

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080118\
 Data File : BF107889.D
 Acq On : 1 Aug 2018 15:20
 Operator : JU/SJ
 Sample : J4164-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-072518

Manual Integrations
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Sohil
 8/2/2018 9:17:05 AM

Quant Time: Aug 01 16:25:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	135641	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	516952	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	229531	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	441824	20.00	ng	0.00
75) Chrysene-d12	14.15	240	406840	20.00	ng	0.00
86) Perylene-d12	15.69	264	447481	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	778597	97.56	ng	0.00
7) Phenol-d6	6.60	99	970900	92.30	ng	0.00
23) Nitrobenzene-d5	7.52	82	643744	71.74	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	275081	88.20	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	1136831	69.02	ng	0.00
78) Terphenyl-d14	13.08	244	1050578	56.00	ng	0.00
Target Compounds						
48) Acenaphthylene	9.87	152	71741	2.938	ng	98
49) Dimethylphthalate	9.71	163	71394	4.142	ng	99
70) Phenanthrene	11.52	178	222811	10.621	ng	99
71) Anthracene	11.58	178	109237	4.514	ng	97
74) Fluoranthene	12.72	202	560298	22.734	ng	96
77) Pyrene	12.95	202	571797	19.518	ng	97
80) Benzo(a)anthracene	14.14	228	396197	17.192	ng	93
82) Chrysene	14.18	228	317679	12.780	ng	98
85) Indeno(1,2,3-cd)pyrene	17.28	276	164566m	8.704	ng	
87) Benzo(b)fluoranthene	15.23	252	390763m	17.706	ng	
88) Benzo(k)fluoranthene	15.25	252	197357m	7.284	ng	
89) Benzo(a)pyrene	15.62	252	333763	14.649	ng	98
91) Benzo(a,h,i)perylene	17.75	276	153992	8.008	ng	94

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

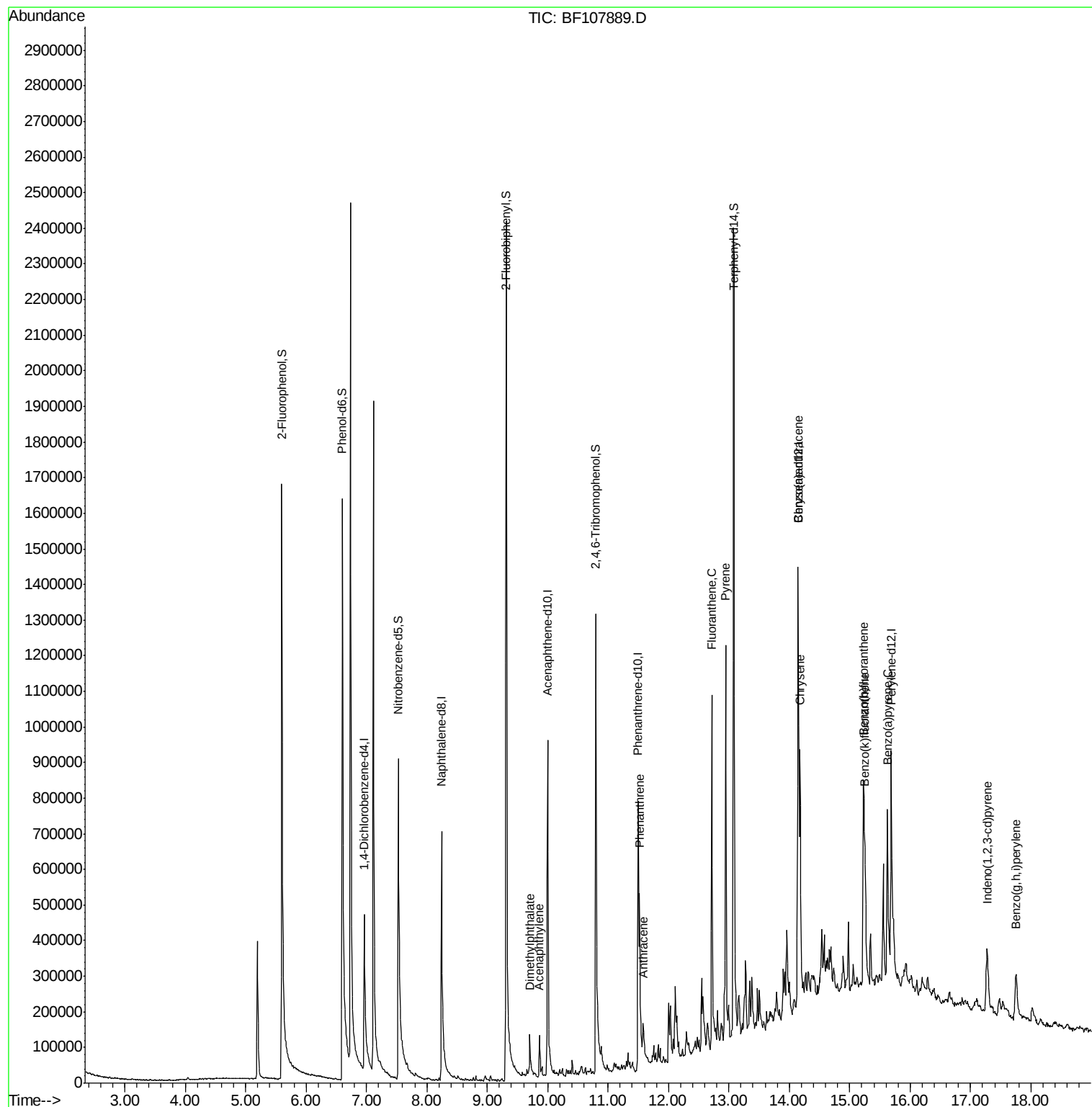
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080118\
Data File : BF107889.D
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Operator : JU/SJ
Sample : J4164-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

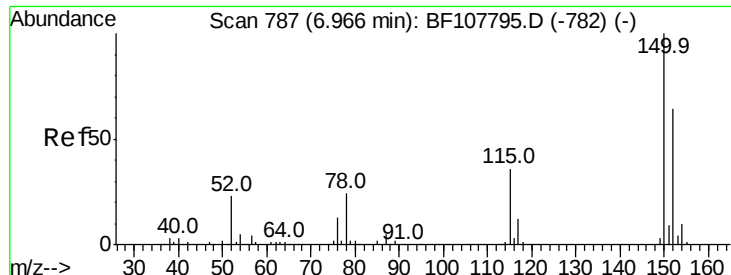
Instrument :
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Quant Time: Aug 01 16:25:23 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

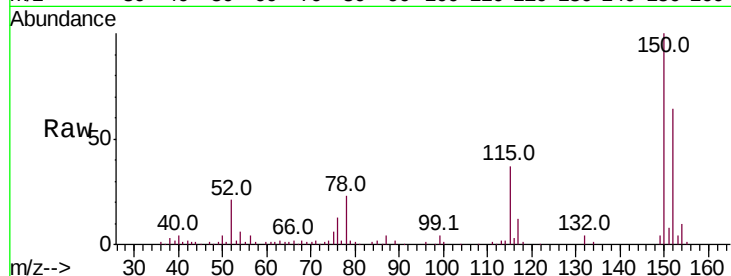
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF107889.D
Acq: 1 Aug 2018 15:20

Instrument :
BNA_F
ClientSampleId :
DUP-072518

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.6	186.8
115	57.0	50.1	75.1

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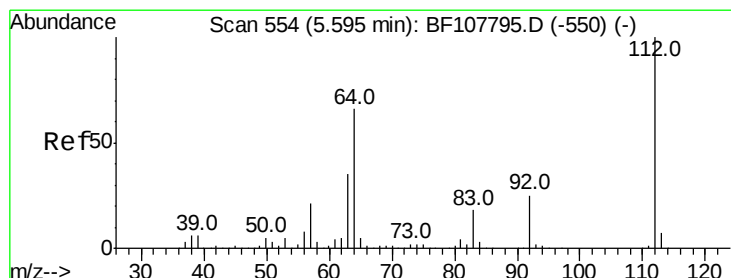
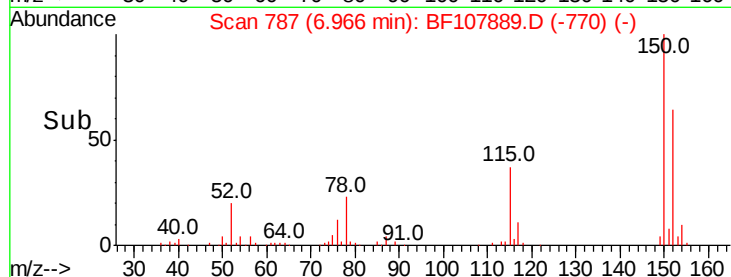
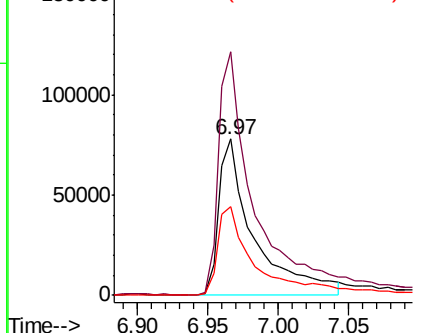


Abundance

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: 97.556 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF107889.D
Acq: 1 Aug 2018 15:20

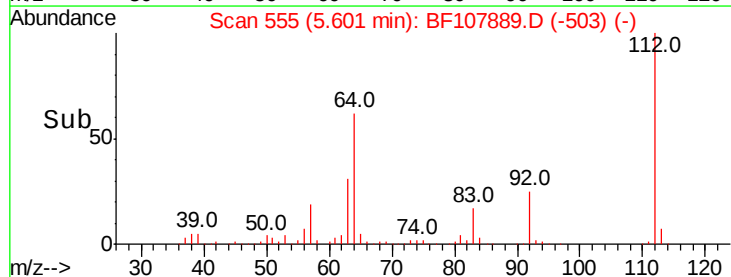
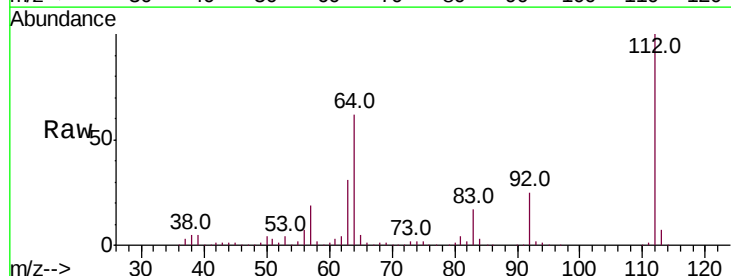
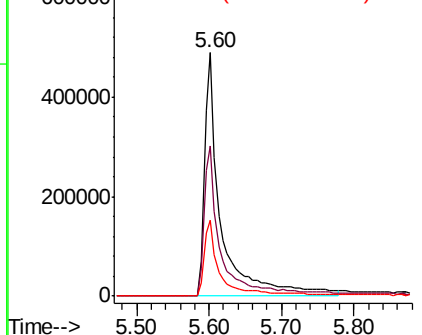
Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	47.9	71.9
63	31.3	23.7	35.5

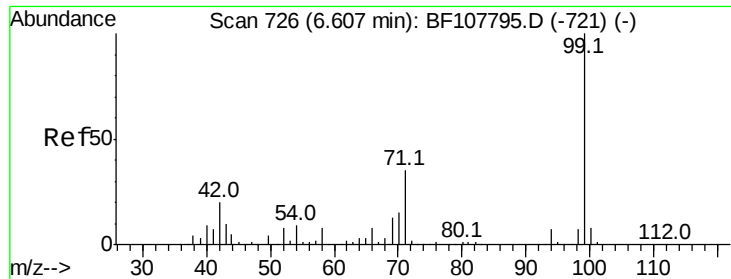
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 92.304 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107889.D

Acq: 1 Aug 2018 15:20

Instrument :

BNA_F

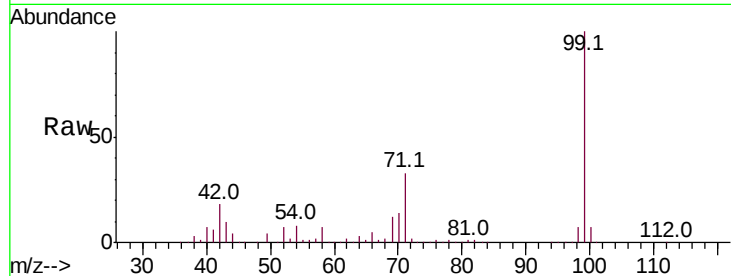
ClientSampleId :

DUP-072518

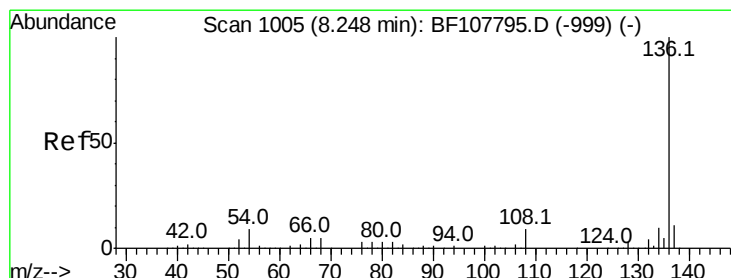
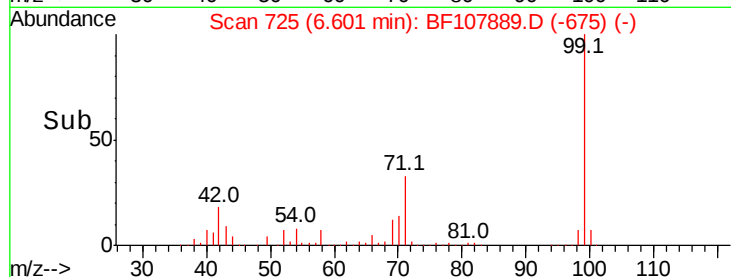
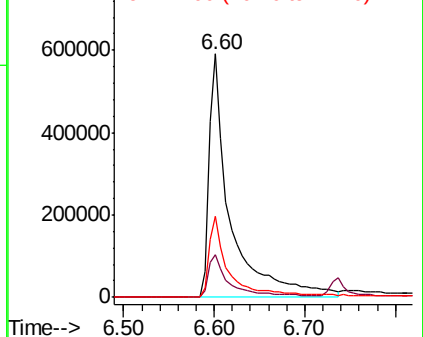
Tot Ion:	99	Resp:	970900
Ion Ratio	Lower	Upper	
99	100		
42	17.8	14.5	21.7
71	33.2	25.4	38.0

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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: 8.24 min Scan# 1004

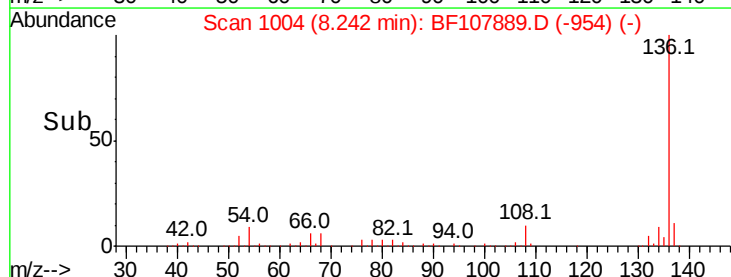
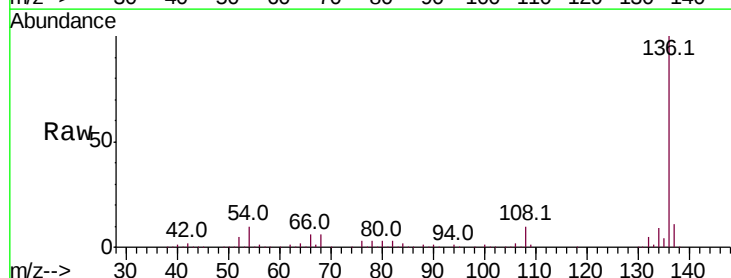
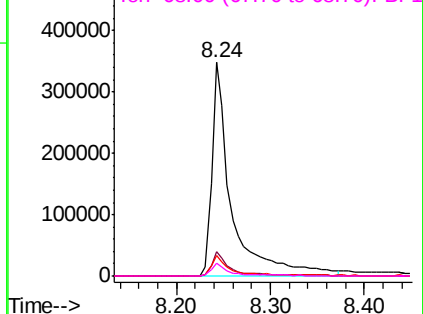
Delta R.T. -0.01 min

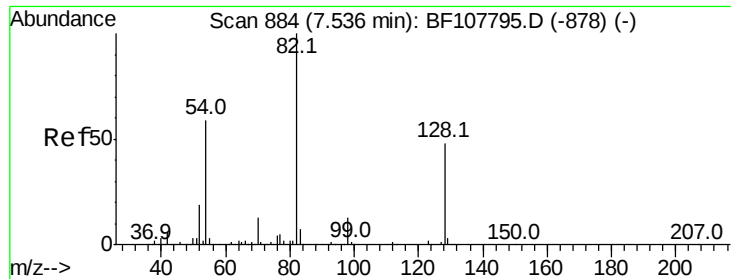
Lab File: BF107889.D

Acq: 1 Aug 2018 15:20

Tgt Ion:	136	Resp:	516952
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	9.6	6.6	9.8
68	6.2	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





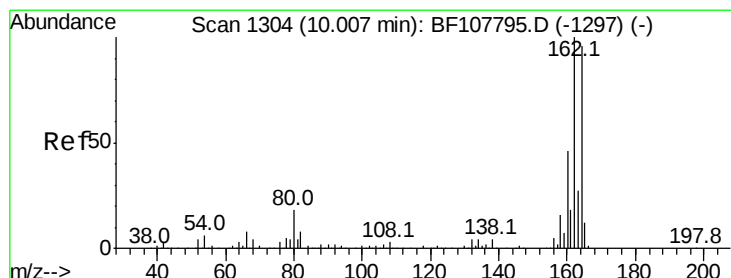
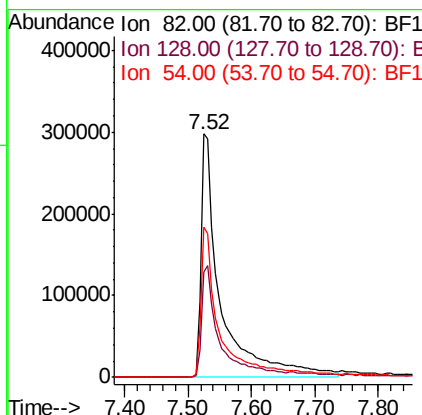
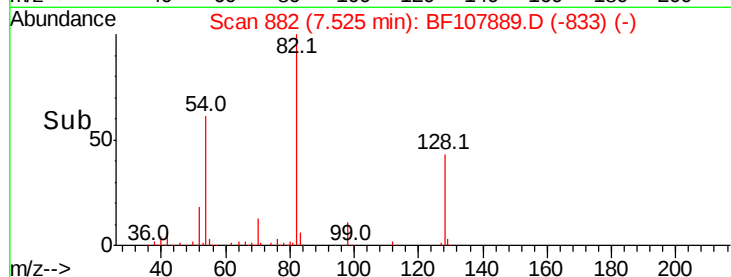
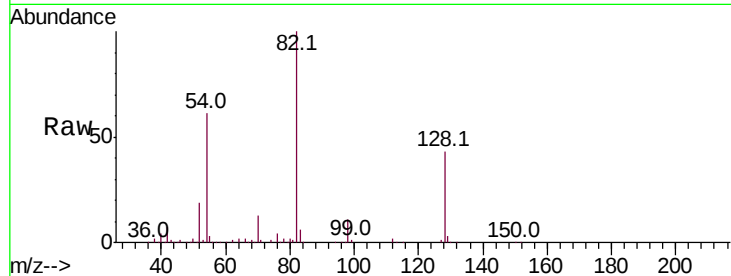
#23
 Nitrobenzene-d5
 Concen: 71.740 ng
 RT: 7.52 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF107889.D
 Acq: 1 Aug 2018 15:20

Instrument :
 BNA_F
 ClientSampled :
 DUP-072518

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.1	36.1	54.1
54	61.5	41.4	62.2

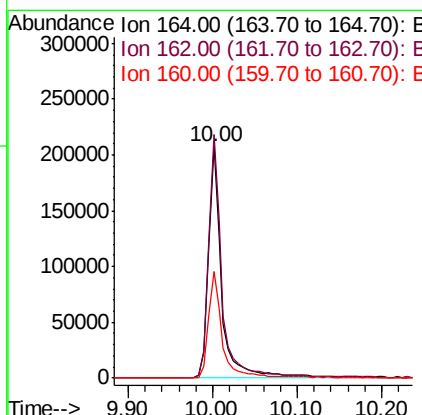
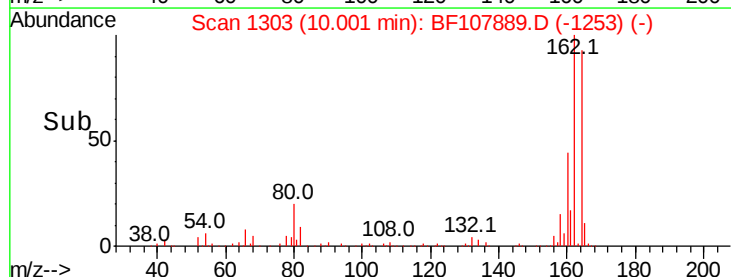
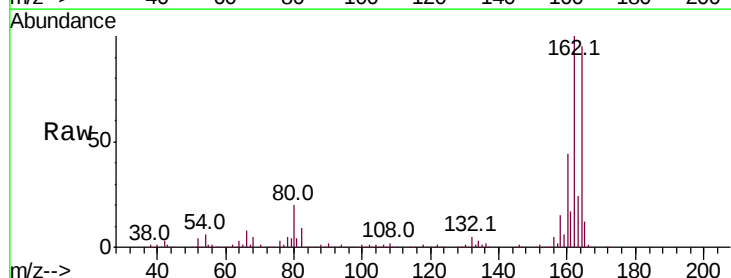
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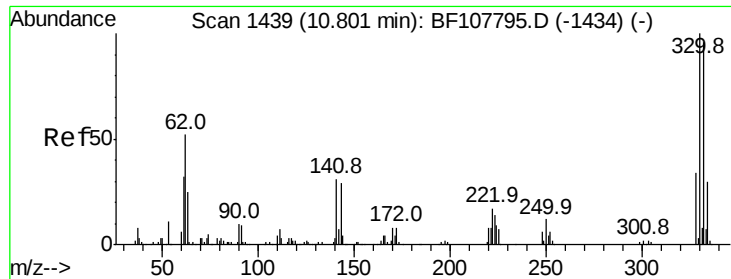
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF107889.D
 Acq: 1 Aug 2018 15:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.2	86.1	129.1
160	46.3	38.3	57.5





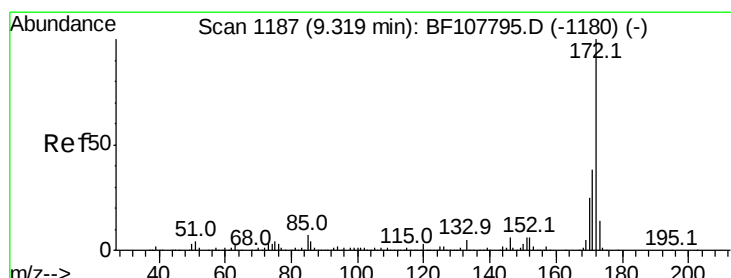
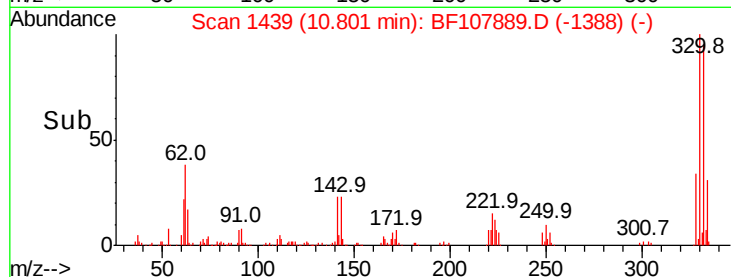
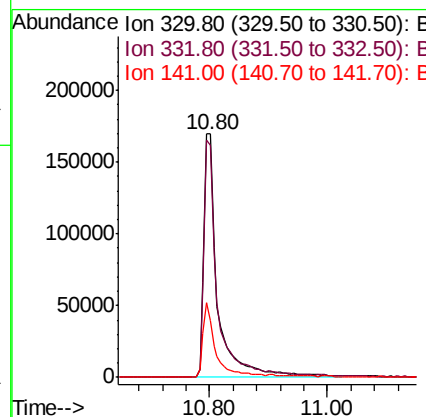
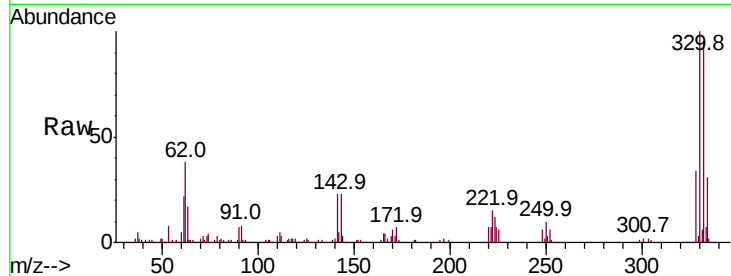
#41
 2,4,6-Tribromophenol
 Concen: 88.199 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF107889.D
 Acq: 1 Aug 2018 15:20

Instrument :
 BNA_F
 ClientSampleId :
 DUP-072518

Tot Ion	Ratio	Resp	Lower	Upper
330	100	275081		
332	93.8	77.0	115.6	
141	27.2	29.9	44.9#	

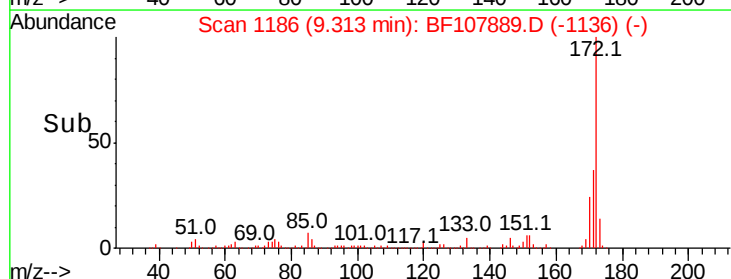
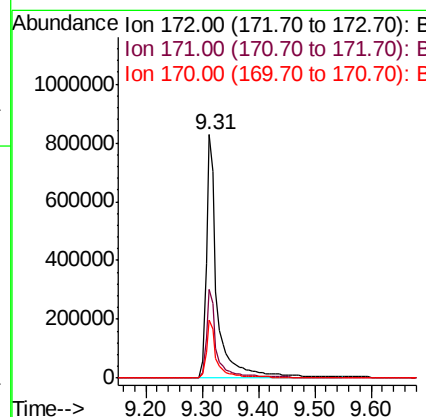
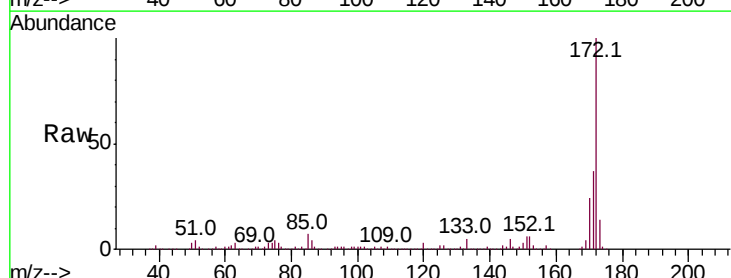
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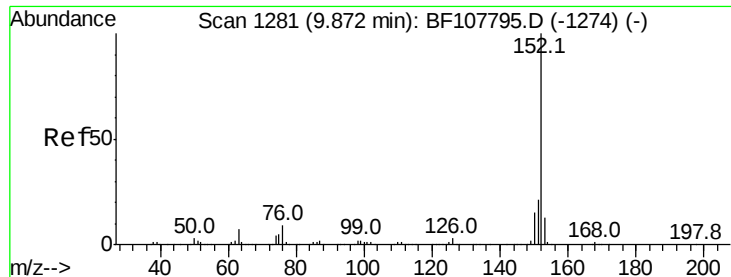
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#44
 2-Fluorobiphenyl
 Concen: 69.017 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107889.D
 Acq: 1 Aug 2018 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1136831		
171	36.5	29.7	44.5	
170	24.0	19.6	29.4	





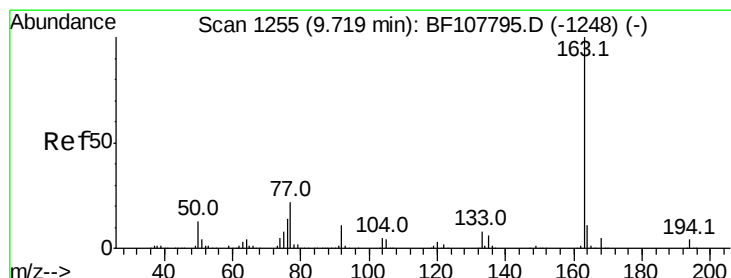
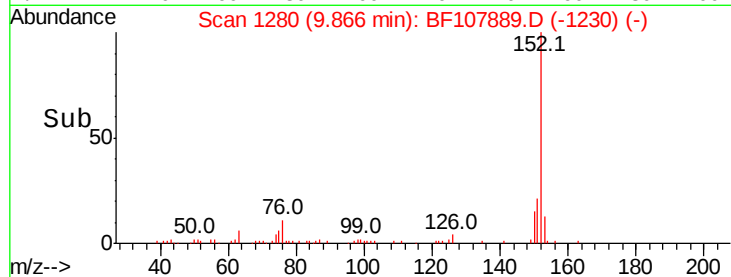
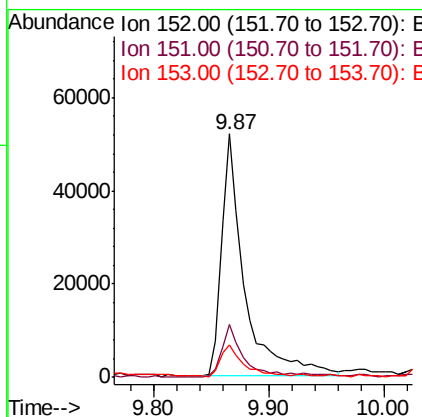
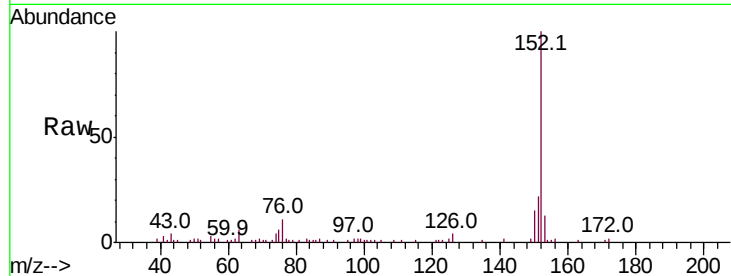
#48
Acenaphthylene
Concen: 2.938 ng
RT: 9.87 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF107889.D
Acq: 1 Aug 2018 15:20

Instrument :
BNA_F
ClientSampleId :
DUP-072518

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.6	16.3	24.5
153	13.2	10.7	16.1

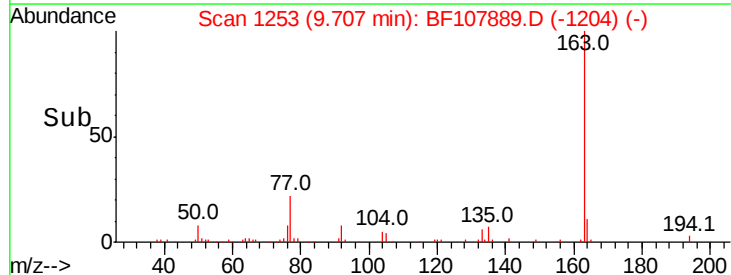
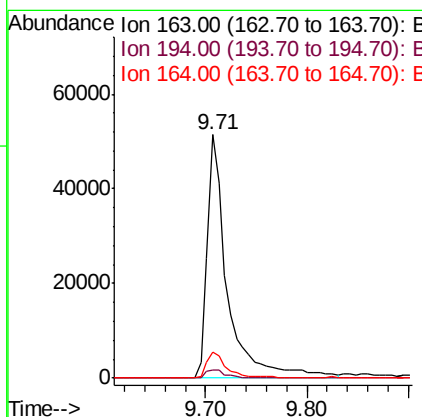
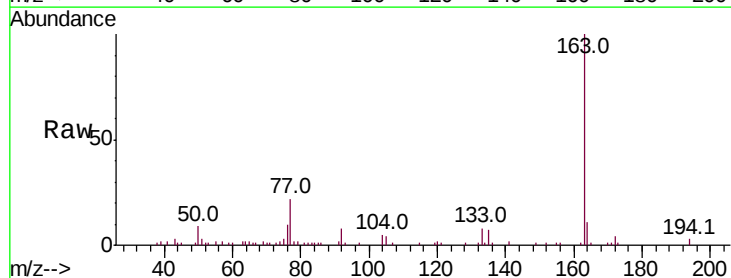
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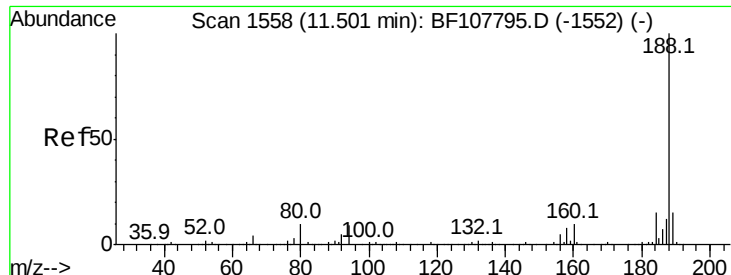
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#49
Dimethylphthalate
Concen: 4.142 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF107889.D
Acq: 1 Aug 2018 15:20

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	10.7	8.2	12.2





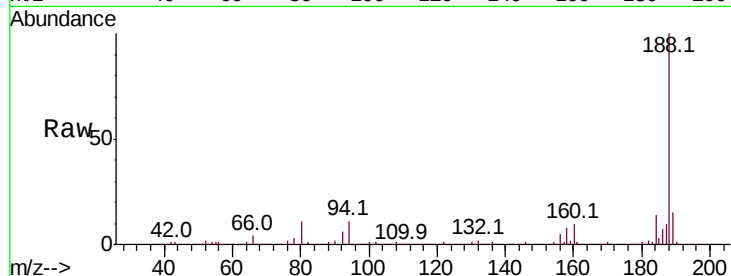
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF107889.D
Acq: 1 Aug 2018 15:20

Instrument :
BNA_F
ClientSampleId :
DUP-072518

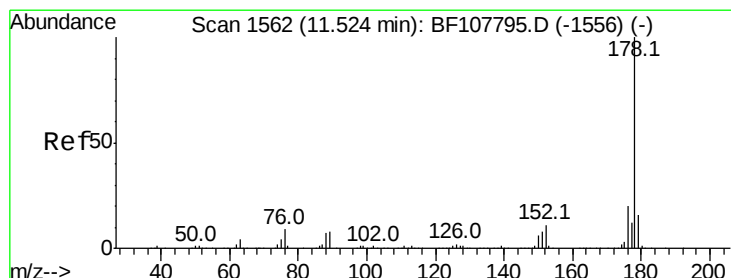
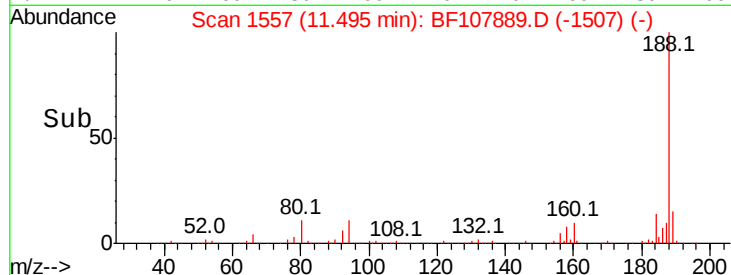
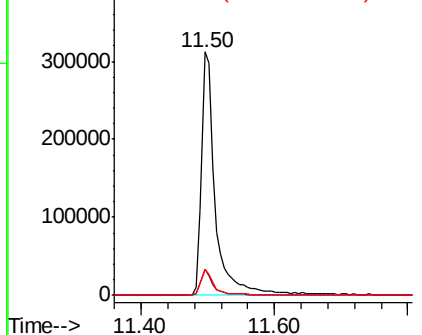
Tot Ion	Ratio	Resp	Lower	Upper
188	100	441824		
94	10.7		8.5	12.7
80	10.9		9.2	13.8

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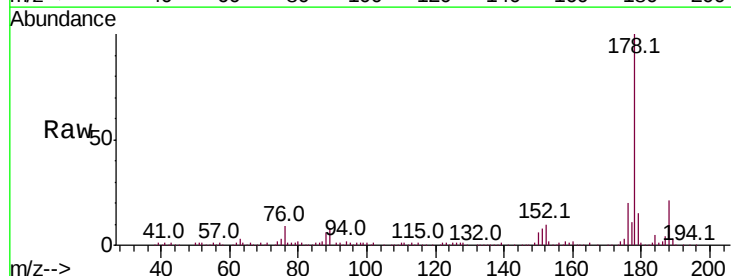


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

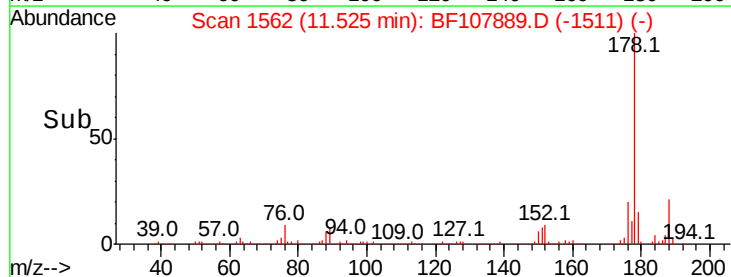
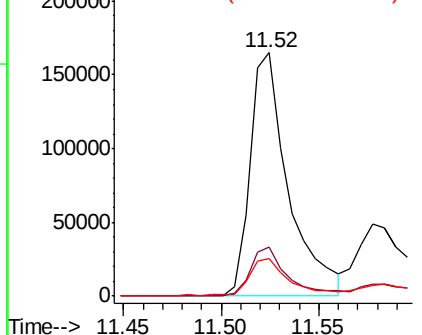


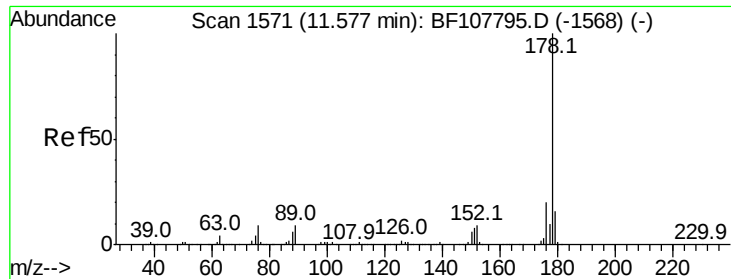
#70
Phenanthrene
Concen: 10.621 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF107889.D
Acq: 1 Aug 2018 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	222811		
176	20.0		15.8	23.8
179	15.2		13.0	19.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 4.514 ng

RT: 11.58 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BF107889.D

Acq: 1 Aug 2018 15:20

Instrument :

BNA_F

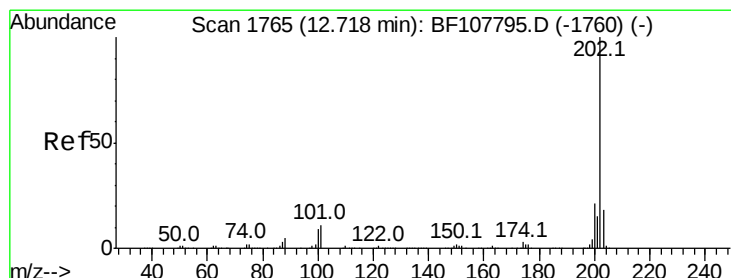
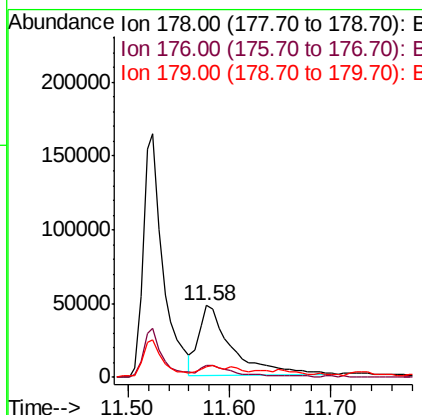
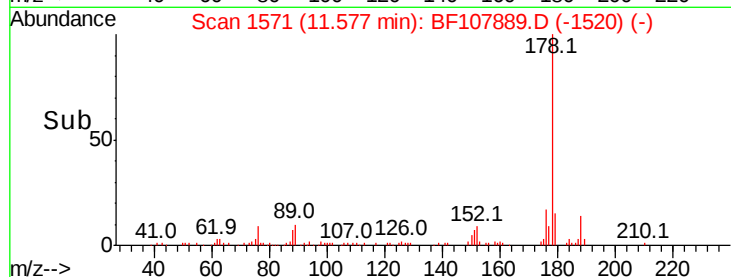
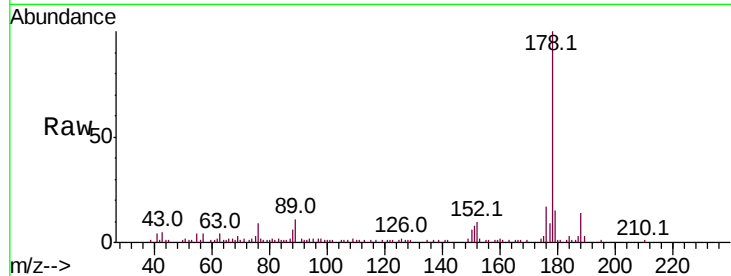
ClientSampleId :

DUP-072518

Tot Ion:	178	Resp:	109237
Ion Ratio	Lower	Upper	
178	100		
176	17.1	15.4	23.2
179	15.3	12.6	19.0

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#74

Fluoranthene

Concen: 22.734 ng

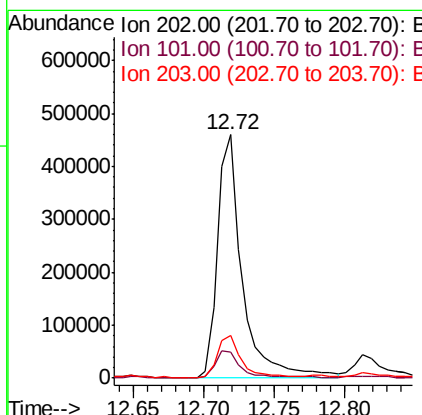
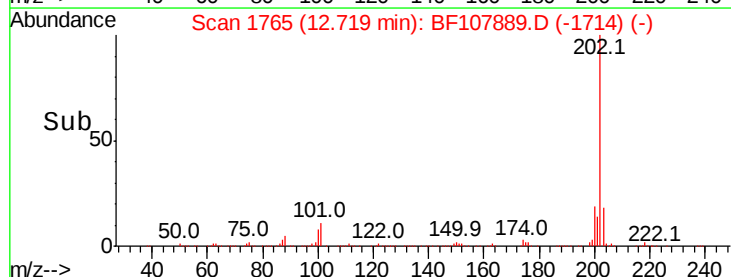
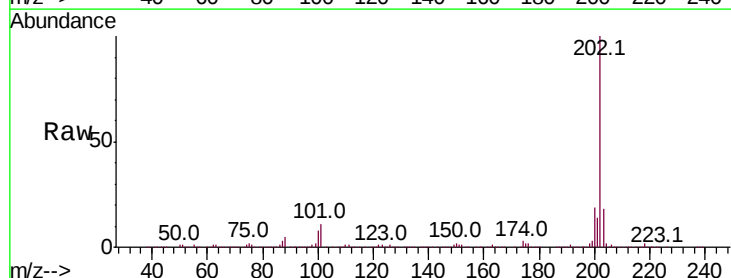
RT: 12.72 min Scan# 1765

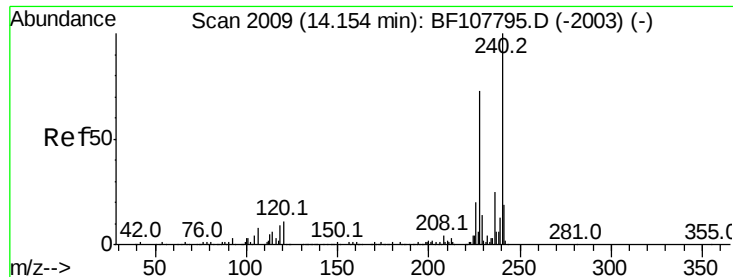
Delta R.T. 0.00 min

Lab File: BF107889.D

Acq: 1 Aug 2018 15:20

Tgt Ion:	202	Resp:	560298
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BF107889.D

Acq: 1 Aug 2018 15:20

Instrument :

BNA_F

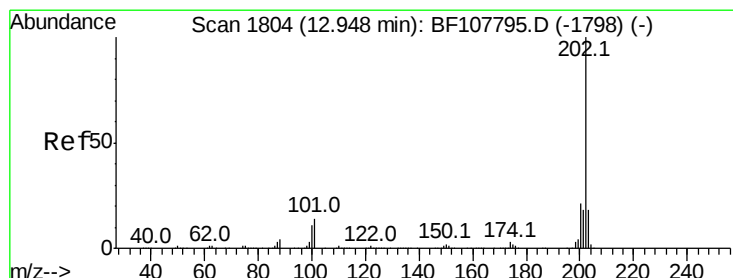
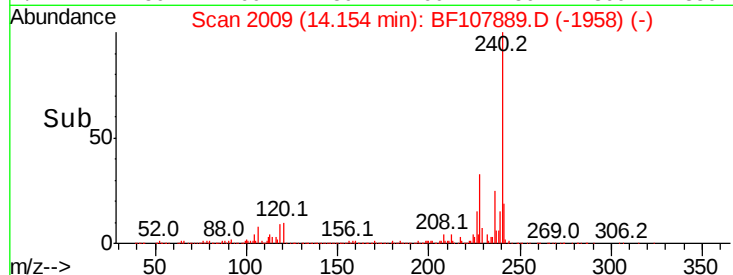
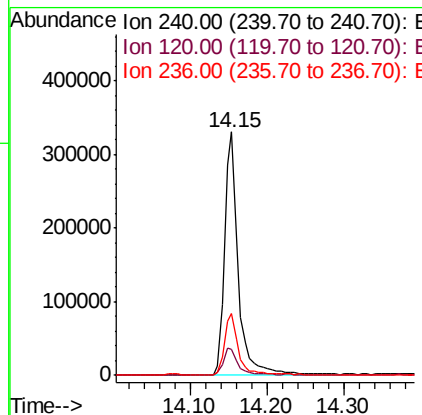
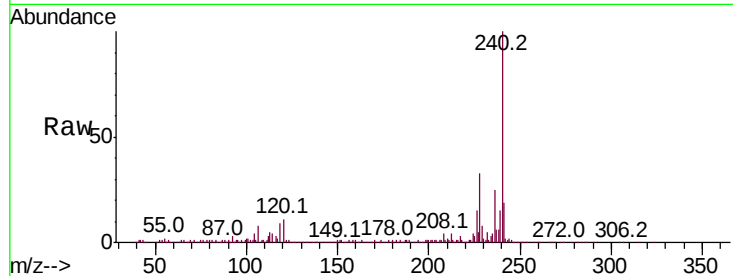
ClientSampleId :

DUP-072518

Tot Ion:	240	Resp:	406840
Ion Ratio	Lower	Upper	
240	100		
120	10.6	9.5	14.3
236	25.5	20.7	31.1

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#77

Pyrene

Concen: 19.518 ng

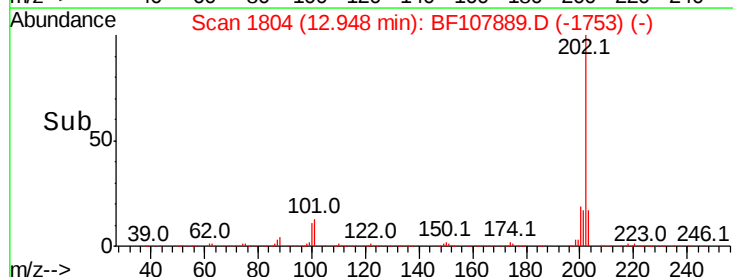
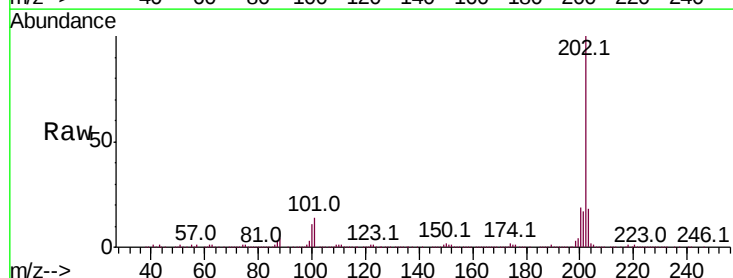
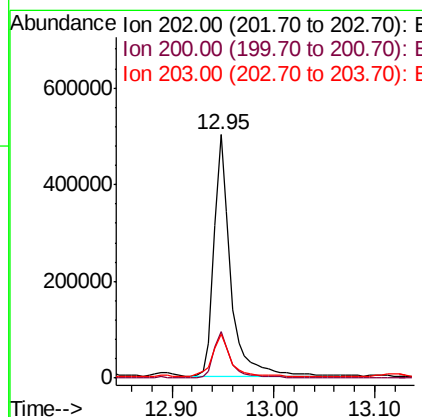
RT: 12.95 min Scan# 1804

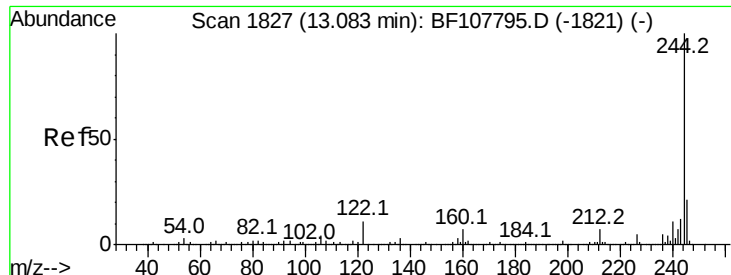
Delta R.T. 0.00 min

Lab File: BF107889.D

Acq: 1 Aug 2018 15:20

Tgt Ion:	202	Resp:	571797
Ion Ratio	Lower	Upper	
202	100		
200	19.3	17.4	26.2
203	18.0	14.3	21.5





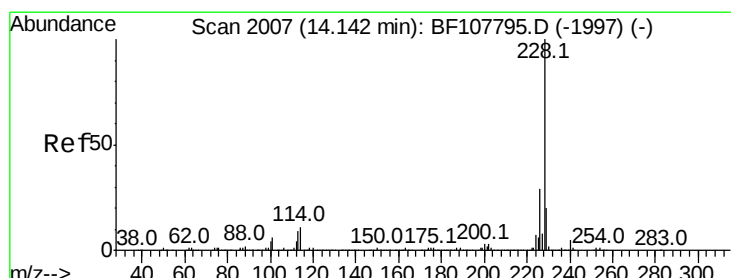
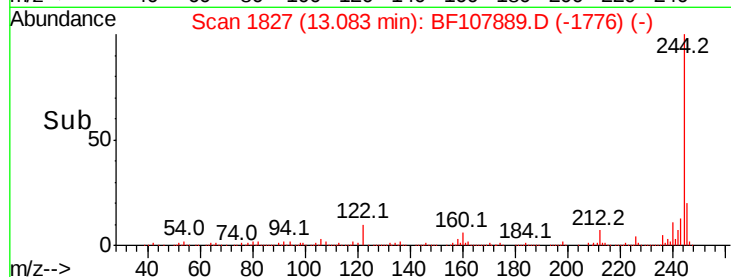
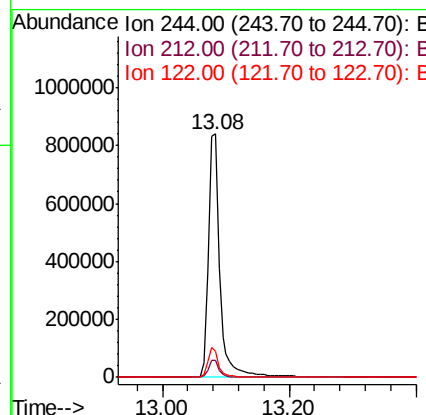
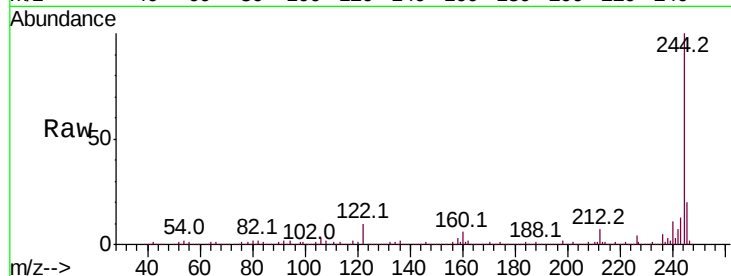
#78
 Terphenyl-d14
 Concen: 55.995 ng
 RT: 13.08 min Scan# 1827
 Delta R.T. 0.00 min
 Lab File: BF107889.D
 Acq: 1 Aug 2018 15:20

Instrument :
 BNA_F
 ClientSampleId :
 DUP-072518

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	10.5	11.0	16.4

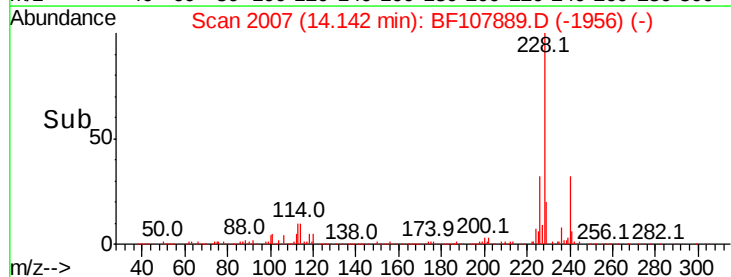
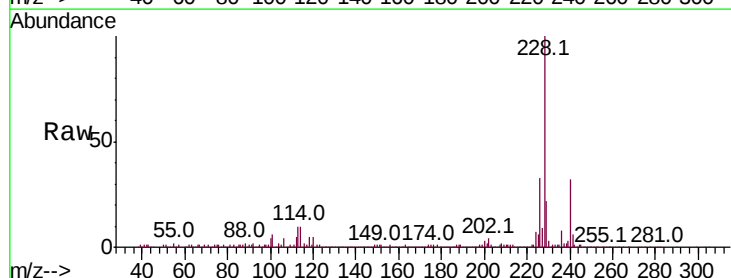
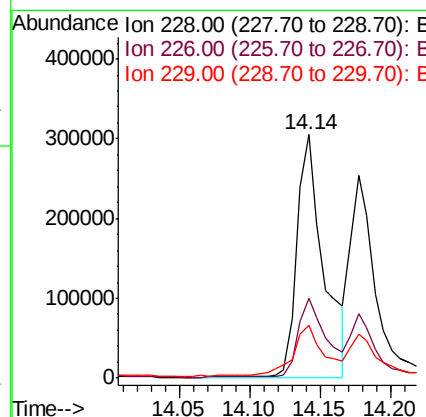
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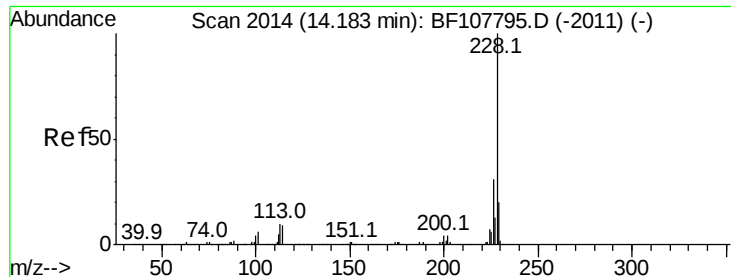
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#80
 Benzo(a)anthracene
 Concen: 17.192 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: BF107889.D
 Acq: 1 Aug 2018 15:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	22.6	33.8
229	21.6	15.8	23.6





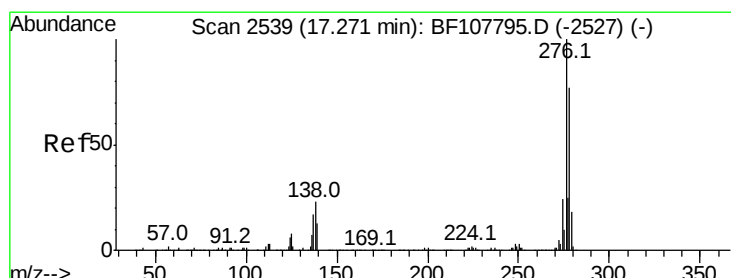
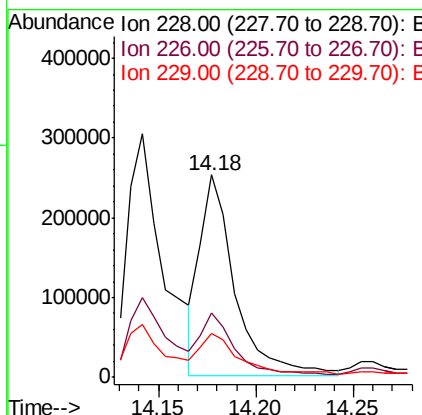
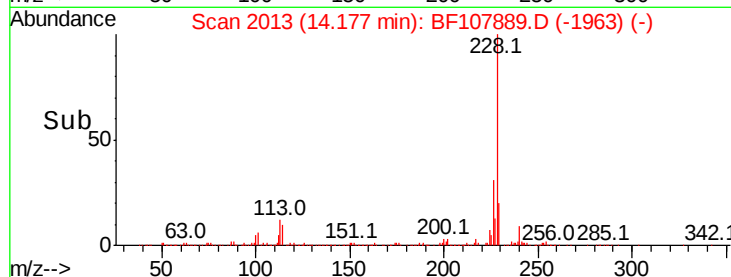
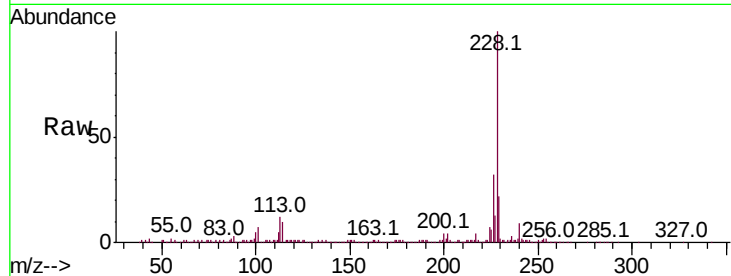
#82
Chrysene
Concen: 12.780 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF107889.D
Acq: 1 Aug 2018 15:20

Instrument :
BNA_F
ClientSampleId :
DUP-072518

Tot Ion:	228	Resp:	317679
Ion Ratio	Lower	Upper	
228	100		
226	31.6	25.0	37.6
229	21.9	16.2	24.4

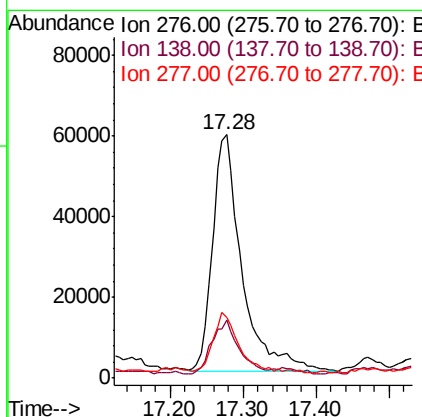
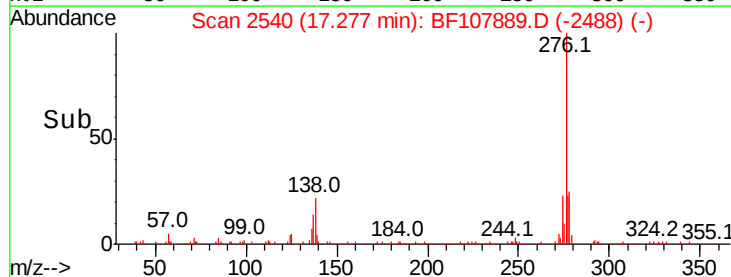
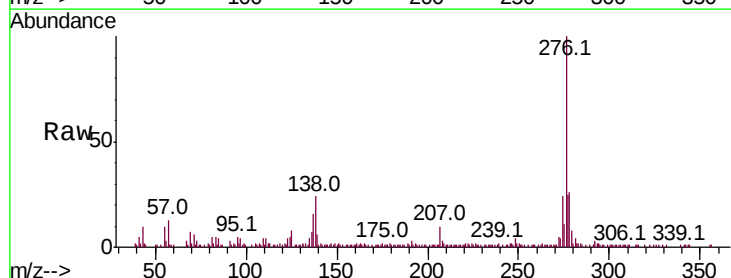
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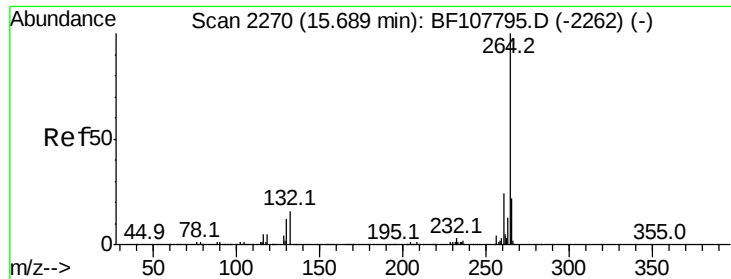
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#85
Indeno(1,2,3-cd)pyrene
Concen: 8.704 ng m
RT: 17.28 min Scan# 2540
Delta R.T. 0.01 min
Lab File: BF107889.D
Acq: 1 Aug 2018 15:20

Tgt Ion:	276	Resp:	164566
Ion Ratio	Lower	Upper	
276	100		
138	4.8	25.0	37.6#
277	4.2	20.1	30.1#





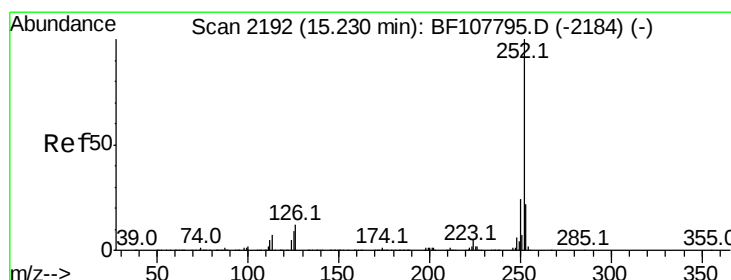
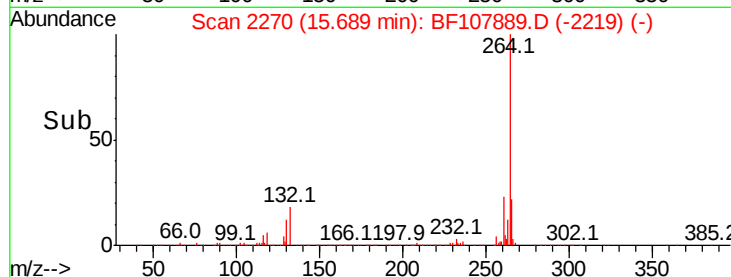
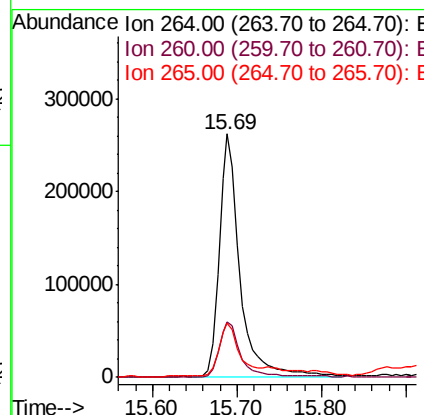
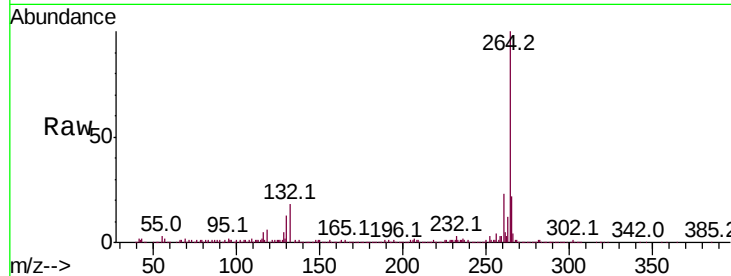
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF107889.D
Acq: 1 Aug 2018 15:20

Instrument :
BNA_F
ClientSampleId :
DUP-072518

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	22.5	17.5	26.3

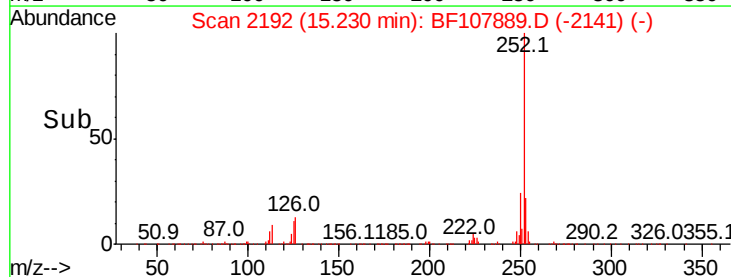
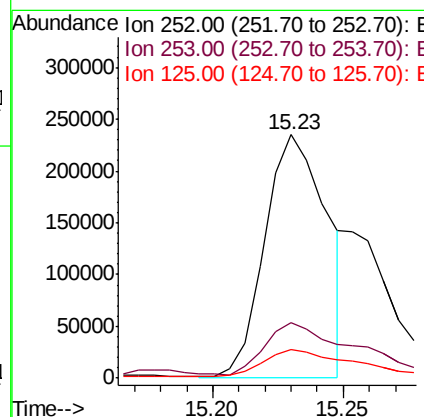
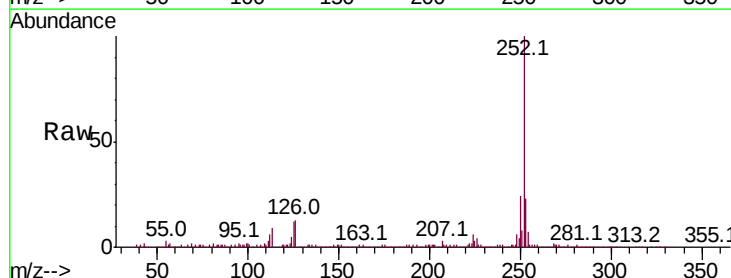
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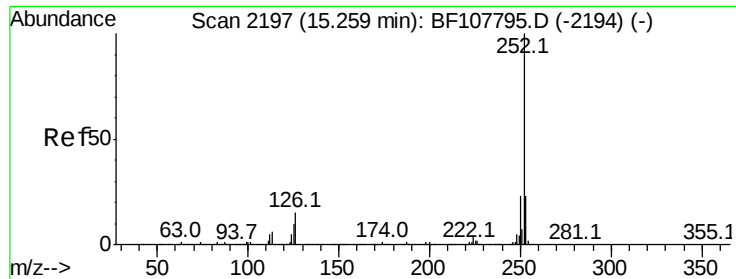
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#87
Benzo(b)fluoranthene
Concen: 17.706 ng m
RT: 15.23 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF107889.D
Acq: 1 Aug 2018 15:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	11.5	9.0	13.6





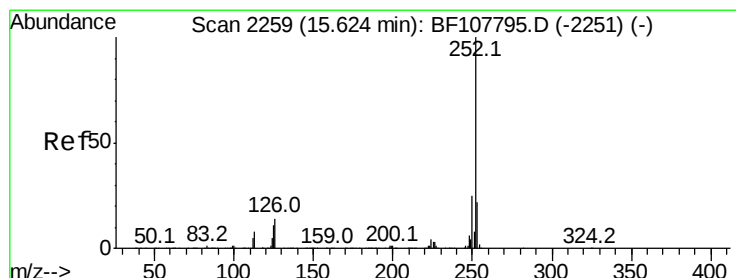
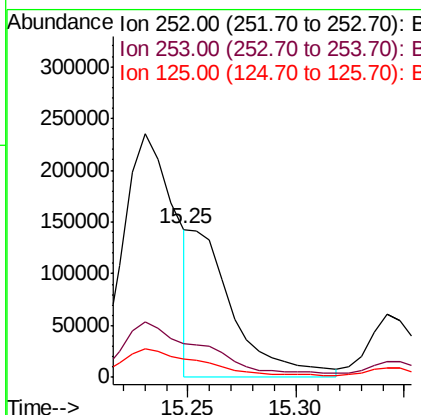
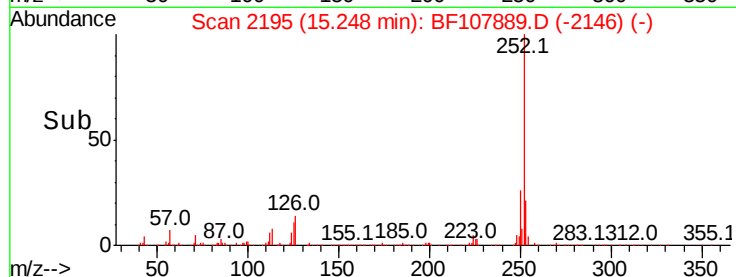
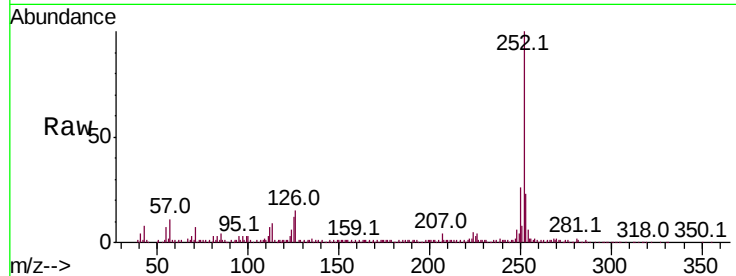
#88
Benzo(k)fluoranthene
Concen: 7.284 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF107889.D
Acq: 1 Aug 2018 15:20

Instrument :
BNA_F
ClientSampleId :
DUP-072518

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	12.2	10.2	15.2

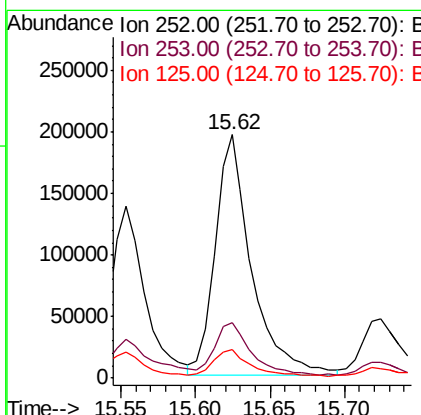
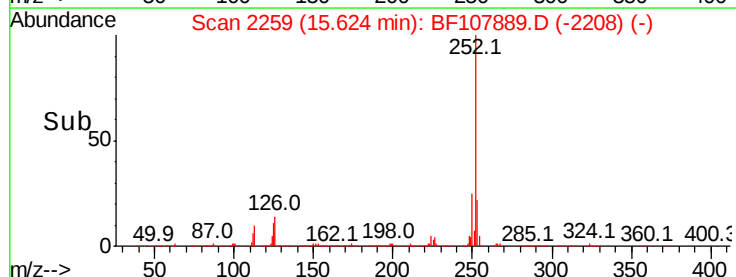
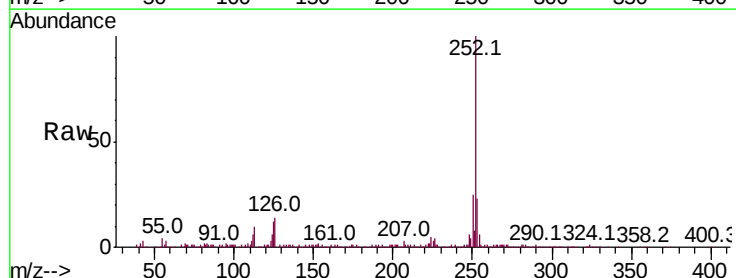
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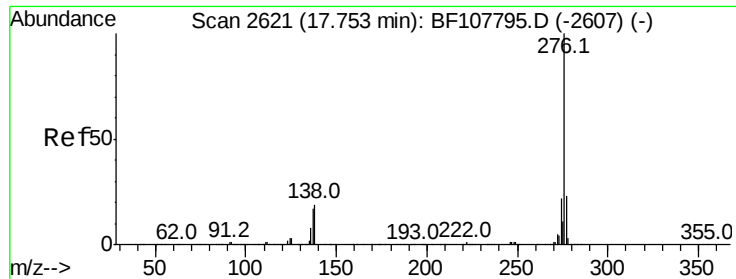
Sohil
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#89
Benzo(a)pyrene
Concen: 14.649 ng
RT: 15.62 min Scan# 2259
Delta R.T. 0.00 min
Lab File: BF107889.D
Acq: 1 Aug 2018 15:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	11.8	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 8.008 ng
 RT: 17.75 min Scan# 2621
 Delta R.T. 0.00 min
 Lab File: BF107889.D
 Acq: 1 Aug 2018 15:20

Instrument :
 BNA_F
 ClientSampleId :
 DUP-072518

Tot Ion:	276	Resp:	153992
Ion Ratio		Lower	Upper
276	100		
277	23.9	17.9	26.9
138	22.5	21.8	32.8

Manual Integrations
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