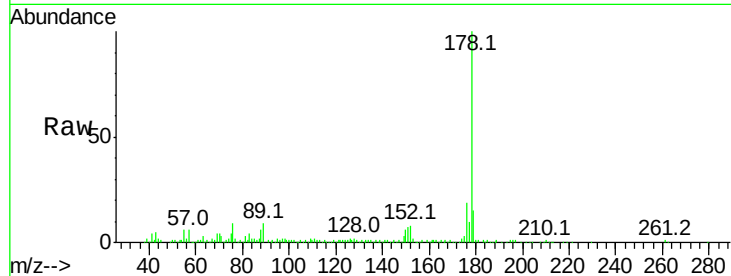
#71
 Anthracene
 Concen: 3.431 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: BF100430.D
 Acq: 11 Nov 2017 10:33

Instrument :
 BNA_F
 ClientSampleId :
 TEC-RCA-SOIL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.3	12.6	19.0

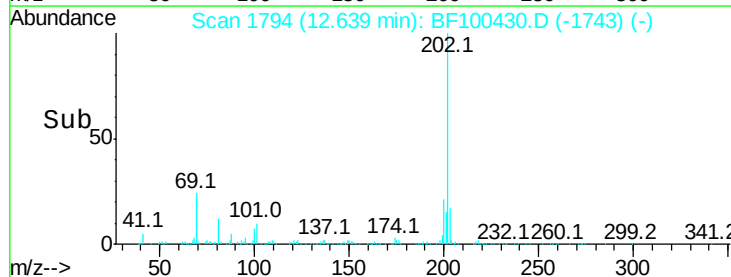
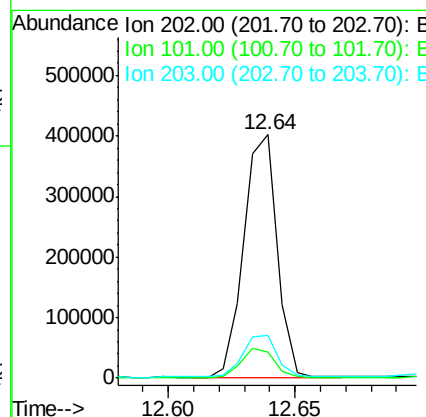
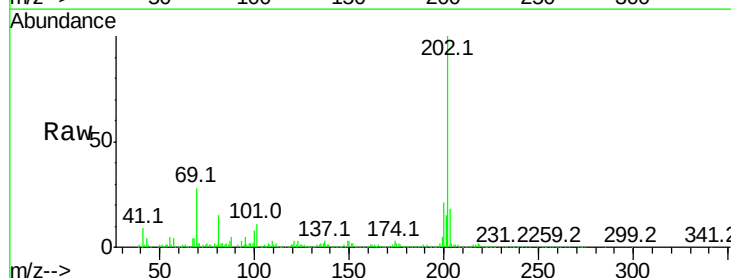
Manual Integrations
 APPROVED

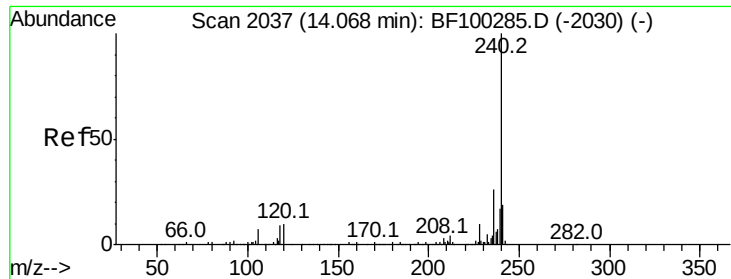
SOHIL
 11/13/2017 4:54:04 PM



#74
 Fluoranthene
 Concen: 12.515 ng
 RT: 12.64 min Scan# 1794
 Delta R.T. -0.00 min
 Lab File: BF100430.D
 Acq: 11 Nov 2017 10:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	34.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF100430.D

Acq: 11 Nov 2017 10:33

Instrument :

BNA_F

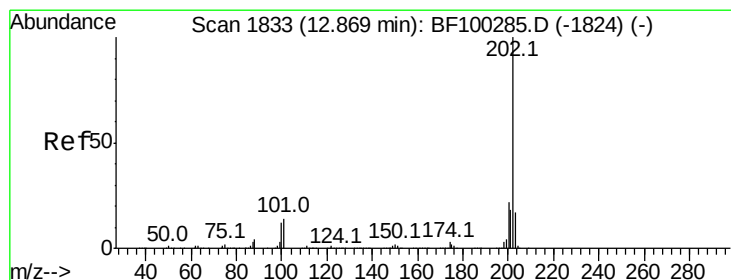
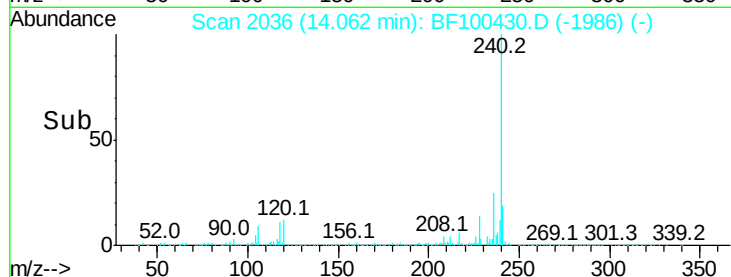
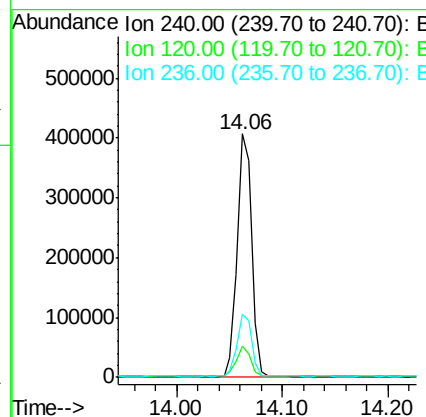
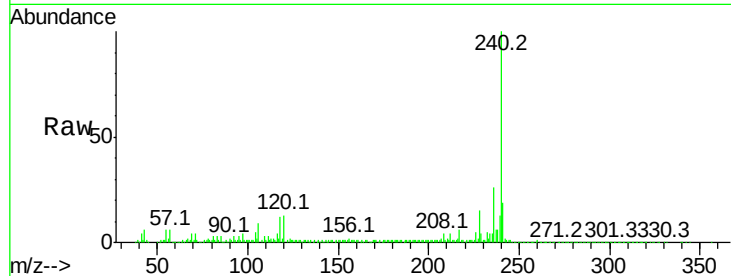
ClientSampled :

TEC-RCA-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	12.8	9.5	14.3	
236	25.8	20.7	31.1	

Manual Integrations
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11/13/2017 4:54:04 PM



#77

Pyrene

Concen: 12.641 ng

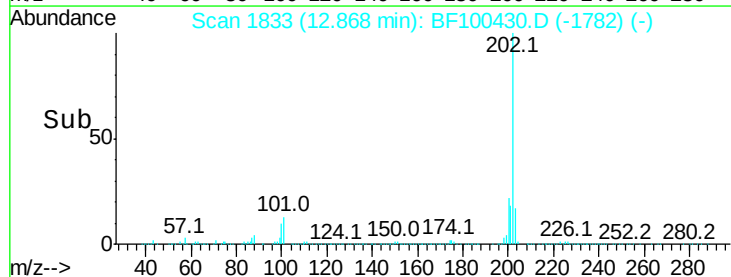
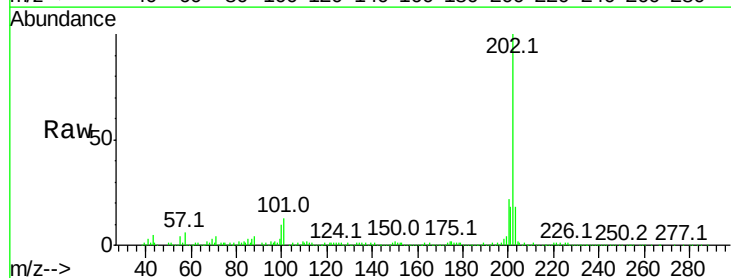
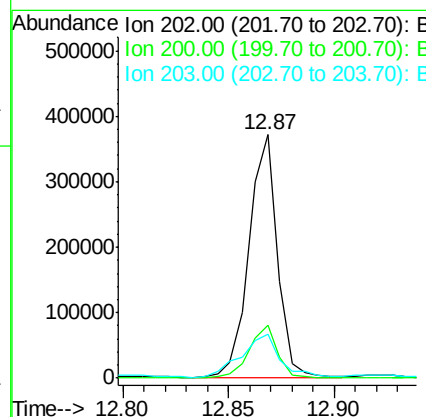
RT: 12.87 min Scan# 1833

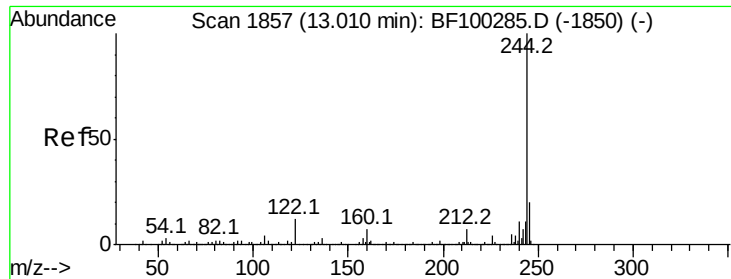
Delta R.T. -0.00 min

Lab File: BF100430.D

Acq: 11 Nov 2017 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.7	17.4	26.2	
203	18.0	14.3	21.5	





#78

Terphenyl-d14

Concen: 53.590 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.00 min

Lab File: BF100430.D

Acq: 11 Nov 2017 10:33

Instrument :

BNA_F

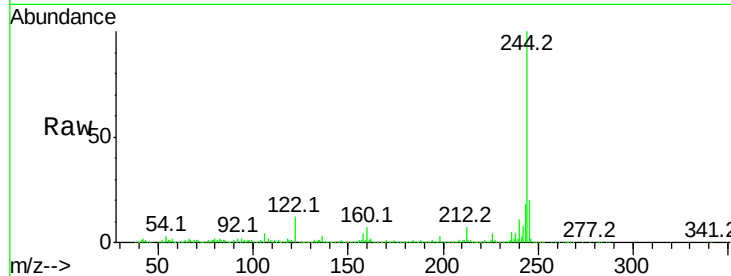
ClientSampleId :

TEC-RCA-SOIL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	11.6	11.0	16.4

Manual Integrations
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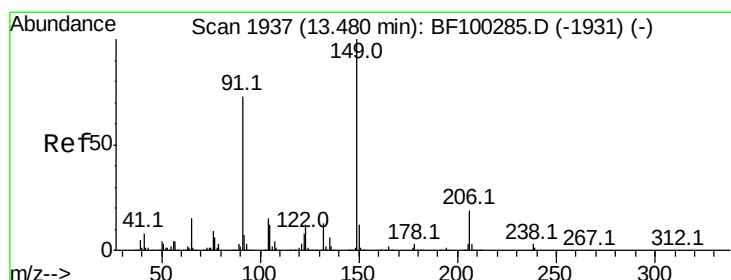
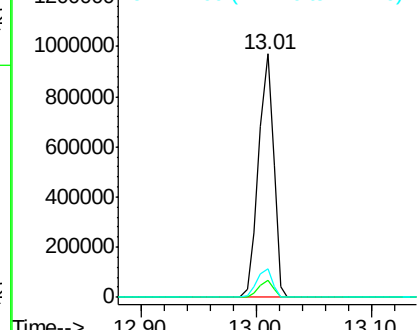
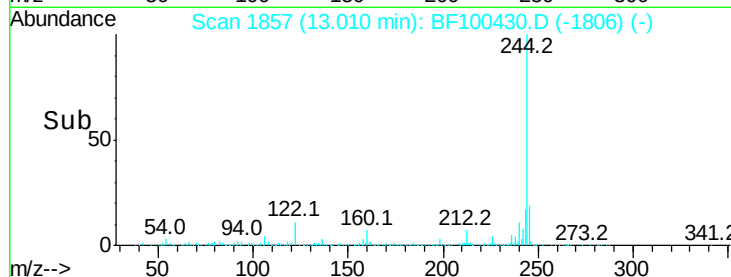
SOHIL
11/13/2017 4:54:04 PM



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



#79

Butylbenzylphthalate

Concen: 5.308 ng

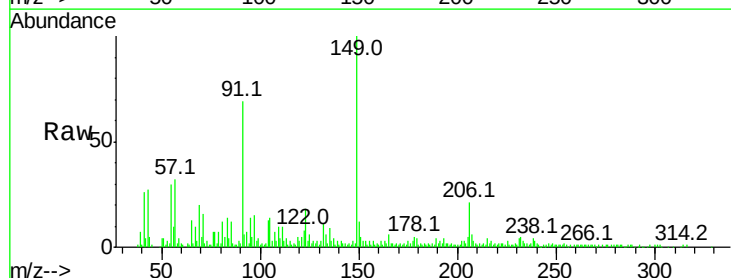
RT: 13.48 min Scan# 1937

Delta R.T. -0.01 min

Lab File: BF100430.D

Acq: 11 Nov 2017 10:33

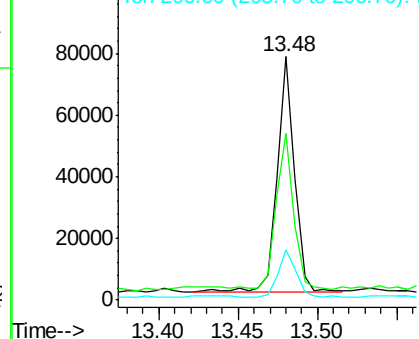
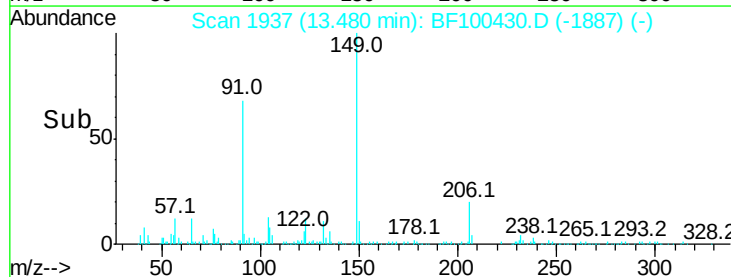
Tgt Ion	Ratio	Lower	Upper
149	100		
91	68.7	56.8	85.2
206	20.9	14.1	21.1

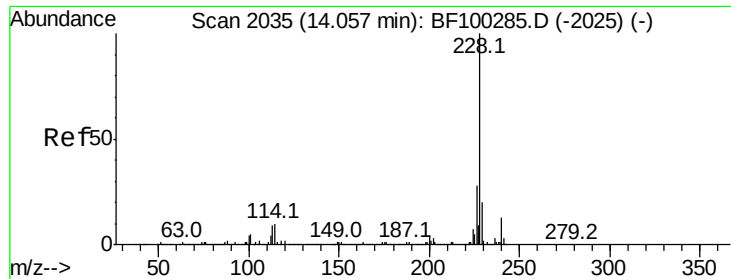


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





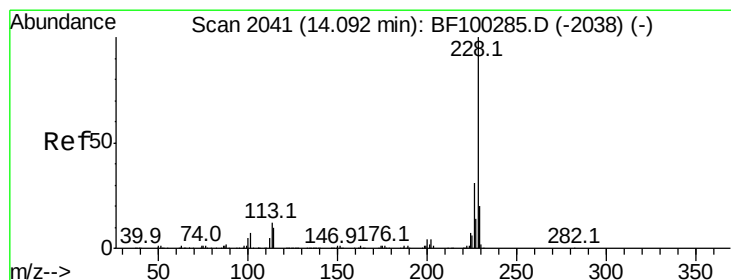
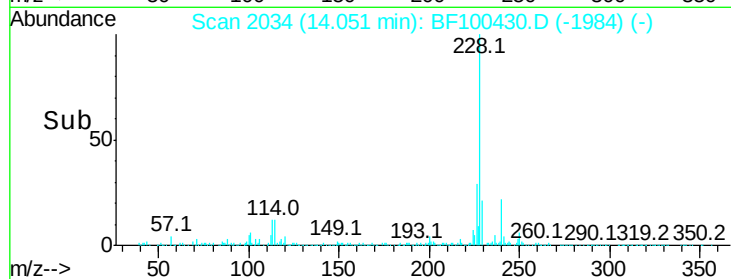
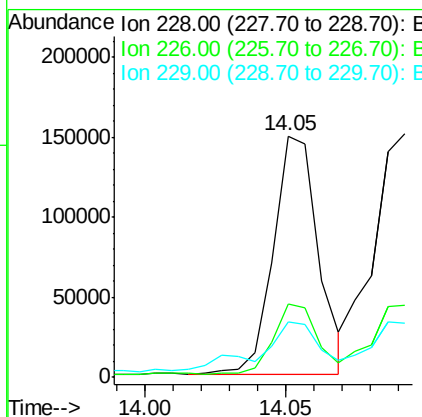
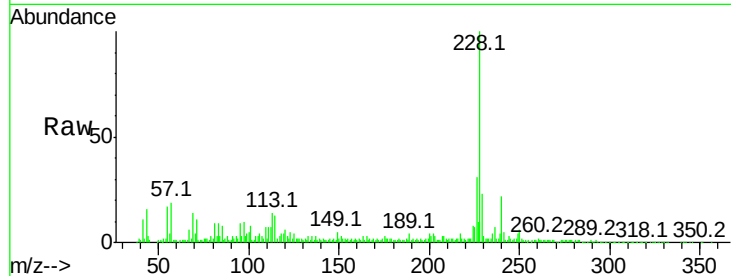
#80
Benzo(a)anthracene
Concen: 7.138 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF100430.D
Acq: 11 Nov 2017 10:33

Instrument :
BNA_F
ClientSampleId :
TEC-RCA-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
228	100	164283		
226	30.6	22.6	33.8	
229	22.8	15.8	23.6	

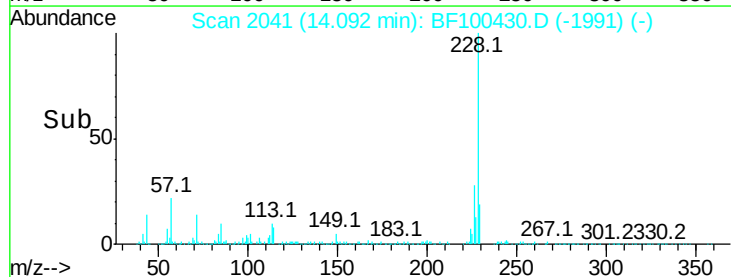
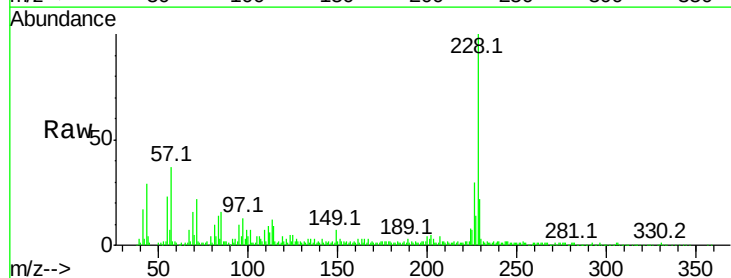
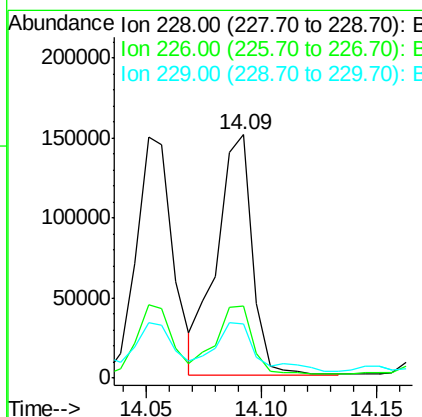
Manual Integrations
APPROVED

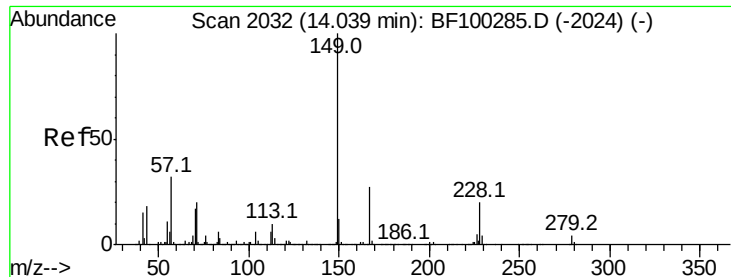
SOHIL
11/13/2017 4:54:04 PM



#82
Chrysene
Concen: 7.200 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF100430.D
Acq: 11 Nov 2017 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	160477		
226	29.5	25.0	37.6	
229	22.1	16.2	24.4	





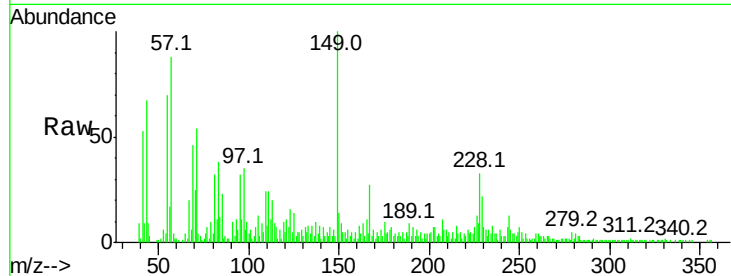
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.348 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF100430.D
Acq: 11 Nov 2017 10:33

Instrument :
BNA_F
ClientSampleId :
TEC-RCA-SOIL

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.3	31.9
279	4.6	3.0	4.4

Manual Integrations
APPROVED

SOHIL
11/13/2017 4:54:04 PM

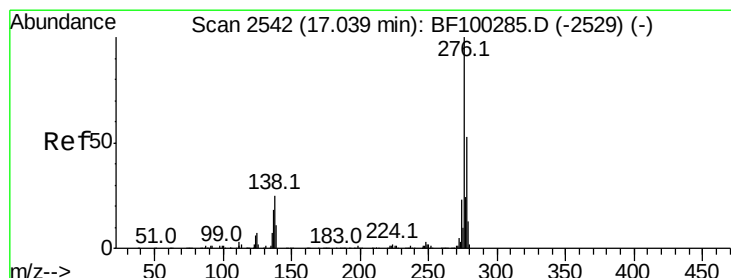
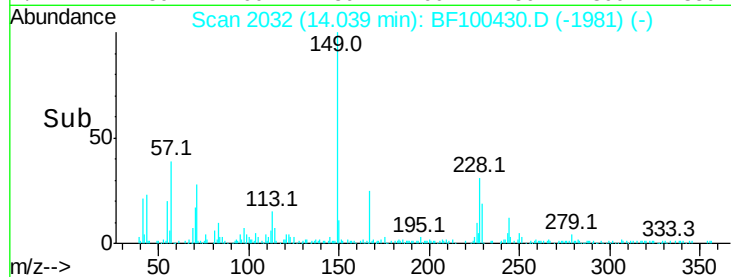
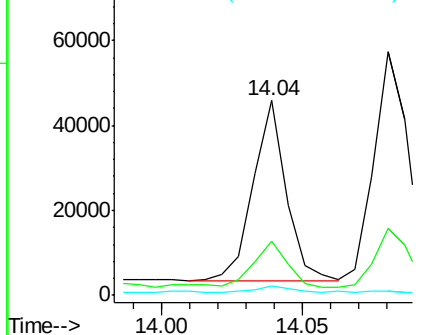


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.841 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.01 min
Lab File: BF100430.D
Acq: 11 Nov 2017 10:33

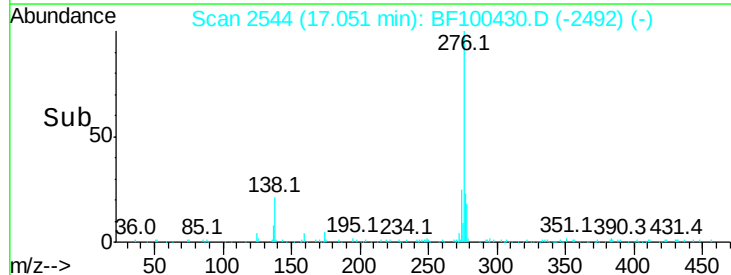
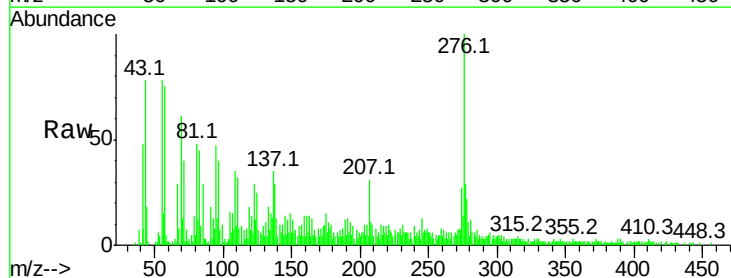
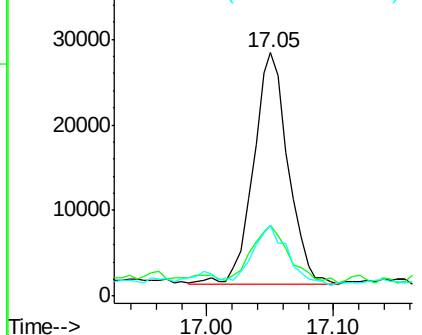
Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.8	25.0	37.6
277	25.7	20.1	30.1

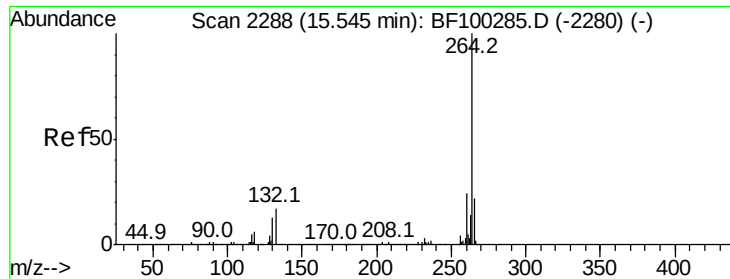
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





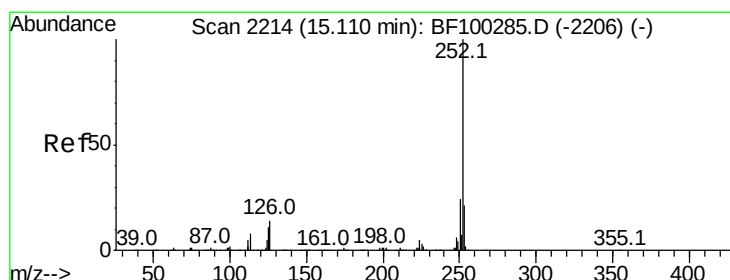
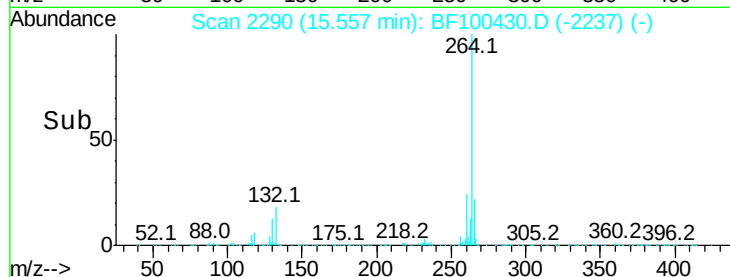
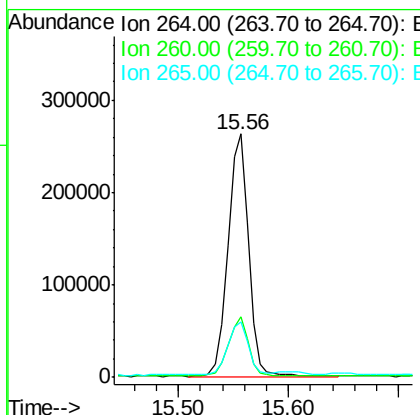
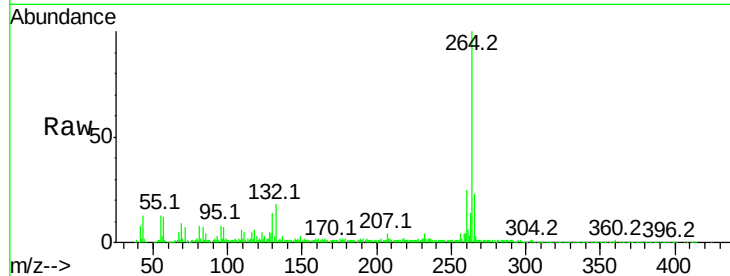
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.01 min
Lab File: BF100430.D
Acq: 11 Nov 2017 10:33

Instrument :
BNA_F
ClientSampleId :
TEC-RCA-SOIL

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	22.9	17.5	26.3

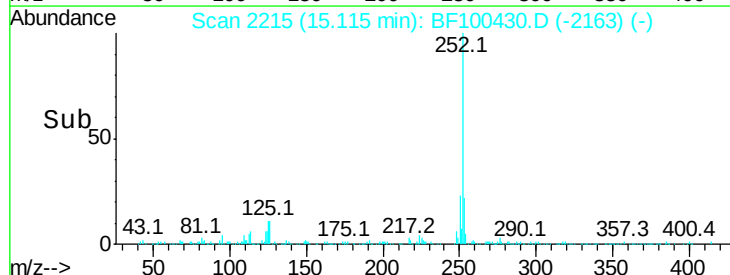
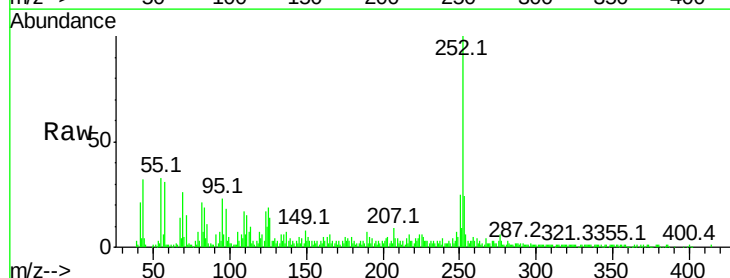
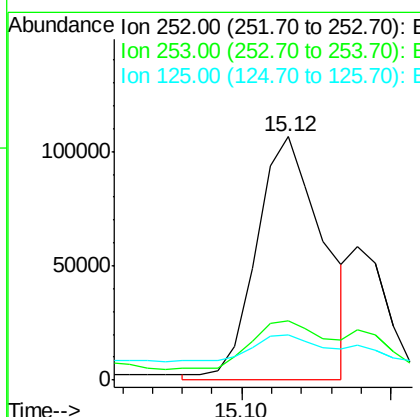
Manual Integrations
APPROVED

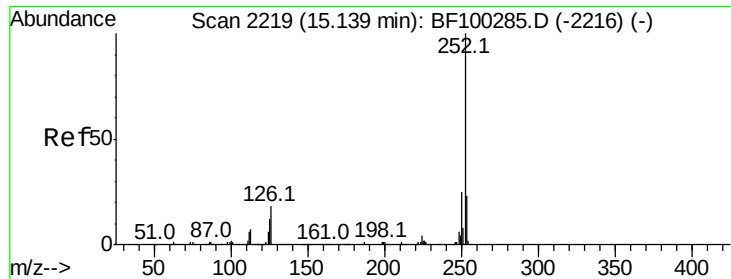
SOHIL
11/13/2017 4:54:04 PM



#87
Benzo(b)fluoranthene
Concen: 8.096 ng m
RT: 15.12 min Scan# 2215
Delta R.T. 0.01 min
Lab File: BF100430.D
Acq: 11 Nov 2017 10:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	18.8	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 2.734 ng m

RT: 15.14 min Scan# 2219

Delta R.T. -0.01 min

Lab File: BF100430.D

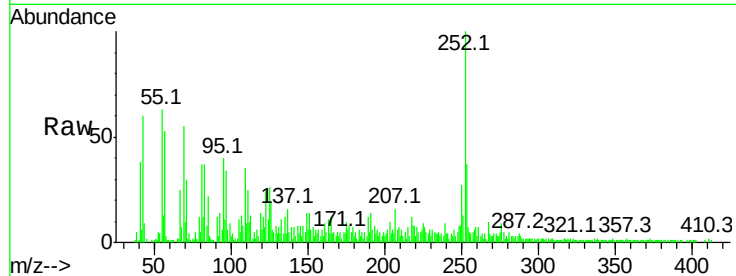
Acq: 11 Nov 2017 10:33

Instrument :
BNA_F
ClientSampleId :
TEC-RCA-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	37.3	17.9	26.9#
125	26.4	10.2	15.2#

Manual Integrations
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SOHIL
11/13/2017 4:54:04 PM

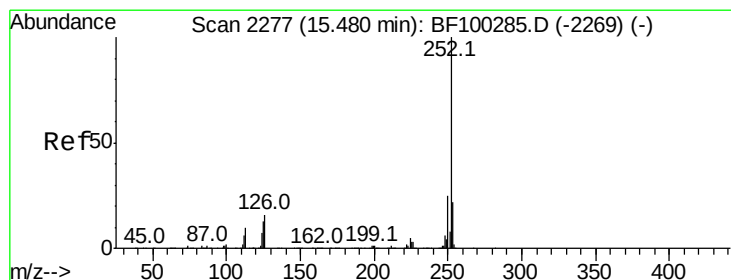
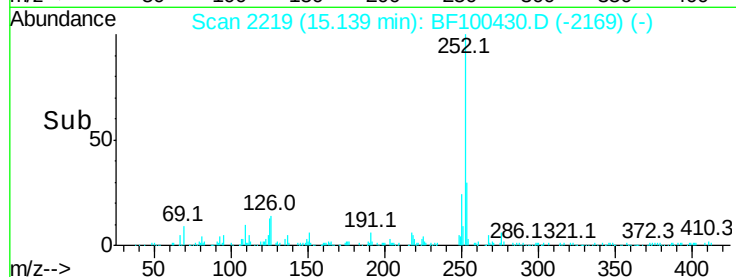
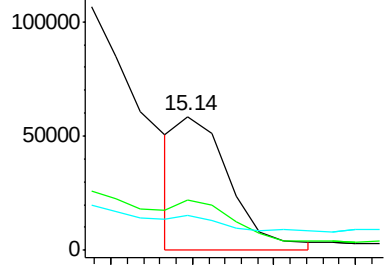


Abundance

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



#89

Benzo(a)pyrene

Concen: 6.137 ng

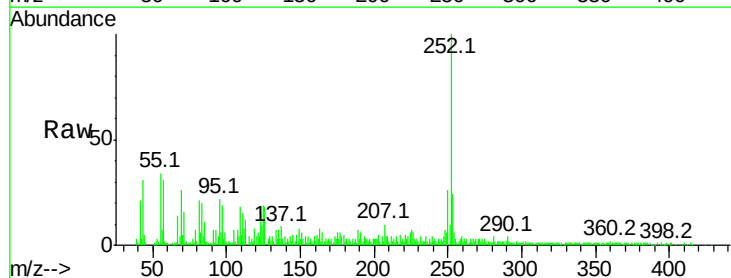
RT: 15.49 min Scan# 2278

Delta R.T. -0.00 min

Lab File: BF100430.D

Acq: 11 Nov 2017 10:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	18.6	9.8	14.6#

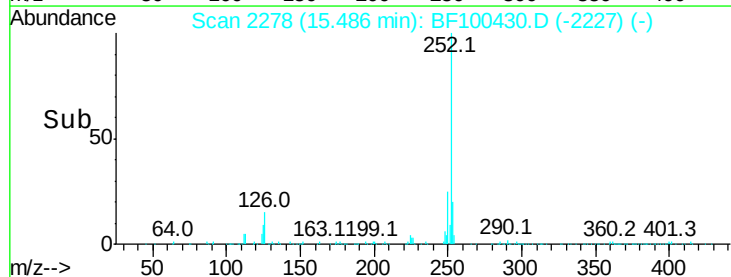
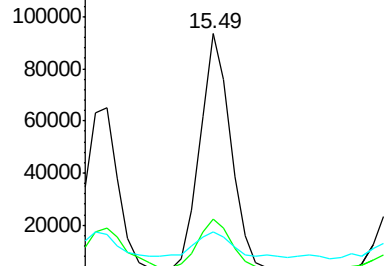


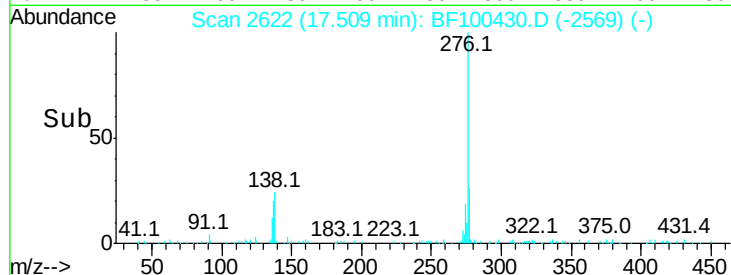
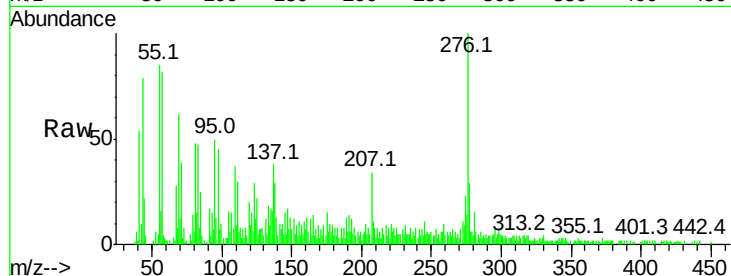
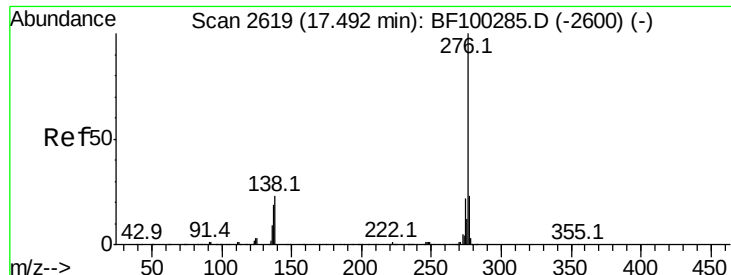
Abundance

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(a,h,i)perylene
Concen: 3.462 ng
RT: 17.51 min Scan# 2622
Delta R.T. 0.01 min
Lab File: BF100430.D
Acq: 11 Nov 2017 10:33

Instrument :
BNA_F
ClientSampleId :
TEC-RCA-SOIL

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.4	17.9	26.9#
138	29.5	21.8	32.8

Manual Integrations
APPROVED

SOHIL
11/13/2017 4:54:04 PM

