

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
 Data File : BF109931.D
 Acq On : 17 Oct 2018 20:21
 Operator : JU/SJ
 Sample : J5200-09 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-101618-A

Manual Integrations
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 10/18/2018 2:04:31 PM

Quant Time: Oct 18 11:16:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	230257	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	847216	20.00	ng	-0.01
39) Acenaphthene-d10	10.02	164	350068	20.00	ng	-0.01
64) Phenanthrene-d10	11.51	188	584966	20.00	ng	0.00
76) Chrysene-d12	14.16	240	593726	20.00	ng	0.00
87) Perylene-d12	15.68	264	552546	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	520826	35.85	ng	-0.01
7) Phenol-d6	6.59	99	627649	34.80	ng	-0.02
23) Nitrobenzene-d5	7.53	82	351230	27.93	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	107245	35.39	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	598809	27.29	ng	-0.01
79) Terphenyl-d14	13.09	244	545765	19.30	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.28	128	94049	2.421	ng	99
37) 2-Methylnaphthalene	8.97	142	60305	2.397	ng	99
38) 1-Methylnaphthalene	9.07	142	57203m	2.347	ng	
49) Acenaphthylene	9.87	152	67637	2.027	ng	# 96
50) Dimethylphthalate	9.72	163	75734	3.055	ng	99
52) Acenaphthene	10.05	154	77870	3.665	ng	99
55) Dibenzofuran	10.22	168	82584	2.725	ng	93
58) Fluorene	10.56	166	141019	6.393	ng	98
71) Phenanthrene	11.53	178	875776	28.919	ng	100
72) Anthracene	11.58	178	254224	8.350	ng	98
73) Carbazole	11.73	167	72517	2.423	ng	96
75) Fluoranthene	12.73	202	1017889	33.645	ng	99
78) Pvrene	12.96	202	1022742	23.453	ng	99
81) Benzo(a)anthracene	14.14	228	466397	13.336	ng	96
83) Chrysene	14.18	228	453672	13.629	ng	96
86) Indeno(1,2,3-cd)pyrene	17.24	276	173064	6.457	ng	97
88) Benzo(b)fluoranthene	15.23	252	533754m	16.755	ng	
89) Benzo(k)fluoranthene	15.25	252	158957m	5.063	ng	
90) Benzo(a)pvrene	15.62	252	381955	13.037	ng	97
92) Benzo(a,h,i)perylene	17.71	276	161949	6.173	ng	# 94

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

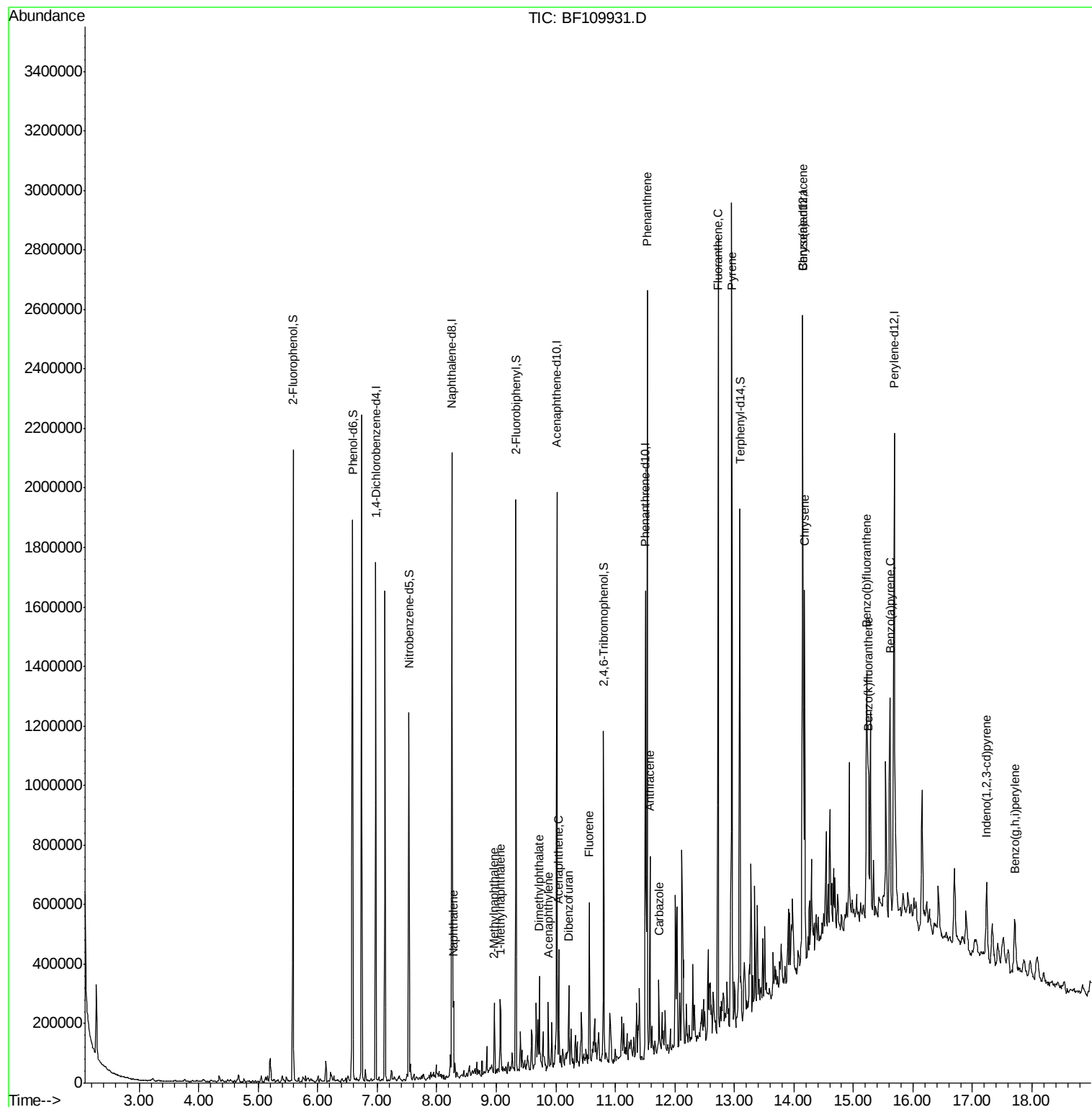
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
Data File : BF109931.D
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Operator : JU/SJ
Sample : J5200-09 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

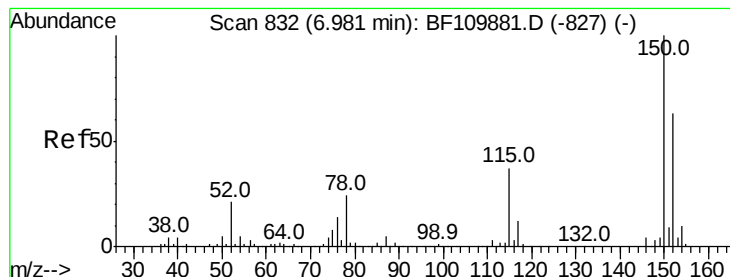
Instrument :
BNA_F
ClientSampleID :
OR-01-101618-A

Manual Integrations
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Quant Time: Oct 18 11:16:40 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 14:58:24 2018
Response via : Initial Calibration





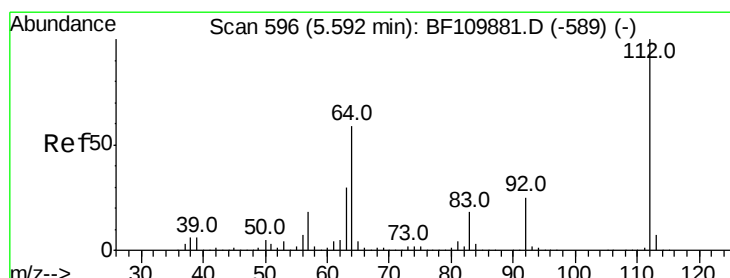
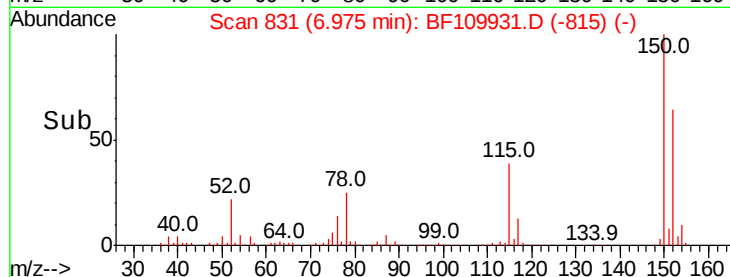
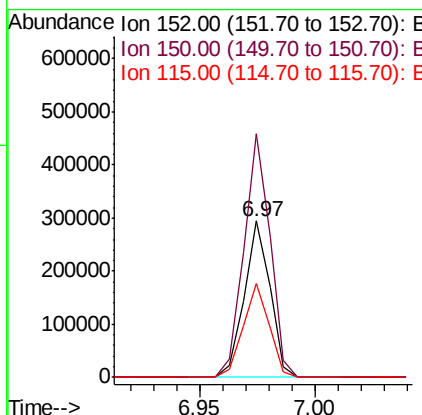
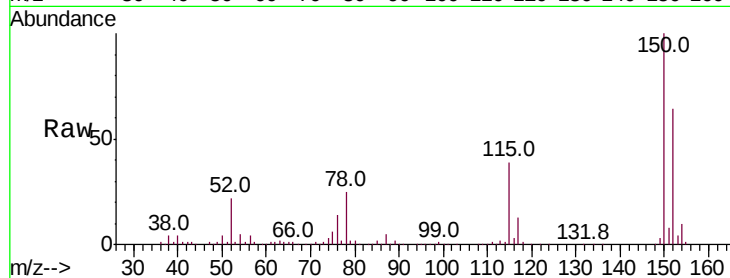
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 831
 Delta R.T. -0.01 min
 Lab File: BF109931.D
 Acq: 17 Oct 2018 20:21

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-101618-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	122.7	184.1
115	60.0	49.1	73.7

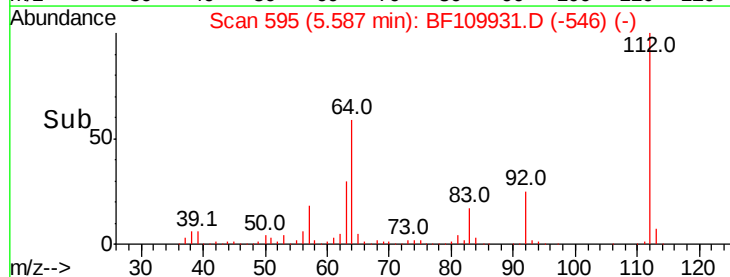
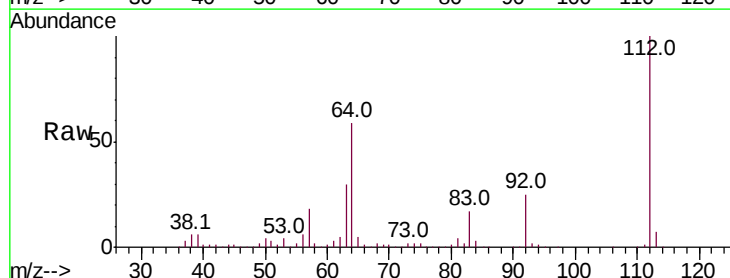
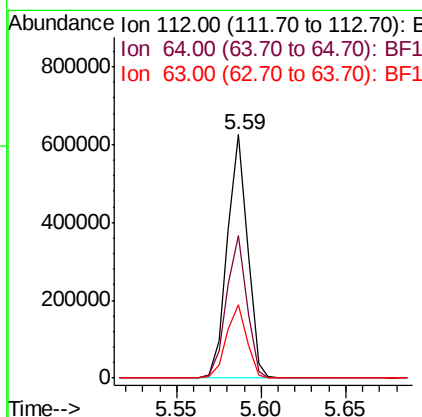
Manual Integrations
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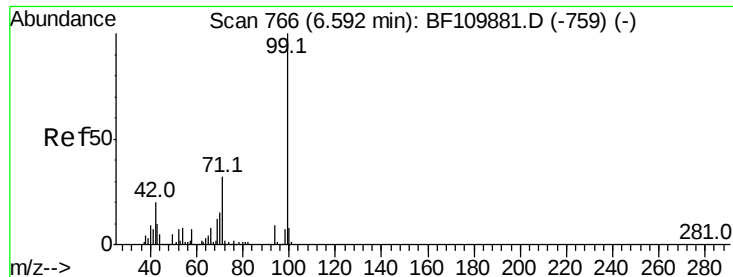
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#5
 2-Fluorophenol
 Concen: 35.855 ng
 RT: 5.59 min Scan# 595
 Delta R.T. -0.01 min
 Lab File: BF109931.D
 Acq: 17 Oct 2018 20:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	44.1	66.1
63	30.0	23.7	35.5





#7

Phenol-d6

Concen: 34.797 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF109931.D

Acq: 17 Oct 2018 20:21

Instrument :

BNA_F

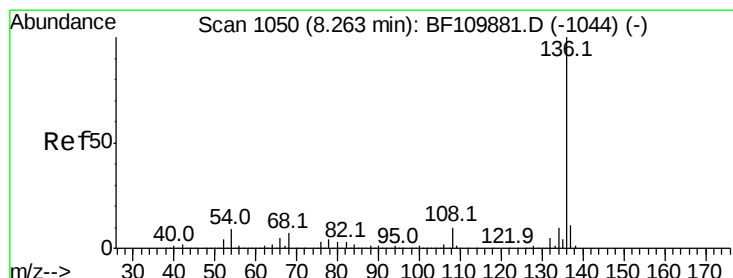
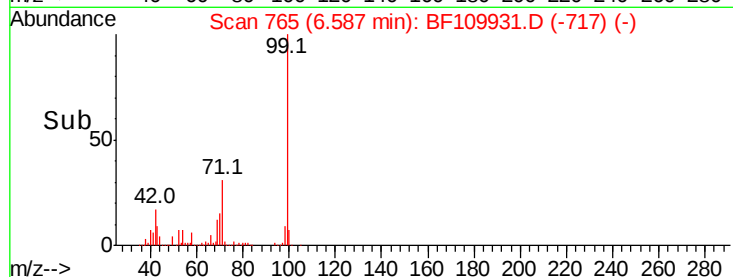
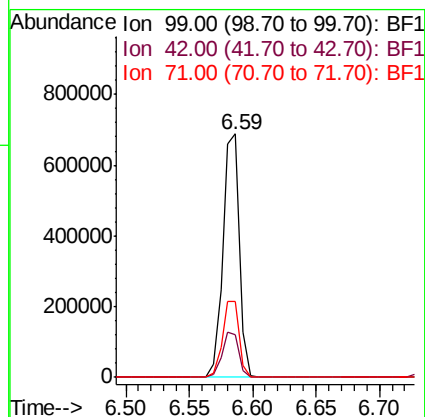
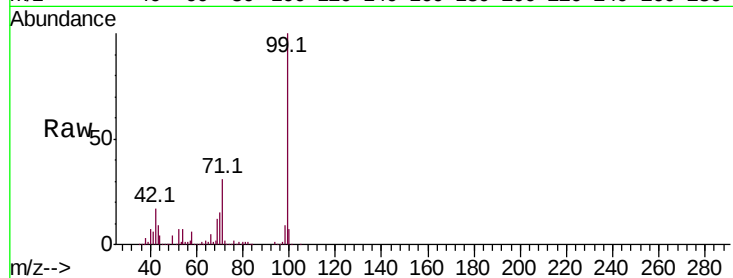
ClientSampleId :

OR-01-101618-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		627649		
42	17.3	15.8	23.6		
71	31.4	28.0	42.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

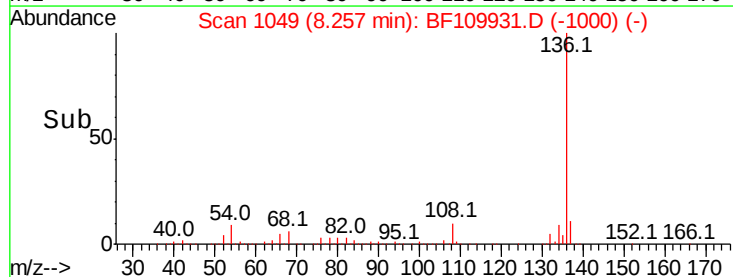
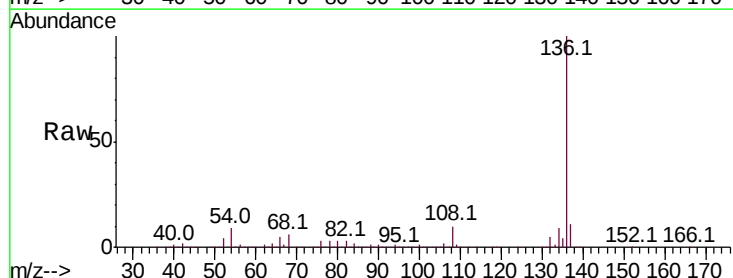
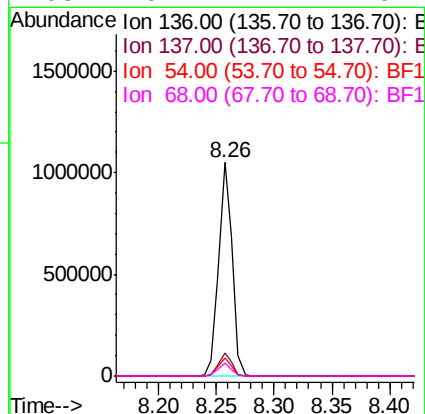
RT: 8.26 min Scan# 1049

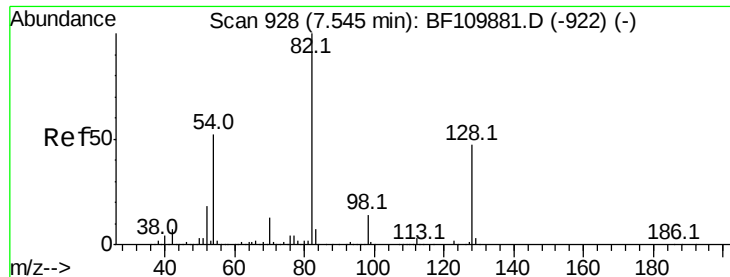
Delta R.T. -0.01 min

Lab File: BF109931.D

Acq: 17 Oct 2018 20:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		847216		
137	11.1	8.8	13.2		
54	8.6	5.4	8.2#		
68	6.2	4.2	6.2		





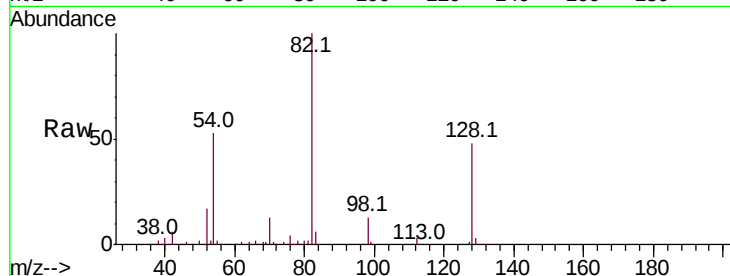
#23
Nitrobenzene-d5
Concen: 27.927 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.02 min
Lab File: BF109931.D
Acq: 17 Oct 2018 20:21

Instrument :
BNA_F
ClientSampleId :
OR-01-101618-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.5	34.2	51.2
54	52.5	38.6	58.0

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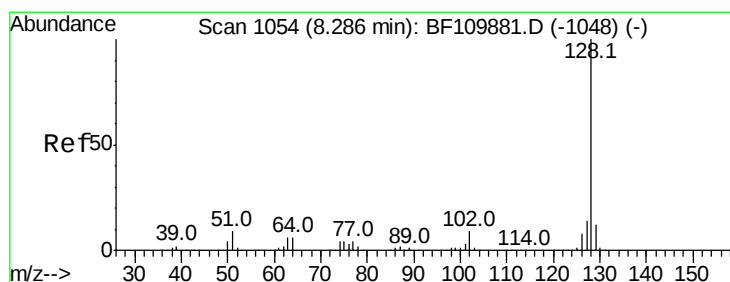
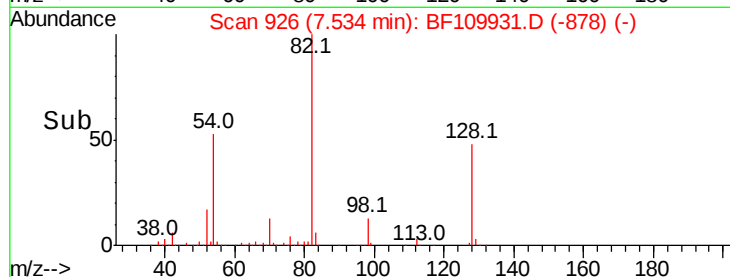
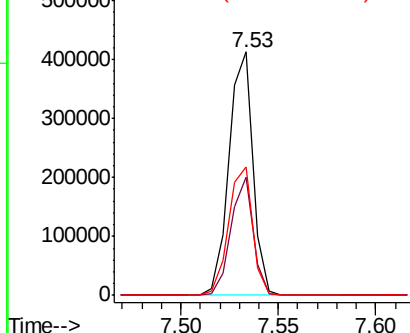


Abundance

Ion 82.00 (81.70 to 82.70): BF1

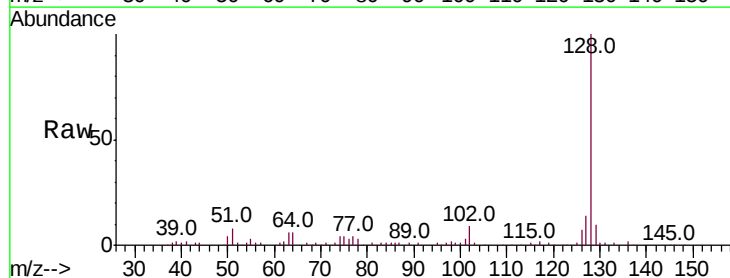
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#31
Naphthalene
Concen: 2.421 ng
RT: 8.28 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BF109931.D
Acq: 17 Oct 2018 20:21

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.8	13.2
127	13.5	10.8	16.2

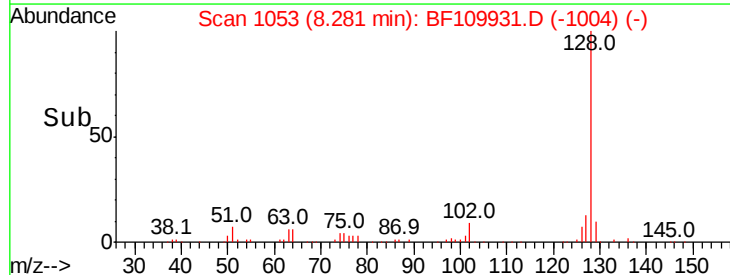
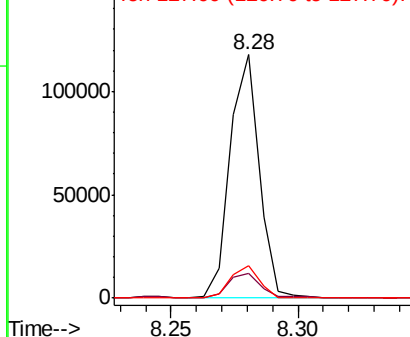


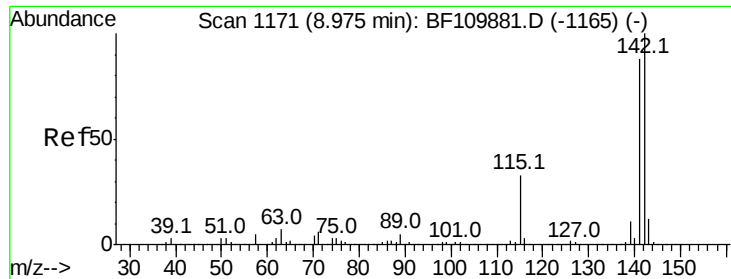
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





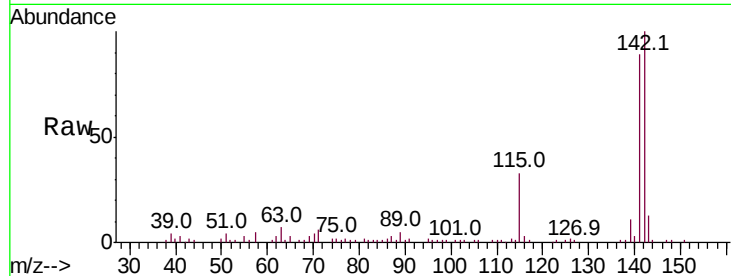
#37
2-Methylnaphthalene
Concen: 2.397 ng
RT: 8.97 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BF109931.D
Acq: 17 Oct 2018 20:21

Instrument :
BNA_F
ClientSampleId :
OR-01-101618-A

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.4	107.2
115	33.0	28.7	43.1

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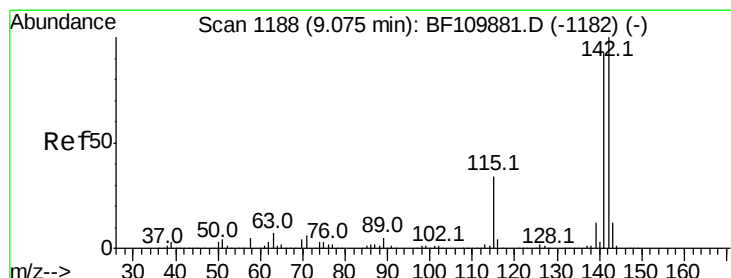
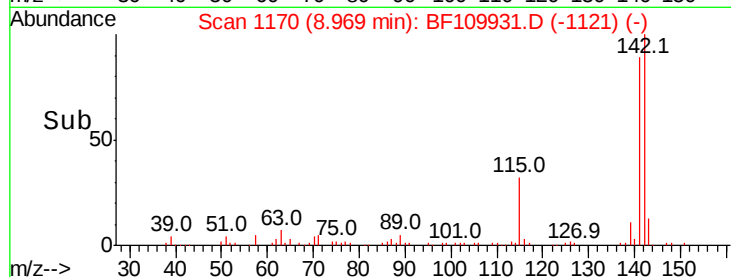
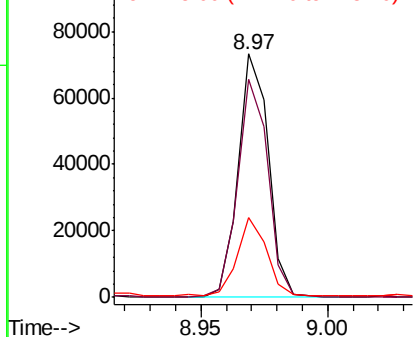


Abundance

Ion 142.00 (141.70 to 142.70): E

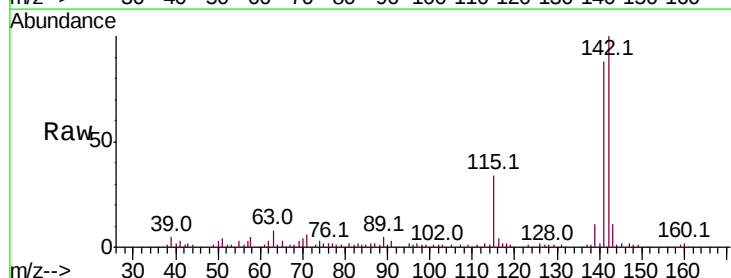
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 2.347 ng m
RT: 9.07 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF109931.D
Acq: 17 Oct 2018 20:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.1	74.2	111.4
116	4.1	2.6	4.0#

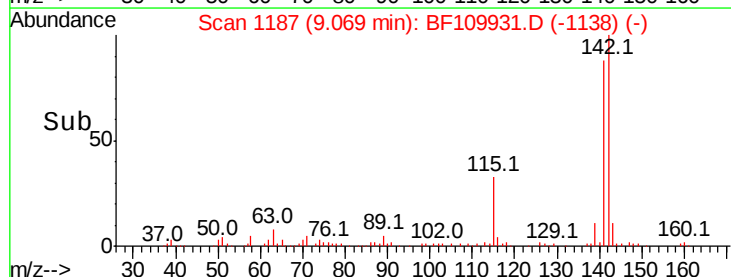
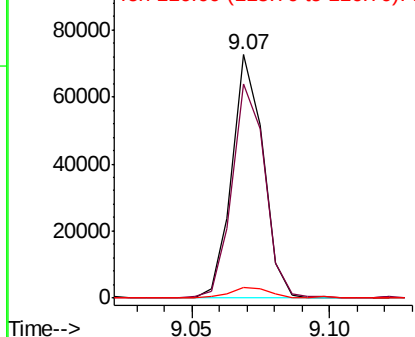


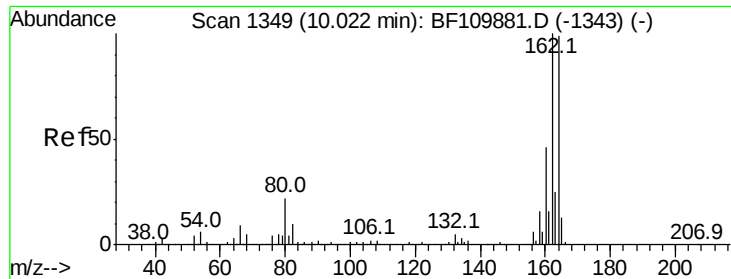
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





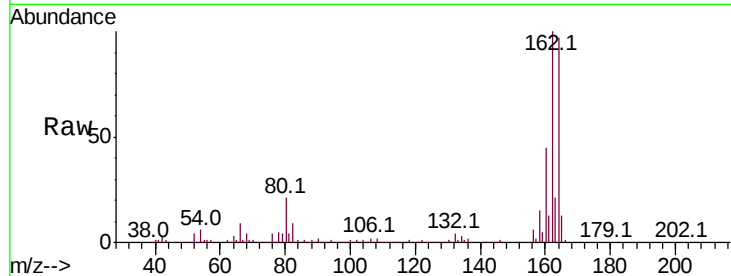
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF109931.D
Acq: 17 Oct 2018 20:21

Instrument :
BNA_F
ClientSampleId :
OR-01-101618-A

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.9	83.0	124.6
160	46.2	37.0	55.6

Manual Integrations
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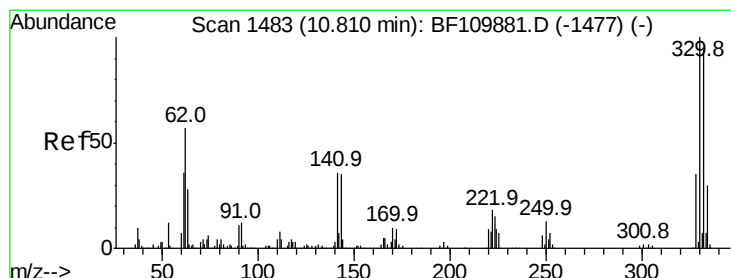
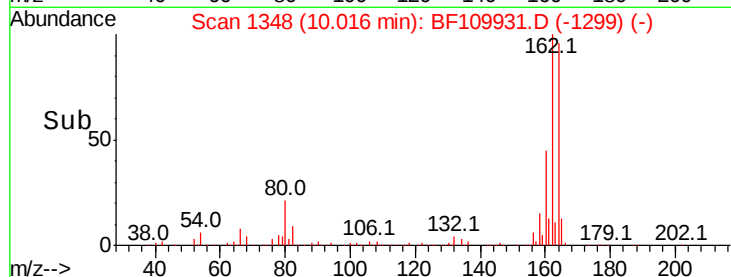
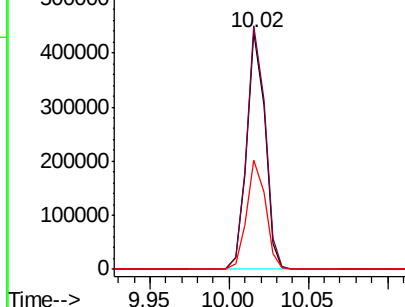


Abundance

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



#42
2,4,6-Tribromophenol
Concen: 35.385 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF109931.D
Acq: 17 Oct 2018 20:21

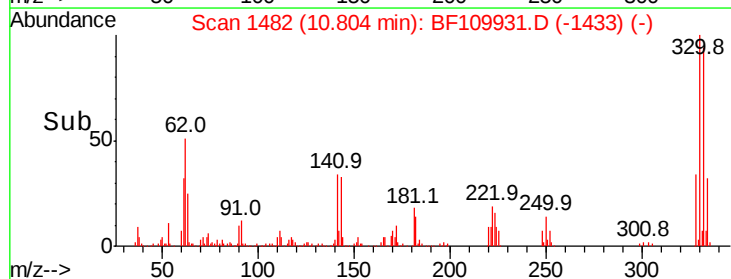
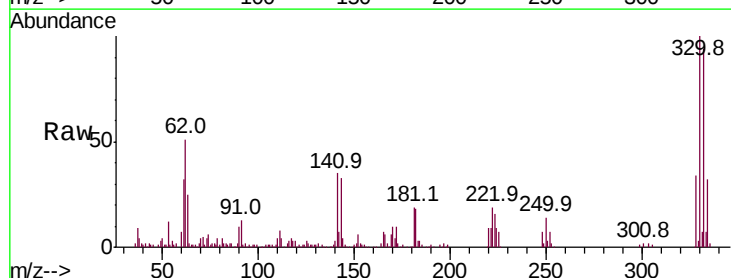
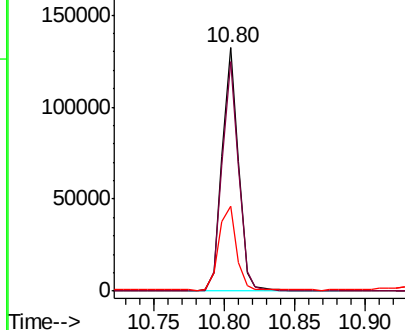
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.1	115.7
141	36.5	27.0	40.4

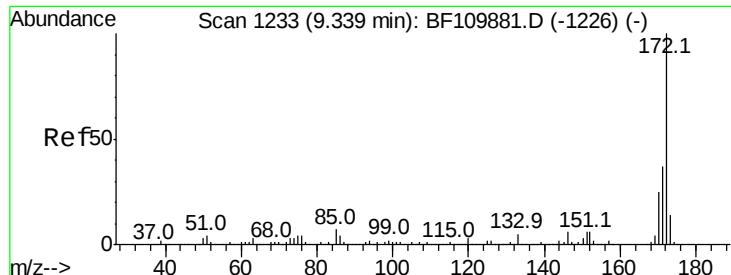
Abundance

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





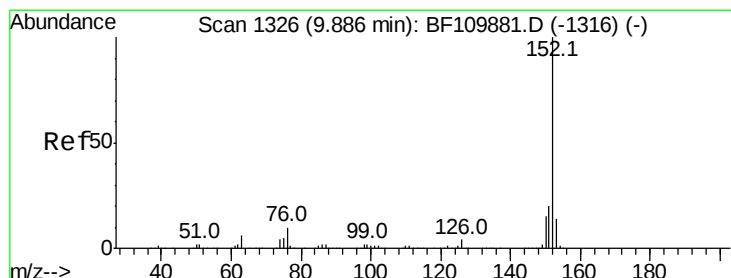
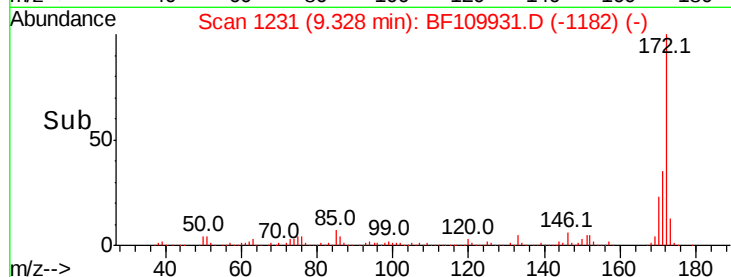
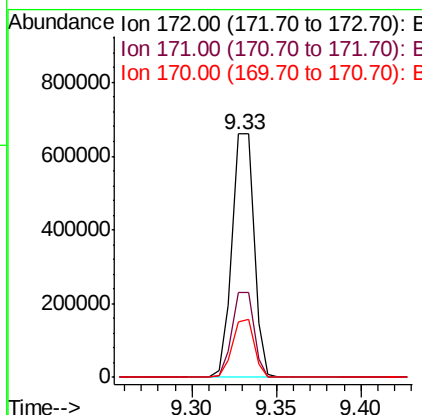
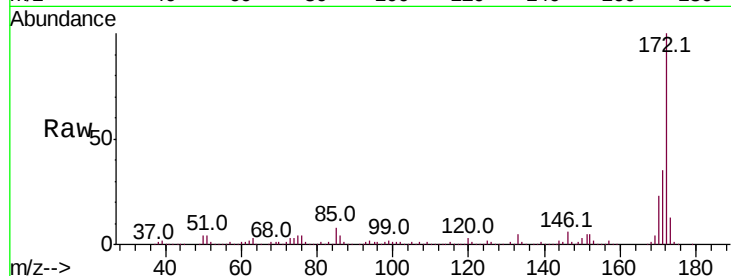
#45
2-Fluorobiphenyl
Concen: 27.294 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF109931.D
Acq: 17 Oct 2018 20:21

Instrument :
BNA_F
ClientSampleId :
OR-01-101618-A

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.0	28.6	43.0	
170	22.8	19.7	29.5	

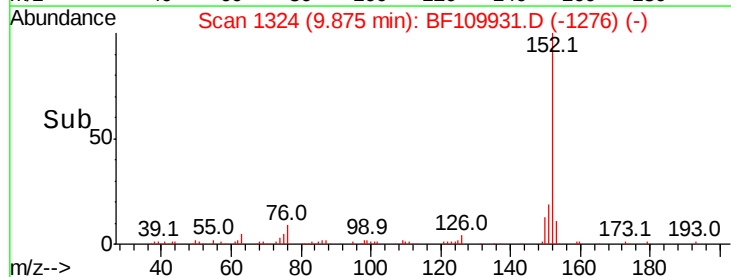
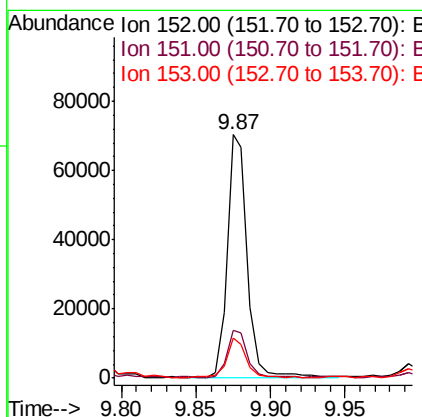
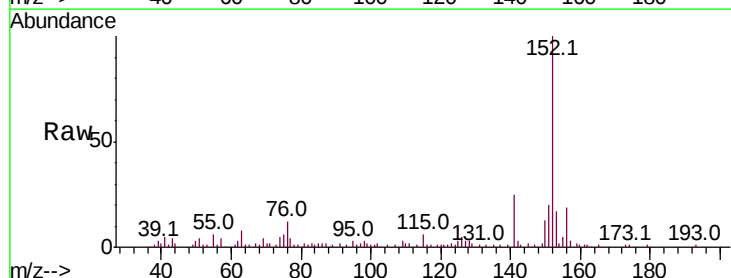
Manual Integrations
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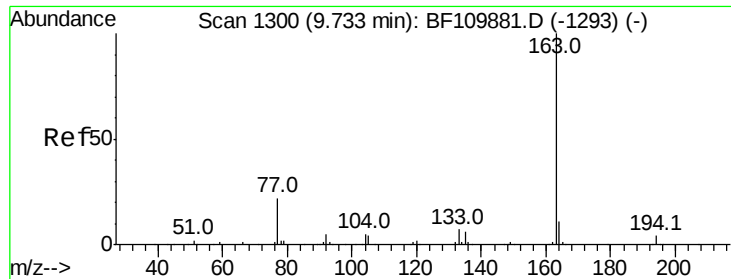
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#49
Acenaphthylene
Concen: 2.027 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF109931.D
Acq: 17 Oct 2018 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	19.6	15.8	23.8	
153	16.6	10.4	15.6#	





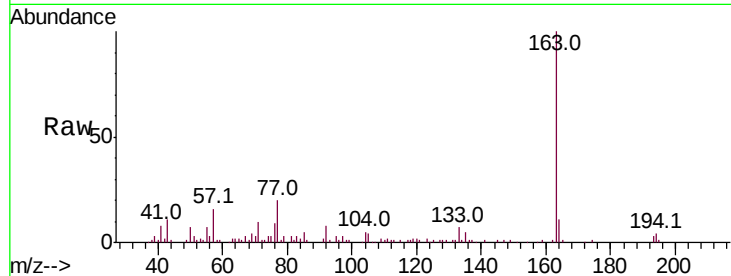
#50
Dimethylphthalate
Concen: 3.055 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BF109931.D
Acq: 17 Oct 2018 20:21

Instrument :
BNA_F
ClientSampleId :
OR-01-101618-A

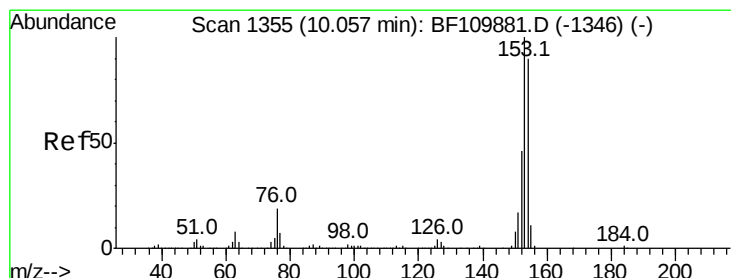
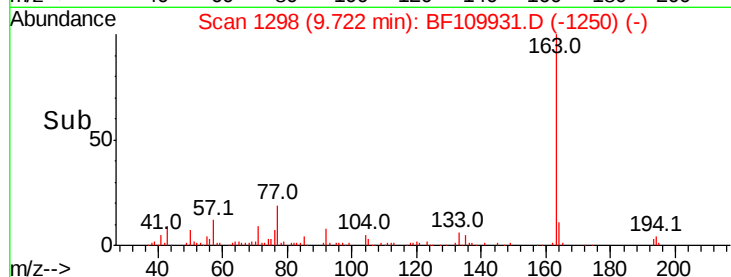
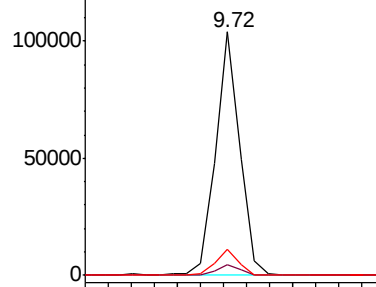
Tot Ion	Ratio	Resp	Lower	Upper
163	100	75734		
194	4.1		3.2	4.8
164	10.6		8.1	12.1

Manual Integrations
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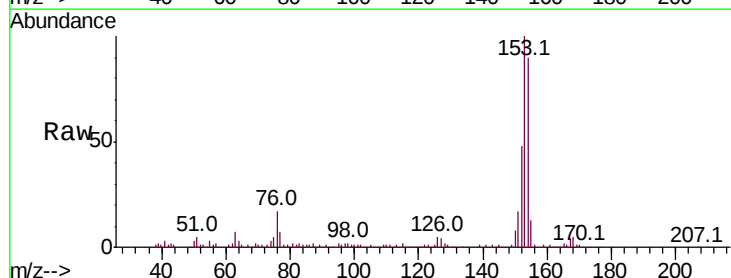


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

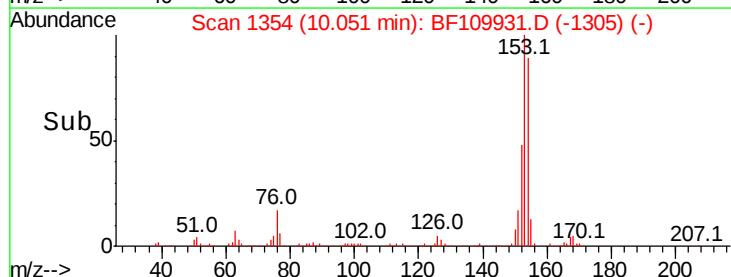
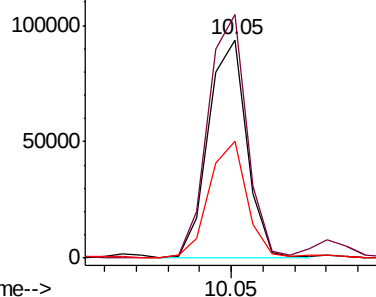


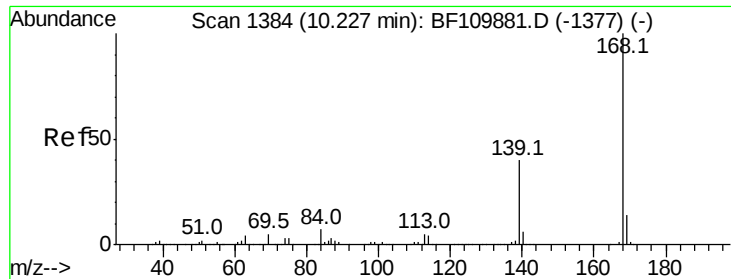
#52
Acenaphthene
Concen: 3.665 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BF109931.D
Acq: 17 Oct 2018 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	77870		
153	111.5		90.1	135.1
152	53.3		43.4	65.2



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





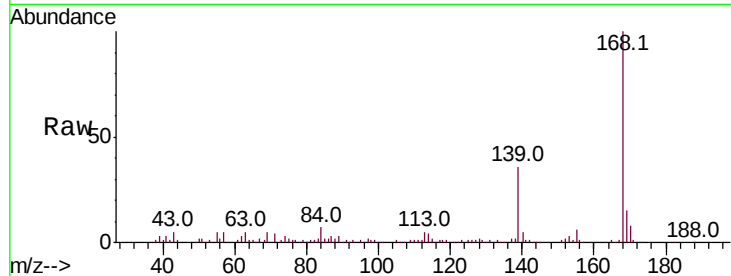
#55
Dibenzofuran
Concen: 2.725 ng
RT: 10.22 min Scan# 1383
Delta R.T. -0.01 min
Lab File: BF109931.D
Acq: 17 Oct 2018 20:21

Instrument :
BNA_F
ClientSampleId :
OR-01-101618-A

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.7	33.0	49.6
169	14.6	11.3	16.9

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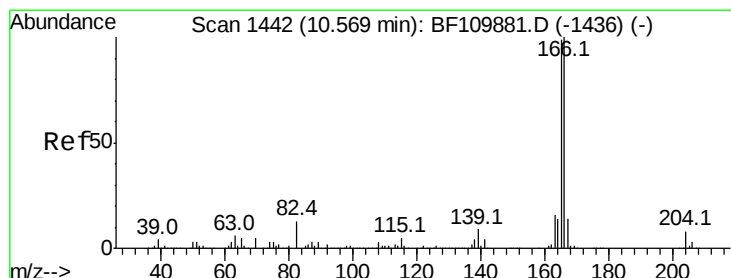
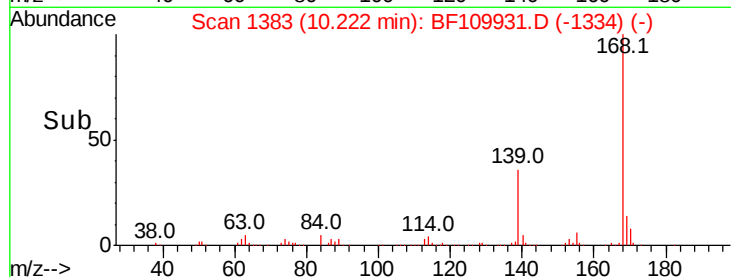
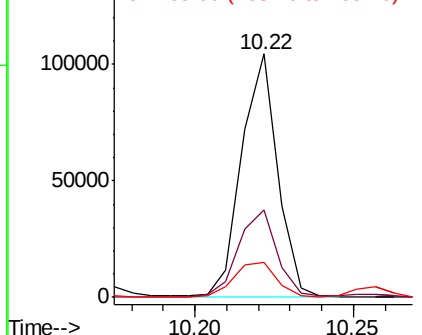


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58
Fluorene
Concen: 6.393 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF109931.D
Acq: 17 Oct 2018 20:21

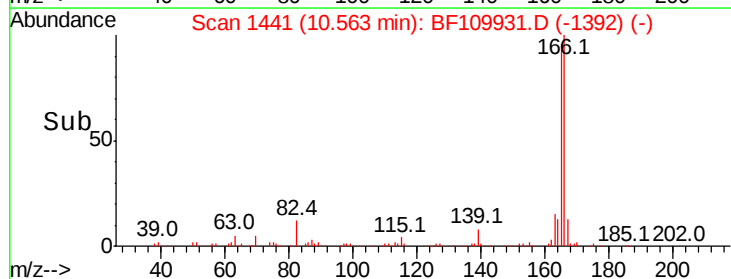
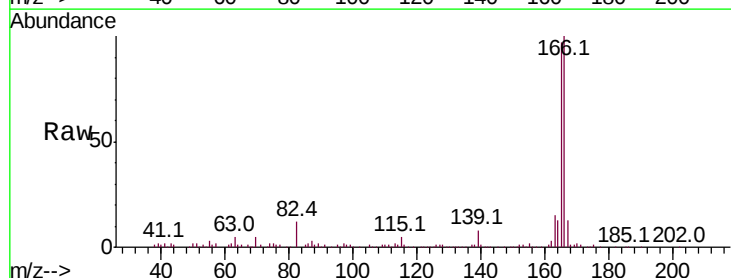
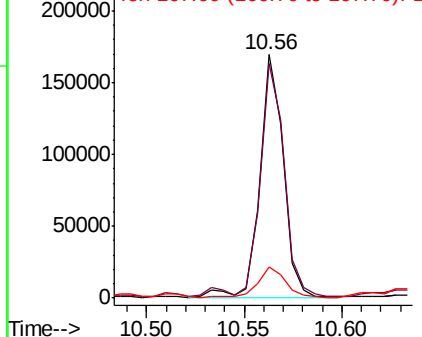
Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.6	78.6	117.8
167	13.0	10.8	16.2

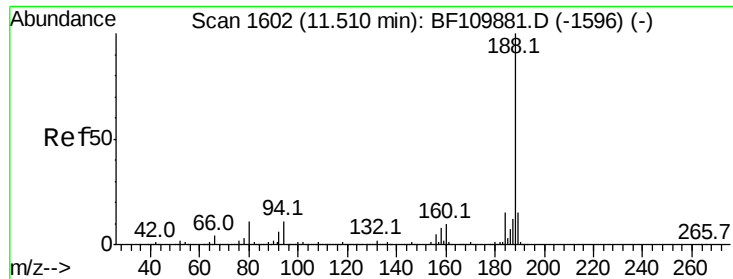
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





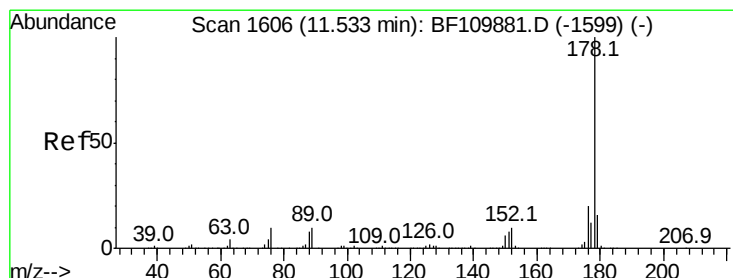
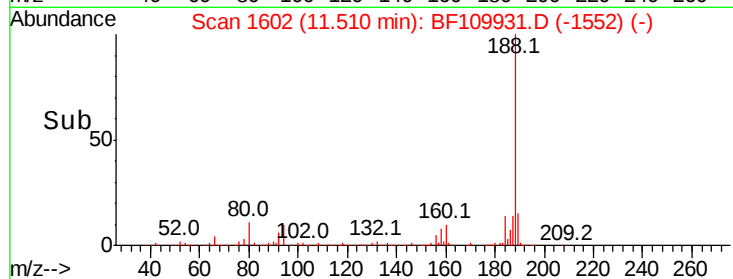
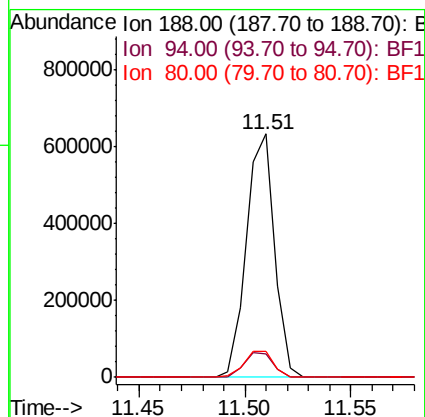
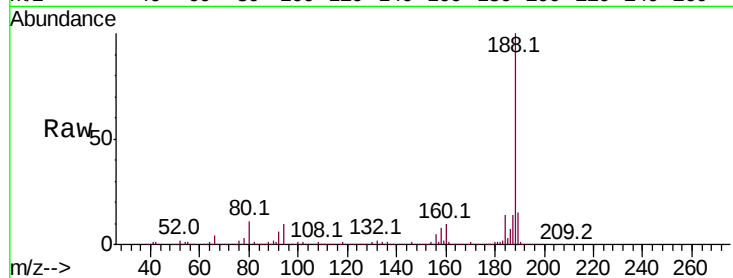
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF109931.D
Acq: 17 Oct 2018 20:21

Instrument :
BNA_F
ClientSampleId :
OR-01-101618-A

Tot Ion	Ratio	Resp	Lower	Upper
188	100	584966		
94	9.8		7.2	10.8
80	10.6		7.9	11.9

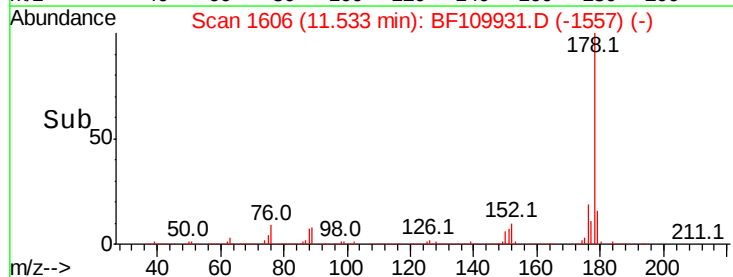
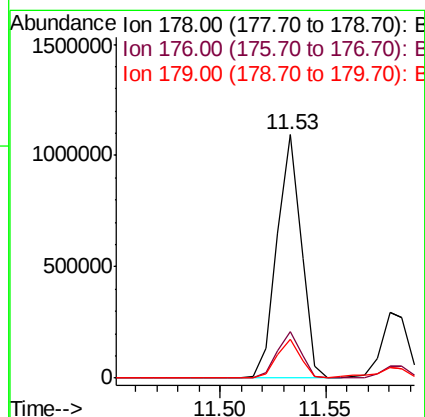
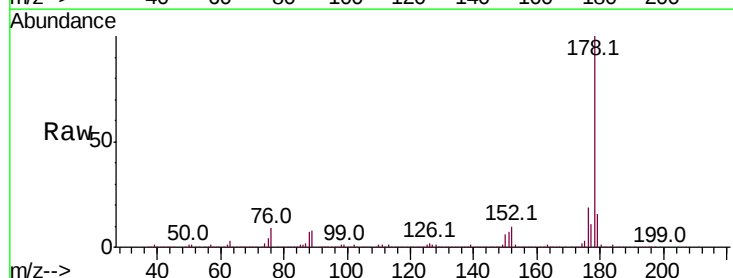
Manual Integrations
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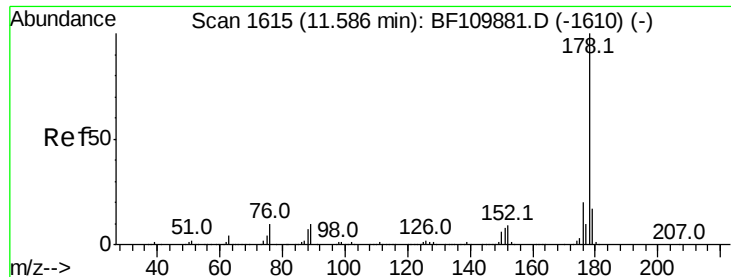
Sohil
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#71
Phenanthrene
Concen: 28.919 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF109931.D
Acq: 17 Oct 2018 20:21

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	875776		
176	19.3		15.5	23.3
179	15.7		12.5	18.7





#72

Anthracene

Concen: 8.350 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.02 min

Lab File: BF109931.D

Acq: 17 Oct 2018 20:21

Instrument :

BNA_F

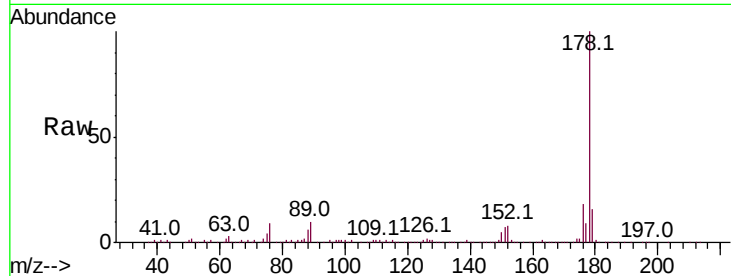
ClientSampleId :

OR-01-101618-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	16.1	12.6	18.8

Manual Integrations
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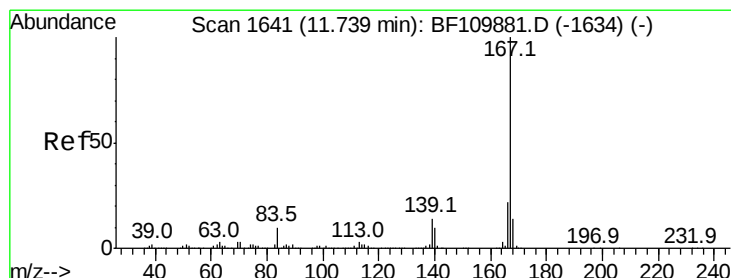
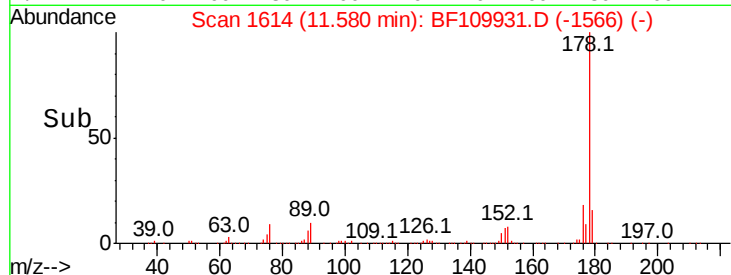
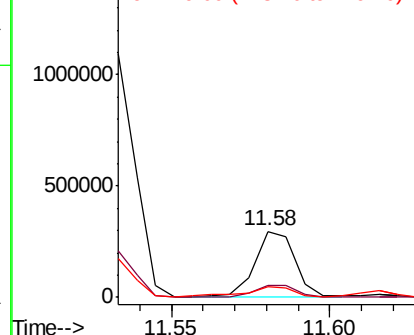


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 2.423 ng

RT: 11.73 min Scan# 1640

Delta R.T. -0.01 min

Lab File: BF109931.D

Acq: 17 Oct 2018 20:21

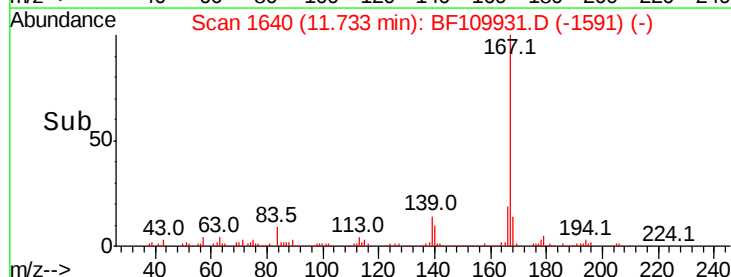
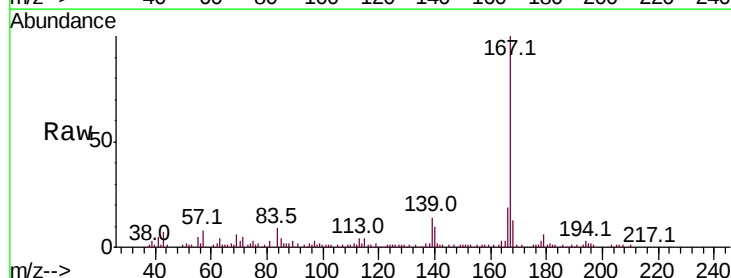
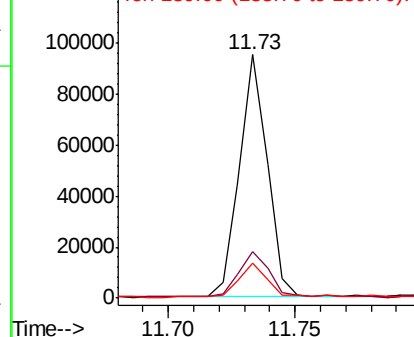
Tgt Ion	Ratio	Lower	Upper
167	100		
166	19.3	17.4	26.0
139	14.4	10.9	16.3

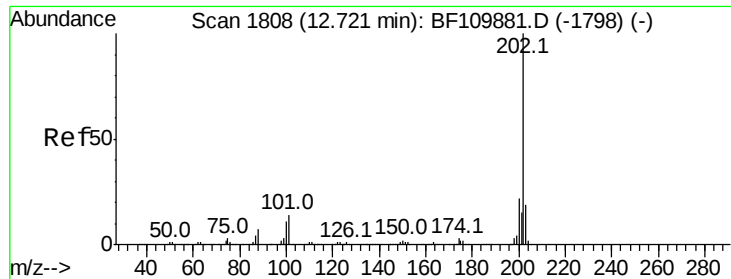
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 33.645 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF109931.D

Acq: 17 Oct 2018 20:21

Instrument :

BNA_F

ClientSampleId :

OR-01-101618-A

Tot Ion:202 Resp: 1017889

Ion Ratio Lower Upper

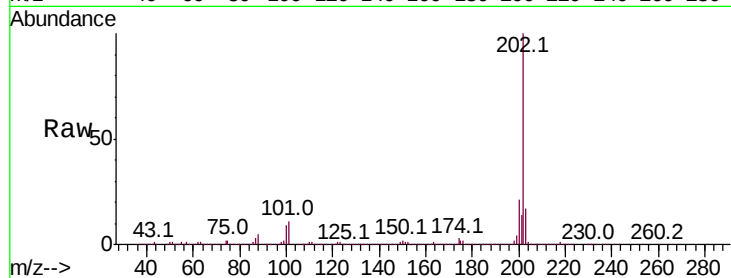
202 100

101 11.2 0.0 31.4

203 17.4 0.0 37.7

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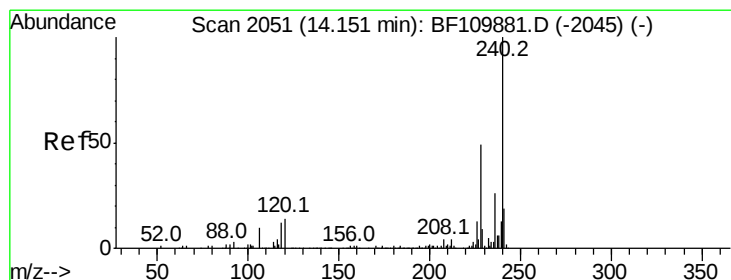
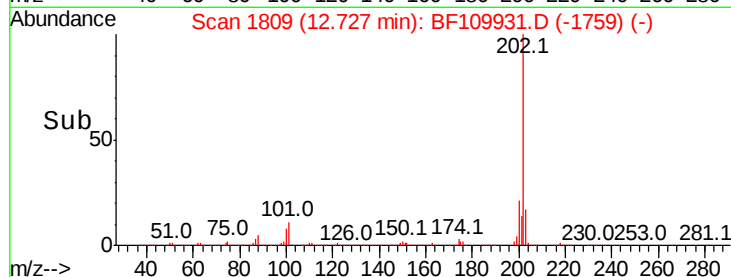
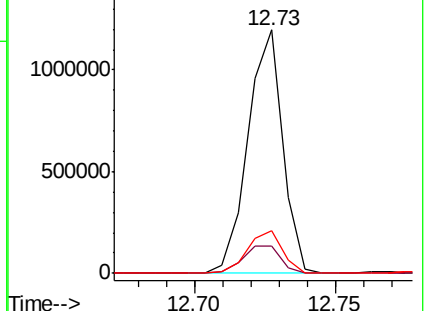
Sohil
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF109931.D

Acq: 17 Oct 2018 20:21

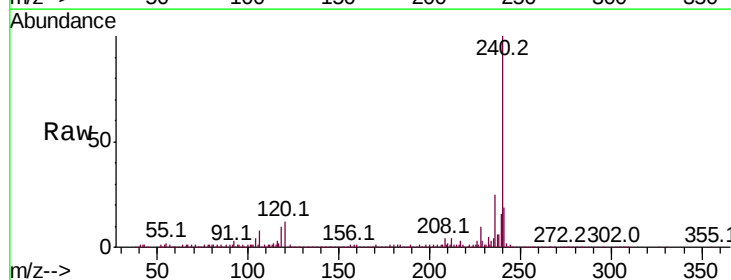
Tgt Ion:240 Resp: 593726

Ion Ratio Lower Upper

240 100

120 11.6 8.3 12.5

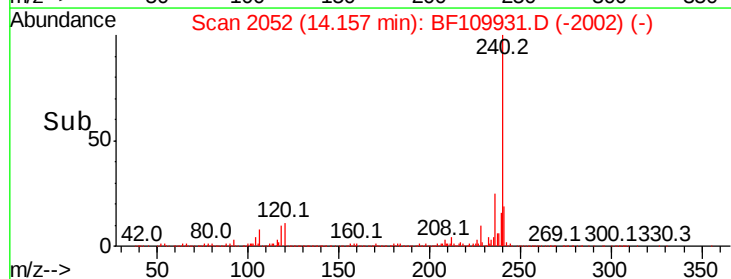
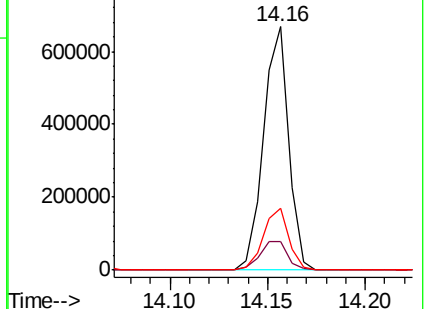
236 25.4 21.2 31.8

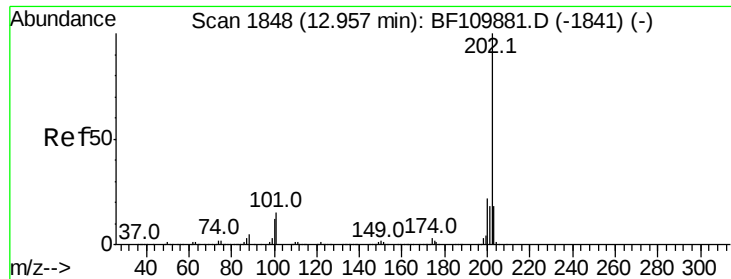


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





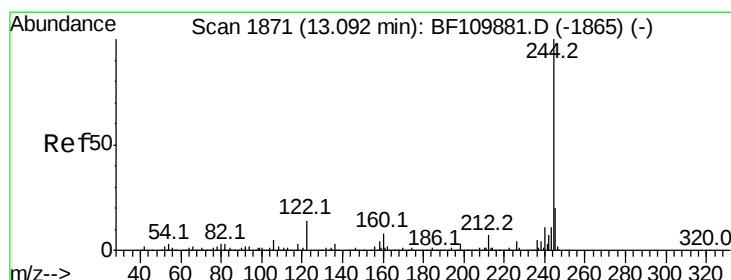
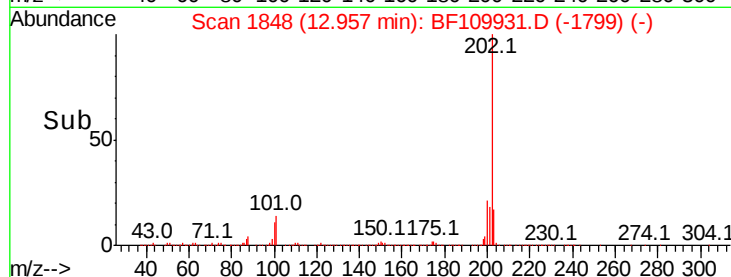
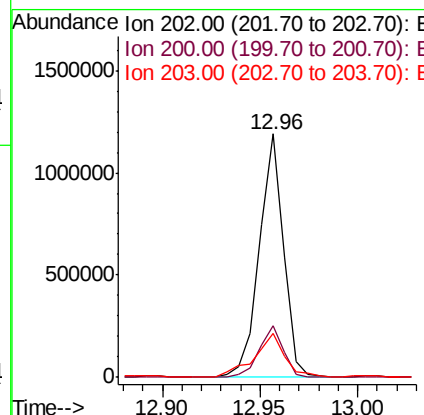
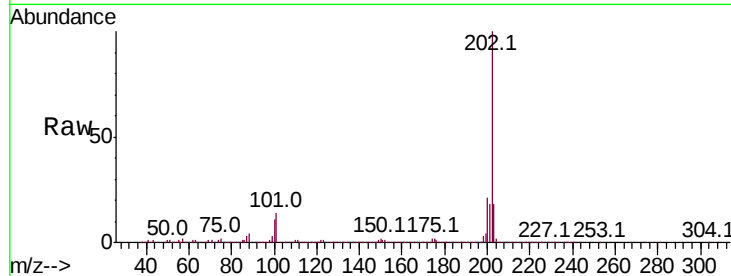
#78
Pvrene
Concen: 23.453 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF109931.D
Acq: 17 Oct 2018 20:21

Instrument :
BNA_F
ClientSampleId :
OR-01-101618-A

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.8	26.6
203	17.8	14.2	21.4

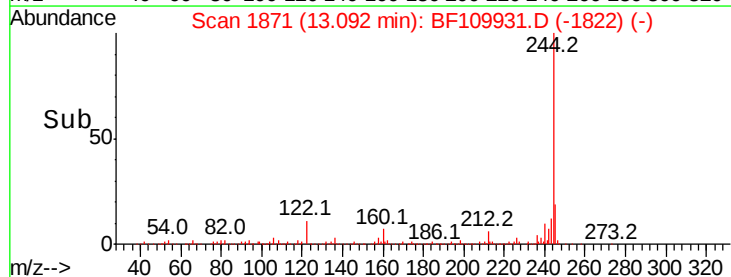
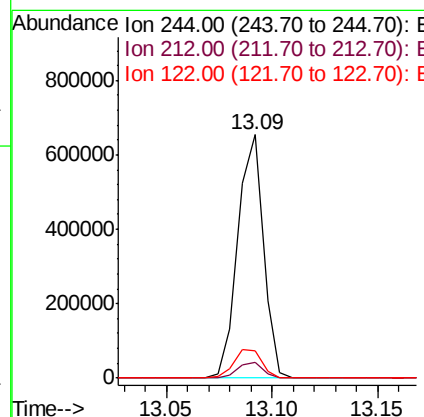
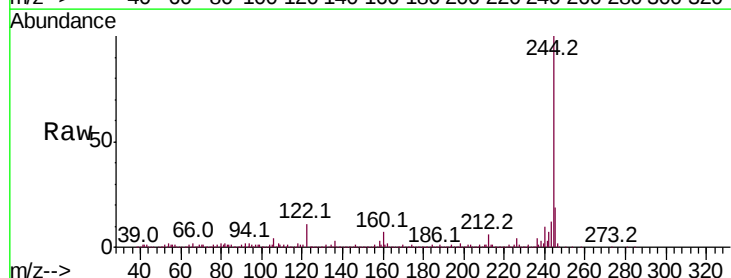
Manual Integrations
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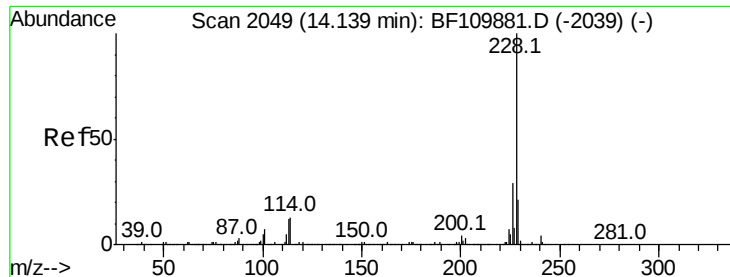
Sohil
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#79
Terphenyl-d14
Concen: 19.303 ng
RT: 13.09 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BF109931.D
Acq: 17 Oct 2018 20:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.8
122	11.0	8.7	13.1





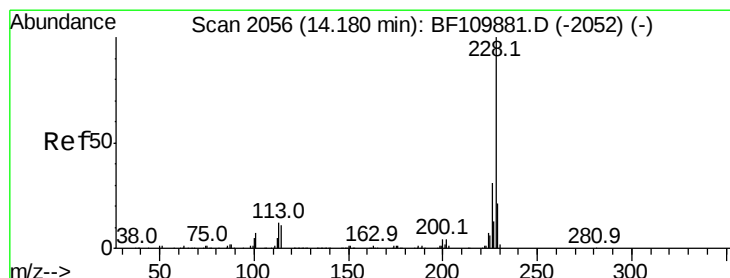
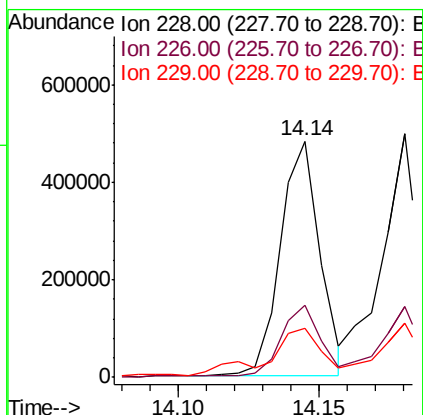
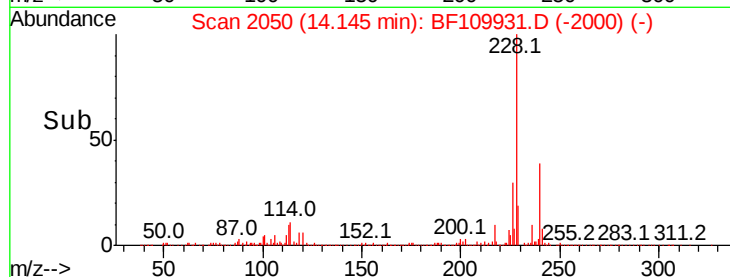
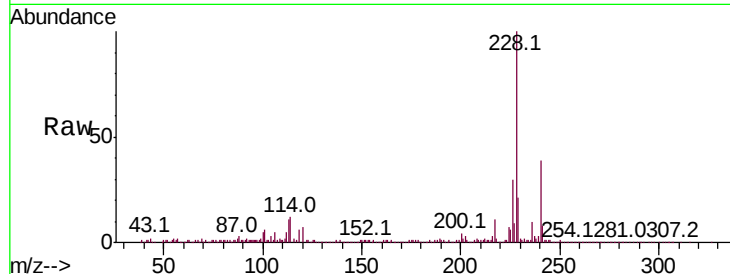
#81
Benzo(a)anthracene
Concen: 13.336 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF109931.D
Acq: 17 Oct 2018 20:21

Instrument :
BNA_F
ClientSampleId :
OR-01-101618-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.1	33.1
229	20.6	15.6	23.4

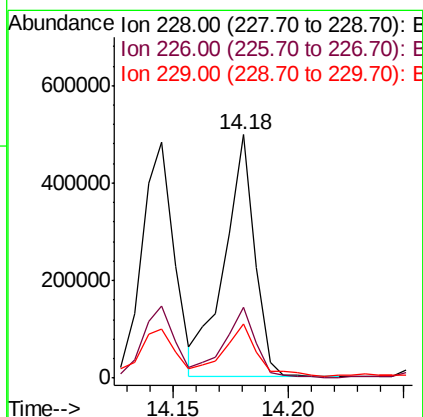
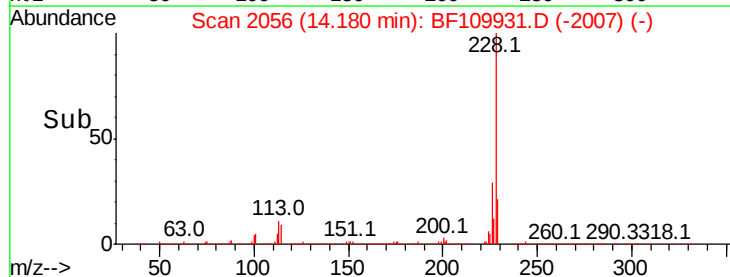
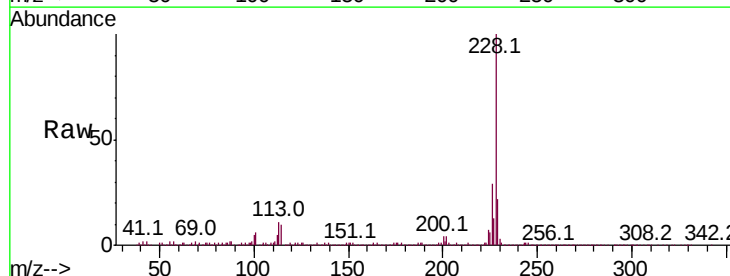
Manual Integrations
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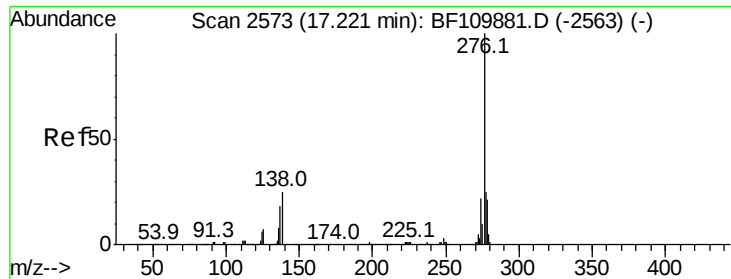
Sohil
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#83
Chrysene
Concen: 13.629 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF109931.D
Acq: 17 Oct 2018 20:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.7	37.1
229	22.1	15.9	23.9





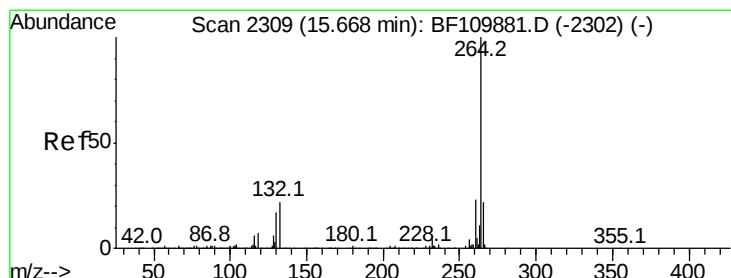
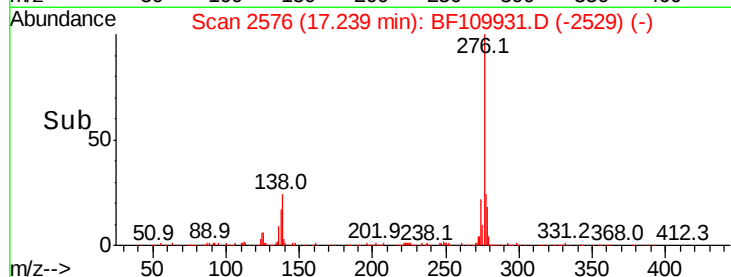
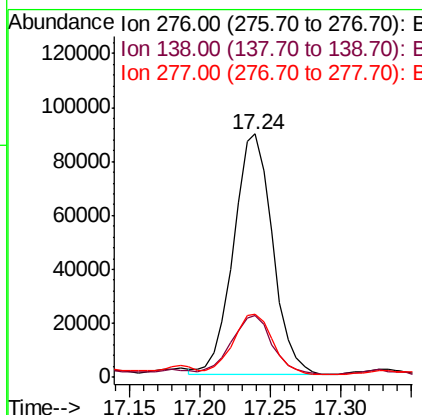
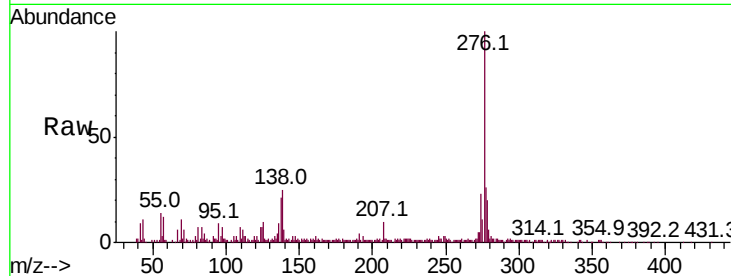
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.457 ng
RT: 17.24 min Scan# 2576
Delta R.T. -0.02 min
Lab File: BF109931.D
Acq: 17 Oct 2018 20:21

Instrument :
BNA_F
ClientSampleId :
OR-01-101618-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.0	18.5	27.7
277	25.8	20.0	30.0

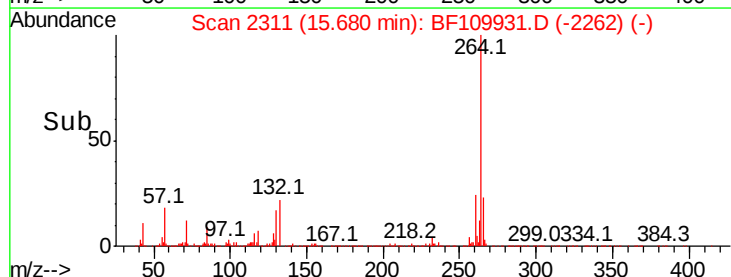
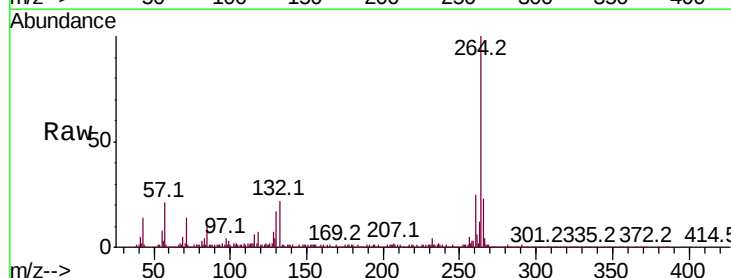
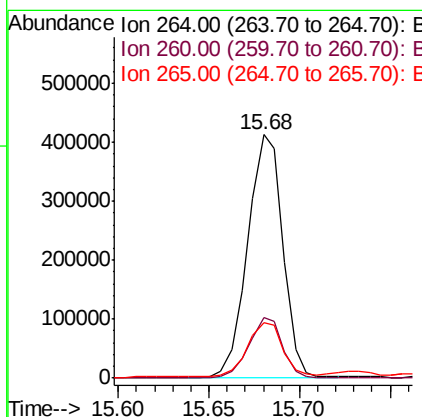
Manual Integrations
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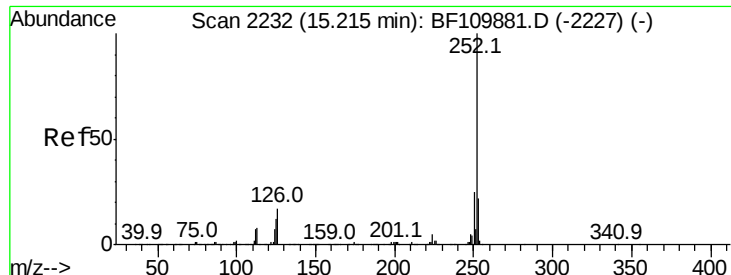
Sohil
10/18/2018 2:04:31 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2311
Delta R.T. -0.01 min
Lab File: BF109931.D
Acq: 17 Oct 2018 20:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	18.7	28.1
265	22.9	16.7	25.1





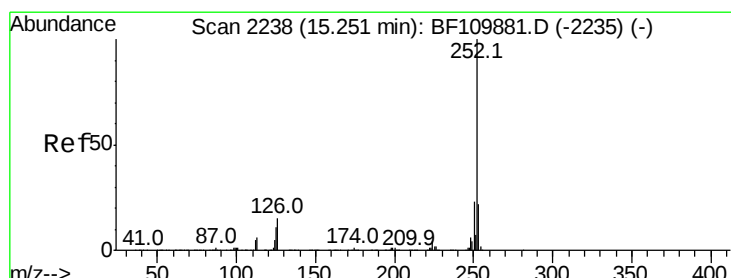
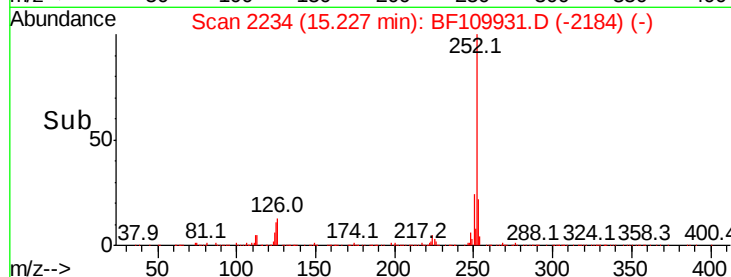
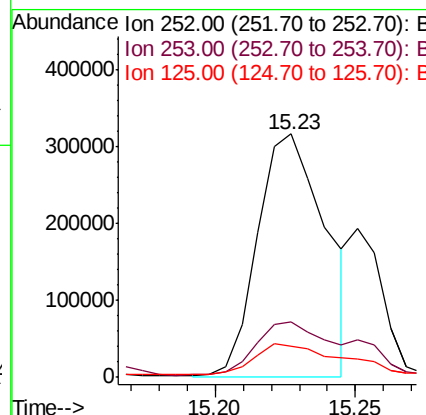
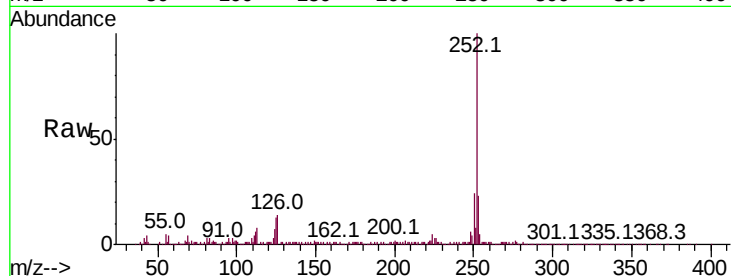
#88
Benzo(b)fluoranthene
Concen: 16.755 ng m
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF109931.D
Acq: 17 Oct 2018 20:21

Instrument :
BNA_F
ClientSampleId :
OR-01-101618-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	12.8	8.2	12.4

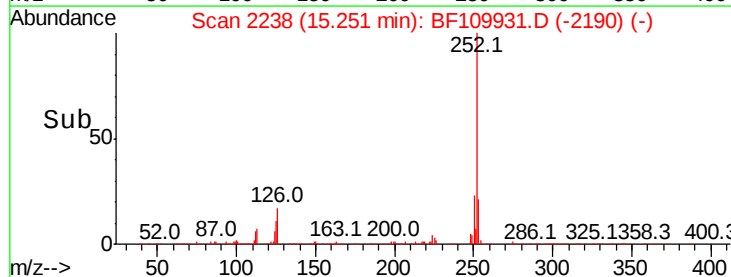
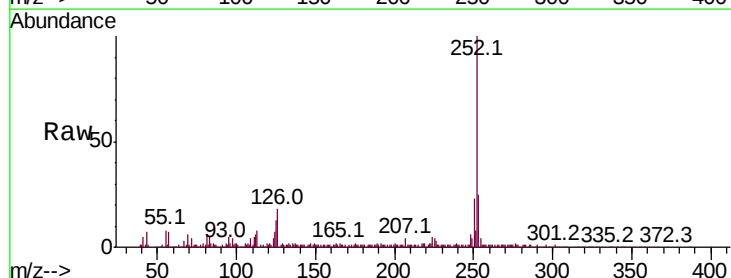
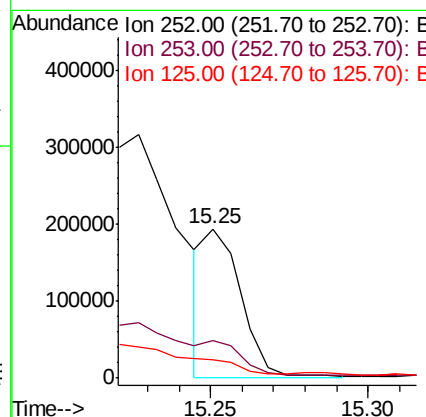
Manual Integrations
APPROVED

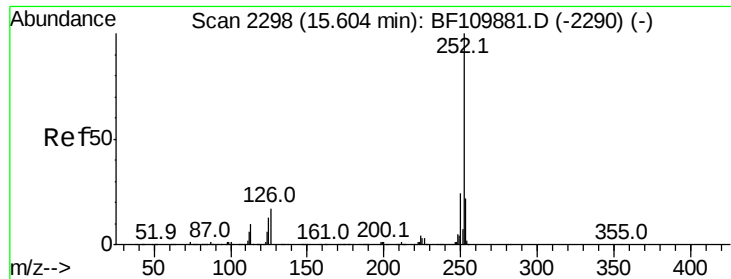
Sohil
10/18/2018 2:04:31 PM



#89
Benzo(k)fluoranthene
Concen: 5.063 ng m
RT: 15.25 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BF109931.D
Acq: 17 Oct 2018 20:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.2	25.8
125	12.6	7.4	11.0





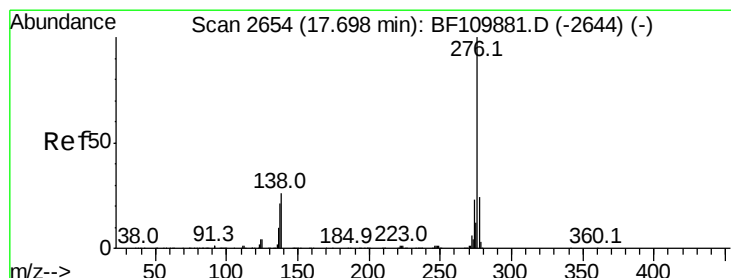
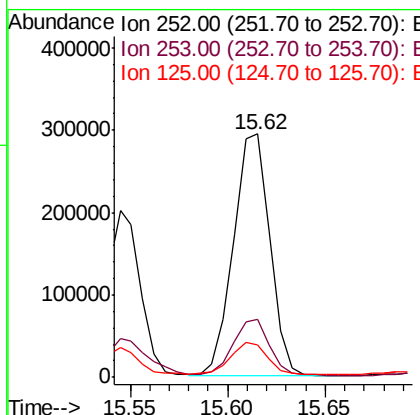
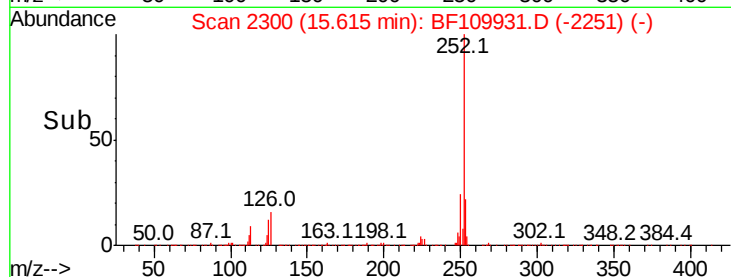
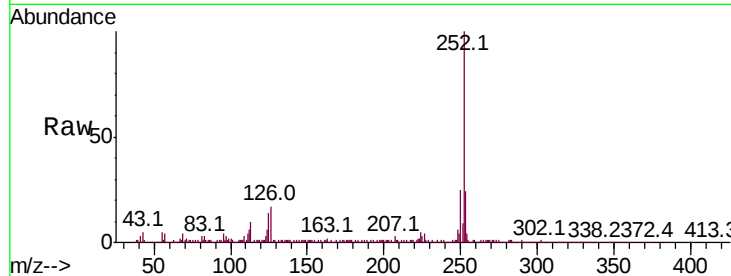
#90
Benzo(a)pyrene
Concen: 13.037 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF109931.D
Acq: 17 Oct 2018 20:21

Instrument :
BNA_F
ClientSampleId :
OR-01-101618-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.4
125	13.6	9.0	13.6

Manual Integrations
APPROVED

Sohil
10/18/2018 2:04:31 PM



#92
Benzo(g,h,i)perylene
Concen: 6.173 ng
RT: 17.71 min Scan# 2656
Delta R.T. -0.03 min
Lab File: BF109931.D
Acq: 17 Oct 2018 20:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.8	28.2
138	25.1	16.0	24.0

