

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
 Data File : BF107417.D
 Acq On : 16 Jul 2018 22:01
 Operator : JU/SJ
 Sample : J3542-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-3

Manual Integrations
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Quant Time: Jul 17 10:42:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 16 17:24:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	134722	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	511047	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	245958	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	425738	20.00	ng	0.00
75) Chrysene-d12	14.16	240	375645	20.00	ng	0.00
86) Perylene-d12	15.69	264	396970	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	828928	93.45	ng	0.00
7) Phenol-d6	6.60	99	1064075	92.78	ng	0.00
23) Nitrobenzene-d5	7.54	82	736722	76.87	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	188519	87.24	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1211310	81.69	ng	0.00
78) Terphenyl-d14	13.10	244	999004	66.08	ng	0.00
Target Compounds						
10) Phenol	6.61	94	33160	2.697	ng	Qvalue # 74
31) Naphthalene	8.28	128	121929	4.912	ng	96
37) 2-Methylnaphthalene	8.97	142	82375	5.034	ng	# 92
45) 1,1'-Biphenyl	9.44	154	48288	2.271	ng	98
49) Dimethylphthalate	9.73	163	286304	14.651	ng	100
51) Acenaphthene	10.05	154	247226	15.910	ng	96
54) Dibenzofuran	10.22	168	282912	11.782	ng	96
57) Fluorene	10.57	166	288085	18.115	ng	91
70) Phenanthrene	11.54	178	977007	46.048	ng	98
71) Anthracene	11.59	178	368800	17.452	ng	98
72) Carbazole	11.74	167	117517	5.874	ng	95
74) Fluoranthene	12.74	202	583617	24.201	ng	92
77) Pvrene	12.96	202	448079	17.541	ng	99
80) Benzo(a)anthracene	14.15	228	121977	5.307	ng	96
82) Chrysene	14.18	228	132641m	6.041	ng	
87) Benzo(b)fluoranthene	15.23	252	86109m	3.706	ng	
89) Benzo(a)pvrene	15.61	252	49444	2.318	ng	# 87

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

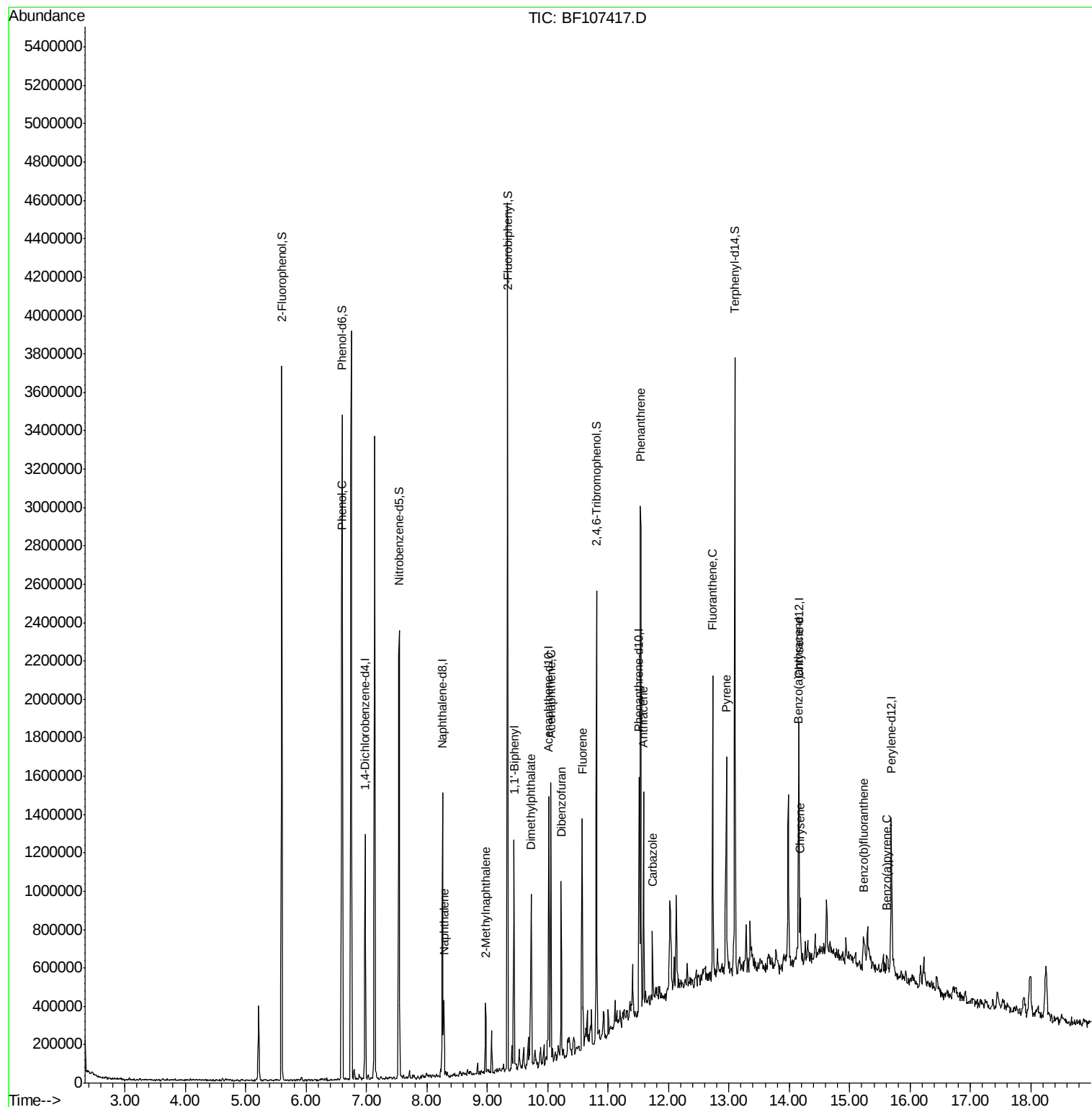
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
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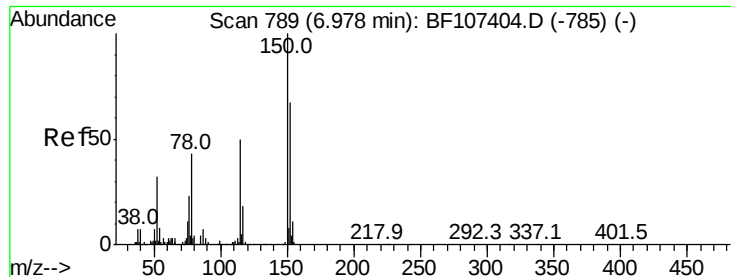
Instrument :
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Quant Time: Jul 17 10:42:58 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

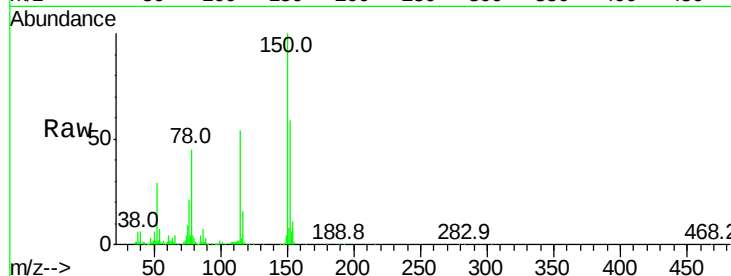
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Instrument :
BNA_F
ClientSampleId :
LS-SOIL-3

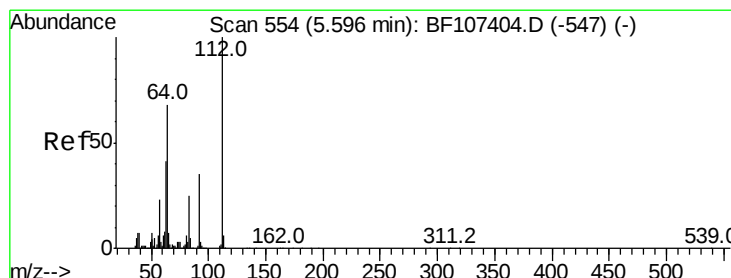
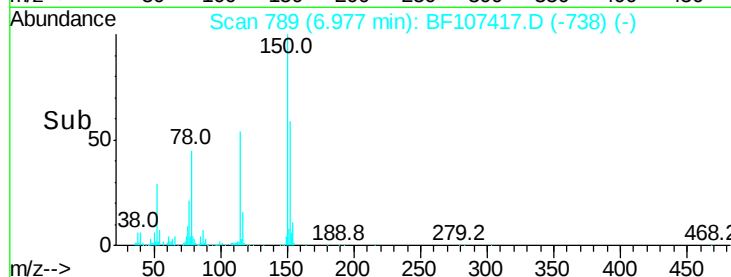
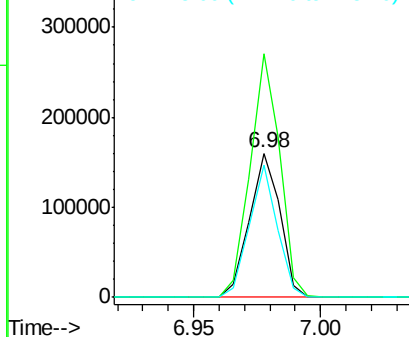
Tot Ion	Ratio	Lower	Upper
152	100		
150	169.1	124.6	186.8
115	92.1	50.1	75.1#

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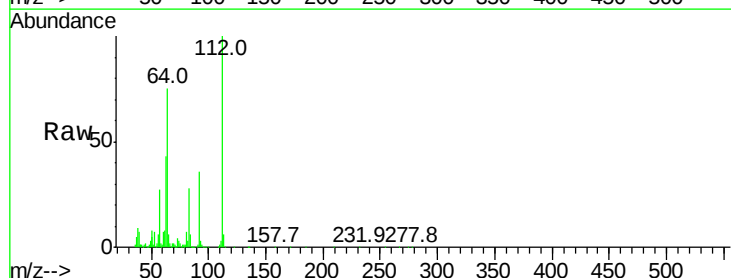
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



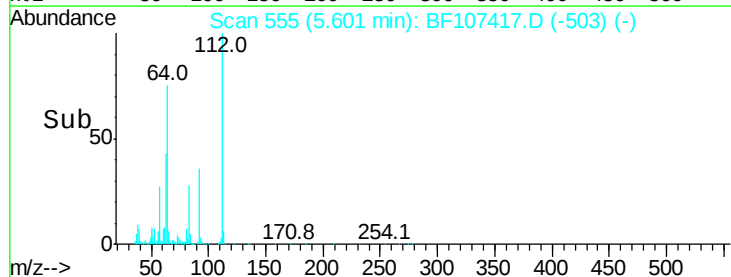
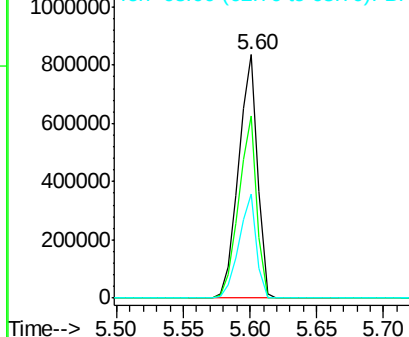
#5

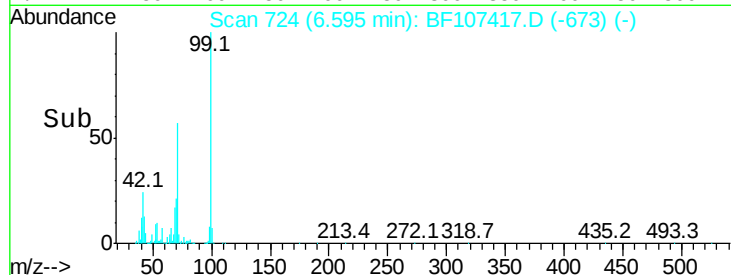
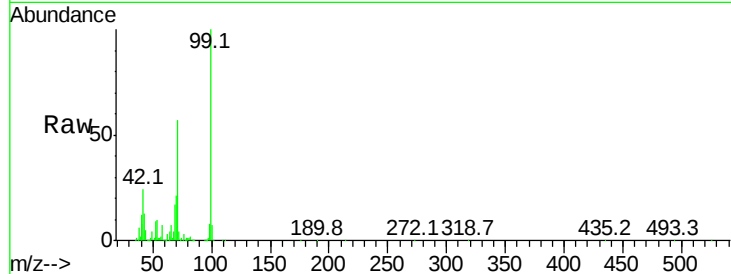
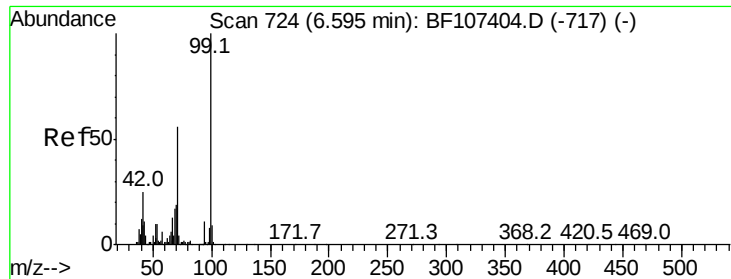
2-Fluorophenol
Concen: 93.446 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.7	47.9	71.9#
63	42.8	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: 92.781 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.00 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Tot Ion: 99 Resp: 1064075

Ion Ratio Lower Upper

99 100

42 23.9 14.5 21.7#

71 57.0 25.4 38.0#

Instrument :

BNA_F

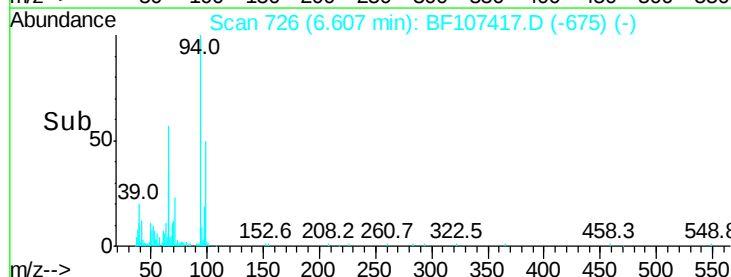
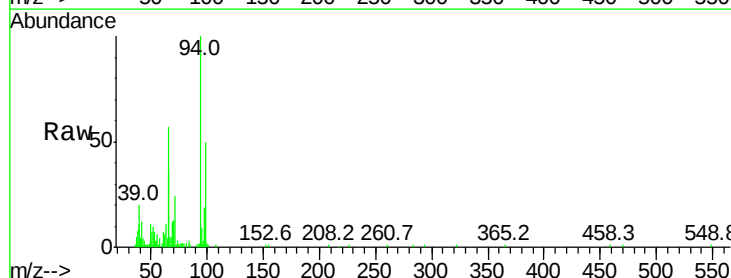
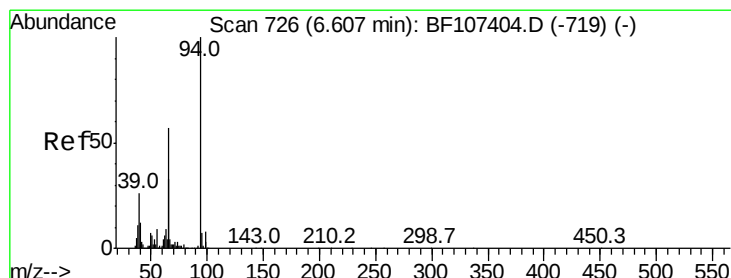
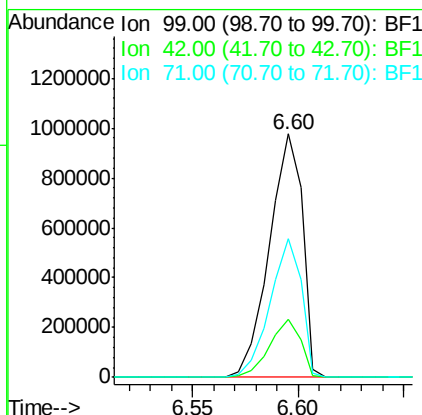
ClientSampled :

LS-SOIL-3

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#10

Phenol

Concen: 2.697 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

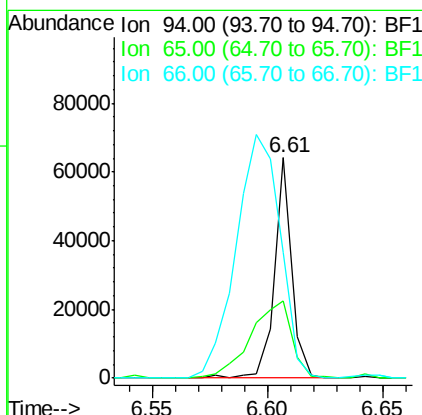
Tgt Ion: 94 Resp: 33160

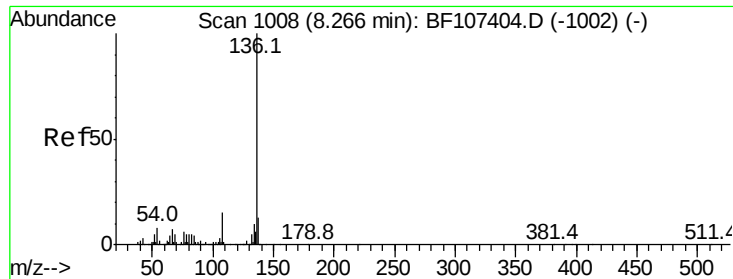
Ion Ratio Lower Upper

94 100

65 34.8 7.9 47.9

66 57.0 16.2 56.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

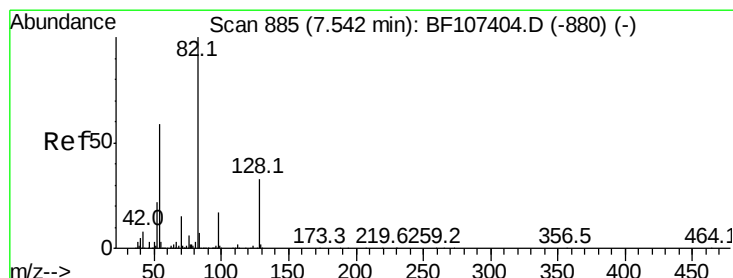
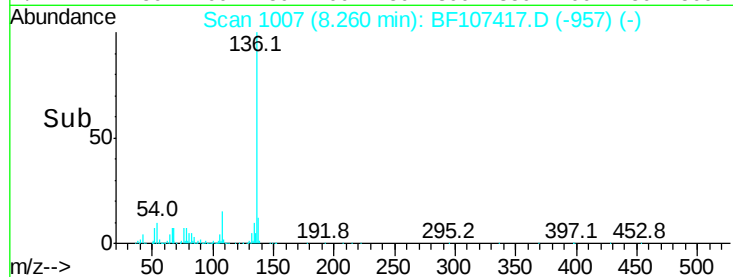
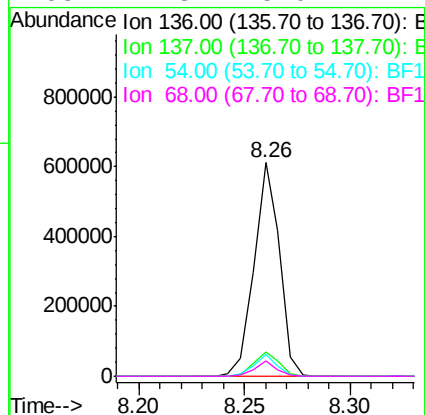
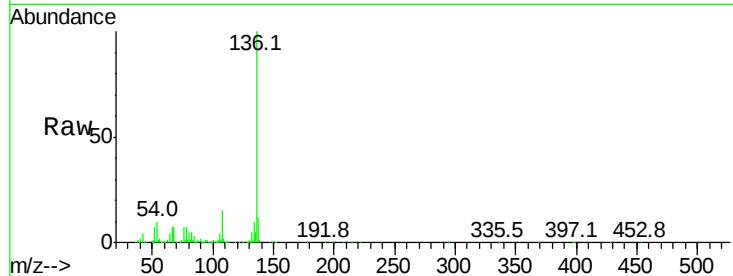
ClientSampleId :

LS-SOIL-3

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.6	8.9	13.3
54	9.9	6.6	9.8
68	7.3	5.0	7.4

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#23

Nitrobenzene-d5

Concen: 76.872 ng

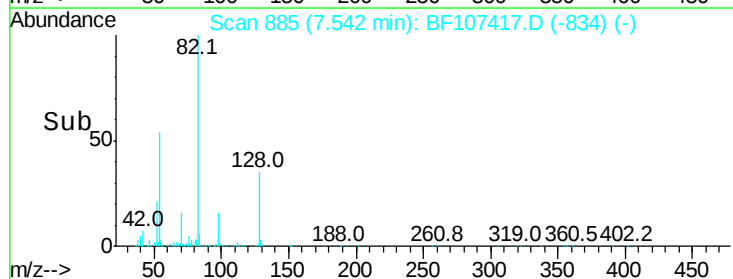
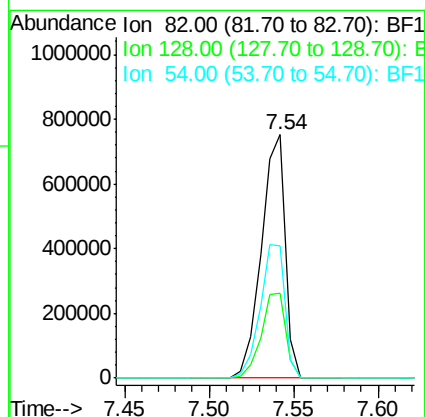
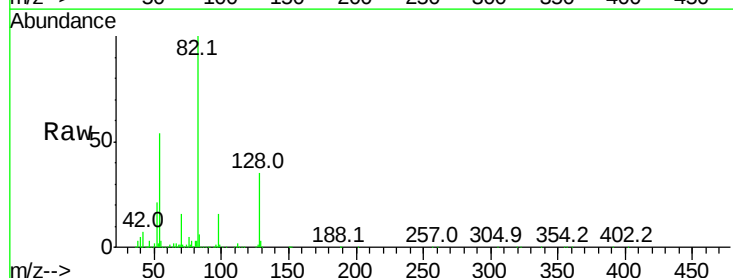
RT: 7.54 min Scan# 885

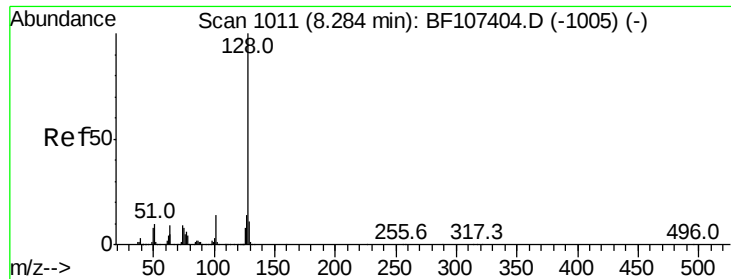
Delta R.T. -0.00 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	35.1	36.1	54.1
54	54.1	41.4	62.2





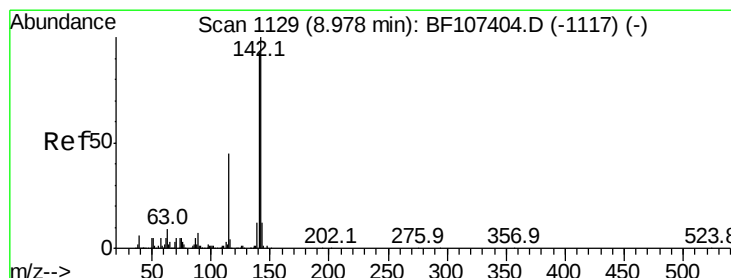
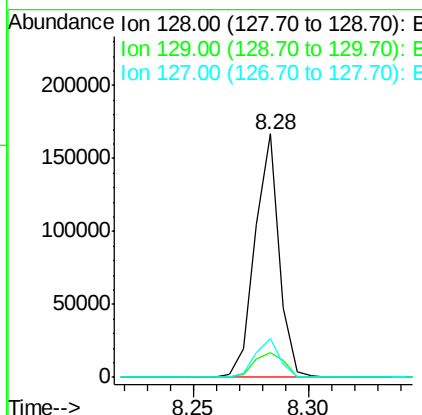
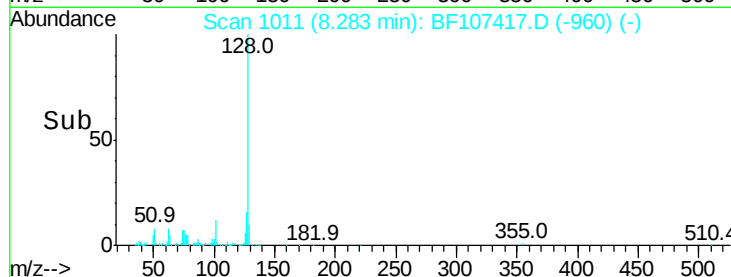
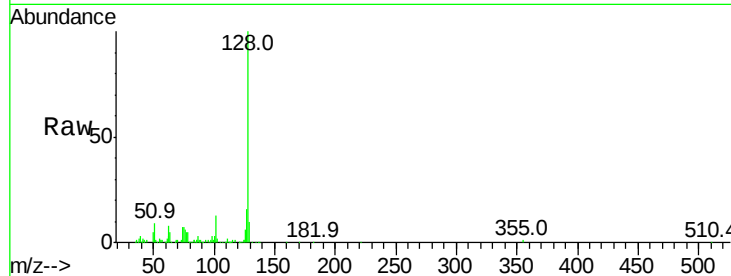
#31
Naphthalene
Concen: 4.912 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Instrument :
BNA_F
ClientSampleId :
LS-SOIL-3

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.1	8.8	13.2
127	15.9	10.9	16.3

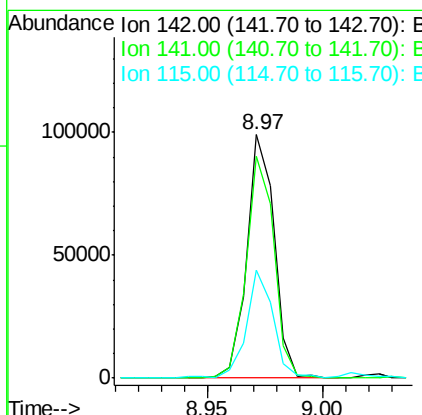
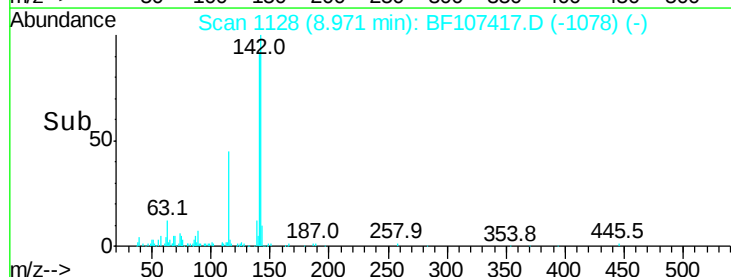
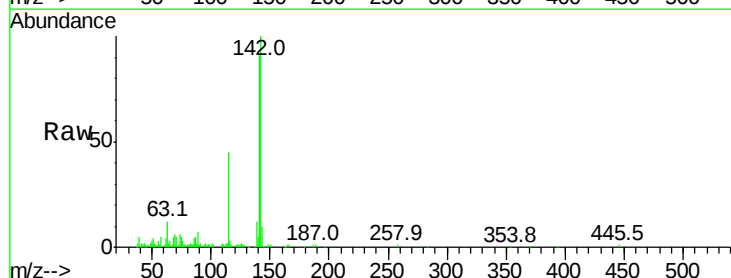
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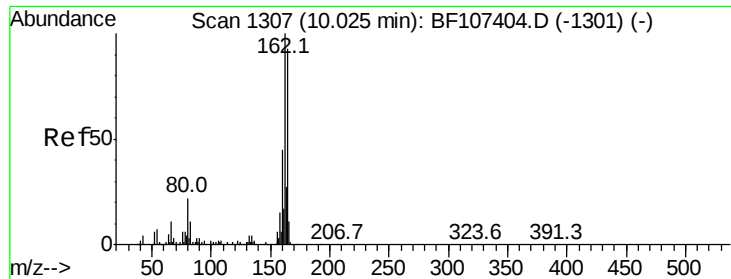
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#37
2-Methylnaphthalene
Concen: 5.034 ng
RT: 8.97 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.3	70.8	106.2
115	44.5	26.1	39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF107417.D

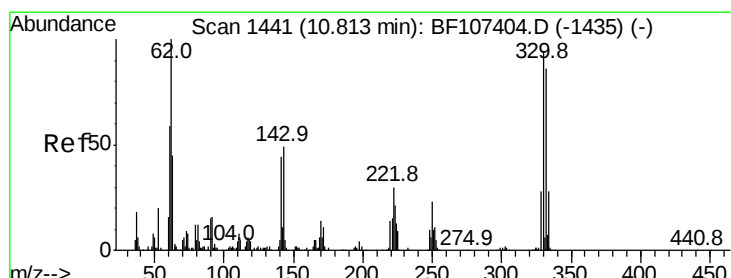
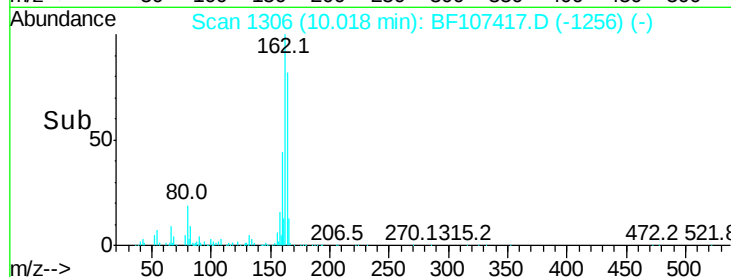
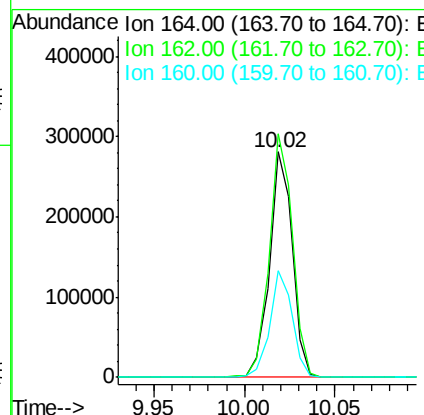
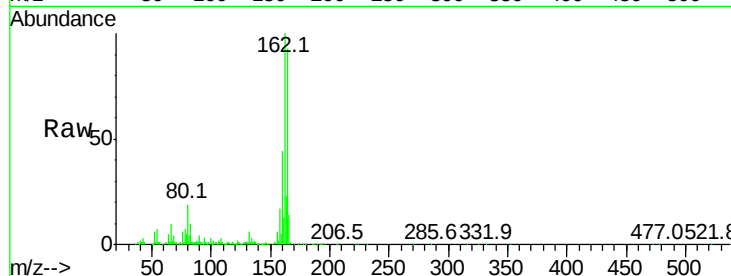
Acq: 16 Jul 2018 22:01

Instrument :
BNA_F
ClientSampleId :
LS-SOIL-3

Tot Ion	Ratio	Lower	Upper
164	100		
162	107.9	86.1	129.1
160	47.4	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 87.236 ng

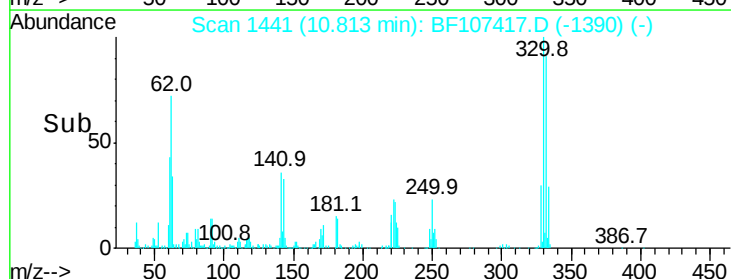
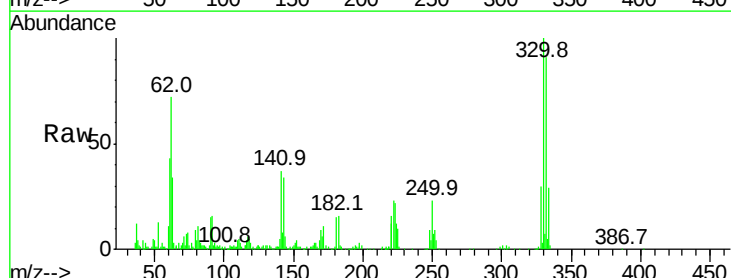
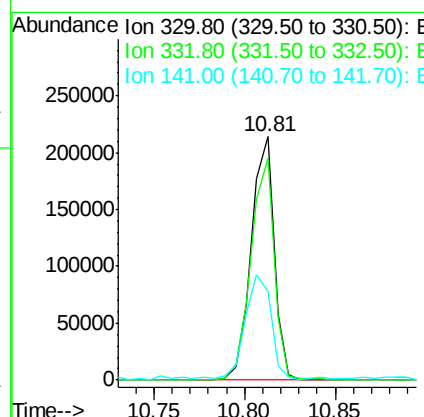
RT: 10.81 min Scan# 1441

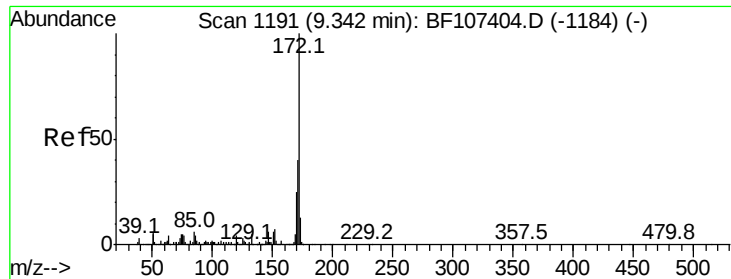
Delta R.T. -0.00 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.7	77.0	115.6
141	47.8	29.9	44.9





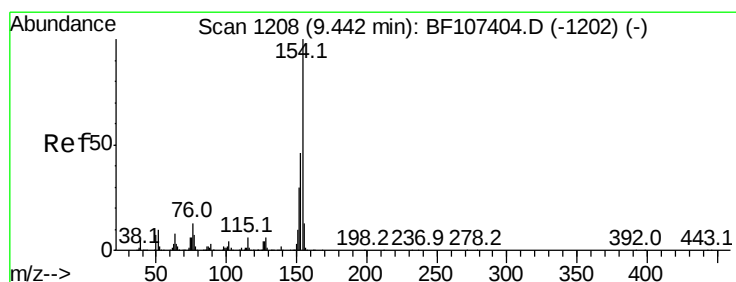
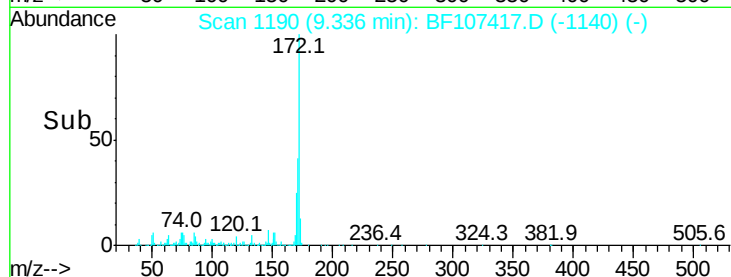
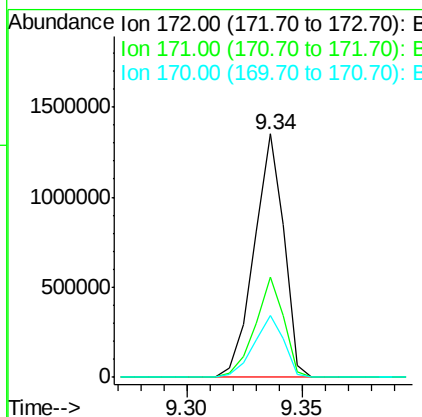
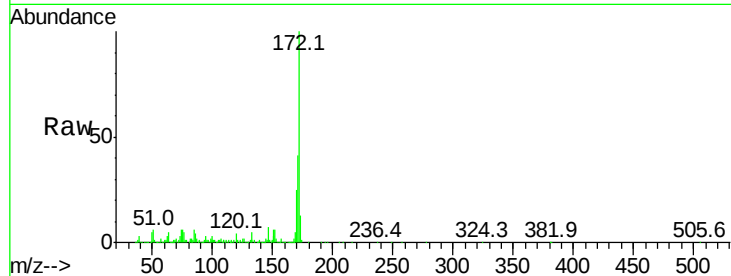
#44
2-Fluorobiphenyl
Concen: 81.692 ng
RT: 9.34 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Instrument :
BNA_F
ClientSampleId :
LS-SOIL-3

Tot Ion	Ratio	Lower	Upper
172	100		
171	41.4	29.7	44.5
170	25.4	19.6	29.4

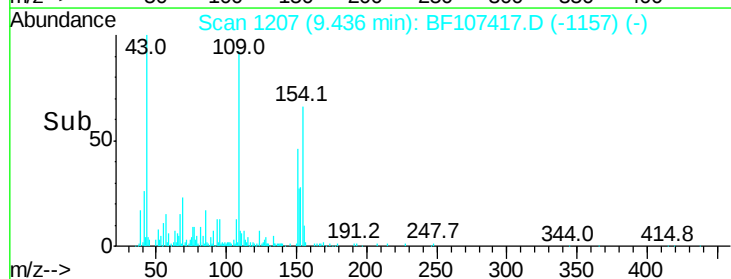
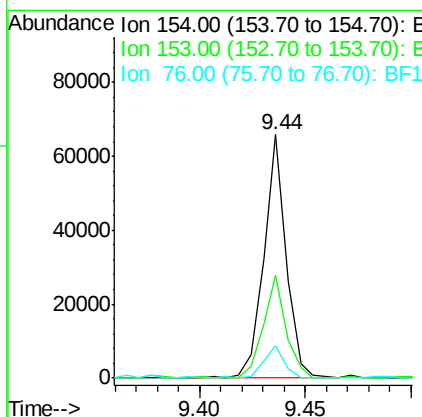
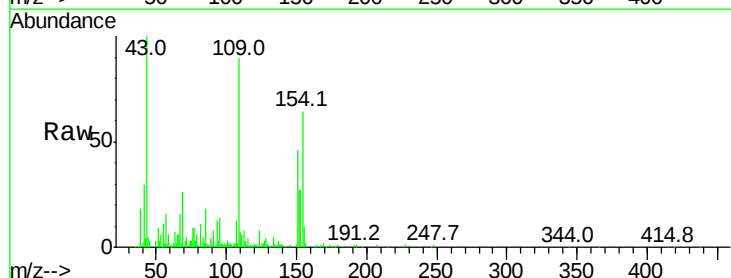
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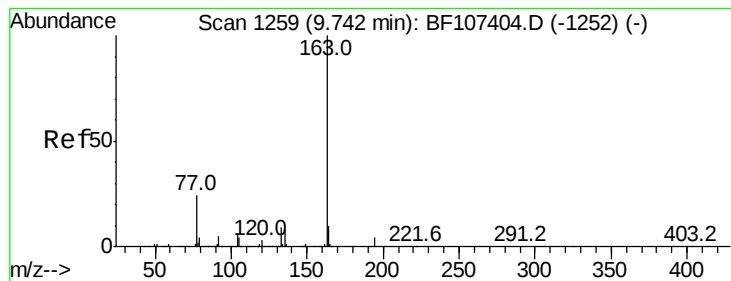
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#45
1,1'-Biphenyl
Concen: 2.271 ng
RT: 9.44 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.5	21.3	61.3
76	13.4	0.0	34.0





#49

Dimethylphthalate

Concen: 14.651 ng

RT: 9.73 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

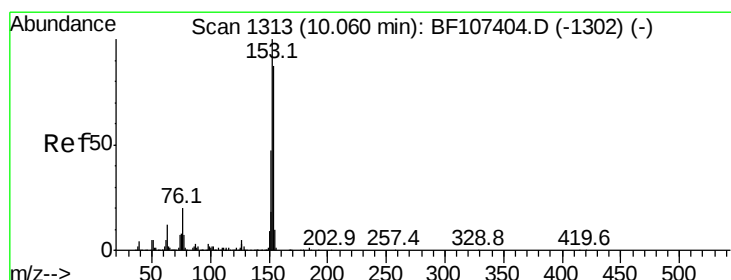
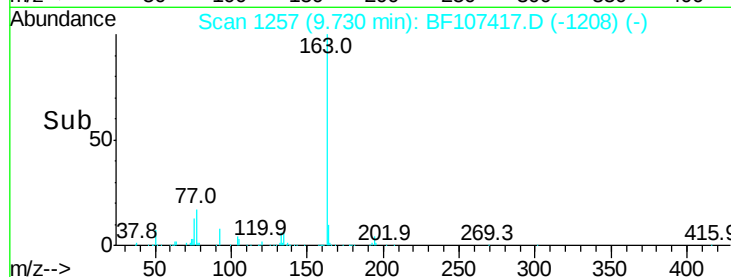
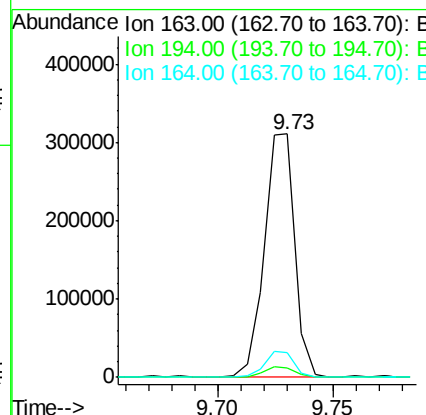
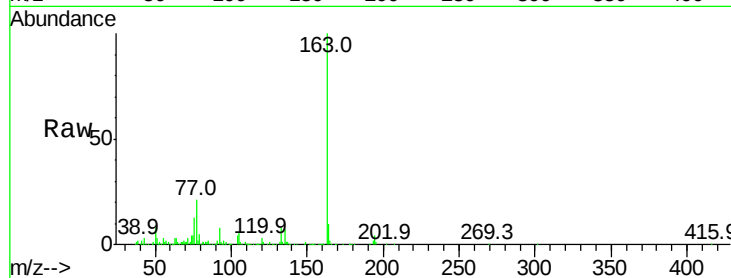
ClientSampleId :

LS-SOIL-3

Tot Ion:	163	Resp:	286304
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.7	4.1
164	10.2	8.2	12.2

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#51

Acenaphthene

Concen: 15.910 ng

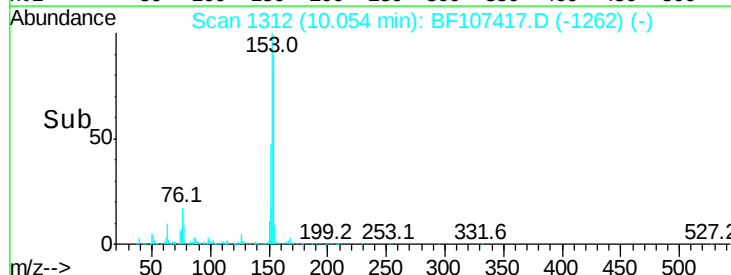
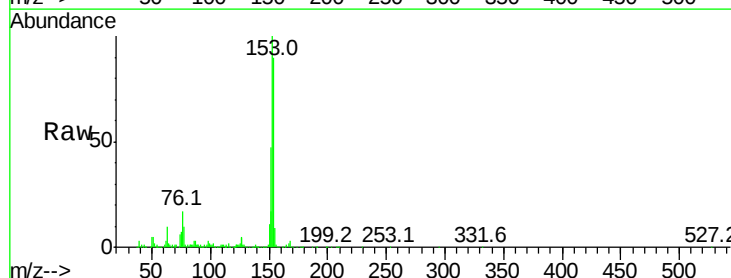
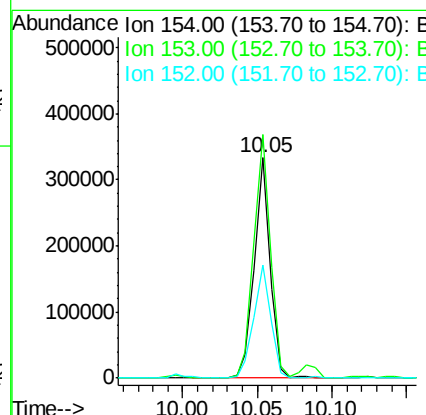
RT: 10.05 min Scan# 1312

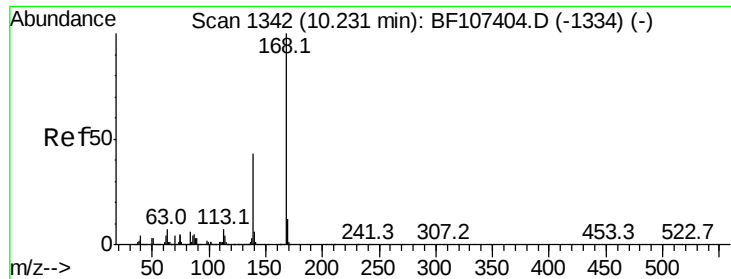
Delta R.T. -0.01 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Tgt Ion:	154	Resp:	247226
Ion Ratio	Lower	Upper	
154	100		
153	110.5	91.2	136.8
152	51.5	43.8	65.8





#54

Dibenzenofuran

Concen: 11.782 ng

RT: 10.22 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

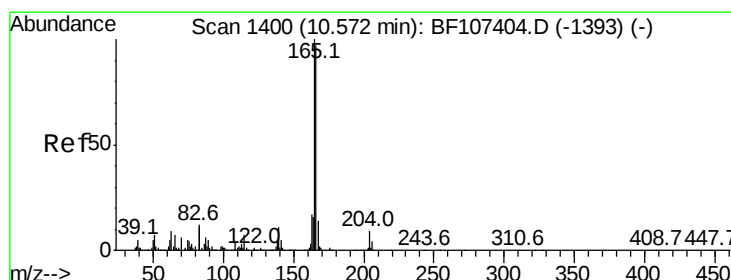
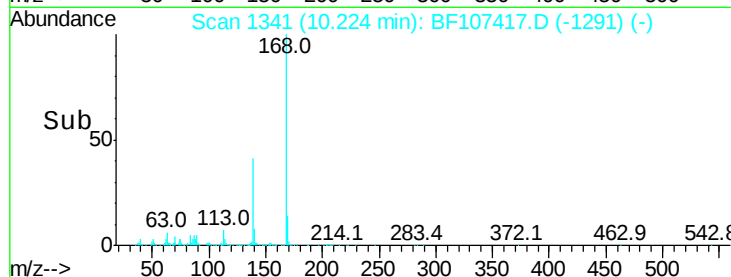
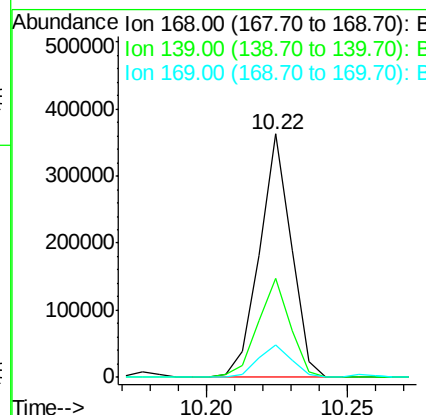
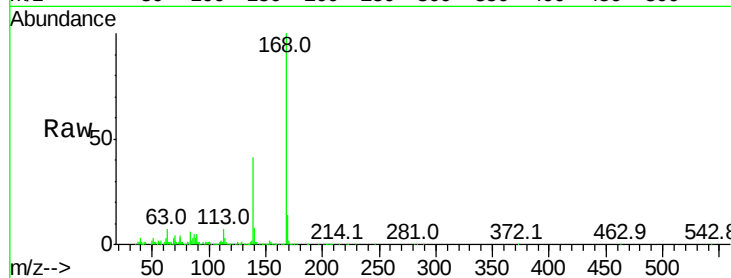
ClientSampleId :

LS-SOIL-3

Tot Ion:	168	Resp:	282912
Ion Ratio	Lower	Upper	
168	100		
139	40.8	30.1	45.1
169	13.6	10.9	16.3

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#57

Fluorene

Concen: 18.115 ng

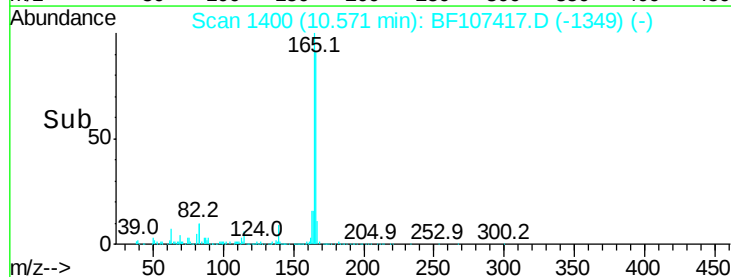
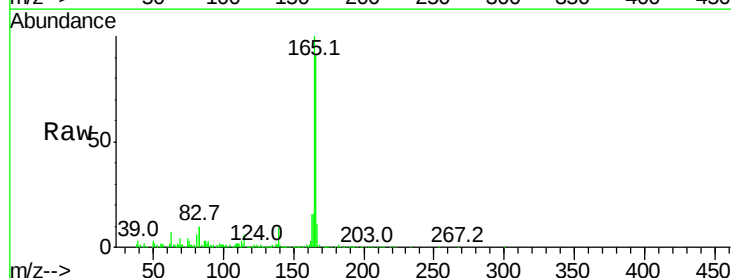
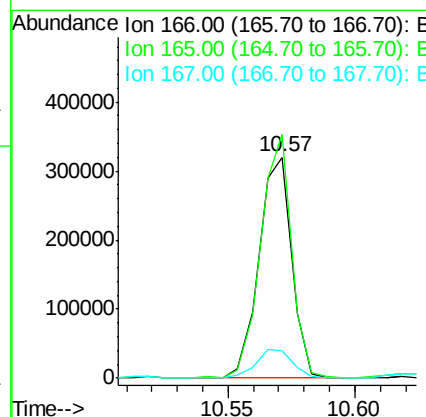
RT: 10.57 min Scan# 1400

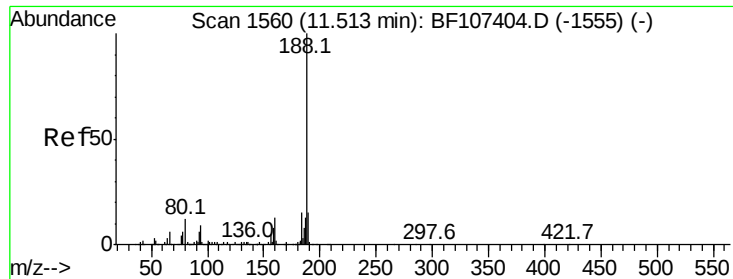
Delta R.T. -0.00 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Tgt Ion:	166	Resp:	288085
Ion Ratio	Lower	Upper	
166	100		
165	110.2	79.8	119.8
167	12.3	10.6	16.0





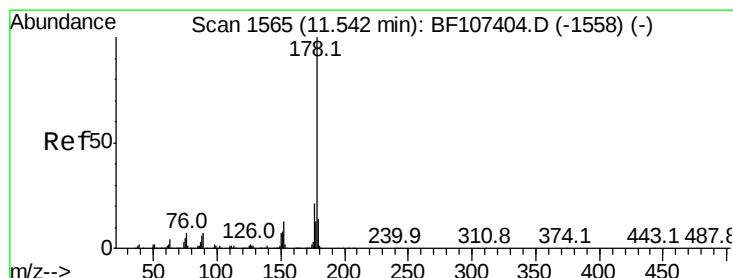
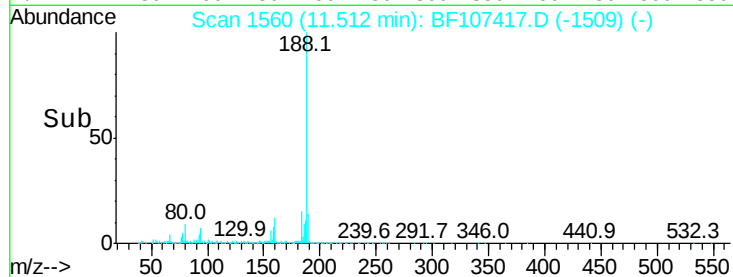
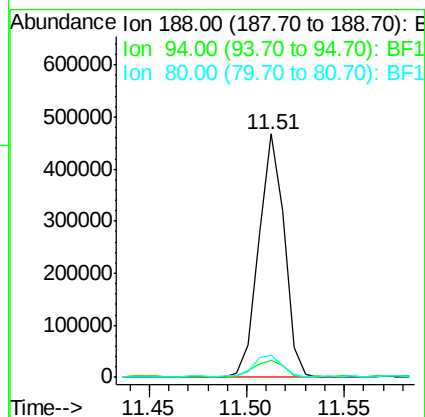
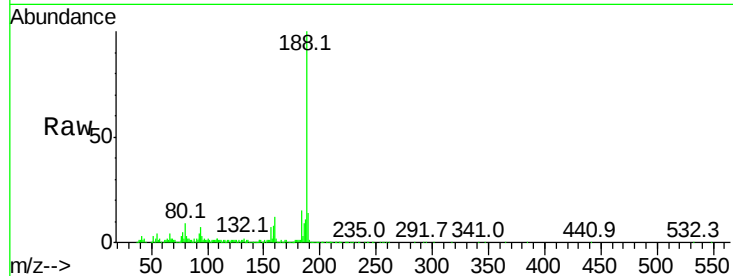
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Instrument :
BNA_F
ClientSampleId :
LS-SOIL-3

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.2	8.5	12.7#
80	9.3	9.2	13.8

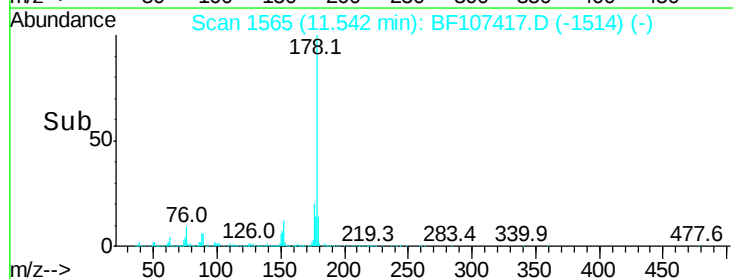
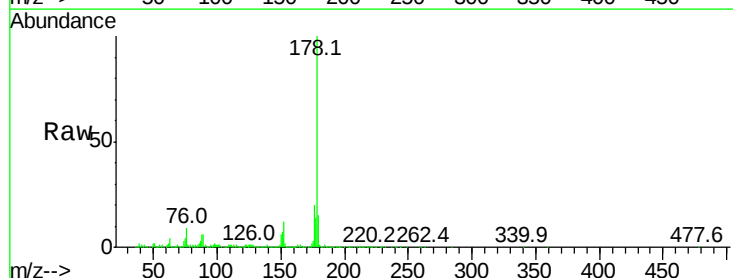
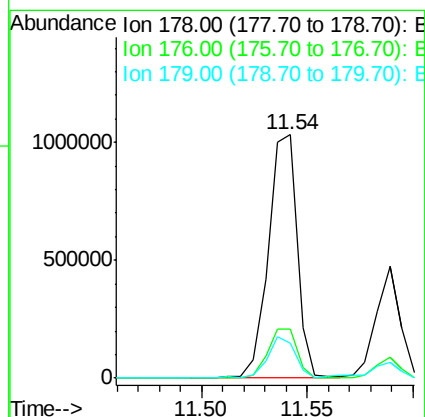
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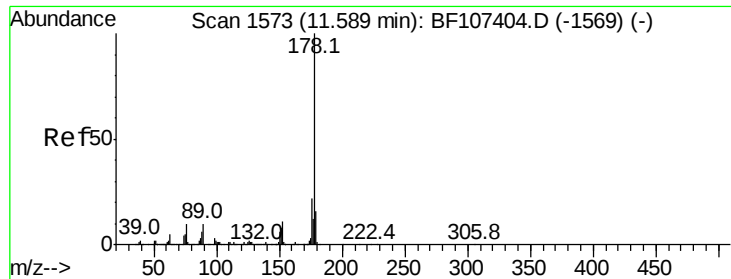
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#70
Phenanthrene
Concen: 46.048 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.00 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.3	15.8	23.8
179	14.6	13.0	19.6





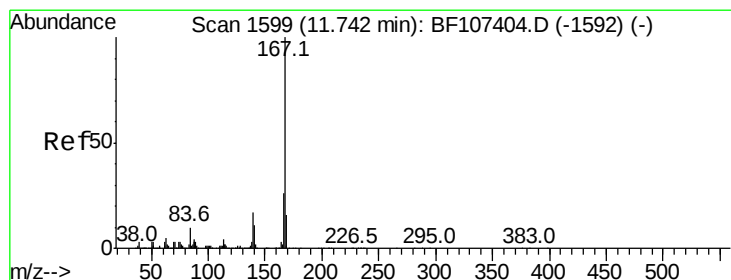
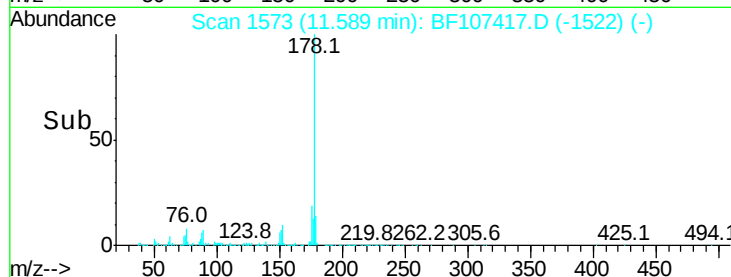
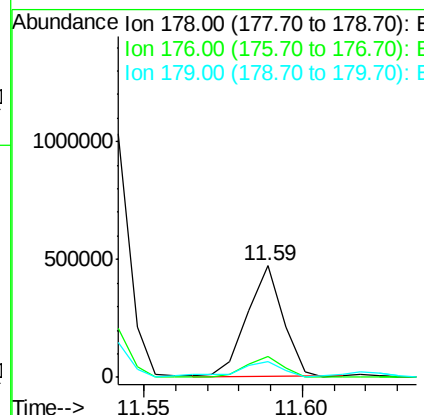
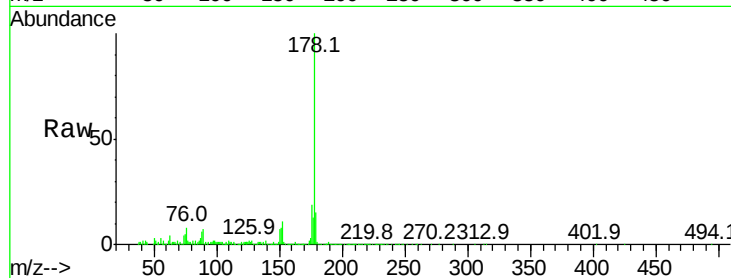
#71
 Anthracene
 Concen: 17.452 ng
 RT: 11.59 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: BF107417.D
 Acq: 16 Jul 2018 22:01

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	14.6	12.6	19.0

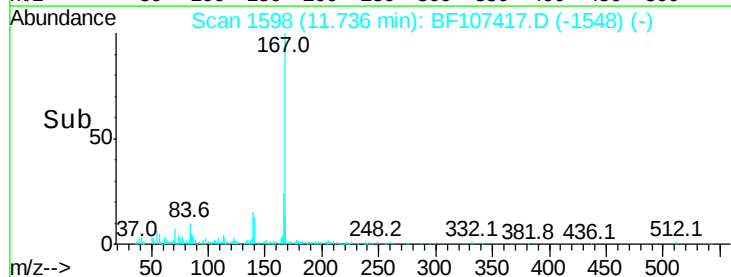
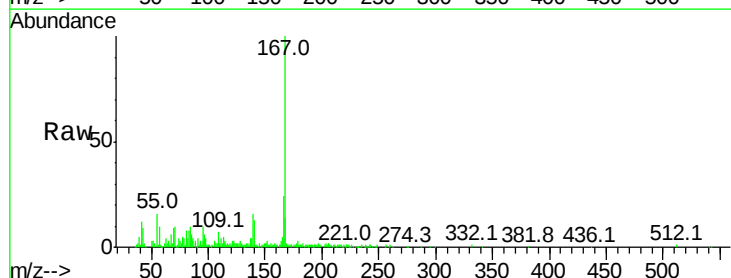
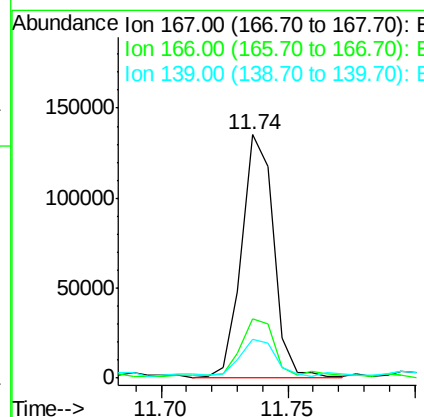
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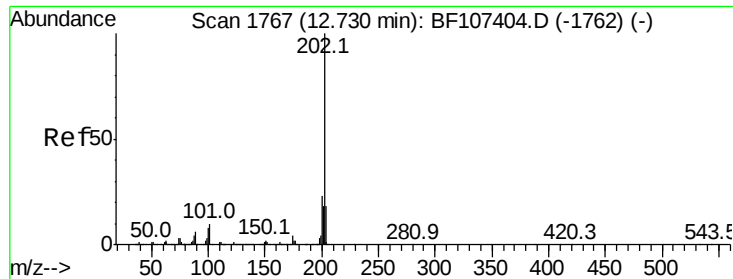
Sohil
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#72
 Carbazole
 Concen: 5.874 ng
 RT: 11.74 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF107417.D
 Acq: 16 Jul 2018 22:01

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.4	17.6	26.4
139	15.8	10.9	16.3





#74

Fluoranthene

Concen: 24.201 ng

RT: 12.74 min Scan# 1768

Delta R.T. 0.01 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

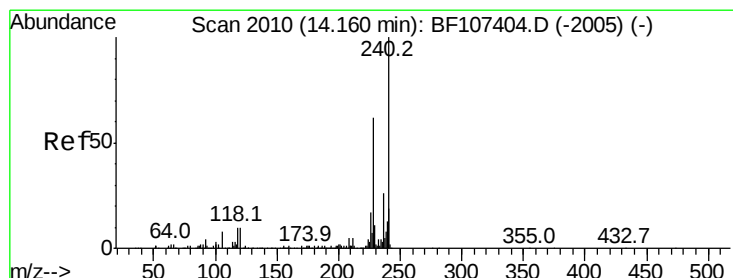
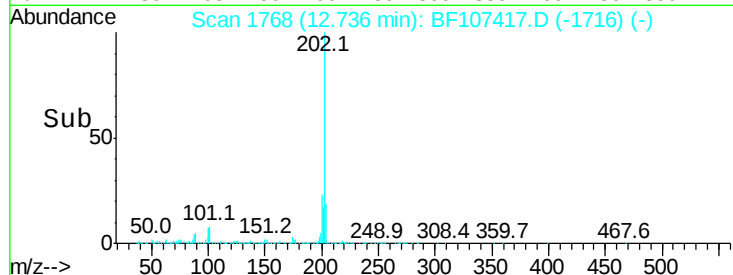
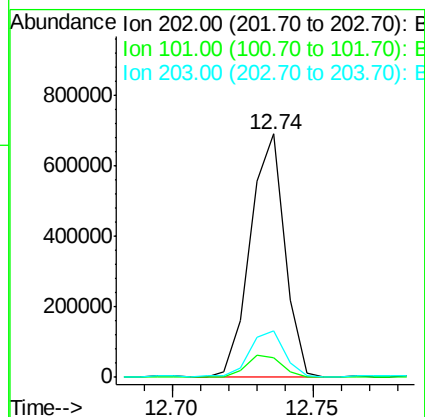
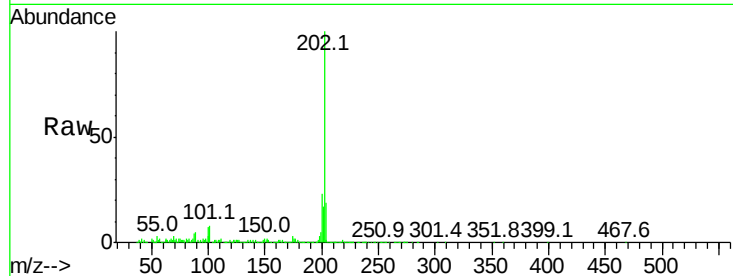
ClientSampleId :

LS-SOIL-3

Tot Ion:	202	Resp:	583617
Ion Ratio	Lower	Upper	
202	100		
101	8.2	0.0	34.1
203	19.0	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

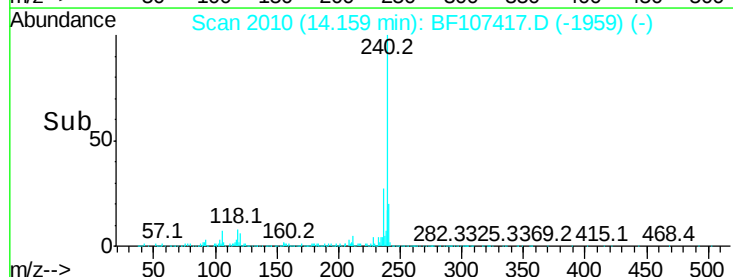
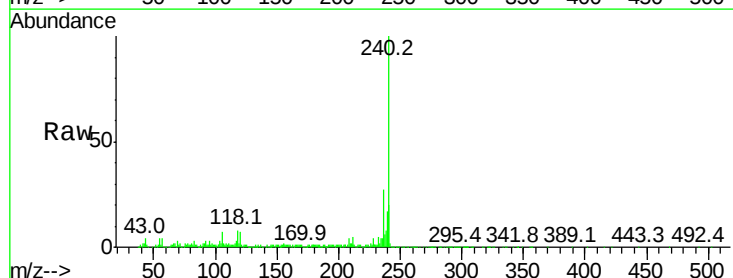
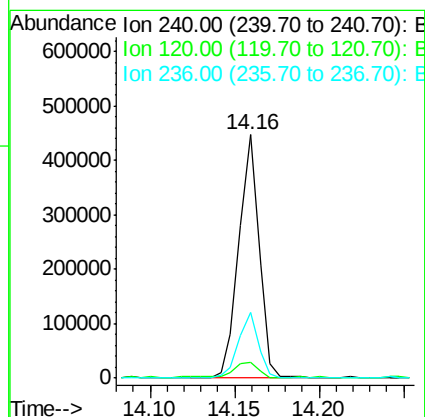
RT: 14.16 min Scan# 2010

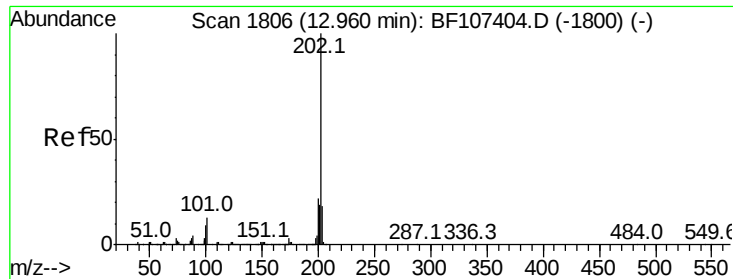
Delta R.T. -0.00 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Tgt Ion:	240	Resp:	375645
Ion Ratio	Lower	Upper	
240	100		
120	6.7	9.5	14.3#
236	26.9	20.7	31.1





#77

Pvrene

Concen: 17.541 ng

RT: 12.96 min Scan# 1806

Delta R.T. -0.00 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

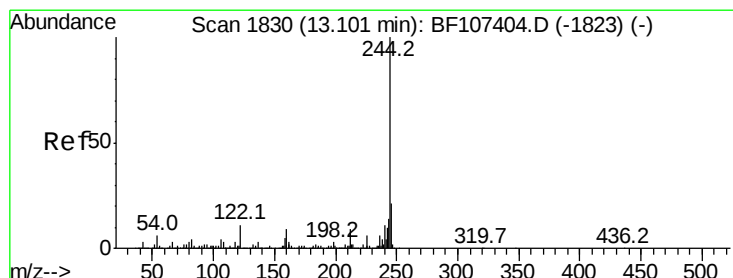
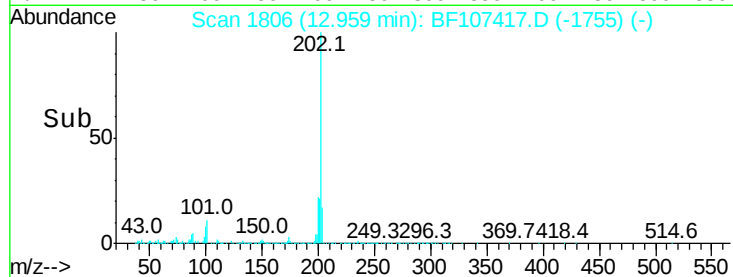
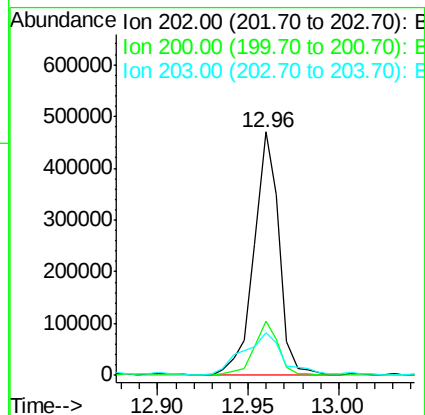
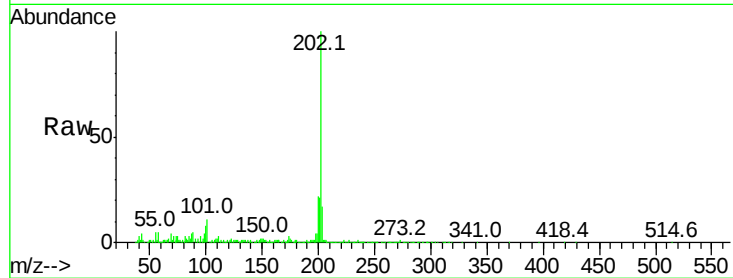
ClientSampleId :

LS-SOIL-3

Tot Ion:	202	Resp:	448079
Ion Ratio		Lower	Upper
202	100		
200	22.2	17.4	26.2
203	17.5	14.3	21.5

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#78

Terphenyl-d14

Concen: 66.076 ng

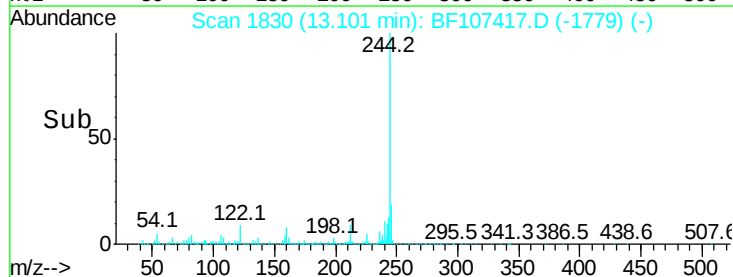
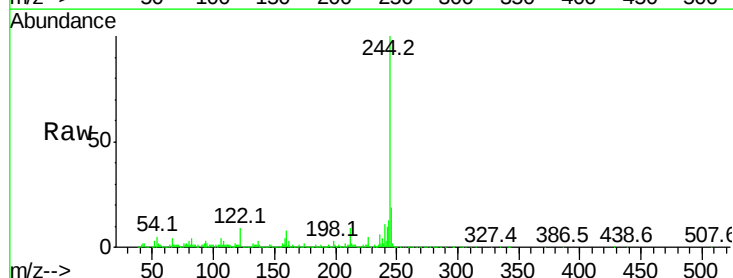
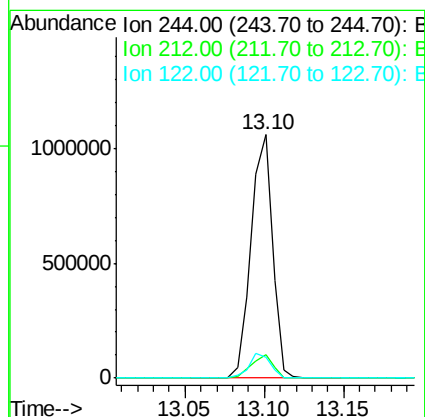
RT: 13.10 min Scan# 1830

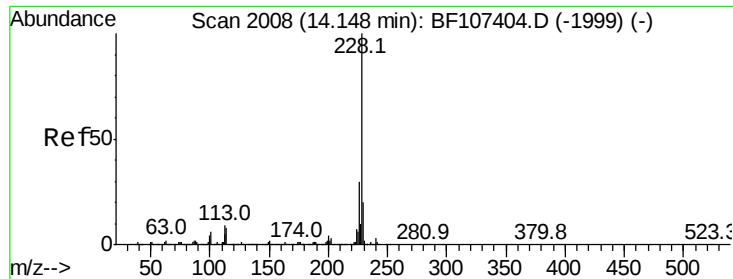
Delta R.T. -0.00 min

Lab File: BF107417.D

Acq: 16 Jul 2018 22:01

Tgt Ion:	244	Resp:	999004
Ion Ratio		Lower	Upper
244	100		
212	9.5	5.4	8.0#
122	8.7	11.0	16.4#





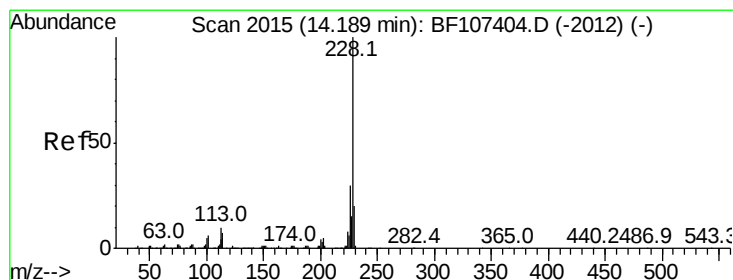
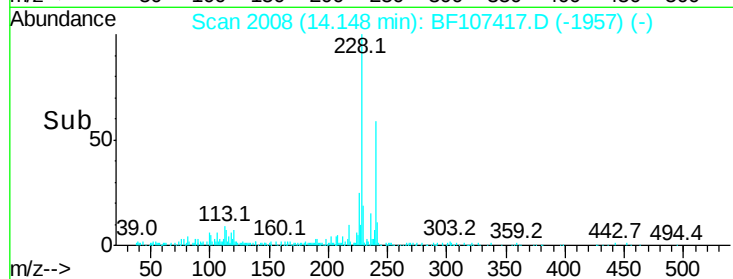
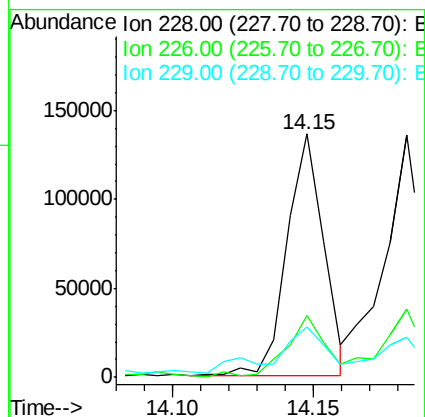
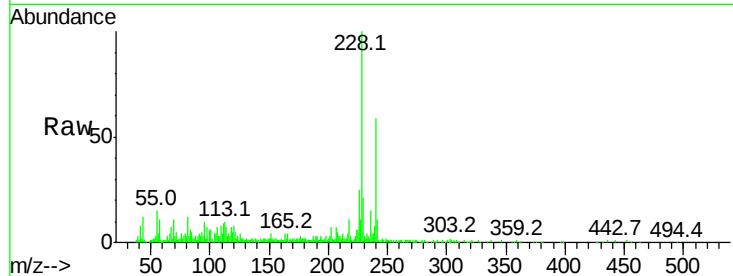
#80
Benzo(a)anthracene
Concen: 5.307 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Instrument :
BNA_F
ClientSampleId :
LS-SOIL-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	25.2	22.6	33.8
229	20.6	15.8	23.6

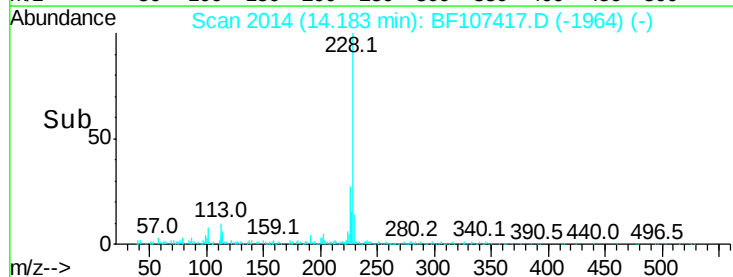
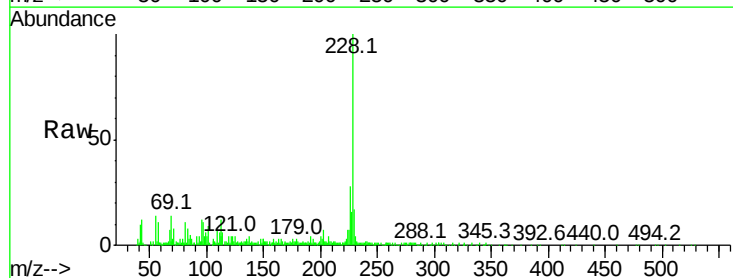
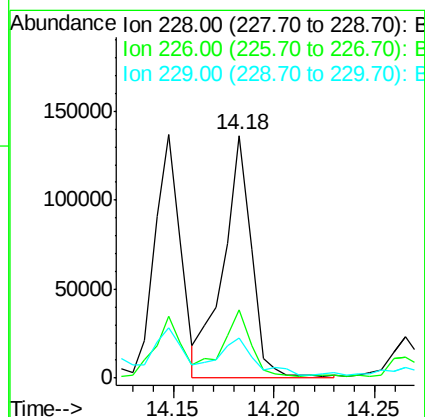
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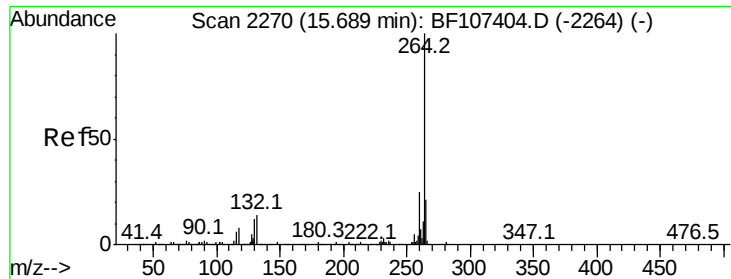
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#82
Chrysene
Concen: 6.041 ng m
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	25.0	37.6
229	16.6	16.2	24.4





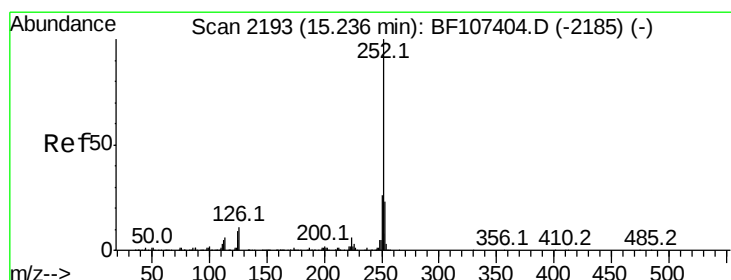
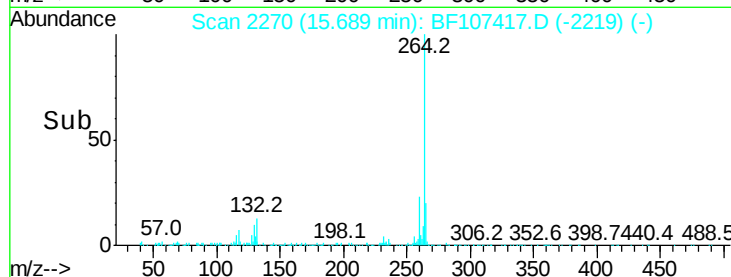
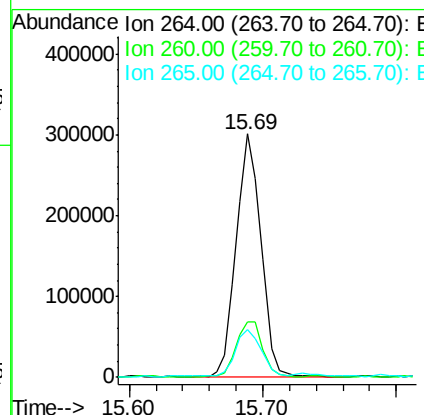
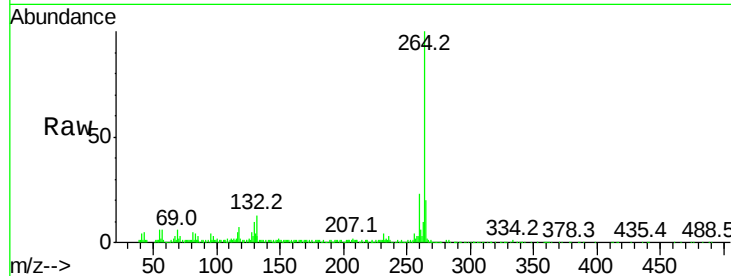
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Instrument :
BNA_F
ClientSampleId :
LS-SOIL-3

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	19.5	17.5	26.3

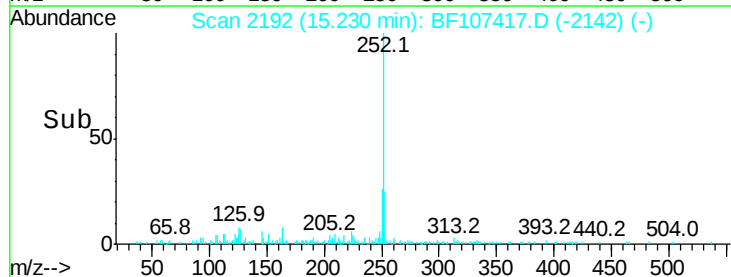
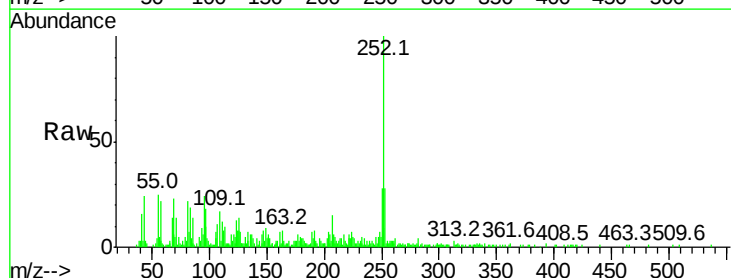
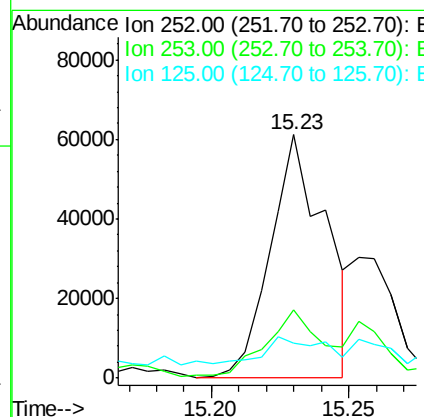
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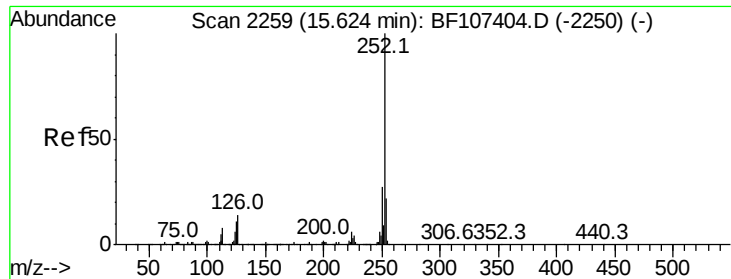
Sohil
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#87
Benzo(b)fluoranthene
Concen: 3.706 ng m
RT: 15.23 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF107417.D
Acq: 16 Jul 2018 22:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.0	25.6#
125	14.1	9.0	13.6#





#89

Benzo(a)pyrene

Concen: 2.318 ng

RT: 15.61 min Scan# 2257

Delta R.T. -0.01 min

Lab File: BF107417.D

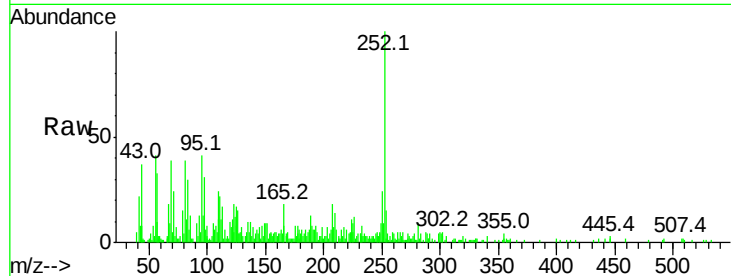
Acq: 16 Jul 2018 22:01

Instrument :

BNA_F

ClientSampleId :

LS-SOIL-3



Tot Ion:	252	Resp:	49444
Ion Ratio	Lower	Upper	
252	100		
253	15.0	17.1	25.7#
125	17.3	9.8	14.6#

Manual Integrations
APPROVED

Sohil
7/17/2018 4:53:08 PM

