

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
 Data File : BF107628.D
 Acq On : 24 Jul 2018 19:25
 Operator : JU/SJ
 Sample : J4098-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-01

Manual Integrations
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Sohil
 7/25/2018 12:58:28 PM

Quant Time: Jul 25 03:59:02 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	258801	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	971221	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	372631	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	646962	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	497166	20.00	ng	-0.01
86) Perylene-d12	15.69	264	388542	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1445570	89.81	ng	0.00
7) Phenol-d6	6.61	99	1759904	91.06	ng	0.00
23) Nitrobenzene-d5	7.53	82	1078460	74.94	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	375790	88.68	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	1585550	69.17	ng	-0.01
78) Terphenyl-d14	13.09	244	1235985	63.65	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.71	163	146721	5.224	ng	Qvalue # 98
70) Phenanthrene	11.52	178	248775	7.891	ng	98
71) Anthracene	11.58	178	78641	2.477	ng	97
74) Fluoranthene	12.72	202	570502	16.864	ng	97
77) Pyrene	12.95	202	504877	14.846	ng	97
80) Benzo(a)anthracene	14.14	228	239250	8.212	ng	96
82) Chrysene	14.18	228	244262	8.728	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	93034	3.922	ng	# 90
87) Benzo(b)fluoranthene	15.23	252	260268m	12.240	ng	
88) Benzo(k)fluoranthene	15.26	252	76233m	3.659	ng	
89) Benzo(a)pyrene	15.62	252	164453	8.455	ng	# 92
91) Benzo(a,h,i)perylene	17.75	276	90741	5.471	ng	94

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

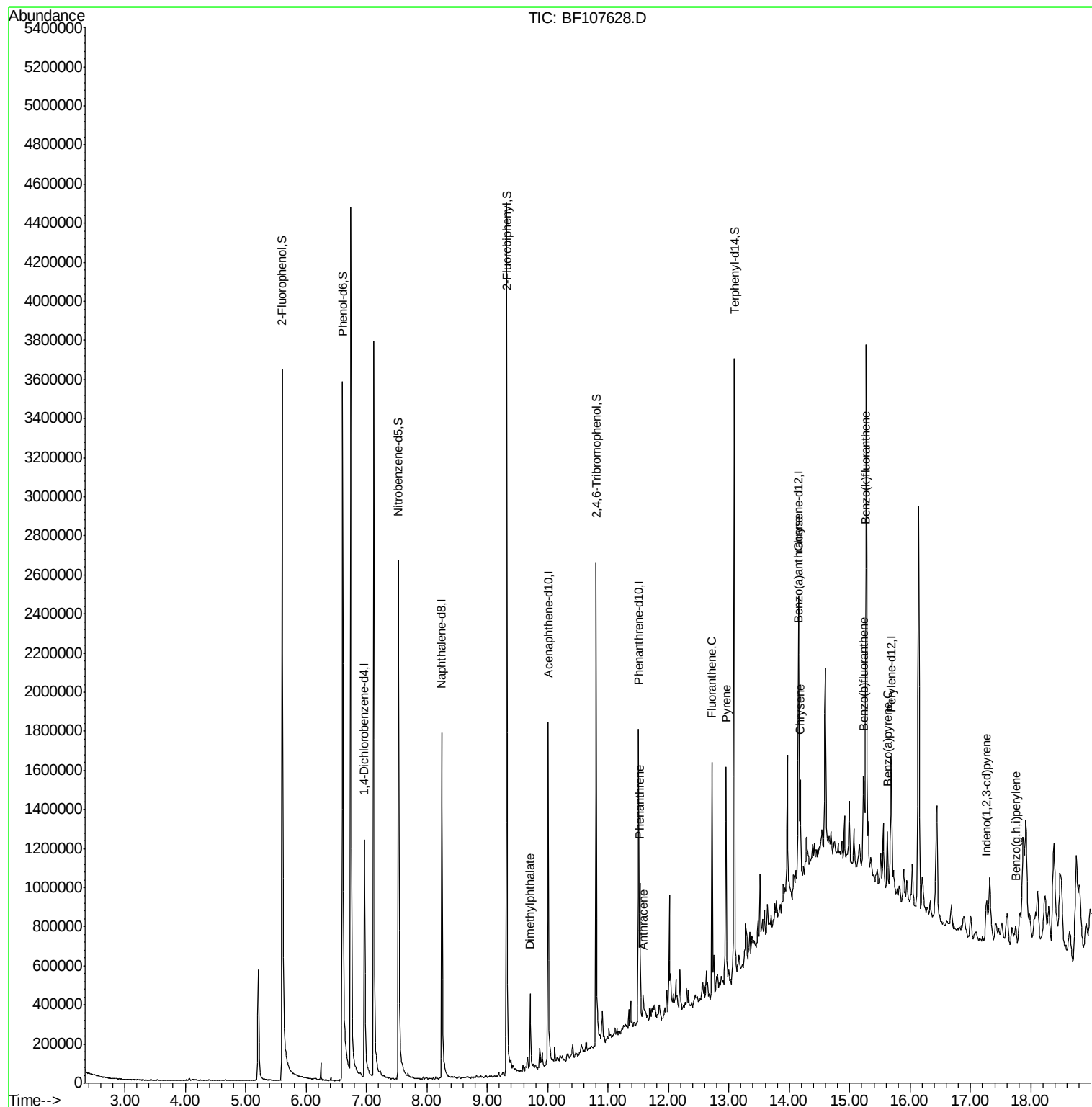
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107628.D
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ALS Vial : 17 Sample Multiplier: 1

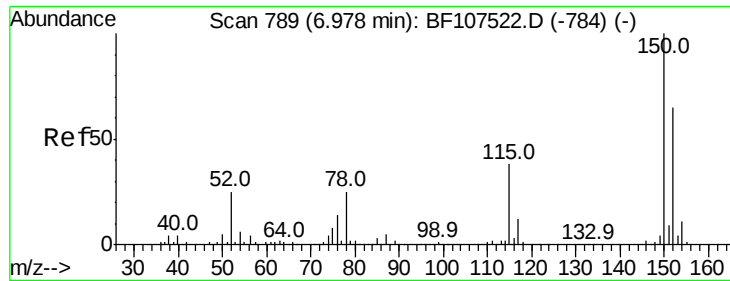
Instrument :
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Quant Time: Jul 25 03:59:02 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

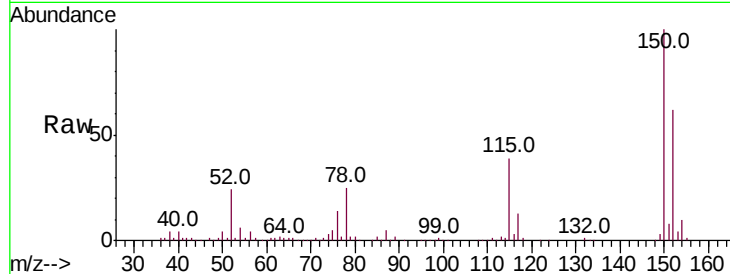
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107628.D
Acq: 24 Jul 2018 19:25

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.2	124.6	186.8
115	62.7	50.1	75.1

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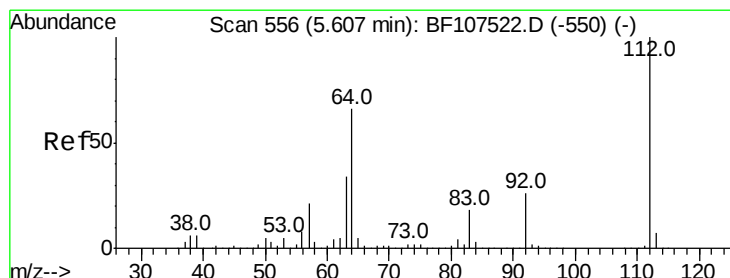
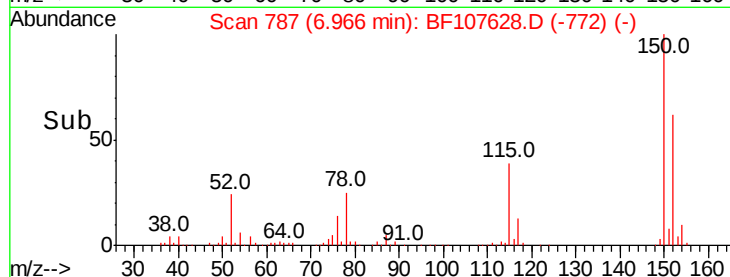
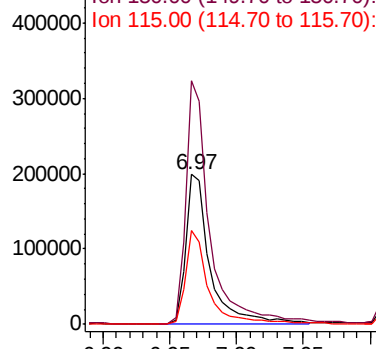


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

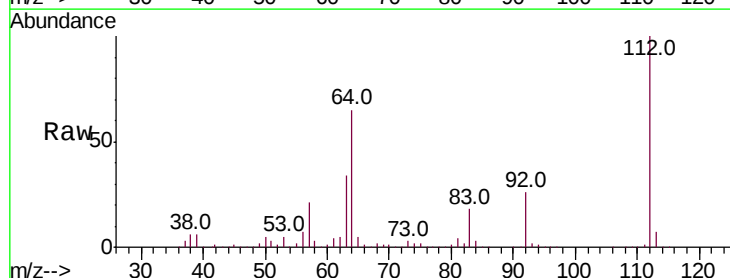
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 89.806 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF107628.D
Acq: 24 Jul 2018 19:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.3	47.9	71.9
63	33.8	23.7	35.5

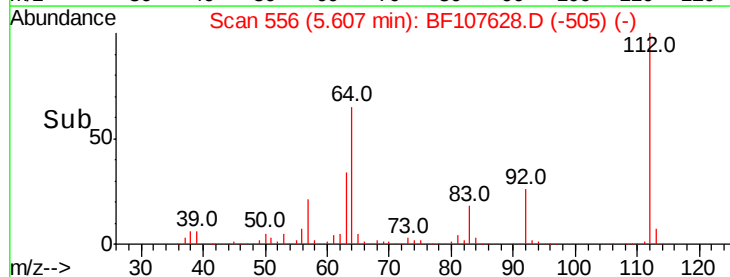
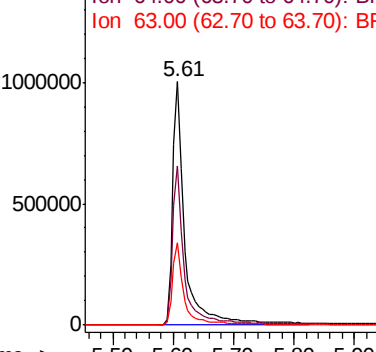


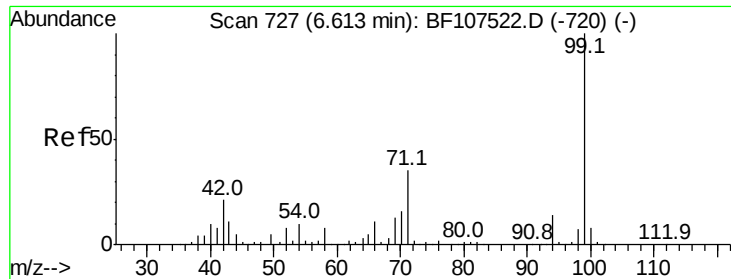
Abundance

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: 91.056 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107628.D

Acq: 24 Jul 2018 19:25

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-01

Tot Ion: 99 Resp: 1759904

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

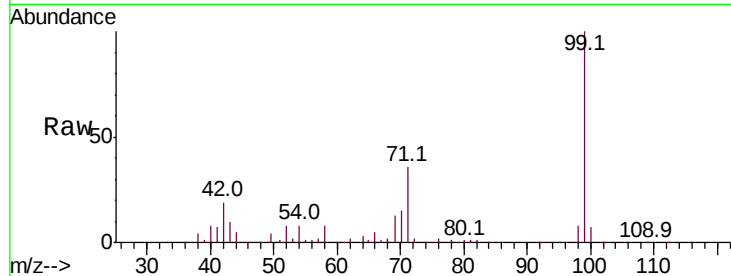
71 35.7 25.4 38.0

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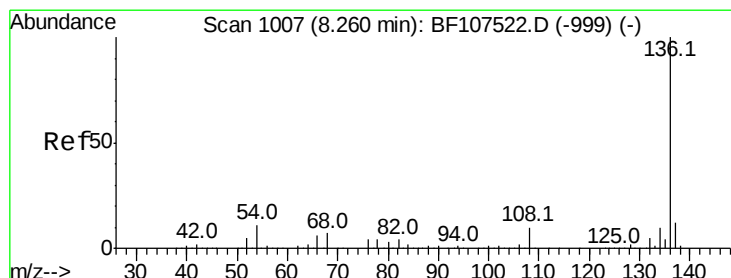
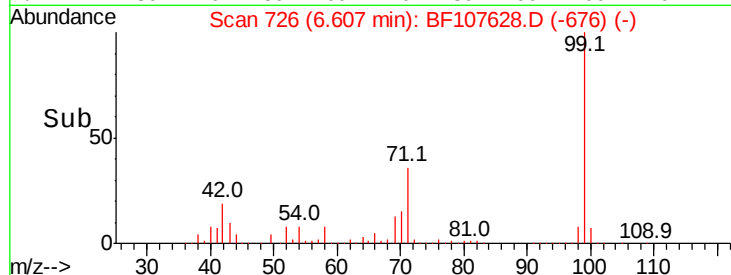
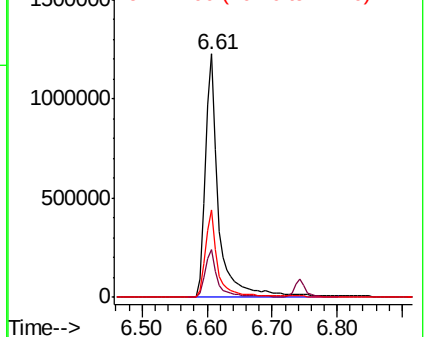
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF107628.D

Acq: 24 Jul 2018 19:25

Tgt Ion: 136 Resp: 971221

Ion Ratio Lower Upper

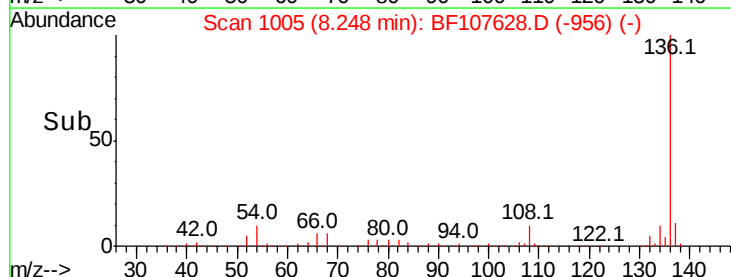
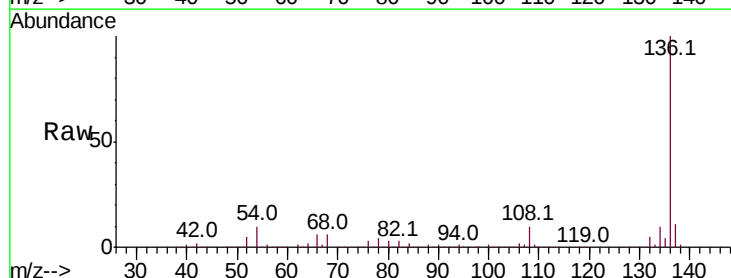
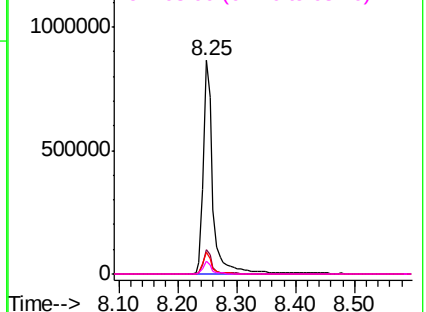
136 100

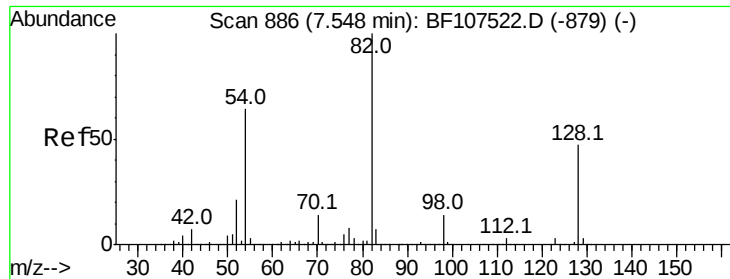
137 11.5 8.9 13.3

54 10.3 6.6 9.8#

68 5.9 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





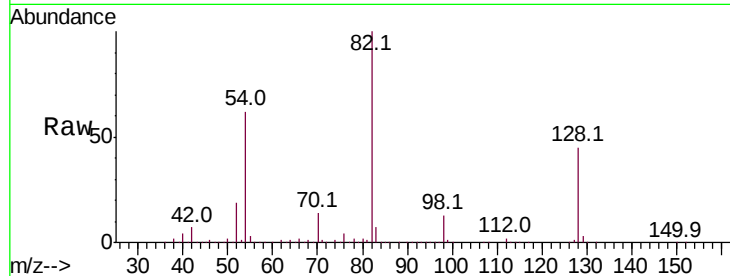
#23
Nitrobenzene-d5
Concen: 74.939 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107628.D
Acq: 24 Jul 2018 19:25

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-01

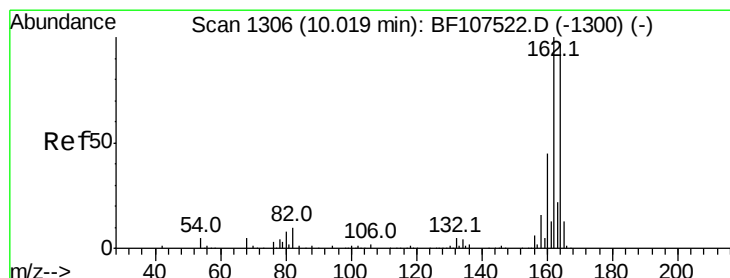
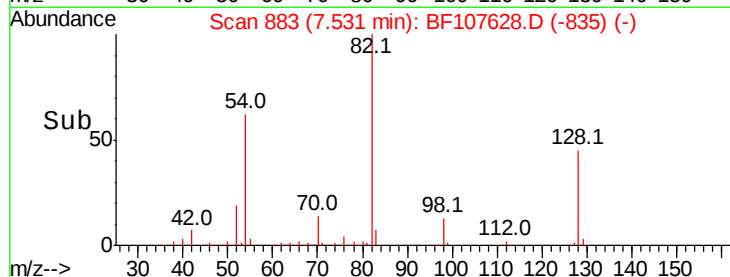
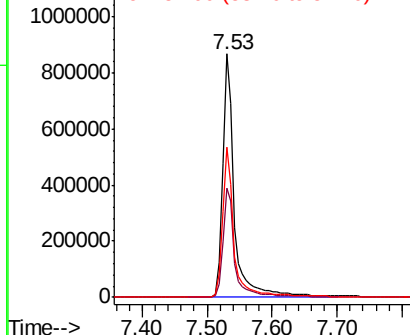
Tot Ion: 82 Resp: 1078460
Ion Ratio Lower Upper
82 100
128 45.0 36.1 54.1
54 61.6 41.4 62.2

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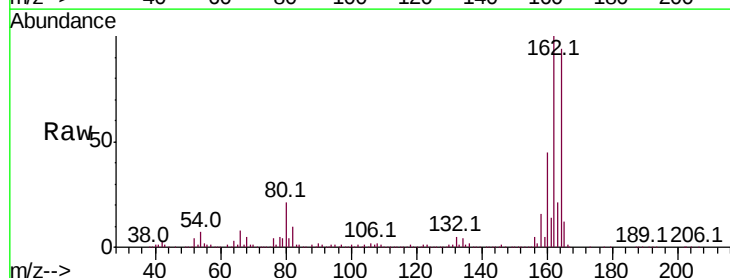


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

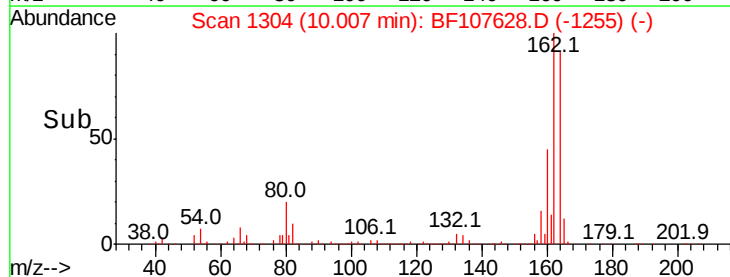
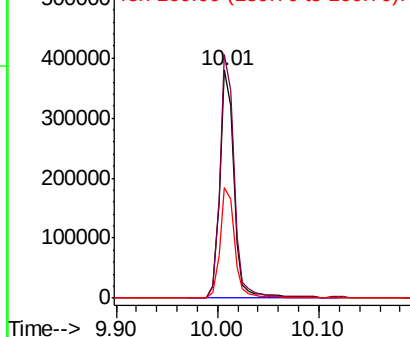


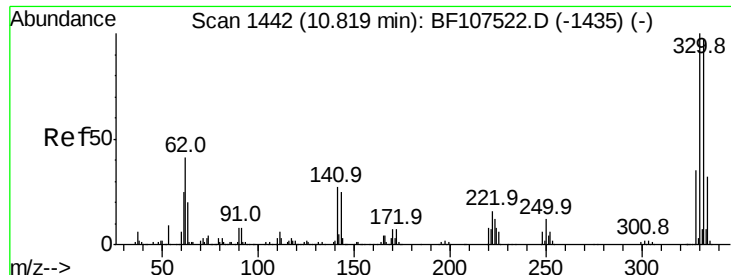
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF107628.D
Acq: 24 Jul 2018 19:25

Tgt Ion:164 Resp: 372631
Ion Ratio Lower Upper
164 100
162 107.0 86.1 129.1
160 48.5 38.3 57.5



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





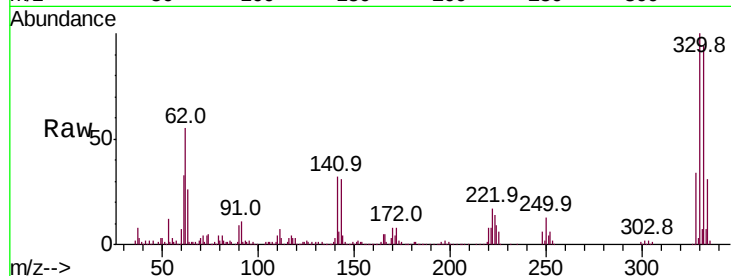
#41
 2,4,6-Tribromophenol
 Concen: 88.684 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107628.D
 Acq: 24 Jul 2018 19:25

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-01

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.3	77.0	115.6	
141	29.0	29.9	44.9	

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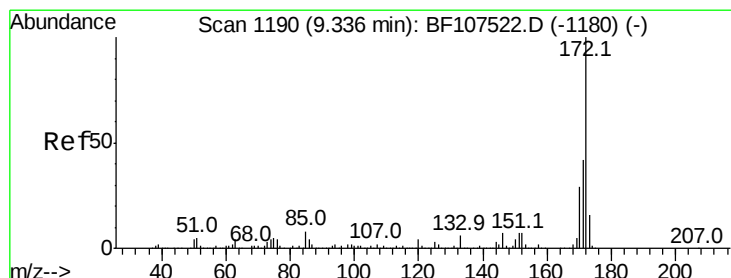
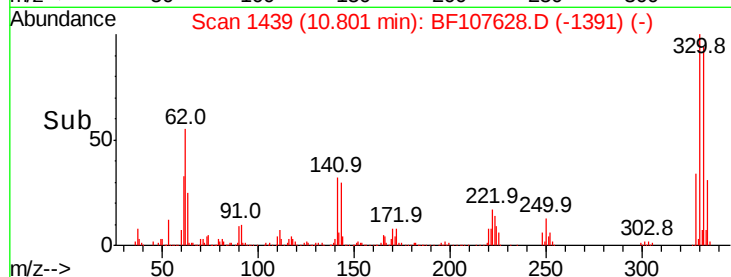
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

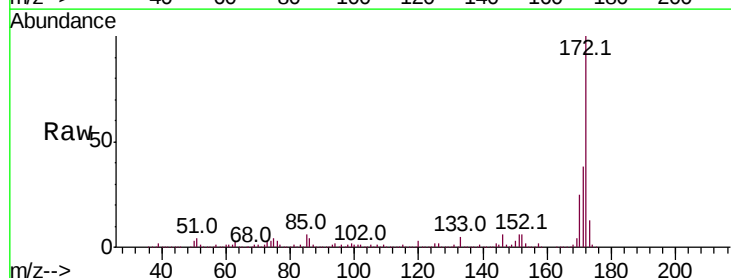
Ion 141.00 (140.70 to 141.70): E

Time-->



#44
 2-Fluorobiphenyl
 Concen: 69.166 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF107628.D
 Acq: 24 Jul 2018 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	38.3	29.7	44.5	
170	25.1	19.6	29.4	



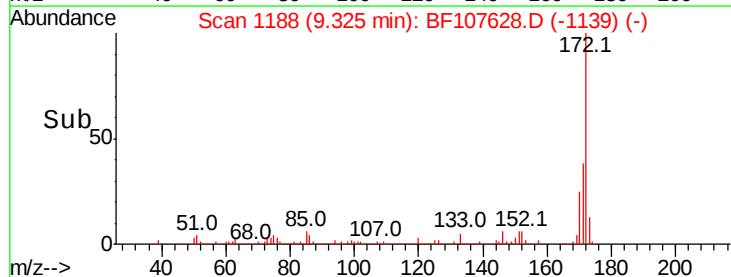
Abundance

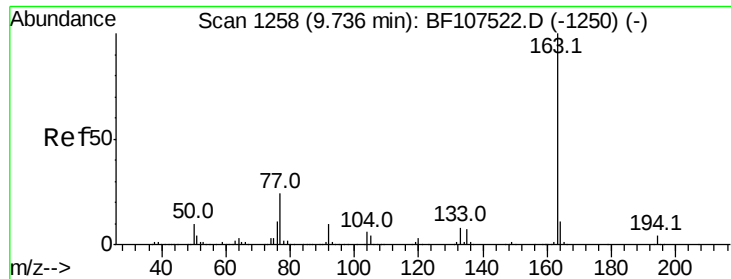
Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

Time-->





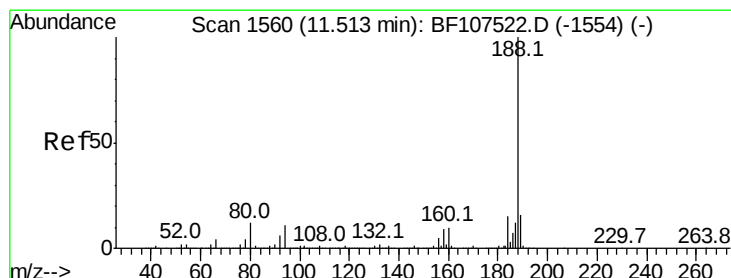
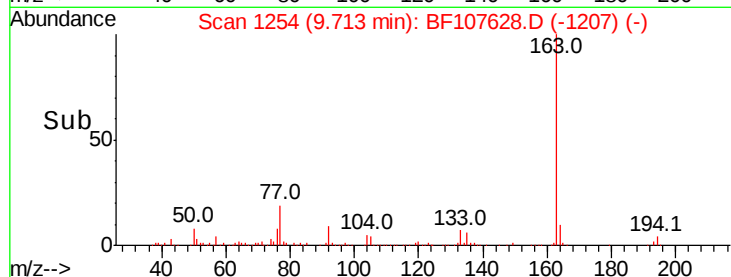
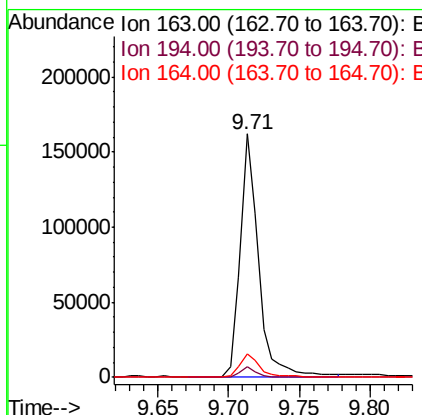
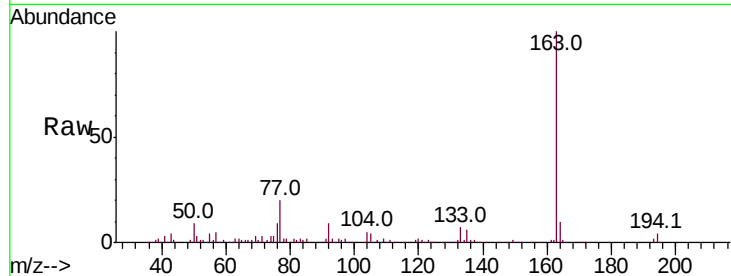
#49
Dimethylphthalate
Concen: 5.224 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF107628.D
Acq: 24 Jul 2018 19:25

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-01

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.1	2.7	4.1#	
164	9.7	8.2	12.2	

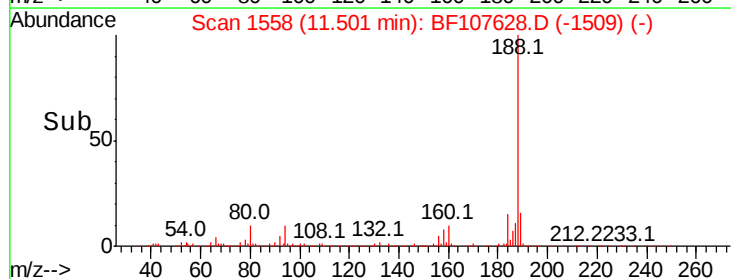
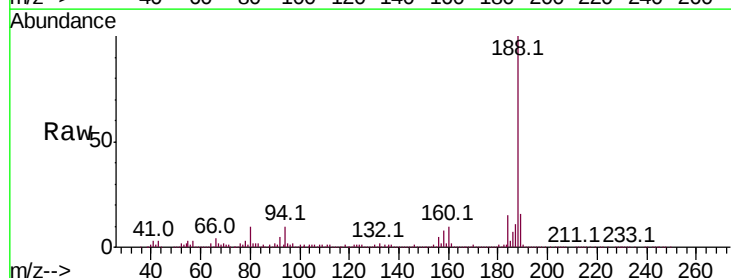
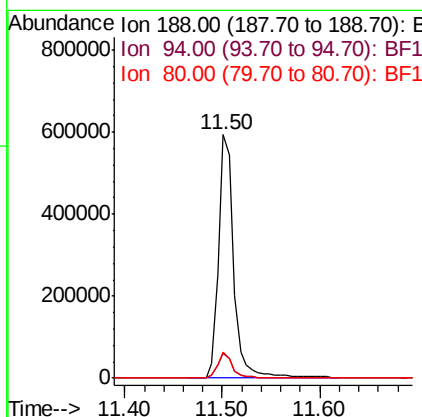
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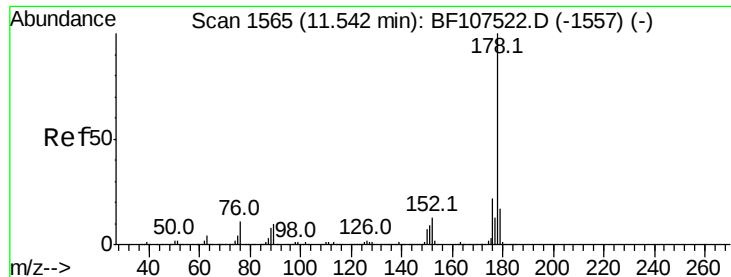
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF107628.D
Acq: 24 Jul 2018 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	9.9	8.5	12.7	
80	10.5	9.2	13.8	





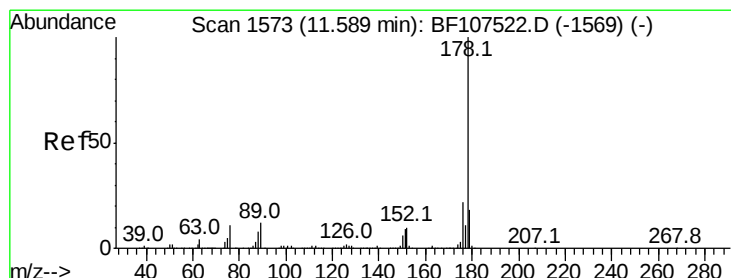
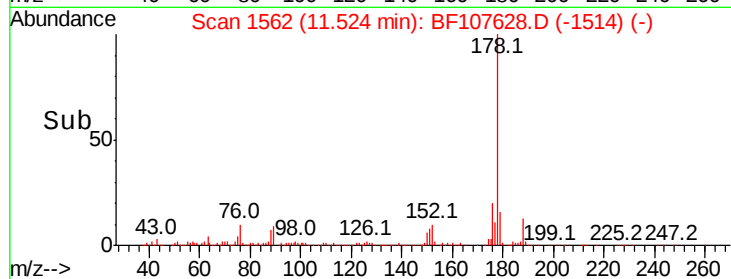
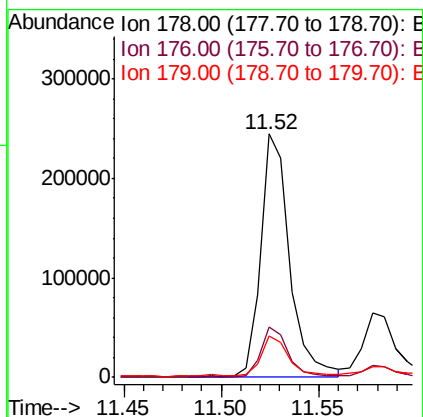
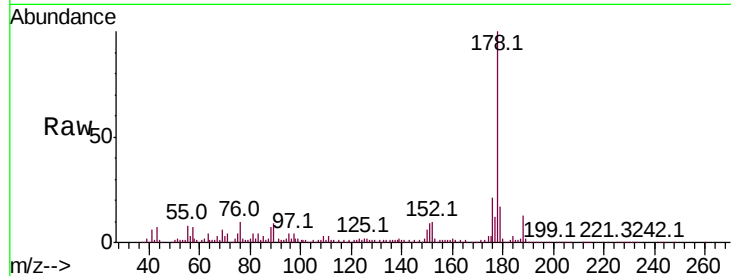
#70
Phenanthrene
Concen: 7.891 ng
RT: 11.52 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF107628.D
Acq: 24 Jul 2018 19:25

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.8	23.8
179	16.9	13.0	19.6

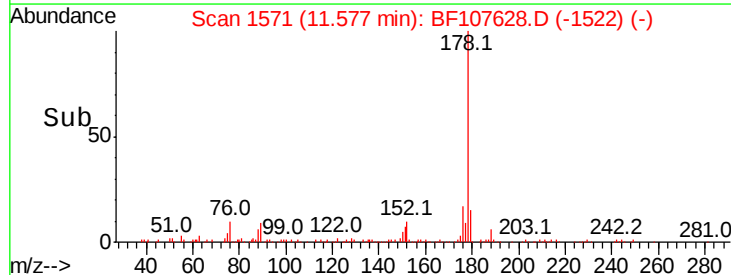
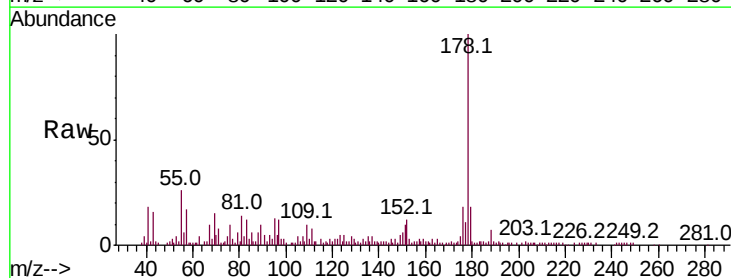
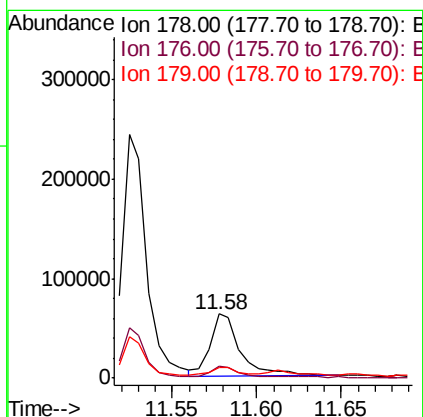
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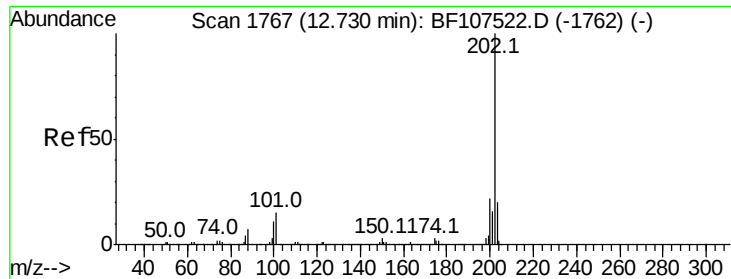
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#71
Anthracene
Concen: 2.477 ng
RT: 11.58 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF107628.D
Acq: 24 Jul 2018 19:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	17.7	12.6	19.0





#74

Fluoranthene

Concen: 16.864 ng

RT: 12.72 min Scan# 1765

Delta R.T. -0.01 min

Lab File: BF107628.D

Acq: 24 Jul 2018 19:25

Instrument :

BNA_F

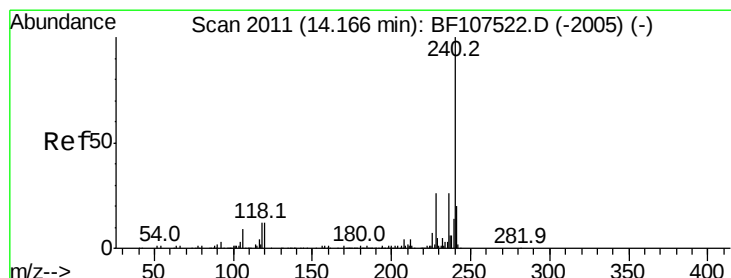
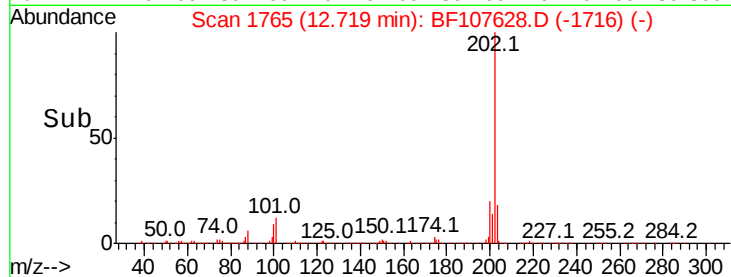
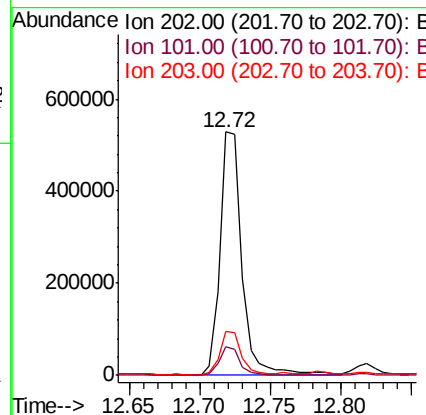
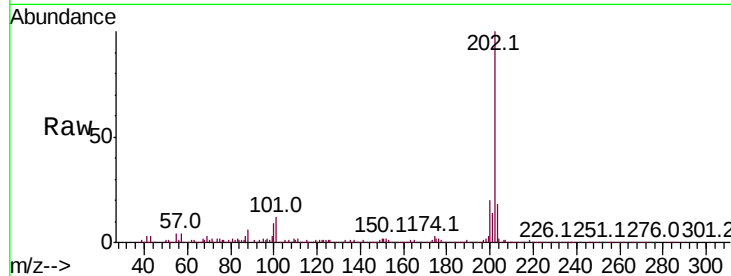
ClientSampleId :

GL-TOPSOIL-01

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	11.9	0.0	34.1	
203	18.0	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

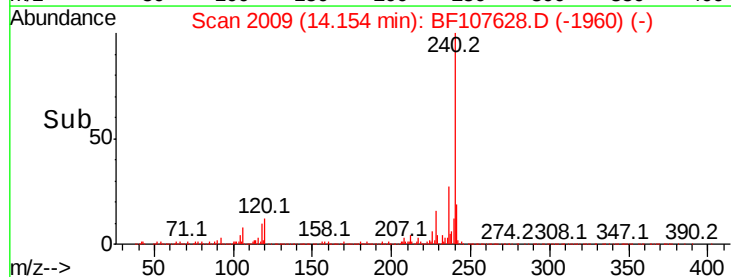
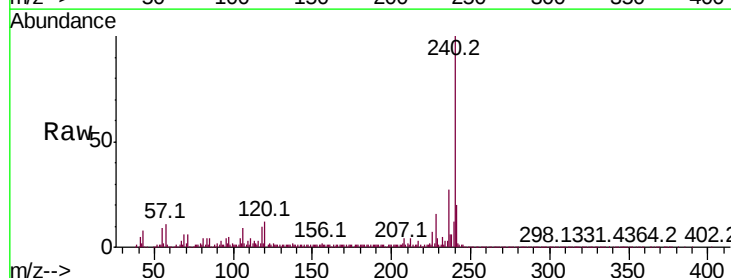
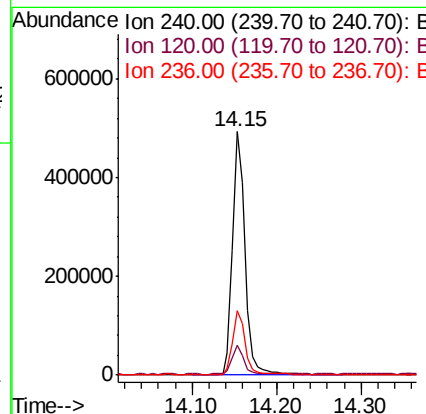
RT: 14.15 min Scan# 2009

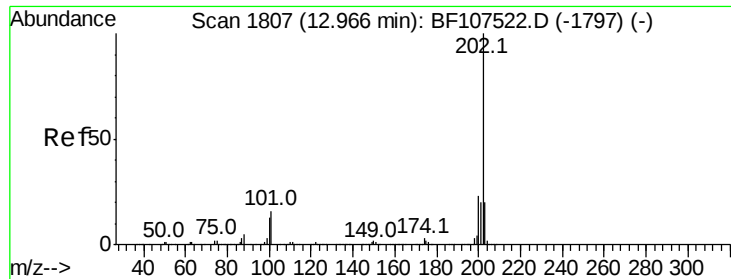
Delta R.T. -0.01 min

Lab File: BF107628.D

Acq: 24 Jul 2018 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	12.1	9.5	14.3	
236	26.7	20.7	31.1	





#77

Pvrene

Concen: 14.846 ng

RT: 12.95 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF107628.D

Acq: 24 Jul 2018 19:25

Instrument :

BNA_F

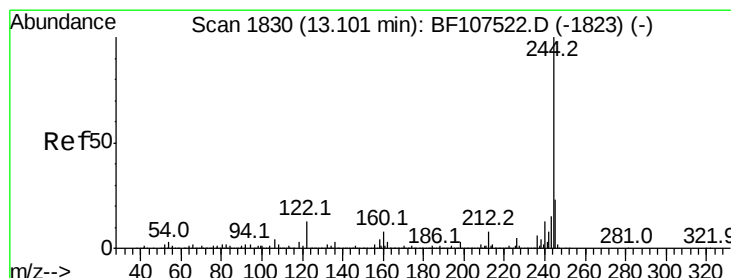
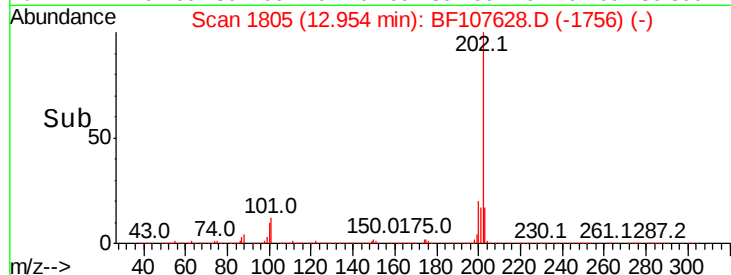
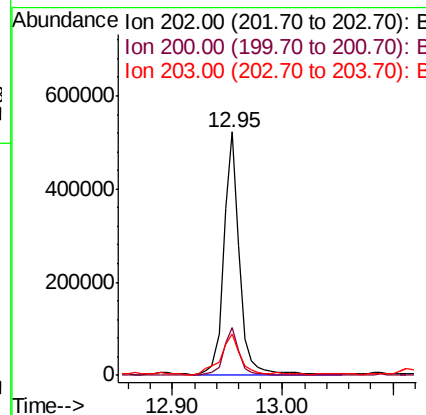
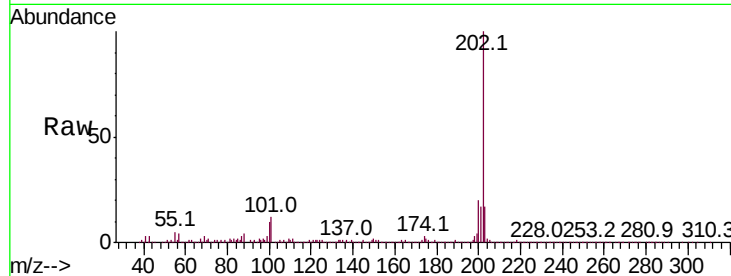
ClientSampleId :

GL-TOPSOIL-01

Tot Ion:	202	Resp:	504877
Ion Ratio	Lower	Upper	
202	100		
200	19.8	17.4	26.2
203	17.2	14.3	21.5

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#78

Terphenyl-d14

Concen: 63.645 ng

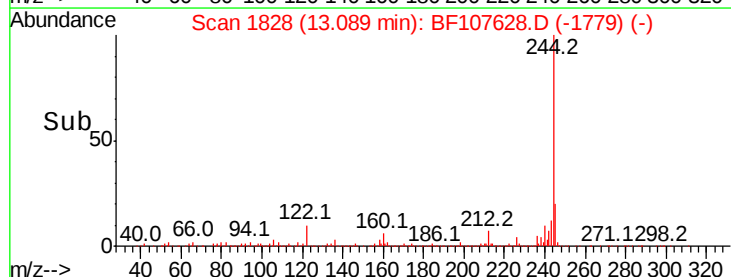
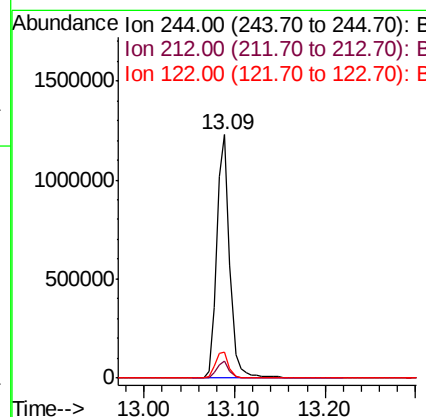
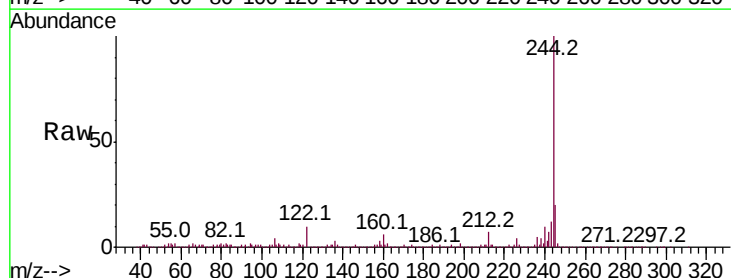
RT: 13.09 min Scan# 1828

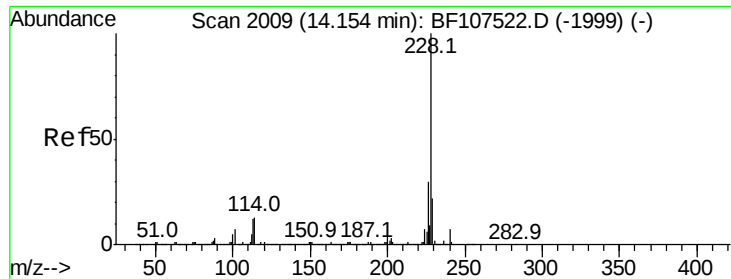
Delta R.T. -0.01 min

Lab File: BF107628.D

Acq: 24 Jul 2018 19:25

Tgt Ion:	244	Resp:	1235985
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	10.5	11.0	16.4#





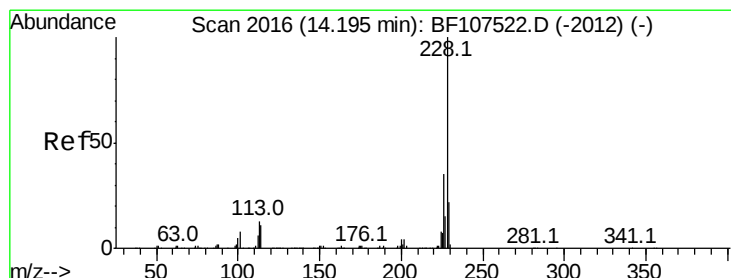
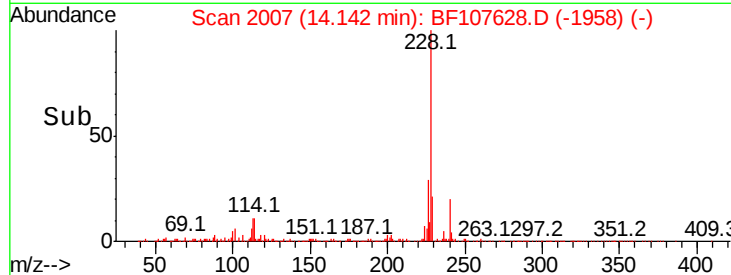
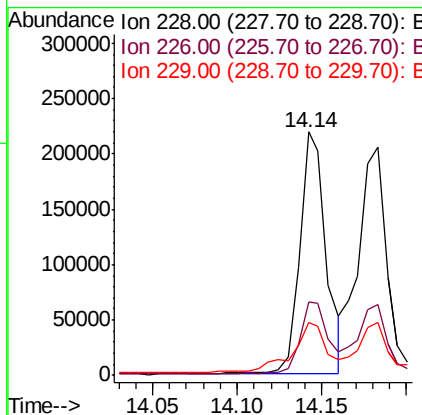
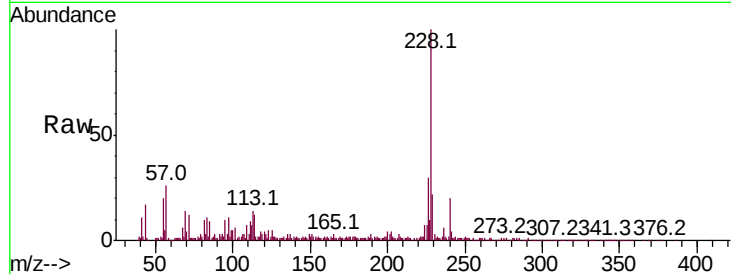
#80
Benzo(a)anthracene
Concen: 8.212 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF107628.D
Acq: 24 Jul 2018 19:25

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-01

Tot Ion	Ratio	Resp	Lower	Upper
228	100	239250		
226	30.1		22.6	33.8
229	21.9		15.8	23.6

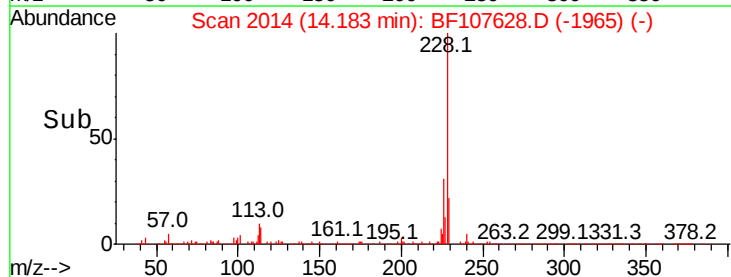
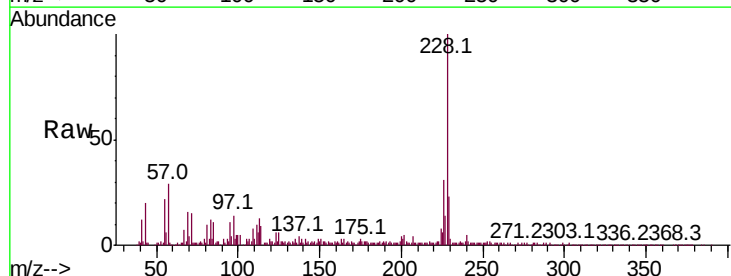
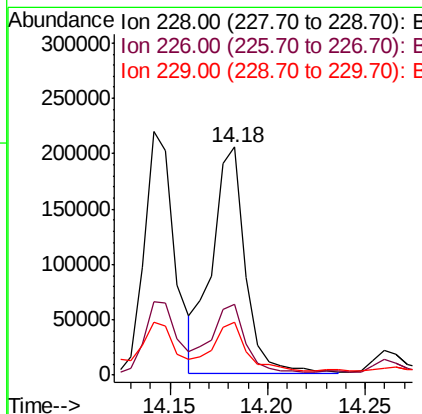
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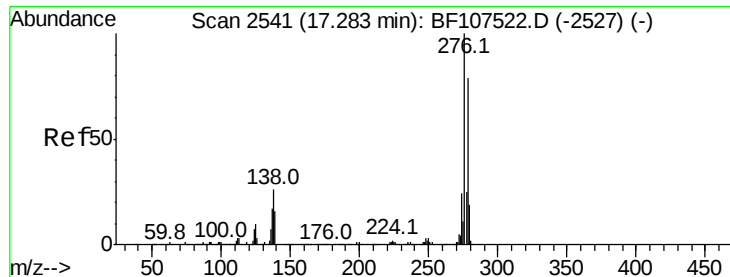
Sohil
7/25/2018 12:58:28 PM



#82
Chrysene
Concen: 8.728 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF107628.D
Acq: 24 Jul 2018 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	244262		
226	31.1		25.0	37.6
229	23.0		16.2	24.4





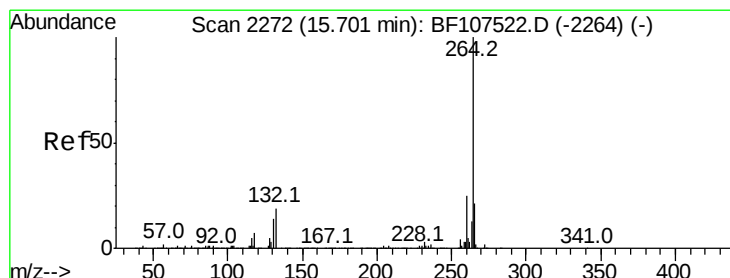
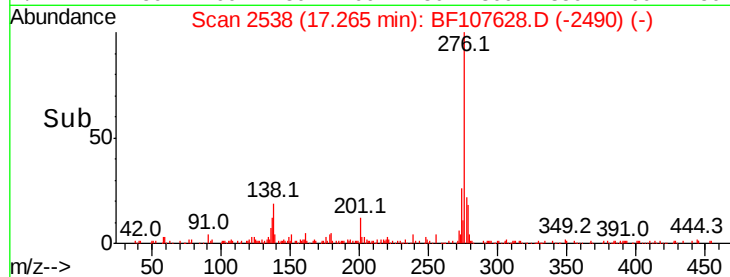
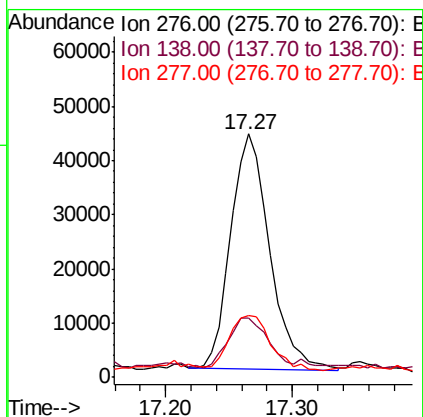
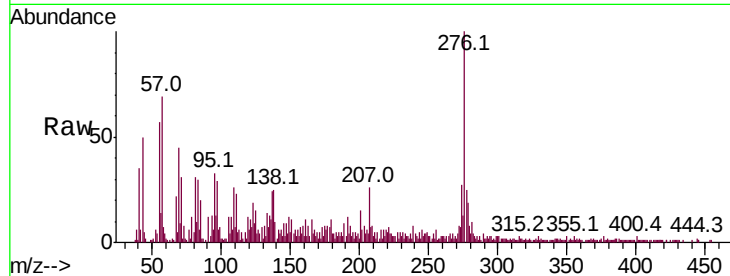
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.922 ng
RT: 17.27 min Scan# 2538
Delta R.T. -0.02 min
Lab File: BF107628.D
Acq: 24 Jul 2018 19:25

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.7	25.0	37.6#
277	25.2	20.1	30.1

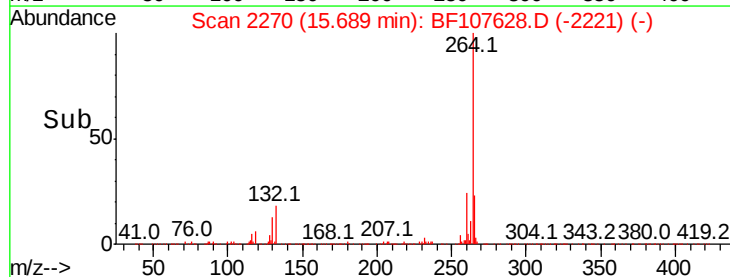
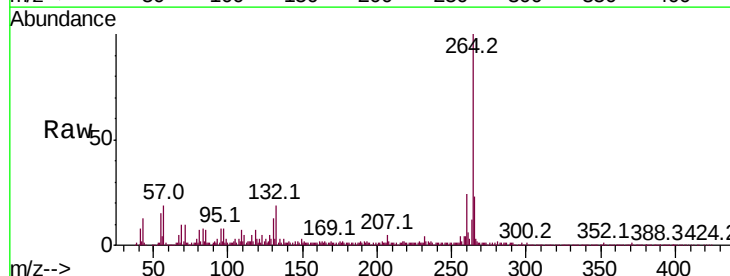
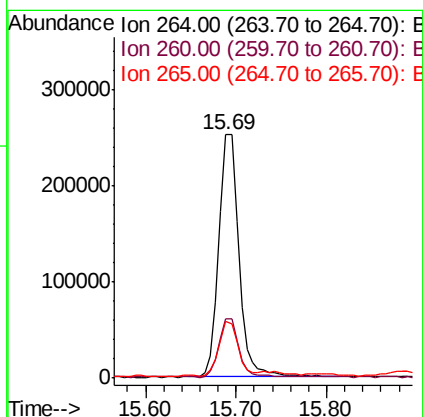
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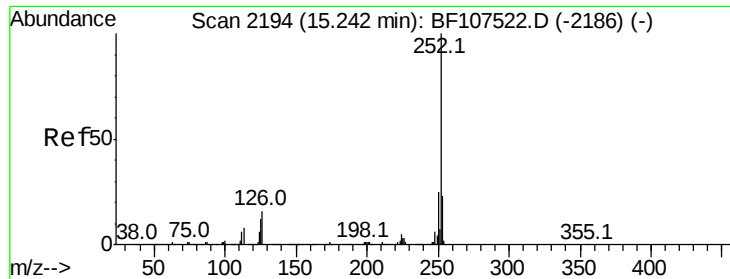
Sohil
7/25/2018 12:58:28 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF107628.D
Acq: 24 Jul 2018 19:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	23.2	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 12.240 ng m

RT: 15.23 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BF107628.D

Acq: 24 Jul 2018 19:25

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-01

Tot Ion:252 Resp: 260268

Ion Ratio Lower Upper

252 100

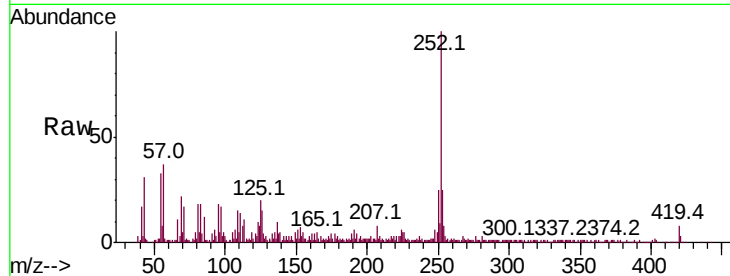
253 25.4 17.0 25.6

125 19.8 9.0 13.6#

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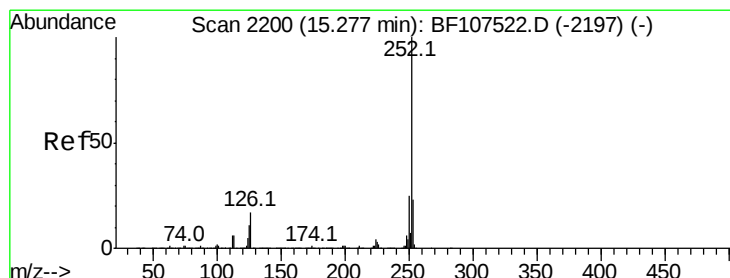
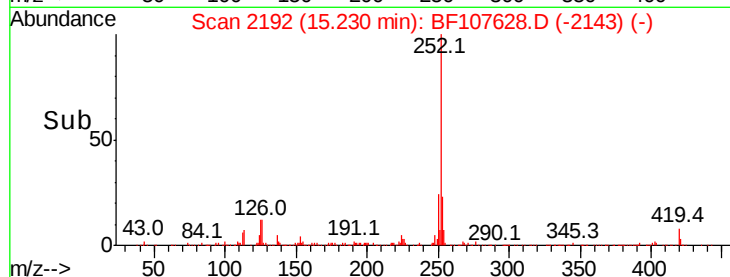
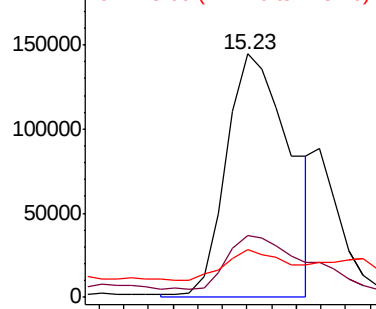


Abundance

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: 3.659 ng m

RT: 15.26 min Scan# 2197

Delta R.T. -0.02 min

Lab File: BF107628.D

Acq: 24 Jul 2018 19:25

Tgt Ion:252 Resp: 76233

Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

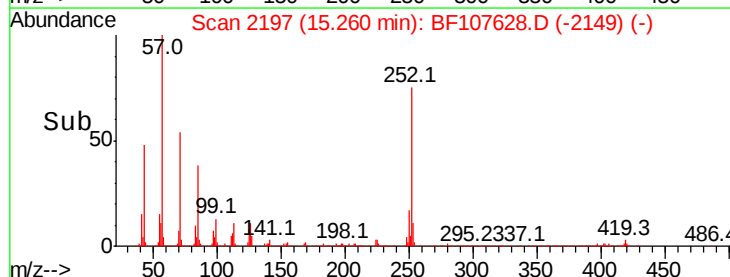
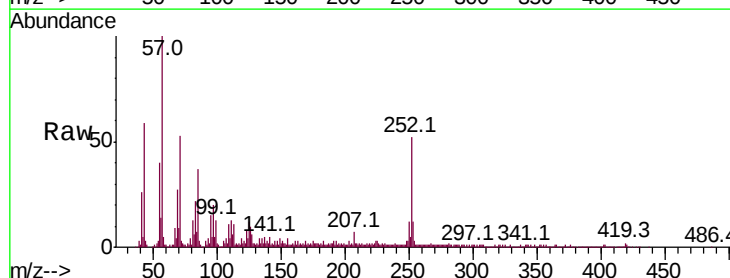
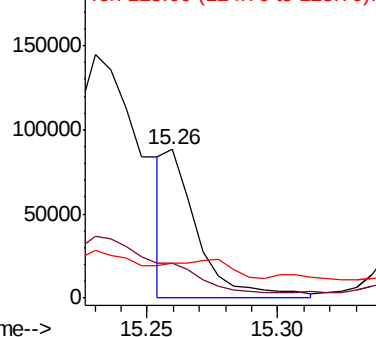
125 23.3 10.2 15.2#

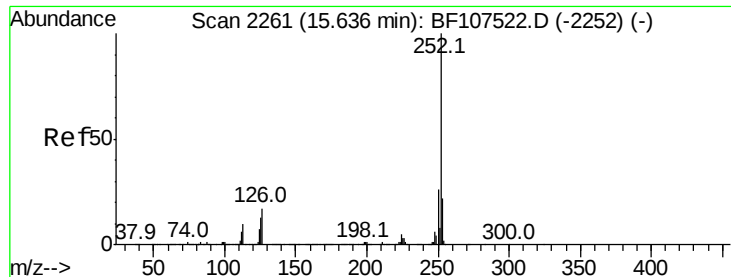
Abundance

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: 8.455 ng

RT: 15.62 min Scan# 2259

Delta R.T. -0.01 min

Lab File: BF107628.D

Acq: 24 Jul 2018 19:25

Instrument :

BNA_F

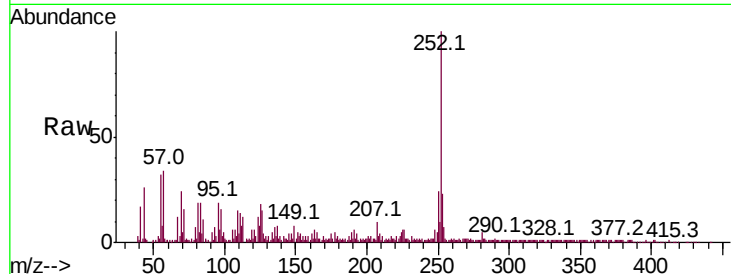
ClientSampleId :

GL-TOPSOIL-01

Tot Ion:	252	Resp:	164453
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.1	25.7
125	17.7	9.8	14.6#

Manual Integrations
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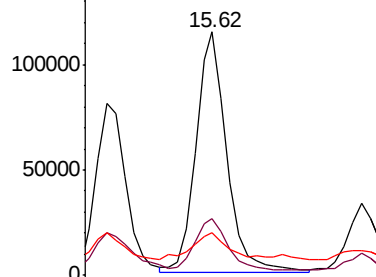


Abundance

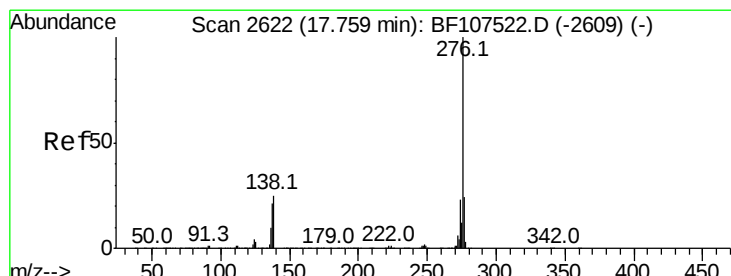
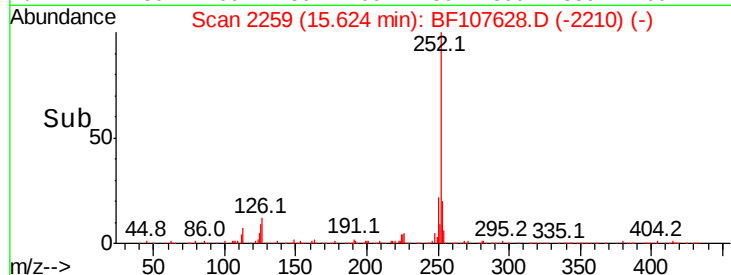
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#91

Benzo(g,h,i)perylene

Concen: 5.471 ng

RT: 17.75 min Scan# 2620

Delta R.T. -0.01 min

Lab File: BF107628.D

Acq: 24 Jul 2018 19:25

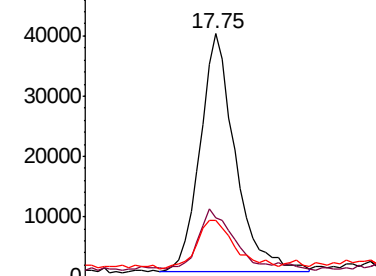
Tgt Ion:	276	Resp:	90741
Ion Ratio	Lower	Upper	
276	100		
277	24.1	17.9	26.9
138	23.3	21.8	32.8

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E



Time-->

