

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
 Data File : BF108202.D
 Acq On : 16 Aug 2018 18:31
 Operator : JU/SJ
 Sample : J4499-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 DUP(0-1)

Manual Integrations
 APPROVED

Sohil
 8/17/2018 3:30:45 PM

Quant Time: Aug 17 14:44:35 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	7.02	152	158856	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	575511	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	255017	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	412250	20.00	ng	0.00
75) Chrysene-d12	14.21	240	381957	20.00	ng	0.00
86) Perylene-d12	15.77	264	330887	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	875283	99.75	ng	0.01
7) Phenol-d6	6.64	99	1162292	99.68	ng	0.00
23) Nitrobenzene-d5	7.58	82	774621	75.11	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	246428	96.88	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1312746	82.64	ng	0.00
78) Terphenyl-d14	13.14	244	1021691	68.01	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.76	163	99000	5.573	ng	Qvalue # 99
51) Acenaphthene	10.09	154	45847	3.186	ng	98
54) Dibenzofuran	10.27	168	49213	2.361	ng	99
57) Fluorene	10.61	166	49877	3.022	ng	96
70) Phenanthrene	11.58	178	809392	41.626	ng	99
71) Anthracene	11.63	178	148065	7.430	ng	97
72) Carbazole	11.78	167	100810	5.693	ng	98
74) Fluoranthene	12.78	202	1225209	57.735	ng	97
77) Pyrene	13.01	202	1026738	42.459	ng	99
80) Benzo(a)anthracene	14.20	228	563116	25.689	ng	99
82) Chrysene	14.24	228	534444	26.594	ng	97
83) Bis(2-ethylhexyl)phthalate	14.17	149	34223	2.632	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.39	276	196179	11.266	ng	# 88
87) Benzo(b)fluoranthene	15.31	252	689770m	34.886	ng	
88) Benzo(k)fluoranthene	15.33	252	236054m	12.988	ng	
89) Benzo(a)pyrene	15.64	252	287867	16.259	ng	95
90) Dibenzo(a,h)anthracene	17.39	278	49241	3.361	ng	97
91) Benzo(g,h,i)perylene	17.88	276	170106	11.792	ng	# 89

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

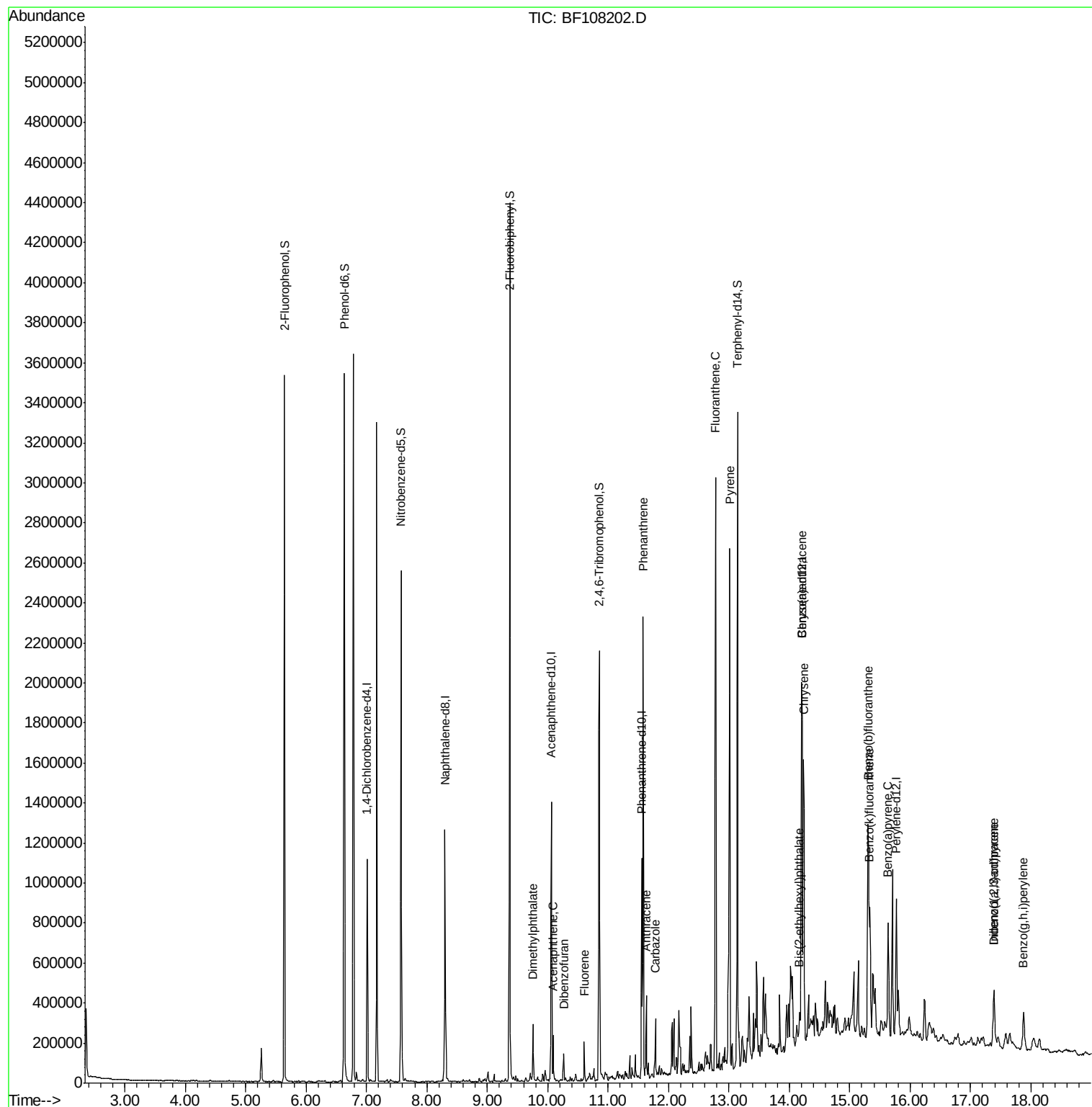
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
Data File : BF108202.D
Acq On : 16 Aug 2018 18:31
Operator : JU/SJ
Sample : J4499-11
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ALS Vial : 13 Sample Multiplier: 1

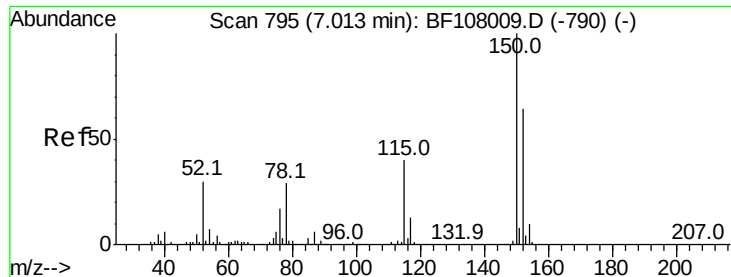
Instrument :
BNA_F
ClientSampled :
DUP(0-1)

Manual Integrations
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Quant Time: Aug 17 14:44:35 2018
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

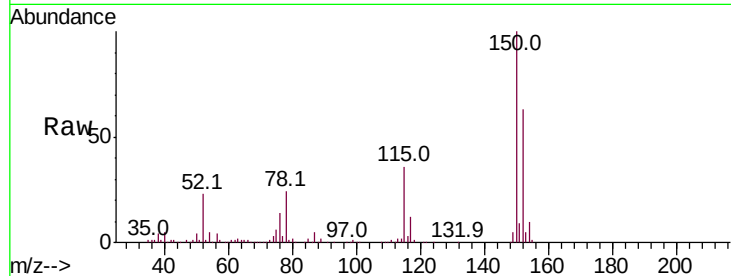
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108202.D
Acq: 16 Aug 2018 18:31

Instrument :
BNA_F
ClientSampleId :
DUP(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.6	186.8
115	56.2	50.1	75.1

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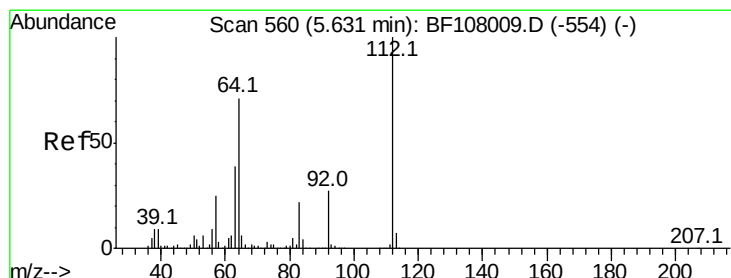
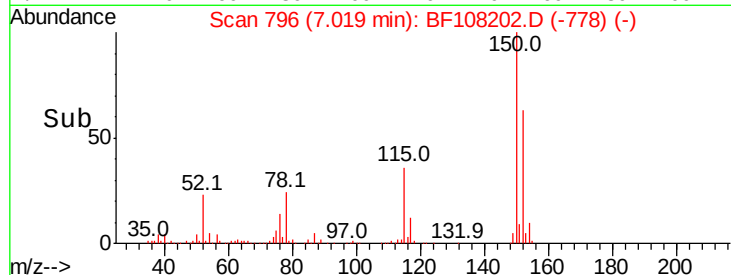
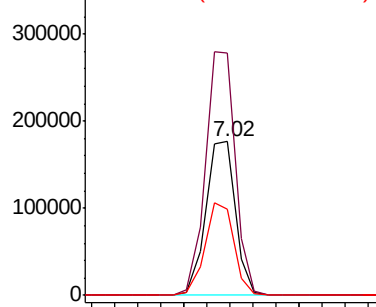


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

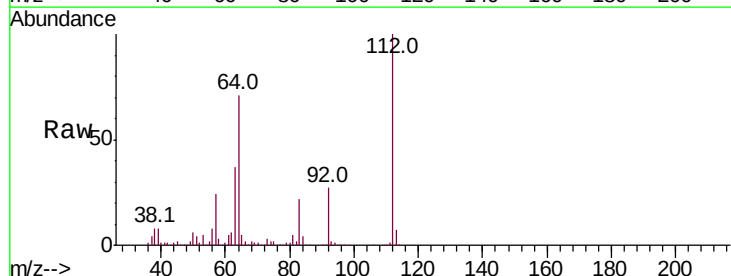
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 99.755 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108202.D
Acq: 16 Aug 2018 18:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.9	47.9	71.9
63	37.2	23.7	35.5

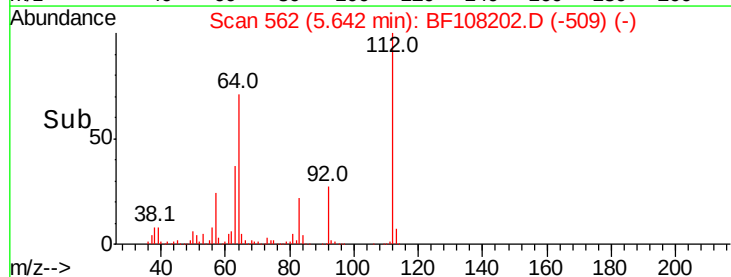
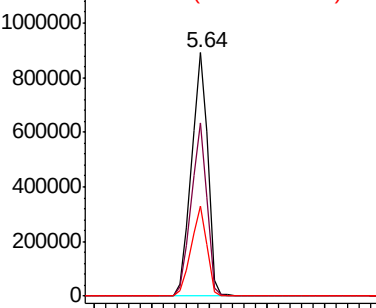


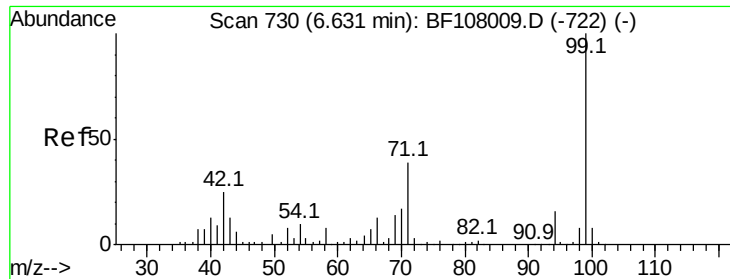
Abundance

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: 99.682 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108202.D

Acq: 16 Aug 2018 18:31

Instrument :

BNA_F

ClientSampleId :

DUP(0-1)

Tot Ion: 99 Resp: 1162292

Ion Ratio Lower Upper

99 100

42 22.9 14.5 21.7#

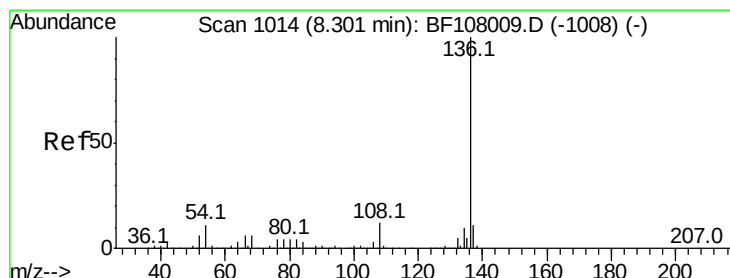
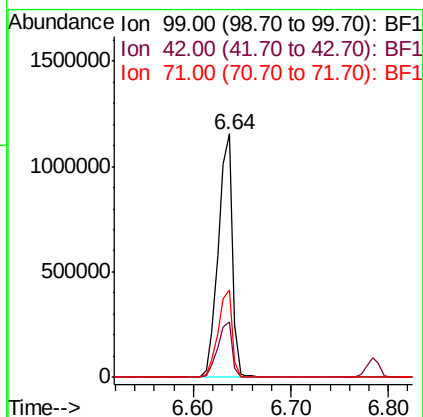
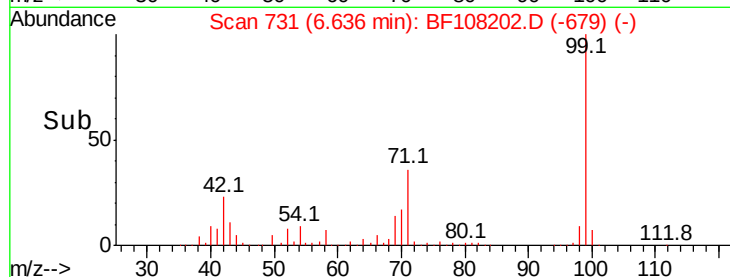
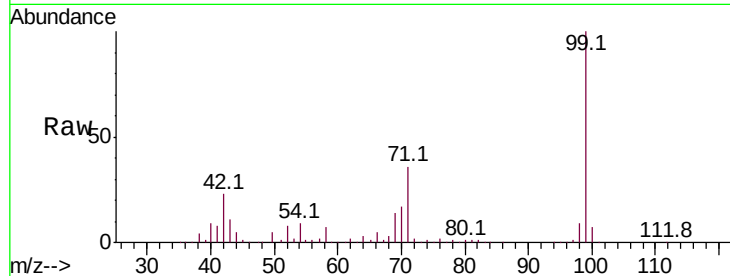
71 36.0 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BF108202.D

Acq: 16 Aug 2018 18:31

Tgt Ion: 136 Resp: 575511

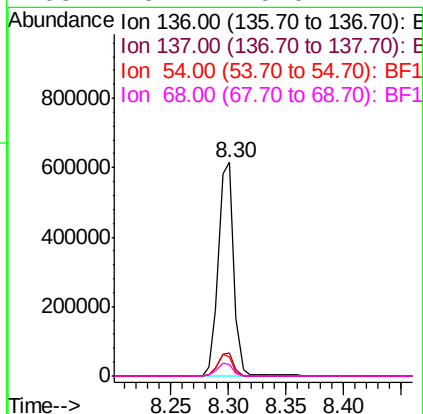
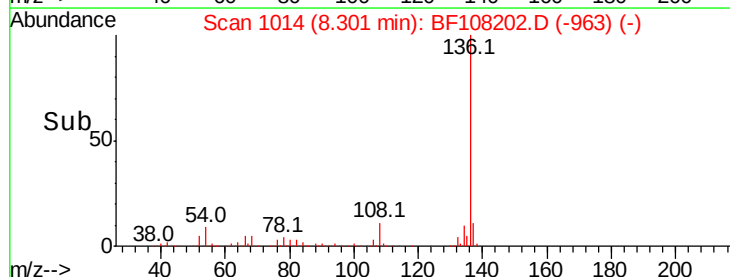
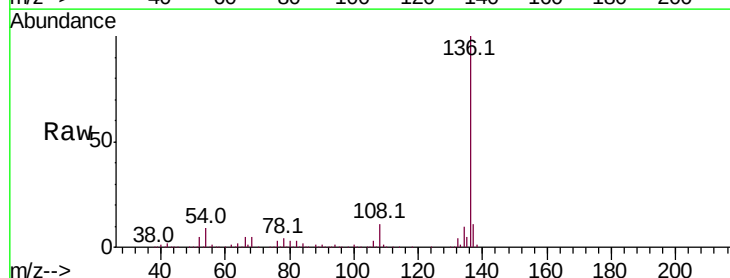
Ion Ratio Lower Upper

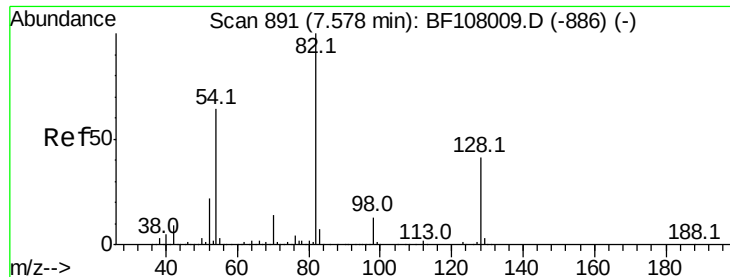
136 100

137 10.9 8.9 13.3

54 9.3 6.6 9.8

68 5.4 5.0 7.4





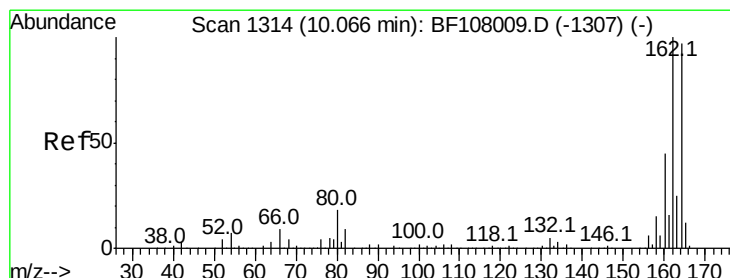
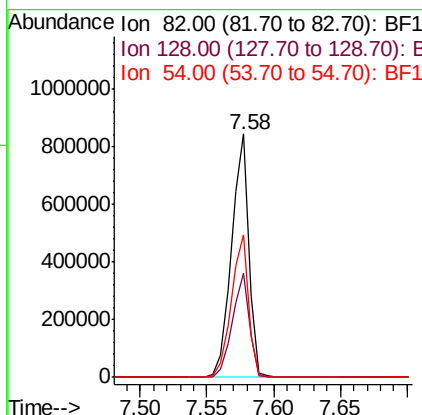
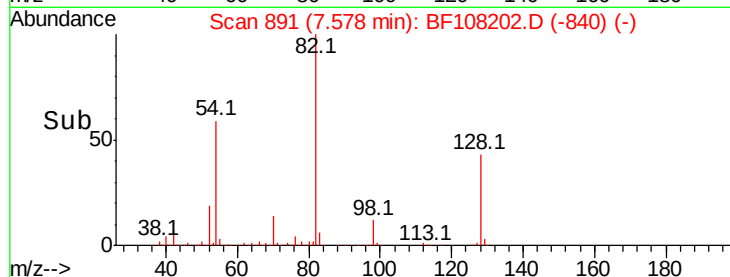
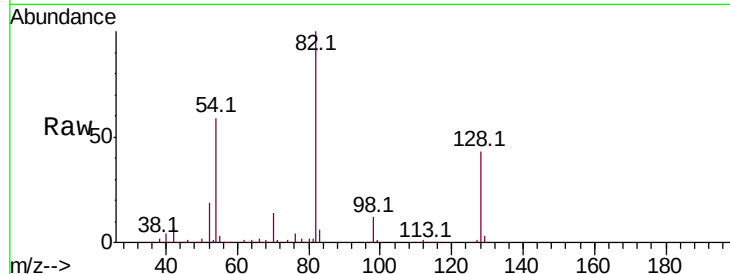
#23
Nitrobenzene-d5
Concen: 75.107 ng
RT: 7.58 min Scan# 891
Delta R.T. -0.00 min
Lab File: BF108202.D
Acq: 16 Aug 2018 18:31

Instrument :
BNA_F
ClientSampled :
DUP(0-1)

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.0	36.1	54.1
54	58.6	41.4	62.2

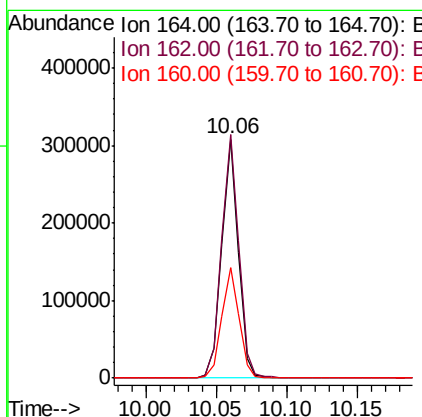
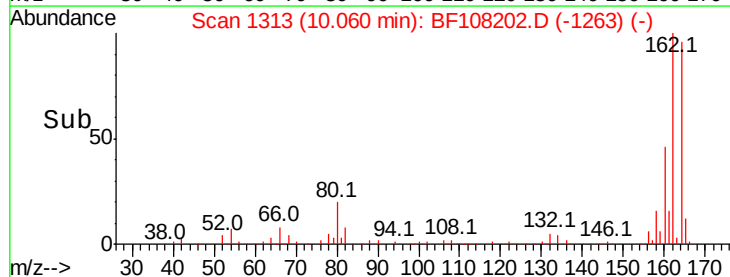
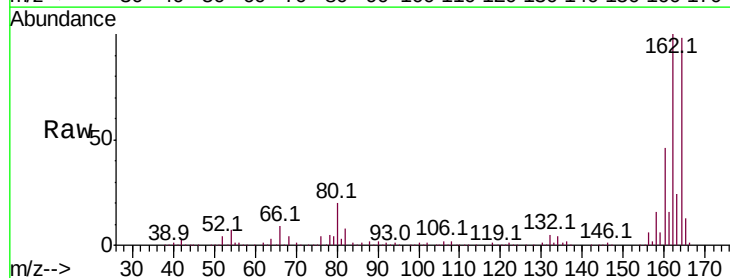
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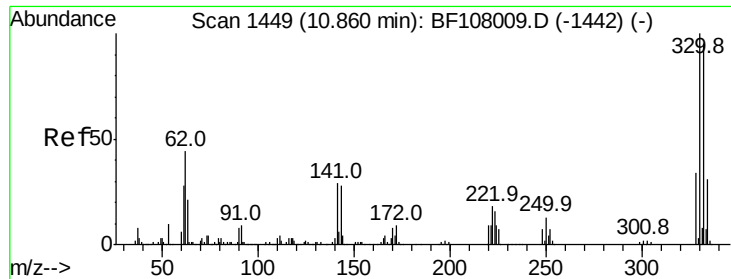
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108202.D
Acq: 16 Aug 2018 18:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	86.1	129.1
160	46.4	38.3	57.5





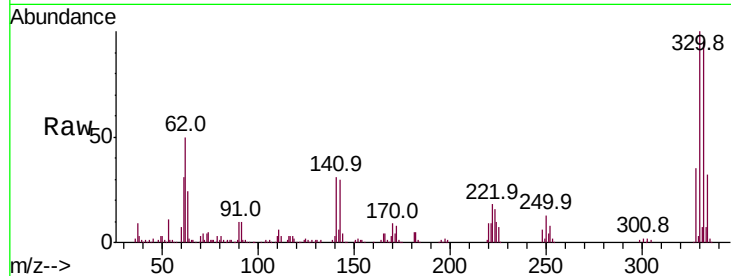
#41
 2,4,6-Tribromophenol
 Concen: 96.877 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108202.D
 Acq: 16 Aug 2018 18:31

Instrument :
 BNA_F
 ClientSampled :
 DUP(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	246428		
332	96.2	77.0	115.6	
141	33.5	29.9	44.9	

Manual Integrations
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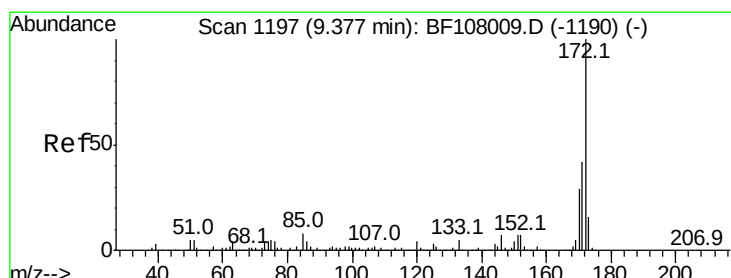
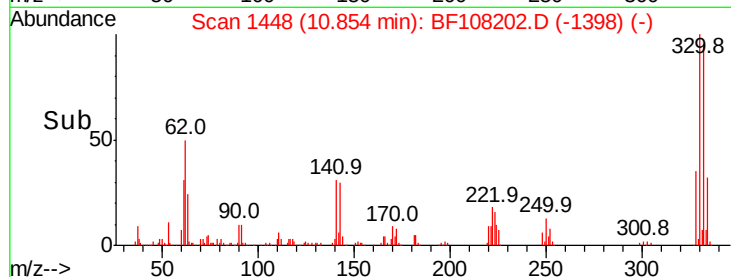
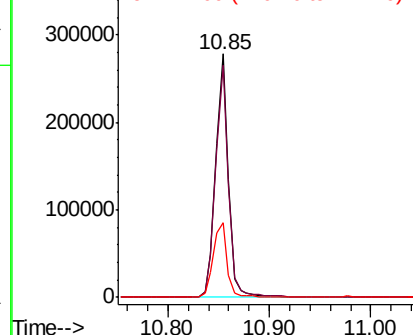


Abundance

Ion 329.80 (329.50 to 330.50): E

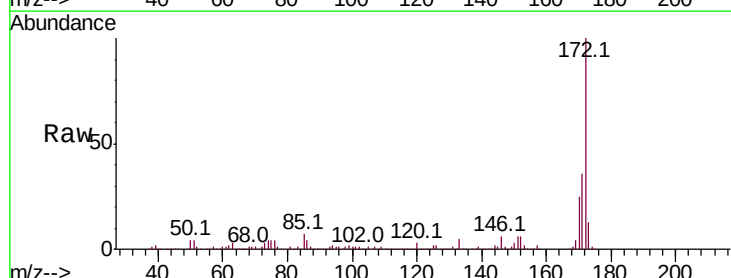
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 82.644 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108202.D
 Acq: 16 Aug 2018 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1312746		
171	36.2	29.7	44.5	
170	24.7	19.6	29.4	

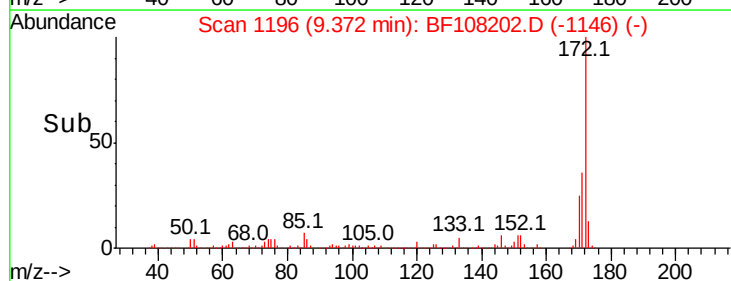
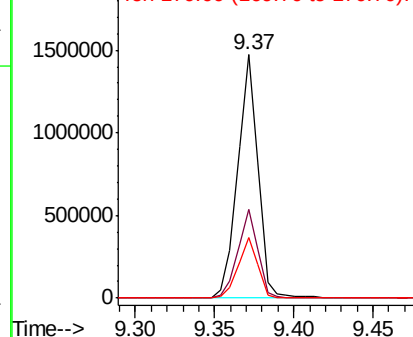


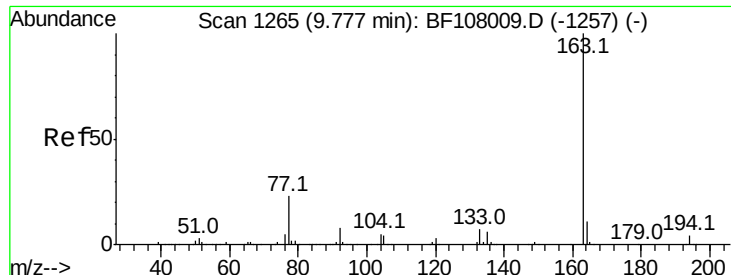
Abundance

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





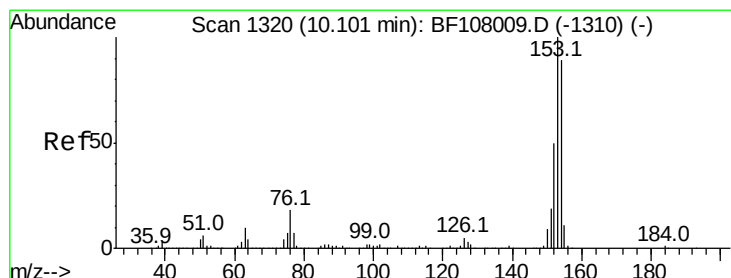
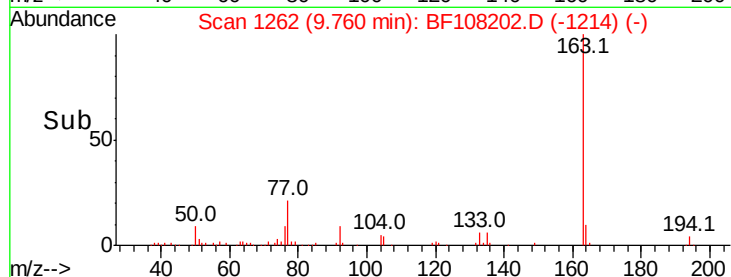
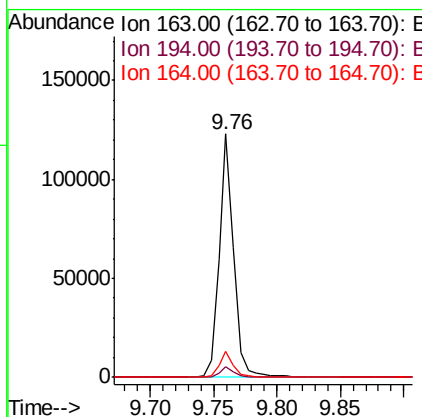
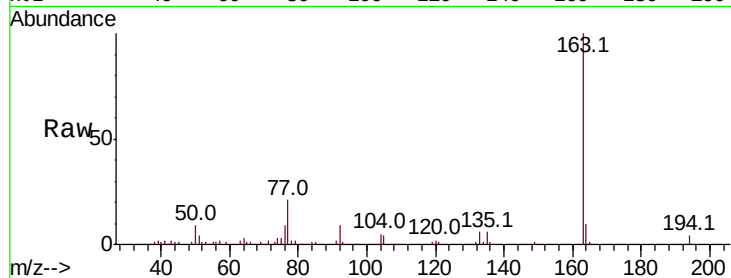
#49
Dimethylphthalate
Concen: 5.573 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108202.D
Acq: 16 Aug 2018 18:31

Instrument :
BNA_F
ClientSampleId :
DUP(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.3	2.7	4.1#	
164	10.4	8.2	12.2	

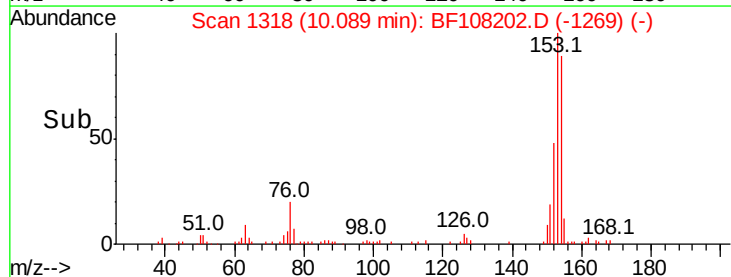
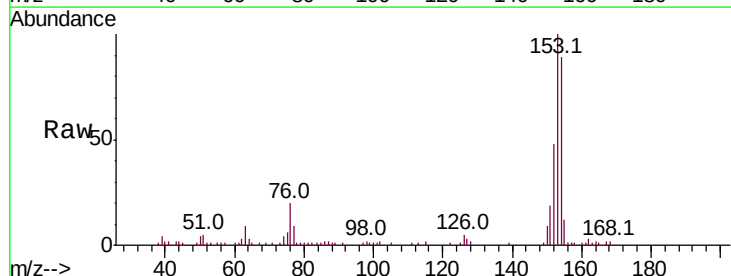
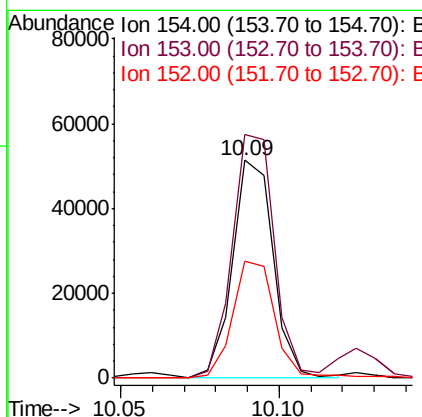
Manual Integrations
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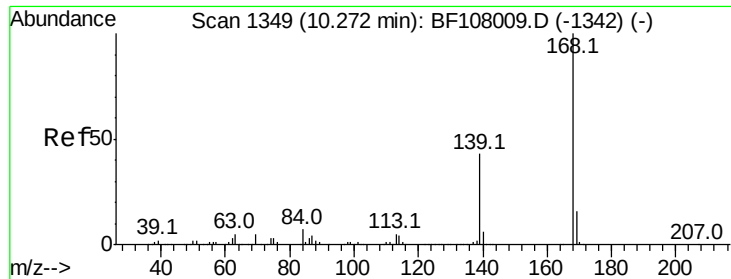
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#51
Acenaphthene
Concen: 3.186 ng
RT: 10.09 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF108202.D
Acq: 16 Aug 2018 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	111.8	91.2	136.8	
152	53.6	43.8	65.8	





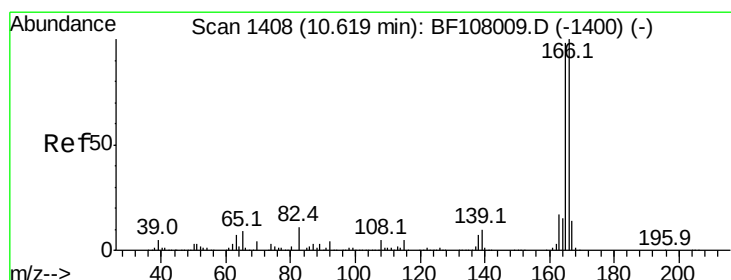
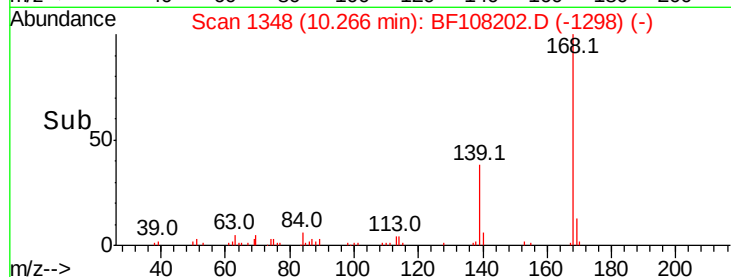
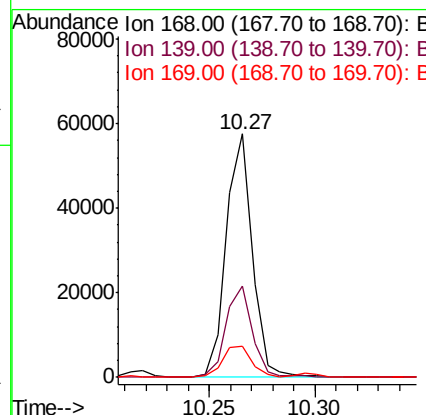
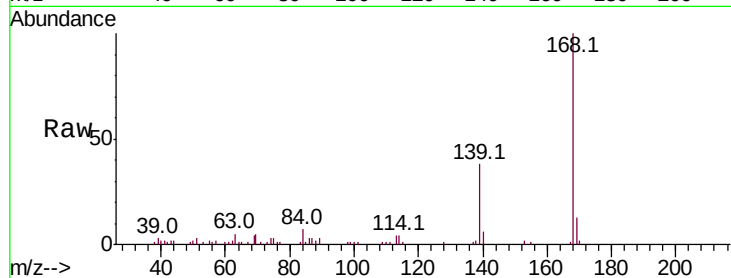
#54
Dibenzofuran
Concen: 2.361 ng
RT: 10.27 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF108202.D
Acq: 16 Aug 2018 18:31

Instrument :
BNA_F
ClientSampled :
DUP(0-1)

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.7	30.1	45.1
169	12.7	10.9	16.3

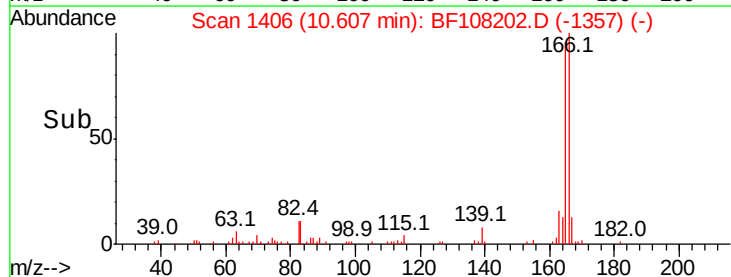
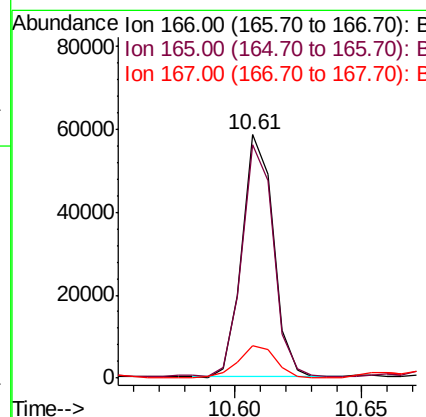
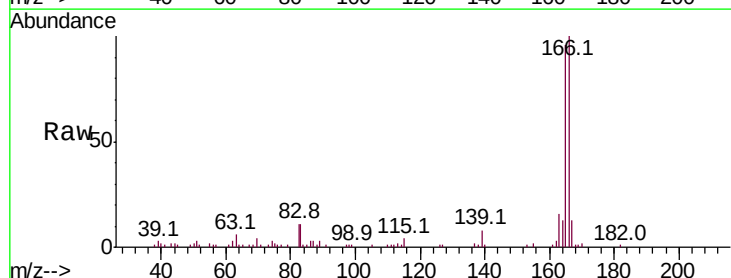
Manual Integrations
APPROVED

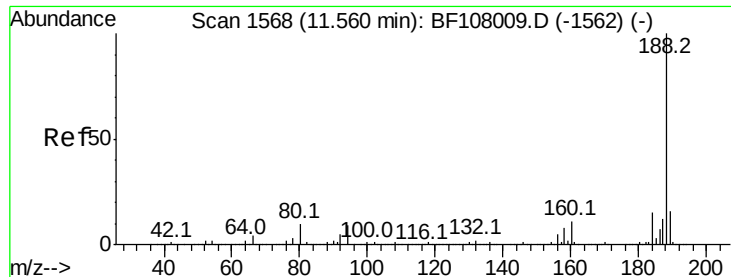
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#57
Fluorene
Concen: 3.022 ng
RT: 10.61 min Scan# 1406
Delta R.T. -0.01 min
Lab File: BF108202.D
Acq: 16 Aug 2018 18:31

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.7	79.8	119.8
167	13.4	10.6	16.0





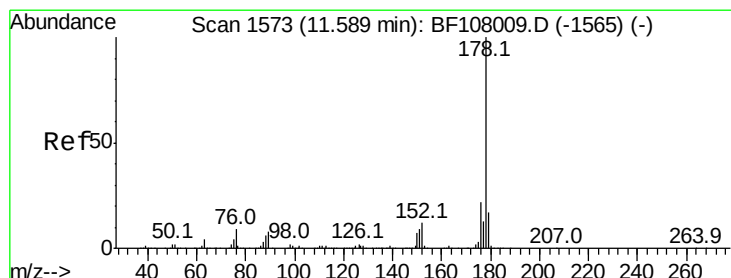
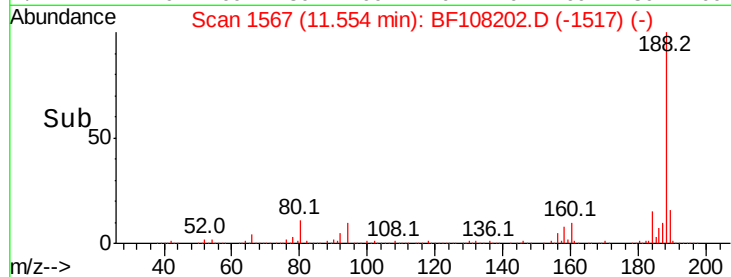
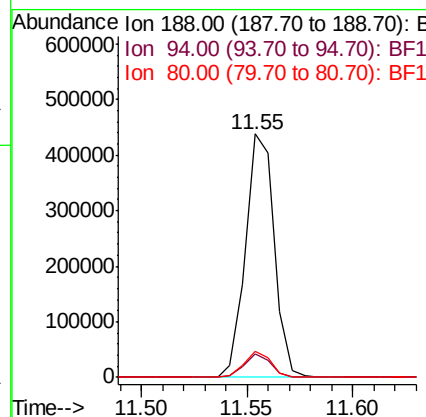
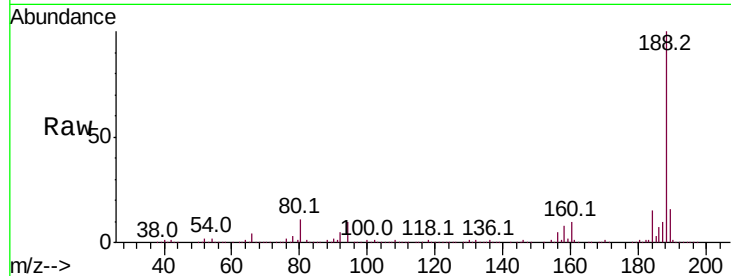
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF108202.D
 Acq: 16 Aug 2018 18:31

Instrument :
 BNA_F
 ClientSampled :
 DUP(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	412250		
94	9.8	8.5	12.7	
80	10.7	9.2	13.8	

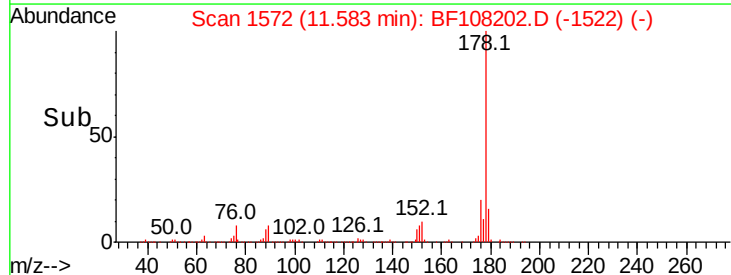
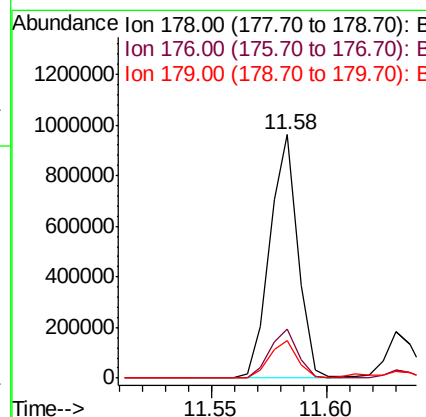
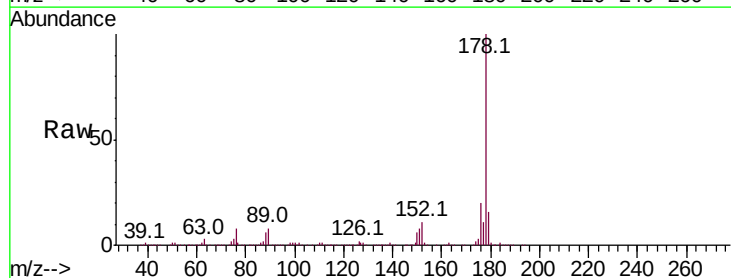
Manual Integrations
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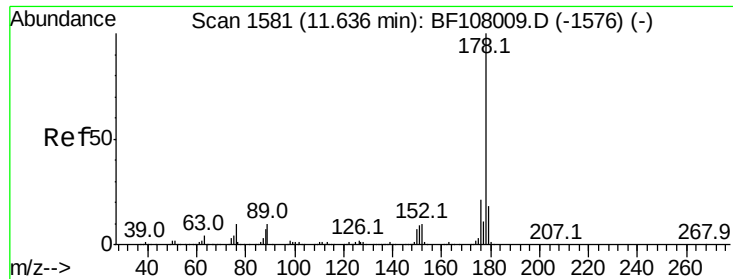
Sohil
 8/17/2018 3:30:45 PM



#70
 Phenanthrene
 Concen: 41.626 ng
 RT: 11.58 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF108202.D
 Acq: 16 Aug 2018 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	809392		
176	20.0	15.8	23.8	
179	15.5	13.0	19.6	





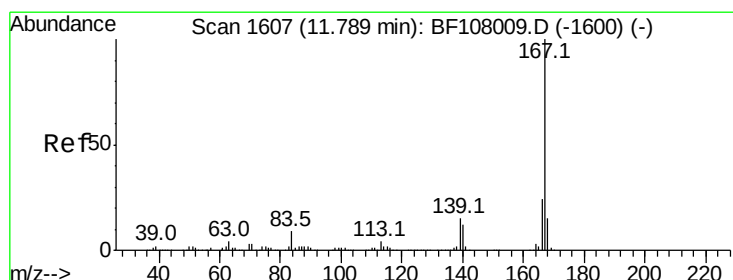
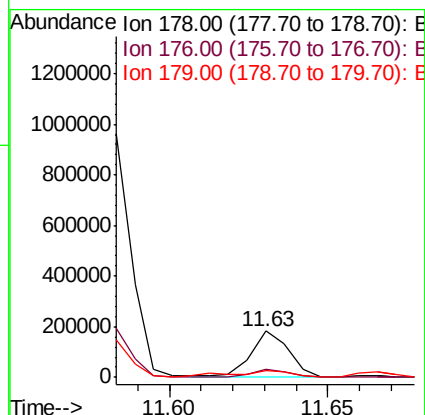
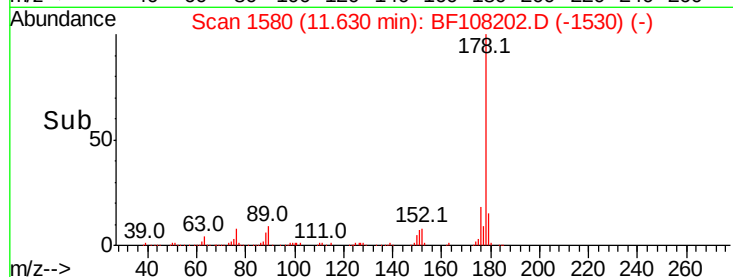
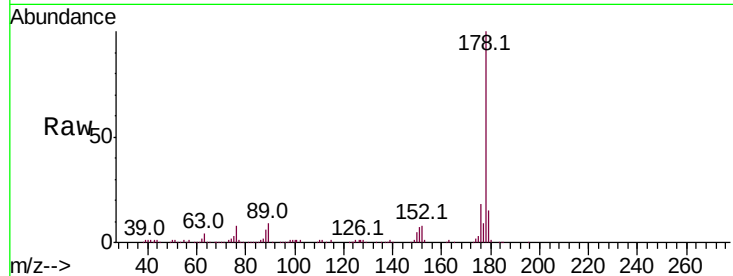
#71
 Anthracene
 Concen: 7.430 ng
 RT: 11.63 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF108202.D
 Acq: 16 Aug 2018 18:31

Instrument :
 BNA_F
 ClientSampleId :
 DUP(0-1)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	14.6	12.6	19.0

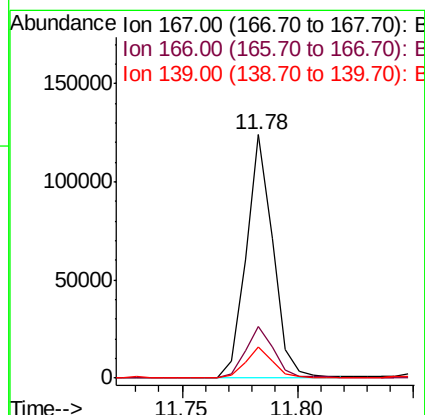
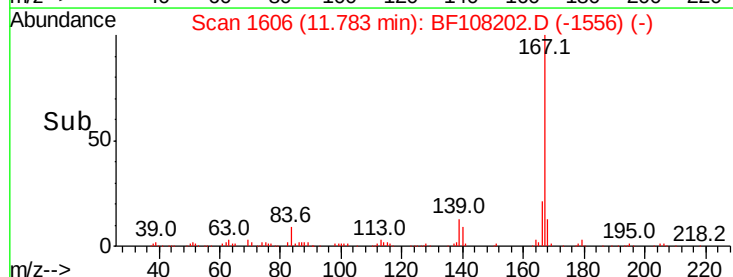
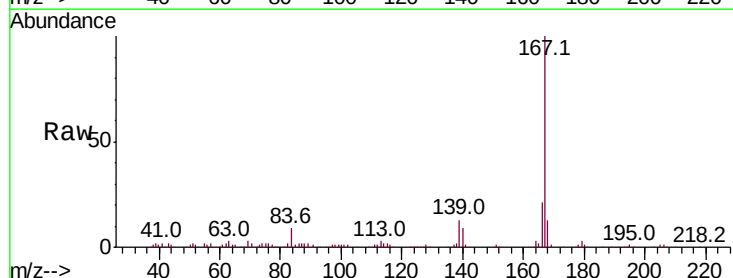
Manual Integrations
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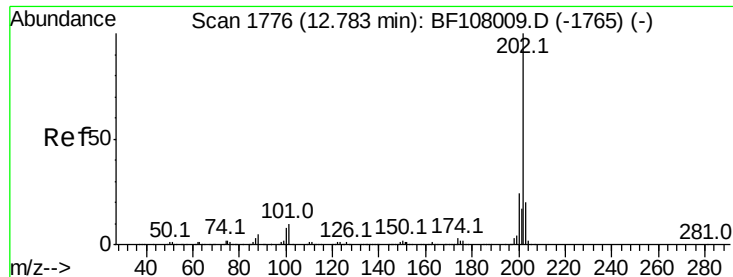
Sohil
 8/17/2018 3:30:45 PM



#72
 Carbazole
 Concen: 5.693 ng
 RT: 11.78 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BF108202.D
 Acq: 16 Aug 2018 18:31

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.6	26.4
139	12.6	10.9	16.3





#74

Fluoranthene

Concen: 57.735 ng

RT: 12.78 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF108202.D

Acq: 16 Aug 2018 18:31

Instrument :

BNA_F

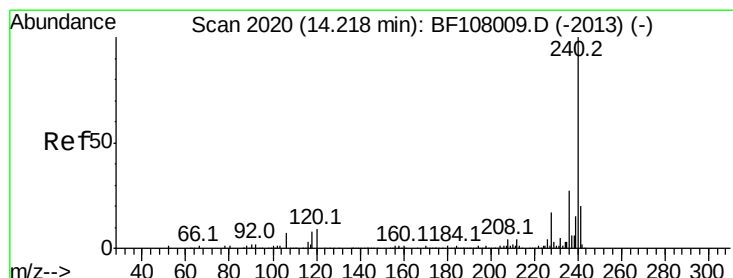
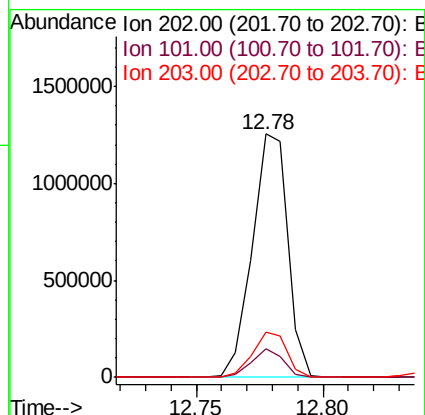
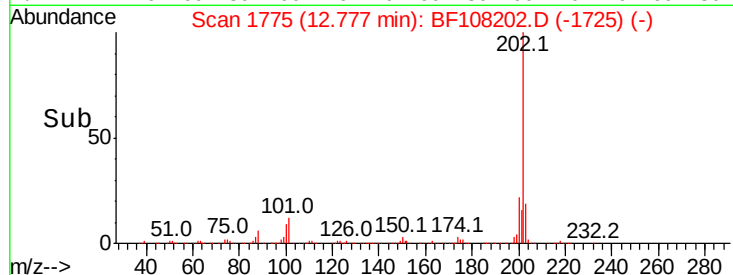
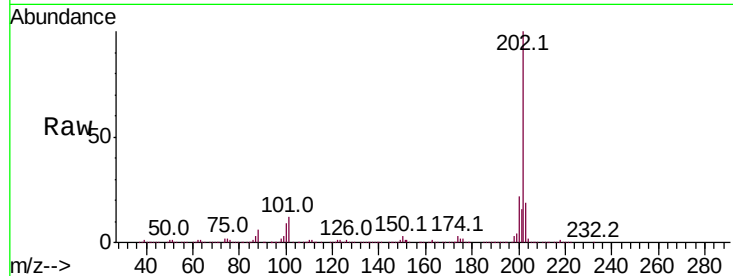
ClientSampleId :

DUP(0-1)

Tot Ion:	202	Resp:	1225209
Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	34.1
203	18.7	0.0	38.1

Manual Integrations
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8/17/2018 3:30:45 PM



#75

Chrysene-d12

Concen: 20.000 ng

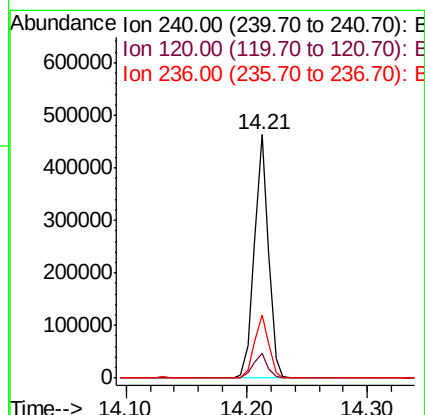
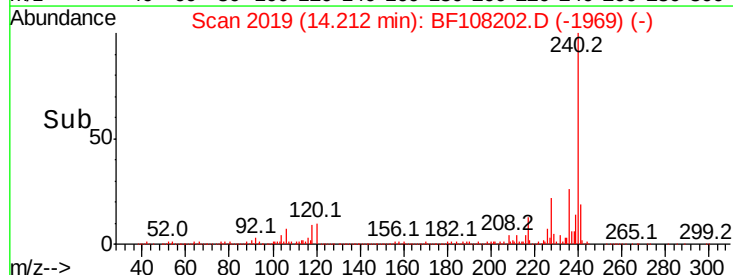
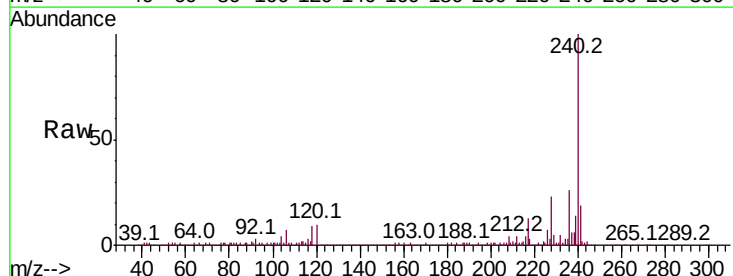
RT: 14.21 min Scan# 2019

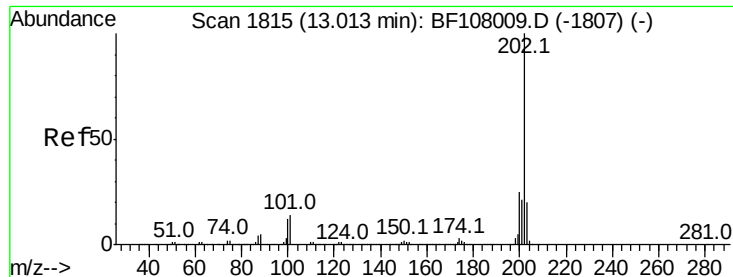
Delta R.T. -0.01 min

Lab File: BF108202.D

Acq: 16 Aug 2018 18:31

Tgt Ion:	240	Resp:	381957
Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.5	14.3
236	25.9	20.7	31.1





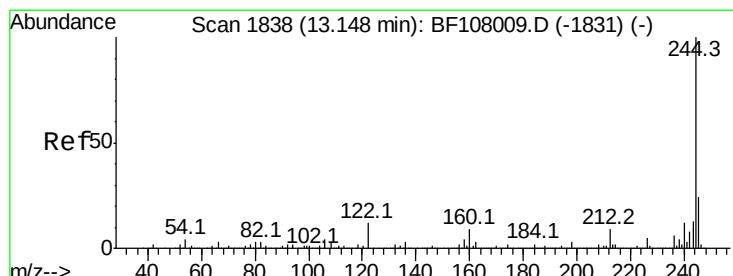
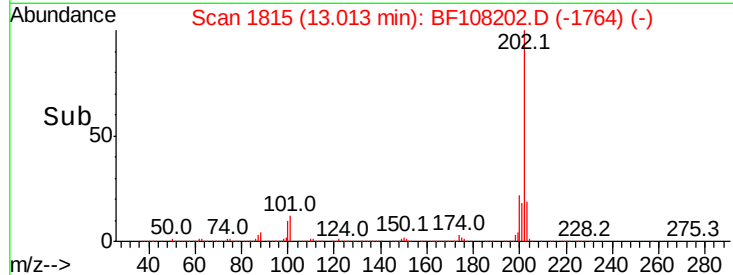
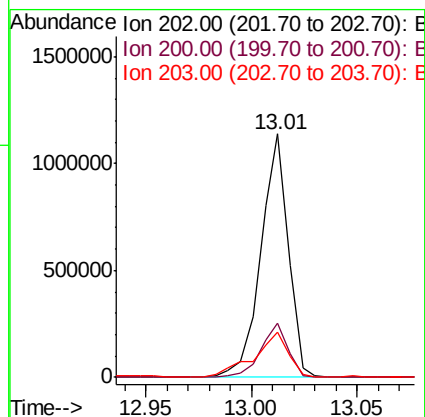
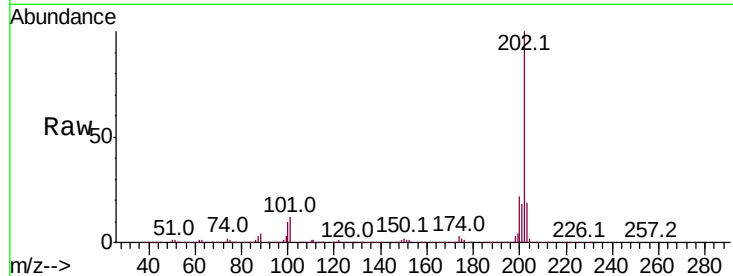
#77
Pvrene
Concen: 42.459 ng
RT: 13.01 min Scan# 1815
Delta R.T. 0.00 min
Lab File: BF108202.D
Acq: 16 Aug 2018 18:31

Instrument :
BNA_F
ClientSampleId :
DUP(0-1)

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.4	26.2
203	18.8	14.3	21.5

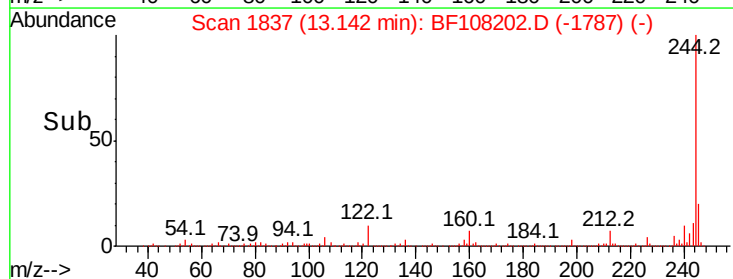
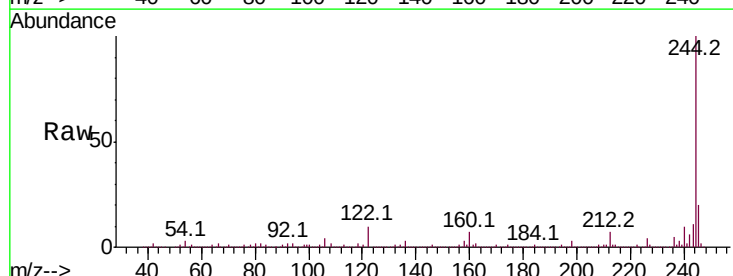
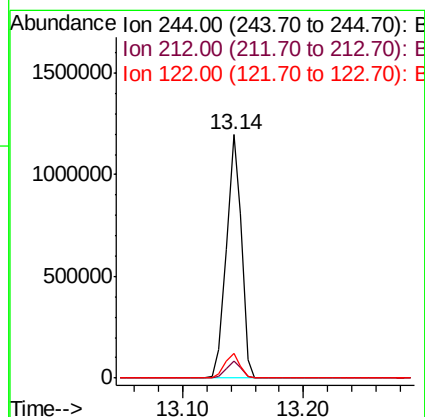
Manual Integrations
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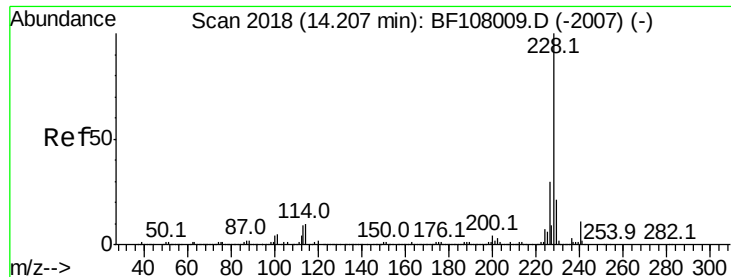
Sohil
8/17/2018 3:30:45 PM



#78
Terphenyl-d14
Concen: 68.011 ng
RT: 13.14 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BF108202.D
Acq: 16 Aug 2018 18:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	10.4	11.0	16.4#





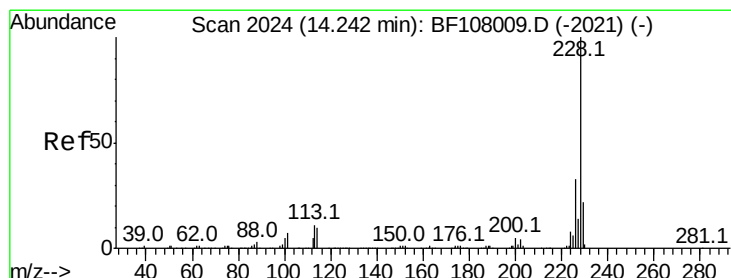
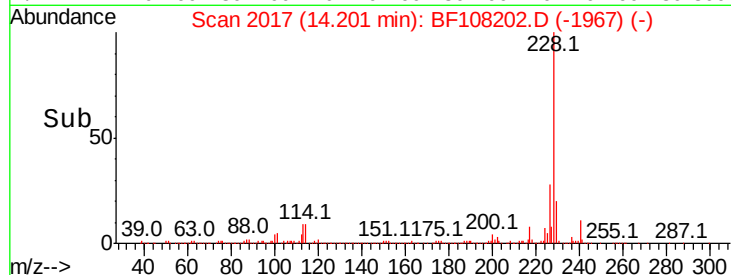
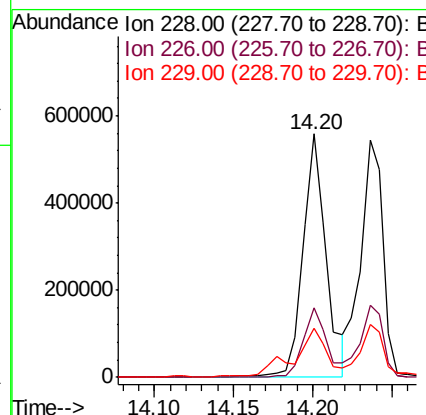
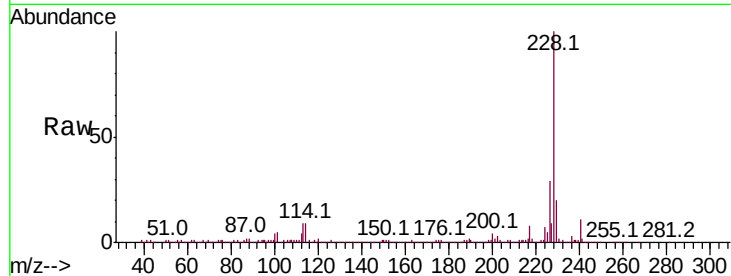
#80
Benzo(a)anthracene
Concen: 25.689 ng
RT: 14.20 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF108202.D
Acq: 16 Aug 2018 18:31

Instrument :
BNA_F
ClientSampleId :
DUP(0-1)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	20.3	15.8	23.6

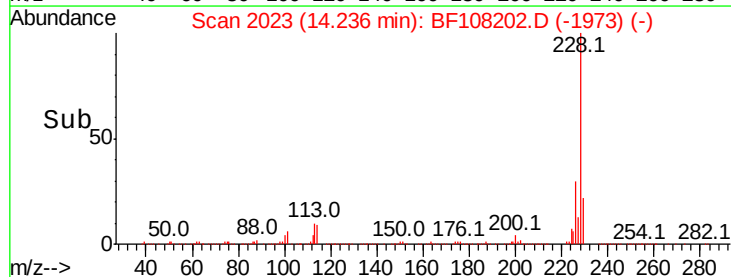
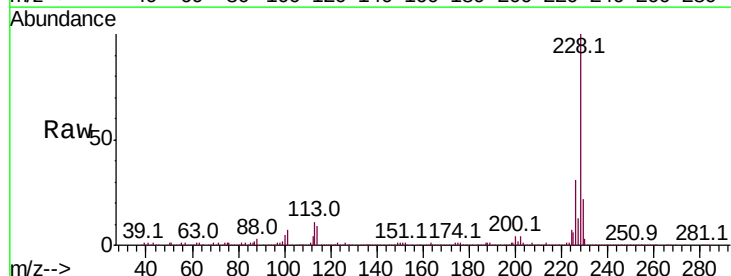
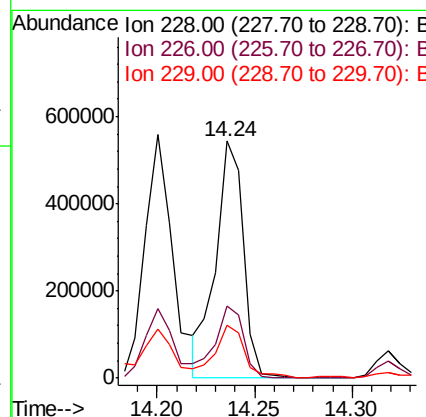
Manual Integrations
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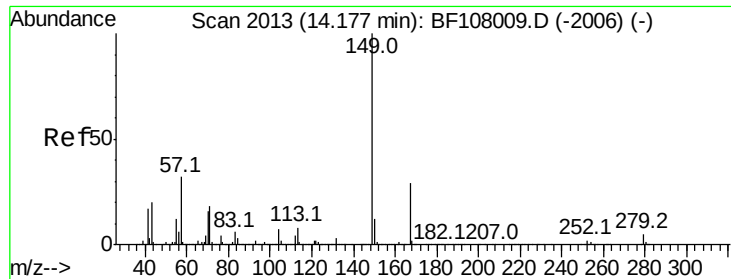
Sohil
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#82
Chrysene
Concen: 26.594 ng
RT: 14.24 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF108202.D
Acq: 16 Aug 2018 18:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	22.4	16.2	24.4





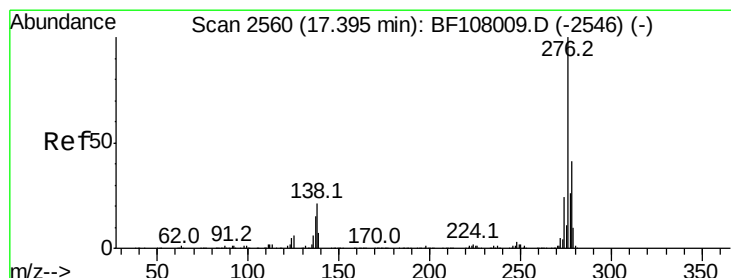
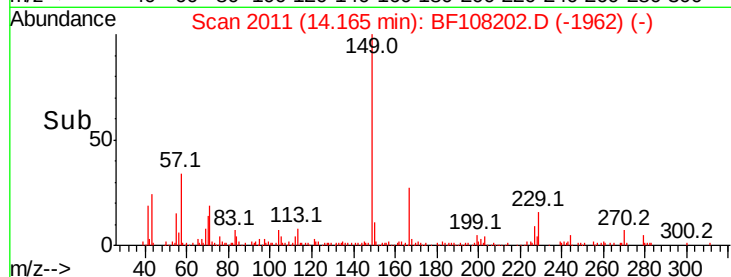
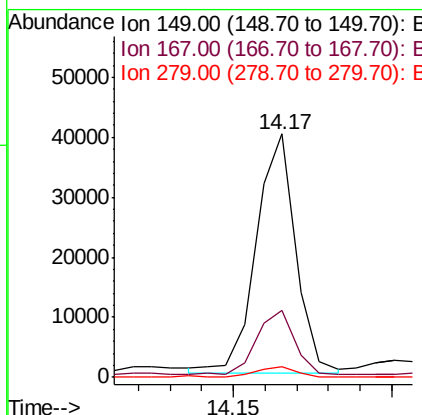
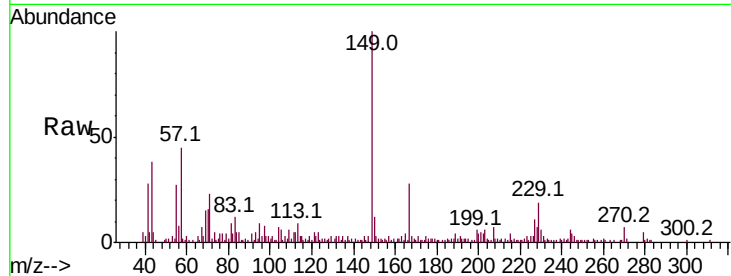
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.632 ng
RT: 14.17 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF108202.D
Acq: 16 Aug 2018 18:31

Instrument :
BNA_F
ClientSampled :
DUP(0-1)

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.6	21.3	31.9
279	4.6	3.0	4.4

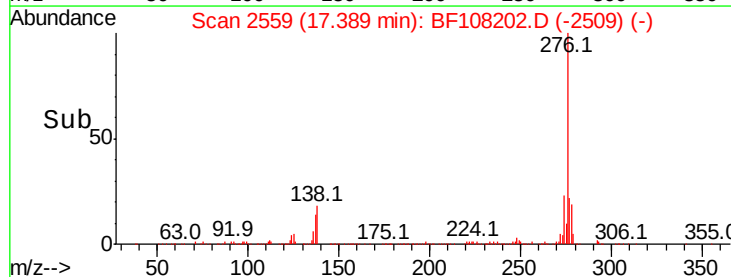
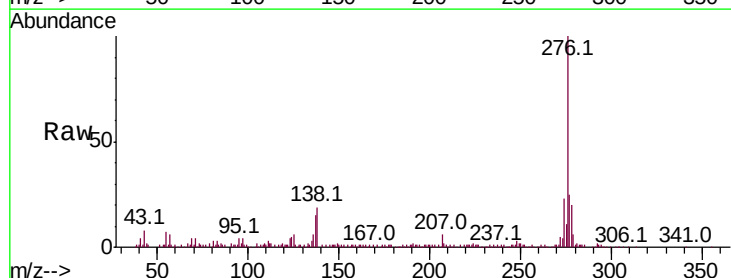
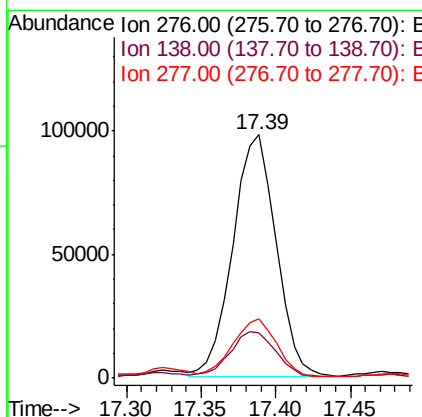
Manual Integrations
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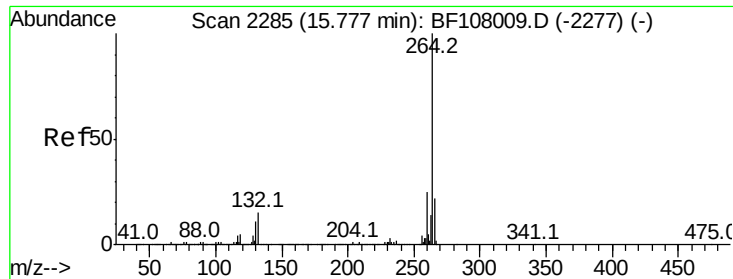
Sohil
8/17/2018 3:30:45 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 11.266 ng
RT: 17.39 min Scan# 2559
Delta R.T. -0.01 min
Lab File: BF108202.D
Acq: 16 Aug 2018 18:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.1	25.0	37.6
277	24.6	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.77 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BF108202.D

Acq: 16 Aug 2018 18:31

Instrument :

BNA_F

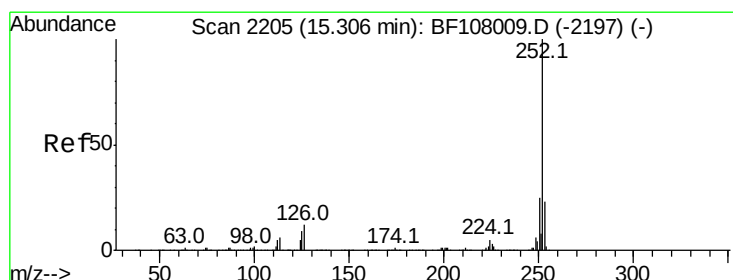
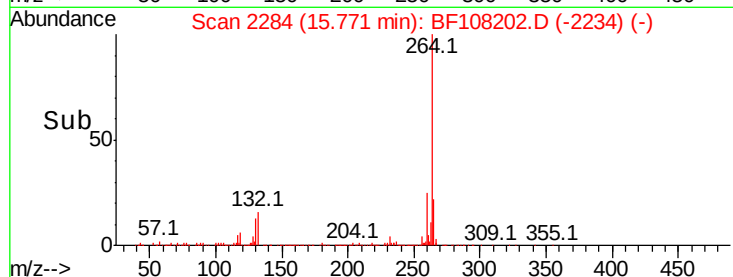
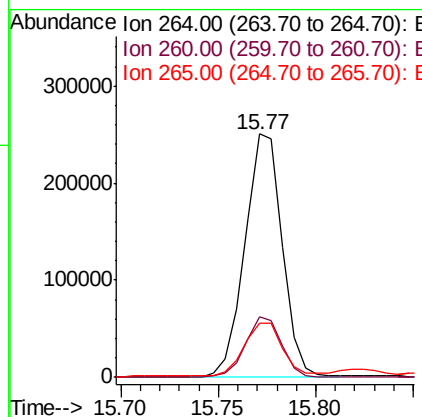
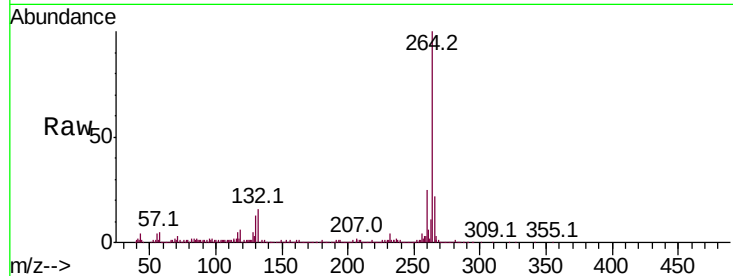
ClientSampleId :

DUP(0-1)

Tot Ion:	264	Resp:	330887
Ion Ratio	Lower	Upper	
264	100		
260	25.0	19.2	28.8
265	22.4	17.5	26.3

Manual Integrations
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Sohil
8/17/2018 3:30:45 PM



#87

Benzo(b)fluoranthene

Concen: 34.886 ng m

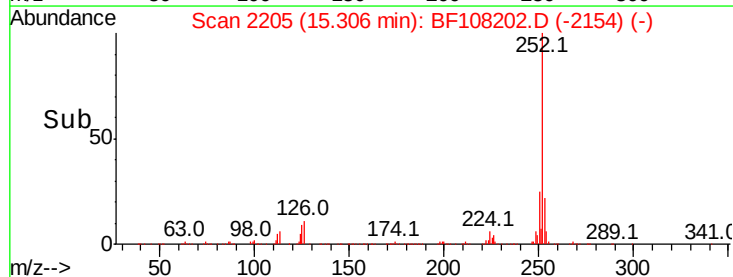
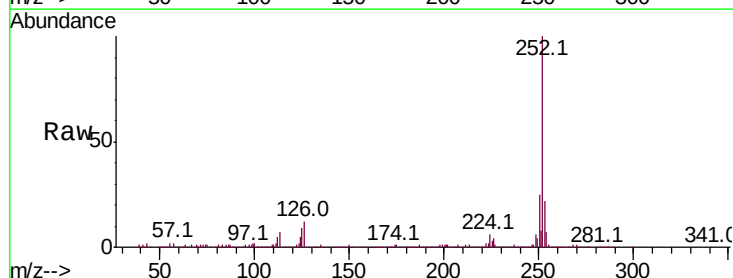
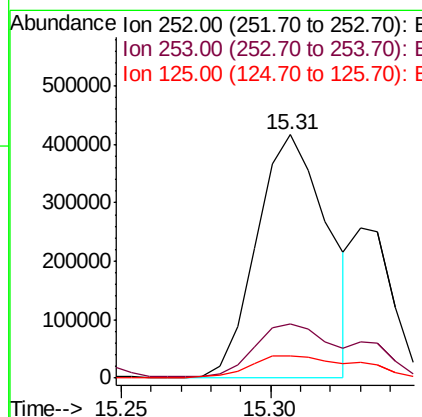
RT: 15.31 min Scan# 2205

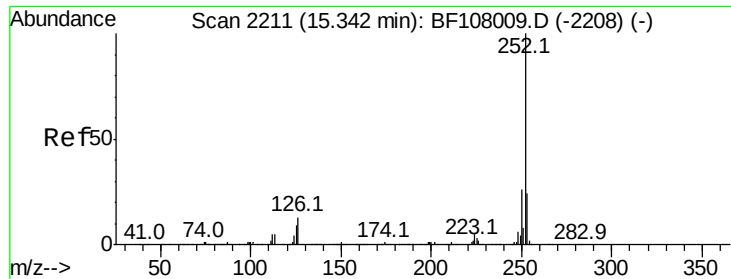
Delta R.T. 0.00 min

Lab File: BF108202.D

Acq: 16 Aug 2018 18:31

Tgt Ion:	252	Resp:	689770
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.0	25.6
125	9.3	9.0	13.6





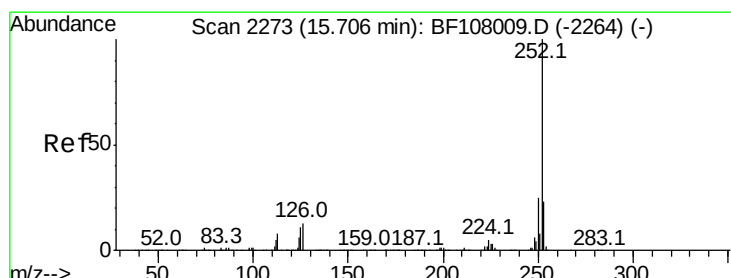
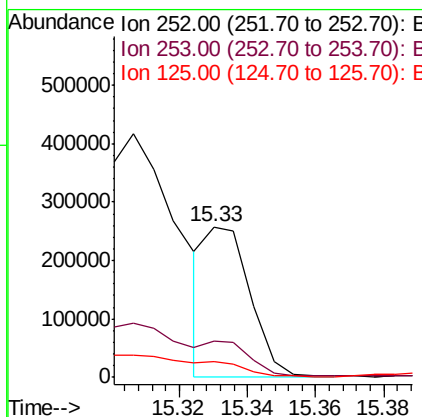
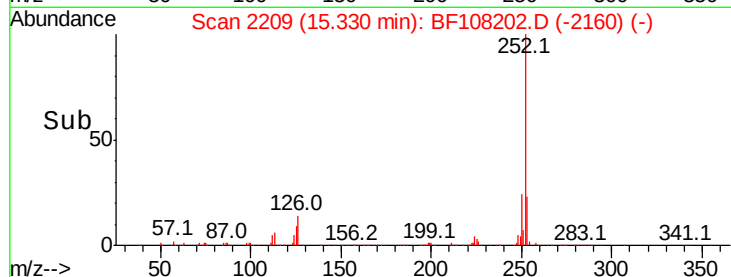
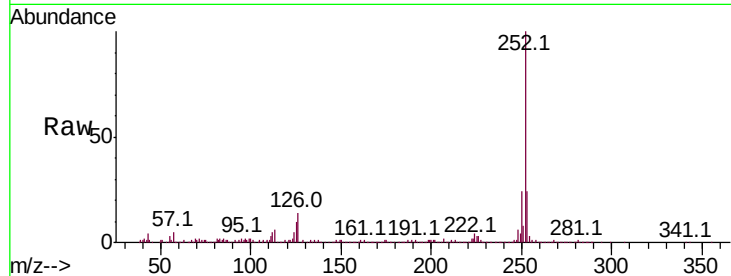
#88
Benzo(k)fluoranthene
Concen: 12.988 ng m
RT: 15.33 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF108202.D
Acq: 16 Aug 2018 18:31

Instrument :
BNA_F
ClientSampled :
DUP(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	10.1	10.2	15.2

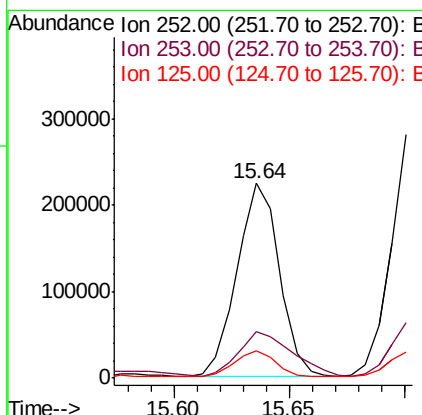
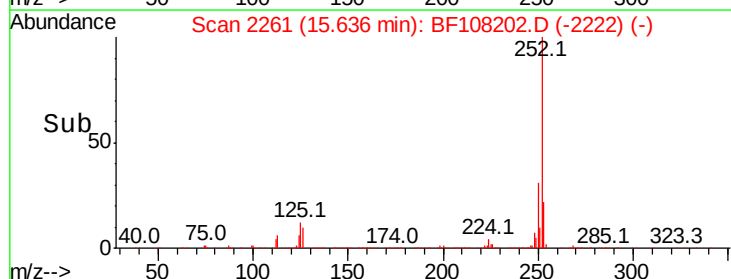
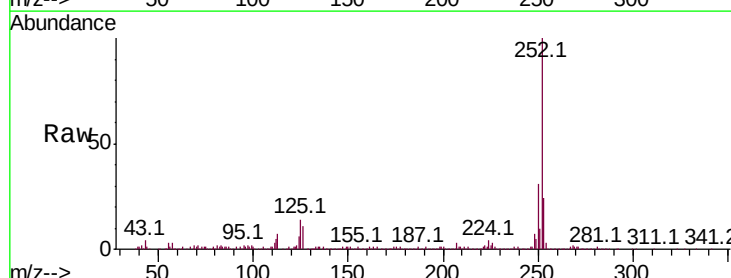
Manual Integrations
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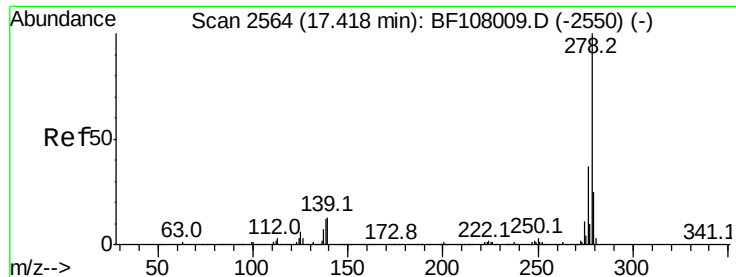
Sohil
8/17/2018 3:30:45 PM



#89
Benzo(a)pyrene
Concen: 16.259 ng
RT: 15.64 min Scan# 2261
Delta R.T. -0.07 min
Lab File: BF108202.D
Acq: 16 Aug 2018 18:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	13.7	9.8	14.6





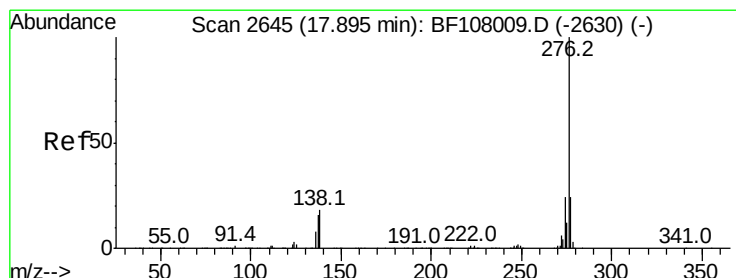
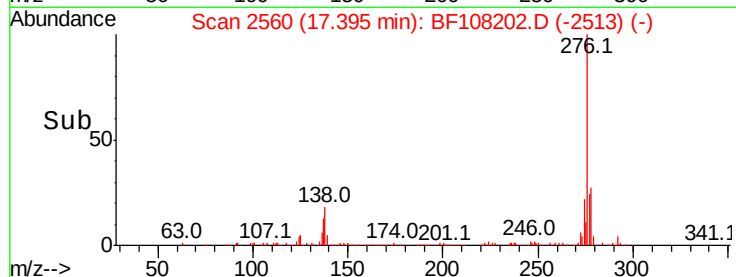
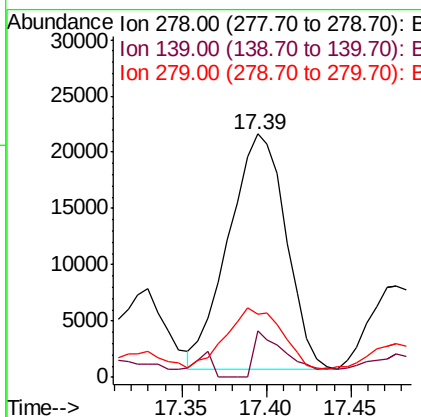
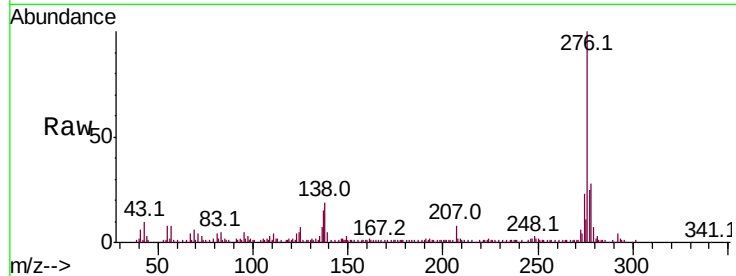
#90
Dibenzo(a,h)anthracene
Concen: 3.361 ng
RT: 17.39 min Scan# 2560
Delta R.T. -0.02 min
Lab File: BF108202.D
Acq: 16 Aug 2018 18:31

Instrument :
BNA_F
ClientSampled :
DUP(0-1)

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.1	15.9	23.9
279	26.1	19.0	28.4

Manual Integrations
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Sohil
8/17/2018 3:30:45 PM



#91
Benzo(g,h,i)perylene
Concen: 11.792 ng
RT: 17.88 min Scan# 2643
Delta R.T. -0.01 min
Lab File: BF108202.D
Acq: 16 Aug 2018 18:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.6	17.9	26.9
138	17.0	21.8	32.8#

