

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
 Data File : BF107621.D
 Acq On : 24 Jul 2018 16:17
 Operator : JU/SJ
 Sample : J4096-06 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-8

Manual Integrations
 APPROVED

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 7/25/2018 12:58:17 PM

Quant Time: Jul 25 03:15:39 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	248000	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	987525	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	399137	20.00	ng	-0.01
63) Phenanthrene-d10	11.51	188	682737	20.00	ng	0.00
75) Chrysene-d12	14.16	240	452782	20.00	ng	0.00
86) Perylene-d12	15.71	264	424018	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	605930	39.28	ng	-0.01
7) Phenol-d6	6.60	99	770642	41.61	ng	-0.01
23) Nitrobenzene-d5	7.53	82	453439	30.99	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	169192	37.28	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	830260	28.09	ng	-0.02
78) Terphenyl-d14	13.09	244	590890	33.41	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.71	163	68925	2.291	ng	Qvalue # 95
70) Phenanthrene	11.53	178	905680	27.222	ng	99
71) Anthracene	11.58	178	89267m	2.665	ng	
72) Carbazole	11.74	167	91286	2.621	ng	# 93
74) Fluoranthene	12.73	202	1974881	55.317	ng	96
77) Pyrene	12.96	202	1497078	48.338	ng	98
80) Benzo(a)anthracene	14.15	228	525494	19.805	ng	97
82) Chrysene	14.19	228	859937	33.738	ng	97
83) Bis(2-ethylhexyl)phthalate	14.11	149	720217	38.323	ng	100
85) Indeno(1,2,3-cd)pyrene	17.29	276	376214	17.416	ng	# 87
87) Benzo(b)fluoranthene	15.25	252	996833m	42.956	ng	
88) Benzo(k)fluoranthene	15.27	252	327249m	14.394	ng	
89) Benzo(a)pyrene	15.64	252	485016	22.849	ng	# 89
90) Dibenzo(a,h)anthracene	17.30	278	77388	4.217	ng	# 69
91) Benzo(a,h,i)perylene	17.77	276	369955	20.440	ng	96

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

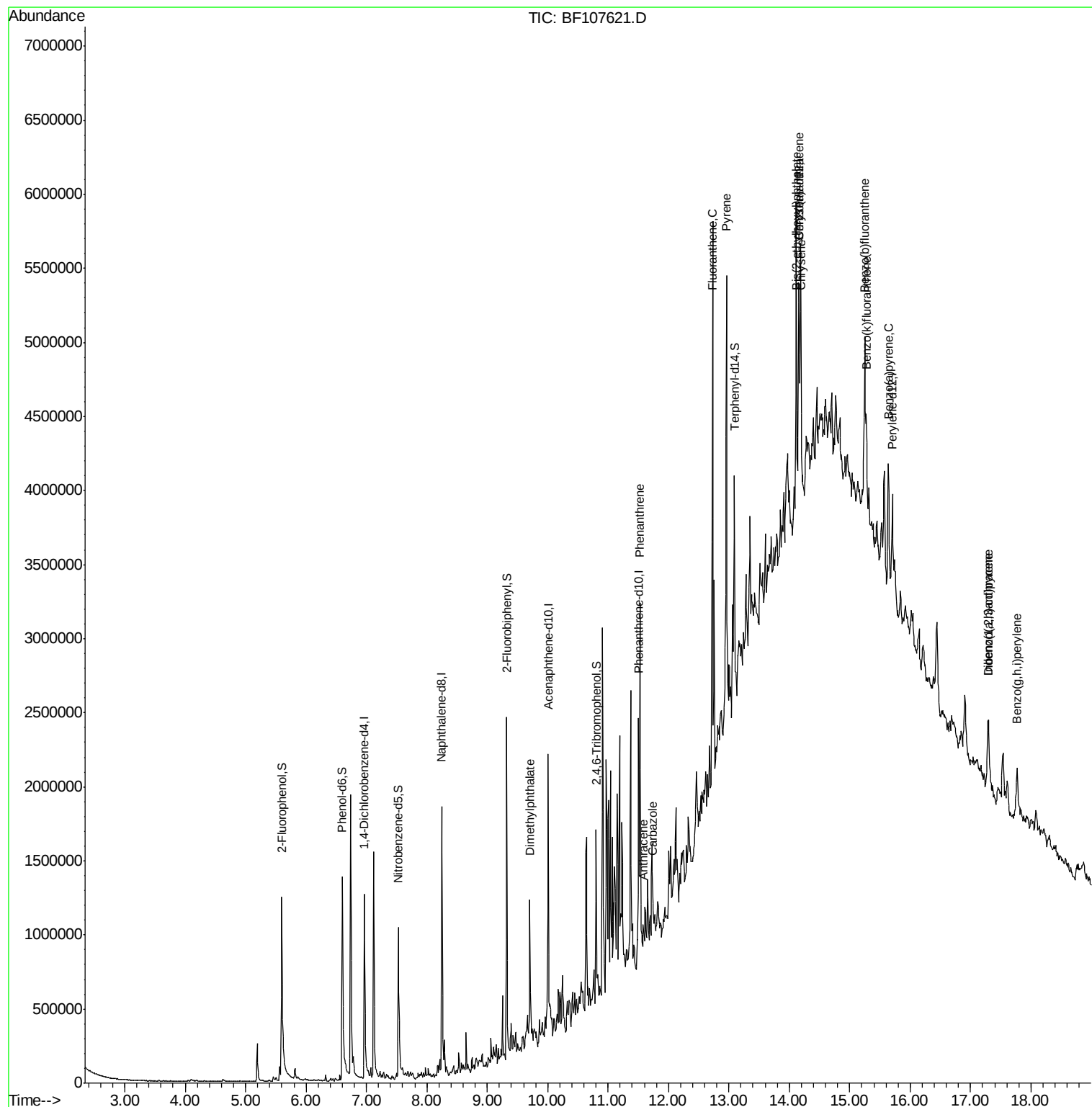
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
Data File : BF107621.D
Acq On : 24 Jul 2018 16:17
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ALS Vial : 10 Sample Multiplier: 1

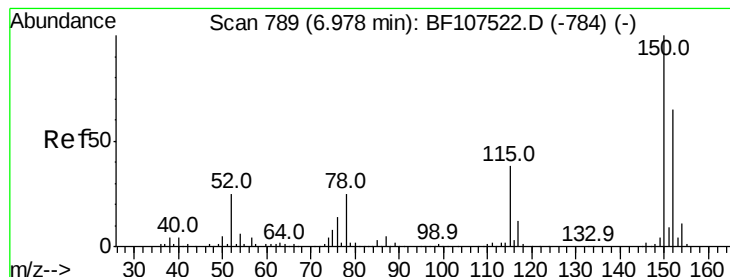
Instrument :
BNA_F
ClientSampled :
DW-8

Quant Time: Jul 25 03:15:39 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

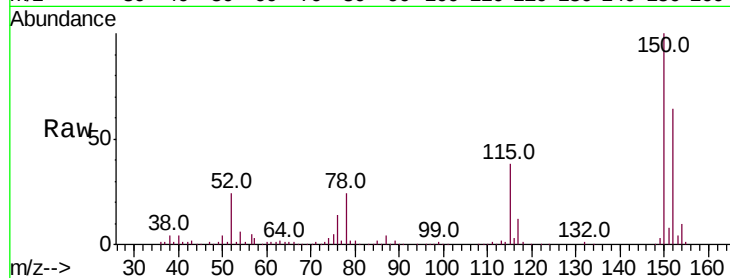
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107621.D
Acq: 24 Jul 2018 16:17

Instrument :
BNA_F
ClientSampleID :
DW-8

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.6	186.8
115	59.2	50.1	75.1

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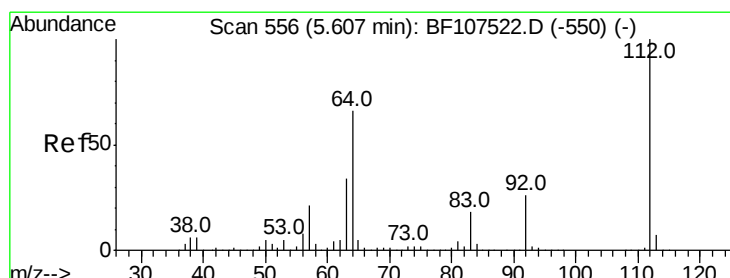
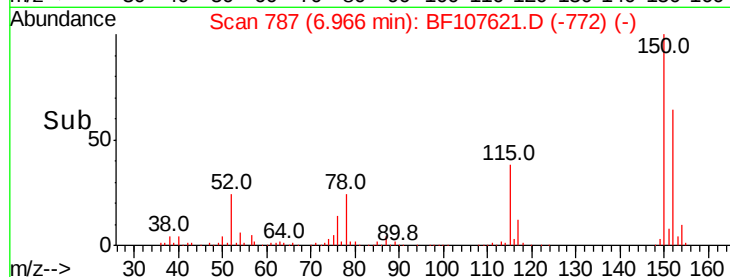
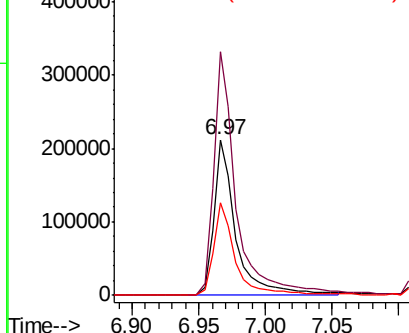


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

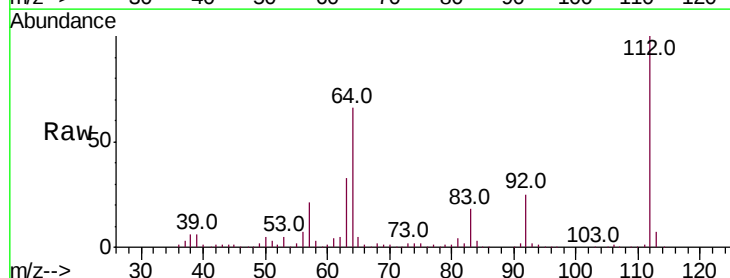
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 39.283 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107621.D
Acq: 24 Jul 2018 16:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.1	47.9	71.9
63	33.5	23.7	35.5

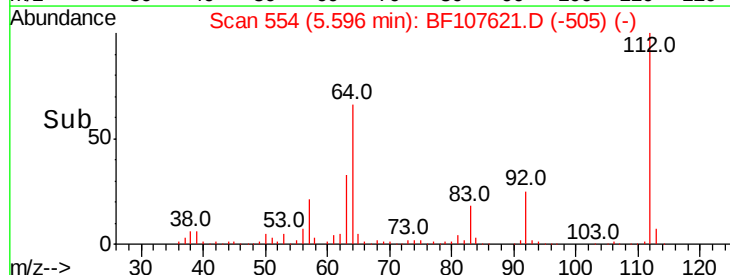
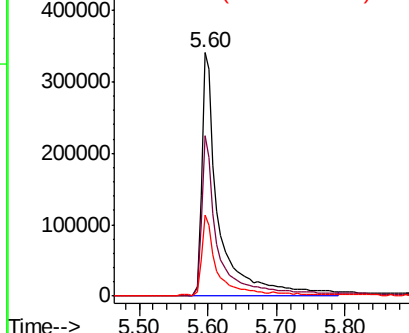


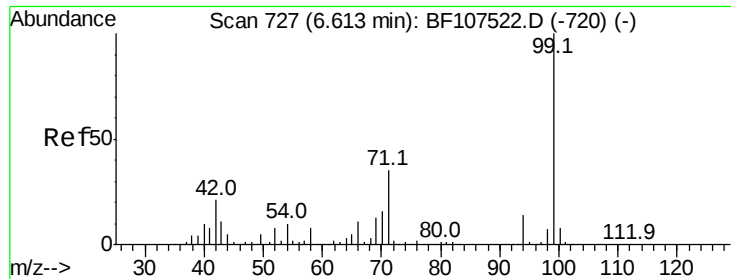
Abundance

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: 41.609 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107621.D

Acq: 24 Jul 2018 16:17

Instrument :

BNA_F

ClientSampleId :

DW-8

Tot Ion: 99 Resp: 770642

Ion Ratio Lower Upper

99 100

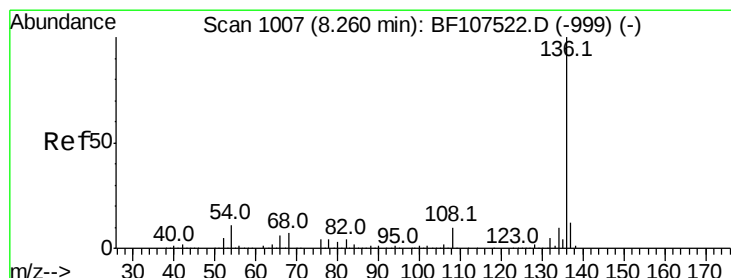
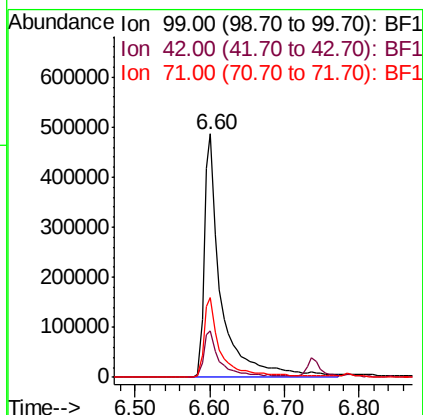
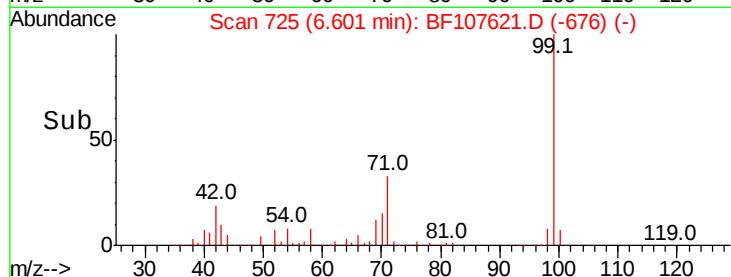
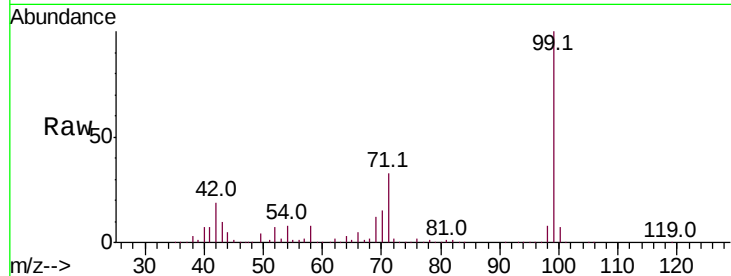
42 19.3 14.5 21.7

71 33.0 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: BF107621.D

Acq: 24 Jul 2018 16:17

Tgt Ion: 136 Resp: 987525

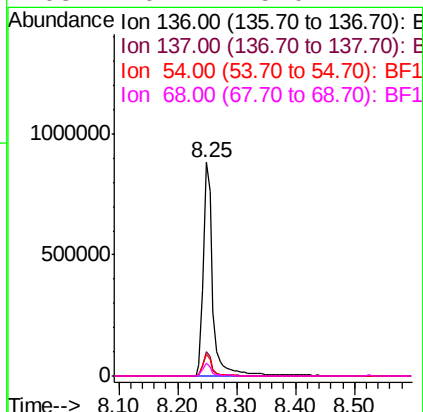
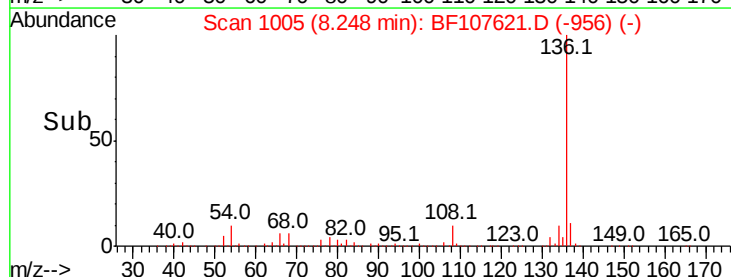
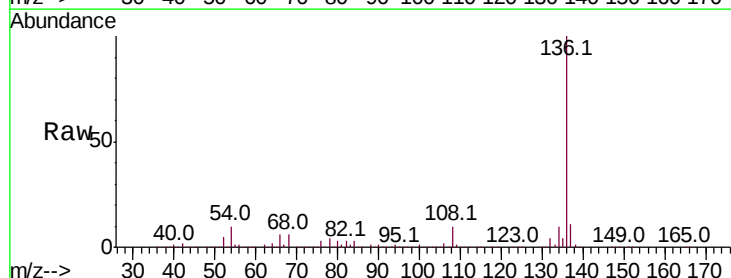
Ion Ratio Lower Upper

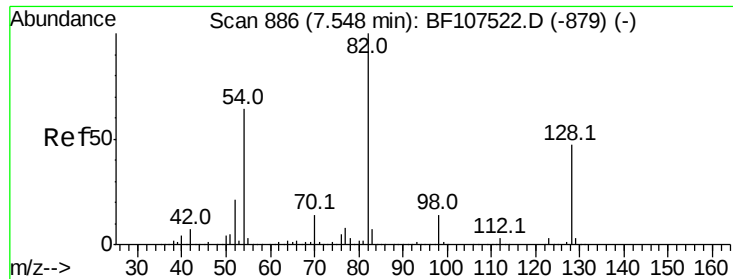
136 100

137 11.2 8.9 13.3

54 10.5 6.6 9.8#

68 6.1 5.0 7.4





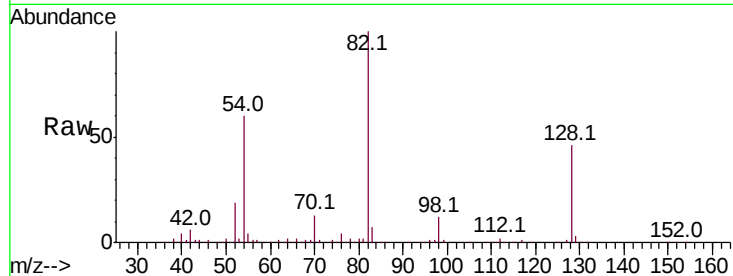
#23
Nitrobenzene-d5
Concen: 30.988 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107621.D
Acq: 24 Jul 2018 16:17

Instrument :
BNA_F
ClientSampled :
DW-8

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.1	54.1
54	59.9	41.4	62.2

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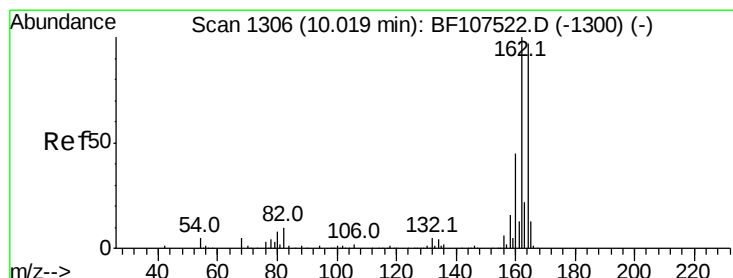
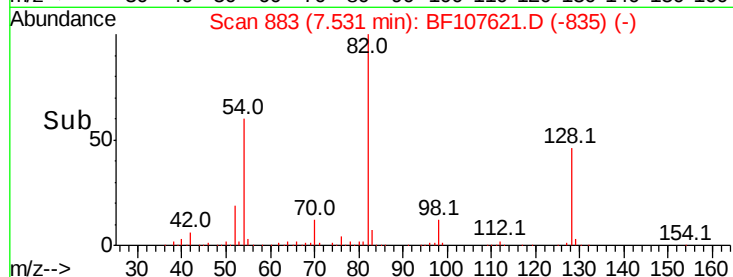
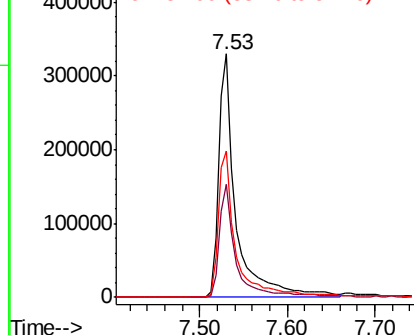


Abundance

Ion 82.00 (81.70 to 82.70): BF1

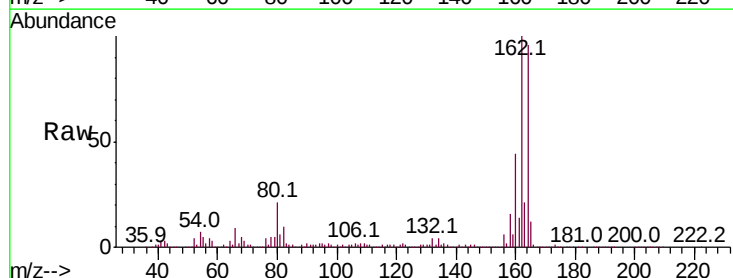
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF107621.D
Acq: 24 Jul 2018 16:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	86.1	129.1
160	46.2	38.3	57.5

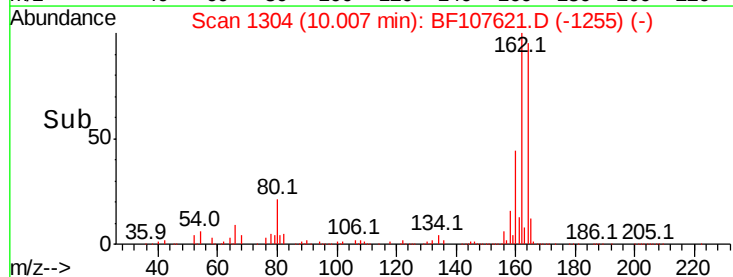
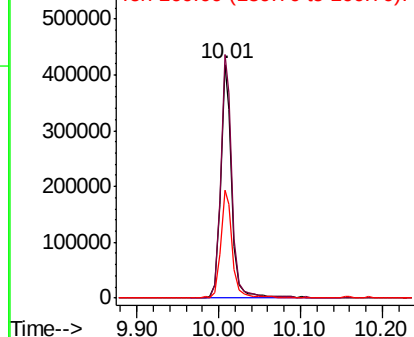


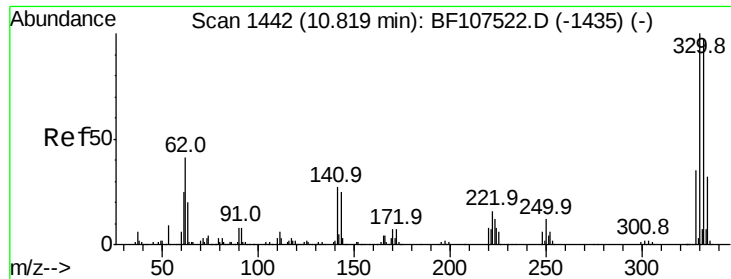
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





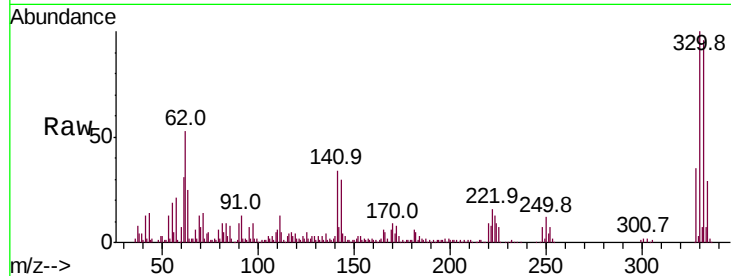
#41
 2,4,6-Tribromophenol
 Concen: 37.277 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107621.D
 Acq: 24 Jul 2018 16:17

Instrument :
 BNA_F
 ClientSampled :
 DW-8

Tot Ion	Ratio	Resp	Lower	Upper
330	100	169192		
332	95.2	77.0	115.6	
141	29.0	29.9	44.9#	

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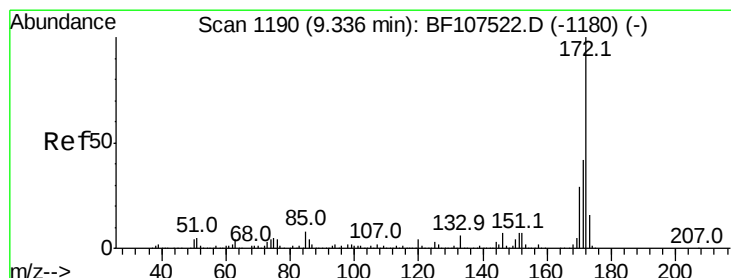
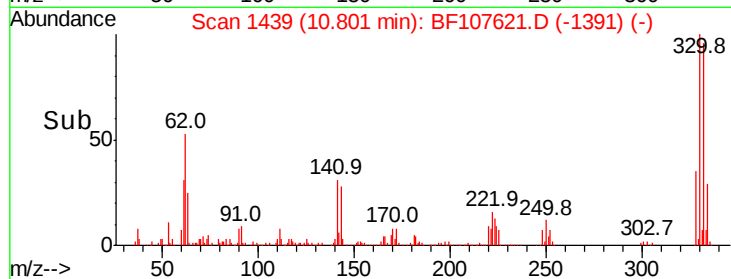
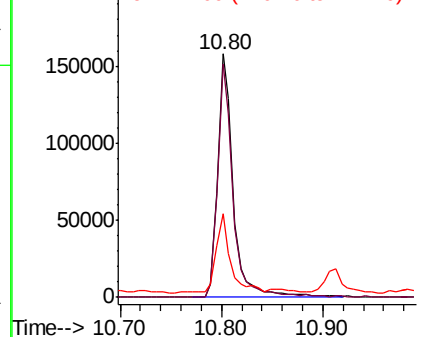


Abundance

Ion 329.80 (329.50 to 330.50): E

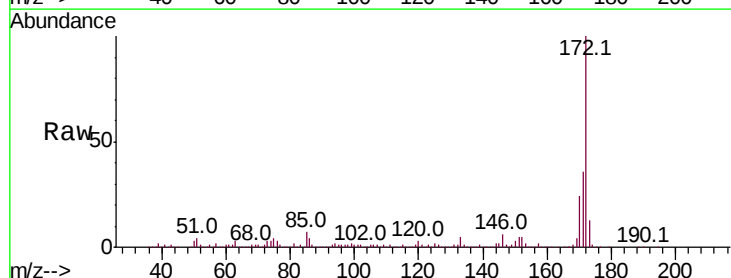
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 28.091 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: BF107621.D
 Acq: 24 Jul 2018 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	830260		
171	36.2	29.7	44.5	
170	23.5	19.6	29.4	

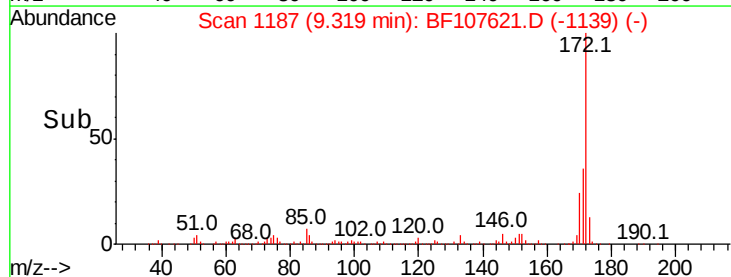
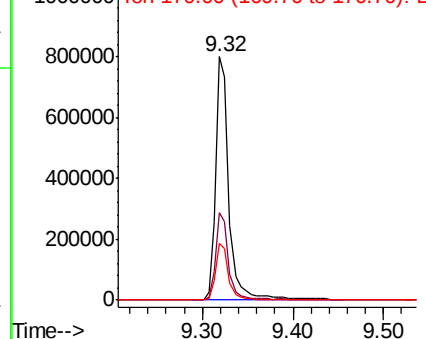


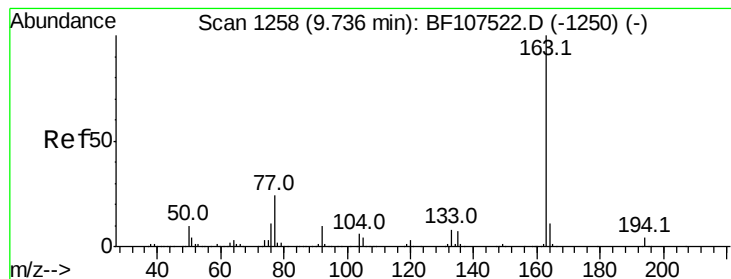
Abundance

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: 2.291 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF107621.D

Acq: 24 Jul 2018 16:17

Instrument :

BNA_F

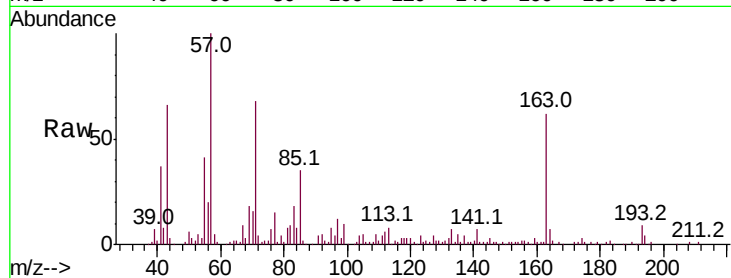
ClientSampled :

DW-8

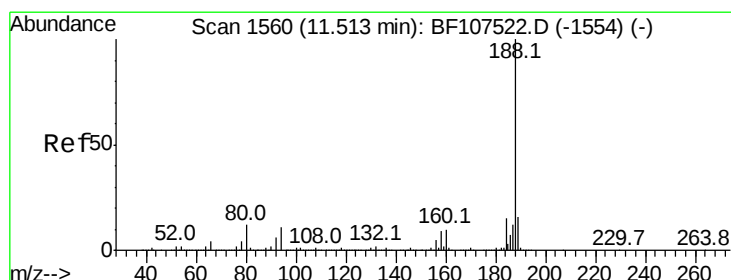
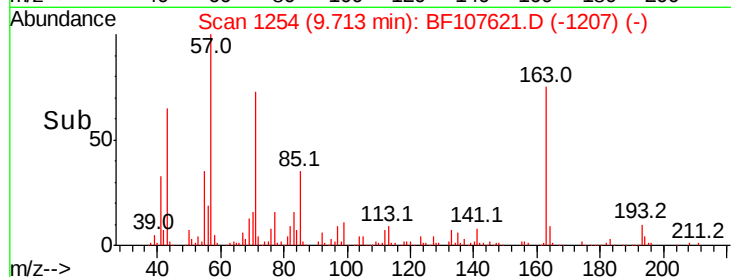
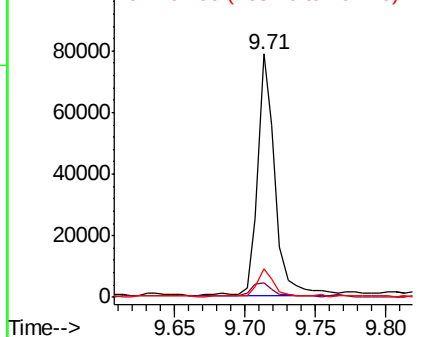
Tot Ion:	163	Resp:	68925
Ion Ratio	Lower	Upper	
163	100		
194	6.1	2.7	4.1#
164	11.6	8.2	12.2

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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

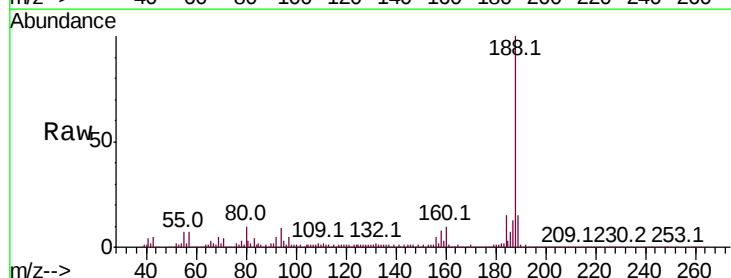
RT: 11.51 min Scan# 1559

Delta R.T. -0.01 min

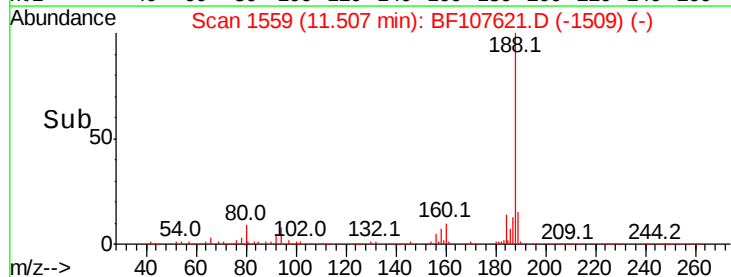
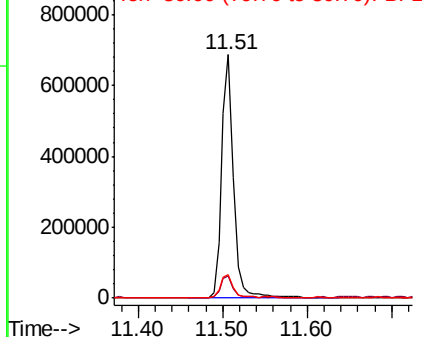
Lab File: BF107621.D

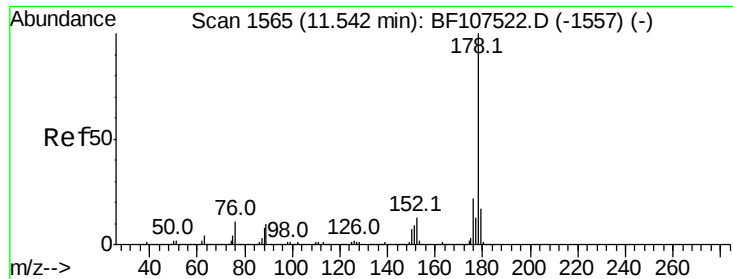
Acq: 24 Jul 2018 16:17

Tgt Ion:	188	Resp:	682737
Ion Ratio	Lower	Upper	
188	100		
94	8.9	8.5	12.7
80	9.7	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





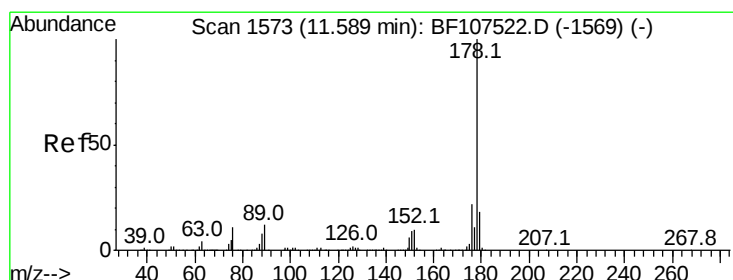
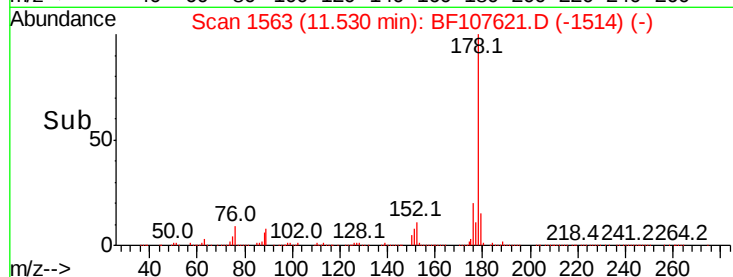
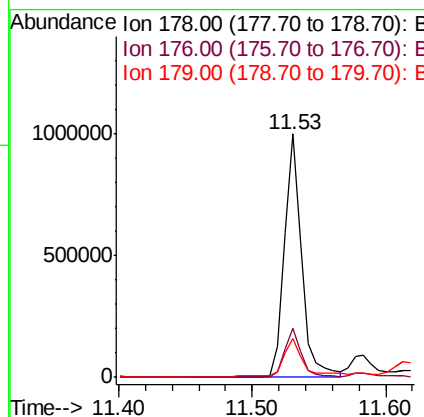
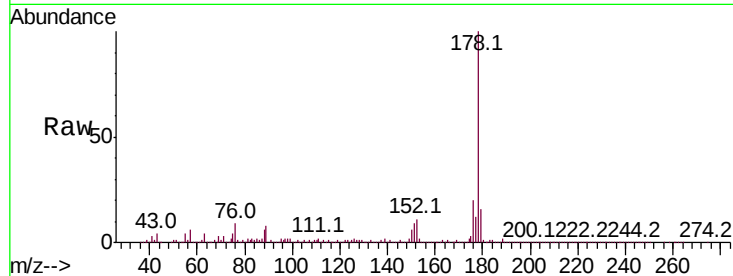
#70
Phenanthrene
Concen: 27.222 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF107621.D
Acq: 24 Jul 2018 16:17

Instrument :
BNA_F
ClientSampleID :
DW-8

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.8	13.0	19.6

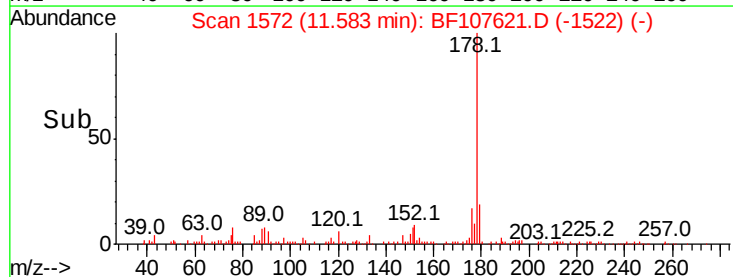
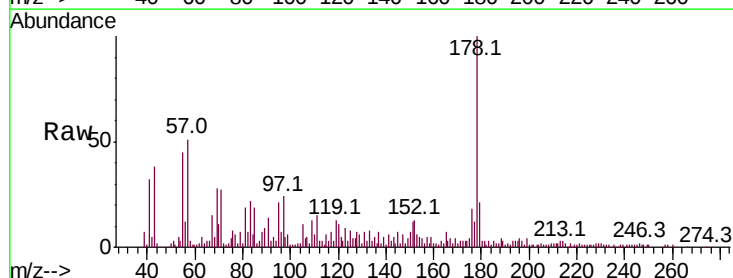
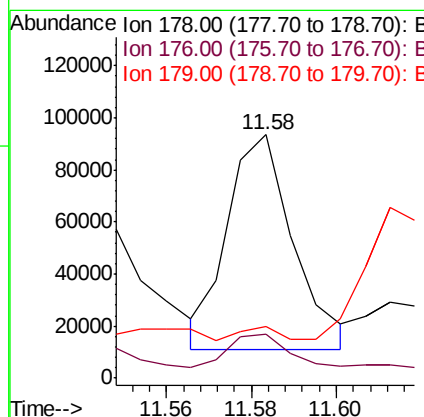
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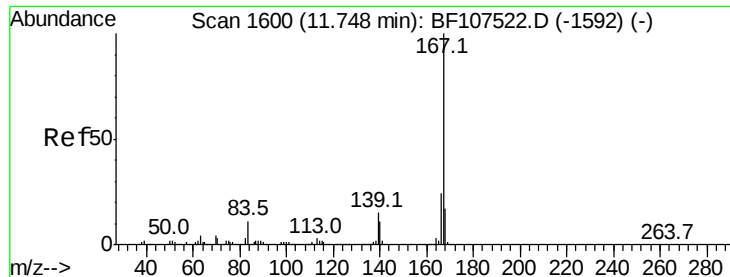
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#71
Anthracene
Concen: 2.665 ng m
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF107621.D
Acq: 24 Jul 2018 16:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	21.3	12.6	19.0#





#72

Carbazole

Concen: 2.621 ng

RT: 11.74 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BF107621.D

Acq: 24 Jul 2018 16:17

Instrument :

BNA_F

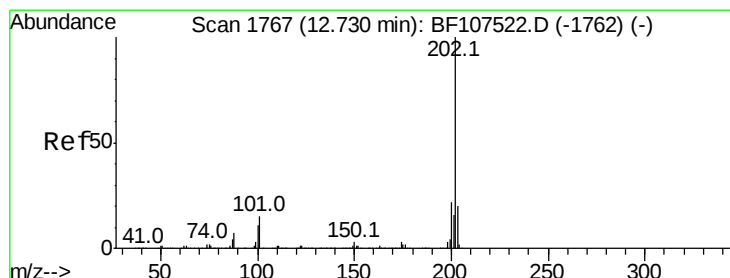
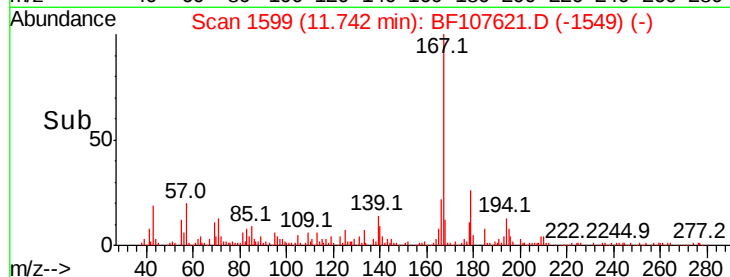
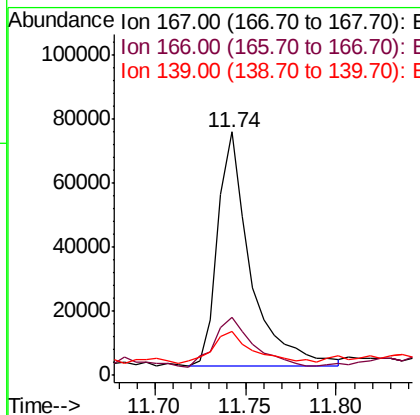
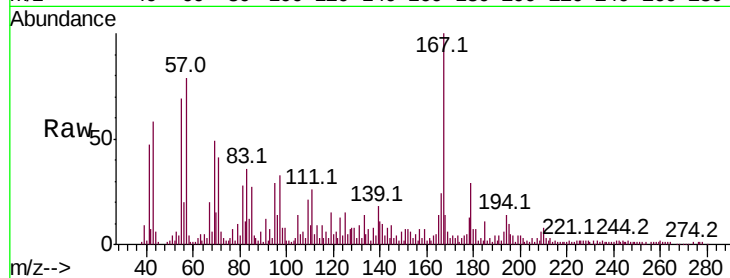
ClientSampled :

DW-8

Tot Ion:	167	Resp:	91286
Ion Ratio	Lower	Upper	
167	100		
166	23.9	17.6	26.4
139	18.0	10.9	16.3

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#74

Fluoranthene

Concen: 55.317 ng

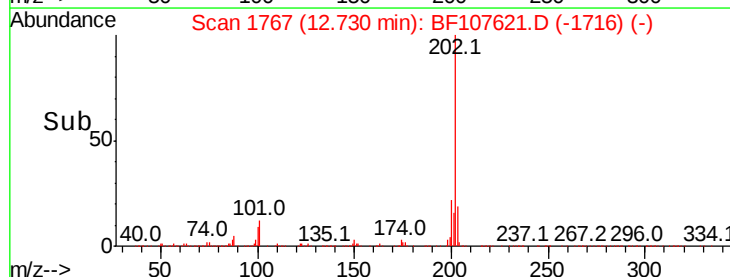
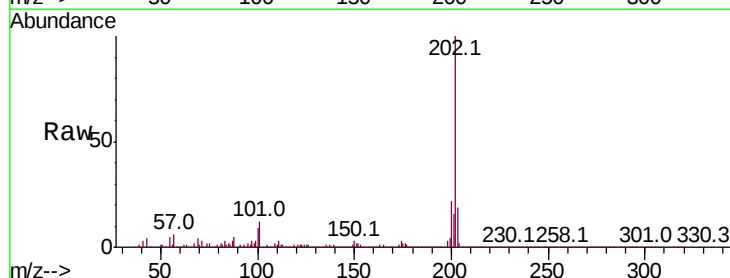
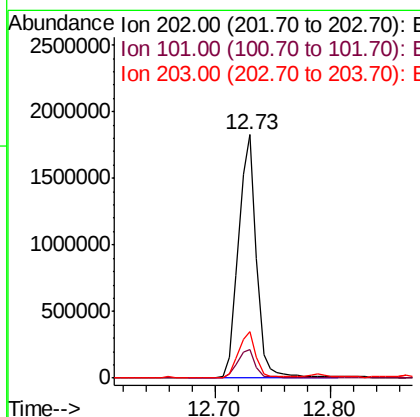
RT: 12.73 min Scan# 1767

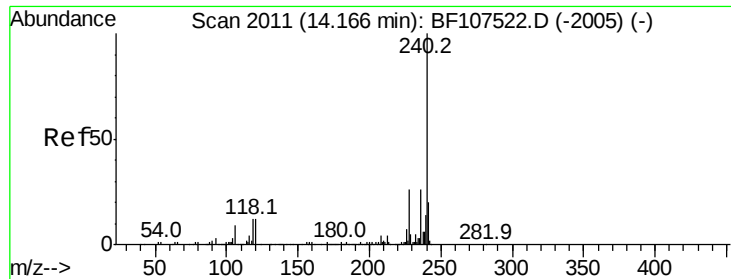
Delta R.T. 0.00 min

Lab File: BF107621.D

Acq: 24 Jul 2018 16:17

Tgt Ion:	202	Resp:	1974881
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	34.1
203	19.2	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: BF107621.D

Acq: 24 Jul 2018 16:17

Instrument :

BNA_F

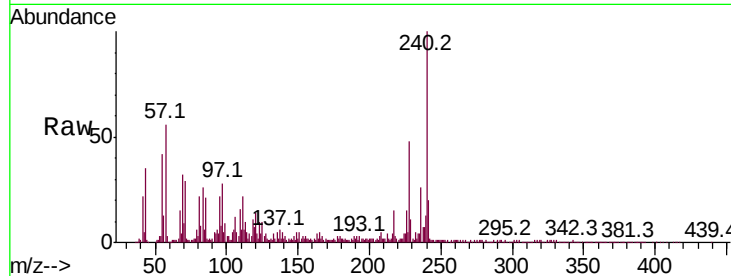
ClientSampled :

DW-8

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.1	9.5	14.3
236	25.6	20.7	31.1

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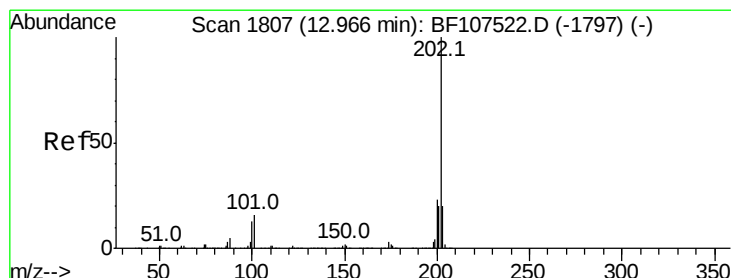
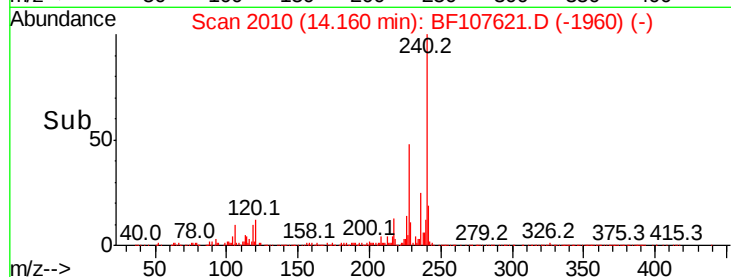
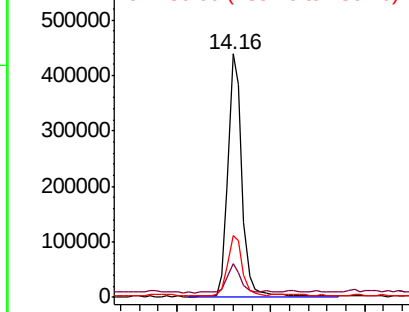


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 48.338 ng

RT: 12.96 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF107621.D

Acq: 24 Jul 2018 16:17

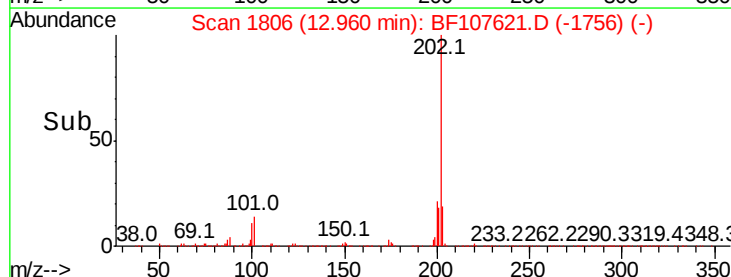
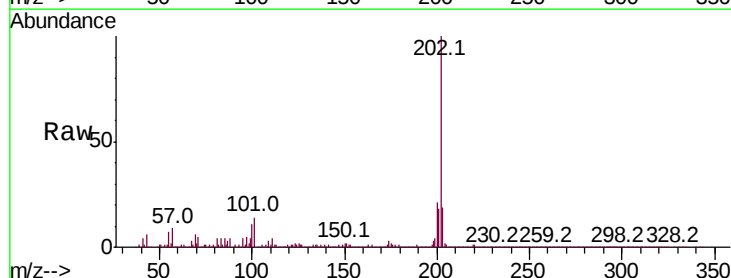
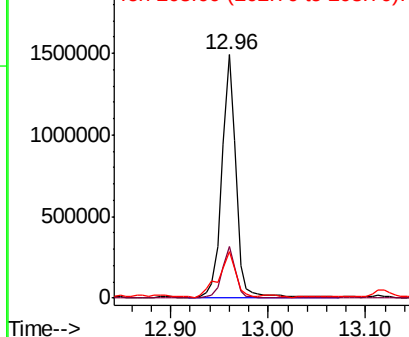
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	19.1	14.3	21.5

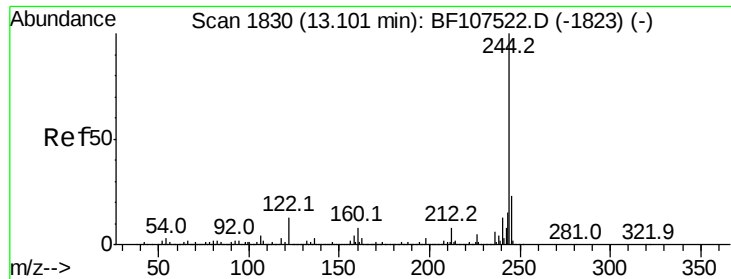
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





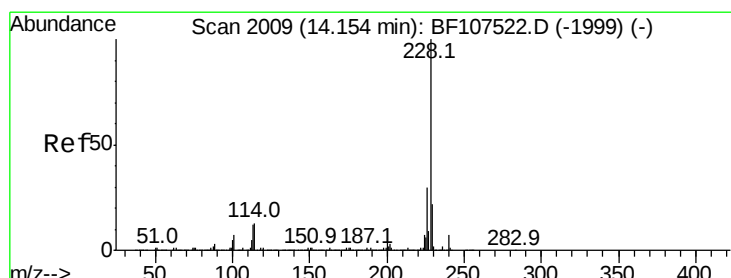
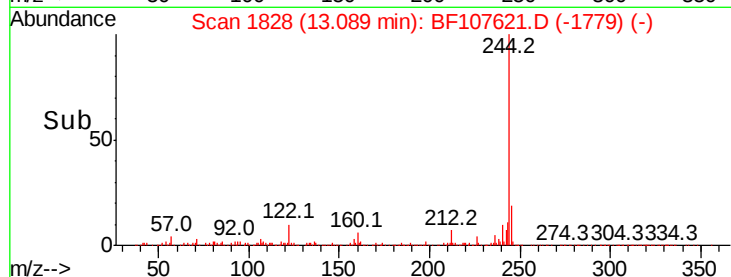
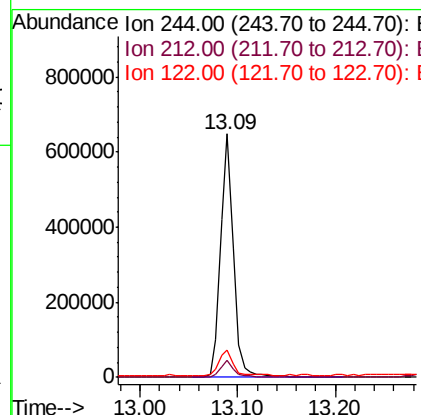
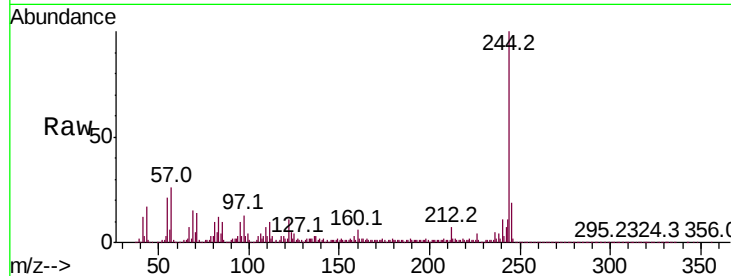
#78
 Terphenyl-d14
 Concen: 33.410 ng
 RT: 13.09 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF107621.D
 Acq: 24 Jul 2018 16:17

Instrument :
 BNA_F
 ClientSampled :
 DW-8

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.0	11.0	16.4

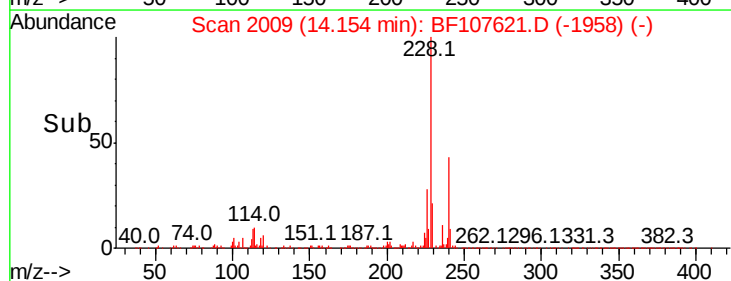
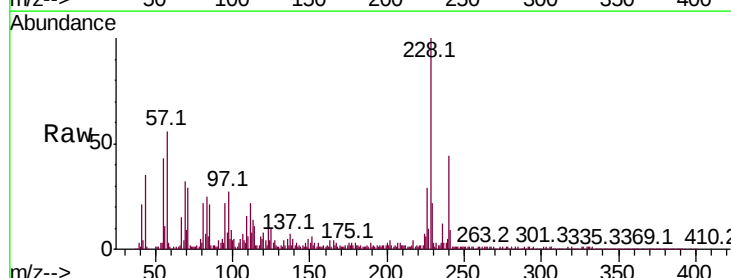
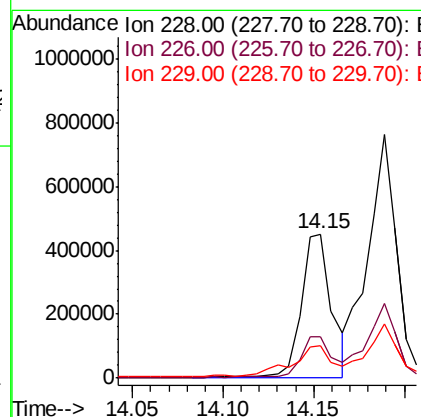
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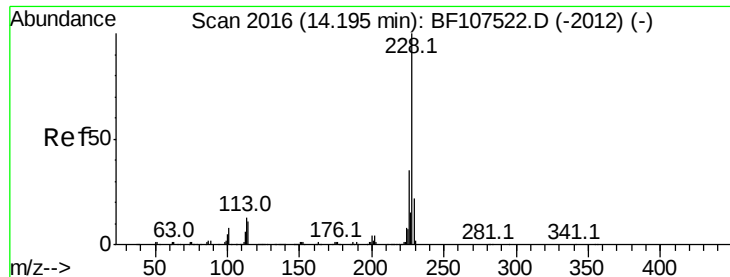
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#80
 Benzo(a)anthracene
 Concen: 19.805 ng
 RT: 14.15 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: BF107621.D
 Acq: 24 Jul 2018 16:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	33.8
229	22.1	15.8	23.6





#82

Chrysene

Concen: 33.738 ng

RT: 14.19 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF107621.D

Acq: 24 Jul 2018 16:17

Instrument :

BNA_F

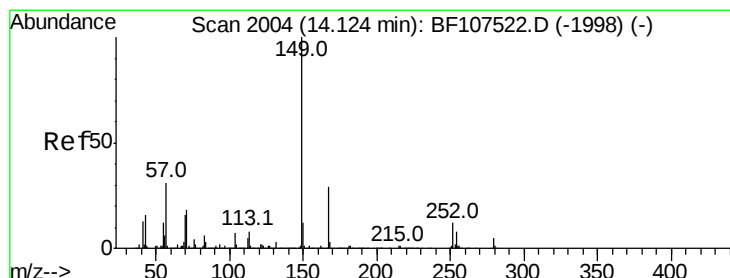
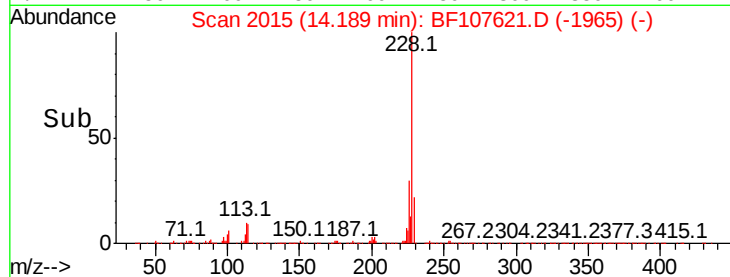
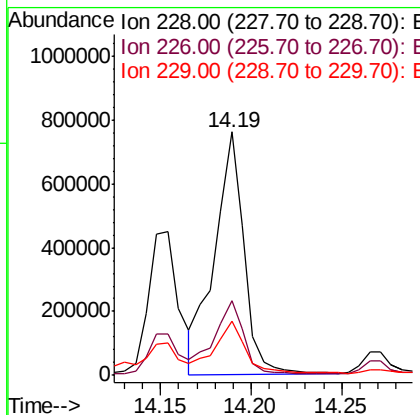
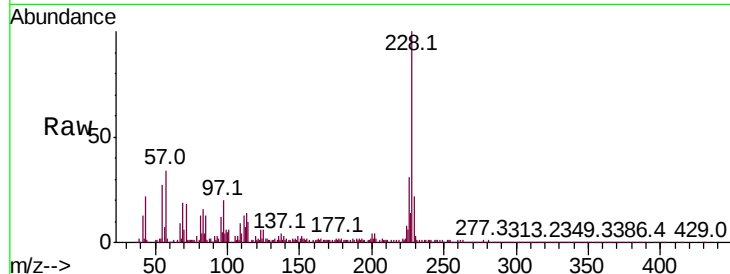
ClientSampled :

DW-8

Tot Ion:	228	Resp:	859937
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.6
229	22.4	16.2	24.4

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#83

Bis(2-ethylhexyl)phthalate

Concen: 38.323 ng

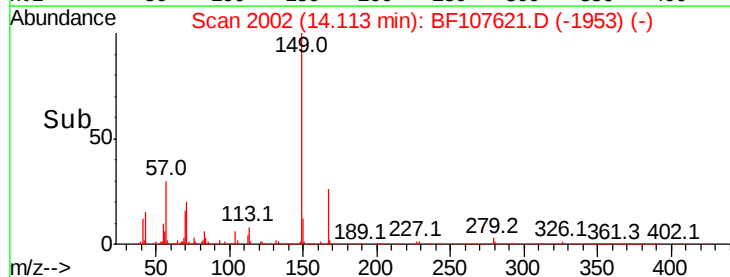
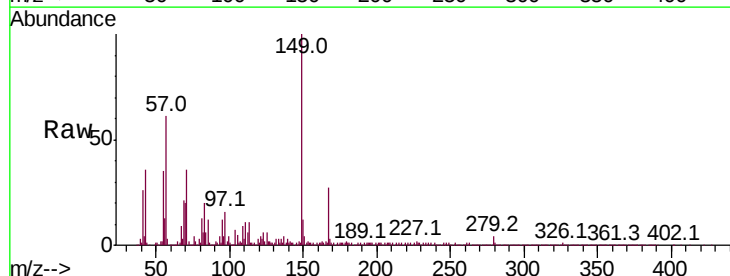
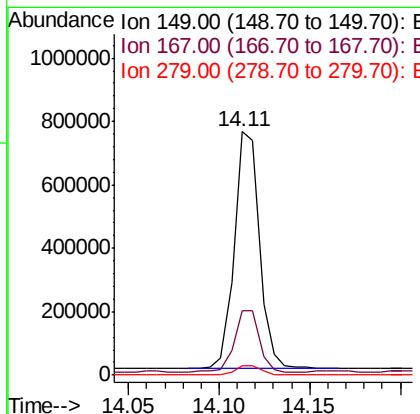
RT: 14.11 min Scan# 2002

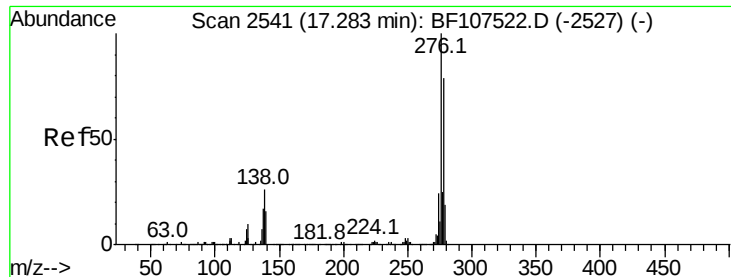
Delta R.T. -0.01 min

Lab File: BF107621.D

Acq: 24 Jul 2018 16:17

Tgt Ion:	149	Resp:	720217
Ion Ratio	Lower	Upper	
149	100		
167	26.7	21.3	31.9
279	3.6	3.0	4.4





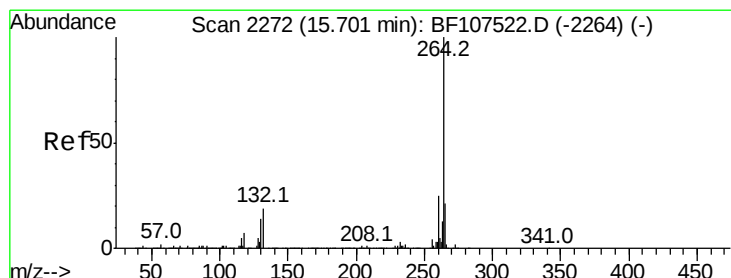
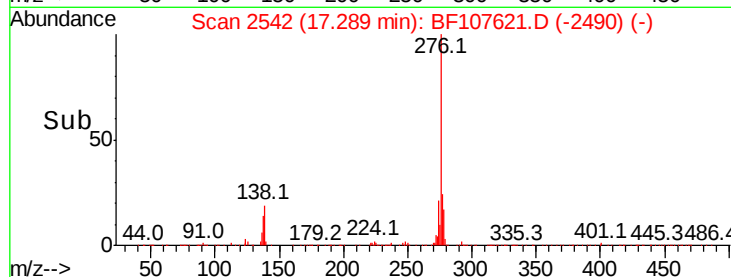
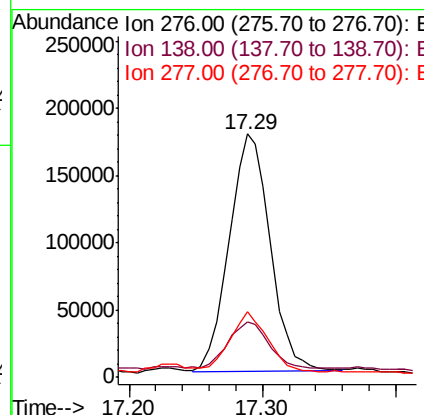
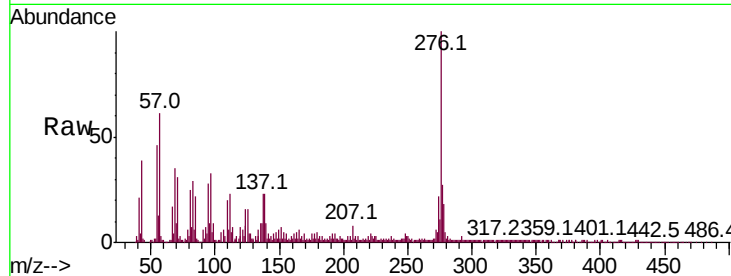
#85
Indeno(1,2,3-cd)pyrene
Concen: 17.416 ng
RT: 17.29 min Scan# 2542
Delta R.T. 0.01 min
Lab File: BF107621.D
Acq: 24 Jul 2018 16:17

Instrument :
BNA_F
ClientSampled :
DW-8

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.8	25.0	37.6#
277	23.7	20.1	30.1

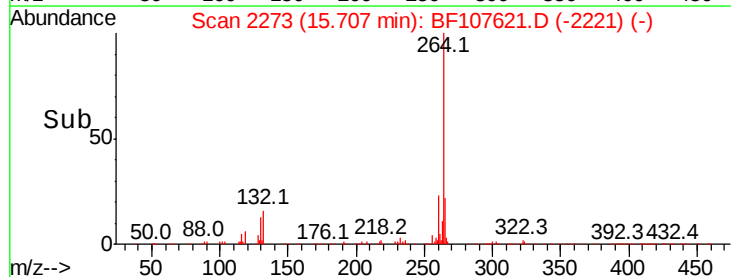
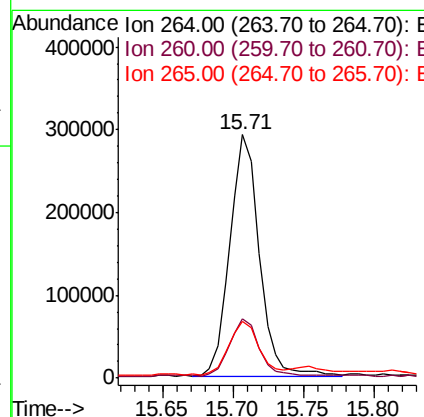
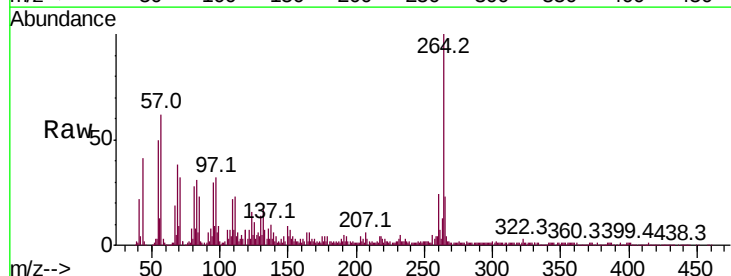
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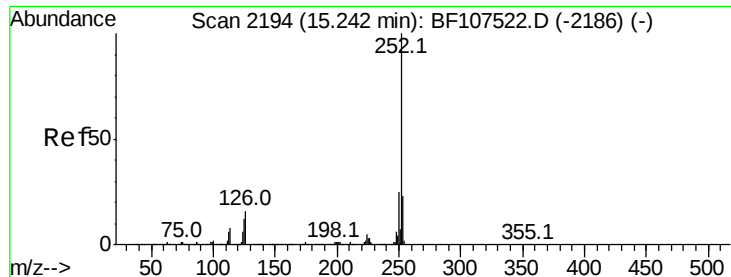
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF107621.D
Acq: 24 Jul 2018 16:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	23.4	17.5	26.3





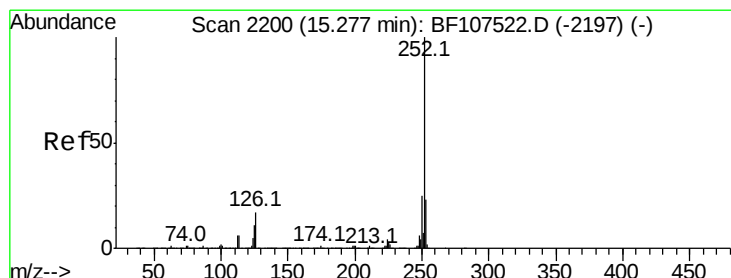
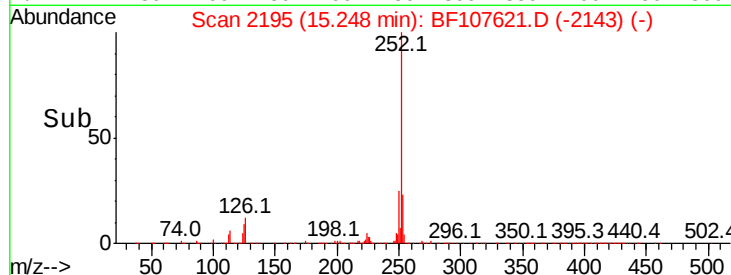
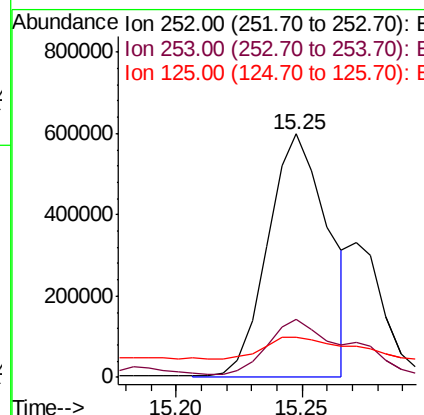
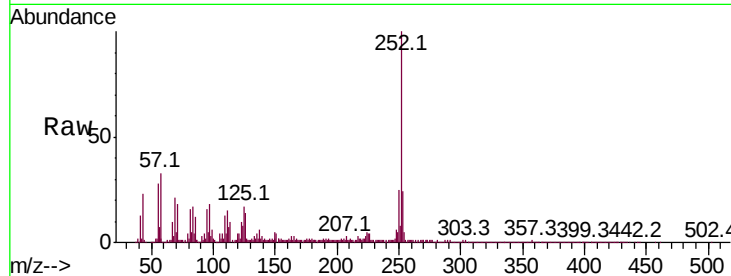
#87
Benzo(b)fluoranthene
Concen: 42.956 ng m
RT: 15.25 min Scan# 2195
Delta R.T. 0.01 min
Lab File: BF107621.D
Acq: 24 Jul 2018 16:17

Instrument :
BNA_F
ClientSampleId :
DW-8

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	16.6	9.0	13.6

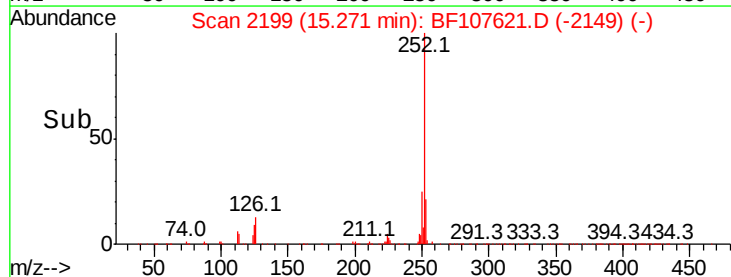
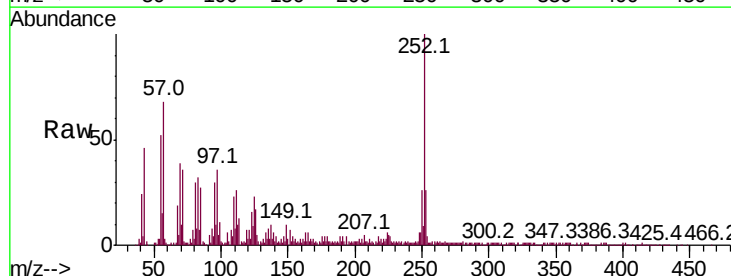
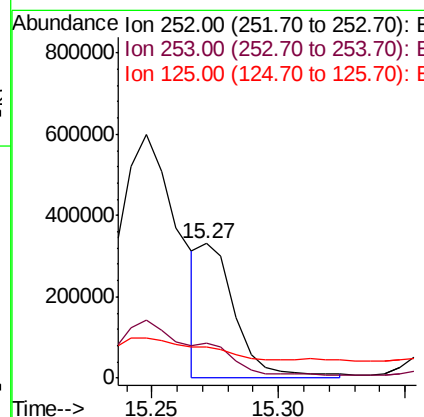
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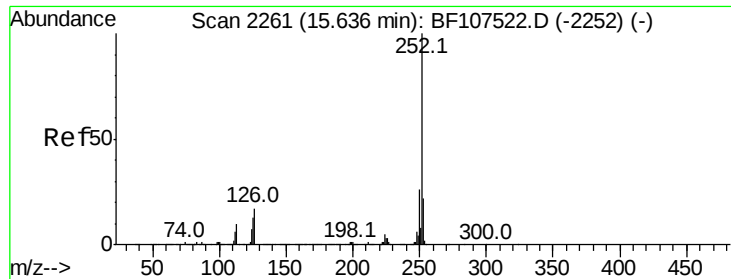
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#88
Benzo(k)fluoranthene
Concen: 14.394 ng m
RT: 15.27 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF107621.D
Acq: 24 Jul 2018 16:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.9	26.9
125	23.2	10.2	15.2





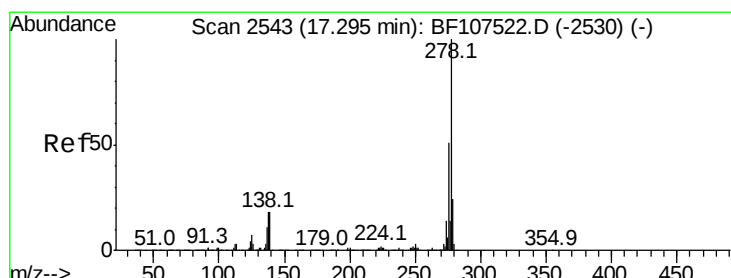
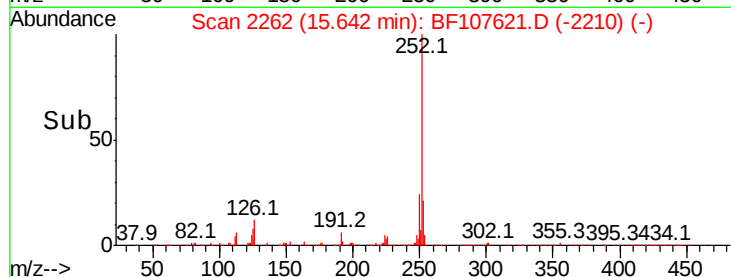
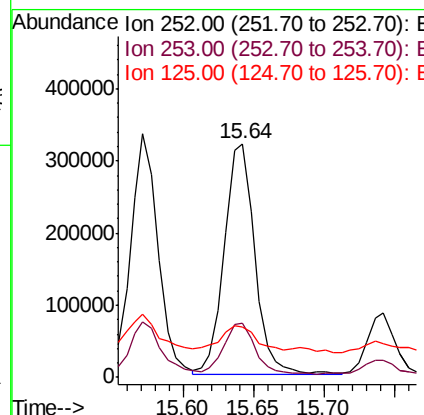
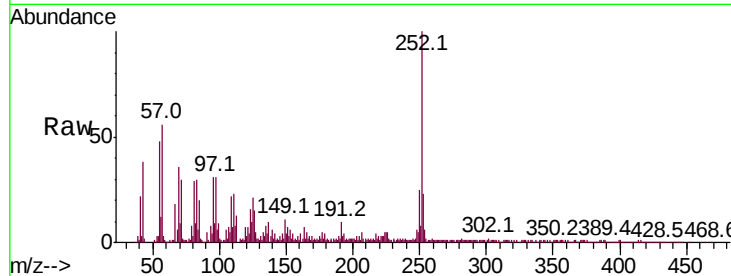
#89
Benzo(a)pyrene
Concen: 22.849 ng
RT: 15.64 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF107621.D
Acq: 24 Jul 2018 16:17

Instrument :
BNA_F
ClientSampleId :
DW-8

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	21.3	9.8	14.6

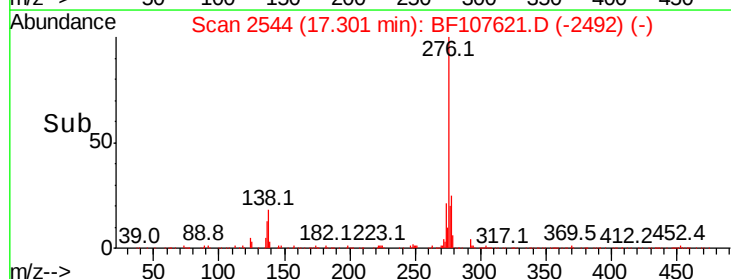
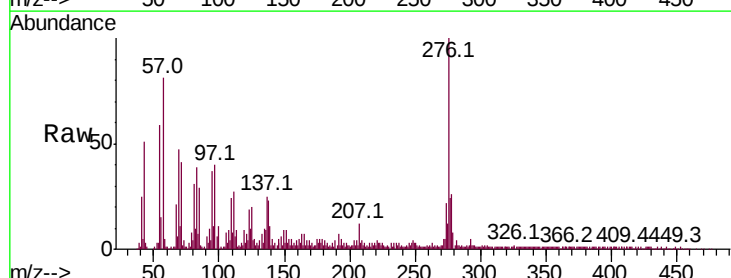
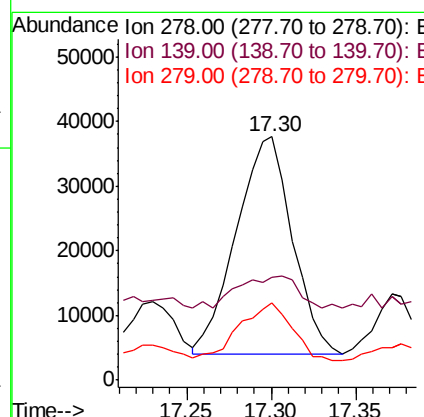
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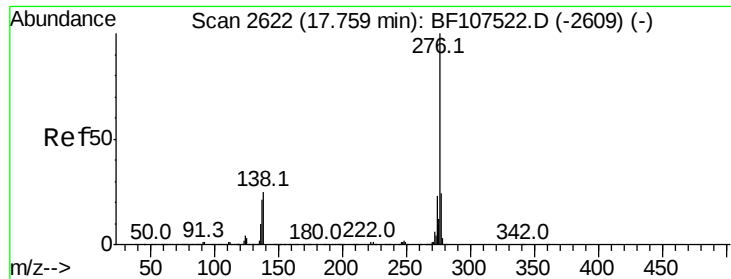
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#90
Dibenzo(a,h)anthracene
Concen: 4.217 ng
RT: 17.30 min Scan# 2544
Delta R.T. 0.01 min
Lab File: BF107621.D
Acq: 24 Jul 2018 16:17

Tgt Ion	Ratio	Lower	Upper
278	100		
139	42.2	15.9	23.9
279	31.7	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 20.440 ng
 RT: 17.77 min Scan# 2624
 Delta R.T. 0.01 min
 Lab File: BF107621.D
 Acq: 24 Jul 2018 16:17

Instrument :
 BNA_F
 ClientSampleId :
 DW-8

Tot Ion:	276	Resp:	369955
Ion Ratio	Lower	Upper	
276	100		
277	23.4	17.9	26.9
138	24.2	21.8	32.8

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