

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
 Data File : BF110313.D
 Acq On : 30 Oct 2018 19:51
 Operator : JU/SJ
 Sample : J5724-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-UNDER-BUCKET

Manual Integrations
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Sohil
 10/31/2018 11:15:04 AM

Quant Time: Oct 31 05:26:18 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 17:29:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	110615	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	452639	20.00	ng	0.00
39) Acenaphthene-d10	10.01	164	201084	20.00	ng	0.00
64) Phenanthrene-d10	11.50	188	319692	20.00	ng	0.00
76) Chrysene-d12	14.16	240	214560	20.00	ng	0.00
87) Perylene-d12	15.69	264	175963	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	613437	90.31	ng	0.00
7) Phenol-d6	6.59	99	795941	91.61	ng	0.00
23) Nitrobenzene-d5	7.53	82	498623	65.34	ng	0.00
42) 2,4,6-Tribromophenol	10.80	330	158924	79.79	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	843175	65.84	ng	0.00
79) Terphenyl-d14	13.09	244	574927	55.73	ng	0.00
Target Compounds						
10) Phenol	6.60	94	61318	6.602	ng	Qvalue # 66
50) Dimethylphthalate	9.72	163	87829	5.917	ng	99
52) Acenaphthene	10.05	154	42859	3.363	ng	95
58) Fluorene	10.56	166	42497	3.200	ng	98
71) Phenanthrene	11.53	178	396944	23.730	ng	100
72) Anthracene	11.58	178	119088	7.103	ng	98
73) Carbazole	11.73	167	36289	2.217	ng	98
75) Fluoranthene	12.73	202	511473	30.128	ng	99
78) Pyrene	12.96	202	444567	28.902	ng	98
81) Benzo(a)anthracene	14.14	228	213439	16.775	ng	98
83) Chrysene	14.18	228	176738	14.624	ng	97
86) Indeno(1,2,3-cd)pyrene	17.26	276	68027	6.785	ng	97
88) Benzo(b)fluoranthene	15.23	252	219360m	21.588	ng	
89) Benzo(k)fluoranthene	15.26	252	58503m	5.856	ng	
90) Benzo(a)pyrene	15.62	252	143383	15.335	ng	99
91) Dibenzo(a,h)anthracene	17.26	278	17790m	2.205	ng	
92) Benzo(g,h,i)perylene	17.74	276	65090	8.187	ng	94

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

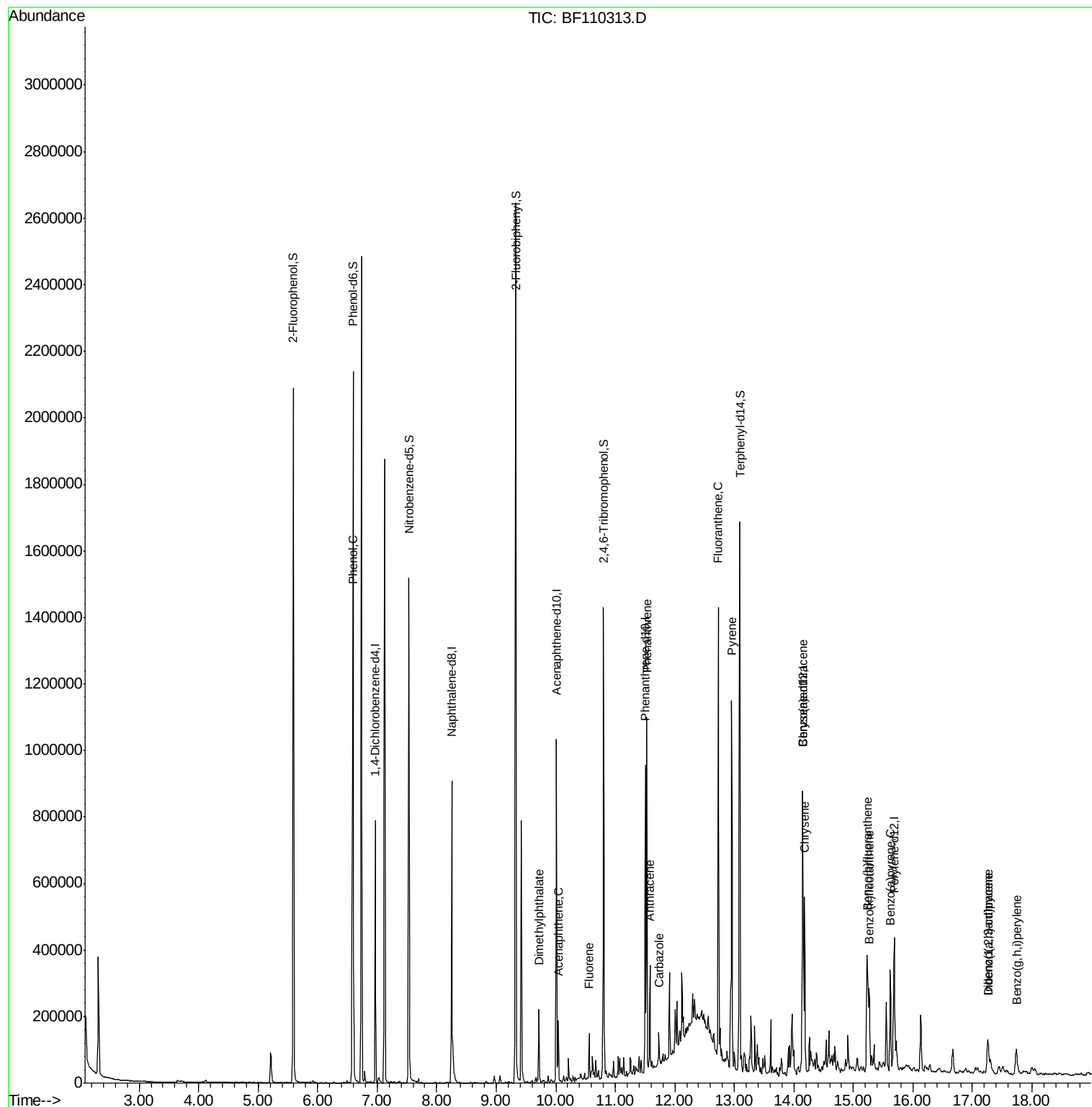
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110313.D
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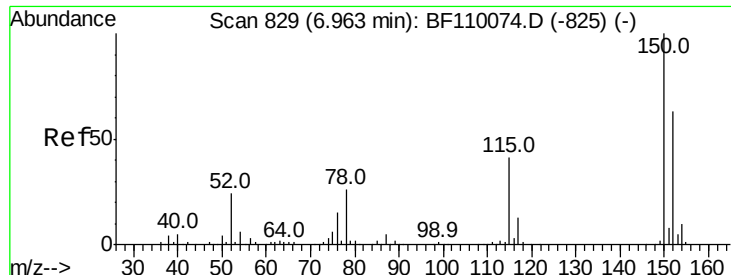
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

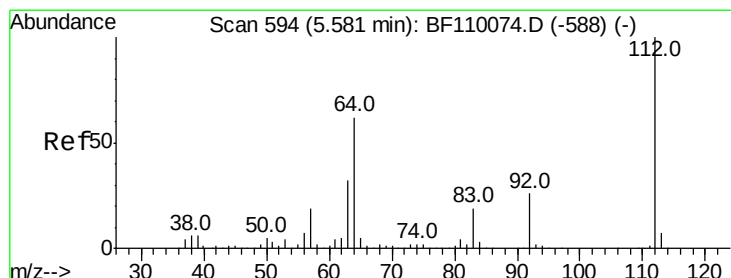
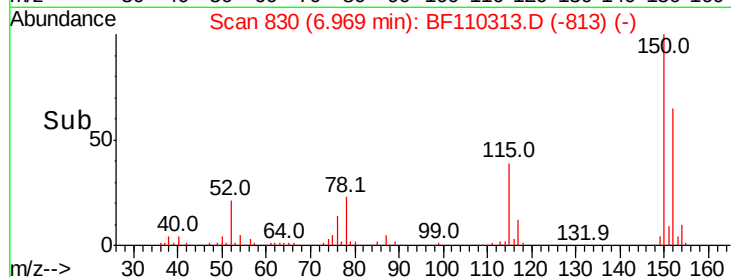
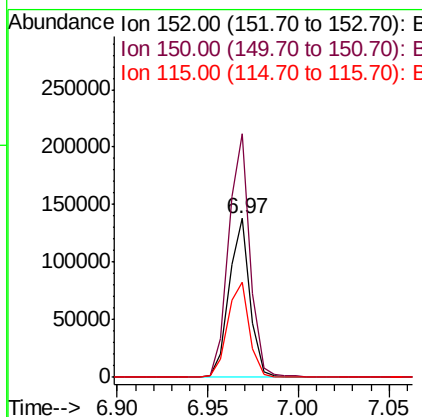
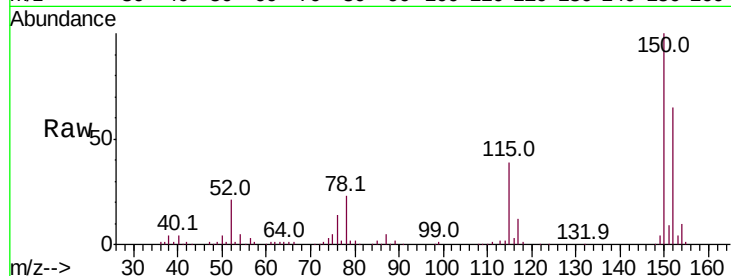
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 830
 Delta R.T. 0.00 min
 Lab File: BF110313.D
 Acq: 30 Oct 2018 19:51

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	122.7	184.1
115	60.0	49.1	73.7

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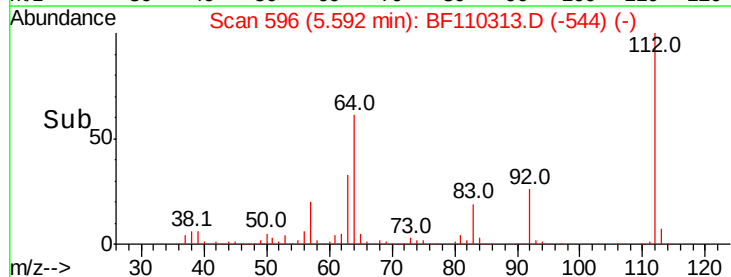
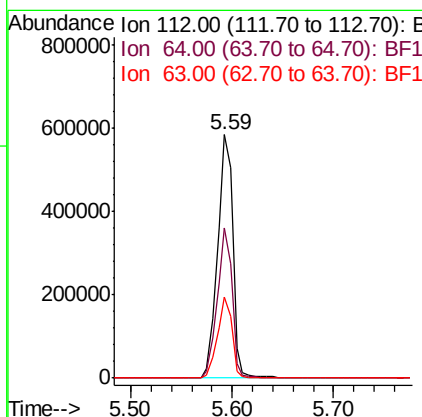
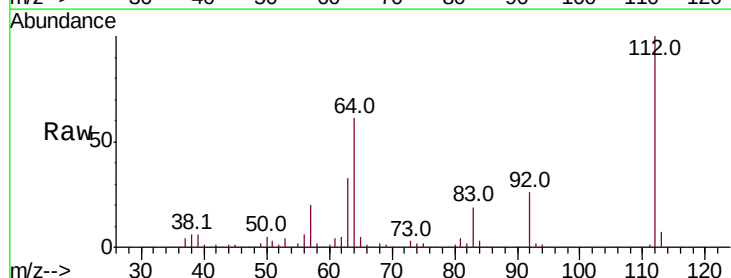
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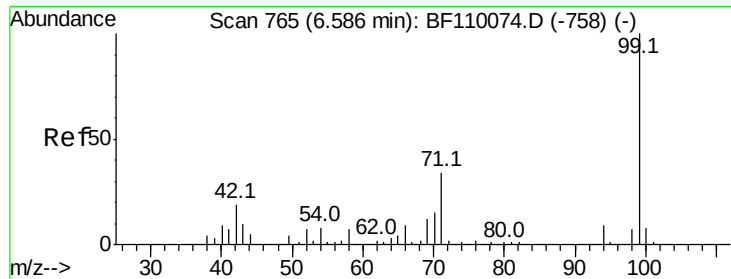


#5

2-Fluorophenol
 Concen: 90.309 ng
 RT: 5.59 min Scan# 596
 Delta R.T. 0.01 min
 Lab File: BF110313.D
 Acq: 30 Oct 2018 19:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.5	44.1	66.1
63	33.0	23.7	35.5





#7

Phenol-d6

Concen: 91.610 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF110313.D

Acq: 30 Oct 2018 19:51

Instrument :

BNA_F

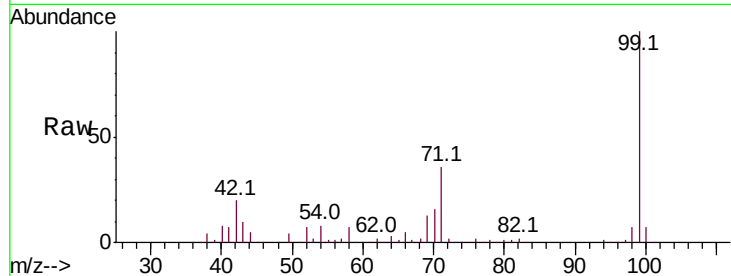
ClientSampleId :

SOIL-UNDER-BUCKET

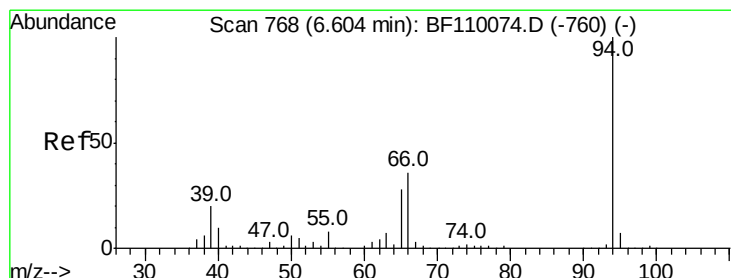
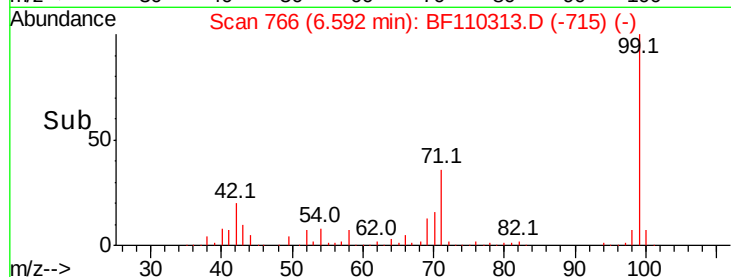
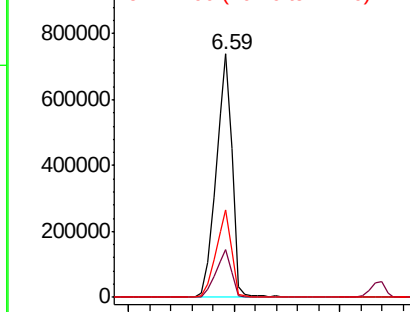
Tot Ion:	99	Resp:	795941
Ion Ratio	Lower	Upper	
99	100		
42	19.8	15.8	23.6
71	35.8	28.0	42.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 6.602 ng

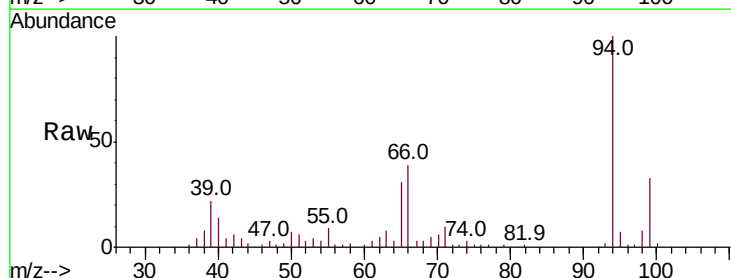
RT: 6.60 min Scan# 768

Delta R.T. 0.00 min

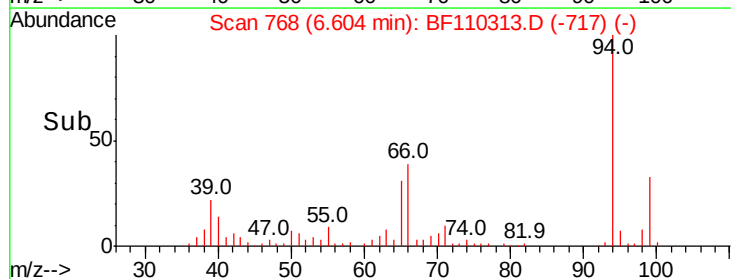
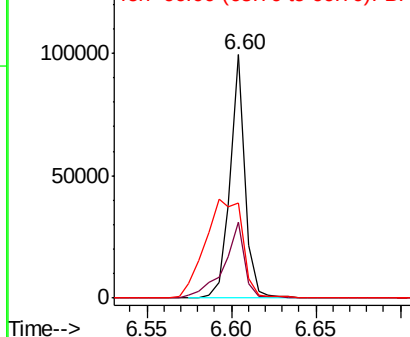
Lab File: BF110313.D

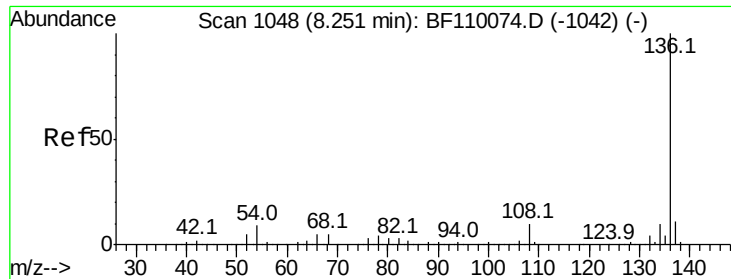
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Tgt Ion:	94	Resp:	61318
Ion Ratio	Lower	Upper	
94	100		
65	31.4	25.3	65.3
66	39.2	54.5	94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





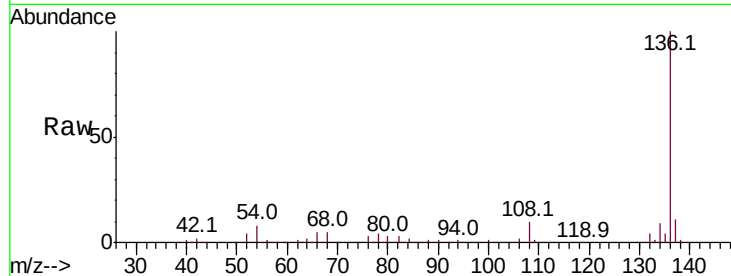
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF110313.D
Acq: 30 Oct 2018 19:51

Instrument :
BNA_F
ClientSampleId :
SOIL-UNDER-BUCKET

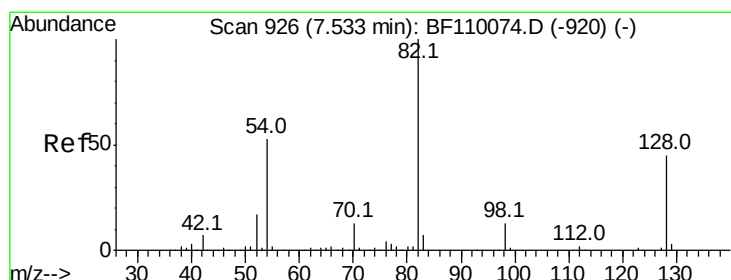
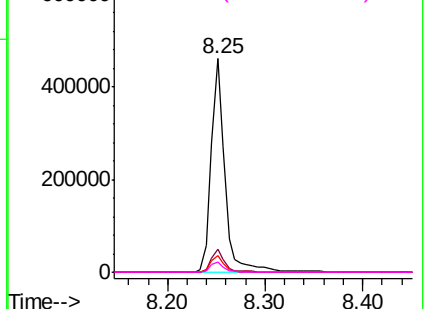
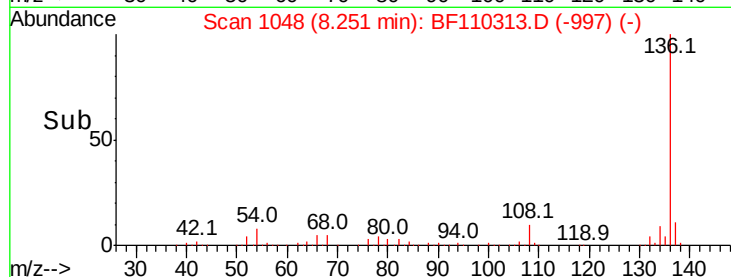
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.8	13.2	
54	7.6	5.4	8.2	
68	4.9	4.2	6.2	

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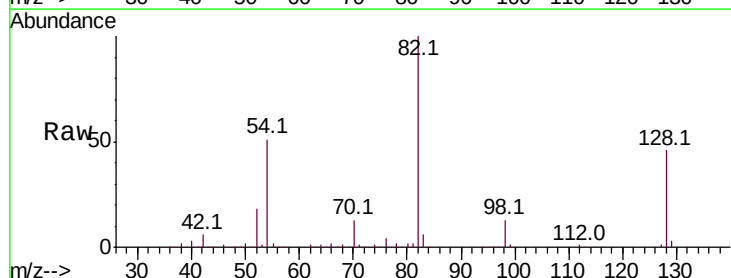


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

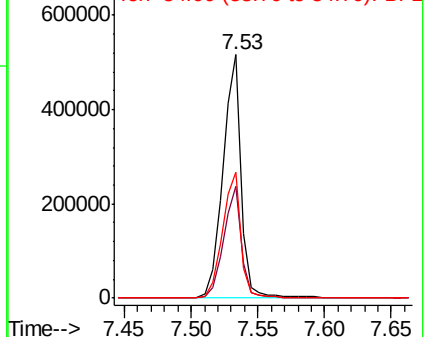
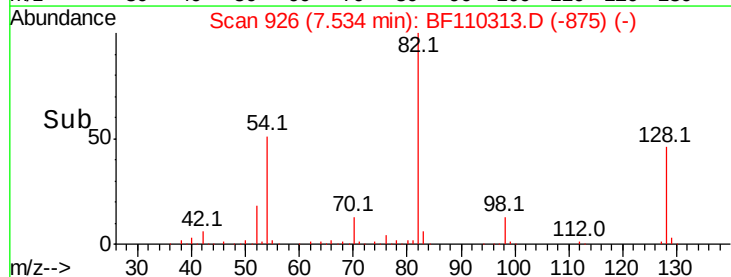


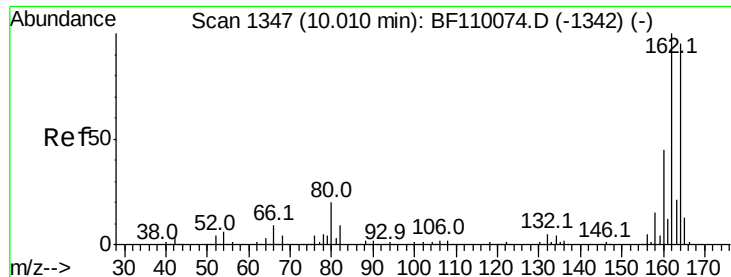
#23
Nitrobenzene-d5
Concen: 65.339 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.00 min
Lab File: BF110313.D
Acq: 30 Oct 2018 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.7	34.2	51.2	
54	51.5	38.6	58.0	



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





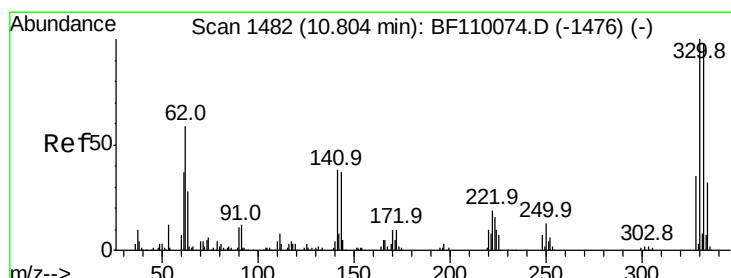
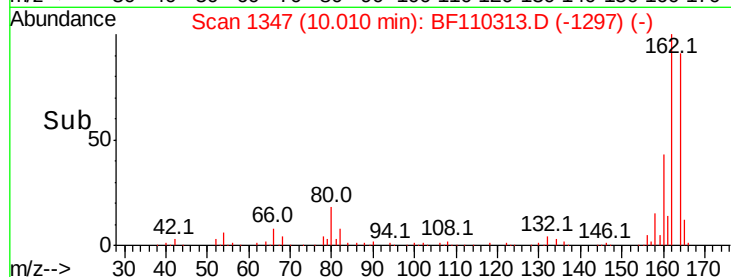
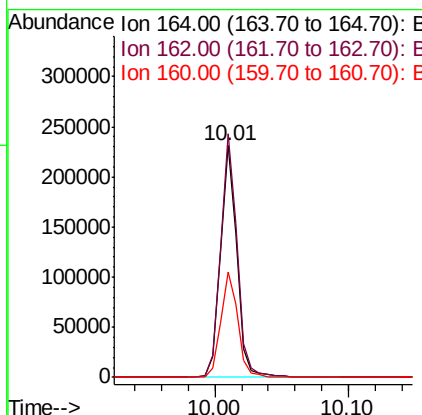
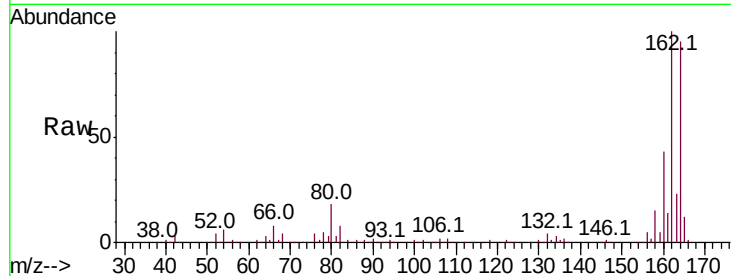
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF110313.D
Acq: 30 Oct 2018 19:51

Instrument :
BNA_F
ClientSampleId :
SOIL-UNDER-BUCKET

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.0	83.0	124.6
160	45.3	37.0	55.6

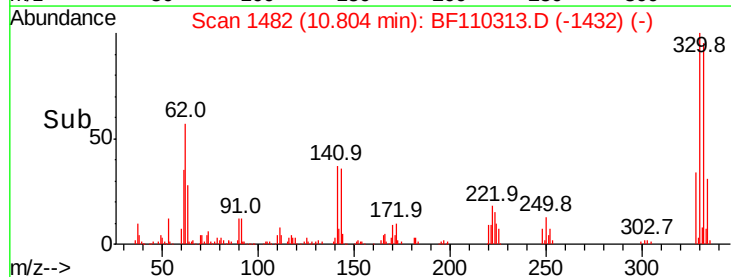
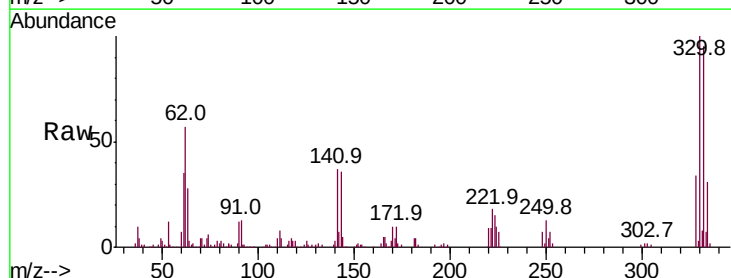
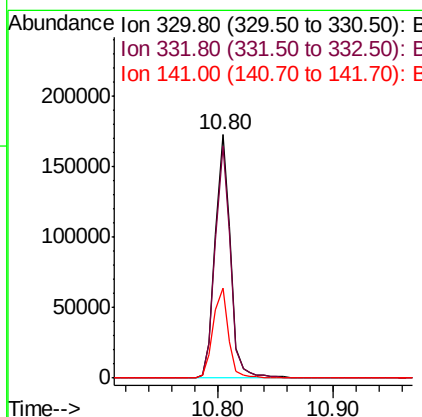
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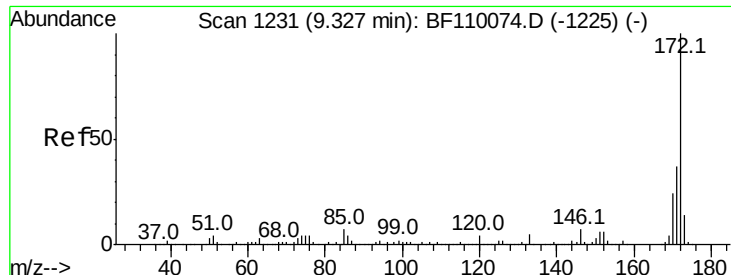
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#42
2,4,6-Tribromophenol
Concen: 79.786 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF110313.D
Acq: 30 Oct 2018 19:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.1	115.7
141	37.9	27.0	40.4





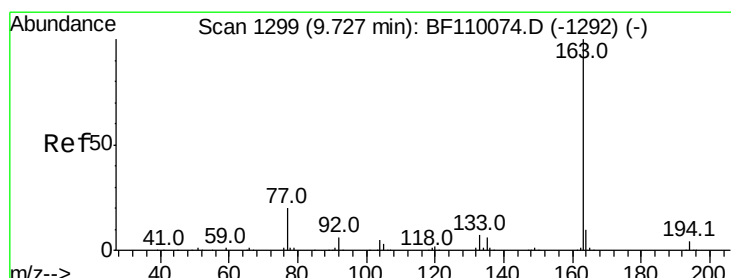
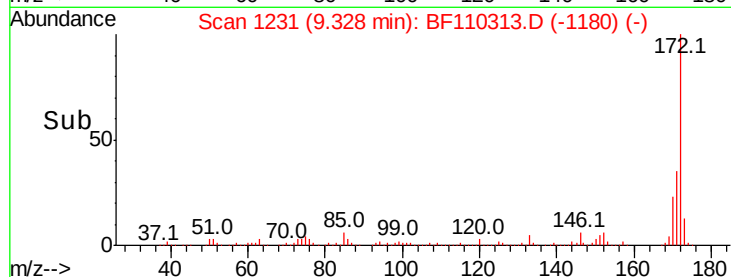
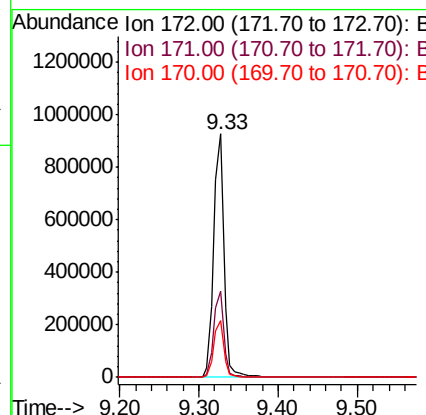
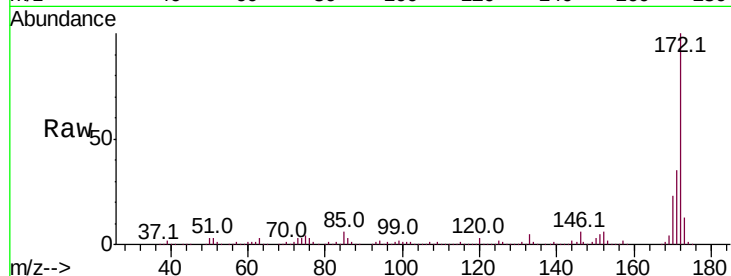
#45
 2-Fluorobiphenyl
 Concen: 65.843 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF110313.D
 Acq: 30 Oct 2018 19:51

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-UNDER-BUCKET

Tot Ion	Ratio	Resp	Lower	Upper
172	100	843175		
171	35.3		28.6	43.0
170	23.2		19.7	29.5

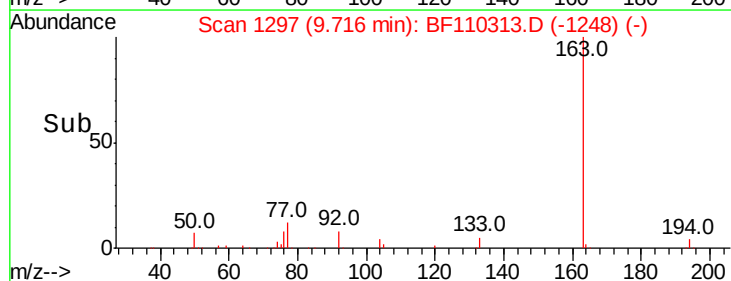
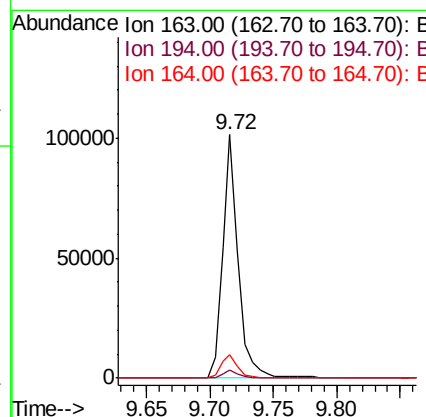
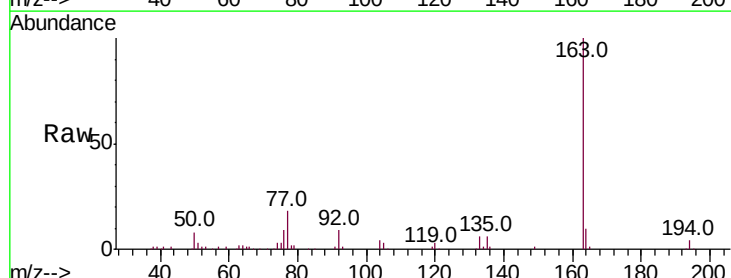
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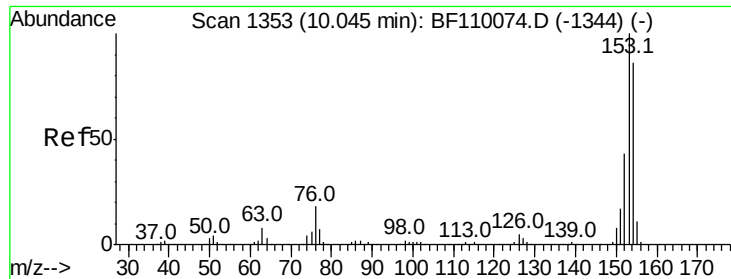
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#50
 Dimethylphthalate
 Concen: 5.917 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: BF110313.D
 Acq: 30 Oct 2018 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	87829		
194	3.5		3.2	4.8
164	9.9		8.1	12.1





#52

Acenaphthene

Concen: 3.363 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF110313.D

Acq: 30 Oct 2018 19:51

Instrument :

BNA_F

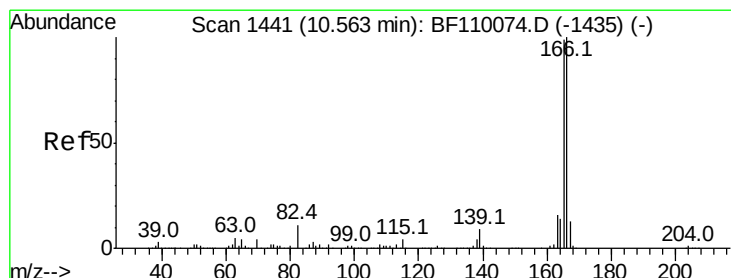
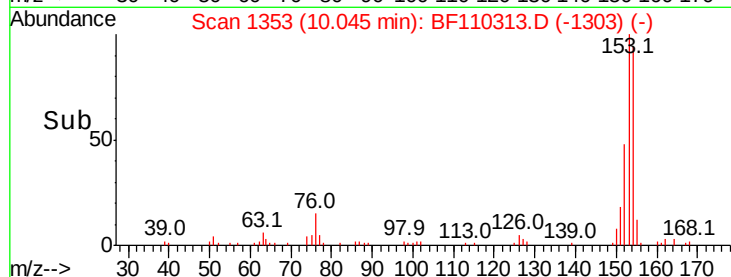
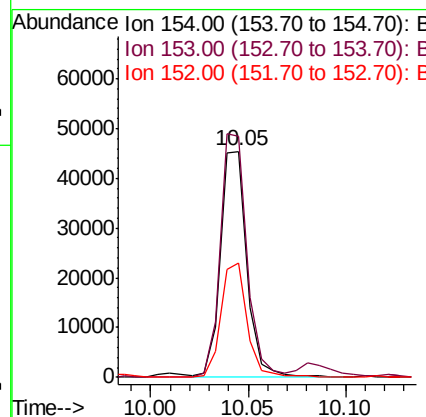
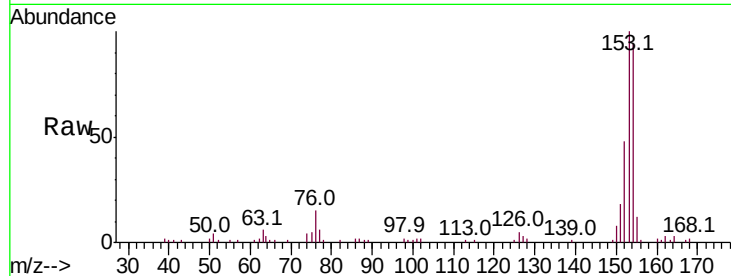
ClientSampleId :

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Tot Ion:	154	Resp:	42859
Ion	Ratio	Lower	Upper
154	100		
153	106.7	90.1	135.1
152	50.8	43.4	65.2

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#58

Fluorene

Concen: 3.200 ng

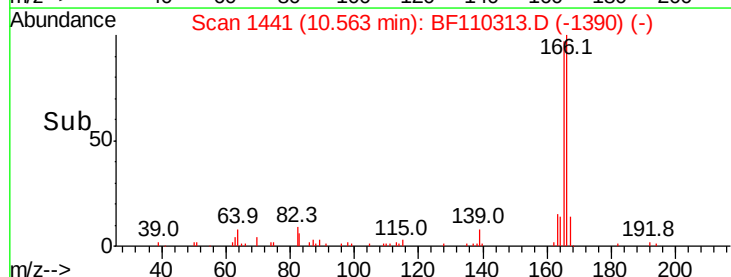
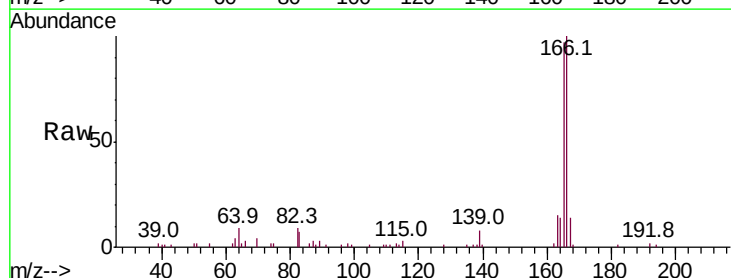
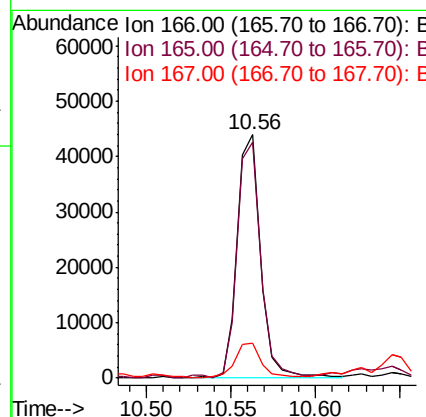
RT: 10.56 min Scan# 1441

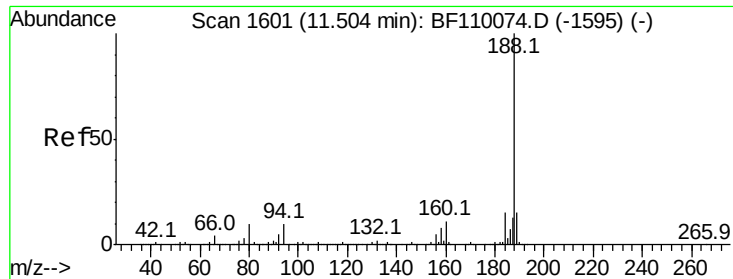
Delta R.T. 0.00 min

Lab File: BF110313.D

Acq: 30 Oct 2018 19:51

Tgt Ion:	166	Resp:	42497
Ion	Ratio	Lower	Upper
166	100		
165	96.7	78.6	117.8
167	14.2	10.8	16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF110313.D

Acq: 30 Oct 2018 19:51

Instrument :

BNA_F

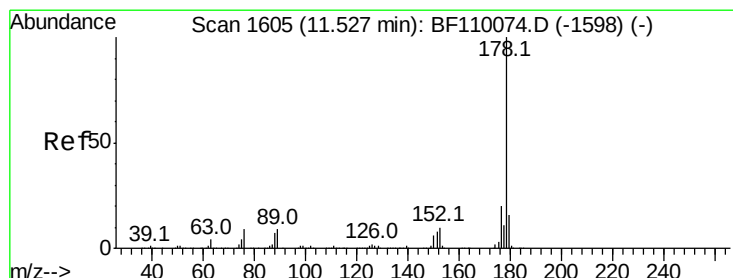
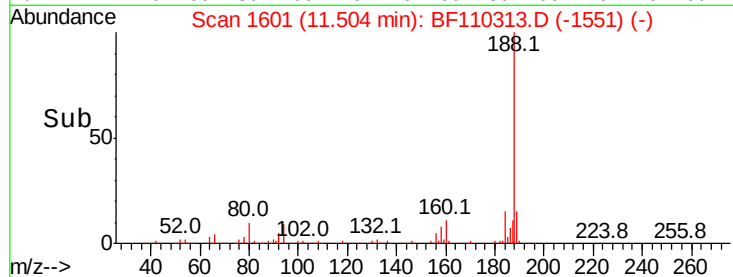
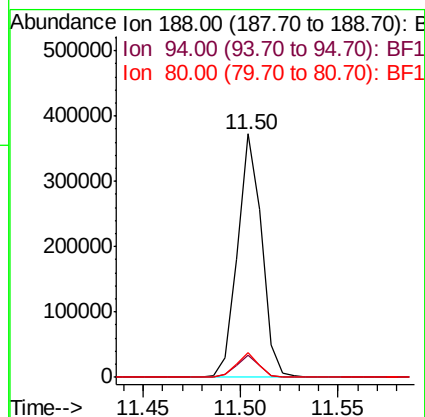
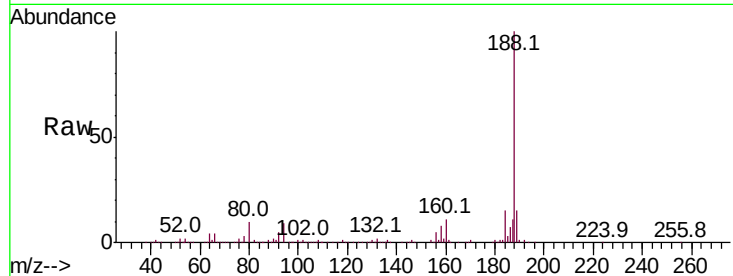
ClientSampleId :

SOIL-UNDER-BUCKET

Tot Ion:	188	Resp:	319692
Ion Ratio	Lower	Upper	
188	100		
94	9.2	7.2	10.8
80	9.9	7.9	11.9

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#71

Phenanthrene

Concen: 23.730 ng

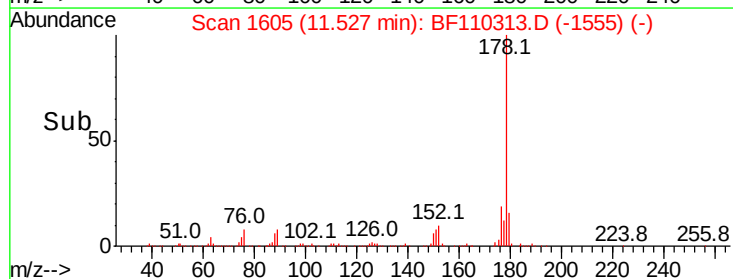
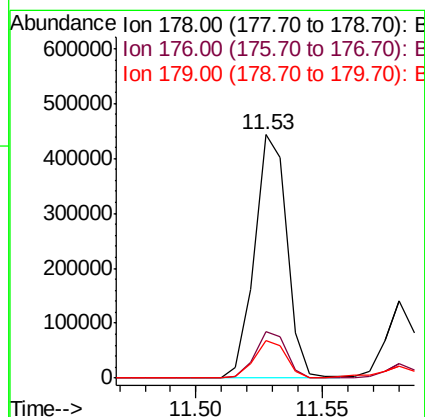
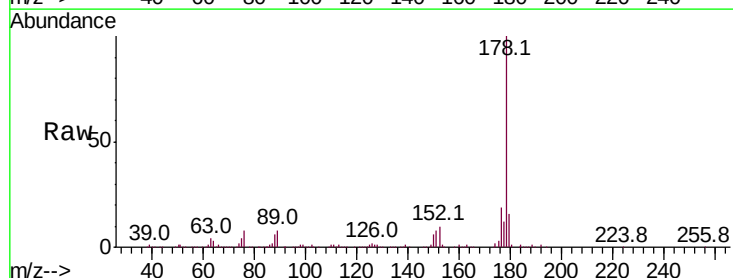
RT: 11.53 min Scan# 1605

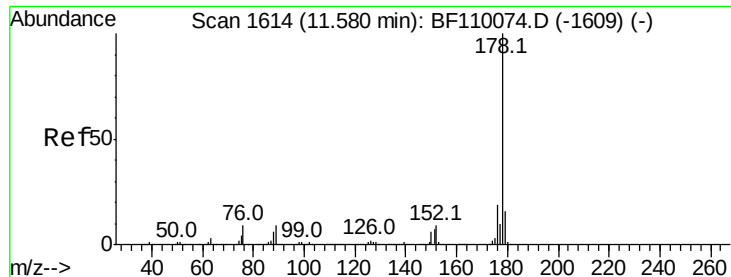
Delta R.T. -0.01 min

Lab File: BF110313.D

Acq: 30 Oct 2018 19:51

Tgt Ion:	178	Resp:	396944
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.5	23.3
179	15.6	12.5	18.7





#72

Anthracene

Concen: 7.103 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF110313.D

Acq: 30 Oct 2018 19:51

Instrument :

BNA_F

ClientSampleId :

SOIL-UNDER-BUCKET

Tot Ion:178 Resp: 119088

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

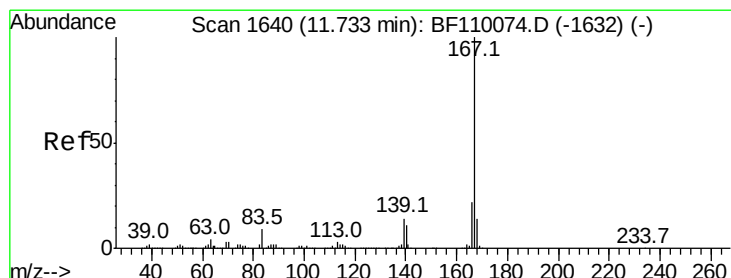
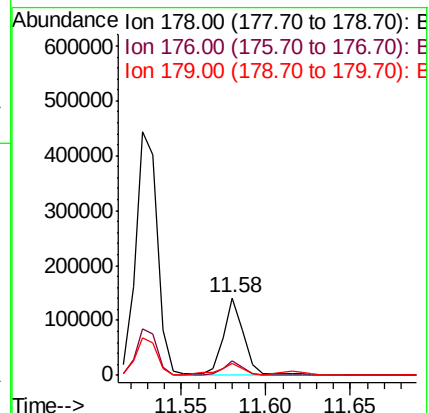
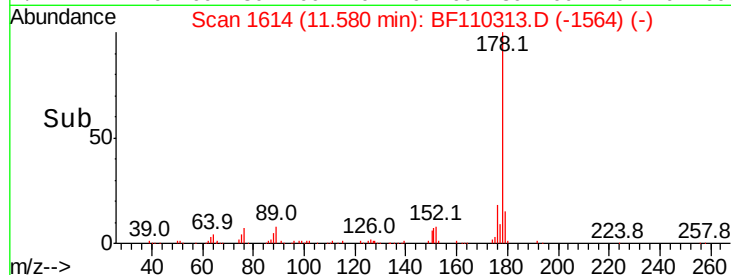
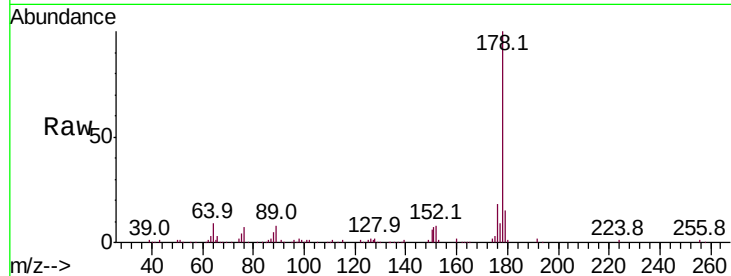
179 14.9 12.6 18.8

Manual Integrations

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#73

Carbazole

Concen: 2.217 ng

RT: 11.73 min Scan# 1640

Delta R.T. -0.01 min

Lab File: BF110313.D

Acq: 30 Oct 2018 19:51

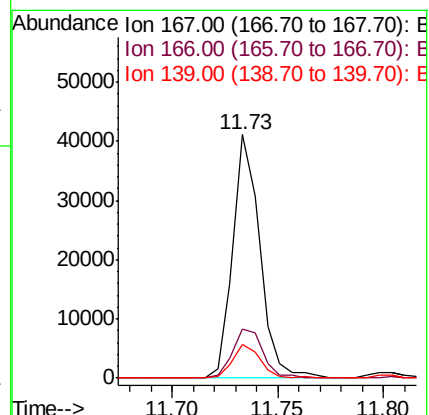
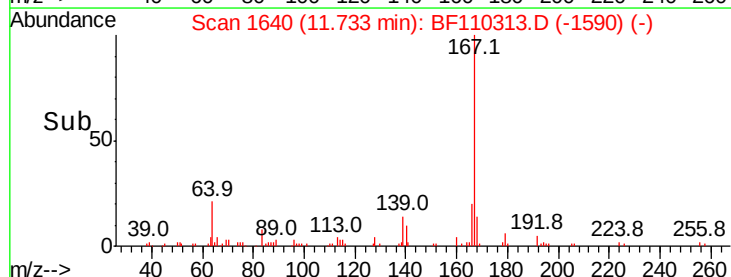
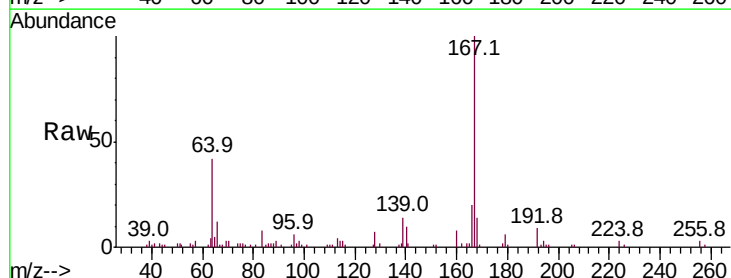
Tgt Ion:167 Resp: 36289

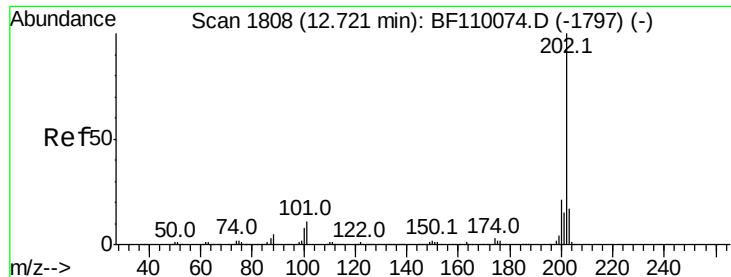
Ion Ratio Lower Upper

167 100

166 20.3 17.4 26.0

139 13.8 10.9 16.3





#75

Fluoranthene

Concen: 30.128 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.01 min

Lab File: BF110313.D

Acq: 30 Oct 2018 19:51

Instrument :

BNA_F

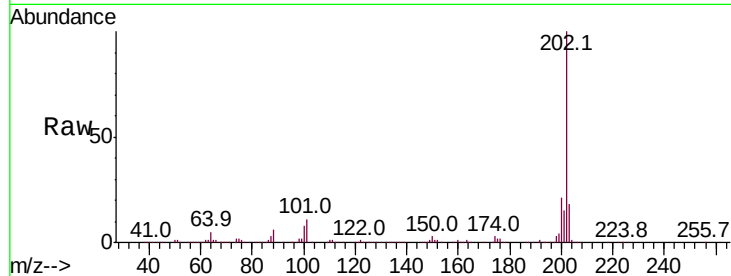
ClientSampleId :

SOIL-UNDER-BUCKET

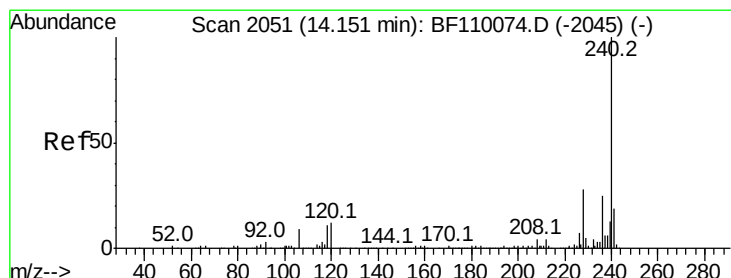
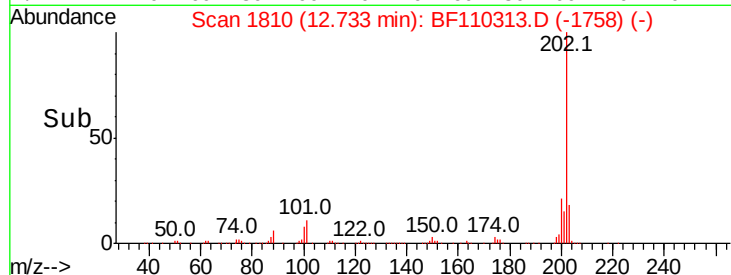
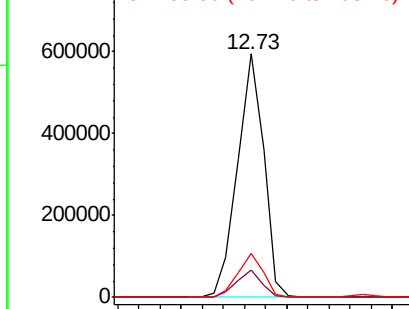
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.0	0.0	31.4
203	17.8	0.0	37.7

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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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

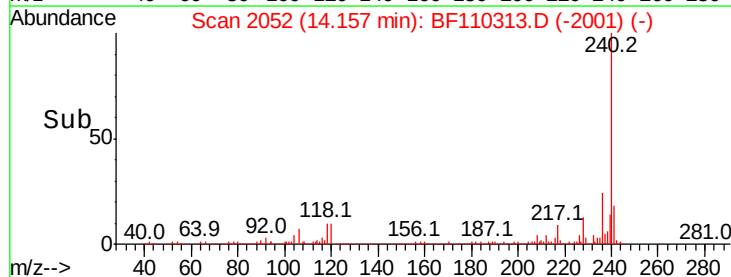
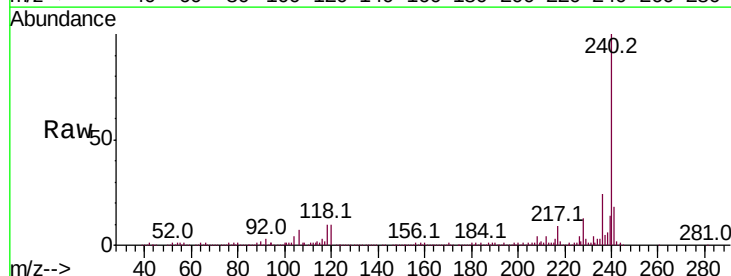
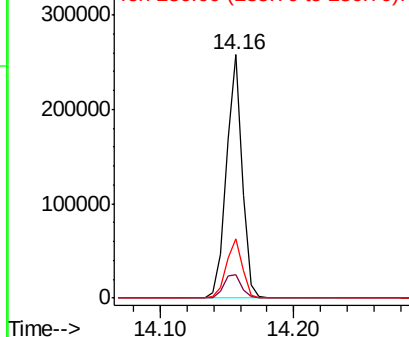
Delta R.T. 0.00 min

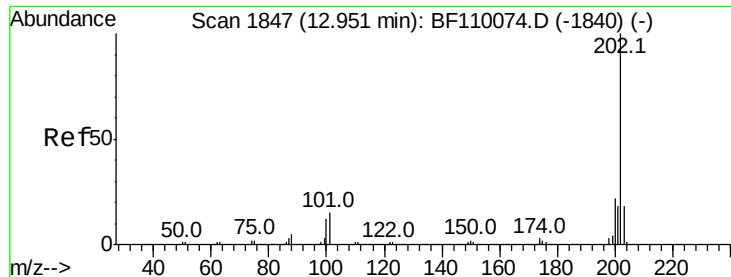
Lab File: BF110313.D

Acq: 30 Oct 2018 19:51

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.9	8.3	12.5
236	24.4	21.2	31.8

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 28.902 ng

RT: 12.96 min Scan# 1848

Delta R.T. 0.00 min

Lab File: BF110313.D

Acq: 30 Oct 2018 19:51

Instrument :

BNA_F

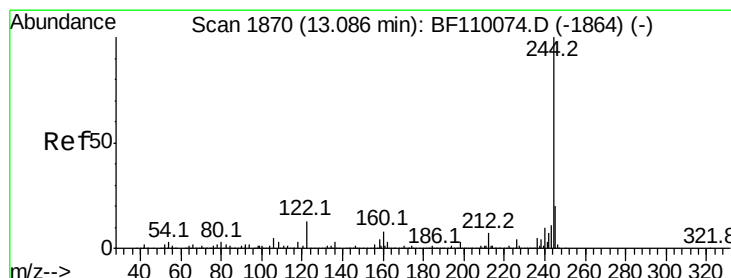
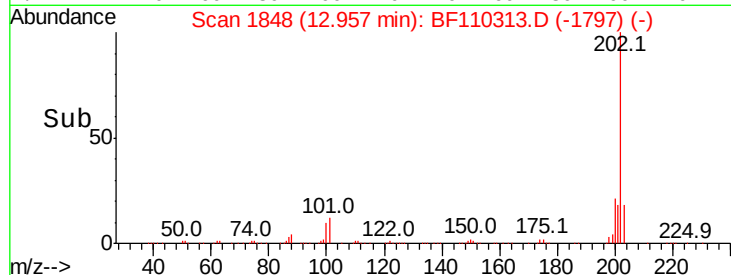
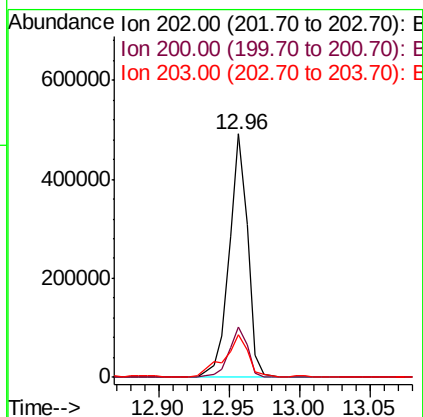
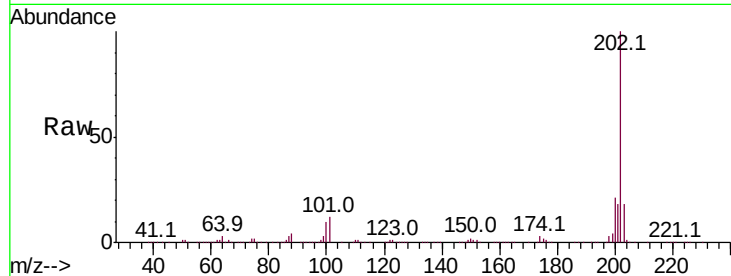
ClientSampleId :

SOIL-UNDER-BUCKET

Tot Ion:	202	Resp:	444567
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.8	26.6
203	17.8	14.2	21.4

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#79

Terphenyl-d14

Concen: 55.727 ng

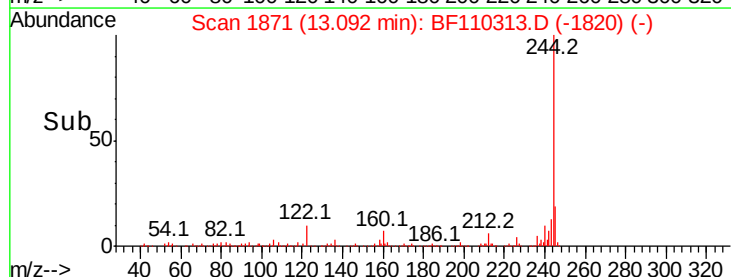
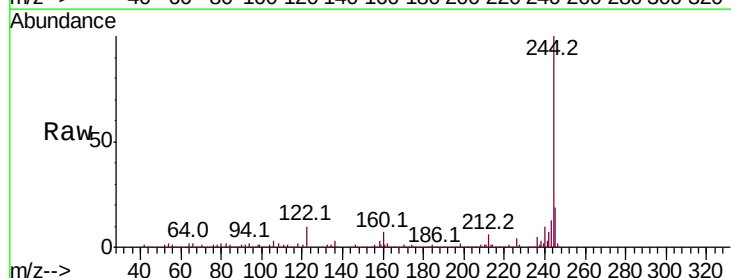
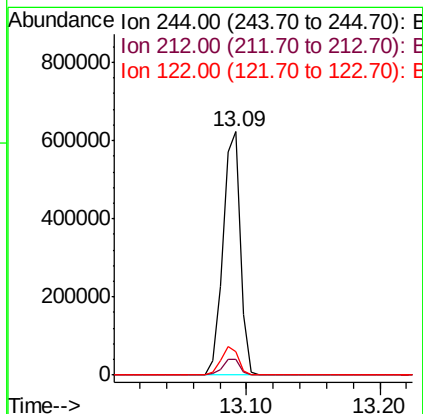
RT: 13.09 min Scan# 1871

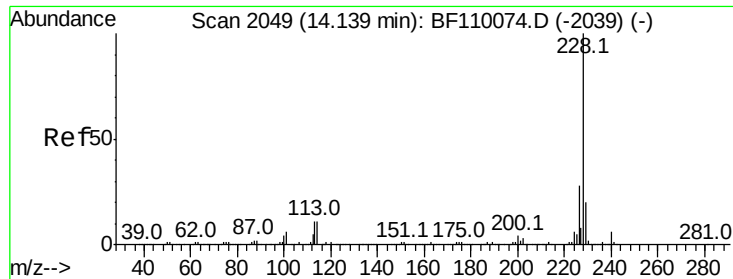
Delta R.T. 0.00 min

Lab File: BF110313.D

Acq: 30 Oct 2018 19:51

Tgt Ion:	244	Resp:	574927
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.8	8.8
122	9.8	8.7	13.1





#81

Benzo(a)anthracene

Concen: 16.775 ng

RT: 14.14 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BF110313.D

Acq: 30 Oct 2018 19:51

Instrument :

BNA_F

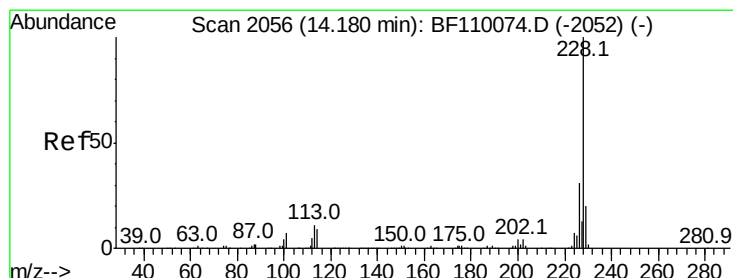
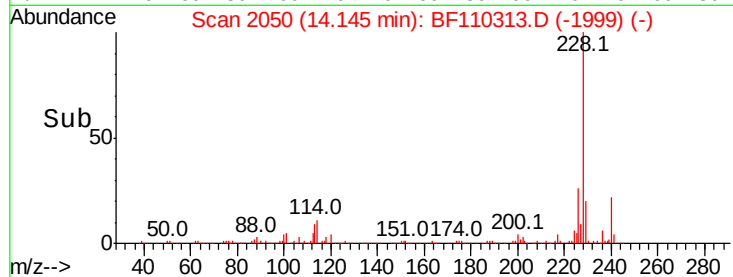
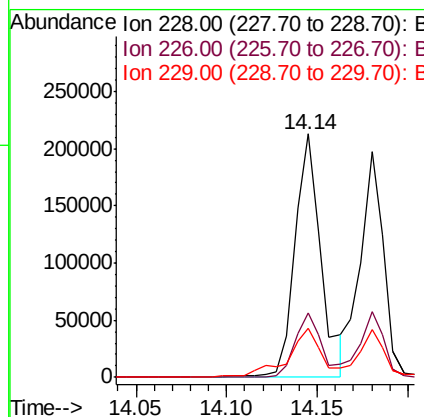
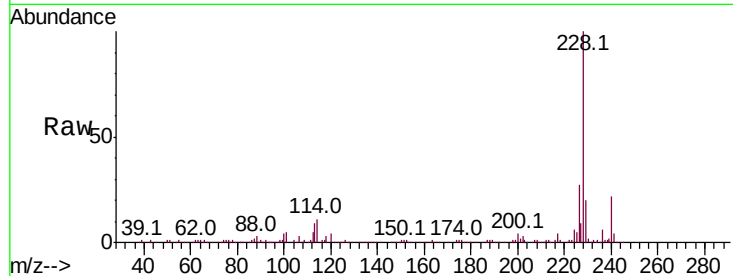
ClientSampleId :

SOIL-UNDER-BUCKET

Tot Ion:	228	Resp:	213439
Ion Ratio	Lower	Upper	
228	100		
226	26.6	22.1	33.1
229	20.1	15.6	23.4

Manual Integrations
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#83

Chrysene

Concen: 14.624 ng

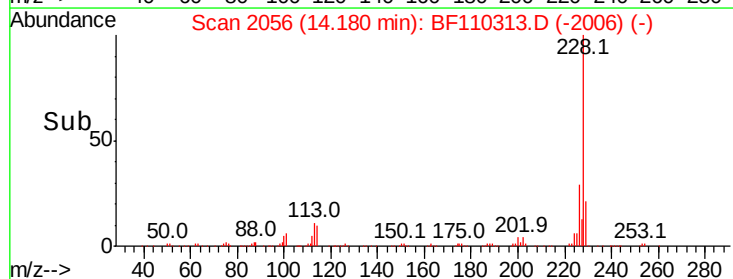
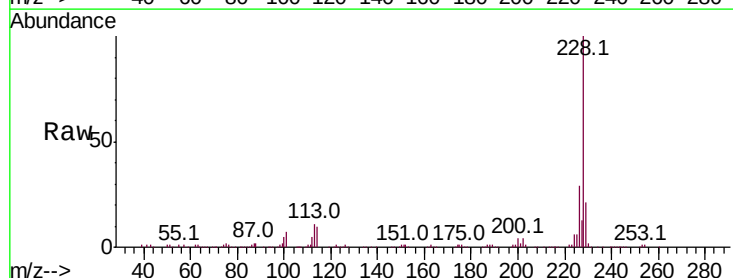
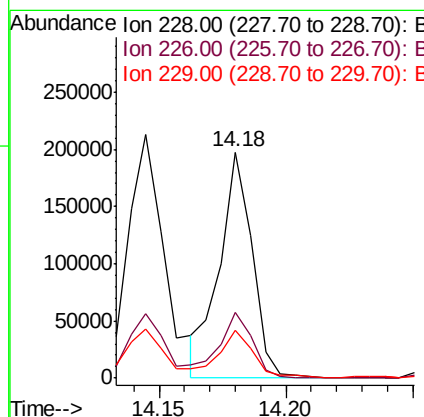
RT: 14.18 min Scan# 2056

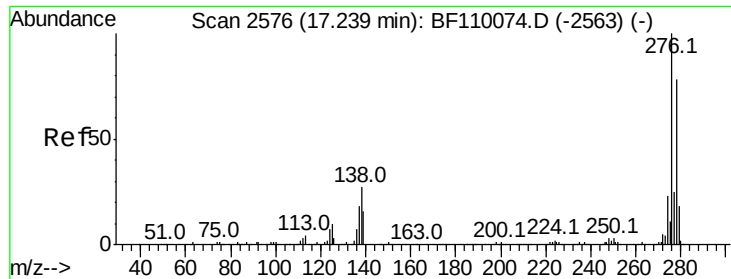
Delta R.T. -0.01 min

Lab File: BF110313.D

Acq: 30 Oct 2018 19:51

Tgt Ion:	228	Resp:	176738
Ion Ratio	Lower	Upper	
228	100		
226	29.3	24.7	37.1
229	21.3	15.9	23.9





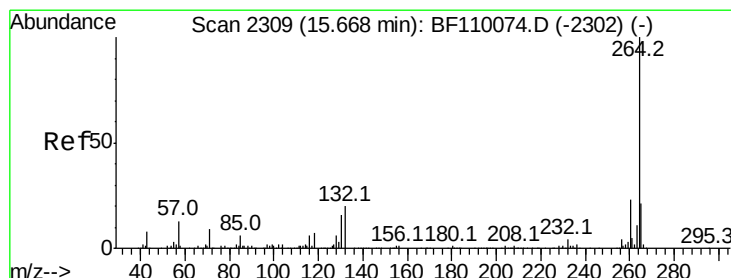
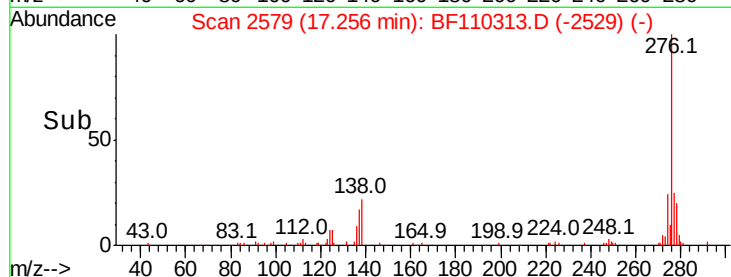
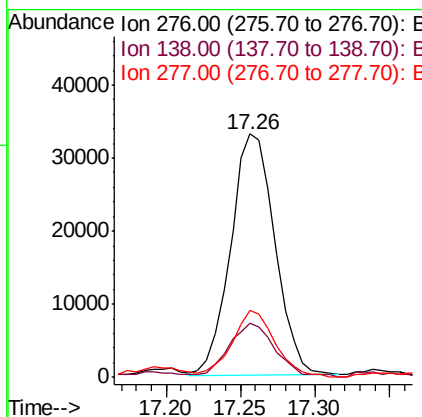
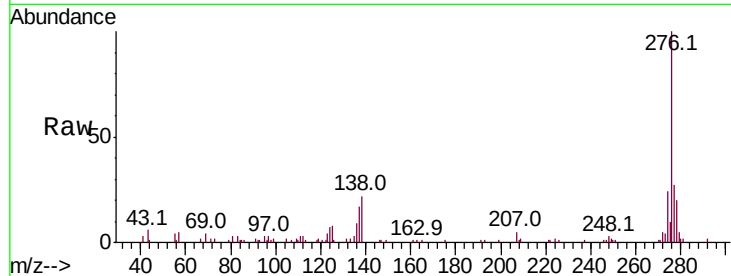
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.785 ng
RT: 17.26 min Scan# 2579
Delta R.T. -0.01 min
Lab File: BF110313.D
Acq: 30 Oct 2018 19:51

Instrument :
BNA_F
ClientSampleId :
SOIL-UNDER-BUCKET

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.8	18.5	27.7
277	26.9	20.0	30.0

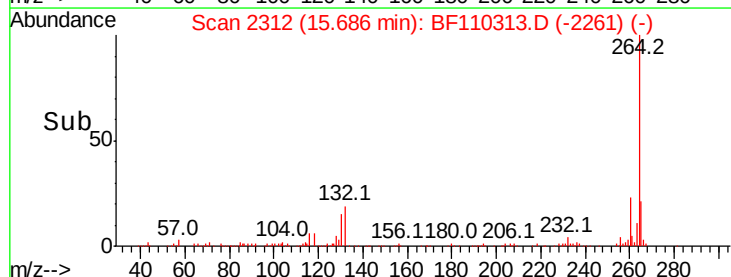
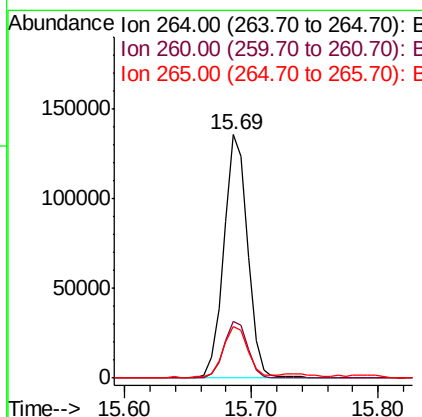
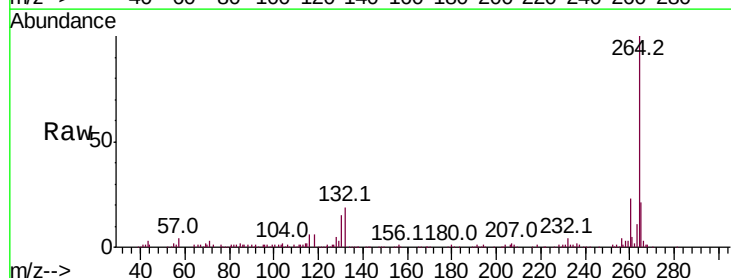
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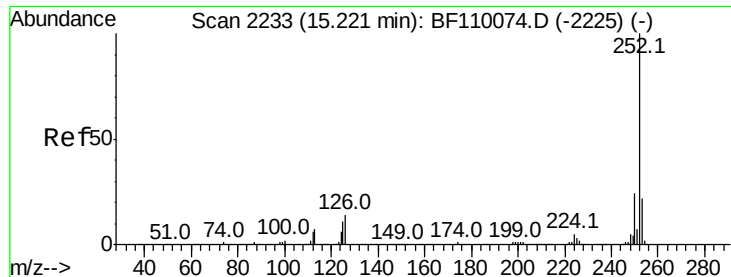
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2312
Delta R.T. 0.00 min
Lab File: BF110313.D
Acq: 30 Oct 2018 19:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.4	16.7	25.1





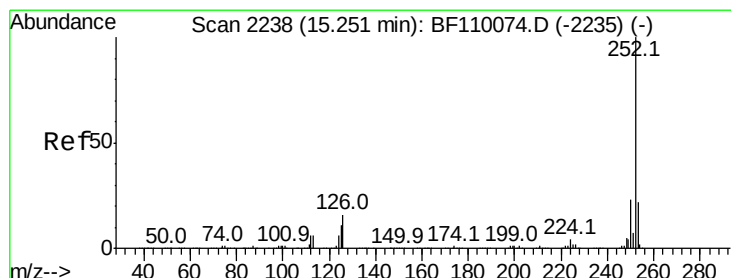
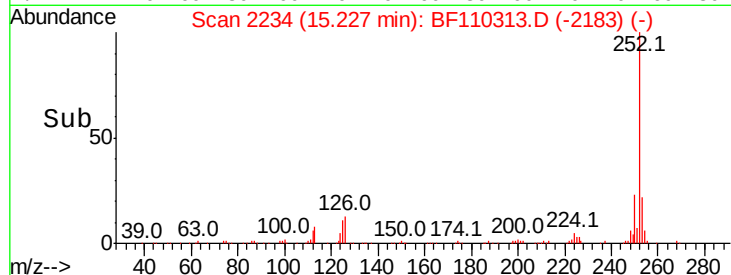
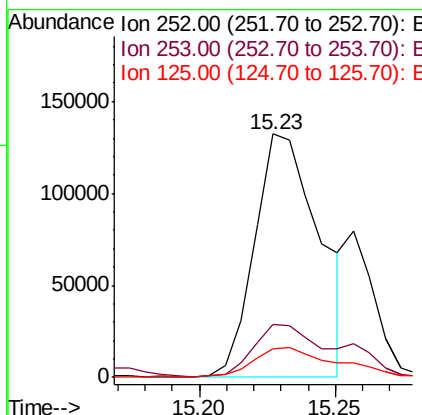
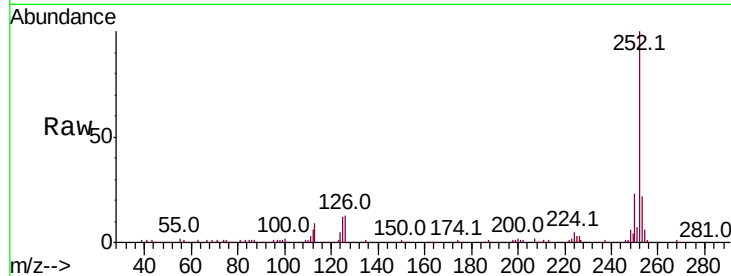
#88
Benzo(b)fluoranthene
Concen: 21.588 ng m
RT: 15.23 min Scan# 2234
Delta R.T. 0.00 min
Lab File: BF110313.D
Acq: 30 Oct 2018 19:51

Instrument :
BNA_F
ClientSampleId :
SOIL-UNDER-BUCKET

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.2	25.8
125	11.9	8.2	12.4

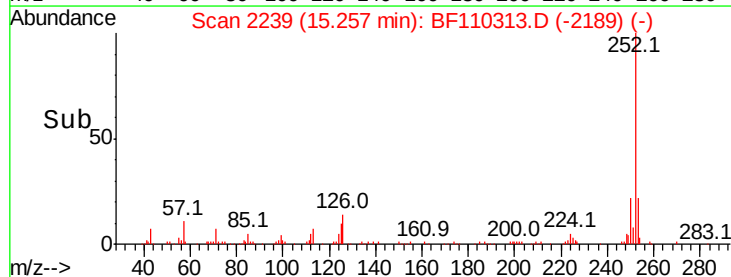
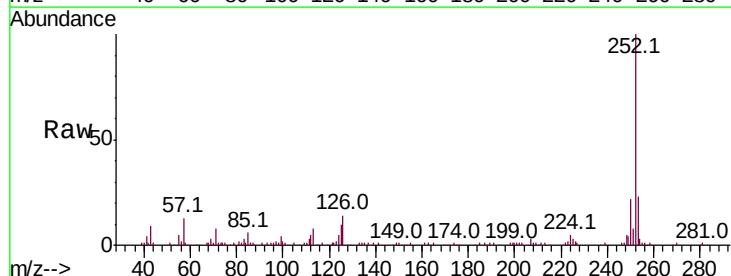
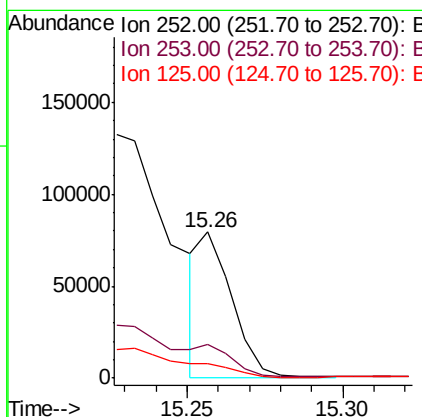
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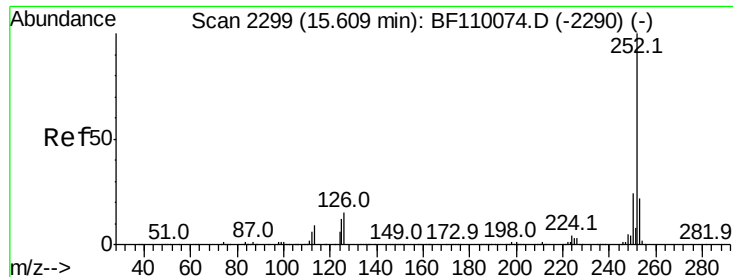
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#89
Benzo(k)fluoranthene
Concen: 5.856 ng m
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF110313.D
Acq: 30 Oct 2018 19:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	10.4	7.4	11.0





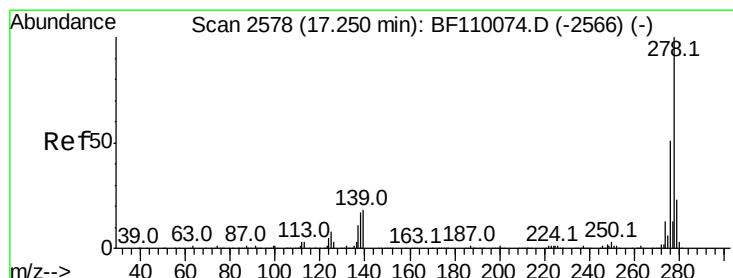
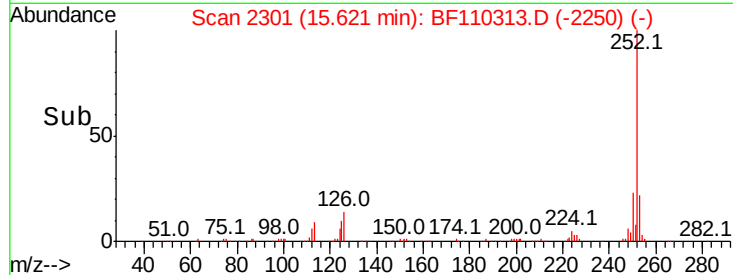
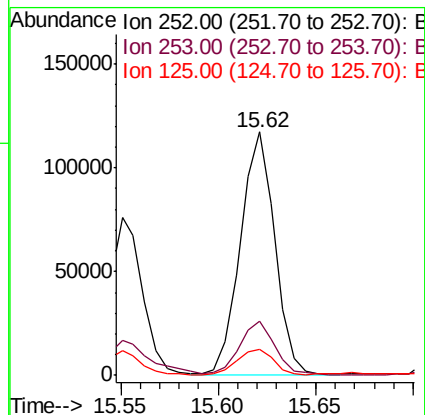
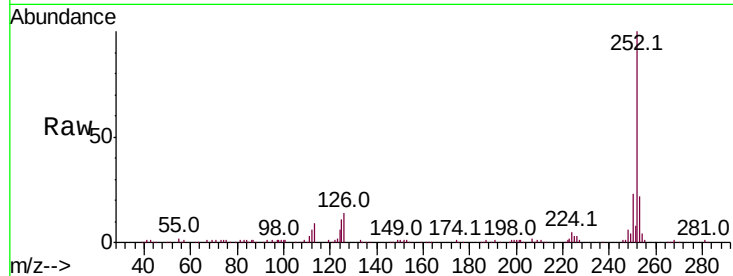
#90
Benzo(a)pyrene
Concen: 15.335 ng
RT: 15.62 min Scan# 2301
Delta R.T. 0.00 min
Lab File: BF110313.D
Acq: 30 Oct 2018 19:51

Instrument :
BNA_F
ClientSampleId :
SOIL-UNDER-BUCKET

Tot Ion:	252	Resp:	143383
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.2	27.4
125	10.8	9.0	13.6

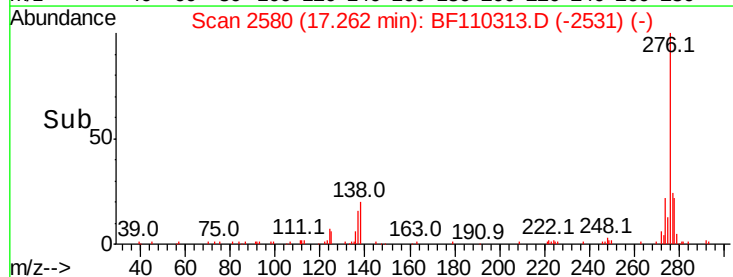
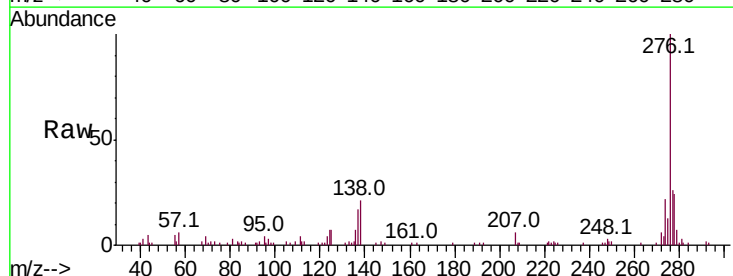
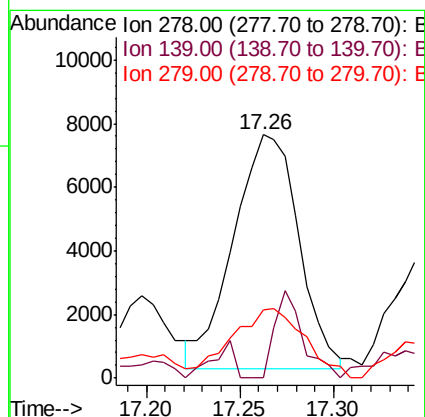
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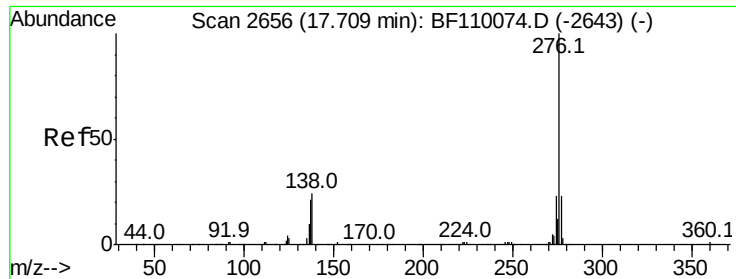
Sohil
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#91
Dibenzo(a,h)anthracene
Concen: 2.205 ng m
RT: 17.26 min Scan# 2580
Delta R.T. -0.01 min
Lab File: BF110313.D
Acq: 30 Oct 2018 19:51

Tgt Ion:	278	Resp:	17790
Ion Ratio	Lower	Upper	
278	100		
139	0.0	12.7	19.1#
279	27.9	19.0	28.4





#92
 Benzo(a,h,i)perylene
 Concen: 8.187 ng
 RT: 17.74 min Scan# 2661
 Delta R.T. 0.00 min
 Lab File: BF110313.D
 Acq: 30 Oct 2018 19:51

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-UNDER-BUCKET

Tot Ion:	276	Resp:	65090
Ion Ratio	Lower	Upper	
276	100		
277	25.7	18.8	28.2
138	23.1	16.0	24.0

Manual Integrations
 APPROVED

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