

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072718\
 Data File : BF107763.D
 Acq On : 27 Jul 2018 23:04
 Operator : JU/SJ
 Sample : J4095-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CON-BALLARDS-0-2

Manual Integrations
 APPROVED

Sohil
 7/30/2018 2:03:17 PM

Quant Time: Jul 28 03:42:16 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	6.96	152	168801	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	697908	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	277000	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	480407	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	420185	20.00	ng	-0.02
86) Perylene-d12	15.68	264	332206	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	842474	80.24	ng	-0.01
7) Phenol-d6	6.60	99	1048067	83.14	ng	-0.02
23) Nitrobenzene-d5	7.52	82	651593	63.01	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	248009	78.73	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	1183822	69.56	ng	-0.02
78) Terphenyl-d14	13.08	244	977691	59.57	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.71	163	119409	5.720	ng	98
70) Phenanthrene	11.52	178	113494	4.848	ng	98
74) Fluoranthene	12.71	202	351978	14.011	ng	95
77) Pyrene	12.94	202	349061	12.145	ng	97
80) Benzo(a)anthracene	14.14	228	208442	8.465	ng	97
82) Chrysene	14.17	228	168954	7.143	ng	97
85) Indeno(1,2,3-cd)pyrene	17.26	276	89418	4.460	ng	# 87
87) Benzo(b)fluoranthene	15.22	252	205735m	11.316	ng	
88) Benzo(k)fluoranthene	15.24	252	106133m	5.958	ng	
89) Benzo(a)pyrene	15.62	252	151061	9.083	ng	93
91) Benzo(g,h,i)perylene	17.74	276	93931	6.624	ng	# 90

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

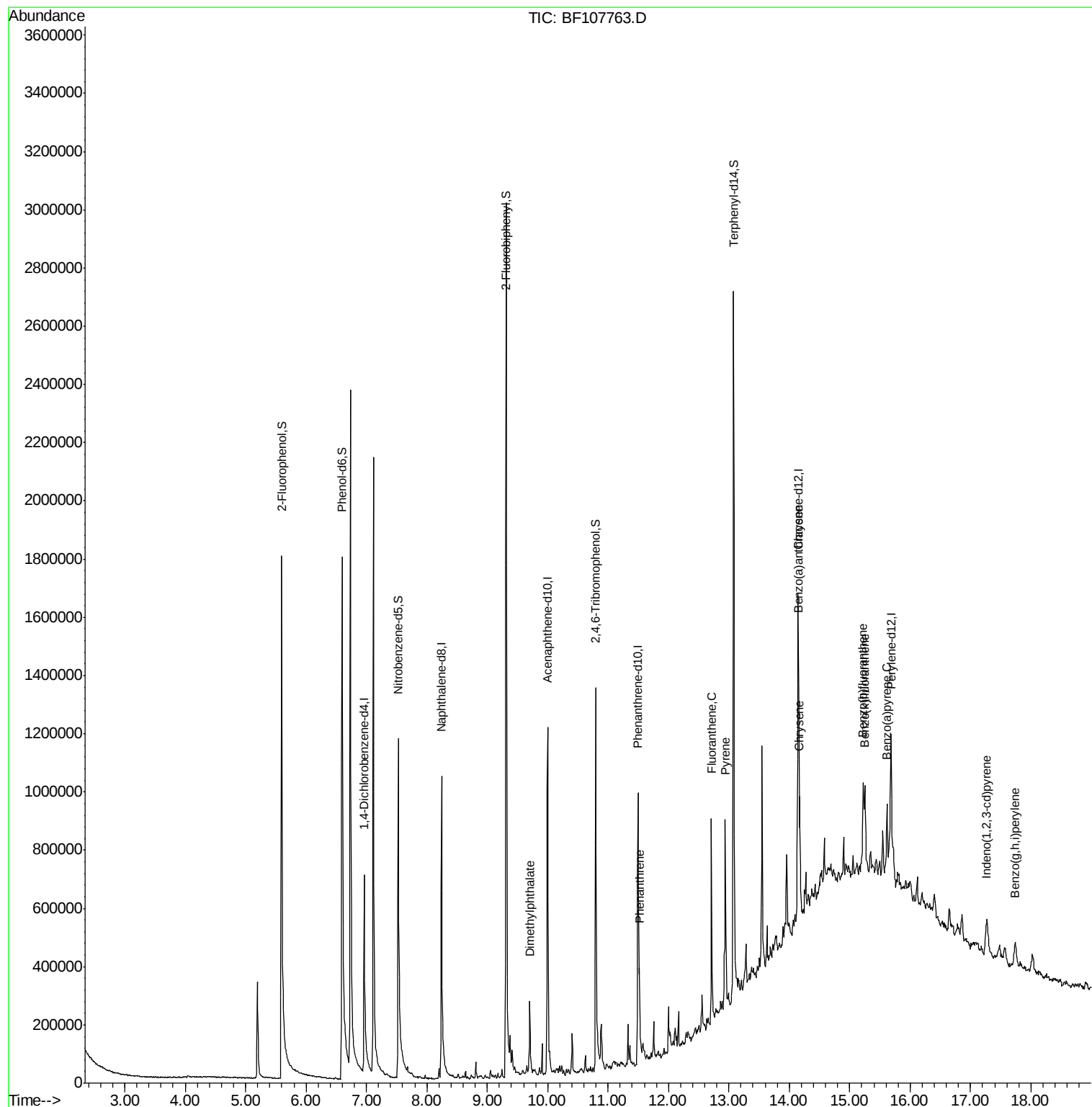
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072718\
Data File : BF107763.D
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Sample : J4095-03
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ALS Vial : 22 Sample Multiplier: 1

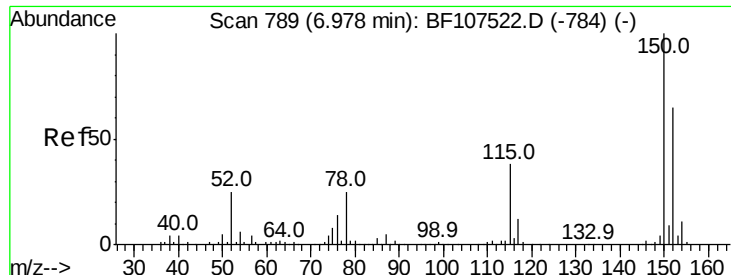
Instrument :
BNA_F
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#1

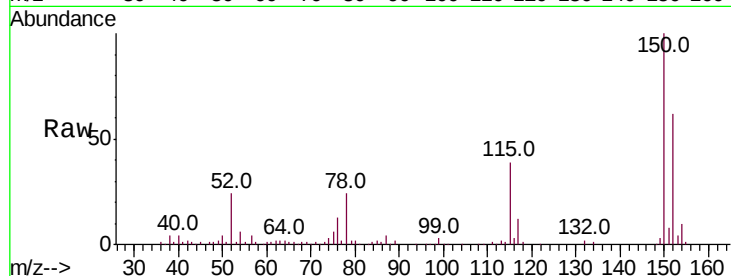
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF107763.D
Acq: 27 Jul 2018 23:04

Instrument :
BNA_F
ClientSampleId :
CON-BALLARDS-0-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.6	124.6	186.8
115	63.7	50.1	75.1

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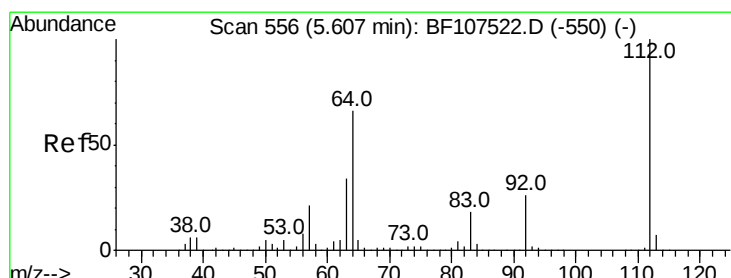
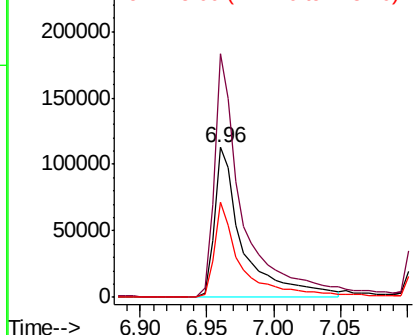
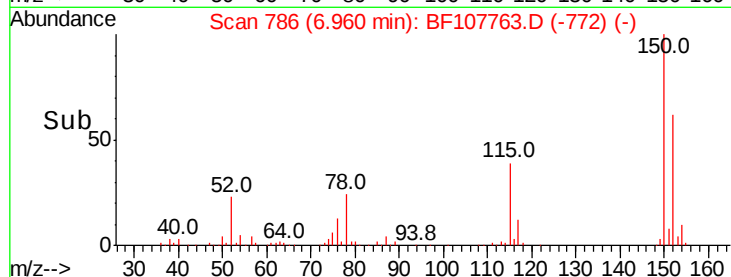


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

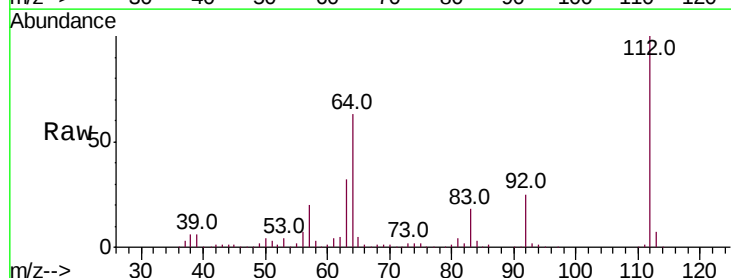
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 80.245 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107763.D
Acq: 27 Jul 2018 23:04

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

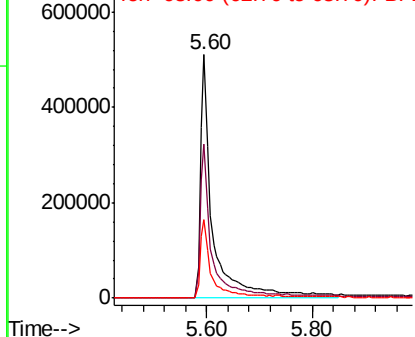
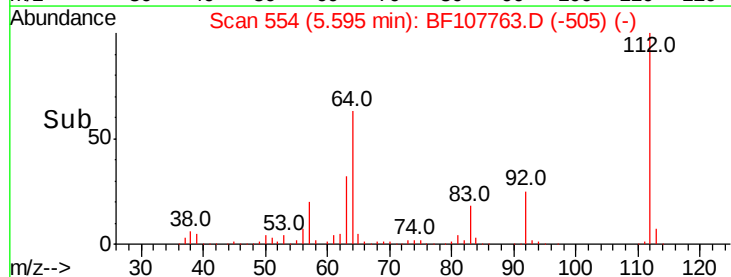


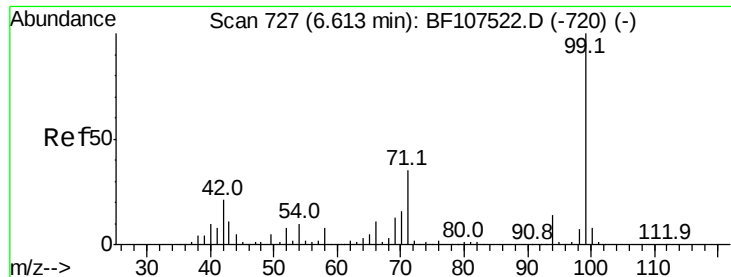
Abundance

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: 83.138 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107763.D

Acq: 27 Jul 2018 23:04

Instrument :

BNA_F

ClientSampleId :

CON-BALLARDS-0-2

Tot Ion: 99 Resp: 1048067

Ion Ratio Lower Upper

99 100

42 18.9 14.5 21.7

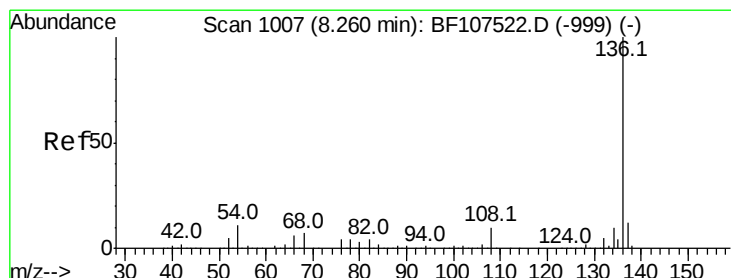
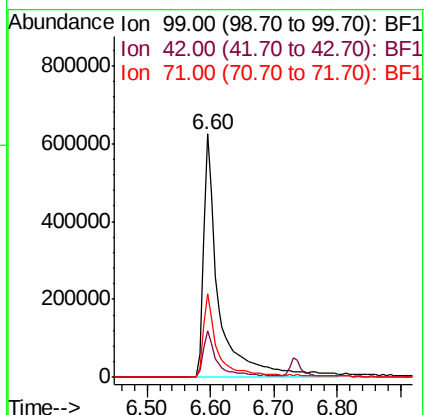
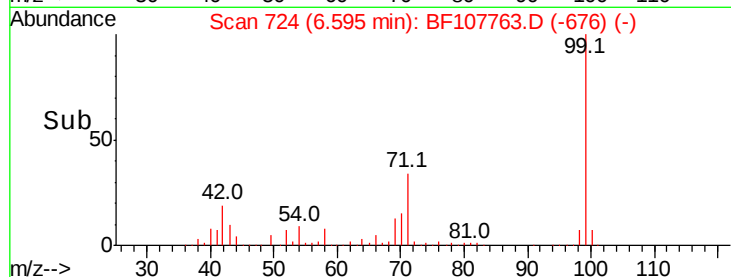
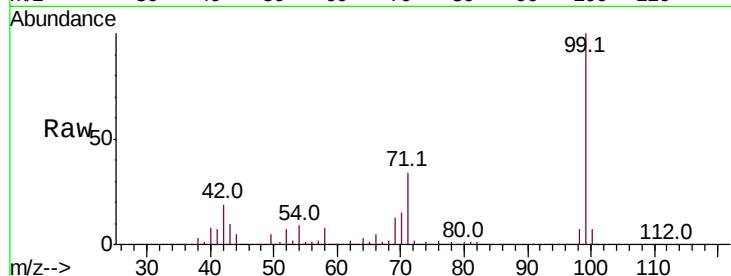
71 34.5 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BF107763.D

Acq: 27 Jul 2018 23:04

Tgt Ion: 136 Resp: 697908

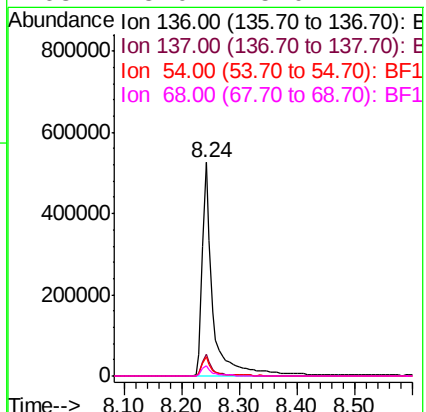
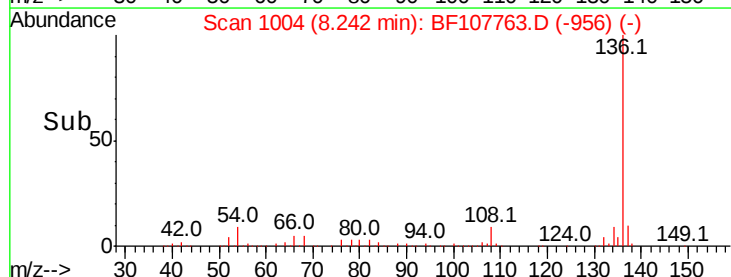
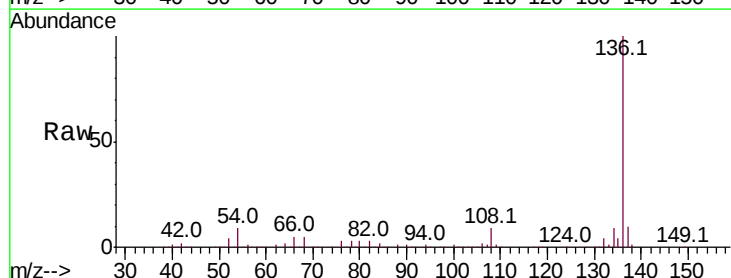
Ion Ratio Lower Upper

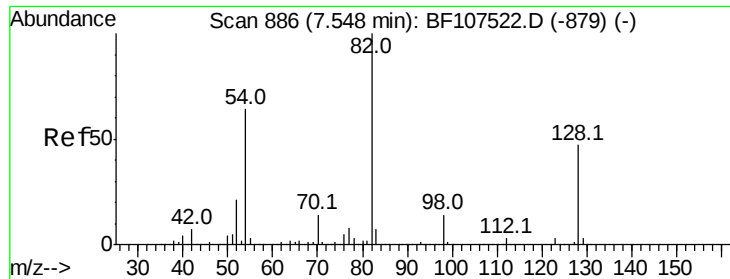
136 100

137 10.5 8.9 13.3

54 9.2 6.6 9.8

68 5.0 5.0 7.4





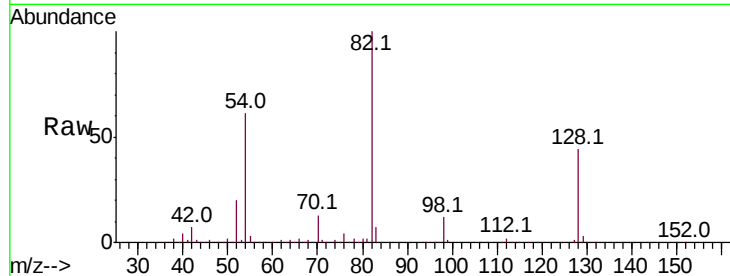
#23
Nitrobenzene-d5
Concen: 63.009 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF107763.D
Acq: 27 Jul 2018 23:04

Instrument :
BNA_F
ClientSampleId :
CON-BALLARDS-0-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.1	36.1	54.1
54	61.1	41.4	62.2

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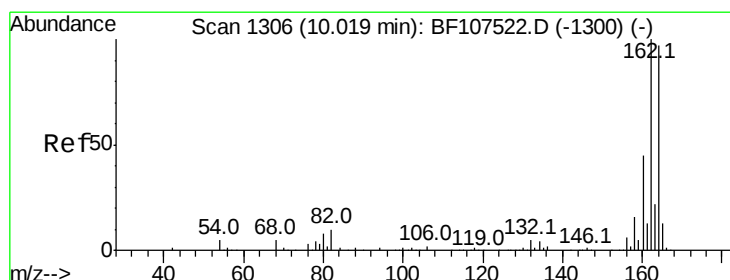
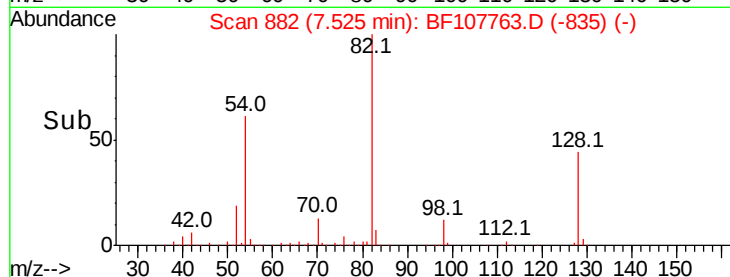
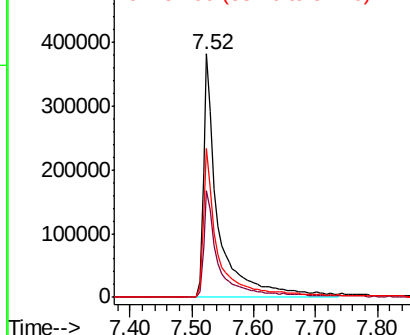


Abundance

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: 10.00 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF107763.D
Acq: 27 Jul 2018 23:04

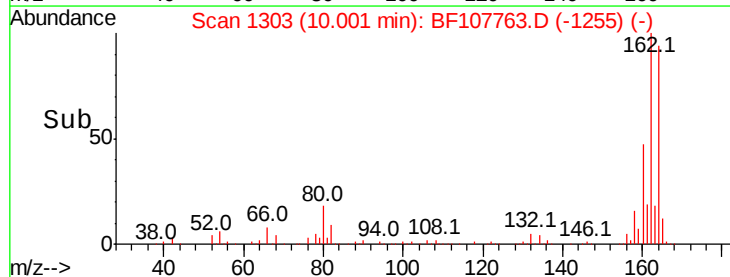
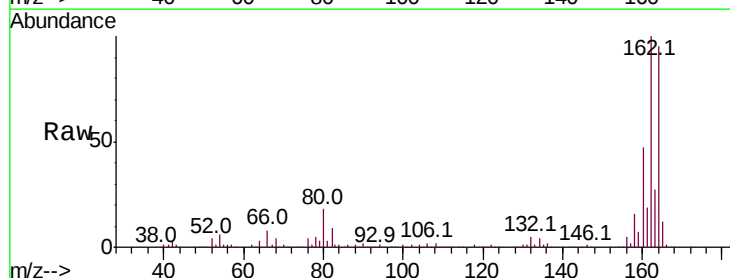
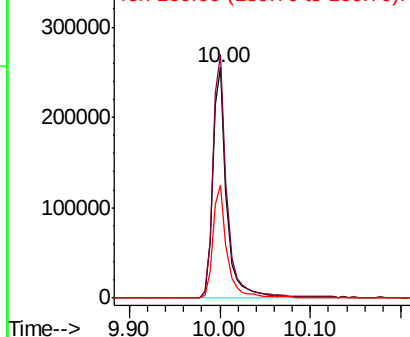
Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.6	86.1	129.1
160	49.1	38.3	57.5

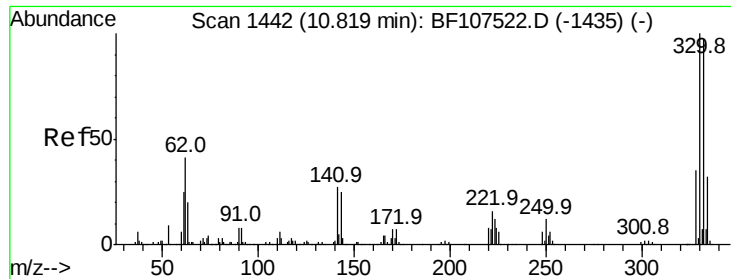
Abundance

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





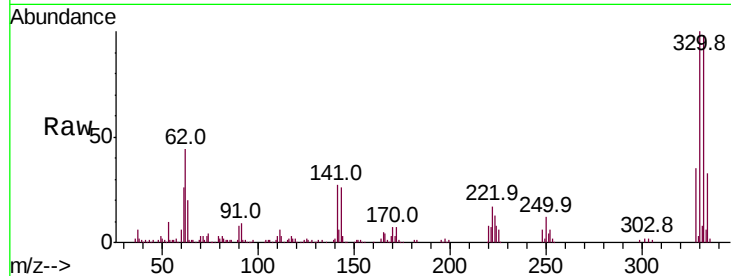
#41
 2,4,6-Tribromophenol
 Concen: 78.735 ng
 RT: 10.79 min Scan# 1438
 Delta R.T. -0.02 min
 Lab File: BF107763.D
 Acq: 27 Jul 2018 23:04

Instrument :
 BNA_F
 ClientSampleId :
 CON-BALLARDS-0-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	29.1	29.9	44.9#

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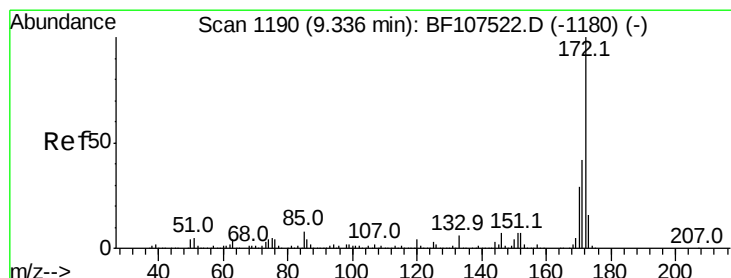
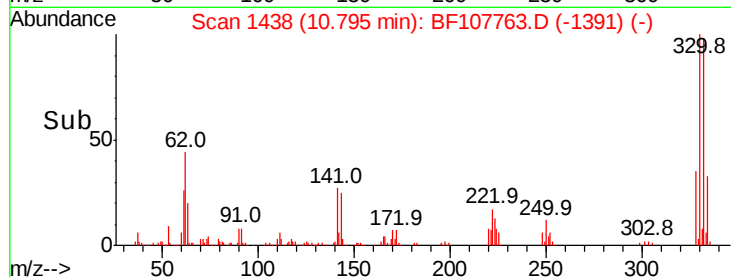
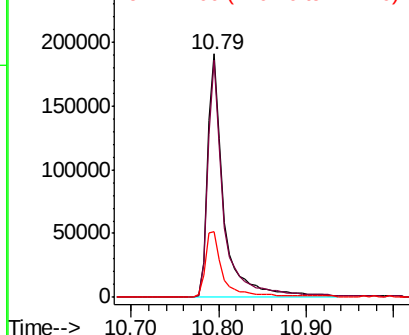


Abundance

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: 69.565 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.02 min
 Lab File: BF107763.D
 Acq: 27 Jul 2018 23:04

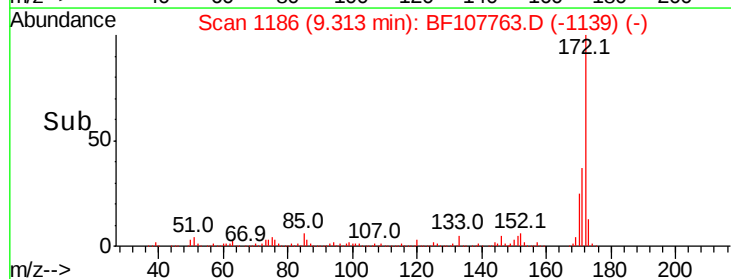
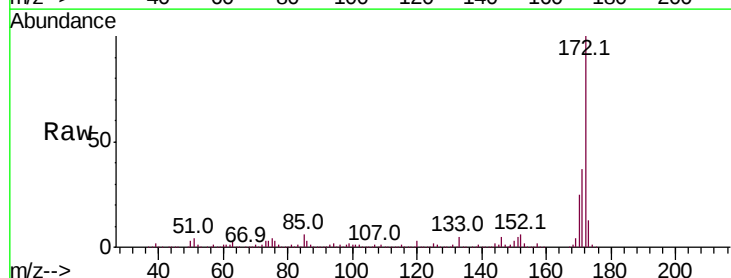
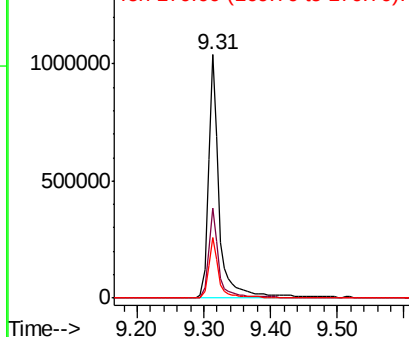
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.6	19.6	29.4

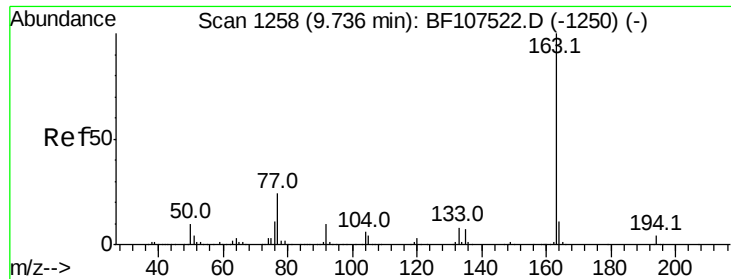
Abundance

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





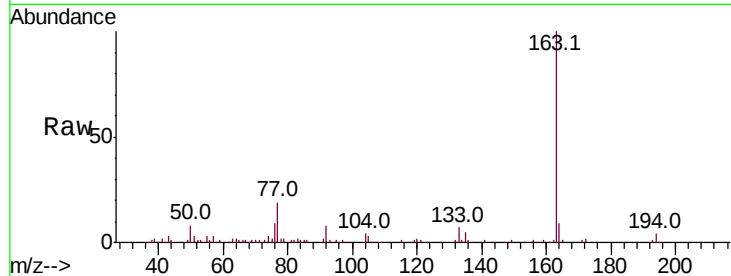
#49
Dimethylphthalate
Concen: 5.720 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.03 min
Lab File: BF107763.D
Acq: 27 Jul 2018 23:04

Instrument :
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ClientSampleId :
CON-BALLARDS-0-2

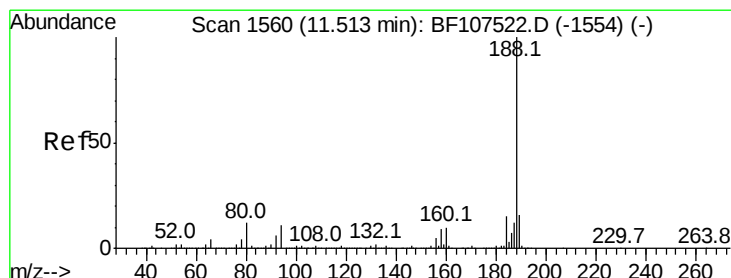
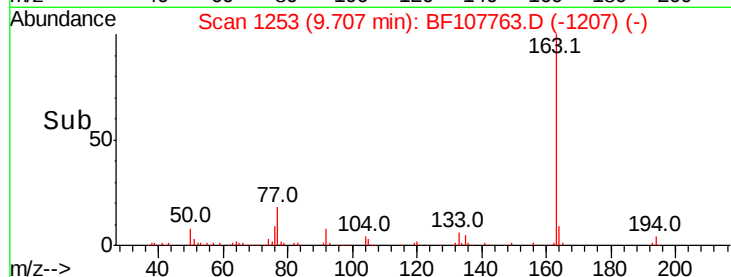
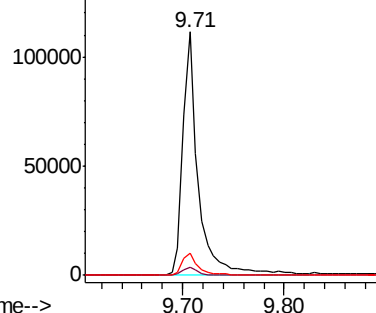
Tot Ion	Ratio	Resp	Lower	Upper
163	100	119409		
194	3.6	2.7	4.1	
164	9.3	8.2	12.2	

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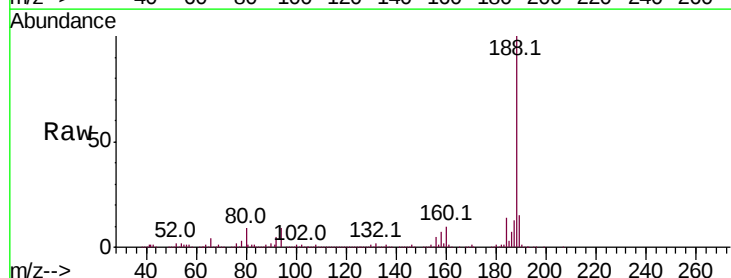


Abundance Ion 163.00 (162.70 to 163.70): E
150000 Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

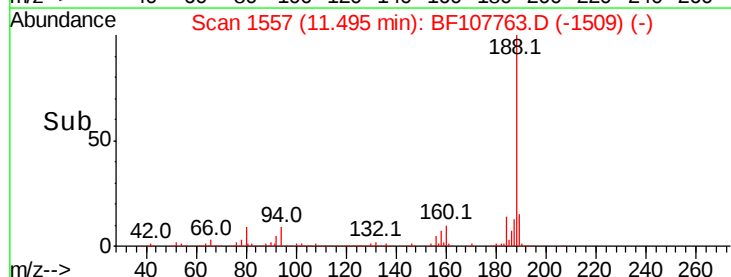
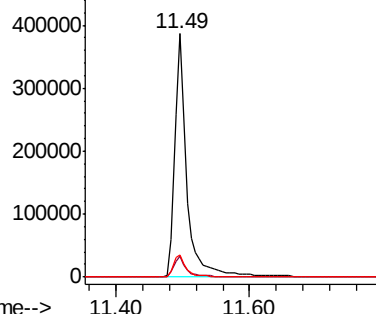


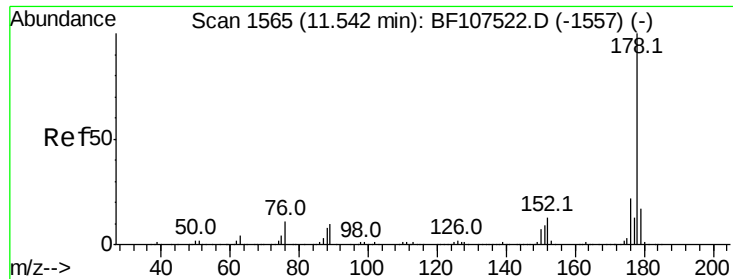
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1557
Delta R.T. -0.02 min
Lab File: BF107763.D
Acq: 27 Jul 2018 23:04

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	480407		
94	8.7	8.5	12.7	
80	9.0	9.2	13.8	



Abundance Ion 188.00 (187.70 to 188.70): E
500000 Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





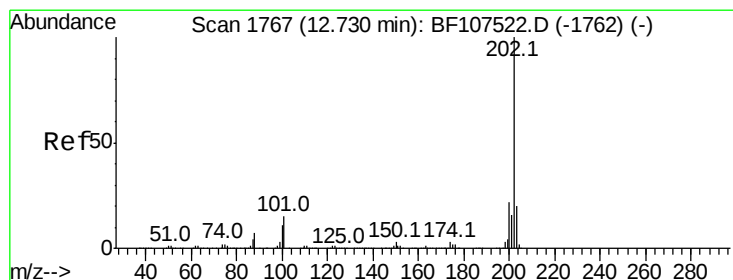
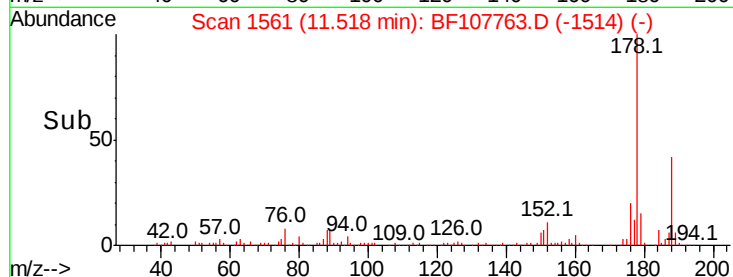
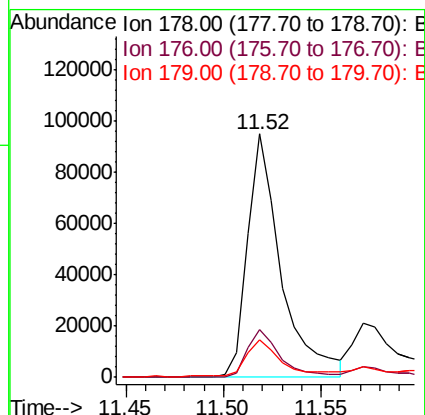
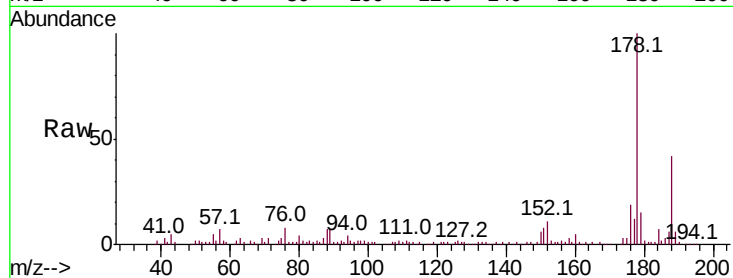
#70
Phenanthrene
Concen: 4.848 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF107763.D
Acq: 27 Jul 2018 23:04

Instrument :
BNA_F
ClientSampleId :
CON-BALLARDS-0-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.3	13.0	19.6

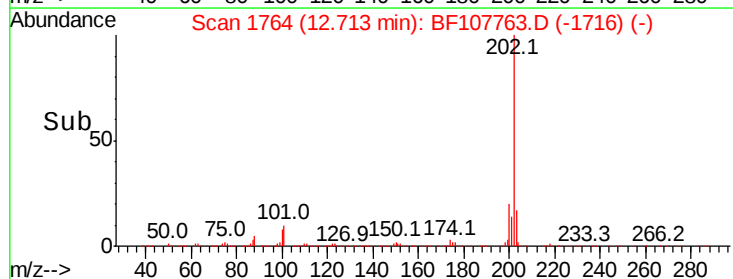
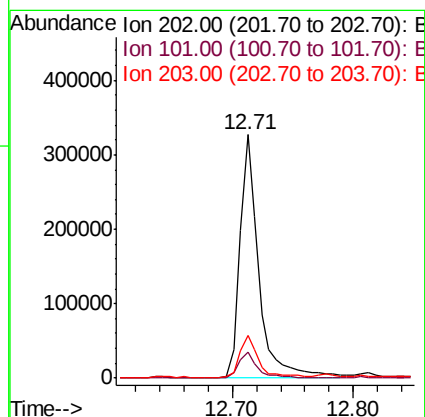
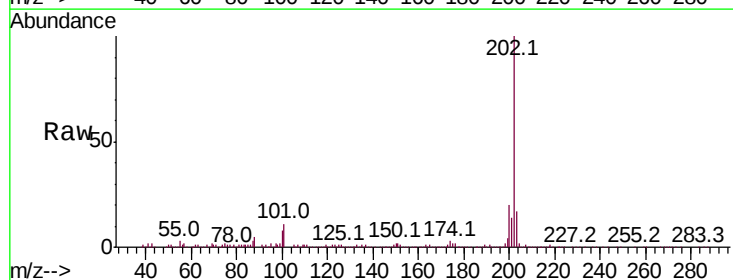
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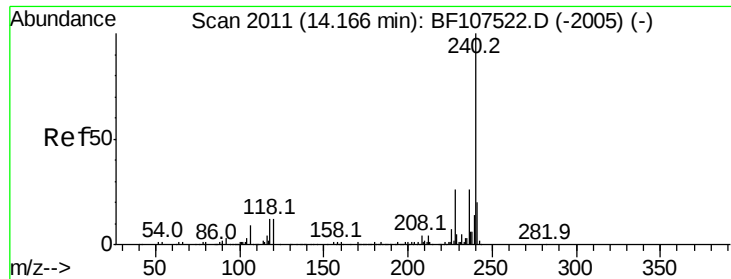
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#74
Fluoranthene
Concen: 14.011 ng
RT: 12.71 min Scan# 1764
Delta R.T. -0.02 min
Lab File: BF107763.D
Acq: 27 Jul 2018 23:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	34.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107763.D

Acq: 27 Jul 2018 23:04

Instrument :

BNA_F

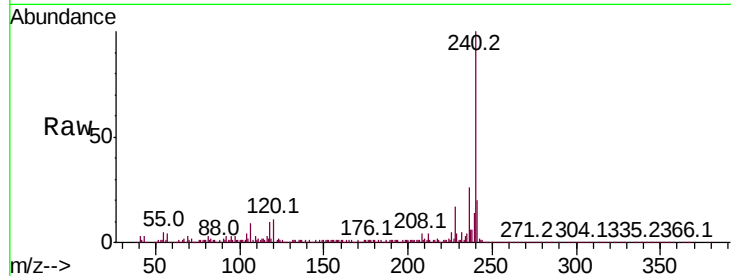
ClientSampleId :

CON-BALLARDS-0-2

Tot Ion:	240	Resp:	420185
Ion Ratio	Lower	Upper	
240	100		
120	11.5	9.5	14.3
236	26.3	20.7	31.1

Manual Integrations
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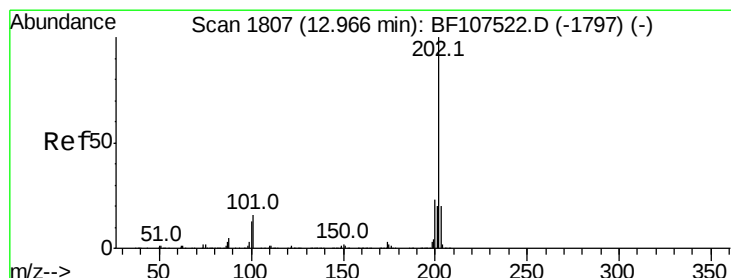
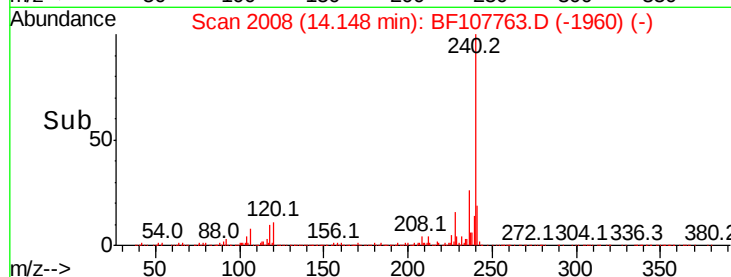
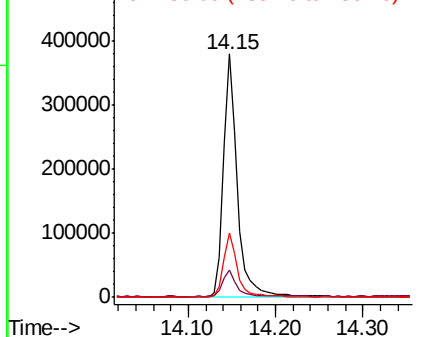
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 12.145 ng

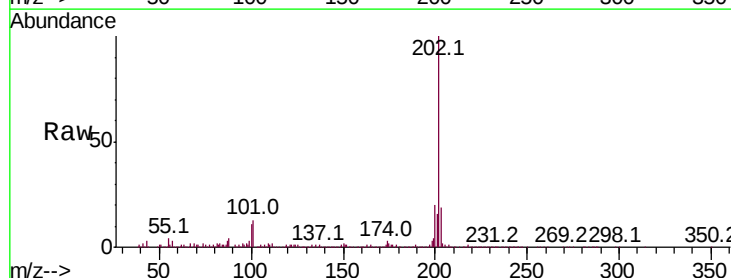
RT: 12.94 min Scan# 1803

Delta R.T. -0.02 min

Lab File: BF107763.D

Acq: 27 Jul 2018 23:04

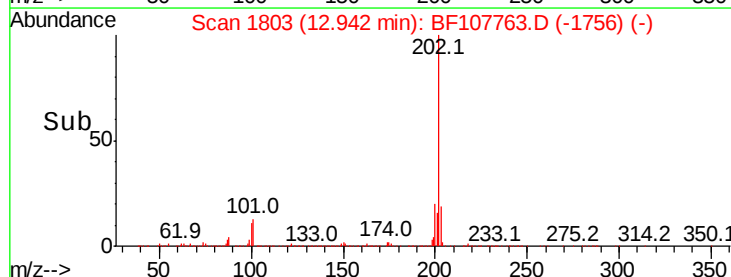
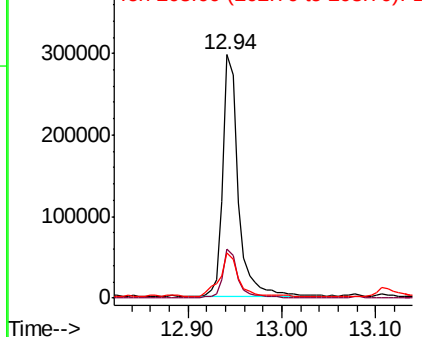
Tgt Ion:	202	Resp:	349061
Ion Ratio	Lower	Upper	
202	100		
200	20.4	17.4	26.2
203	18.8	14.3	21.5

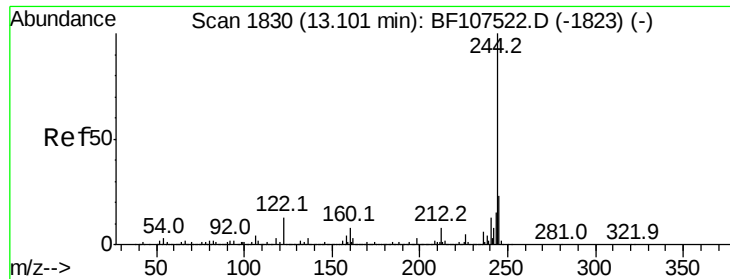


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





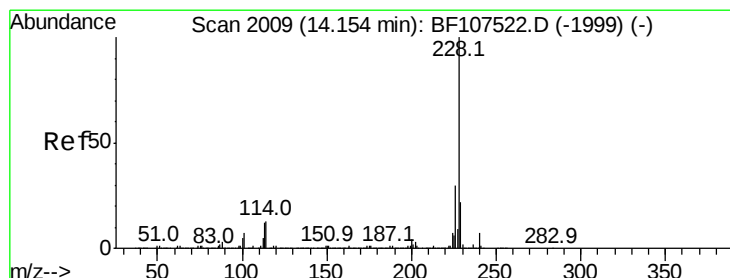
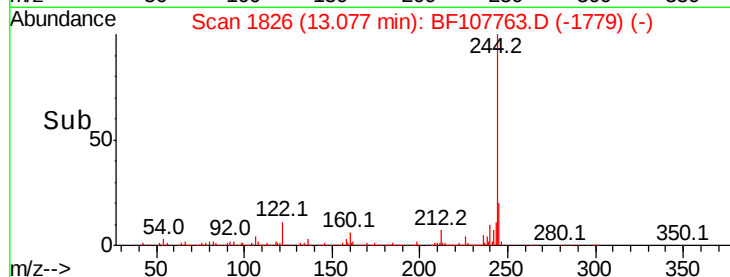
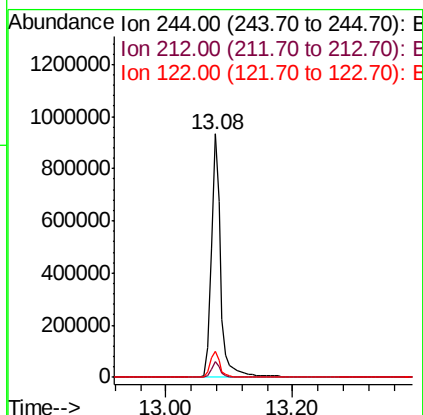
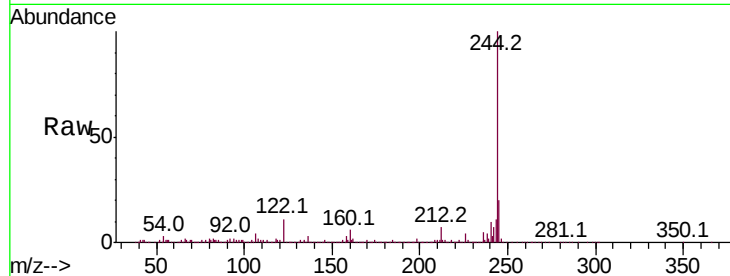
#78
 Terphenyl-d14
 Concen: 59.568 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.02 min
 Lab File: BF107763.D
 Acq: 27 Jul 2018 23:04

Instrument :
 BNA_F
 ClientSampleId :
 CON-BALLARDS-0-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.9	11.0	16.4#

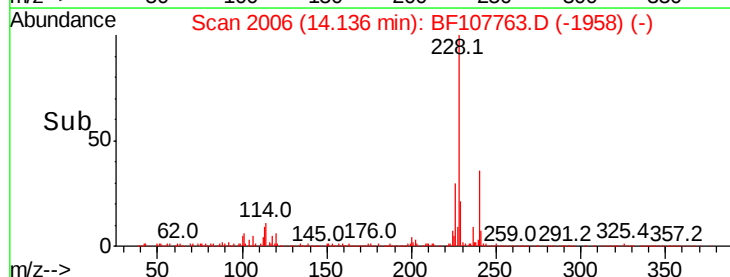
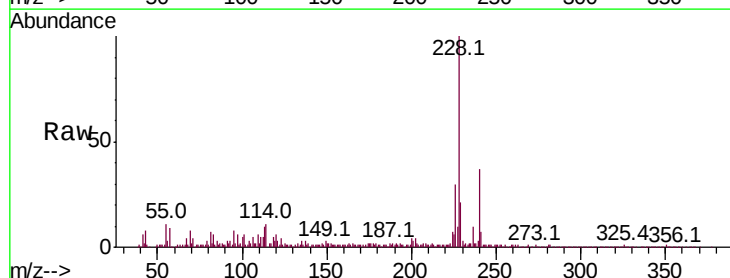
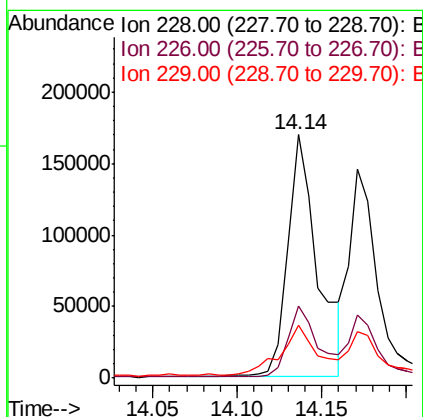
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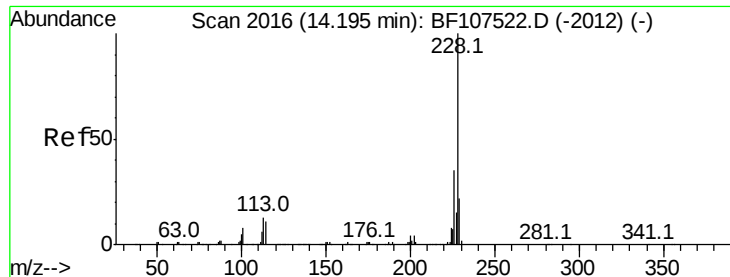
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#80
 Benzo(a)anthracene
 Concen: 8.465 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.02 min
 Lab File: BF107763.D
 Acq: 27 Jul 2018 23:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.6	33.8
229	21.5	15.8	23.6





#82

Chrysene

Concen: 7.143 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF107763.D

Acq: 27 Jul 2018 23:04

Instrument :

BNA_F

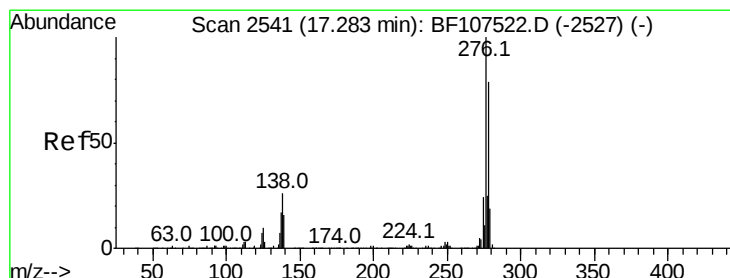
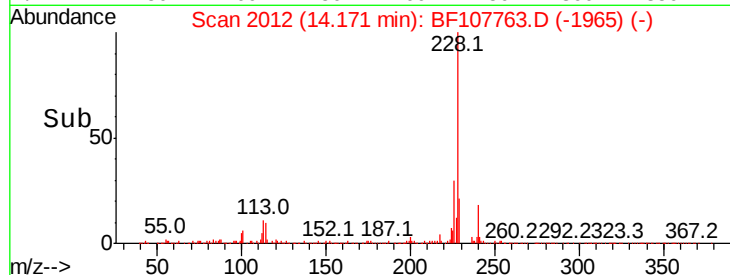
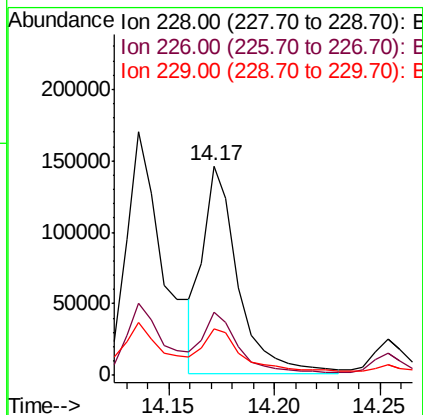
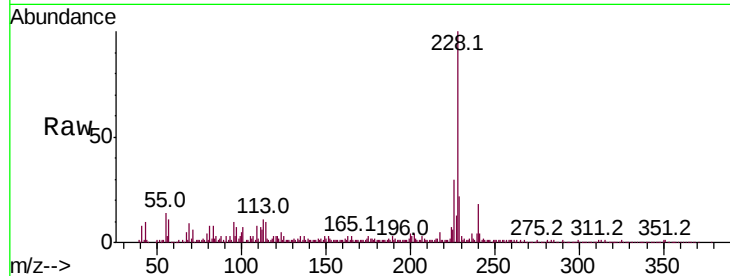
ClientSampleId :

CON-BALLARDS-0-2

Tot Ion:	228	Resp:	168954
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.0	37.6
229	22.1	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.460 ng

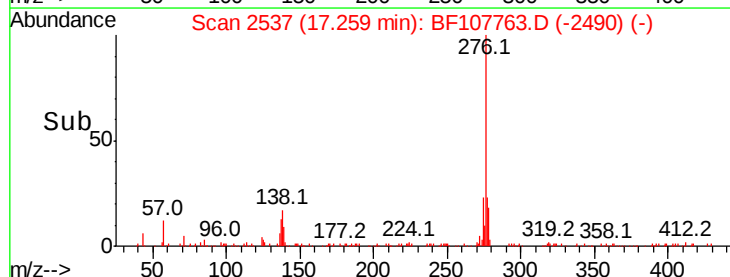
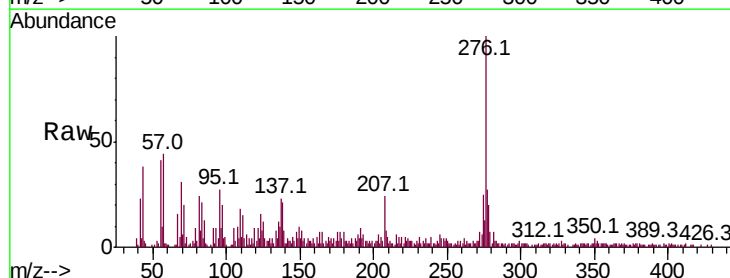
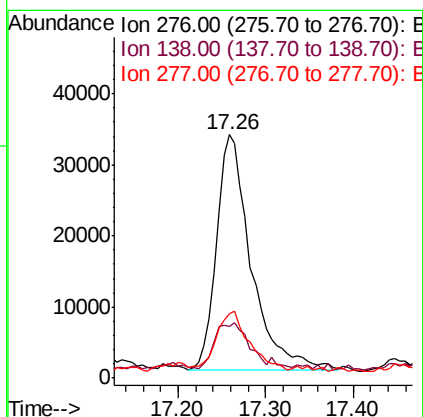
RT: 17.26 min Scan# 2537

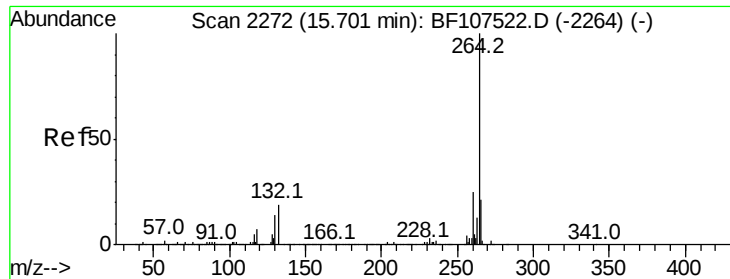
Delta R.T. -0.02 min

Lab File: BF107763.D

Acq: 27 Jul 2018 23:04

Tgt Ion:	276	Resp:	89418
Ion Ratio	Lower	Upper	
276	100		
138	20.1	25.0	37.6#
277	23.6	20.1	30.1





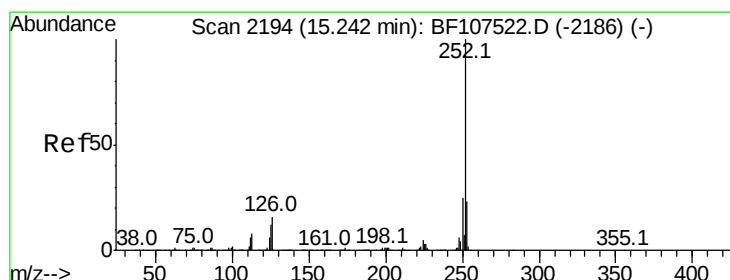
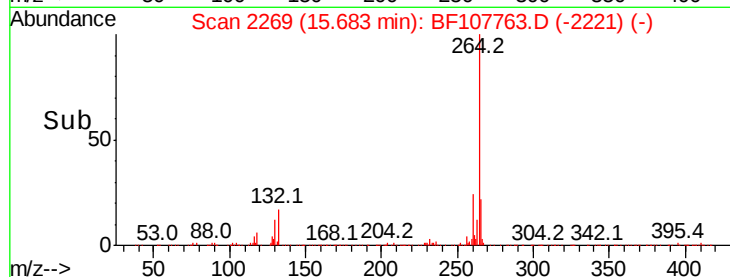
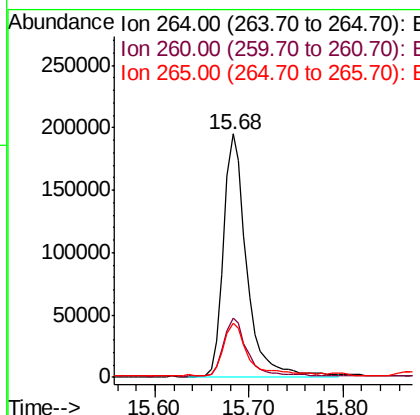
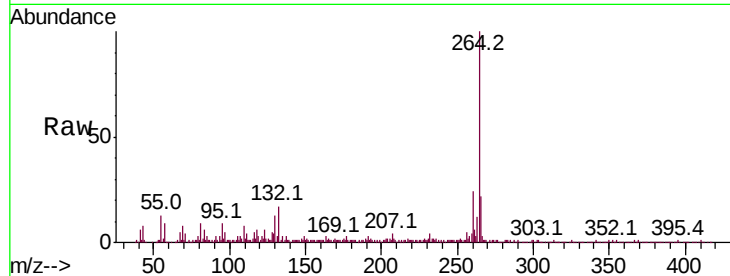
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF107763.D
Acq: 27 Jul 2018 23:04

Instrument :
BNA_F
ClientSampleId :
CON-BALLARDS-0-2

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

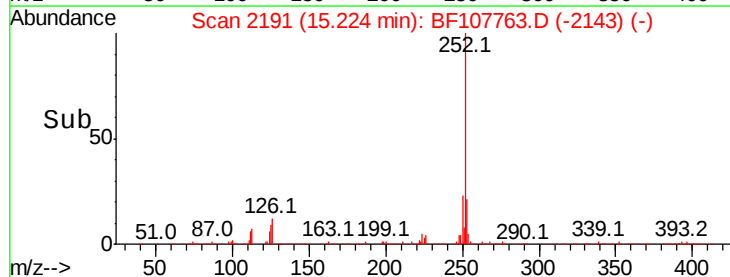
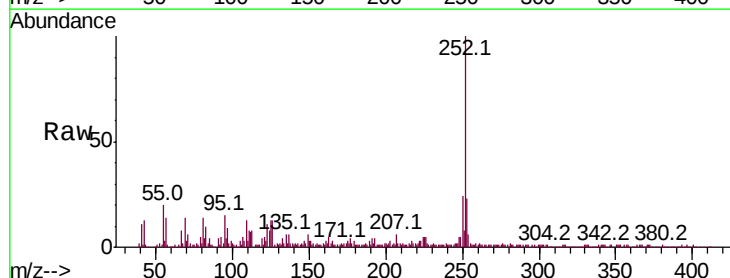
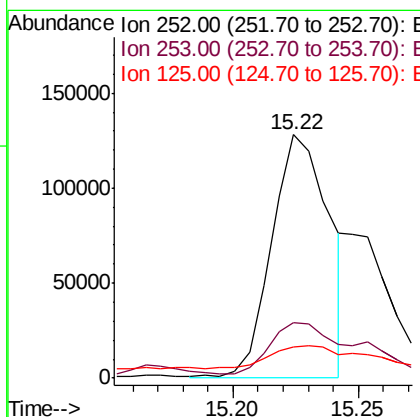
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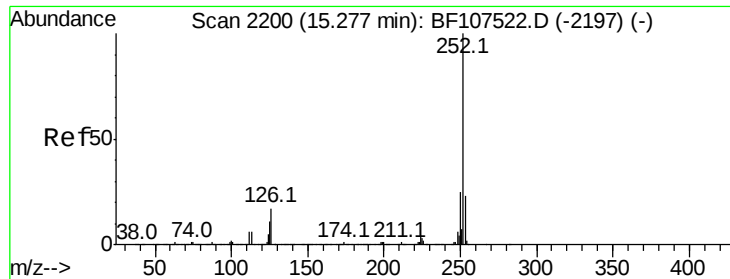
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#87
Benzo(b)fluoranthene
Concen: 11.316 ng m
RT: 15.22 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BF107763.D
Acq: 27 Jul 2018 23:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	12.8	9.0	13.6





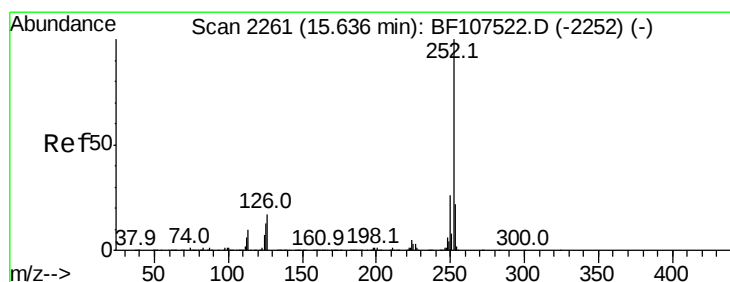
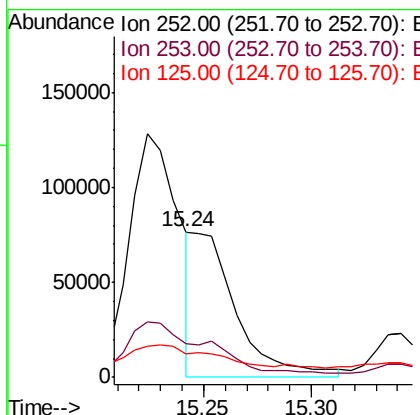
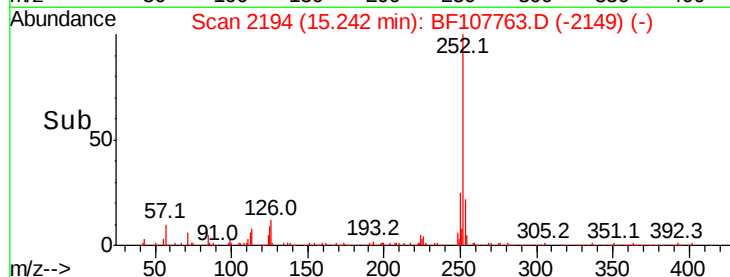
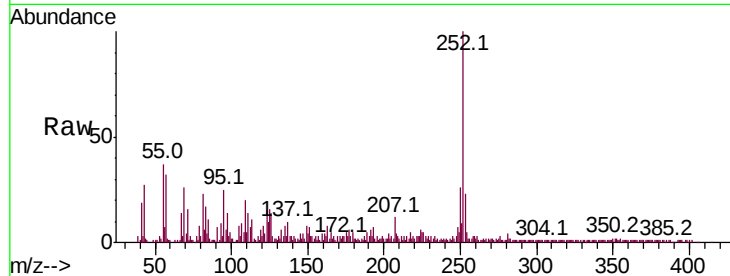
#88
Benzo(k)fluoranthene
Concen: 5.958 ng m
RT: 15.24 min Scan# 2194
Delta R.T. -0.04 min
Lab File: BF107763.D
Acq: 27 Jul 2018 23:04

Instrument :
BNA_F
ClientSampleId :
CON-BALLARDS-0-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	16.4	10.2	15.2

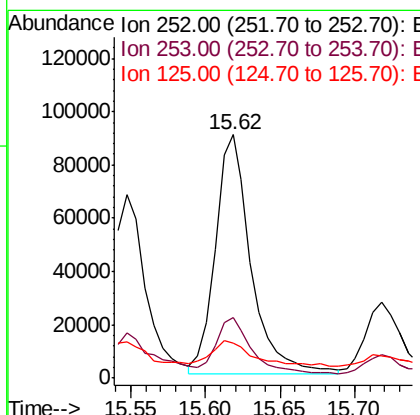
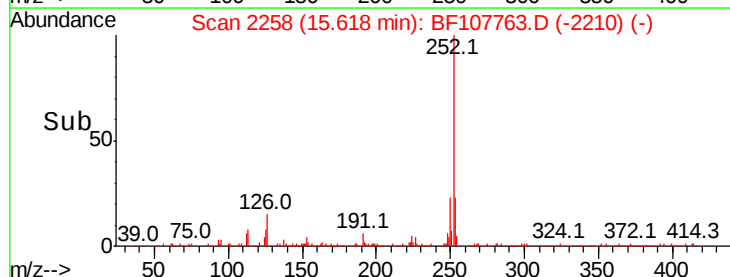
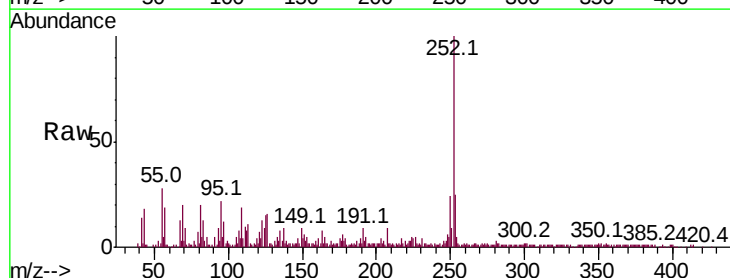
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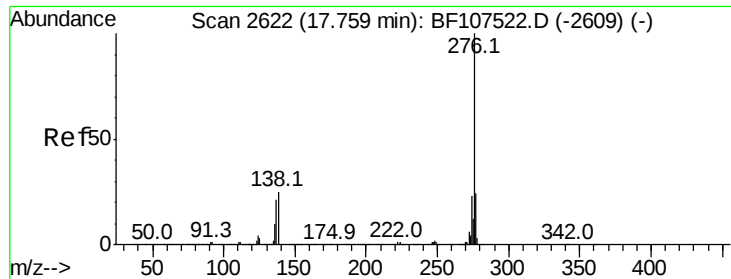
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#89
Benzo(a)pyrene
Concen: 9.083 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.02 min
Lab File: BF107763.D
Acq: 27 Jul 2018 23:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.1	25.7
125	14.6	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 6.624 ng
 RT: 17.74 min Scan# 2619
 Delta R.T. -0.02 min
 Lab File: BF107763.D
 Acq: 27 Jul 2018 23:04

Instrument :
 BNA_F
 ClientSampleId :
 CON-BALLARDS-0-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	21.0	21.8	32.8#

Manual Integrations
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