

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111317\
 Data File : BF100498.D
 Acq On : 13 Nov 2017 13:14
 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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 11/14/2017 5:20:12 PM

Quant Time: Nov 13 14:14:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 13 14:08:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	107882	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	419518	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	185599	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	301061	20.00	ng	0.00
75) Chrysene-d12	14.05	240	230065	20.00	ng	0.00
86) Perylene-d12	15.53	264	205898	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	364948	54.23	ng	0.00
7) Phenol-d6	6.52	99	811228	97.75	ng	0.00
23) Nitrobenzene-d5	7.45	82	433367	68.30	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	84509	44.68	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	781585	64.12	ng	0.00
78) Terphenyl-d14	12.99	244	554037	55.33	ng	0.00
Target Compounds						
10) Phenol	6.53	94	34520	3.962	ng	93
31) Naphthalene	8.19	128	64937	3.214	ng	98
37) 2-Methylnaphthalene	8.88	142	68827	5.131	ng	97
49) Dimethylphthalate	9.63	163	120726	8.519	ng	99
51) Acenaphthene	9.96	154	31419	2.677	ng	98
57) Fluorene	10.47	166	36776	3.052	ng	99
70) Phenanthrene	11.43	178	236069	14.893	ng	98
71) Anthracene	11.49	178	55863	3.474	ng	98
74) Fluoranthene	12.62	202	218005	12.977	ng	95
77) Pyrene	12.85	202	197291	12.030	ng	99
79) Butylbenzylphthalate	13.47	149	32458	4.853	ng	# 87
80) Benzo(a)anthracene	14.04	228	94104m	6.792	ng	
82) Chrysene	14.07	228	95757	7.137	ng	97
83) Bis(2-ethylhexyl)phthalate	14.02	149	20341	2.312	ng	# 99
85) Indeno(1,2,3-cd)pyrene	17.02	276	31682	2.920	ng	# 90
87) Benzo(b)fluoranthene	15.09	252	100294m	8.222	ng	
88) Benzo(k)fluoranthene	15.12	252	27140m	2.355	ng	
89) Benzo(a)pyrene	15.47	252	63885	5.907	ng	# 92
91) Benzo(a,h,i)perylene	17.47	276	31710	3.663	ng	91

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

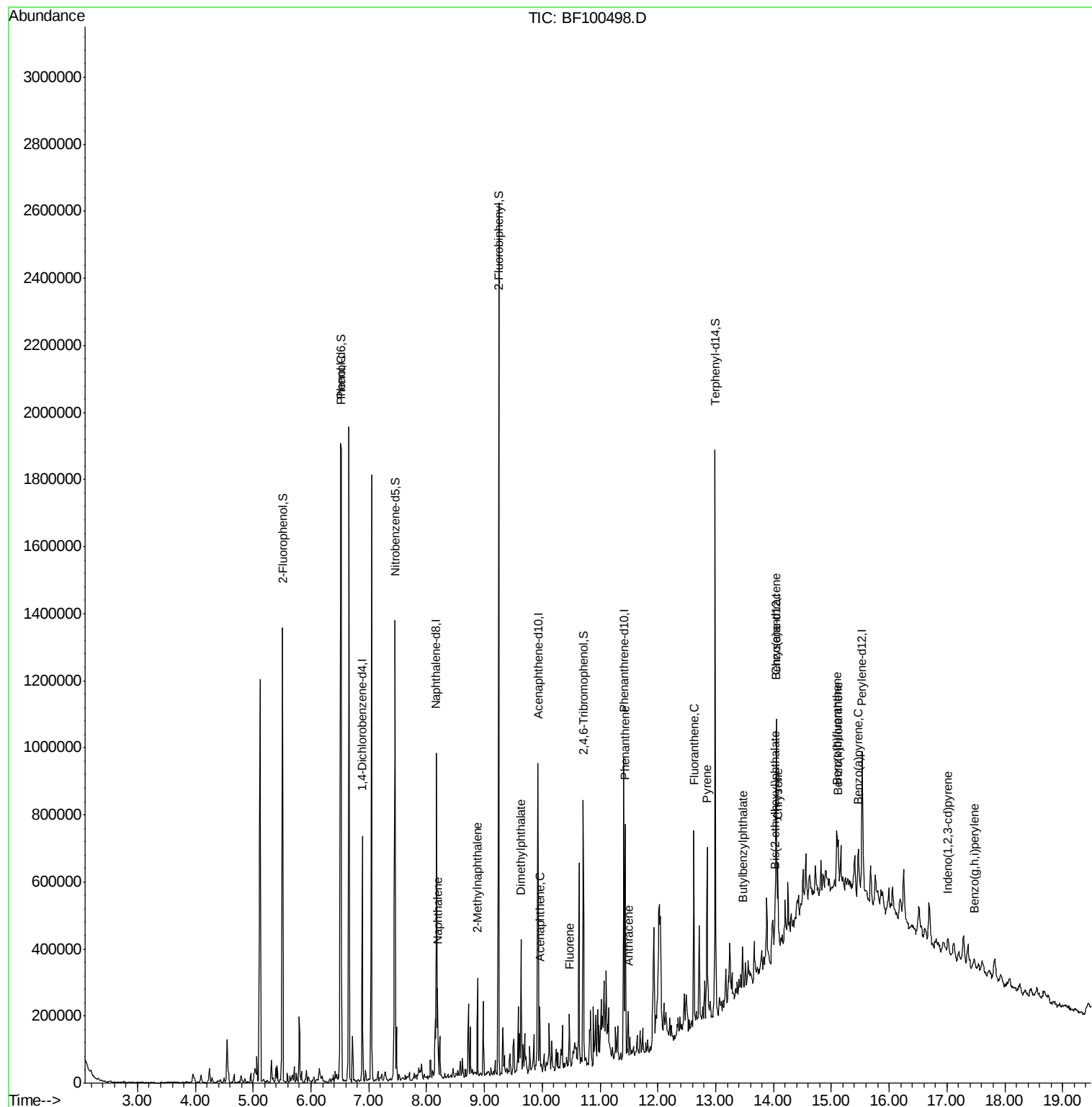
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111317\
Data File : BF100498.D
Acq On : 13 Nov 2017 13:14
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Misc :
ALS Vial : 3 Sample Multiplier: 1

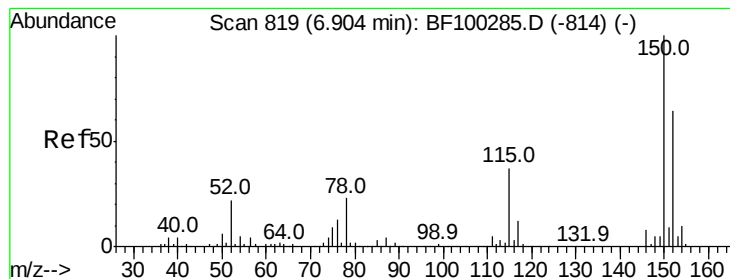
Instrument :
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TEC-RCA-SOIL

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Quant Time: Nov 13 14:14:30 2017
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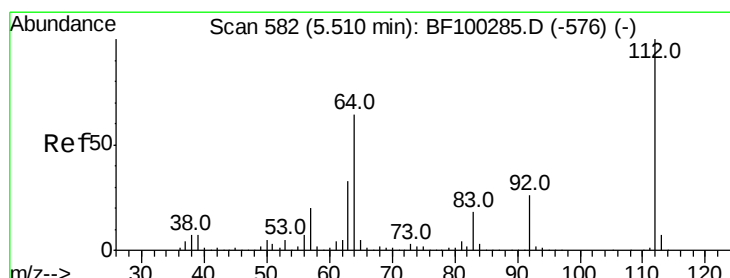
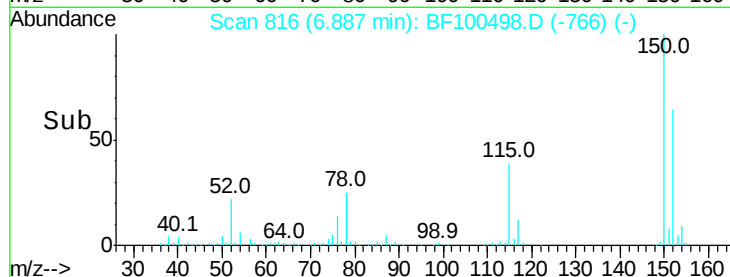
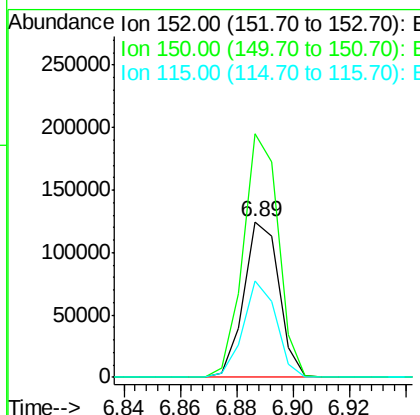
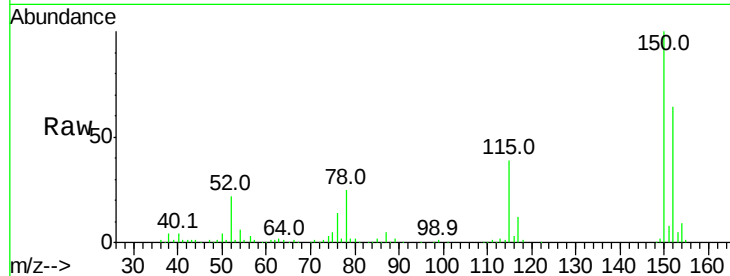
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 816
 Delta R.T. -0.01 min
 Lab File: BF100498.D
 Acq: 13 Nov 2017 13:14

Instrument :
 BNA_F
 ClientSampleId :
 TEC-RCA-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	61.6	50.1	75.1

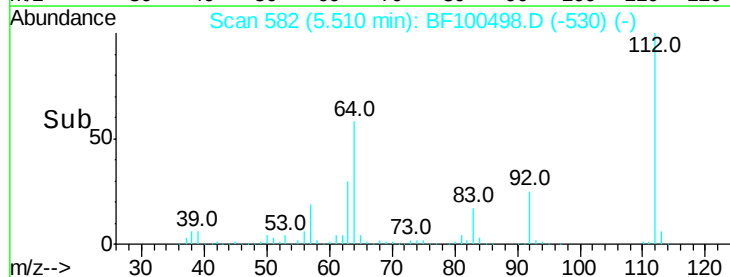
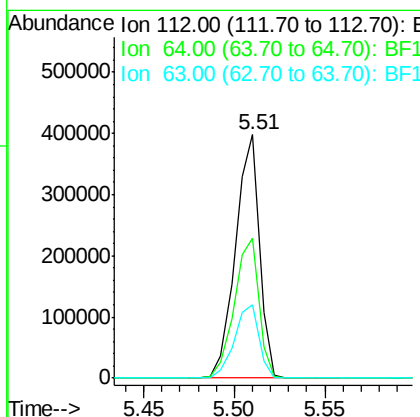
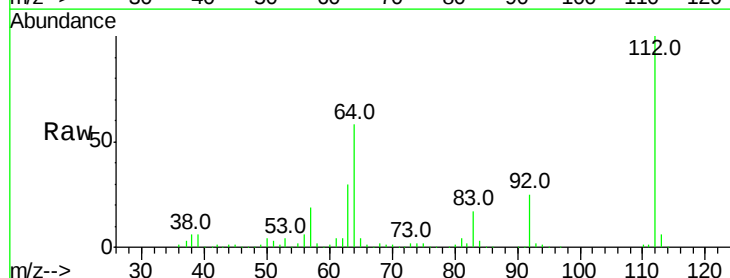
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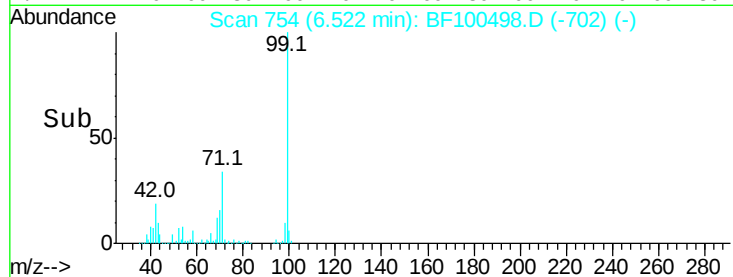
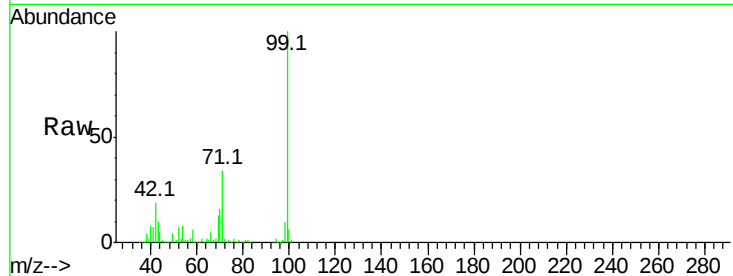
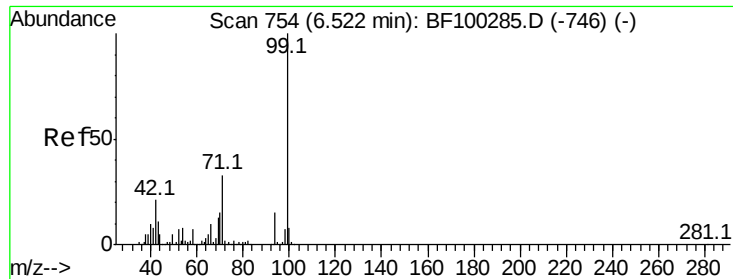
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#5
 2-Fluorophenol
 Concen: 54.227 ng
 RT: 5.51 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: BF100498.D
 Acq: 13 Nov 2017 13:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	47.9	71.9
63	30.4	23.7	35.5





#7

Phenol-d6

Concen: 97.749 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF100498.D

Acq: 13 Nov 2017 13:14

Tot Ion:	99	Resp:	811228
Ion Ratio	Lower	Upper	
99	100		
42	19.2	14.5	21.7
71	34.5	25.4	38.0

Instrument :

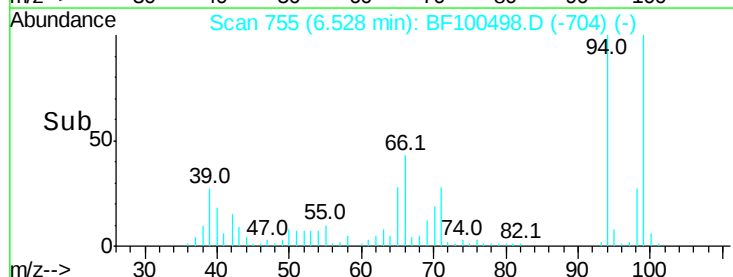
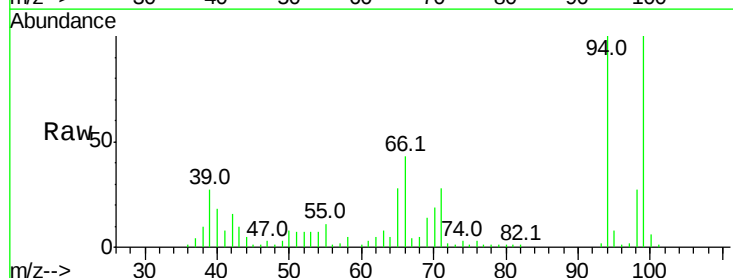
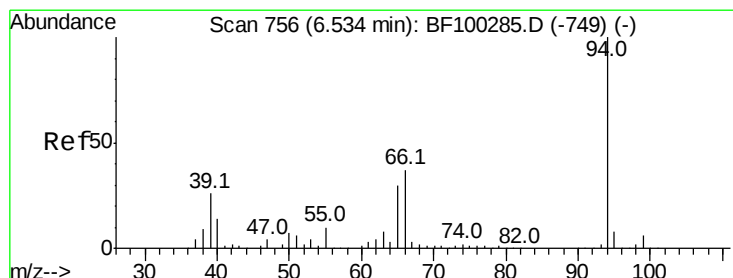
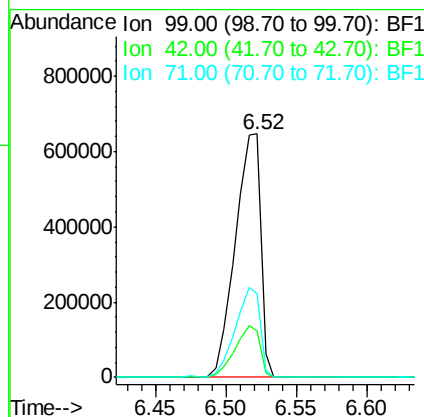
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 3.962 ng

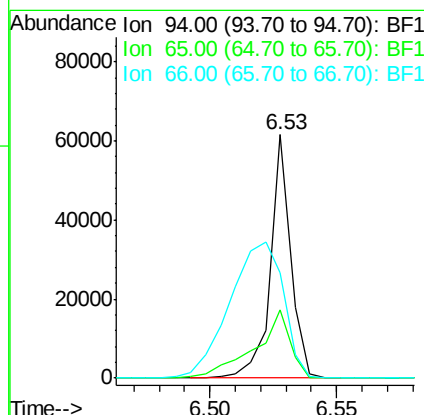
RT: 6.53 min Scan# 755

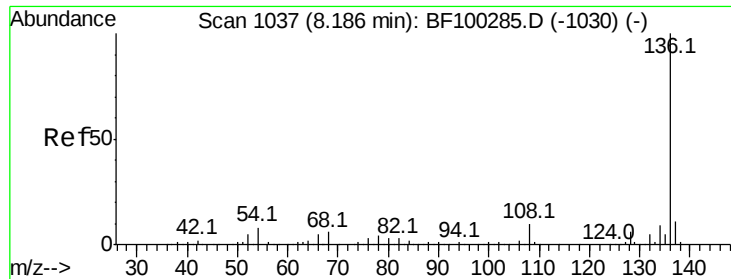
Delta R.T. 0.00 min

Lab File: BF100498.D

Acq: 13 Nov 2017 13:14

Tgt Ion:	94	Resp:	34520
Ion Ratio	Lower	Upper	
94	100		
65	27.9	7.9	47.9
66	43.0	16.2	56.2





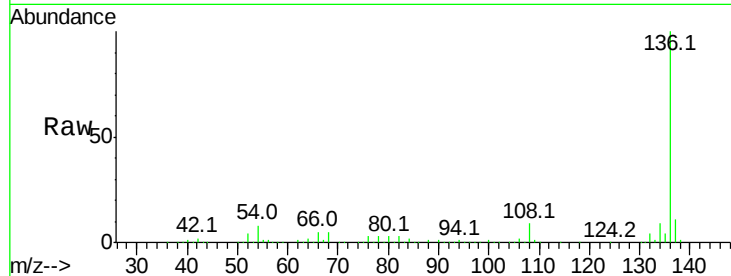
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF100498.D
Acq: 13 Nov 2017 13:14

Instrument :
BNA_F
ClientSampleId :
TEC-RCA-SOIL

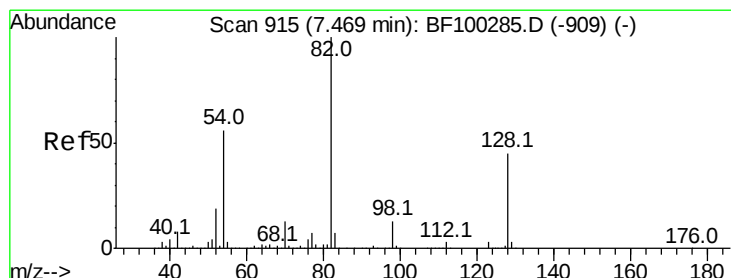
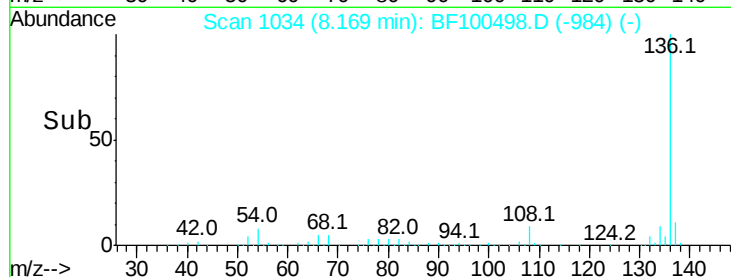
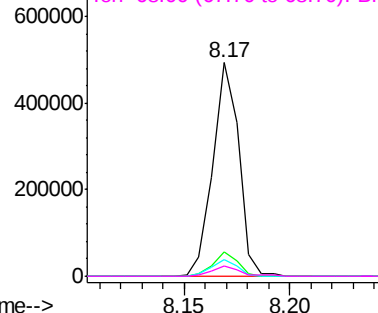
Tot Ion	Ratio	Resp	Lower	Upper
136	100	419518		
137	11.2		8.9	13.3
54	7.9		6.6	9.8
68	5.1		5.0	7.4

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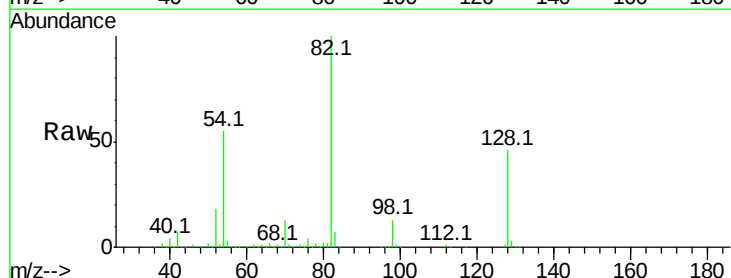


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

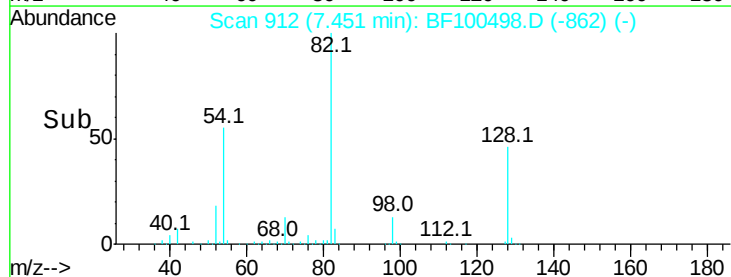
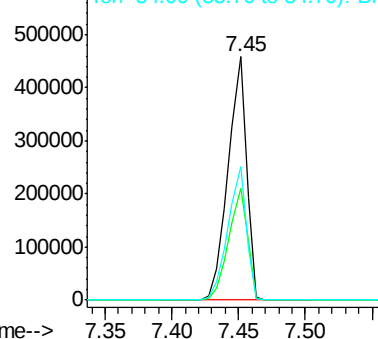


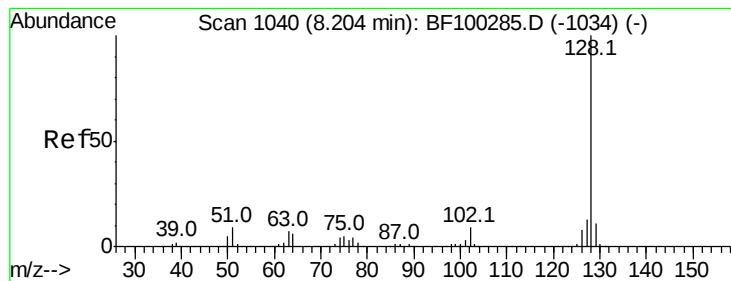
#23
Nitrobenzene-d5
Concen: 68.296 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF100498.D
Acq: 13 Nov 2017 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	433367		
128	45.7		36.1	54.1
54	54.8		41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#31

Naphthalene

Concen: 3.214 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF100498.D

Acq: 13 Nov 2017 13:14

Instrument :

BNA_F

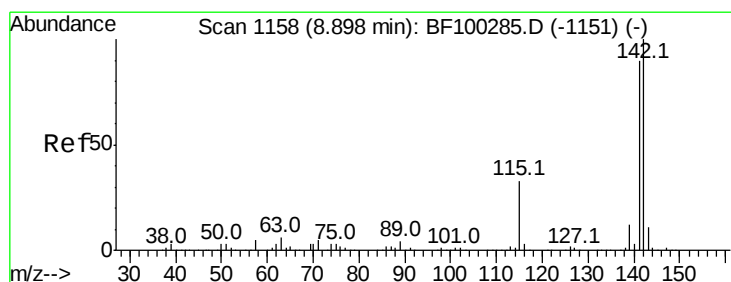
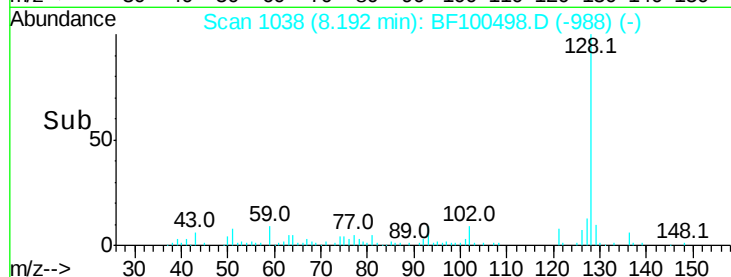
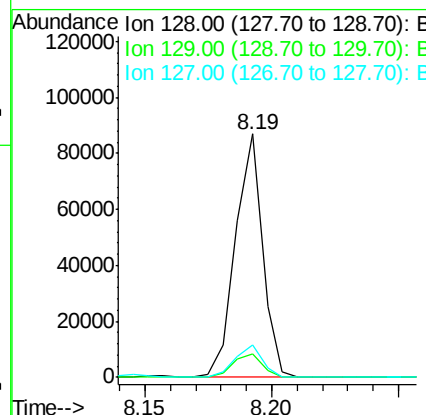
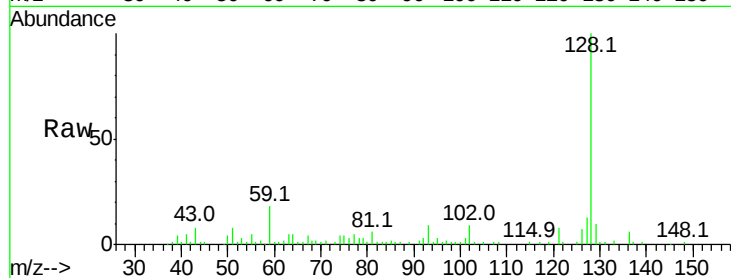
ClientSampleId :

TEC-RCA-SOIL

Tot Ion:	128	Resp:	64937
Ion Ratio	Lower	Upper	
128	100		
129	9.9	8.8	13.2
127	13.2	10.9	16.3

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#37

2-Methylnaphthalene

Concen: 5.131 ng

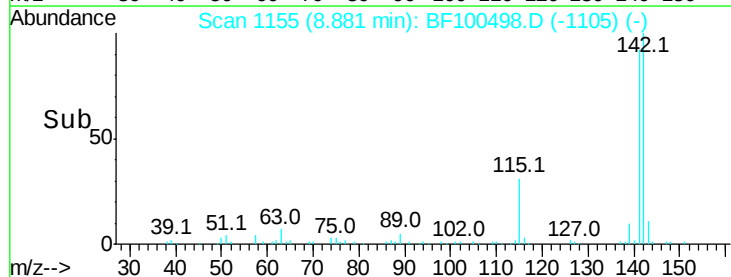
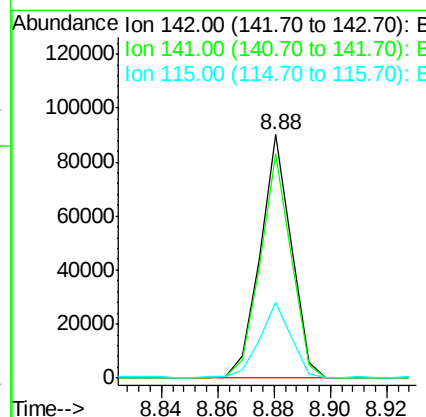
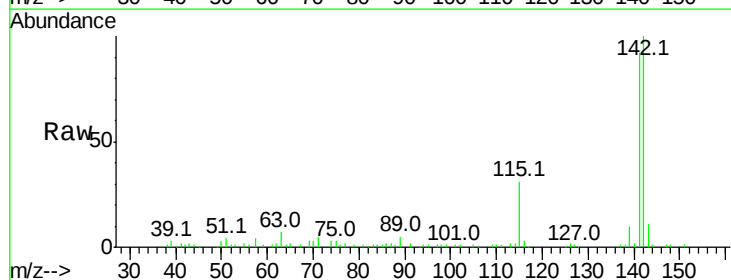
RT: 8.88 min Scan# 1155

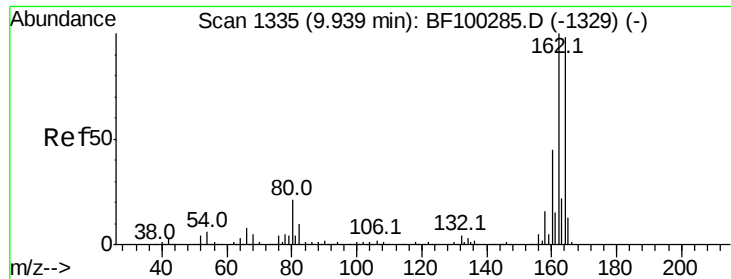
Delta R.T. -0.01 min

Lab File: BF100498.D

Acq: 13 Nov 2017 13:14

Tgt Ion:	142	Resp:	68827
Ion Ratio	Lower	Upper	
142	100		
141	92.0	70.8	106.2
115	31.4	26.1	39.1





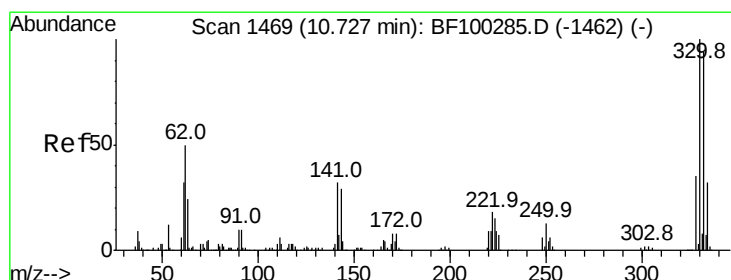
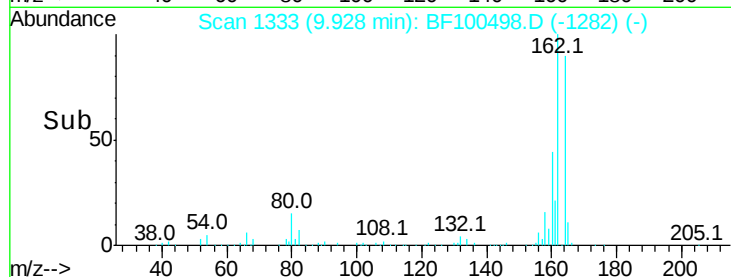
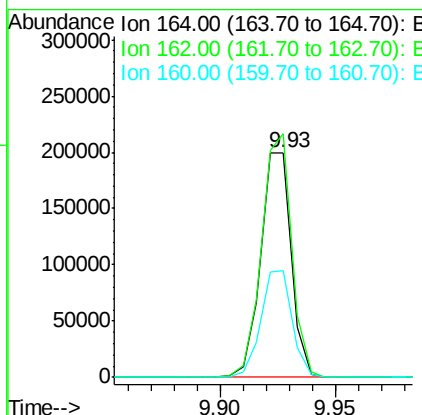
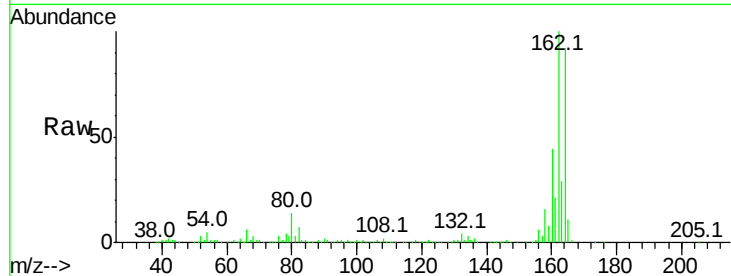
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BF100498.D
Acq: 13 Nov 2017 13:14

Instrument :
BNA_F
ClientSampleId :
TEC-RCA-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
164	100	185599		
162	108.3	86.1	129.1	
160	47.7	38.3	57.5	

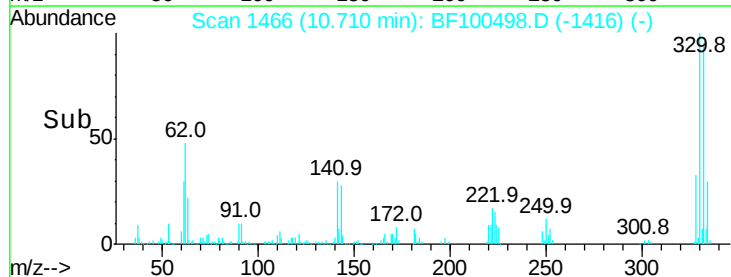
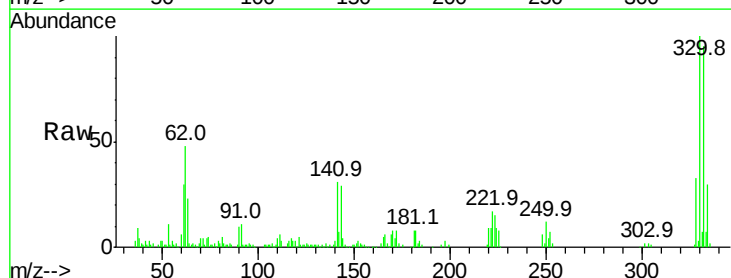
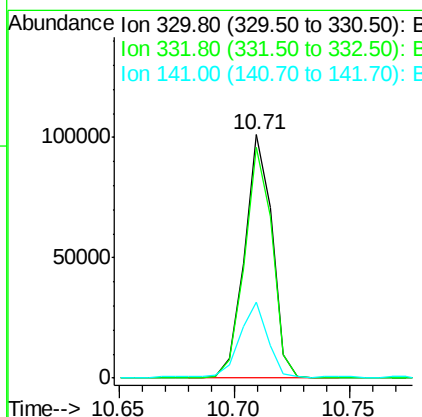
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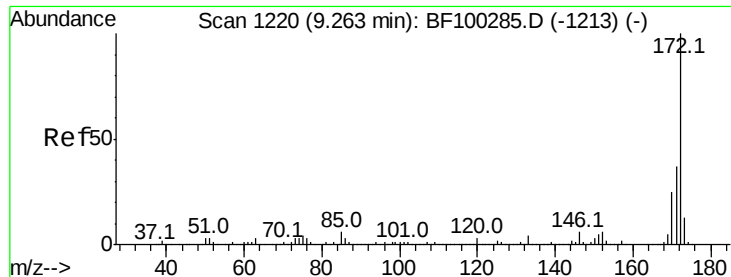
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#41
2,4,6-Tribromophenol
Concen: 44.684 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF100498.D
Acq: 13 Nov 2017 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	84509		
332	94.7	77.0	115.6	
141	32.9	29.9	44.9	





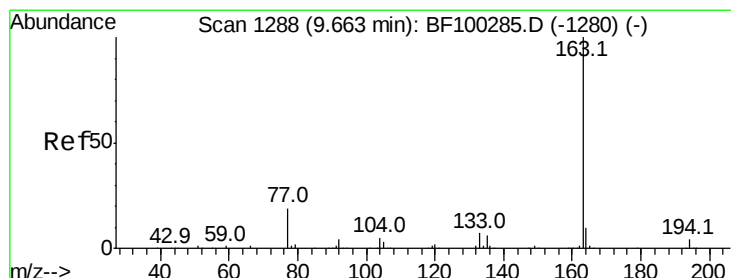
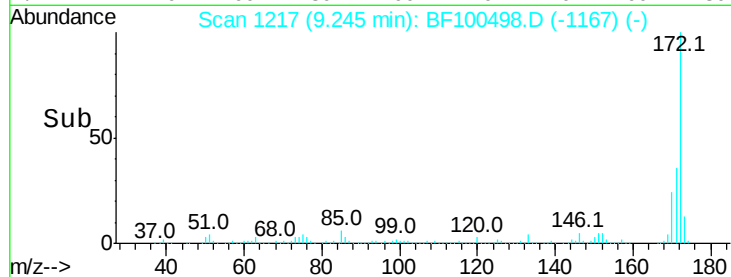
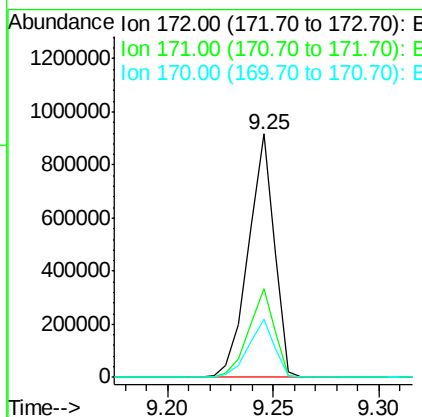
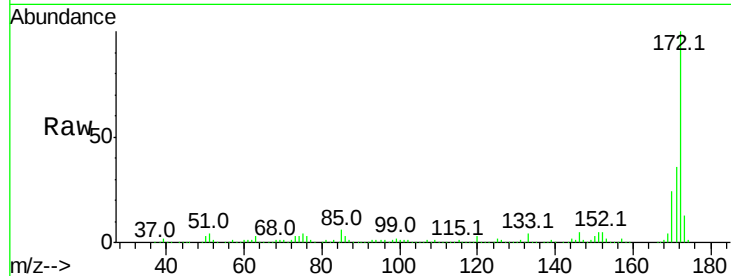
#44
2-Fluorobiphenyl
Concen: 64.124 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF100498.D
Acq: 13 Nov 2017 13:14

Instrument :
BNA_F
ClientSampleId :
TEC-RCA-SOIL

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.6	19.6	29.4

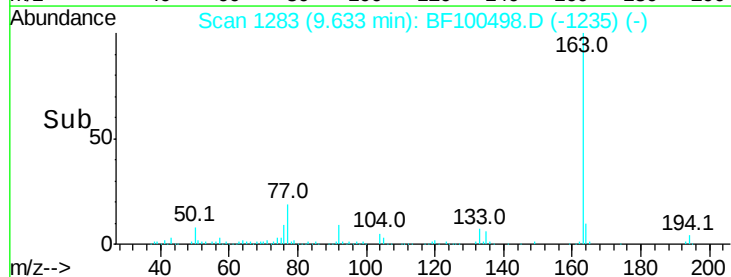
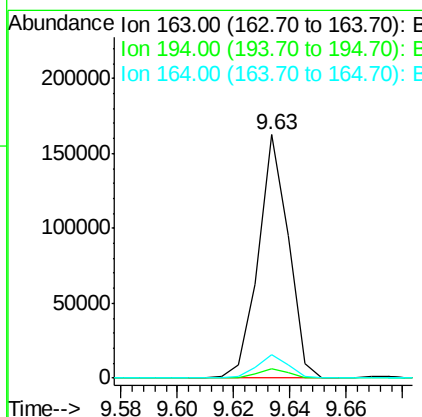
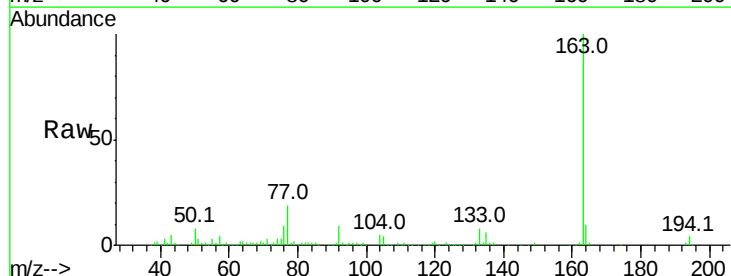
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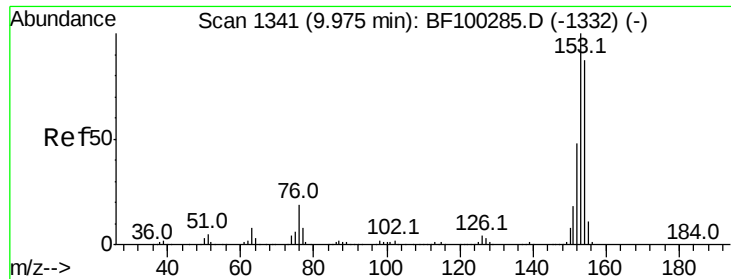
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#49
Dimethylphthalate
Concen: 8.519 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF100498.D
Acq: 13 Nov 2017 13:14

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.9	2.7	4.1
164	9.7	8.2	12.2





#51

Acenaphthene

Concen: 2.677 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF100498.D

Acq: 13 Nov 2017 13:14

Instrument :

BNA_F

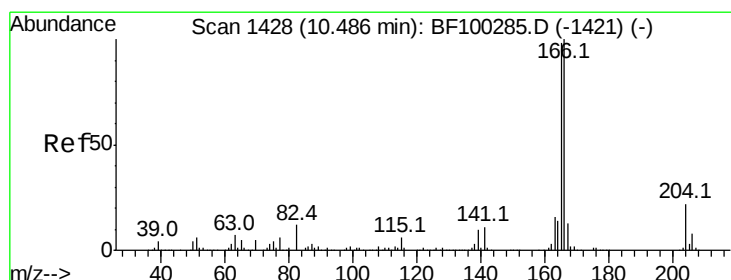
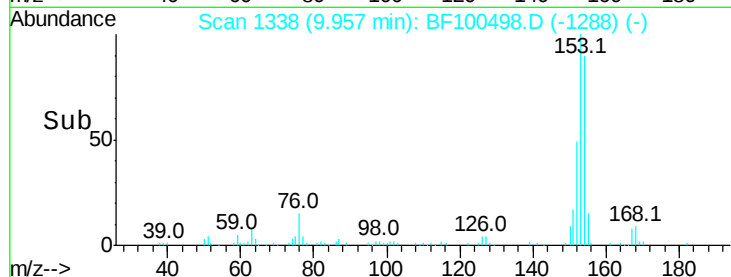
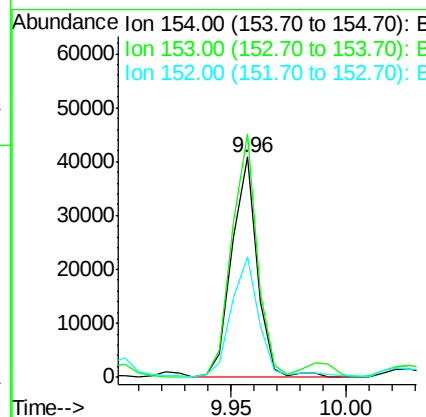
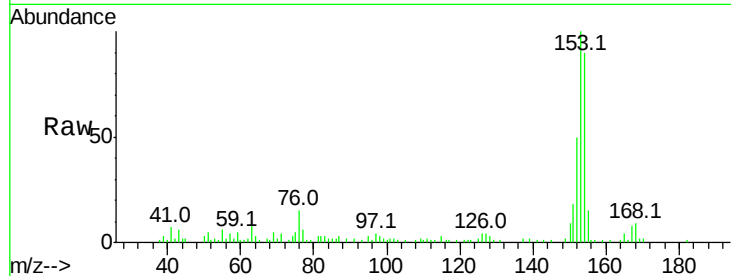
ClientSampleId :

TEC-RCA-SOIL

Tot Ion:	154	Resp:	31419
Ion	Ratio	Lower	Upper
154	100		
153	110.6	91.2	136.8
152	55.0	43.8	65.8

Manual Integrations
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#57

Fluorene

Concen: 3.052 ng

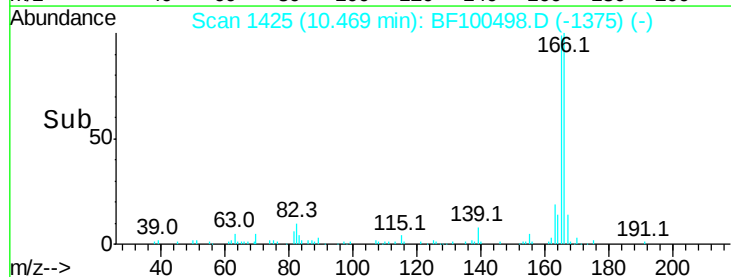
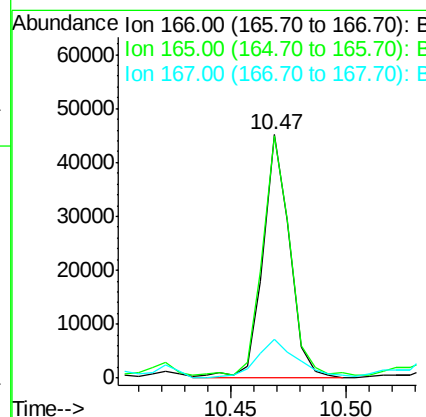
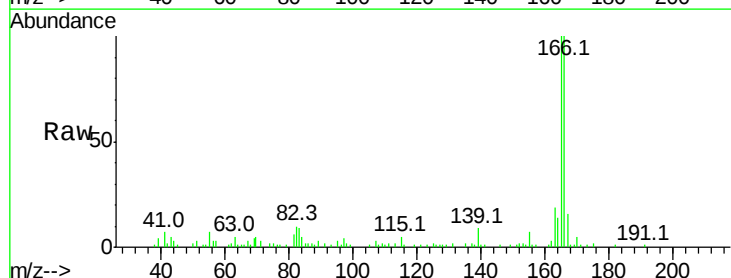
RT: 10.47 min Scan# 1425

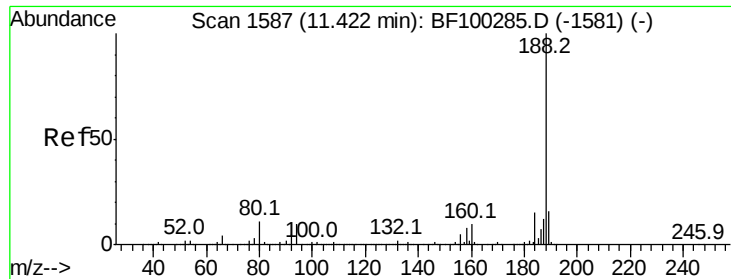
Delta R.T. -0.01 min

Lab File: BF100498.D

Acq: 13 Nov 2017 13:14

Tgt Ion:	166	Resp:	36776
Ion	Ratio	Lower	Upper
166	100		
165	99.7	79.8	119.8
167	15.8	10.6	16.0





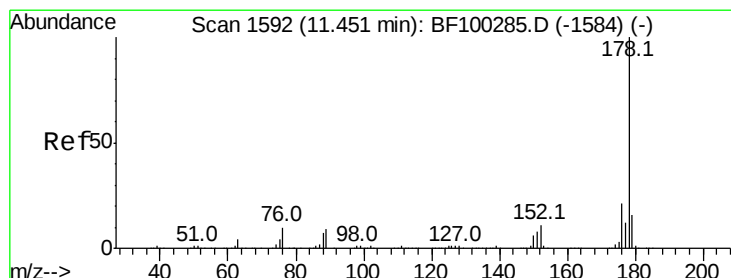
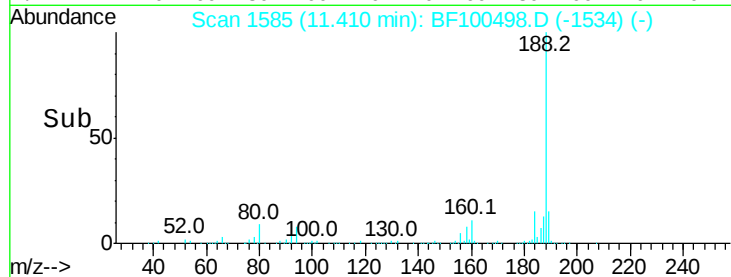
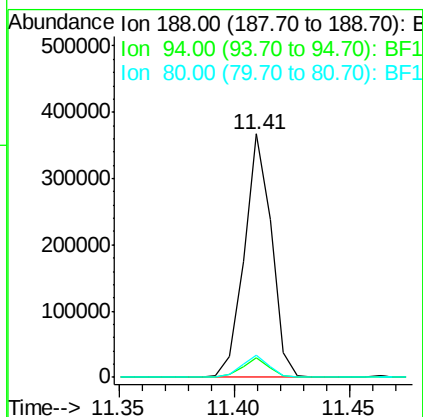
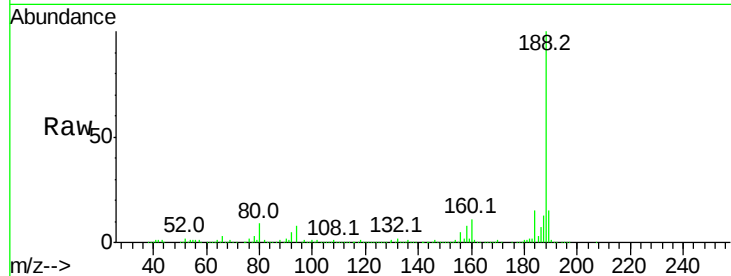
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF100498.D
Acq: 13 Nov 2017 13:14

Instrument :
BNA_F
ClientSampleId :
TEC-RCA-SOIL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.3	8.5	12.7#
80	9.2	9.2	13.8#

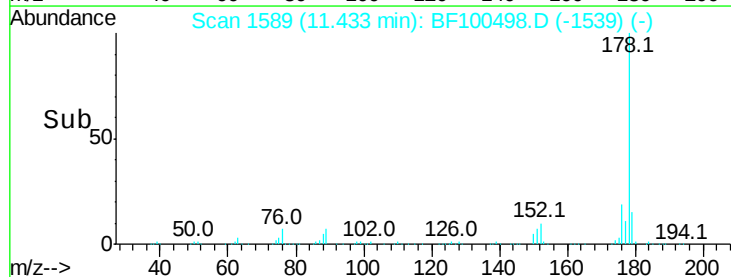
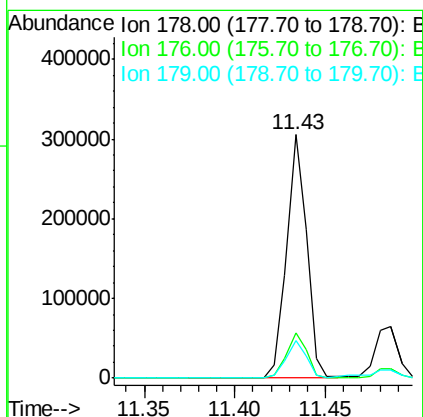
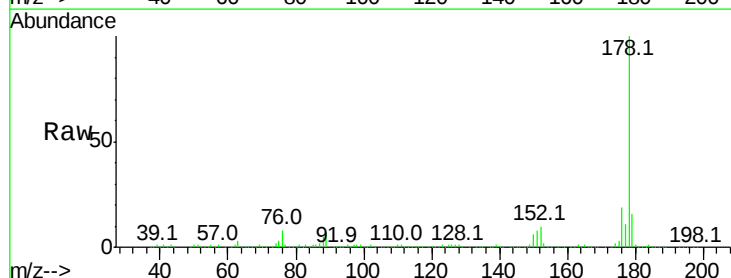
Manual Integrations
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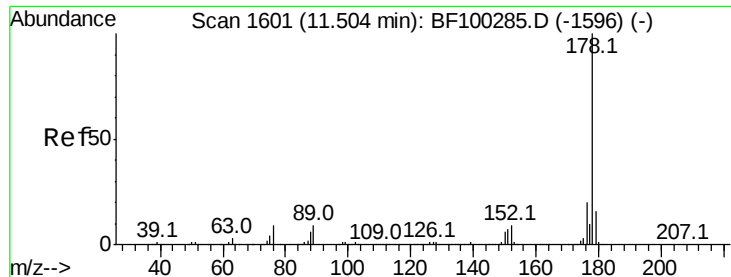
SOHIL
11/14/2017 5:20:12 PM



#70
Phenanthrene
Concen: 14.893 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF100498.D
Acq: 13 Nov 2017 13:14

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.5	13.0	19.6





#71

Anthracene

Concen: 3.474 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF100498.D

Acq: 13 Nov 2017 13:14

Instrument :

BNA_F

ClientSampleId :

TEC-RCA-SOIL

Tot Ion:178 Resp: 55863

Ion Ratio Lower Upper

178 100

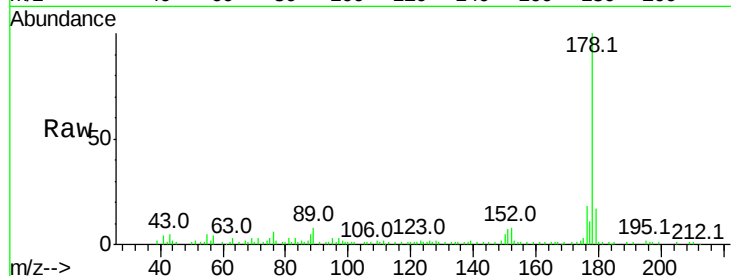
176 18.0 15.4 23.2

179 16.5 12.6 19.0

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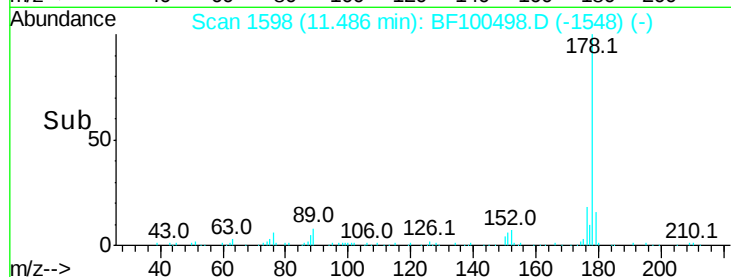
11/14/2017 5:20:12 PM



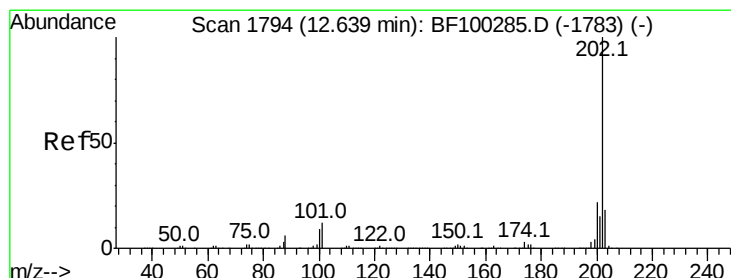
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Fluoranthene

Concen: 12.977 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF100498.D

Acq: 13 Nov 2017 13:14

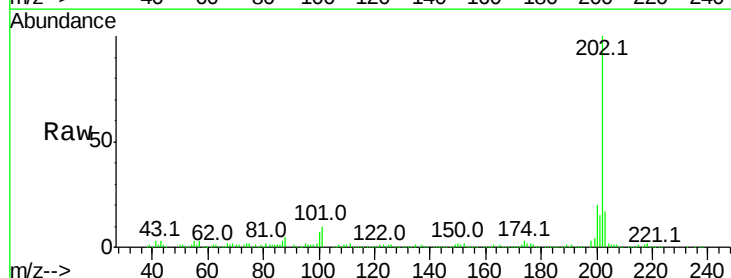
Tgt Ion:202 Resp: 218005

Ion Ratio Lower Upper

202 100

101 10.4 0.0 34.1

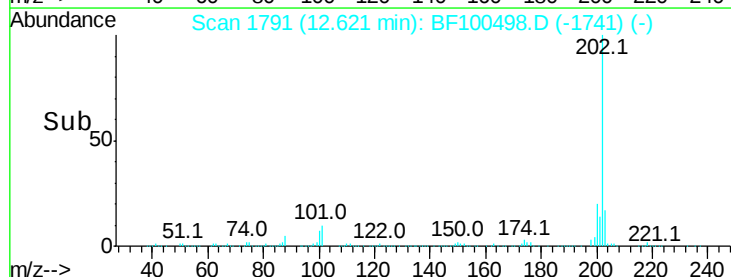
203 17.2 0.0 38.1



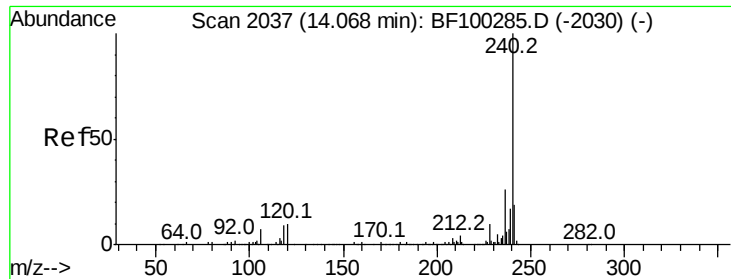
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF100498.D

Acq: 13 Nov 2017 13:14

Instrument :

BNA_F

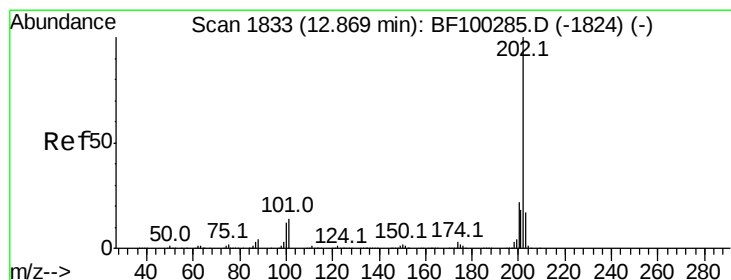
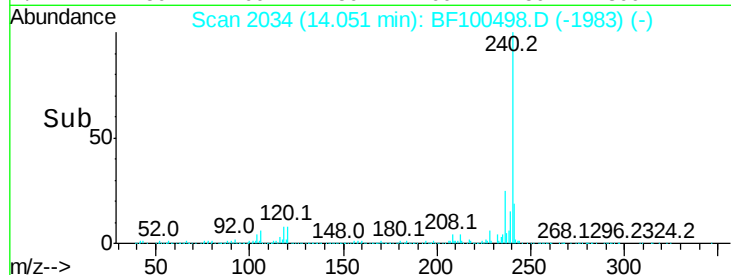
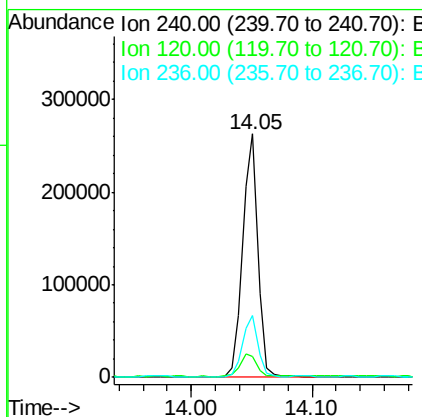
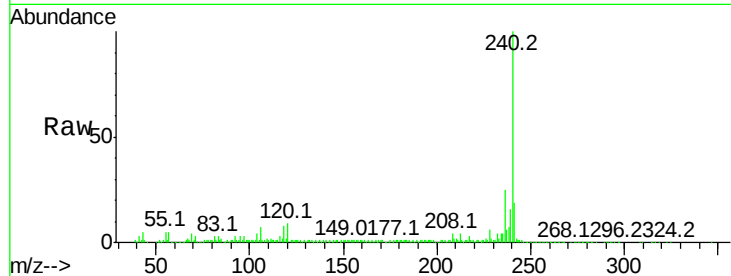
ClientSampleId :

TEC-RCA-SOIL

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.8	9.5	14.3#
236	25.3	20.7	31.1

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#77

Pyrene

Concen: 12.030 ng

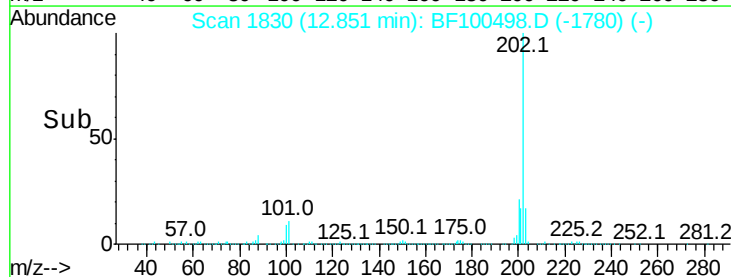
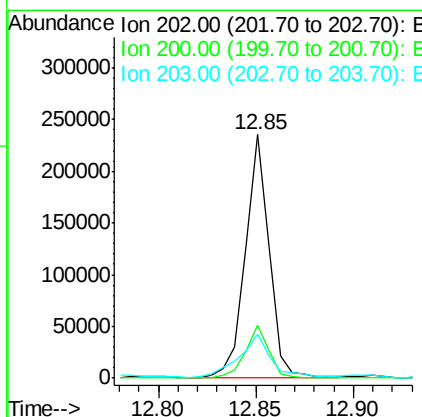
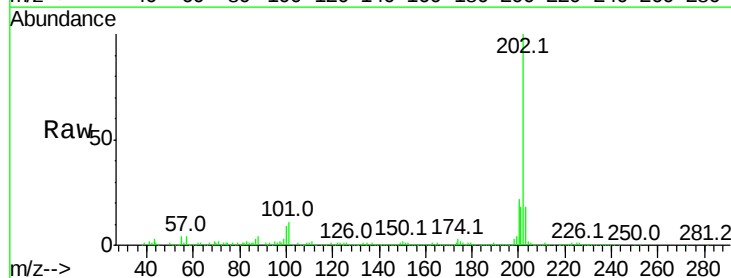
RT: 12.85 min Scan# 1830

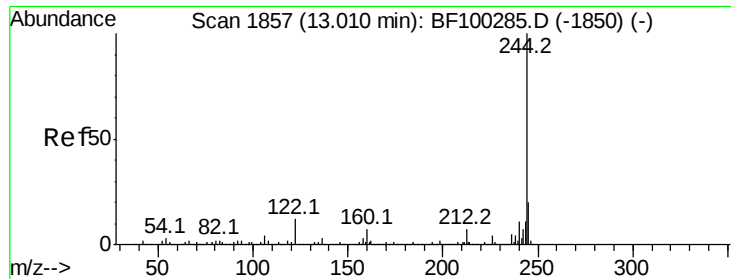
Delta R.T. -0.01 min

Lab File: BF100498.D

Acq: 13 Nov 2017 13:14

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	18.3	14.3	21.5





#78

Terphenyl-d14

Concen: 55.333 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF100498.D

Acq: 13 Nov 2017 13:14

Instrument :

BNA_F

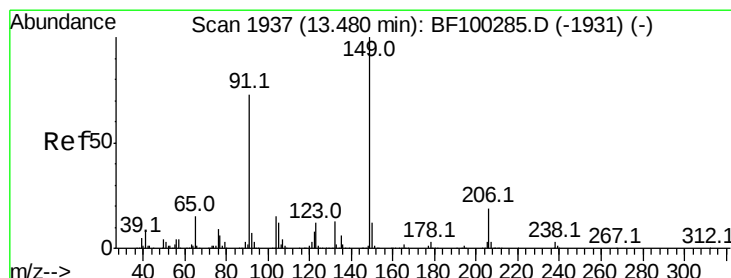
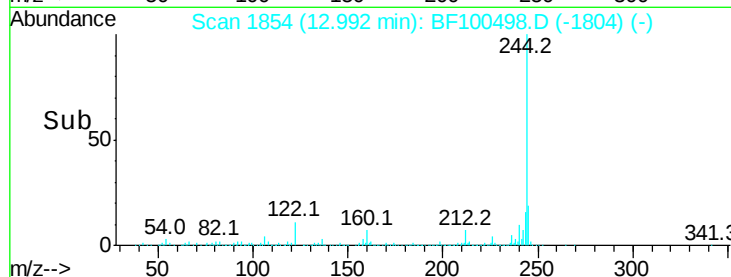
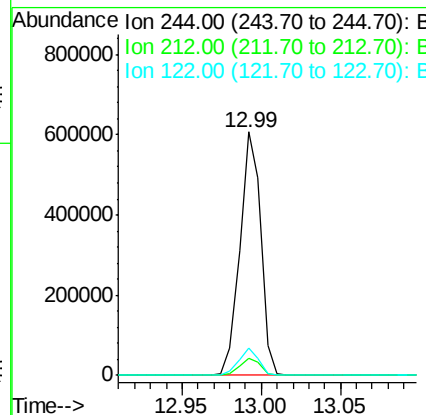
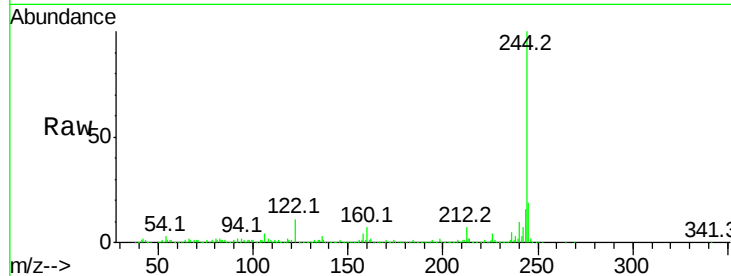
ClientSampleId :

TEC-RCA-SOIL

Tot Ion:	244	Resp:	554037
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	11.2	11.0	16.4

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#79

Butylbenzylphthalate

Concen: 4.853 ng

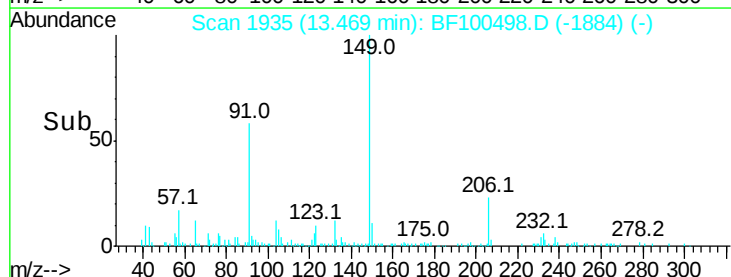
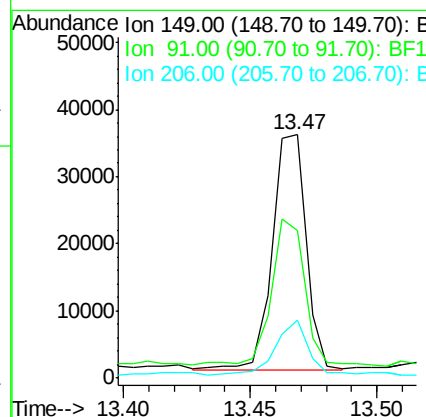
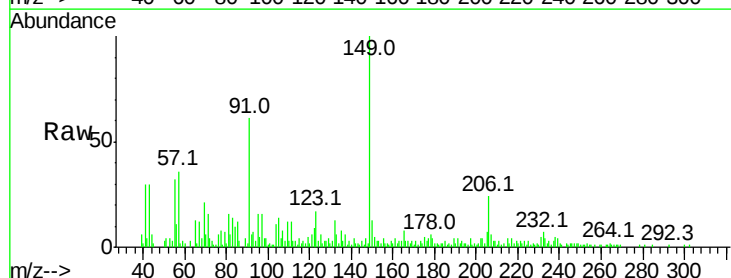
RT: 13.47 min Scan# 1935

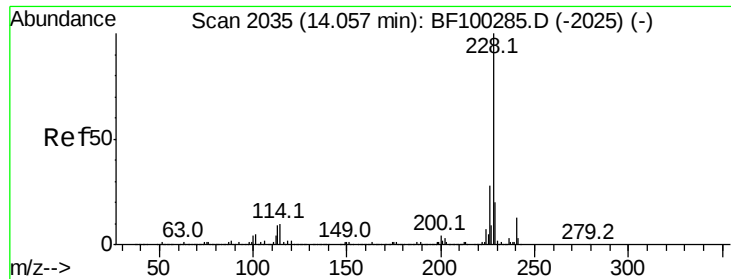
Delta R.T. 0.00 min

Lab File: BF100498.D

Acq: 13 Nov 2017 13:14

Tgt Ion:	149	Resp:	32458
Ion Ratio	Lower	Upper	
149	100		
91	60.6	56.8	85.2
206	23.9	14.1	21.1#





#80

Benzo(a)anthracene

Concen: 6.792 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BF100498.D

Acq: 13 Nov 2017 13:14

Instrument :

BNA_F

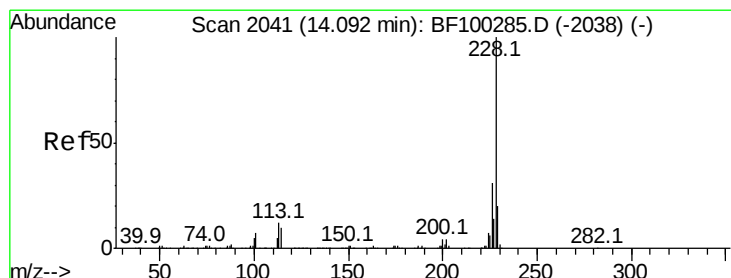
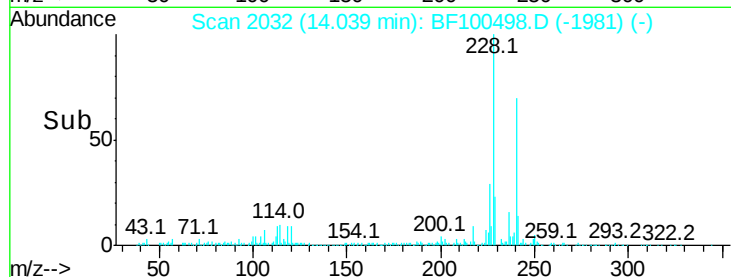
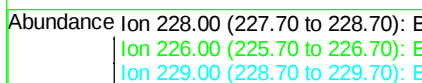
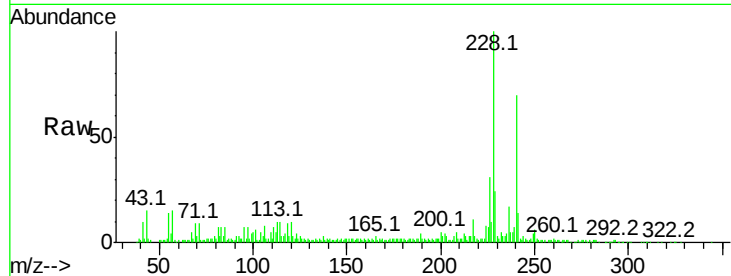
ClientSampled :

TEC-RCA-SOIL

Tot Ion:228	Resp:	94104
Ion Ratio	Lower	Upper
228	100	
226	30.7	22.6 33.8
229	24.2	15.8 23.6#

Manual Integrations
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#82

Chrysene

Concen: 7.137 ng

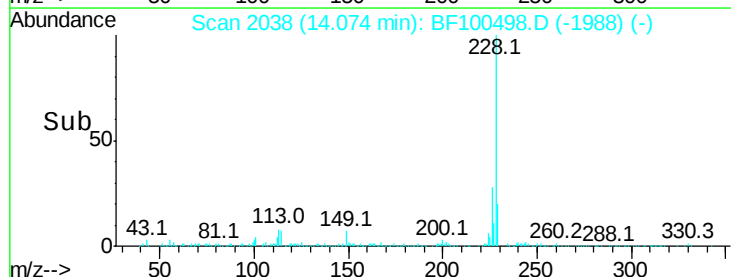
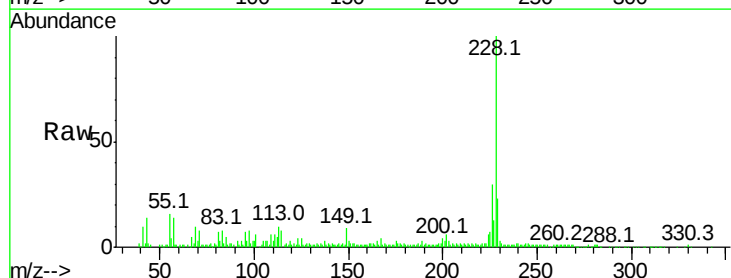
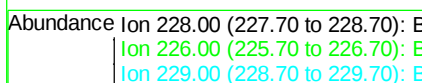
RT: 14.07 min Scan# 2038

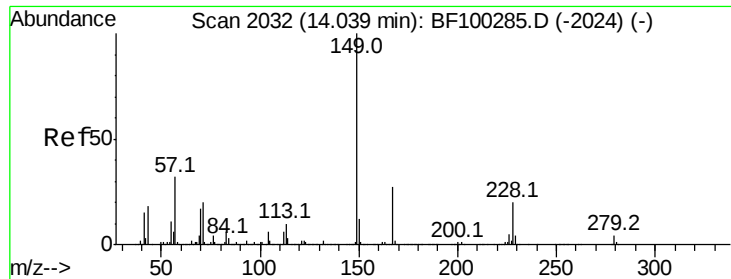
Delta R.T. -0.01 min

Lab File: BF100498.D

Acq: 13 Nov 2017 13:14

Tgt Ion:228	Resp:	95757
Ion Ratio	Lower	Upper
228	100	
226	30.5	25.0 37.6
229	22.7	16.2 24.4





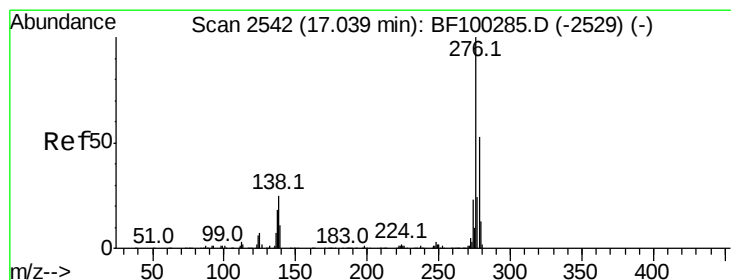
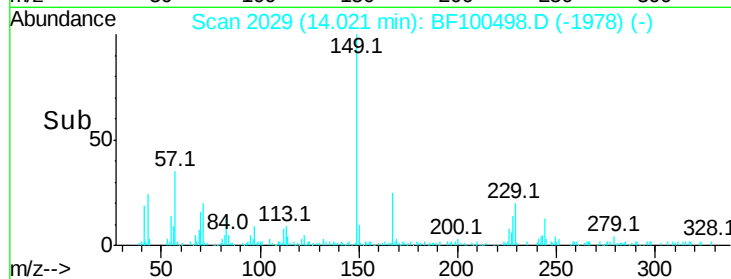
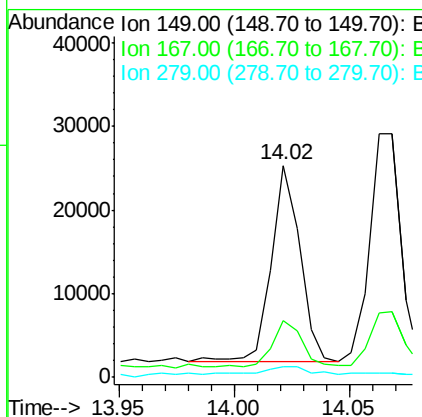
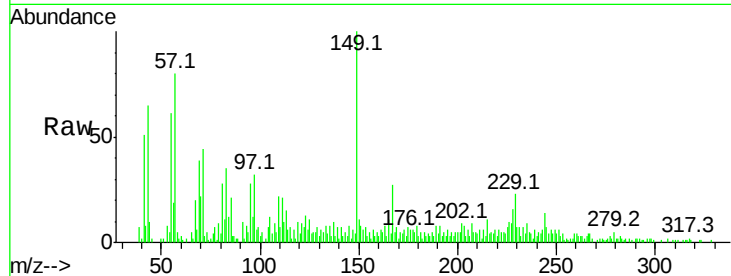
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.312 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. 0.00 min
 Lab File: BF100498.D
 Acq: 13 Nov 2017 13:14

Instrument :
 BNA_F
 ClientSampleId :
 TEC-RCA-SOIL

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.3	31.9
279	5.2	3.0	4.4#

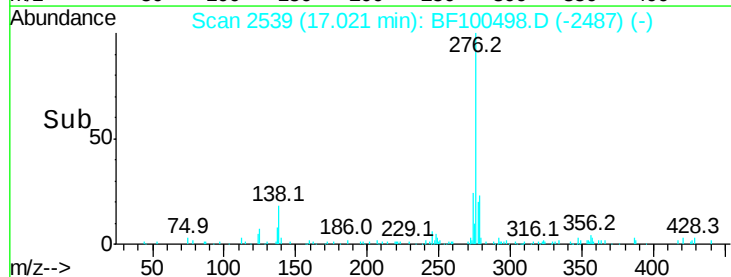
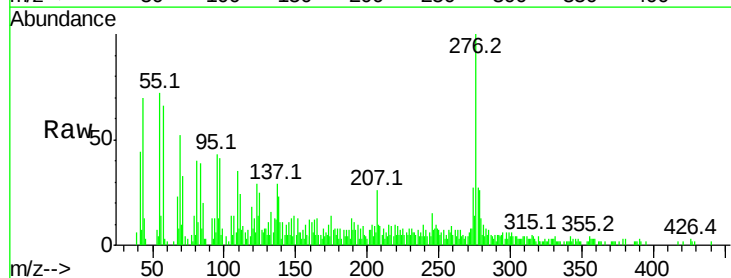
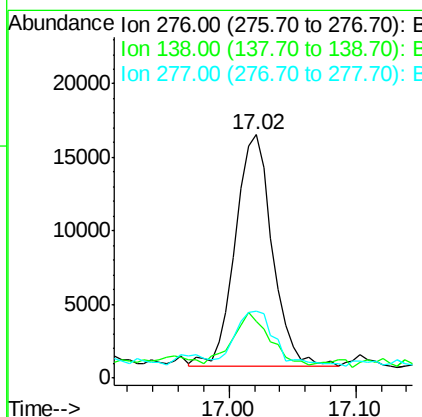
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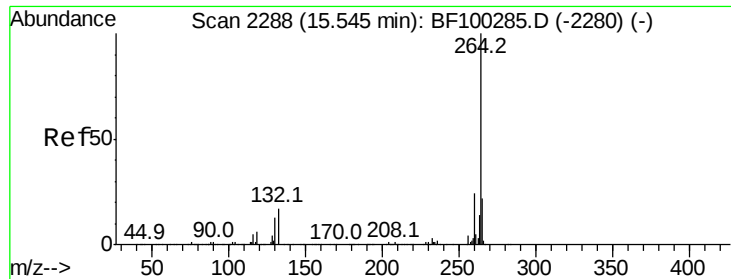
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 11/14/2017 5:20:12 PM



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.920 ng
 RT: 17.02 min Scan# 2539
 Delta R.T. 0.01 min
 Lab File: BF100498.D
 Acq: 13 Nov 2017 13:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.3	25.0	37.6#
277	26.7	20.1	30.1





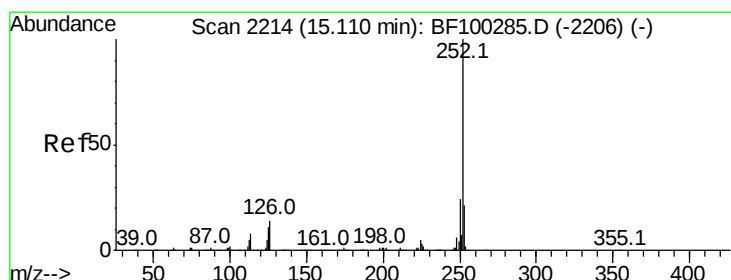
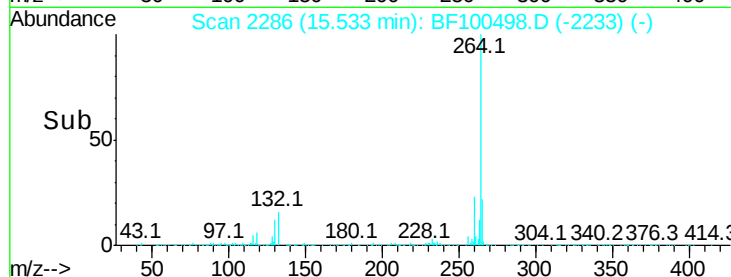
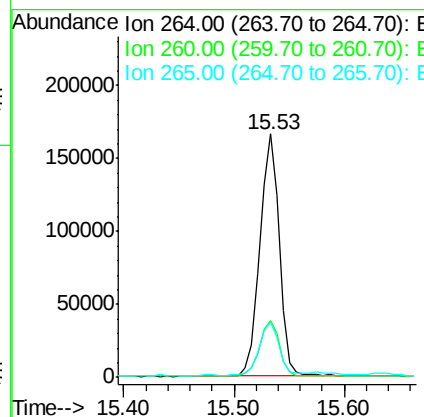
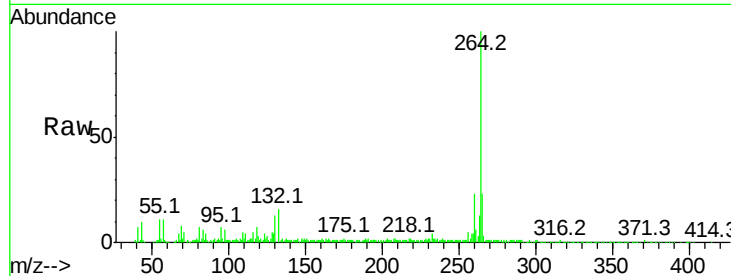
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF100498.D
Acq: 13 Nov 2017 13:14

Instrument :
BNA_F
ClientSampleId :
TEC-RCA-SOIL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.8	17.5	26.3

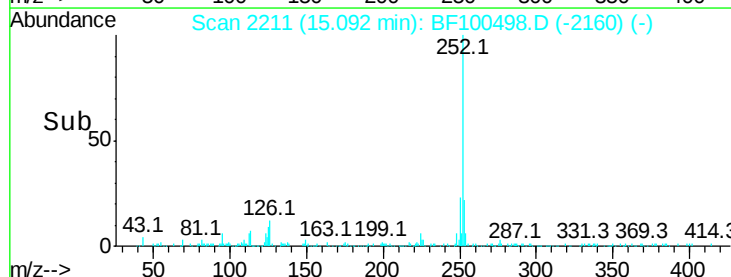
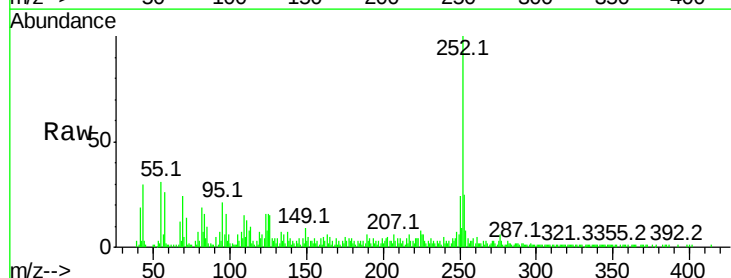
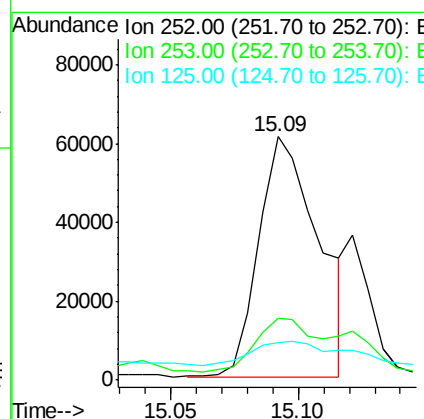
Manual Integrations
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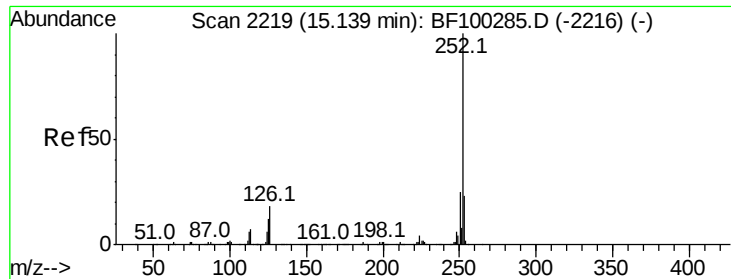
SOHIL
11/14/2017 5:20:12 PM



#87
Benzo(b)fluoranthene
Concen: 8.222 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.00 min
Lab File: BF100498.D
Acq: 13 Nov 2017 13:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.0	25.6
125	15.5	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 2.355 ng m

RT: 15.12 min Scan# 2216

Delta R.T. -0.01 min

Lab File: BF100498.D

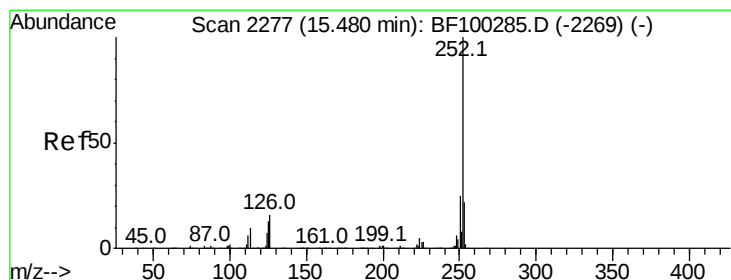
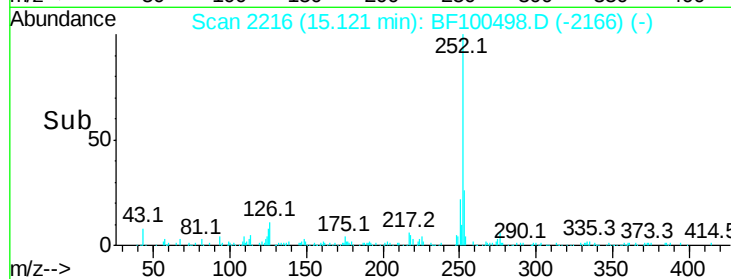
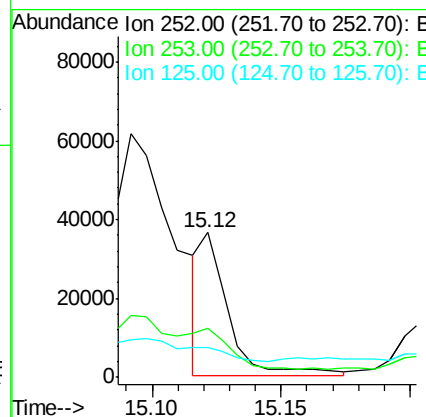
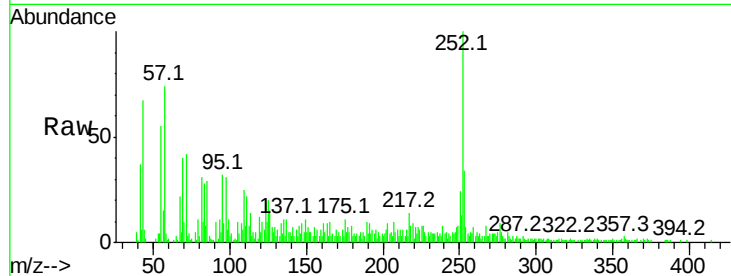
Acq: 13 Nov 2017 13:14

Instrument :
BNA_F
ClientSampleId :
TEC-RCA-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	33.8	17.9	26.9#
125	20.4	10.2	15.2#

Manual Integrations
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11/14/2017 5:20:12 PM



#89

Benzo(a)pyrene

Concen: 5.907 ng

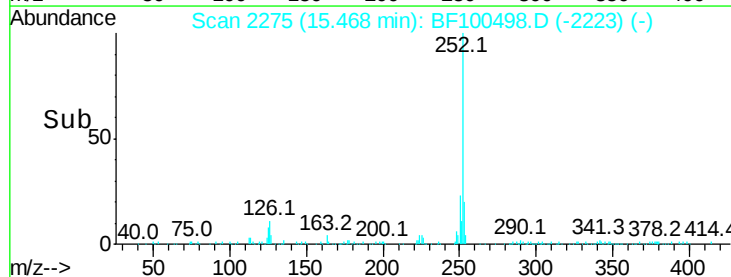
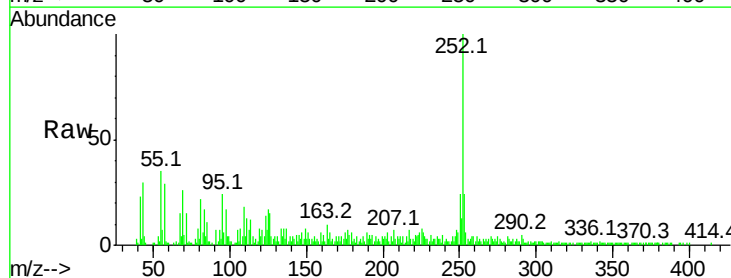
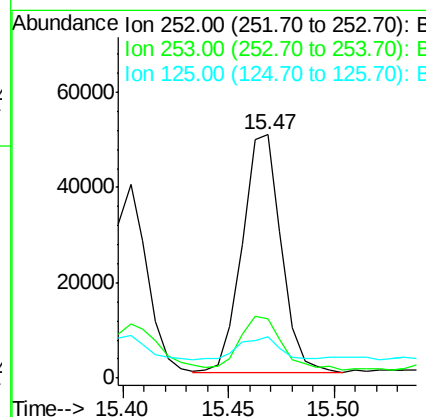
RT: 15.47 min Scan# 2275

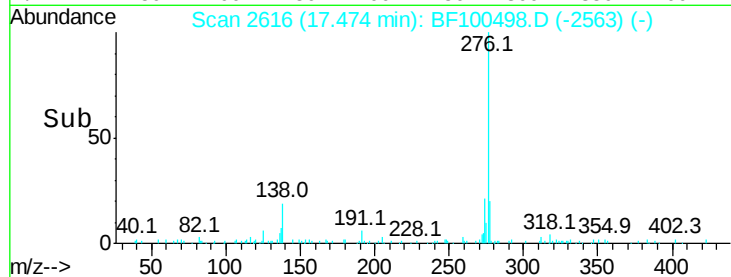
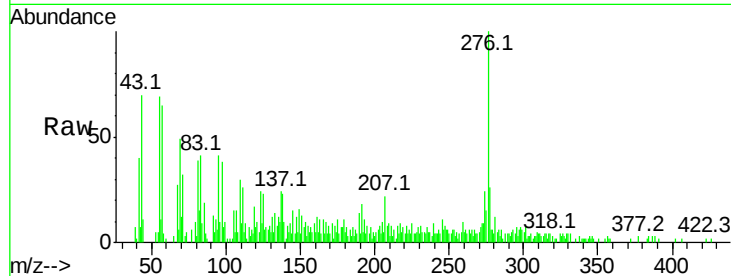
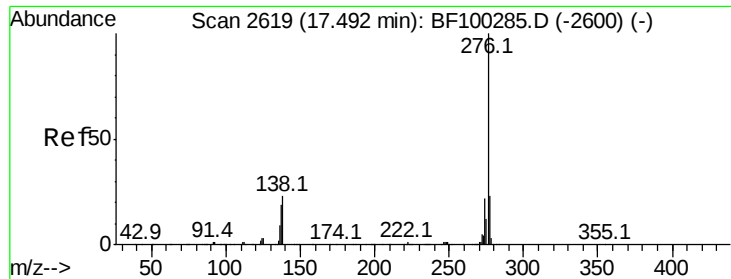
Delta R.T. 0.01 min

Lab File: BF100498.D

Acq: 13 Nov 2017 13:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	16.8	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 3.663 ng

RT: 17.47 min Scan# 2616

Delta R.T. 0.01 min

Lab File: BF100498.D

Acq: 13 Nov 2017 13:14

Tot Ion:	276	Resp:	31710
Ion Ratio	Lower	Upper	
276	100		
277	26.3	17.9	26.9
138	22.6	21.8	32.8

Instrument :

BNA_F

ClientSampleId :

TEC-RCA-SOIL

Manual Integrations
APPROVED

SOHIL
11/14/2017 5:20:12 PM

