

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
 Data File : BF109932.D
 Acq On : 17 Oct 2018 20:48
 Operator : JU/SJ
 Sample : J5536-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 351-SOIL

Manual Integrations
 APPROVED

Sohil
 10/18/2018 2:04:34 PM

Quant Time: Oct 18 12:14:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	246197	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	914000	20.00	ng	-0.01
39) Acenaphthene-d10	10.02	164	374784	20.00	ng	0.00
64) Phenanthrene-d10	11.52	188	409403	20.00	ng	0.00
76) Chrysene-d12	14.19	240	260941m	20.00	ng	0.03
87) Perylene-d12	15.73	264	535188	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	597808	38.49	ng	-0.01
7) Phenol-d6	6.59	99	755278	39.16	ng	-0.02
23) Nitrobenzene-d5	7.53	82	424092	31.26	ng	-0.02
42) 2,4,6-Tribromophenol	10.81	330	114617	35.32	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	657094	27.98	ng	0.00
79) Terphenyl-d14	13.11	244	372156	29.95	ng	0.00
Target Compounds						
10) Phenol	6.60	94	42903	2.060	ng	# 59
50) Dimethylphthalate	9.72	163	100943	3.804	ng	# 93
52) Acenaphthene	10.05	154	80434	3.536	ng	98
71) Phenanthrene	11.54	178	109657	5.174	ng	# 82
72) Anthracene	11.59	178	129386	6.072	ng	# 90
75) Fluoranthene	12.75	202	757977m	35.798	ng	
78) Pyrene	12.98	202	654083	34.128	ng	# 80
81) Benzo(a)anthracene	14.18	228	170010	11.061	ng	# 79
83) Chrysene	14.22	228	140315m	9.591	ng	
86) Indeno(1,2,3-cd)pyrene	17.27	276	194150	16.482	ng	99
88) Benzo(b)fluoranthene	15.27	252	441100m	14.296	ng	
89) Benzo(k)fluoranthene	15.30	252	114938m	3.779	ng	
90) Benzo(a)pyrene	15.66	252	362094	12.760	ng	# 92
91) Dibenzo(a,h)anthracene	17.27	278	52567m	2.090	ng	
92) Benzo(a,h,i)perylene	17.74	276	190315	7.490	ng	96

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

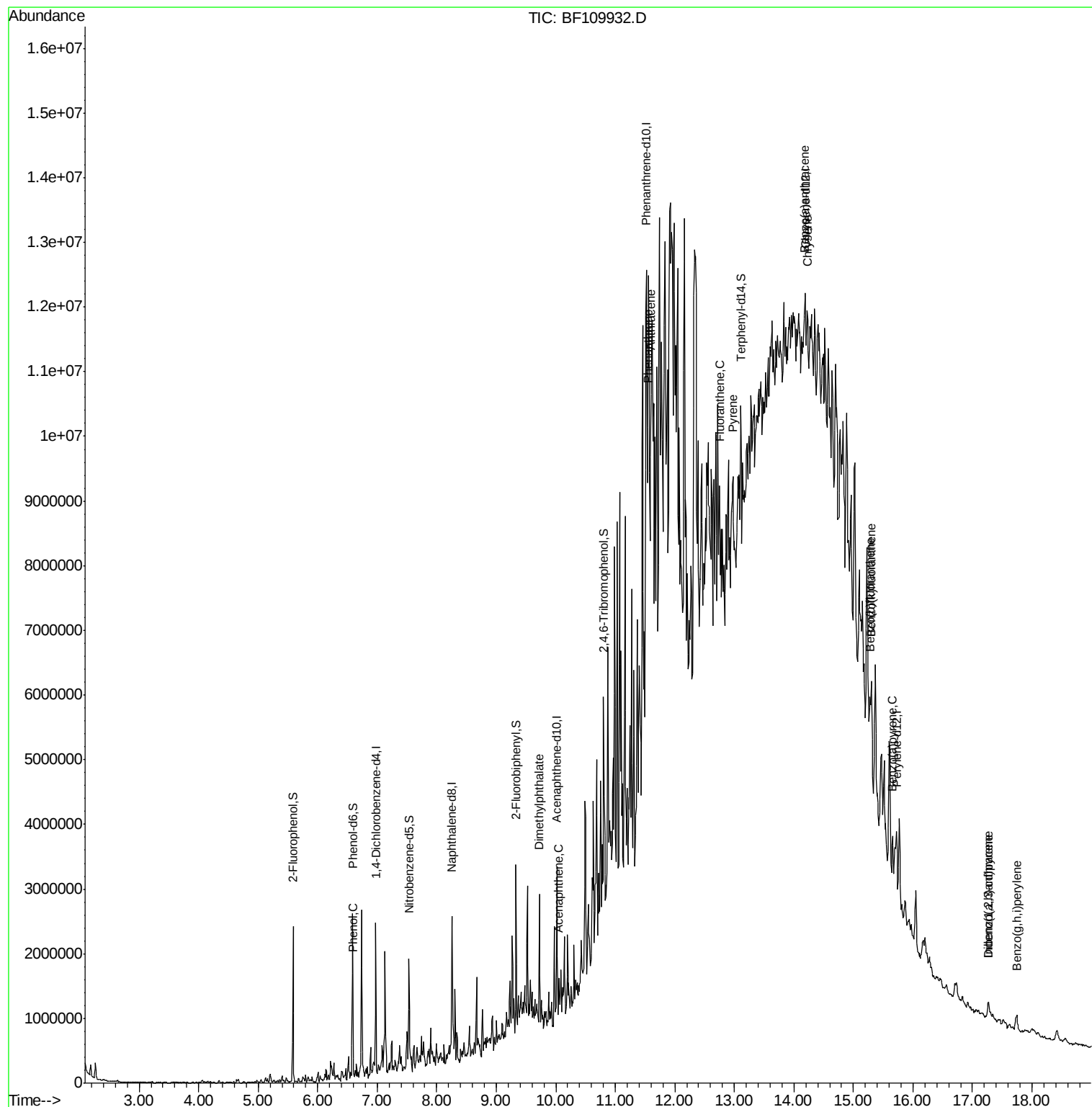
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109932.D
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ALS Vial : 10 Sample Multiplier: 1

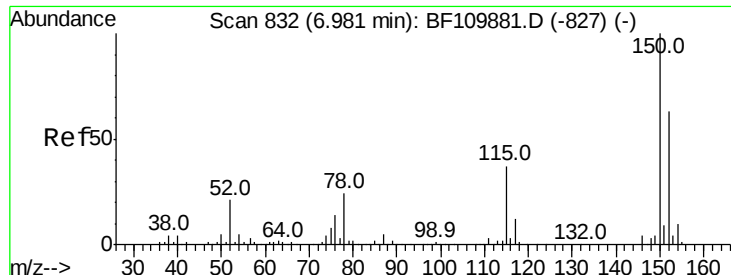
Instrument :
BNA_F
ClientSampled :
351-SOIL

Manual Integrations
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Quant Time: Oct 18 12:14:56 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 14:58:24 2018
Response via : Initial Calibration





#1

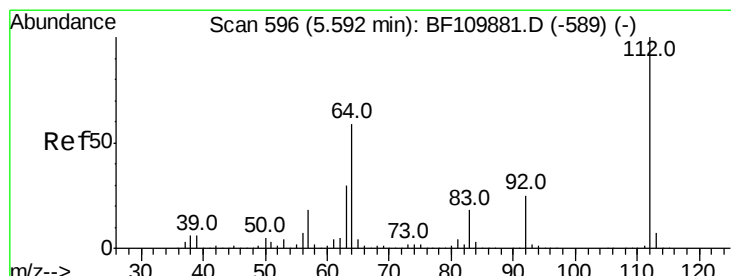
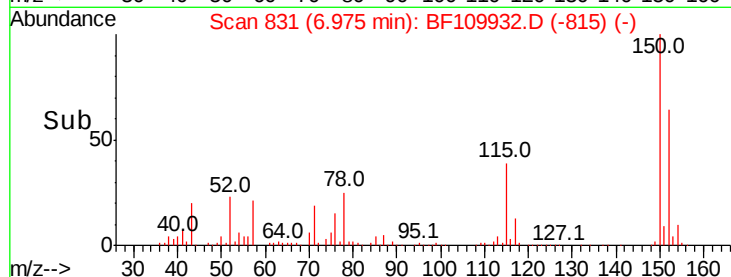
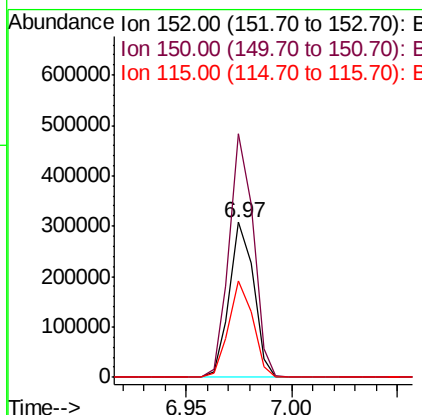
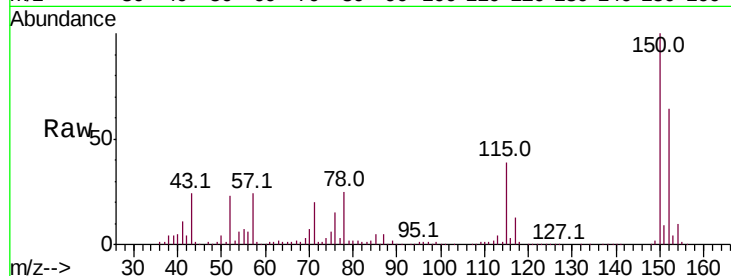
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

Instrument :
BNA_F
ClientSampleId :
351-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	122.7	184.1
115	62.0	49.1	73.7

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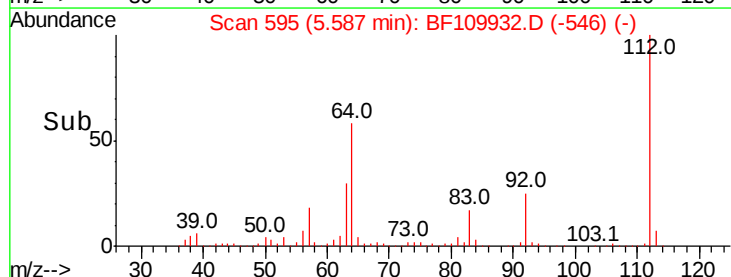
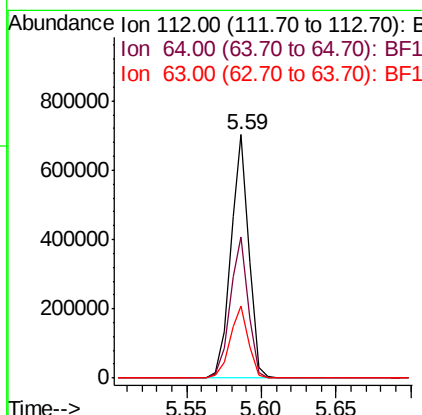
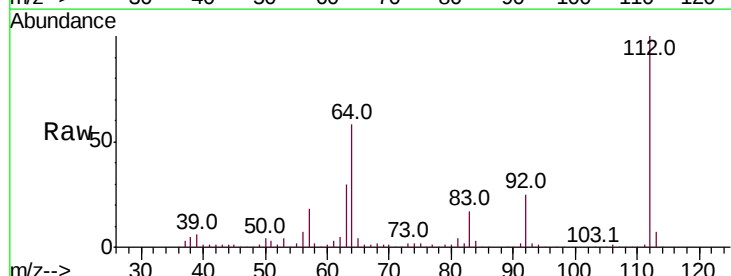
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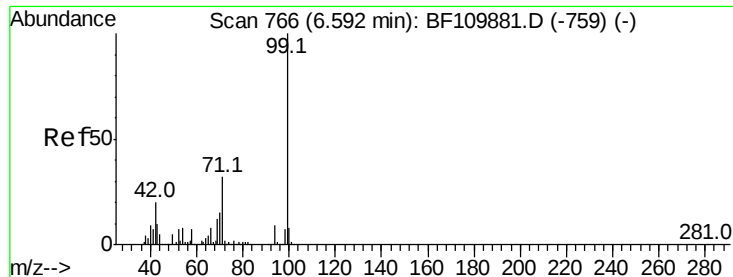


#5

2-Fluorophenol
Concen: 38.490 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	44.1	66.1
63	29.8	23.7	35.5





#7

Phenol-d6

Concen: 39.162 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF109932.D

Acq: 17 Oct 2018 20:48

Instrument :

BNA_F

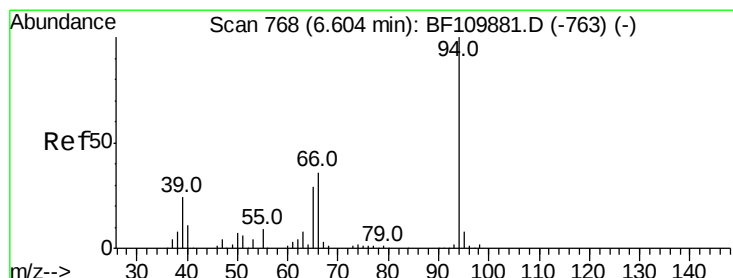
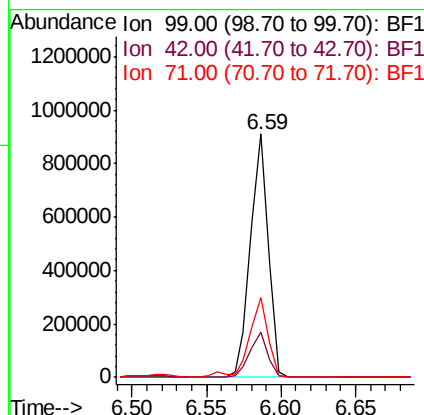
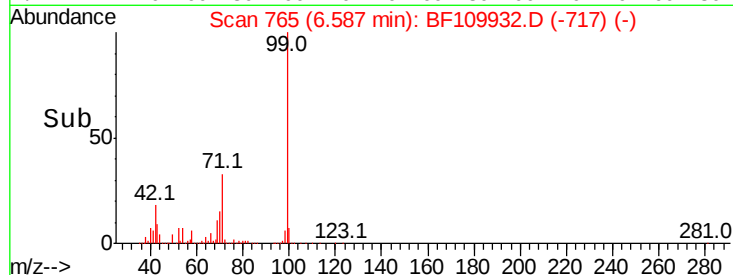
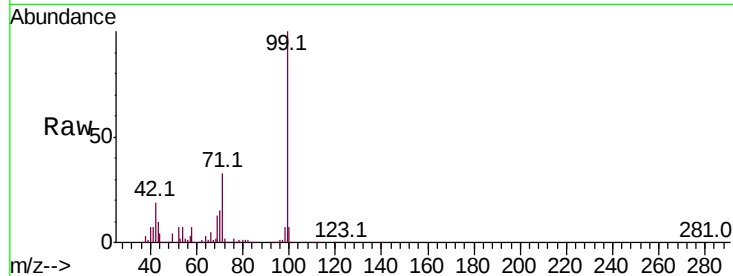
ClientSampleId :

351-SOIL

Tot Ion:	99	Resp:	755278
Ion Ratio	Lower	Upper	
99	100		
42	18.6	15.8	23.6
71	32.8	28.0	42.0

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#10

Phenol

Concen: 2.060 ng

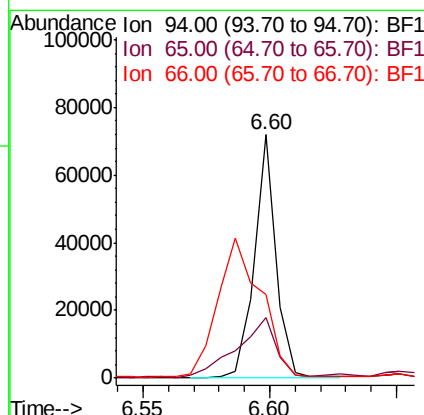
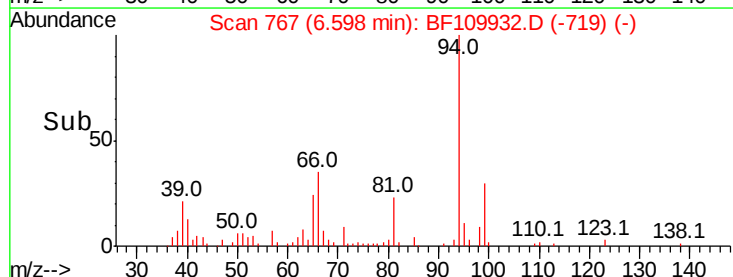
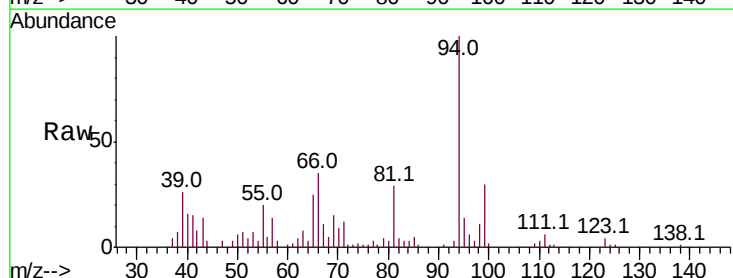
RT: 6.60 min Scan# 767

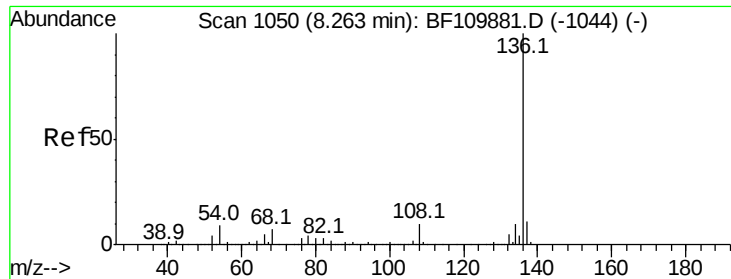
Delta R.T. -0.02 min

Lab File: BF109932.D

Acq: 17 Oct 2018 20:48

Tgt Ion:	94	Resp:	42903
Ion Ratio	Lower	Upper	
94	100		
65	24.9	25.3	65.3#
66	34.6	54.5	94.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. -0.01 min

Lab File: BF109932.D

Acq: 17 Oct 2018 20:48

Instrument :

BNA_F

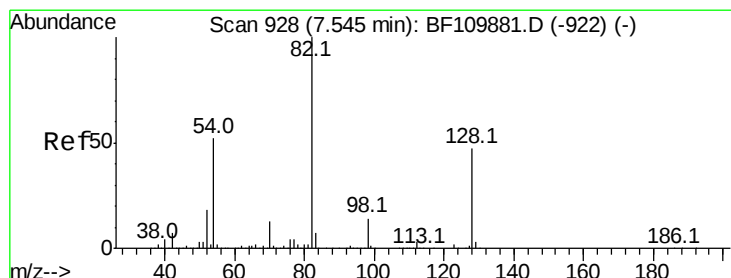
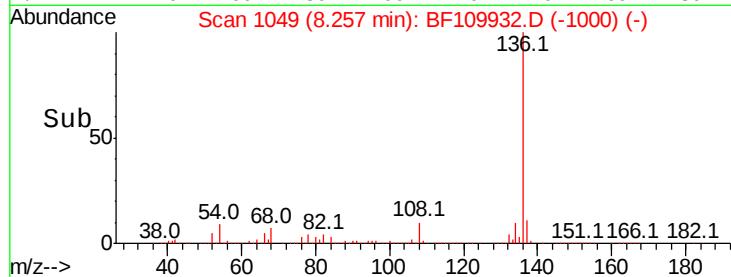
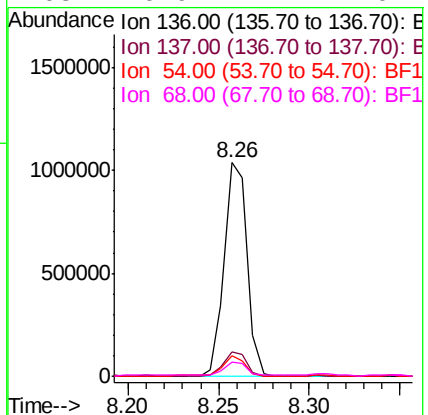
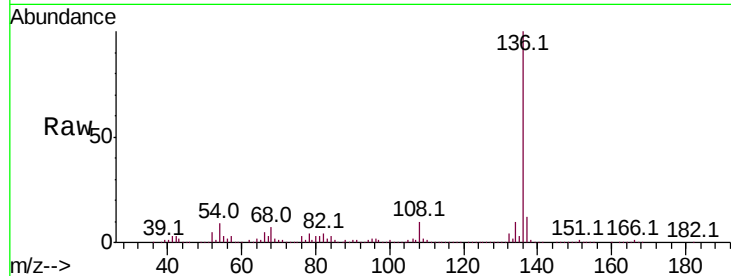
ClientSampleId :

351-SOIL

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.6	8.8	13.2
54	9.4	5.4	8.2#
68	6.9	4.2	6.2#

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#23

Nitrobenzene-d5

Concen: 31.257 ng

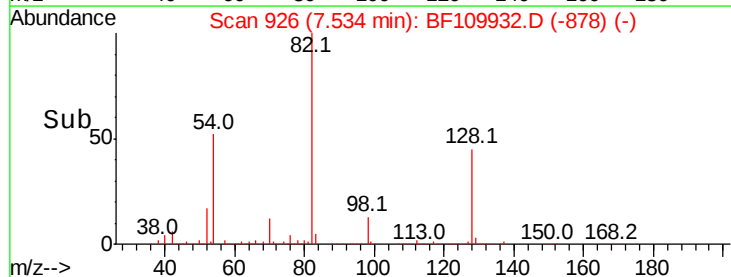
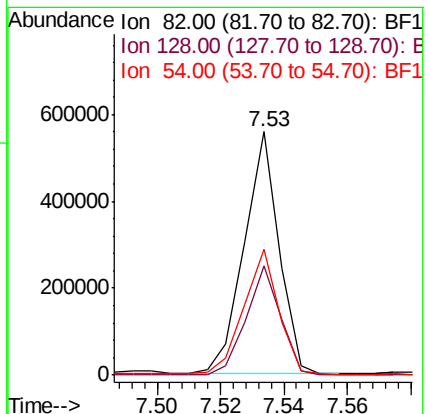
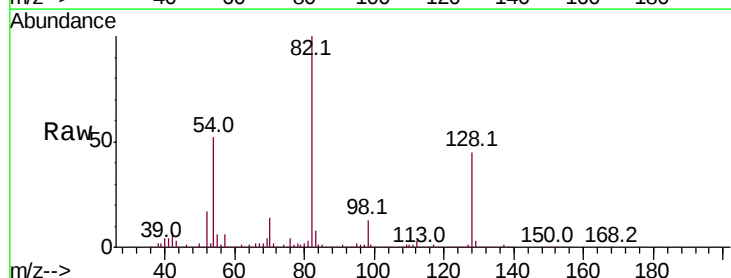
RT: 7.53 min Scan# 926

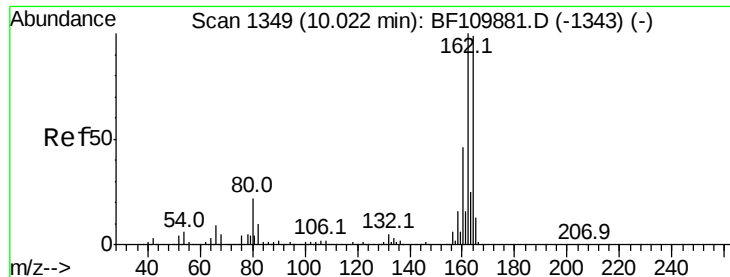
Delta R.T. -0.02 min

Lab File: BF109932.D

Acq: 17 Oct 2018 20:48

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	45.1	34.2	51.2
54	51.5	38.6	58.0





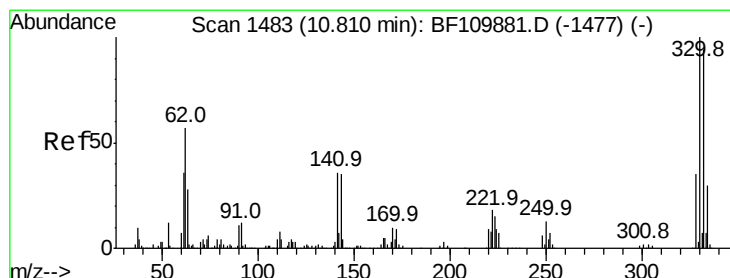
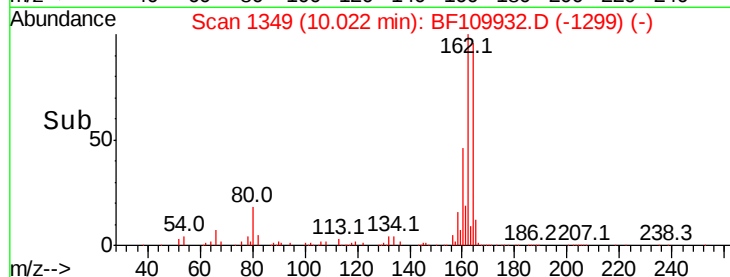
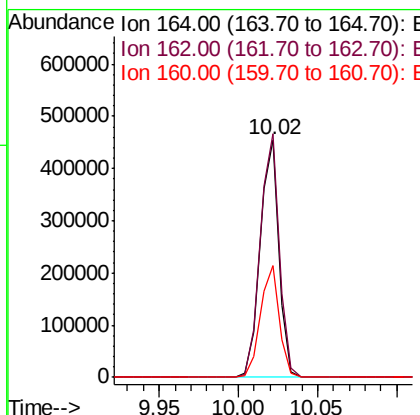
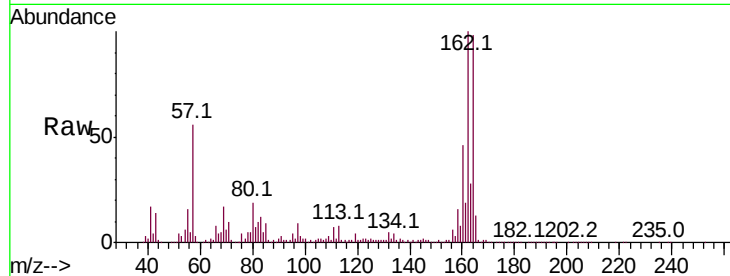
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.01 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

Instrument :
BNA_F
ClientSampled :
351-SOIL

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.4	83.0	124.6
160	46.9	37.0	55.6

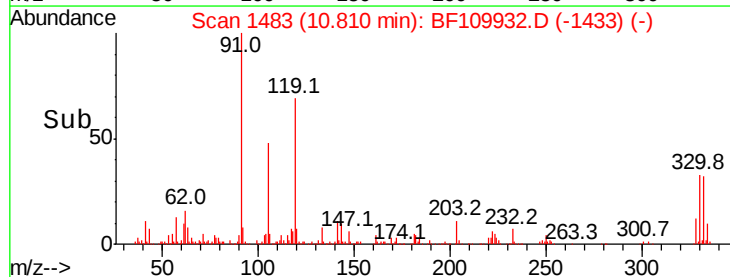
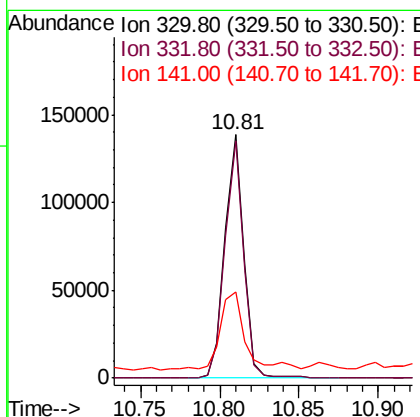
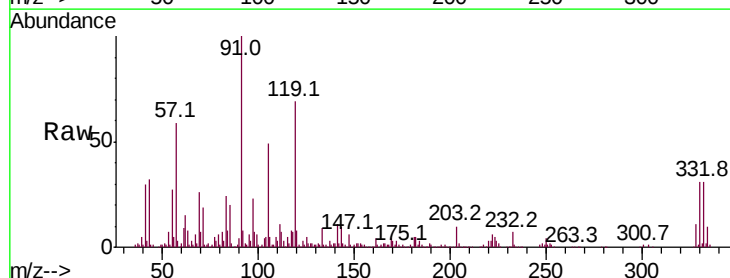
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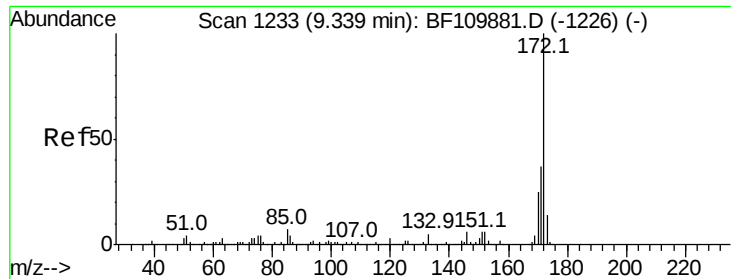
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#42
2,4,6-Tribromophenol
Concen: 35.324 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.1	115.7
141	40.9	27.0	40.4#





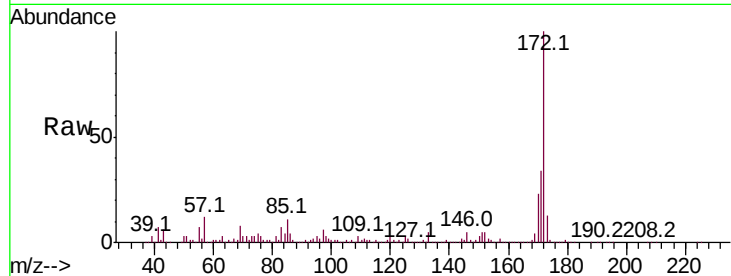
#45
2-Fluorobiphenyl
Concen: 27.976 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

Instrument :
BNA_F
ClientSampled :
351-SOIL

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.6	43.0
170	22.9	19.7	29.5

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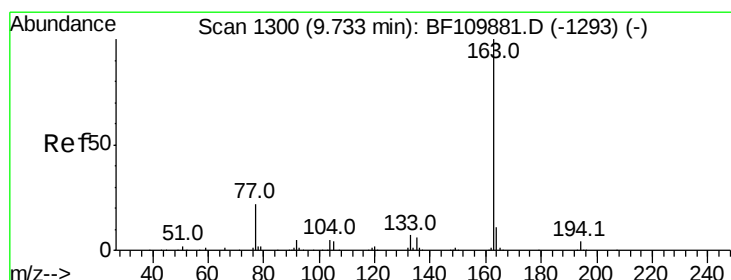
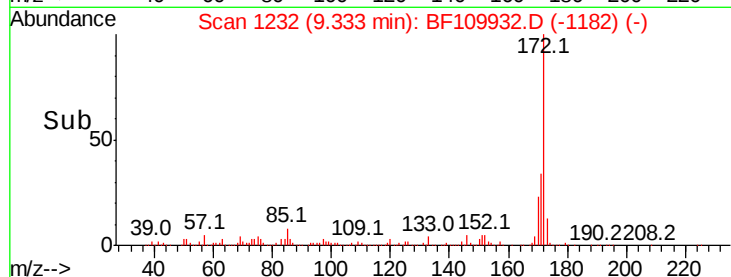
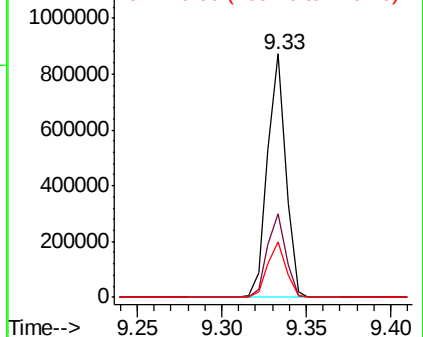


Abundance

Ion 172.00 (171.70 to 172.70): E

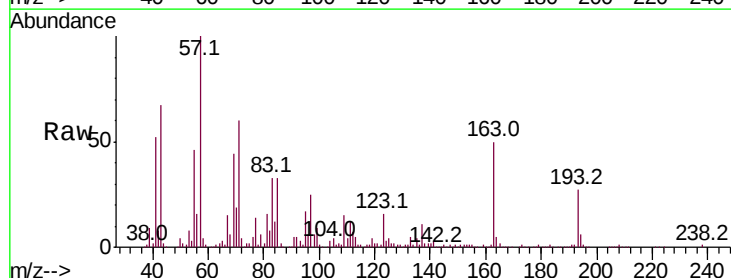
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 3.804 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

Tgt Ion	Ratio	Lower	Upper
163	100		
194	12.4	3.2	4.8#
164	10.1	8.1	12.1

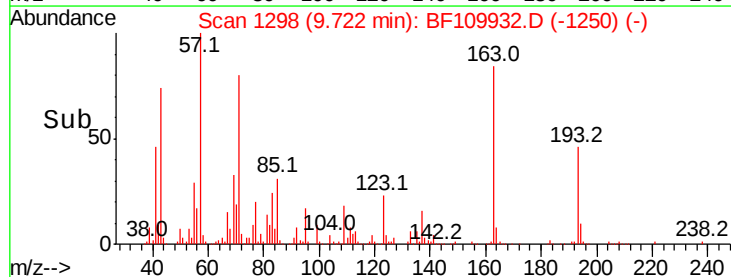
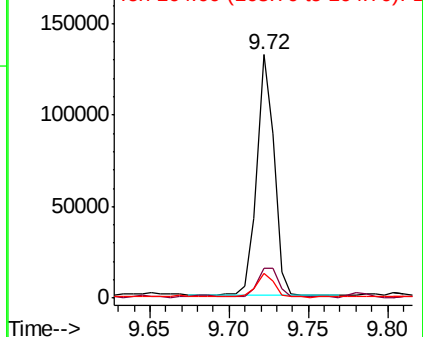


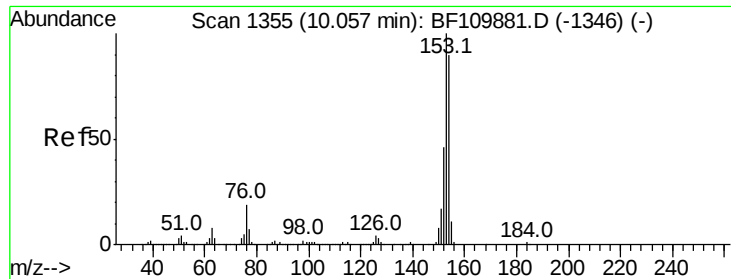
Abundance

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





#52

Acenaphthene

Concen: 3.536 ng

RT: 10.05 min Scan# 1354

Delta R.T. -0.01 min

Lab File: BF109932.D

Acq: 17 Oct 2018 20:48

Instrument :

BNA_F

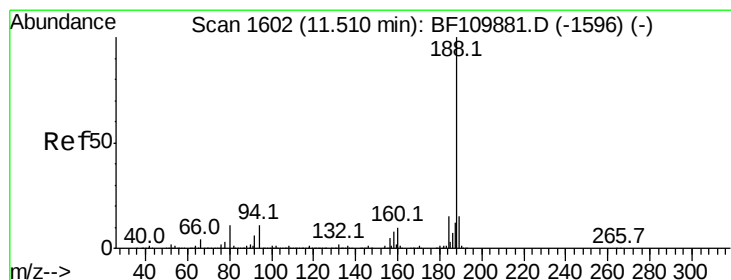
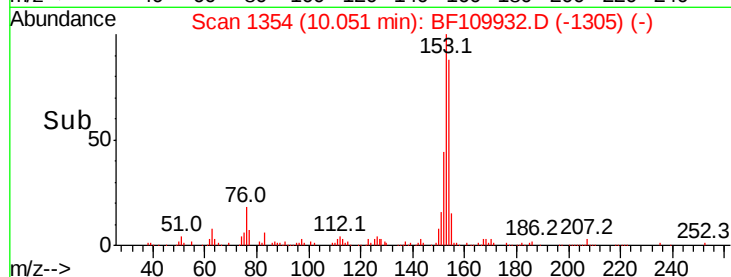
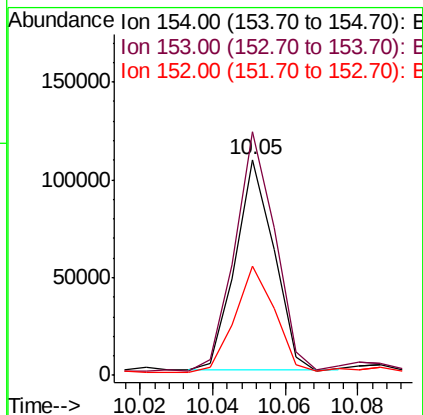
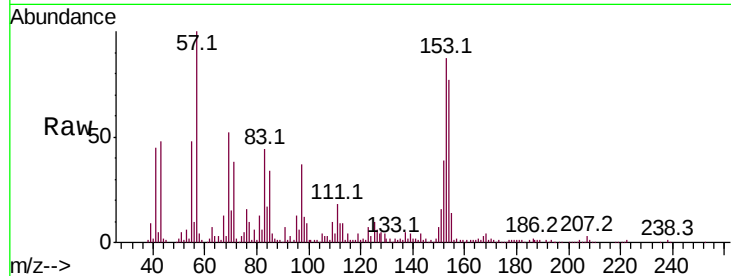
ClientSampleId :

351-SOIL

Tot Ion:	154	Resp:	80434
Ion	Ratio	Lower	Upper
154	100		
153	112.7	90.1	135.1
152	50.7	43.4	65.2

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#64

Phenanthrene-d10

Concen: 20.000 ng

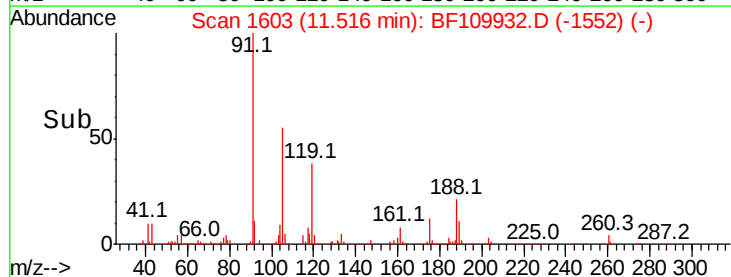
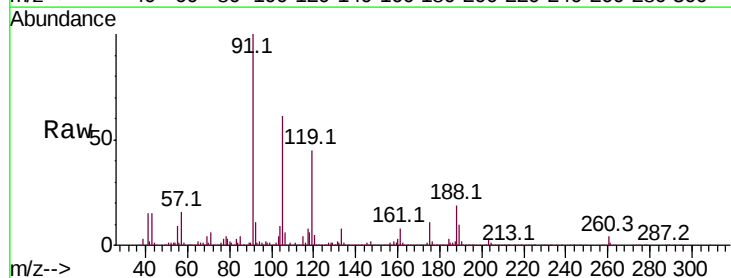
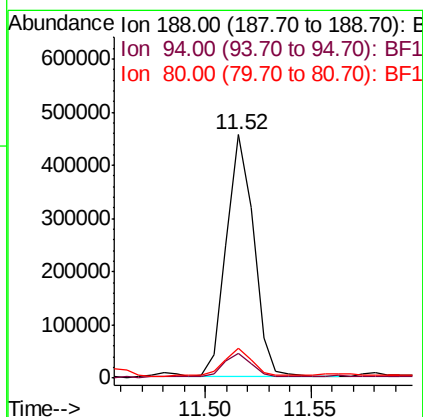
RT: 11.52 min Scan# 1603

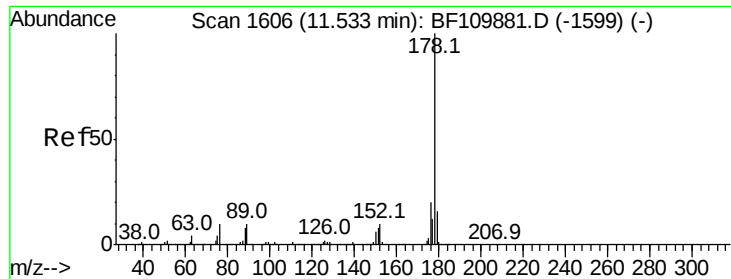
Delta R.T. -0.00 min

Lab File: BF109932.D

Acq: 17 Oct 2018 20:48

Tgt Ion:	188	Resp:	409403
Ion	Ratio	Lower	Upper
188	100		
94	10.4	7.2	10.8
80	12.3	7.9	11.9#





#71

Phenanthrene

Concen: 5.174 ng

RT: 11.54 min Scan# 1607

Delta R.T. -0.01 min

Lab File: BF109932.D

Acq: 17 Oct 2018 20:48

Instrument :

BNA_F

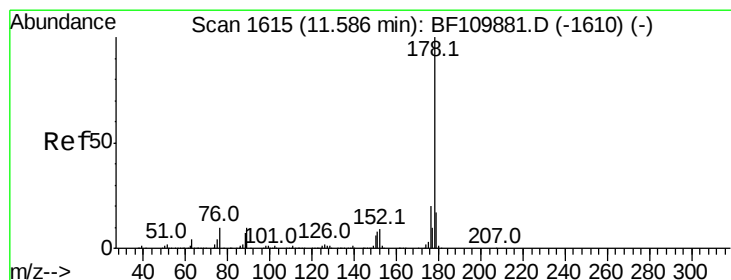
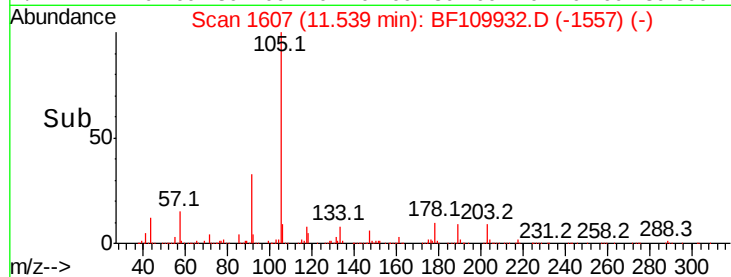
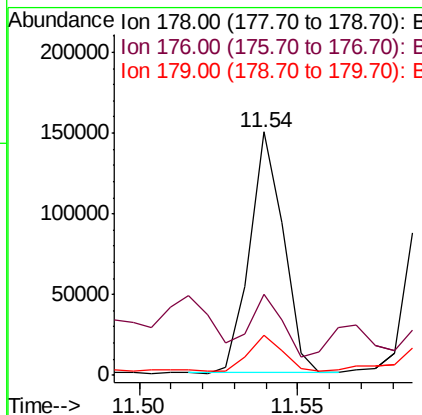
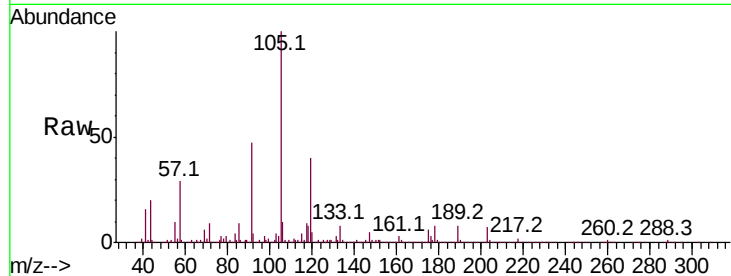
ClientSampleId :

351-SOIL

Tot Ion	Ratio	Lower	Upper
178	100		
176	33.4	15.5	23.3#
179	16.5	12.5	18.7

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#72

Anthracene

Concen: 6.072 ng

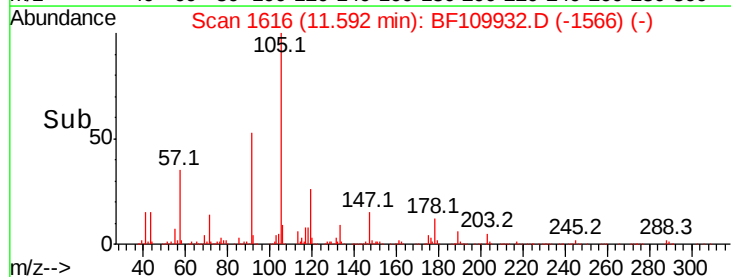
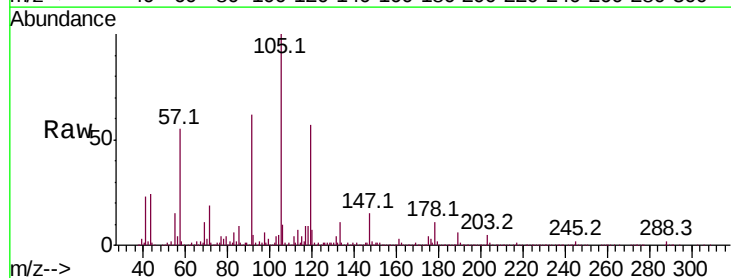
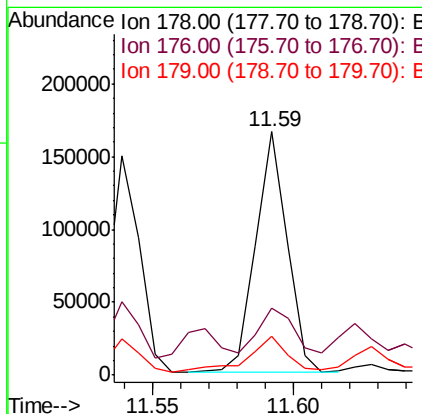
RT: 11.59 min Scan# 1616

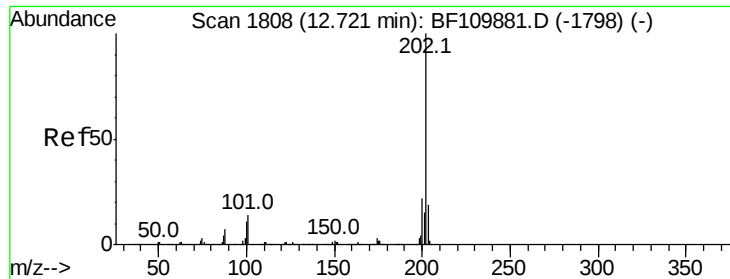
Delta R.T. -0.01 min

Lab File: BF109932.D

Acq: 17 Oct 2018 20:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	27.4	15.4	23.2#
179	16.1	12.6	18.8





#75

Fluoranthene

Concen: 35.798 ng m

RT: 12.75 min Scan# 1813

Delta R.T. 0.02 min

Lab File: BF109932.D

Acq: 17 Oct 2018 20:48

Instrument :

BNA_F

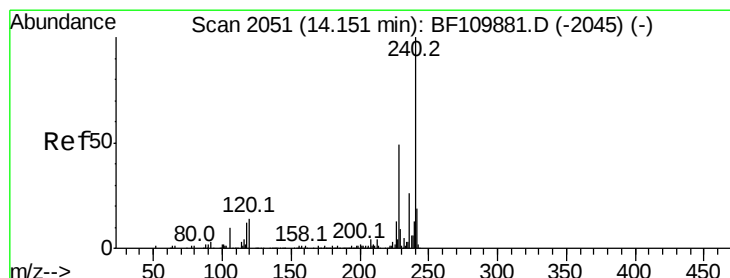
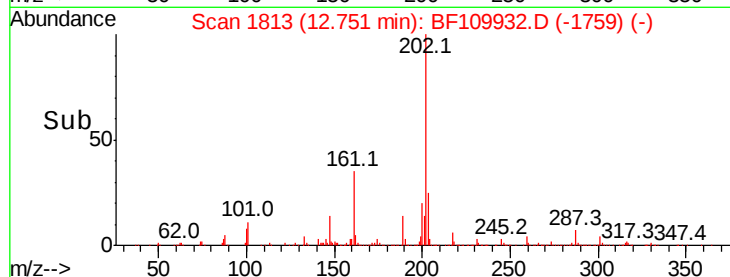
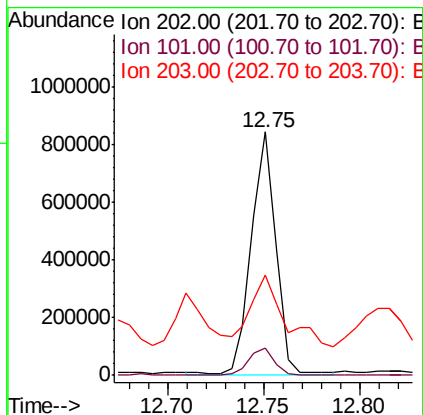
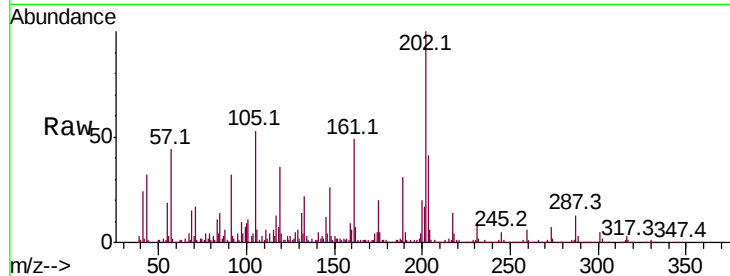
ClientSampleId :

351-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	757977		
101	11.3	0.0	31.4	
203	41.1	0.0	37.7#	

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#76

Chrysene-d12

Concen: 20.000 ng m

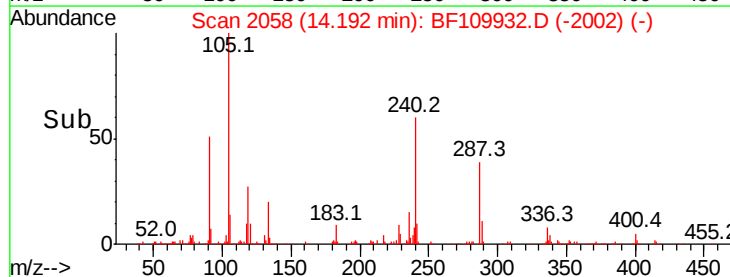
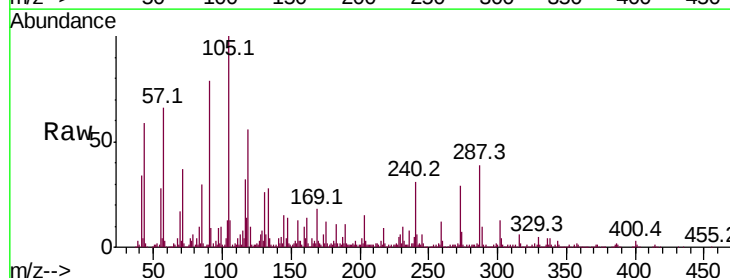
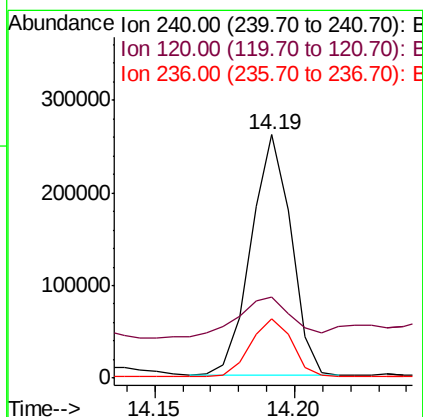
RT: 14.19 min Scan# 2058

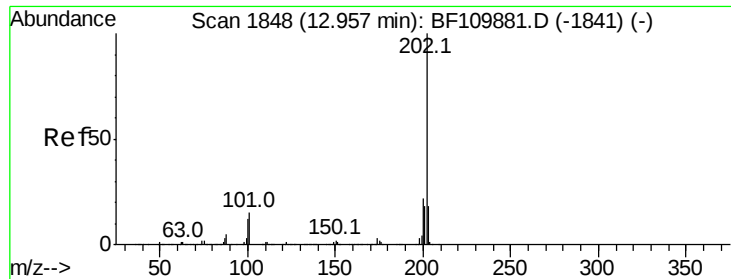
Delta R.T. 0.03 min

Lab File: BF109932.D

Acq: 17 Oct 2018 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	260941		
120	33.4	8.3	12.5#	
236	24.5	21.2	31.8	





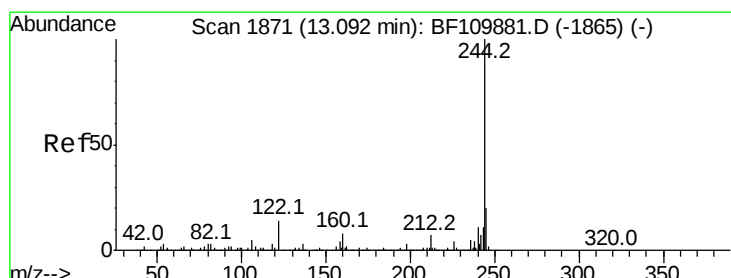
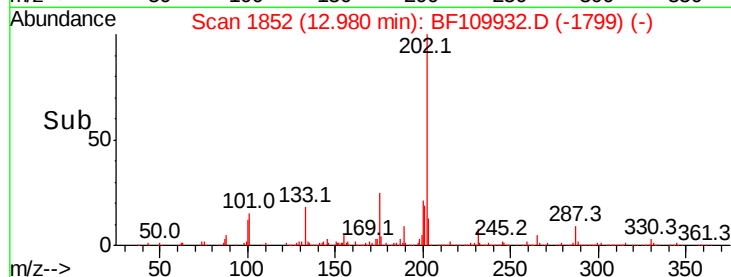
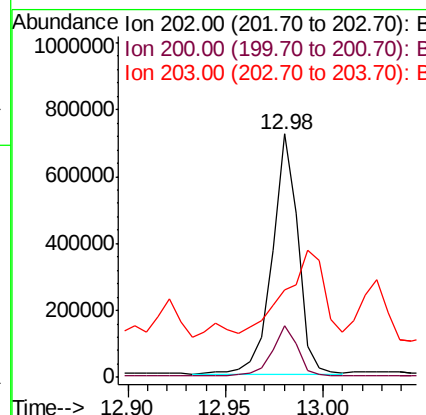
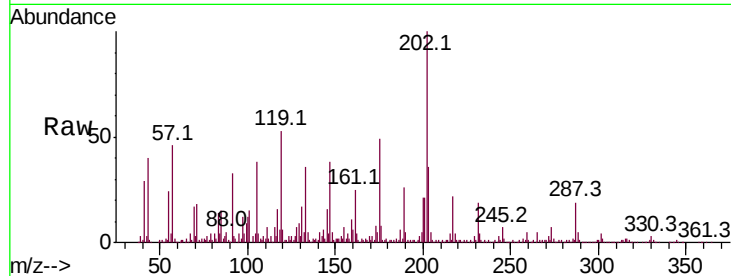
#78
Pvrene
Concen: 34.128 ng
RT: 12.98 min Scan# 1852
Delta R.T. 0.01 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

Instrument :
BNA_F
ClientSampled :
351-SOIL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	17.8	26.6
203	36.1	14.2	21.4

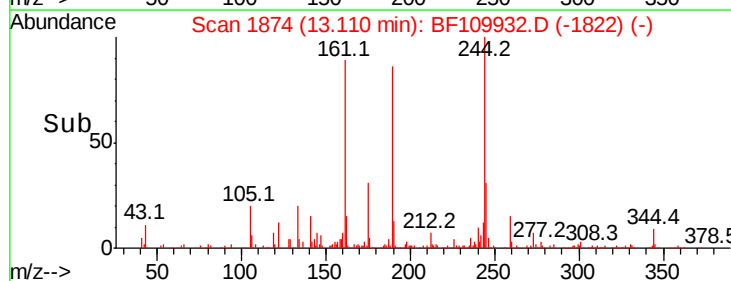
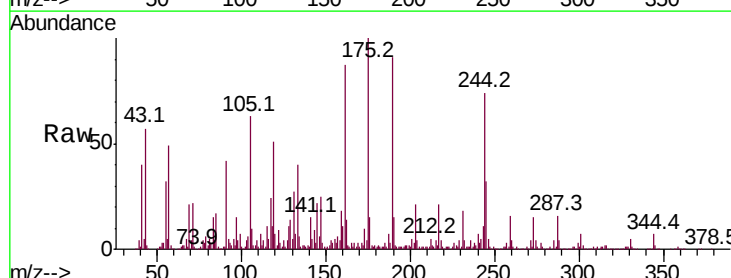
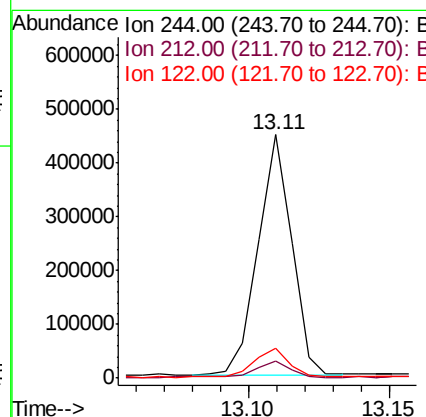
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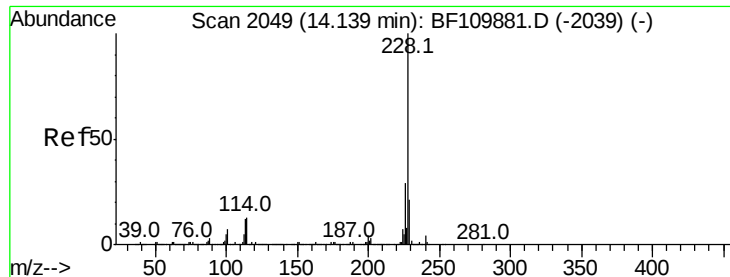
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#79
Terphenyl-d14
Concen: 29.949 ng
RT: 13.11 min Scan# 1874
Delta R.T. 0.01 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	5.8	8.8
122	12.4	8.7	13.1





#81

Benzo(a)anthracene

Concen: 11.061 ng

RT: 14.18 min Scan# 2056

Delta R.T. 0.03 min

Lab File: BF109932.D

Acq: 17 Oct 2018 20:48

Instrument :

BNA_F

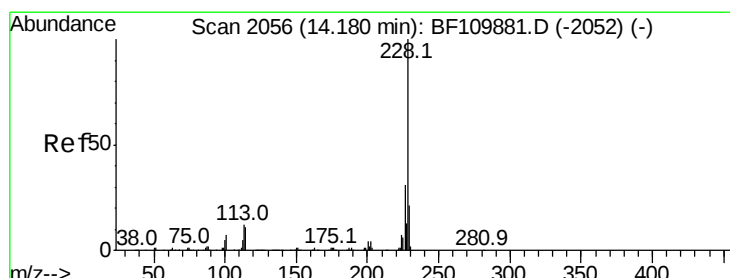
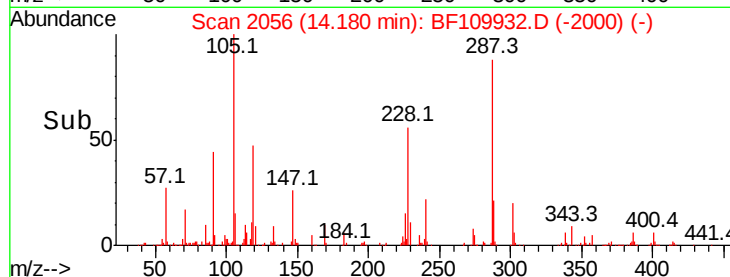
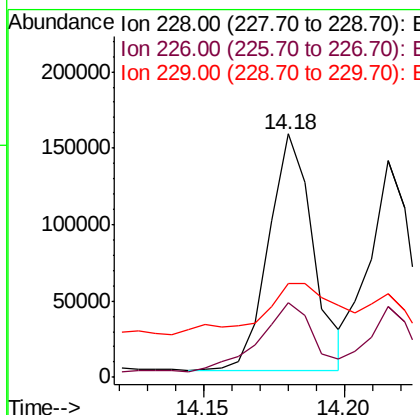
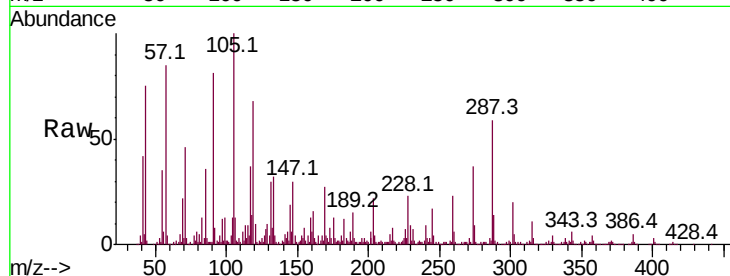
ClientSampled :

351-SOIL

Tot Ion:	228	Resp:	170010
Ion Ratio	Lower	Upper	
228	100		
226	30.9	22.1	33.1
229	38.3	15.6	23.4#

Manual Integrations
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#83

Chrysene

Concen: 9.591 ng m

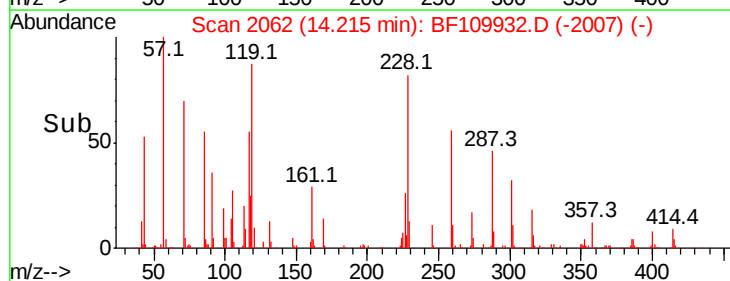
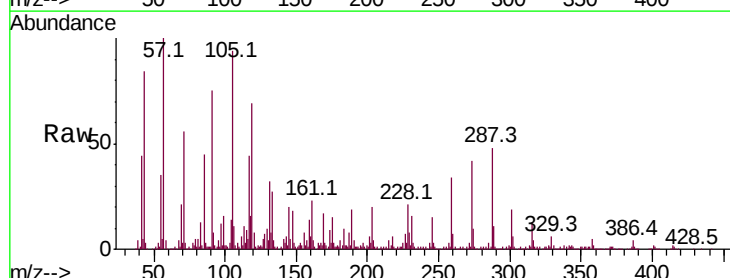
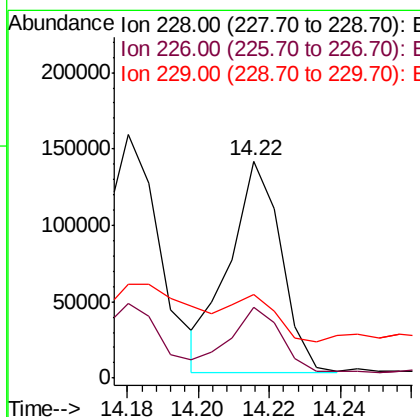
RT: 14.22 min Scan# 2062

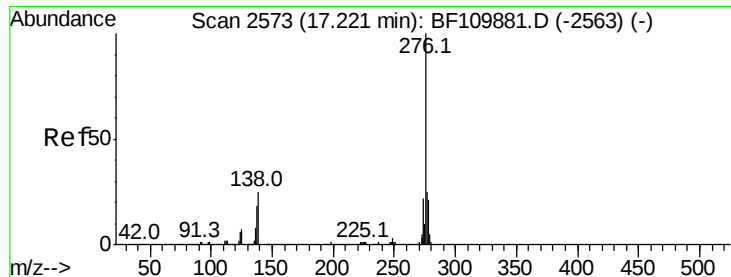
Delta R.T. 0.02 min

Lab File: BF109932.D

Acq: 17 Oct 2018 20:48

Tgt Ion:	228	Resp:	140315
Ion Ratio	Lower	Upper	
228	100		
226	32.7	24.7	37.1
229	38.6	15.9	23.9#





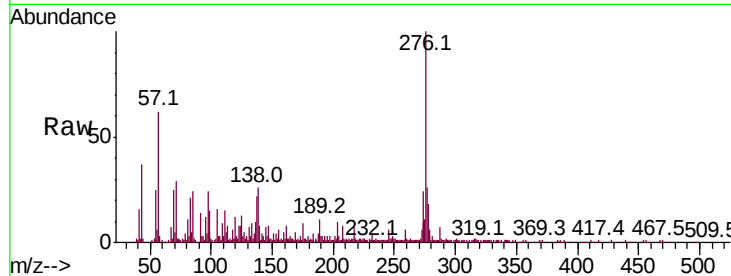
#86
Indeno(1,2,3-cd)pyrene
Concen: 16.482 ng
RT: 17.27 min Scan# 2581
Delta R.T. 0.01 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

Instrument :
BNA_F
ClientSampleId :
351-SOIL

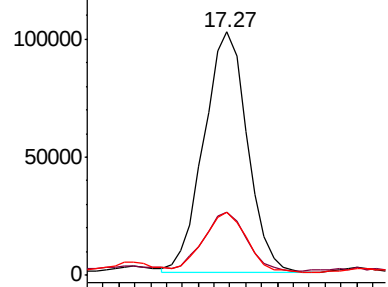
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.1	18.5	27.7
277	24.9	20.0	30.0

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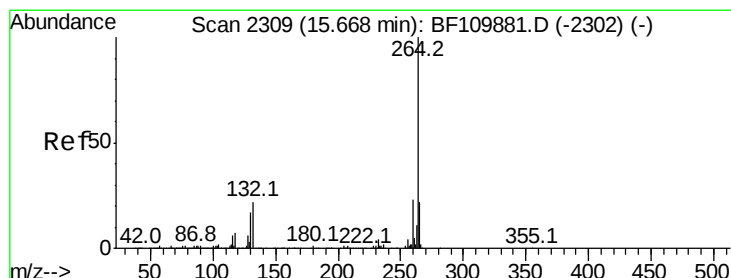
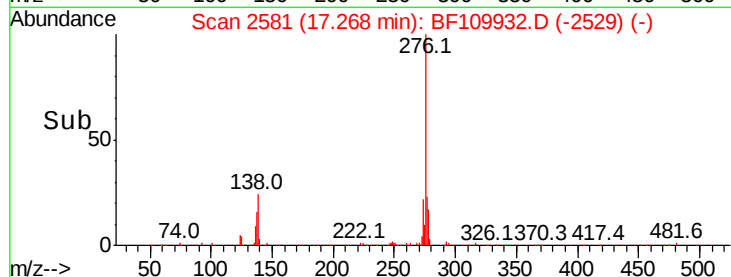
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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

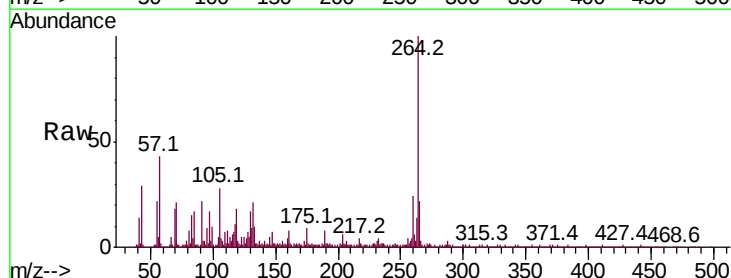


Time-->

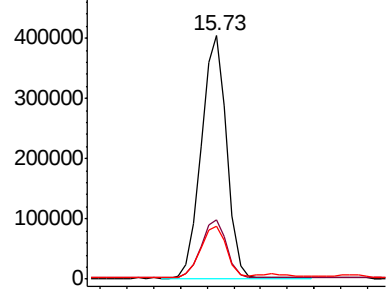


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.73 min Scan# 2319
Delta R.T. 0.04 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

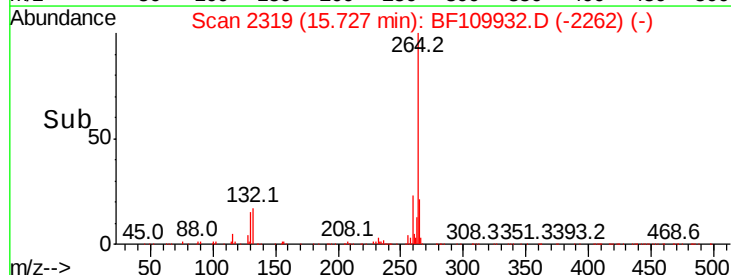
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.7	28.1
265	21.7	16.7	25.1

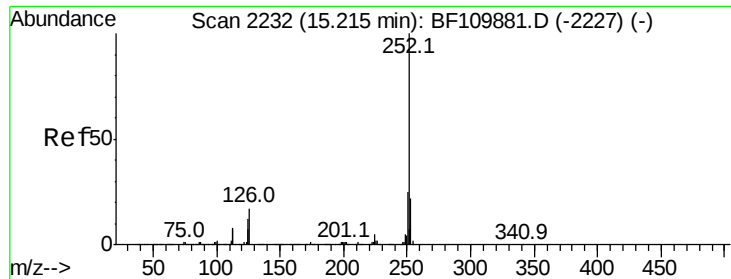


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Time-->





#88

Benzo(b)fluoranthene

Concen: 14.296 ng m

RT: 15.27 min Scan# 2241

Delta R.T. 0.04 min

Lab File: BF109932.D

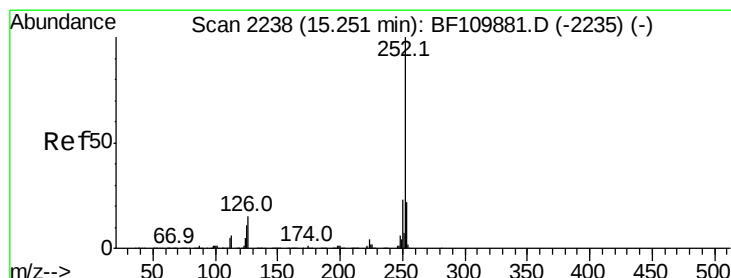
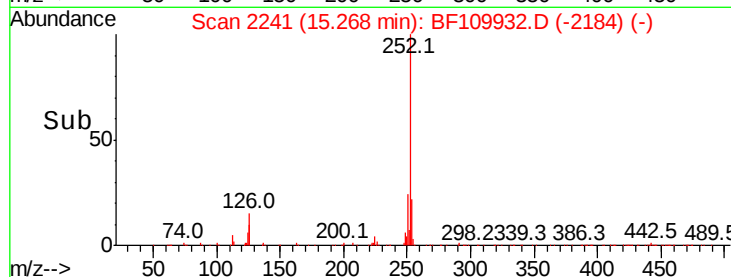
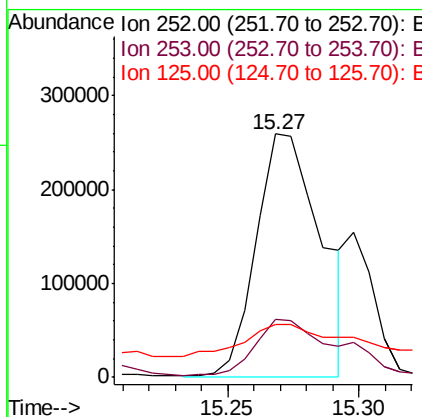
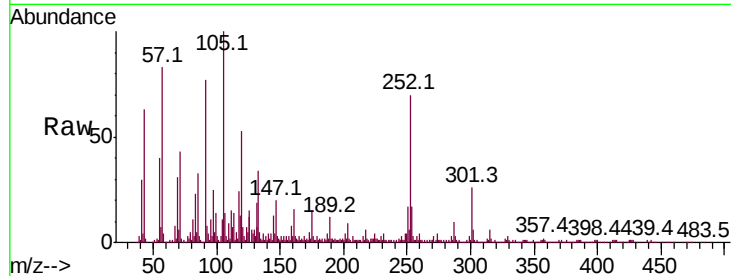
Acq: 17 Oct 2018 20:48

Instrument :
BNA_F
ClientSampleId :
351-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	21.7	8.2	12.4

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#89

Benzo(k)fluoranthene

Concen: 3.779 ng m

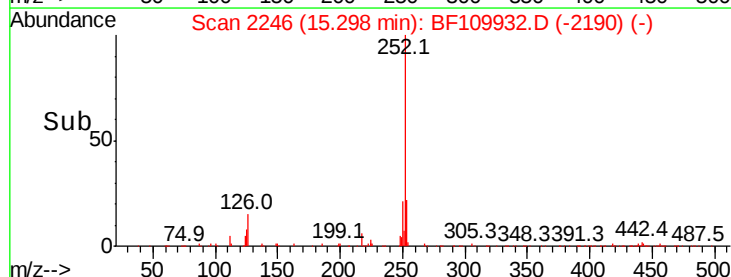
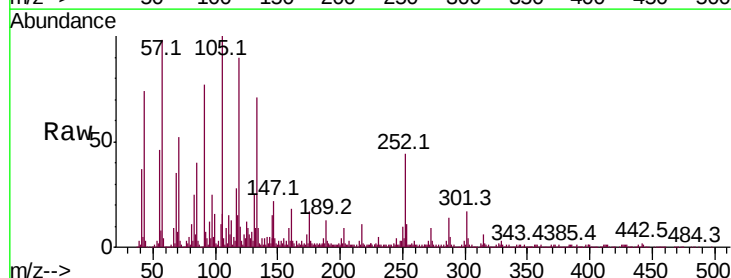
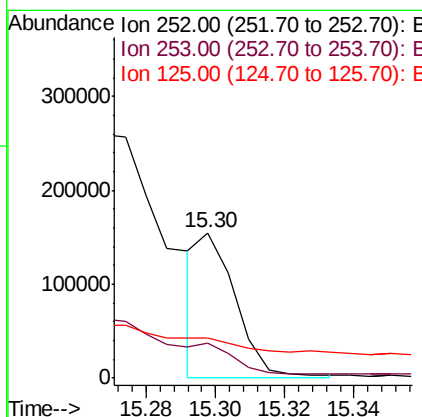
RT: 15.30 min Scan# 2246

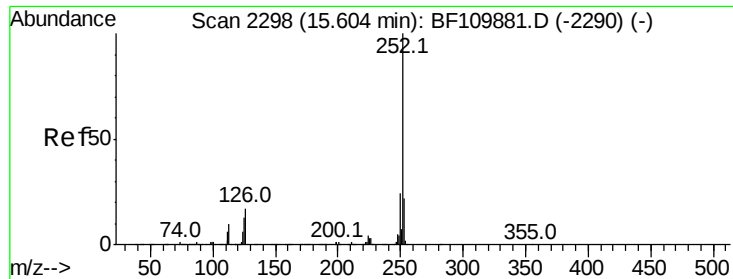
Delta R.T. 0.03 min

Lab File: BF109932.D

Acq: 17 Oct 2018 20:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.2	25.8
125	27.7	7.4	11.0





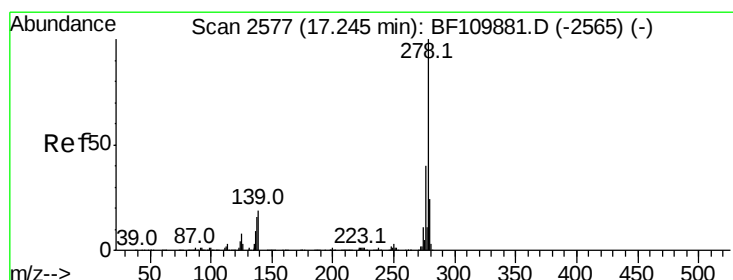
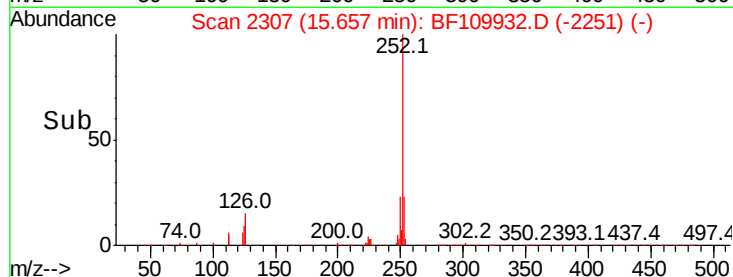
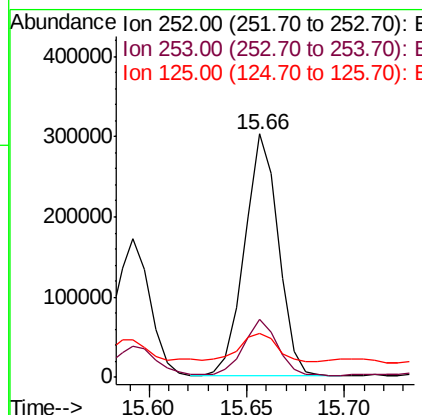
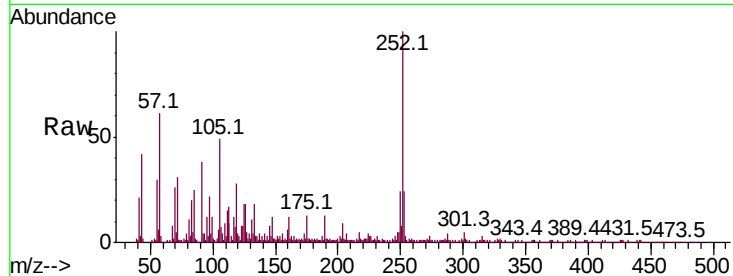
#90
Benzo(a)pyrene
Concen: 12.760 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.03 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

Instrument :
BNA_F
ClientSampleId :
351-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.0	18.2	27.4	
125	18.3	9.0	13.6	

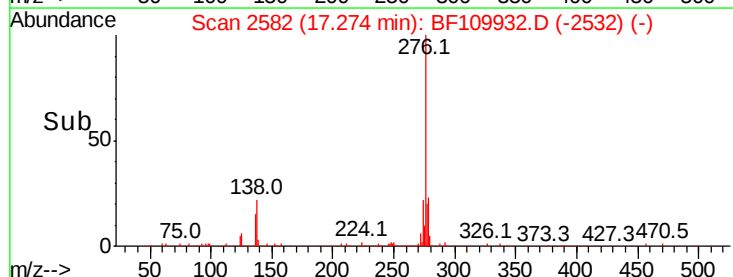
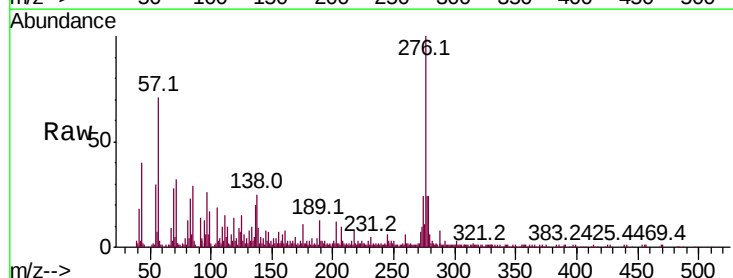
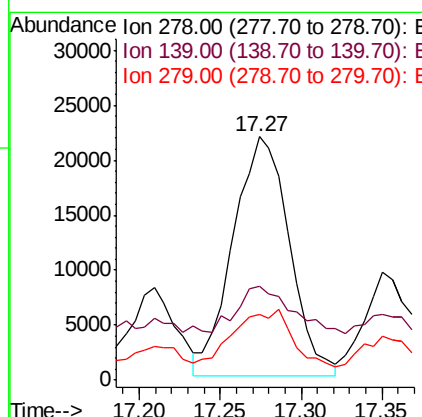
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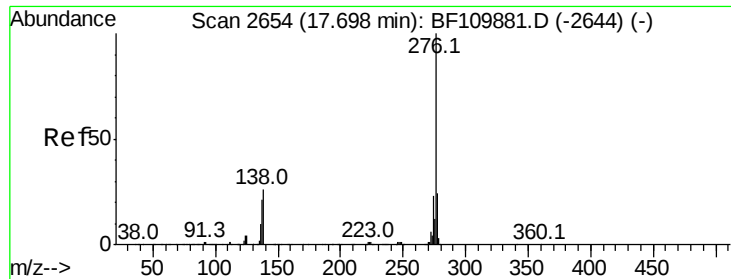
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#91
Dibenzo(a,h)anthracene
Concen: 2.090 ng m
RT: 17.27 min Scan# 2582
Delta R.T. -0.01 min
Lab File: BF109932.D
Acq: 17 Oct 2018 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
278	100			
139	38.3	12.7	19.1	
279	27.0	19.0	28.4	





#92

Benzo(a,h,i)perylene

Concen: 7.490 ng

RT: 17.74 min Scan# 2661

Delta R.T. -0.00 min

Lab File: BF109932.D

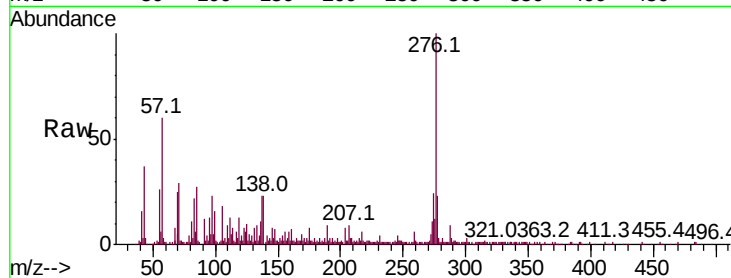
Acq: 17 Oct 2018 20:48

Instrument :

BNA_F

ClientSampleId :

351-SOIL



Tot Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.8	28.2
138	23.4	16.0	24.0

Manual Integrations
APPROVED

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