

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072018\
 Data File : BF107540.D
 Acq On : 20 Jul 2018 22:44
 Operator : JU/SJ
 Sample : J4057-17
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-5

Manual Integrations
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 7/23/2018 12:44:44 PM

Quant Time: Jul 21 02:29:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	333369	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	1288717	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	560120	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	995913	20.00	ng	0.00
75) Chrysene-d12	14.15	240	682708	20.00	ng	-0.01
86) Perylene-d12	15.69	264	809442	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1758899	84.83	ng	0.00
7) Phenol-d6	6.61	99	2170186	87.17	ng	0.00
23) Nitrobenzene-d5	7.54	82	1321564	69.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	577335	90.64	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	2160737	60.92	ng	0.00
78) Terphenyl-d14	13.09	244	1761134	66.04	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.72	163	160191	3.795	ng	Qvalue # 99
71) Anthracene	11.58	178	232210	4.752	ng	99
74) Fluoranthene	12.72	202	233907	4.492	ng	98
77) Pyrene	12.95	202	232786	4.985	ng	97
80) Benzo(a)anthracene	14.14	228	90698	2.267	ng	97
82) Chrysene	14.18	228	115617	3.008	ng	98
87) Benzo(b)fluoranthene	15.23	252	91671m	2.069	ng	

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

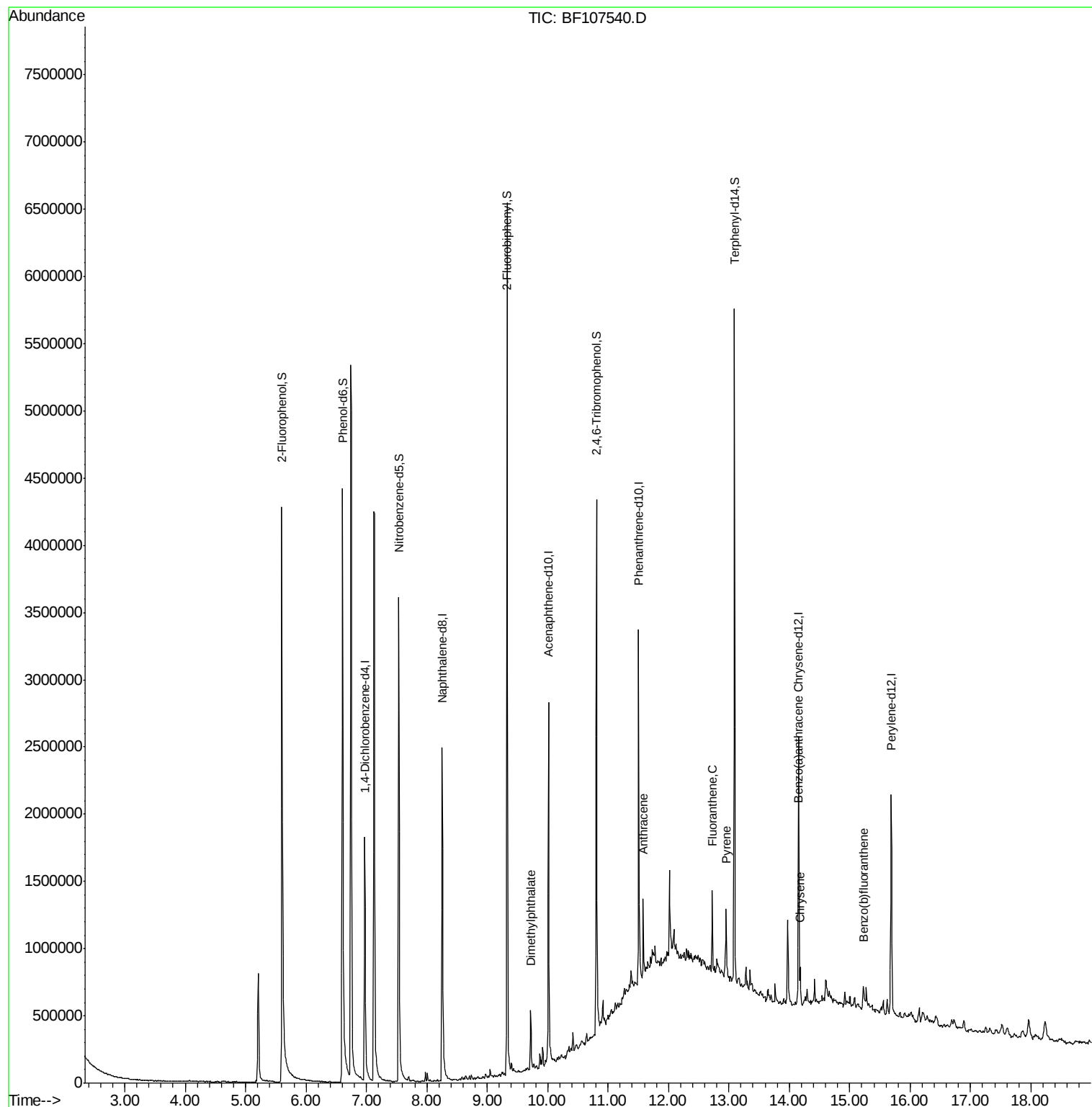
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072018\
Data File : BF107540.D
Acq On : 20 Jul 2018 22:44
Operator : JU/SJ
Sample : J4057-17
Misc :
ALS Vial : 14 Sample Multiplier: 1

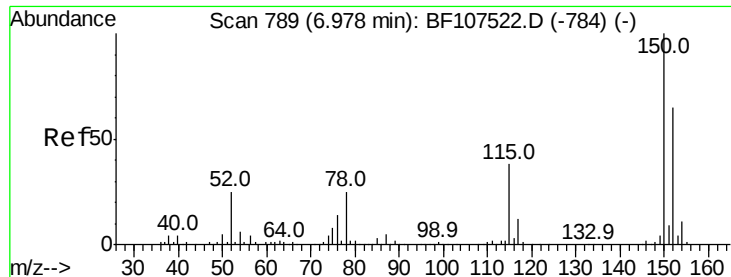
Instrument :
BNA_F
ClientSampleId :
LS-SOIL-5

Quant Time: Jul 21 02:29:23 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 16:29:27 2018
Response via : Initial Calibration

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#1

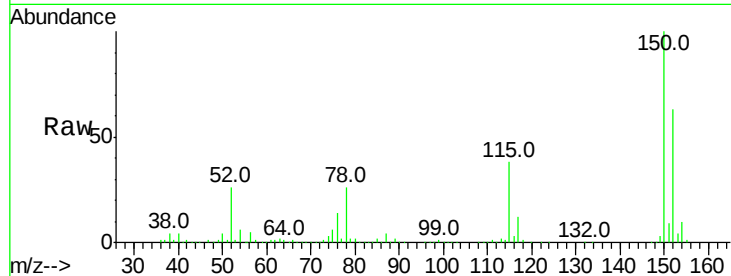
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF107540.D
Acq: 20 Jul 2018 22:44

Instrument :
BNA_F
ClientSampleId :
LS-SOIL-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	60.7	50.1	75.1

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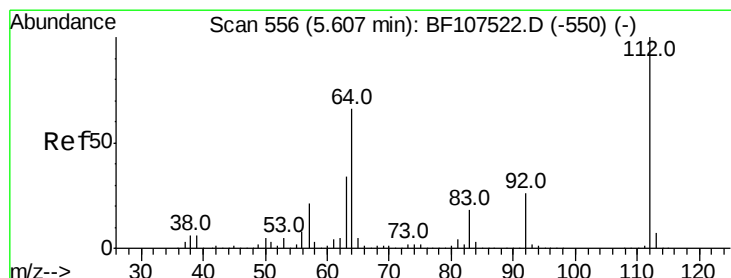
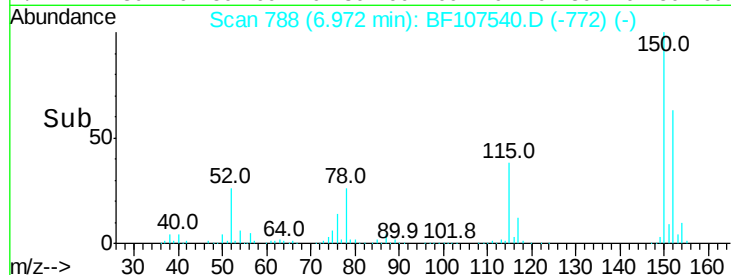
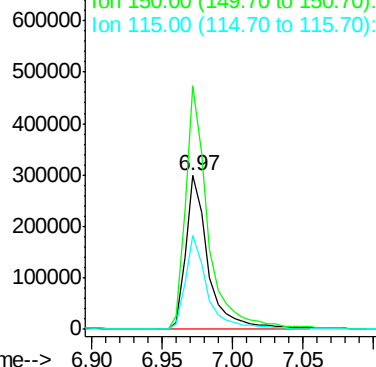


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

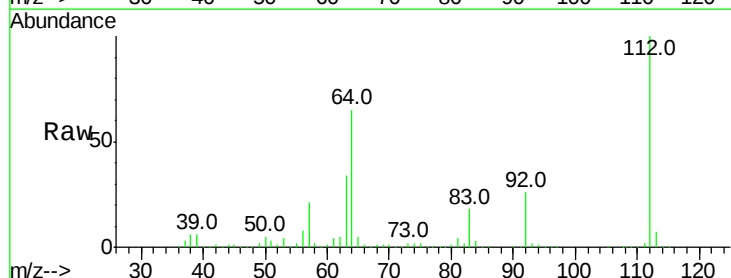
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 84.830 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF107540.D
Acq: 20 Jul 2018 22:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.3	47.9	71.9
63	34.1	23.7	35.5

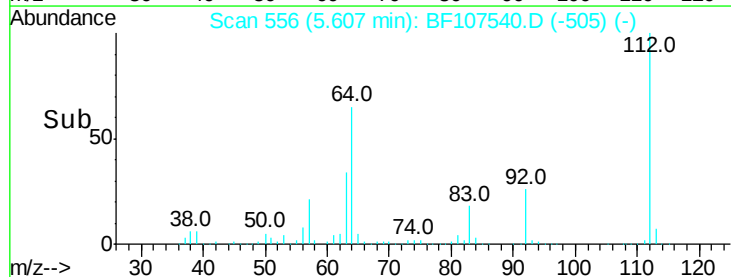
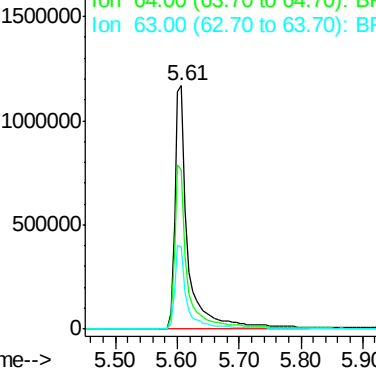


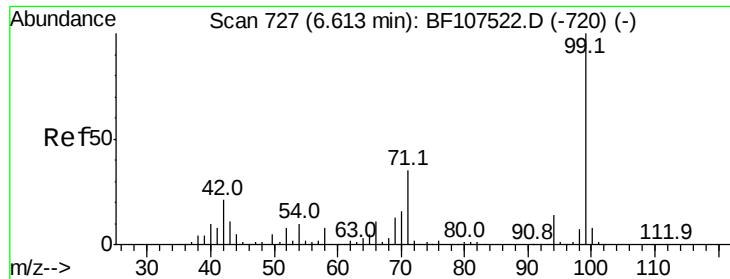
Abundance

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: 87.168 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107540.D

Acq: 20 Jul 2018 22:44

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-5

Tot Ion: 99 Resp: 2170186

Ion Ratio Lower Upper

99 100

42 19.3 14.5 21.7

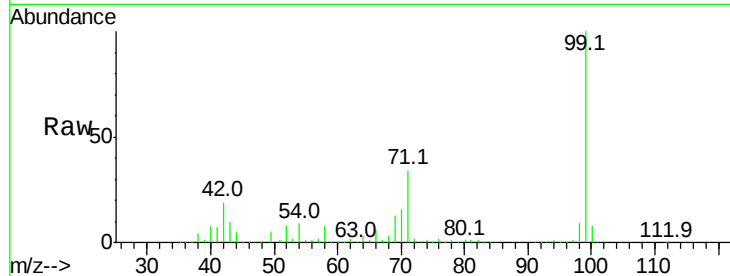
71 33.8 25.4 38.0

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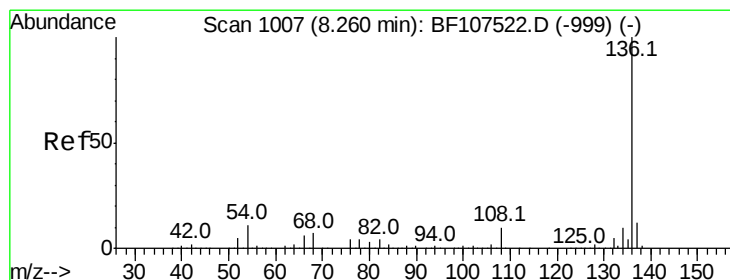
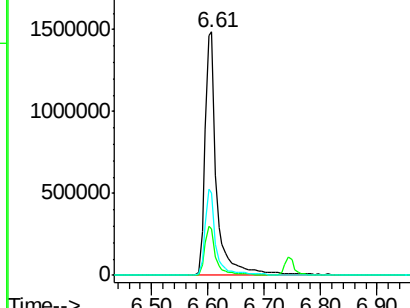
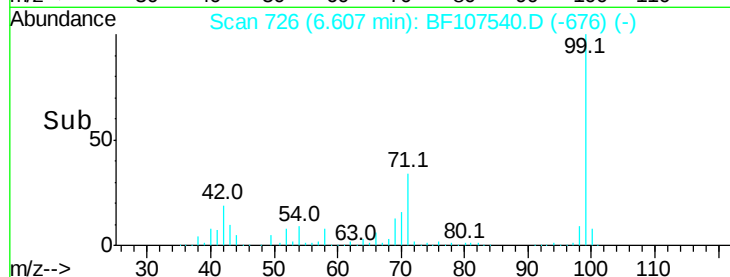
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF107540.D

Acq: 20 Jul 2018 22:44

Tgt Ion:136 Resp: 1288717

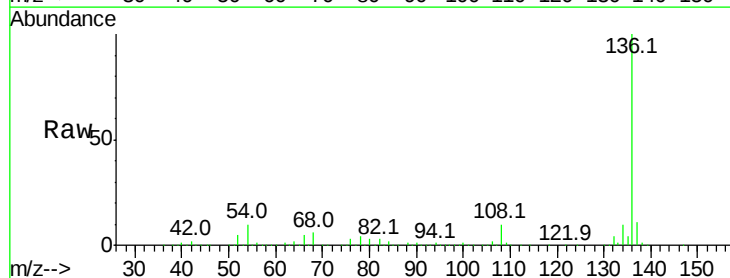
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 10.3 6.6 9.8#

68 6.4 5.0 7.4

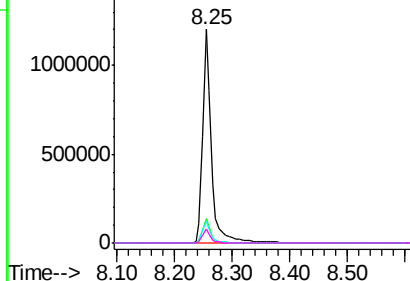
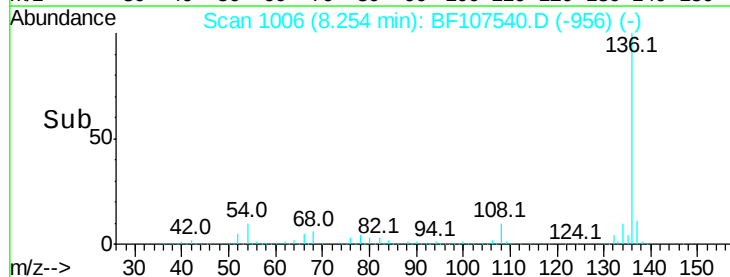


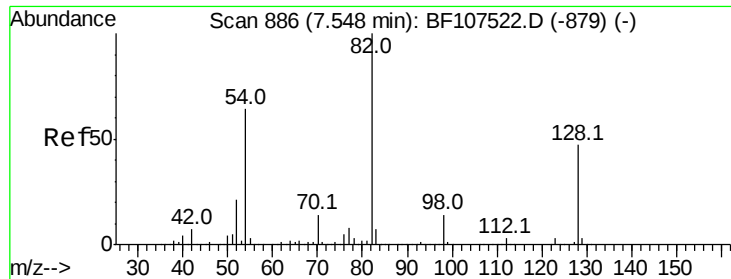
Abundance Ion 136.00 (135.70 to 136.70): E

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





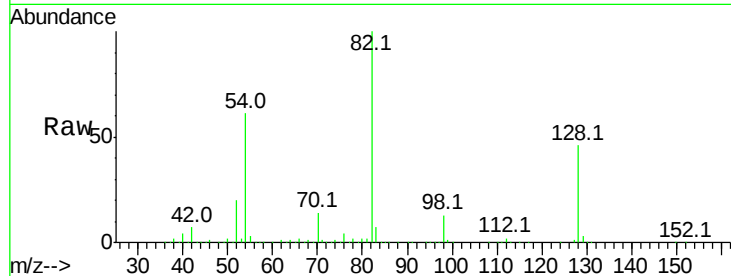
#23
Nitrobenzene-d5
Concen: 69.208 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF107540.D
Acq: 20 Jul 2018 22:44

Instrument :
BNA_F
ClientSampled :
LS-SOIL-5

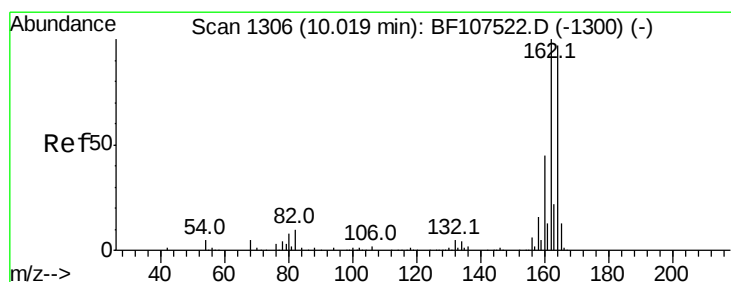
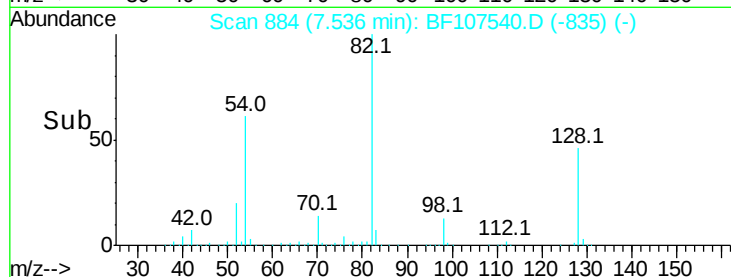
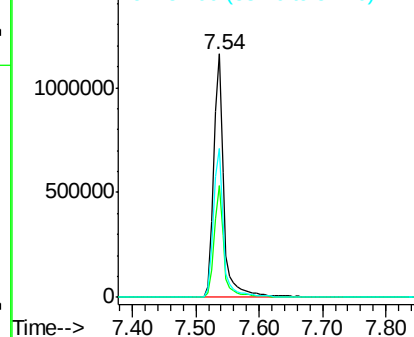
Tot Ion: 82 Resp: 1321564
Ion Ratio Lower Upper
82 100
128 46.0 36.1 54.1
54 61.0 41.4 62.2

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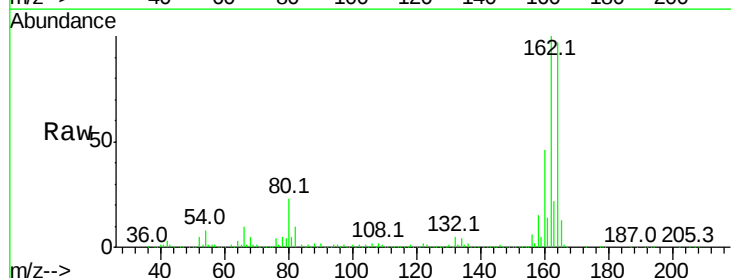


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

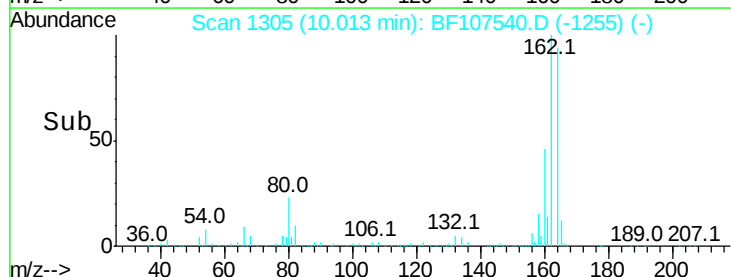
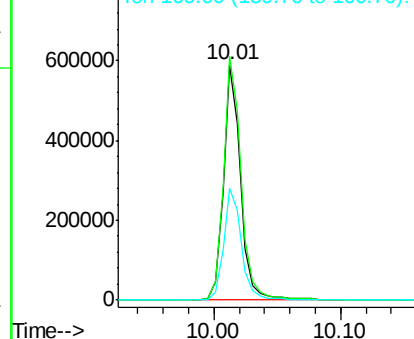


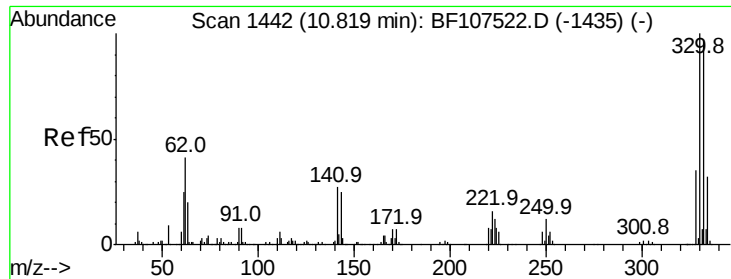
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF107540.D
Acq: 20 Jul 2018 22:44

Tgt Ion:164 Resp: 560120
Ion Ratio Lower Upper
164 100
162 103.5 86.1 129.1
160 47.7 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





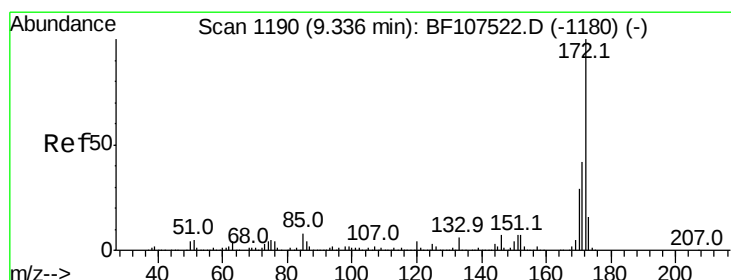
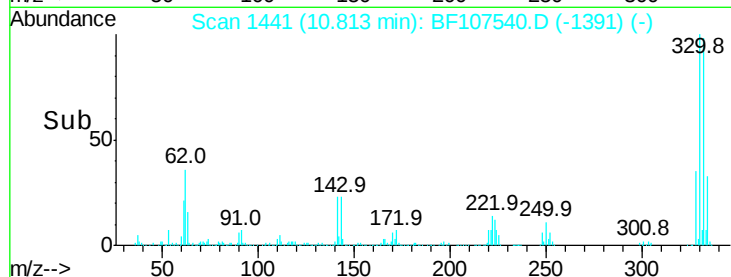
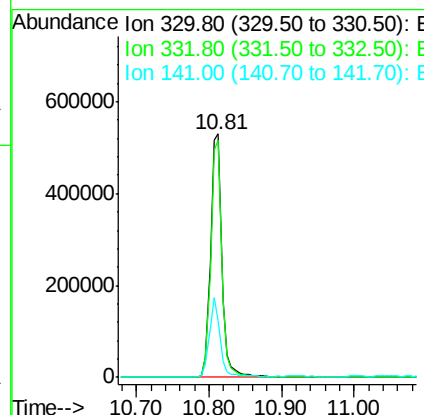
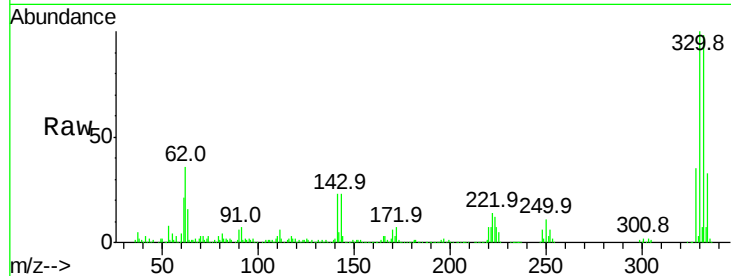
#41
 2,4,6-Tribromophenol
 Concen: 90.641 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF107540.D
 Acq: 20 Jul 2018 22:44

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-5

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.9	77.0	115.6	
141	30.4	29.9	44.9	

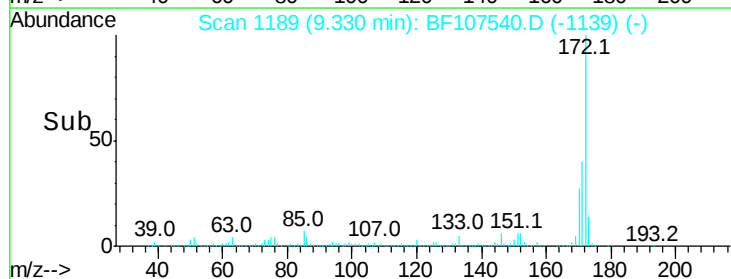
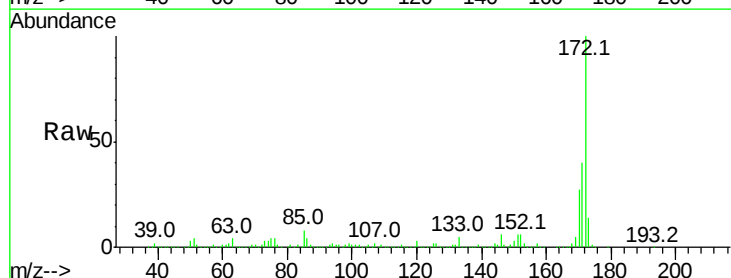
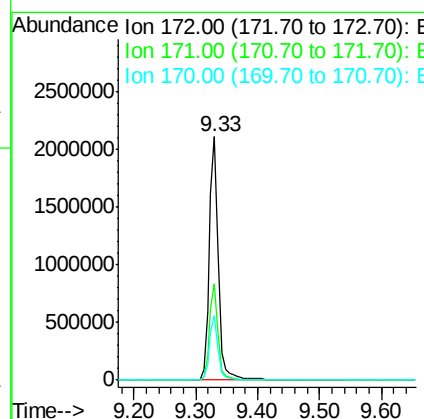
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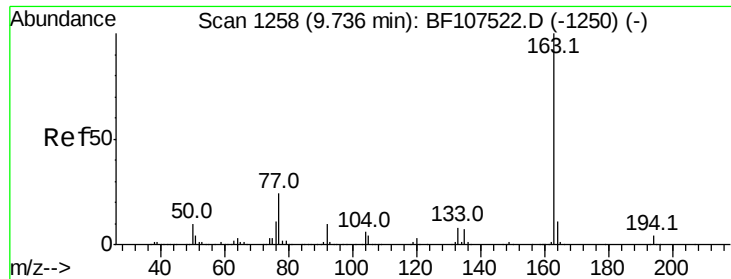
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#44
 2-Fluorobiphenyl
 Concen: 60.922 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF107540.D
 Acq: 20 Jul 2018 22:44

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	39.8	29.7	44.5	
170	26.6	19.6	29.4	





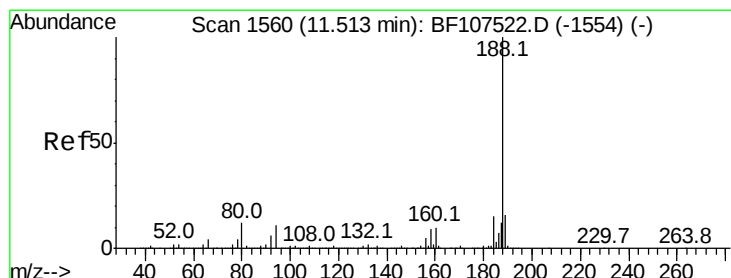
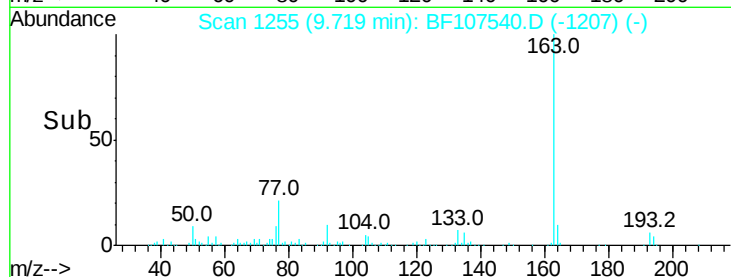
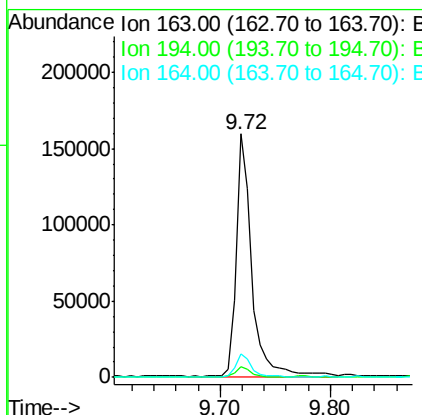
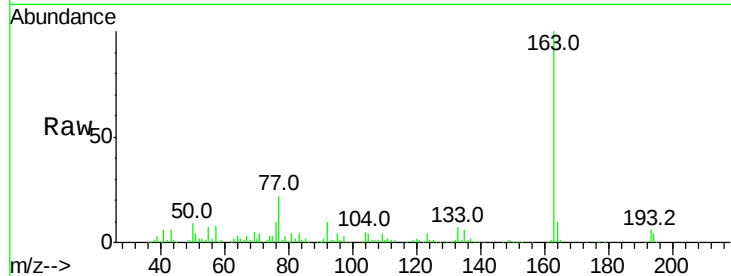
#49
Dimethylphthalate
Concen: 3.795 ng
RT: 9.72 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF107540.D
Acq: 20 Jul 2018 22:44

Instrument :
BNA_F
ClientSampleId :
LS-SOIL-5

Tot Ion	Ratio	Resp	Lower	Upper
163	100	160191		
194	4.2	2.7	4.1#	
164	9.9	8.2	12.2	

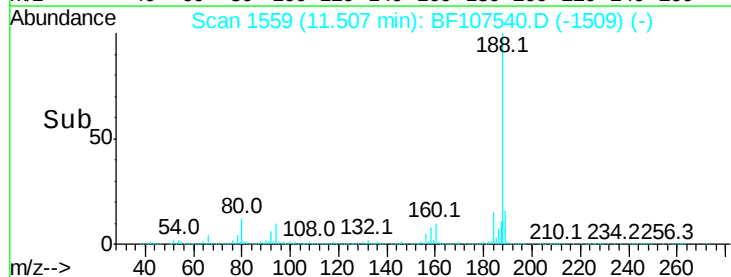
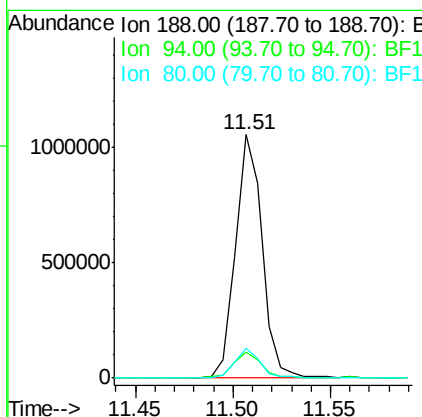
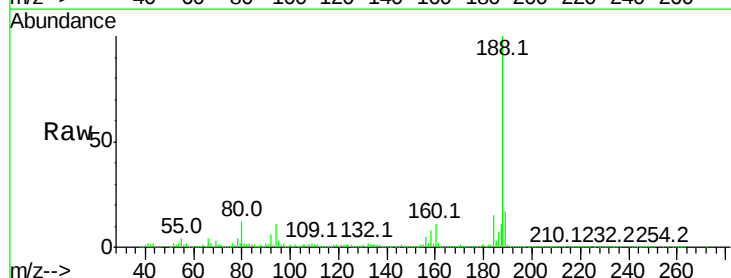
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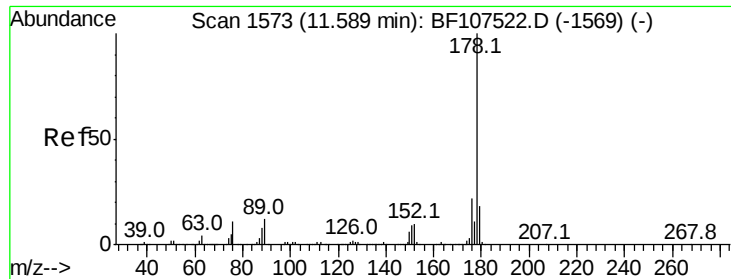
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF107540.D
Acq: 20 Jul 2018 22:44

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	995913		
94	10.7	8.5	12.7	
80	12.0	9.2	13.8	





#71

Anthracene

Concen: 4.752 ng

RT: 11.58 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF107540.D

Acq: 20 Jul 2018 22:44

Instrument :

BNA_F

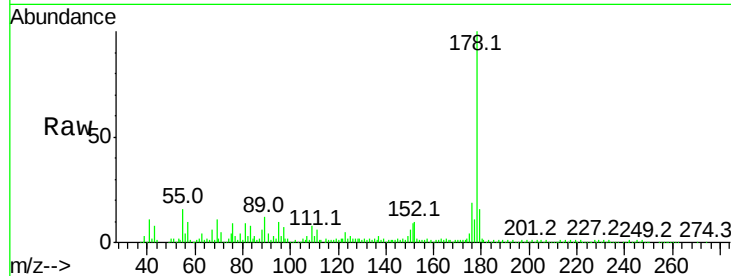
ClientSampleId :

LS-SOIL-5

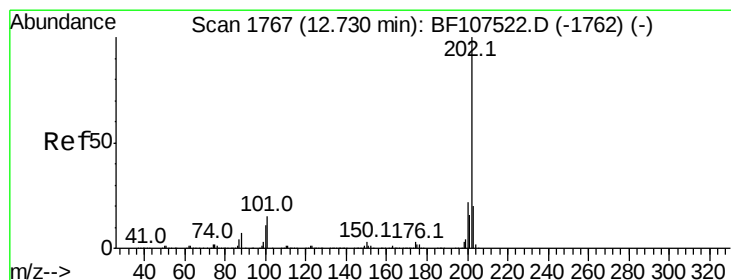
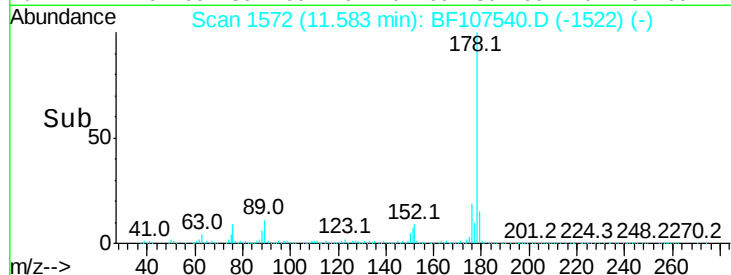
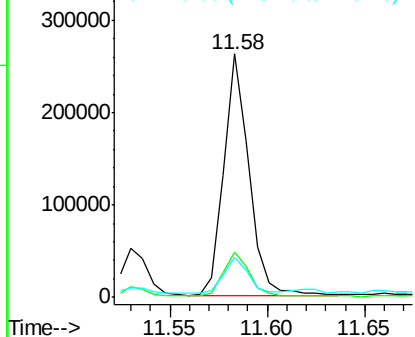
Tot Ion:	178	Resp:	232210
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.4	23.2
179	16.4	12.6	19.0

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



#74

Fluoranthene

Concen: 4.492 ng

RT: 12.72 min Scan# 1766

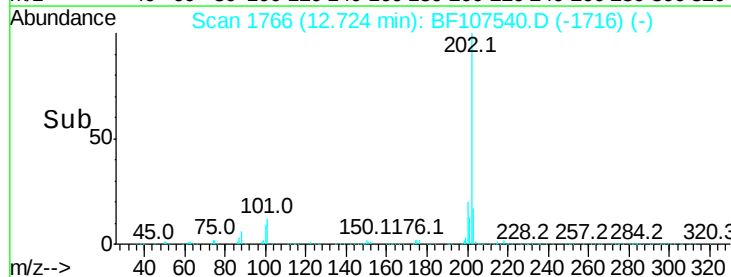
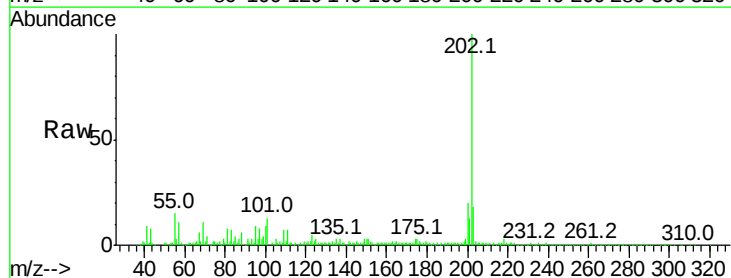
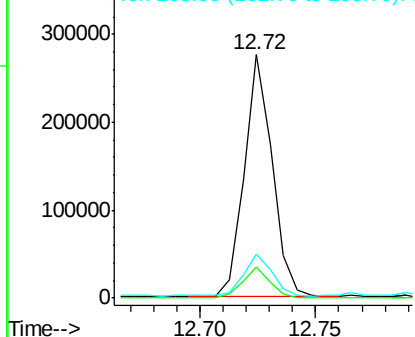
Delta R.T. -0.01 min

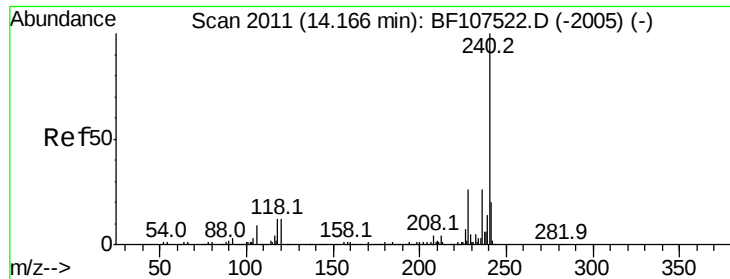
Lab File: BF107540.D

Acq: 20 Jul 2018 22:44

Tgt Ion:	202	Resp:	233907
Ion Ratio	Lower	Upper	
202	100		
101	12.6	0.0	34.1
203	18.0	0.0	38.1

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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF107540.D

Acq: 20 Jul 2018 22:44

Instrument :

BNA_F

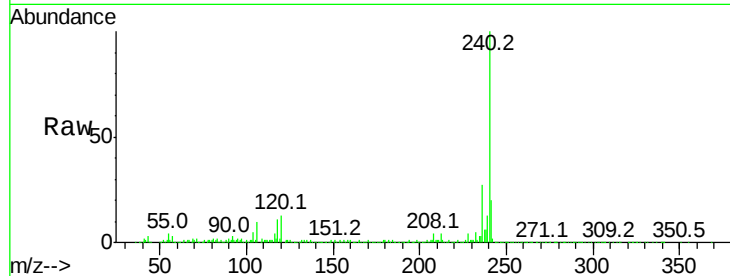
ClientSampleId :

LS-SOIL-5

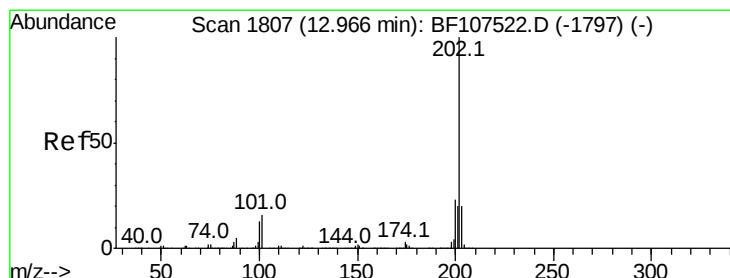
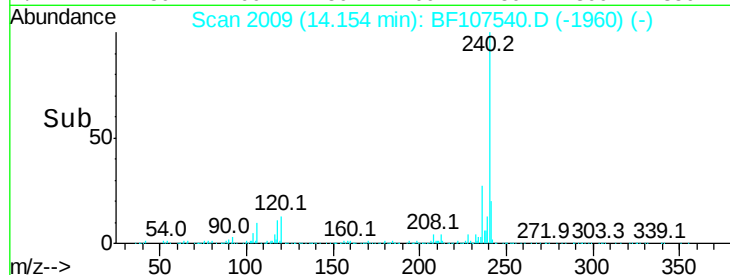
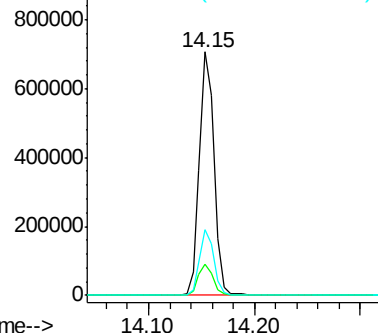
Tot Ion:	240	Resp:	682708
Ion Ratio	Lower	Upper	
240	100		
120	13.0	9.5	14.3
236	26.8	20.7	31.1

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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: 4.985 ng

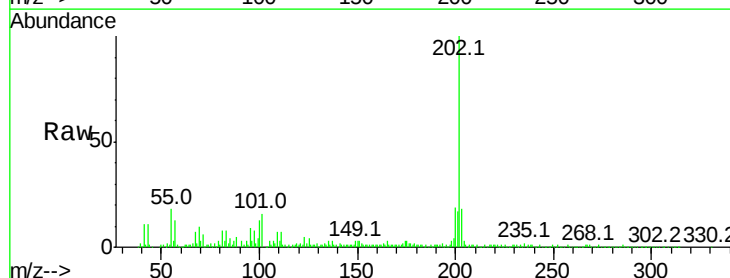
RT: 12.95 min Scan# 1805

Delta R.T. -0.01 min

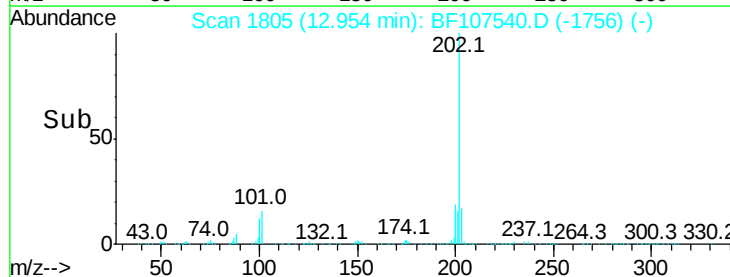
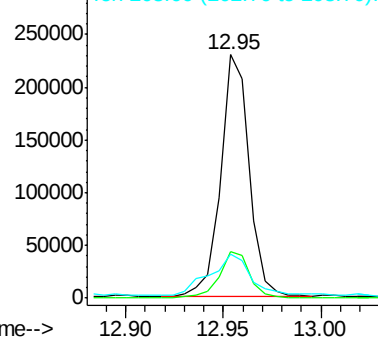
Lab File: BF107540.D

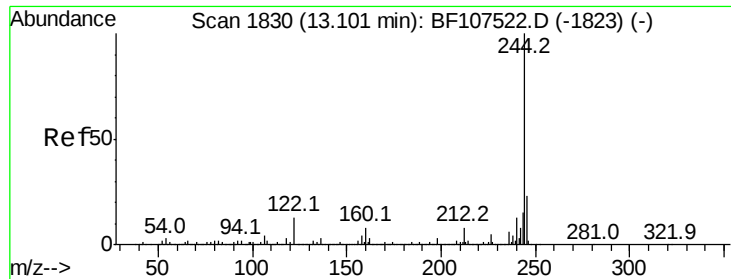
Acq: 20 Jul 2018 22:44

Tgt Ion:	202	Resp:	232786
Ion Ratio	Lower	Upper	
202	100		
200	19.3	17.4	26.2
203	18.1	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





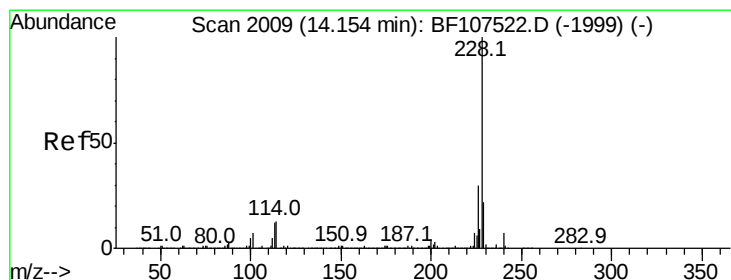
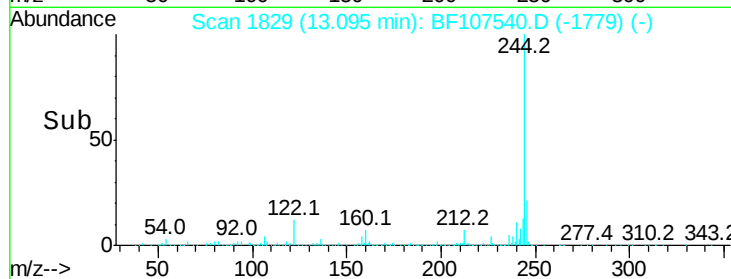
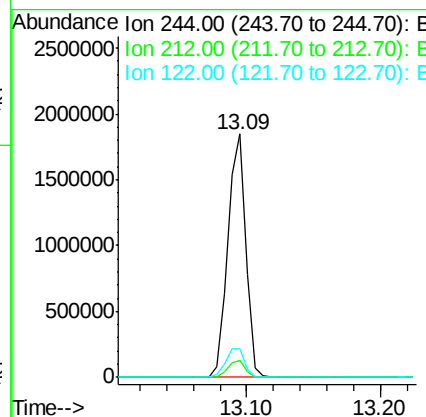
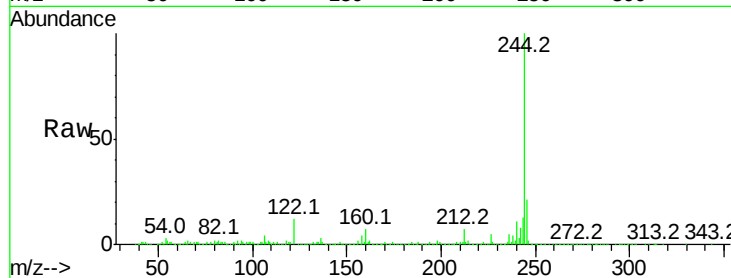
#78
 Terphenyl-d14
 Concen: 66.041 ng
 RT: 13.09 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF107540.D
 Acq: 20 Jul 2018 22:44

Instrument :
 BNA_F
 ClientSampled :
 LS-SOIL-5

Tot Ion:244 Resp: 1761134
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 11.9 11.0 16.4

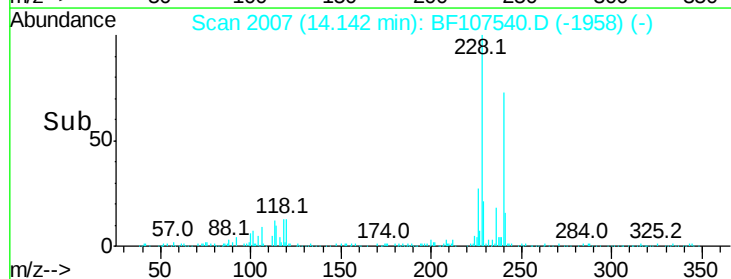
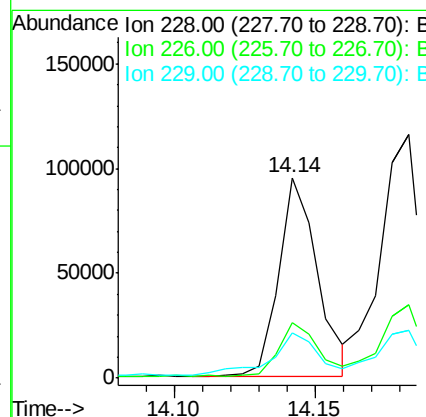
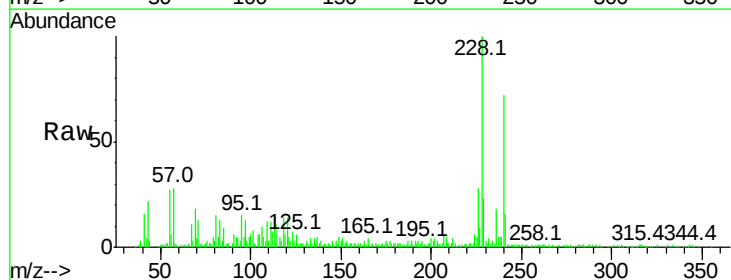
Manual Integrations
 APPROVED

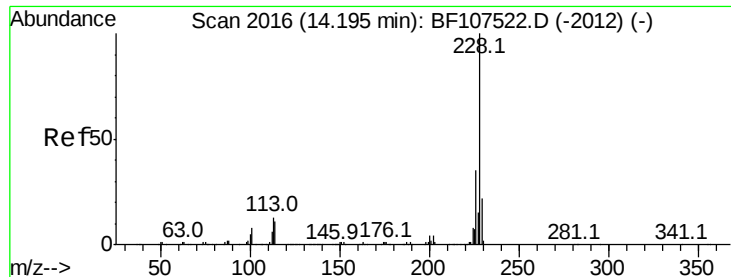
Sohil
 7/23/2018 12:44:44 PM



#80
 Benzo(a)anthracene
 Concen: 2.267 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF107540.D
 Acq: 20 Jul 2018 22:44

Tgt Ion:228 Resp: 90698
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.6 33.8
 229 22.7 15.8 23.6





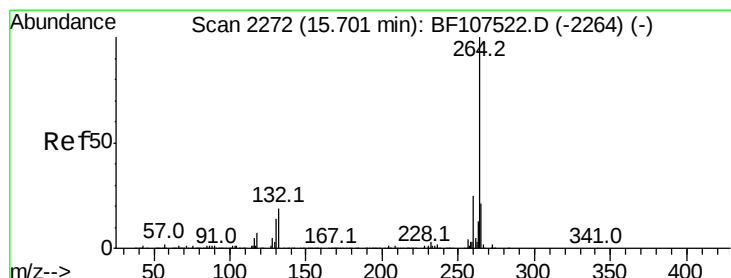
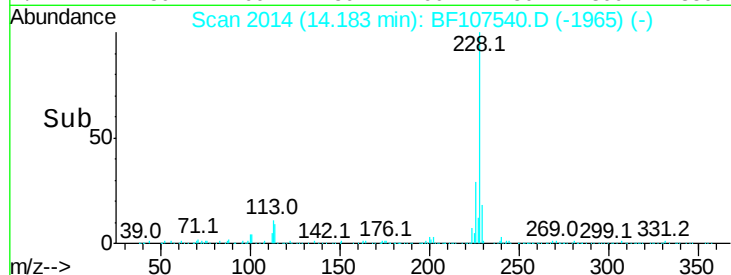
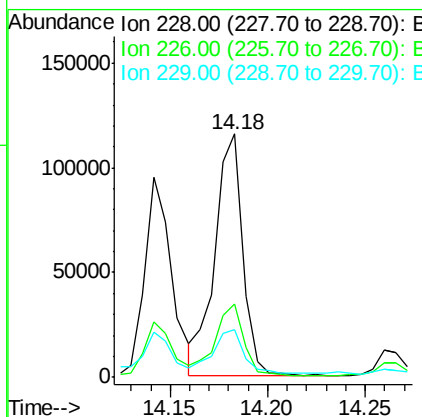
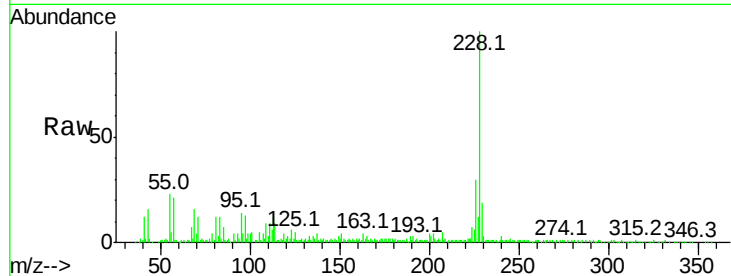
#82
Chrysene
Concen: 3.008 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF107540.D
Acq: 20 Jul 2018 22:44

Instrument :
BNA_F
ClientSampleId :
LS-SOIL-5

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	19.5	16.2	24.4

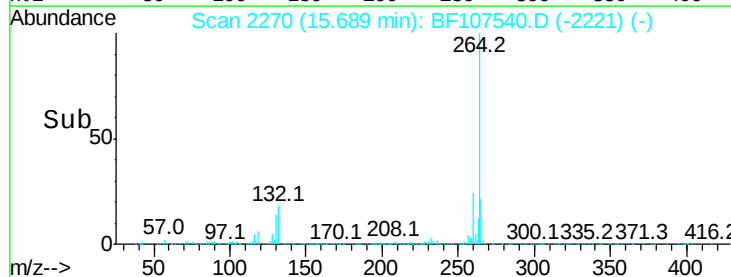
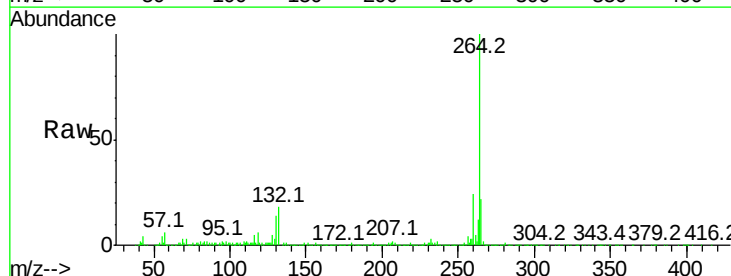
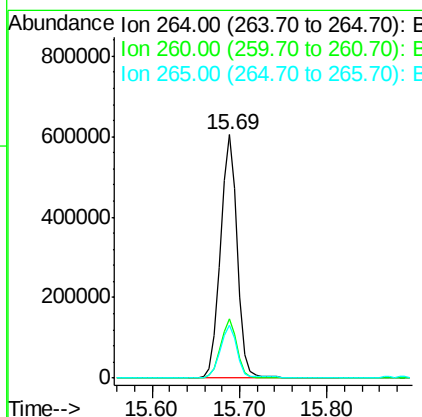
Manual Integrations
APPROVED

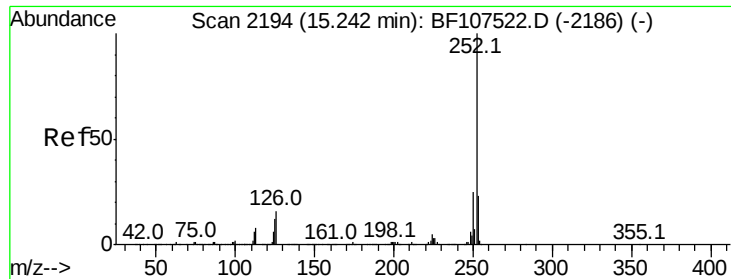
Sohil
7/23/2018 12:44:44 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF107540.D
Acq: 20 Jul 2018 22:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.6	17.5	26.3





#87
 Benzo(b)fluoranthene
 Concen: 2.069 ng m
 RT: 15.23 min Scan# 2192
 Delta R.T. -0.01 min
 Lab File: BF107540.D
 Acq: 20 Jul 2018 22:44

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.0	25.6
125	18.4	9.0	13.6

Manual Integrations
 APPROVED

Sohil
 7/23/2018 12:44:44 PM

