

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100518\
 Data File : BF109623.D
 Acq On : 5 Oct 2018 22:00
 Operator : JU/SJ
 Sample : J5263-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID12-COMP-100318

Manual Integrations
 APPROVED

Sohil
 10/8/2018 5:00:59 PM

Quant Time: Oct 08 11:29:18 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	83599	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	326425	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	138862	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	229158	20.00	ng	0.00
75) Chrysene-d12	13.84	240	213770	20.00	ng	0.00
86) Perylene-d12	15.24	264	213379	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	409008	80.58	ng	0.00
7) Phenol-d6	6.35	99	540819	83.50	ng	0.00
23) Nitrobenzene-d5	7.26	82	339845	61.46	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	110370	80.63	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	505454	54.90	ng	-0.02
78) Terphenyl-d14	12.79	244	363602	41.74	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.00	128	84534	5.542	ng	99
37) 2-Methylnaphthalene	8.69	142	24062	2.447	ng	97
49) Dimethylphthalate	9.45	163	187522	18.567	ng	99
51) Acenaphthene	9.76	154	38050	4.616	ng	98
54) Dibenzofuran	9.93	168	55381	4.517	ng	97
57) Fluorene	10.27	166	59223	6.770	ng	98
70) Phenanthrene	11.23	178	657705	57.483	ng	99
71) Anthracene	11.29	178	170495	14.691	ng	98
72) Carbazole	11.45	167	75674	6.554	ng	99
74) Fluoranthene	12.42	202	682650	55.829	ng	96
77) Pyrene	12.64	202	588420	38.407	ng	99
80) Benzo(a)anthracene	13.83	228	326808	25.381	ng	99
82) Chrysene	13.86	228	270423	21.190	ng	97
85) Indeno(1,2,3-cd)pyrene	16.59	276	102379m	9.897	ng	
87) Benzo(b)fluoranthene	14.84	252	302970m	25.840	ng	
88) Benzo(k)fluoranthene	14.87	252	85605m	7.694	ng	
89) Benzo(a)pyrene	15.18	252	200692	18.995	ng	95
90) Dibenzo(a,h)anthracene	16.59	278	24609m	2.839	ng	
91) Benzo(a,h,i)perylene	16.99	276	83210	9.768	ng	# 90

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

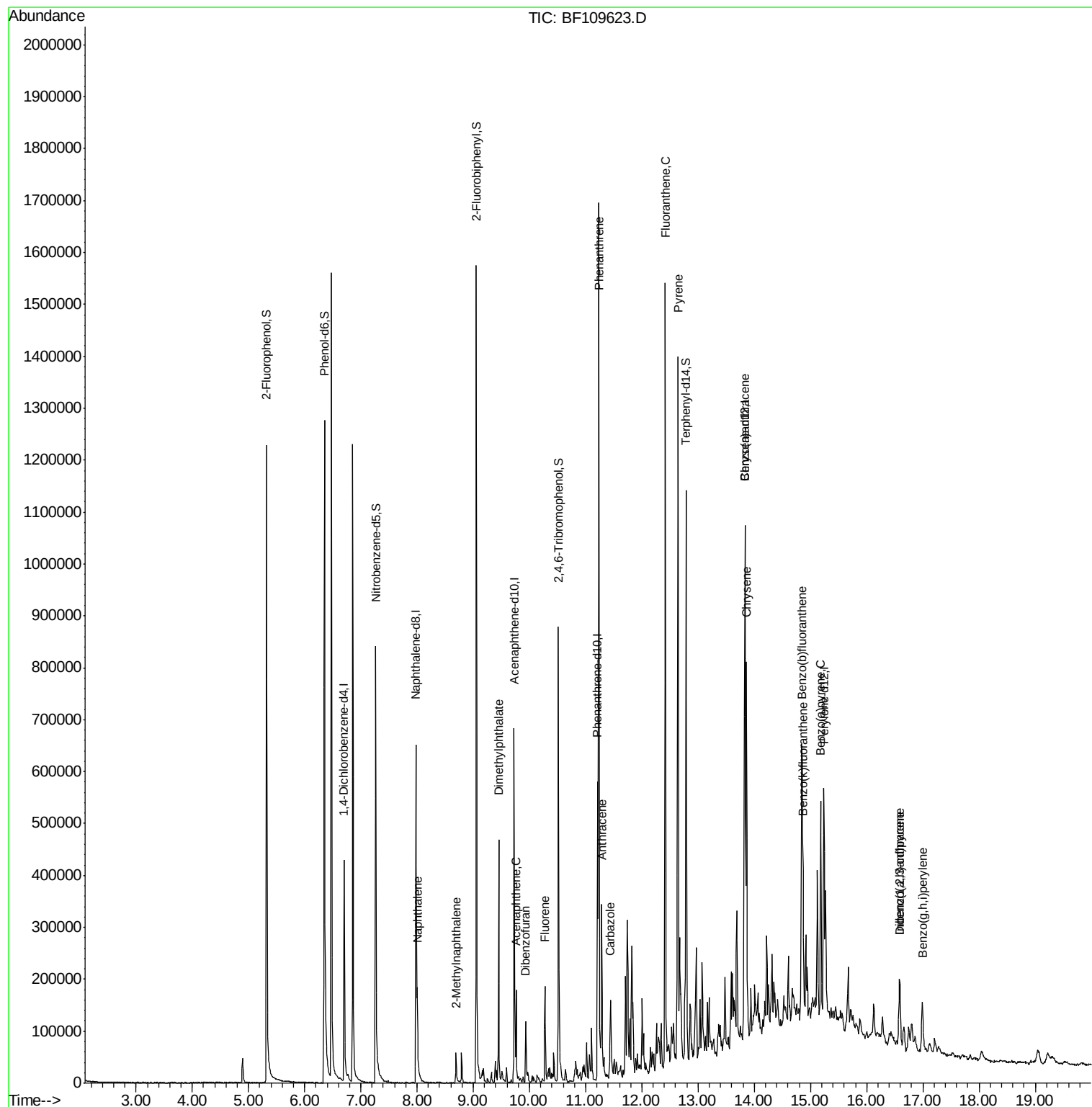
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100518\
Data File : BF109623.D
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Operator : JU/SJ
Sample : J5263-03
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ALS Vial : 9 Sample Multiplier: 1

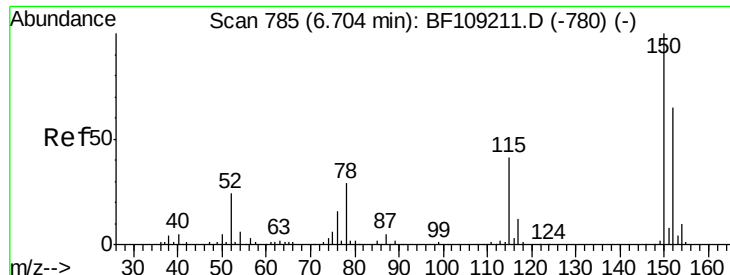
Instrument :
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GRID12-COMP-100318

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#1

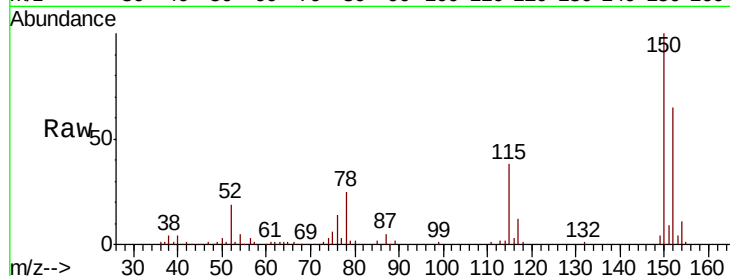
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109623.D
Acq: 5 Oct 2018 22:00

Instrument :
BNA_F
ClientSampleId :
GRID12-COMP-100318

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.6	186.8
115	58.7	50.1	75.1

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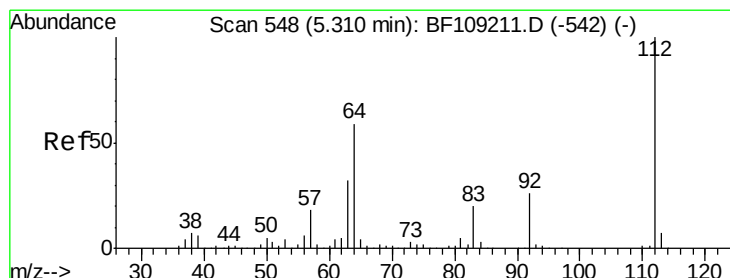
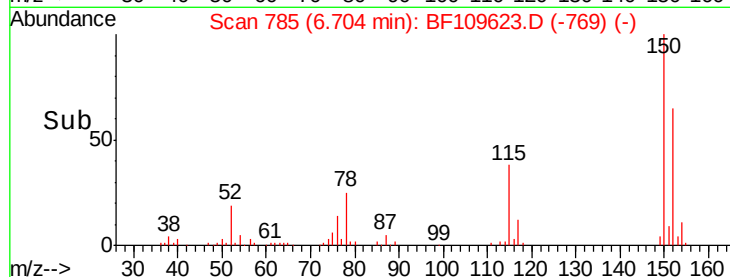
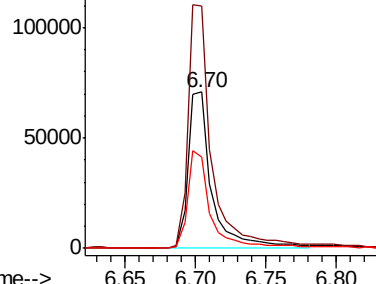


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

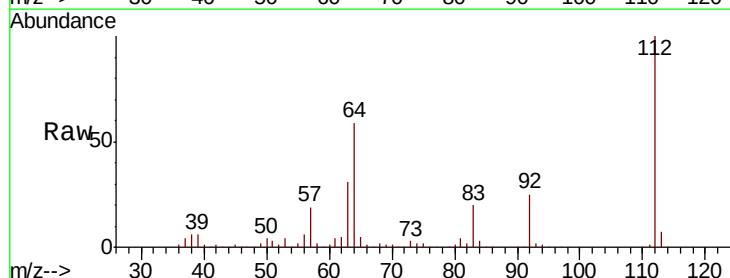
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 80.583 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF109623.D
Acq: 5 Oct 2018 22:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.9	71.9
63	31.0	23.7	35.5

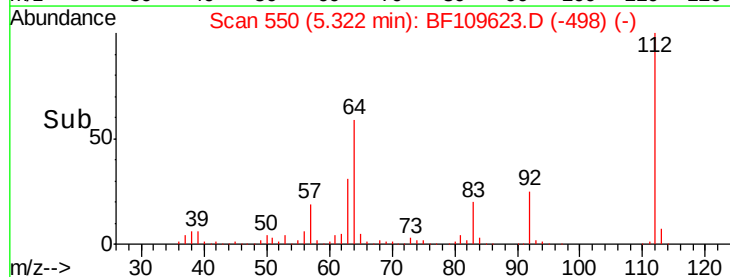
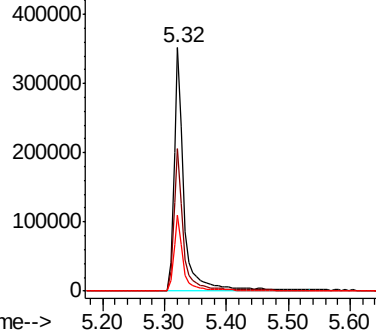


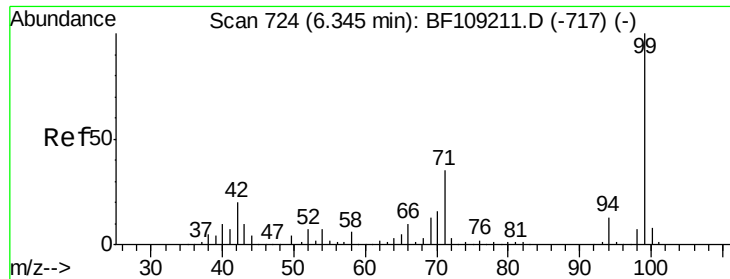
Abundance

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: 83.503 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109623.D

Acq: 5 Oct 2018 22:00

Instrument :

BNA_F

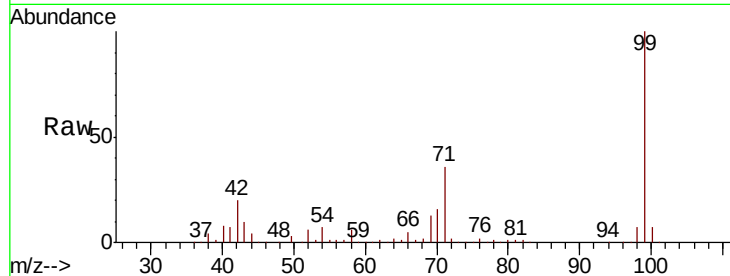
ClientSampleId :

GRID12-COMP-100318

Tot Ion:	99	Resp:	540819
Ion	Ratio	Lower	Upper
99	100		
42	19.7	14.5	21.7
71	35.6	25.4	38.0

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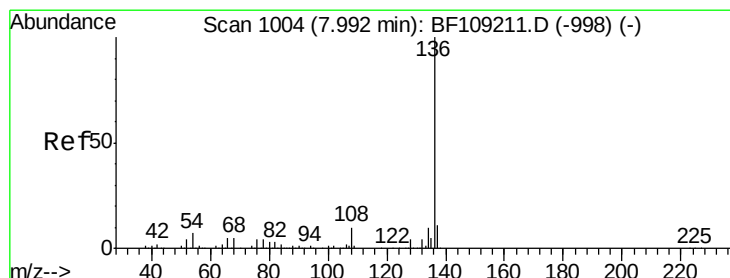
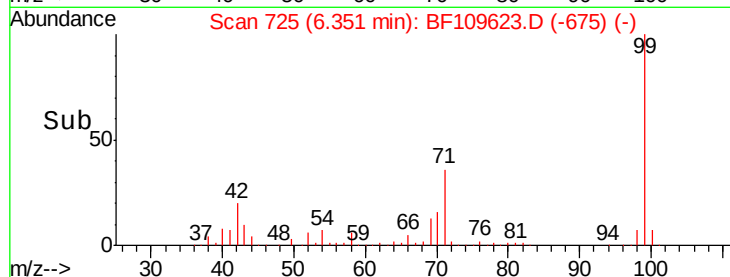
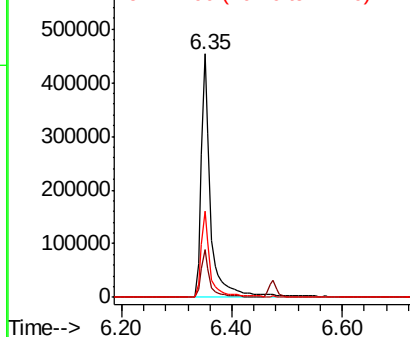


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF109623.D

Acq: 5 Oct 2018 22:00

Tgt Ion:	136	Resp:	326425
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.9	6.6	9.8
68	5.6	5.0	7.4

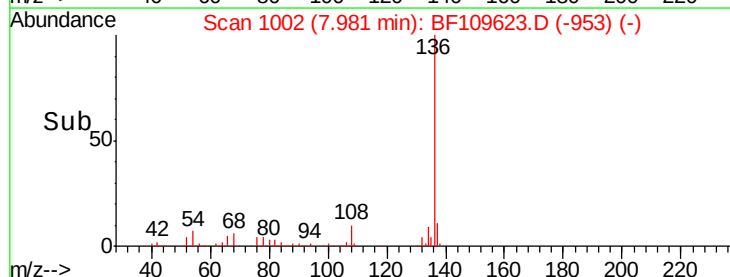
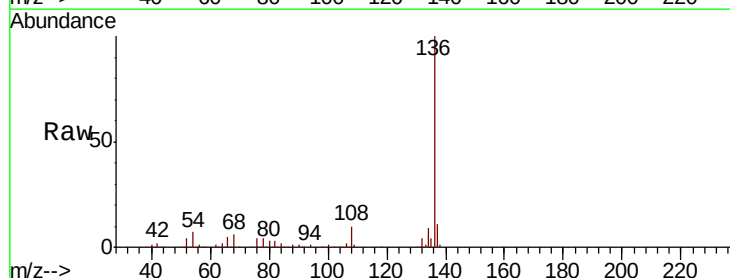
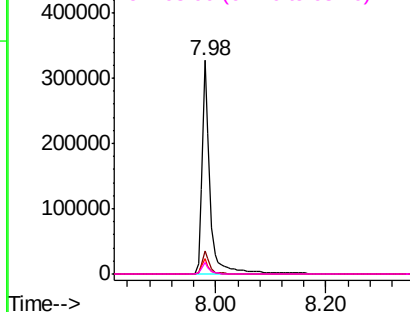
Abundance

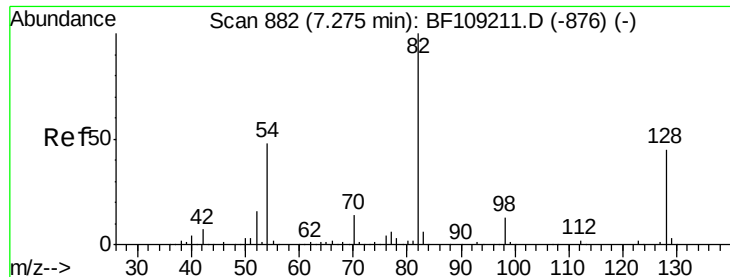
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 61.458 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109623.D

Acq: 5 Oct 2018 22:00

Instrument :

BNA_F

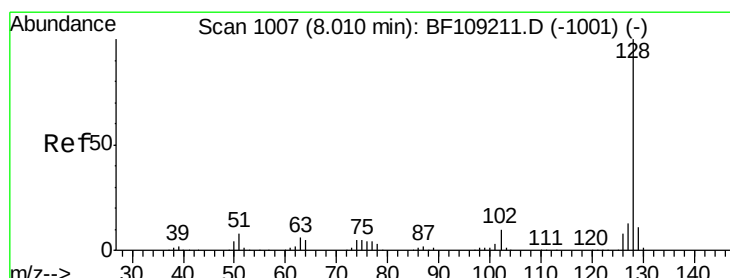
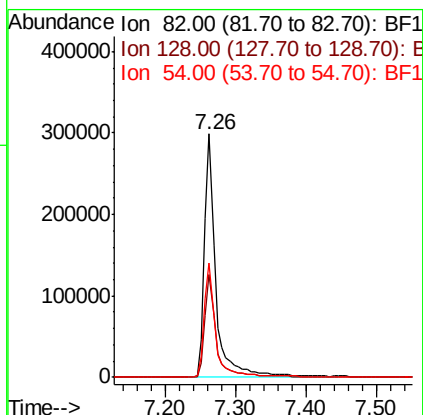
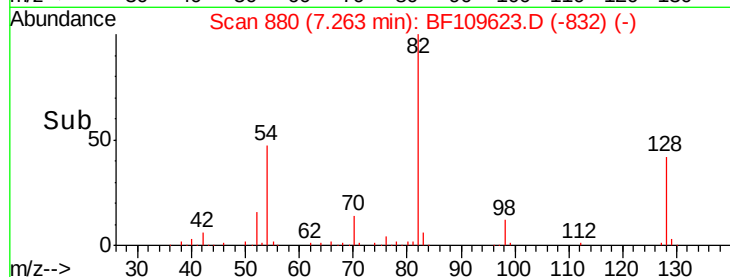
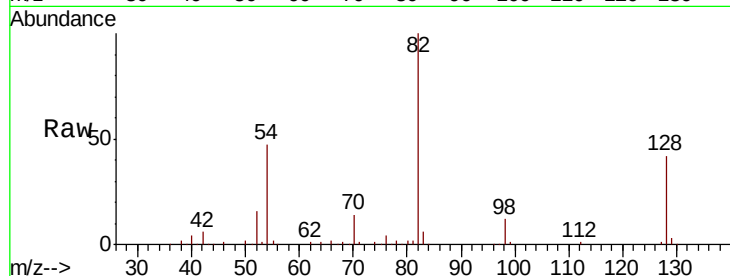
ClientSampleId :

GRID12-COMP-100318

Tot Ion:	82	Resp:	339845
Ion Ratio	Lower	Upper	
82	100		
128	42.4	36.1	54.1
54	47.0	41.4	62.2

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#31

Naphthalene

Concen: 5.542 ng

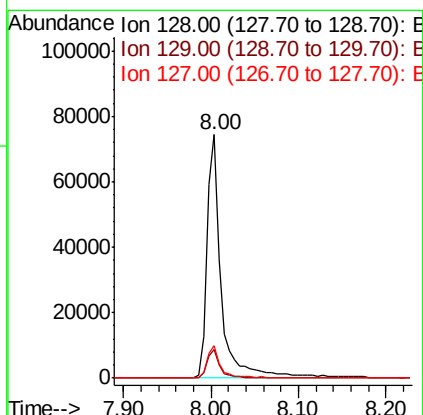
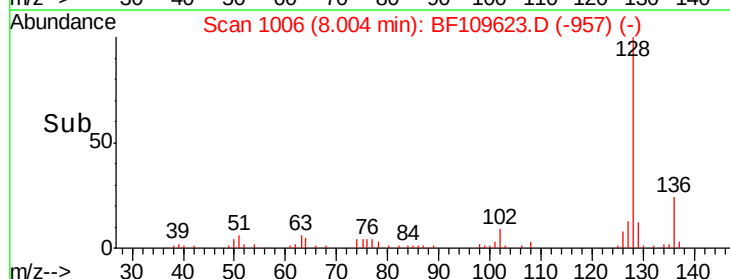
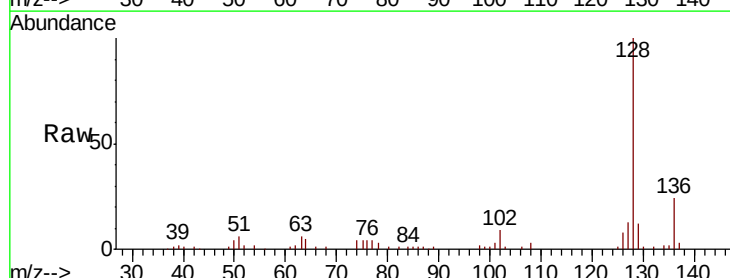
RT: 8.00 min Scan# 1006

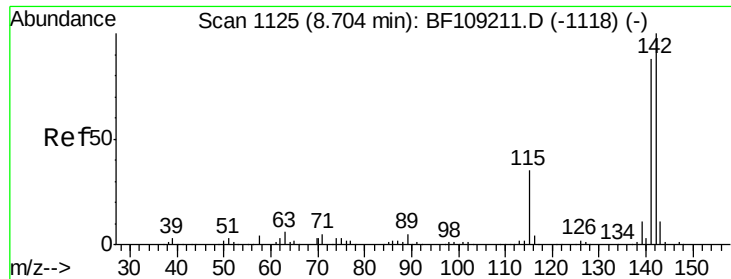
Delta R.T. -0.01 min

Lab File: BF109623.D

Acq: 5 Oct 2018 22:00

Tgt Ion:	128	Resp:	84534
Ion Ratio	Lower	Upper	
128	100		
129	11.7	8.8	13.2
127	13.1	10.9	16.3





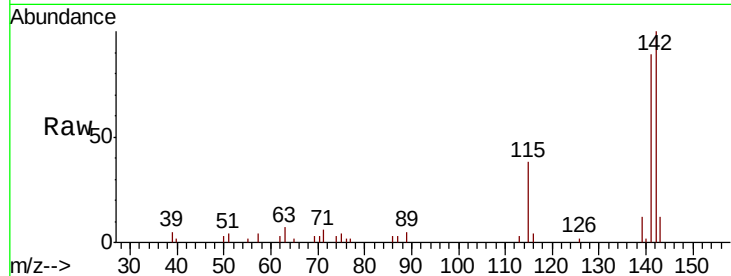
#37
2-Methylnaphthalene
Concen: 2.447 ng
RT: 8.69 min Scan# 1123
Delta R.T. -0.01 min
Lab File: BF109623.D
Acq: 5 Oct 2018 22:00

Instrument :
BNA_F
ClientSampleId :
GRID12-COMP-100318

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.8	106.2
115	38.0	26.1	39.1

Manual Integrations
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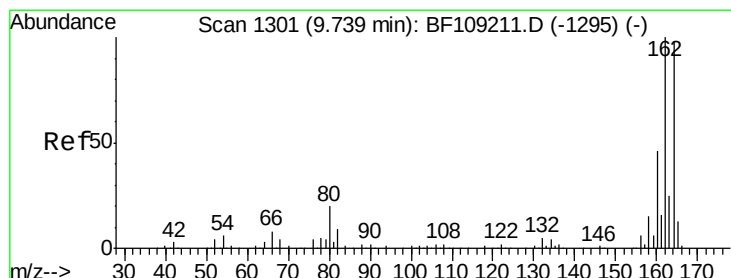
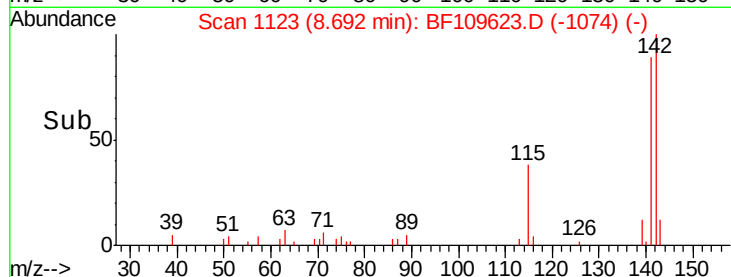
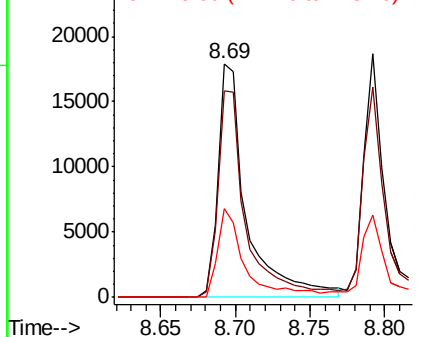


Abundance

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
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF109623.D
Acq: 5 Oct 2018 22:00

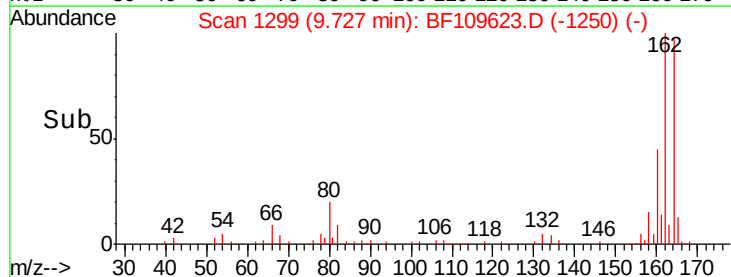
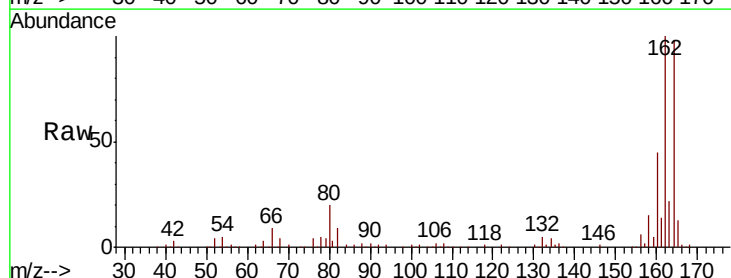
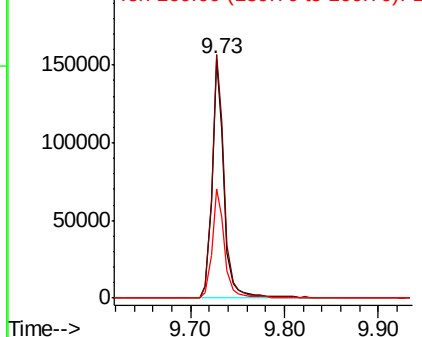
Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	86.1	129.1
160	45.9	38.3	57.5

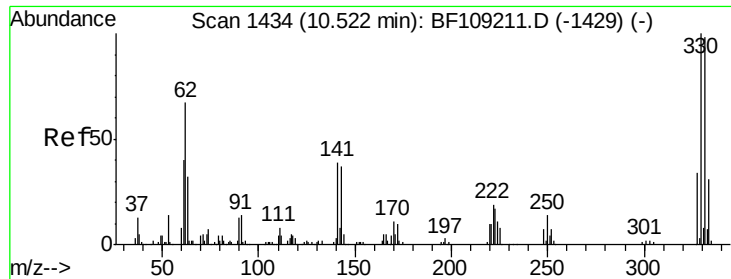
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 80.627 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.02 min

Lab File: BF109623.D

Acq: 5 Oct 2018 22:00

Instrument :

BNA_F

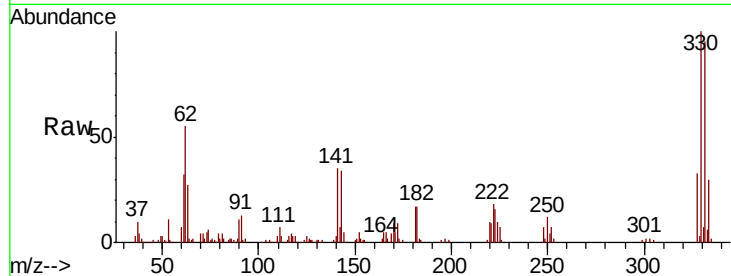
ClientSampleId :

GRID12-COMP-100318

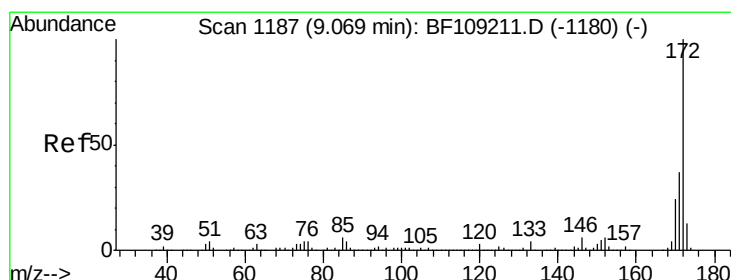
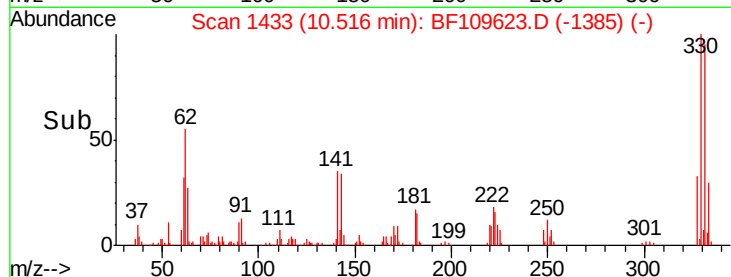
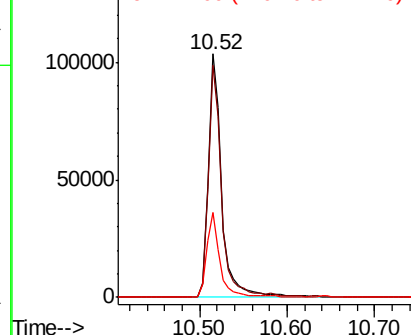
Tot Ion:	330	Resp:	110370
Ion Ratio	Lower	Upper	
330	100		
332	94.7	77.0	115.6
141	34.9	29.9	44.9

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



#44

2-Fluorobiphenyl

Concen: 54.898 ng

RT: 9.06 min Scan# 1185

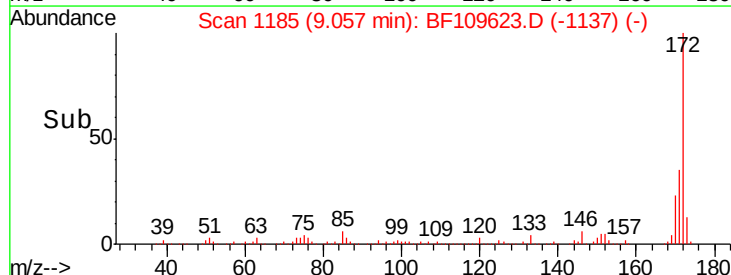
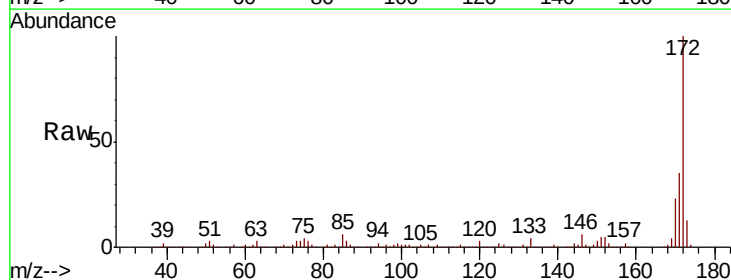
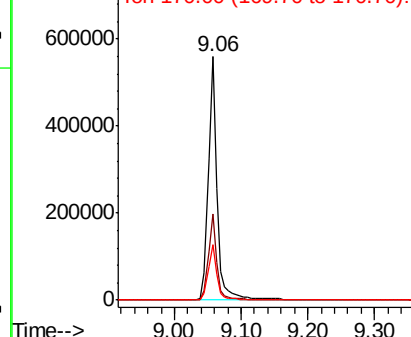
Delta R.T. -0.02 min

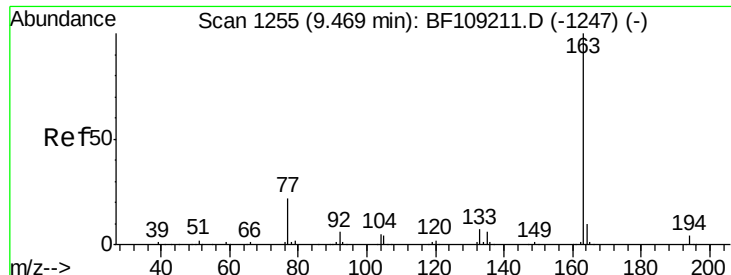
Lab File: BF109623.D

Acq: 5 Oct 2018 22:00

Tgt Ion:	172	Resp:	505454
Ion Ratio	Lower	Upper	
172	100		
171	35.4	29.7	44.5
170	23.0	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





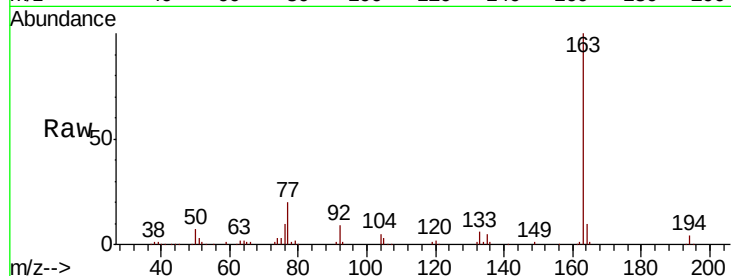
#49
Dimethylphthalate
Concen: 18.567 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.03 min
Lab File: BF109623.D
Acq: 5 Oct 2018 22:00

Instrument :
BNA_F
ClientSampleId :
GRID12-COMP-100318

Tot Ion	Ratio	Resp	Lower	Upper
163	100	187522		
194	3.8		2.7	4.1
164	9.9		8.2	12.2

Manual Integrations
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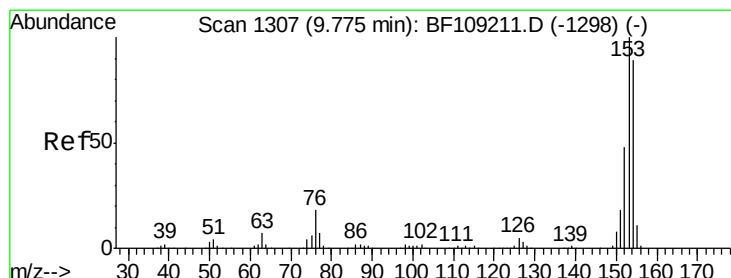
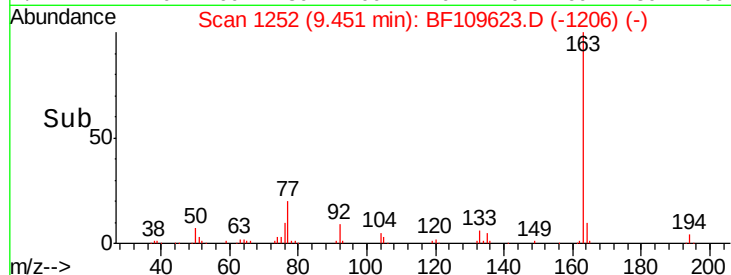
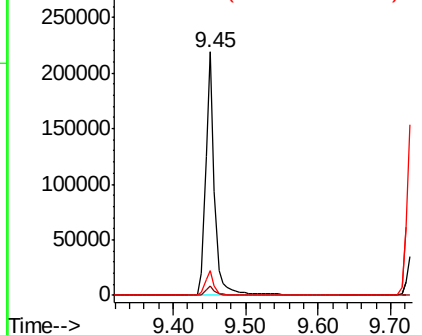


Abundance

Ion 163.00 (162.70 to 163.70): E

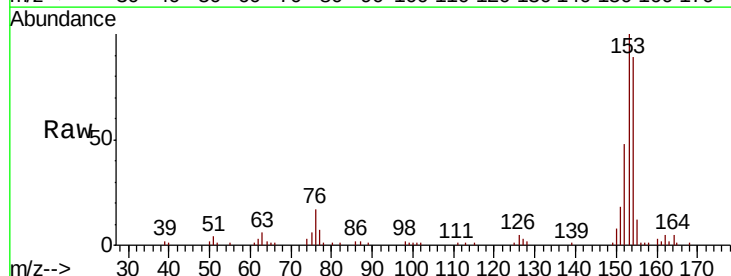
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
Acenaphthene
Concen: 4.616 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.02 min
Lab File: BF109623.D
Acq: 5 Oct 2018 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	38050		
153	112.2		91.2	136.8
152	53.6		43.8	65.8

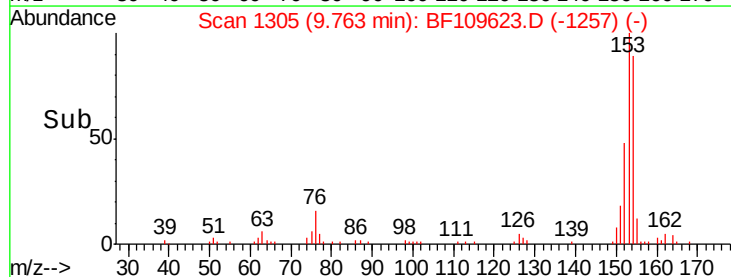
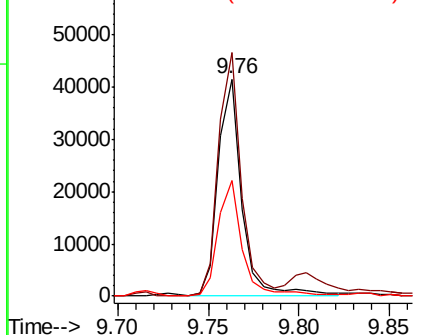


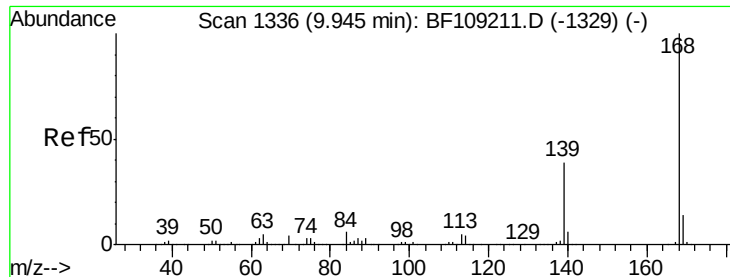
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





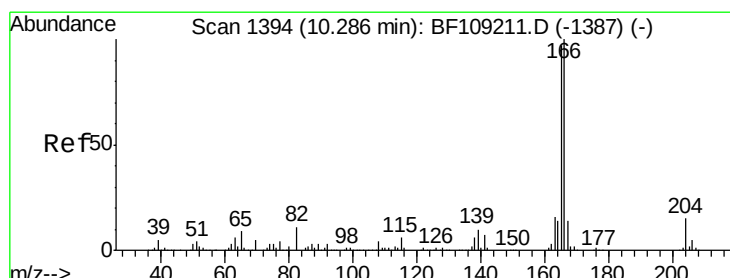
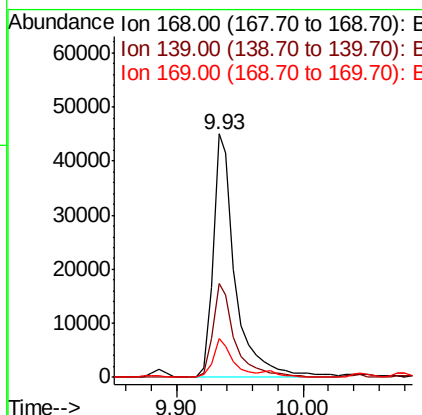
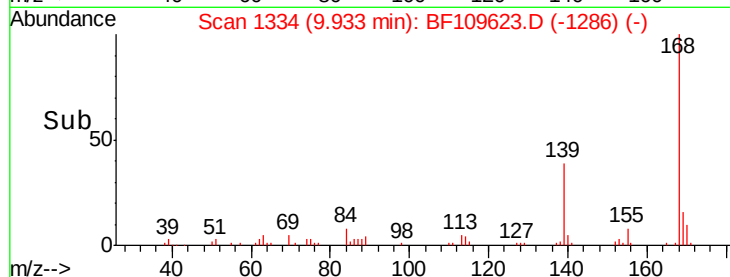
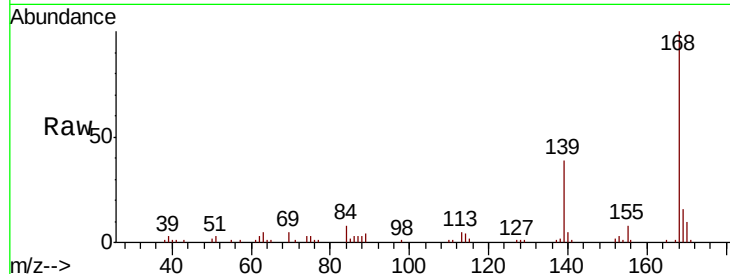
#54
Dibenzenofuran
Concen: 4.517 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.02 min
Lab File: BF109623.D
Acq: 5 Oct 2018 22:00

Instrument :
BNA_F
ClientSampleId :
GRID12-COMP-100318

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.5	30.1	45.1
169	15.9	10.9	16.3

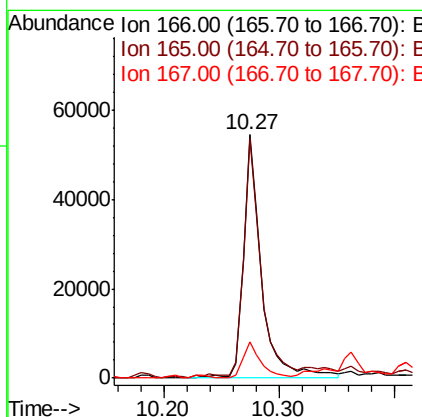
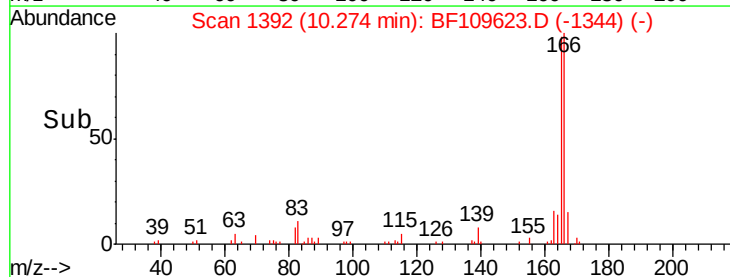
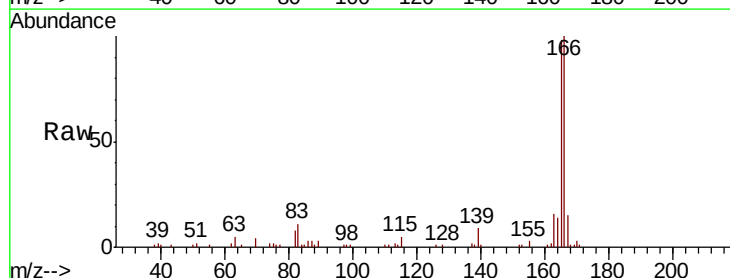
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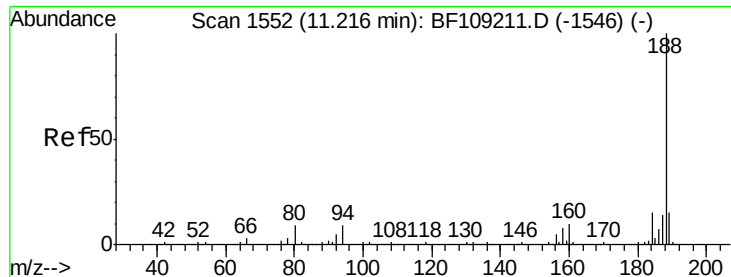
Sohil
10/8/2018 5:00:59 PM



#57
Fluorene
Concen: 6.770 ng
RT: 10.27 min Scan# 1392
Delta R.T. -0.02 min
Lab File: BF109623.D
Acq: 5 Oct 2018 22:00

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.8	119.8
167	15.1	10.6	16.0





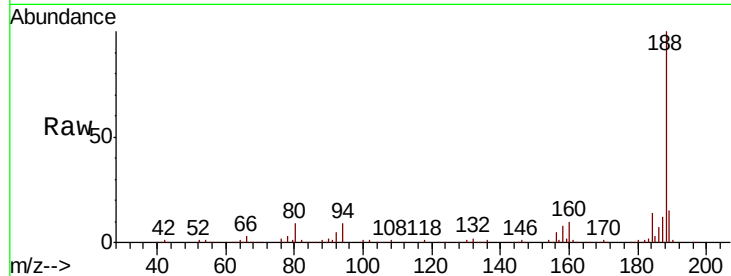
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF109623.D
Acq: 5 Oct 2018 22:00

Instrument :
BNA_F
ClientSampleId :
GRID12-COMP-100318

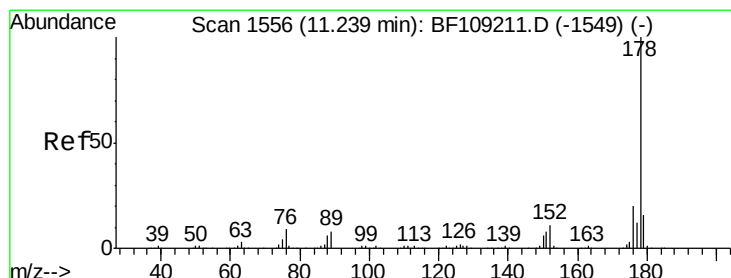
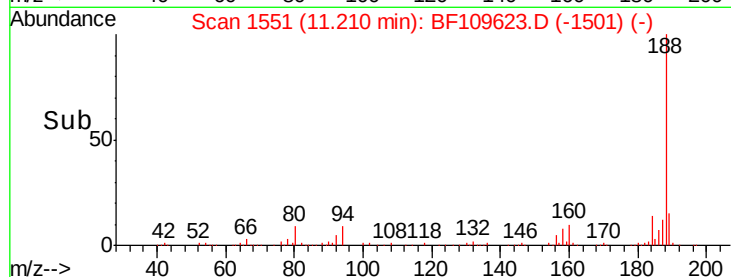
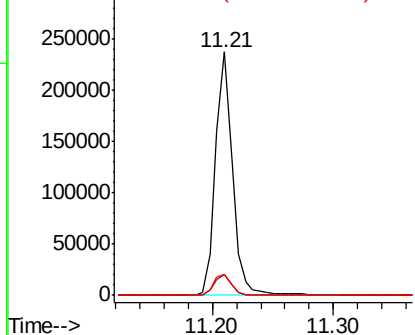
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.8	8.5	12.7
80	8.8	9.2	13.8#

Manual Integrations
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10/8/2018 5:00:59 PM

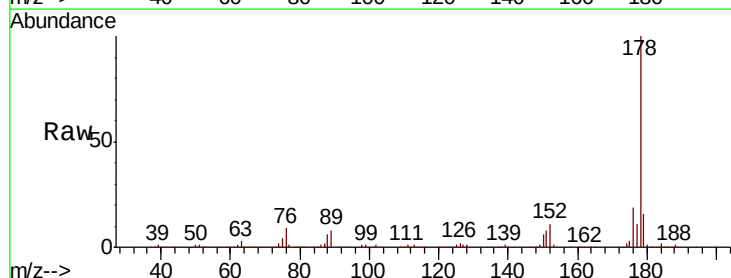


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

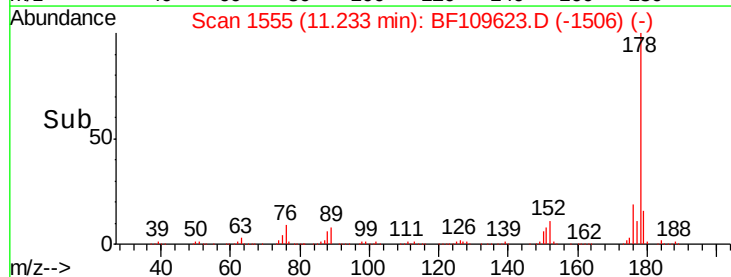
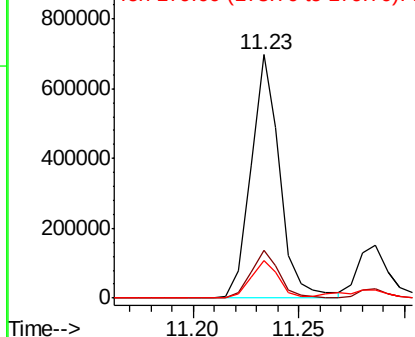


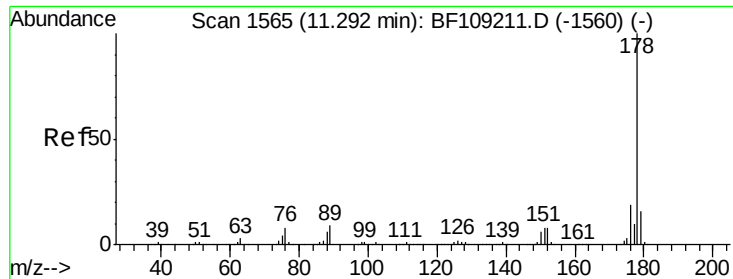
#70
Phenanthrene
Concen: 57.483 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF109623.D
Acq: 5 Oct 2018 22:00

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.6	13.0	19.6



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





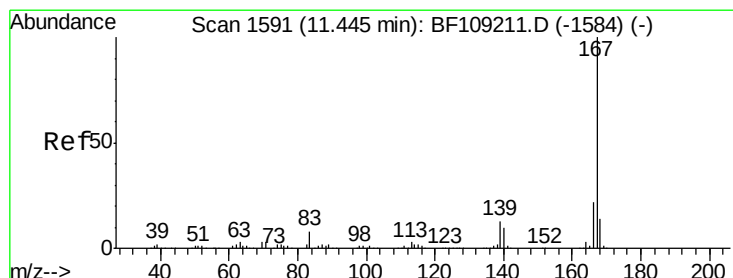
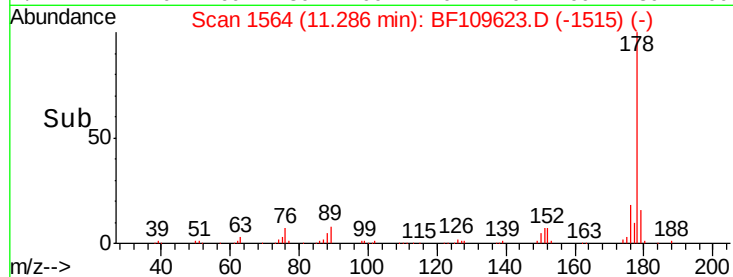
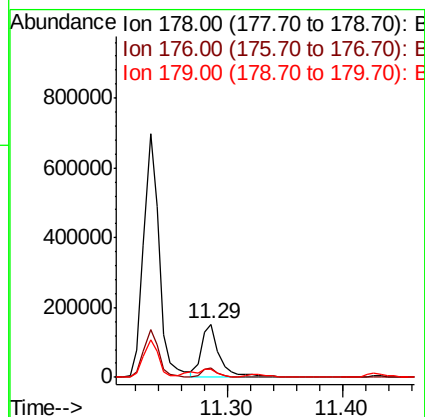
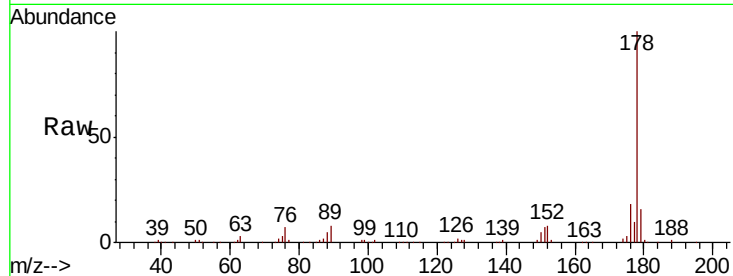
#71
 Anthracene
 Concen: 14.691 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF109623.D
 Acq: 5 Oct 2018 22:00

Instrument :
 BNA_F
 ClientSampleId :
 GRID12-COMP-100318

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	16.3	12.6	19.0

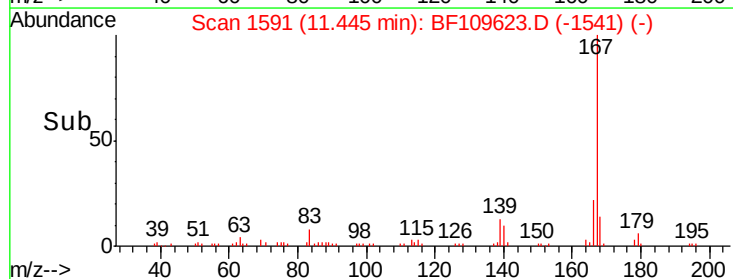
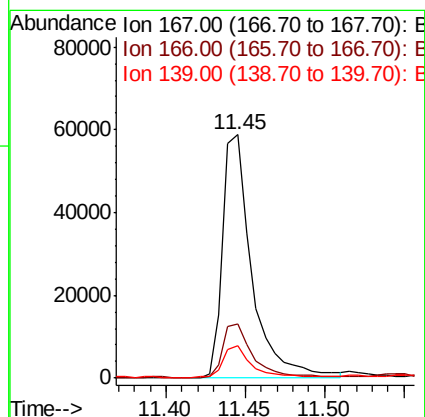
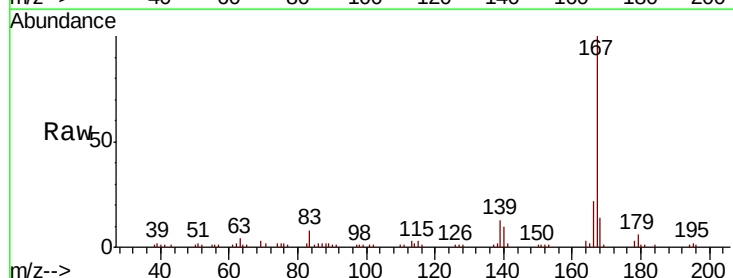
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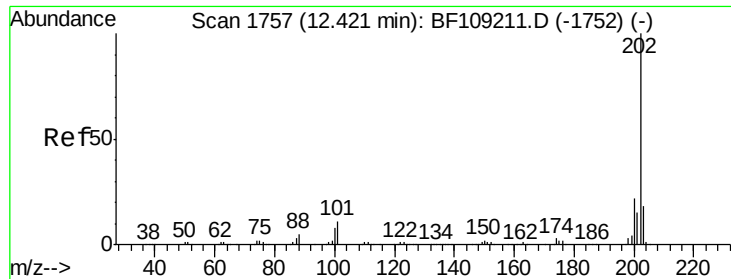
Sohil
 10/8/2018 5:00:59 PM



#72
 Carbazole
 Concen: 6.554 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: BF109623.D
 Acq: 5 Oct 2018 22:00

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.6	26.4
139	13.1	10.9	16.3





#74

Fluoranthene

Concen: 55.829 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF109623.D

Acq: 5 Oct 2018 22:00

Instrument :

BNA_F

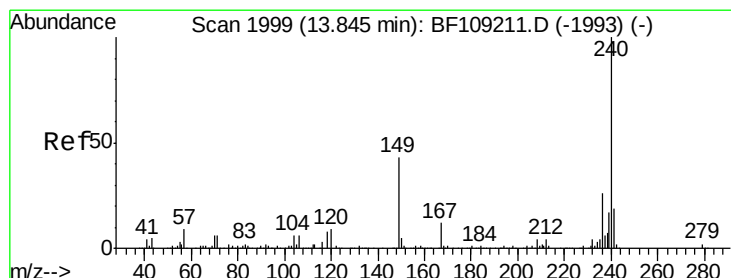
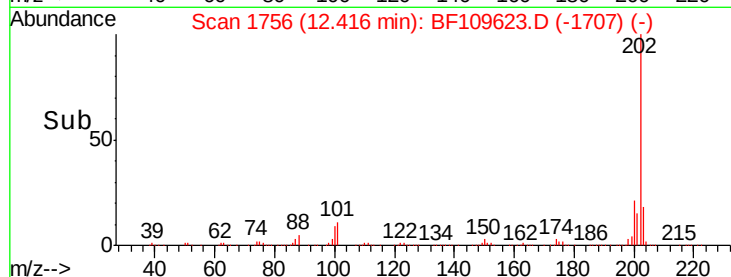
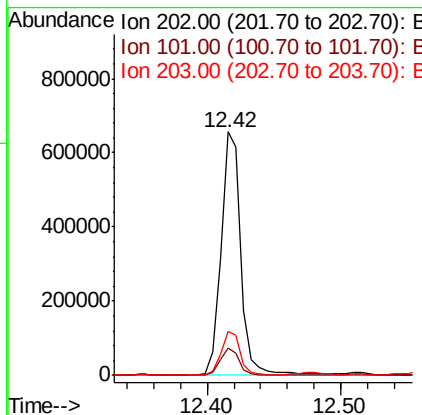
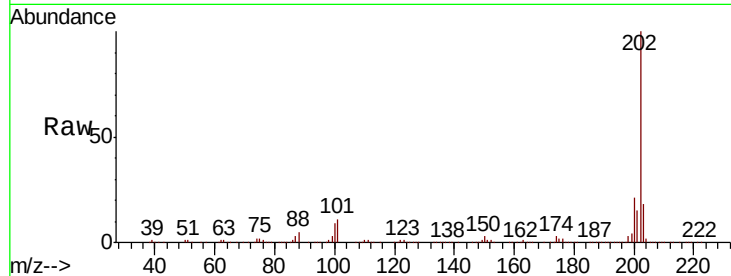
ClientSampleId :

GRID12-COMP-100318

Tot Ion	Ratio	Resp	Lower	Upper
202	100	682650		
101	11.1	0.0	34.1	
203	17.8	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

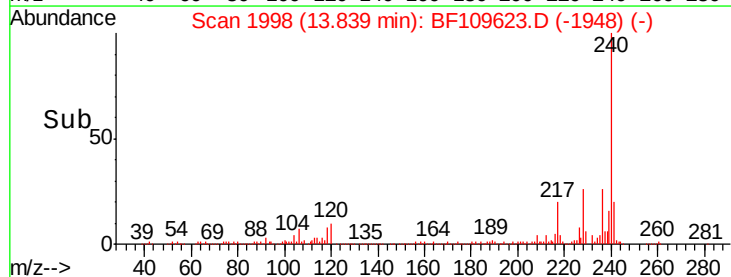
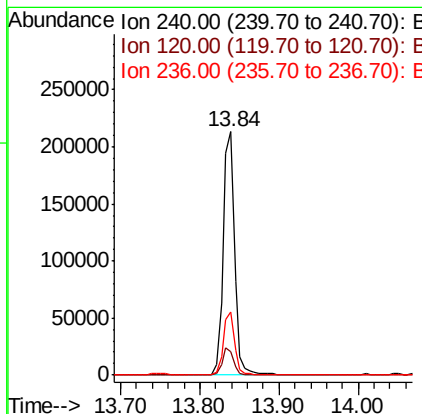
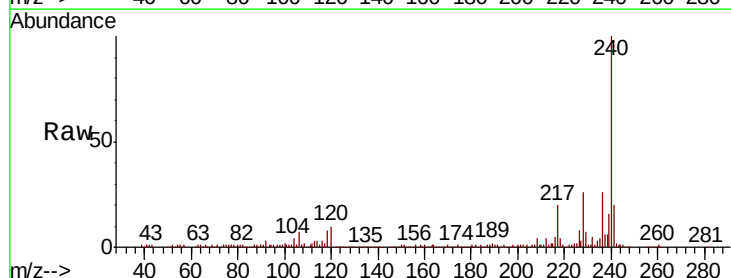
RT: 13.84 min Scan# 1998

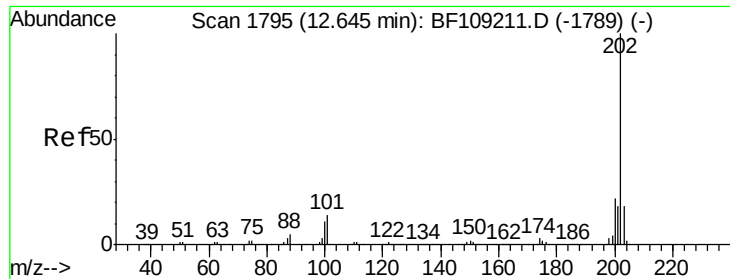
Delta R.T. -0.01 min

Lab File: BF109623.D

Acq: 5 Oct 2018 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	213770		
120	9.6	9.5	14.3	
236	25.7	20.7	31.1	





#77

Pvrene

Concen: 38.407 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF109623.D

Acq: 5 Oct 2018 22:00

Instrument :

BNA_F

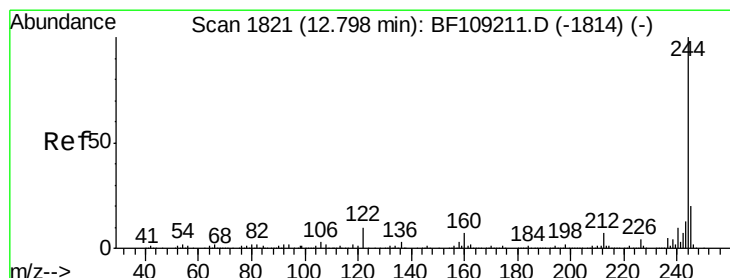
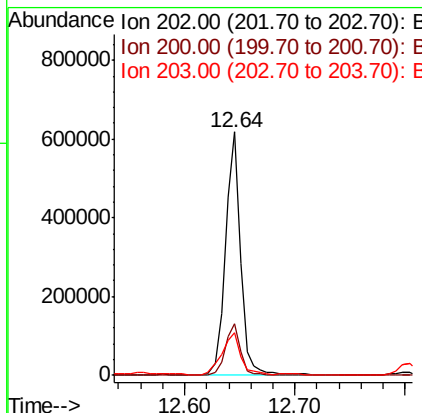
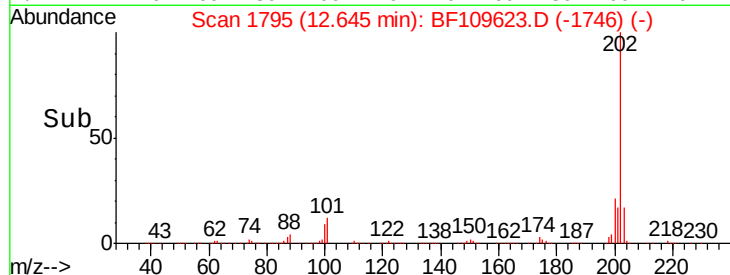
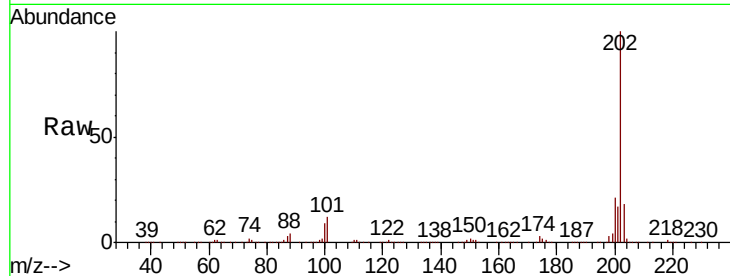
ClientSampleId :

GRID12-COMP-100318

Tot Ion:	202	Resp:	588420
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.5	14.3	21.5

Manual Integrations
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Sohil
10/8/2018 5:00:59 PM



#78

Terphenyl-d14

Concen: 41.743 ng

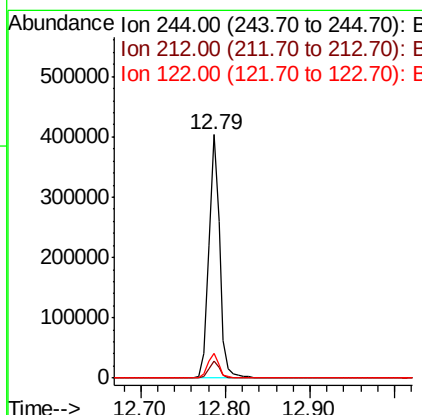
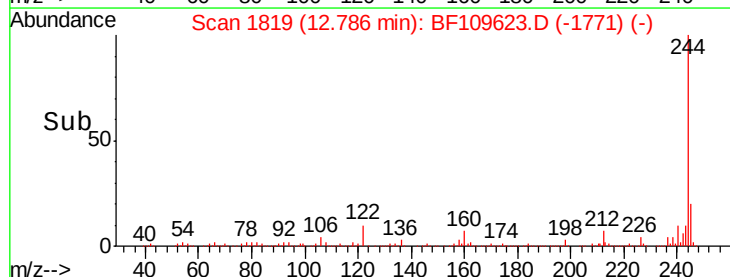
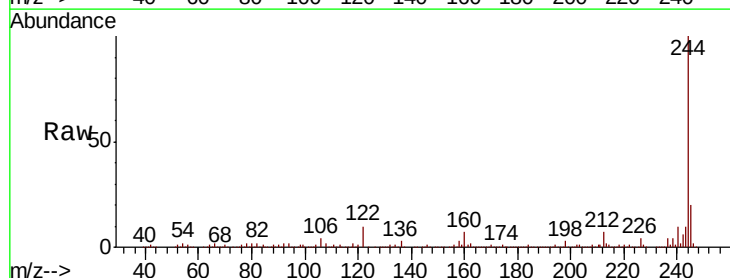
RT: 12.79 min Scan# 1819

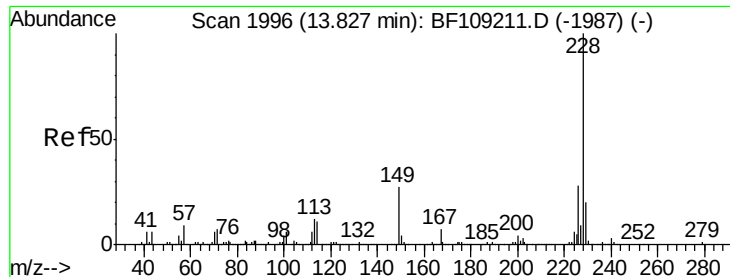
Delta R.T. -0.02 min

Lab File: BF109623.D

Acq: 5 Oct 2018 22:00

Tgt Ion:	244	Resp:	363602
Ion Ratio		Lower	Upper
244	100		
212	7.1	5.4	8.0
122	10.4	11.0	16.4#





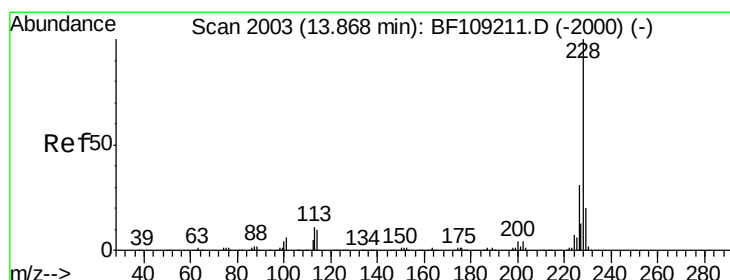
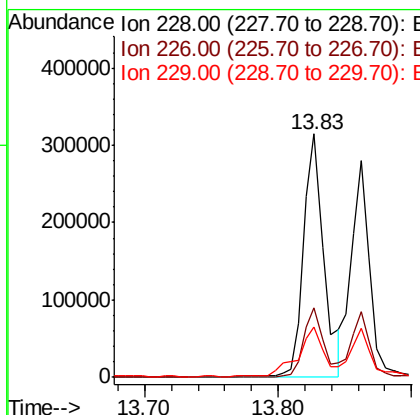
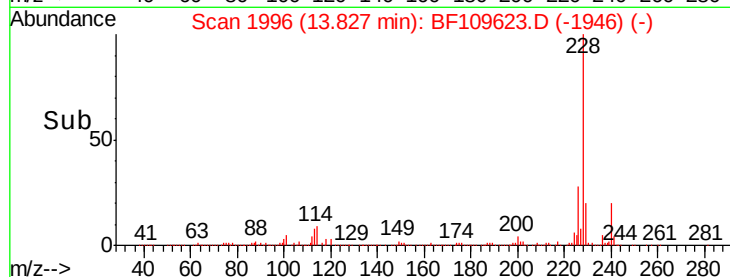
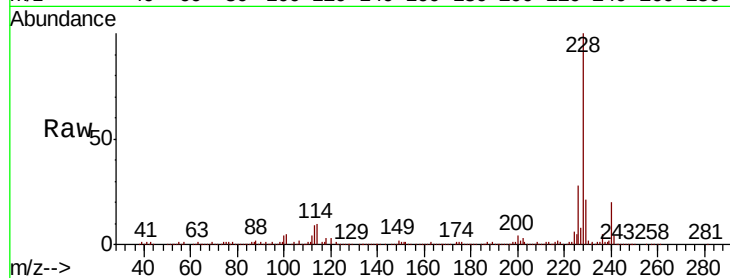
#80
Benzo(a)anthracene
Concen: 25.381 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF109623.D
Acq: 5 Oct 2018 22:00

Instrument :
BNA_F
ClientSampleId :
GRID12-COMP-100318

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	20.5	15.8	23.6

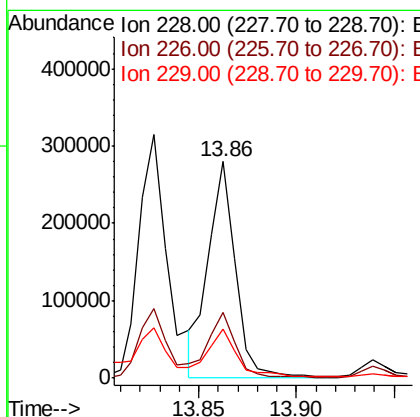
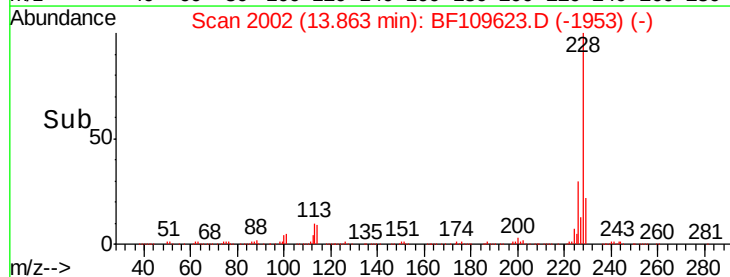
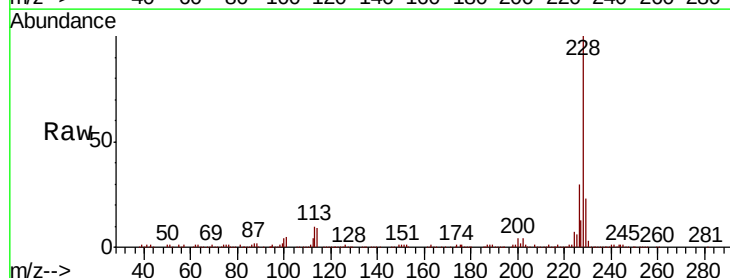
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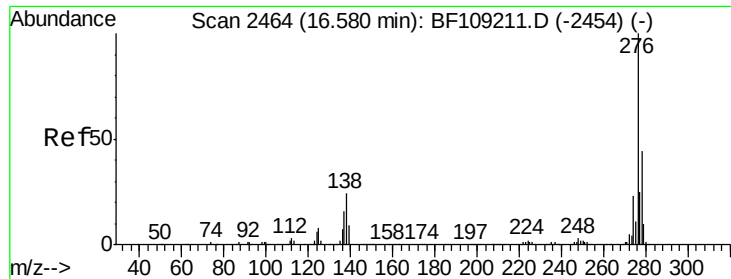
Sohil
10/8/2018 5:00:59 PM



#82
Chrysene
Concen: 21.190 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF109623.D
Acq: 5 Oct 2018 22:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	22.7	16.2	24.4





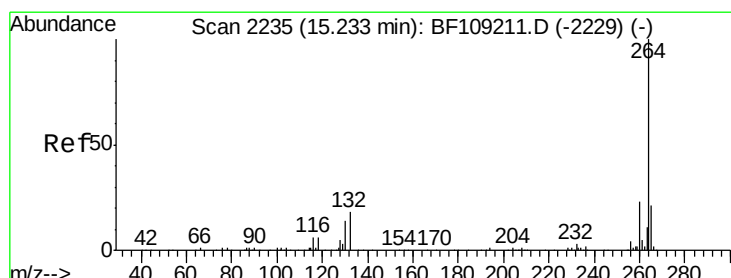
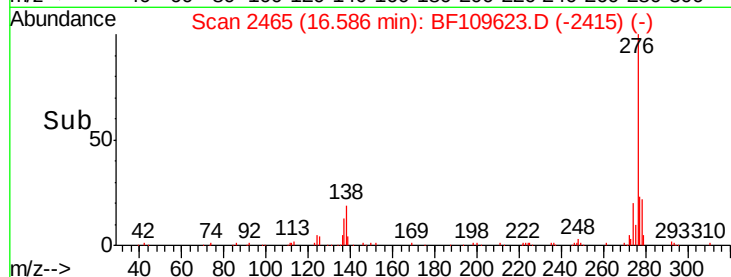
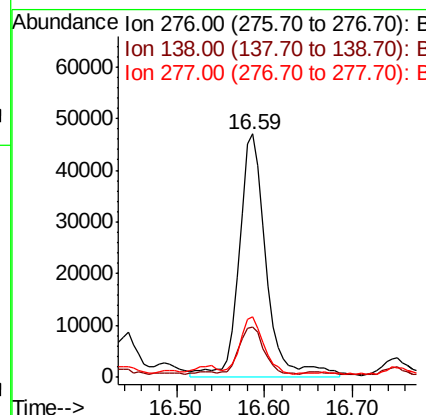
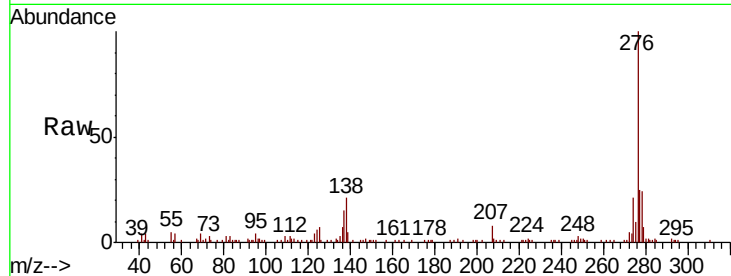
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.897 ng
RT: 16.59 min Scan# 2465
Delta R.T. -0.01 min
Lab File: BF109623.D
Acq: 5 Oct 2018 22:00

Instrument :
BNA_F
ClientSampleId :
GRID12-COMP-100318

Tot Ion	Ratio	Lower	Upper
276	100		
138	2.4	25.0	37.6#
277	1.9	20.1	30.1#

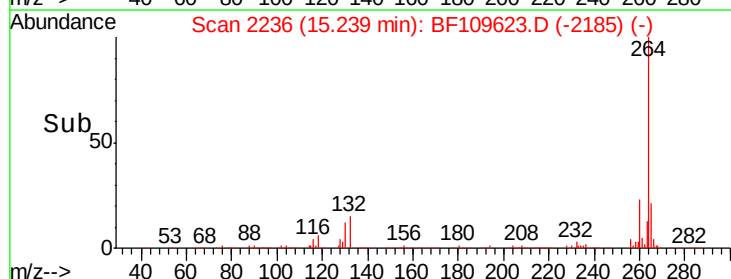
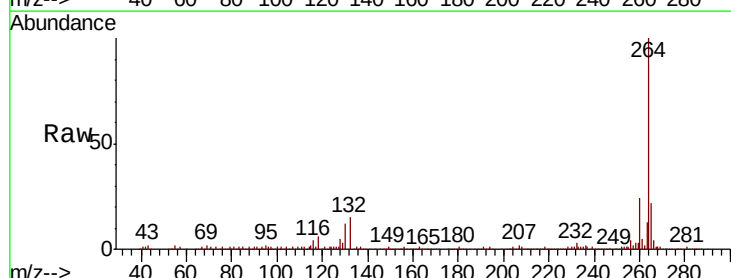
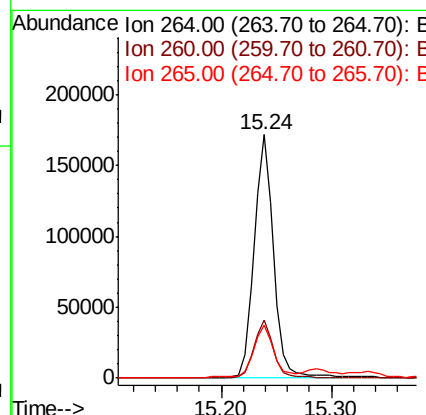
Manual Integrations
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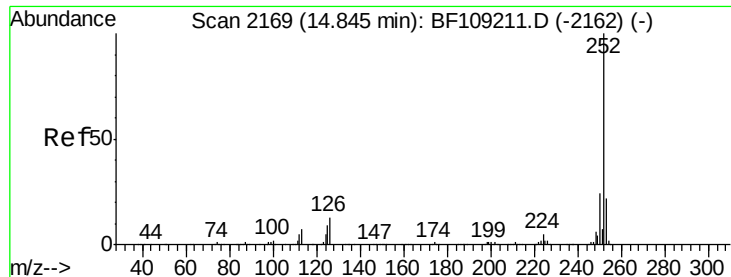
Sohil
10/8/2018 5:00:59 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF109623.D
Acq: 5 Oct 2018 22:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.6	17.5	26.3





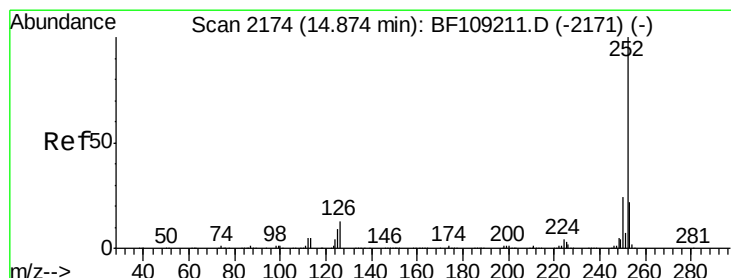
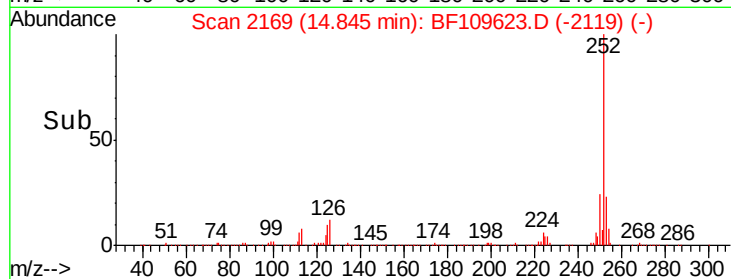
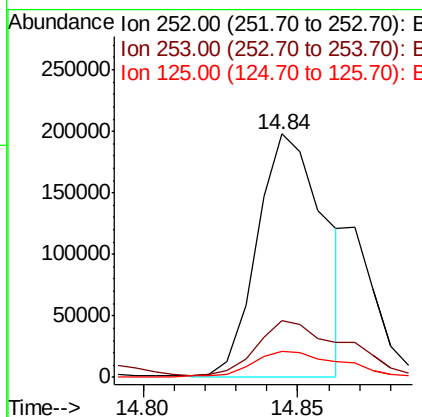
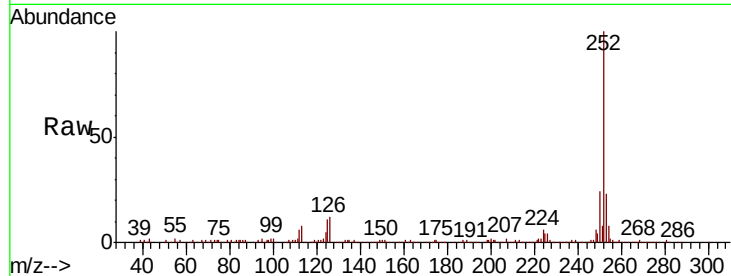
#87
Benzo(b)fluoranthene
Concen: 25.840 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109623.D
Acq: 5 Oct 2018 22:00

Instrument :
BNA_F
ClientSampleId :
GRID12-COMP-100318

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	10.7	9.0	13.6

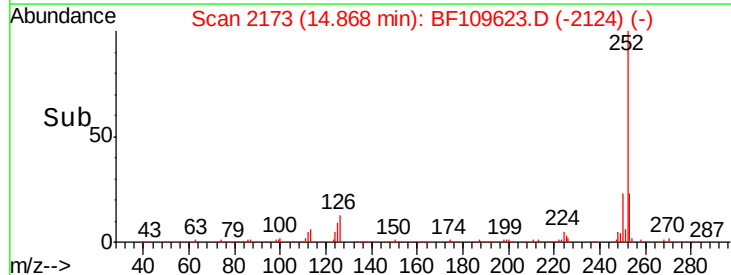
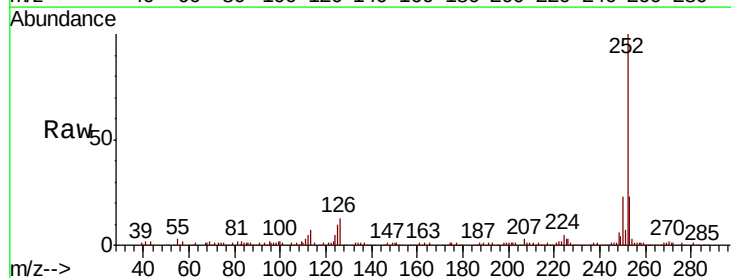
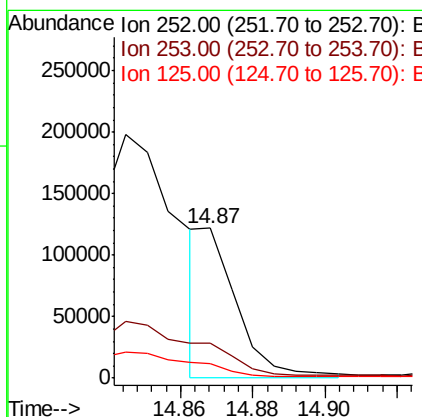
Manual Integrations
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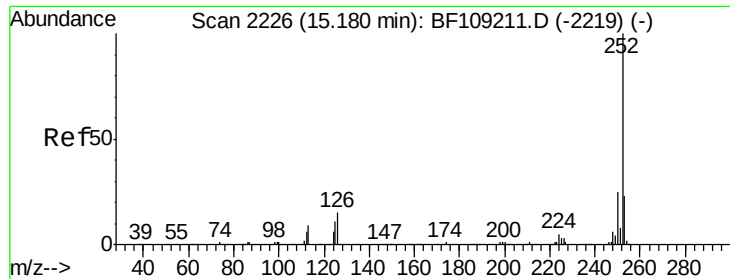
Sohil
10/8/2018 5:00:59 PM



#88
Benzo(k)fluoranthene
Concen: 7.694 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF109623.D
Acq: 5 Oct 2018 22:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	9.6	10.2	15.2#





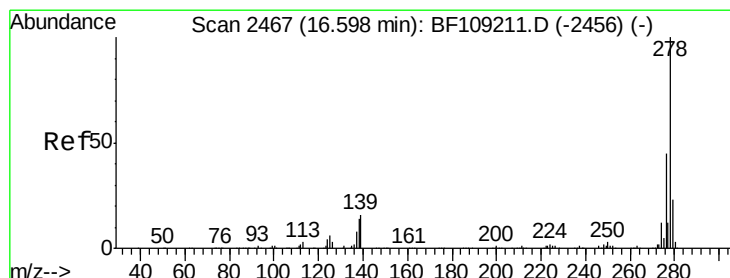
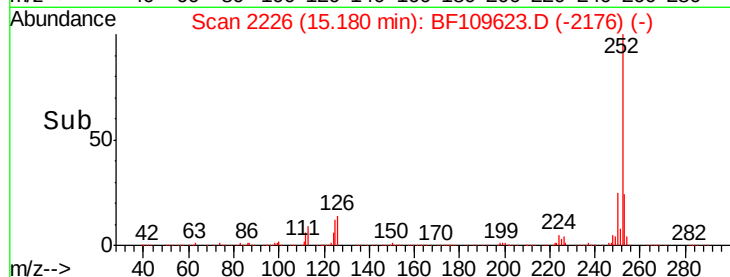
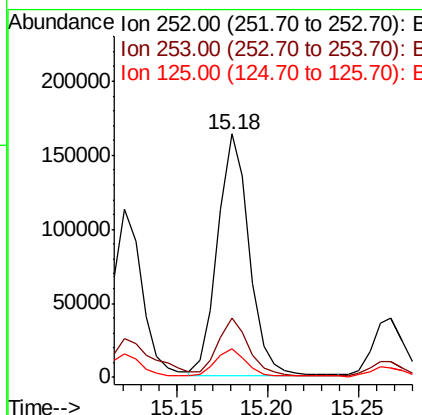
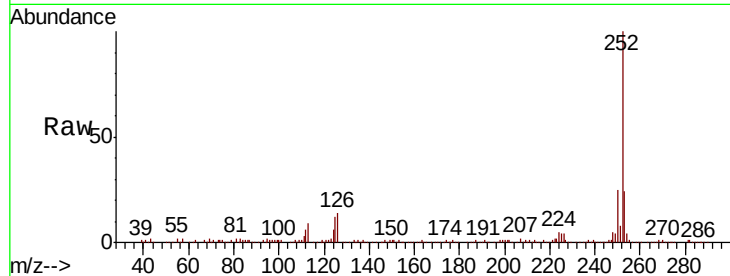
#89
Benzo(a)pyrene
Concen: 18.995 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF109623.D
Acq: 5 Oct 2018 22:00

Instrument :
BNA_F
ClientSampleId :
GRID12-COMP-100318

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.1	25.7
125	11.8	9.8	14.6

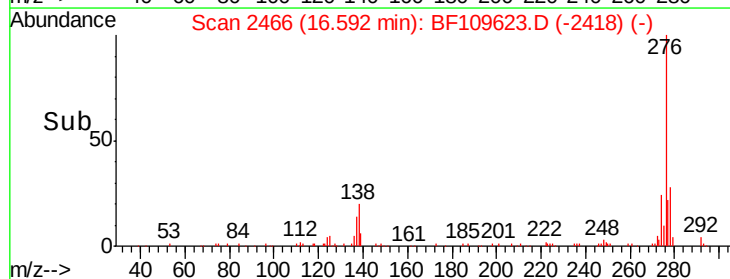
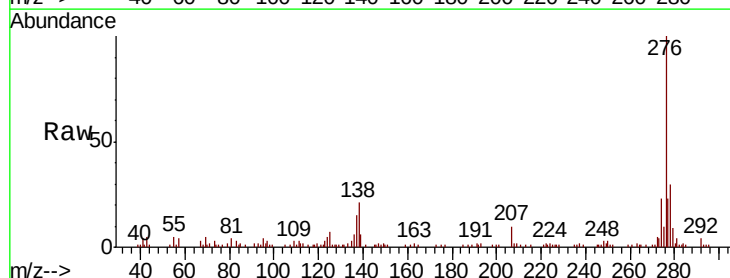
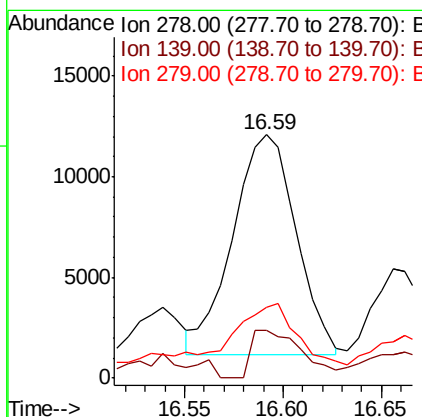
Manual Integrations
APPROVED

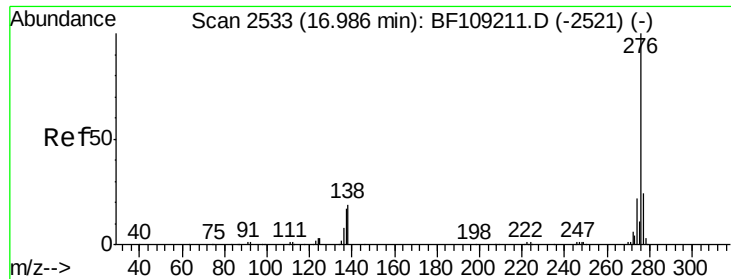
Sohil
10/8/2018 5:00:59 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.839 ng m
RT: 16.59 min Scan# 2466
Delta R.T. -0.02 min
Lab File: BF109623.D
Acq: 5 Oct 2018 22:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.8	15.9	23.9
279	29.2	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 9.768 ng
 RT: 16.99 min Scan# 2534
 Delta R.T. -0.01 min
 Lab File: BF109623.D
 Acq: 5 Oct 2018 22:00

Instrument :
 BNA_F
 ClientSampleId :
 GRID12-COMP-100318

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.5	17.9	26.9
138	21.4	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 10/8/2018 5:00:59 PM

