

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
 Data File : BF107629.D
 Acq On : 24 Jul 2018 19:52
 Operator : JU/SJ
 Sample : J4098-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-02

Manual Integrations
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 7/25/2018 12:58:31 PM

Quant Time: Jul 25 04:03:15 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	254926	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	941642	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	356622	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	639028	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	471158	20.00	ng	-0.01
86) Perylene-d12	15.69	264	371064	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1360960	85.84	ng	0.00
7) Phenol-d6	6.61	99	1664756	87.44	ng	0.00
23) Nitrobenzene-d5	7.53	82	997233	71.47	ng	-0.02
41) 2,4,6-Tribromophenol	10.81	330	345798	85.27	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	1509242	68.68	ng	-0.01
78) Terphenyl-d14	13.09	244	1187895	64.55	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.71	163	280533	10.438	ng	99
70) Phenanthrene	11.52	178	85762	2.754	ng	98
74) Fluoranthene	12.72	202	254901	7.628	ng	98
77) Pyrene	12.95	202	233238	7.237	ng	97
80) Benzo(a)anthracene	14.14	228	119112	4.314	ng	97
82) Chrysene	14.18	228	122246	4.609	ng	98
85) Indeno(1,2,3-cd)pyrene	17.26	276	55129	2.452	ng	# 92
87) Benzo(b)fluoranthene	15.23	252	137044m	6.748	ng	
88) Benzo(k)fluoranthene	15.25	252	55693m	2.799	ng	
89) Benzo(a)pyrene	15.62	252	90129	4.852	ng	# 87
91) Benzo(g,h,i)perylene	17.75	276	56158	3.545	ng	# 92

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

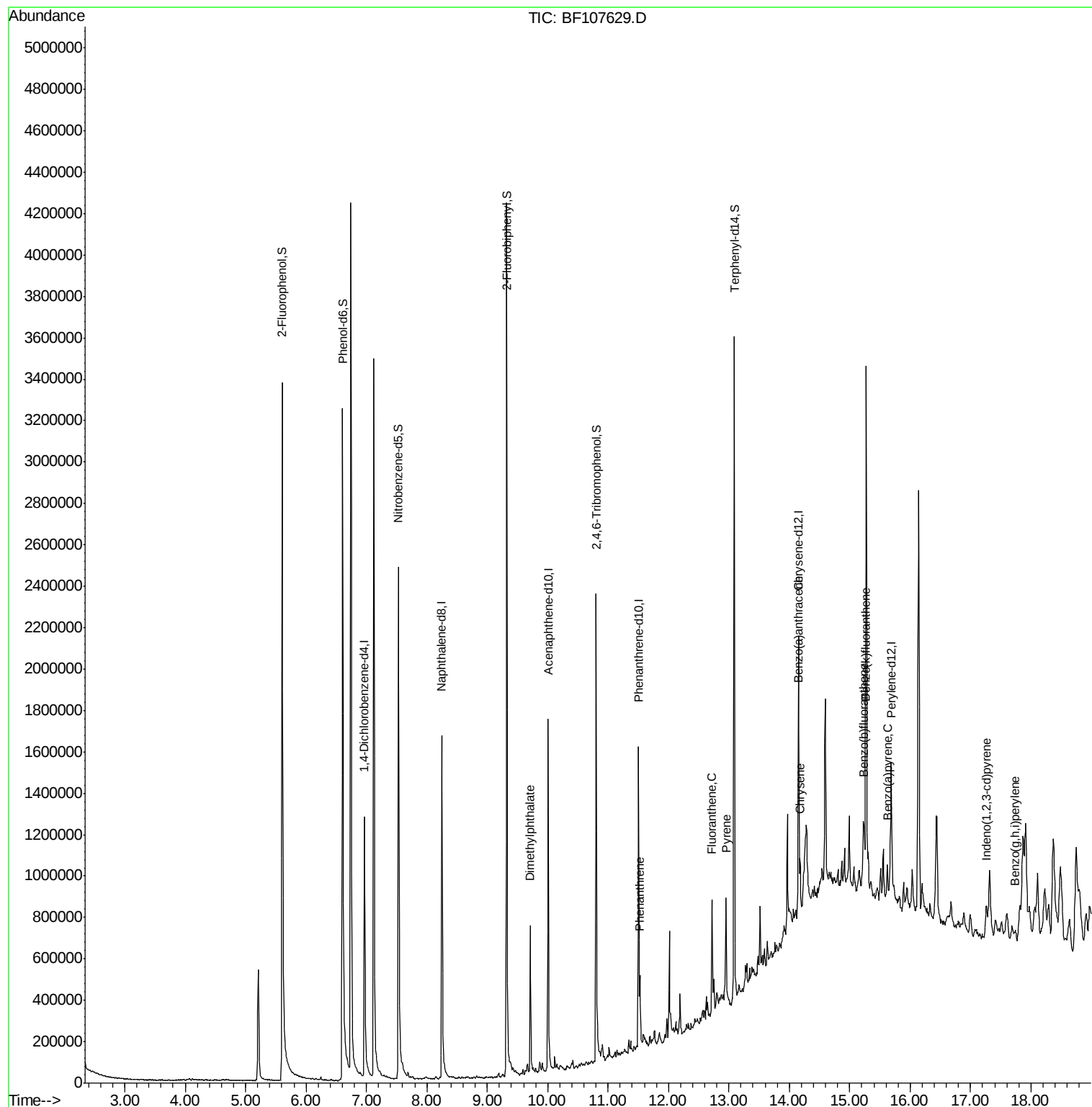
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107629.D
Acq On : 24 Jul 2018 19:52
Operator : JU/SJ
Sample : J4098-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

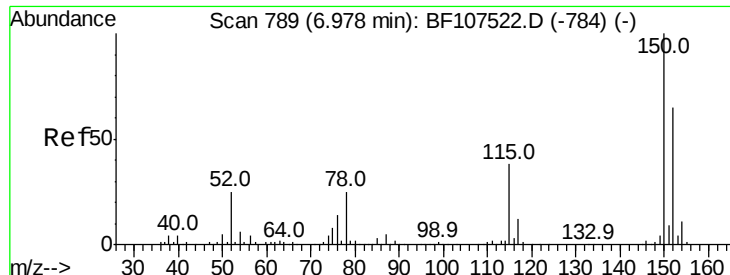
Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-02

Quant Time: Jul 25 04:03:15 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
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#1

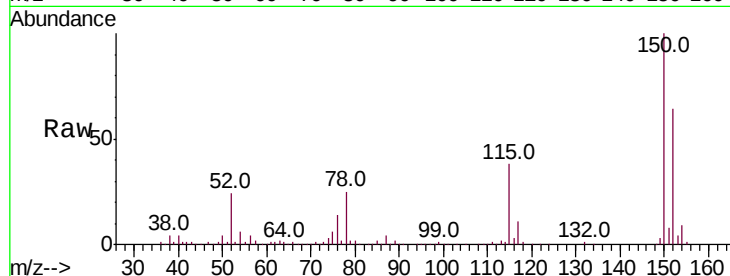
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107629.D
Acq: 24 Jul 2018 19:52

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-02

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	59.7	50.1	75.1

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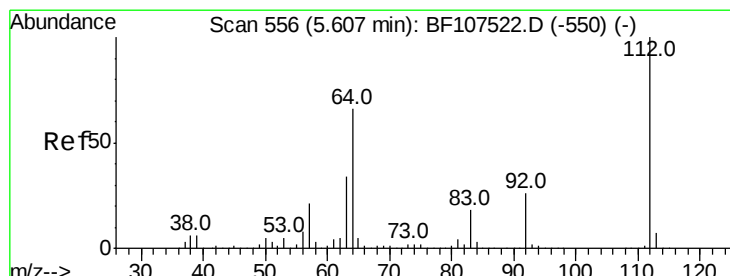
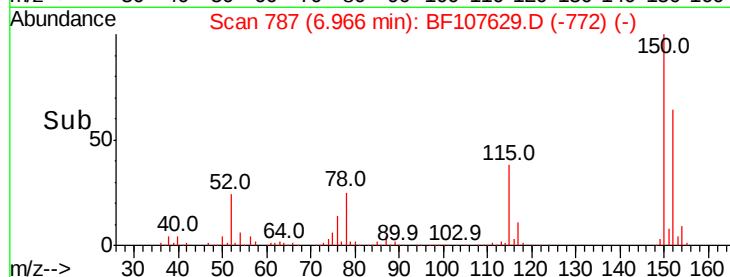
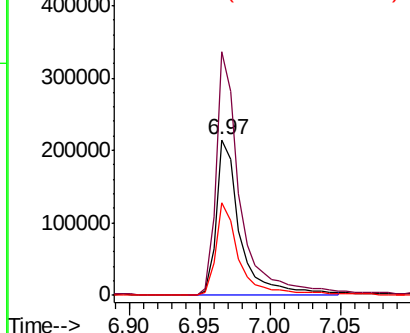


Abundance

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: 85.835 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF107629.D
Acq: 24 Jul 2018 19:52

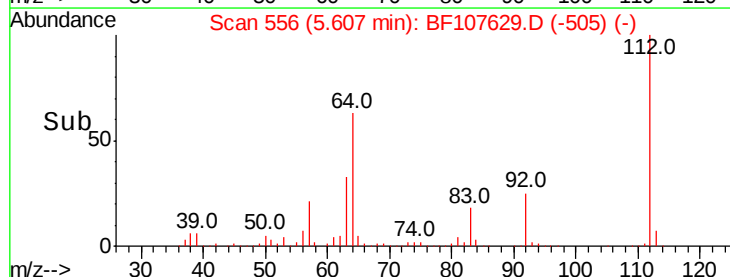
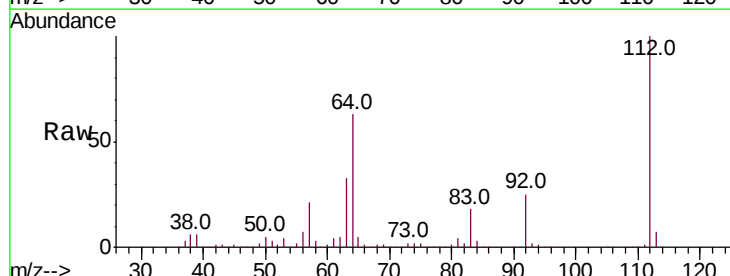
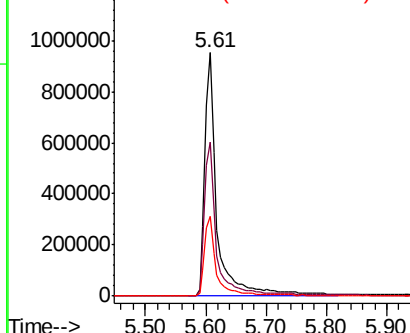
Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.3	47.9	71.9
63	32.7	23.7	35.5

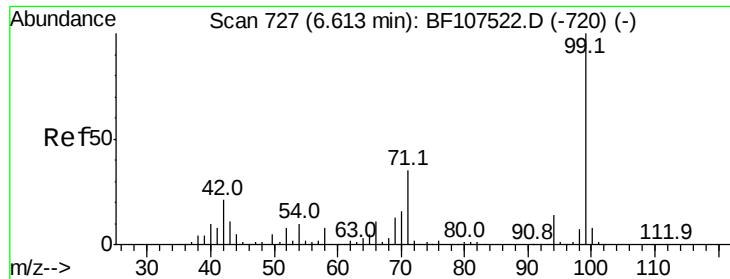
Abundance

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: 87.442 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107629.D

Acq: 24 Jul 2018 19:52

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-02

Tot Ion: 99 Resp: 1664756

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

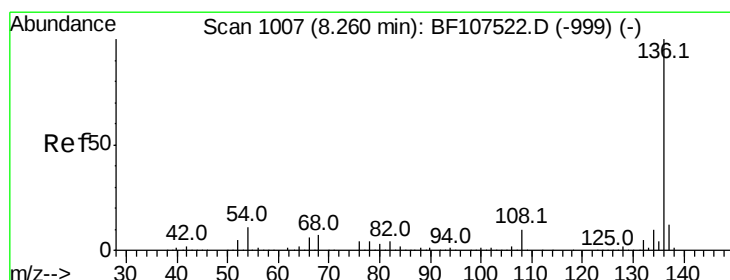
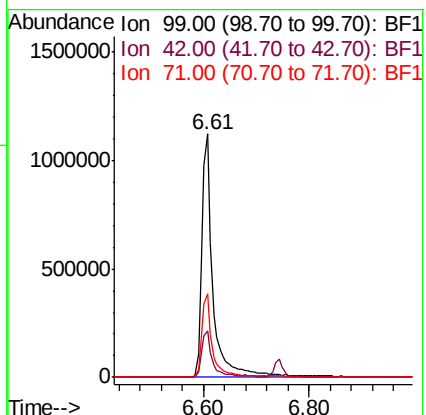
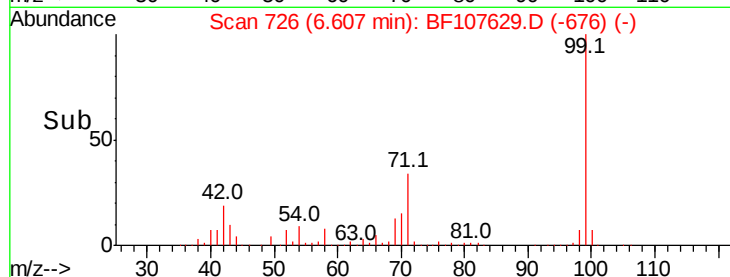
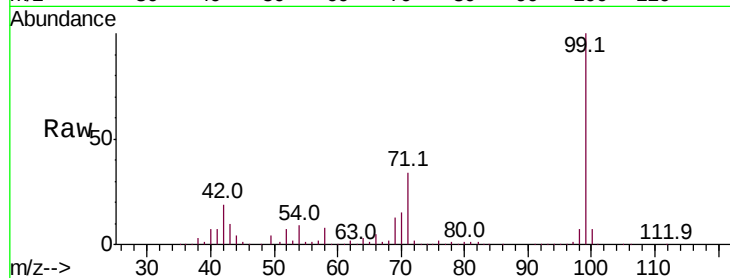
71 34.2 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF107629.D

Acq: 24 Jul 2018 19:52

Tgt Ion: 136 Resp: 941642

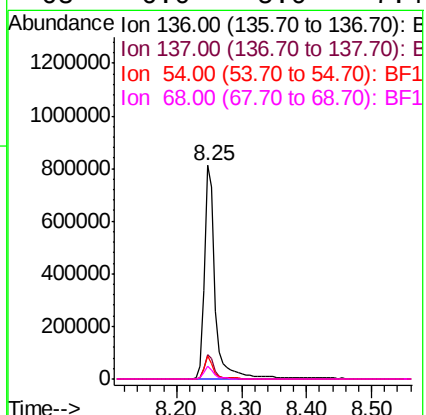
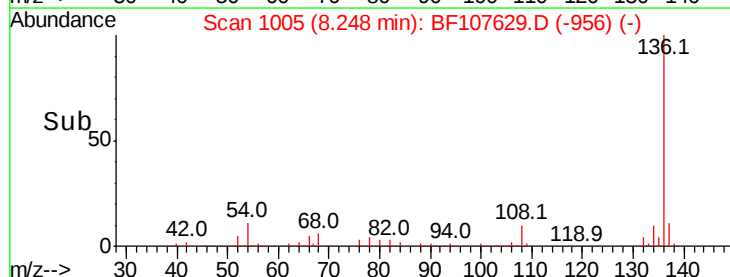
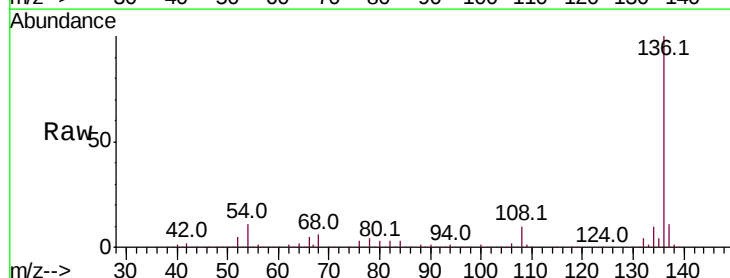
Ion Ratio Lower Upper

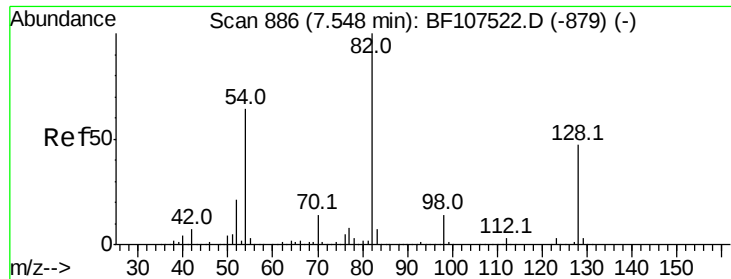
136 100

137 11.3 8.9 13.3

54 10.6 6.6 9.8#

68 6.0 5.0 7.4





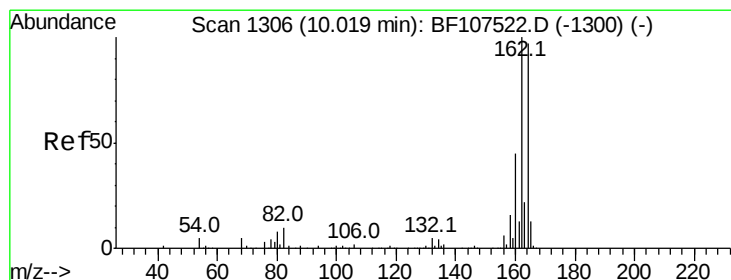
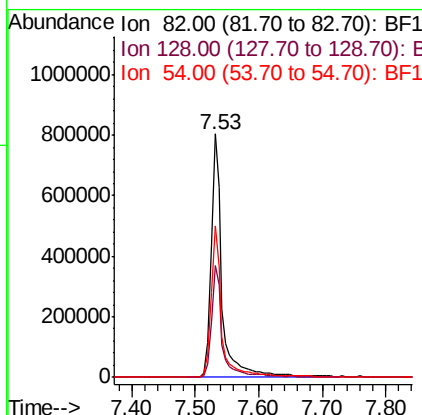
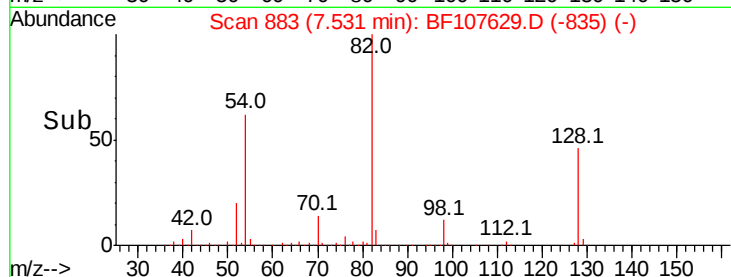
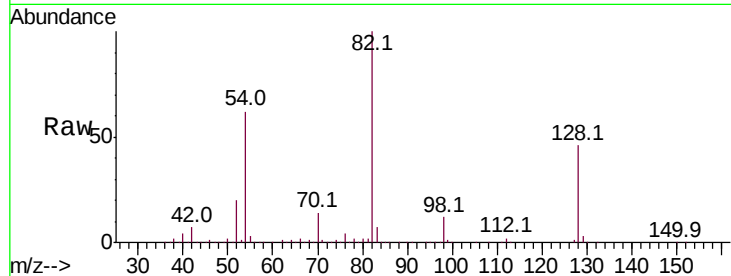
#23
Nitrobenzene-d5
Concen: 71.472 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107629.D
Acq: 24 Jul 2018 19:52

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-02

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.1	54.1
54	62.3	41.4	62.2#

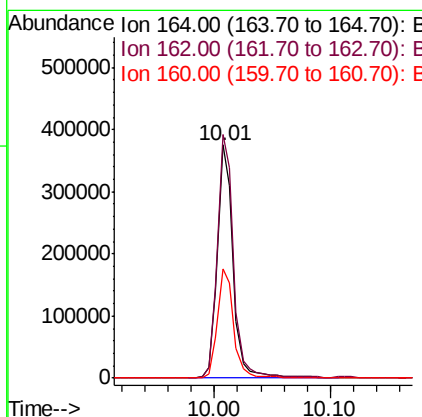
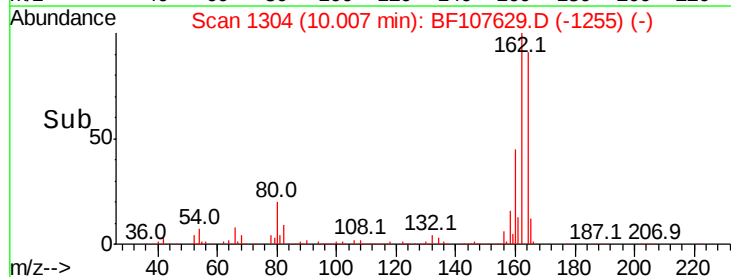
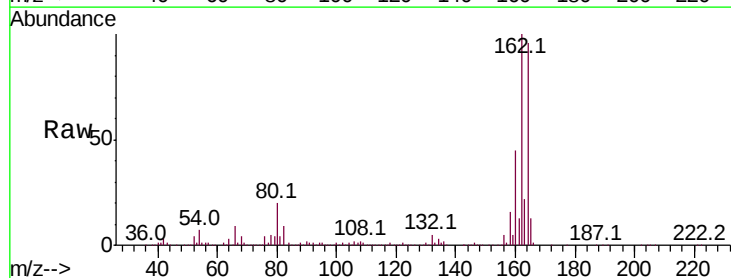
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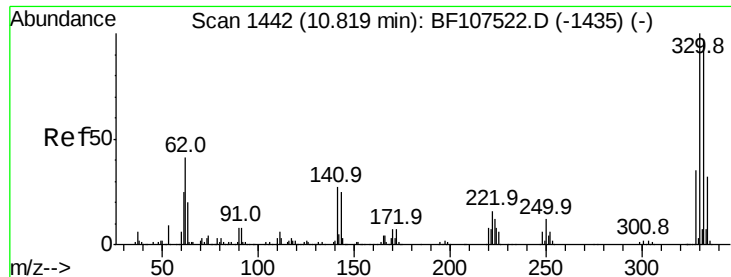
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF107629.D
Acq: 24 Jul 2018 19:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	86.1	129.1
160	47.1	38.3	57.5





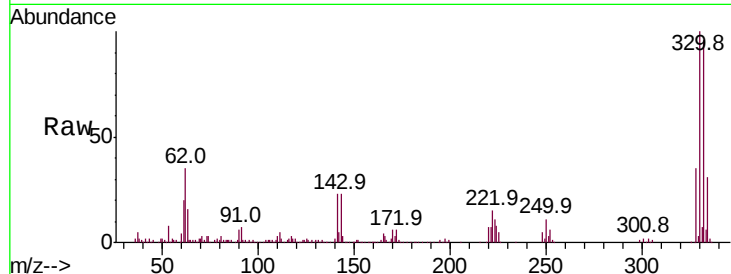
#41
 2,4,6-Tribromophenol
 Concen: 85.270 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF107629.D
 Acq: 24 Jul 2018 19:52

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-02

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	28.8	29.9	44.9#

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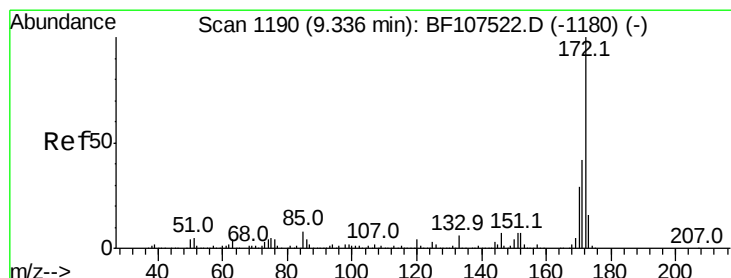
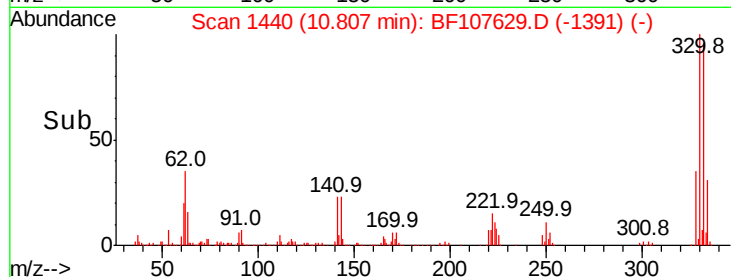
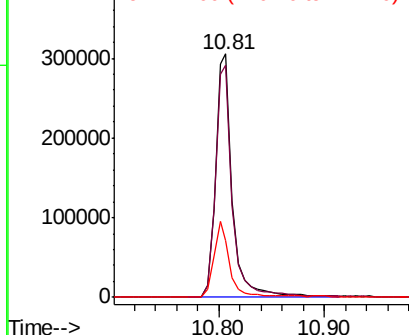


Abundance

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



#44
 2-Fluorobiphenyl
 Concen: 68.679 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF107629.D
 Acq: 24 Jul 2018 19:52

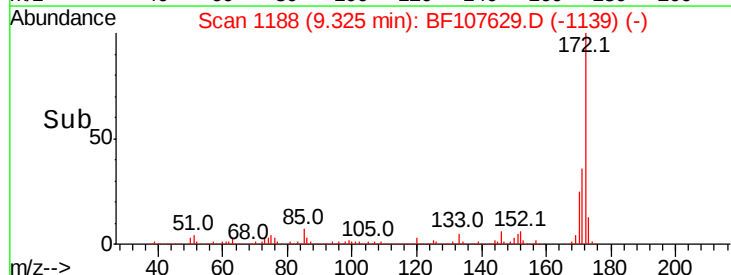
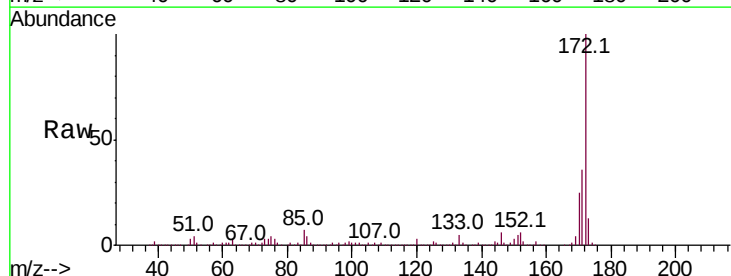
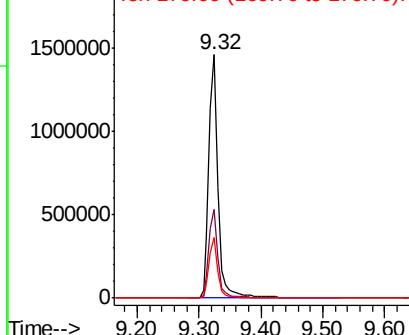
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	25.0	19.6	29.4

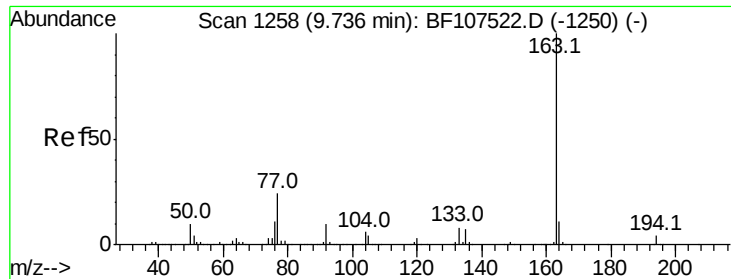
Abundance

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





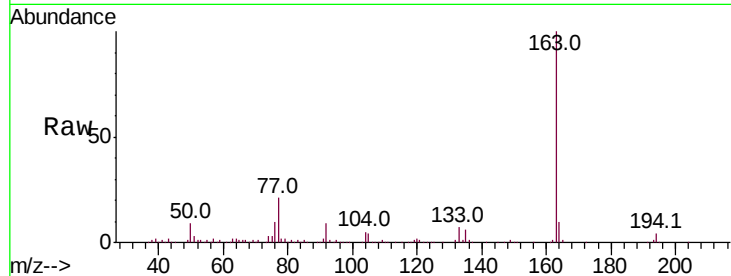
#49
Dimethylphthalate
Concen: 10.438 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF107629.D
Acq: 24 Jul 2018 19:52

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-02

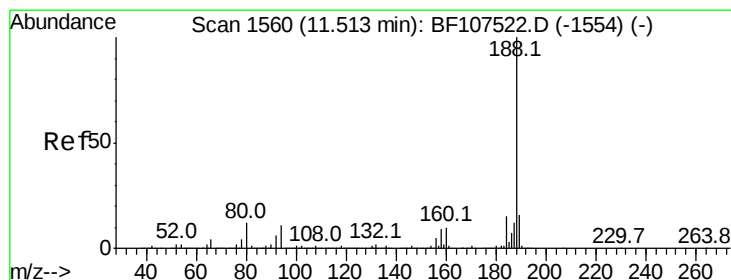
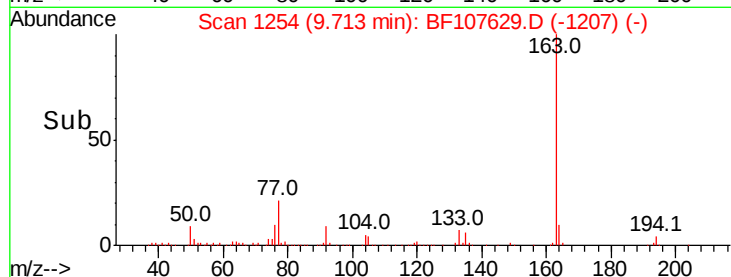
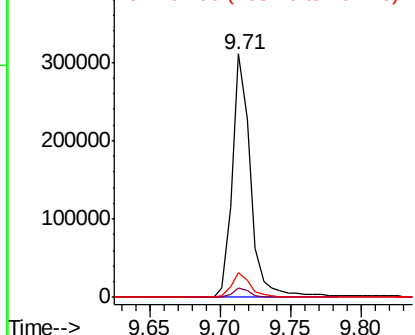
Tot Ion	Ratio	Resp	Lower	Upper
163	100	280533		
194	3.7		2.7	4.1
164	9.9		8.2	12.2

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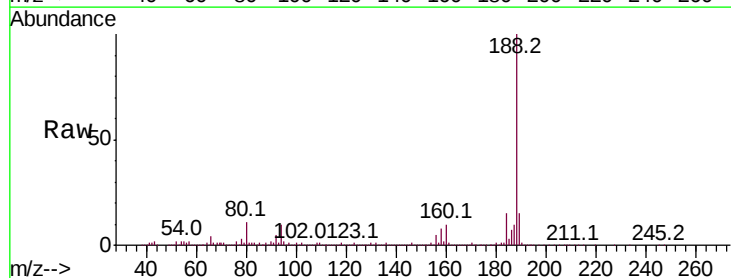


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

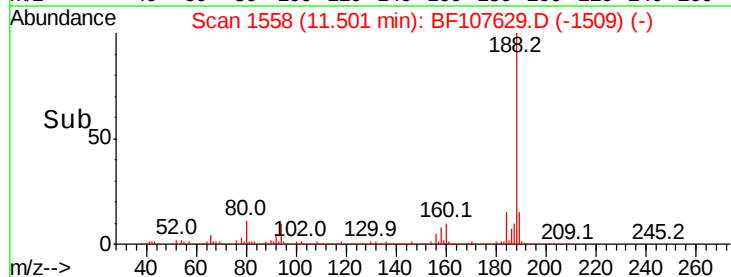
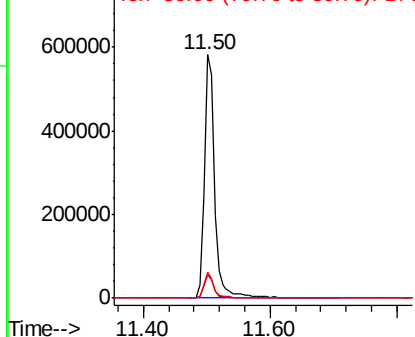


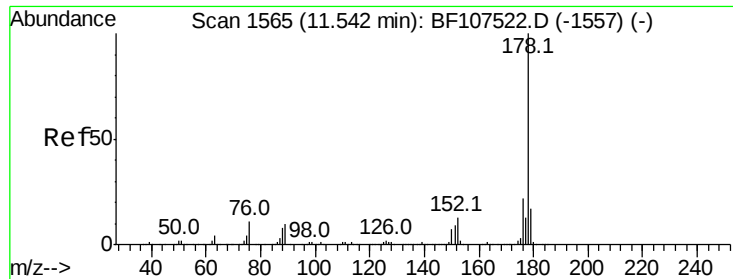
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF107629.D
Acq: 24 Jul 2018 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	639028		
94	9.8		8.5	12.7
80	10.6		9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





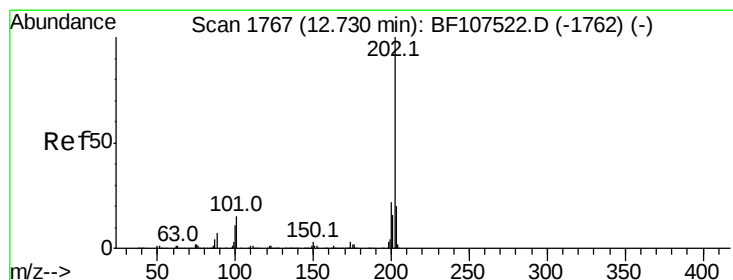
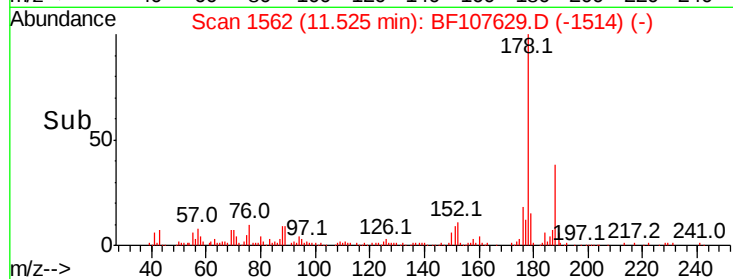
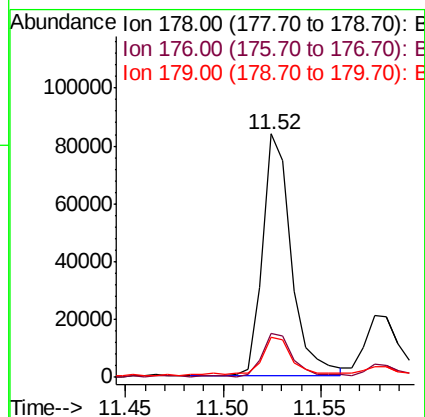
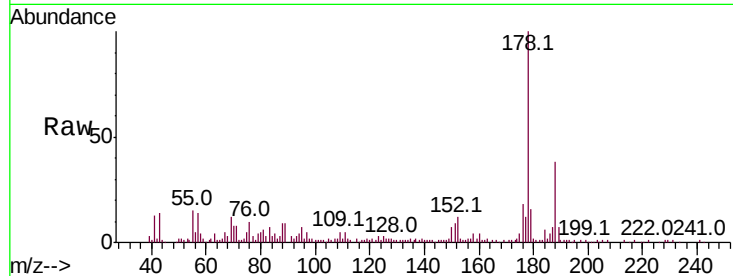
#70
Phenanthrene
Concen: 2.754 ng
RT: 11.52 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF107629.D
Acq: 24 Jul 2018 19:52

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-02

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.8
179	16.2	13.0	19.6

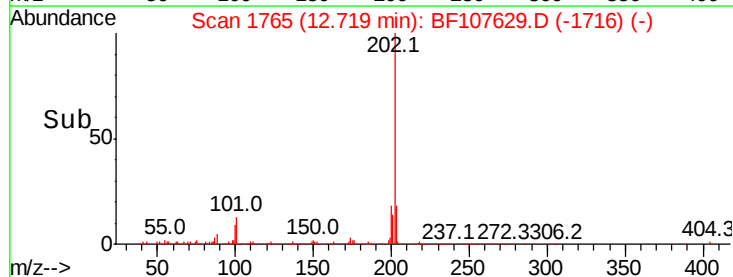
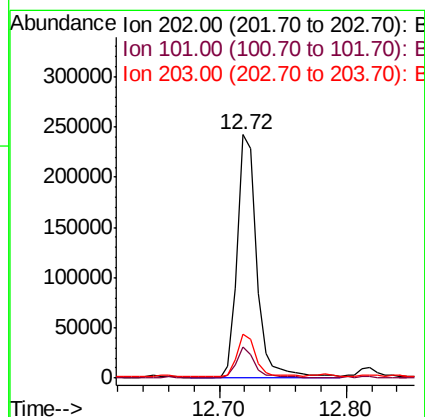
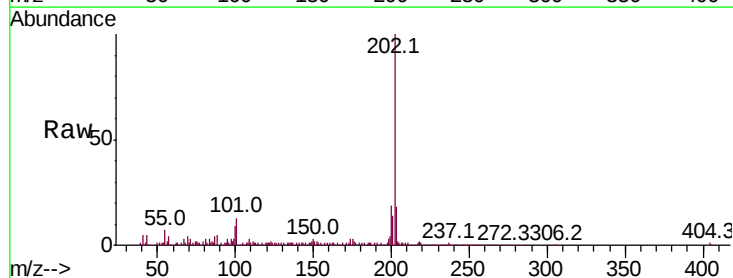
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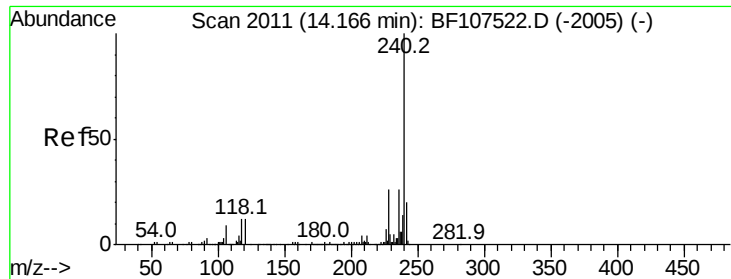
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#74
Fluoranthene
Concen: 7.628 ng
RT: 12.72 min Scan# 1765
Delta R.T. -0.01 min
Lab File: BF107629.D
Acq: 24 Jul 2018 19:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF107629.D

Acq: 24 Jul 2018 19:52

Instrument :

BNA_F

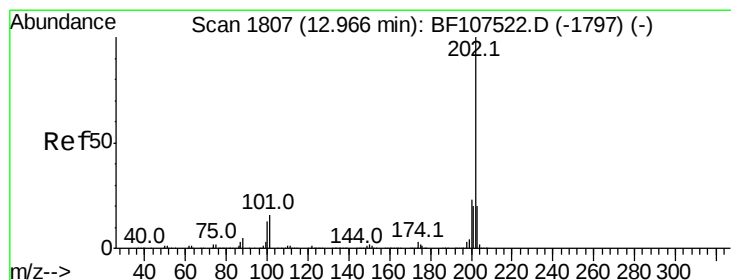
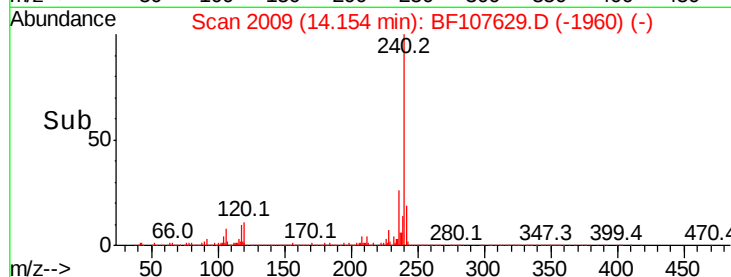
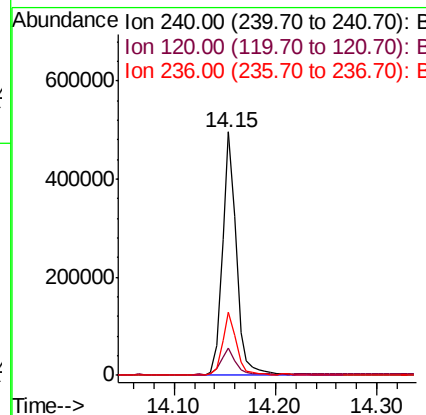
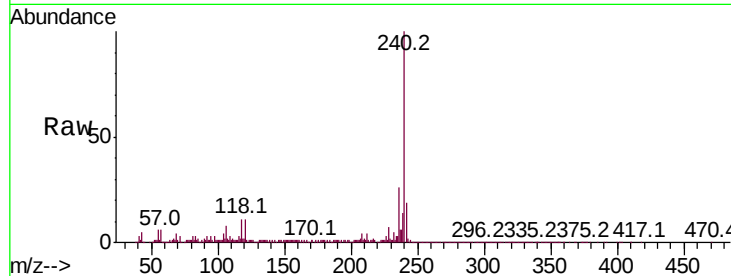
ClientSampleId :

GL-TOPSOIL-02

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.5	14.3
236	25.7	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 7.237 ng

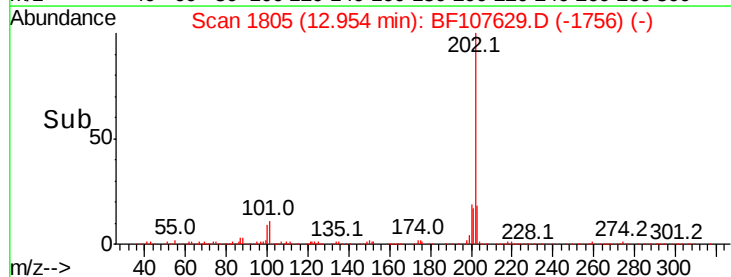
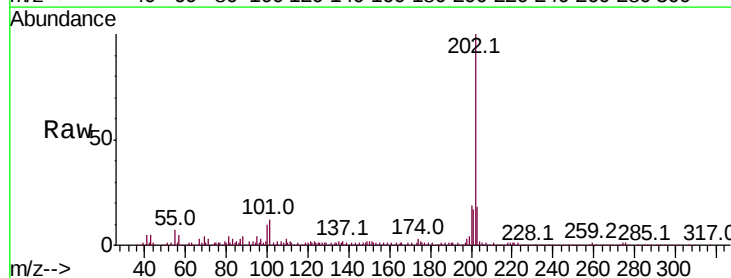
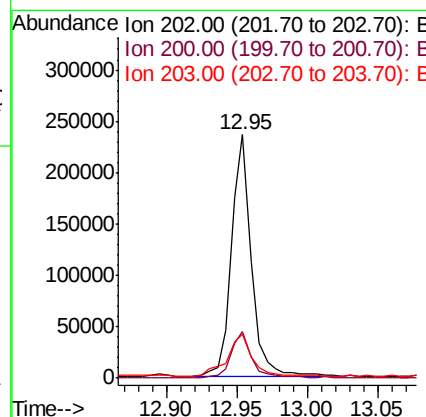
RT: 12.95 min Scan# 1805

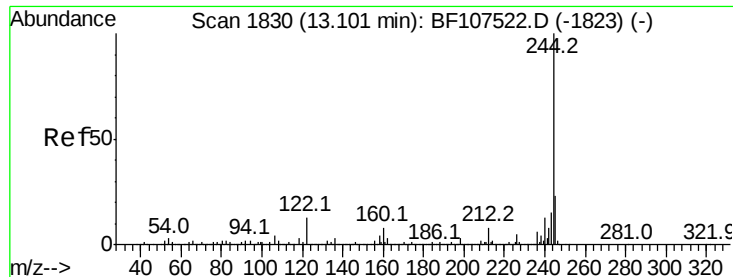
Delta R.T. -0.01 min

Lab File: BF107629.D

Acq: 24 Jul 2018 19:52

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.2	17.4	26.2
203	18.2	14.3	21.5





#78

Terphenyl-d14

Concen: 64.546 ng

RT: 13.09 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF107629.D

Acq: 24 Jul 2018 19:52

Instrument :

BNA_F

ClientSampleId :

GL-TOPSOIL-02

Tot Ion:244 Resp: 1187895

Ion Ratio Lower Upper

244 100

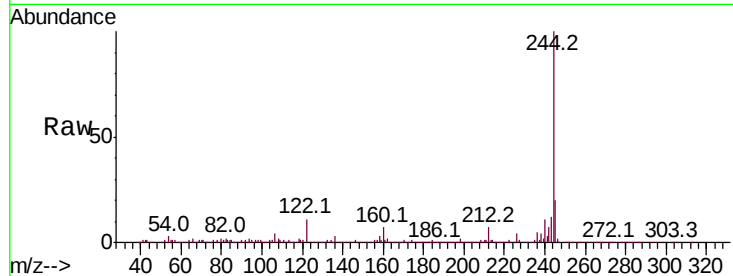
212 6.7 5.4 8.0

122 10.8 11.0 16.4#

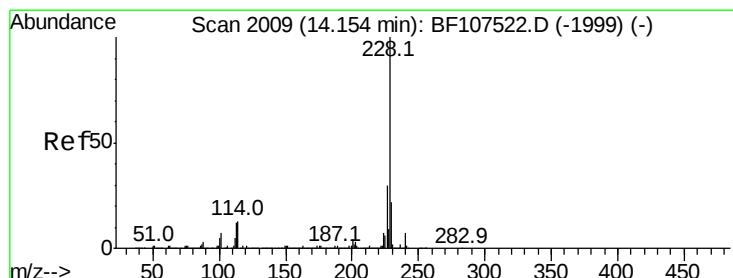
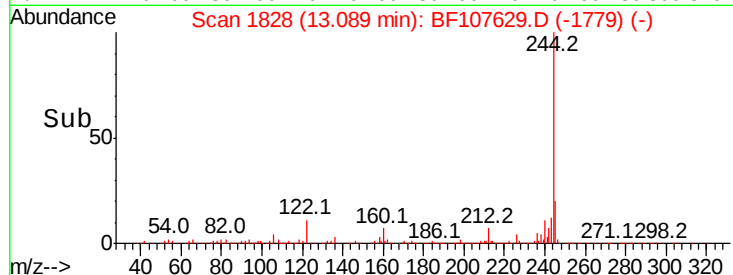
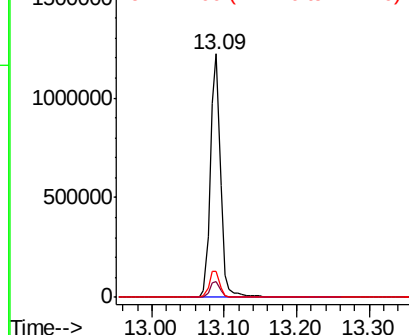
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 4.314 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF107629.D

Acq: 24 Jul 2018 19:52

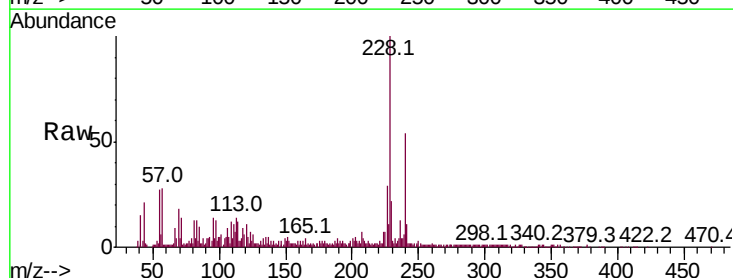
Tgt Ion:228 Resp: 119112

Ion Ratio Lower Upper

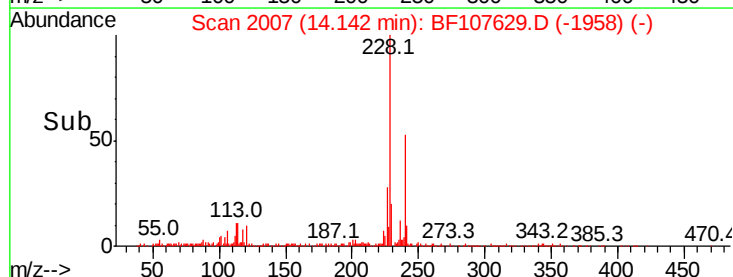
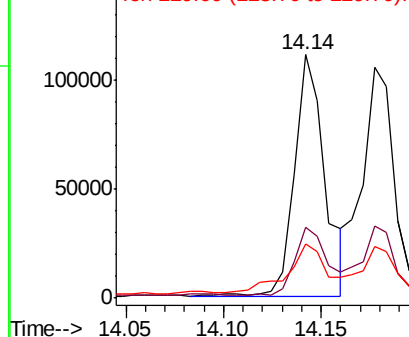
228 100

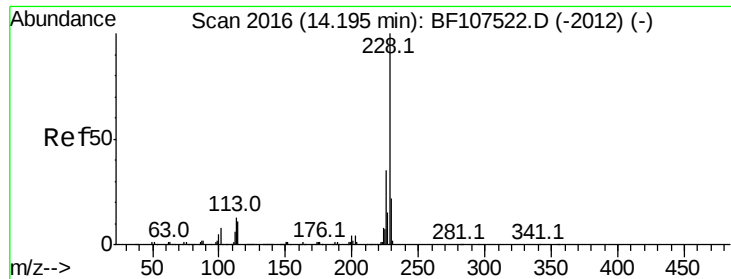
226 29.2 22.6 33.8

229 22.0 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





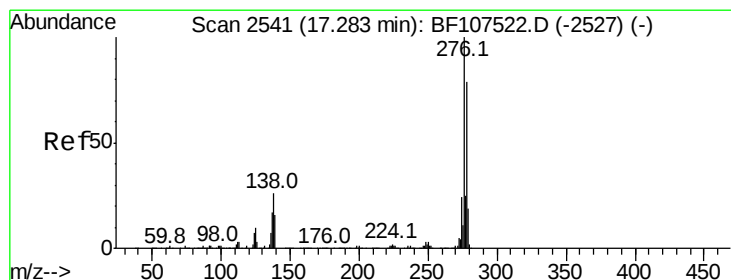
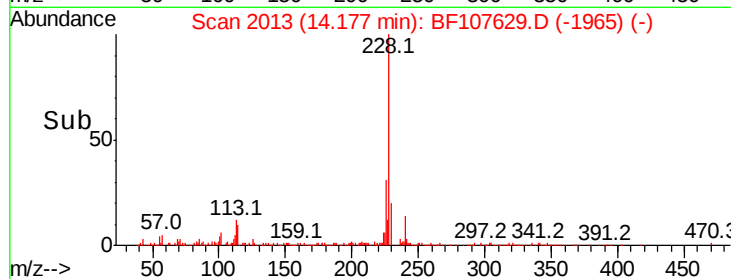
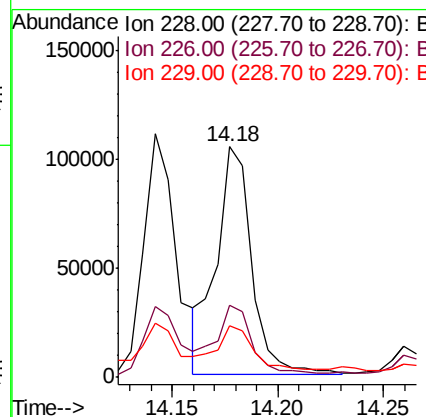
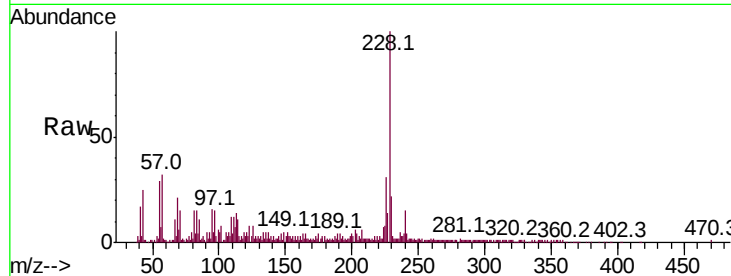
#82
Chrysene
Concen: 4.609 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.02 min
Lab File: BF107629.D
Acq: 24 Jul 2018 19:52

Instrument :
BNA_F
ClientSampled :
GL-TOPSOIL-02

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	22.2	16.2	24.4

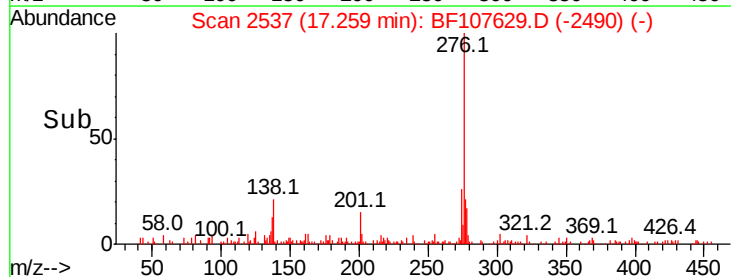
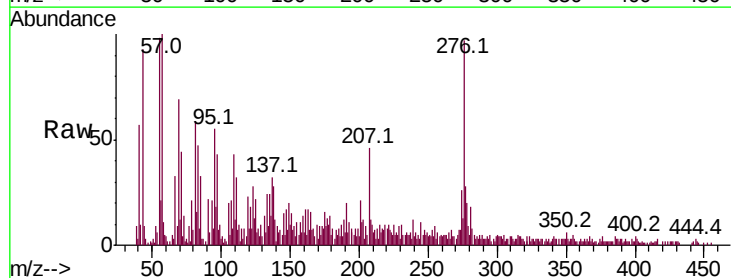
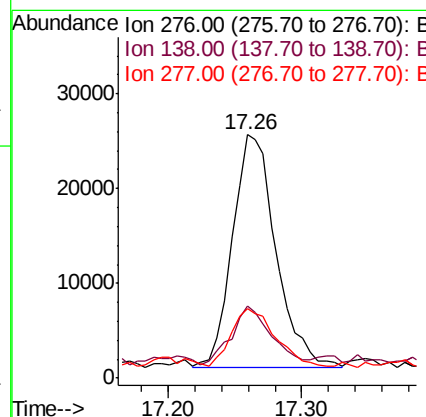
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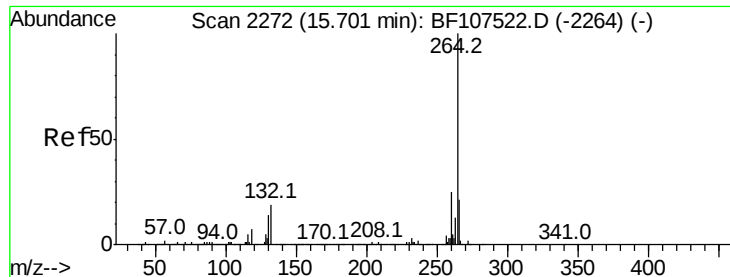
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.452 ng
RT: 17.26 min Scan# 2537
Delta R.T. -0.02 min
Lab File: BF107629.D
Acq: 24 Jul 2018 19:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.8	25.0	37.6#
277	25.2	20.1	30.1





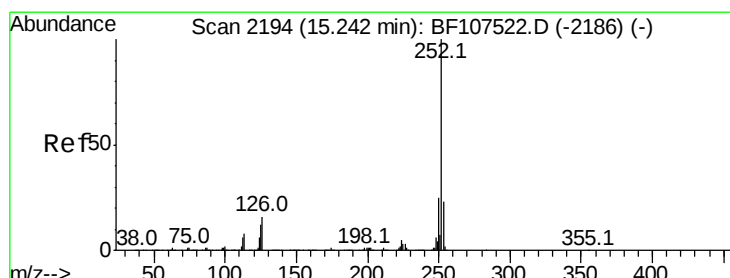
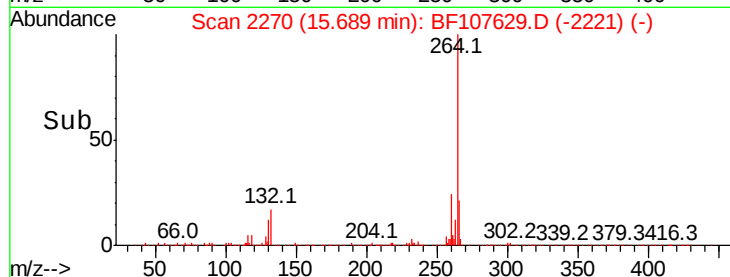
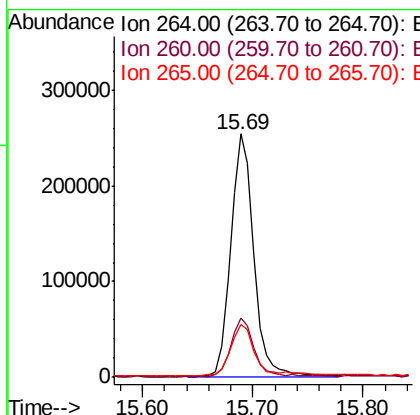
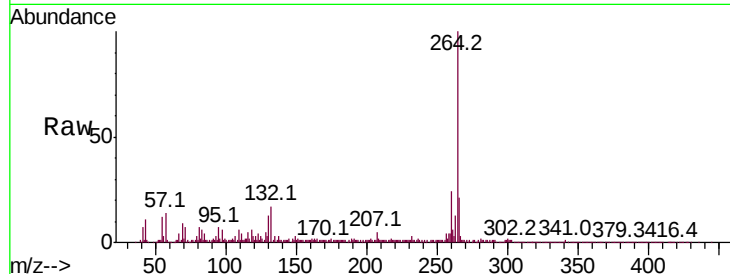
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF107629.D
Acq: 24 Jul 2018 19:52

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-02

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.5	17.5	26.3

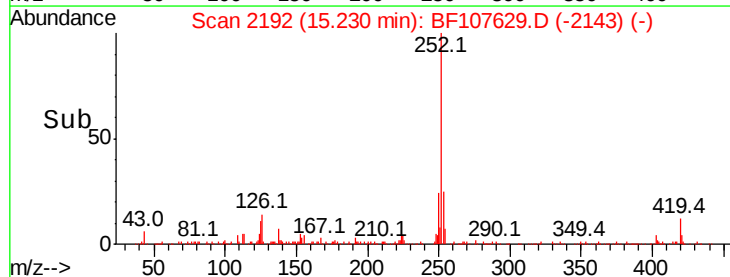
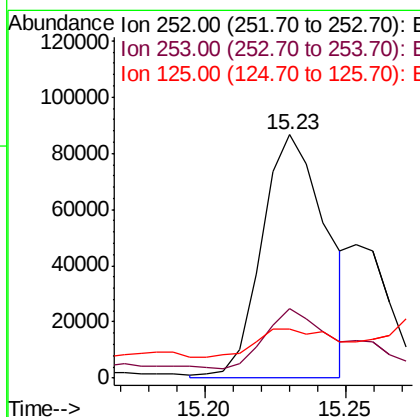
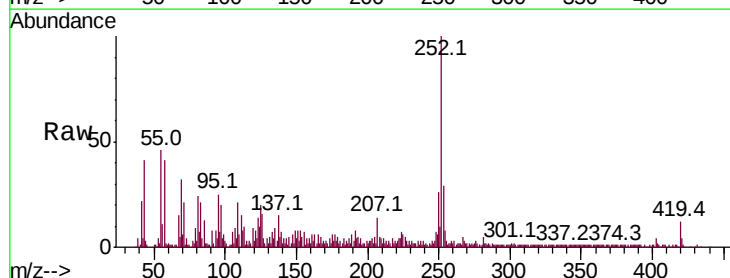
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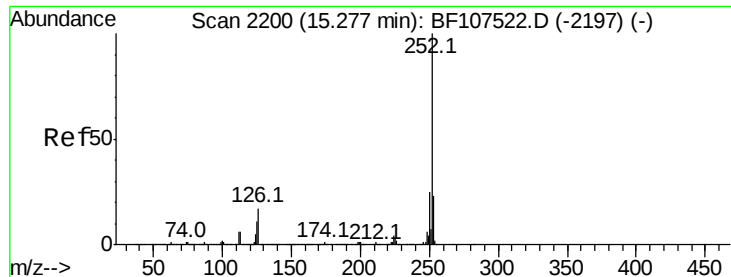
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#87
Benzo(b)fluoranthene
Concen: 6.748 ng m
RT: 15.23 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF107629.D
Acq: 24 Jul 2018 19:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.5	17.0	25.6#
125	20.2	9.0	13.6#





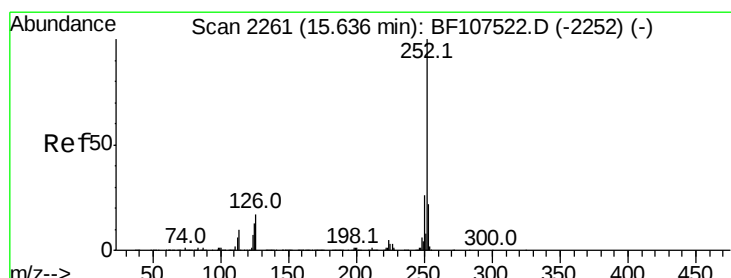
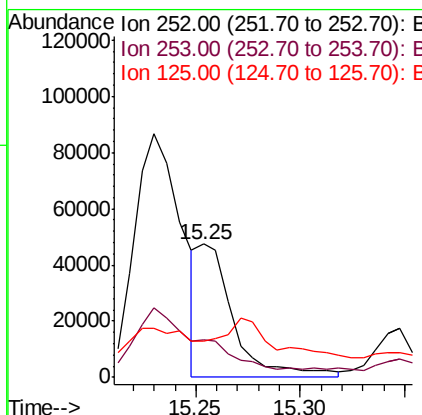
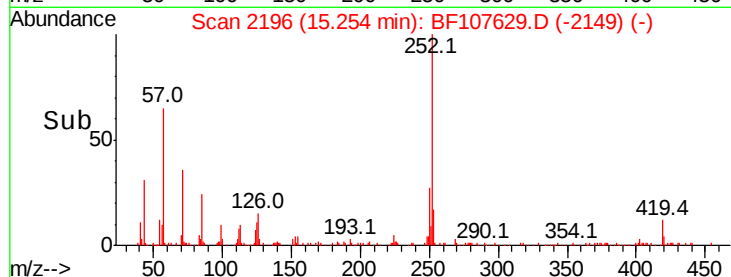
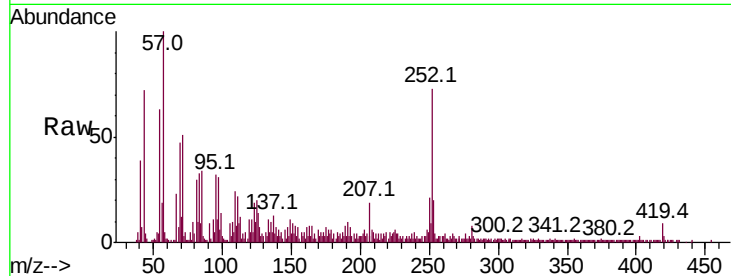
#88
Benzo(k)fluoranthene
Concen: 2.799 ng m
RT: 15.25 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BF107629.D
Acq: 24 Jul 2018 19:52

Instrument :
BNA_F
ClientSampleId :
GL-TOPSOIL-02

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	27.7	17.9	26.9#	
125	27.1	10.2	15.2#	

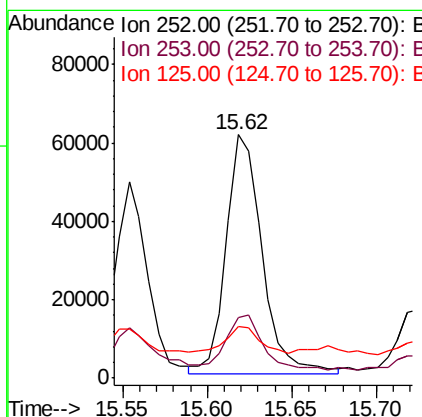
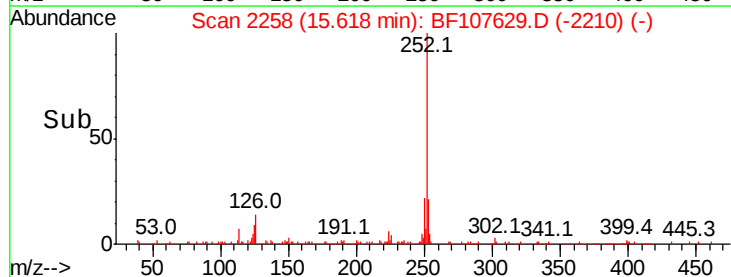
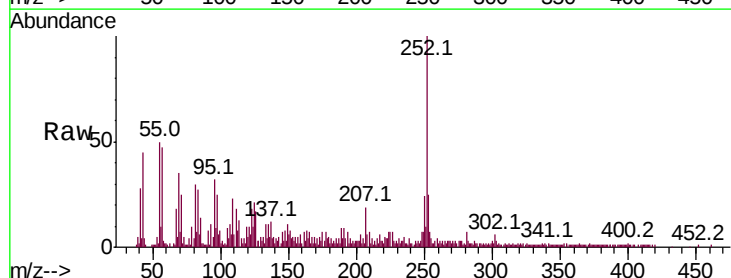
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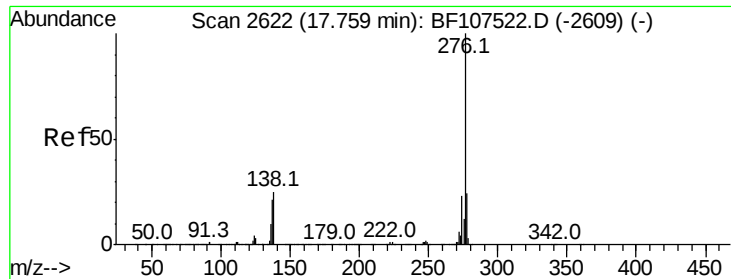
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#89
Benzo(a)pyrene
Concen: 4.852 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.02 min
Lab File: BF107629.D
Acq: 24 Jul 2018 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	25.0	17.1	25.7	
125	21.3	9.8	14.6#	





#91
 Benzo(a,h,i)perylene
 Concen: 3.545 ng
 RT: 17.75 min Scan# 2620
 Delta R.T. -0.01 min
 Lab File: BF107629.D
 Acq: 24 Jul 2018 19:52

Instrument :
 BNA_F
 ClientSampleId :
 GL-TOPSOIL-02

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.1	17.9	26.9#
138	25.3	21.8	32.8

Manual Integrations
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