

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072018\
 Data File : BF107549.D
 Acq On : 21 Jul 2018 2:42
 Operator : JU/SJ
 Sample : J4030-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB1-12-0

Manual Integrations
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Quant Time: Jul 21 05:17:57 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	6.98	152	310662	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	1120213	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	433162	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	783764	20.00	ng	0.00
75) Chrysene-d12	14.16	240	688512	20.00	ng	0.00
86) Perylene-d12	15.70	264	525525	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1504022	77.84	ng	0.00
7) Phenol-d6	6.61	99	1803205	77.72	ng	0.00
23) Nitrobenzene-d5	7.54	82	1068585	64.38	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	395802	80.35	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1796709	66.90	ng	0.00
78) Terphenyl-d14	13.09	244	1546643	57.51	ng	0.00
Target Compounds						
31) Naphthalene	8.28	128	118877	2.413	ng	99
37) 2-Methylnaphthalene	8.97	142	107320	3.144	ng	98
49) Dimethylphthalate	9.72	163	392311	12.017	ng	99
70) Phenanthrene	11.54	178	275088	7.203	ng	98
74) Fluoranthene	12.73	202	373442	9.112	ng	97
77) Pyrene	12.96	202	337873	7.174	ng	97
80) Benzo(a)anthracene	14.15	228	190502m	4.721	ng	
82) Chrysene	14.19	228	212445	5.481	ng	99
87) Benzo(b)fluoranthene	15.24	252	208772m	7.259	ng	
88) Benzo(k)fluoranthene	15.27	252	77198m	2.740	ng	
89) Benzo(a)pyrene	15.63	252	109110	4.147	ng	# 93
91) Benzo(a,h,i)perylene	17.75	276	66719	2.974	ng	92

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

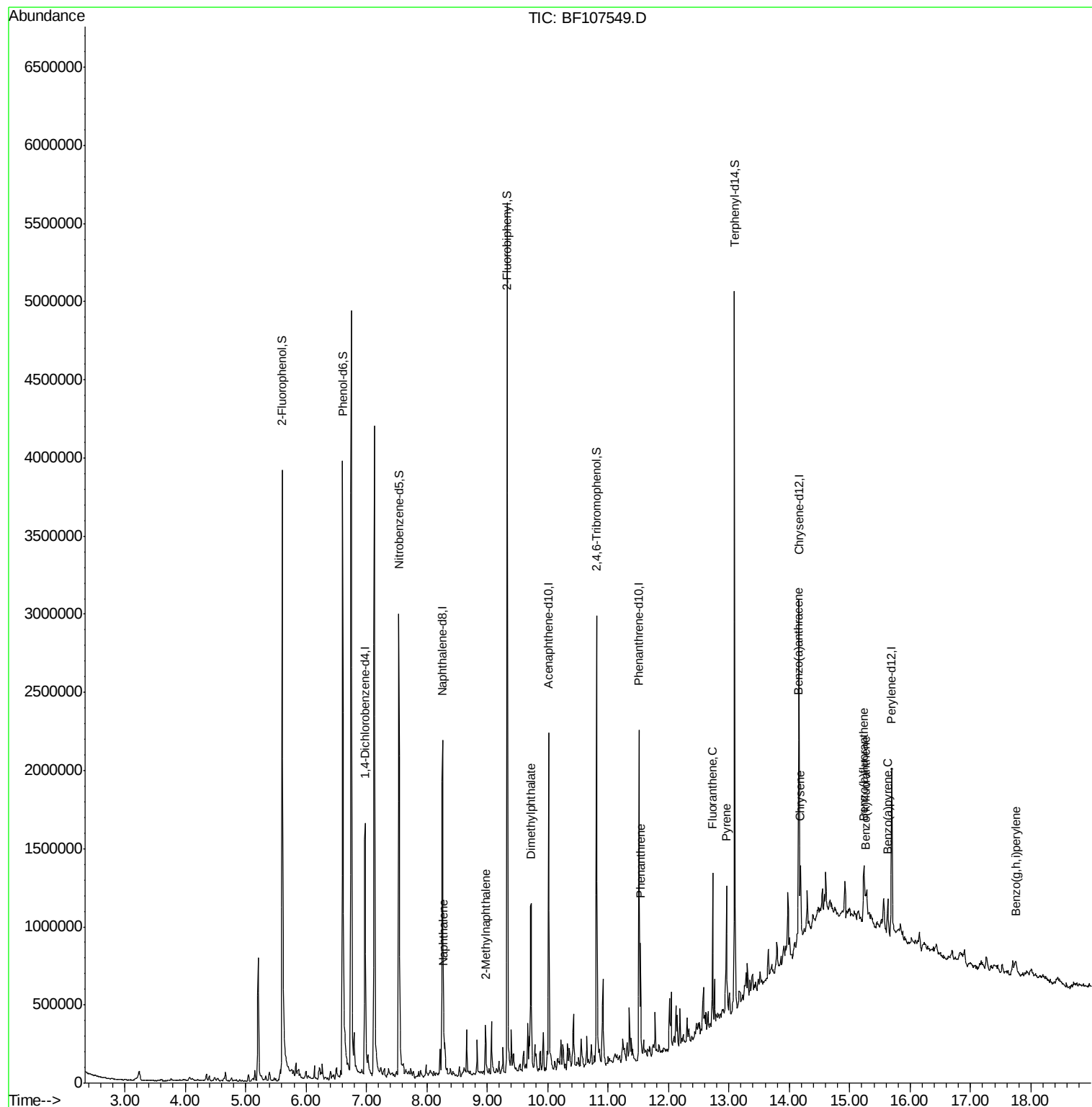
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072018\
Data File : BF107549.D
Acq On : 21 Jul 2018 2:42
Operator : JU/SJ
Sample : J4030-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

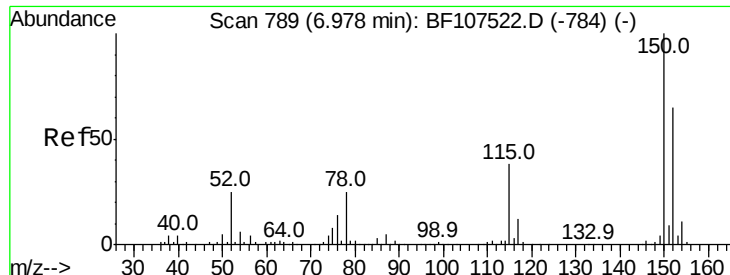
Instrument :
BNA_F
ClientSampleId :
SB1-12-0

Quant Time: Jul 21 05:17:57 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
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#1

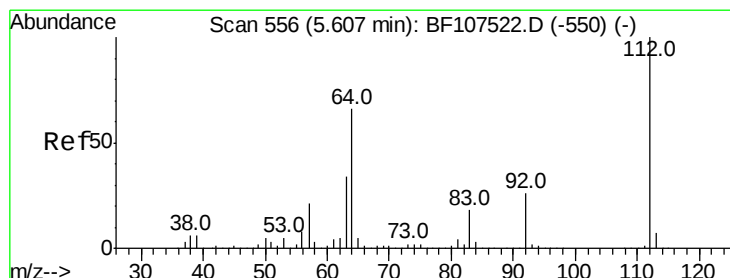
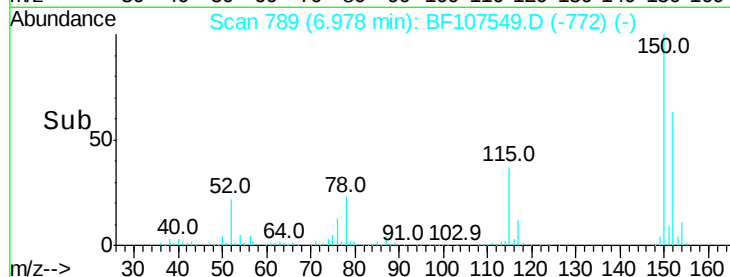
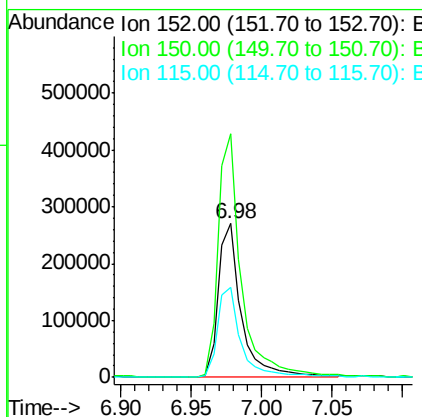
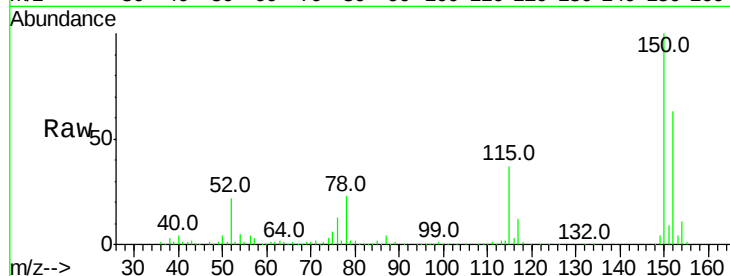
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF107549.D
Acq: 21 Jul 2018 2:42

Instrument :
BNA_F
ClientSampled :
SB1-12-0

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	124.6	186.8
115	58.7	50.1	75.1

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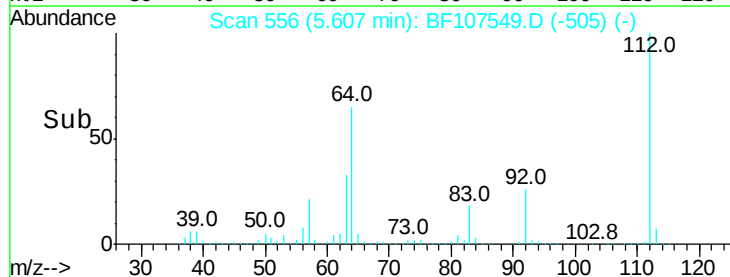
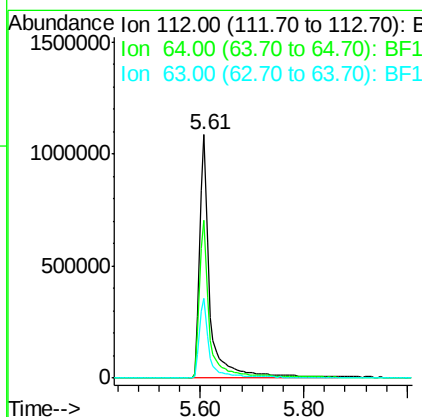
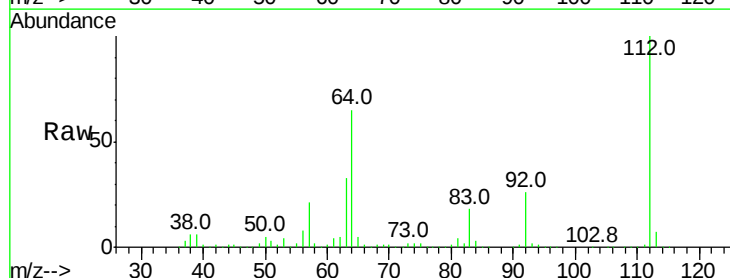
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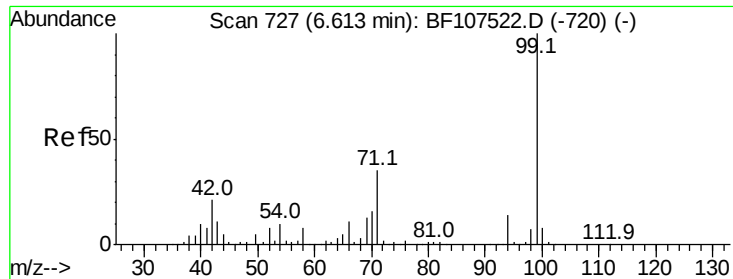


#5

2-Fluorophenol
Concen: 77.840 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF107549.D
Acq: 21 Jul 2018 2:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	47.9	71.9
63	32.7	23.7	35.5





#7

Phenol-d6

Concen: 77.722 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107549.D

Acq: 21 Jul 2018 2:42

Instrument :

BNA_F

ClientSampleId :

SB1-12-0

Tot Ion: 99 Resp: 1803205

Ion Ratio Lower Upper

99 100

42 20.0 14.5 21.7

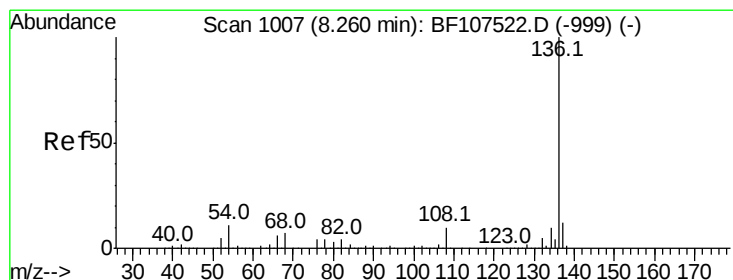
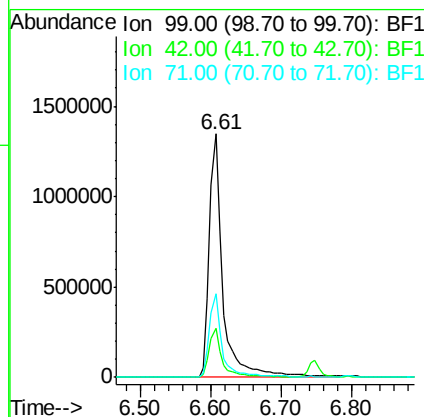
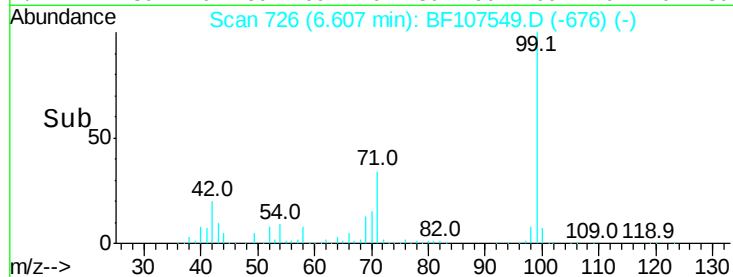
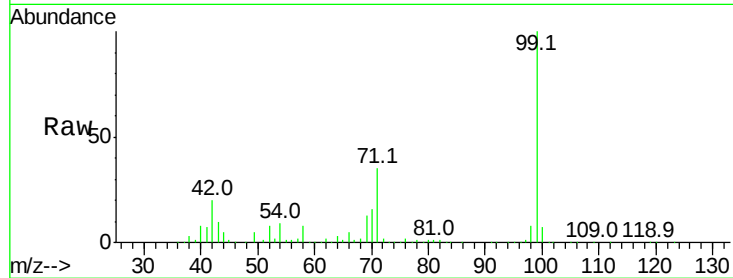
71 34.5 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BF107549.D

Acq: 21 Jul 2018 2:42

Tgt Ion:136 Resp: 1120213

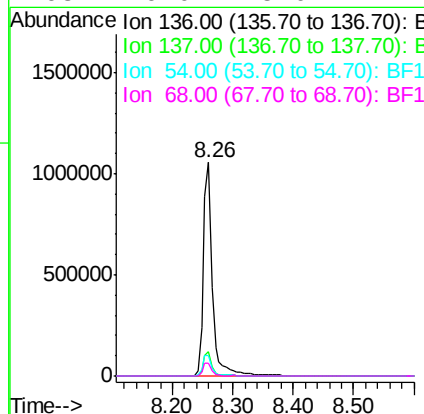
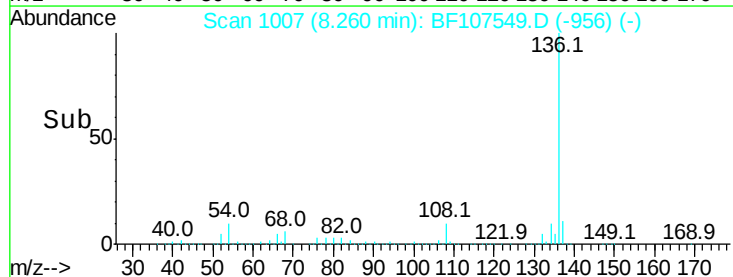
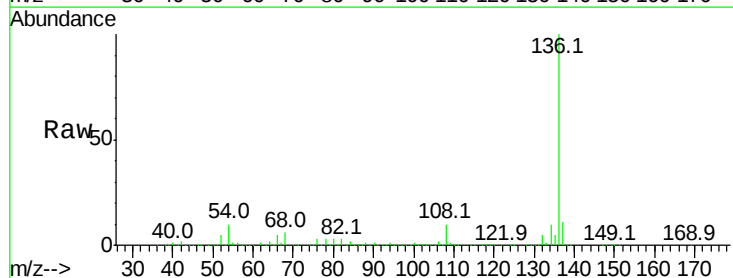
Ion Ratio Lower Upper

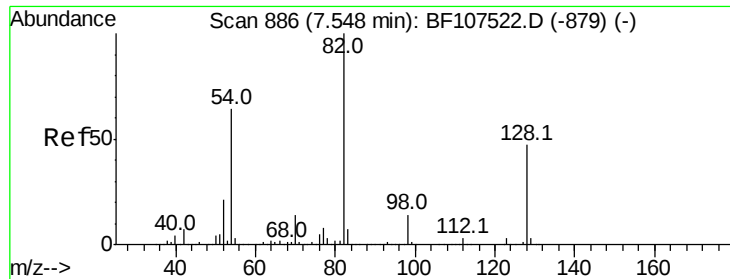
136 100

137 11.4 8.9 13.3

54 9.6 6.6 9.8

68 6.0 5.0 7.4





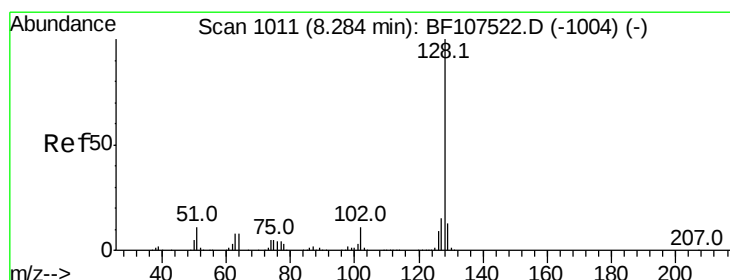
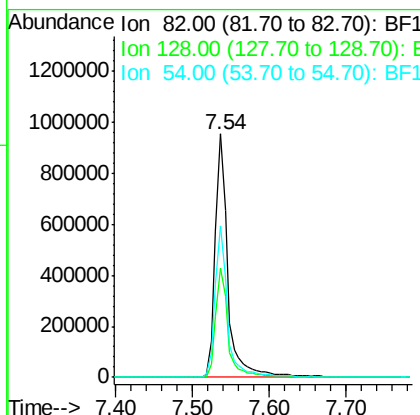
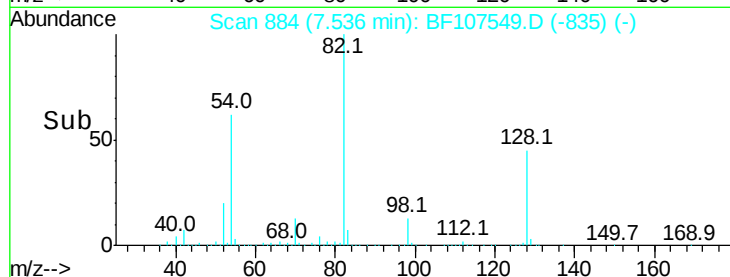
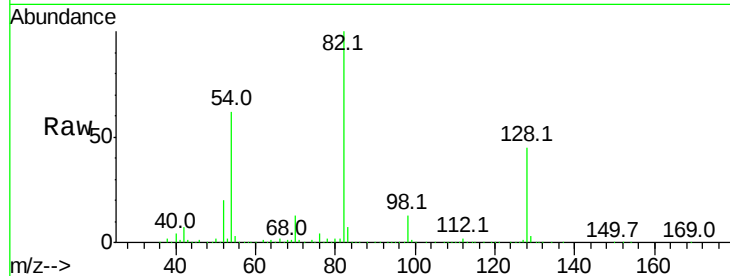
#23
 Nitrobenzene-d5
 Concen: 64.377 ng
 RT: 7.54 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF107549.D
 Acq: 21 Jul 2018 2:42

Instrument :
 BNA_F
 ClientSampleId :
 SB1-12-0

Tot Ion: 82 Resp: 1068585
 Ion Ratio Lower Upper
 82 100
 128 44.6 36.1 54.1
 54 62.3 41.4 62.2#

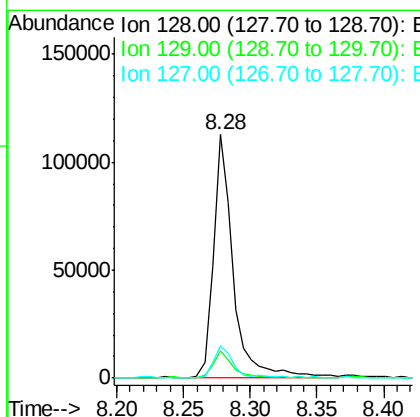
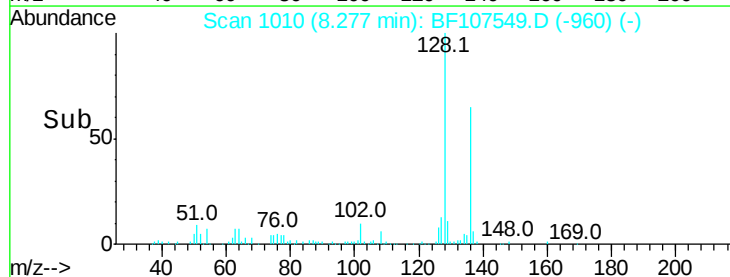
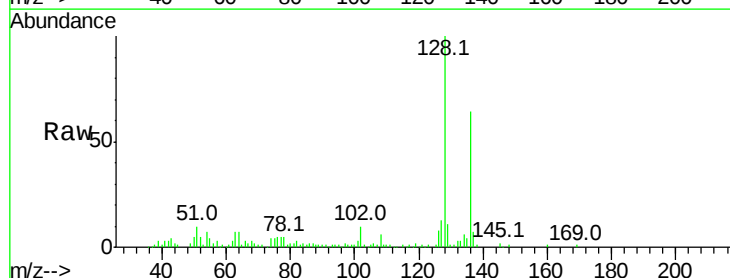
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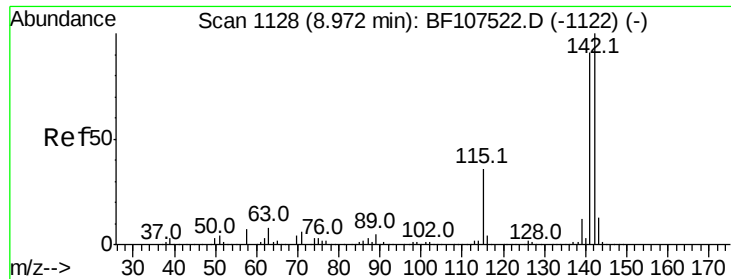
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#31
 Naphthalene
 Concen: 2.413 ng
 RT: 8.28 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: BF107549.D
 Acq: 21 Jul 2018 2:42

Tgt Ion: 128 Resp: 118877
 Ion Ratio Lower Upper
 128 100
 129 11.0 8.8 13.2
 127 13.1 10.9 16.3





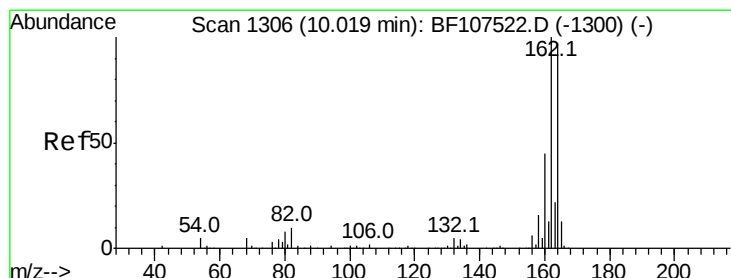
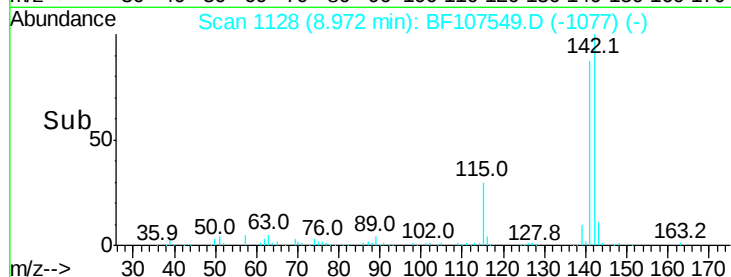
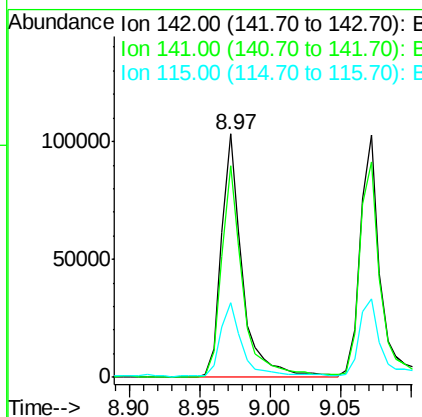
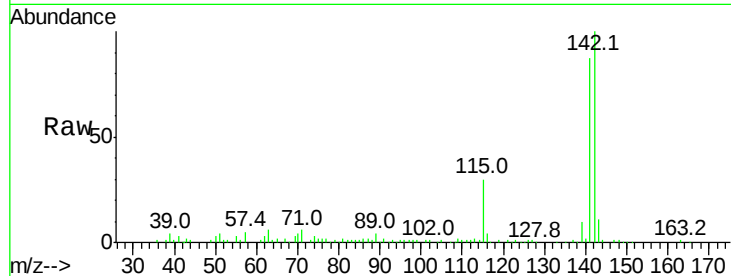
#37
2-Methylnaphthalene
Concen: 3.144 ng
RT: 8.97 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BF107549.D
Acq: 21 Jul 2018 2:42

Instrument :
BNA_F
ClientSampled :
SB1-12-0

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.1	70.8	106.2
115	30.5	26.1	39.1

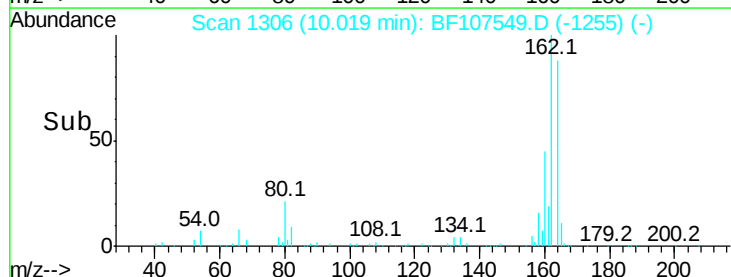
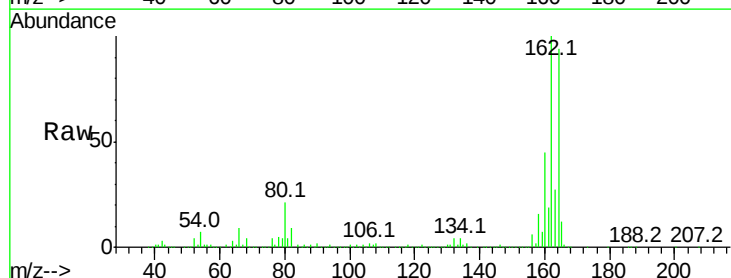
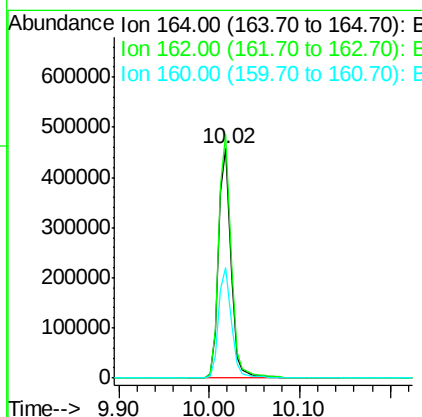
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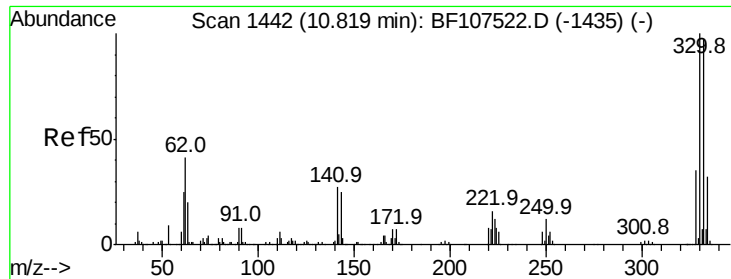
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF107549.D
Acq: 21 Jul 2018 2:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.2	86.1	129.1
160	47.9	38.3	57.5





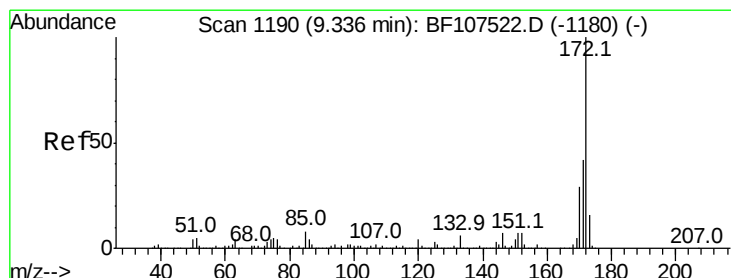
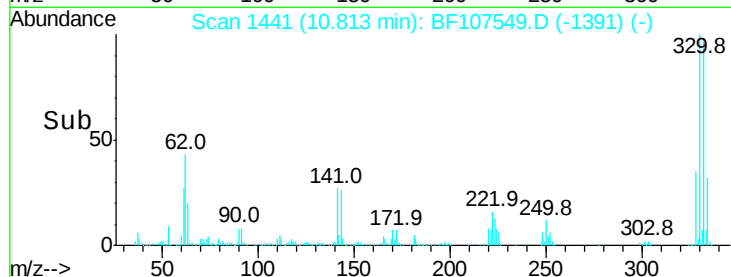
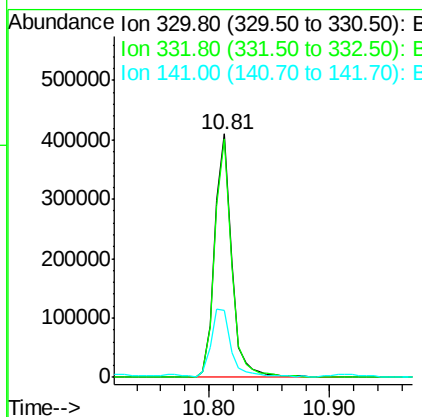
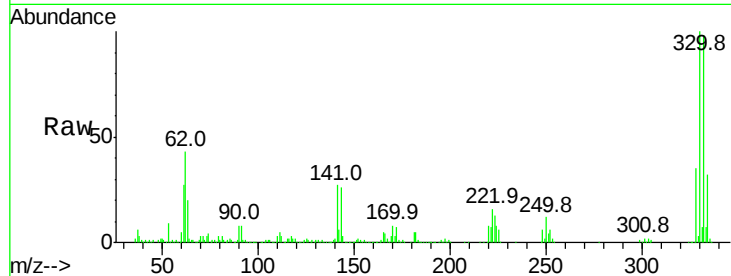
#41
 2,4,6-Tribromophenol
 Concen: 80.354 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF107549.D
 Acq: 21 Jul 2018 2:42

Instrument :
 BNA_F
 ClientSampled :
 SB1-12-0

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.7	77.0	115.6	
141	32.7	29.9	44.9	

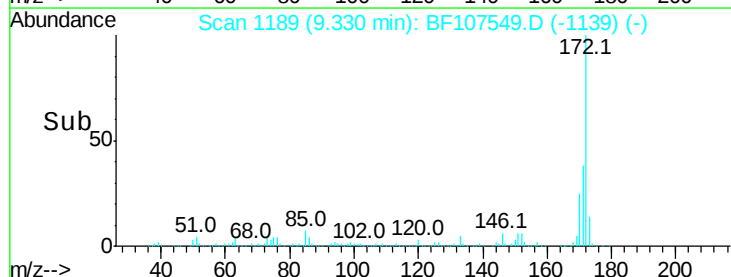
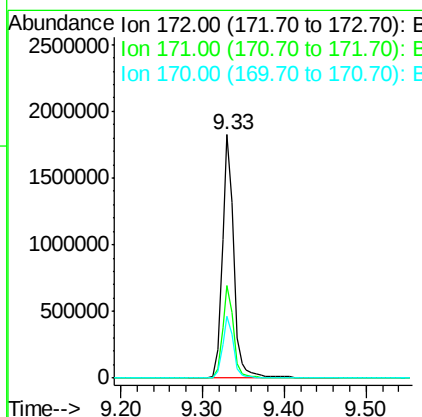
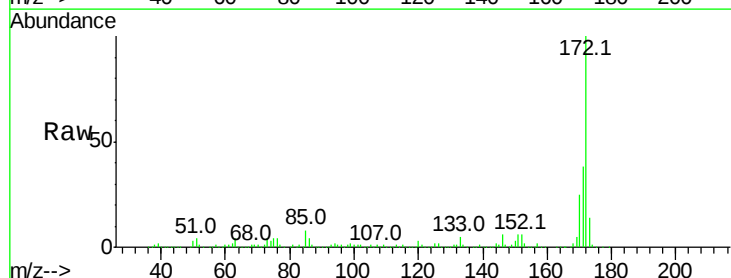
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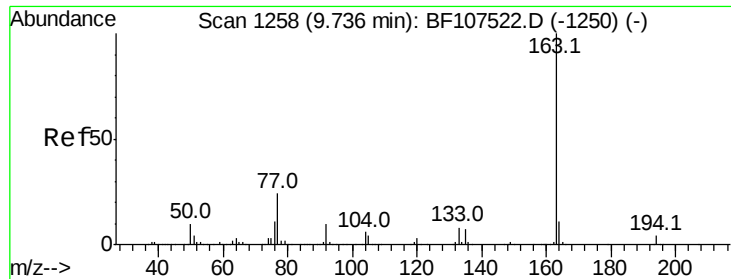
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#44
 2-Fluorobiphenyl
 Concen: 66.903 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF107549.D
 Acq: 21 Jul 2018 2:42

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	38.1	29.7	44.5	
170	25.5	19.6	29.4	





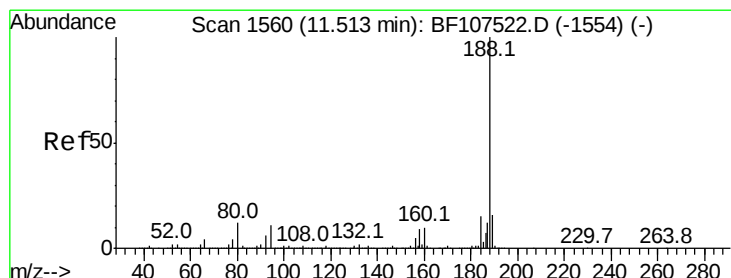
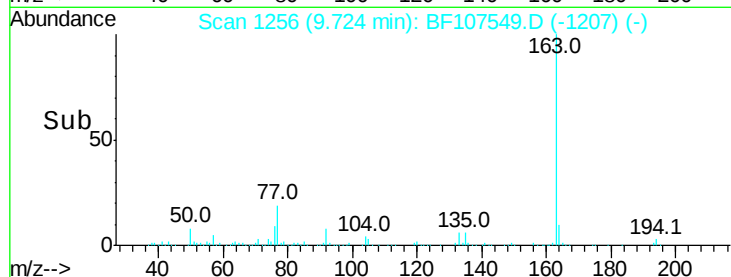
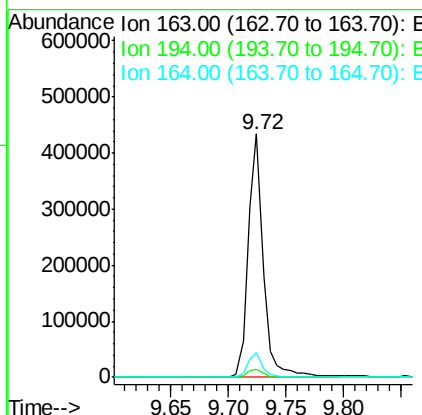
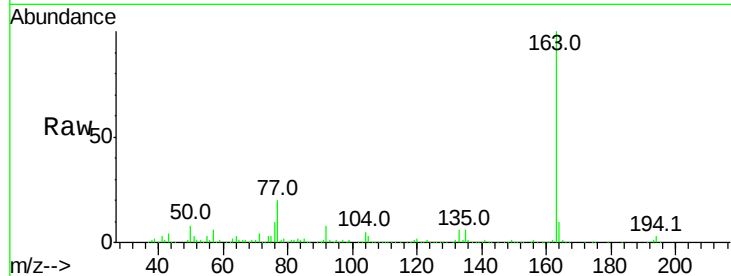
#49
Dimethylphthalate
Concen: 12.017 ng
RT: 9.72 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF107549.D
Acq: 21 Jul 2018 2:42

Instrument :
BNA_F
ClientSampled :
SB1-12-0

Tot Ion	Ratio	Resp	Lower	Upper
163	100	392311		
194	3.5	2.7	4.1	
164	9.9	8.2	12.2	

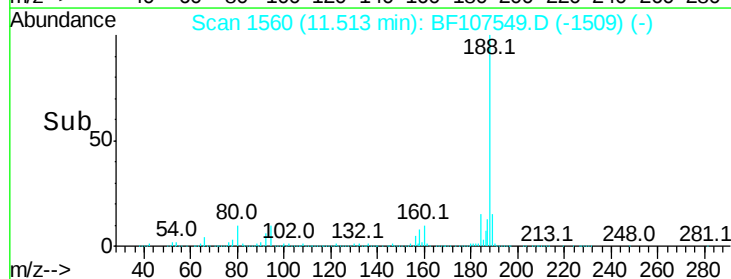
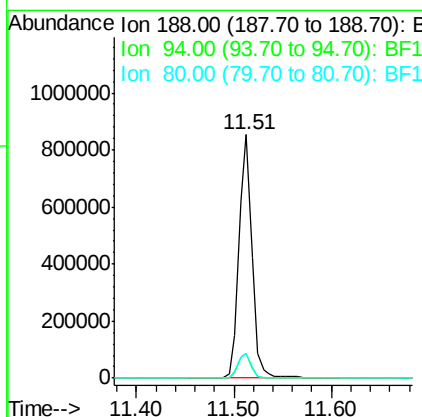
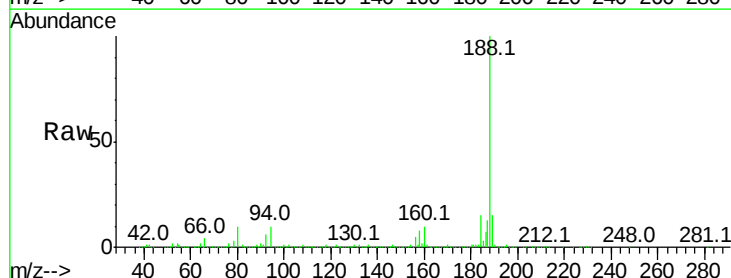
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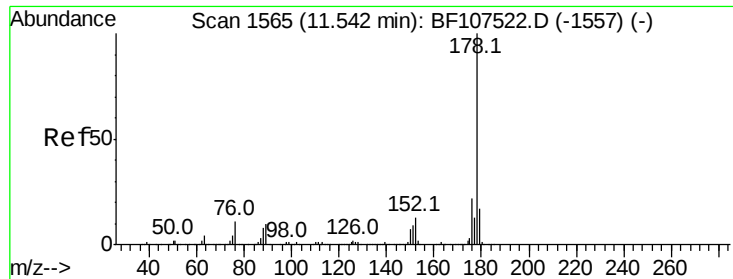
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF107549.D
Acq: 21 Jul 2018 2:42

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	783764		
94	10.0	8.5	12.7	
80	9.9	9.2	13.8	





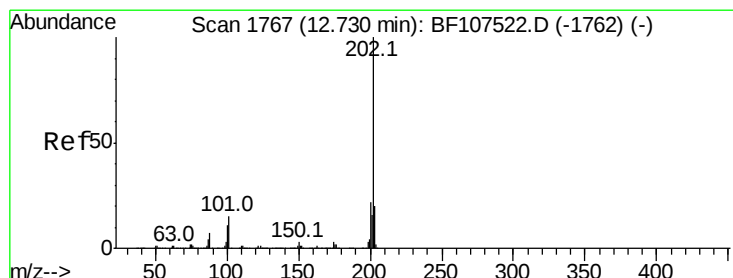
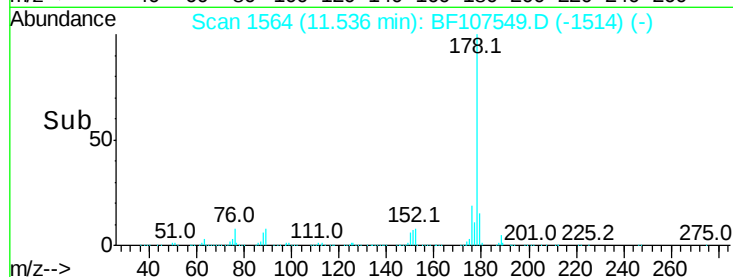
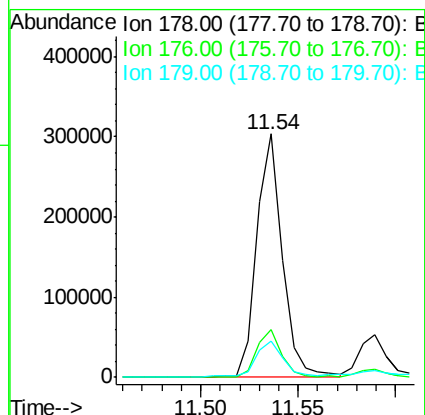
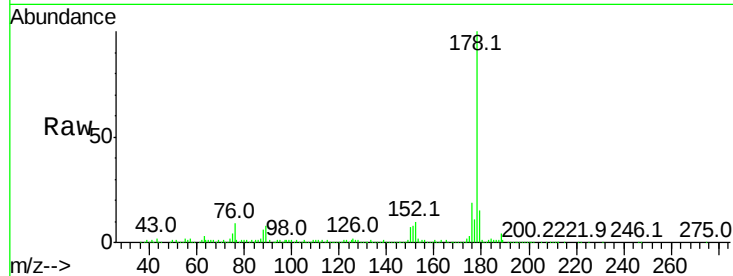
#70
Phenanthrene
Concen: 7.203 ng
RT: 11.54 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF107549.D
Acq: 21 Jul 2018 2:42

Instrument :
BNA_F
ClientSampleId :
SB1-12-0

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	14.9	13.0	19.6

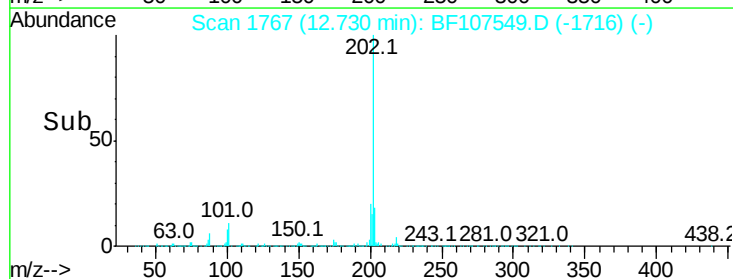
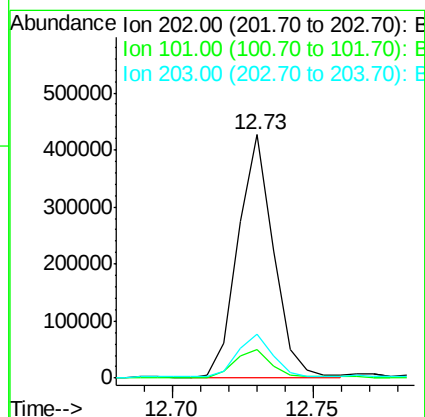
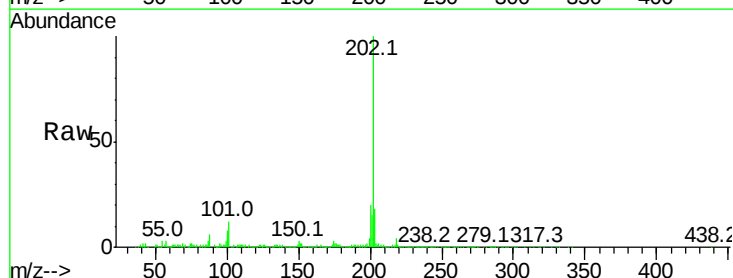
Manual Integrations
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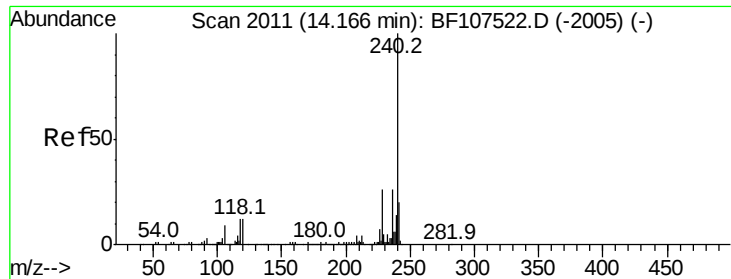
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#74
Fluoranthene
Concen: 9.112 ng
RT: 12.73 min Scan# 1767
Delta R.T. 0.00 min
Lab File: BF107549.D
Acq: 21 Jul 2018 2:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	34.1
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF107549.D

Acq: 21 Jul 2018 2:42

Instrument :

BNA_F

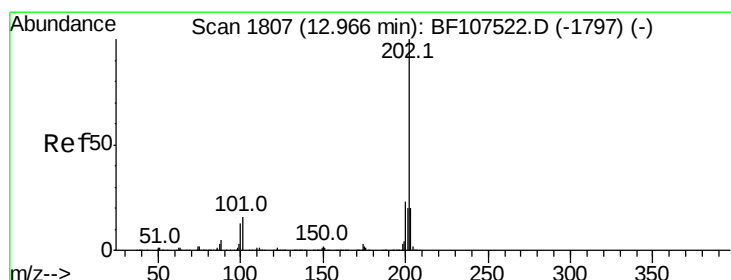
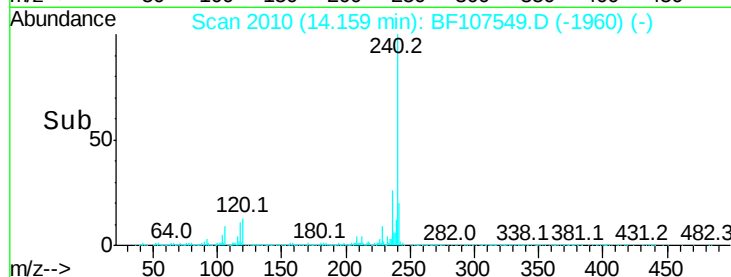
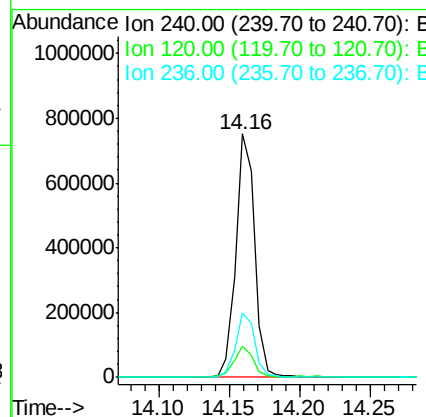
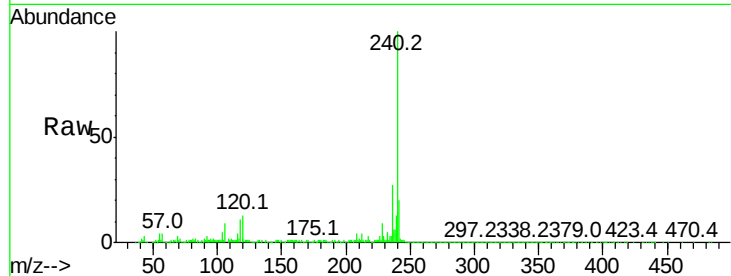
ClientSampleId :

SB1-12-0

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	13.0	9.5	14.3	
236	26.5	20.7	31.1	

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#77

Pyrene

Concen: 7.174 ng

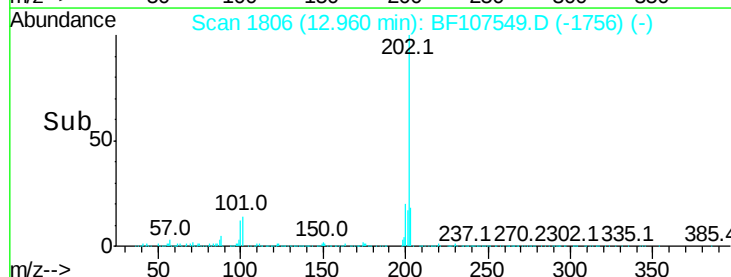
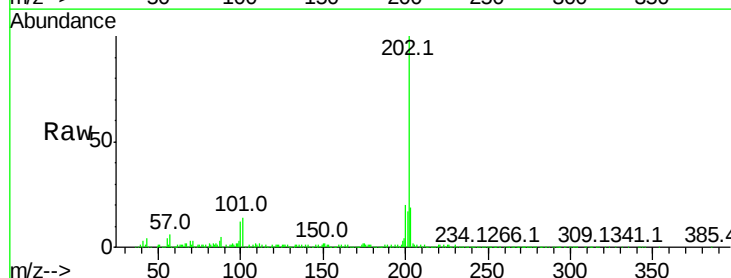
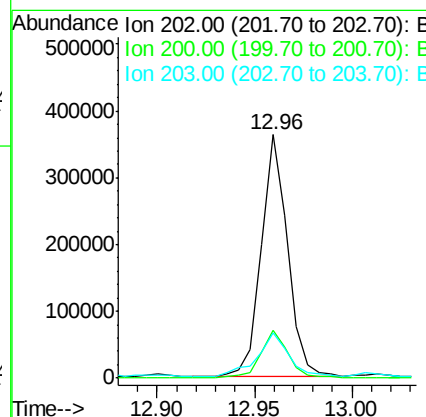
RT: 12.96 min Scan# 1806

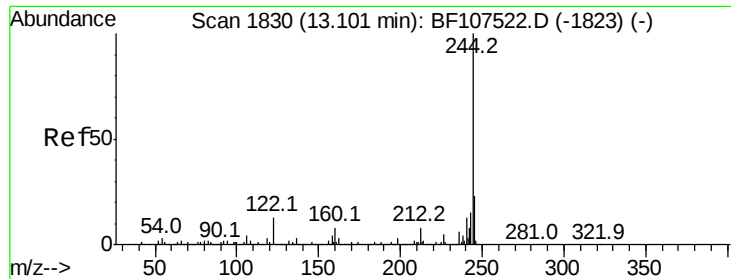
Delta R.T. -0.01 min

Lab File: BF107549.D

Acq: 21 Jul 2018 2:42

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	19.8	17.4	26.2	
203	18.7	14.3	21.5	





#78
 Terphenyl-d14
 Concen: 57.509 ng
 RT: 13.09 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF107549.D
 Acq: 21 Jul 2018 2:42

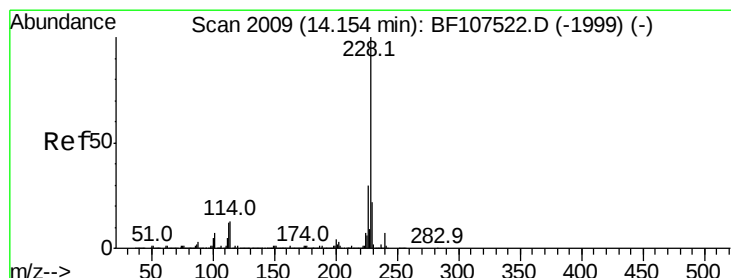
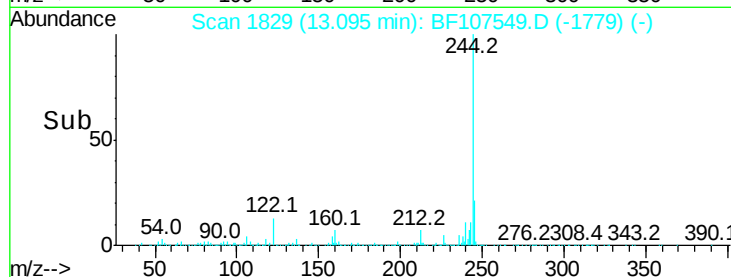
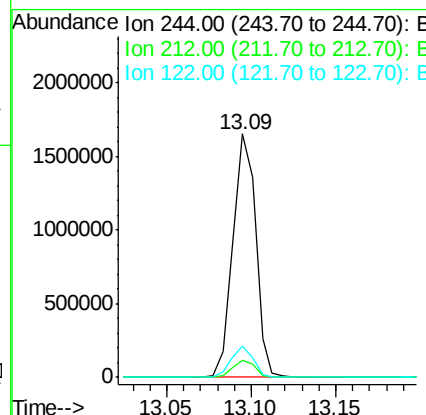
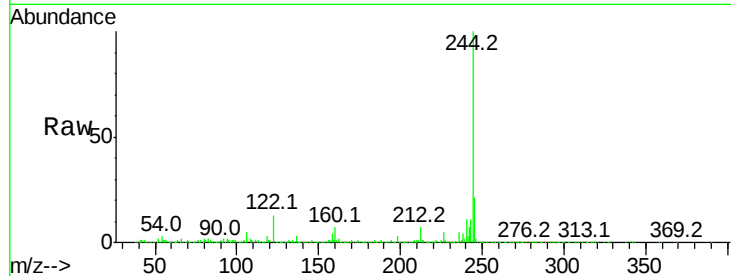
Instrument :
 BNA_F
 ClientSampleId :
 SB1-12-0

Tot Ion:244 Resp: 1546643

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	12.8	11.0	16.4

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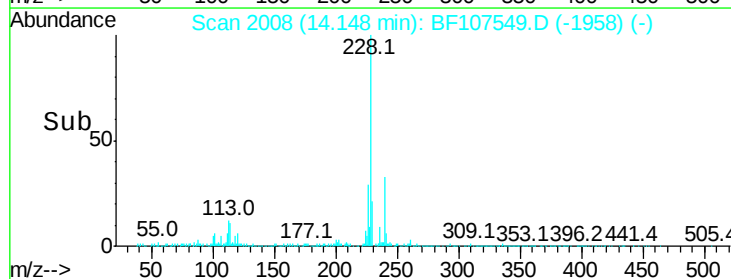
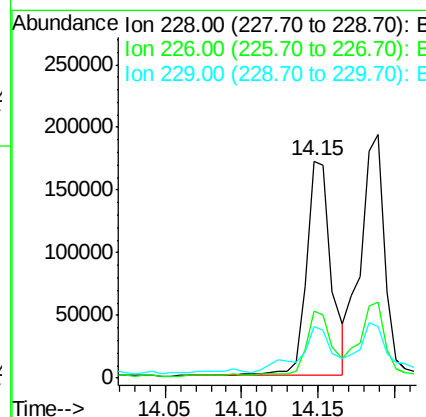
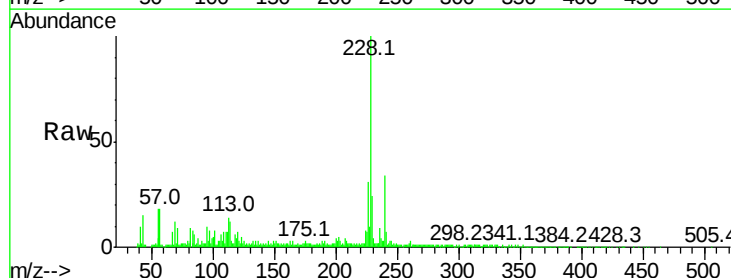
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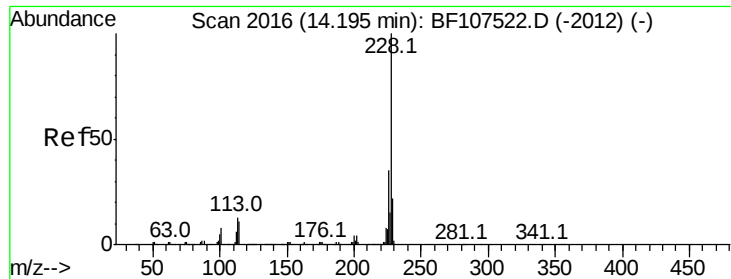


#80
 Benzo(a)anthracene
 Concen: 4.721 ng m
 RT: 14.15 min Scan# 2008
 Delta R.T. -0.01 min
 Lab File: BF107549.D
 Acq: 21 Jul 2018 2:42

Tgt Ion:228 Resp: 190502

Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.6	33.8
229	23.9	15.8	23.6#





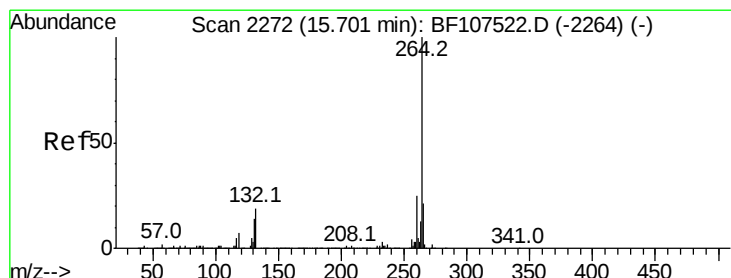
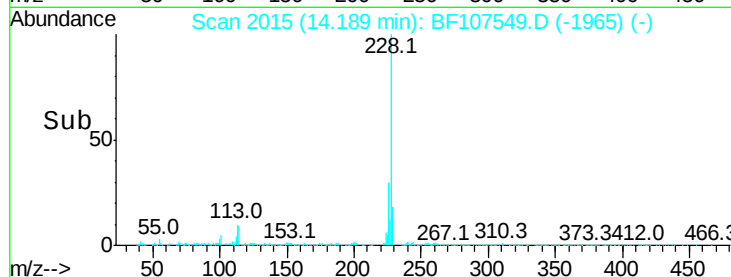
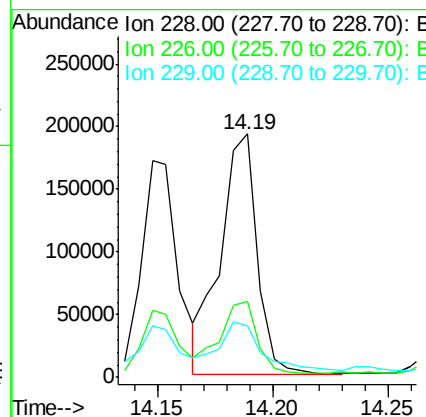
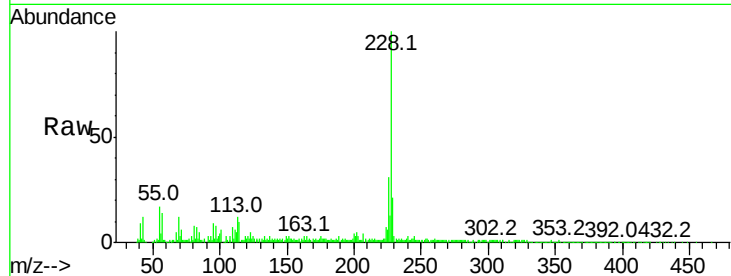
#82
Chrysene
Concen: 5.481 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF107549.D
Acq: 21 Jul 2018 2:42

Instrument :
BNA_F
ClientSampled :
SB1-12-0

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	21.2	16.2	24.4

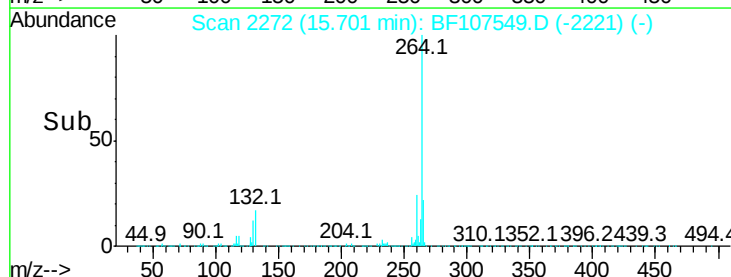
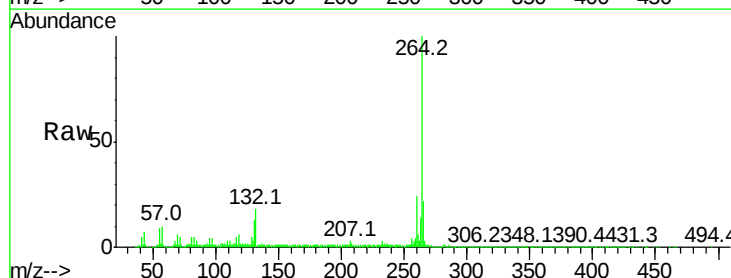
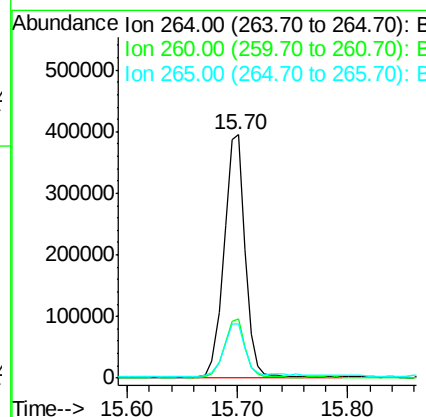
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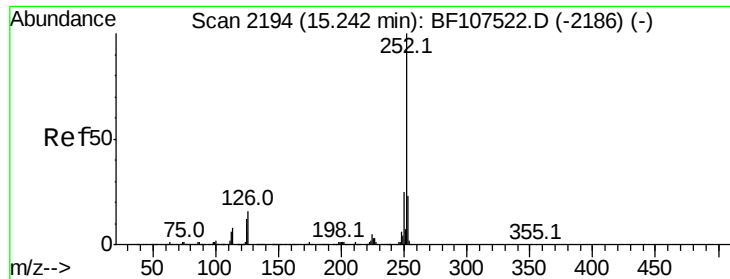
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.00 min
Lab File: BF107549.D
Acq: 21 Jul 2018 2:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.5	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 7.259 ng m

RT: 15.24 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BF107549.D

Acq: 21 Jul 2018 2:42

Instrument :

BNA_F

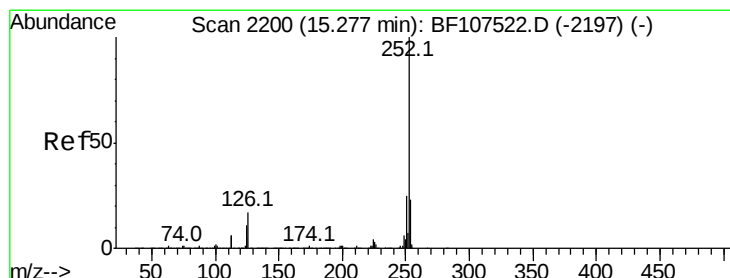
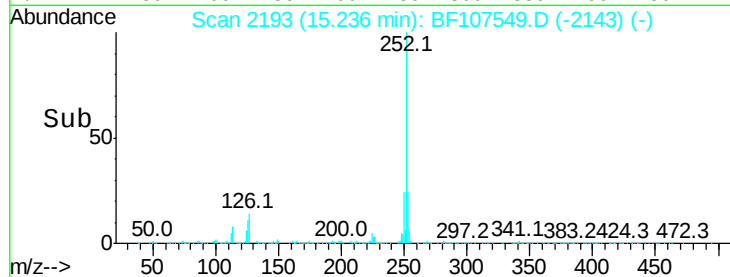
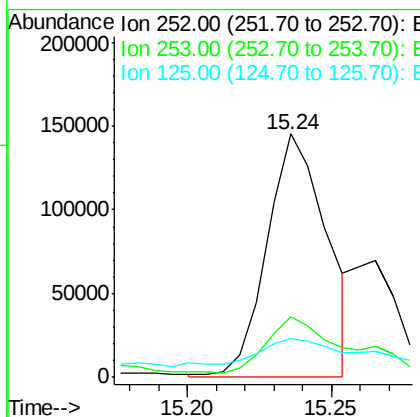
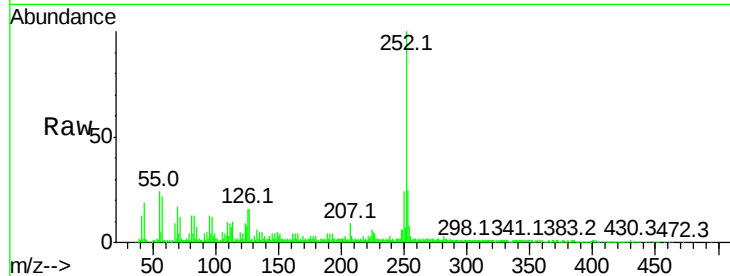
ClientSampleId :

SB1-12-0

Tot Ion:	252	Resp:	208772
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.0	25.6
125	16.1	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 2.740 ng m

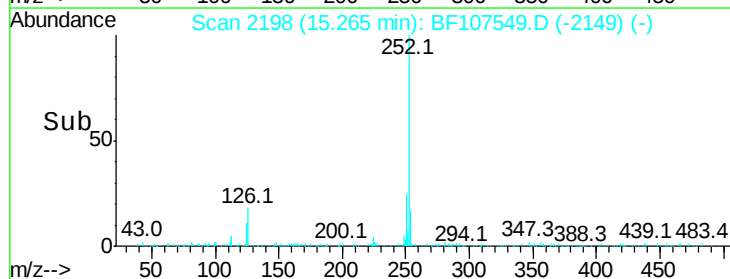
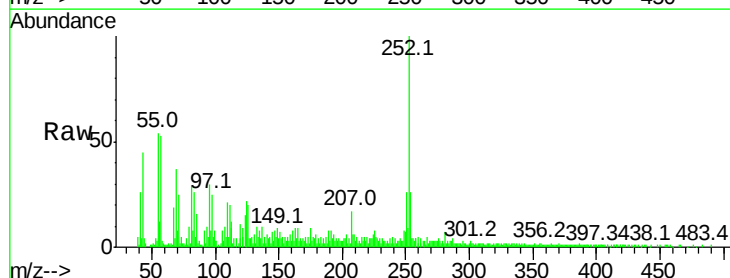
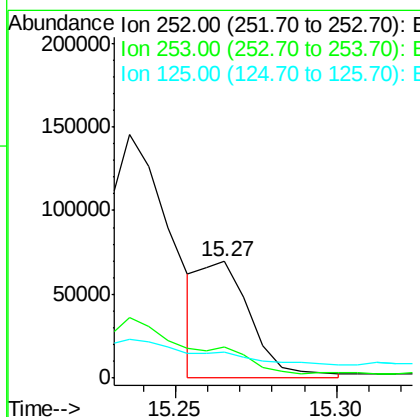
RT: 15.27 min Scan# 2198

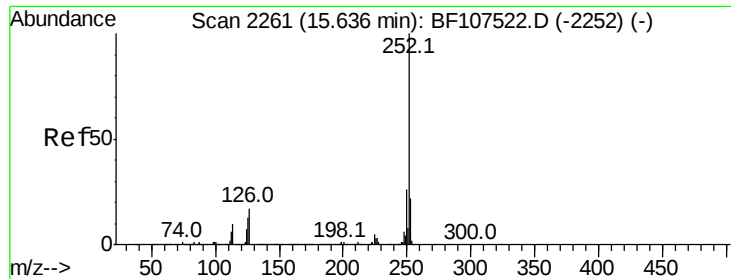
Delta R.T. -0.01 min

Lab File: BF107549.D

Acq: 21 Jul 2018 2:42

Tgt Ion:	252	Resp:	77198
Ion Ratio	Lower	Upper	
252	100		
253	26.3	17.9	26.9
125	22.5	10.2	15.2#





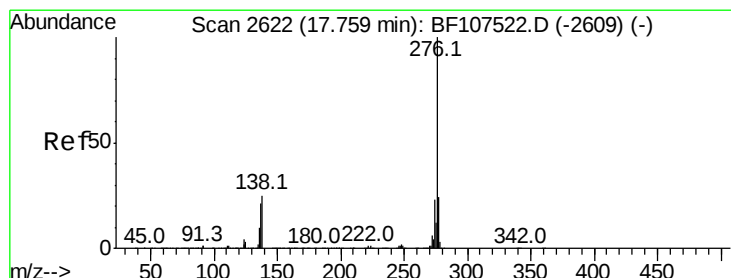
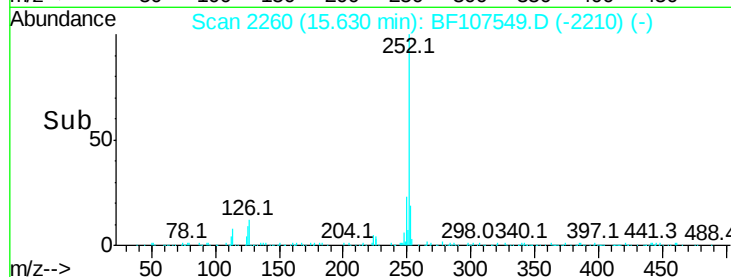
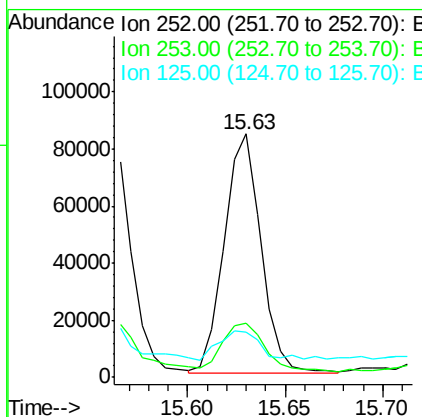
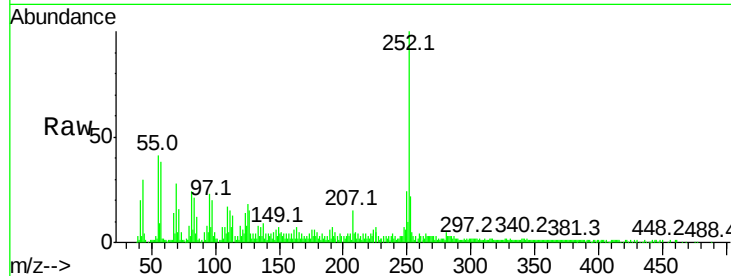
#89
Benzo(a)pyrene
Concen: 4.147 ng
RT: 15.63 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF107549.D
Acq: 21 Jul 2018 2:42

Instrument :
BNA_F
ClientSampleId :
SB1-12-0

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	18.4	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.974 ng
RT: 17.75 min Scan# 2620
Delta R.T. -0.01 min
Lab File: BF107549.D
Acq: 21 Jul 2018 2:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	17.9	26.9
138	23.2	21.8	32.8

