

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
 Data File : BF110306.D
 Acq On : 30 Oct 2018 16:41
 Operator : JU/SJ
 Sample : J5724-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DARK-SOIL(IN-BUCKET)

Manual Integrations
 APPROVED

Sohil
 10/31/2018 11:15:01 AM

Quant Time: Oct 31 05:05:39 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	107808	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	446287	20.00	ng	0.00
39) Acenaphthene-d10	10.01	164	195357	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	308917	20.00	ng	0.00
76) Chrysene-d12	14.16	240	216402	20.00	ng	0.00
87) Perylene-d12	15.69	264	179177	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	411958	62.23	ng	0.00
7) Phenol-d6	6.59	99	524858	61.98	ng	0.00
23) Nitrobenzene-d5	7.53	82	326360	43.37	ng	0.00
42) 2,4,6-Tribromophenol	10.80	330	102397	52.91	ng	0.00
45) 2-Fluorobiphenyl	9.32	172	503320	40.46	ng	0.00
79) Terphenyl-d14	13.09	244	338938	32.57	ng	0.00
Target Compounds						
10) Phenol	6.60	94	47367	5.233	ng	Qvalue # 70
20) 3+4-Methylphenols	7.36	107	40537	5.156	ng	# 78
50) Dimethylphthalate	9.72	163	56150	3.894	ng	98
71) Phenanthrene	11.53	178	88763	5.491	ng	97
75) Fluoranthene	12.74	202	130072	7.929	ng	98
78) Pyrene	12.96	202	113646	7.325	ng	98
81) Benzo(a)anthracene	14.14	228	54942	4.281	ng	99
83) Chrysene	14.18	228	50010	4.103	ng	97
86) Indeno(1,2,3-cd)pyrene	17.26	276	21114	2.088	ng	99
88) Benzo(b)fluoranthene	15.23	252	55348m	5.349	ng	
89) Benzo(k)fluoranthene	15.26	252	22430m	2.205	ng	
90) Benzo(a)pyrene	15.62	252	39967	4.198	ng	# 96
92) Benzo(a,h,i)perylene	17.74	276	18824	2.325	ng	100

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

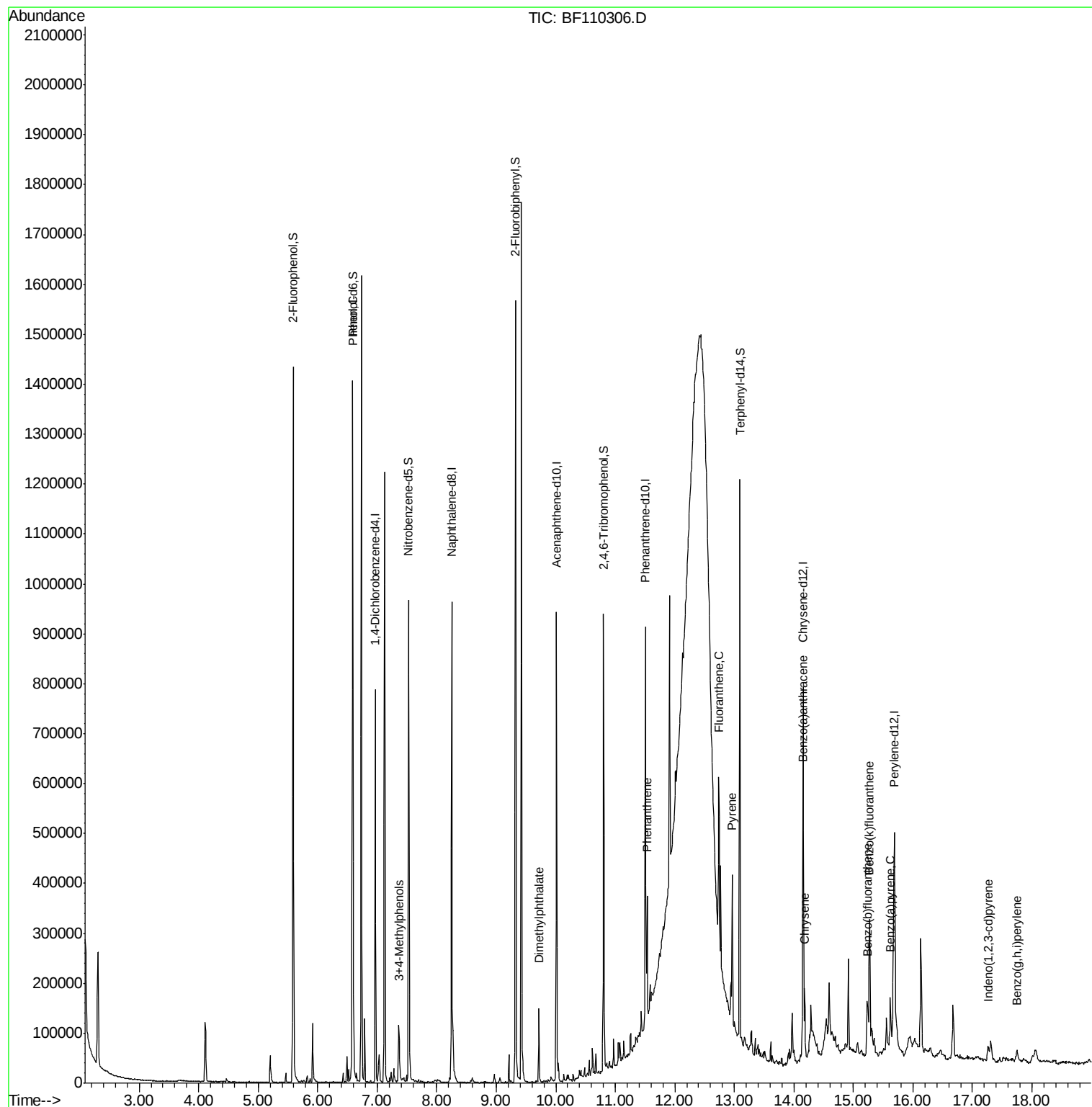
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110306.D
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Operator : JU/SJ
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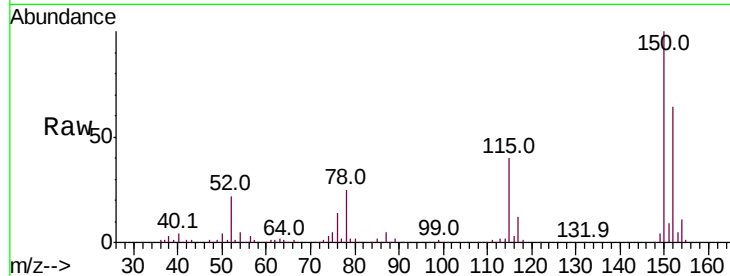
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.00 min
 Lab File: BF110306.D
 Acq: 30 Oct 2018 16:41

Instrument :
 BNA_F
 ClientSampleId :
 DARK-SOIL(IN-BUCKET)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	122.7	184.1
115	62.7	49.1	73.7

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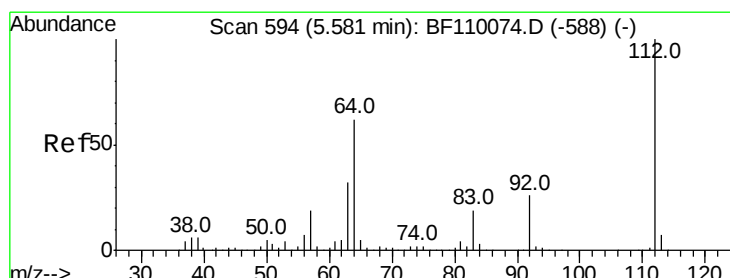
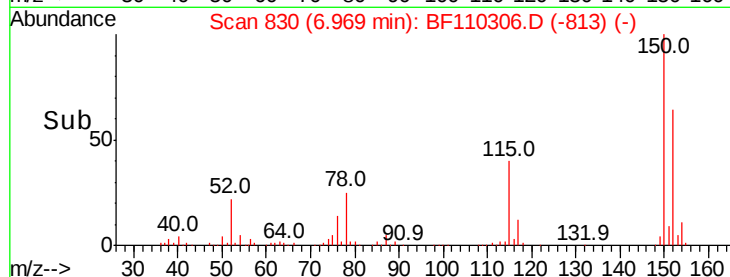
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

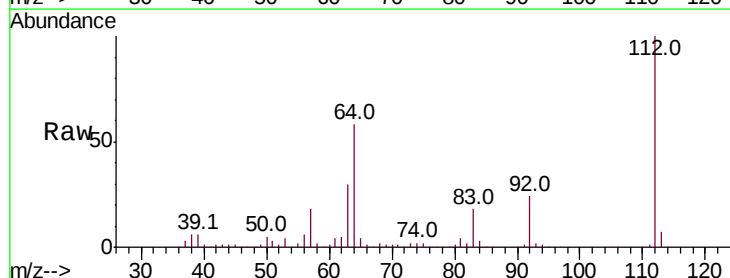
Ion 115.00 (114.70 to 115.70): E

Time-->



#5
 2-Fluorophenol
 Concen: 62.227 ng
 RT: 5.59 min Scan# 596
 Delta R.T. 0.01 min
 Lab File: BF110306.D
 Acq: 30 Oct 2018 16:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	44.1	66.1
63	29.8	23.7	35.5



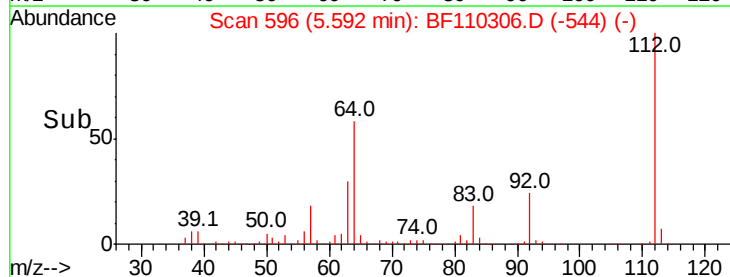
Abundance

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

Time-->





#7

Phenol-d6

Concen: 61.983 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF110306.D

Acq: 30 Oct 2018 16:41

Instrument :

BNA_F

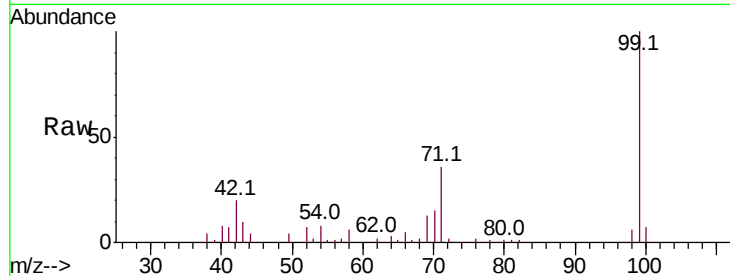
ClientSampleId :

DARK-SOIL(IN-BUCKET)

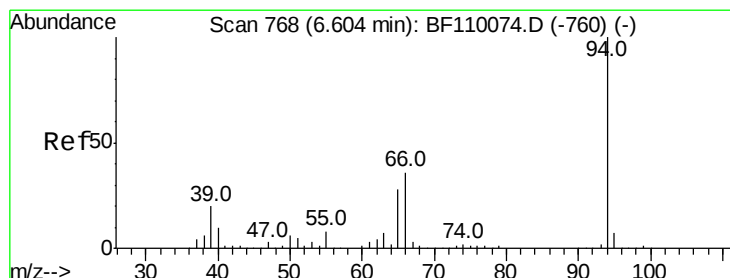
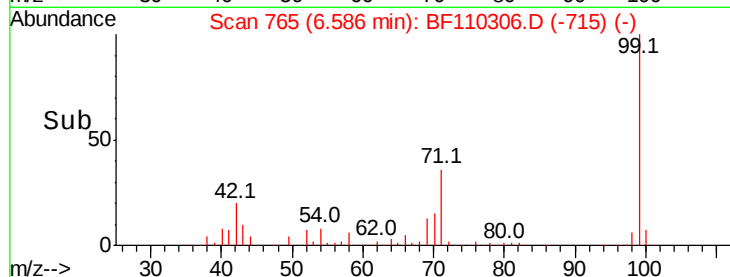
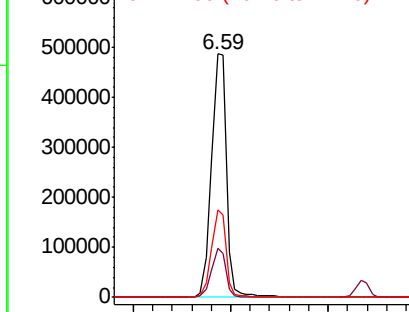
Tot Ion:	99	Resp:	524858
Ion Ratio	Lower	Upper	
99	100		
42	20.0	15.8	23.6
71	35.9	28.0	42.0

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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: 5.233 ng

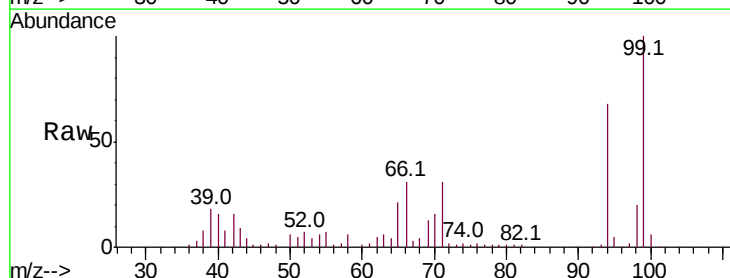
RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

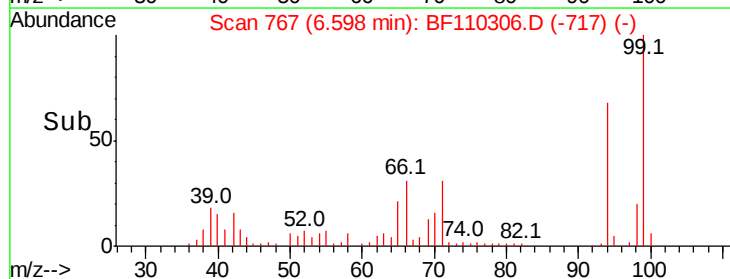
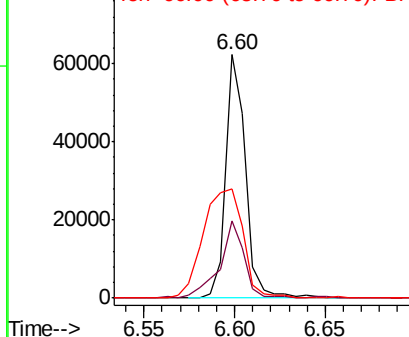
Lab File: BF110306.D

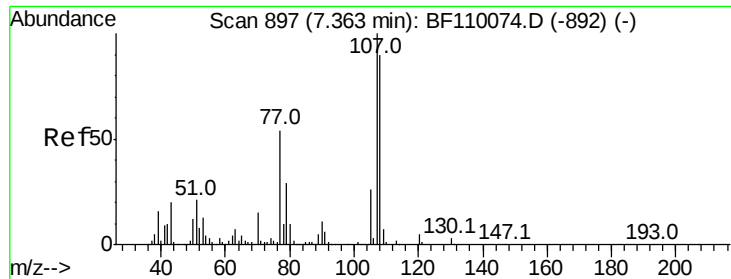
Acq: 30 Oct 2018 16:41

Tgt Ion:	94	Resp:	47367
Ion Ratio	Lower	Upper	
94	100		
65	31.5	25.3	65.3
66	44.8	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





#20

3+4-Methylphenols

Concen: 5.156 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF110306.D

Acq: 30 Oct 2018 16:41

Instrument :

BNA_F

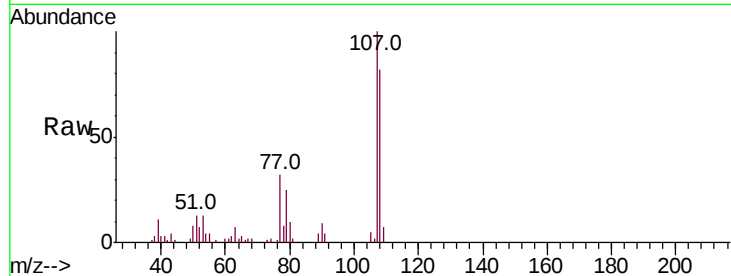
ClientSampleId :

DARK-SOIL(IN-BUCKET)

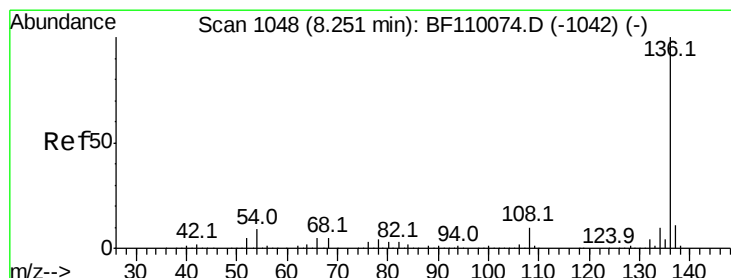
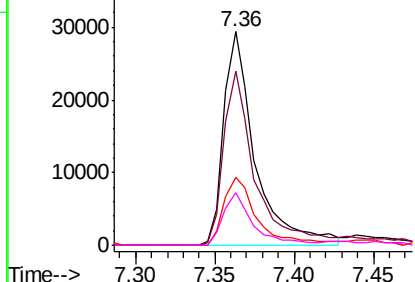
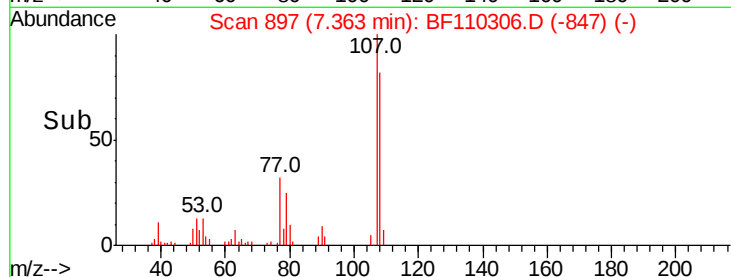
Tot Ion:	107	Resp:	40537
Ion Ratio	Lower	Upper	
107	100		
108	81.8	71.4	111.4
77	32.0	47.3	87.3#
79	24.9	10.9	50.9

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Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

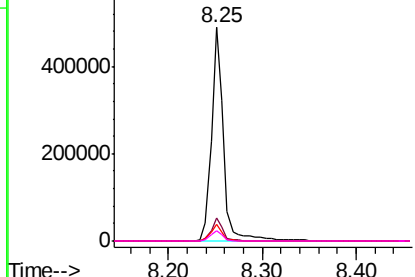
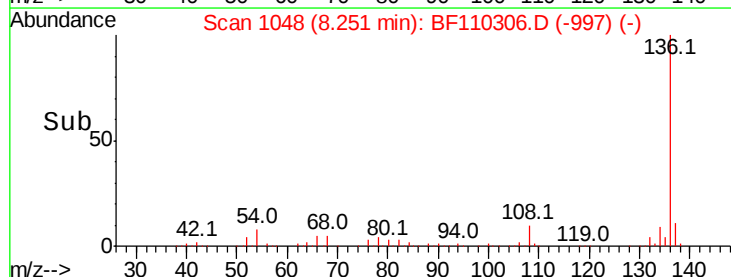
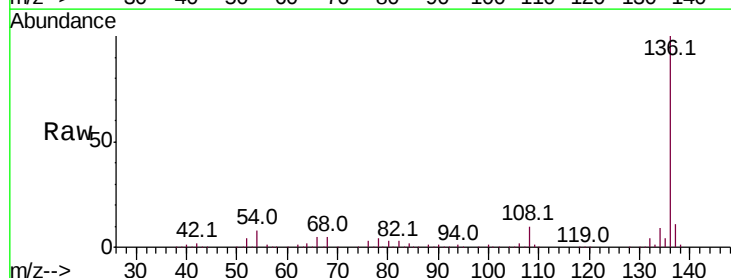
Delta R.T. 0.00 min

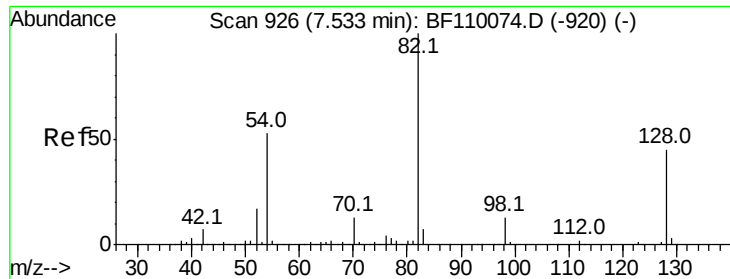
Lab File: BF110306.D

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Tgt Ion:	136	Resp:	446287
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.8	13.2
54	7.7	5.4	8.2
68	4.8	4.2	6.2

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





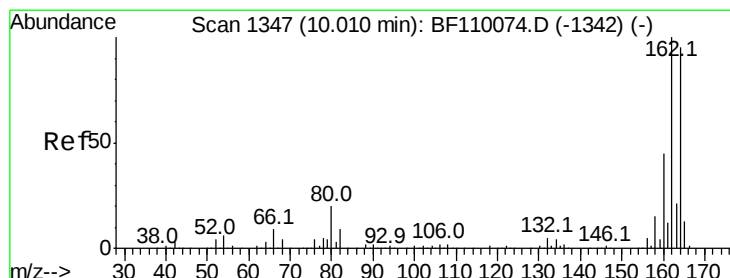
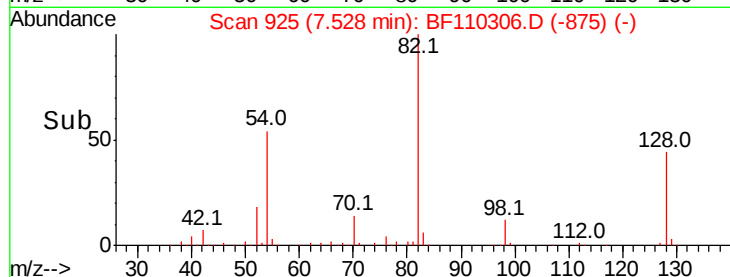
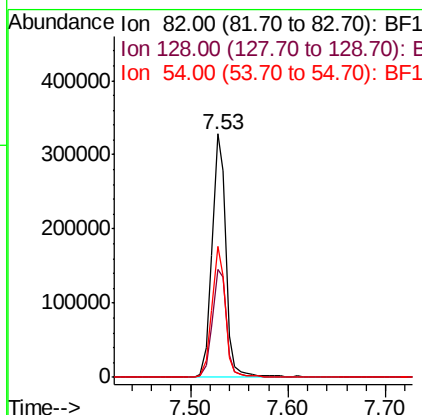
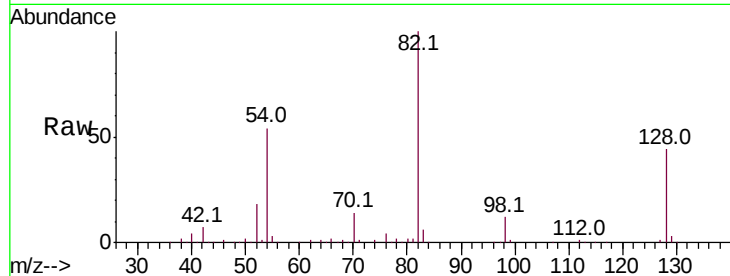
#23
 Nitrobenzene-d5
 Concen: 43.374 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: BF110306.D
 Acq: 30 Oct 2018 16:41

Instrument :
 BNA_F
 ClientSampleId :
 DARK-SOIL(IN-BUCKET)

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.5	34.2	51.2
54	53.7	38.6	58.0

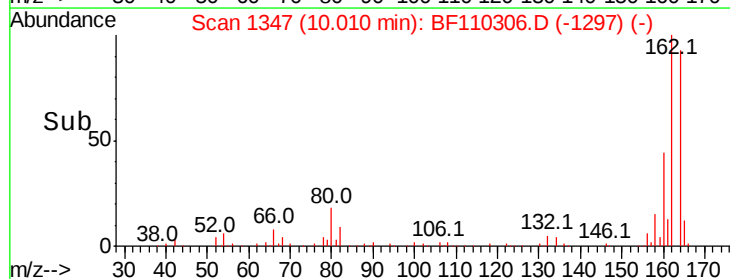
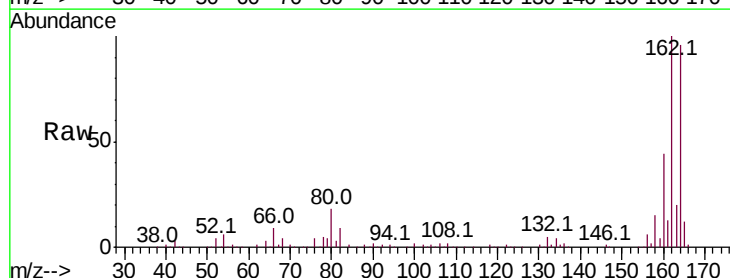
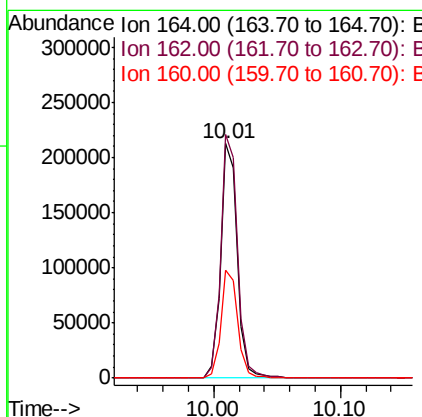
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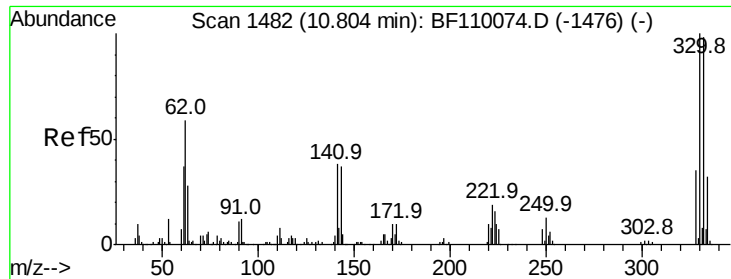
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: BF110306.D
 Acq: 30 Oct 2018 16:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	83.0	124.6
160	46.2	37.0	55.6





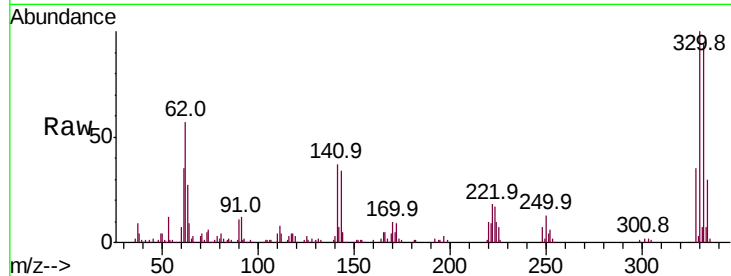
#42
 2,4,6-Tribromophenol
 Concen: 52.914 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF110306.D
 Acq: 30 Oct 2018 16:41

Instrument :
 BNA_F
 ClientSampleId :
 DARK-SOIL(IN-BUCKET)

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.1	115.7
141	37.8	27.0	40.4

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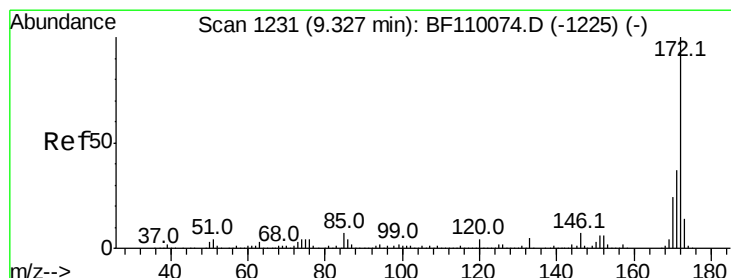
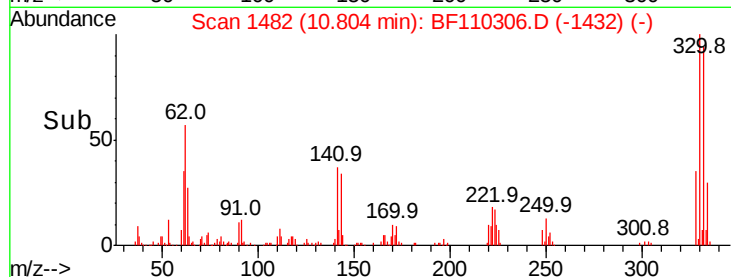
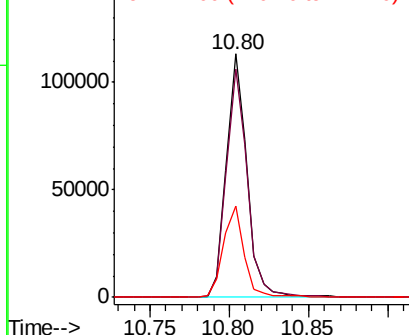


Abundance

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



#45
 2-Fluorobiphenyl
 Concen: 40.456 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF110306.D
 Acq: 30 Oct 2018 16:41

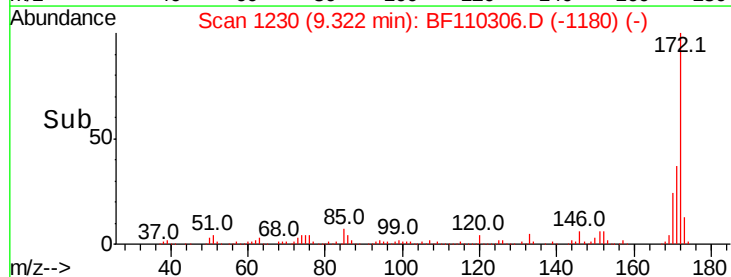
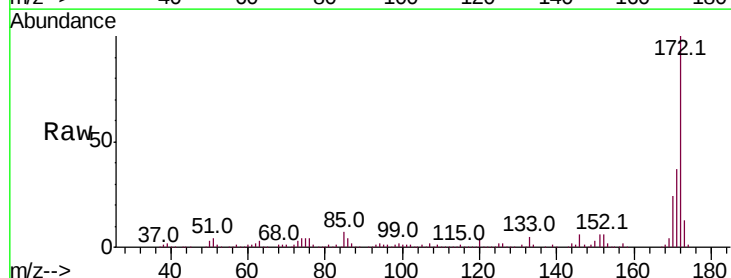
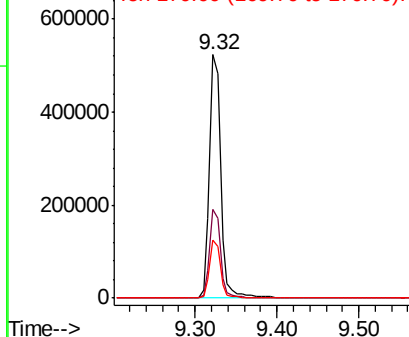
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.6	43.0
170	23.7	19.7	29.5

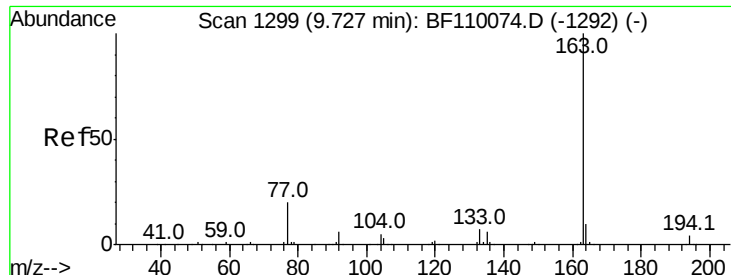
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





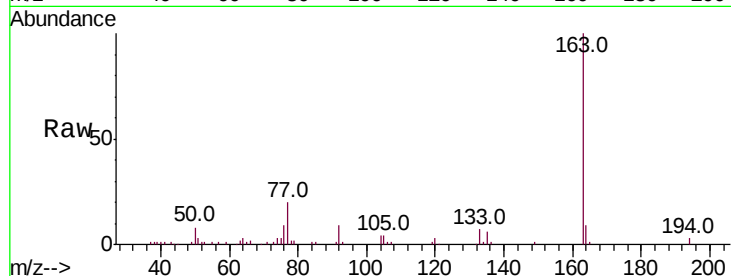
#50
Dimethylphthalate
Concen: 3.894 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF110306.D
Acq: 30 Oct 2018 16:41

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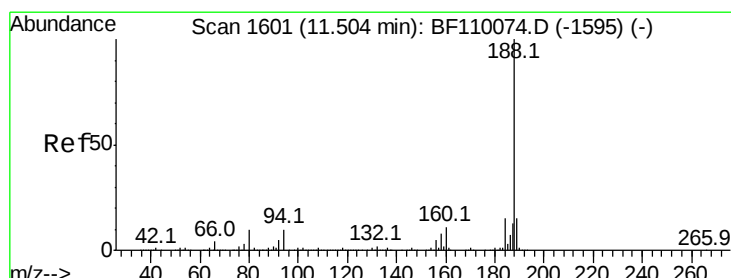
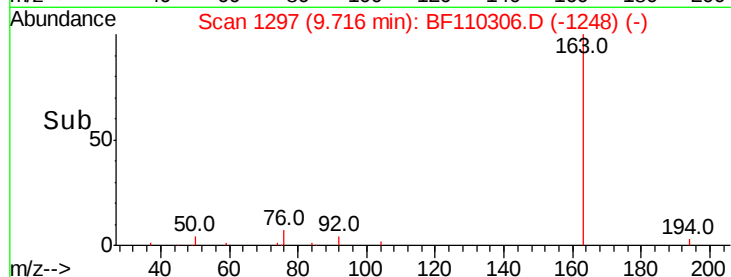
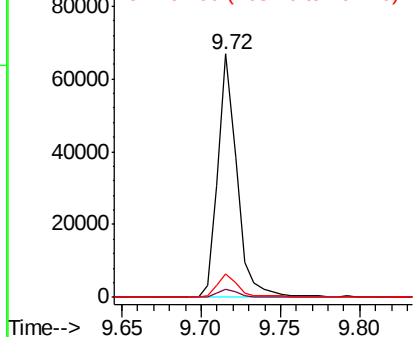
Tot Ion:	163	Resp:	56150
Ion Ratio	Lower	Upper	
163	100		
194	3.4	3.2	4.8
164	9.4	8.1	12.1

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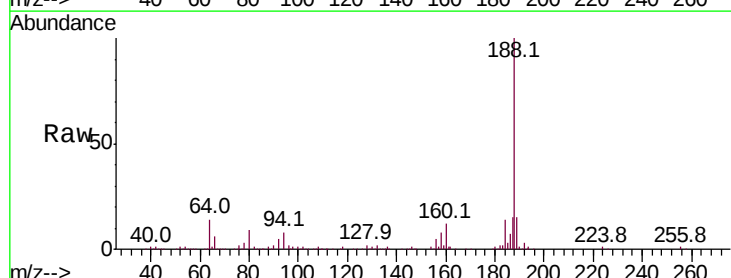


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

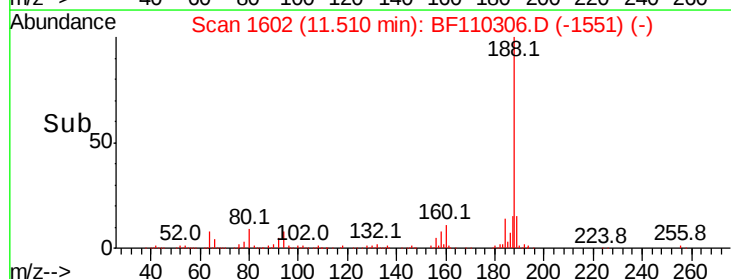
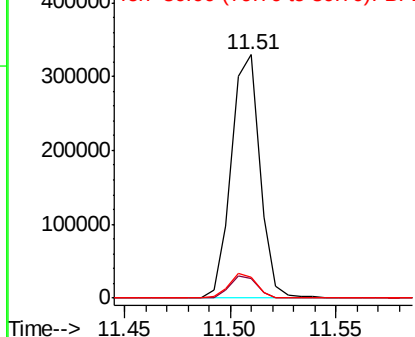


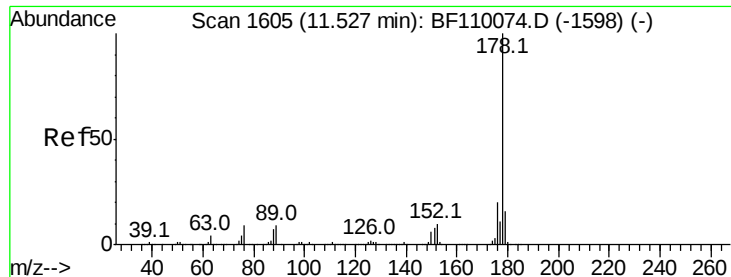
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.00 min
Lab File: BF110306.D
Acq: 30 Oct 2018 16:41

Tgt Ion:	188	Resp:	308917
Ion Ratio	Lower	Upper	
188	100		
94	8.1	7.2	10.8
80	8.8	7.9	11.9



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





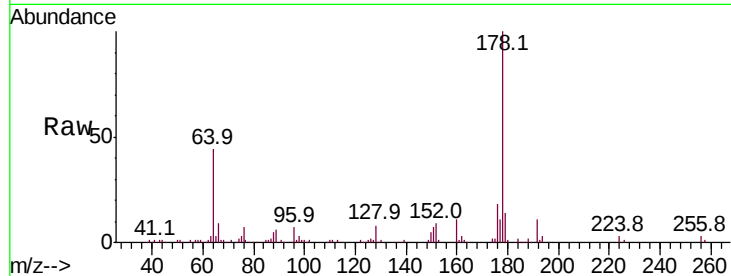
#71
Phenanthrene
Concen: 5.491 ng
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: BF110306.D
Acq: 30 Oct 2018 16:41

Instrument :
BNA_F
ClientSampleId :
DARK-SOIL(IN-BUCKET)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.5	23.3
179	14.0	12.5	18.7

Manual Integrations
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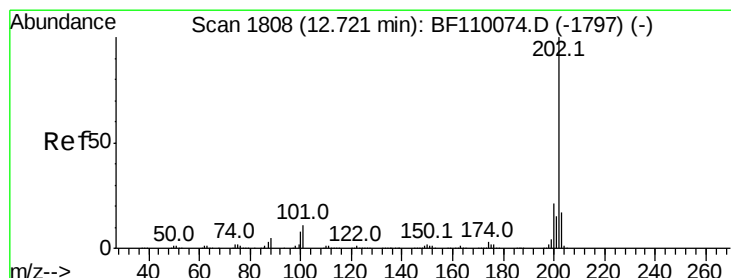
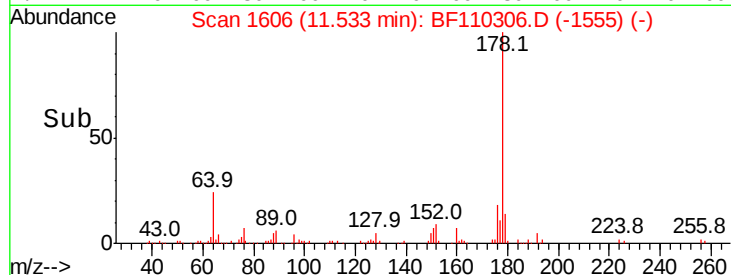
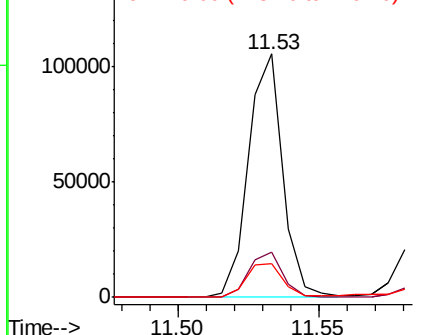


Abundance

Ion 178.00 (177.70 to 178.70): E

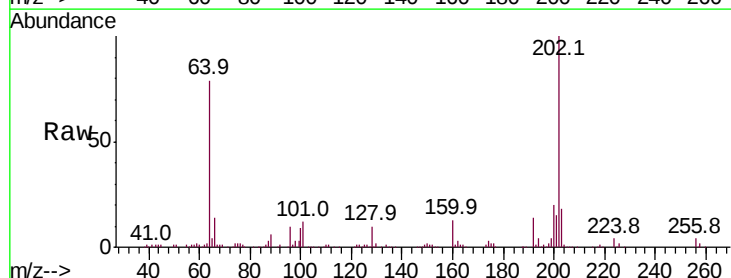
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
Fluoranthene
Concen: 7.929 ng
RT: 12.74 min Scan# 1811
Delta R.T. 0.01 min
Lab File: BF110306.D
Acq: 30 Oct 2018 16:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	31.4
203	18.5	0.0	37.7

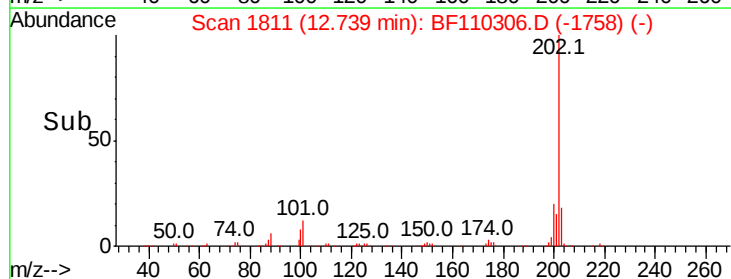
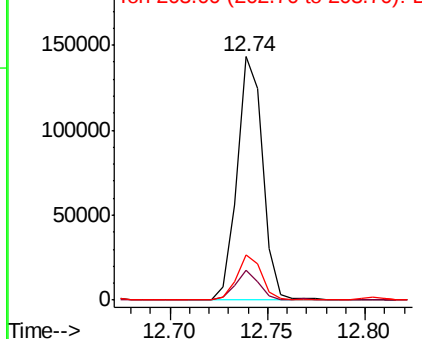


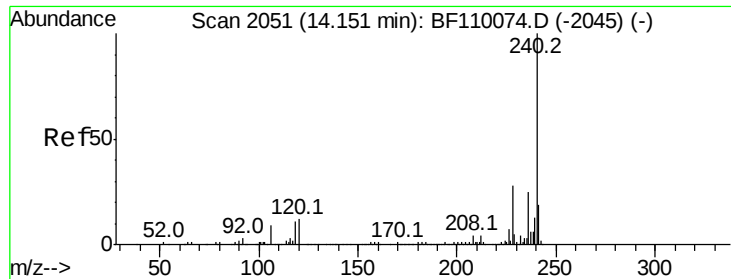
Abundance

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





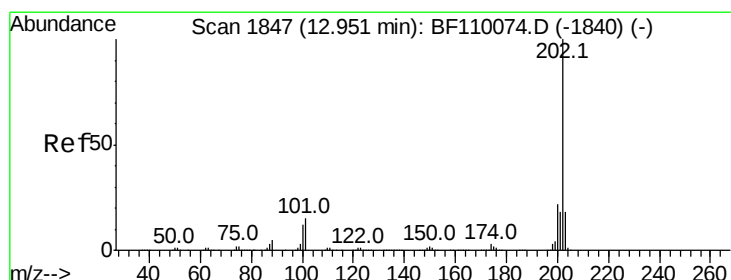
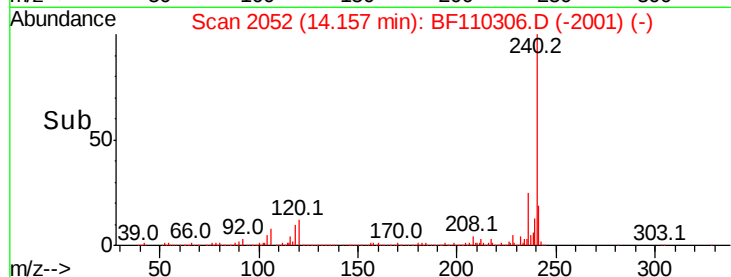
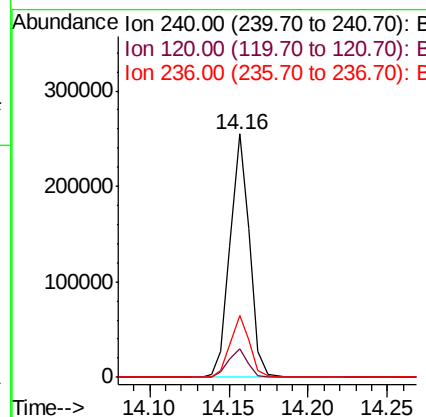
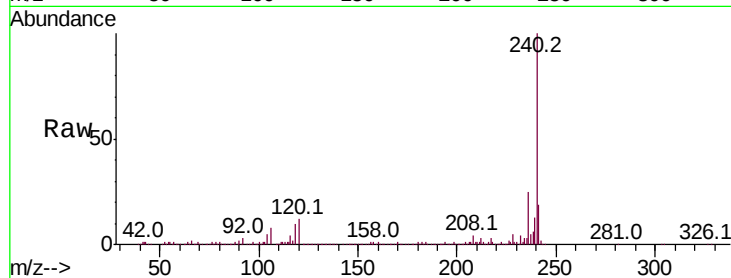
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.00 min
Lab File: BF110306.D
Acq: 30 Oct 2018 16:41

Instrument :
BNA_F
ClientSampleId :
DARK-SOIL(IN-BUCKET)

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.5	8.3	12.5
236	25.2	21.2	31.8

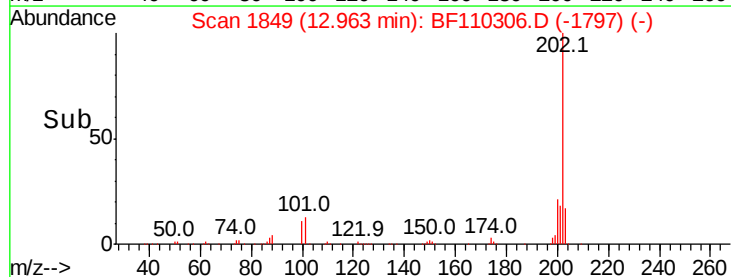
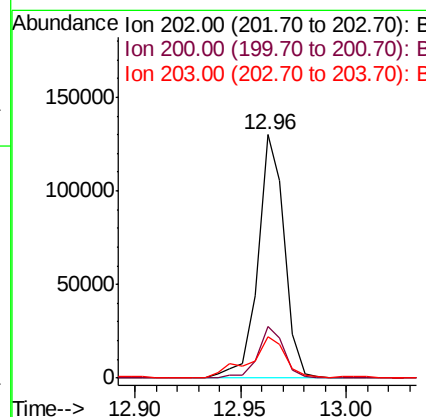
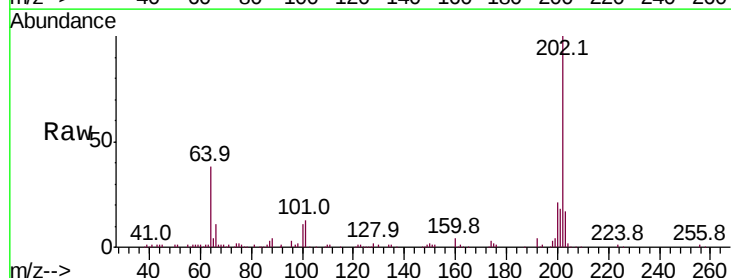
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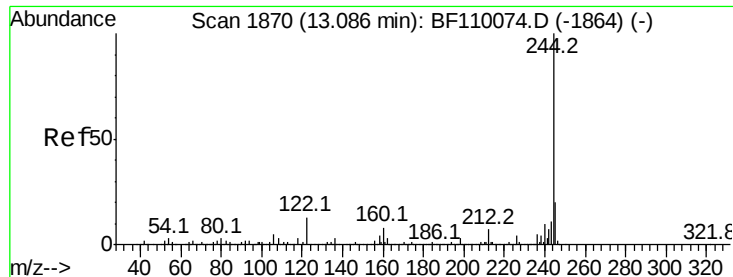
Sohil
10/31/2018 11:15:01 AM



#78
Pyrene
Concen: 7.325 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.01 min
Lab File: BF110306.D
Acq: 30 Oct 2018 16:41

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.8	26.6
203	17.2	14.2	21.4





#79

Terphenyl-d14

Concen: 32.573 ng

RT: 13.09 min Scan# 1871

Delta R.T. -0.00 min

Lab File: BF110306.D

Acq: 30 Oct 2018 16:41

Instrument :

BNA_F

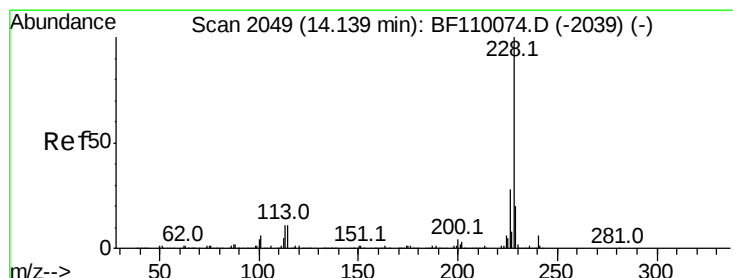
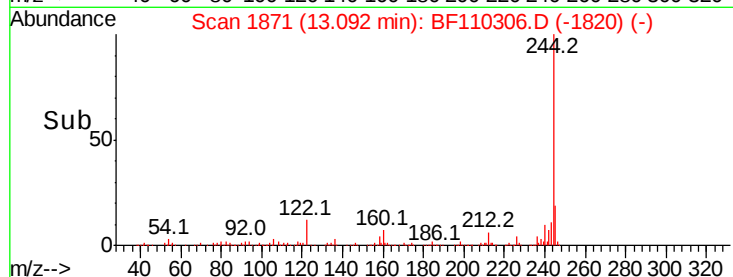
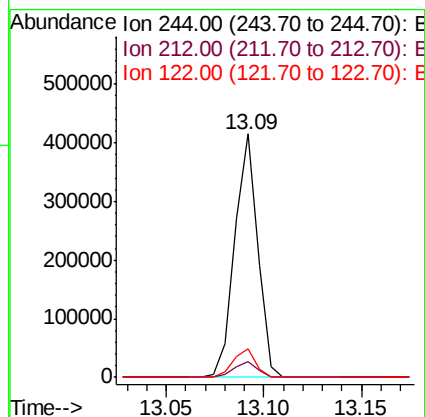
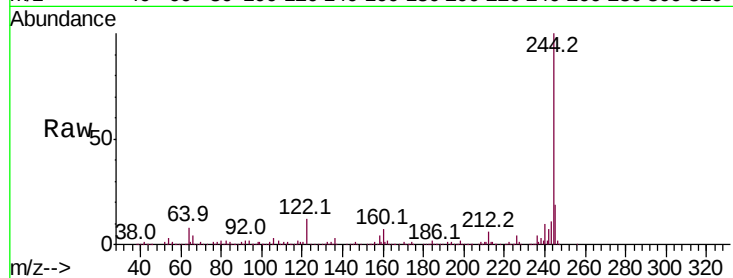
ClientSampleId :

DARK-SOIL(IN-BUCKET)

Tot Ion:	244	Resp:	338938
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.8	8.8
122	11.6	8.7	13.1

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#81

Benzo(a)anthracene

Concen: 4.281 ng

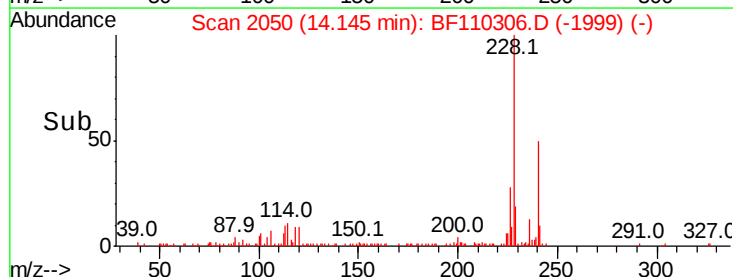
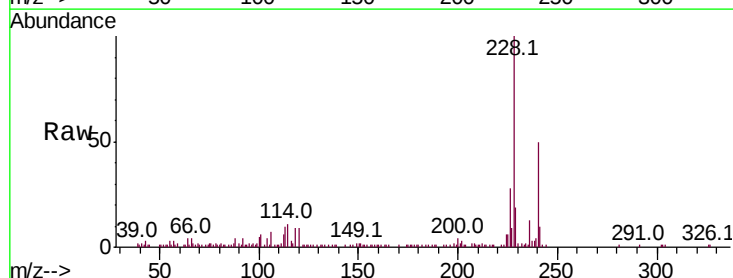
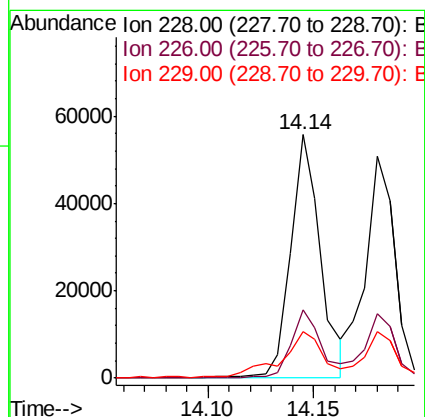
RT: 14.14 min Scan# 2050

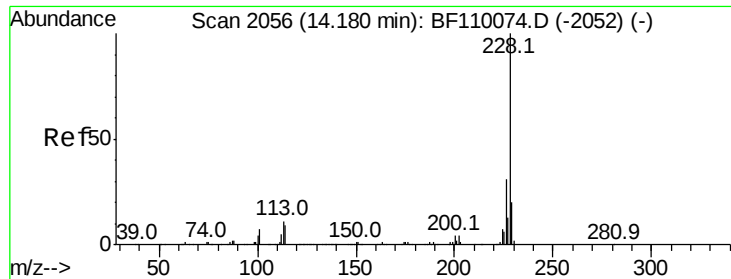
Delta R.T. 0.00 min

Lab File: BF110306.D

Acq: 30 Oct 2018 16:41

Tgt Ion:	228	Resp:	54942
Ion Ratio	Lower	Upper	
228	100		
226	28.0	22.1	33.1
229	19.3	15.6	23.4





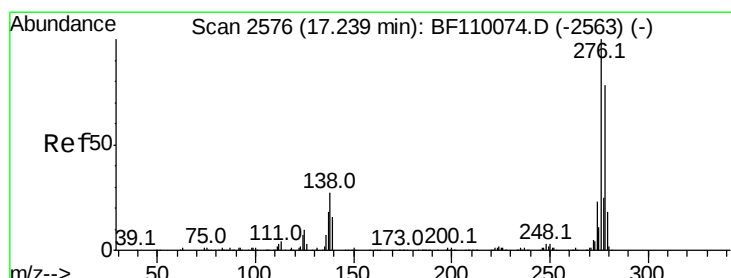
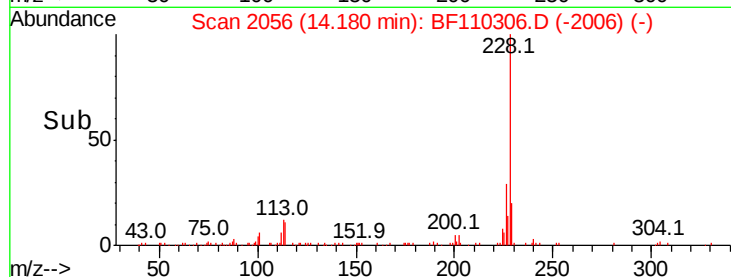
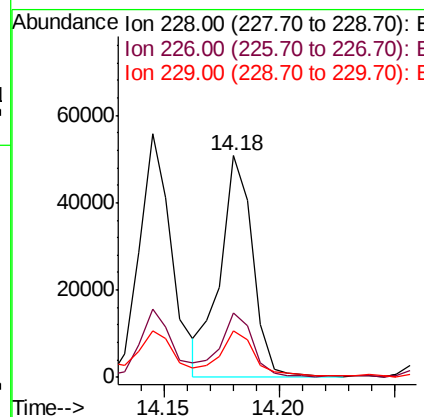
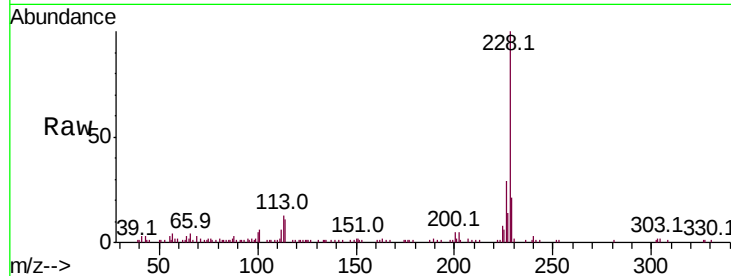
#83
Chrysene
Concen: 4.103 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF110306.D
Acq: 30 Oct 2018 16:41

Instrument :
BNA_F
ClientSampleId :
DARK-SOIL(IN-BUCKET)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.7	37.1
229	20.8	15.9	23.9

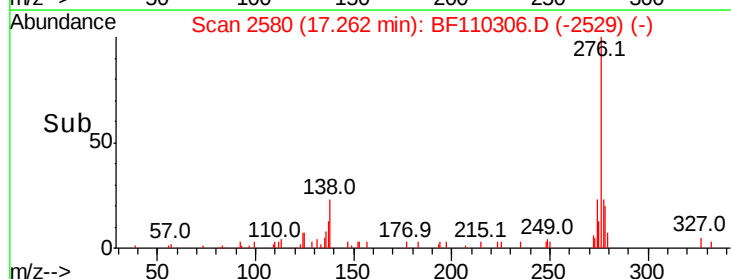
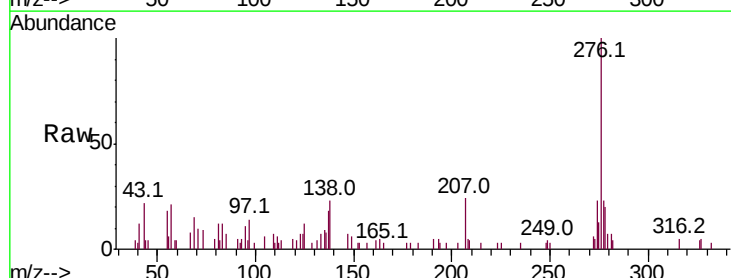
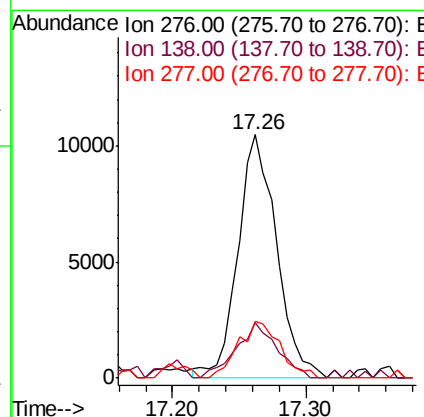
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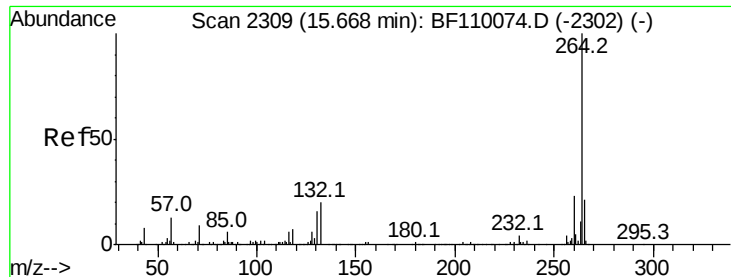
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.088 ng
RT: 17.26 min Scan# 2580
Delta R.T. -0.00 min
Lab File: BF110306.D
Acq: 30 Oct 2018 16:41

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.1	18.5	27.7
277	25.1	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2313

Delta R.T. 0.01 min

Lab File: BF110306.D

Acq: 30 Oct 2018 16:41

Instrument :

BNA_F

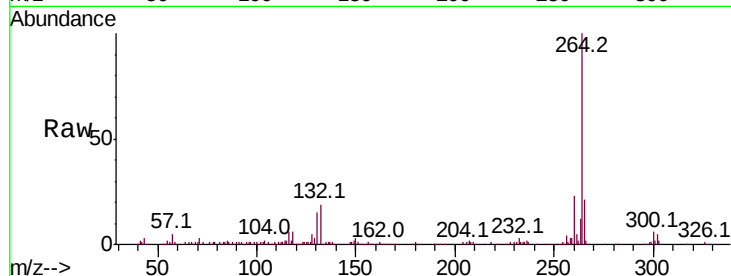
ClientSampleId :

DARK-SOIL(IN-BUCKET)

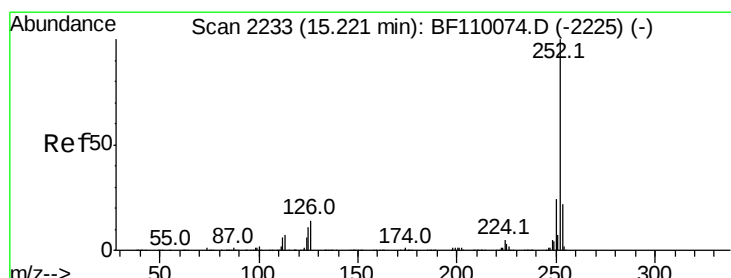
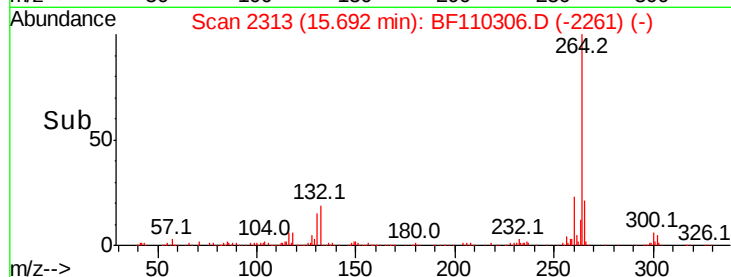
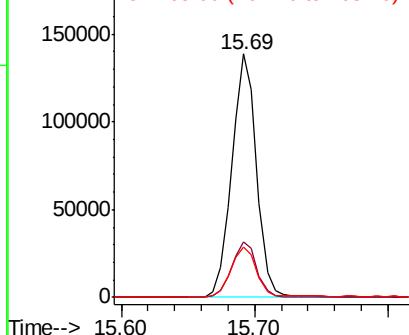
Tot Ion:	264	Resp:	179177
Ion Ratio	Lower	Upper	
264	100		
260	22.5	18.7	28.1
265	20.8	16.7	25.1

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 5.349 ng m

RT: 15.23 min Scan# 2235

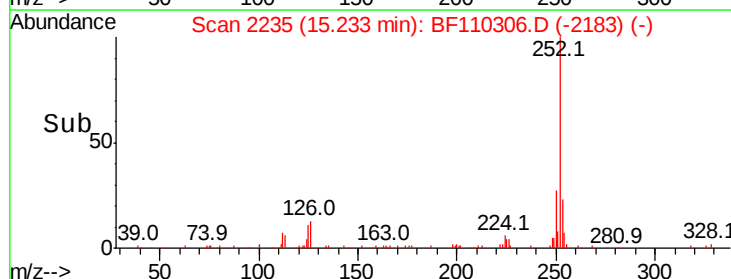
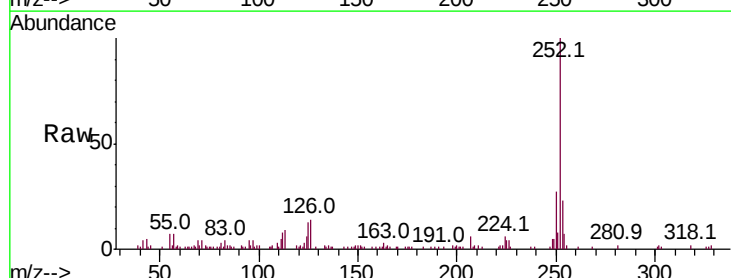
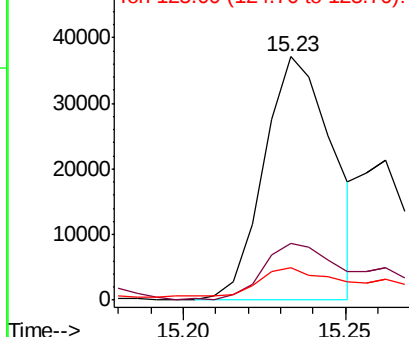
Delta R.T. 0.01 min

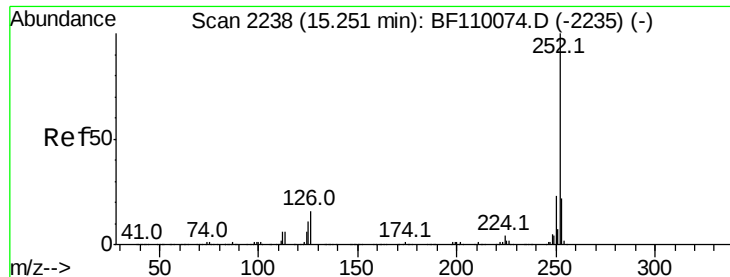
Lab File: BF110306.D

Acq: 30 Oct 2018 16:41

Tgt Ion:	252	Resp:	55348
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.2	25.8
125	13.1	8.2	12.4#

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





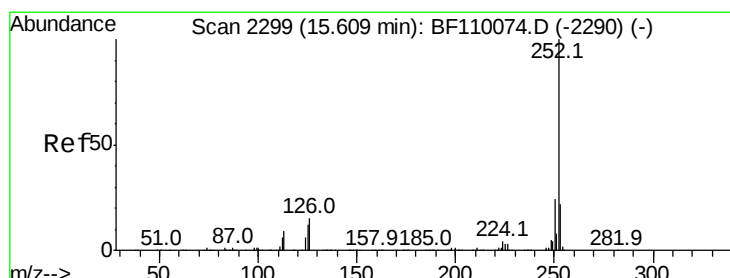
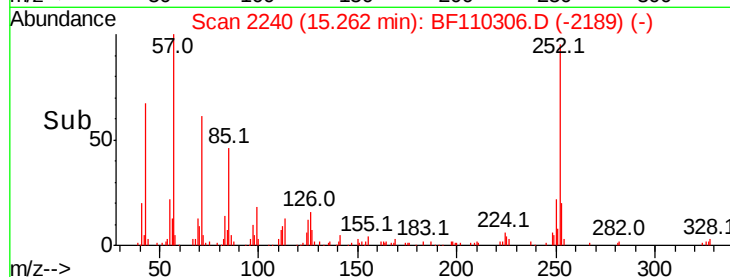
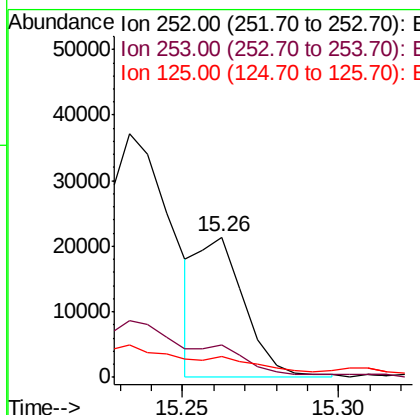
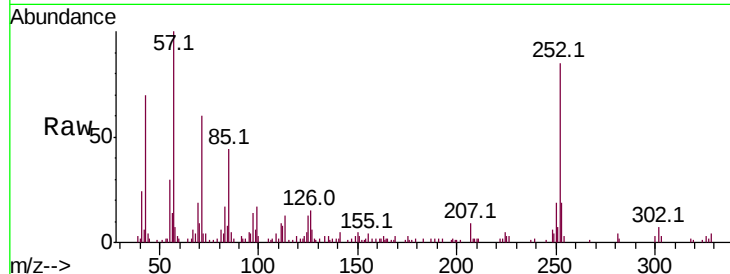
#89
Benzo(k)fluoranthene
Concen: 2.205 ng m
RT: 15.26 min Scan# 2240
Delta R.T. 0.00 min
Lab File: BF110306.D
Acq: 30 Oct 2018 16:41

Instrument :
BNA_F
ClientSampleId :
DARK-SOIL(IN-BUCKET)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	14.8	7.4	11.0

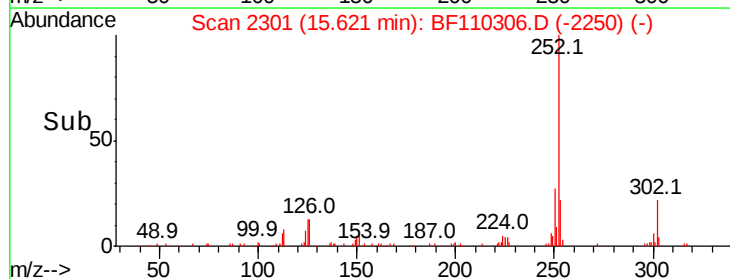
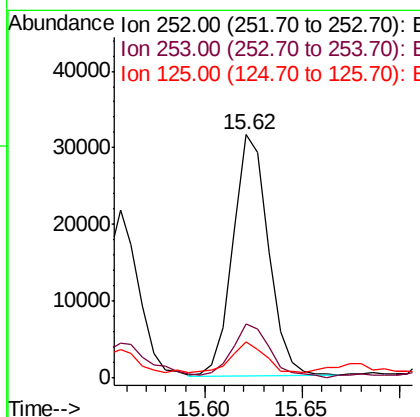
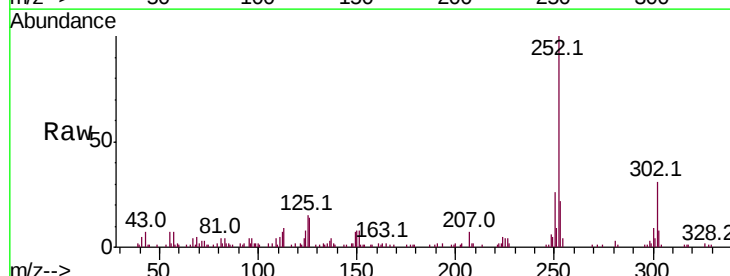
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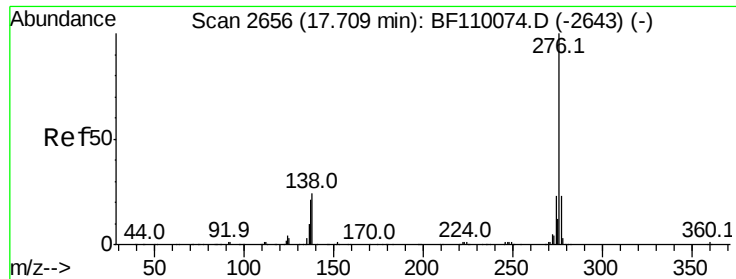
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#90
Benzo(a)pyrene
Concen: 4.198 ng
RT: 15.62 min Scan# 2301
Delta R.T. 0.00 min
Lab File: BF110306.D
Acq: 30 Oct 2018 16:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.4
125	14.7	9.0	13.6





#92
 Benzo(a,h,i)perylene
 Concen: 2.325 ng
 RT: 17.74 min Scan# 2662
 Delta R.T. 0.01 min
 Lab File: BF110306.D
 Acq: 30 Oct 2018 16:41

Instrument :
 BNA_F
 ClientSampleId :
 DARK-SOIL(IN-BUCKET)

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	19.6	16.0	24.0

Manual Integrations
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Sohil
 10/31/2018 11:15:01 AM

