

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120717\
 Data File : BF101208.D
 Acq On : 7 Dec 2017 16:36
 Operator : SJ/JU
 Sample : I6765-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-SB008A

Manual Integrations
 APPROVED

Sohil
 12/8/2017 11:12:13 AM

Quant Time: Dec 07 19:31:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	52185	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	200305	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	86796	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	144403	20.00	ng	0.00
75) Chrysene-d12	14.02	240	113451	20.00	ng	0.00
86) Perylene-d12	15.50	264	100682	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	470482	148.98	ng	0.00
7) Phenol-d6	6.49	99	576494	150.36	ng	0.00
23) Nitrobenzene-d5	7.41	82	348705	103.85	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	134265	128.77	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	685529	108.06	ng	0.00
78) Terphenyl-d14	12.96	244	528105	101.82	ng	0.00
Target Compounds						
10) Phenol	6.49	94	18855	4.423	ng	87
49) Dimethylphthalate	9.59	163	23692	3.385	ng	# 99
70) Phenanthrene	11.39	178	94373	11.868	ng	96
71) Anthracene	11.45	178	28134	3.496	ng	95
74) Fluoranthene	12.59	202	162518	18.437	ng	95
77) Pyrene	12.82	202	128404	16.402	ng	97
80) Benzo(a)anthracene	14.01	228	66759	9.320	ng	98
82) Chrysene	14.04	228	54701	8.223	ng	99
85) Indeno(1,2,3-cd)pyrene	16.98	276	24297	4.108	ng	# 89
87) Benzo(b)fluoranthene	15.07	252	61057m	10.125	ng	
88) Benzo(k)fluoranthene	15.09	252	25183m	4.239	ng	
89) Benzo(a)pyrene	15.43	252	41796	7.623	ng	97
91) Benzo(a,h,i)perylene	17.43	276	21680	4.760	ng	91

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

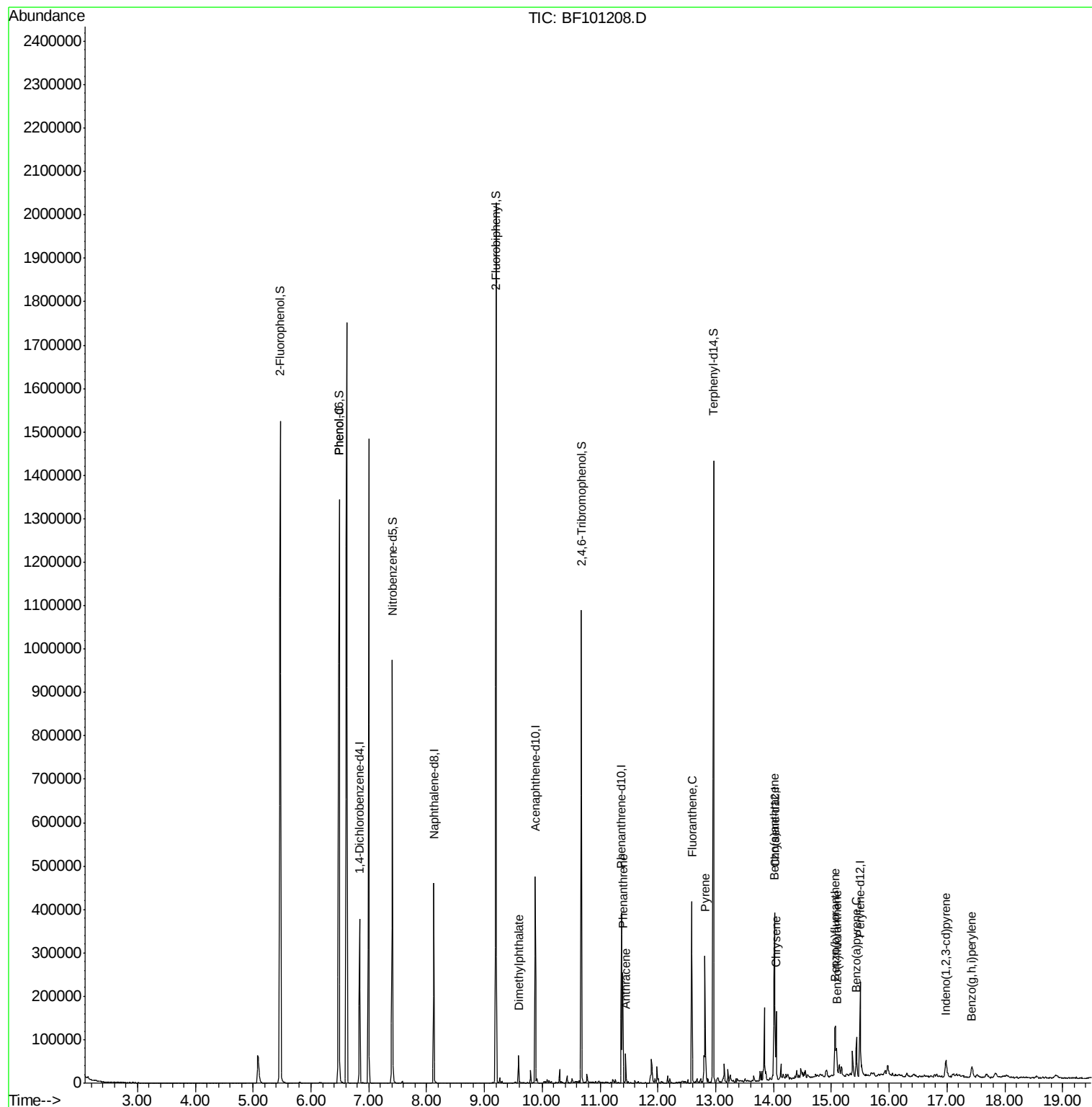
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120717\
Data File : BF101208.D
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Operator : SJ/JU
Sample : I6765-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

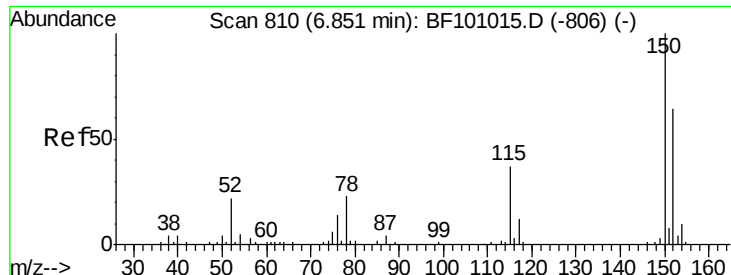
Instrument :
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Quant Time: Dec 07 19:31:20 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
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#1

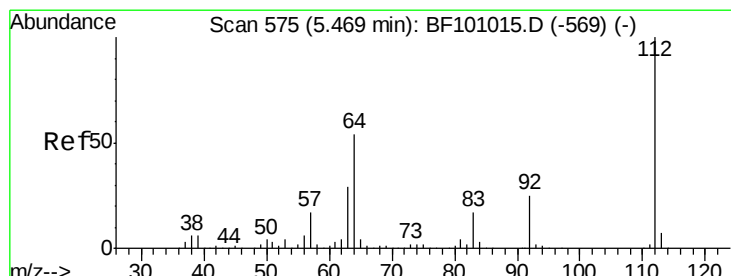
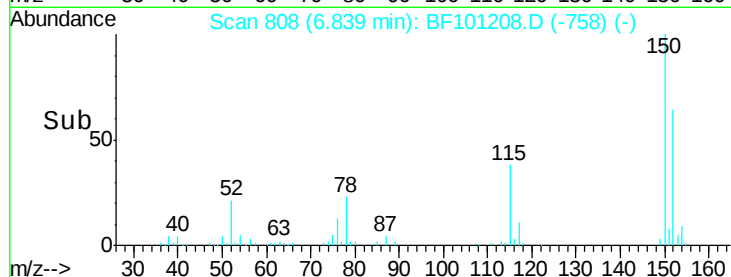
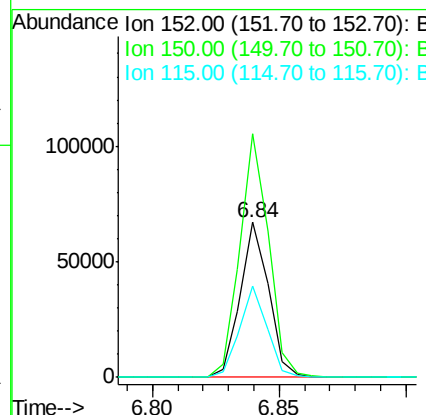
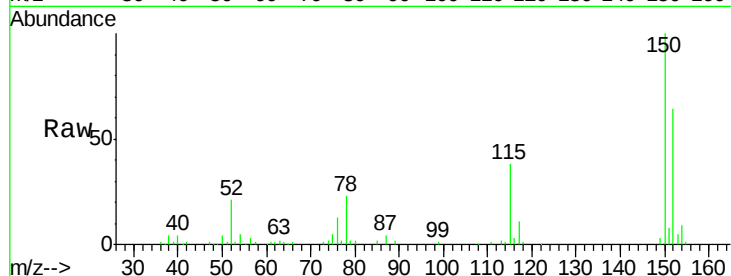
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF101208.D
Acq: 7 Dec 2017 16:36

Instrument :
BNA_F
ClientSampleId :
SOIL-SB008A

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.6	186.8
115	59.1	50.1	75.1

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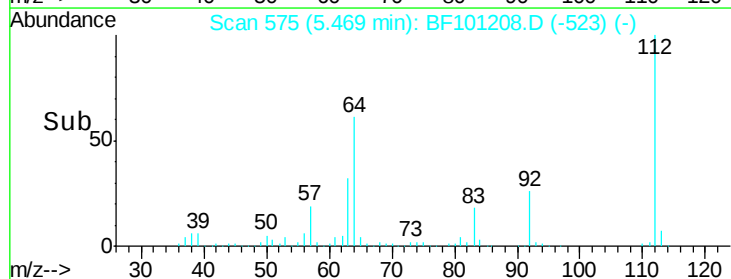
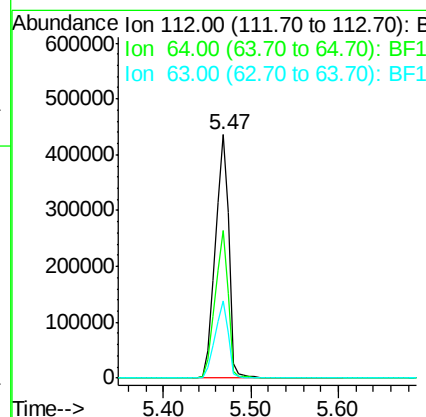
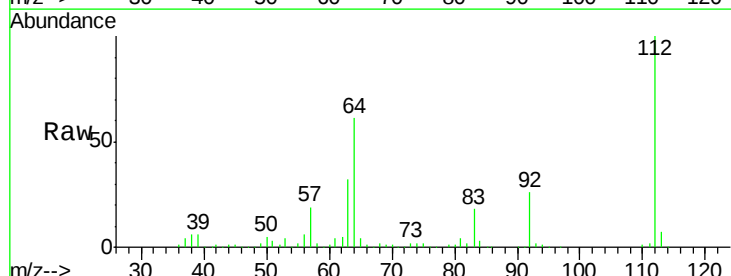
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#5

2-Fluorophenol
Concen: 148.979 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF101208.D
Acq: 7 Dec 2017 16:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	47.9	71.9
63	31.6	23.7	35.5





#7

Phenol-d6

Concen: 150.357 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF101208.D

Acq: 7 Dec 2017 16:36

Instrument :

BNA_F

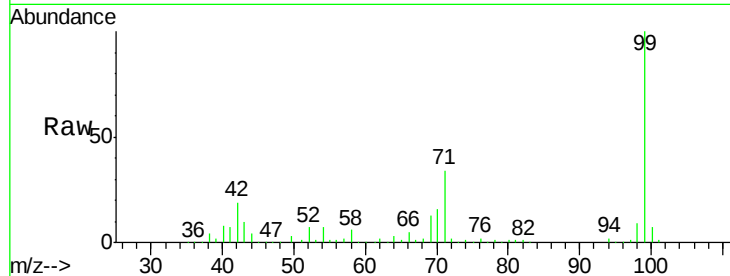
ClientSampleId :

SOIL-SB008A

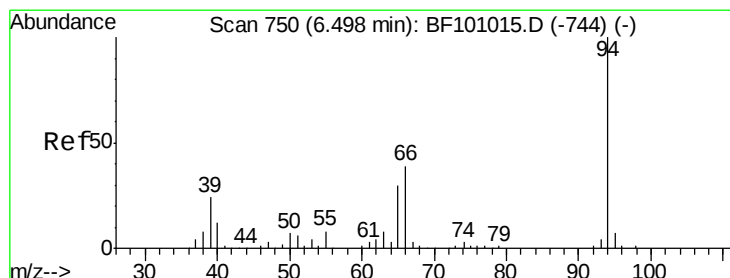
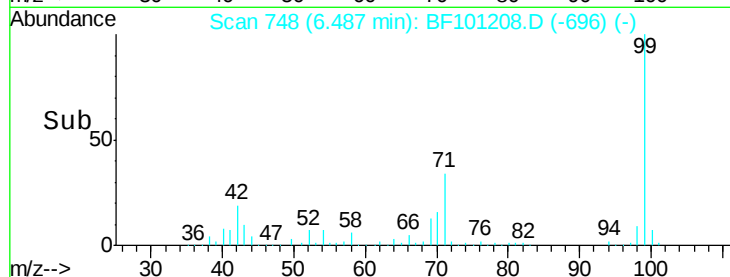
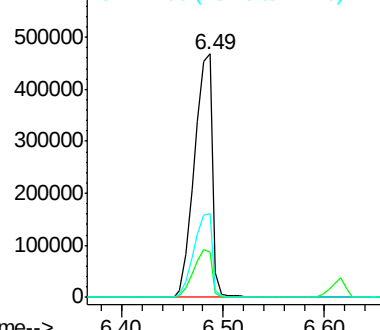
Tot Ion:	99	Resp:	576494
Ion Ratio	Lower	Upper	
99	100		
42	18.7	14.5	21.7
71	34.1	25.4	38.0

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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: 4.423 ng

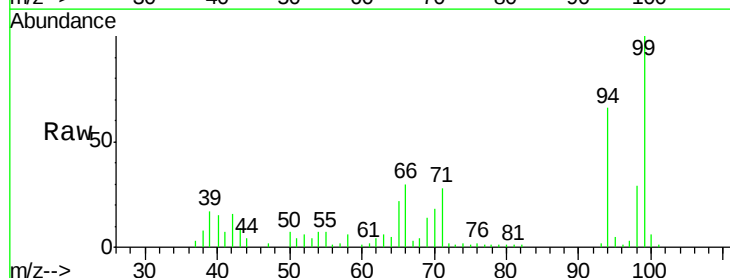
RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

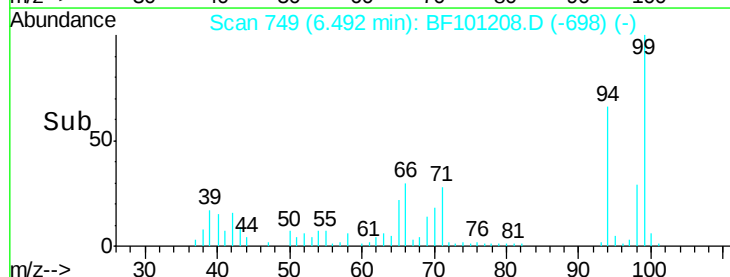
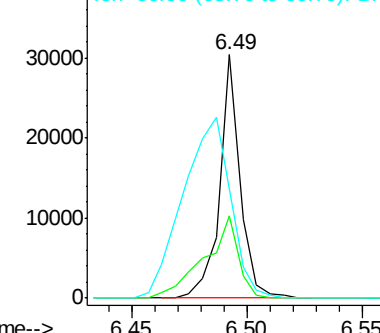
Lab File: BF101208.D

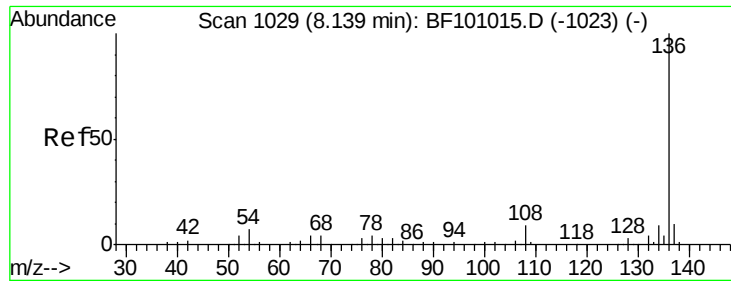
Acq: 7 Dec 2017 16:36

Tgt Ion:	94	Resp:	18855
Ion Ratio	Lower	Upper	
94	100		
65	33.7	7.9	47.9
66	45.0	16.2	56.2



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





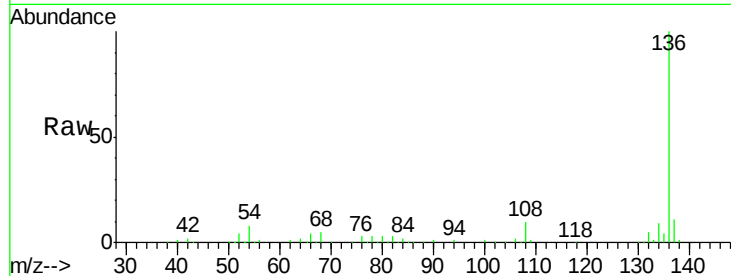
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF101208.D
Acq: 7 Dec 2017 16:36

Instrument :
BNA_F
ClientSampleId :
SOIL-SB008A

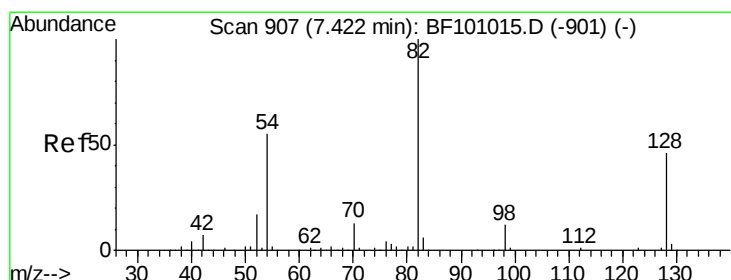
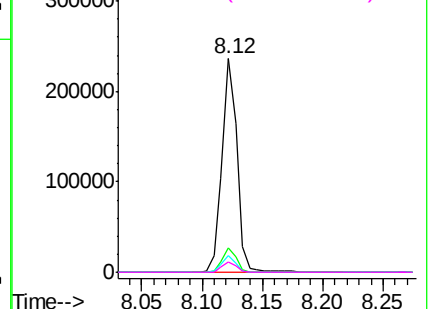
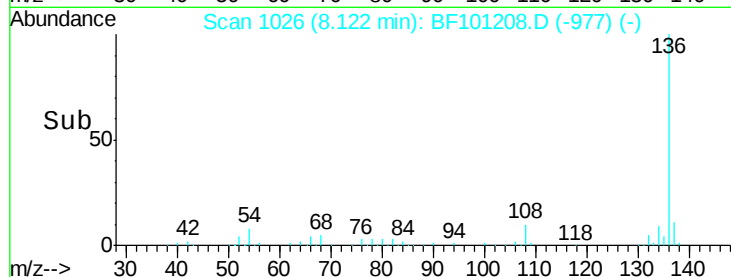
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		200305		
137	11.3		8.9	13.3	
54	7.8		6.6	9.8	
68	5.0		5.0	7.4	

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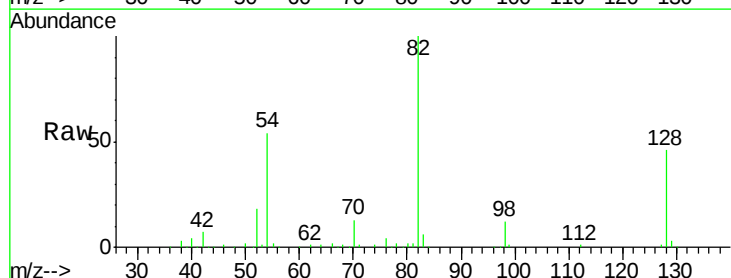


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

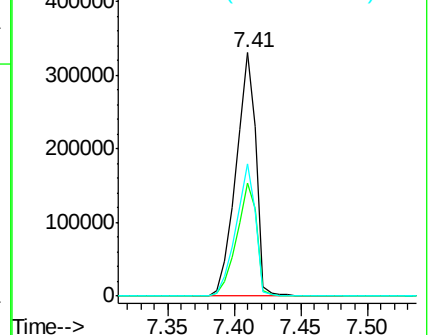
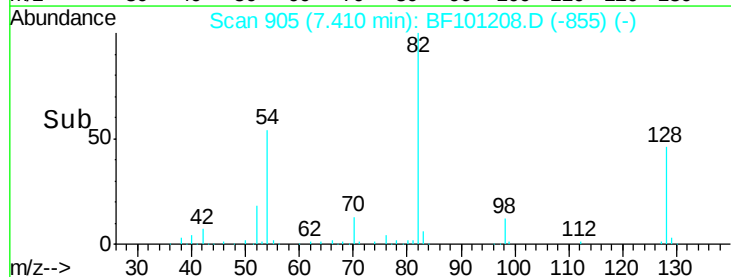


#23
Nitrobenzene-d5
Concen: 103.848 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101208.D
Acq: 7 Dec 2017 16:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		348705		
128	46.3		36.1	54.1	
54	54.2		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





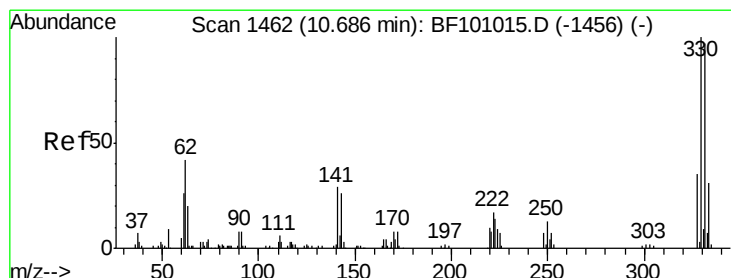
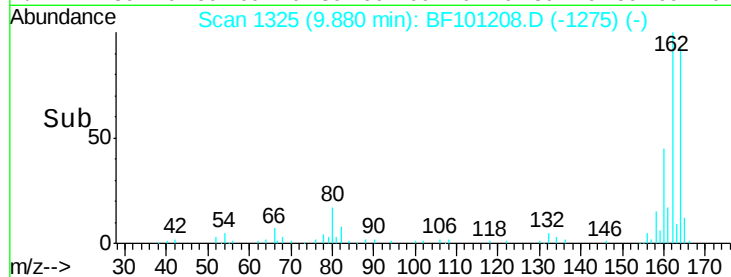
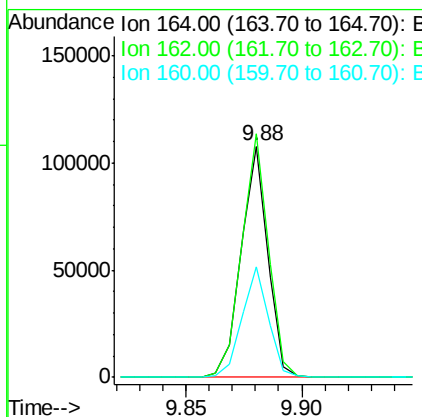
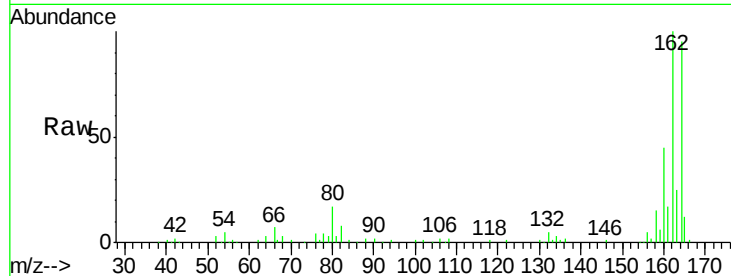
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF101208.D
 Acq: 7 Dec 2017 16:36

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-SB008A

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.3	86.1	129.1
160	47.8	38.3	57.5

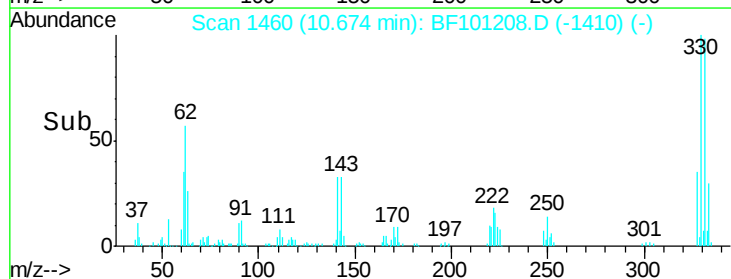
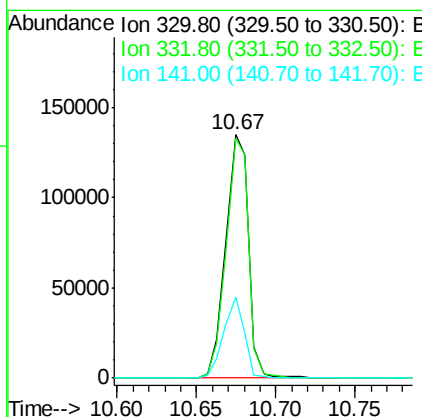
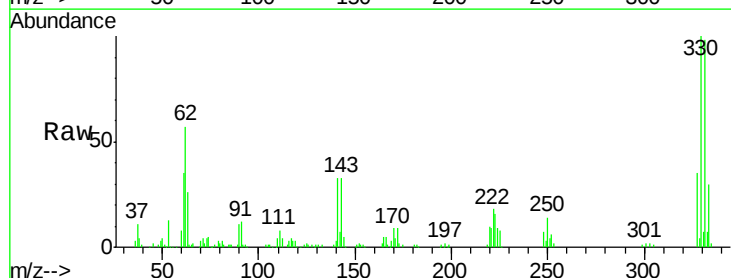
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#41
 2,4,6-Tribromophenol
 Concen: 128.771 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF101208.D
 Acq: 7 Dec 2017 16:36

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	30.0	29.9	44.9





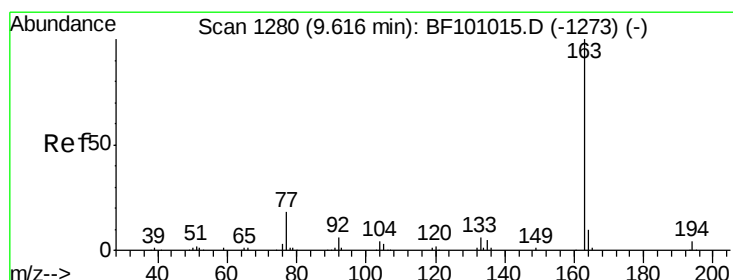
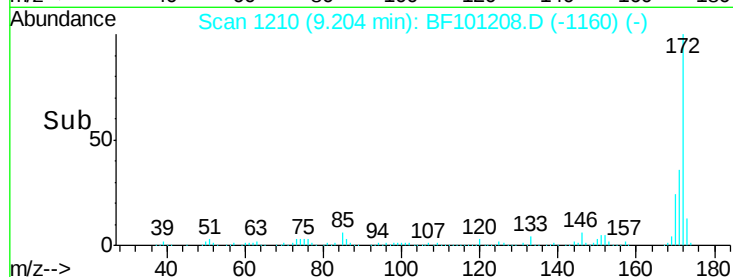
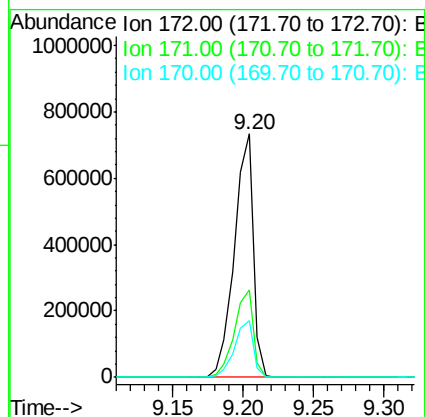
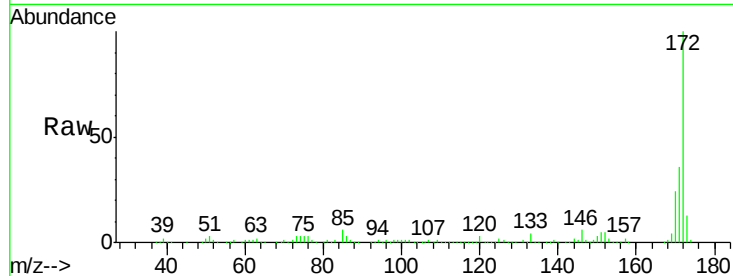
#44
2-Fluorobiphenyl
Concen: 108.063 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF101208.D
Acq: 7 Dec 2017 16:36

Instrument :
BNA_F
ClientSampleId :
SOIL-SB008A

Tot Ion	Ratio	Resp	Lower	Upper
172	100	685529		
171	36.1		29.7	44.5
170	23.6		19.6	29.4

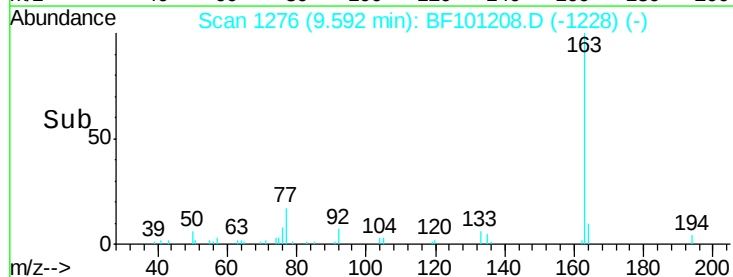
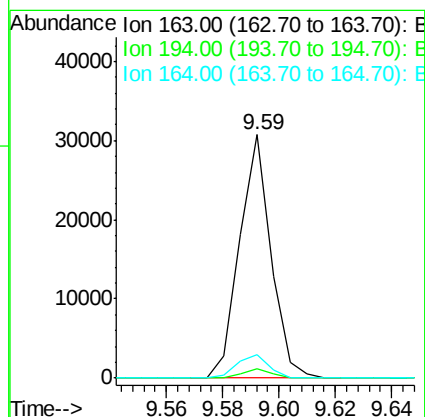
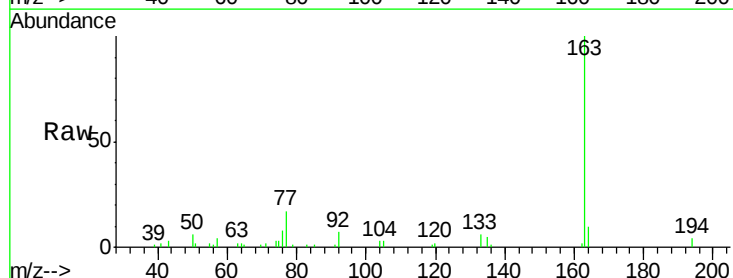
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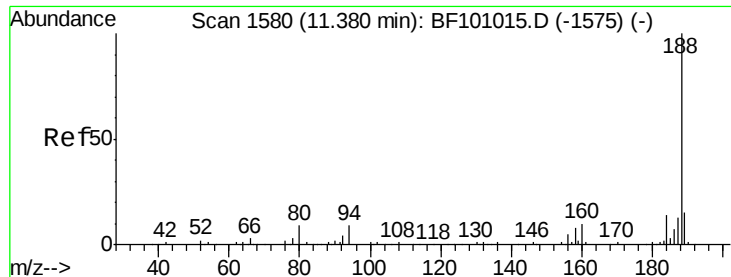
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#49
Dimethylphthalate
Concen: 3.385 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF101208.D
Acq: 7 Dec 2017 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	23692		
194	4.1		2.7	4.1#
164	9.9		8.2	12.2





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF101208.D

Acq: 7 Dec 2017 16:36

Instrument :

BNA_F

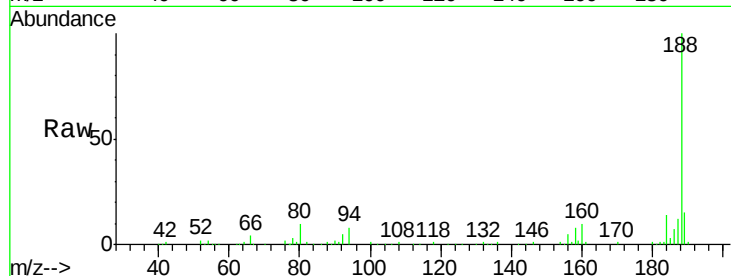
ClientSampleId :

SOIL-SB008A

Tot Ion:	188	Resp:	144403
Ion Ratio	Lower	Upper	
188	100		
94	8.4	8.5	12.7#
80	9.5	9.2	13.8

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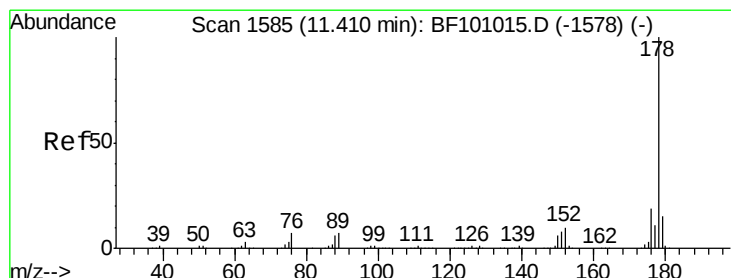
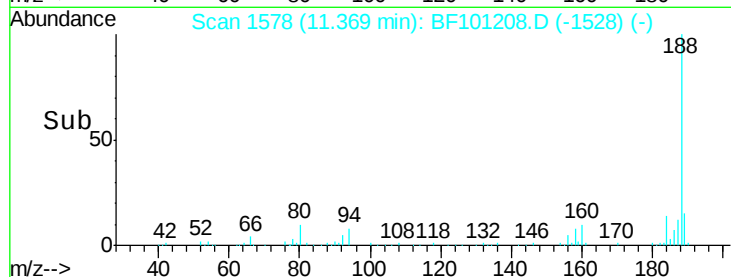
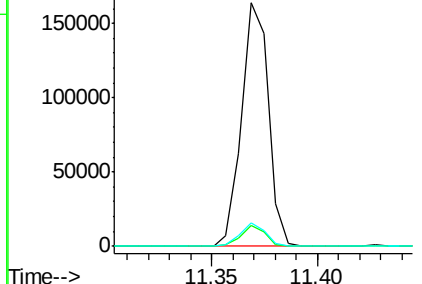
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#70

Phenanthrene

Concen: 11.868 ng

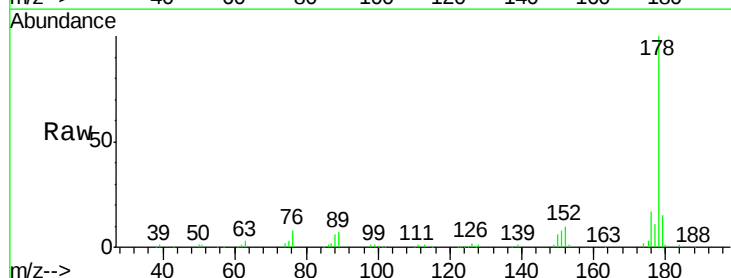
RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF101208.D

Acq: 7 Dec 2017 16:36

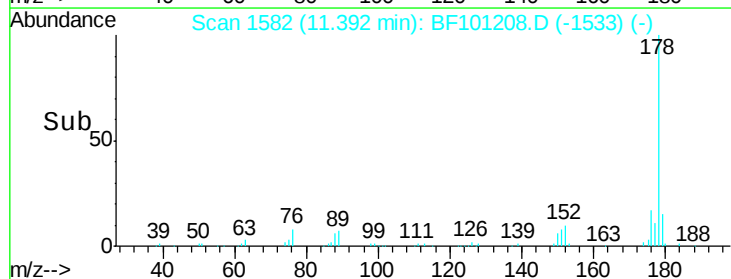
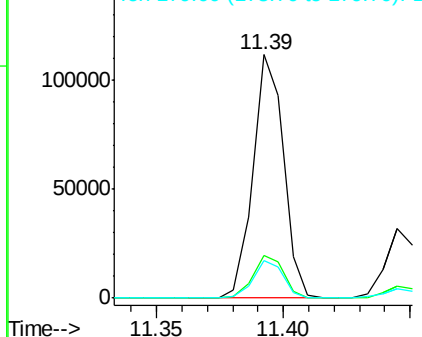
Tgt Ion:	178	Resp:	94373
Ion Ratio	Lower	Upper	
178	100		
176	17.4	15.8	23.8
179	15.3	13.0	19.6

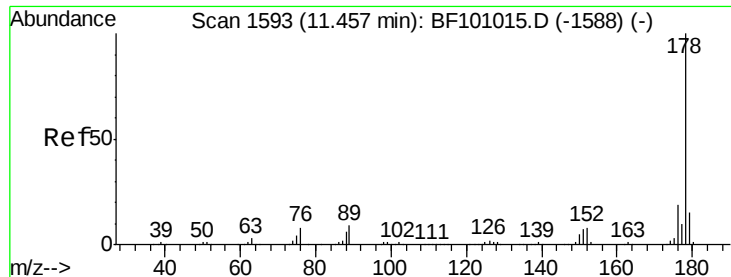


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





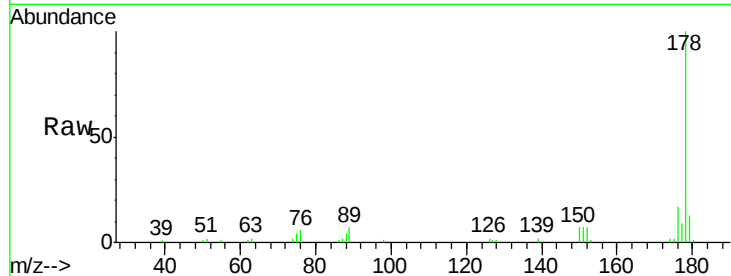
#71
 Anthracene
 Concen: 3.496 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: BF101208.D
 Acq: 7 Dec 2017 16:36

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-SB008A

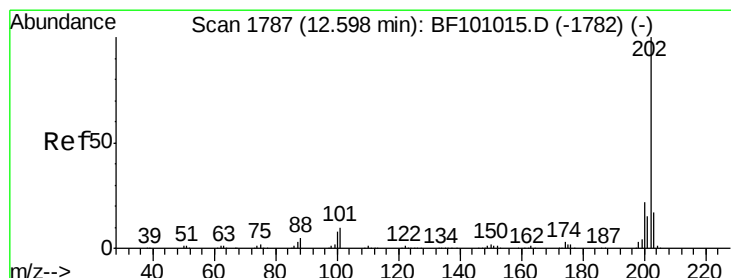
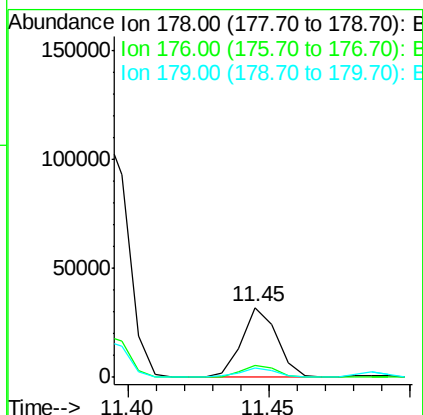
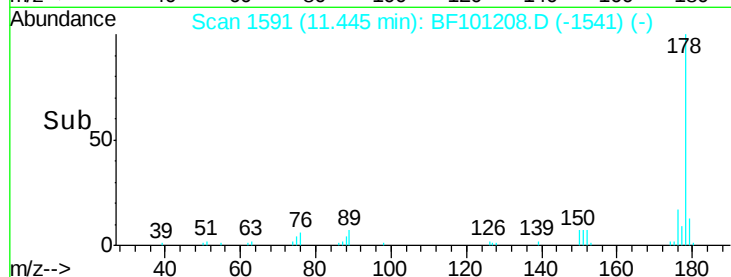
Tot Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.4	23.2
179	13.4	12.6	19.0

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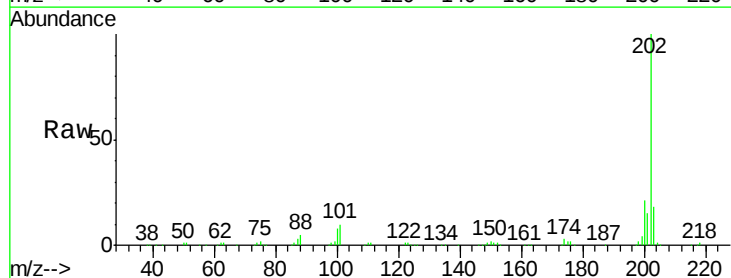


Abundance Ion 178.00 (177.70 to 178.70): E
 150000 Ion 176.00 (175.70 to 176.70): E
 100000 Ion 179.00 (178.70 to 179.70): E

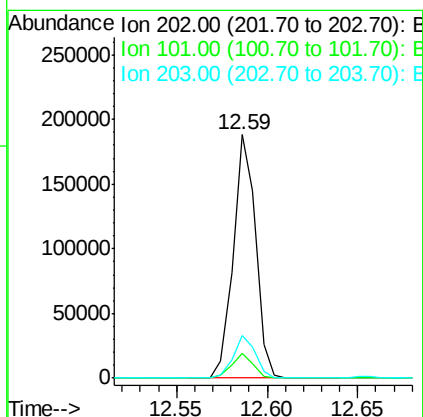
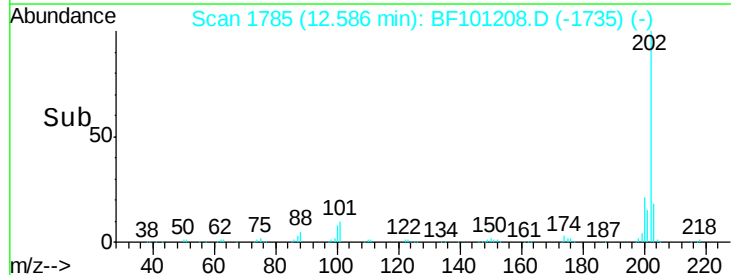


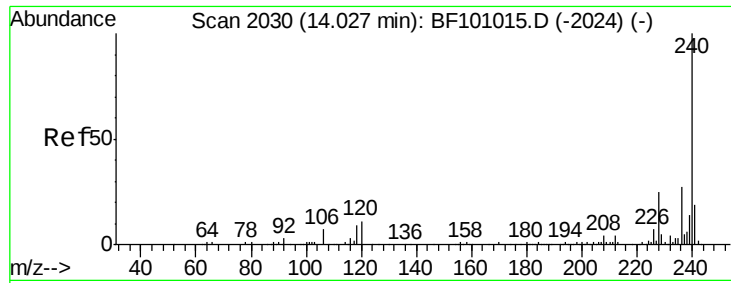
#74
 Fluoranthene
 Concen: 18.437 ng
 RT: 12.59 min Scan# 1785
 Delta R.T. -0.01 min
 Lab File: BF101208.D
 Acq: 7 Dec 2017 16:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	34.1
203	17.5	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 250000 Ion 101.00 (100.70 to 101.70): E
 200000 Ion 203.00 (202.70 to 203.70): E





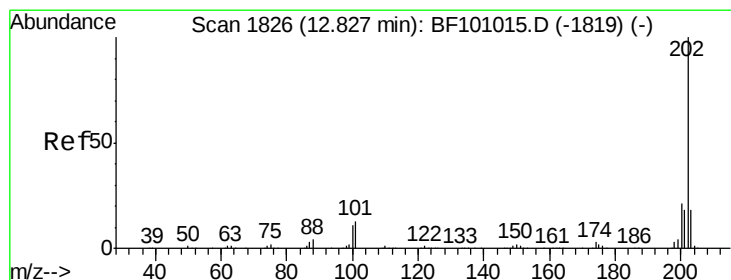
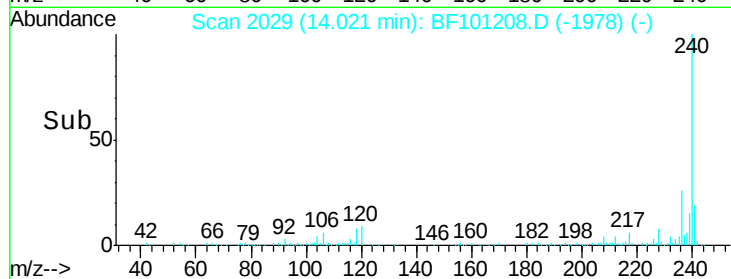
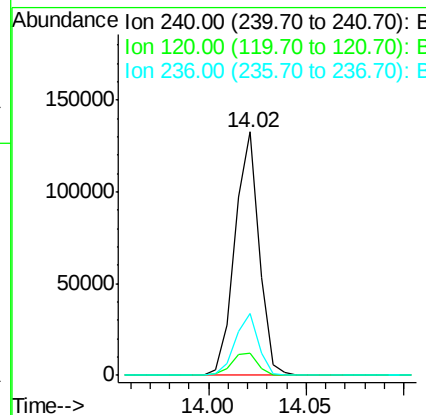
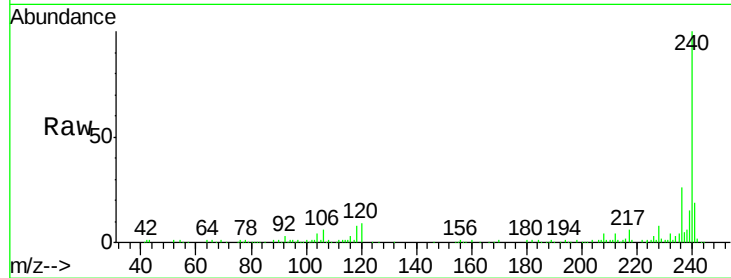
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BF101208.D
Acq: 7 Dec 2017 16:36

Instrument :
BNA_F
ClientSampleId :
SOIL-SB008A

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.0	9.5	14.3
236	25.6	20.7	31.1

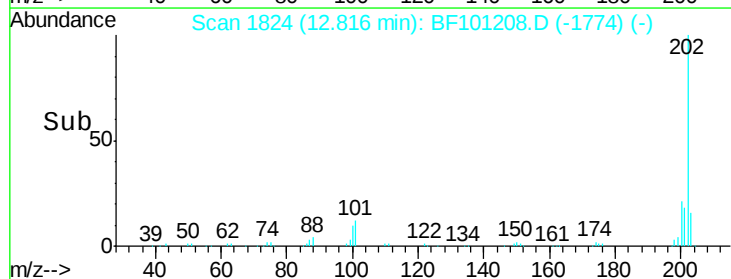
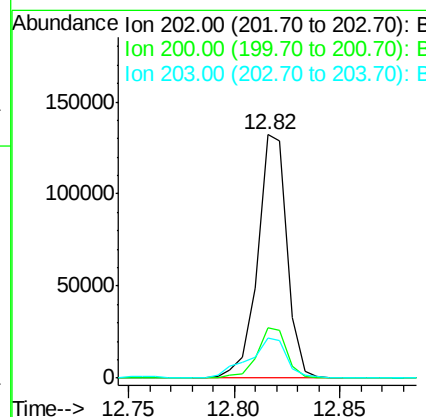
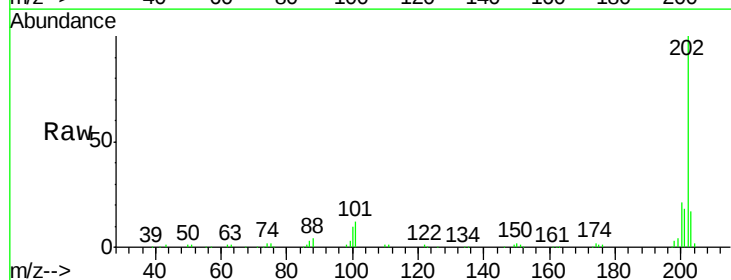
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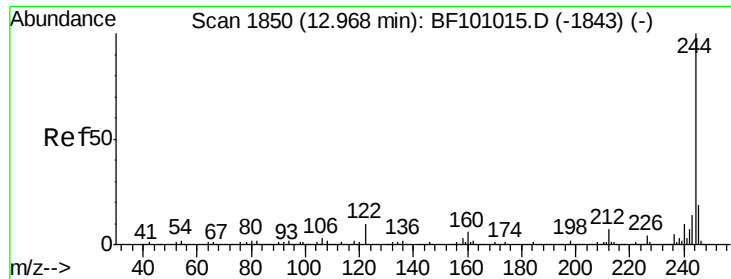
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#77
Pyrene
Concen: 16.402 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF101208.D
Acq: 7 Dec 2017 16:36

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.4	26.2
203	16.7	14.3	21.5





#78

Terphenyl-d14

Concen: 101.815 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.00 min

Lab File: BF101208.D

Acq: 7 Dec 2017 16:36

Instrument :

BNA_F

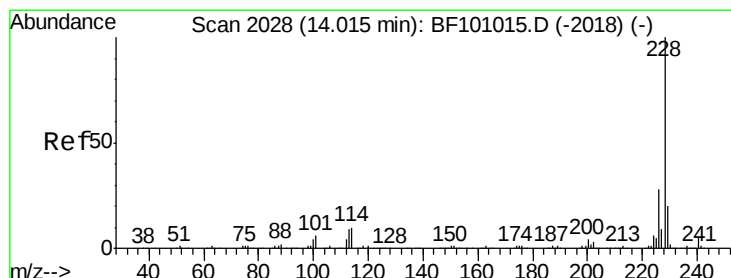
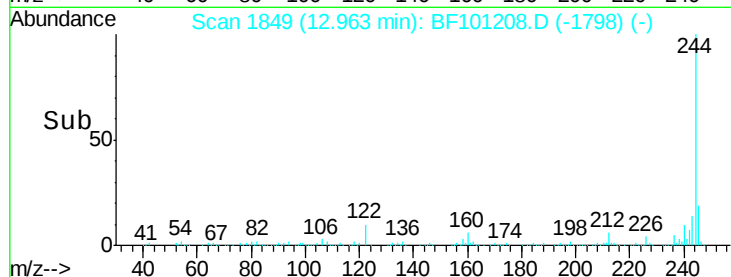
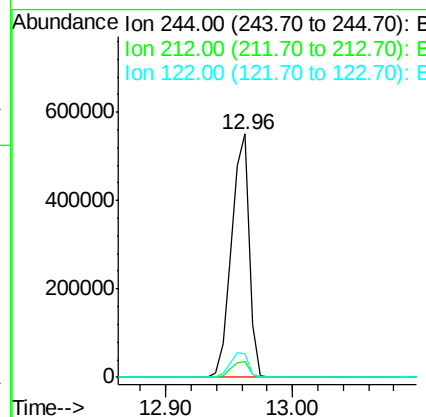
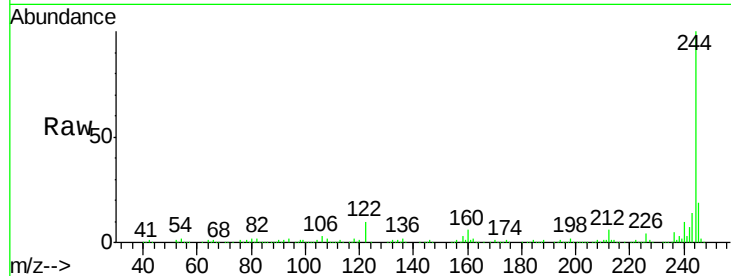
ClientSampleId :

SOIL-SB008A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.4	8.0
122	9.6	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 9.320 ng

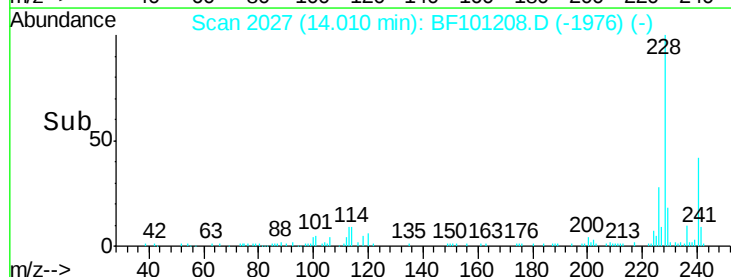
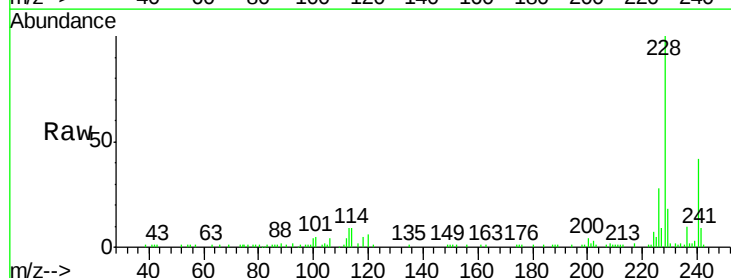
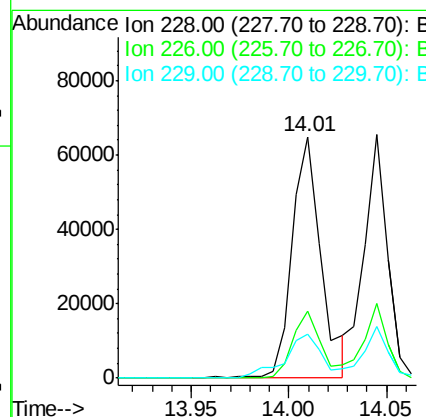
RT: 14.01 min Scan# 2027

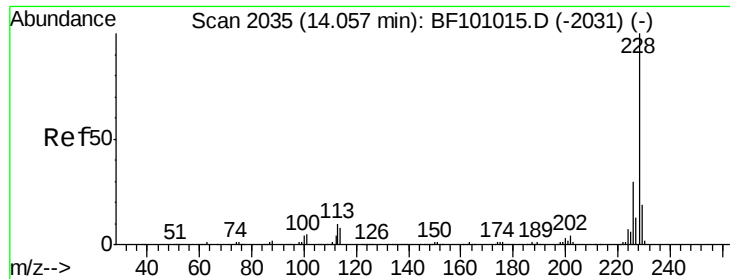
Delta R.T. 0.00 min

Lab File: BF101208.D

Acq: 7 Dec 2017 16:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	18.1	15.8	23.6





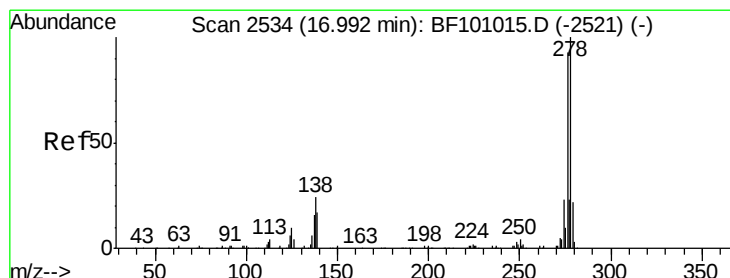
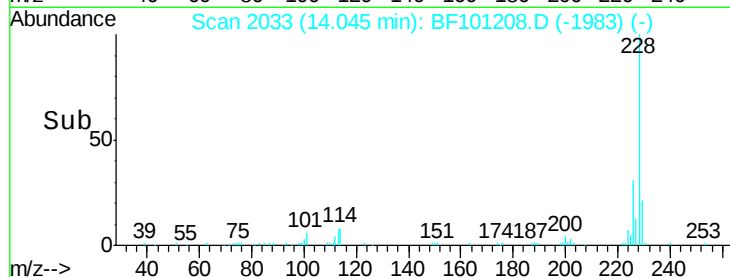
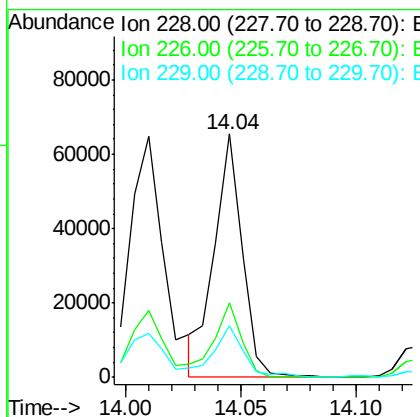
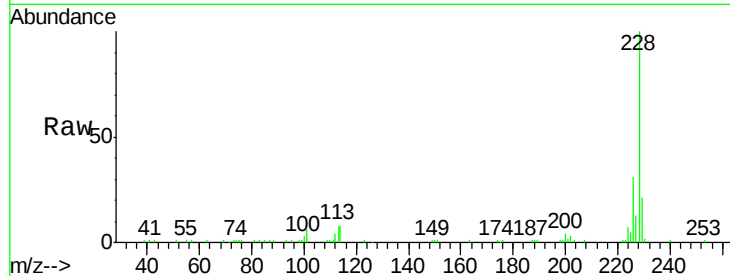
#82
Chrysene
Concen: 8.223 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF101208.D
Acq: 7 Dec 2017 16:36

Instrument :
BNA_F
ClientSampleId :
SOIL-SB008A

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	21.0	16.2	24.4

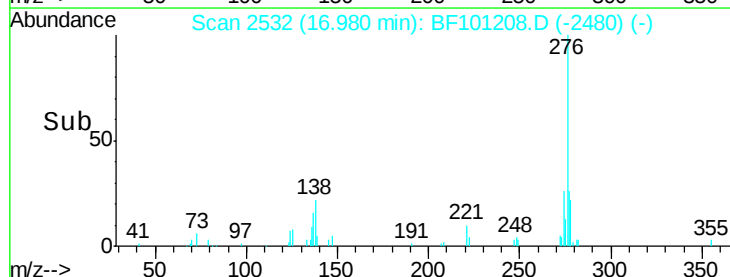
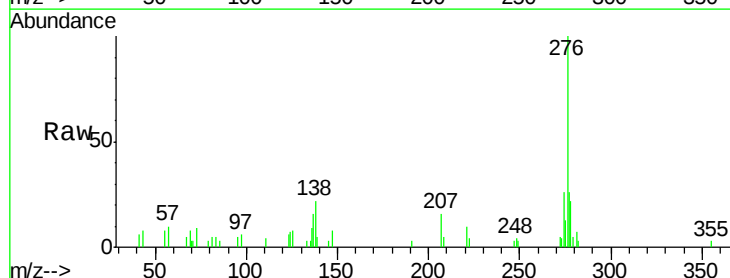
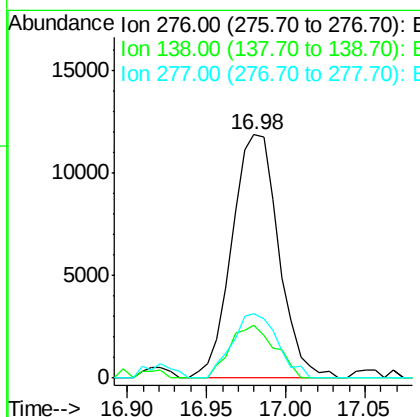
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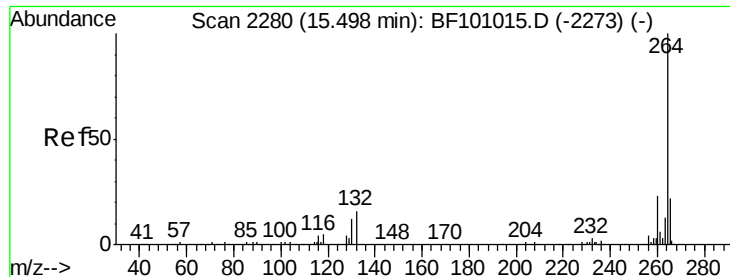
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.108 ng
RT: 16.98 min Scan# 2532
Delta R.T. 0.01 min
Lab File: BF101208.D
Acq: 7 Dec 2017 16:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.8	25.0	37.6#
277	25.5	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BF101208.D

Acq: 7 Dec 2017 16:36

Instrument :

BNA_F

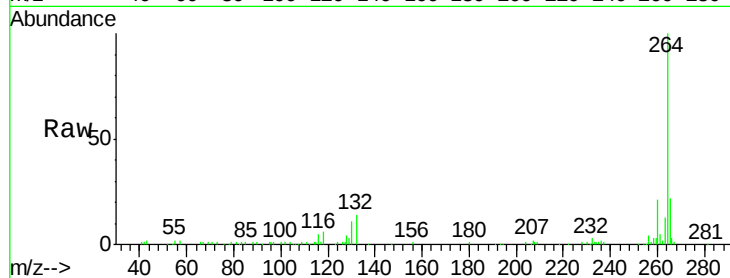
ClientSampleId :

SOIL-SB008A

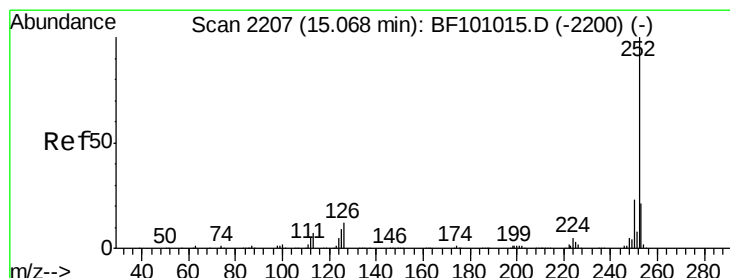
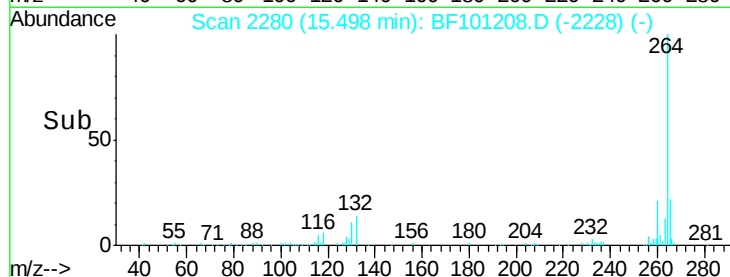
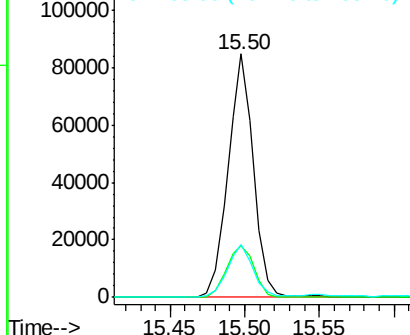
Tot Ion:	264	Resp:	100682
Ion Ratio		Lower	Upper
264	100		
260	21.4	19.2	28.8
265	21.6	17.5	26.3

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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



#87

Benzo(b)fluoranthene

Concen: 10.125 ng m

RT: 15.07 min Scan# 2207

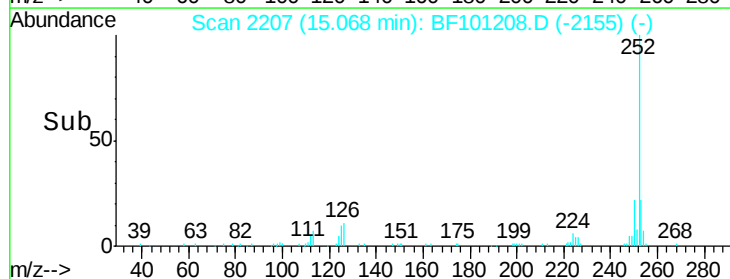
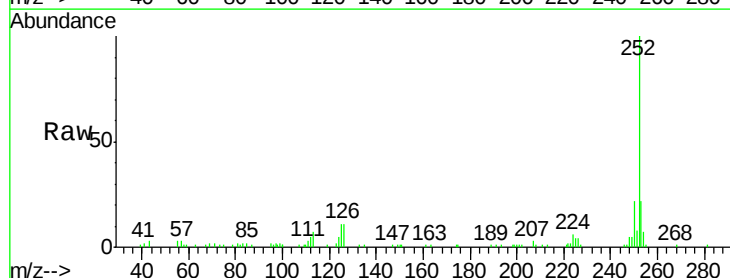
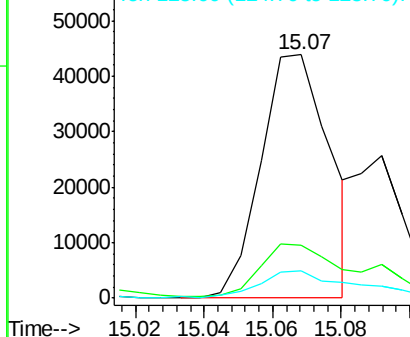
Delta R.T. 0.01 min

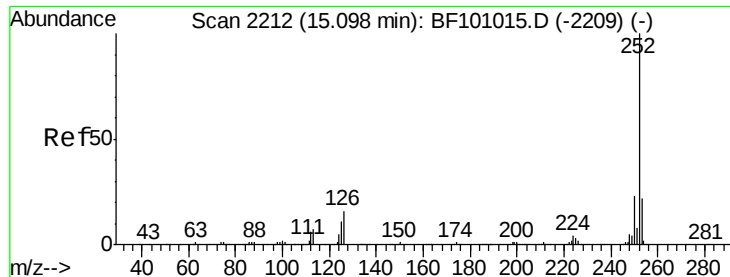
Lab File: BF101208.D

Acq: 7 Dec 2017 16:36

Tgt Ion:	252	Resp:	61057
Ion Ratio		Lower	Upper
252	100		
253	21.9	17.0	25.6
125	11.0	9.0	13.6

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





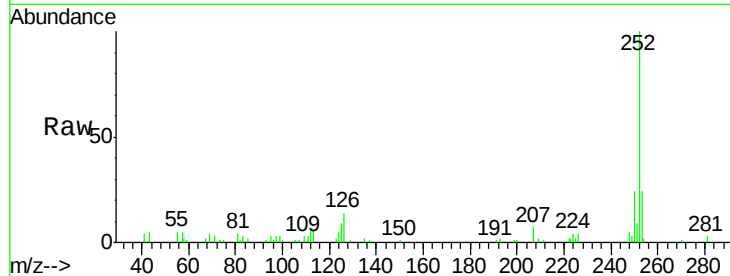
#88
Benzo(k)fluoranthene
Concen: 4.239 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.00 min
Lab File: BF101208.D
Acq: 7 Dec 2017 16:36

Instrument :
BNA_F
ClientSampleId :
SOIL-SB008A

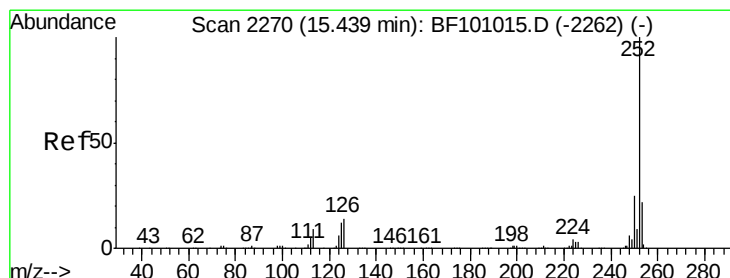
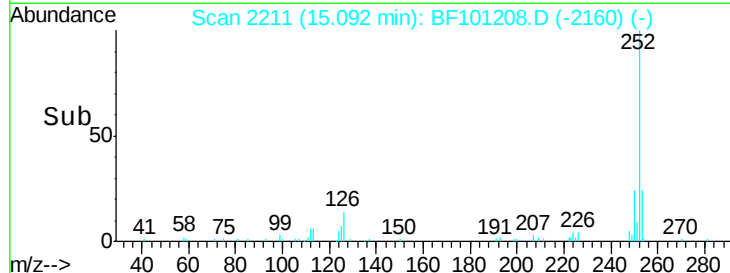
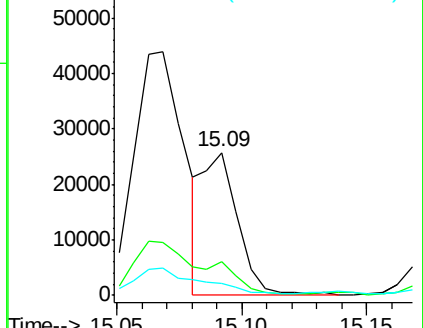
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	8.5	10.2	15.2

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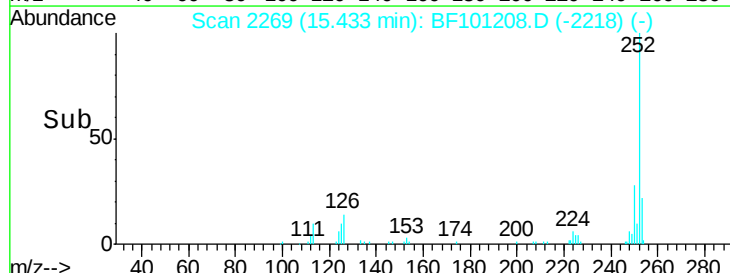
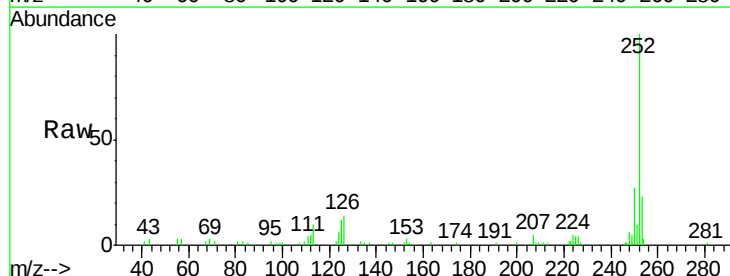
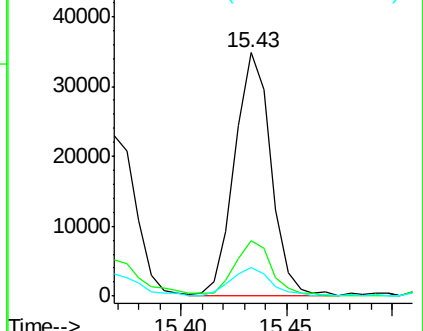
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

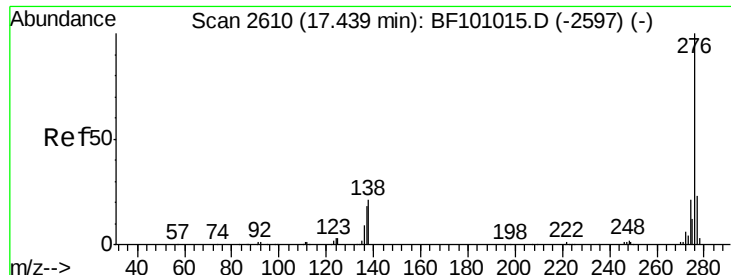


#89
Benzo(a)pyrene
Concen: 7.623 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF101208.D
Acq: 7 Dec 2017 16:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	11.5	9.8	14.6

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 4.760 ng
 RT: 17.43 min Scan# 2609
 Delta R.T. 0.01 min
 Lab File: BF101208.D
 Acq: 7 Dec 2017 16:36

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-SB008A

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.6	17.9	26.9
138	22.3	21.8	32.8

Manual Integrations
 APPROVED

Sohil
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