

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120717\
 Data File : BF101204.D
 Acq On : 7 Dec 2017 14:48
 Operator : SJ/JU
 Sample : I6765-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-SB003A

Manual Integrations
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 12/8/2017 11:12:08 AM

Quant Time: Dec 08 09:28:38 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	50438	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	195012	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	84621	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	138687	20.00	ng	0.00
75) Chrysene-d12	14.02	240	108583	20.00	ng	0.00
86) Perylene-d12	15.50	264	92274	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	303458	99.42	ng	0.00
7) Phenol-d6	6.48	99	371594	100.27	ng	0.00
23) Nitrobenzene-d5	7.41	82	223390	68.33	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	87988	86.56	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	458111	74.07	ng	-0.01
78) Terphenyl-d14	12.96	244	337511	67.99	ng	0.00
Target Compounds						
10) Phenol	6.49	94	15479	3.756	ng	82
49) Dimethylphthalate	9.59	163	19823	2.905	ng	98
70) Phenanthrene	11.39	178	36962	4.840	ng	98
74) Fluoranthene	12.59	202	127283	15.035	ng	95
77) Pyrene	12.82	202	106882	14.265	ng	98
80) Benzo(a)anthracene	14.01	228	69360	10.117	ng	96
82) Chrysene	14.05	228	56867	8.931	ng	98
85) Indeno(1,2,3-cd)pyrene	16.99	276	26340	4.653	ng	# 90
87) Benzo(b)fluoranthene	15.07	252	70122m	12.687	ng	
88) Benzo(k)fluoranthene	15.09	252	18802m	3.453	ng	
89) Benzo(a)pyrene	15.43	252	44764	8.909	ng	97
91) Benzo(a,h,i)perylene	17.44	276	22018	5.274	ng	# 92

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

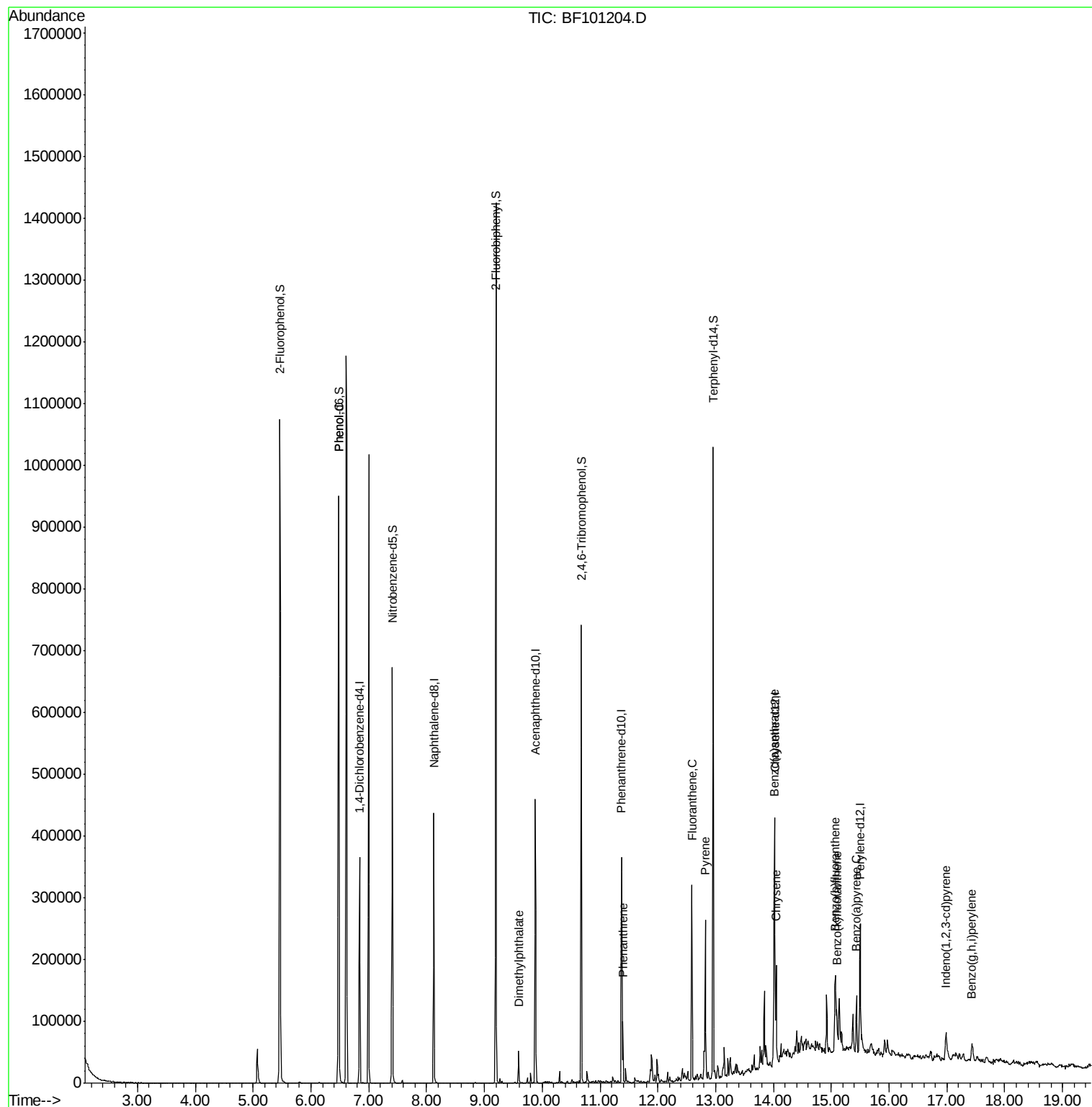
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120717\
Data File : BF101204.D
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#1

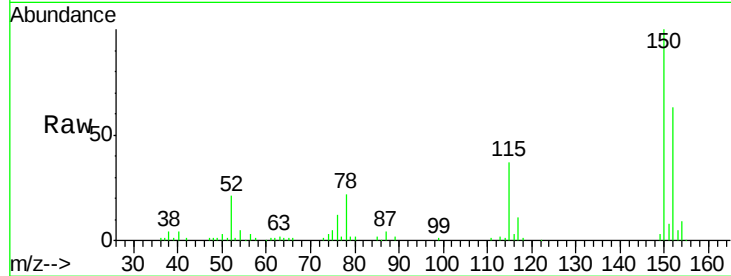
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

Instrument :
BNA_F
ClientSampleId :
SOIL-SB003A

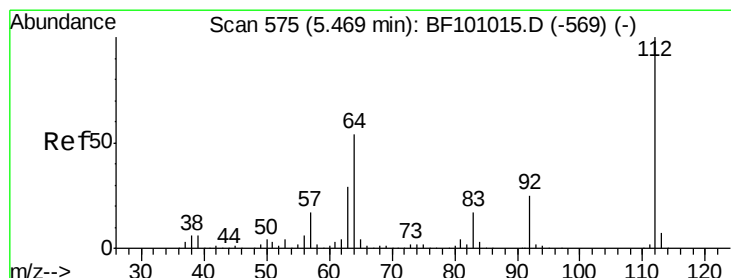
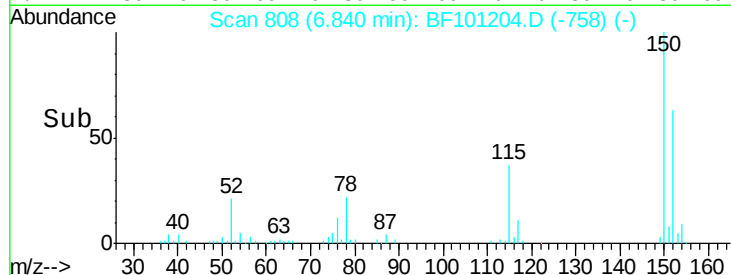
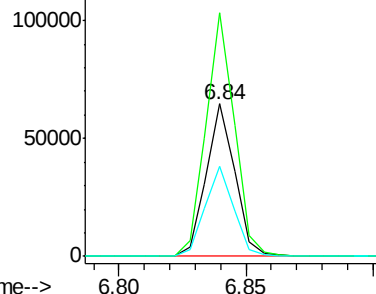
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	124.6	186.8
115	58.9	50.1	75.1

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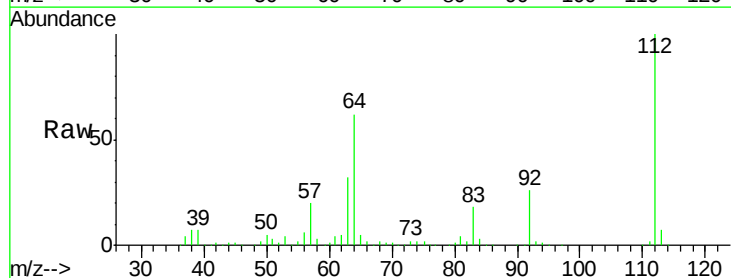
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



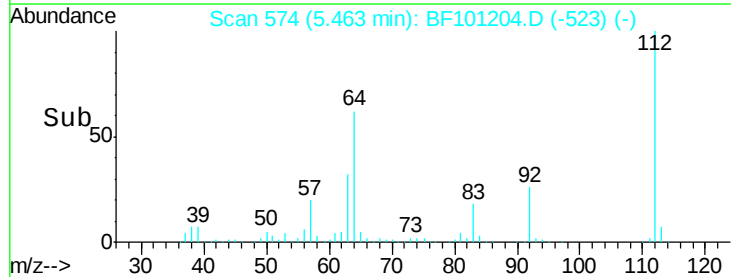
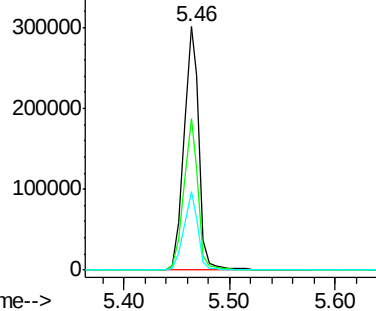
#5

2-Fluorophenol
Concen: 99.419 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.2	47.9	71.9
63	32.1	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





#7

Phenol-d6

Concen: 100.273 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101204.D

Acq: 7 Dec 2017 14:48

Instrument :

BNA_F

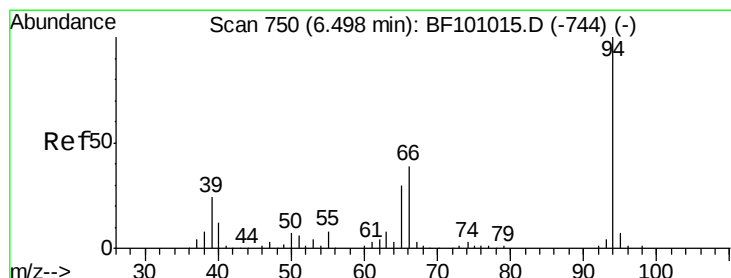
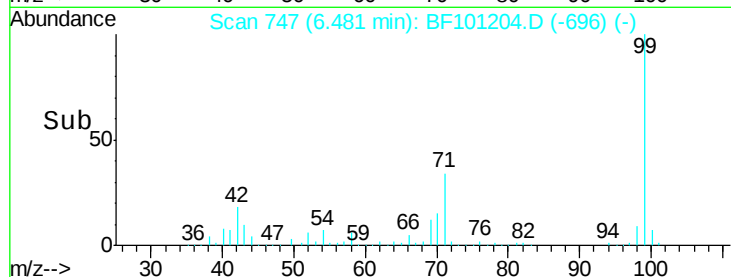
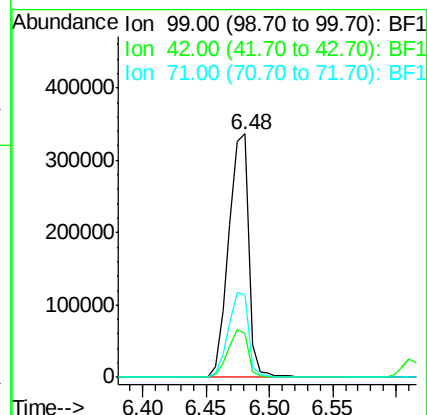
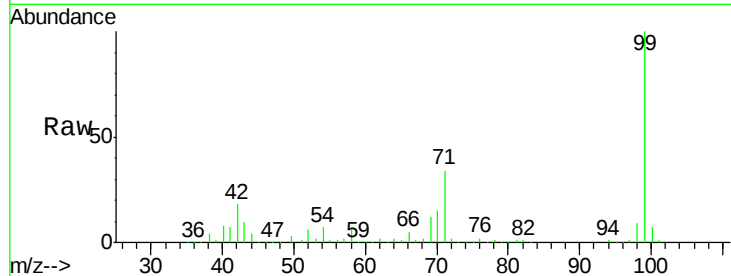
ClientSampleId :

SOIL-SB003A

Tot Ion:	99	Resp:	371594
Ion Ratio	Lower	Upper	
99	100		
42	18.1	14.5	21.7
71	34.0	25.4	38.0

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#10

Phenol

Concen: 3.756 ng

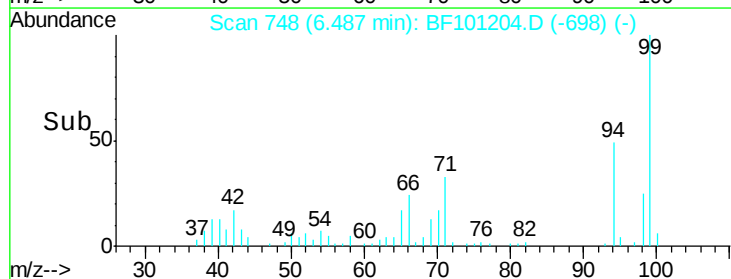
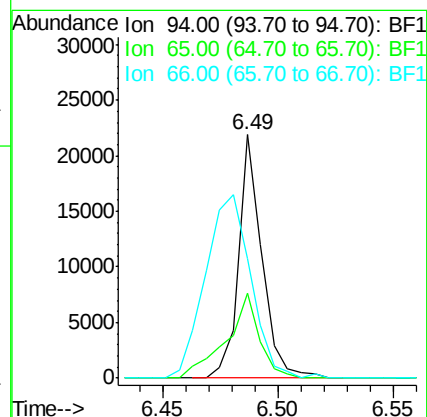
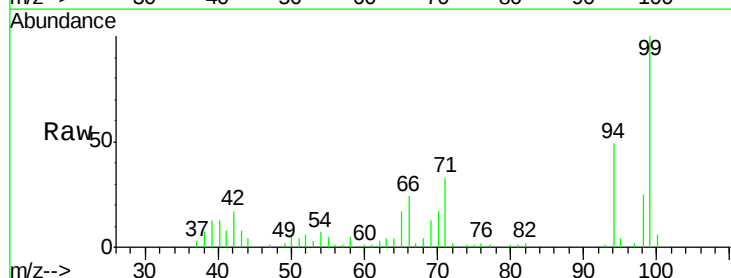
RT: 6.49 min Scan# 748

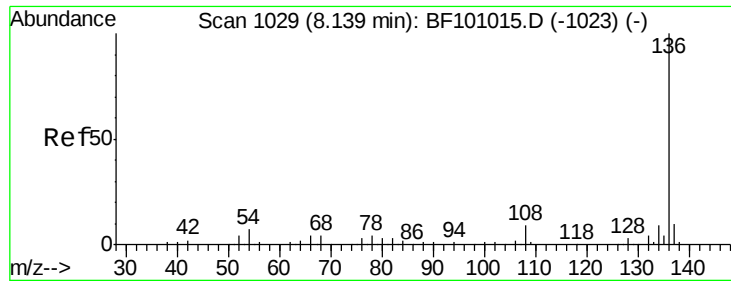
Delta R.T. -0.01 min

Lab File: BF101204.D

Acq: 7 Dec 2017 14:48

Tgt Ion:	94	Resp:	15479
Ion Ratio	Lower	Upper	
94	100		
65	34.8	7.9	47.9
66	48.9	16.2	56.2





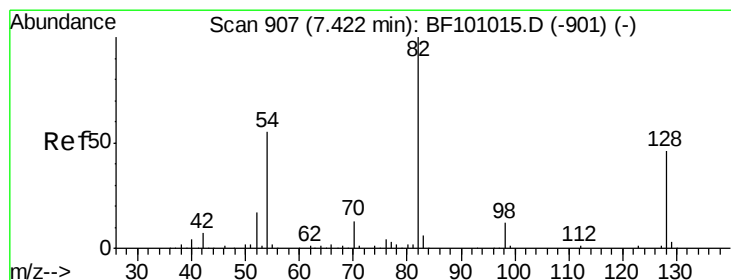
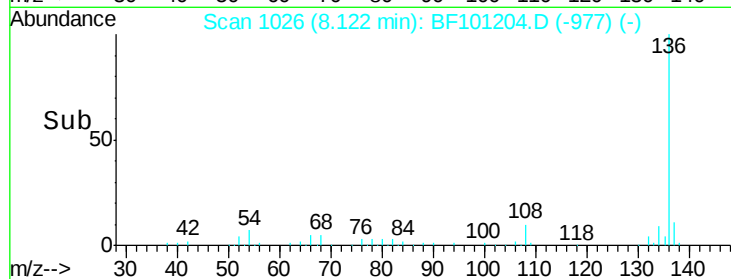
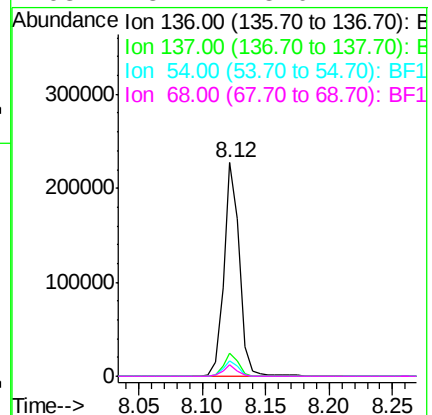
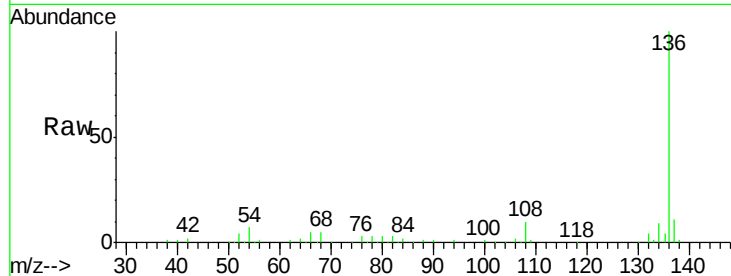
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

Instrument :
BNA_F
ClientSampleId :
SOIL-SB003A

Tot Ion	Ratio	Resp	Lower	Upper
136	100	195012		
137	10.9	8.9	13.3	
54	7.4	6.6	9.8	
68	5.1	5.0	7.4	

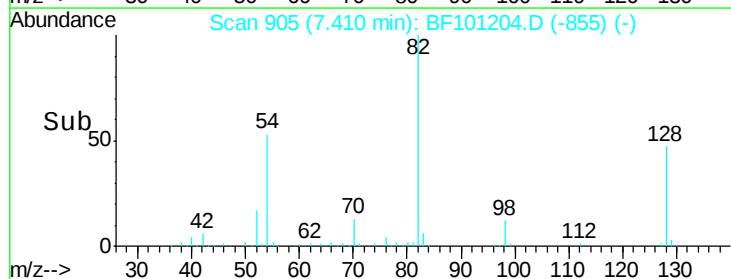
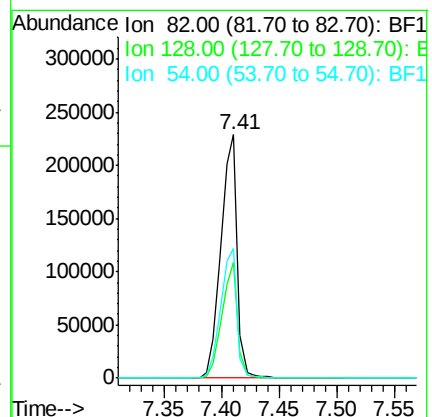
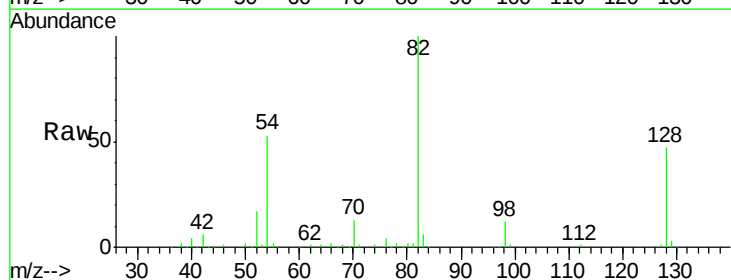
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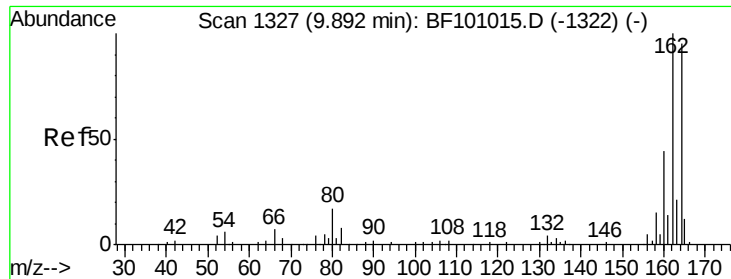
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#23
Nitrobenzene-d5
Concen: 68.334 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	223390		
128	47.3	36.1	54.1	
54	53.2	41.4	62.2	





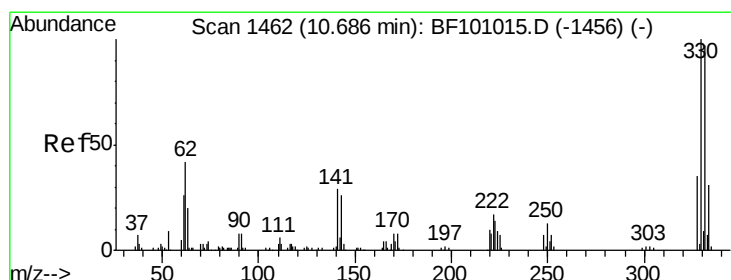
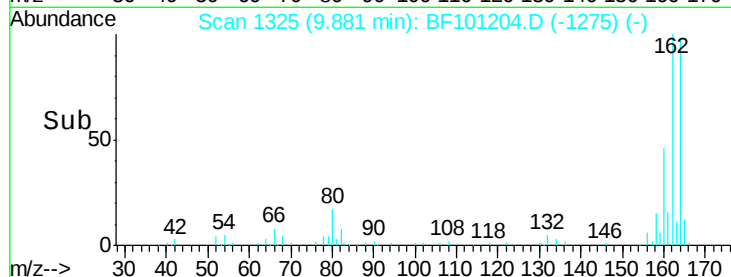
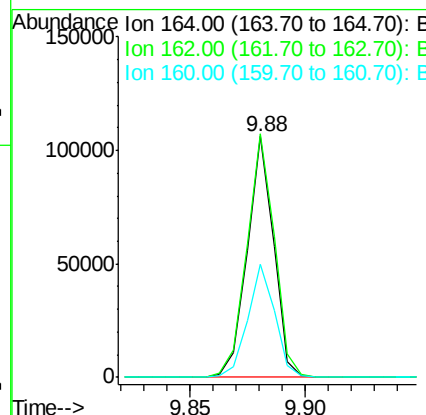
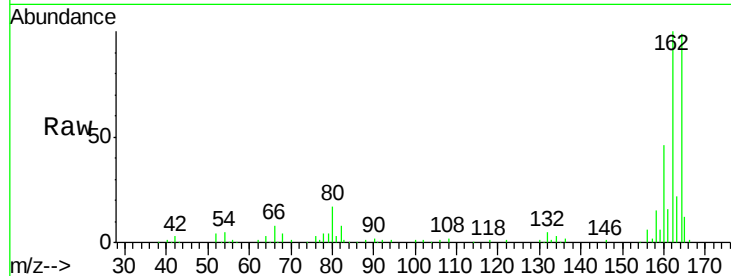
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF101204.D
 Acq: 7 Dec 2017 14:48

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-SB003A

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.2	86.1	129.1
160	47.0	38.3	57.5

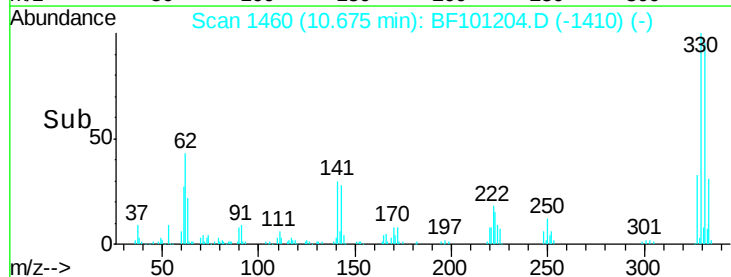
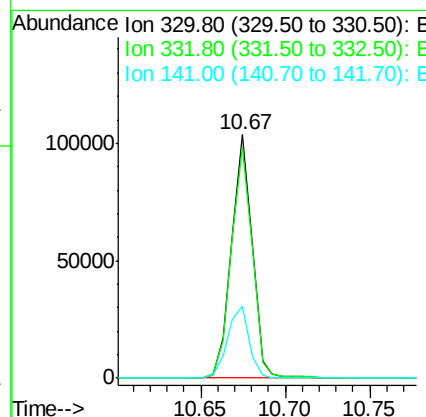
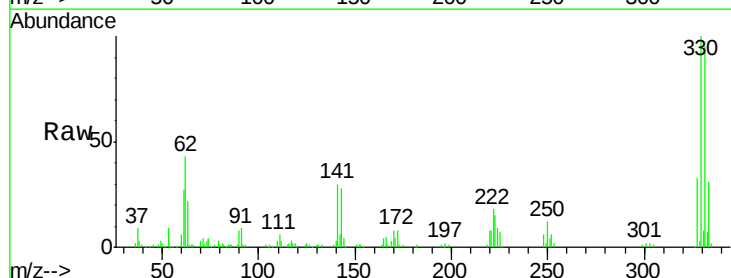
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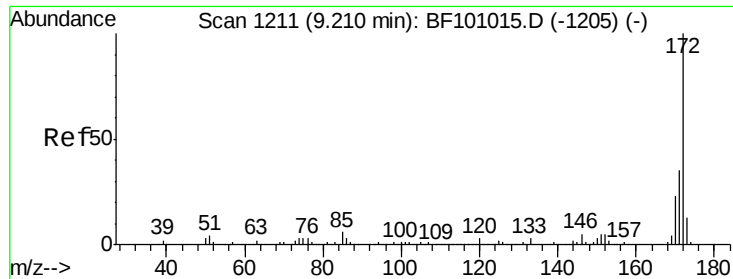
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#41
 2,4,6-Tribromophenol
 Concen: 86.556 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF101204.D
 Acq: 7 Dec 2017 14:48

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	30.7	29.9	44.9





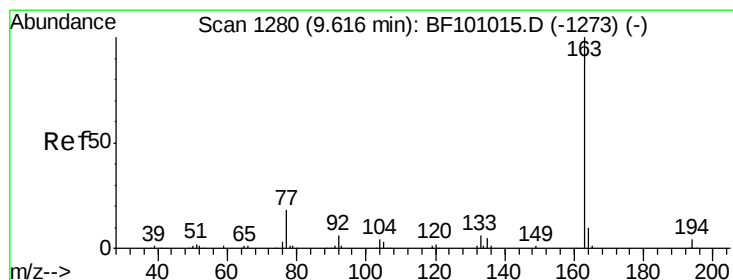
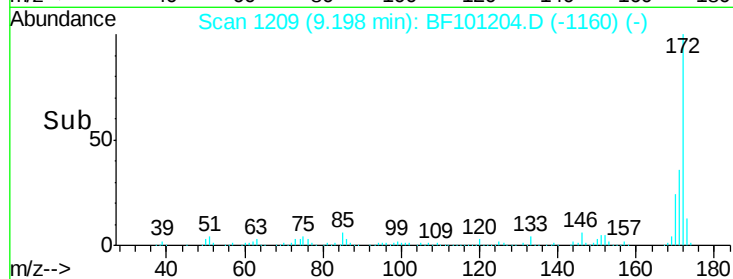
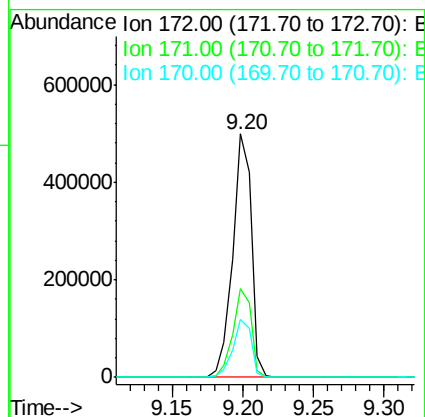
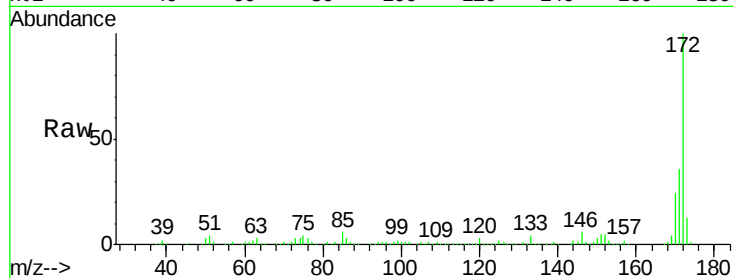
#44
2-Fluorobiphenyl
Concen: 74.070 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

Instrument :
BNA_F
ClientSampleId :
SOIL-SB003A

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.9	19.6	29.4

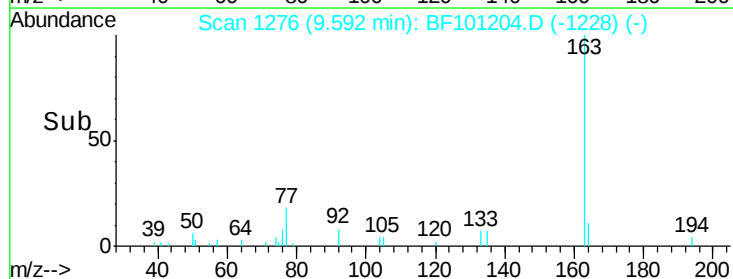
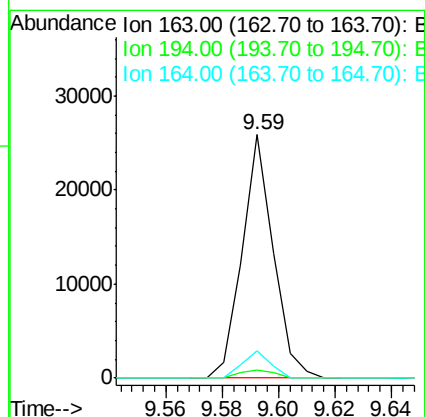
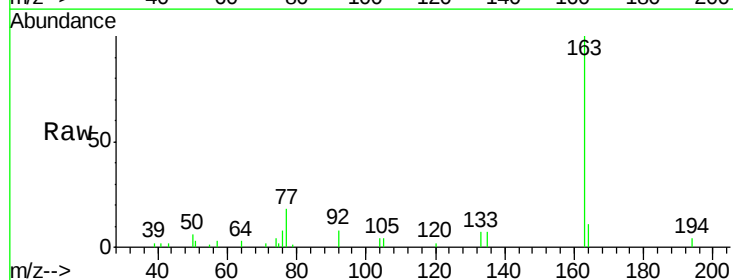
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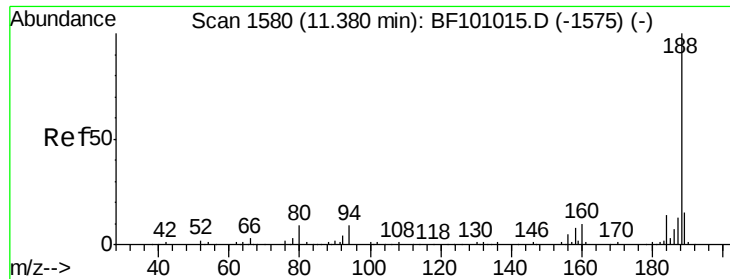
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#49
Dimethylphthalate
Concen: 2.905 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	11.1	8.2	12.2





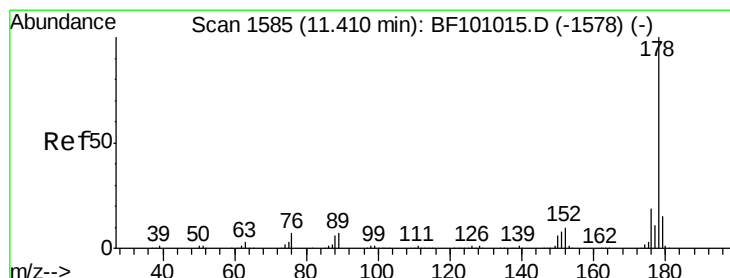
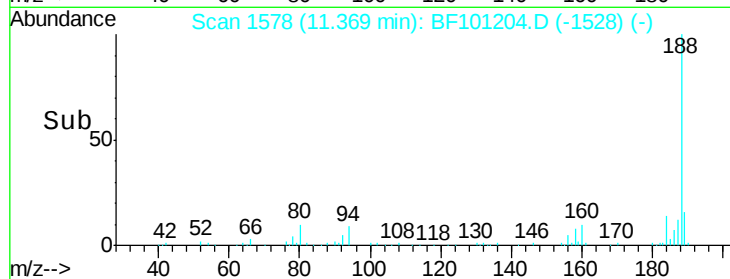
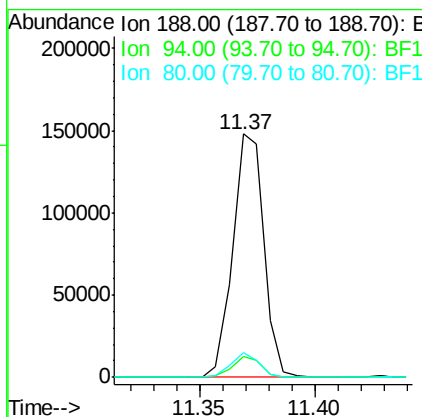
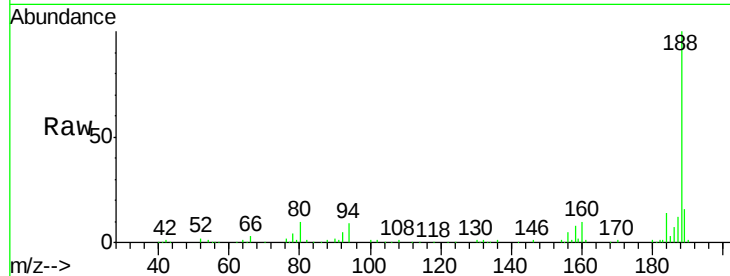
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

Instrument :
BNA_F
ClientSampleId :
SOIL-SB003A

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.8	8.5	12.7
80	10.0	9.2	13.8

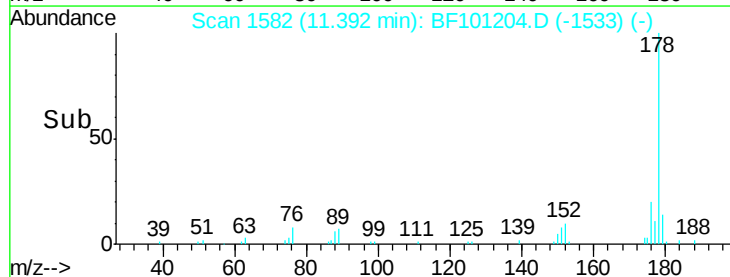
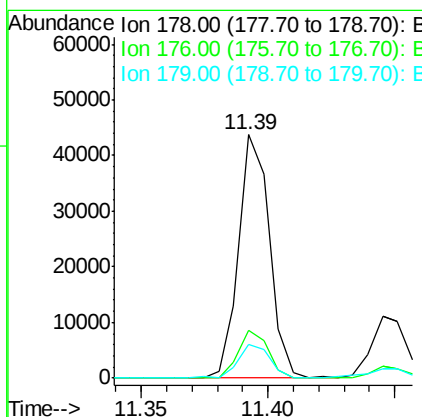
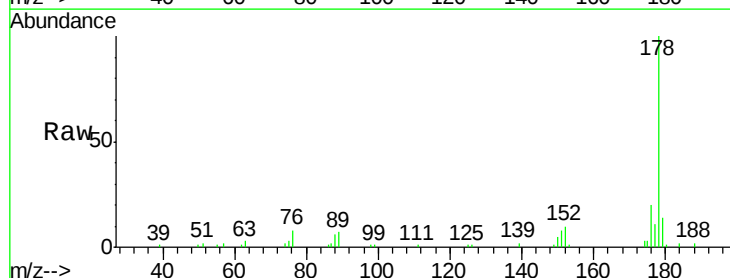
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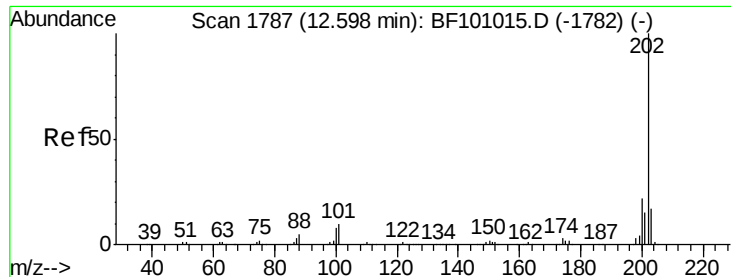
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#70
Phenanthrene
Concen: 4.840 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.8	15.8	23.8
179	14.0	13.0	19.6





#74

Fluoranthene

Concen: 15.035 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF101204.D

Acq: 7 Dec 2017 14:48

Instrument :

BNA_F

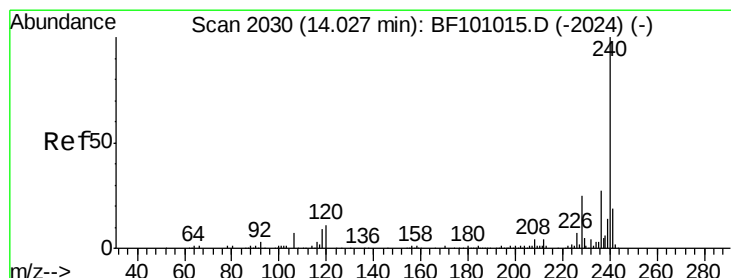
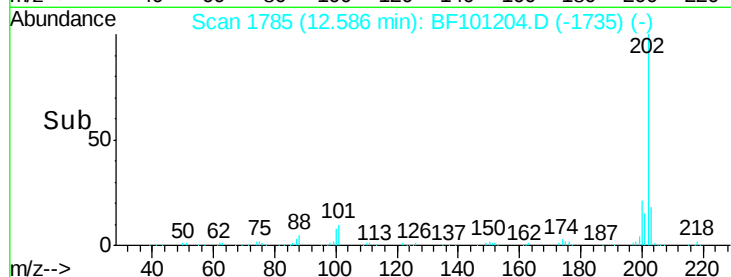
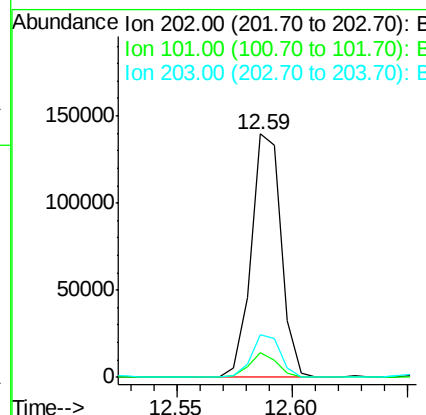
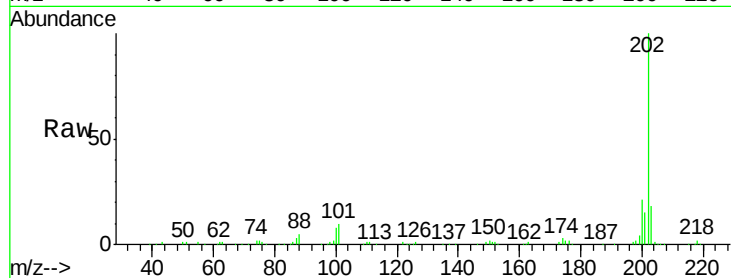
ClientSampleId :

SOIL-SB003A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.1	0.0	34.1
203	17.7	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

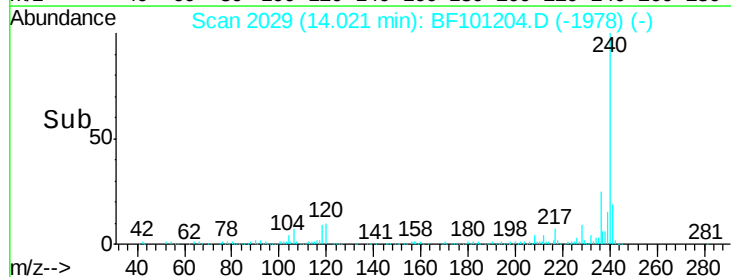
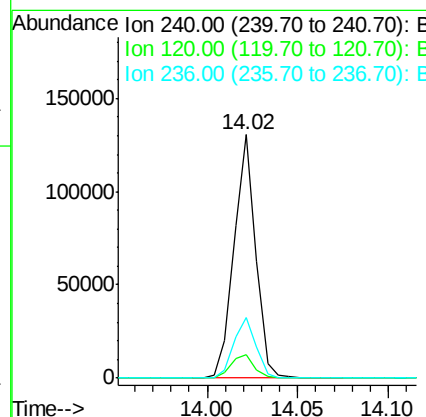
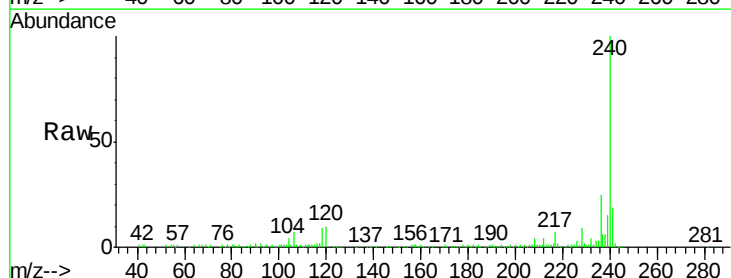
RT: 14.02 min Scan# 2029

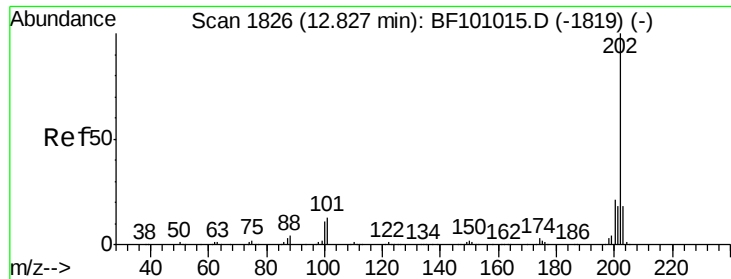
Delta R.T. 0.00 min

Lab File: BF101204.D

Acq: 7 Dec 2017 14:48

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.6	9.5	14.3
236	24.9	20.7	31.1





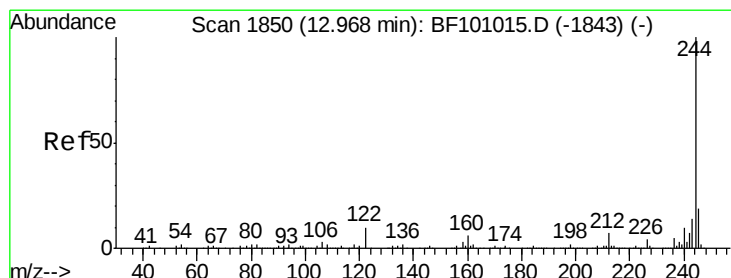
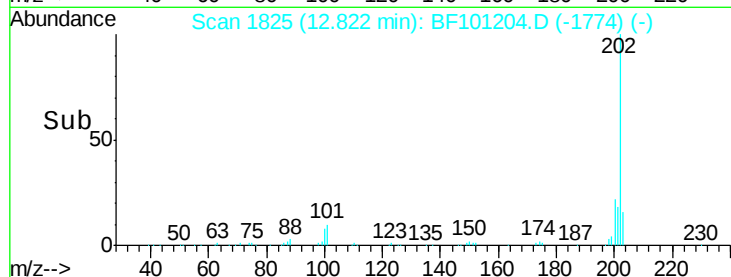
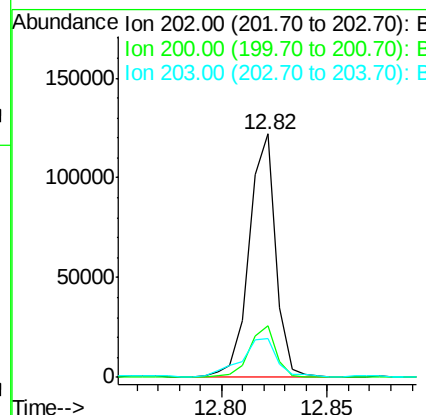
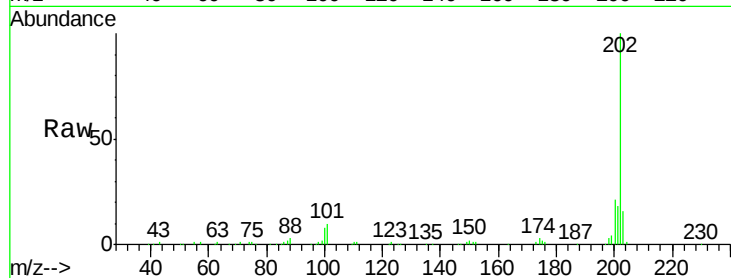
#77
Pvrene
Concen: 14.265 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

Instrument :
BNA_F
ClientSampleId :
SOIL-SB003A

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	16.1	14.3	21.5

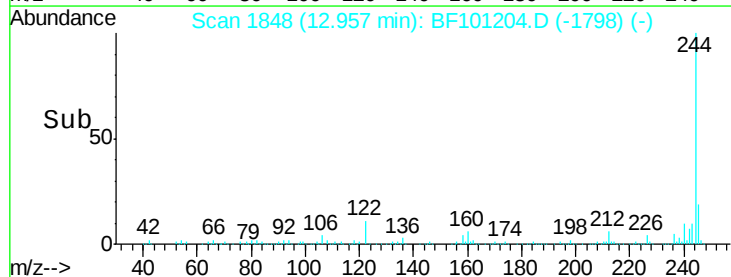
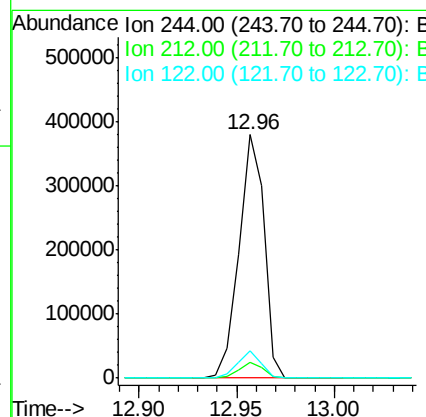
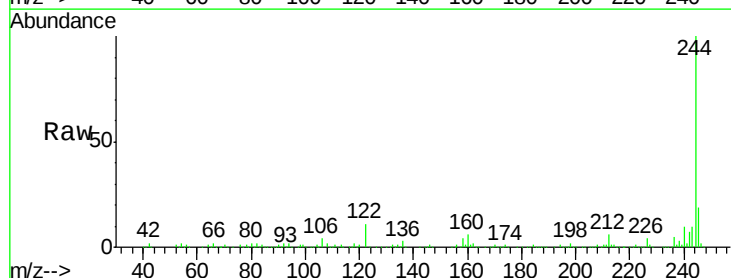
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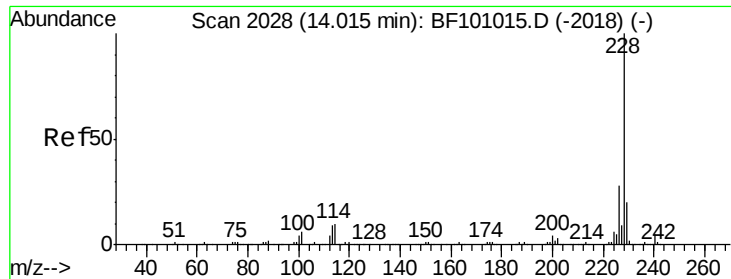
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#78
Terphenyl-d14
Concen: 67.987 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	11.0	11.0	16.4





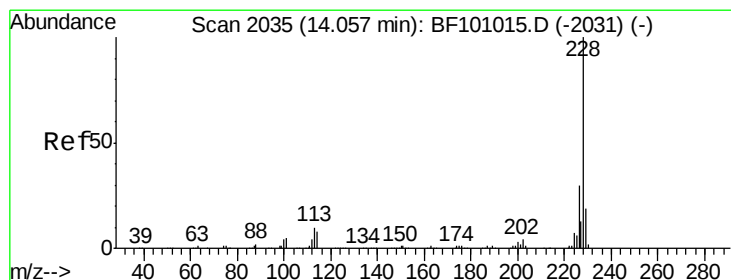
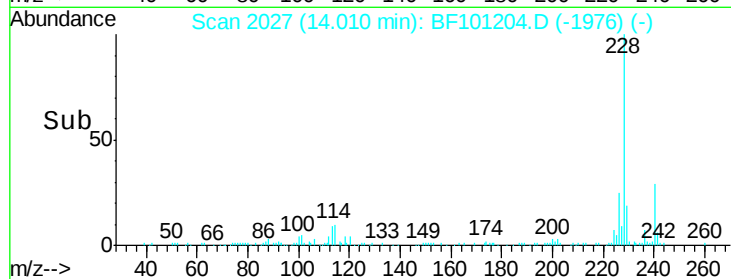
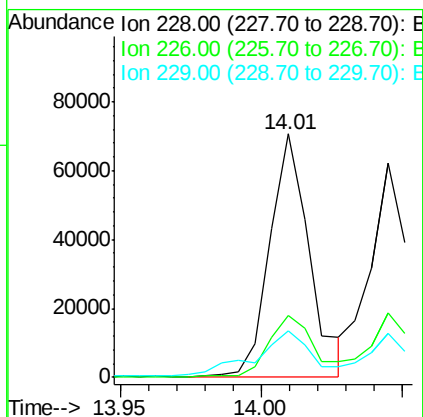
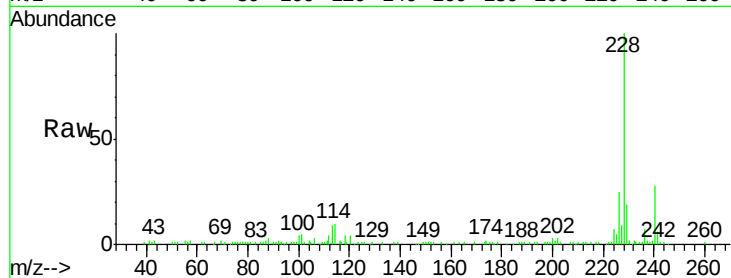
#80
Benzo(a)anthracene
Concen: 10.117 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

Instrument :
BNA_F
ClientSampleId :
SOIL-SB003A

Tot Ion	Ratio	Lower	Upper
228	100		
226	25.1	22.6	33.8
229	19.0	15.8	23.6

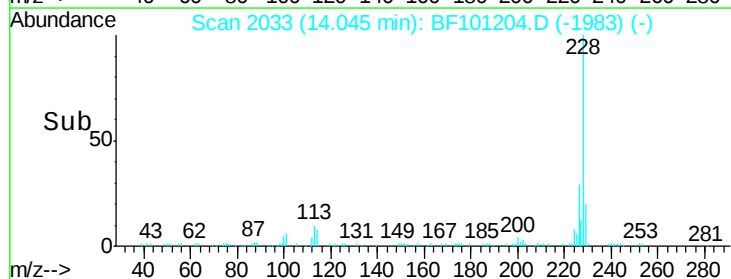
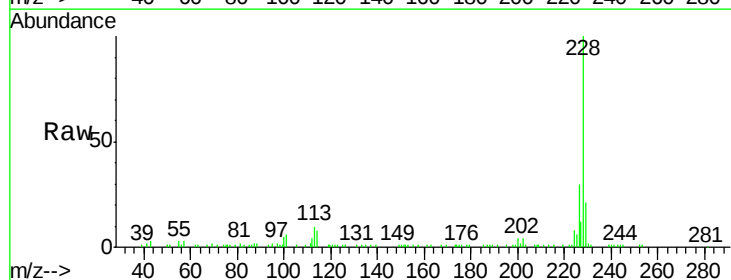
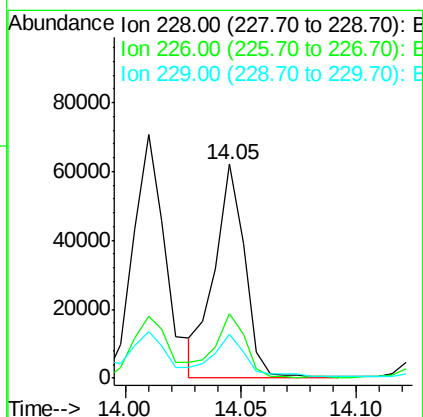
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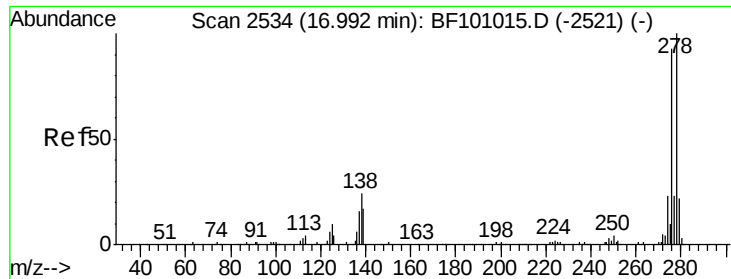
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#82
Chrysene
Concen: 8.931 ng
RT: 14.05 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	20.6	16.2	24.4





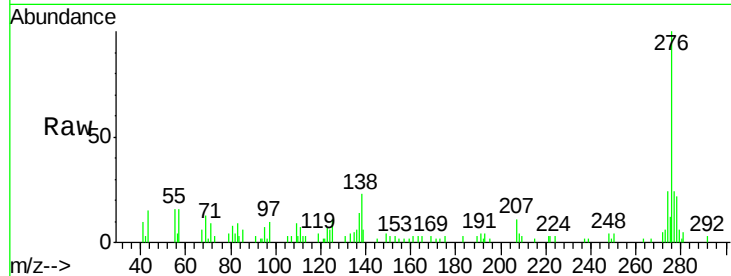
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.653 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.01 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

Instrument :
BNA_F
ClientSampleId :
SOIL-SB003A

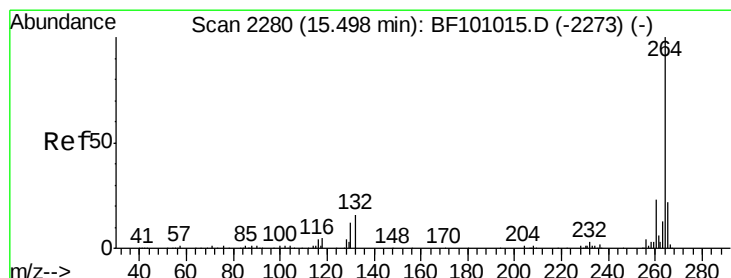
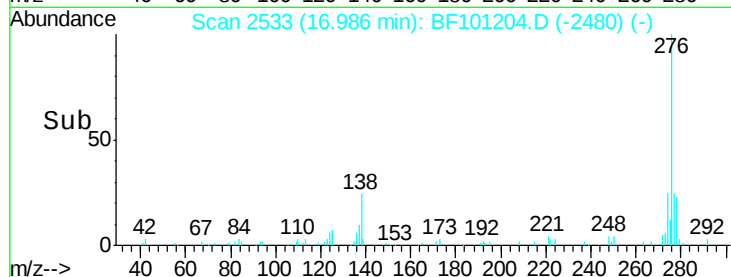
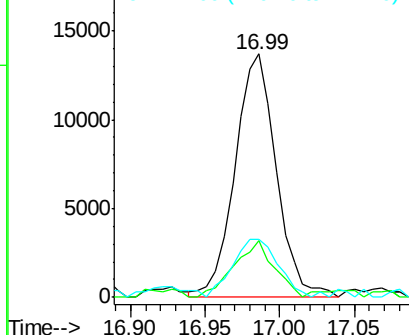
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.6	25.0	37.6#
277	26.2	20.1	30.1

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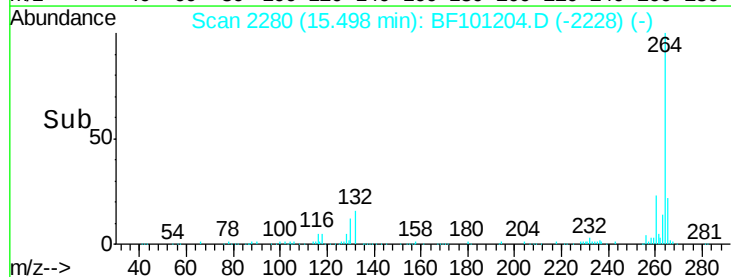
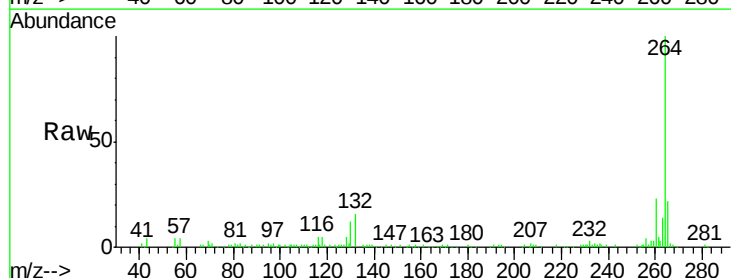
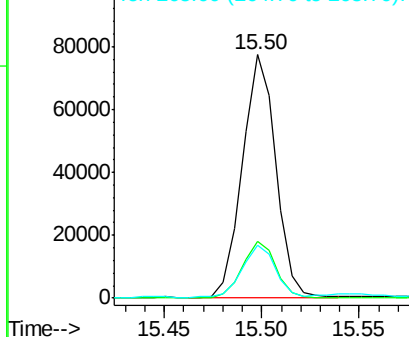
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

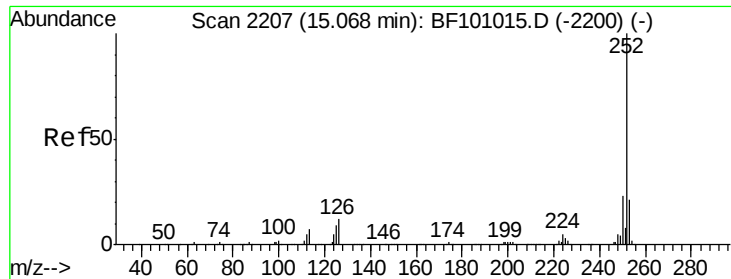


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.6	17.5	26.3

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: 12.687 ng m

RT: 15.07 min Scan# 2207

Delta R.T. 0.01 min

Lab File: BF101204.D

Acq: 7 Dec 2017 14:48

Instrument :

BNA_F

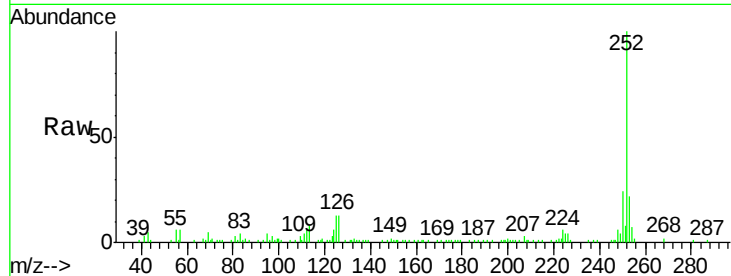
ClientSampleId :

SOIL-SB003A

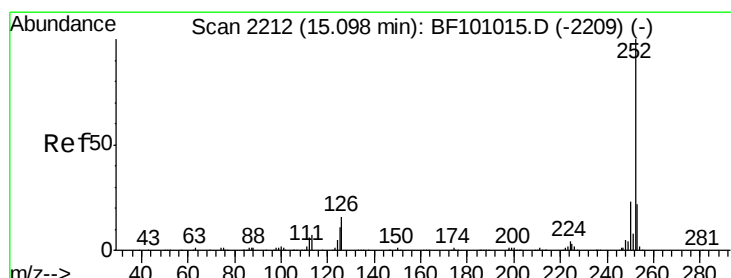
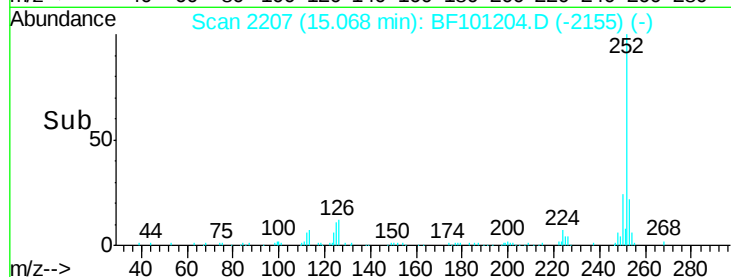
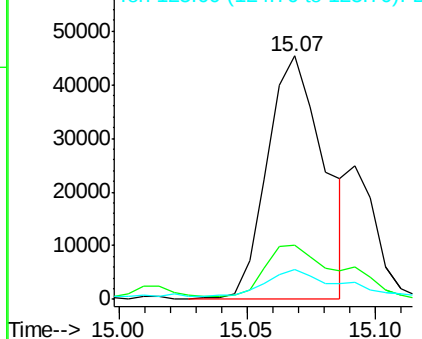
Tot Ion:	252	Resp:	70122
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.0	25.6
125	12.5	9.0	13.6

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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



#88

Benzo(k)fluoranthene

Concen: 3.453 ng m

RT: 15.09 min Scan# 2211

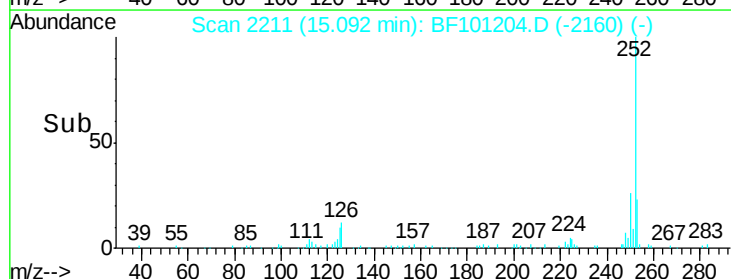
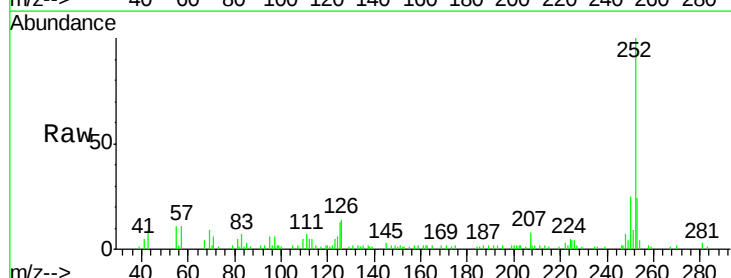
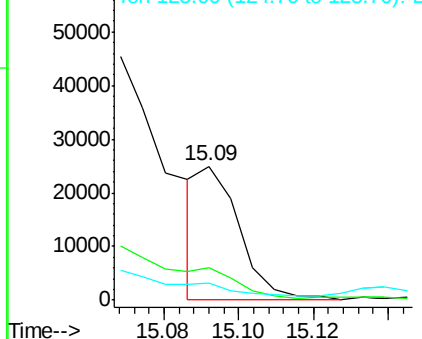
Delta R.T. 0.00 min

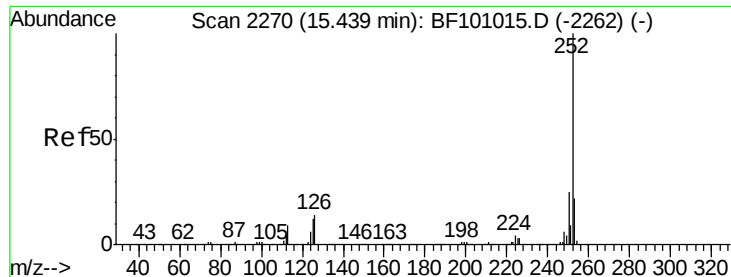
Lab File: BF101204.D

Acq: 7 Dec 2017 14:48

Tgt Ion:	252	Resp:	18802
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.9	26.9
125	12.9	10.2	15.2

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





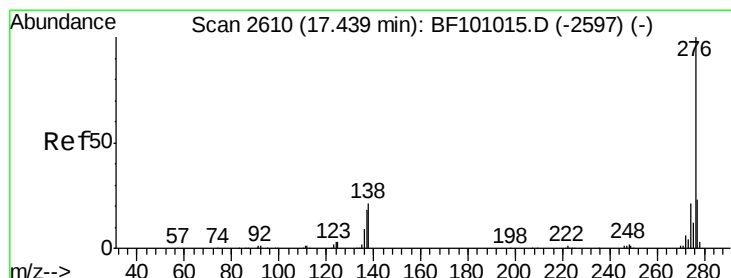
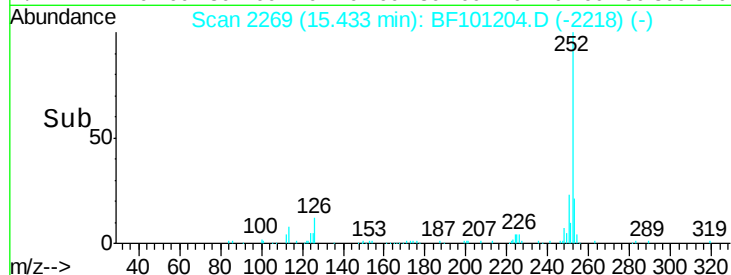
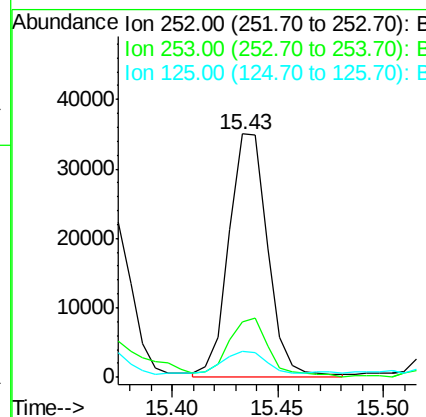
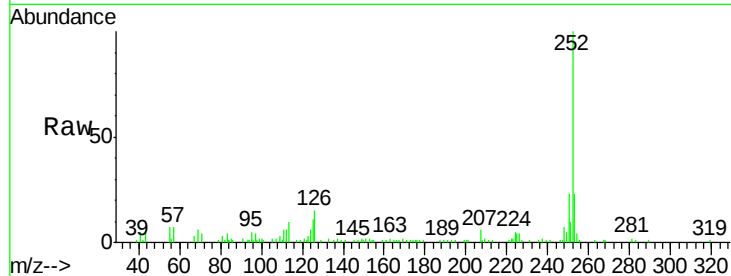
#89
Benzo(a)pyrene
Concen: 8.909 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

Instrument :
BNA_F
ClientSampleId :
SOIL-SB003A

Tot Ion:	252	Resp:	44764
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.1	25.7
125	10.8	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 5.274 ng
RT: 17.44 min Scan# 2610
Delta R.T. 0.01 min
Lab File: BF101204.D
Acq: 7 Dec 2017 14:48

Tgt Ion:	276	Resp:	22018
Ion Ratio	Lower	Upper	
276	100		
277	24.5	17.9	26.9
138	21.2	21.8	32.8#

