

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120717\
 Data File : BF101207.D
 Acq On : 7 Dec 2017 16:09
 Operator : SJ/JU
 Sample : I6765-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-SB006A

Manual Integrations
 APPROVED

Sohil
 12/8/2017 11:12:10 AM

Quant Time: Dec 07 19:28:04 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	50824	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	193503	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	84045	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	139496	20.00	ng	0.00
75) Chrysene-d12	14.02	240	114395	20.00	ng	0.00
86) Perylene-d12	15.50	264	99916	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	293177	95.32	ng	0.00
7) Phenol-d6	6.47	99	348537	93.34	ng	0.00
23) Nitrobenzene-d5	7.40	82	210656	64.94	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	80857	80.09	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	438490	71.38	ng	-0.01
78) Terphenyl-d14	12.96	244	333899	63.84	ng	0.00
Target Compounds						
10) Phenol	6.49	94	15907	3.831	ng	89
49) Dimethylphthalate	9.59	163	19777	2.918	ng	100
74) Fluoranthene	12.59	202	20328	2.387	ng	94
77) Pyrene	12.82	202	16738	2.120	ng	98

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

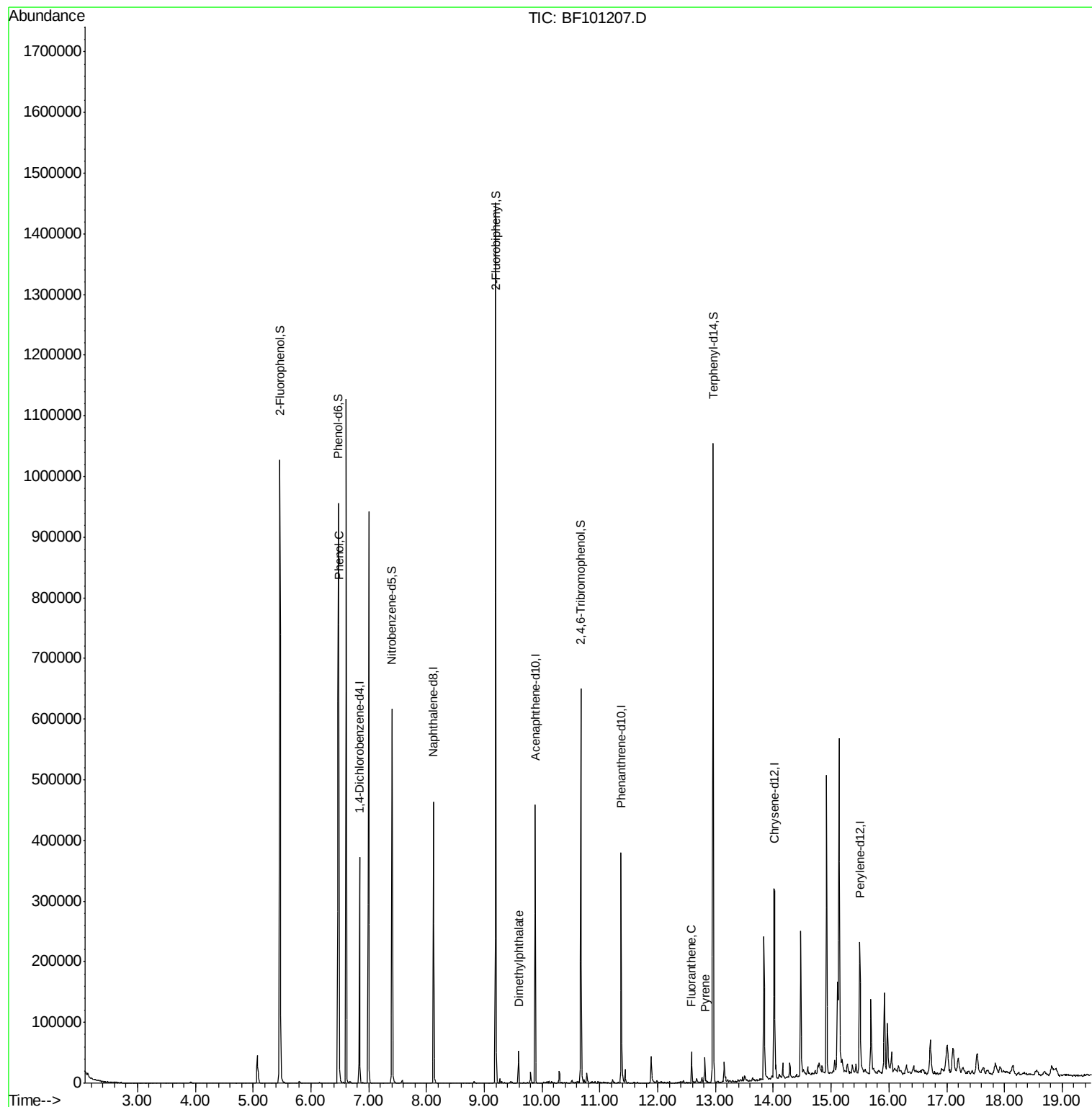
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120717\
Data File : BF101207.D
Acq On : 7 Dec 2017 16:09
Operator : SJ/JU
Sample : I6765-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

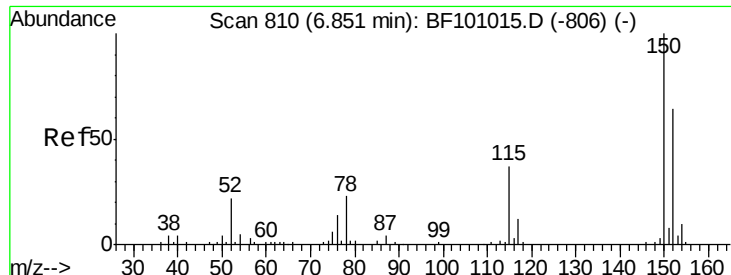
Instrument :
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ClientSampleId :
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12/8/2017 11:12:10 AM

Quant Time: Dec 07 19:28:04 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
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#1

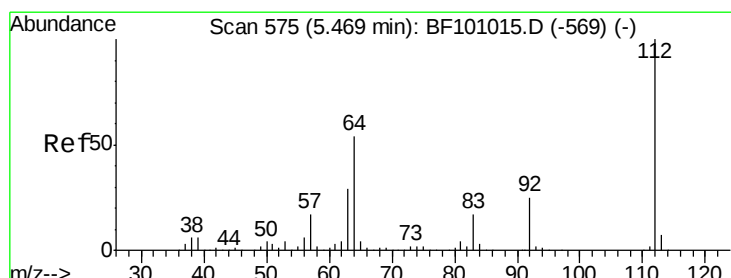
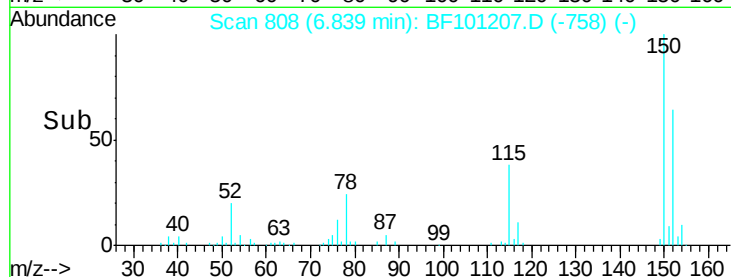
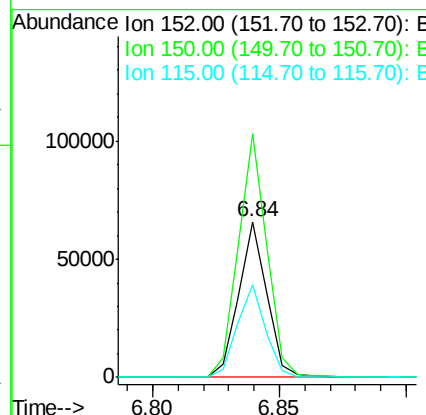
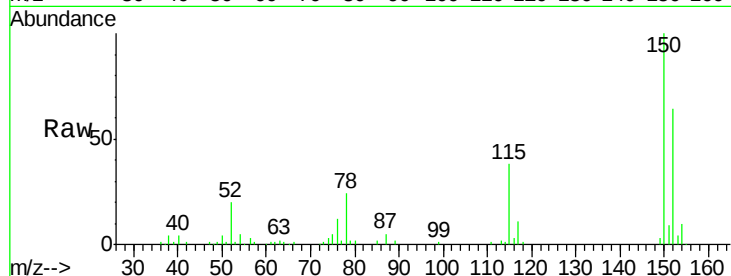
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF101207.D
Acq: 7 Dec 2017 16:09

Instrument :
BNA_F
ClientSampleId :
SOIL-SB006A

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.6	186.8
115	59.5	50.1	75.1

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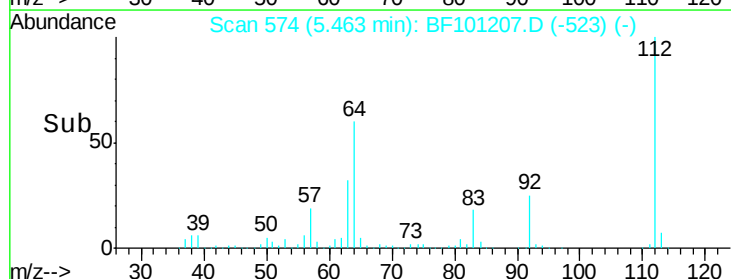
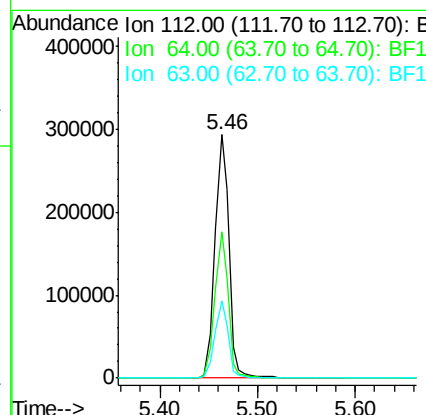
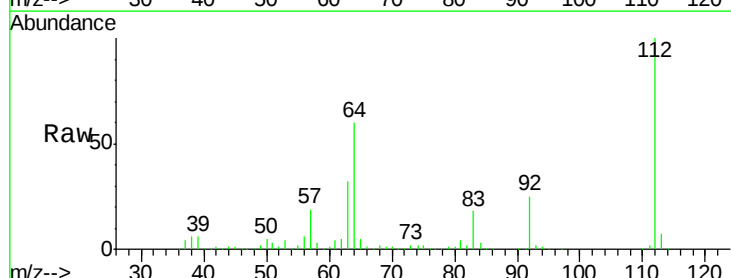
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#5

2-Fluorophenol
Concen: 95.321 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF101207.D
Acq: 7 Dec 2017 16:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	47.9	71.9
63	31.6	23.7	35.5





#7

Phenol-d6

Concen: 93.337 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF101207.D

Acq: 7 Dec 2017 16:09

Instrument :

BNA_F

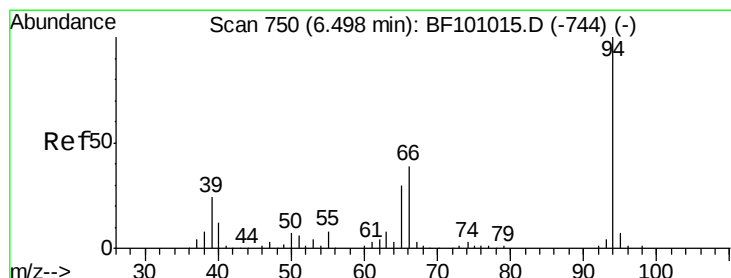
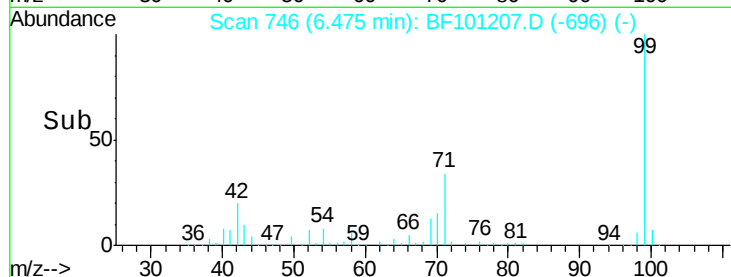
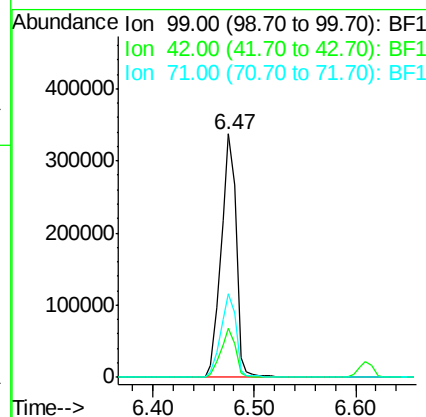
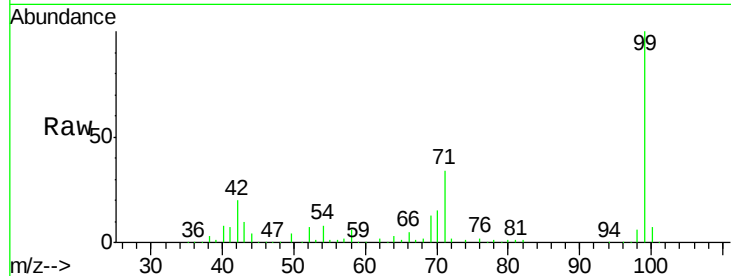
ClientSampleId :

SOIL-SB006A

Tot Ion:	99	Resp:	348537
Ion Ratio	Lower	Upper	
99	100		
42	20.2	14.5	21.7
71	34.4	25.4	38.0

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#10

Phenol

Concen: 3.831 ng

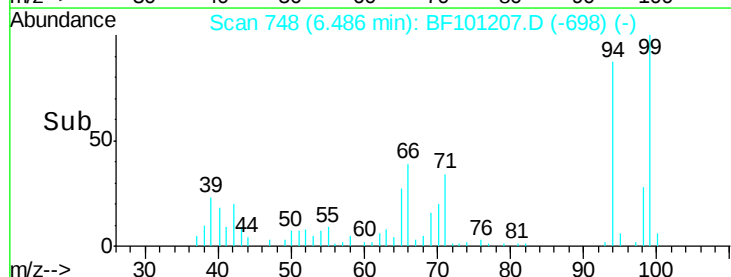
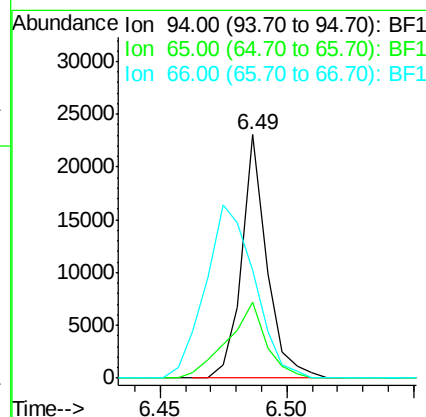
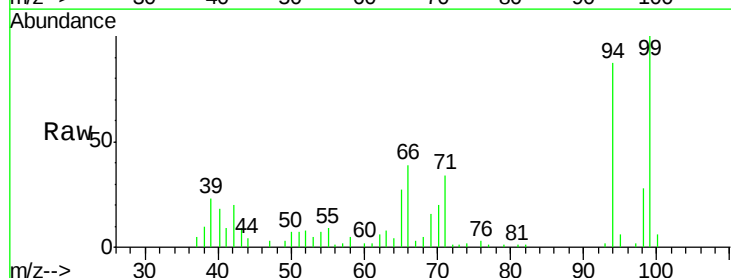
RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF101207.D

Acq: 7 Dec 2017 16:09

Tgt Ion:	94	Resp:	15907
Ion Ratio	Lower	Upper	
94	100		
65	31.3	7.9	47.9
66	44.4	16.2	56.2





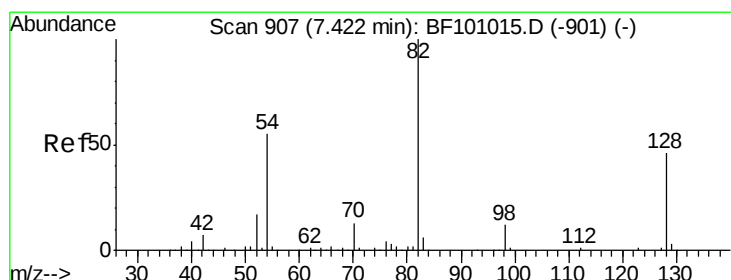
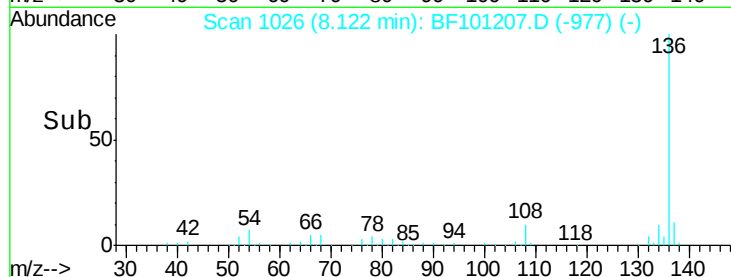
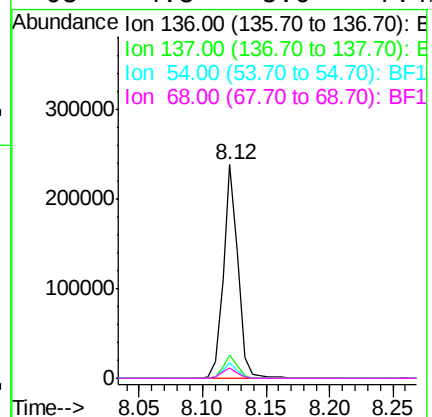
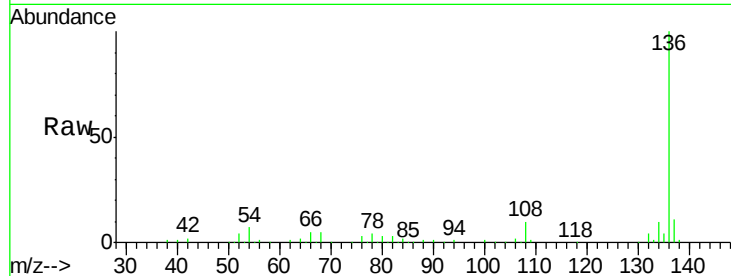
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF101207.D
Acq: 7 Dec 2017 16:09

Instrument :
BNA_F
ClientSampleId :
SOIL-SB006A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		193503		
137	11.0	8.9	13.3		
54	7.1	6.6	9.8		
68	4.8	5.0	7.4		

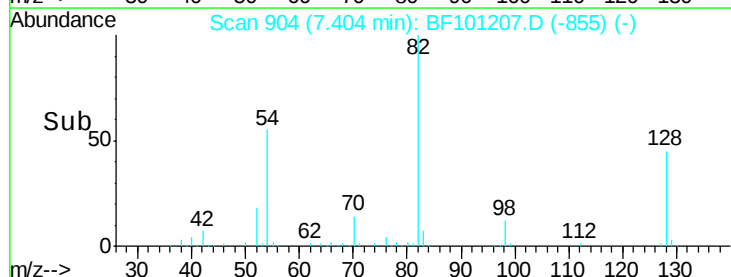
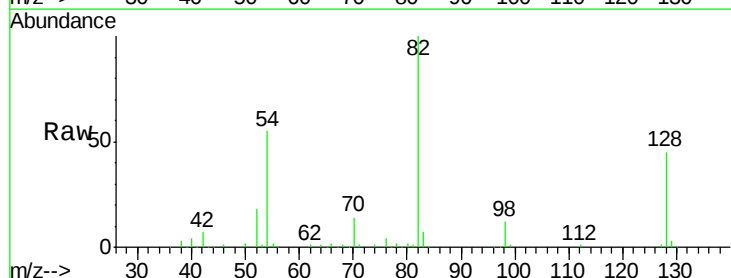
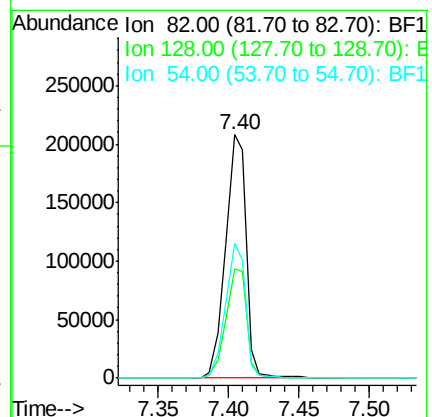
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#23
Nitrobenzene-d5
Concen: 64.941 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF101207.D
Acq: 7 Dec 2017 16:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		210656		
128	44.9	36.1	54.1		
54	55.2	41.4	62.2		





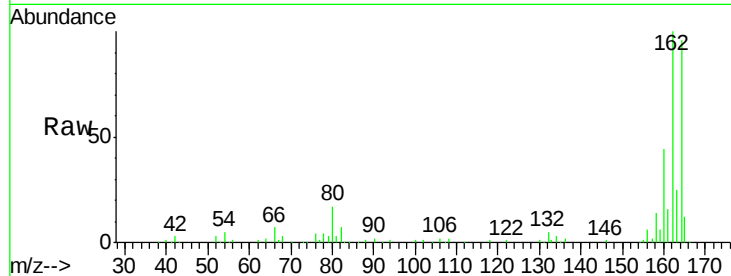
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF101207.D
Acq: 7 Dec 2017 16:09

Instrument :
BNA_F
ClientSampleId :
SOIL-SB006A

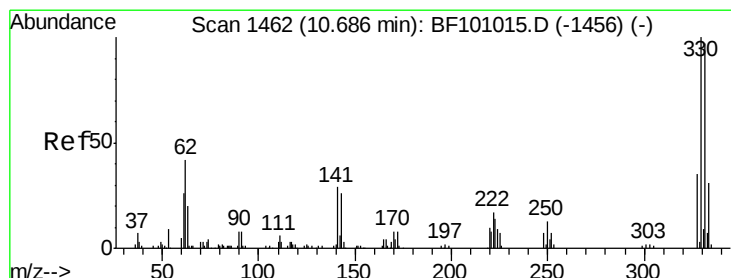
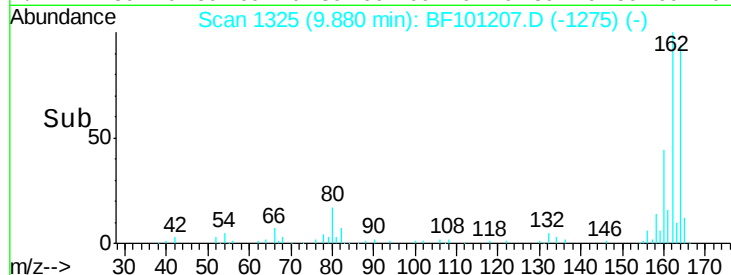
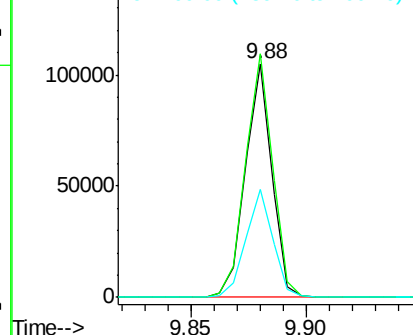
Tot Ion	Ratio	Lower	Upper
164	100		
162	104.2	86.1	129.1
160	46.2	38.3	57.5

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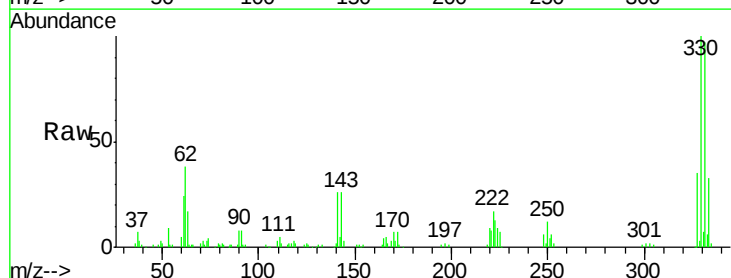


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

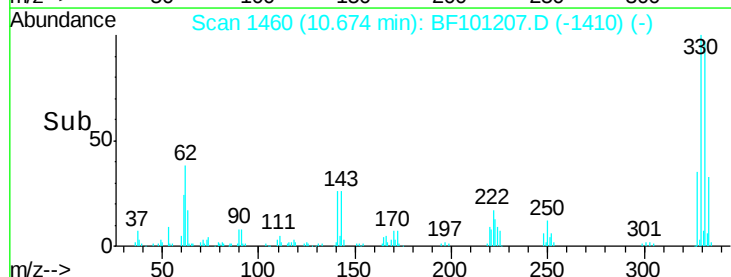
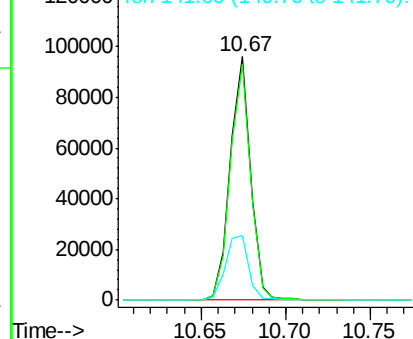


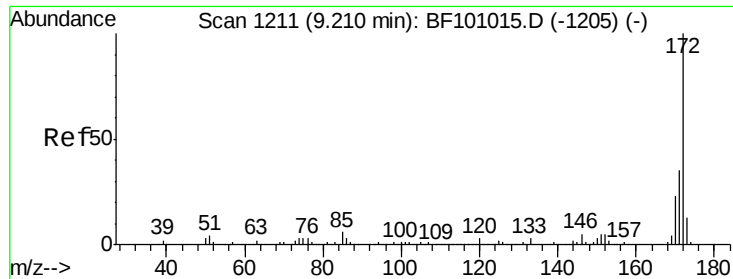
#41
2,4,6-Tribromophenol
Concen: 80.087 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BF101207.D
Acq: 7 Dec 2017 16:09

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	29.9	29.9	44.9



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





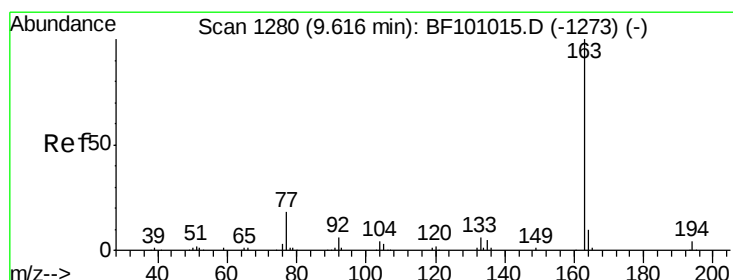
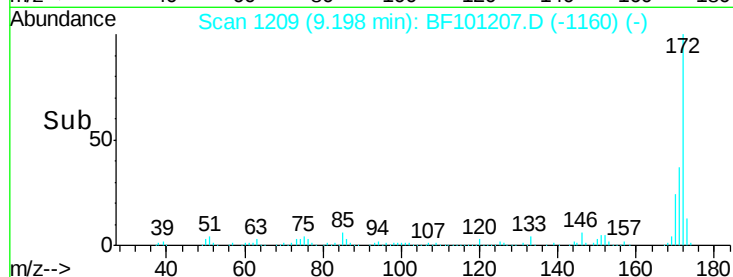
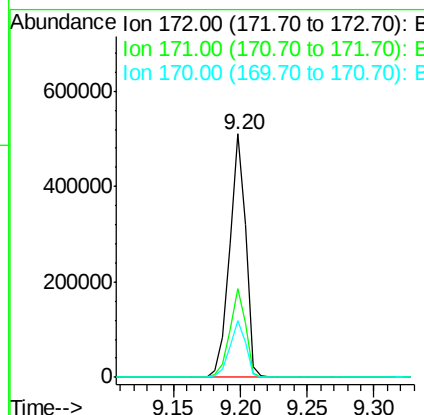
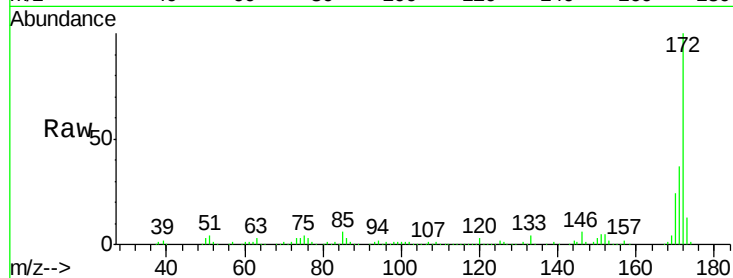
#44
2-Fluorobiphenyl
Concen: 71.383 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF101207.D
Acq: 7 Dec 2017 16:09

Instrument :
BNA_F
ClientSampleId :
SOIL-SB006A

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	23.5	19.6	29.4

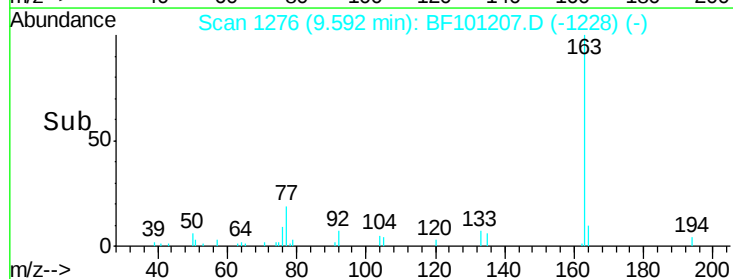
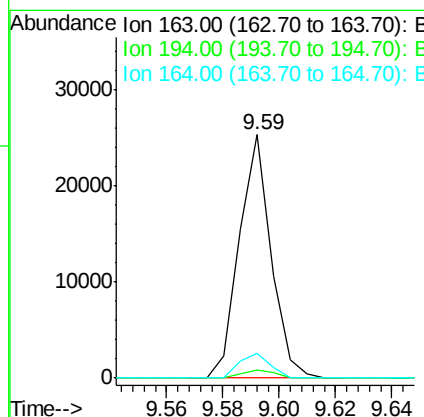
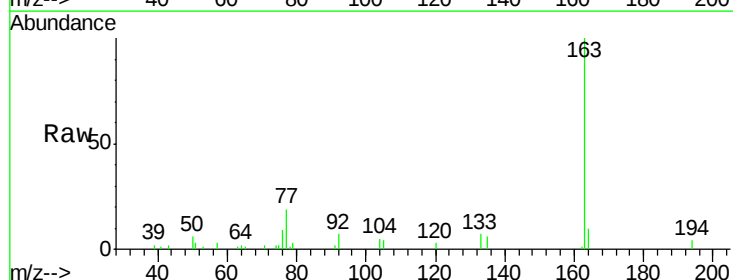
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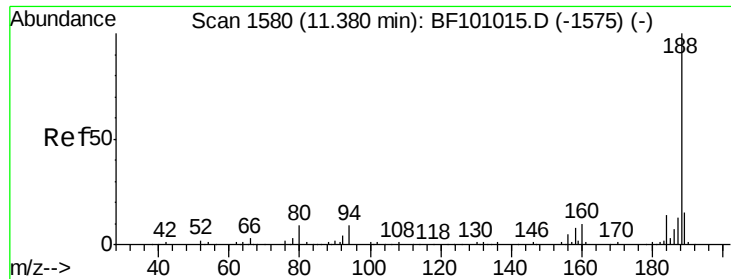
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#49
Dimethylphthalate
Concen: 2.918 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF101207.D
Acq: 7 Dec 2017 16:09

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	10.1	8.2	12.2





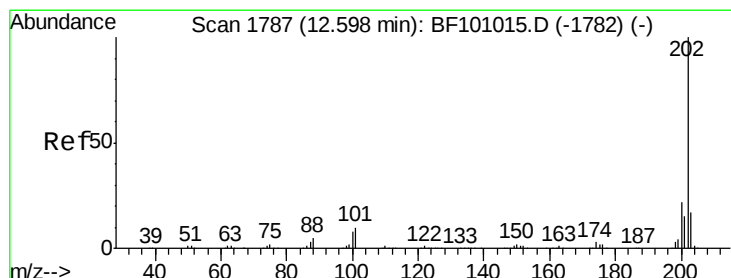
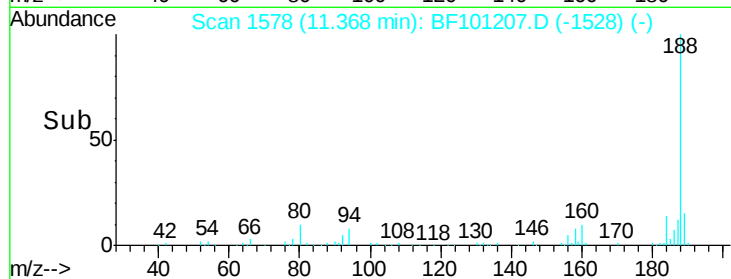
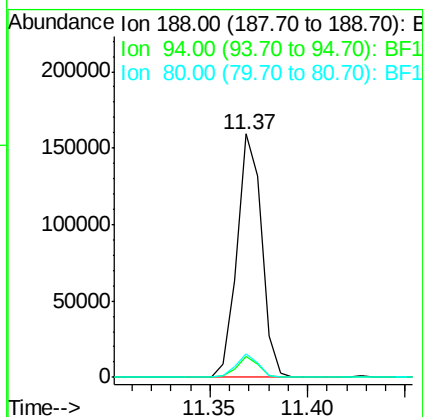
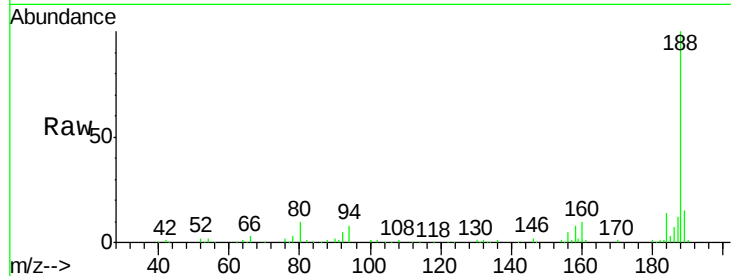
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF101207.D
Acq: 7 Dec 2017 16:09

Instrument :
BNA_F
ClientSampleId :
SOIL-SB006A

Tot Ion	188	Resp	139496
Ion Ratio	Lower	Upper	
188	100		
94	8.5	8.5	12.7
80	9.6	9.2	13.8

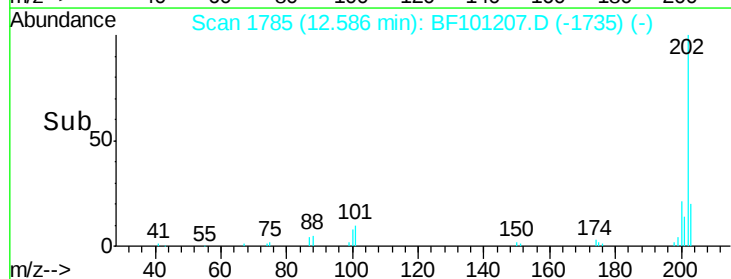
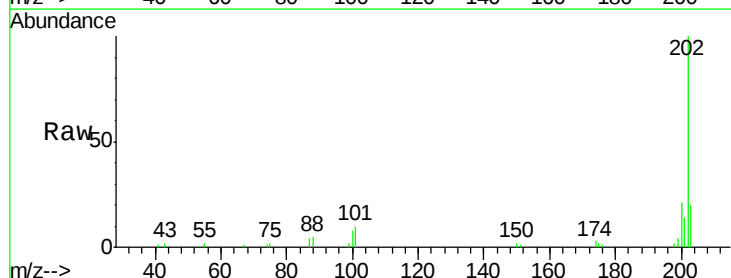
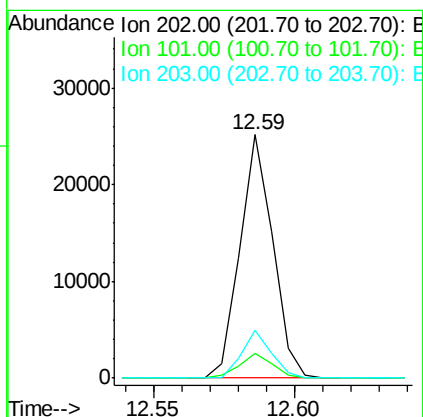
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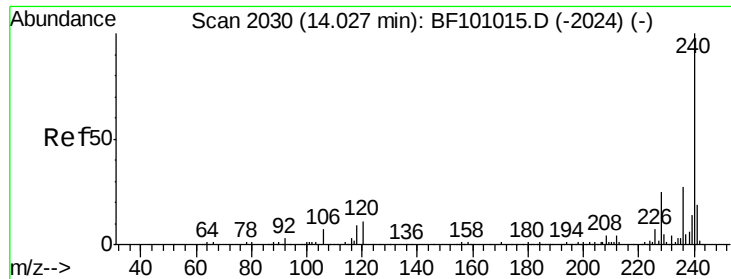
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#74
Fluoranthene
Concen: 2.387 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BF101207.D
Acq: 7 Dec 2017 16:09

Tgt Ion	202	Resp	20328
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	34.1
203	19.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BF101207.D

Acq: 7 Dec 2017 16:09

Instrument :

BNA_F

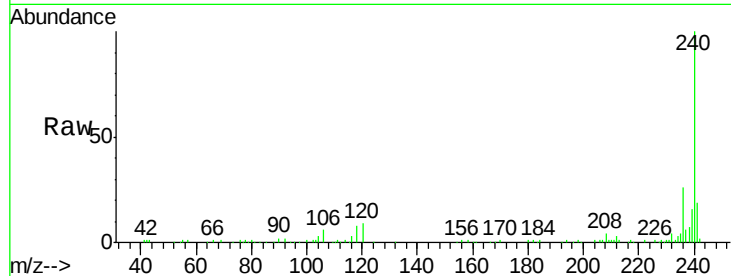
ClientSampleId :

SOIL-SB006A

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.1	9.5	14.3
236	26.0	20.7	31.1

Manual Integrations
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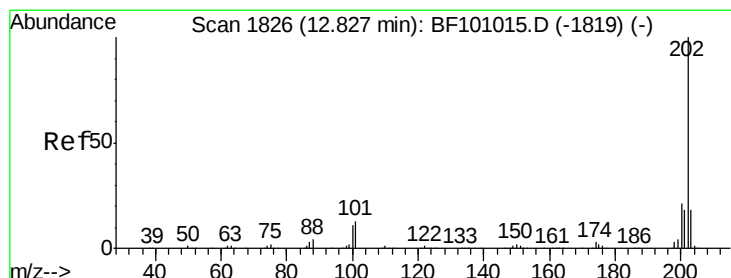
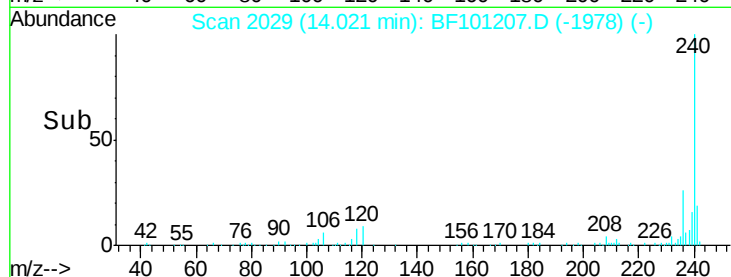
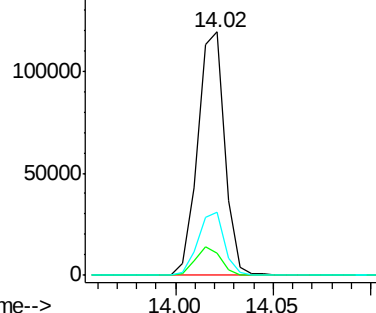
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.120 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF101207.D

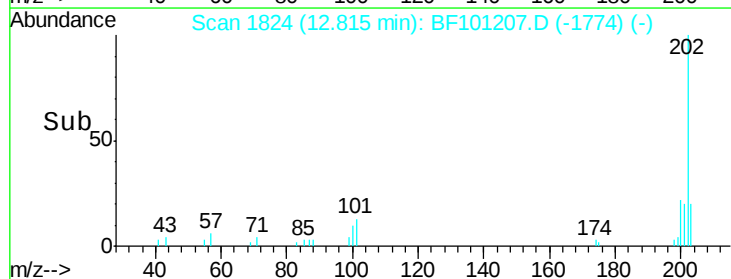
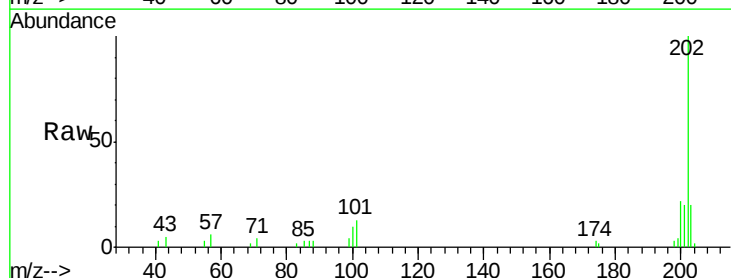
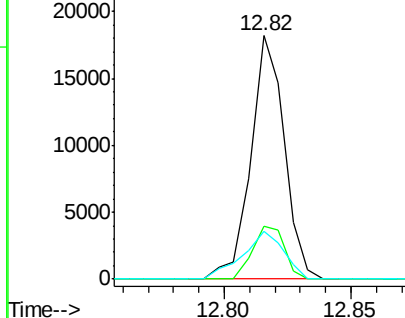
Acq: 7 Dec 2017 16:09

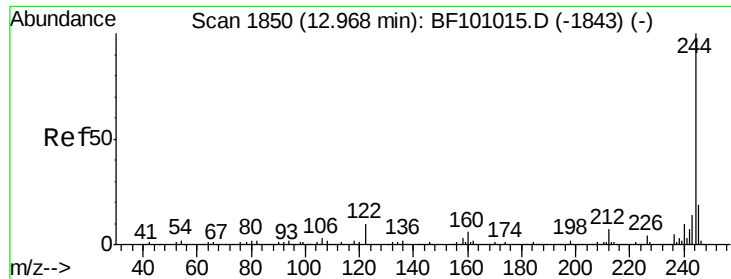
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	19.7	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





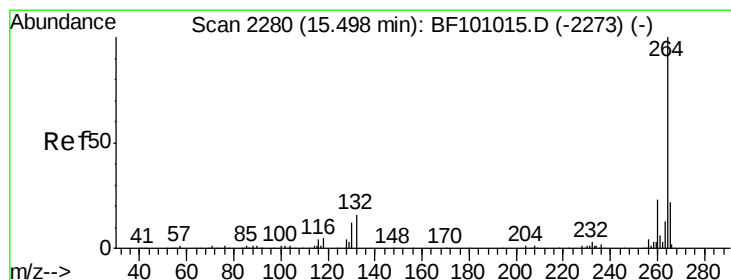
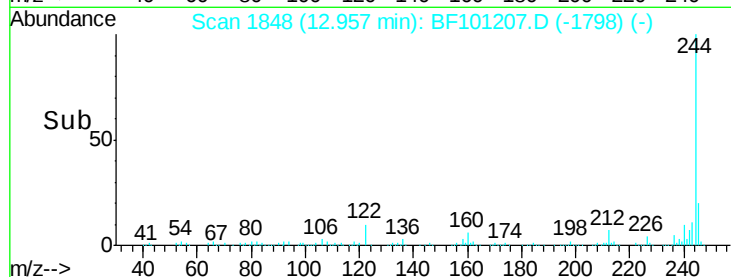
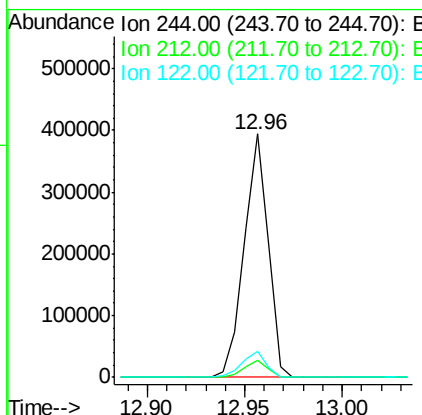
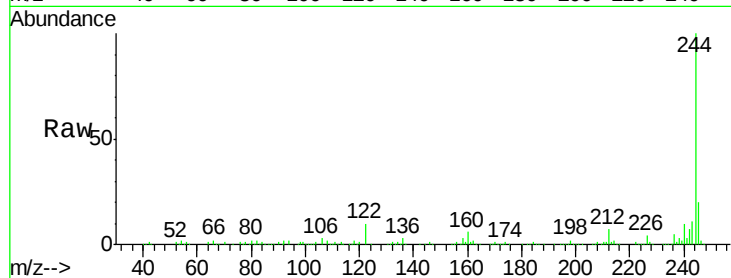
#78
 Terphenyl-d14
 Concen: 63.842 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF101207.D
 Acq: 7 Dec 2017 16:09

Instrument :
 BNA_F
 ClientSampleID :
 SOIL-SB006A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	10.5	11.0	16.4

Manual Integrations
 APPROVED

Sohil
 12/8/2017 11:12:10 AM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. 0.01 min
 Lab File: BF101207.D
 Acq: 7 Dec 2017 16:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.8	17.5	26.3

