

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
 Data File : BF107623.D
 Acq On : 24 Jul 2018 17:11
 Operator : JU/SJ
 Sample : J4096-08 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 DW-10

Manual Integrations
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 7/25/2018 12:58:23 PM

Quant Time: Jul 25 03:34:24 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	256444	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	1004578	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	397144	20.00	ng	-0.01
63) Phenanthrene-d10	11.51	188	691259	20.00	ng	0.00
75) Chrysene-d12	14.16	240	488226	20.00	ng	0.00
86) Perylene-d12	15.70	264	432652	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	651647	40.86	ng	0.00
7) Phenol-d6	6.60	99	800310	41.79	ng	-0.01
23) Nitrobenzene-d5	7.53	82	460805	30.96	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	168254	37.26	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	806332	27.25	ng	-0.02
78) Terphenyl-d14	13.09	244	619867	32.50	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.71	163	71432	2.387	ng	99
57) Fluorene	10.56	166	137533	5.261	ng	93
70) Phenanthrene	11.53	178	1889499	56.093	ng	98
71) Anthracene	11.58	178	423020	12.473	ng	99
72) Carbazole	11.74	167	86352	2.448	ng	96
74) Fluoranthene	12.73	202	2204801	60.996	ng	96
77) Pyrene	12.96	202	1698405	50.858	ng	99
80) Benzo(a)anthracene	14.15	228	518998	18.140	ng	98
82) Chrysene	14.19	228	701852	25.537	ng	98
83) Bis(2-ethylhexyl)phthalate	14.11	149	333183	16.442	ng	99
85) Indeno(1,2,3-cd)pyrene	17.28	276	265143	11.383	ng	# 88
87) Benzo(b)fluoranthene	15.24	252	716973m	30.279	ng	
88) Benzo(k)fluoranthene	15.27	252	276362m	11.913	ng	
89) Benzo(a)pyrene	15.64	252	401432	18.534	ng	# 95
90) Dibenzo(a,h)anthracene	17.29	278	57861	3.090	ng	# 74
91) Benzo(g,h,i)perylene	17.77	276	271875	14.721	ng	# 91

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

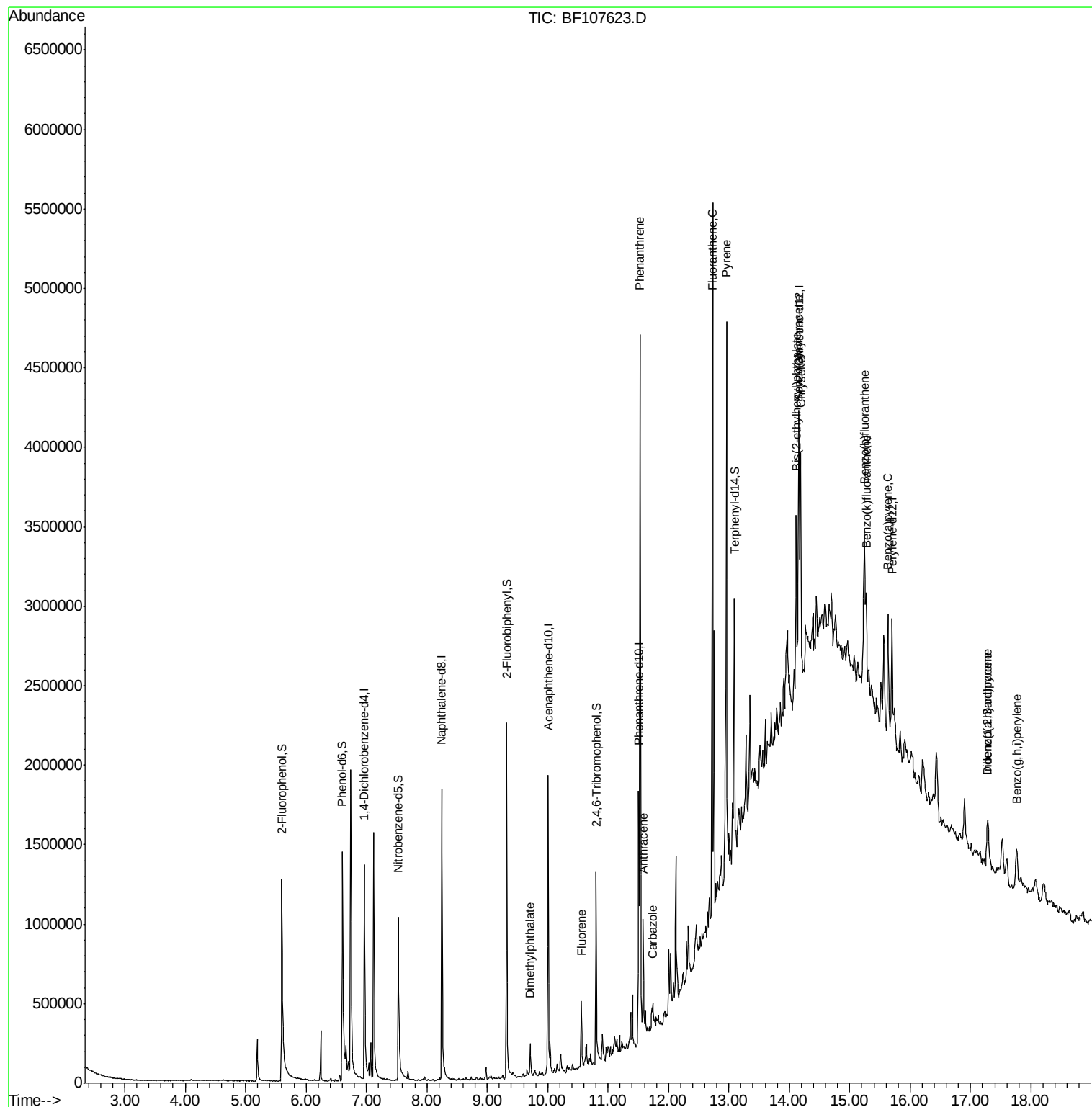
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
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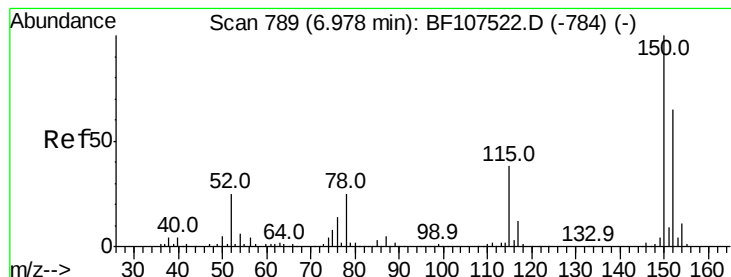
Instrument :
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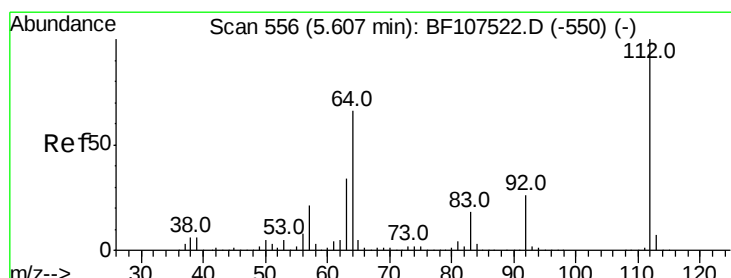
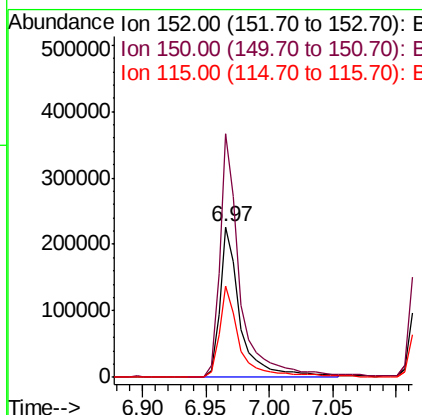
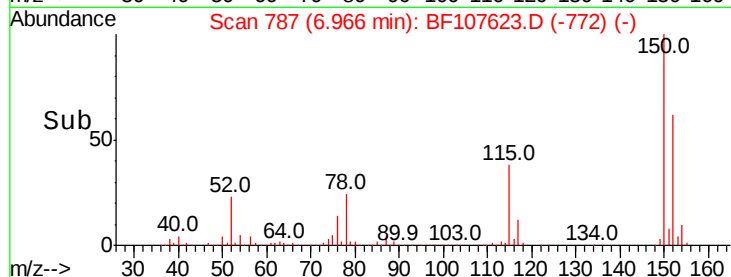
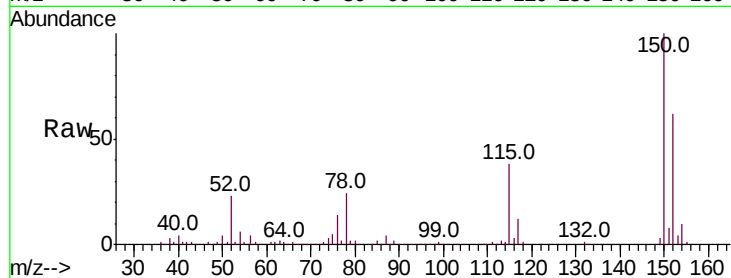
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 787
 Delta R.T. -0.01 min
 Lab File: BF107623.D
 Acq: 24 Jul 2018 17:11

Instrument :
 BNA_F
 ClientSampled :
 DW-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.6	124.6	186.8
115	60.9	50.1	75.1

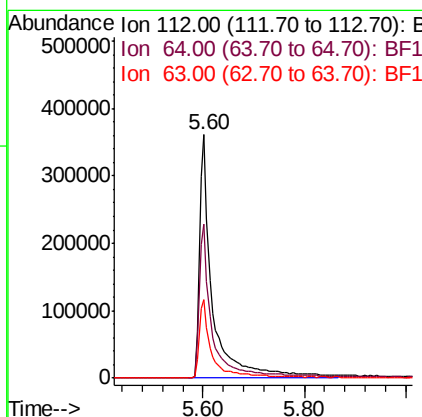
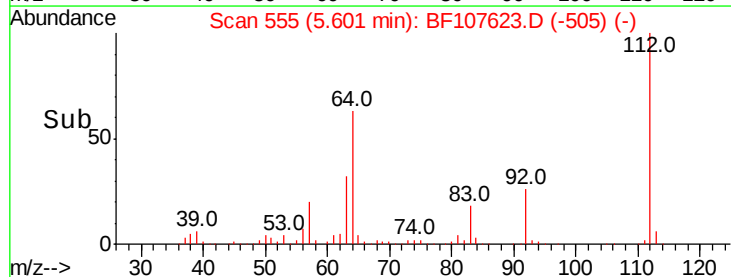
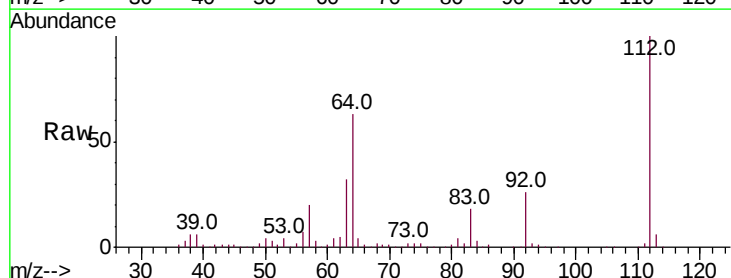
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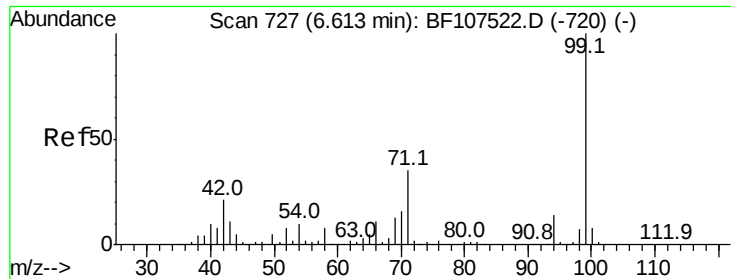
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#5
 2-Fluorophenol
 Concen: 40.856 ng
 RT: 5.60 min Scan# 555
 Delta R.T. -0.01 min
 Lab File: BF107623.D
 Acq: 24 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.4	47.9	71.9
63	32.3	23.7	35.5





#7

Phenol-d6

Concen: 41.788 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107623.D

Acq: 24 Jul 2018 17:11

Instrument :

BNA_F

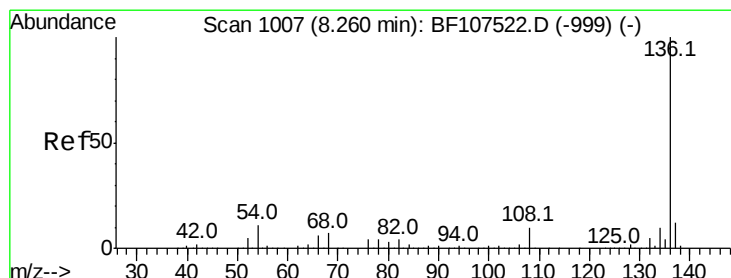
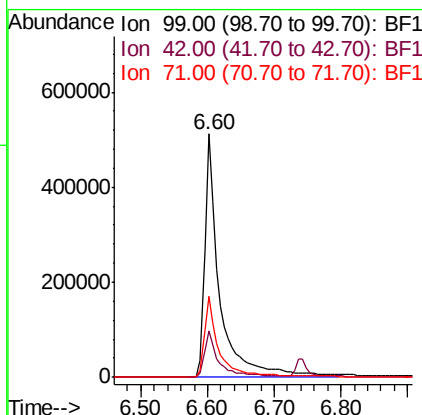
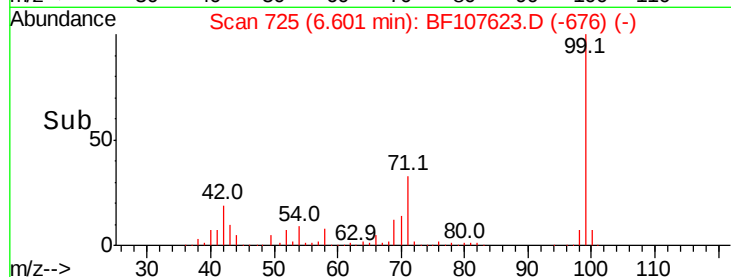
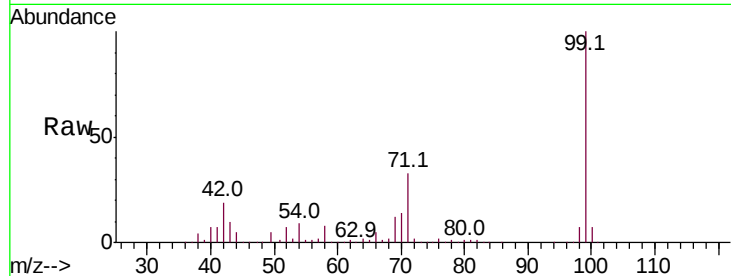
ClientSampleId :

DW-10

Tot Ion:	99	Resp:	800310
Ion Ratio	Lower	Upper	
99	100		
42	19.1	14.5	21.7
71	33.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

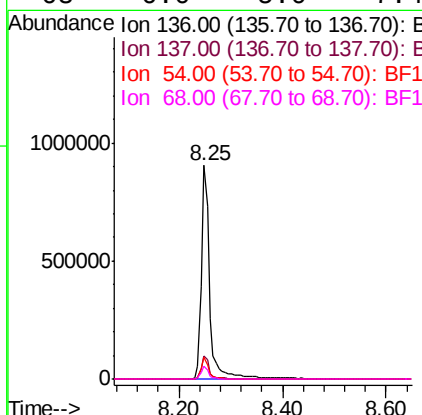
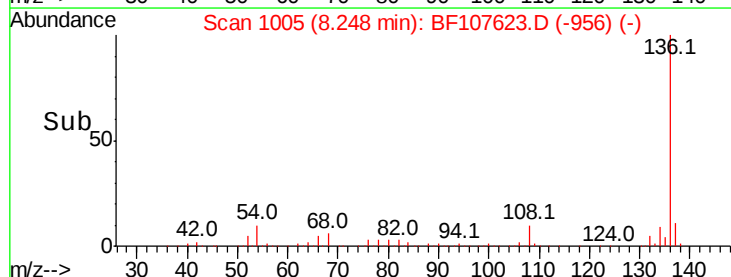
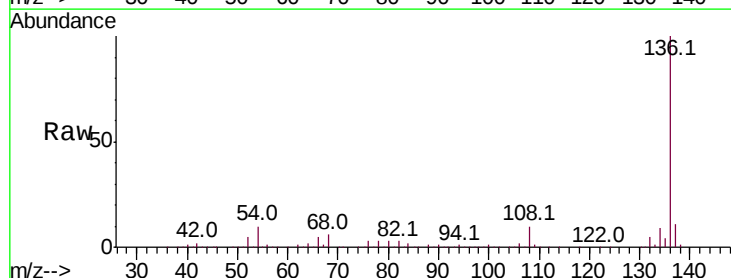
RT: 8.25 min Scan# 1005

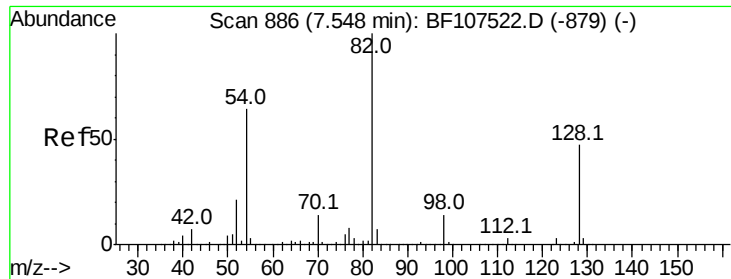
Delta R.T. -0.01 min

Lab File: BF107623.D

Acq: 24 Jul 2018 17:11

Tgt Ion:	136	Resp:	1004578
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	10.1	6.6	9.8
68	6.0	5.0	7.4





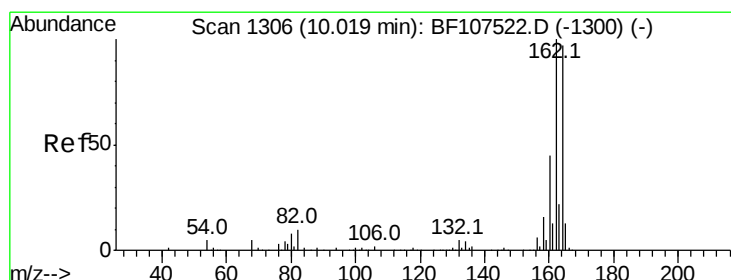
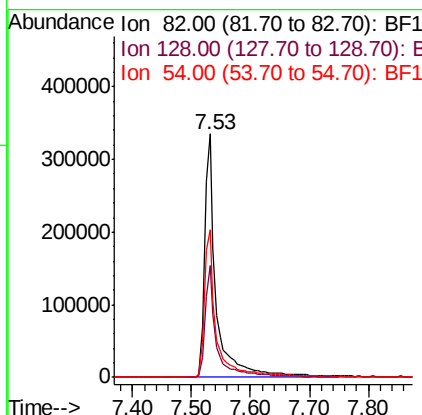
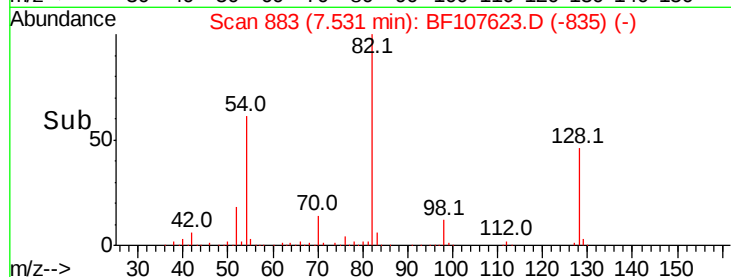
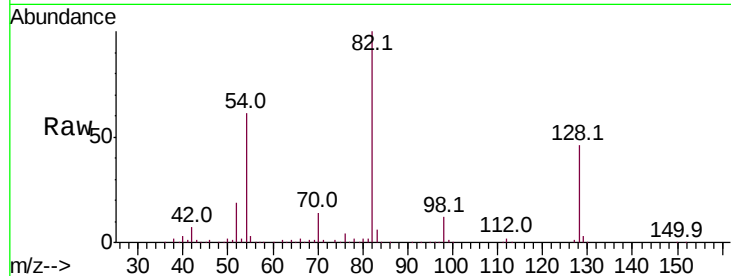
#23
Nitrobenzene-d5
Concen: 30.957 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107623.D
Acq: 24 Jul 2018 17:11

Instrument :
BNA_F
ClientSampled :
DW-10

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.1	54.1
54	60.9	41.4	62.2

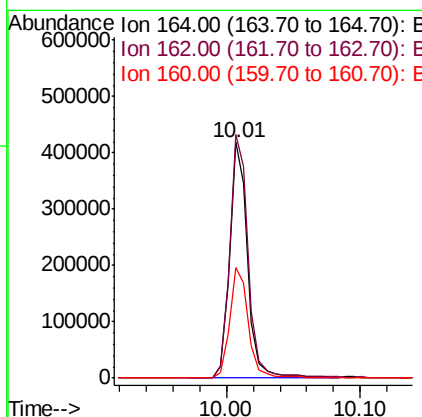
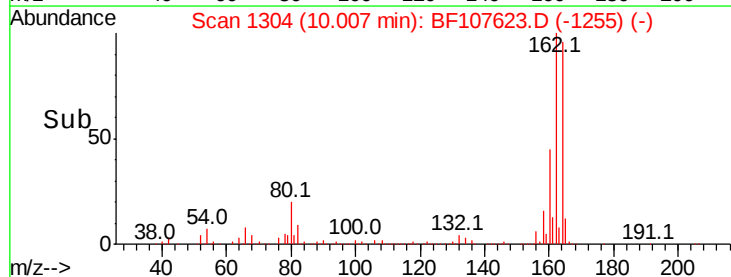
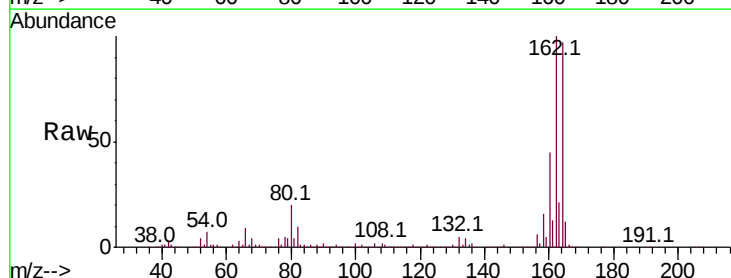
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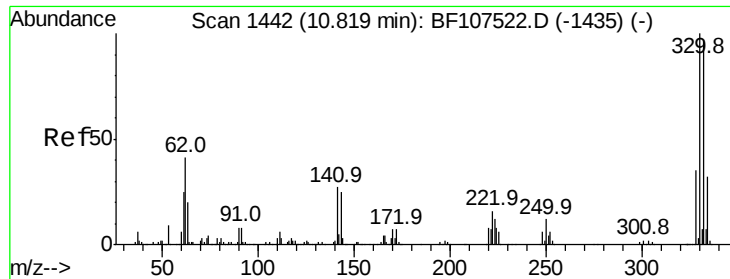
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF107623.D
Acq: 24 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	86.1	129.1
160	46.6	38.3	57.5





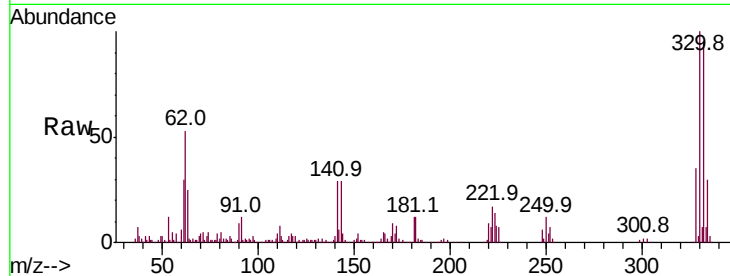
#41
 2,4,6-Tribromophenol
 Concen: 37.256 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107623.D
 Acq: 24 Jul 2018 17:11

Instrument :
 BNA_F
 ClientSampled :
 DW-10

Tot Ion	Ratio	Resp	Lower	Upper
330	100	168254		
332	94.9	77.0	115.6	
141	29.9	29.9	44.9	

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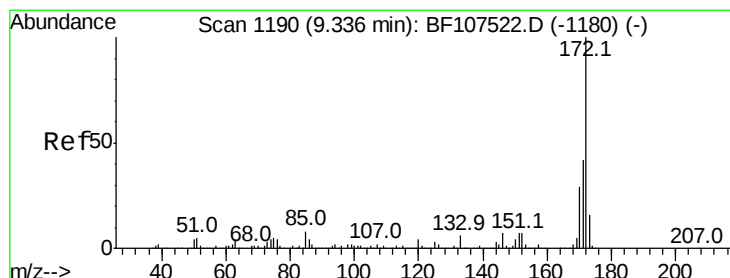
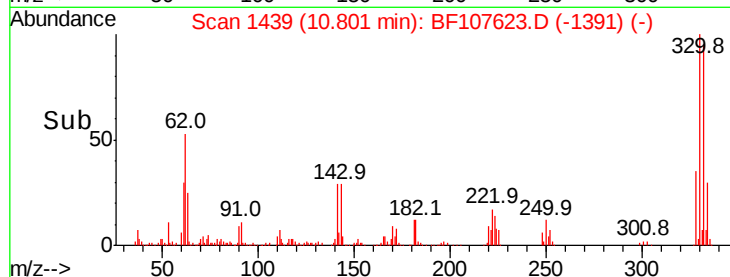
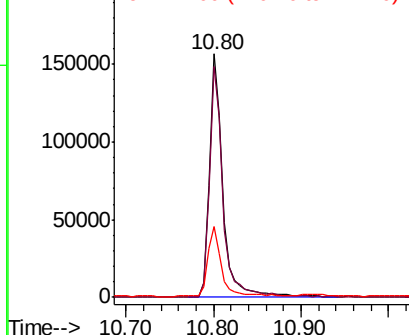


Abundance

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: 27.246 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: BF107623.D
 Acq: 24 Jul 2018 17:11

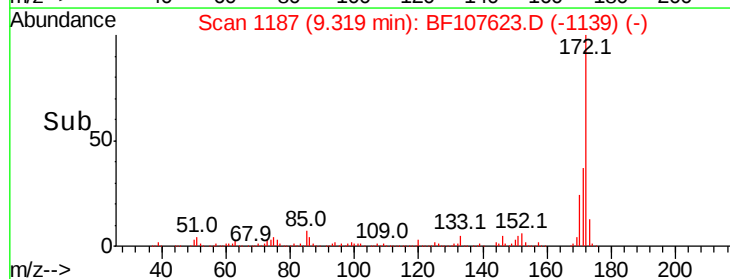
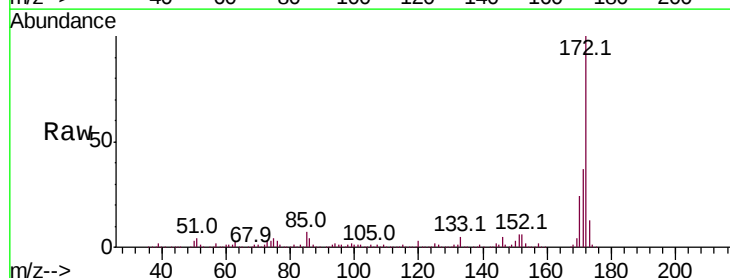
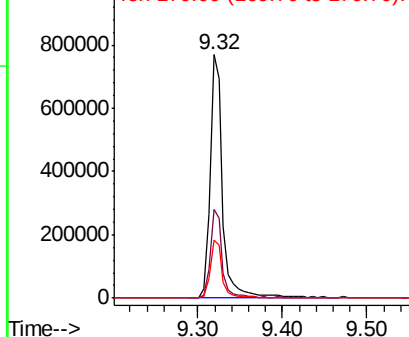
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	806332		
171	36.5	29.7	44.5	
170	23.6	19.6	29.4	

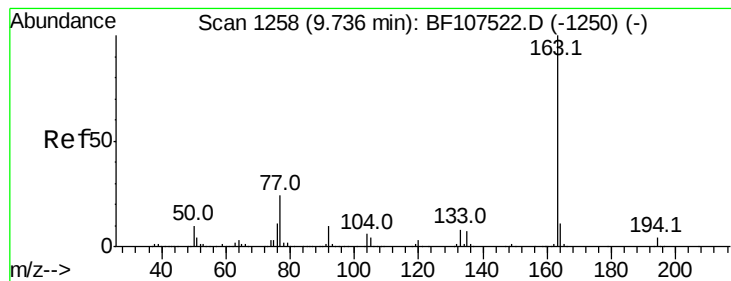
Abundance

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: 2.387 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF107623.D

Acq: 24 Jul 2018 17:11

Instrument :

BNA_F

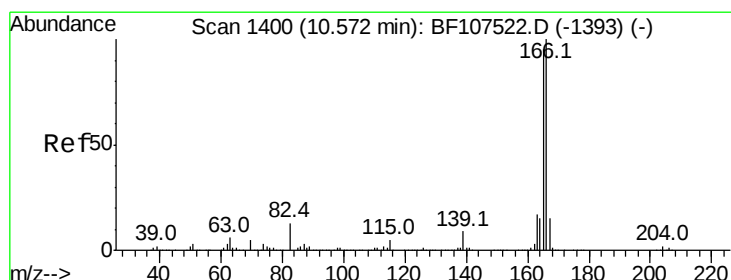
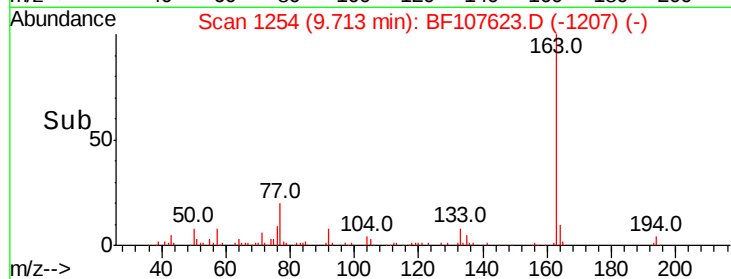
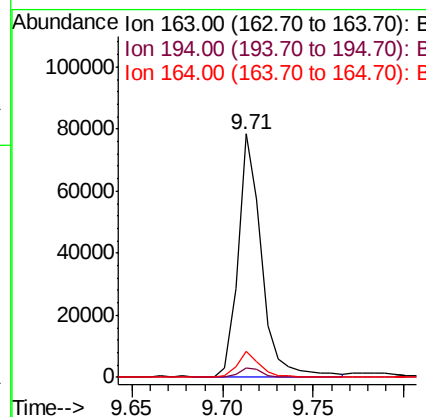
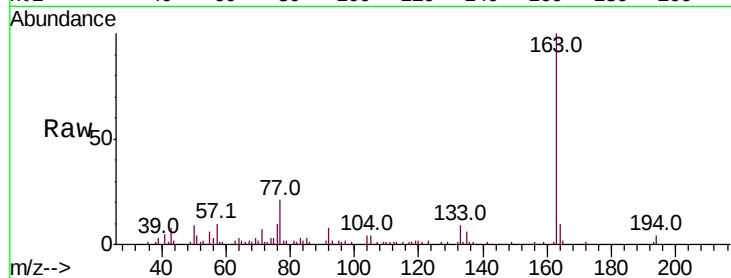
ClientSampled :

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Tot Ion:	163	Resp:	71432
Ion Ratio	Lower	Upper	
163	100		
194	3.9	2.7	4.1
164	10.4	8.2	12.2

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#57

Fluorene

Concen: 5.261 ng

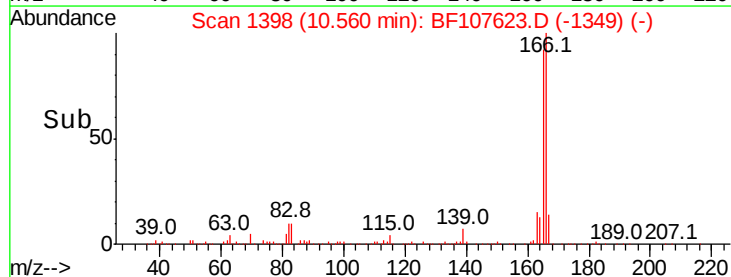
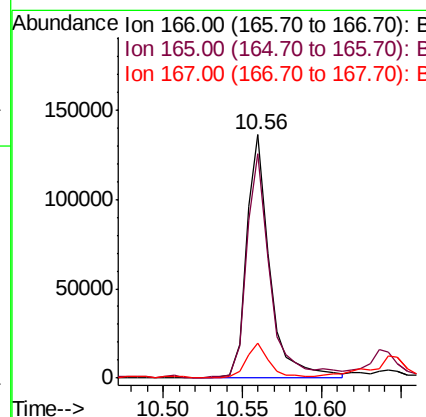
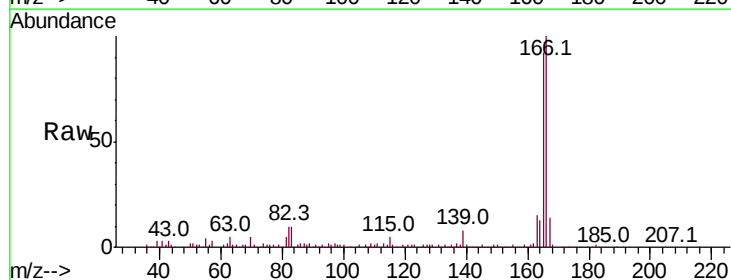
RT: 10.56 min Scan# 1398

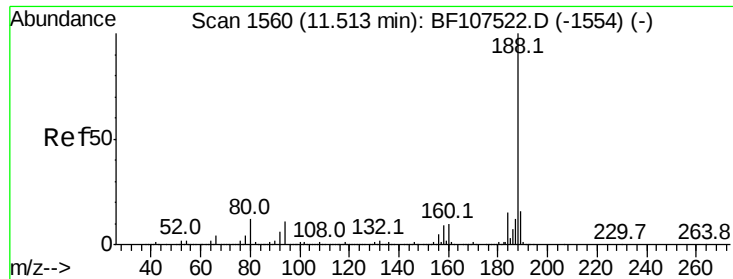
Delta R.T. -0.01 min

Lab File: BF107623.D

Acq: 24 Jul 2018 17:11

Tgt Ion:	166	Resp:	137533
Ion Ratio	Lower	Upper	
166	100		
165	92.0	79.8	119.8
167	14.2	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF107623.D

Acq: 24 Jul 2018 17:11

Instrument :

BNA_F

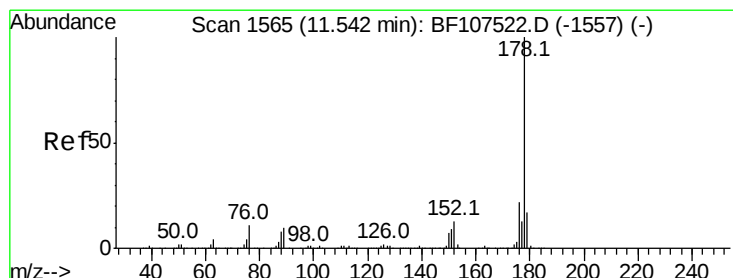
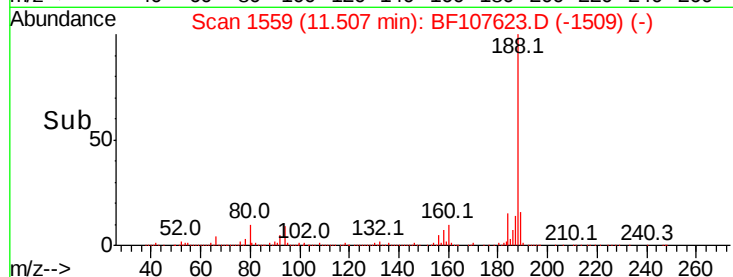
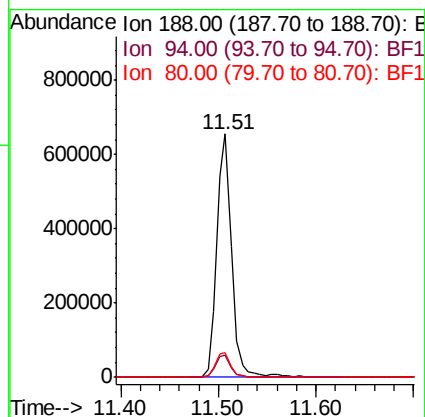
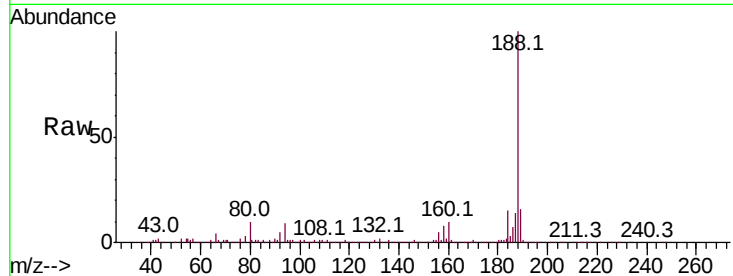
ClientSampleId :

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Tot Ion:188	Resp: 691259
Ion Ratio	Lower Upper
188 100	
94 8.9	8.5 12.7
80 9.9	9.2 13.8

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#70

Phenanthrene

Concen: 56.093 ng

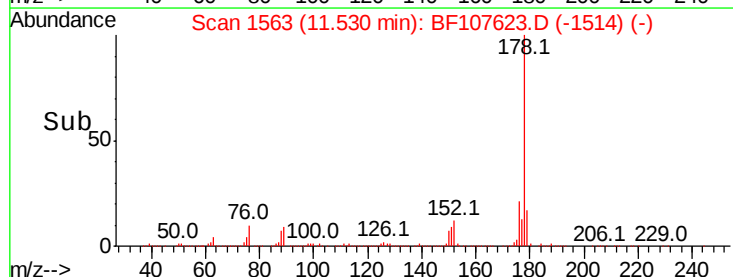
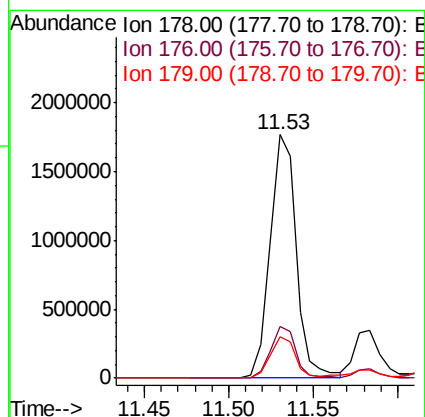
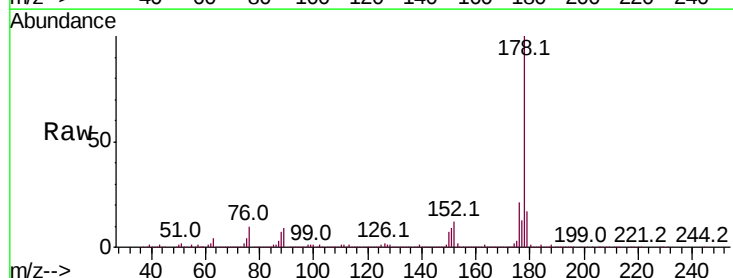
RT: 11.53 min Scan# 1563

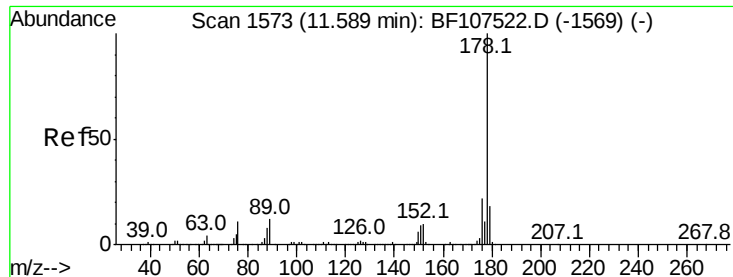
Delta R.T. -0.01 min

Lab File: BF107623.D

Acq: 24 Jul 2018 17:11

Tgt Ion:178	Resp: 1889499
Ion Ratio	Lower Upper
178 100	
176 21.1	15.8 23.8
179 16.8	13.0 19.6





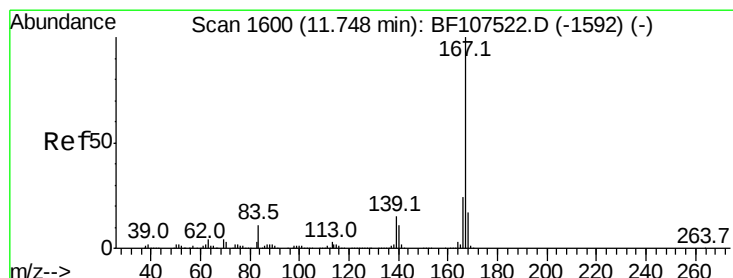
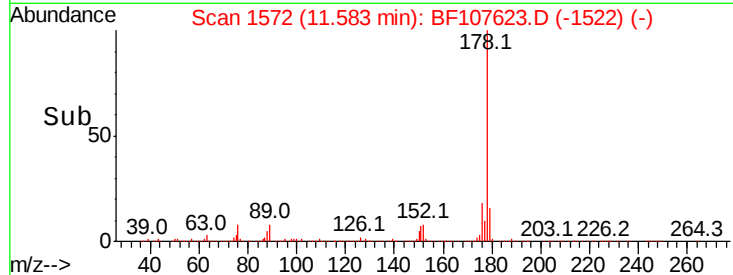
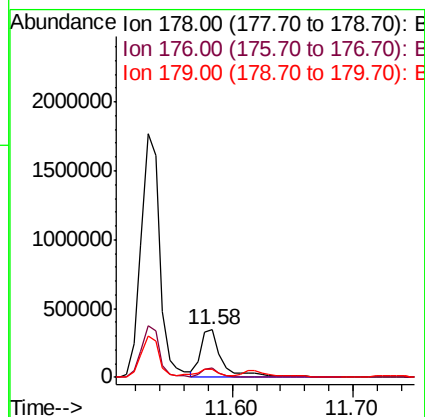
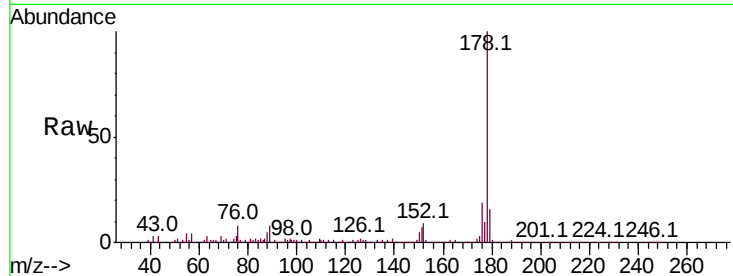
#71
 Anthracene
 Concen: 12.473 ng
 RT: 11.58 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF107623.D
 Acq: 24 Jul 2018 17:11

Instrument :
 BNA_F
 ClientSampleId :
 DW-10

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	16.2	12.6	19.0

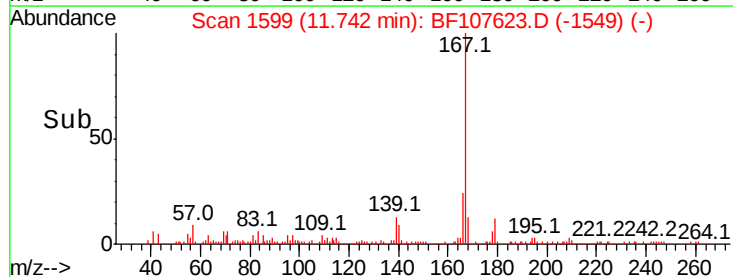
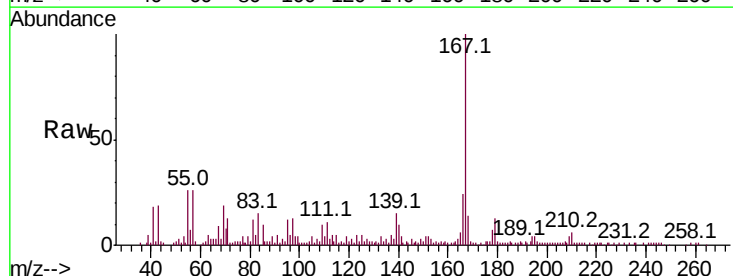
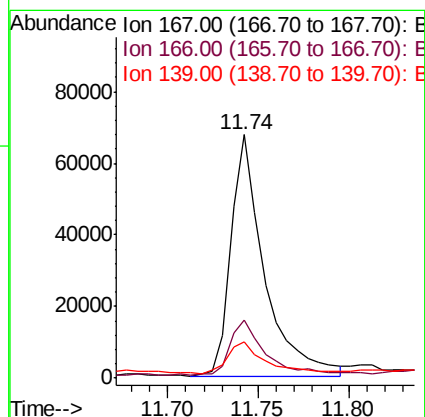
Manual Integrations
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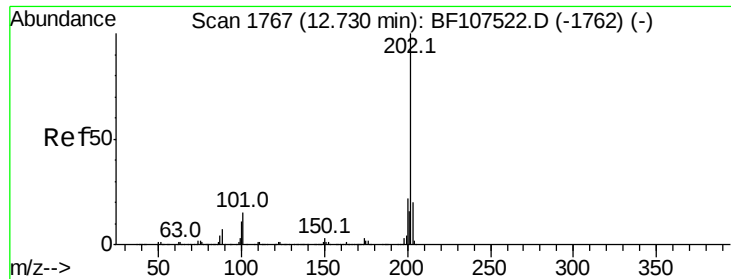
Sohil
 7/25/2018 12:58:23 PM



#72
 Carbazole
 Concen: 2.448 ng
 RT: 11.74 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF107623.D
 Acq: 24 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.0	17.6	26.4
139	14.7	10.9	16.3





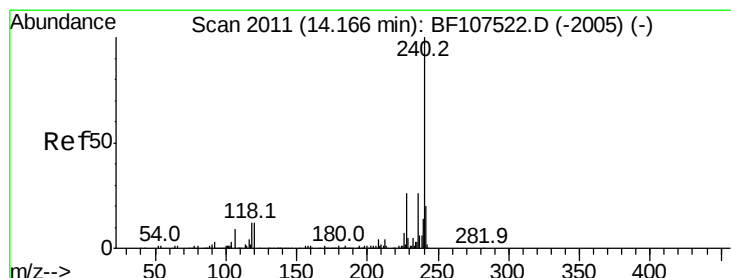
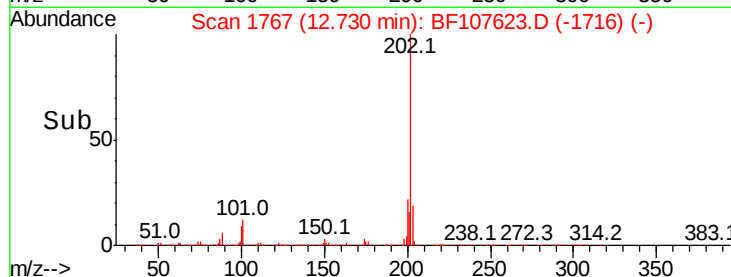
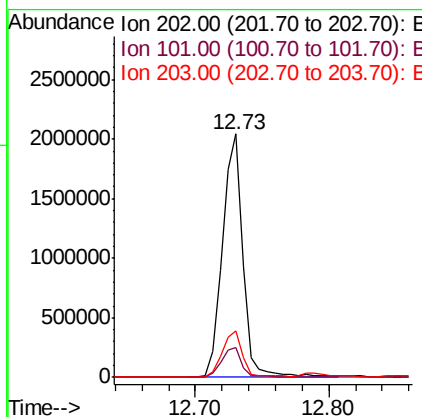
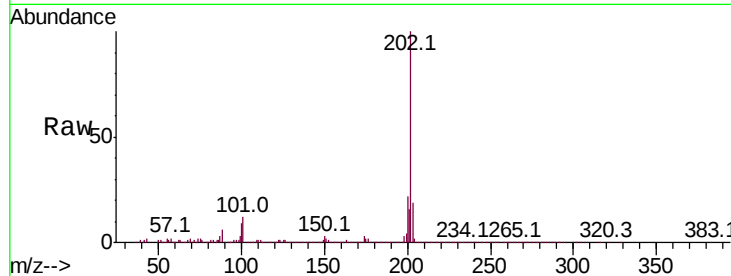
#74
Fluoranthene
Concen: 60.996 ng
RT: 12.73 min Scan# 1767
Delta R.T. 0.00 min
Lab File: BF107623.D
Acq: 24 Jul 2018 17:11

Instrument :
BNA_F
ClientSampleId :
DW-10

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.1
203	19.2	0.0	38.1

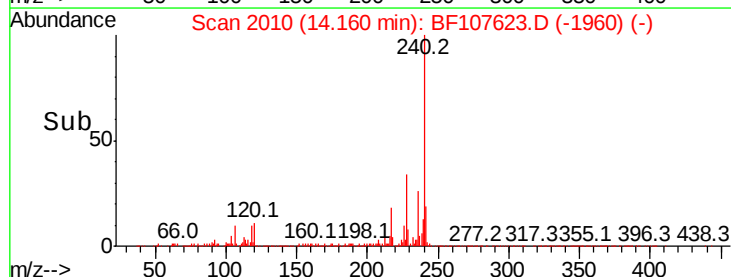
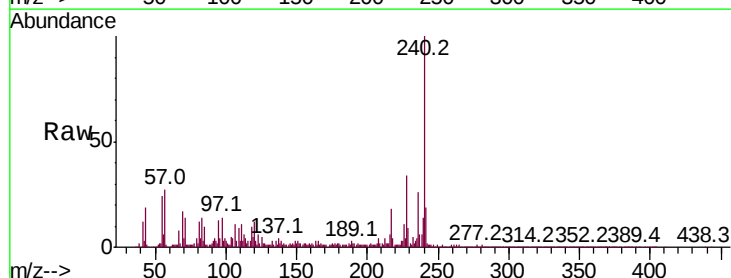
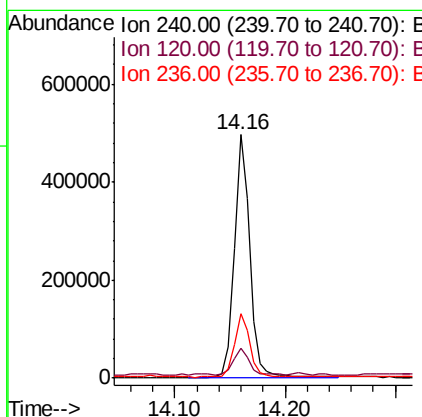
Manual Integrations
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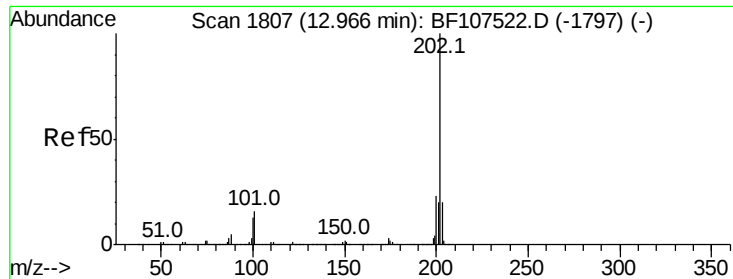
Sohil
7/25/2018 12:58:23 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF107623.D
Acq: 24 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.5	14.3
236	26.3	20.7	31.1





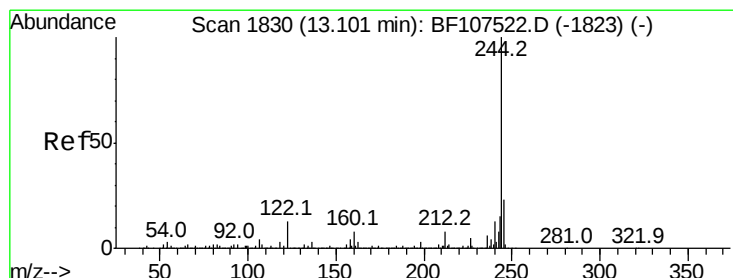
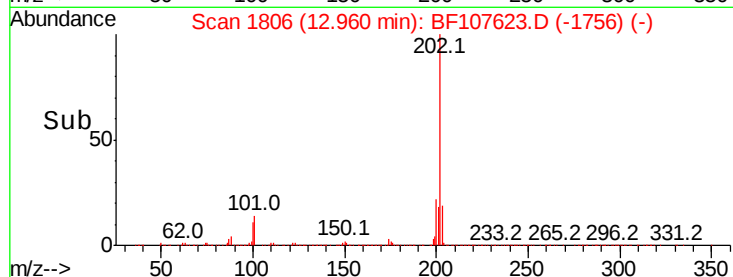
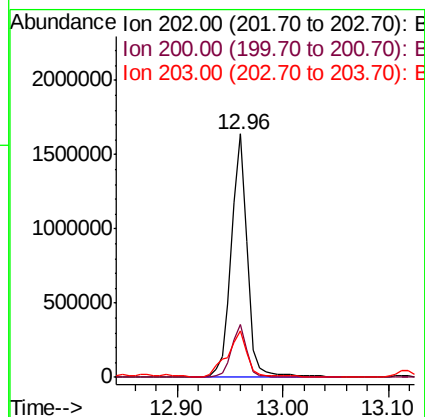
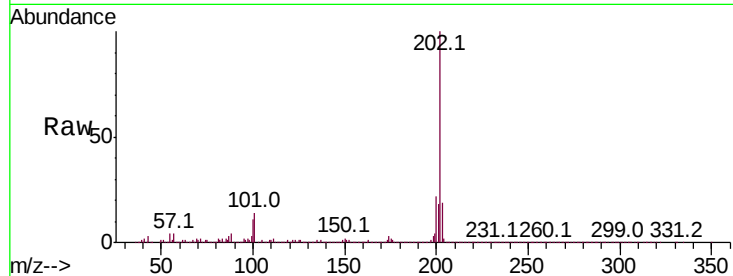
#77
Pvrene
Concen: 50.858 ng
RT: 12.96 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BF107623.D
Acq: 24 Jul 2018 17:11

Instrument :
BNA_F
ClientSampleId :
DW-10

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	19.1	14.3	21.5

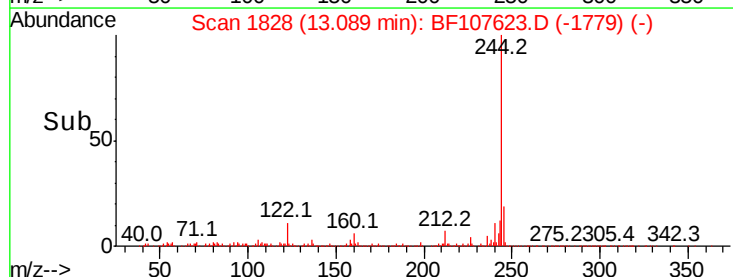
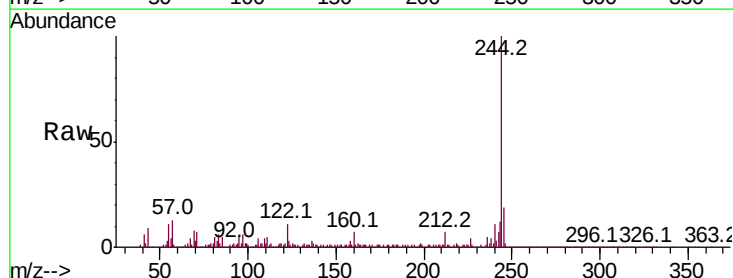
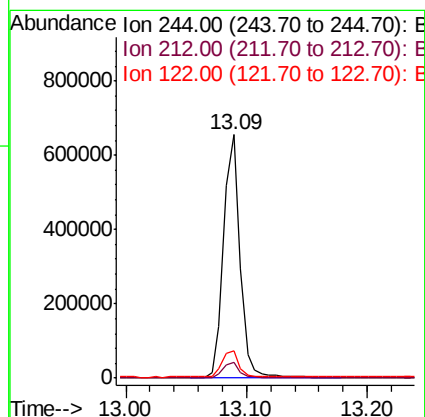
Manual Integrations
APPROVED

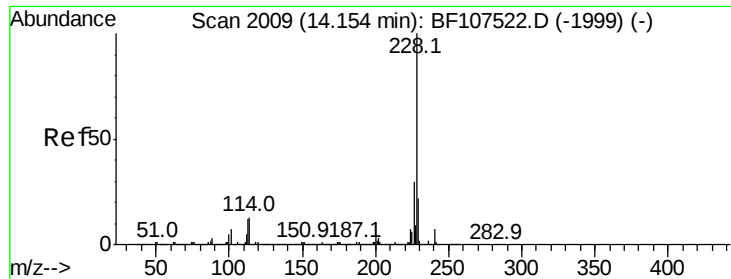
Sohil
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#78
Terphenyl-d14
Concen: 32.504 ng
RT: 13.09 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF107623.D
Acq: 24 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.1	11.0	16.4





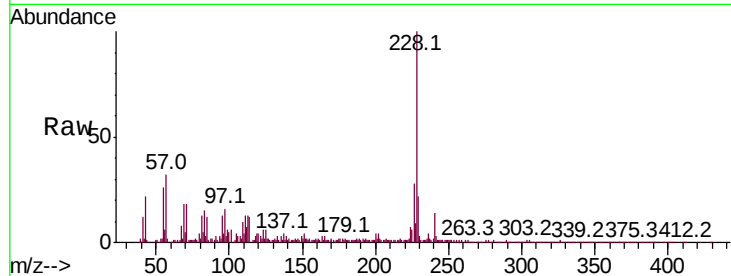
#80
Benzo(a)anthracene
Concen: 18.140 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF107623.D
Acq: 24 Jul 2018 17:11

Instrument :
BNA_F
ClientSampleId :
DW-10

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	21.8	15.8	23.6

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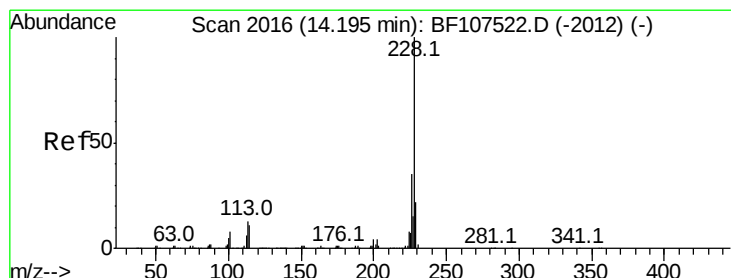
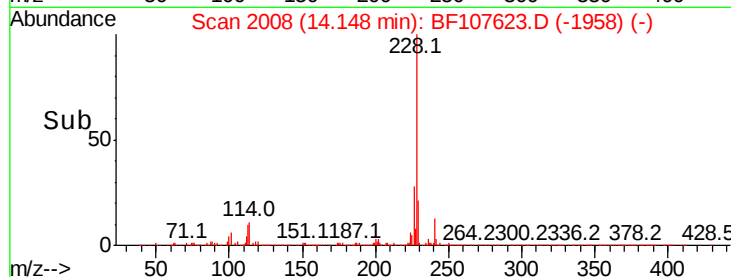
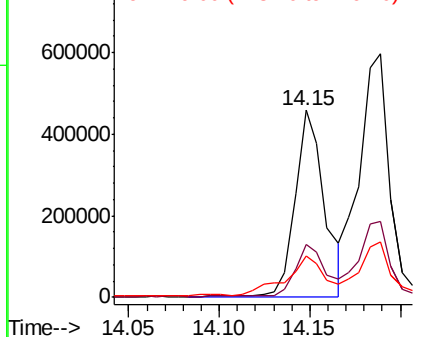


Abundance

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: 25.537 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF107623.D
Acq: 24 Jul 2018 17:11

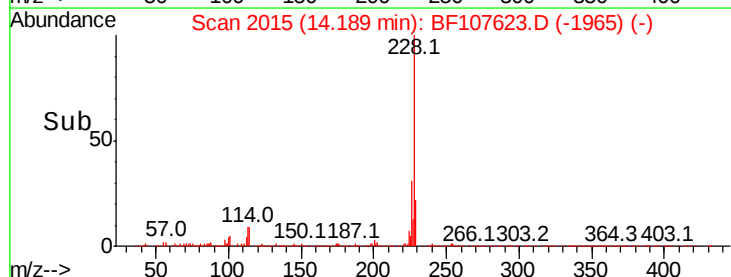
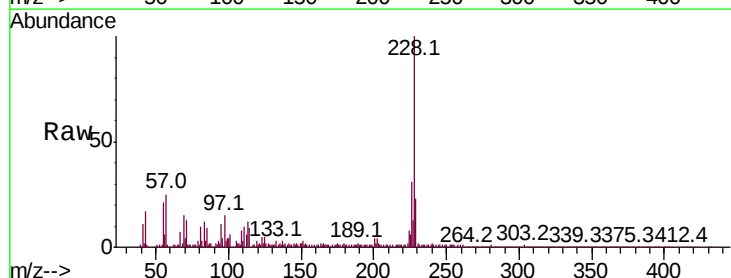
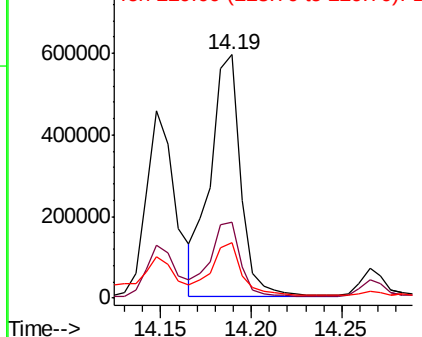
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	22.7	16.2	24.4

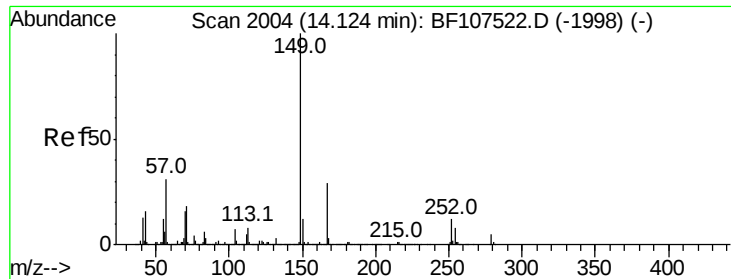
Abundance

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





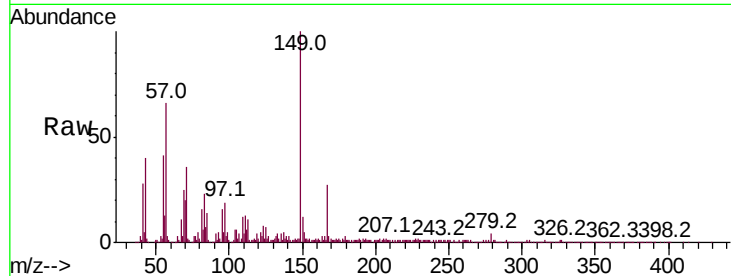
#83
Bis(2-ethylhexyl)phthalate
Concen: 16.442 ng
RT: 14.11 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF107623.D
Acq: 24 Jul 2018 17:11

Instrument :
BNA_F
ClientSampleId :
DW-10

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	26.8	21.3	31.9	
279	4.3	3.0	4.4	

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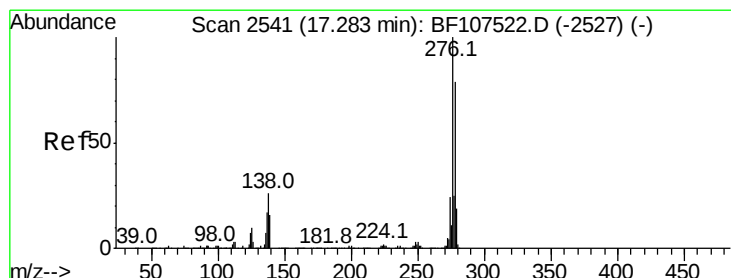
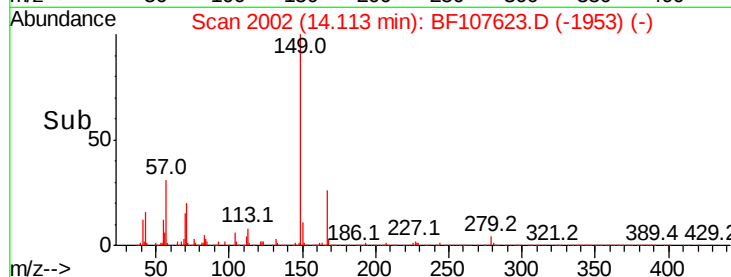
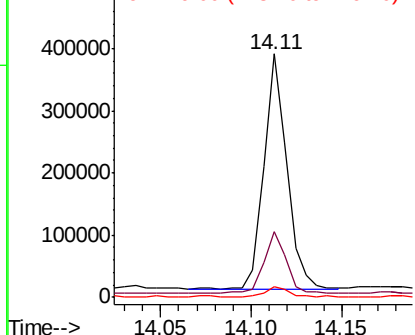


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85
Indeno(1,2,3-cd)pyrene
Concen: 11.383 ng
RT: 17.28 min Scan# 2541
Delta R.T. 0.00 min
Lab File: BF107623.D
Acq: 24 Jul 2018 17:11

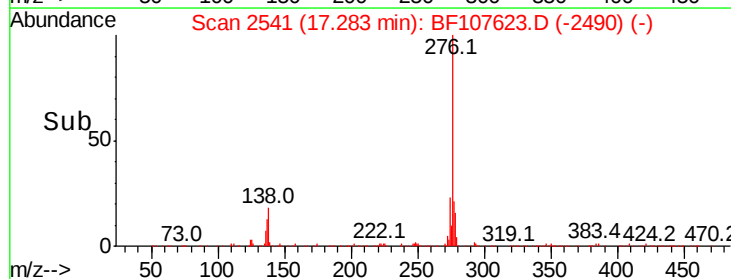
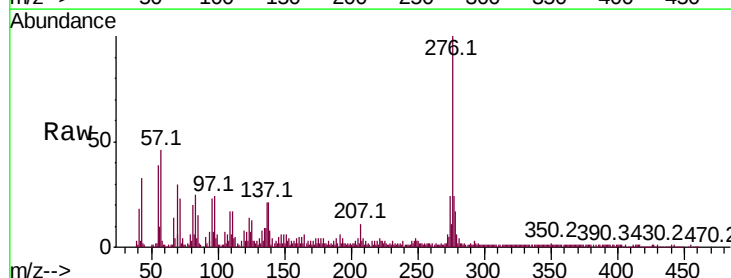
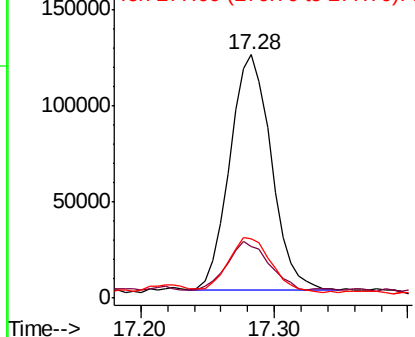
Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	20.3	25.0	37.6#	
277	24.5	20.1	30.1	

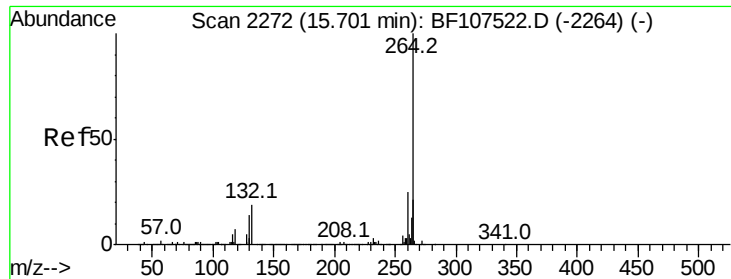
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





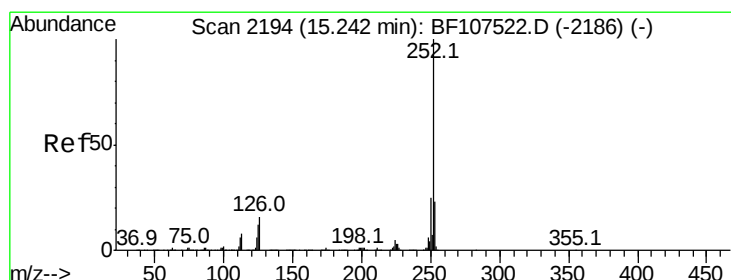
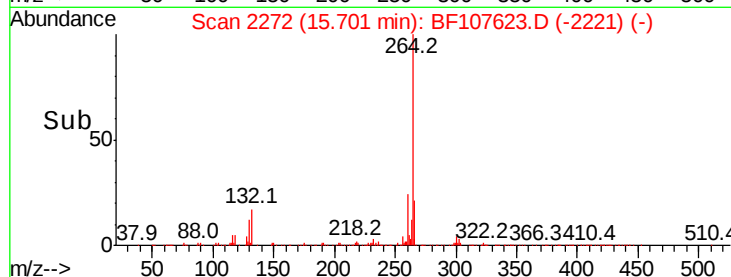
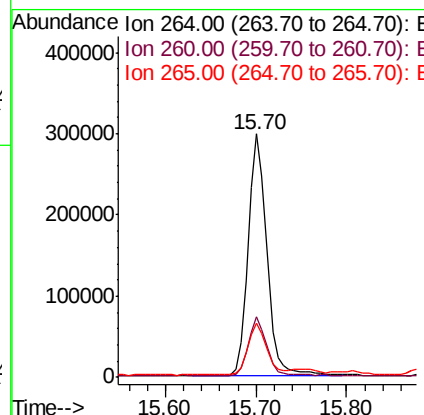
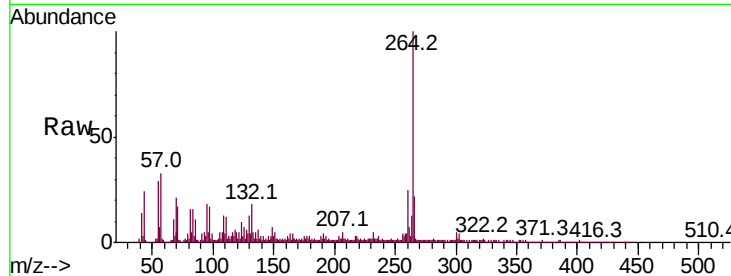
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. 0.00 min
Lab File: BF107623.D
Acq: 24 Jul 2018 17:11

Instrument :
BNA_F
ClientSampleId :
DW-10

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.2	17.5	26.3

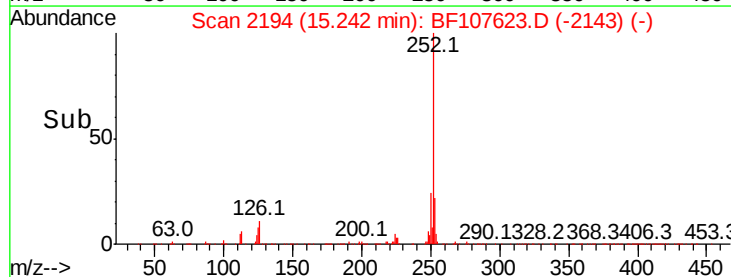
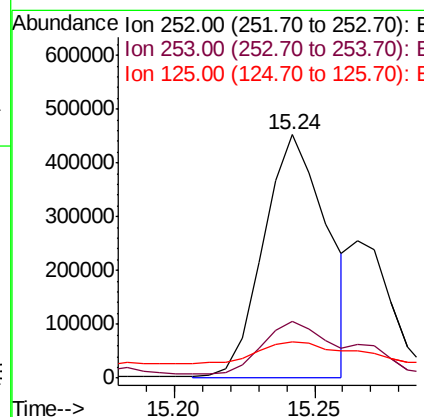
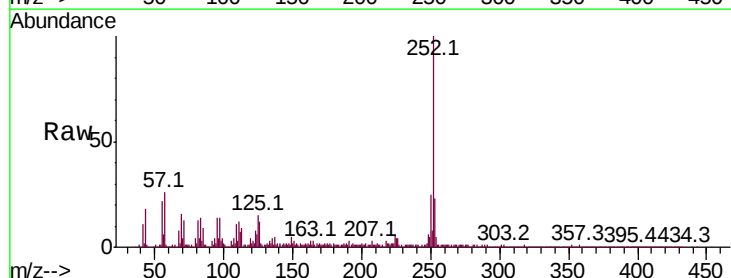
Manual Integrations
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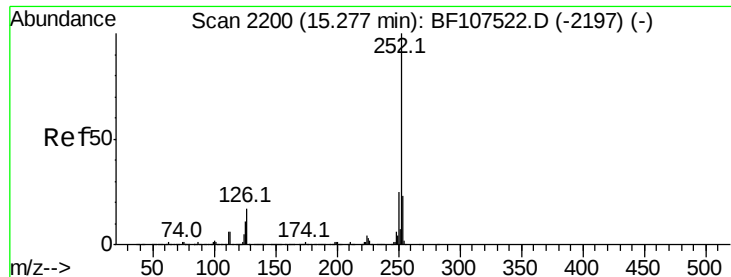
Sohil
7/25/2018 12:58:23 PM



#87
Benzo(b)fluoranthene
Concen: 30.279 ng m
RT: 15.24 min Scan# 2194
Delta R.T. 0.00 min
Lab File: BF107623.D
Acq: 24 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	14.8	9.0	13.6#





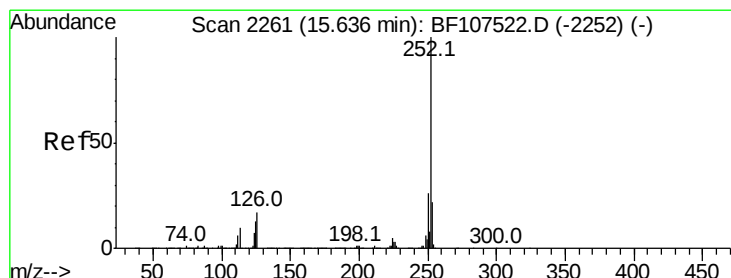
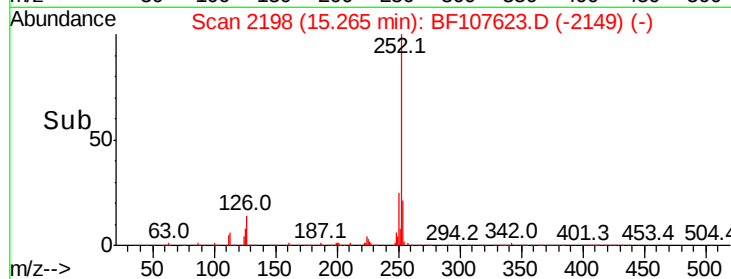
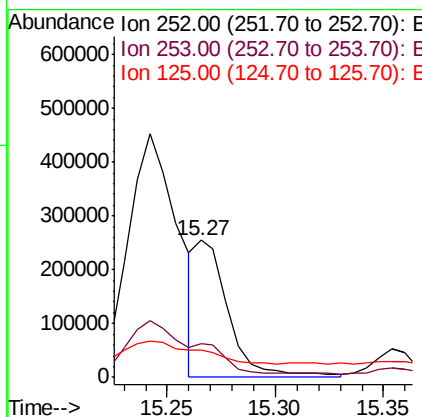
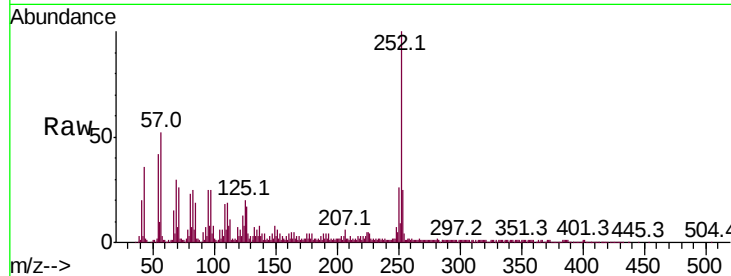
#88
Benzo(k)fluoranthene
Concen: 11.913 ng m
RT: 15.27 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF107623.D
Acq: 24 Jul 2018 17:11

Instrument :
BNA_F
ClientSampleId :
DW-10

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	20.0	10.2	15.2

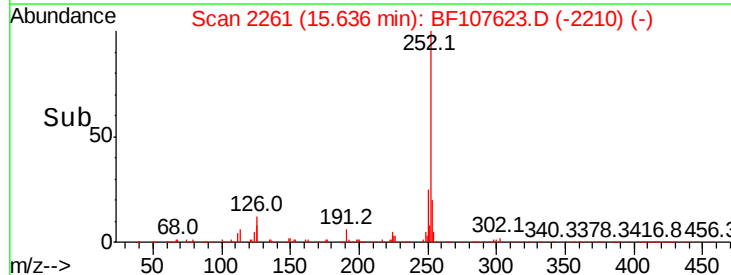
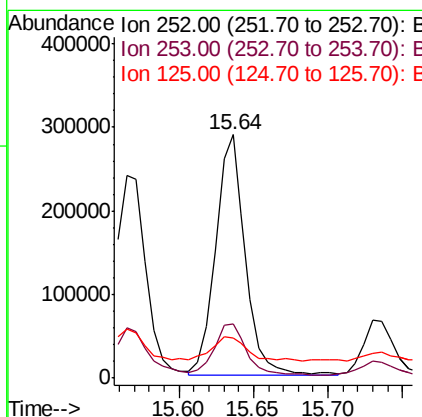
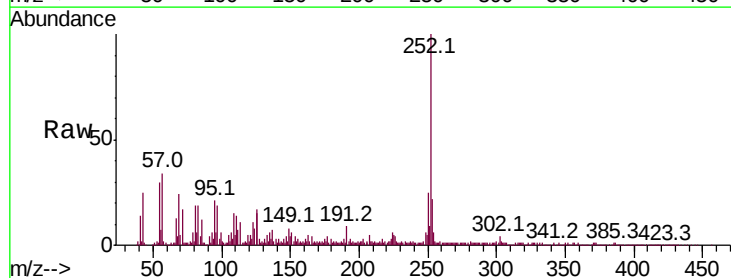
Manual Integrations
APPROVED

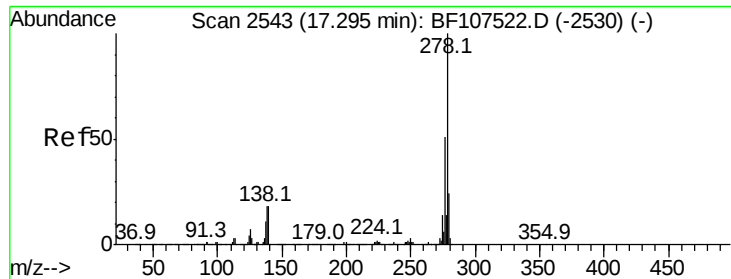
Sohil
7/25/2018 12:58:23 PM



#89
Benzo(a)pyrene
Concen: 18.534 ng
RT: 15.64 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF107623.D
Acq: 24 Jul 2018 17:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	16.6	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 3.090 ng

RT: 17.29 min Scan# 2542

Delta R.T. -0.01 min

Lab File: BF107623.D

Acq: 24 Jul 2018 17:11

Instrument :

BNA_F

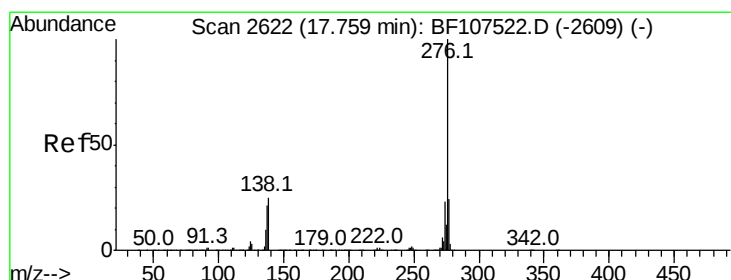
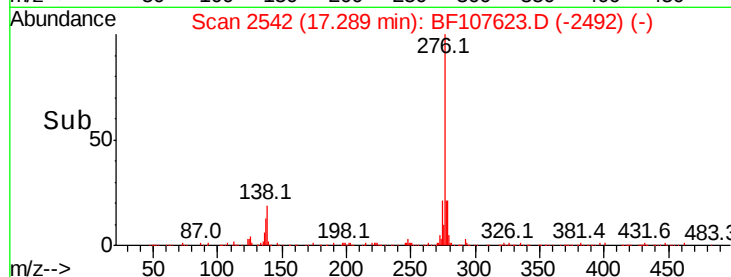
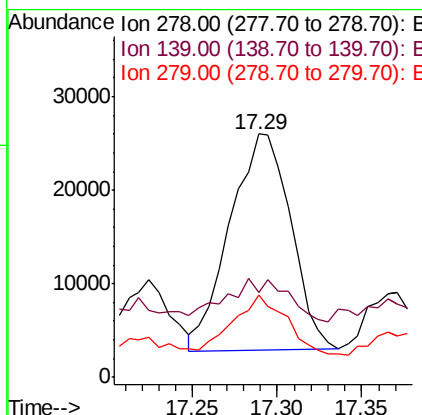
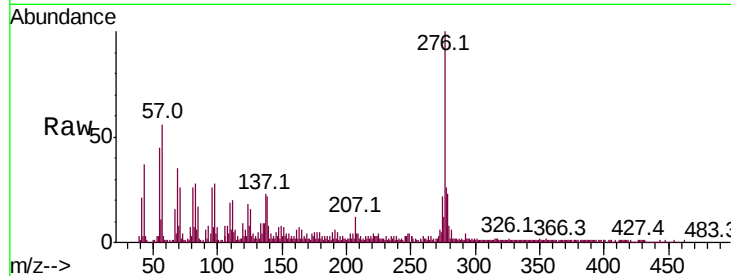
ClientSampleId :

DW-10

Tot Ion:	278	Resp:	57861
Ion Ratio	Lower	Upper	
278	100		
139	34.8	15.9	23.9#
279	33.9	19.0	28.4#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 14.721 ng

RT: 17.77 min Scan# 2623

Delta R.T. 0.01 min

Lab File: BF107623.D

Acq: 24 Jul 2018 17:11

Tgt Ion:	276	Resp:	271875
Ion Ratio	Lower	Upper	
276	100		
277	24.8	17.9	26.9
138	21.4	21.8	32.8#

