

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080918\
 Data File : BF108070.D
 Acq On : 10 Aug 2018 00:13
 Operator : JU/SJ
 Sample : J4388-05 2X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-3A

Manual Integrations
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 8/10/2018 12:13:36 PM

Quant Time: Aug 10 03:29:28 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	289398	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1083369	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	503822	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	840862	20.00	ng	0.00
75) Chrysene-d12	14.22	240	646154	20.00	ng	0.00
86) Perylene-d12	15.78	264	524605	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	950149	59.44	ng	0.00
7) Phenol-d6	6.62	99	1295058	60.97	ng	0.00
23) Nitrobenzene-d5	7.57	82	813167	41.88	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	259901	51.72	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1370211	43.66	ng	0.00
78) Terphenyl-d14	13.15	244	1162359	45.74	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.77	163	220233	6.275	ng	Qvalue # 98
51) Acenaphthene	10.10	154	166519	5.857	ng	99
54) Dibenzofuran	10.27	168	122515	2.975	ng	99
57) Fluorene	10.61	166	242543	7.439	ng	96
70) Phenanthrene	11.59	178	3162005m	79.727	ng	
71) Anthracene	11.64	178	803772	19.773	ng	99
72) Carbazole	11.79	167	527124	14.595	ng	98
73) Di-n-butylphthalate	12.11	149	83440	2.040	ng	99
74) Fluoranthene	12.80	202	4559018	105.327	ng	88
77) Pyrene	13.02	202	4076001	99.638	ng	# 85
80) Benzo(a)anthracene	14.21	228	2263928	61.051	ng	94
82) Chrysene	14.25	228	2189190m	64.393	ng	
83) Bis(2-ethylhexyl)phthalate	14.17	149	53046	2.411	ng	99
85) Indeno(1,2,3-cd)pyrene	17.40	276	860489	29.212	ng	# 87
87) Benzo(b)fluoranthene	15.32	252	2468428m	78.745	ng	
88) Benzo(k)fluoranthene	15.34	252	746285m	25.898	ng	
89) Benzo(a)pyrene	15.72	252	1544052	55.006	ng	96
90) Dibenzo(a,h)anthracene	17.41	278	201563	8.678	ng	95
91) Benzo(a,h,i)perylene	17.90	276	799115	34.942	ng	# 90

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

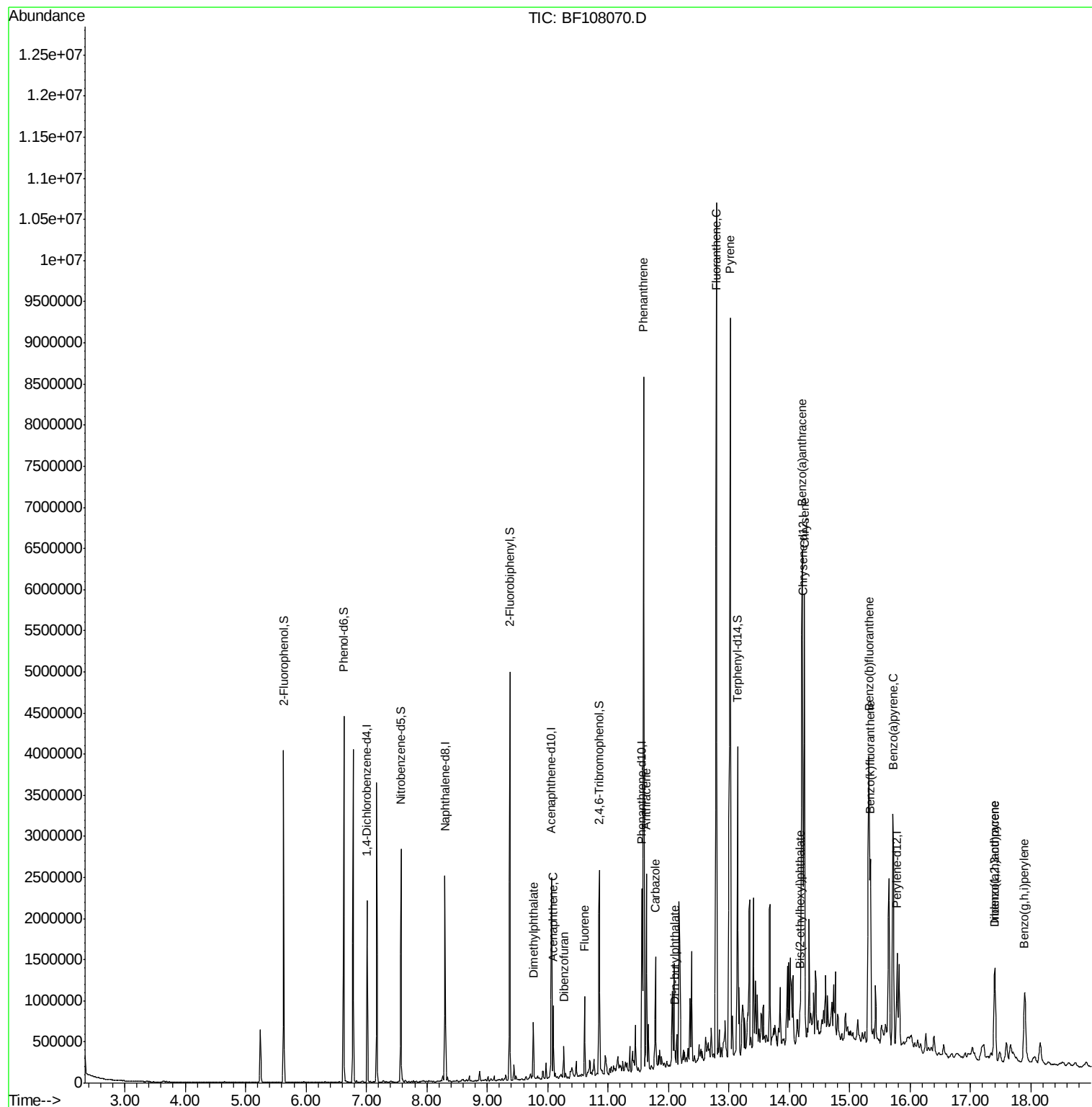
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080918\
Data File : BF108070.D
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

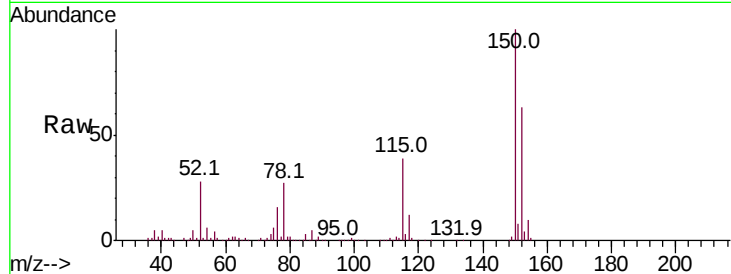
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108070.D
Acq: 10 Aug 2018 00:13

Instrument :
BNA_F
ClientSampled :
S-3A

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.6	186.8
115	61.4	50.1	75.1

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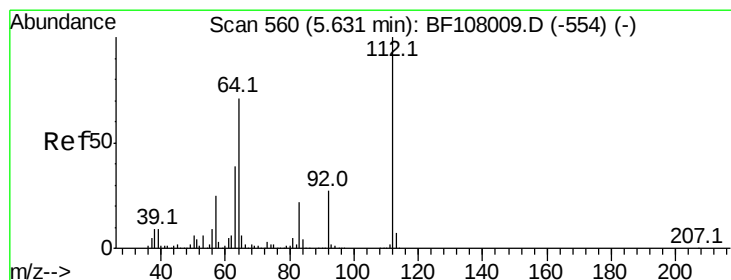
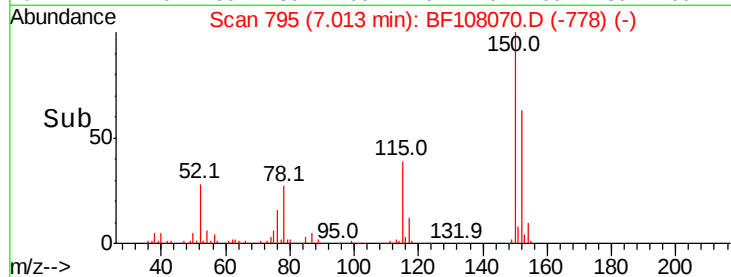
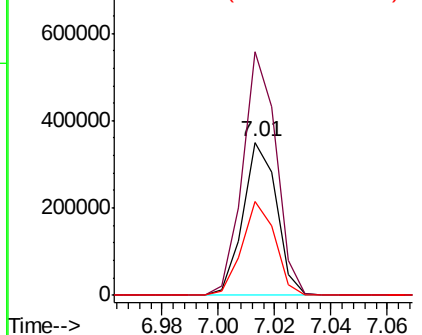


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

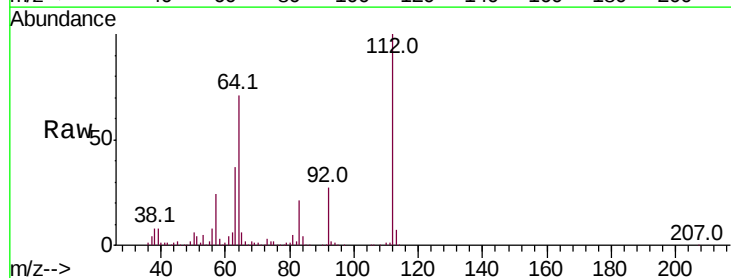
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 59.441 ng
RT: 5.63 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF108070.D
Acq: 10 Aug 2018 00:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.3	47.9	71.9
63	37.4	23.7	35.5#

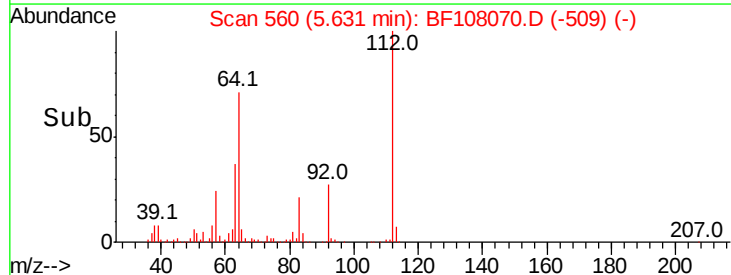
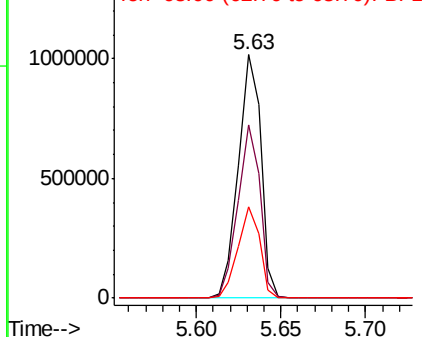


Abundance

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: 60.968 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108070.D

Acq: 10 Aug 2018 00:13

Instrument :

BNA_F

ClientSampled :

S-3A

Tot Ion: 99 Resp: 1295058

Ion Ratio Lower Upper

99 100

42 23.4 14.5 21.7#

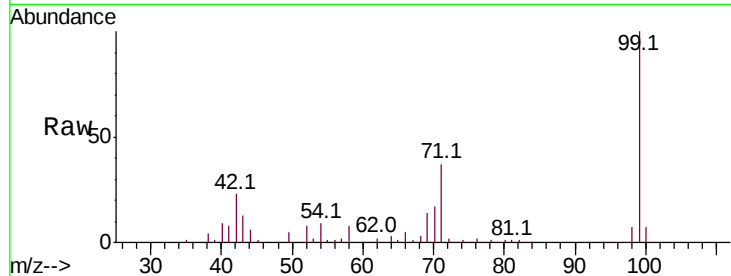
71 37.0 25.4 38.0

Manual Integrations

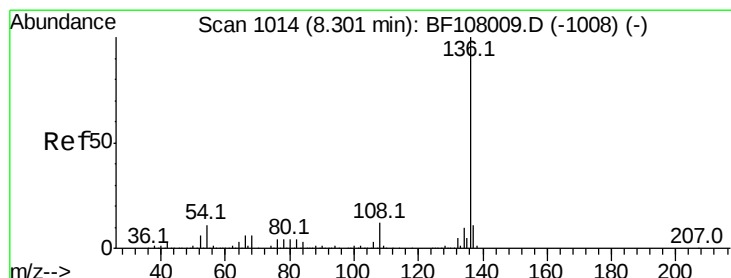
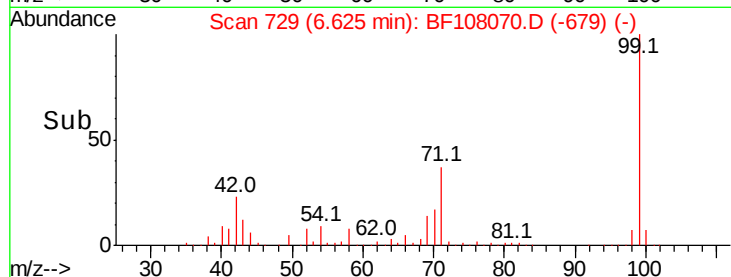
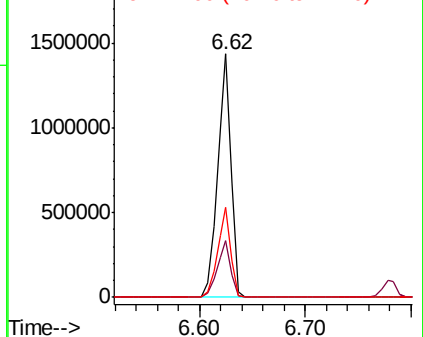
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108070.D

Acq: 10 Aug 2018 00:13

Tgt Ion:136 Resp: 1083369

Ion Ratio Lower Upper

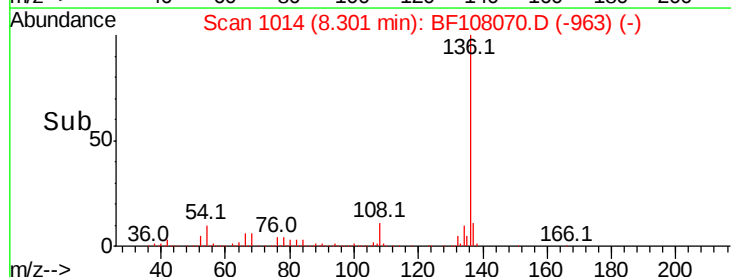
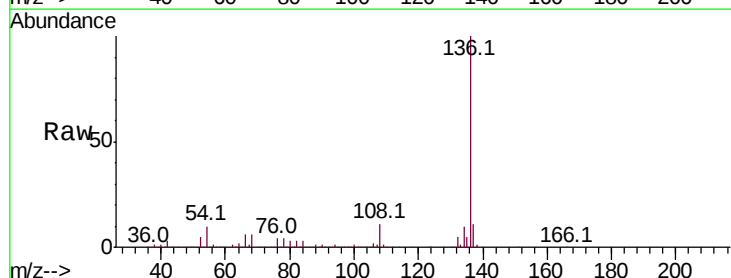
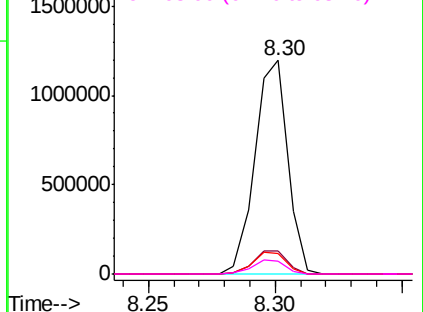
136 100

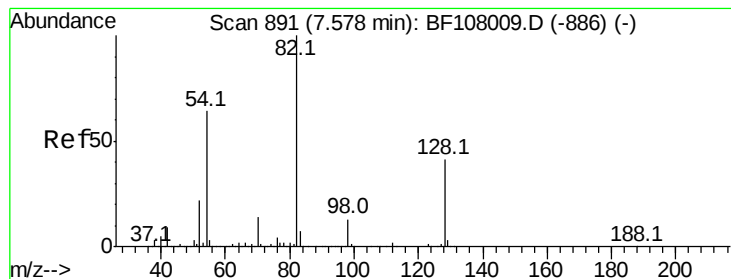
137 11.0 8.9 13.3

54 9.7 6.6 9.8

68 6.3 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: 41.884 ng

RT: 7.57 min Scan# 890

Delta R.T. -0.01 min

Lab File: BF108070.D

Acq: 10 Aug 2018 00:13

Instrument :

BNA_F

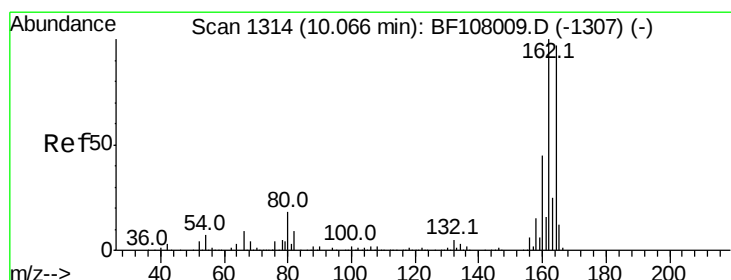
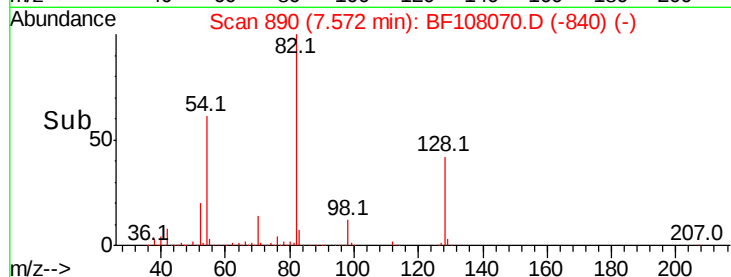
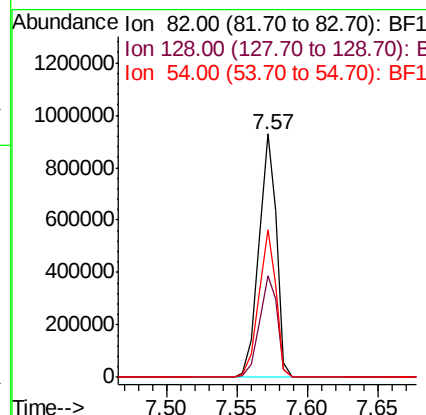
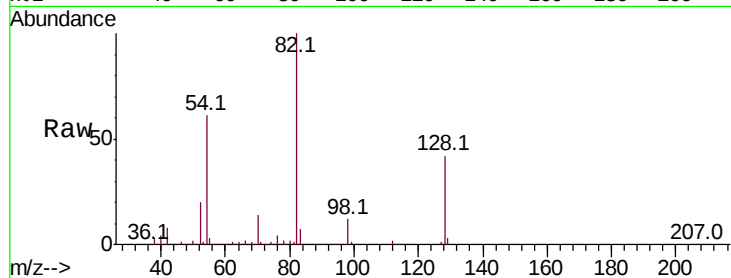
ClientSampled :

S-3A

Tot Ion:	82	Resp:	813167
Ion Ratio	Lower	Upper	
82	100		
128	41.7	36.1	54.1
54	60.9	41.4	62.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

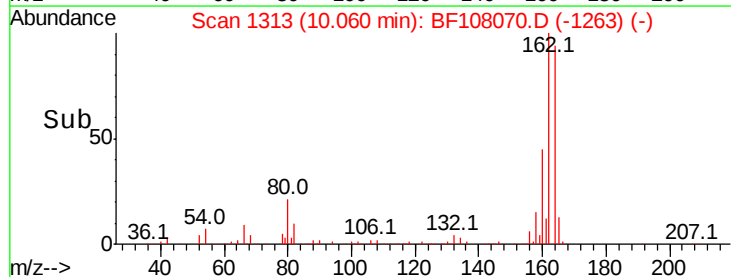
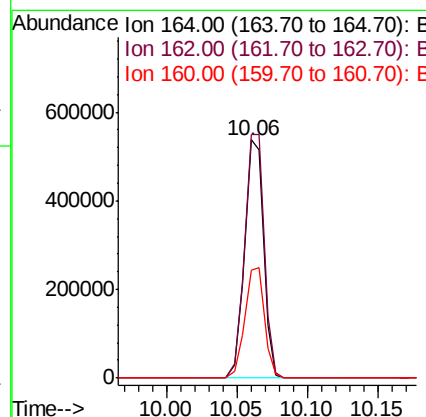
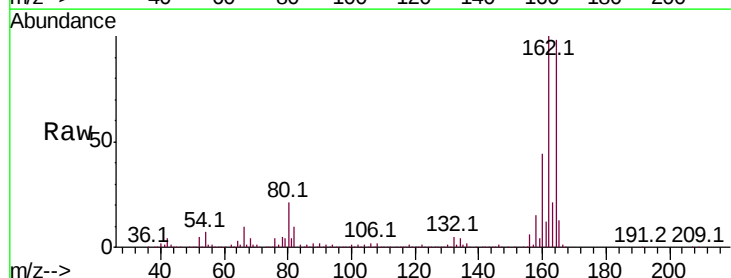
RT: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108070.D

Acq: 10 Aug 2018 00:13

Tgt Ion:	164	Resp:	503822
Ion Ratio	Lower	Upper	
164	100		
162	102.1	86.1	129.1
160	45.4	38.3	57.5





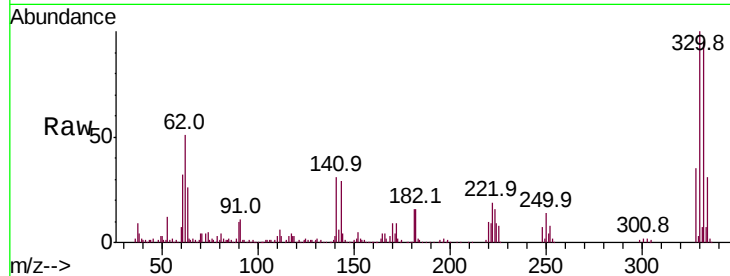
#41
 2,4,6-Tribromophenol
 Concen: 51.716 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108070.D
 Acq: 10 Aug 2018 00:13

Instrument :
 BNA_F
 ClientSampled :
 S-3A

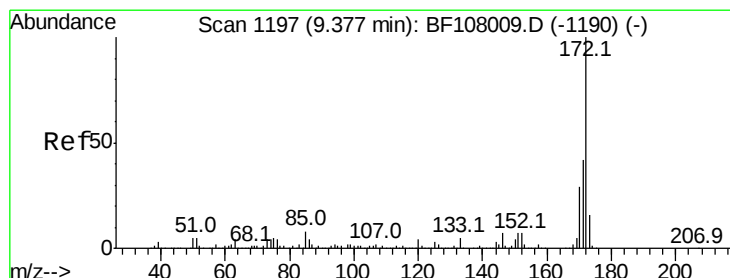
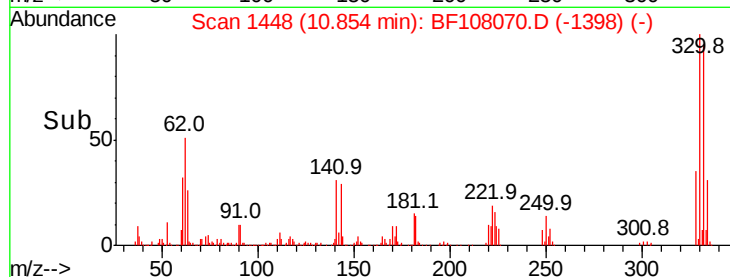
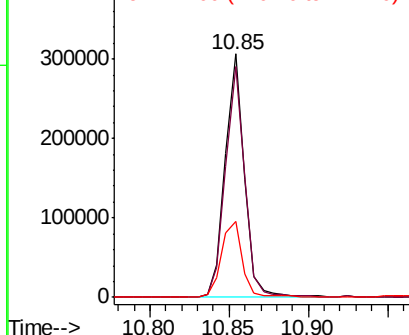
Tot Ion	Ratio	Resp	Lower	Upper
330	100	259901		
332	95.0	77.0	115.6	
141	33.9	29.9	44.9	

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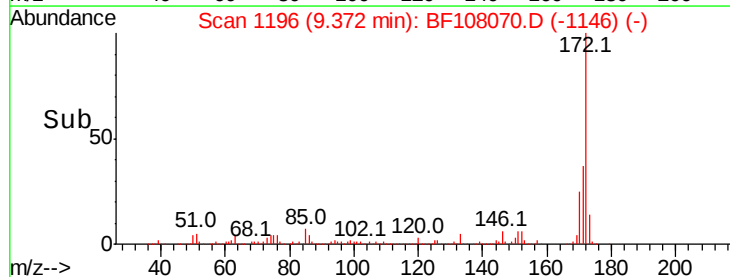
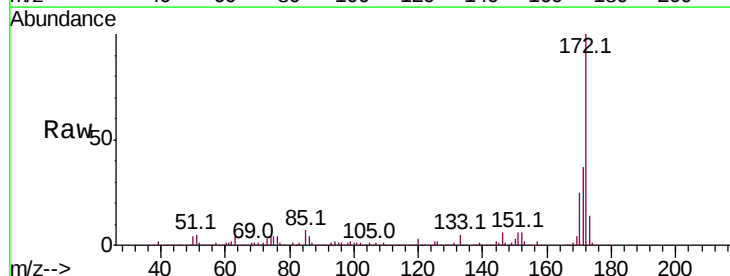
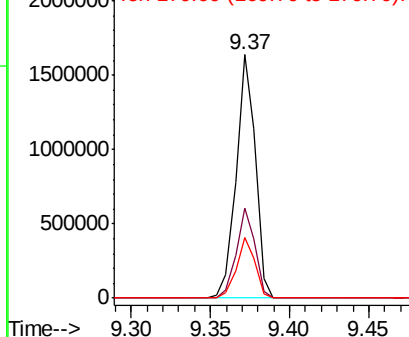
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 43.663 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108070.D
 Acq: 10 Aug 2018 00:13

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1370211		
171	37.2	29.7	44.5	
170	25.1	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





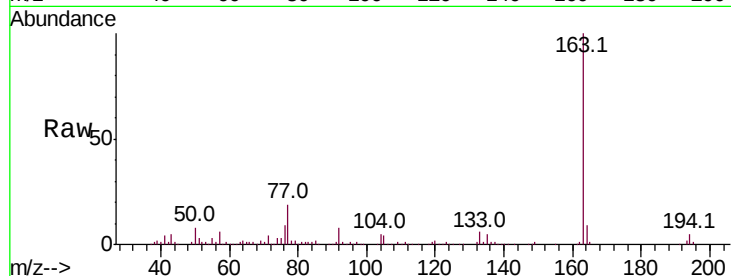
#49
Dimethylphthalate
Concen: 6.275 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108070.D
Acq: 10 Aug 2018 00:13

Instrument :
BNA_F
ClientSampled :
S-3A

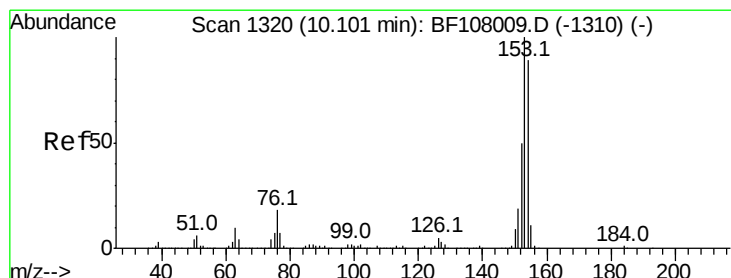
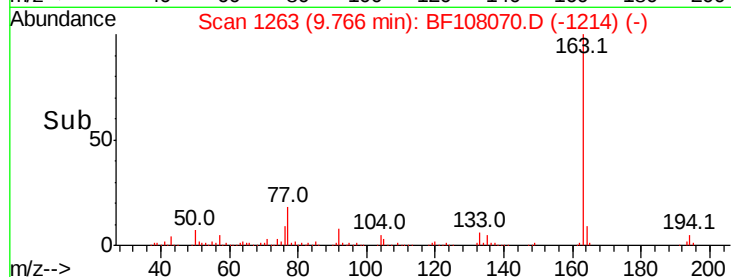
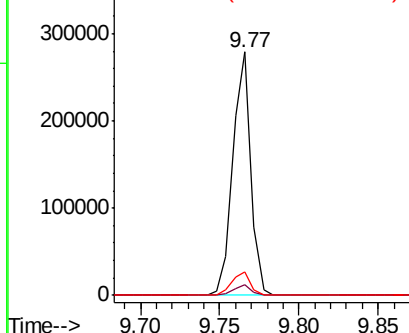
Tot Ion	Ratio	Resp	Lower	Upper
163	100	220233		
194	4.6	2.7	4.1#	
164	9.4	8.2	12.2	

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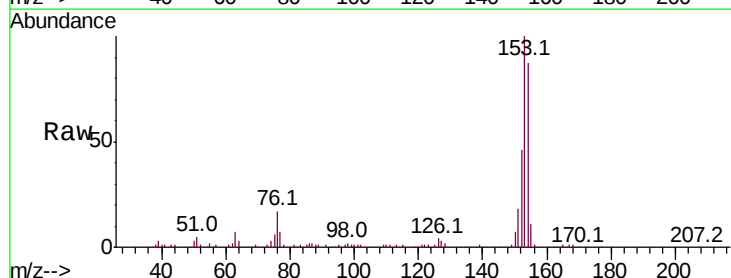


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

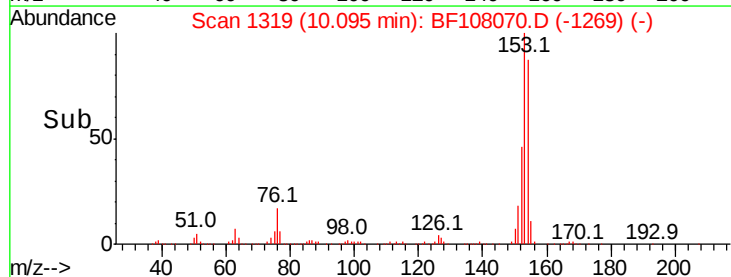
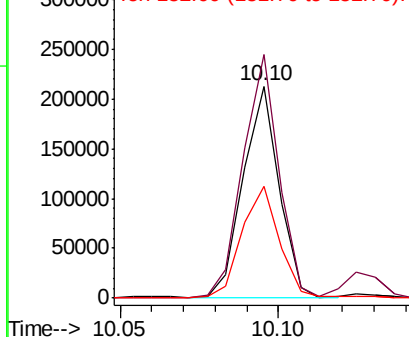


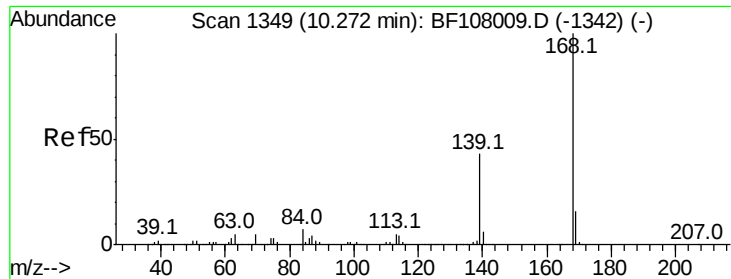
#51
Acenaphthene
Concen: 5.857 ng
RT: 10.10 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF108070.D
Acq: 10 Aug 2018 00:13

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	166519		
153	114.8	91.2	136.8	
152	52.7	43.8	65.8	



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





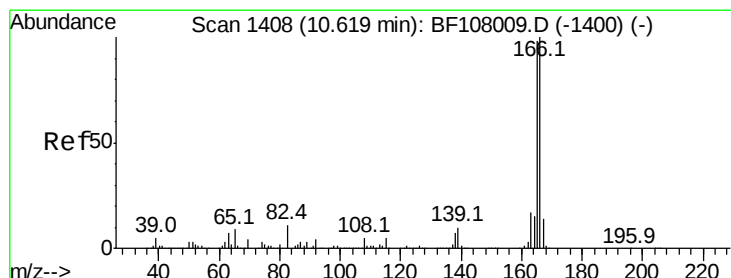
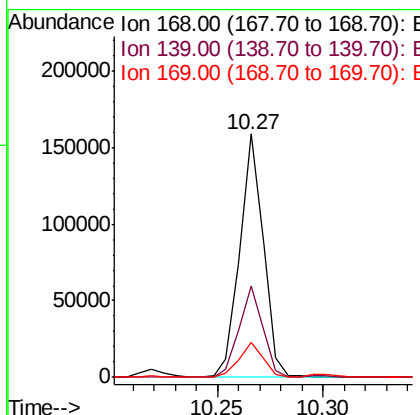
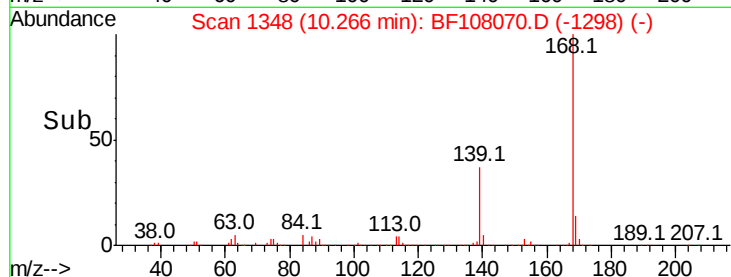
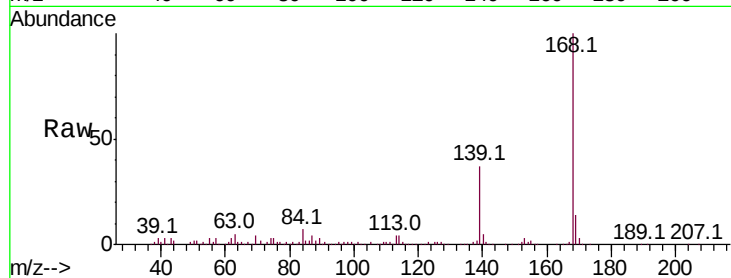
#54
Dibenzofuran
Concen: 2.975 ng
RT: 10.27 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF108070.D
Acq: 10 Aug 2018 00:13

Instrument :
BNA_F
ClientSampleId :
S-3A

Tot Ion	Ratio	Resp Lower	Resp Upper
168	100		
139	37.4	30.1	45.1
169	14.2	10.9	16.3

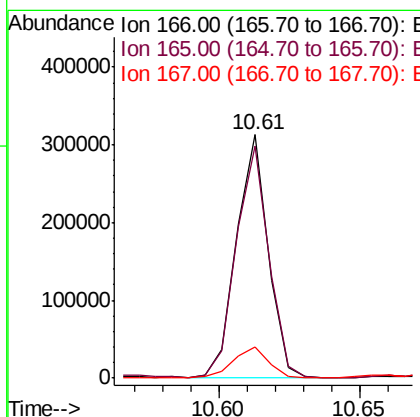
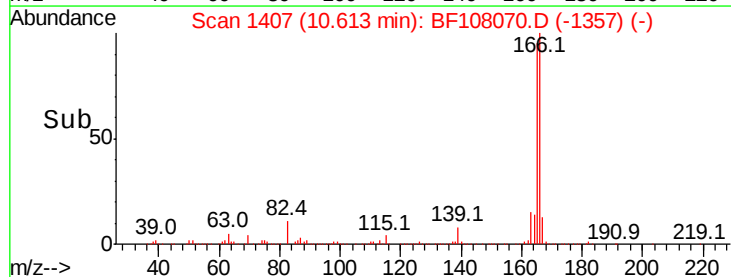
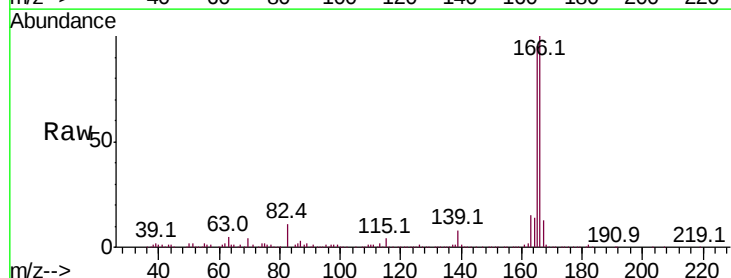
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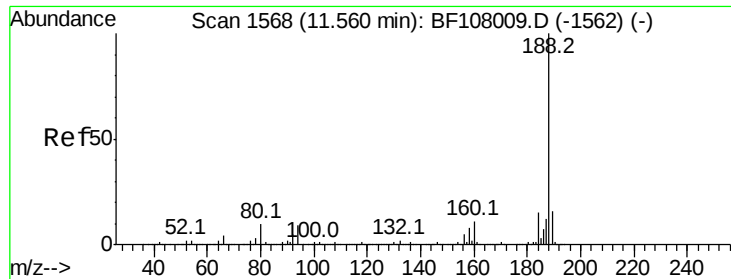
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#57
Fluorene
Concen: 7.439 ng
RT: 10.61 min Scan# 1407
Delta R.T. -0.01 min
Lab File: BF108070.D
Acq: 10 Aug 2018 00:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
166	100		
165	95.4	79.8	119.8
167	13.0	10.6	16.0





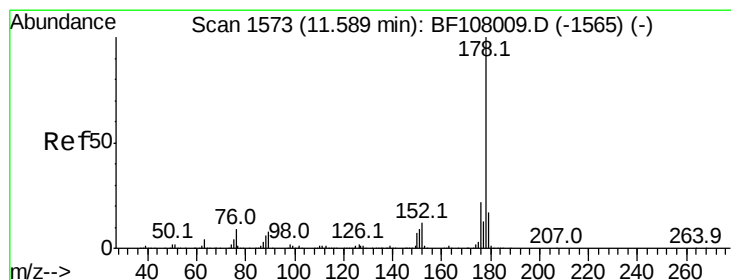
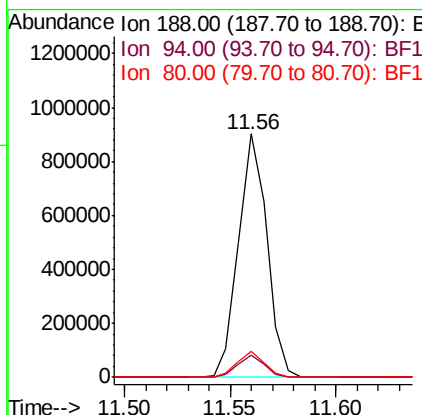
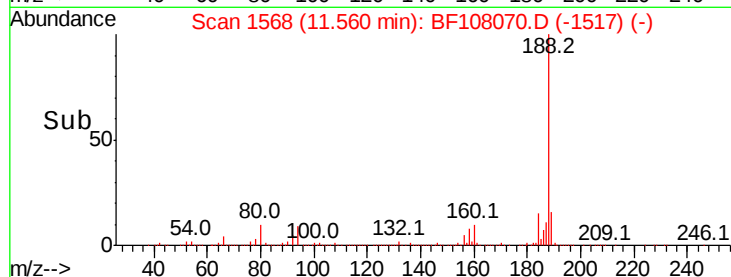
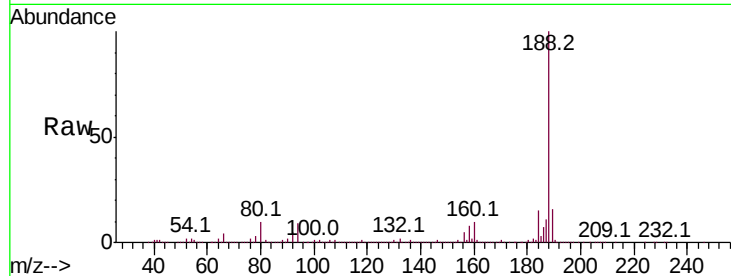
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.56 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BF108070.D
Acq: 10 Aug 2018 00:13

Instrument :
BNA_F
ClientSampleId :
S-3A

Tot Ion	Ratio	Resp	Lower	Upper
188	100	840862		
94	9.0		8.5	12.7
80	10.4		9.2	13.8

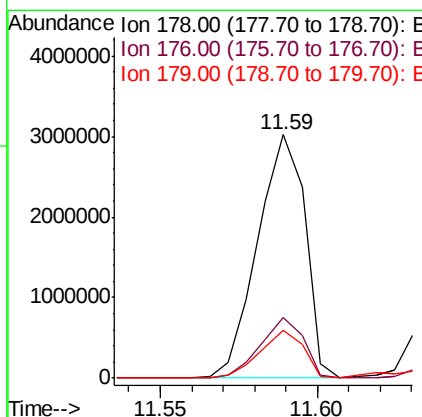
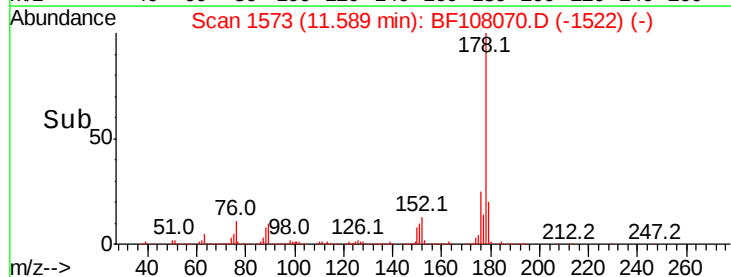
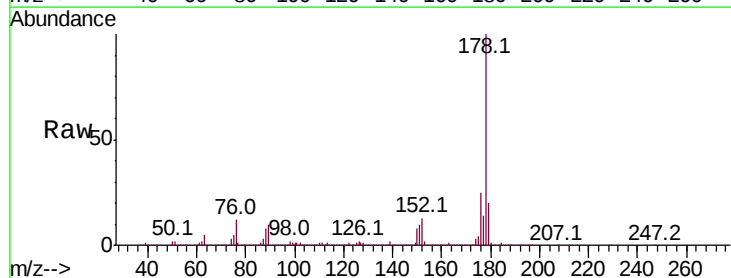
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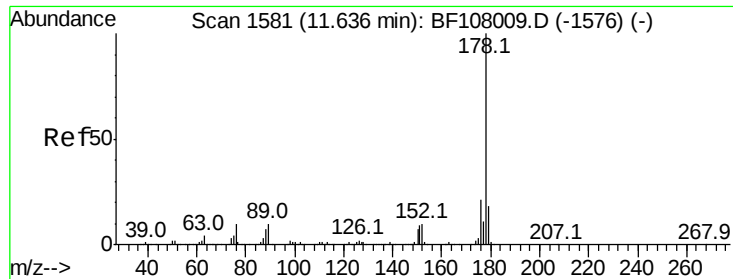
Sohil
8/10/2018 12:13:36 PM



#70
Phenanthrene
Concen: 79.727 ng m
RT: 11.59 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF108070.D
Acq: 10 Aug 2018 00:13

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	3162005		
176	24.6		15.8	23.8#
179	19.6		13.0	19.6#





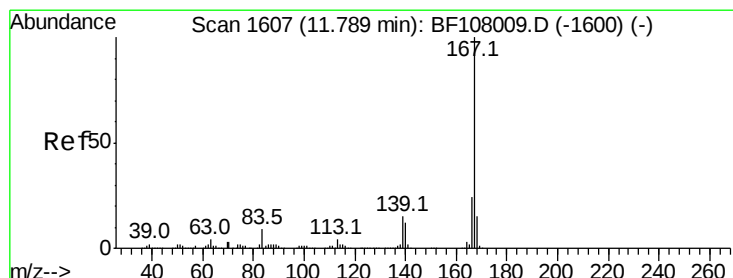
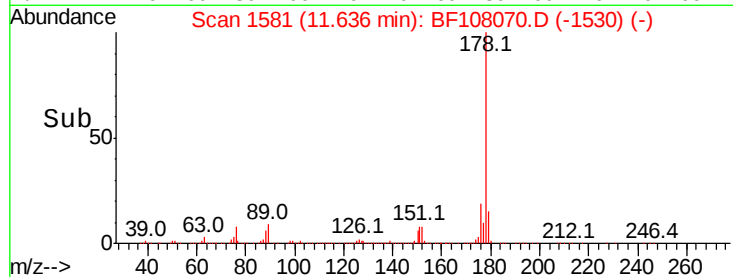
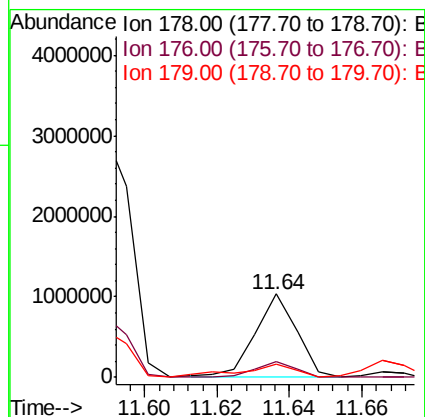
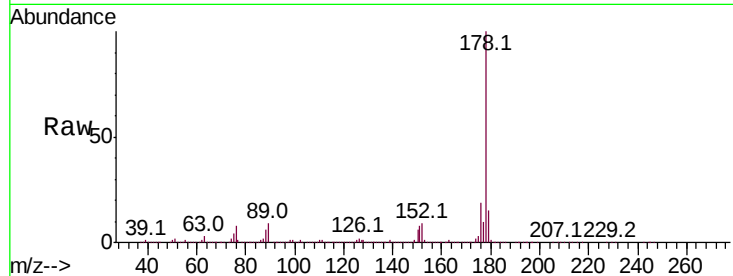
#71
 Anthracene
 Concen: 19.773 ng
 RT: 11.64 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: BF108070.D
 Acq: 10 Aug 2018 00:13

Instrument :
 BNA_F
 ClientSampleId :
 S-3A

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.5	12.6	19.0

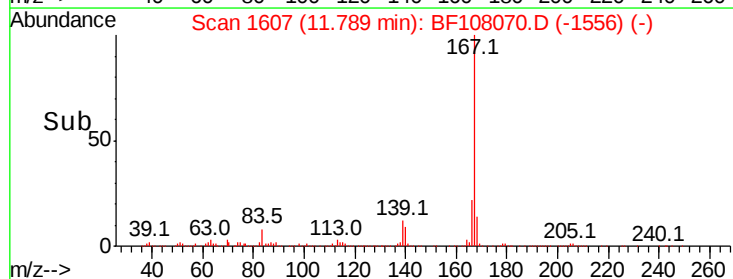
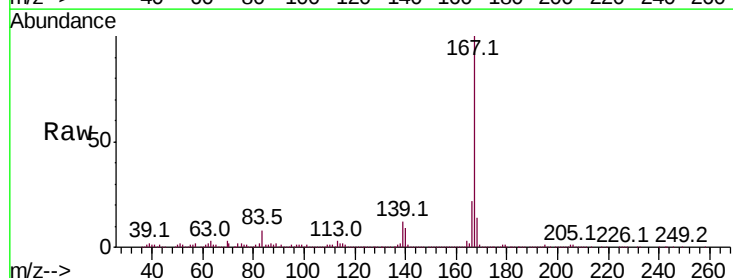
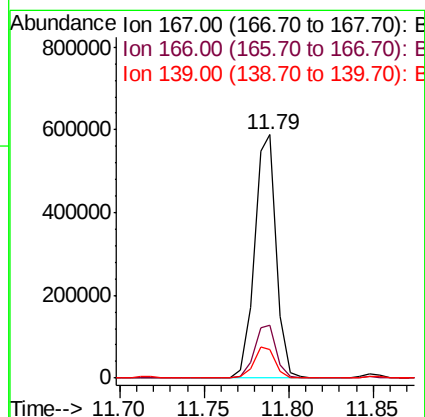
Manual Integrations
 APPROVED

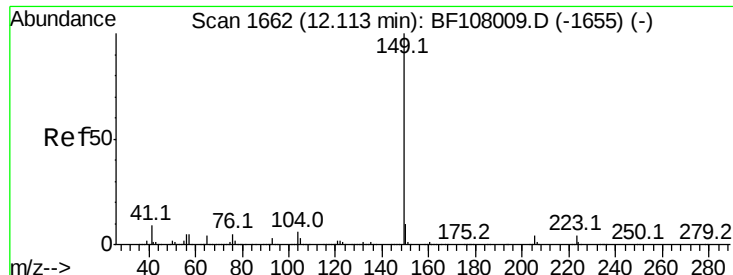
Sohil
 8/10/2018 12:13:36 PM



#72
 Carbazole
 Concen: 14.595 ng
 RT: 11.79 min Scan# 1607
 Delta R.T. 0.00 min
 Lab File: BF108070.D
 Acq: 10 Aug 2018 00:13

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	11.9	10.9	16.3





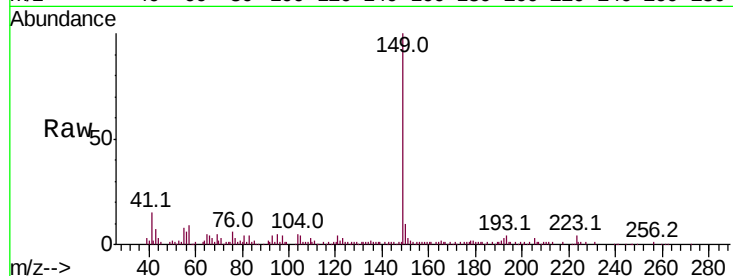
#73
Di-n-butylphthalate
Concen: 2.040 ng
RT: 12.11 min Scan# 1661
Delta R.T. -0.01 min
Lab File: BF108070.D
Acq: 10 Aug 2018 00:13

Instrument :
BNA_F
ClientSampled :
S-3A

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
150	9.9	7.8	11.6	
104	5.2	3.8	5.8	

Manual Integrations
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Sohil
8/10/2018 12:13:36 PM

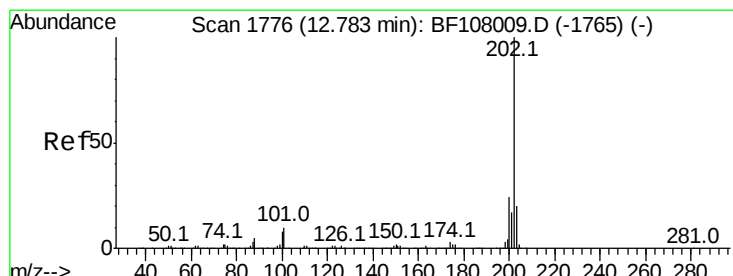
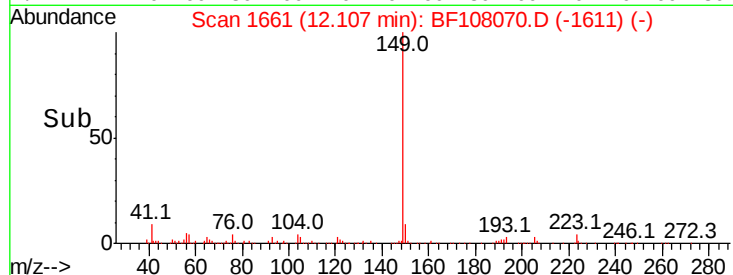
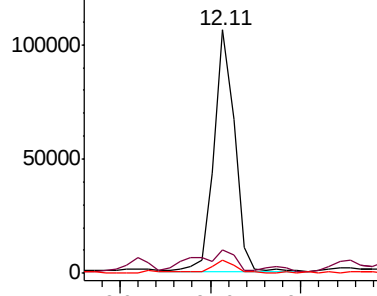


Abundance

Ion 149.00 (148.70 to 149.70): E

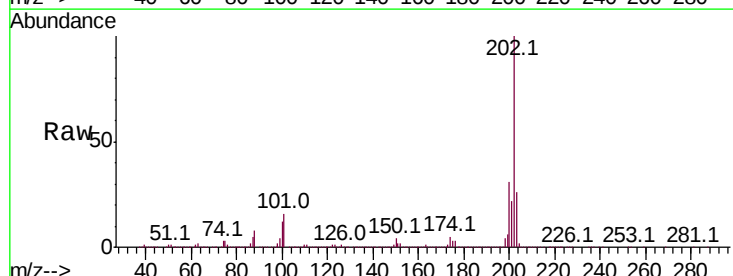
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74
Fluoranthene
Concen: 105.327 ng
RT: 12.80 min Scan# 1778
Delta R.T. 0.01 min
Lab File: BF108070.D
Acq: 10 Aug 2018 00:13

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	15.8	0.0	34.1	
203	25.8	0.0	38.1	

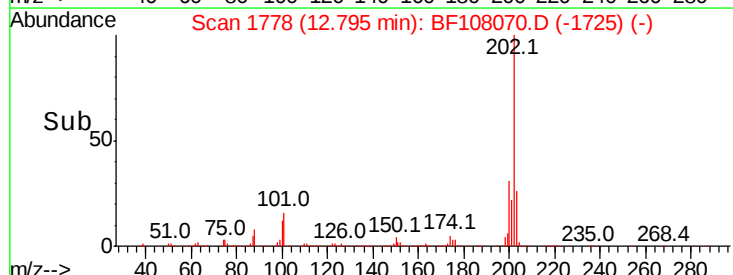
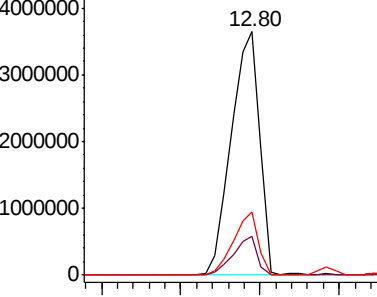


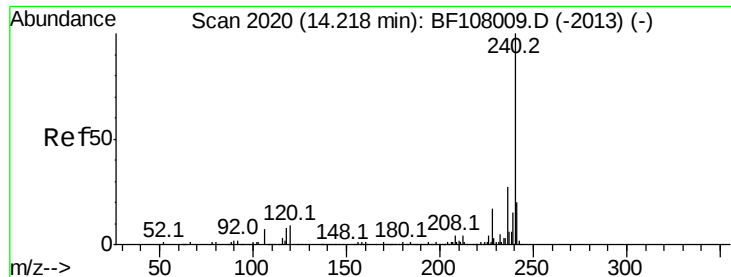
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.22 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BF108070.D

Acq: 10 Aug 2018 00:13

Instrument :

BNA_F

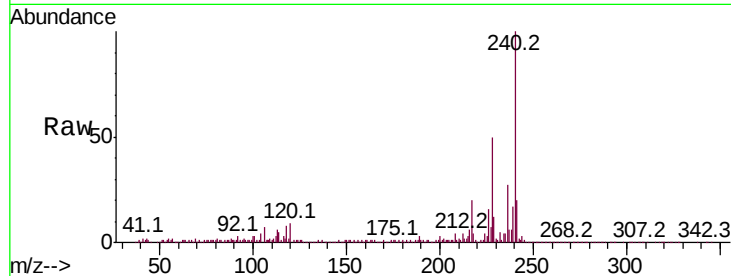
ClientSampleId :

S-3A

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.2	9.5	14.3#
236	26.9	20.7	31.1

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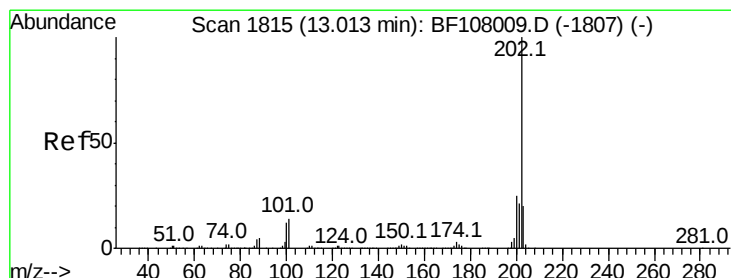
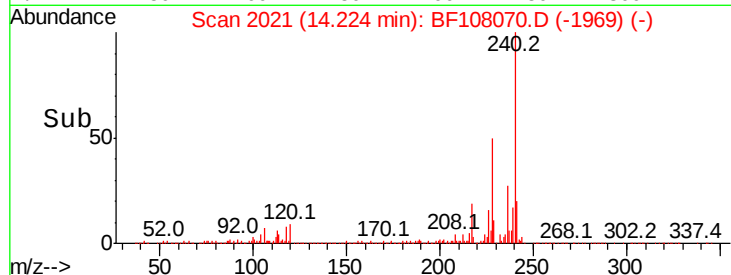
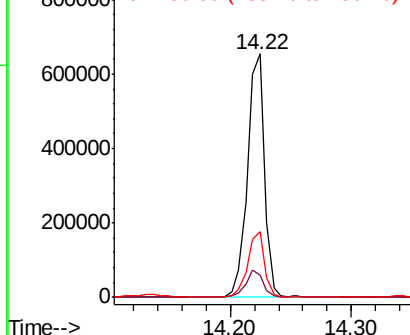


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 99.638 ng

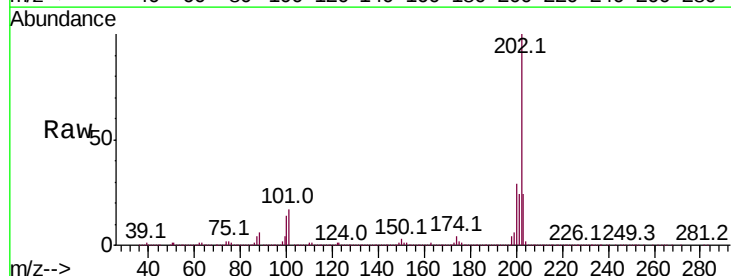
RT: 13.02 min Scan# 1817

Delta R.T. 0.01 min

Lab File: BF108070.D

Acq: 10 Aug 2018 00:13

Tgt Ion	Ratio	Lower	Upper
202	100		
200	29.0	17.4	26.2#
203	24.5	14.3	21.5#

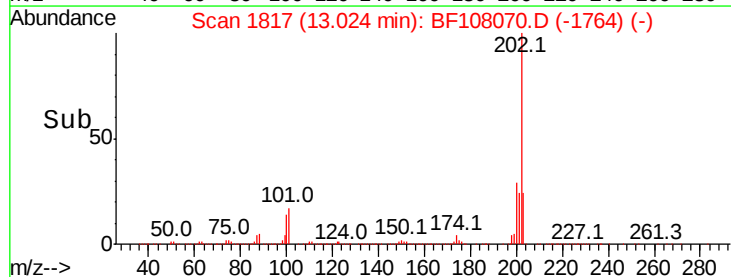
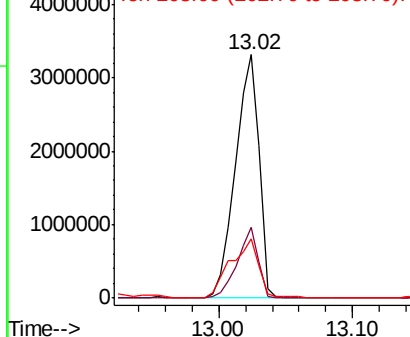


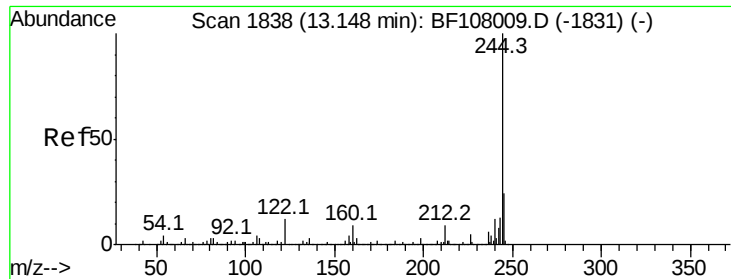
Abundance

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: 45.738 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF108070.D

Acq: 10 Aug 2018 00:13

Instrument :

BNA_F

ClientSampled :

S-3A

Tot Ion:244 Resp: 1162359

Ion Ratio Lower Upper

244 100

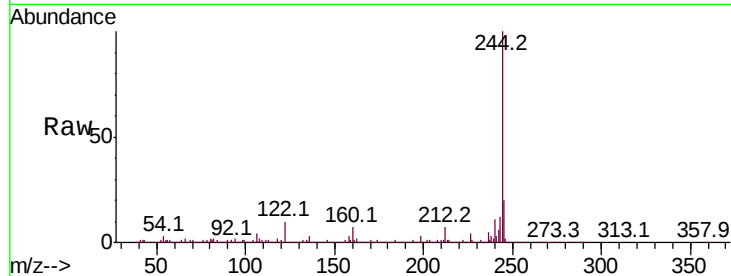
212 7.2 5.4 8.0

122 9.9 11.0 16.4#

Manual Integrations
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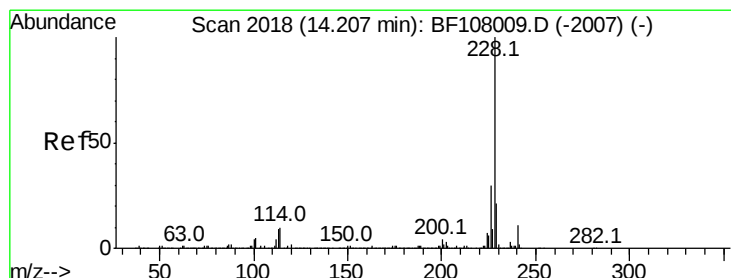
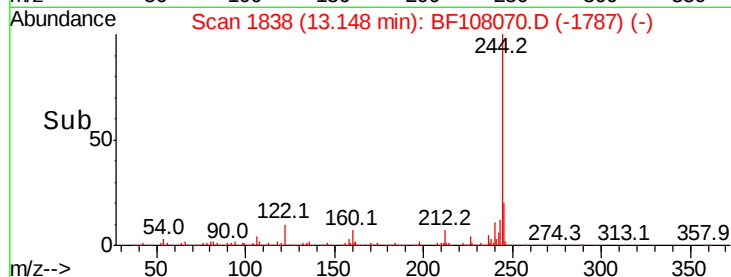
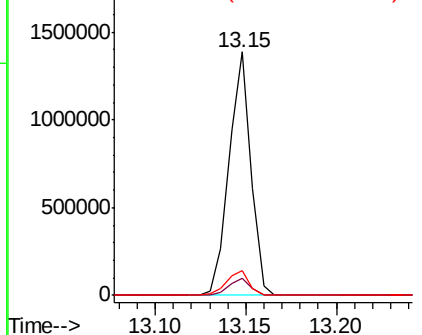
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 61.051 ng

RT: 14.21 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF108070.D

Acq: 10 Aug 2018 00:13

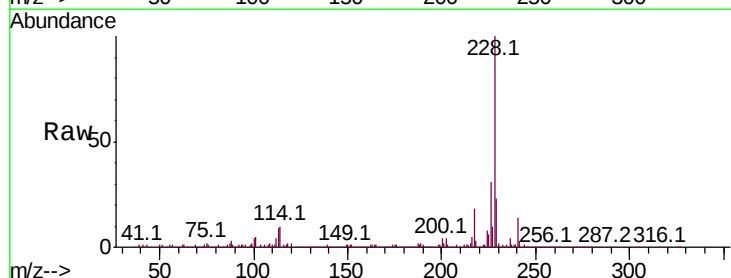
Tgt Ion:228 Resp: 2263928

Ion Ratio Lower Upper

228 100

226 31.4 22.6 33.8

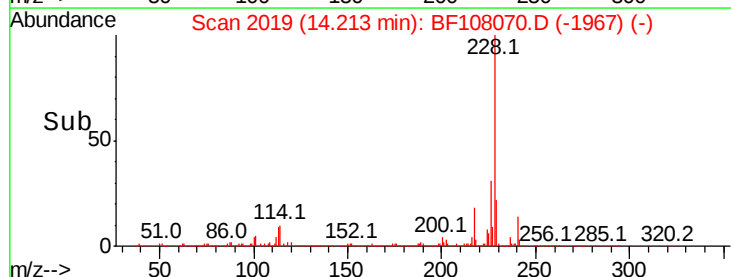
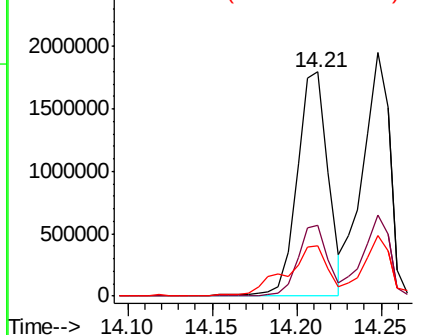
229 22.6 15.8 23.6

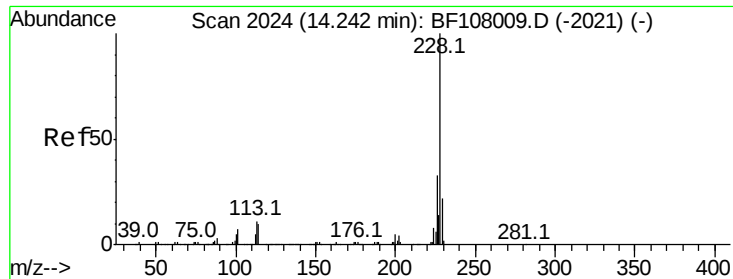


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 64.393 ng/mL

RT: 14.25 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BF108070.D

Acq: 10 Aug 2018 00:13

Instrument :

BNA_F

ClientSampled :

S-3A

Tot Ion: 228 Resp: 2189190

Ion Ratio Lower Upper

228 100

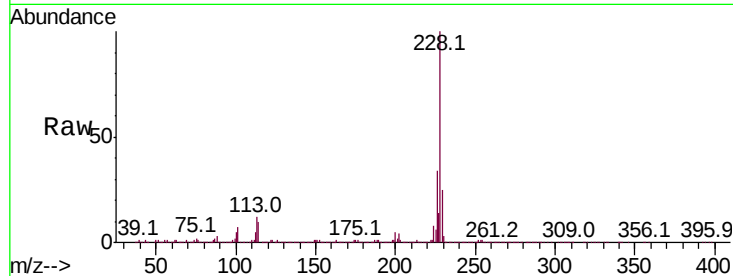
226 33.5 25.0 37.6

229 24.8 16.2 24.4#

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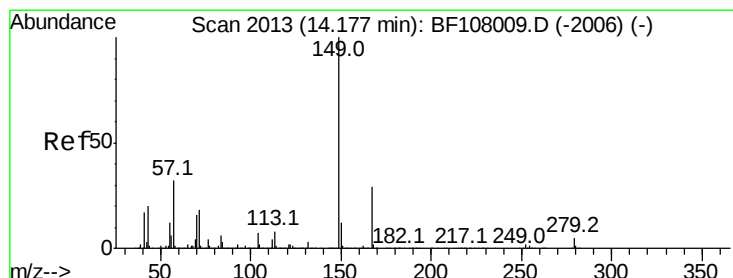
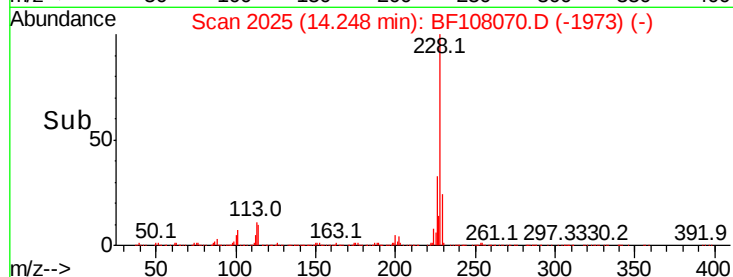
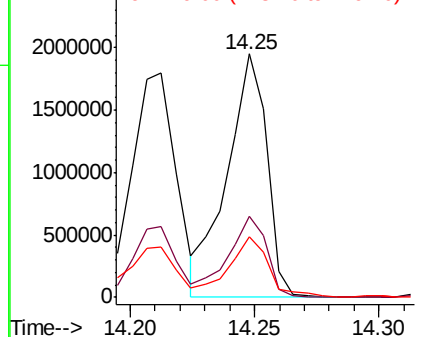


Abundance

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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.411 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF108070.D

Acq: 10 Aug 2018 00:13

Tgt Ion: 149 Resp: 53046

Ion Ratio Lower Upper

149 100

167 27.3 21.3 31.9

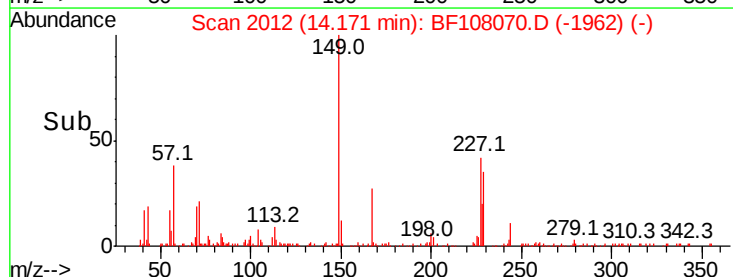
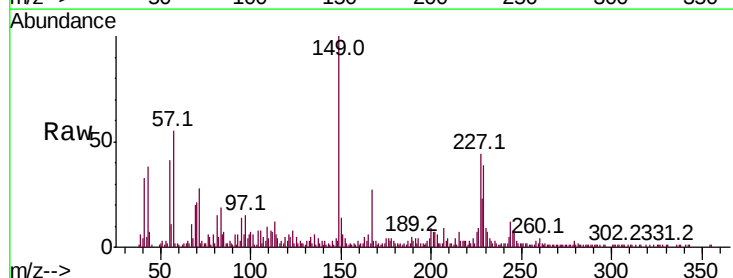
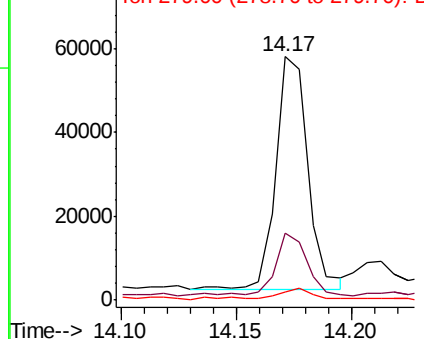
279 3.2 3.0 4.4

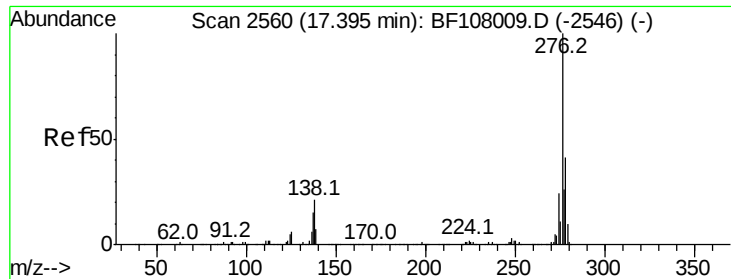
Abundance

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





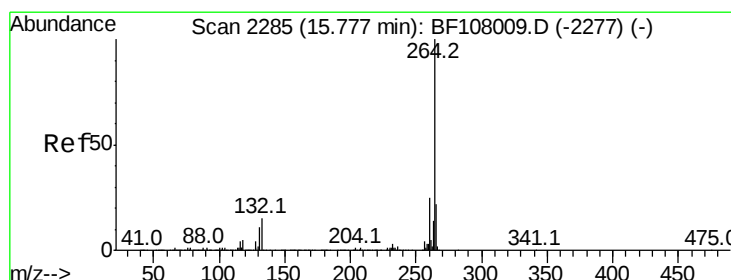
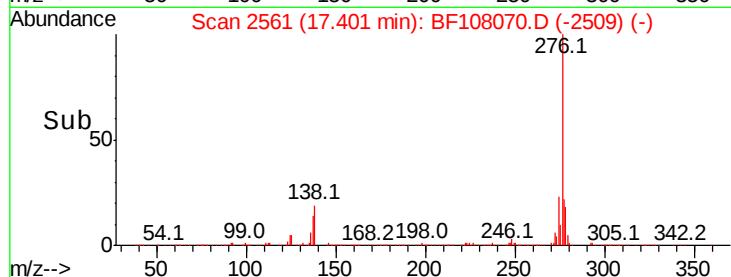
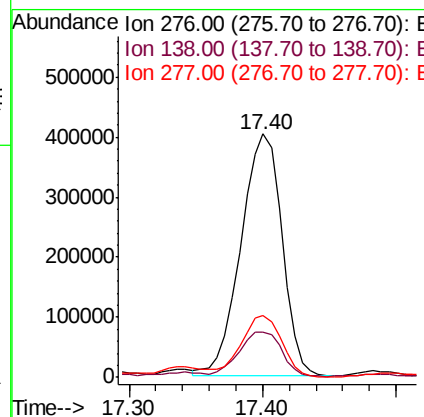
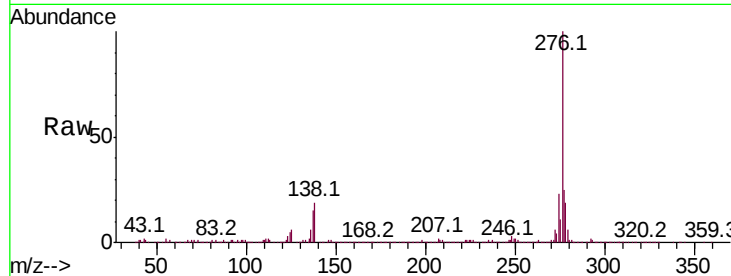
#85
Indeno(1,2,3-cd)pyrene
Concen: 29.212 ng
RT: 17.40 min Scan# 2561
Delta R.T. 0.01 min
Lab File: BF108070.D
Acq: 10 Aug 2018 00:13

Instrument :
BNA_F
ClientSampled :
S-3A

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.1	25.0	37.6#
277	24.8	20.1	30.1

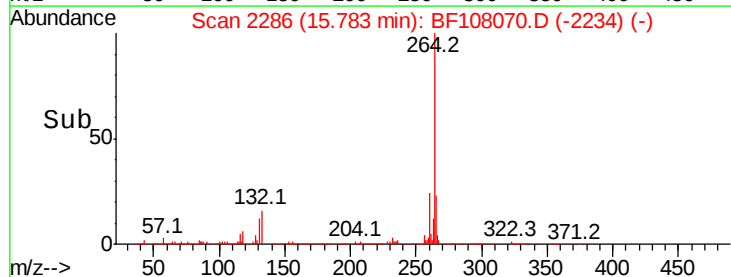
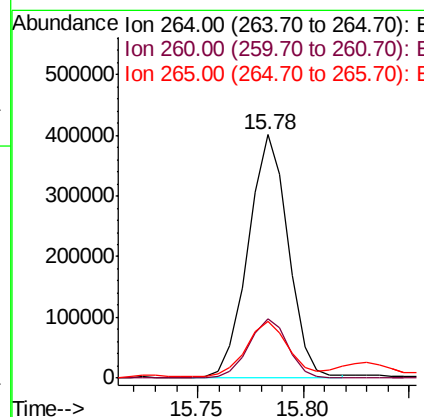
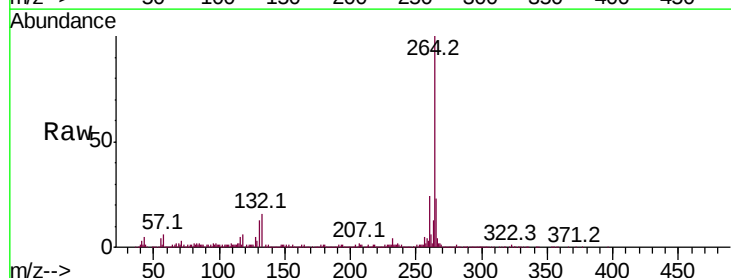
Manual Integrations
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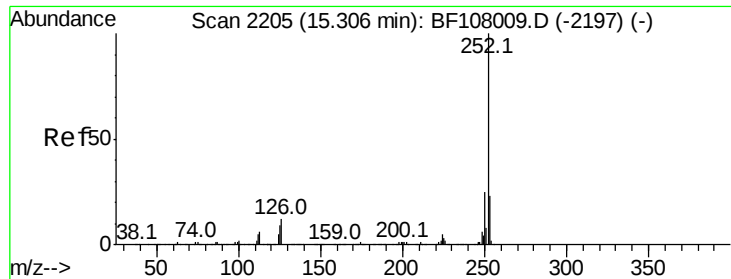
Sohil
8/10/2018 12:13:36 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.78 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF108070.D
Acq: 10 Aug 2018 00:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	23.1	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 78.745 ng m

RT: 15.32 min Scan# 2207

Delta R.T. 0.01 min

Lab File: BF108070.D

Acq: 10 Aug 2018 00:13

Instrument :

BNA_F

ClientSampleId :

S-3A

Tot Ion:252 Resp: 2468428

Ion Ratio Lower Upper

252 100

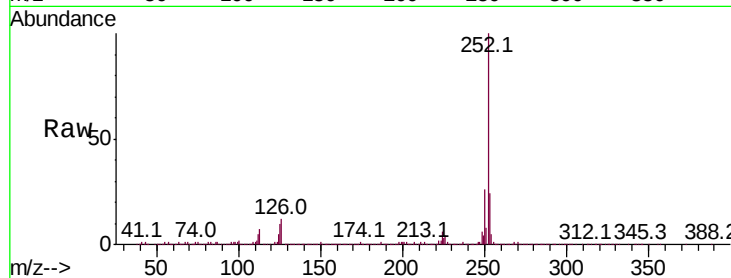
253 23.8 17.0 25.6

125 10.2 9.0 13.6

Manual Integrations
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Sohil

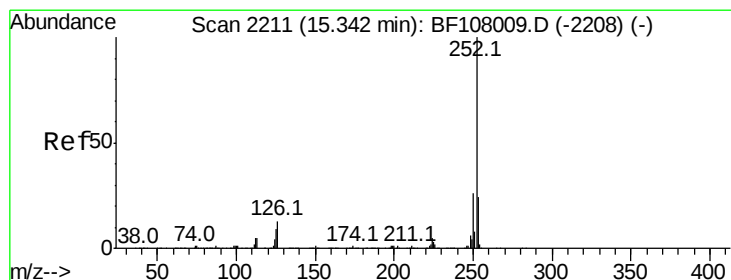
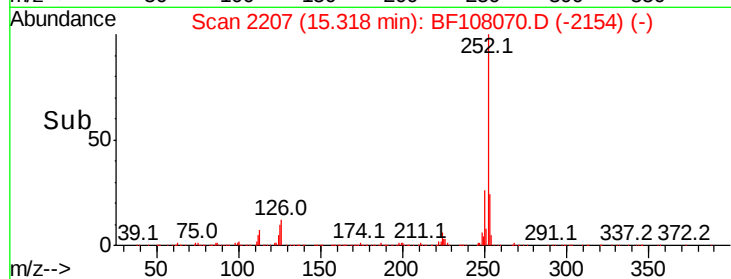
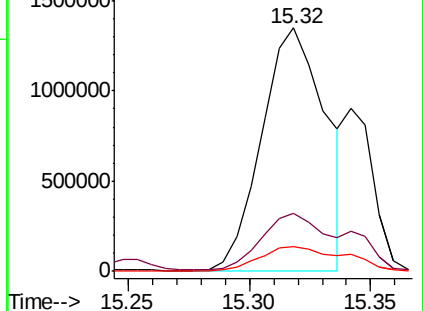
8/10/2018 12:13:36 PM



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 25.898 ng m

RT: 15.34 min Scan# 2211

Delta R.T. 0.00 min

Lab File: BF108070.D

Acq: 10 Aug 2018 00:13

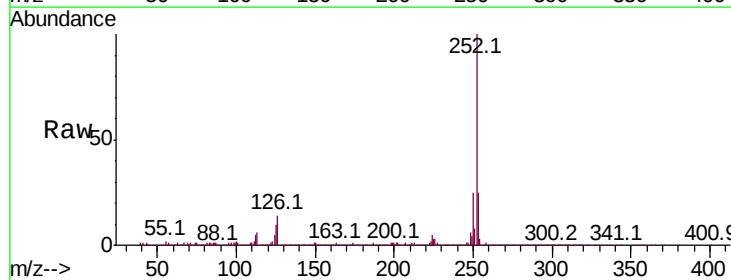
Tgt Ion:252 Resp: 746285

Ion Ratio Lower Upper

252 100

253 24.6 17.9 26.9

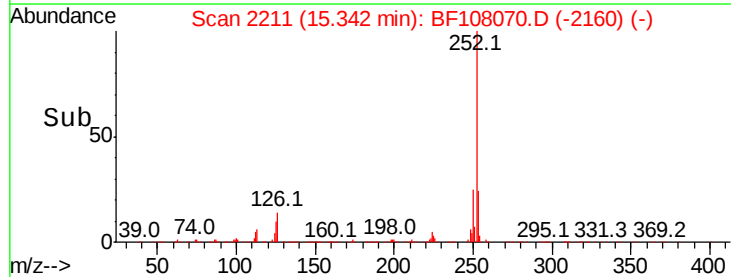
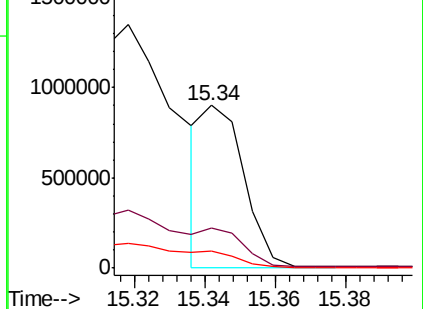
125 10.2 10.2 15.2

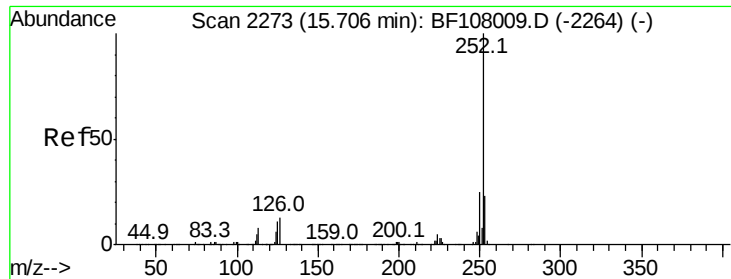


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





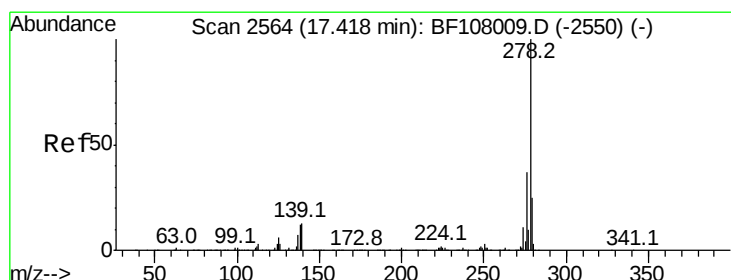
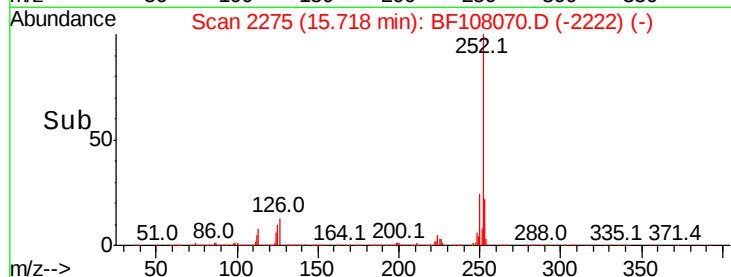
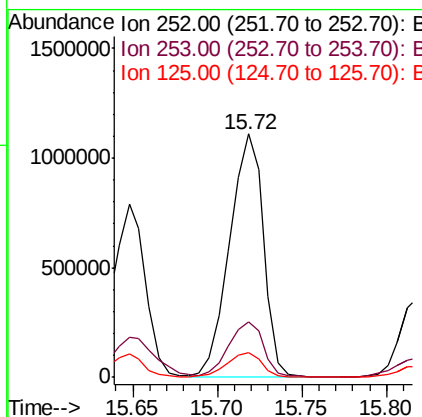
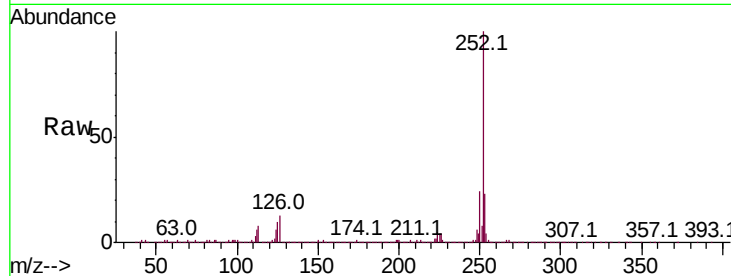
#89
Benzo(a)pyrene
Concen: 55.006 ng
RT: 15.72 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF108070.D
Acq: 10 Aug 2018 00:13

Instrument :
BNA_F
ClientSampled :
S-3A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	10.3	9.8	14.6

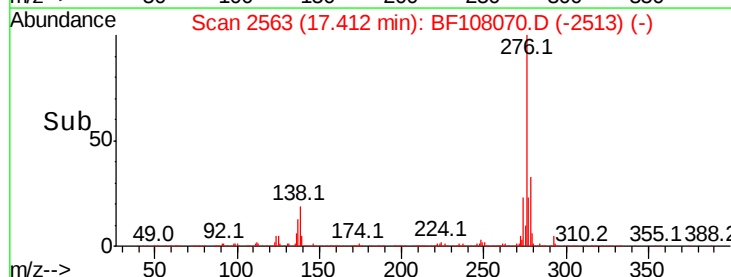
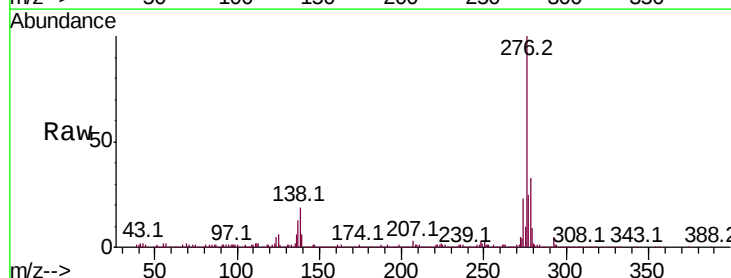
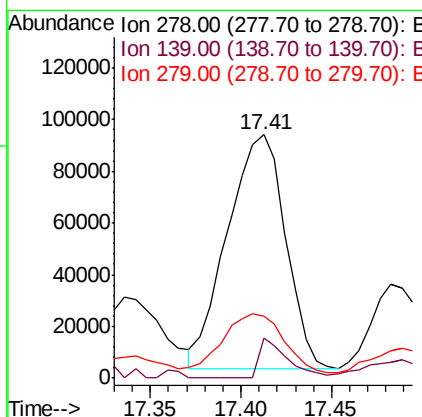
Manual Integrations
APPROVED

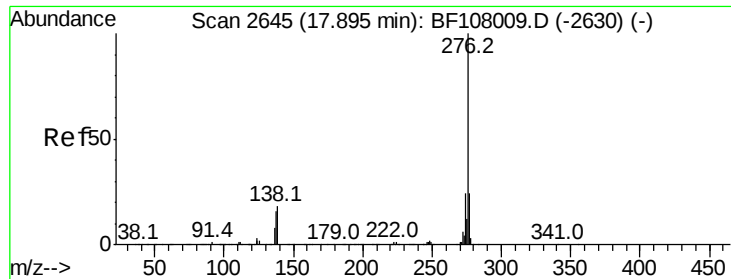
Sohil
8/10/2018 12:13:36 PM



#90
Dibenzo(a,h)anthracene
Concen: 8.678 ng
RT: 17.41 min Scan# 2563
Delta R.T. -0.01 min
Lab File: BF108070.D
Acq: 10 Aug 2018 00:13

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.6	15.9	23.9
279	25.6	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 34.942 ng
 RT: 17.90 min Scan# 2646
 Delta R.T. 0.01 min
 Lab File: BF108070.D
 Acq: 10 Aug 2018 00:13

Instrument :
 BNA_F
 ClientSampleId :
 S-3A

Tot Ion:	276	Resp:	799115
Ion Ratio	Lower	Upper	
276	100		
277	24.0	17.9	26.9
138	19.6	21.8	32.8#

Manual Integrations
 APPROVED

Sohil
 8/10/2018 12:13:36 PM

