

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101018\
 Data File : BF109758.D
 Acq On : 10 Oct 2018 22:37
 Operator : JU/SJ
 Sample : J5200-05 4X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-100818-A

Manual Integrations
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 10/11/2018 2:02:59 PM

Quant Time: Oct 11 07:05:51 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	83403	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	367033	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	159580	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	265592	20.00	ng	0.00
75) Chrysene-d12	13.83	240	212352	20.00	ng	0.00
86) Perylene-d12	15.23	264	188391	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	93168	19.83	ng	-0.01
7) Phenol-d6	6.35	99	142104	22.64	ng	-0.01
23) Nitrobenzene-d5	7.26	82	90553	13.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	34972	20.11	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	198376	17.12	ng	-0.01
78) Terphenyl-d14	12.78	244	147312	13.43	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.00	128	51992	3.063	ng	97
37) 2-Methylnaphthalene	8.69	142	22415	2.016	ng	99
49) Dimethylphthalate	9.45	163	27082	2.314	ng	100
51) Acenaphthene	9.75	154	39583	4.288	ng	98
54) Dibenzofuran	9.93	168	32527	2.351	ng	# 93
57) Fluorene	10.27	166	64068	6.201	ng	98
70) Phenanthrene	11.23	178	435827	32.791	ng	100
71) Anthracene	11.28	178	129917	9.456	ng	99
72) Carbazole	11.45	167	44171	3.315	ng	97
74) Fluoranthene	12.41	202	502749	36.208	ng	98
77) Pyrene	12.63	202	452779	29.102	ng	98
80) Benzo(a)anthracene	13.82	228	223382	19.062	ng	98
82) Chrysene	13.86	228	216651	17.601	ng	98
85) Indeno(1,2,3-cd)pyrene	16.58	276	67137	7.620	ng	96
87) Benzo(b)fluoranthene	14.84	252	204127m	19.607	ng	
88) Benzo(k)fluoranthene	14.86	252	92295m	8.823	ng	
89) Benzo(a)pyrene	15.17	252	160154	16.952	ng	97
90) Dibenzo(a,h)anthracene	16.58	278	18376	2.368	ng	# 85
91) Benzo(a,h,i)perylene	16.98	276	67692	8.737	ng	96

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

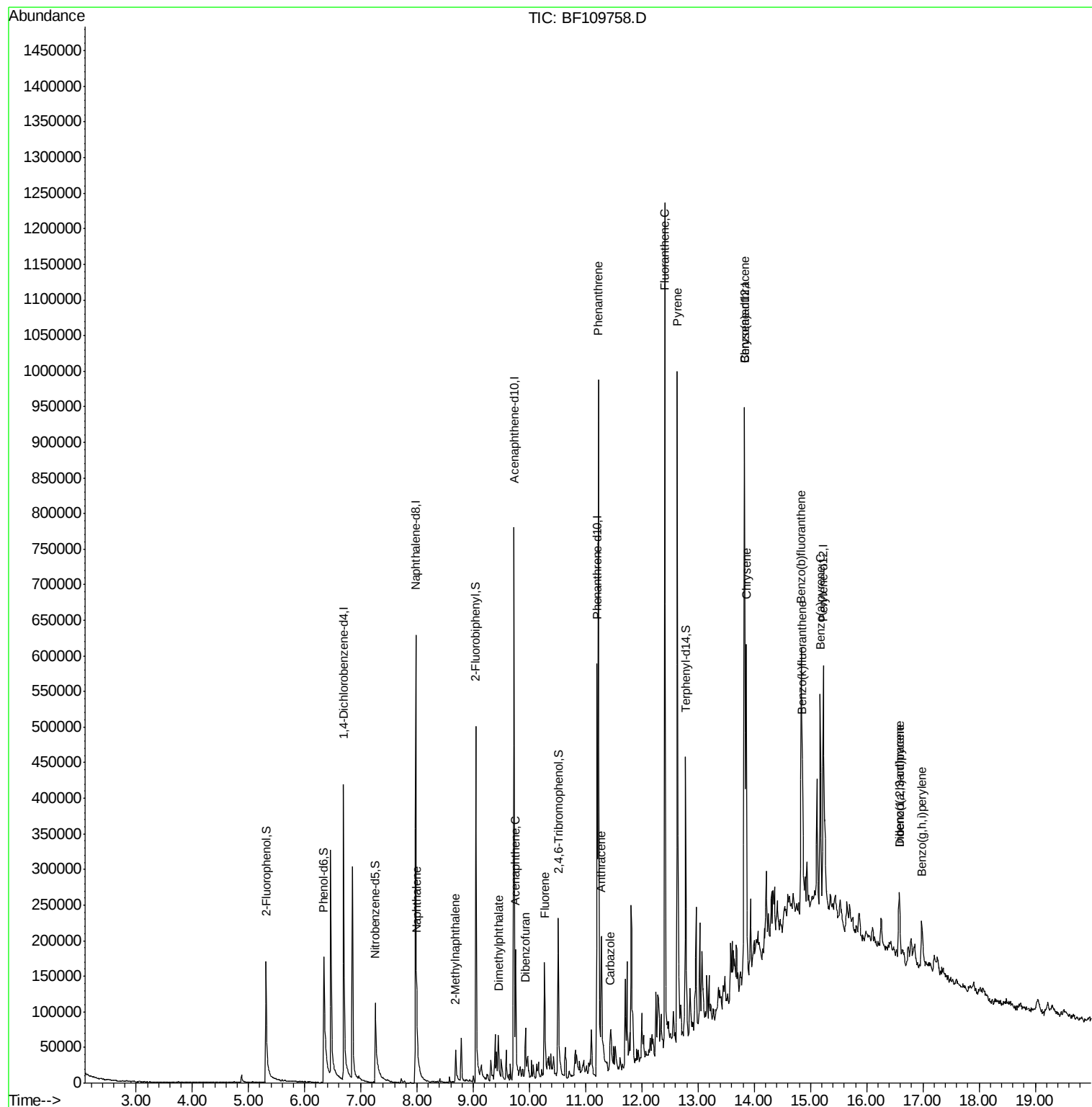
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101018\
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ALS Vial : 22 Sample Multiplier: 1

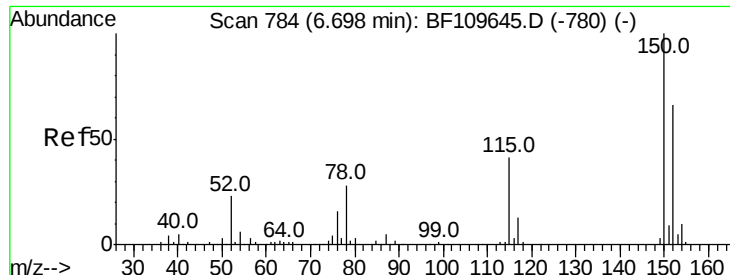
Instrument :
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OR-03-100818-A

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Quant Time: Oct 11 07:05:51 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 08 16:02:11 2018
Response via : Initial Calibration





#1

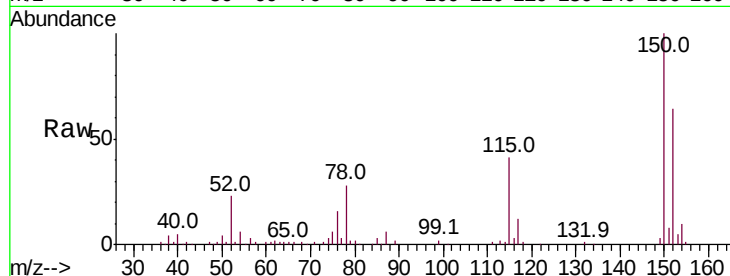
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	122.7	184.1
115	64.6	49.1	73.7

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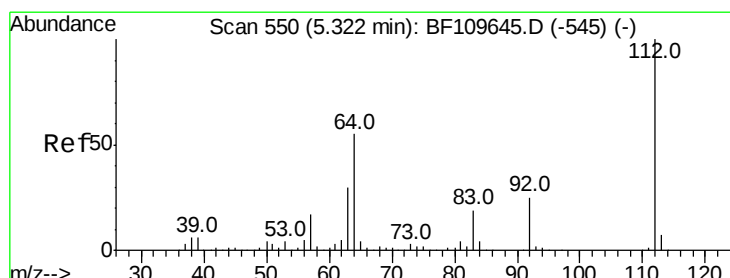
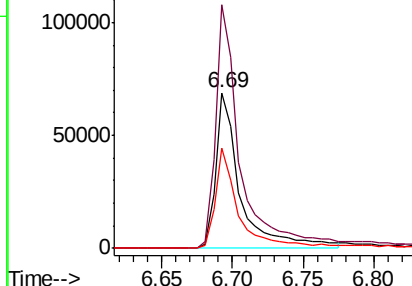
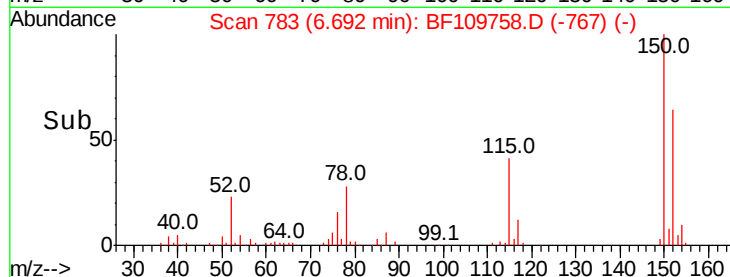


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

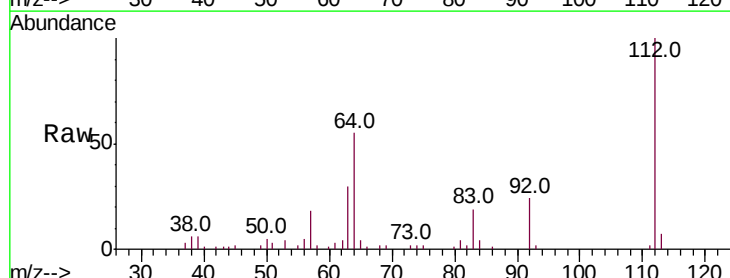
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 19.829 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	44.1	66.1
63	29.8	23.7	35.5

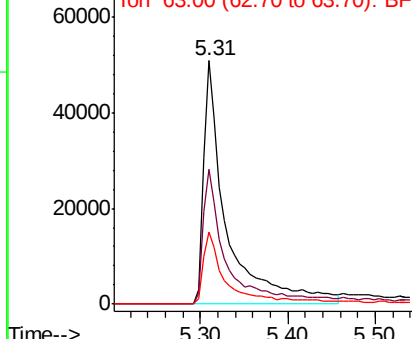
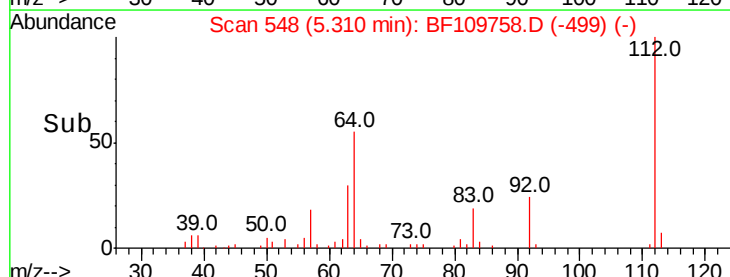


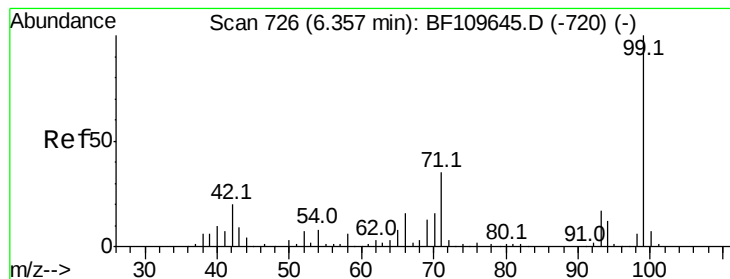
Abundance

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: 22.639 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109758.D

Acq: 10 Oct 2018 22:37

Instrument :

BNA_F

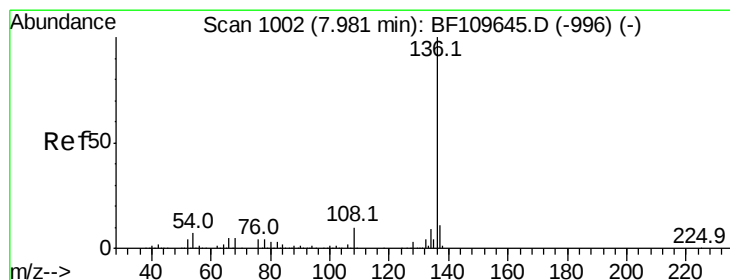
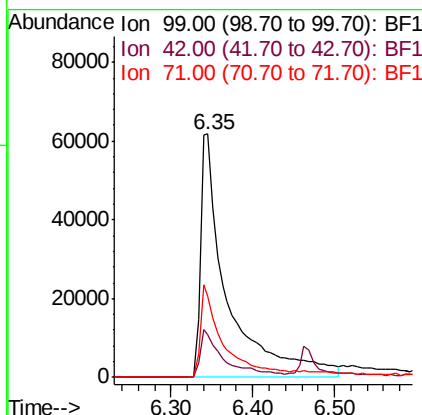
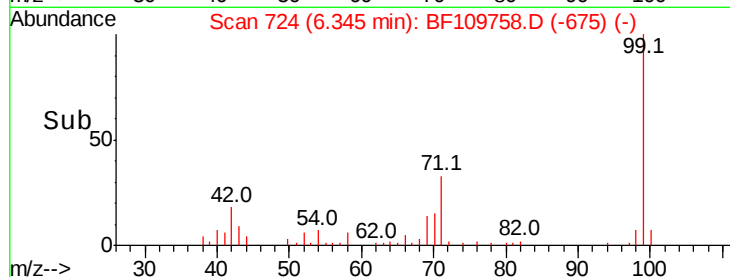
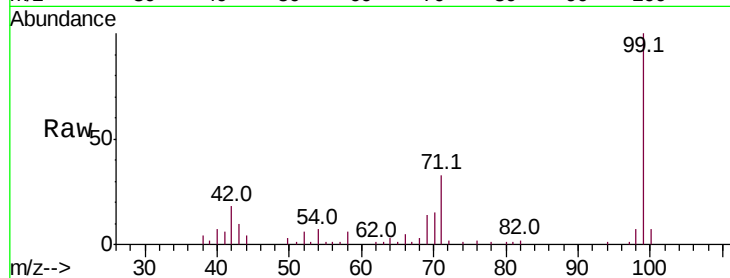
ClientSampleId :

OR-03-100818-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		142104		
42	17.7	15.8	23.6		
71	33.5	28.0	42.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

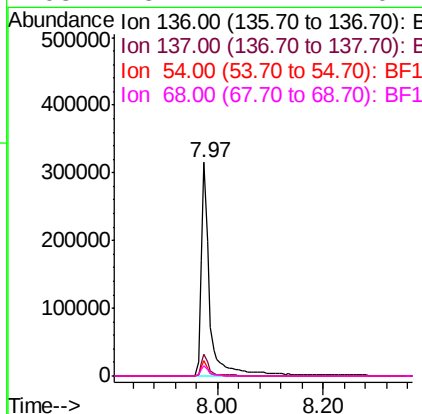
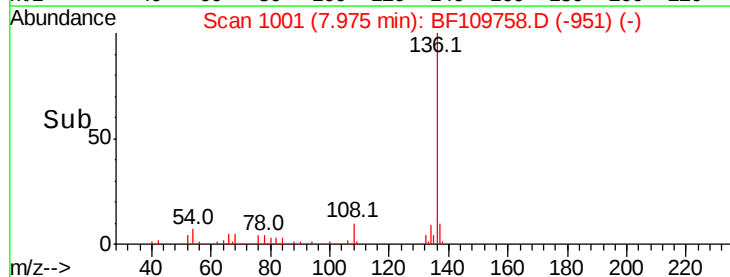
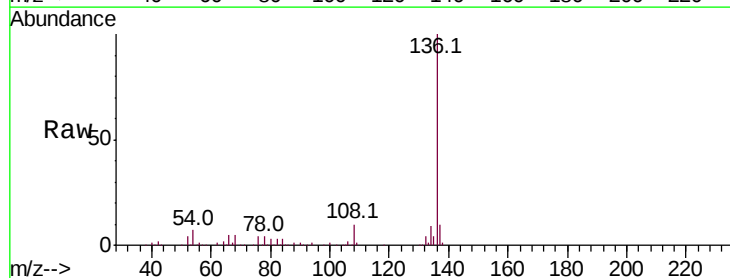
RT: 7.97 min Scan# 1001

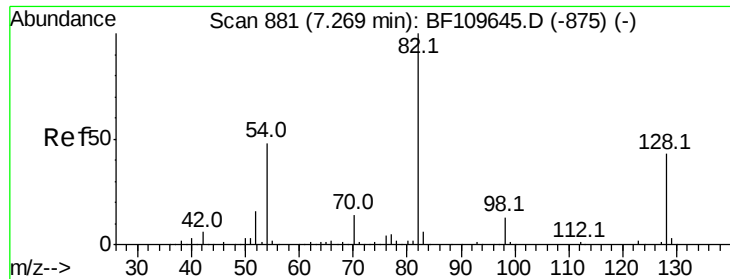
Delta R.T. -0.01 min

Lab File: BF109758.D

Acq: 10 Oct 2018 22:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		367033		
137	10.3	8.8	13.2		
54	7.1	5.4	8.2		
68	5.1	4.2	6.2		





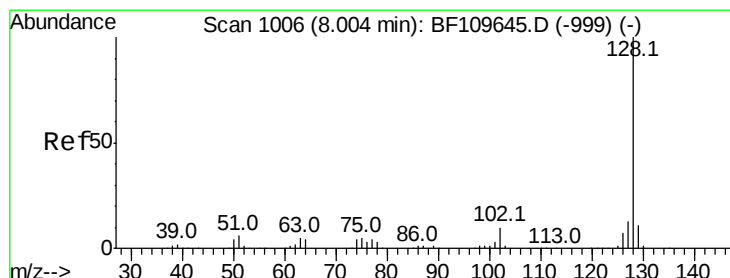
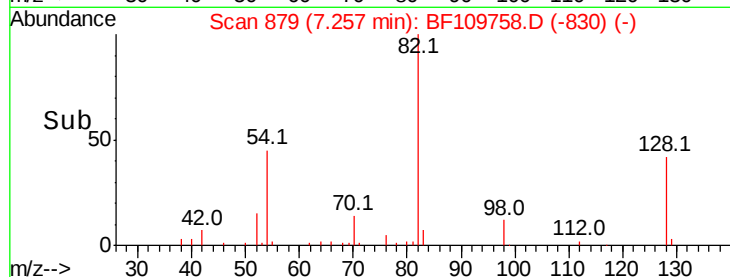
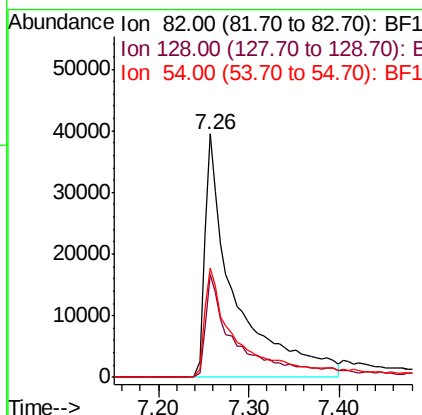
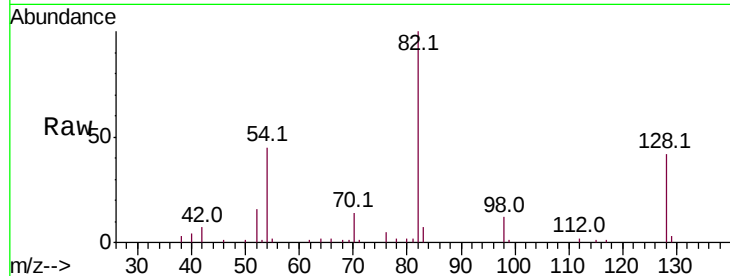
#23
Nitrobenzene-d5
Concen: 13.600 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.3	34.2	51.2
54	45.0	38.6	58.0

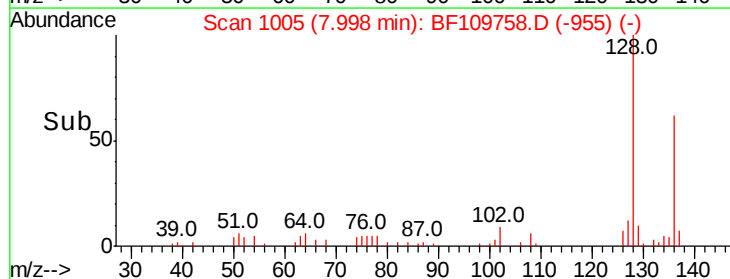
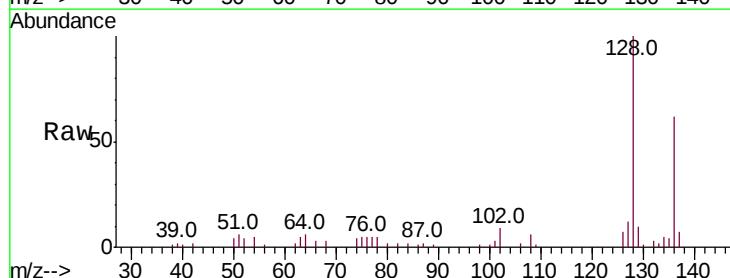
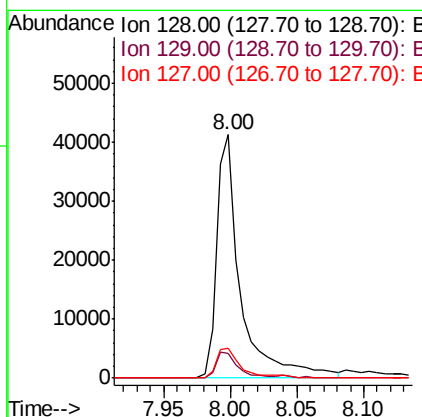
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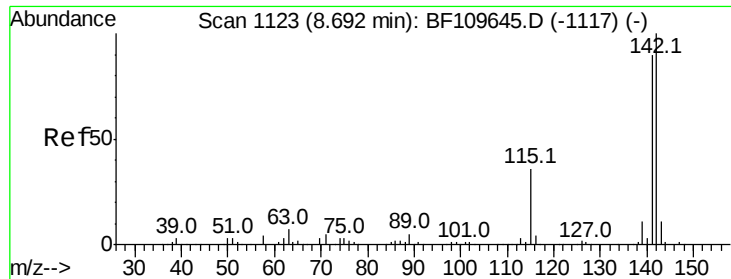
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#31
Naphthalene
Concen: 3.063 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.0	8.8	13.2
127	12.1	10.8	16.2





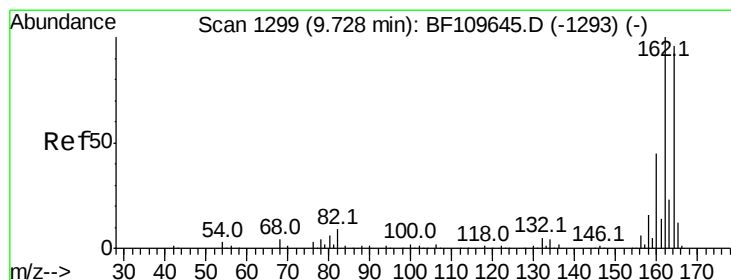
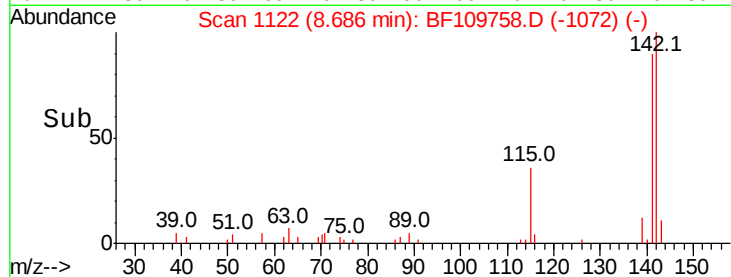
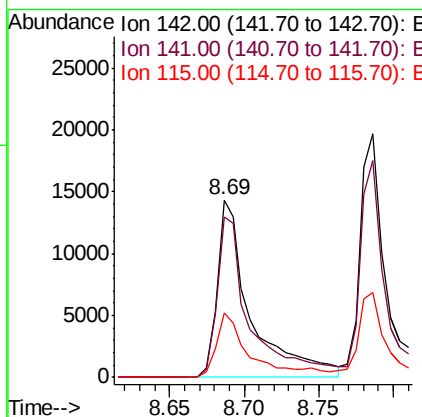
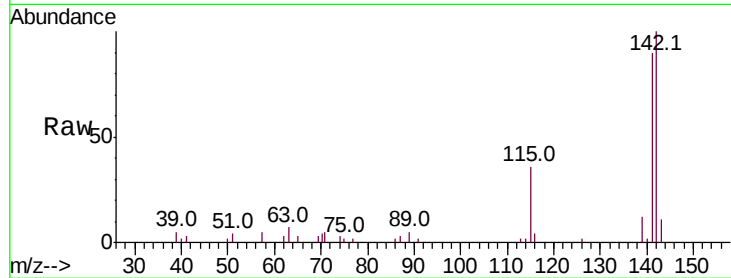
#37
 2-Methylnaphthalene
 Concen: 2.016 ng
 RT: 8.69 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: BF109758.D
 Acq: 10 Oct 2018 22:37

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-100818-A

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.4	107.2
115	36.1	28.7	43.1

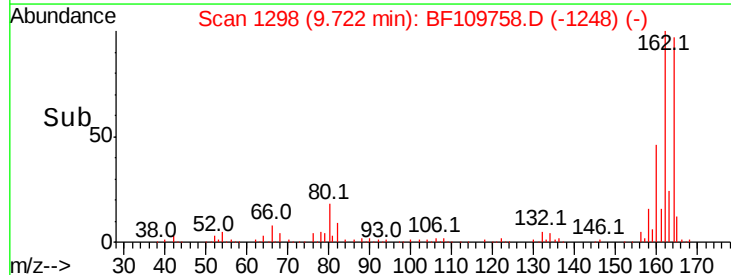
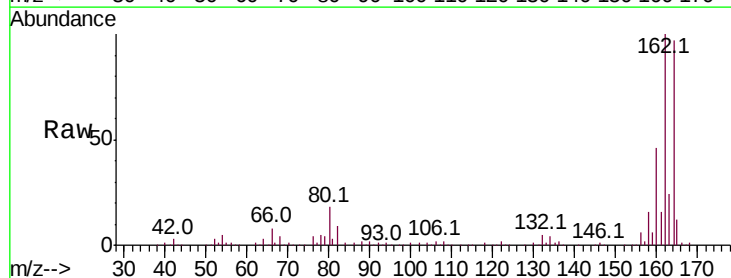
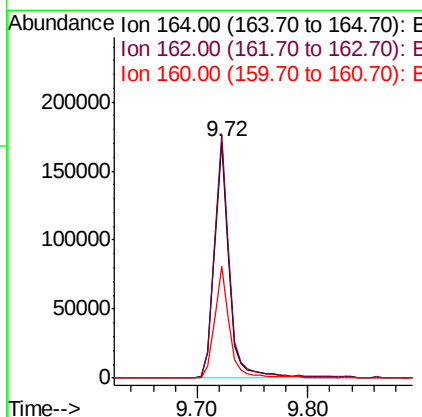
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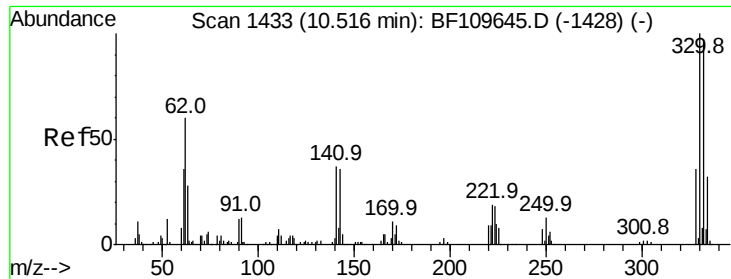
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: BF109758.D
 Acq: 10 Oct 2018 22:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	83.0	124.6
160	47.2	37.0	55.6





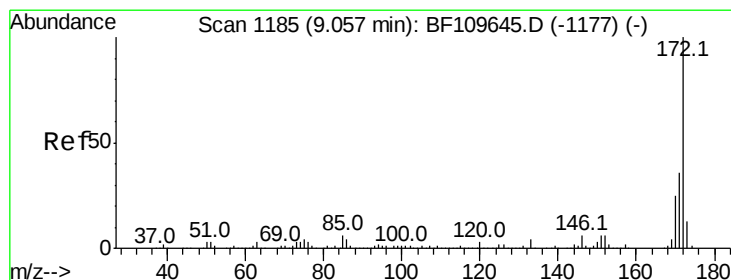
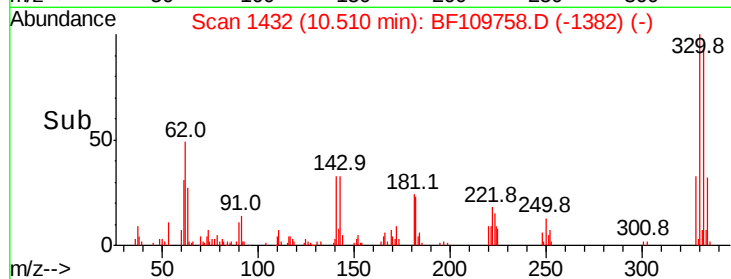
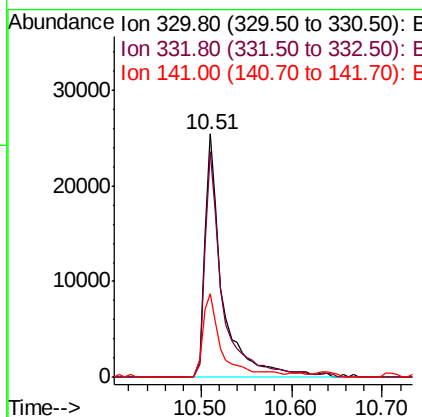
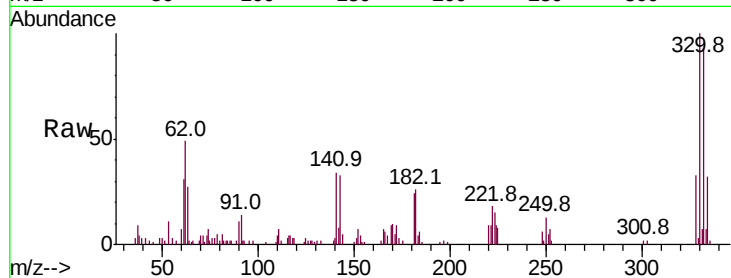
#41
 2,4,6-Tribromophenol
 Concen: 20.113 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109758.D
 Acq: 10 Oct 2018 22:37

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-100818-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.8	77.1	115.7
141	37.5	27.0	40.4

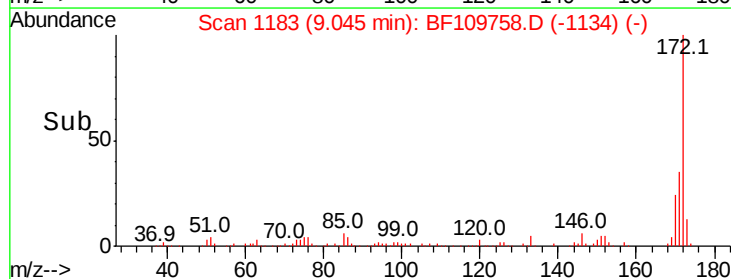
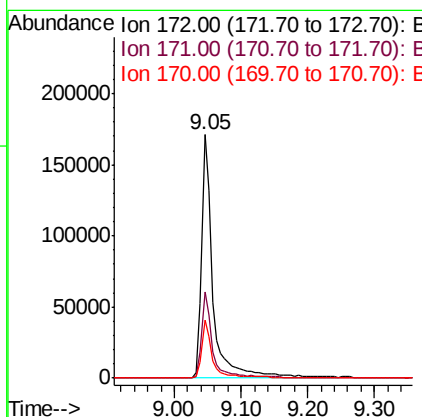
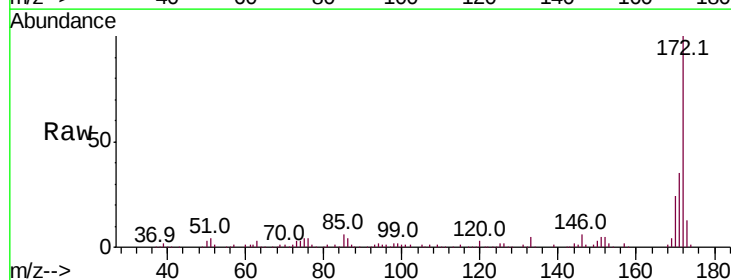
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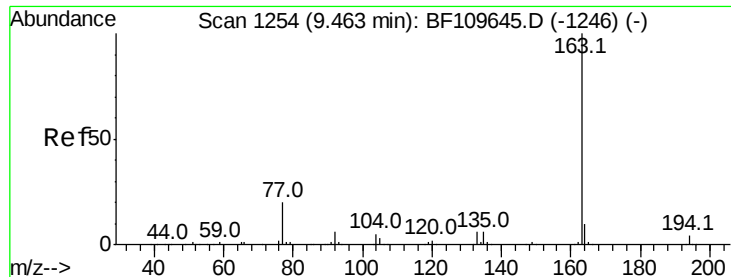
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#44
 2-Fluorobiphenyl
 Concen: 17.121 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: BF109758.D
 Acq: 10 Oct 2018 22:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	23.8	19.7	29.5





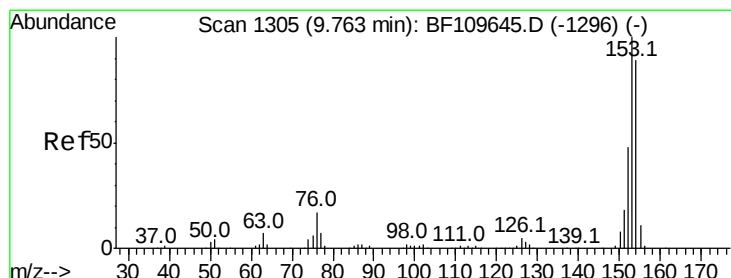
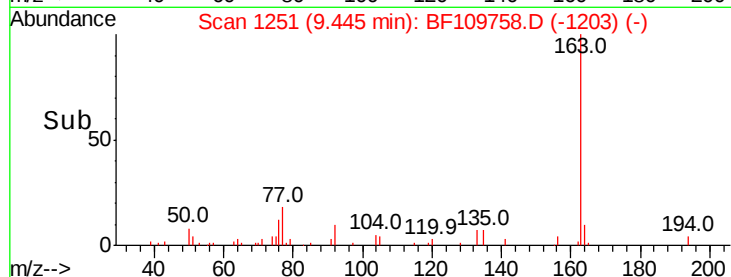
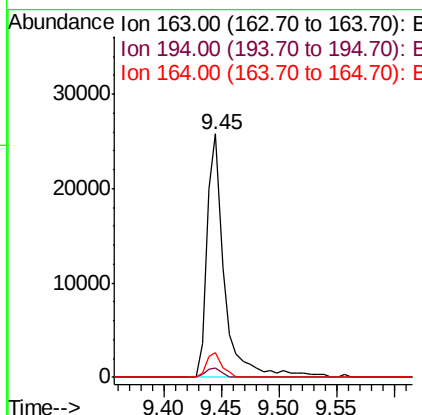
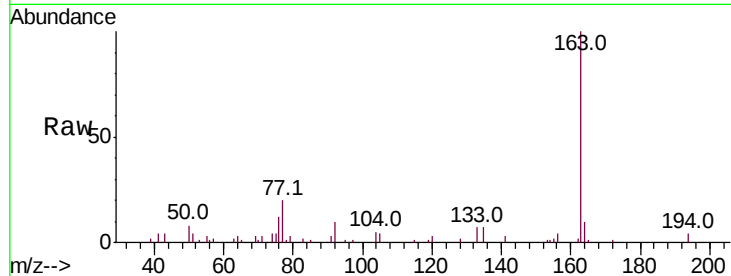
#49
Dimethylphthalate
Concen: 2.314 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.0	8.1	12.1

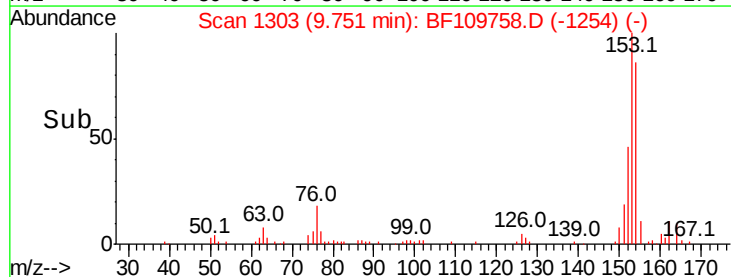
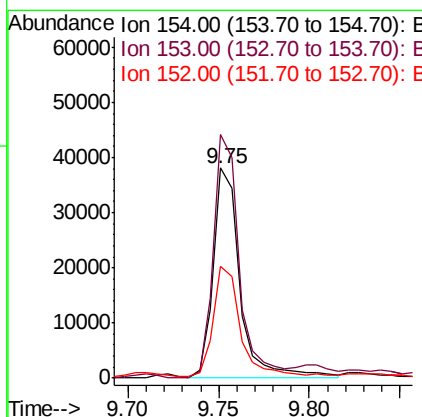
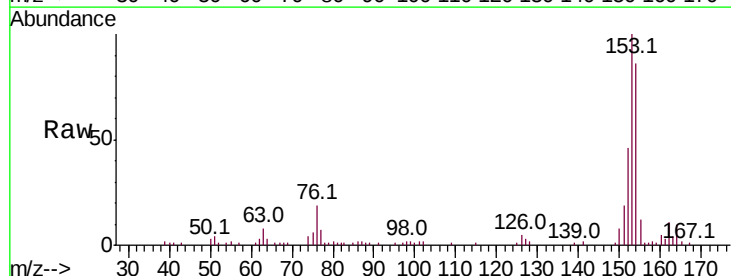
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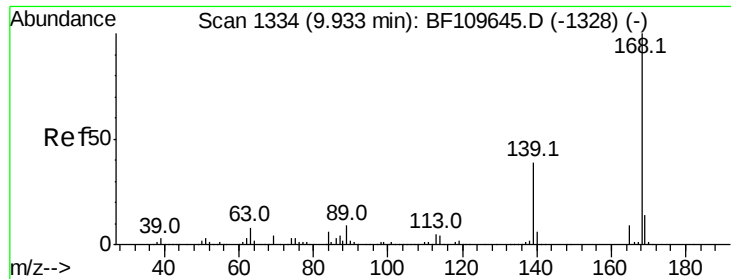
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#51
Acenaphthene
Concen: 4.288 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.8	90.1	135.1
152	53.3	43.4	65.2





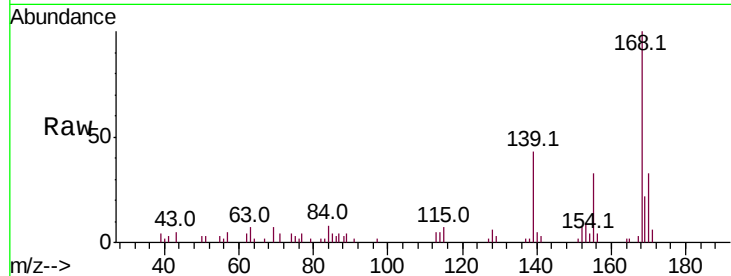
#54
Dibenzofuran
Concen: 2.351 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Tot Ion	Ratio	Lower	Upper
168	100		
139	43.2	33.0	49.6
169	21.6	11.3	16.9

Manual Integrations
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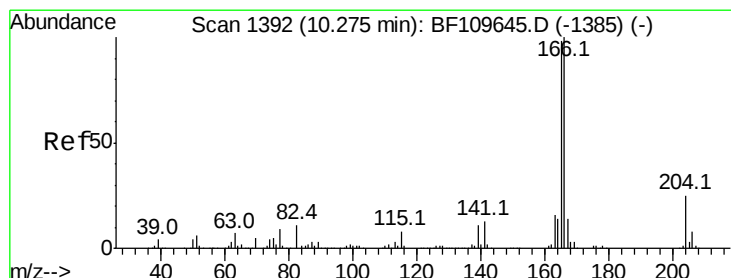
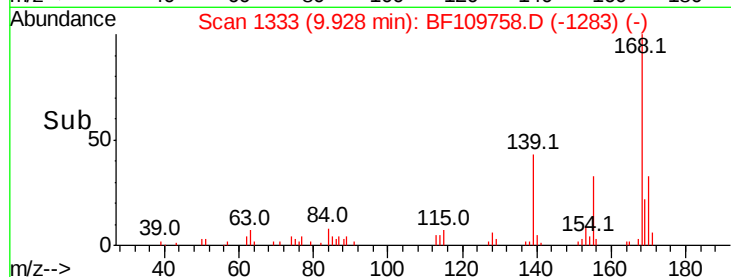
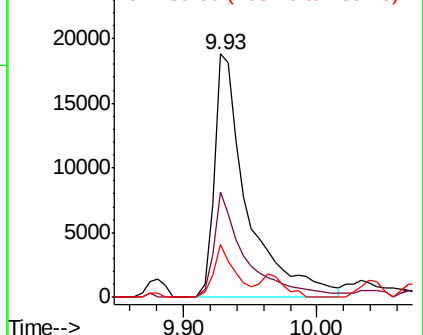


Abundance

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



#57
Fluorene
Concen: 6.201 ng
RT: 10.27 min Scan# 1391
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

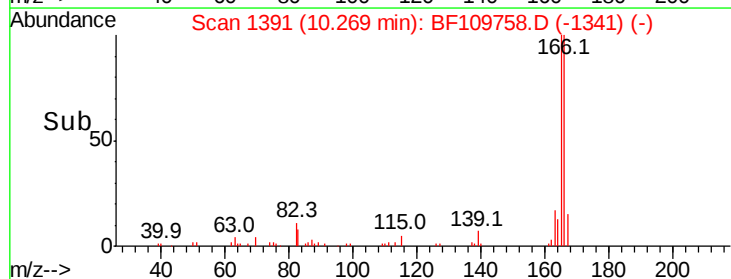
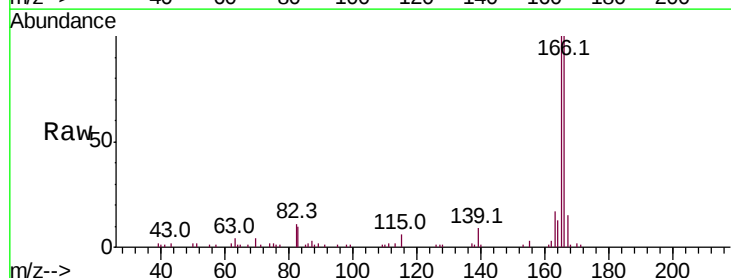
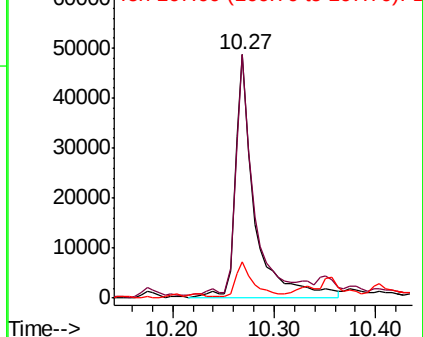
Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.1	78.6	117.8
167	14.7	10.8	16.2

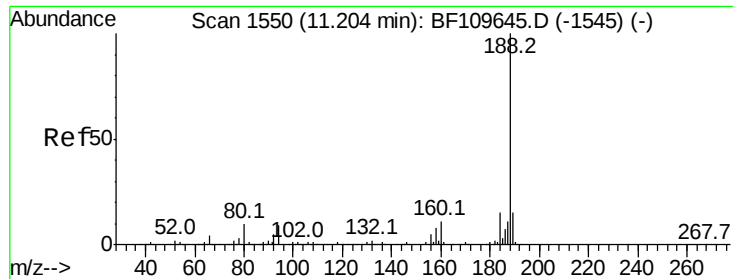
Abundance

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





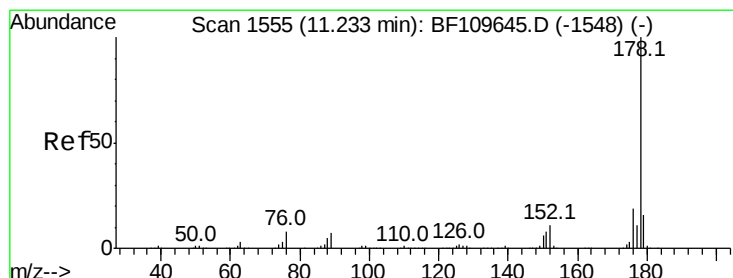
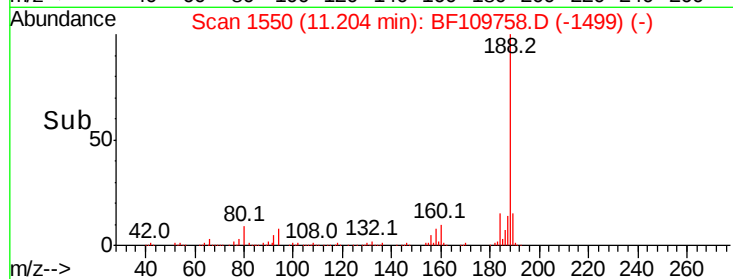
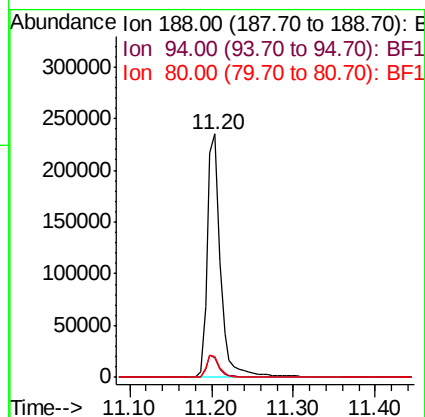
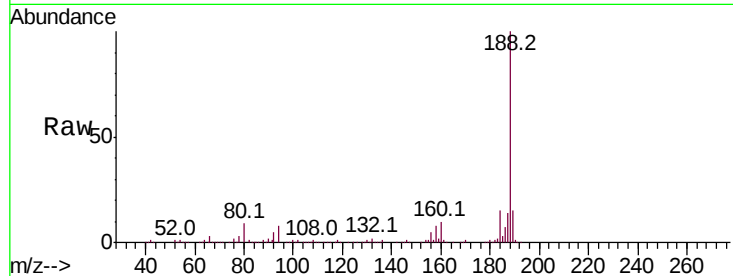
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1550
Delta R.T. 0.00 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Tot Ion	188	Resp	265592
Ion Ratio	Lower	Upper	
188	100		
94	8.1	7.2	10.8
80	8.7	7.9	11.9

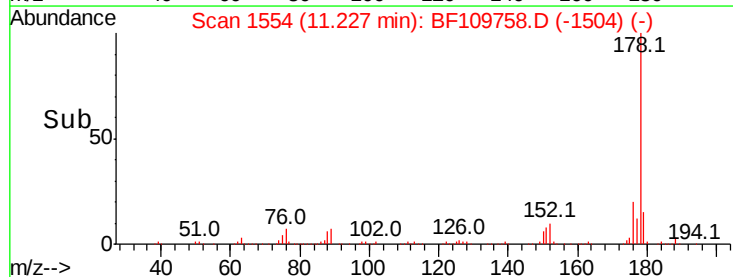
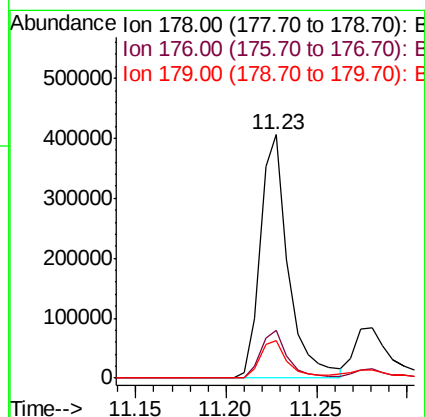
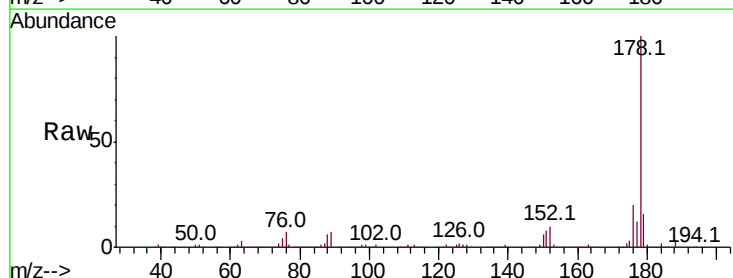
Manual Integrations
APPROVED

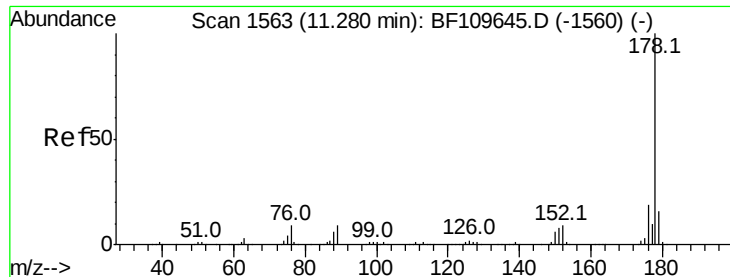
Sohil
10/11/2018 2:02:59 PM



#70
Phenanthrene
Concen: 32.791 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Tgt Ion	178	Resp	435827
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.5	23.3
179	15.6	12.5	18.7





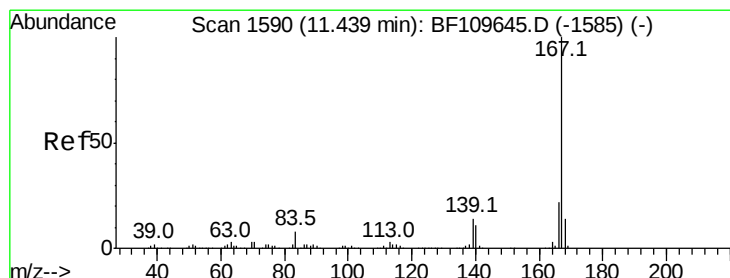
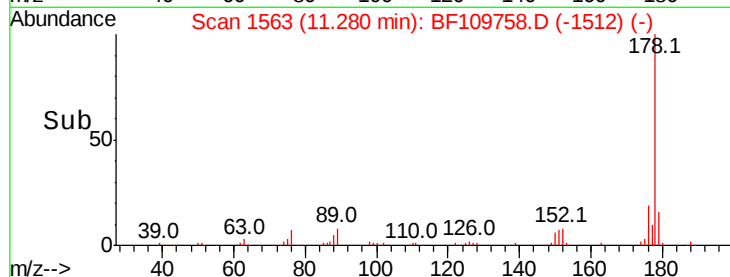
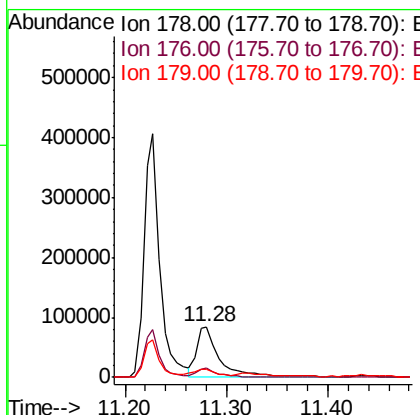
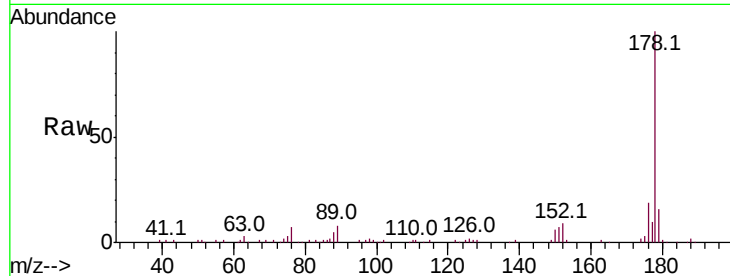
#71
 Anthracene
 Concen: 9.456 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: BF109758.D
 Acq: 10 Oct 2018 22:37

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-100818-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	16.1	12.6	18.8

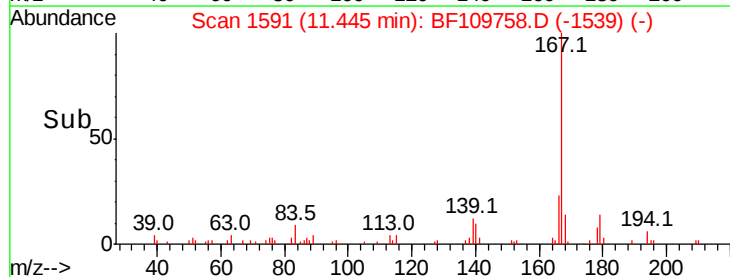
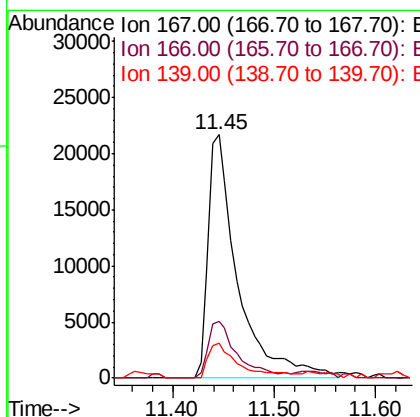
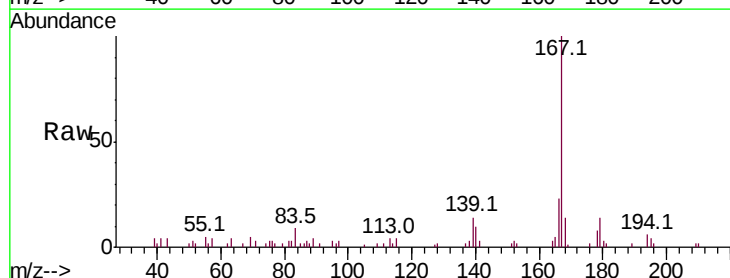
Manual Integrations
 APPROVED

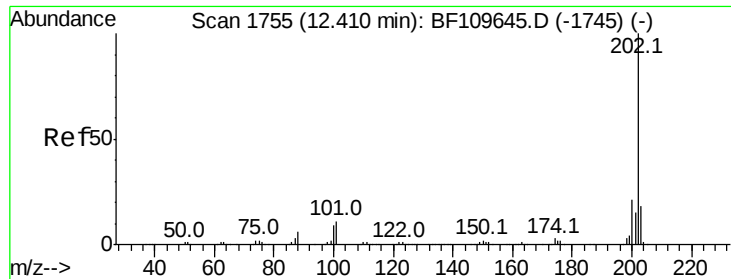
Sohil
 10/11/2018 2:02:59 PM



#72
 Carbazole
 Concen: 3.315 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. 0.01 min
 Lab File: BF109758.D
 Acq: 10 Oct 2018 22:37

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.3	17.4	26.0
139	14.2	10.9	16.3





#74

Fluoranthene

Concen: 36.208 ng

RT: 12.41 min Scan# 1755

Delta R.T. 0.00 min

Lab File: BF109758.D

Acq: 10 Oct 2018 22:37

Instrument :

BNA_F

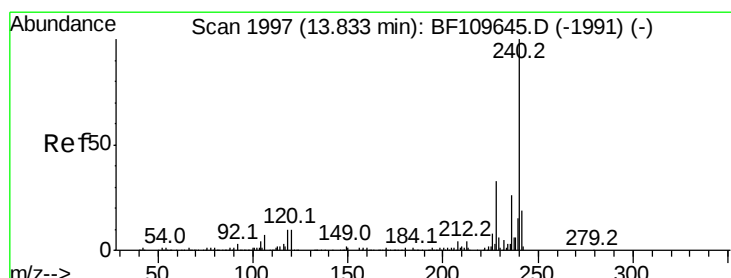
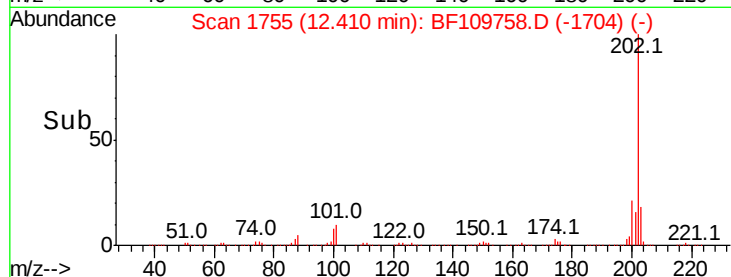
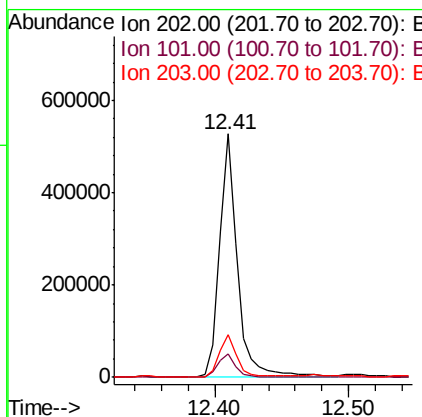
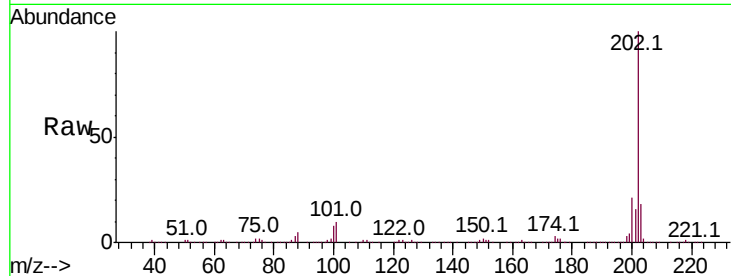
ClientSampleId :

OR-03-100818-A

Tot Ion	Ratio	Resp	Lower	Upper
202	100	502749		
101	9.8	0.0	31.4	
203	17.6	0.0	37.7	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

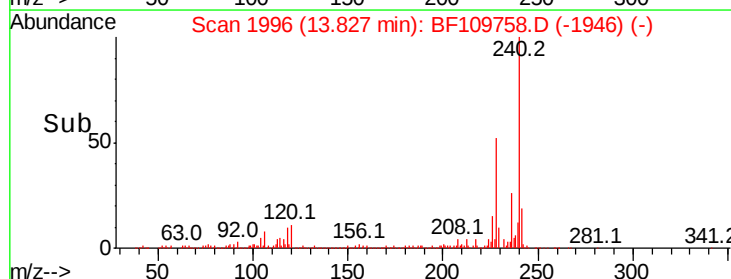
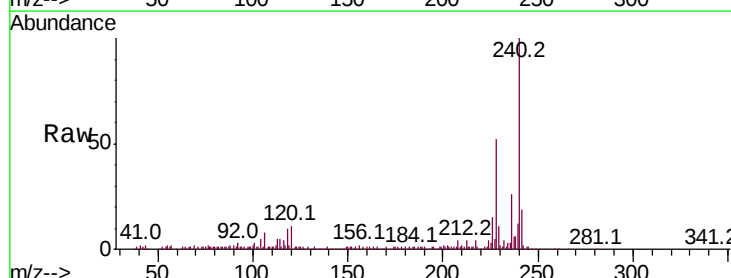
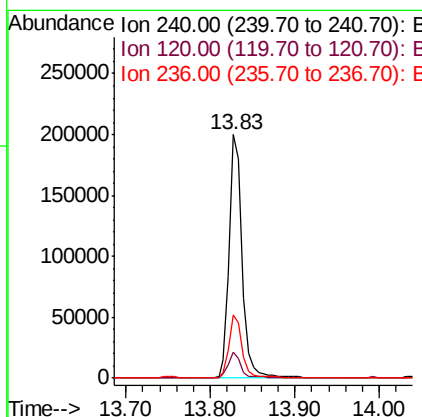
RT: 13.83 min Scan# 1996

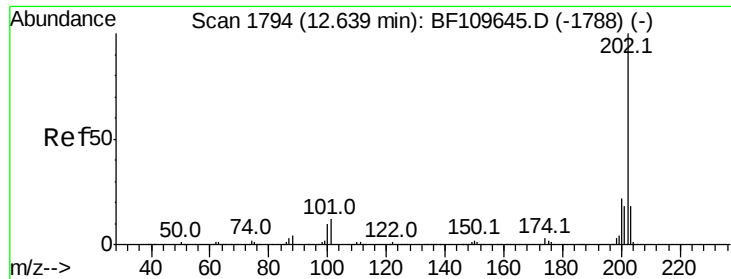
Delta R.T. -0.01 min

Lab File: BF109758.D

Acq: 10 Oct 2018 22:37

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	212352		
120	10.8	8.3	12.5	
236	25.8	21.2	31.8	





#77

Pvrene

Concen: 29.102 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF109758.D

Acq: 10 Oct 2018 22:37

Instrument :

BNA_F

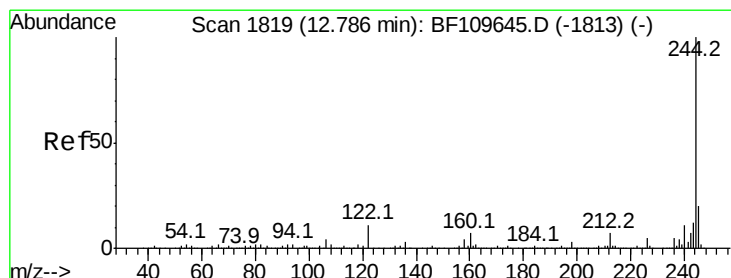
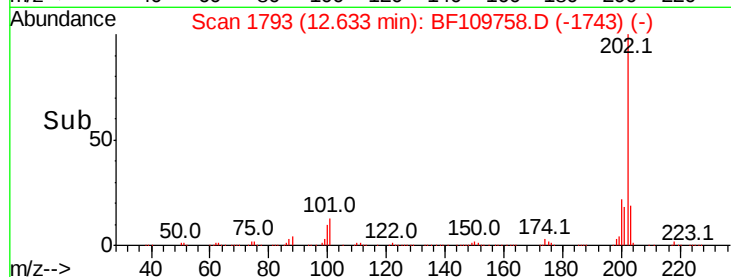
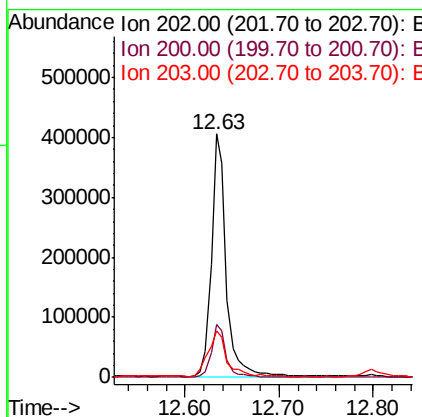
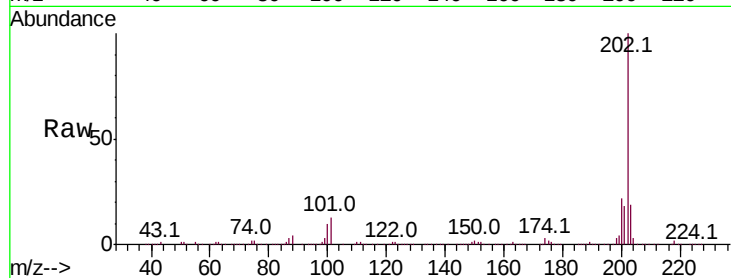
ClientSampleId :

OR-03-100818-A

Tot Ion:	202	Resp:	452779
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.8	26.6
203	19.3	14.2	21.4

Manual Integrations
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#78

Terphenyl-d14

Concen: 13.429 ng

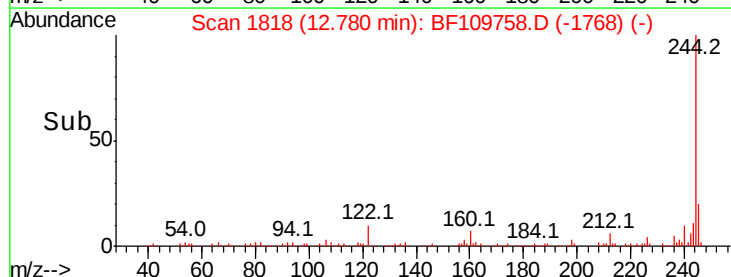
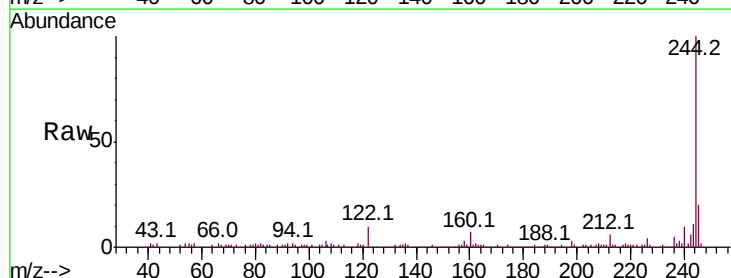
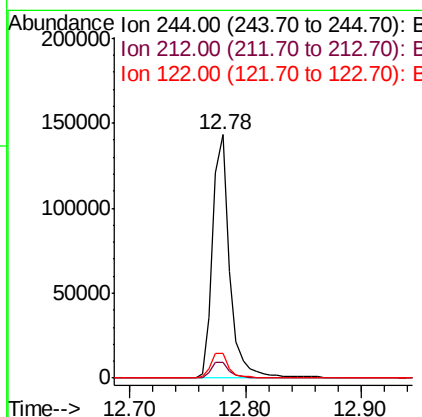
RT: 12.78 min Scan# 1818

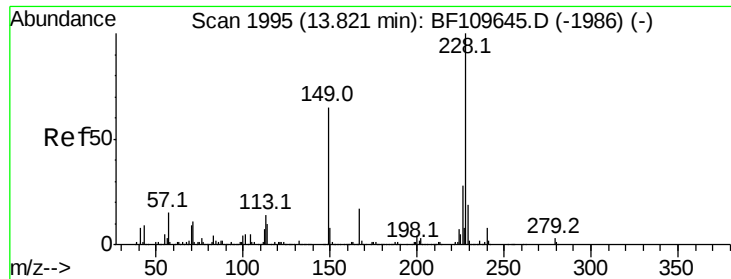
Delta R.T. -0.01 min

Lab File: BF109758.D

Acq: 10 Oct 2018 22:37

Tgt Ion:	244	Resp:	147312
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.8	8.8
122	10.0	8.7	13.1





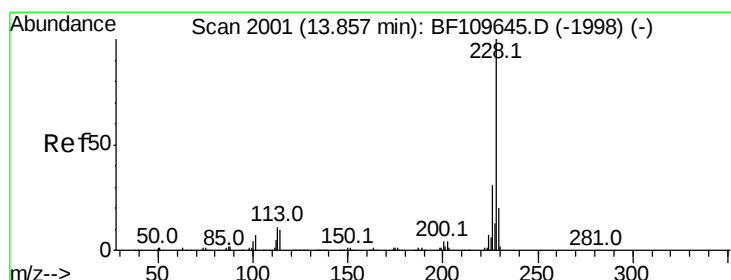
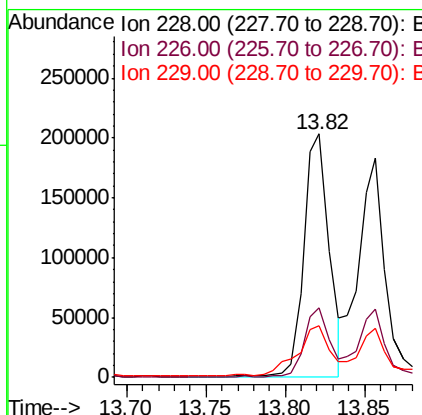
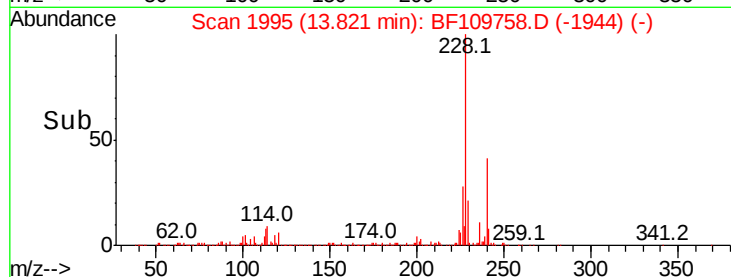
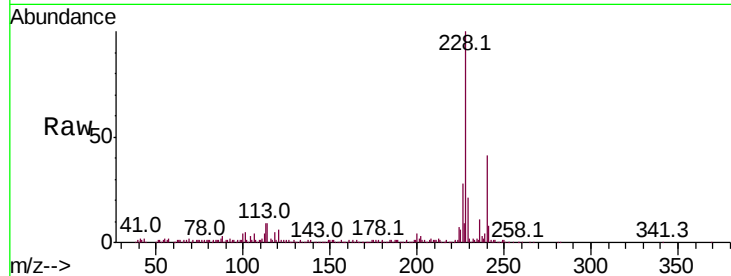
#80
Benzo(a)anthracene
Concen: 19.062 ng
RT: 13.82 min Scan# 1995
Delta R.T. 0.00 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.1	33.1
229	21.0	15.6	23.4

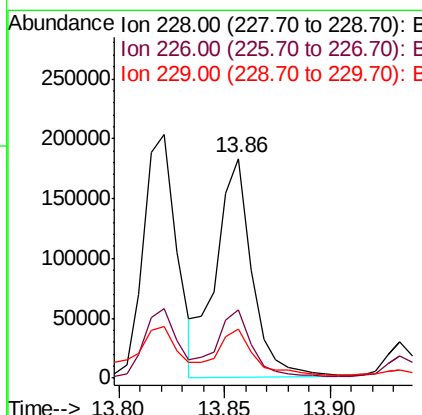
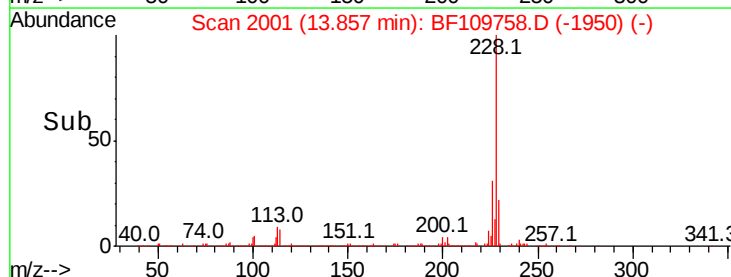
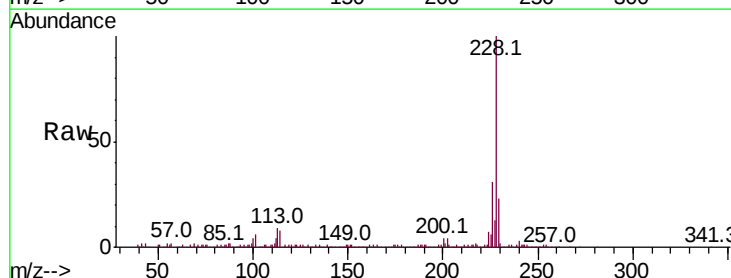
Manual Integrations
APPROVED

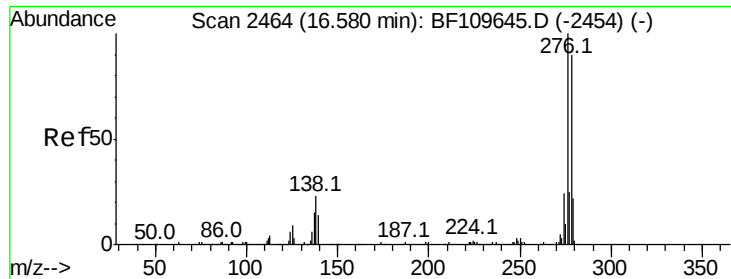
Sohil
10/11/2018 2:02:59 PM



#82
Chrysene
Concen: 17.601 ng
RT: 13.86 min Scan# 2001
Delta R.T. 0.00 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.7	37.1
229	22.6	15.9	23.9





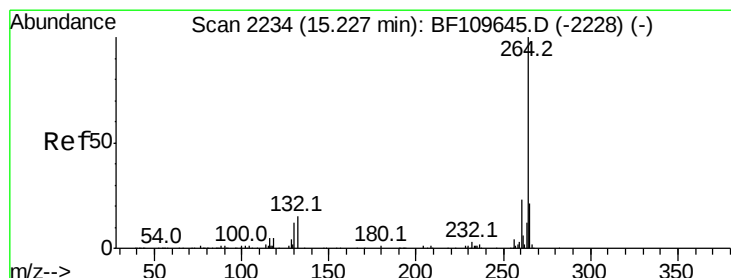
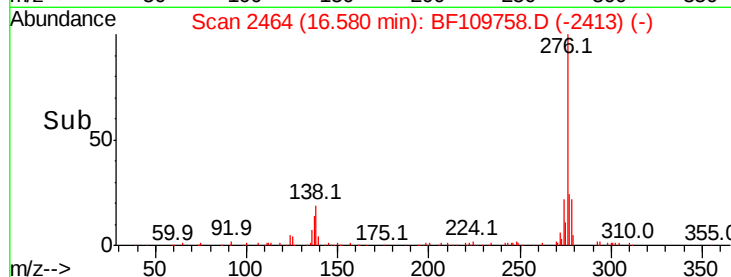
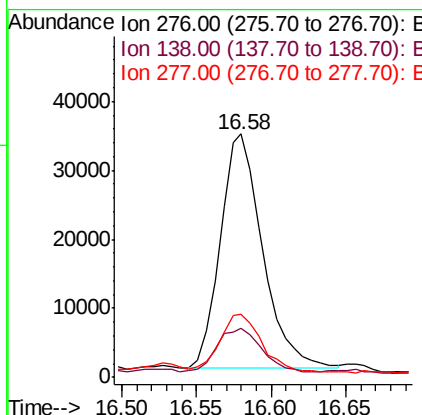
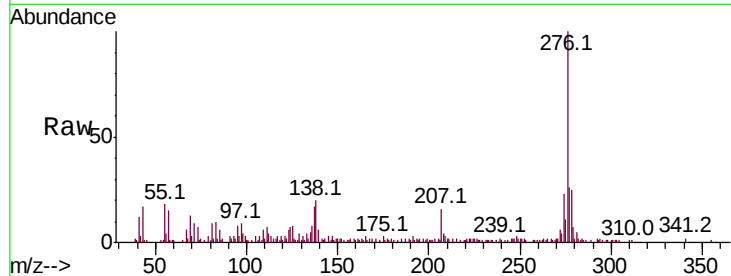
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.620 ng
 RT: 16.58 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: BF109758.D
 Acq: 10 Oct 2018 22:37

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-100818-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.7	18.5	27.7
277	25.2	20.0	30.0

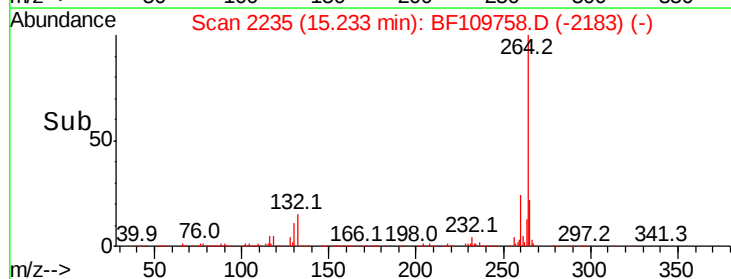
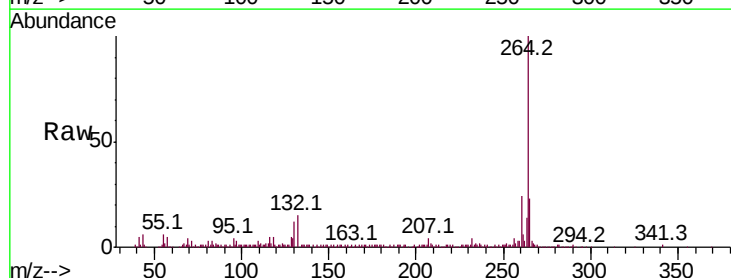
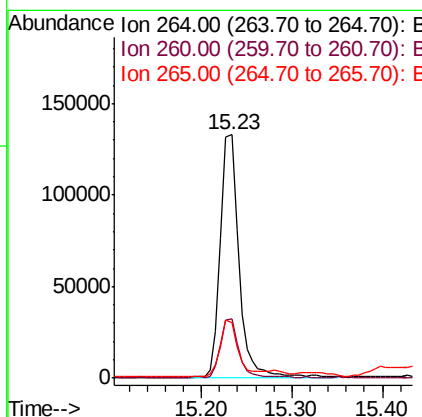
Manual Integrations
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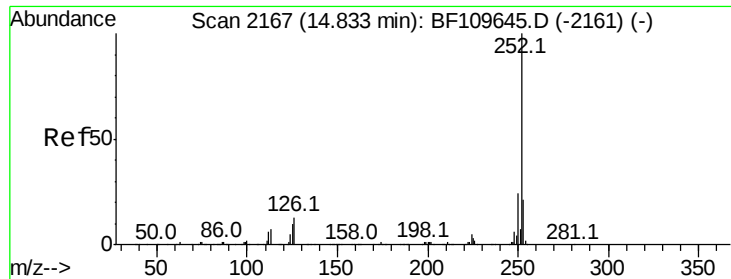
Sohil
 10/11/2018 2:02:59 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2235
 Delta R.T. 0.01 min
 Lab File: BF109758.D
 Acq: 10 Oct 2018 22:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	22.8	16.7	25.1





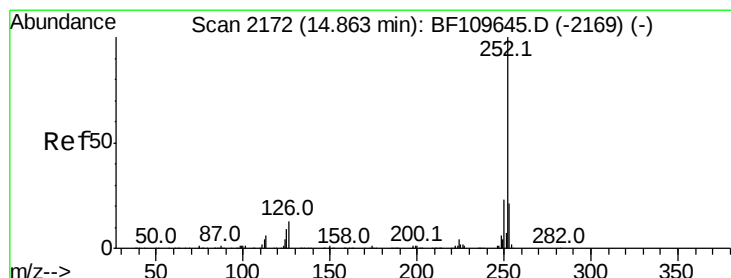
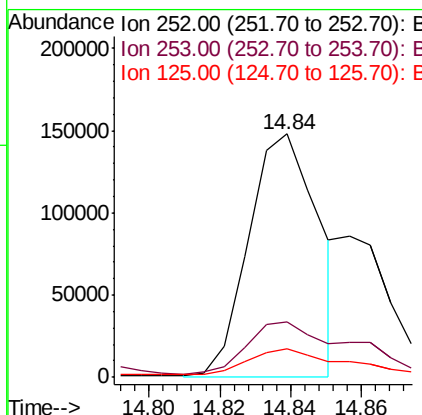
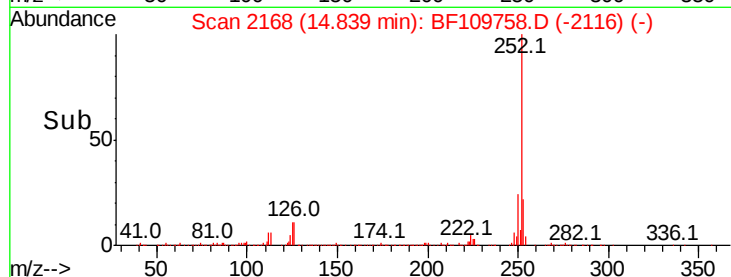
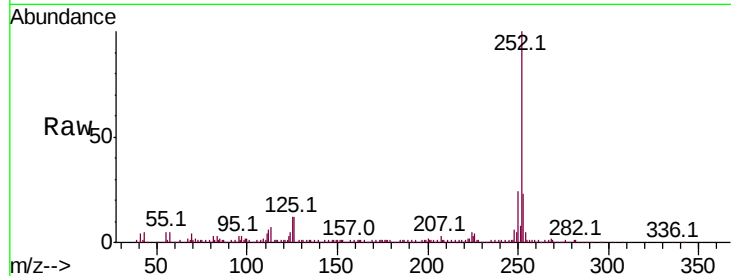
#87
Benzo(b)fluoranthene
Concen: 19.607 ng m
RT: 14.84 min Scan# 2168
Delta R.T. 0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	11.6	8.2	12.4

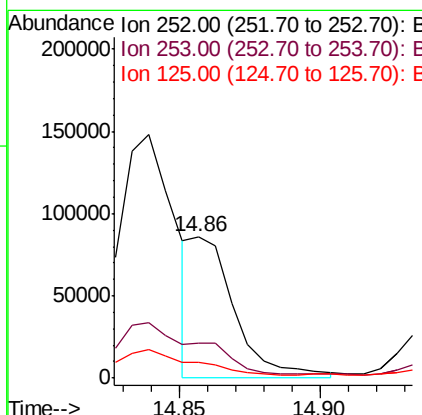
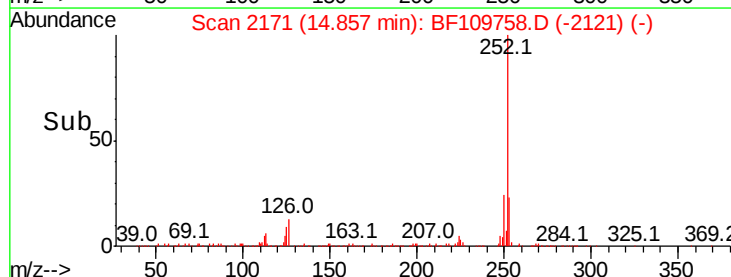
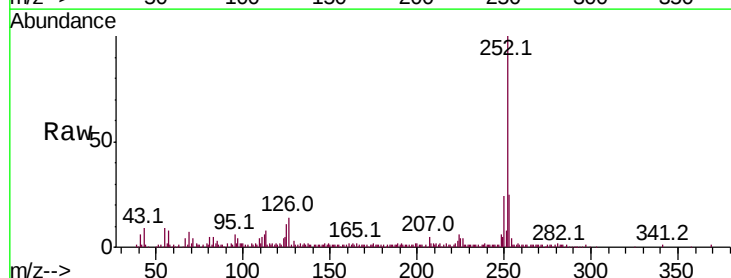
Manual Integrations
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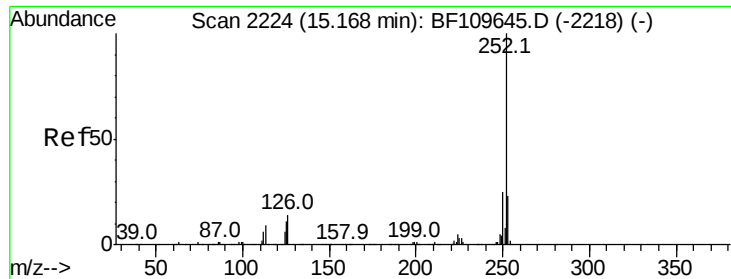
Sohil
10/11/2018 2:02:59 PM



#88
Benzo(k)fluoranthene
Concen: 8.823 ng m
RT: 14.86 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.2	25.8
125	11.2	7.4	11.0





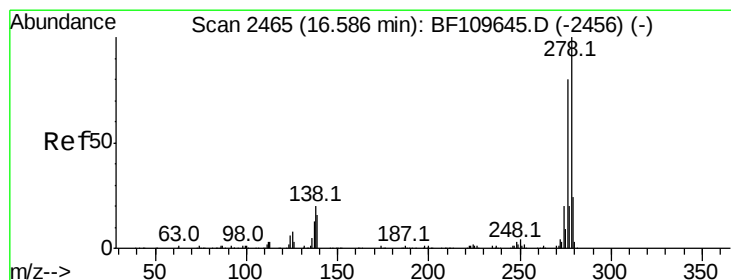
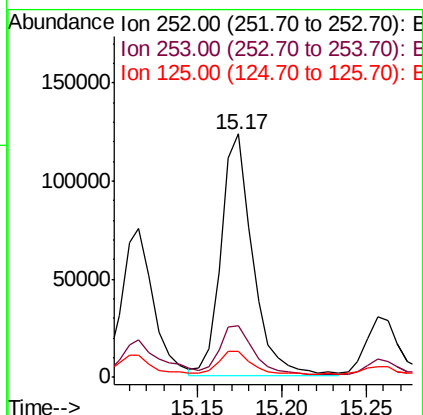
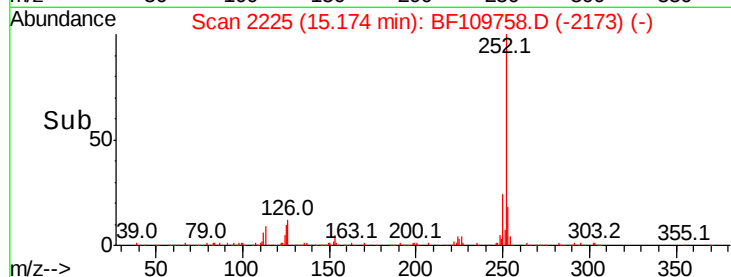
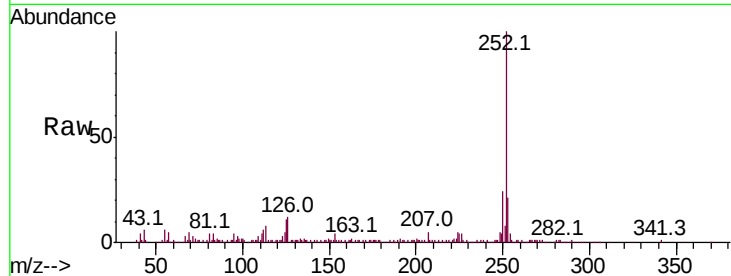
#89
Benzo(a)pyrene
Concen: 16.952 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.2	27.4
125	10.6	9.0	13.6

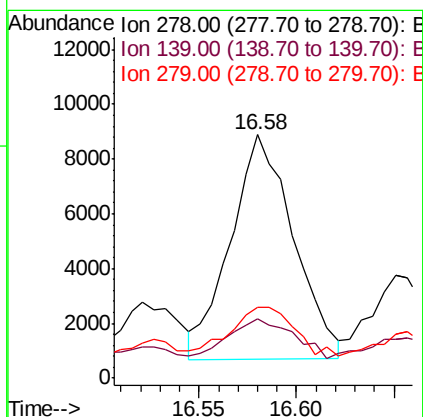
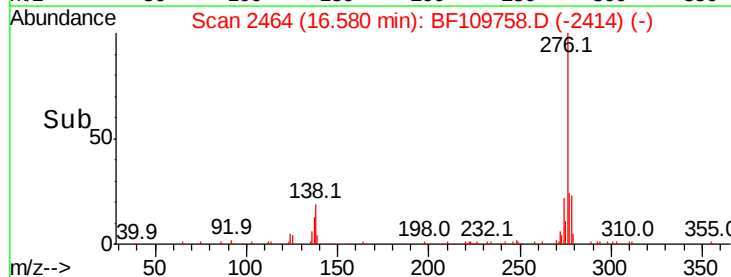
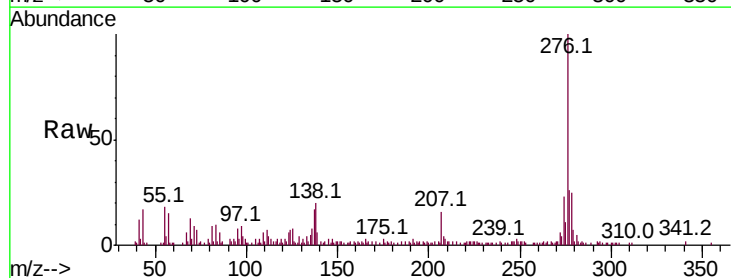
Manual Integrations
APPROVED

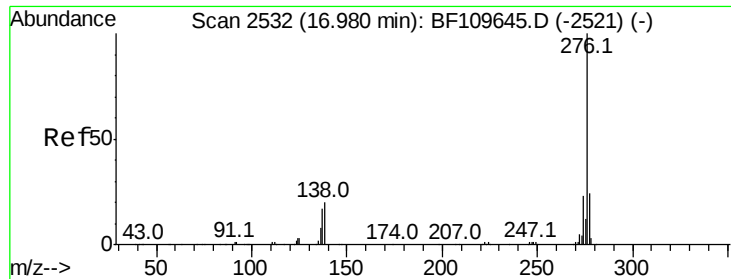
Sohil
10/11/2018 2:02:59 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.368 ng
RT: 16.58 min Scan# 2464
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.3	12.7	19.1#
279	29.2	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 8.737 ng
 RT: 16.98 min Scan# 2532
 Delta R.T. 0.00 min
 Lab File: BF109758.D
 Acq: 10 Oct 2018 22:37

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-100818-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.8	28.2
138	21.3	16.0	24.0

Manual Integrations
 APPROVED

Sohil
 10/11/2018 2:02:59 PM

