

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
 Data File : BF107839.D
 Acq On : 31 Jul 2018 9:18
 Operator : JU/SJ
 Sample : J4164-07DL 5X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 SB-4(3-5)DL

Manual Integrations
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Sohil
 7/31/2018 2:43:16 PM

Quant Time: Jul 31 11:08:46 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	6.96	152	137284	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	648973	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	279096	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	480203	20.00	ng	0.00
75) Chrysene-d12	14.15	240	380237	20.00	ng	0.00
86) Perylene-d12	15.69	264	369090	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	100948	12.50	ng	0.00
7) Phenol-d6	6.61	99	233930	21.97	ng	0.00
23) Nitrobenzene-d5	7.54	82	129540	11.50	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	47157	12.43	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	297741	14.87	ng	0.00
78) Terphenyl-d14	13.08	244	219445	12.51	ng	0.00
Target Compounds						
31) Naphthalene	8.27	128	141338	4.685	ng	99
48) Acenaphthylene	9.87	152	184617	6.217	ng	99
54) Dibenzofuran	10.21	168	55946	2.098	ng	98
57) Fluorene	10.55	166	119235	5.755	ng	# 98
70) Phenanthrene	11.52	178	949559	41.645	ng	99
71) Anthracene	11.58	178	393741	14.971	ng	99
74) Fluoranthene	12.72	202	868898	32.437	ng	98
77) Pyrene	12.95	202	1029486	37.600	ng	98
80) Benzo(a)anthracene	14.14	228	527626	24.496	ng	92
82) Chrysene	14.18	228	462922	19.926	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	191220	10.821	ng	# 88
87) Benzo(b)fluoranthene	15.24	252	452427m	24.854	ng	
88) Benzo(k)fluoranthene	15.26	252	174234m	7.796	ng	
89) Benzo(a)pyrene	15.62	252	401250	21.352	ng	96
90) Dibenzo(a,h)anthracene	17.28	278	47300	2.886	ng	# 81
91) Benzo(g,h,i)perylene	17.76	276	189773	11.965	ng	96

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

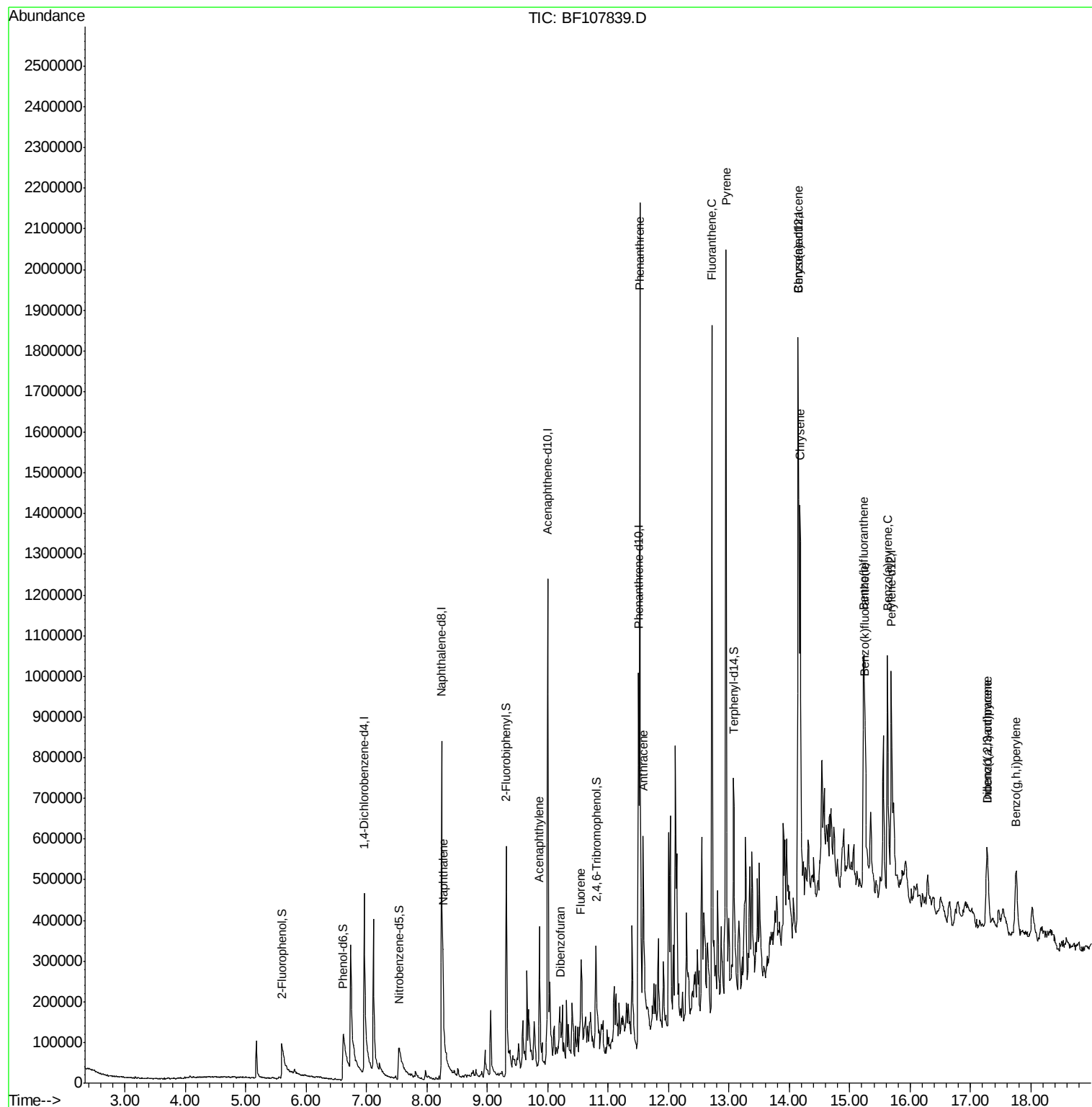
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
Data File : BF107839.D
Acq On : 31 Jul 2018 9:18
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ALS Vial : 38 Sample Multiplier: 1

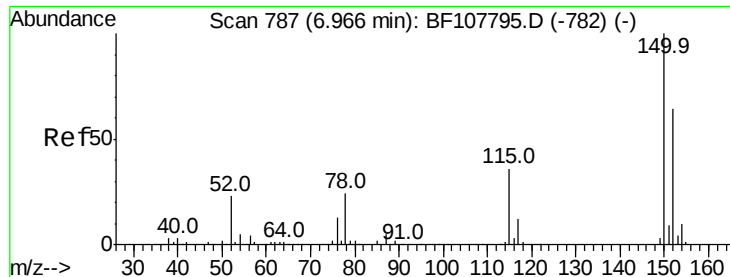
Instrument :
BNA_F
ClientSampleId :
SB-4(3-5)DL

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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

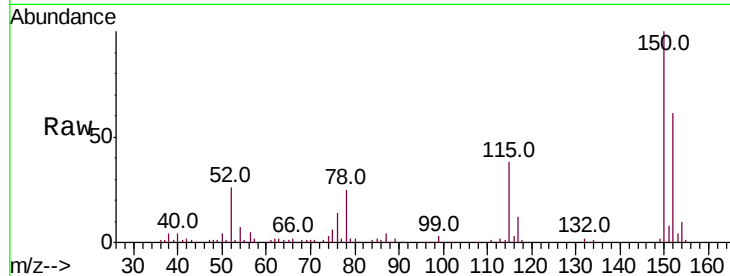
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF107839.D
 Acq: 31 Jul 2018 9:18

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(3-5)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.3	124.6	186.8
115	62.3	50.1	75.1

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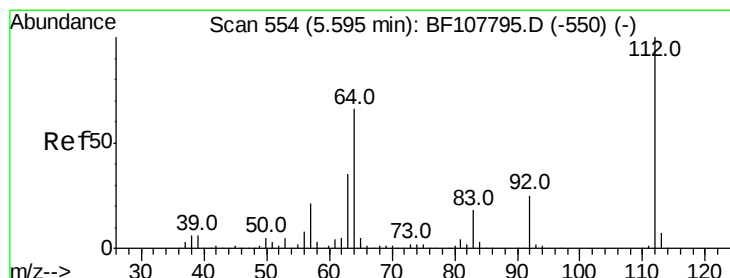
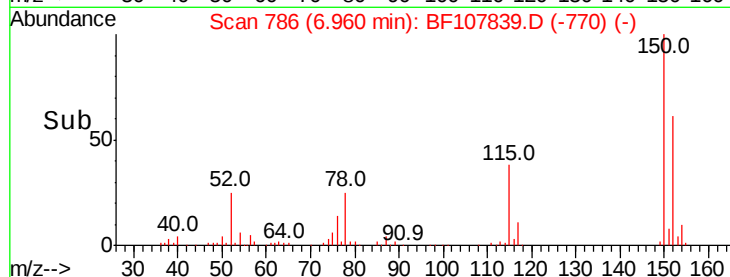
Abundance

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

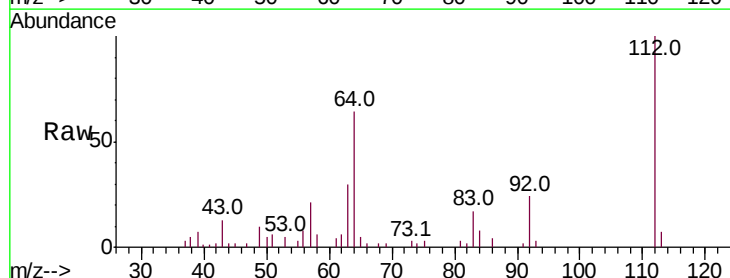
Time-->



#5

2-Fluorophenol
 Concen: 12.497 ng
 RT: 5.60 min Scan# 555
 Delta R.T. 0.01 min
 Lab File: BF107839.D
 Acq: 31 Jul 2018 9:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.9	47.9	71.9
63	30.1	23.7	35.5



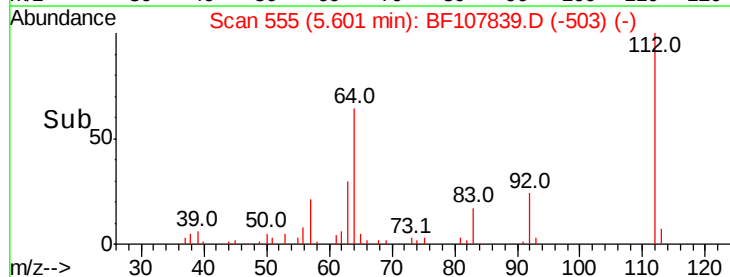
Abundance

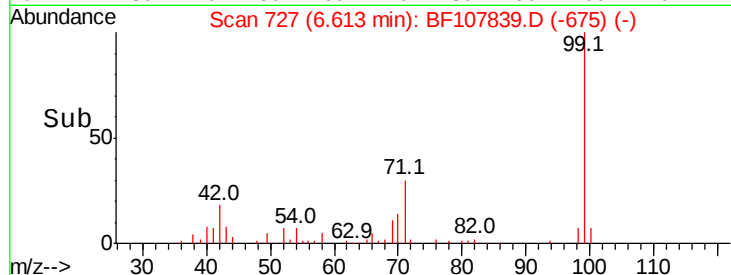
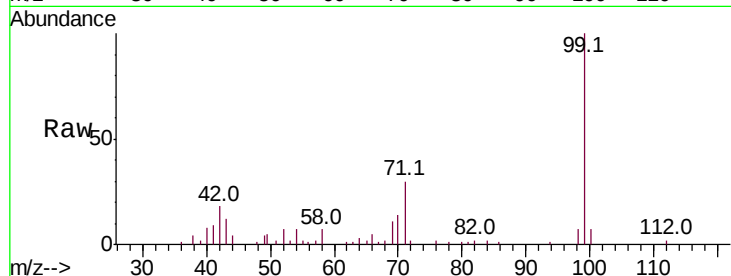
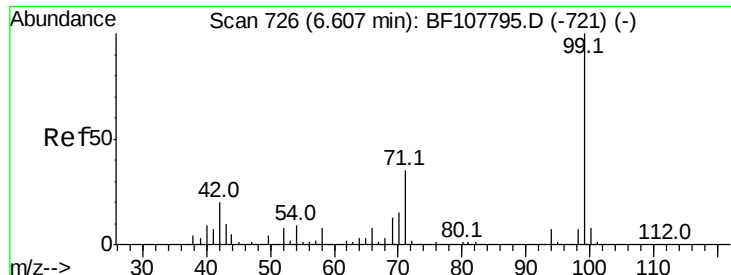
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





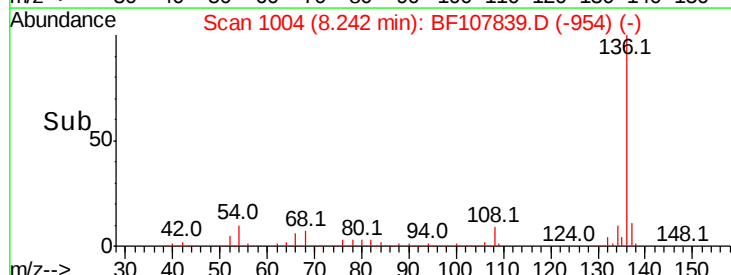
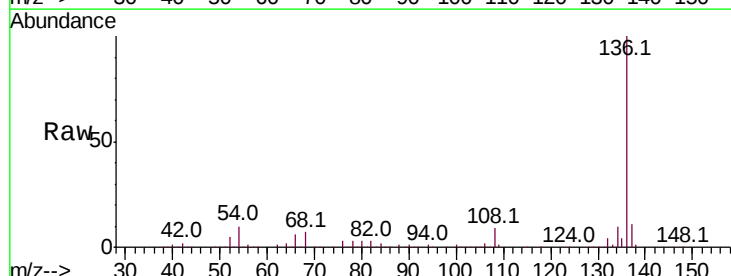
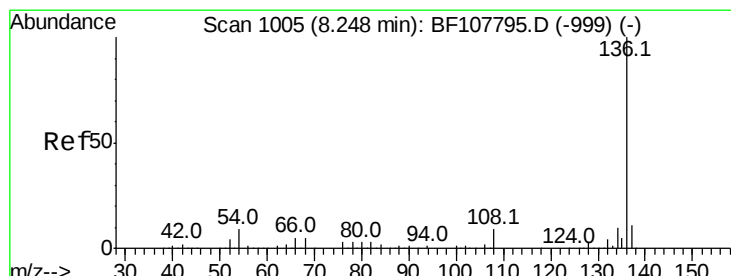
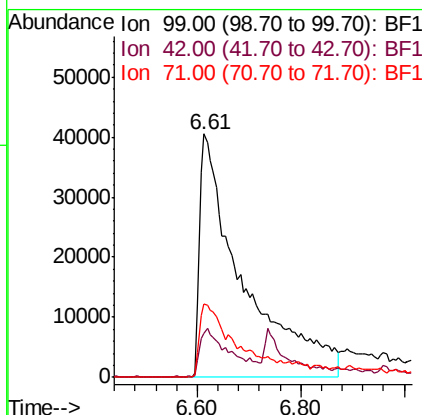
#7
Phenol-d6
Concen: 21.974 ng
RT: 6.61 min Scan# 727
Delta R.T. 0.01 min
Lab File: BF107839.D
Acq: 31 Jul 2018 9:18

Tot Ion	Ratio	Resp	Lower	Upper
99	100	233930		
42	18.0		14.5	21.7
71	30.3		25.4	38.0

Instrument :
BNA_F
ClientSampled :
SB-4(3-5)DL

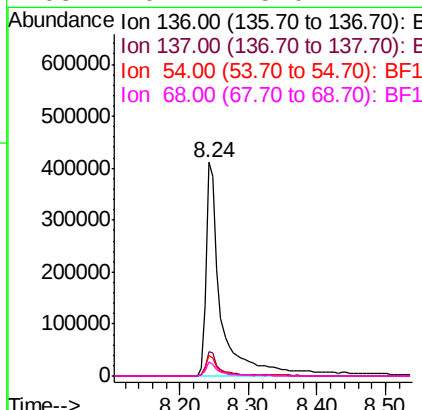
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF107839.D
Acq: 31 Jul 2018 9:18

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	648973		
137	11.3		8.9	13.3
54	9.7		6.6	9.8
68	6.7		5.0	7.4





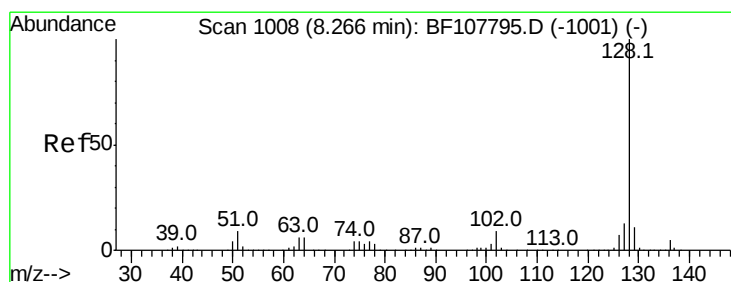
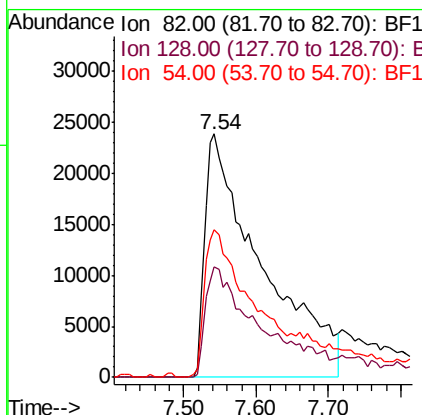
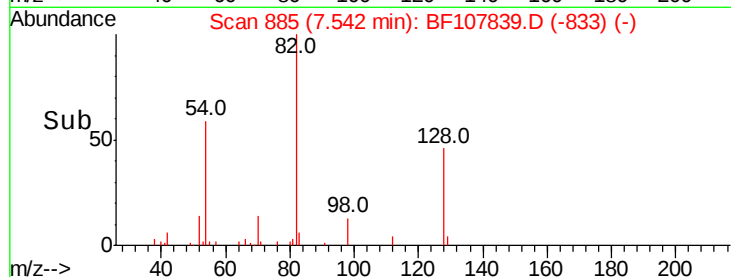
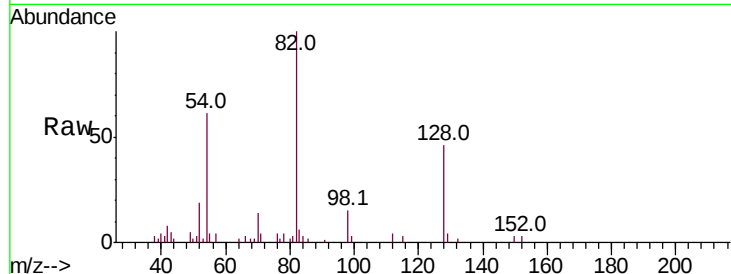
#23
Nitrobenzene-d5
Concen: 11.499 ng
RT: 7.54 min Scan# 885
Delta R.T. 0.01 min
Lab File: BF107839.D
Acq: 31 Jul 2018 9:18

Instrument :
BNA_F
ClientSampleId :
SB-4(3-5)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.1	54.1
54	60.9	41.4	62.2

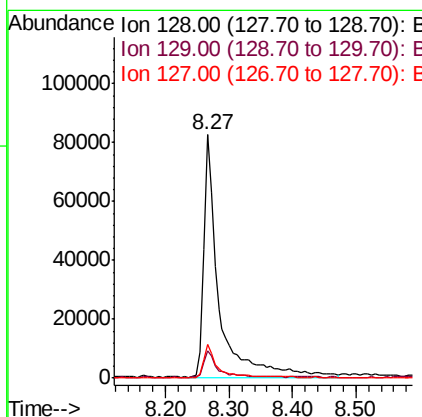
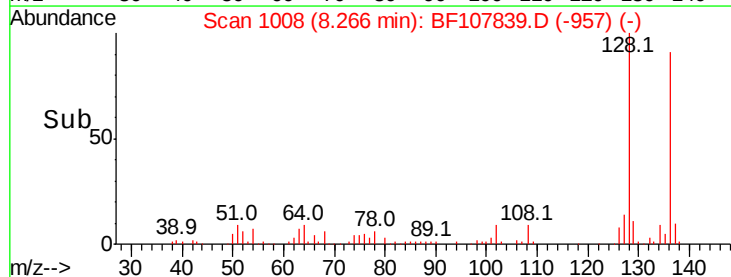
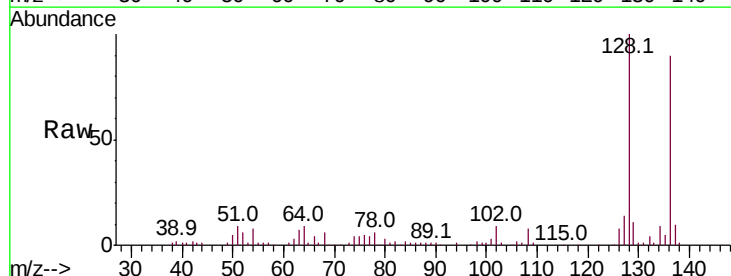
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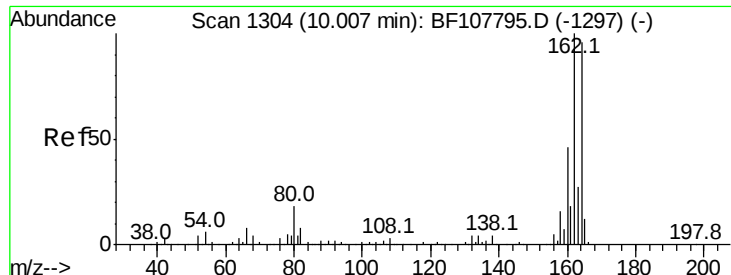
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#31
Naphthalene
Concen: 4.685 ng
RT: 8.27 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BF107839.D
Acq: 31 Jul 2018 9:18

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	14.0	10.9	16.3





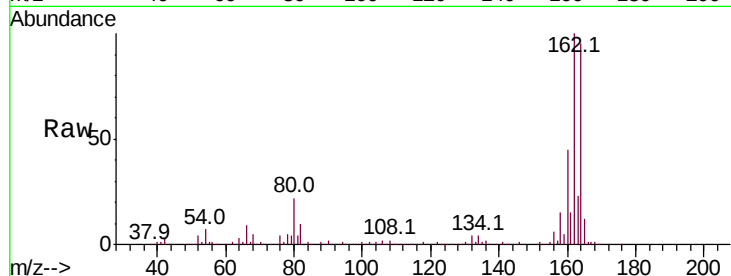
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107839.D
Acq: 31 Jul 2018 9:18

Instrument :
BNA_F
ClientSampled :
SB-4(3-5)DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100	279096		
162	105.4		86.1	129.1
160	47.6		38.3	57.5

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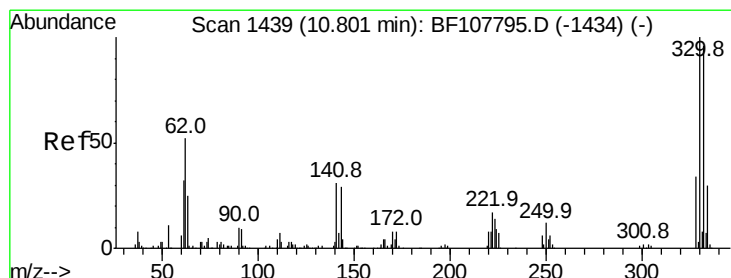
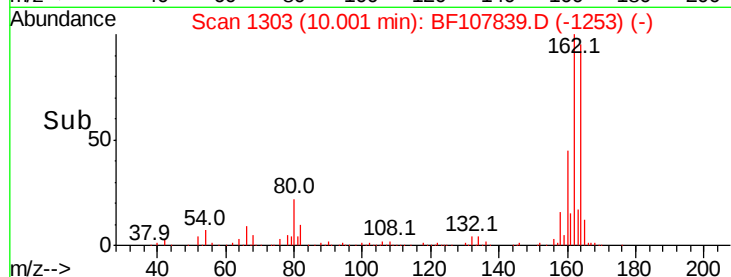
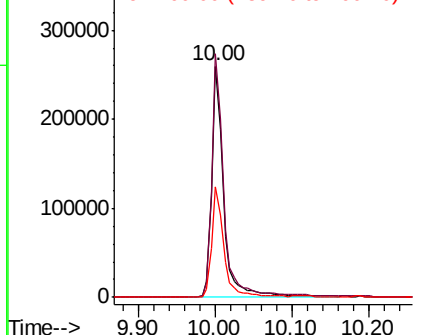


Abundance

Ion 164.00 (163.70 to 164.70): E

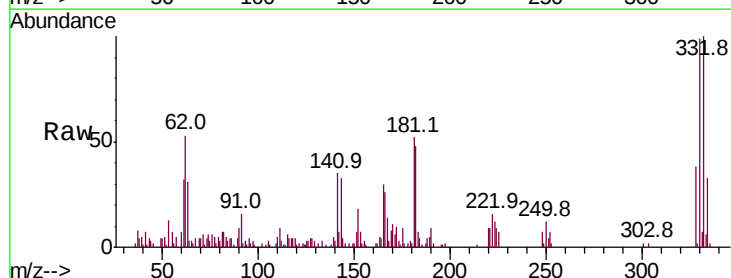
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41
2,4,6-Tribromophenol
Concen: 12.435 ng
RT: 10.80 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BF107839.D
Acq: 31 Jul 2018 9:18

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	47157		
332	105.3		77.0	115.6
141	34.0		29.9	44.9

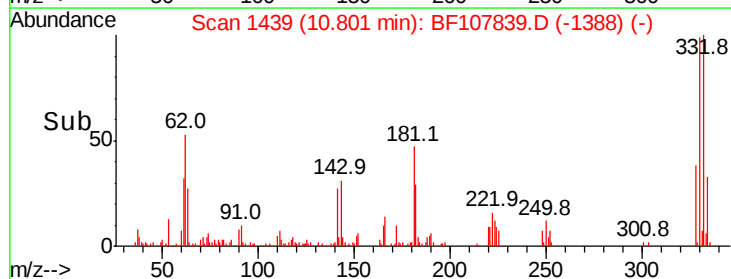
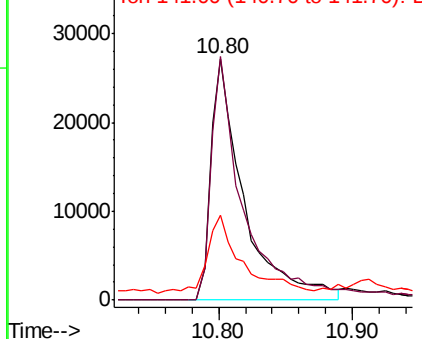


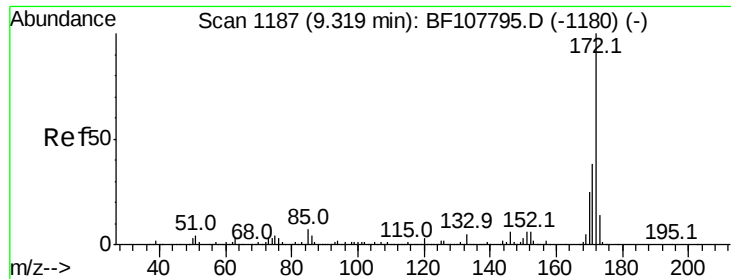
Abundance

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





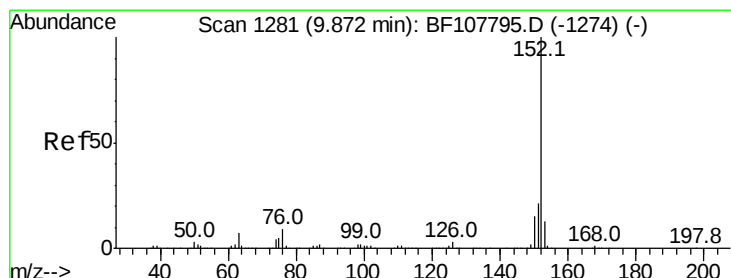
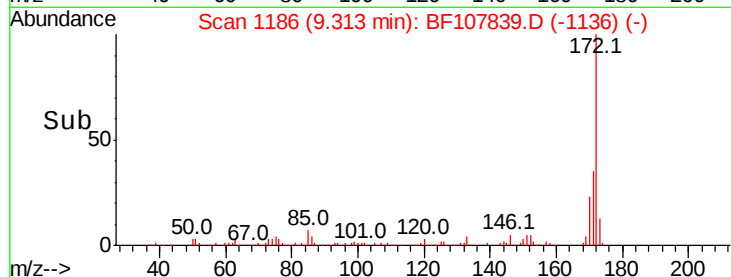
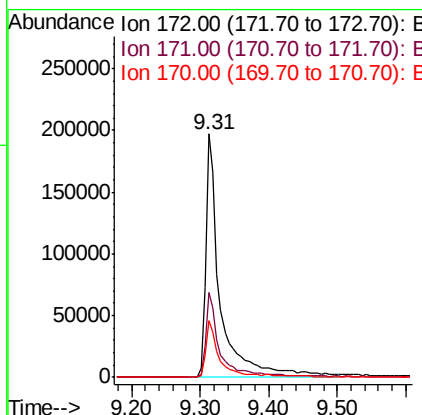
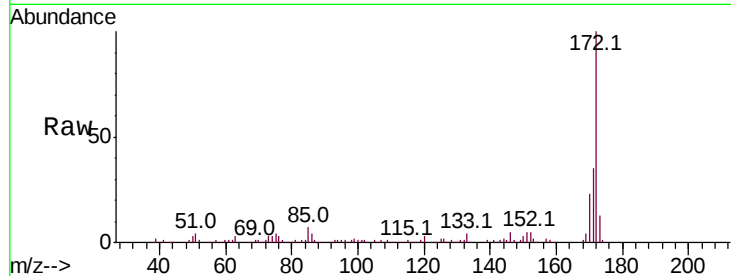
#44
2-Fluorobiphenyl
Concen: 14.866 ng
RT: 9.31 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF107839.D
Acq: 31 Jul 2018 9:18

Instrument :
BNA_F
ClientSampled :
SB-4(3-5)DL

Tot Ion	Ratio	Resp	Lower	Upper
172	100	297741		
171	34.9		29.7	44.5
170	23.4		19.6	29.4

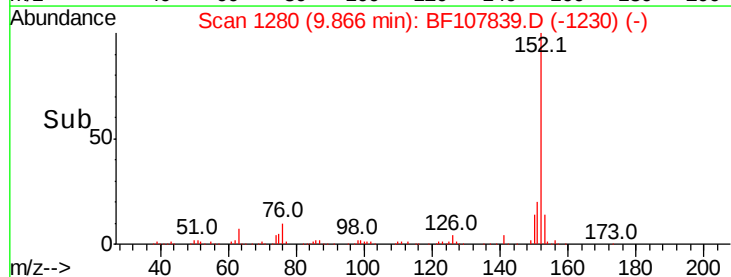
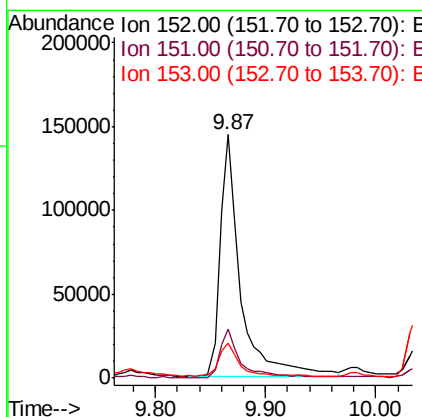
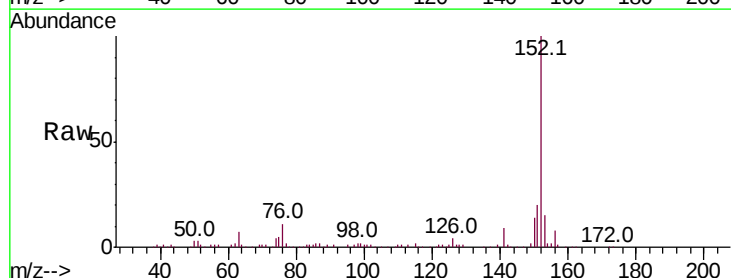
Manual Integrations
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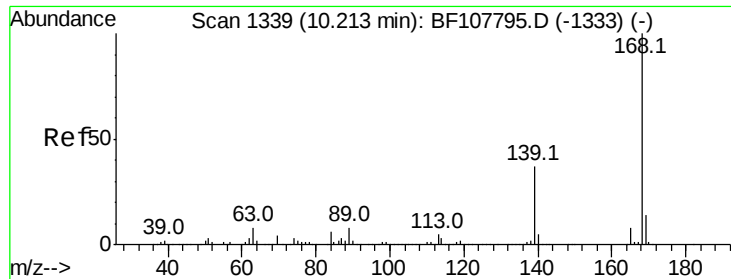
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#48
Acenaphthylene
Concen: 6.217 ng
RT: 9.87 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF107839.D
Acq: 31 Jul 2018 9:18

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	184617		
151	20.2		16.3	24.5
153	14.5		10.7	16.1





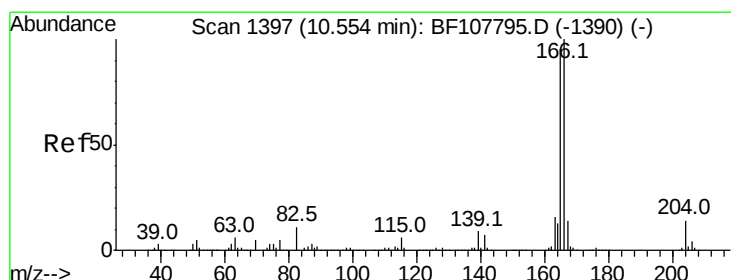
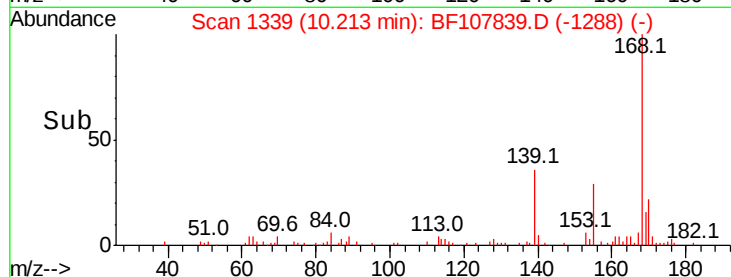
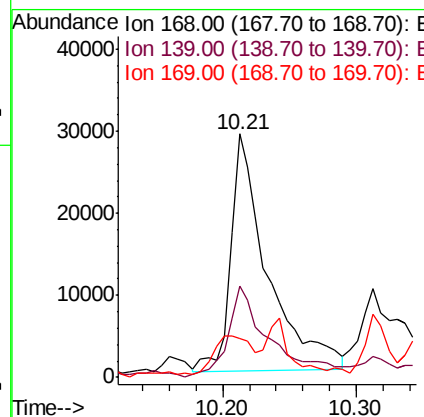
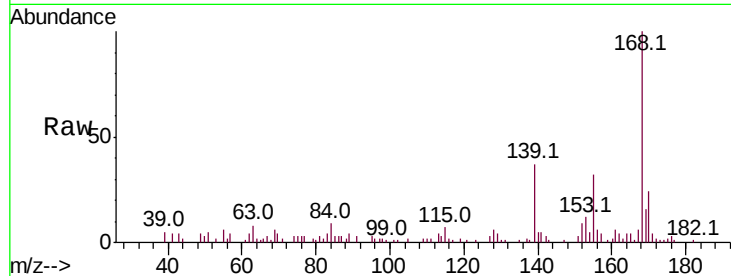
#54
Dibenzofuran
Concen: 2.098 ng
RT: 10.21 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BF107839.D
Acq: 31 Jul 2018 9:18

Instrument :
BNA_F
ClientSampleId :
SB-4(3-5)DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.5	30.1	45.1
169	15.7	10.9	16.3

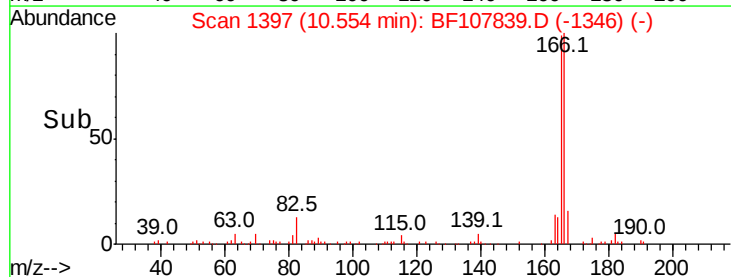
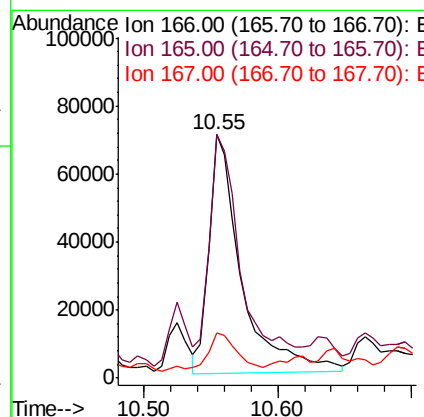
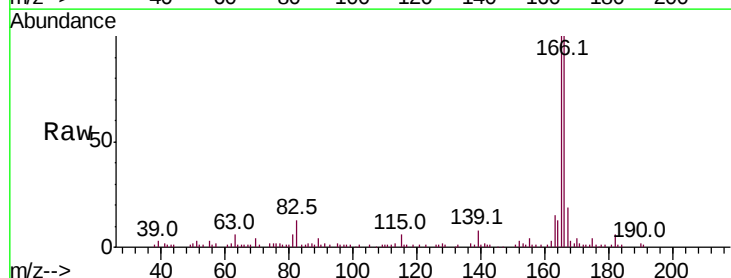
Manual Integrations
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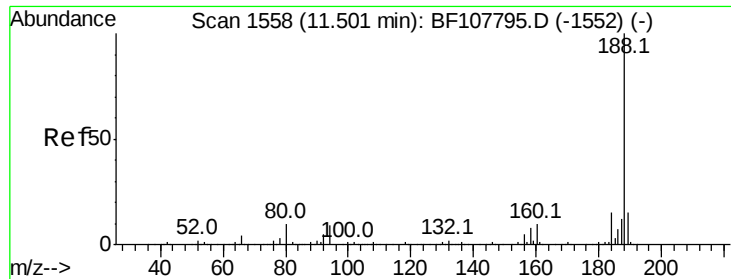
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#57
Fluorene
Concen: 5.755 ng
RT: 10.55 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BF107839.D
Acq: 31 Jul 2018 9:18

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.1	79.8	119.8
167	18.7	10.6	16.0





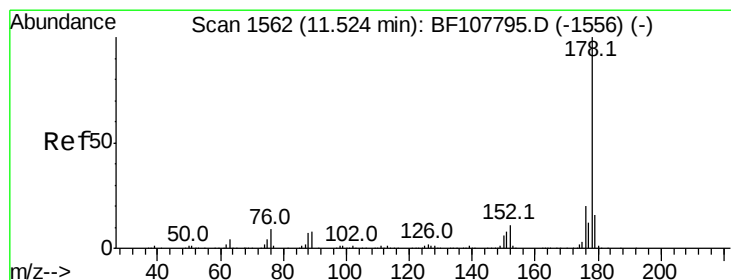
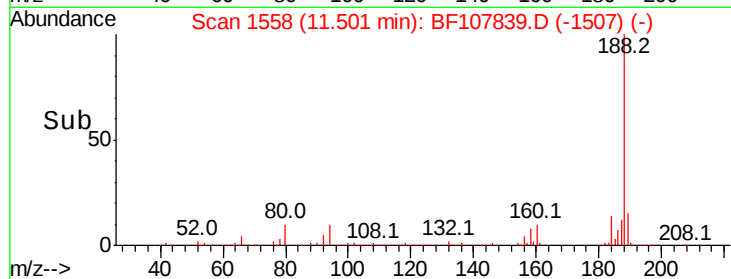
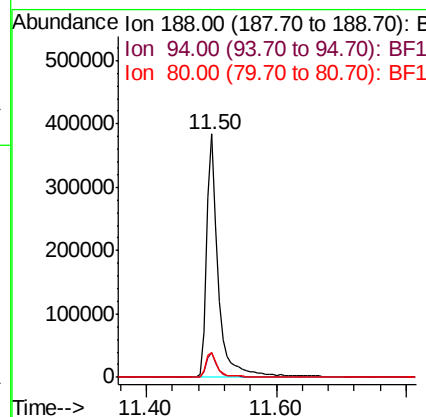
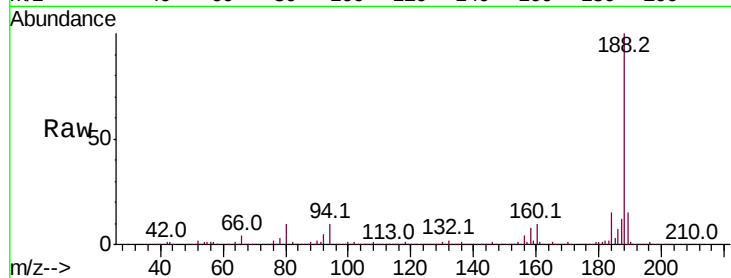
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF107839.D
Acq: 31 Jul 2018 9:18

Instrument :
BNA_F
ClientSampleId :
SB-4(3-5)DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	480203		
94	10.0		8.5	12.7
80	10.4		9.2	13.8

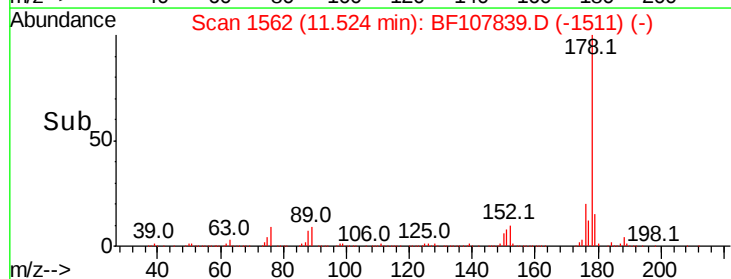
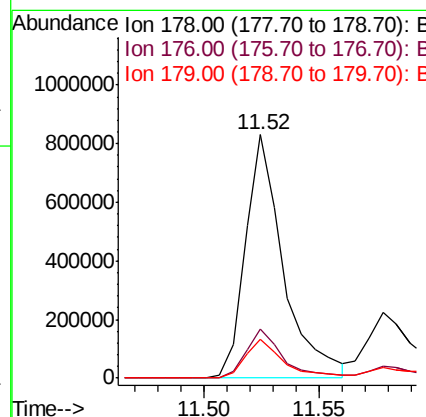
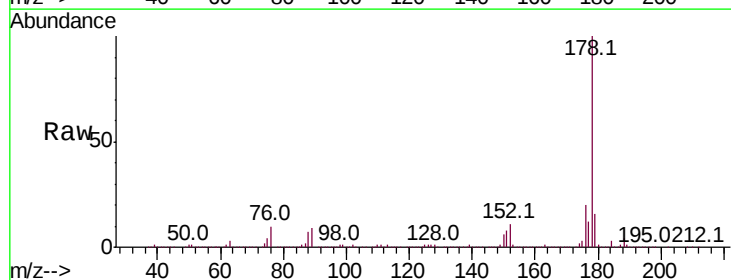
Manual Integrations
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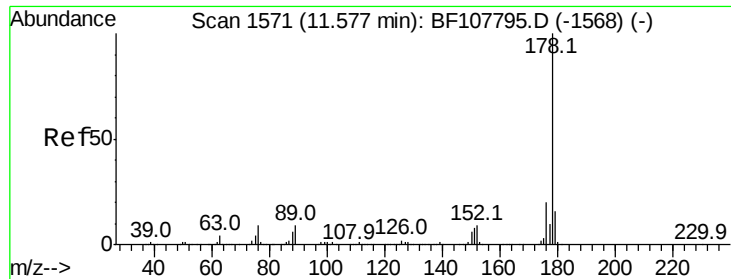
Sohil
7/31/2018 2:43:16 PM



#70
Phenanthrene
Concen: 41.645 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF107839.D
Acq: 31 Jul 2018 9:18

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	949559		
176	20.2		15.8	23.8
179	15.9		13.0	19.6





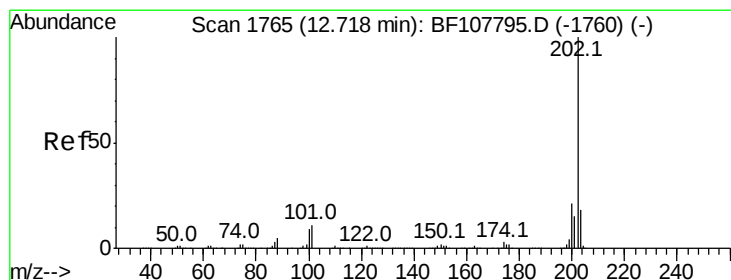
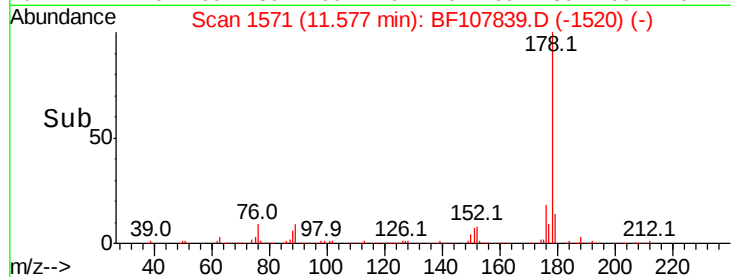
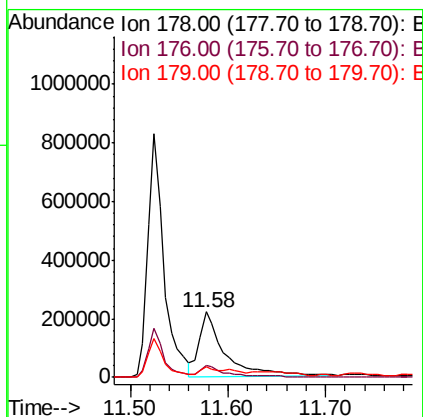
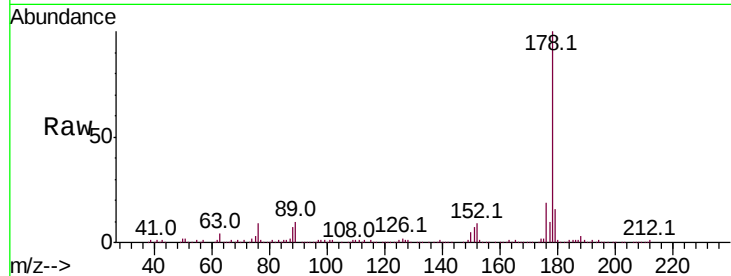
#71
 Anthracene
 Concen: 14.971 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF107839.D
 Acq: 31 Jul 2018 9:18

Instrument :
 BNA_F
 ClientSampled :
 SB-4(3-5)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.9	12.6	19.0

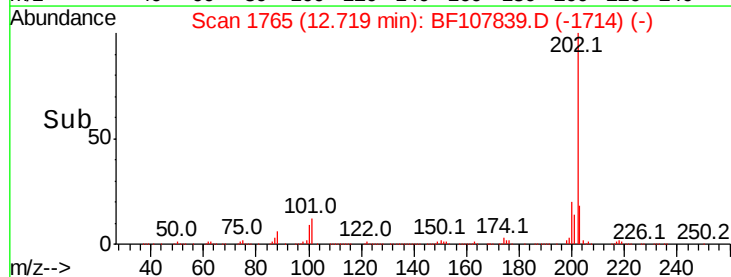
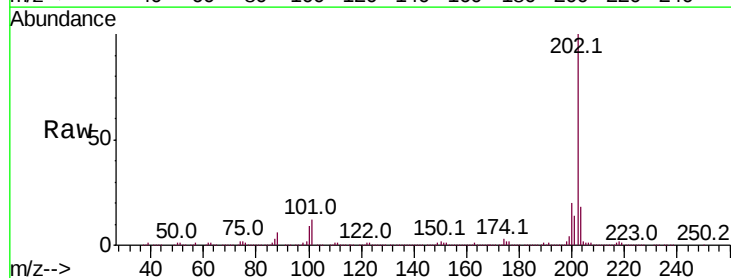
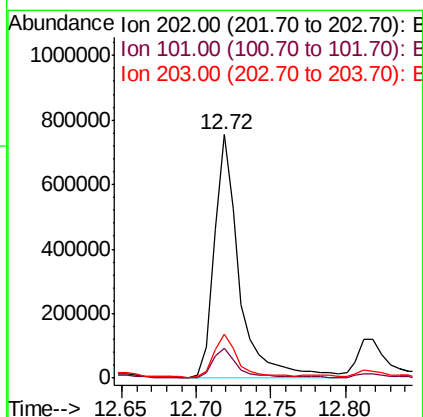
Manual Integrations
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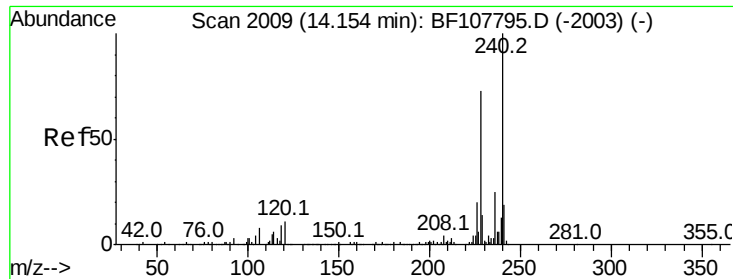
Sohil
 7/31/2018 2:43:16 PM



#74
 Fluoranthene
 Concen: 32.437 ng
 RT: 12.72 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: BF107839.D
 Acq: 31 Jul 2018 9:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	34.1
203	17.9	0.0	38.1





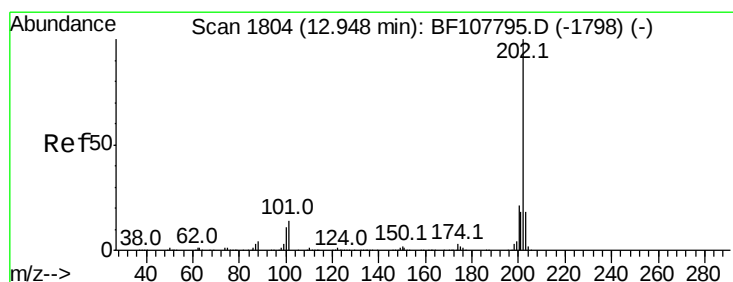
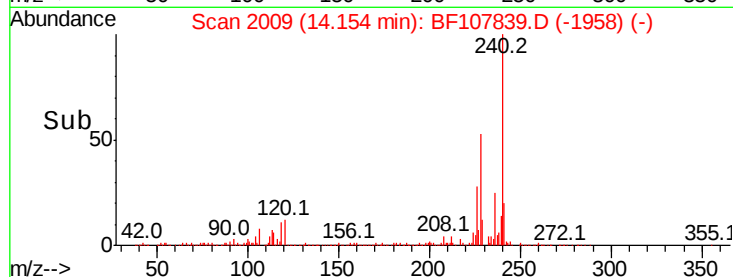
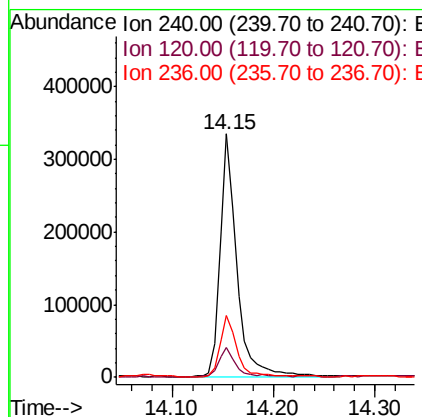
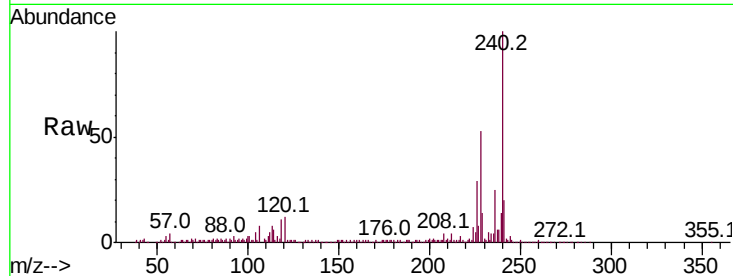
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BF107839.D
Acq: 31 Jul 2018 9:18

Instrument :
BNA_F
ClientSampleId :
SB-4(3-5)DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.3	9.5	14.3
236	25.4	20.7	31.1

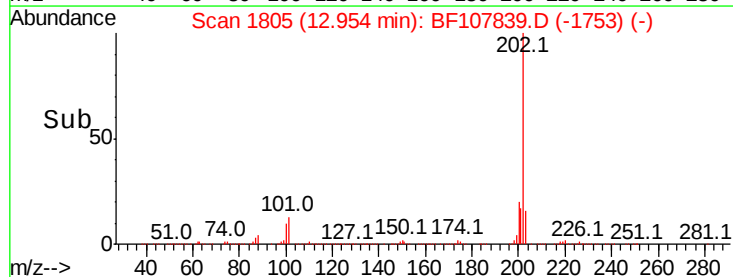
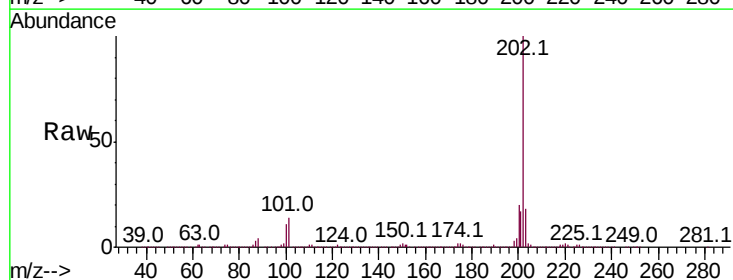
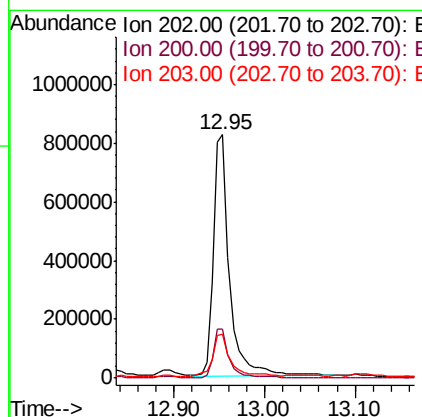
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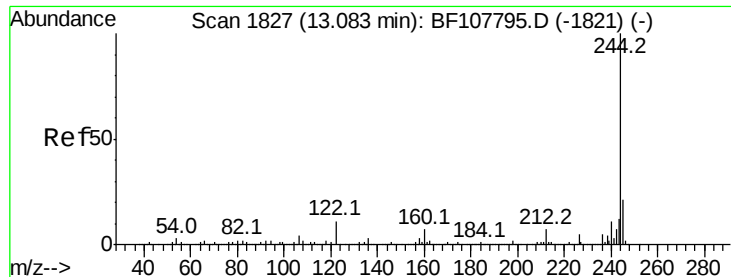
Sohil
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#77
Pyrene
Concen: 37.600 ng
RT: 12.95 min Scan# 1805
Delta R.T. 0.01 min
Lab File: BF107839.D
Acq: 31 Jul 2018 9:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.4	26.2
203	18.0	14.3	21.5





#78

Terphenyl-d14

Concen: 12.515 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

Instrument :

BNA_F

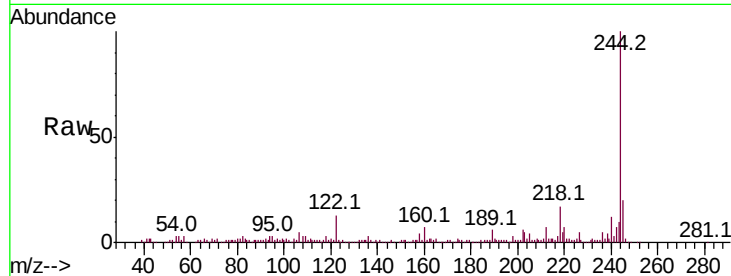
ClientSampleId :

SB-4(3-5)DL

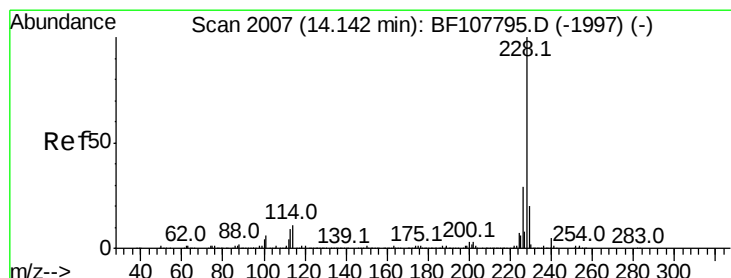
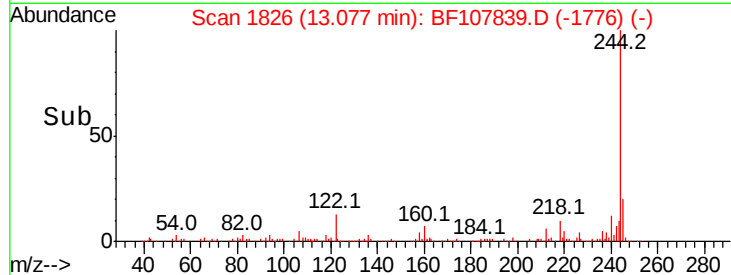
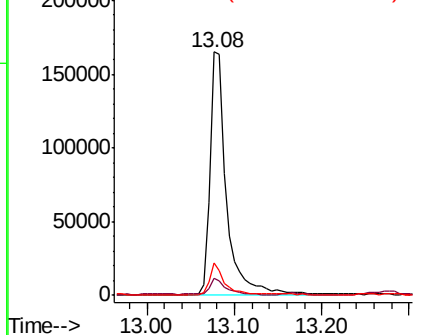
Tot Ion:	244	Resp:	219445
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.4	8.0
122	13.4	11.0	16.4

Manual Integrations
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 24.496 ng

RT: 14.14 min Scan# 2007

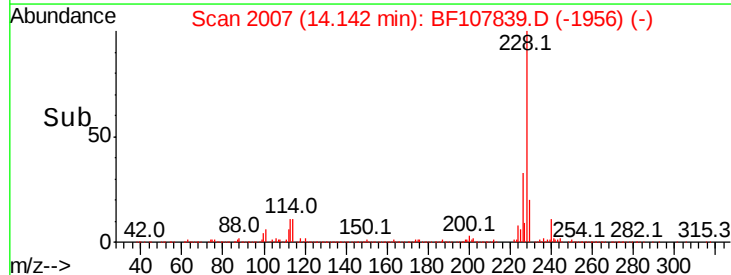
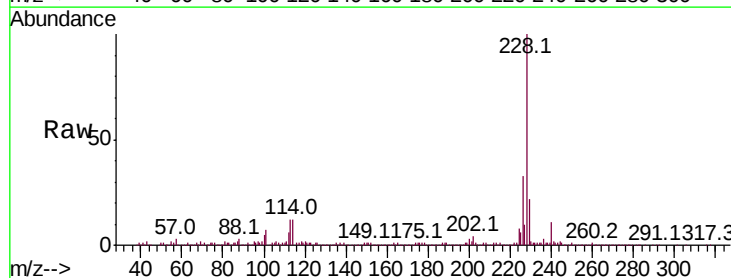
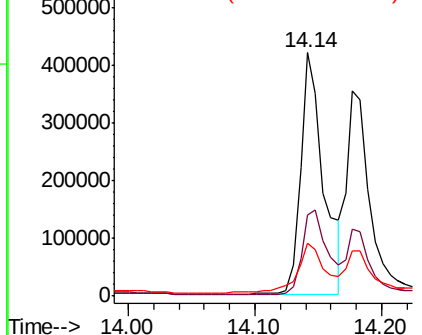
Delta R.T. 0.00 min

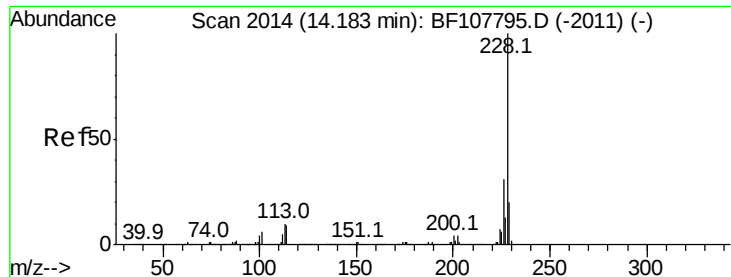
Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

Tgt Ion:	228	Resp:	527626
Ion Ratio	Lower	Upper	
228	100		
226	33.4	22.6	33.8
229	21.6	15.8	23.6

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





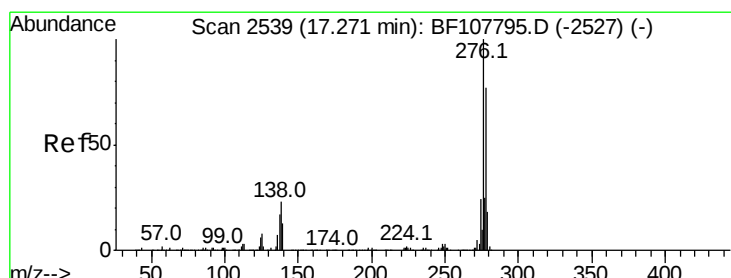
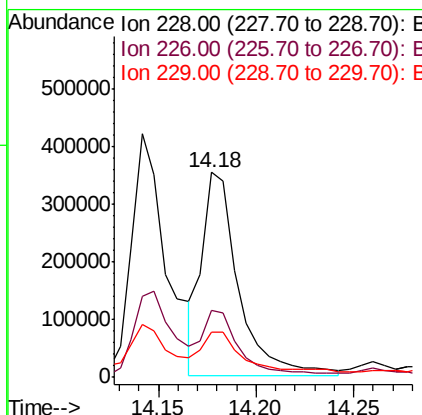
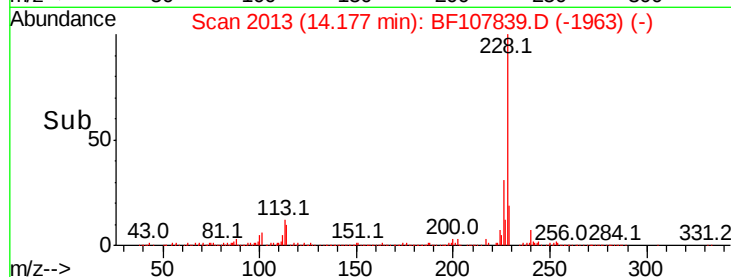
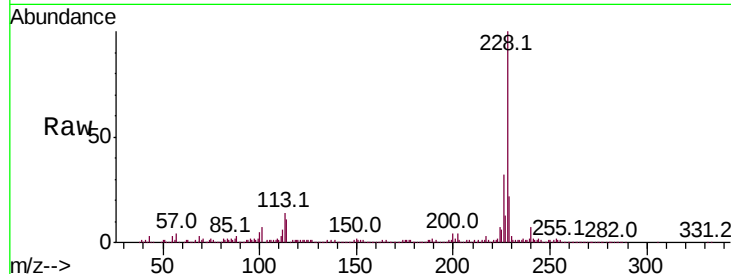
#82
Chrysene
Concen: 19.926 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF107839.D
Acq: 31 Jul 2018 9:18

Instrument :
BNA_F
ClientSampleId :
SB-4(3-5)DL

Tot Ion:	228	Resp:	462922
Ion Ratio	Lower	Upper	
228	100		
226	32.5	25.0	37.6
229	22.3	16.2	24.4

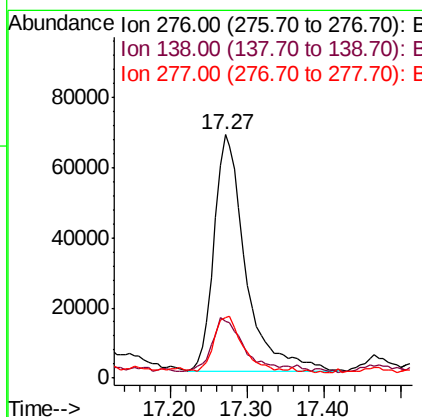
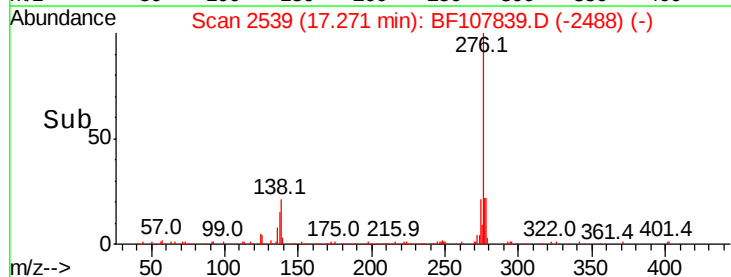
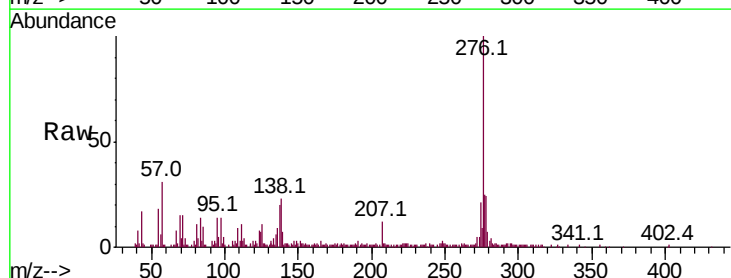
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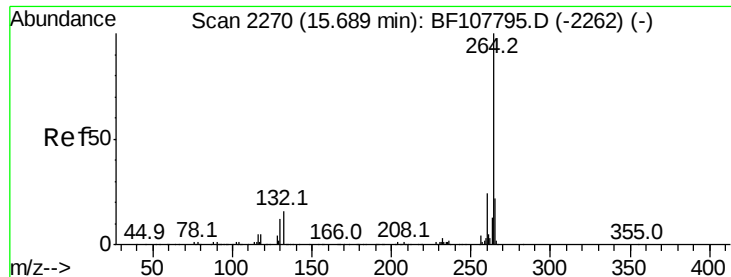
Sohil
7/31/2018 2:43:16 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 10.821 ng
RT: 17.27 min Scan# 2539
Delta R.T. 0.00 min
Lab File: BF107839.D
Acq: 31 Jul 2018 9:18

Tgt Ion:	276	Resp:	191220
Ion Ratio	Lower	Upper	
276	100		
138	22.5	25.0	37.6#
277	21.3	20.1	30.1





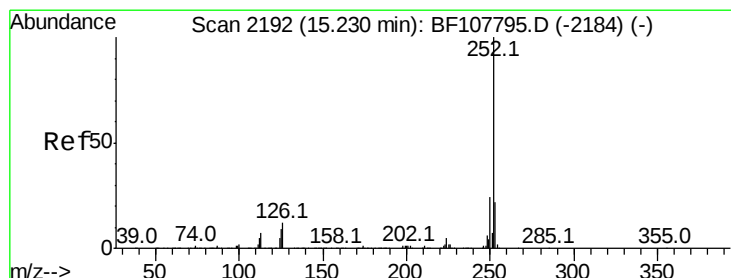
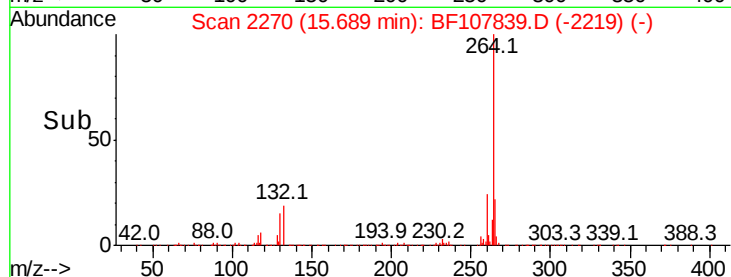
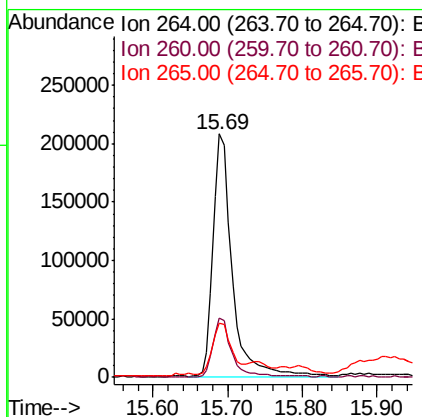
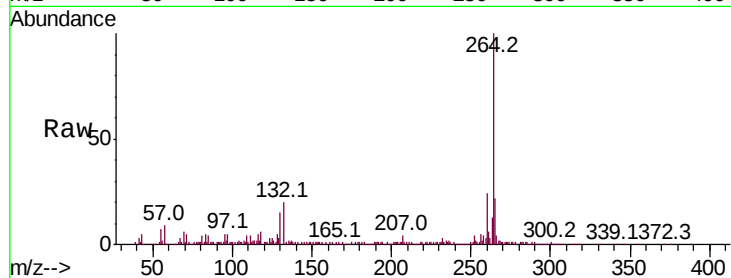
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF107839.D
Acq: 31 Jul 2018 9:18

Instrument :
BNA_F
ClientSampleId :
SB-4(3-5)DL

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

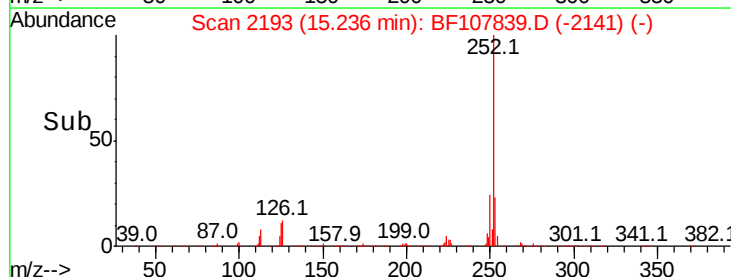
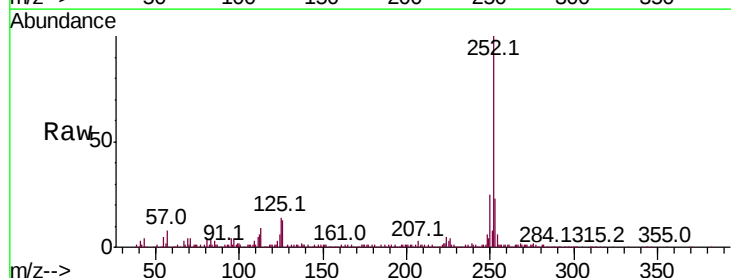
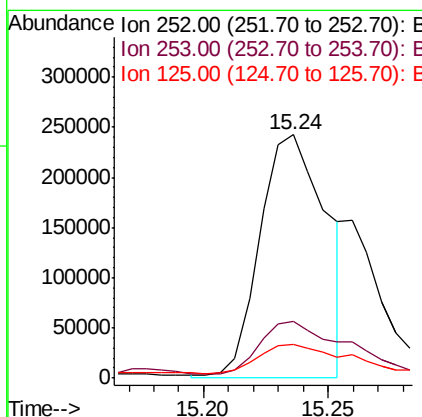
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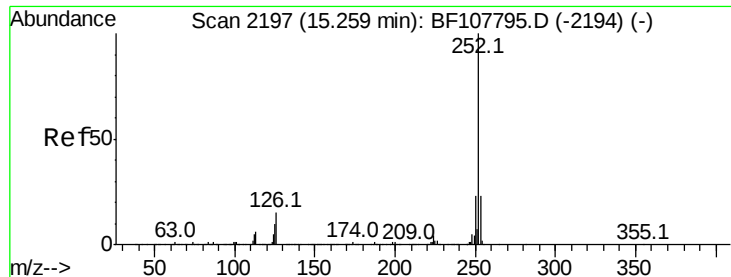
Sohil
7/31/2018 2:43:16 PM



#87
Benzo(b)fluoranthene
Concen: 24.854 ng m
RT: 15.24 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF107839.D
Acq: 31 Jul 2018 9:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	13.7	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 7.796 ng/mL

RT: 15.26 min Scan# 2197

Delta R.T. 0.00 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

Instrument :

BNA_F

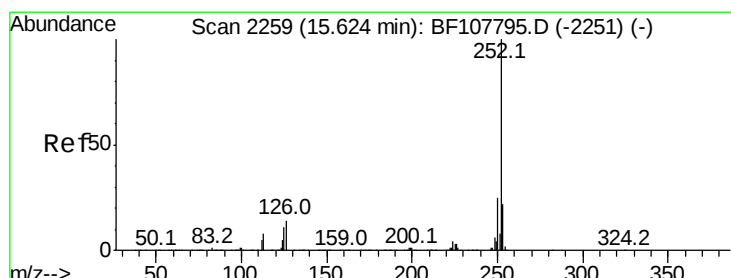
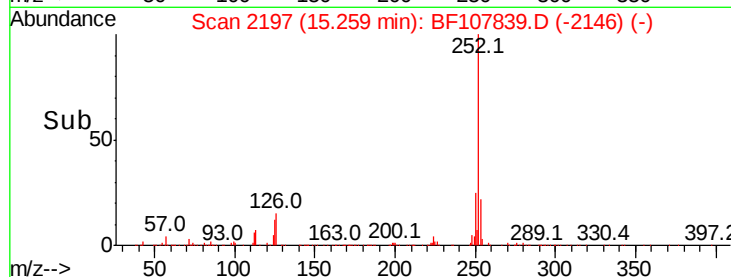
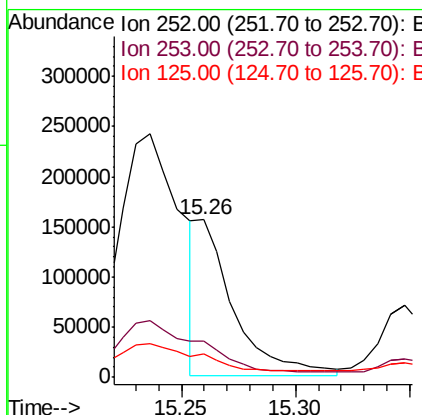
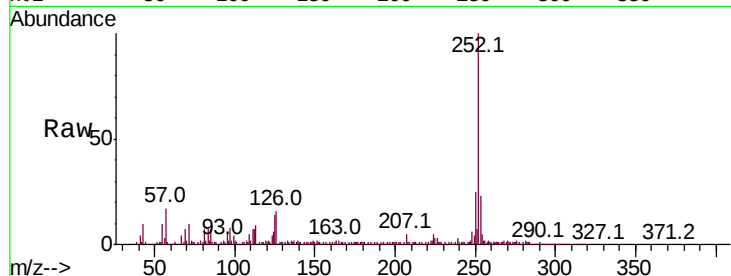
ClientSampleId :

SB-4(3-5)DL

Tot Ion:	252	Resp:	174234
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.9	26.9
125	14.5	10.2	15.2

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 21.352 ng/mL

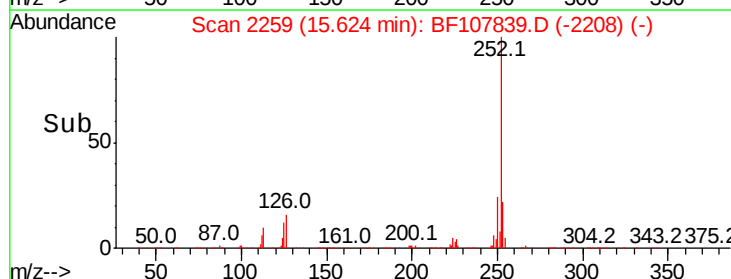
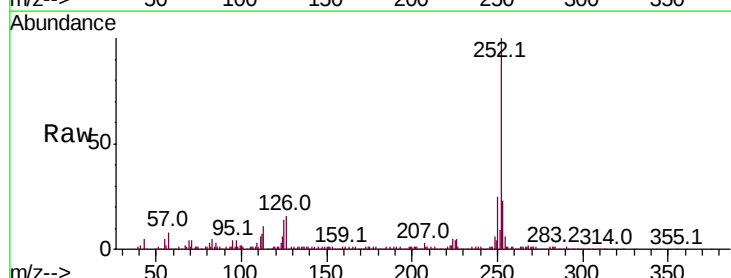
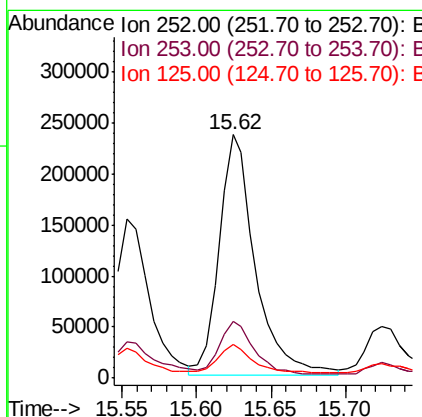
RT: 15.62 min Scan# 2259

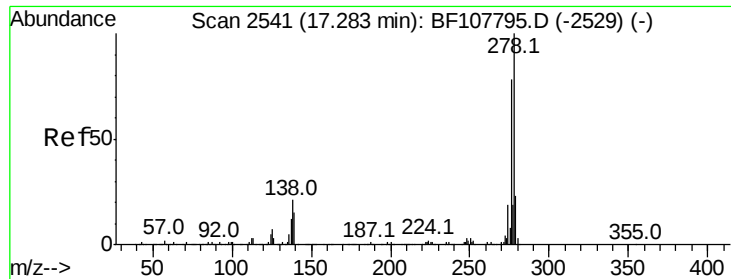
Delta R.T. 0.00 min

Lab File: BF107839.D

Acq: 31 Jul 2018 9:18

Tgt Ion:	252	Resp:	401250
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.1	25.7
125	13.9	9.8	14.6





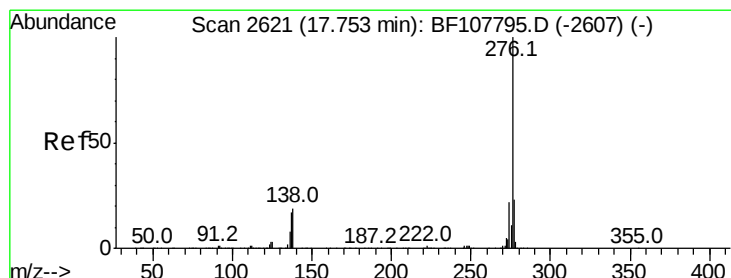
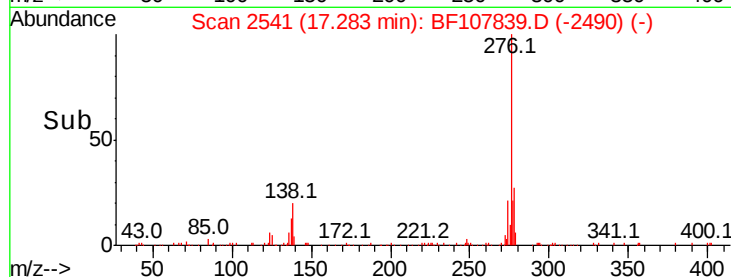
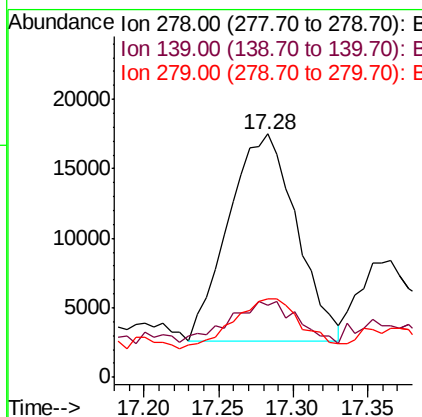
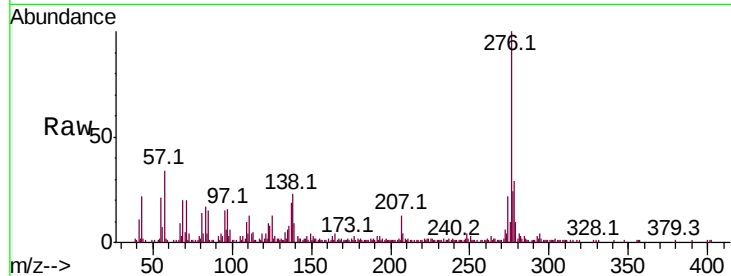
#90
Dibenzo(a,h)anthracene
Concen: 2.886 ng
RT: 17.28 min Scan# 2541
Delta R.T. 0.00 min
Lab File: BF107839.D
Acq: 31 Jul 2018 9:18

Instrument :
BNA_F
ClientSampleId :
SB-4(3-5)DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	29.4	15.9	23.9#
279	32.4	19.0	28.4#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 11.965 ng
RT: 17.76 min Scan# 2622
Delta R.T. 0.01 min
Lab File: BF107839.D
Acq: 31 Jul 2018 9:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.9	26.9
138	24.9	21.8	32.8

