

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100518\
 Data File : BF109631.D
 Acq On : 6 Oct 2018 1:45
 Operator : JU/SJ
 Sample : J5263-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID11-COMP-100318

Manual Integrations
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Sohil
 10/8/2018 12:21:47 PM

Quant Time: Oct 06 07:09:23 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	86815	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	338479	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	136509	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	220662	20.00	ng	0.00
75) Chrysene-d12	13.84	240	210964	20.00	ng	0.00
86) Perylene-d12	15.24	264	174031	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	151000	28.65	ng	0.00
7) Phenol-d6	6.35	99	309389	46.00	ng	-0.01
23) Nitrobenzene-d5	7.26	82	198199	34.57	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	109451	81.33	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	397662	43.93	ng	-0.02
78) Terphenyl-d14	12.79	244	404795	47.09	ng	-0.02
Target Compounds						
10) Phenol	6.36	94	15785	2.072	ng	Qvalue # 66
31) Naphthalene	8.00	128	43564	2.754	ng	99
49) Dimethylphthalate	9.45	163	60688	6.112	ng	# 99
51) Acenaphthene	9.76	154	18166	2.242	ng	96
54) Dibenzofuran	9.94	168	27068	2.246	ng	96
57) Fluorene	10.27	166	31770	3.694	ng	97
70) Phenanthrene	11.23	178	339893	30.850	ng	99
71) Anthracene	11.29	178	97474	8.723	ng	99
72) Carbazole	11.45	167	41275	3.712	ng	97
74) Fluoranthene	12.42	202	462077	39.245	ng	96
77) Pyrene	12.64	202	397973	26.322	ng	99
80) Benzo(a)anthracene	13.83	228	252422	19.865	ng	97
82) Chrysene	13.86	228	206696	16.412	ng	96
85) Indeno(1,2,3-cd)pyrene	16.59	276	72700m	7.121	ng	
87) Benzo(b)fluoranthene	14.84	252	199234m	20.834	ng	
88) Benzo(k)fluoranthene	14.86	252	97358m	10.729	ng	
89) Benzo(a)pyrene	15.18	252	151540	17.586	ng	97
90) Dibenzo(a,h)anthracene	16.59	278	20361	2.880	ng	# 91
91) Benzo(a,h,i)perylene	16.99	276	68249	9.823	ng	# 90

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

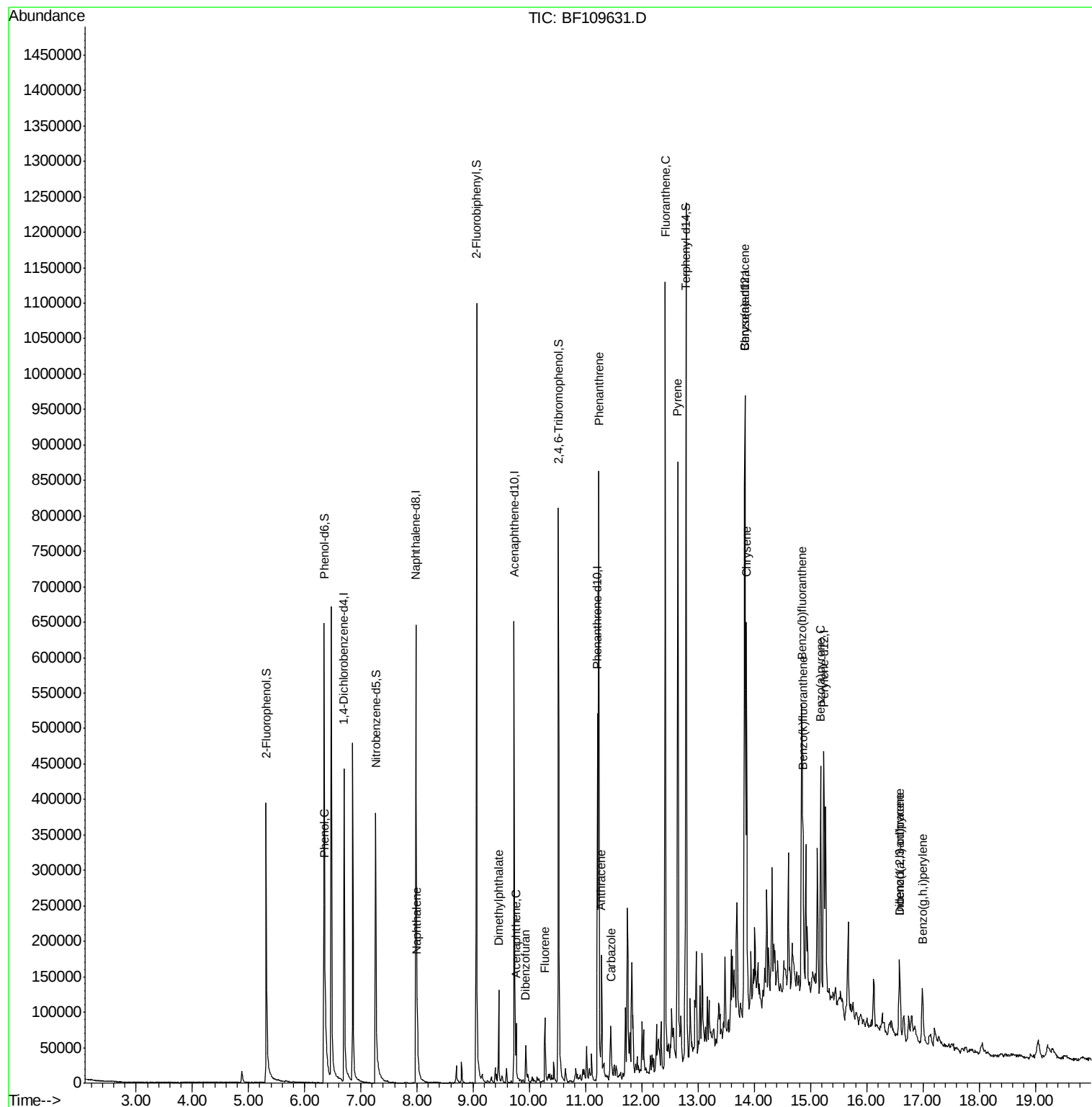
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100518\
Data File : BF109631.D
Acq On : 6 Oct 2018 1:45
Operator : JU/SJ
Sample : J5263-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

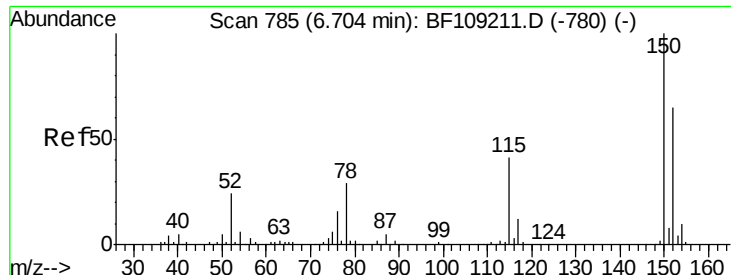
Instrument :
BNA_F
ClientSampleId :
GRID11-COMP-100318

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 22 13:32:18 2018
Response via : Initial Calibration





#1

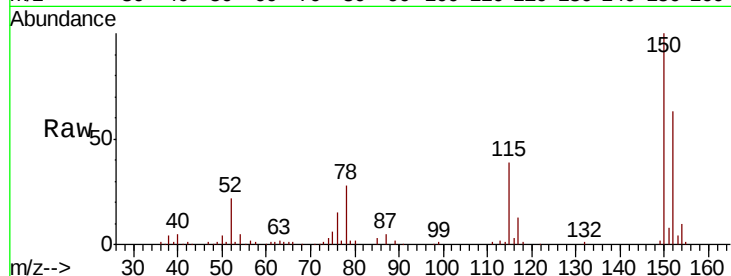
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

Instrument :
BNA_F
ClientSampleId :
GRID11-COMP-100318

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	124.6	186.8
115	62.3	50.1	75.1

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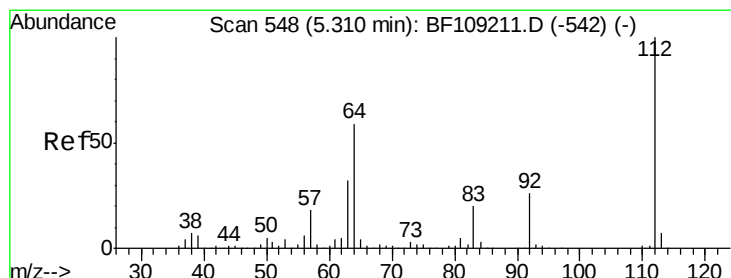
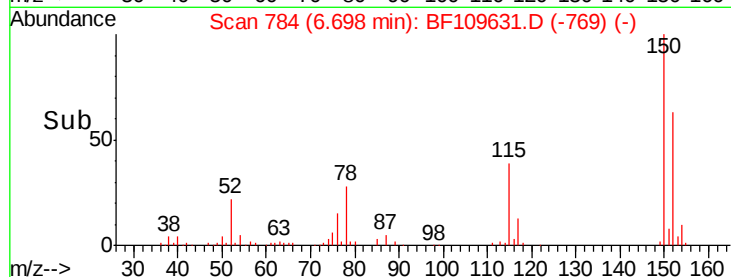
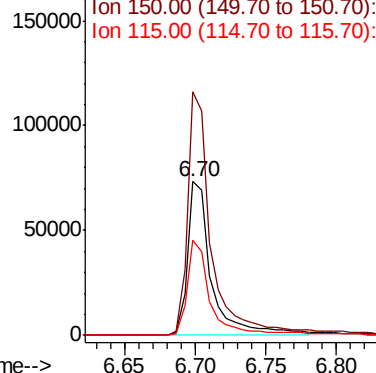


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

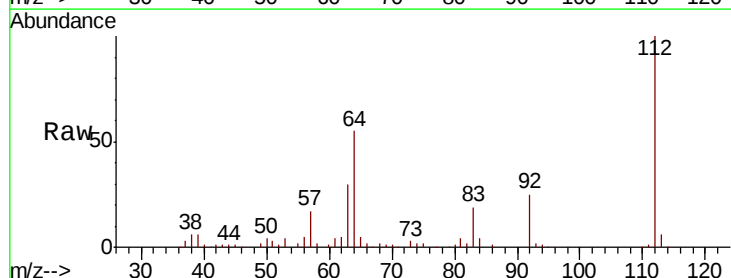
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 28.648 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	47.9	71.9
63	29.9	23.7	35.5

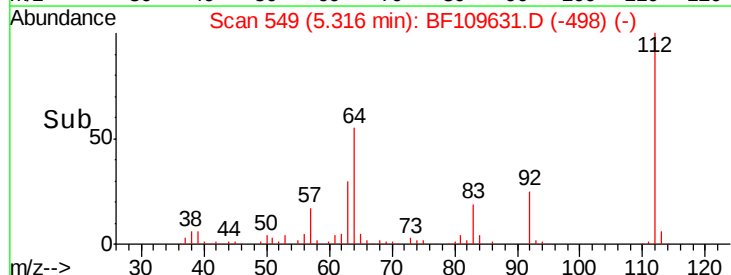
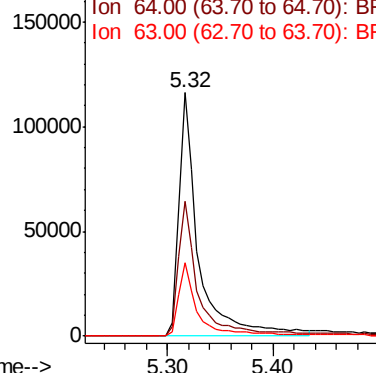


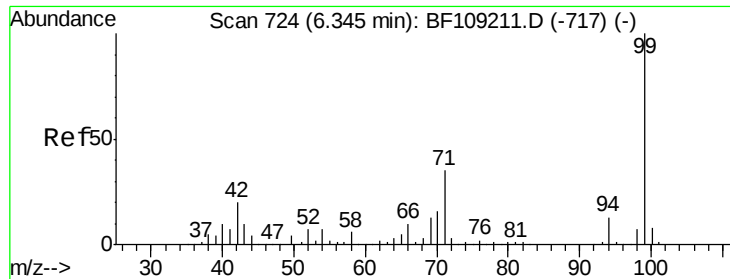
Abundance

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: 46.000 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

Instrument :

BNA_F

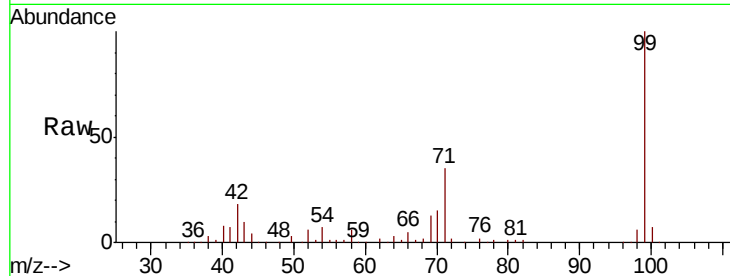
ClientSampleId :

GRID11-COMP-100318

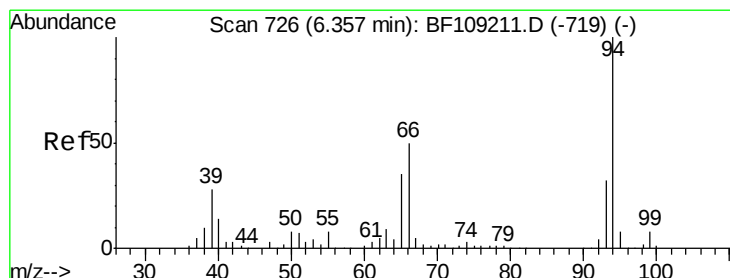
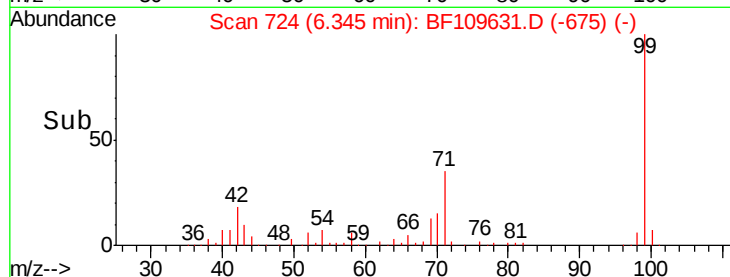
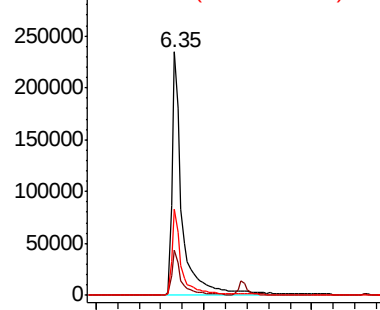
Tot Ion:	99	Resp:	309389
Ion Ratio	Lower	Upper	
99	100		
42	18.3	14.5	21.7
71	35.2	25.4	38.0

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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



#10

Phenol

Concen: 2.072 ng

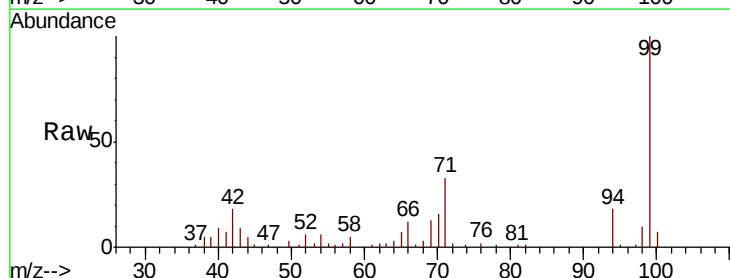
RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

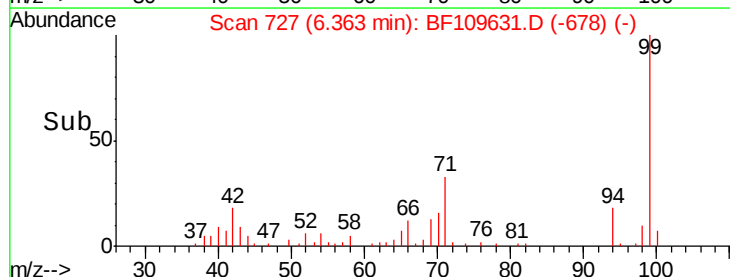
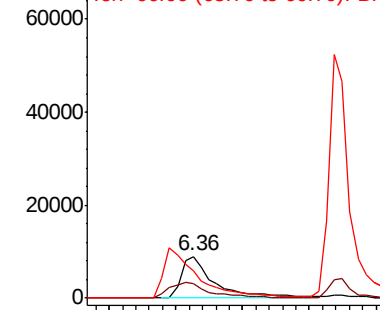
Lab File: BF109631.D

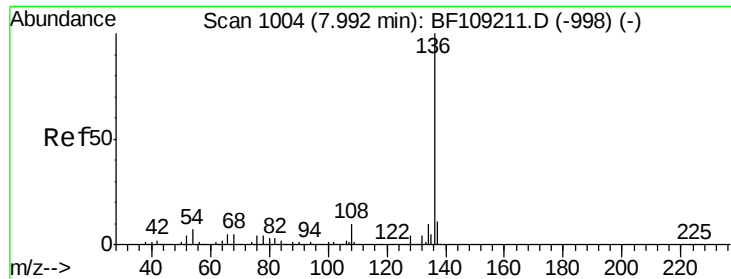
Acq: 6 Oct 2018 1:45

Tgt Ion:	94	Resp:	15785
Ion Ratio	Lower	Upper	
94	100		
65	35.8	7.9	47.9
66	64.5	16.2	56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





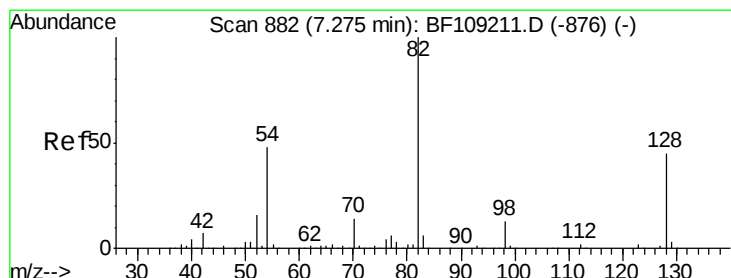
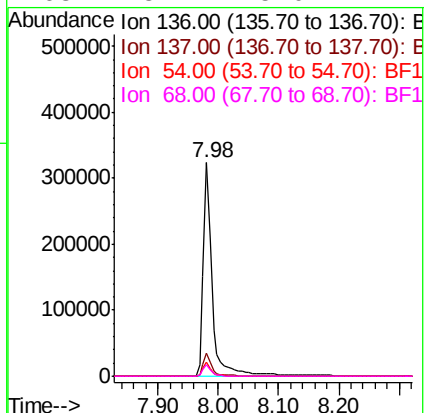
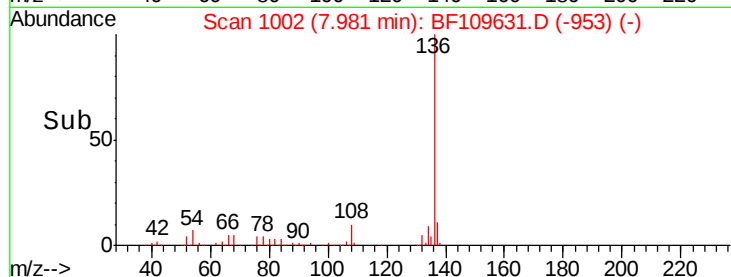
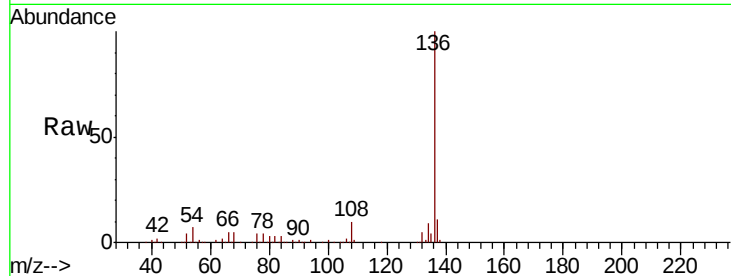
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

Instrument :
BNA_F
ClientSampleId :
GRID11-COMP-100318

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	11.0		8.9	13.3	
54	6.9		6.6	9.8	
68	5.4		5.0	7.4	

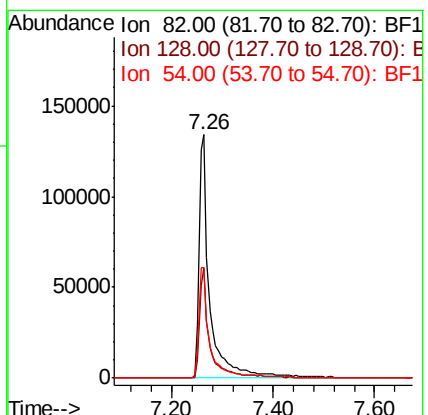
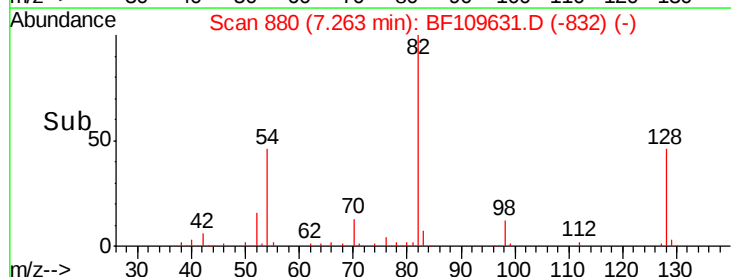
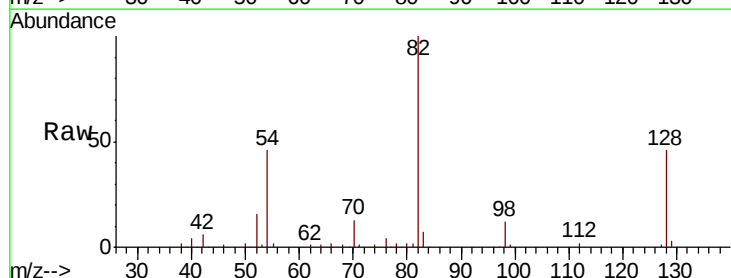
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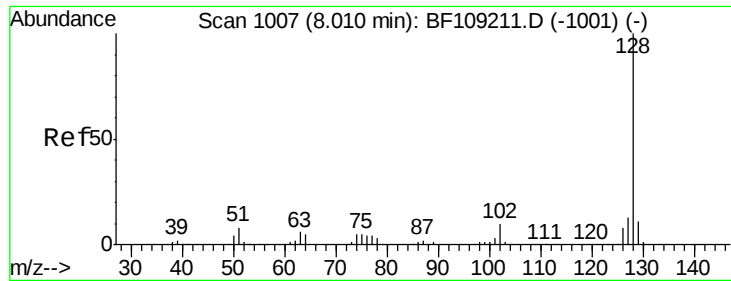
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#23
Nitrobenzene-d5
Concen: 34.566 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	45.6		36.1	54.1	
54	45.5		41.4	62.2	





#31

Naphthalene

Concen: 2.754 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

Instrument :

BNA_F

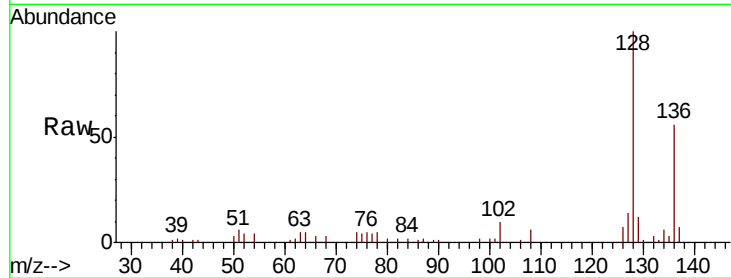
ClientSampleId :

GRID11-COMP-100318

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.8	13.2
127	13.6	10.9	16.3

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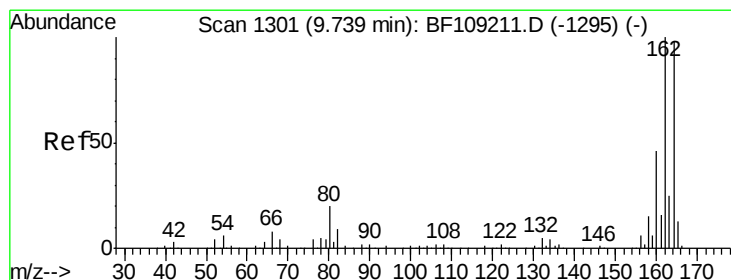
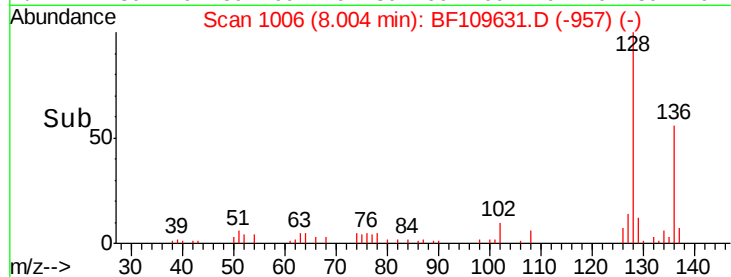
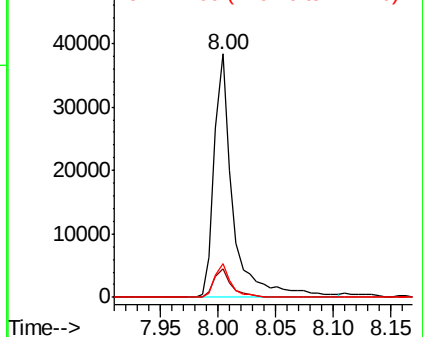


Abundance

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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

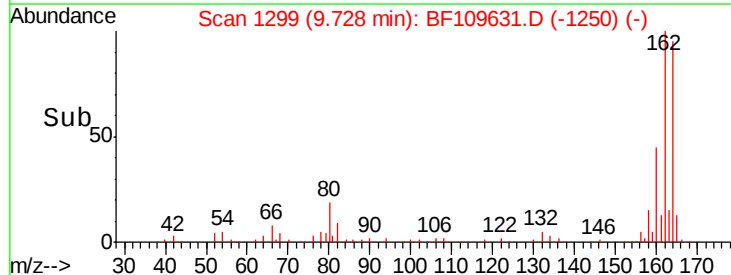
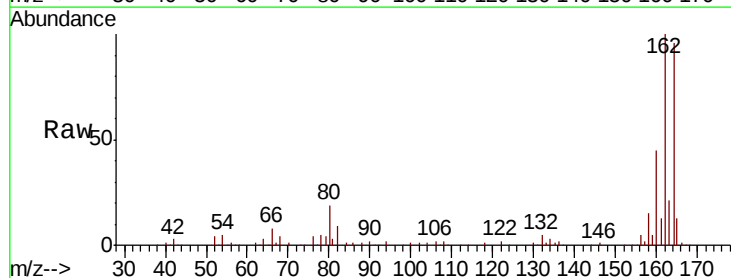
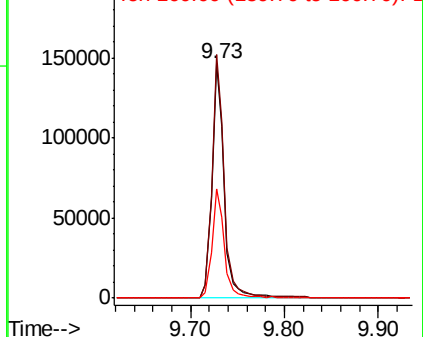
Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	86.1	129.1
160	46.4	38.3	57.5

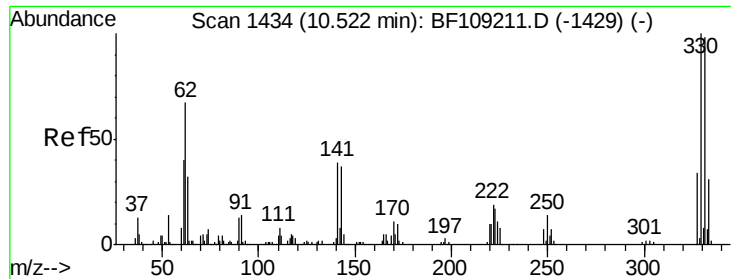
Abundance

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





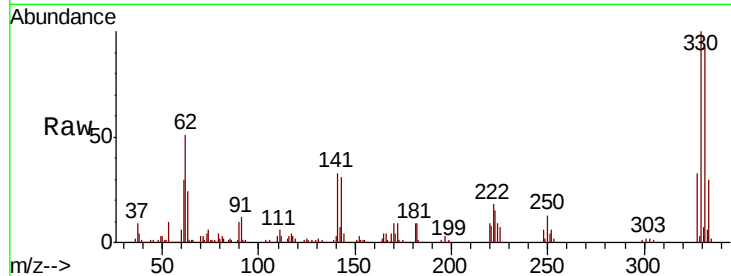
#41
 2,4,6-Tribromophenol
 Concen: 81.334 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF109631.D
 Acq: 6 Oct 2018 1:45

Instrument :
 BNA_F
 ClientSampleId :
 GRID11-COMP-100318

Tot Ion	Ratio	Resp	Lower	Upper
330	100	109451		
332	95.0	77.0	115.6	
141	34.6	29.9	44.9	

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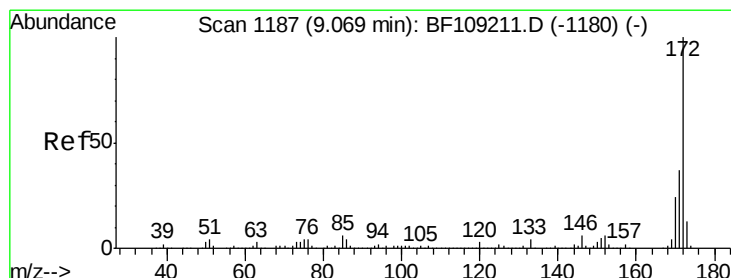
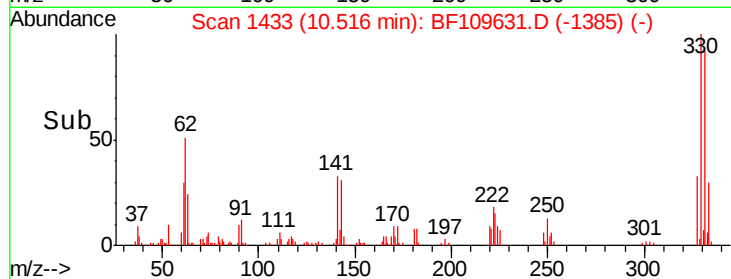
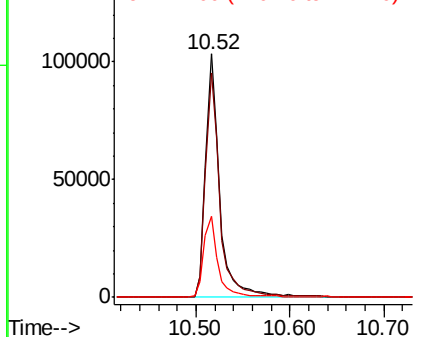


Abundance

Ion 329.80 (329.50 to 330.50): E

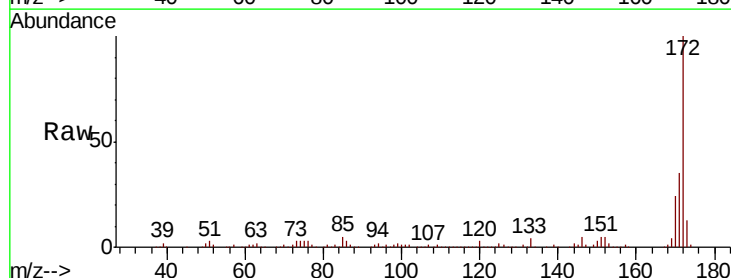
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 43.935 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF109631.D
 Acq: 6 Oct 2018 1:45

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	397662		
171	34.6	29.7	44.5	
170	23.5	19.6	29.4	

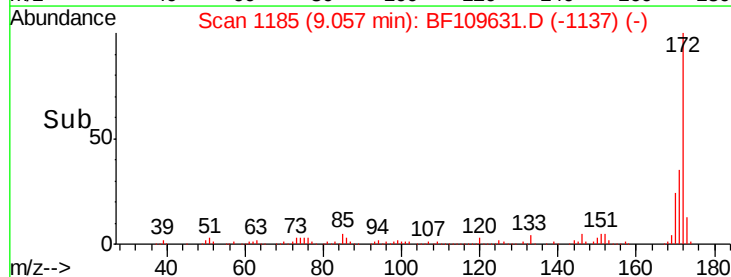
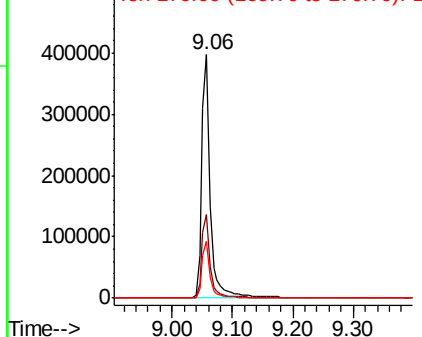


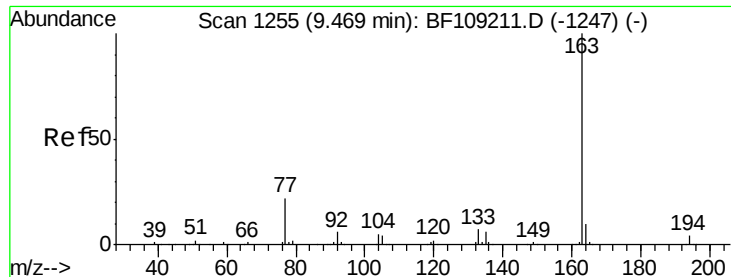
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





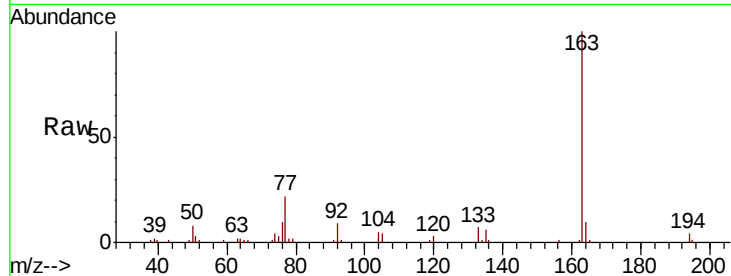
#49
Dimethylphthalate
Concen: 6.112 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.03 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

Instrument :
BNA_F
ClientSampleId :
GRID11-COMP-100318

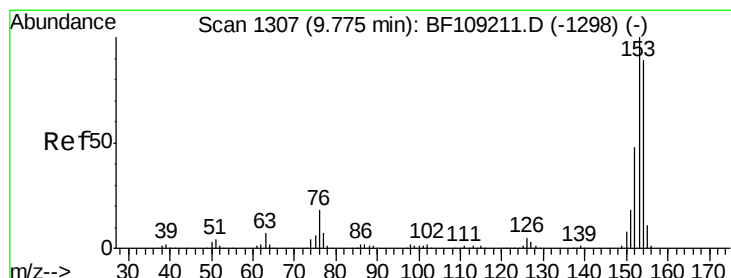
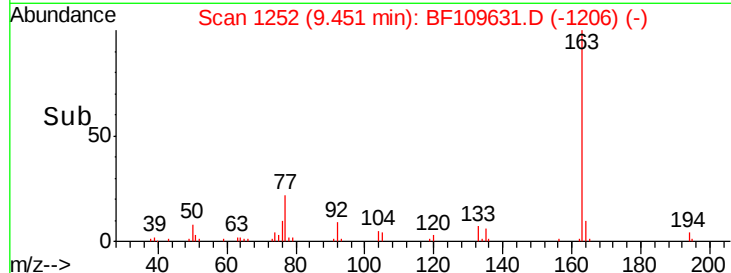
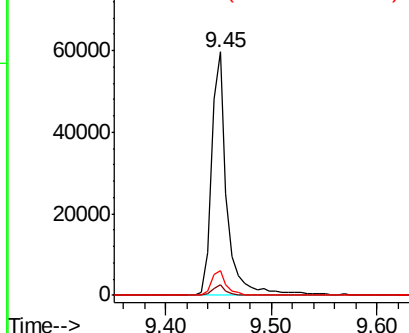
Tot Ion	Ratio	Resp	Lower	Upper
163	100	60688		
194	4.2		2.7	4.1#
164	9.9		8.2	12.2

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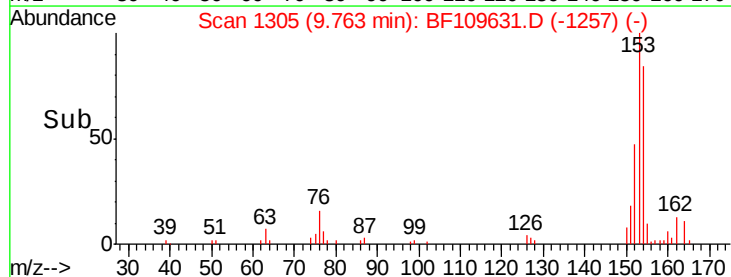
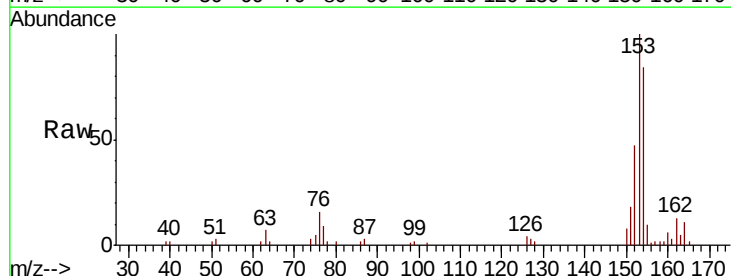
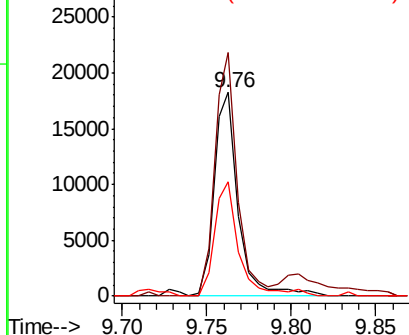
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

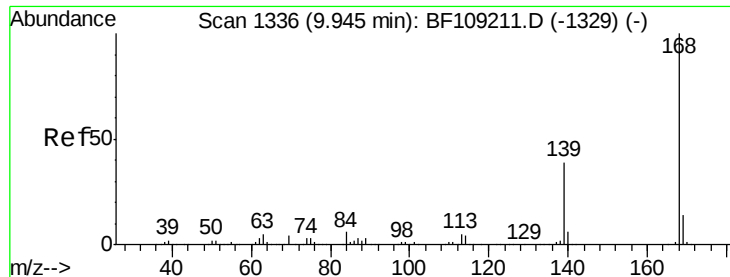


#51
Acenaphthene
Concen: 2.242 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.02 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	18166		
153	119.6		91.2	136.8
152	56.3		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





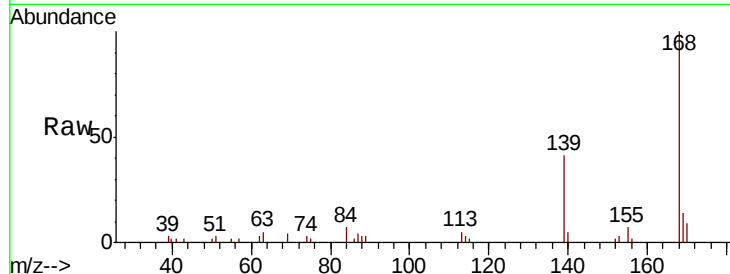
#54
Dibenzenofuran
Concen: 2.246 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

Instrument :
BNA_F
ClientSampleId :
GRID11-COMP-100318

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.1	30.1	45.1
169	13.7	10.9	16.3

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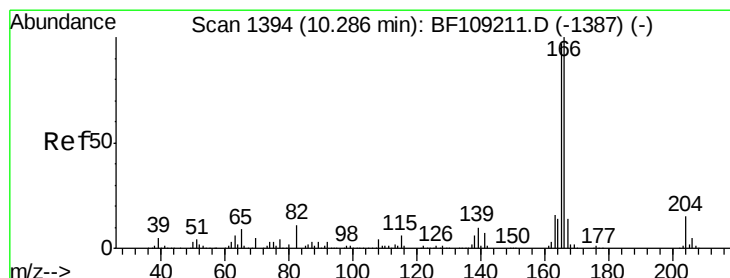
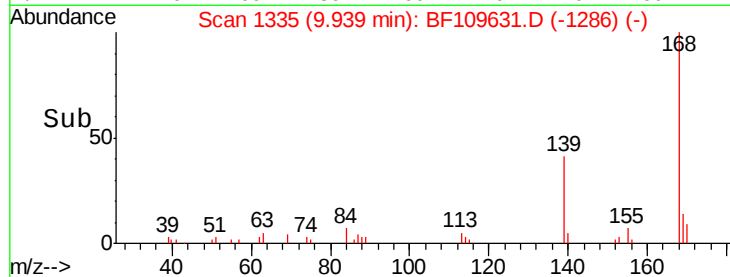
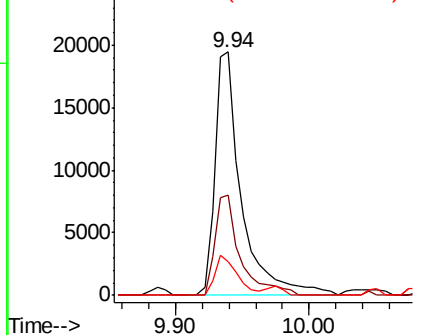


Abundance

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: 3.694 ng
RT: 10.27 min Scan# 1392
Delta R.T. -0.02 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

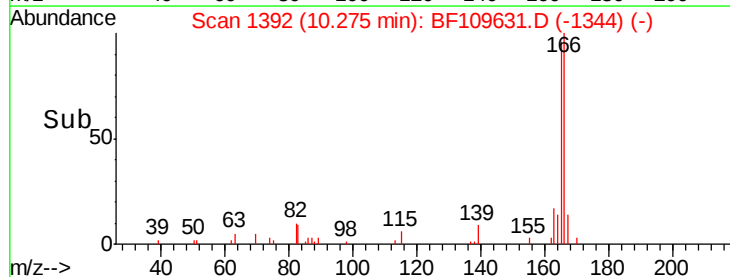
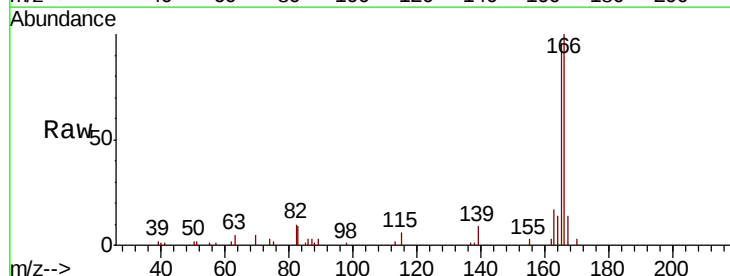
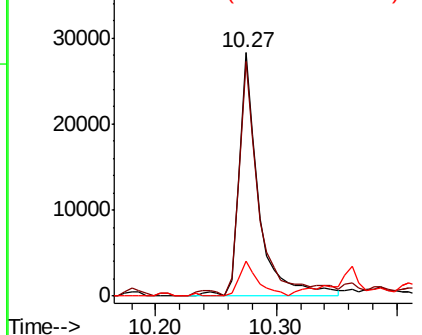
Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.2	79.8	119.8
167	14.2	10.6	16.0

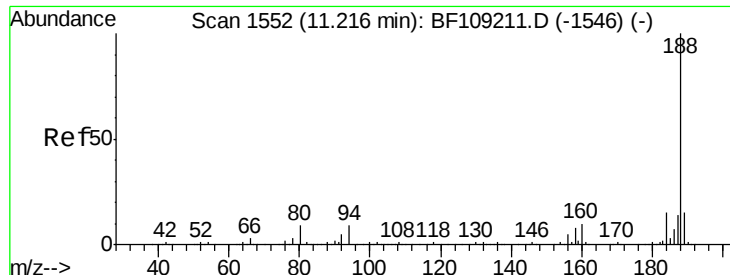
Abundance

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





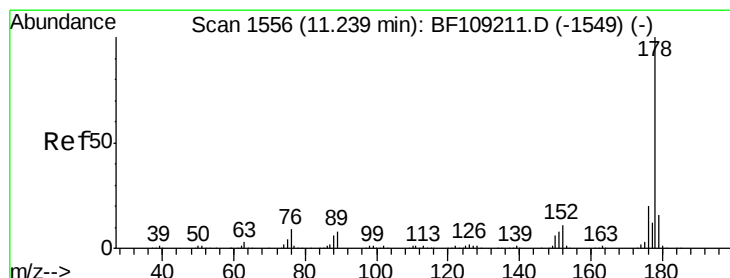
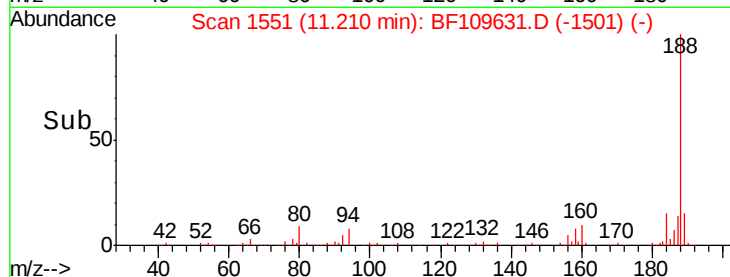
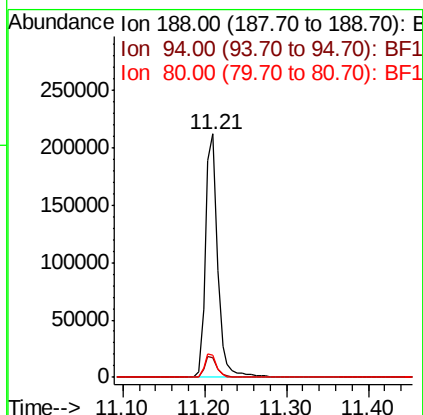
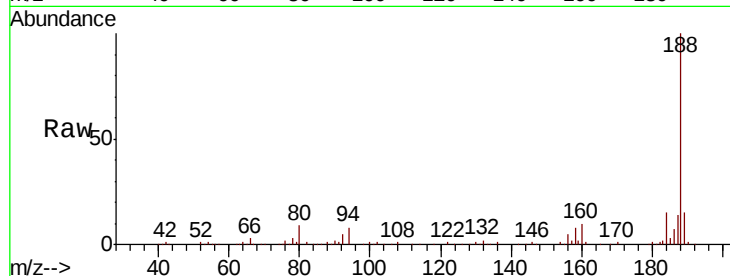
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

Instrument :
BNA_F
ClientSampleId :
GRID11-COMP-100318

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.2	8.5	12.7#
80	9.2	9.2	13.8#

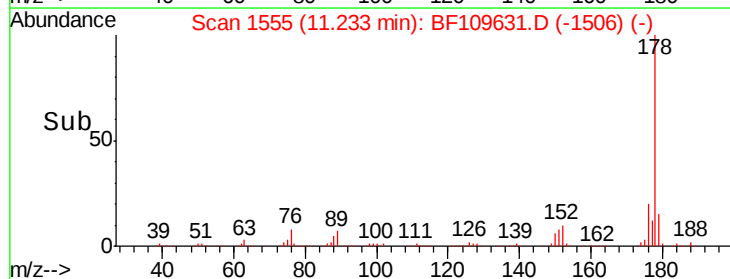
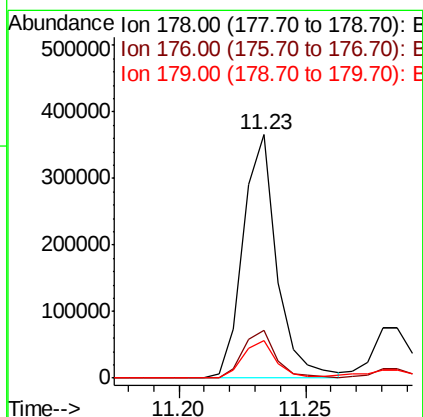
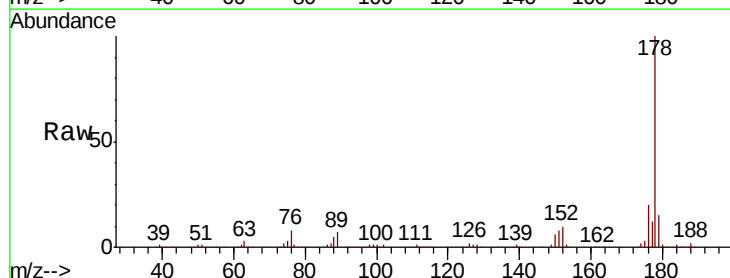
Manual Integrations
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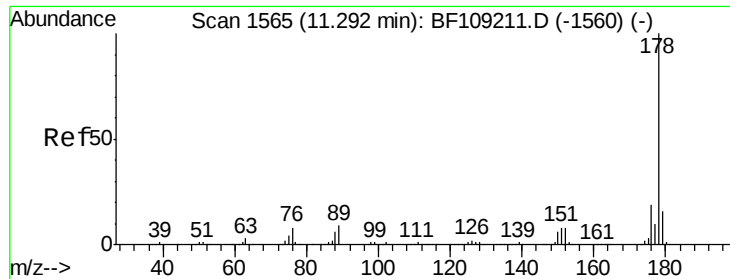
Sohil
10/8/2018 12:21:47 PM



#70
Phenanthrene
Concen: 30.850 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.2	13.0	19.6





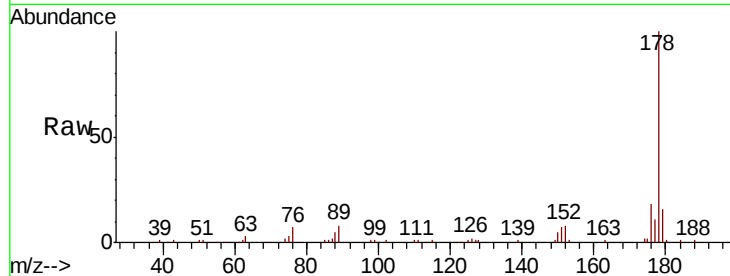
#71
 Anthracene
 Concen: 8.723 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF109631.D
 Acq: 6 Oct 2018 1:45

Instrument :
 BNA_F
 ClientSampleId :
 GRID11-COMP-100318

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.8	12.6	19.0

Manual Integrations
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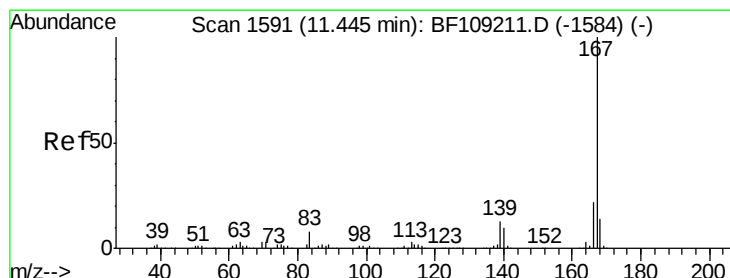
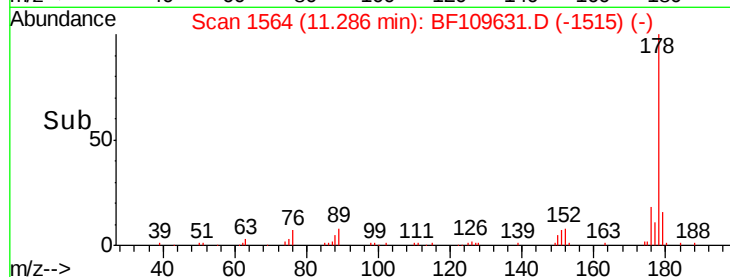
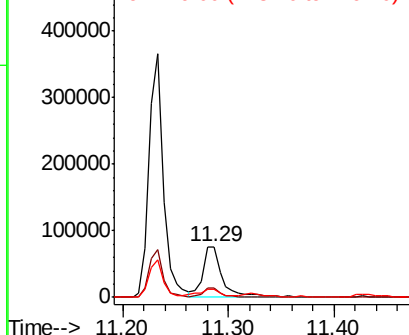


Abundance

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



#72
 Carbazole
 Concen: 3.712 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: BF109631.D
 Acq: 6 Oct 2018 1:45

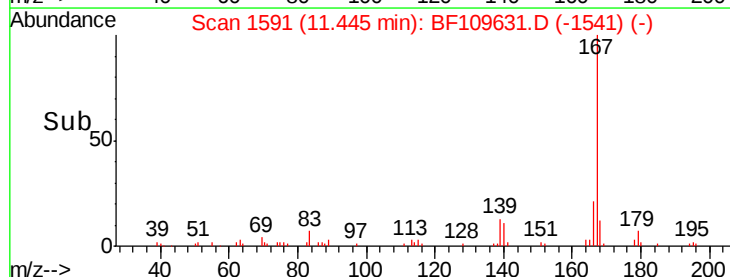
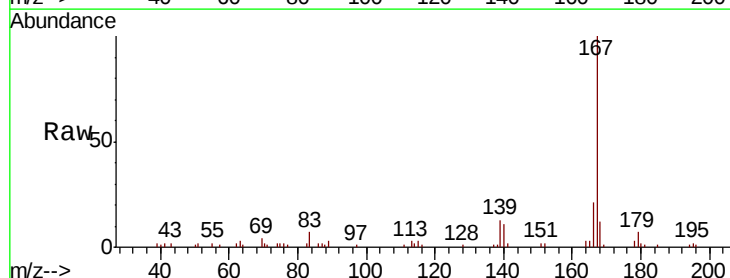
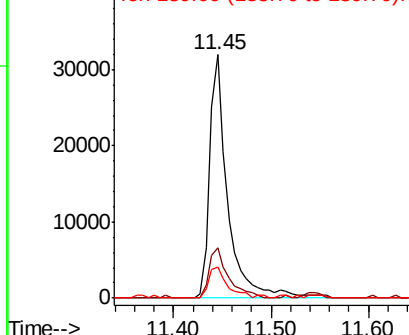
Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.5	17.6	26.4
139	12.8	10.9	16.3

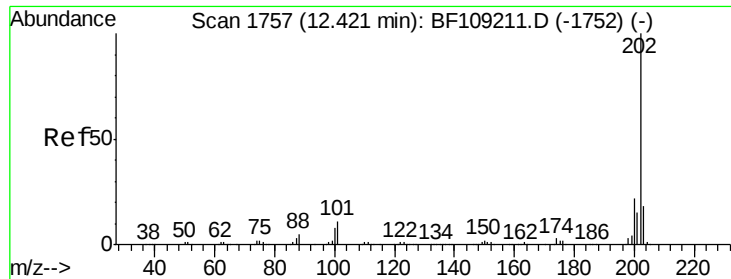
Abundance

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





#74

Fluoranthene

Concen: 39.245 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

Instrument :

BNA_F

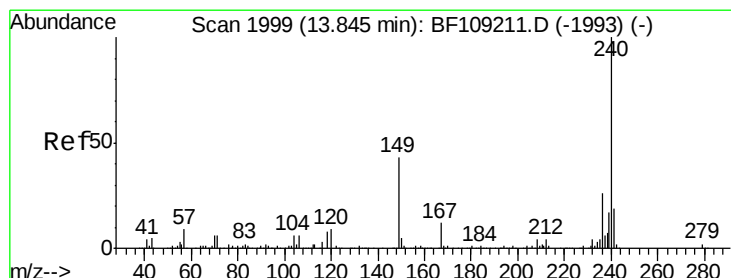
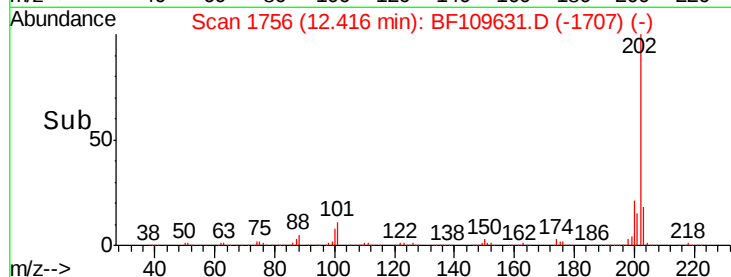
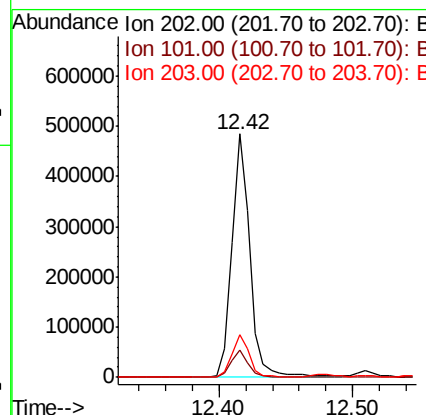
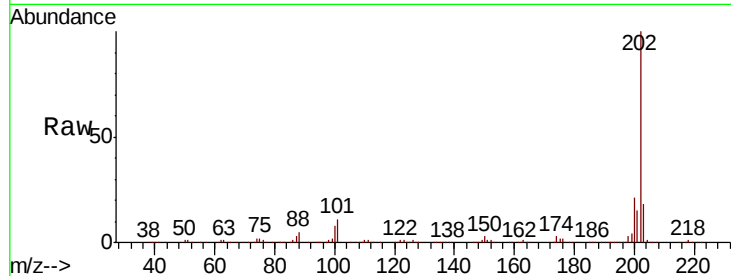
ClientSampleId :

GRID11-COMP-100318

Tot Ion:	202	Resp:	462077
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	34.1
203	17.7	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

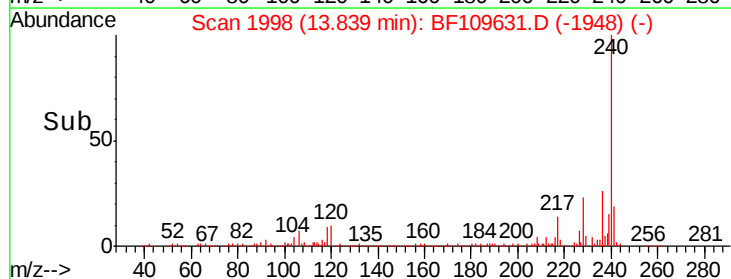
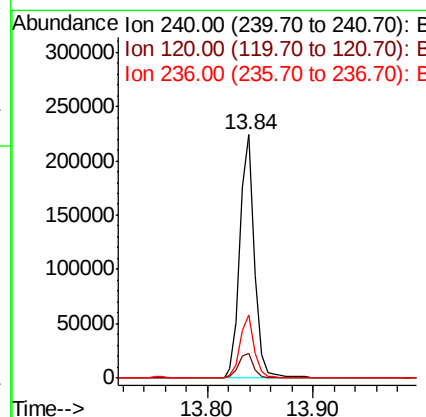
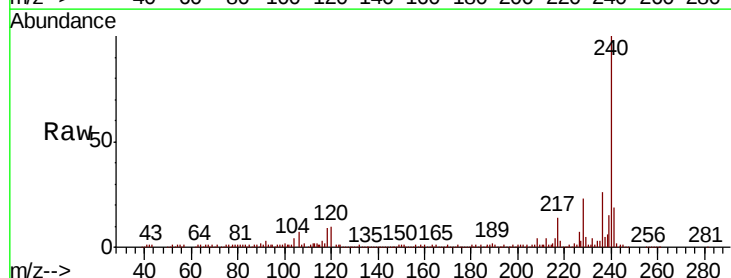
RT: 13.84 min Scan# 1998

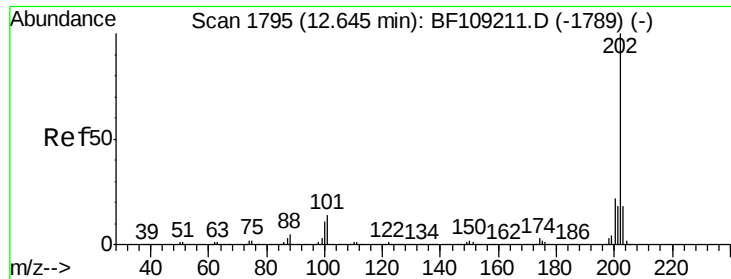
Delta R.T. -0.01 min

Lab File: BF109631.D

Acq: 6 Oct 2018 1:45

Tgt Ion:	240	Resp:	210964
Ion Ratio	Lower	Upper	
240	100		
120	10.2	9.5	14.3
236	25.7	20.7	31.1





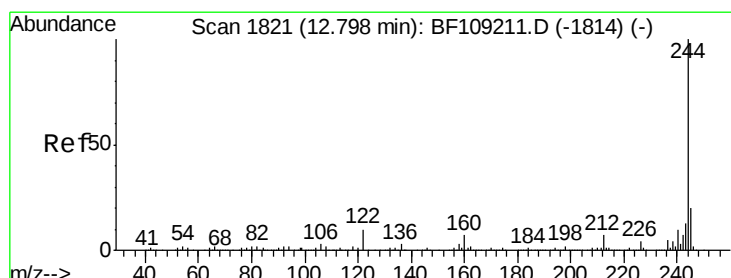
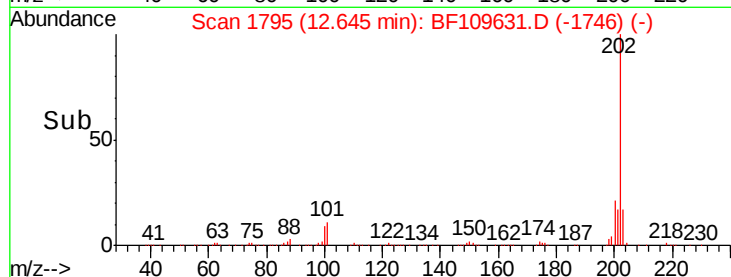
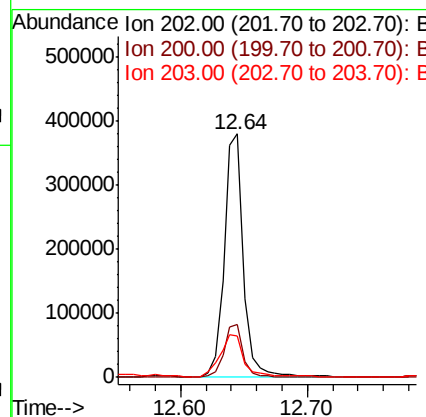
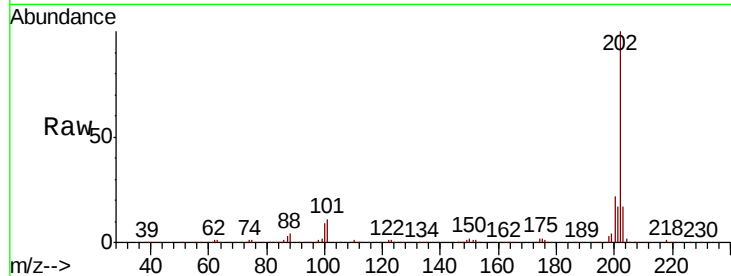
#77
Pvrene
Concen: 26.322 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

Instrument :
BNA_F
ClientSampleId :
GRID11-COMP-100318

Tot Ion	Ratio	Resp	Lower	Upper
202	100	397973		
200	21.6		17.4	26.2
203	17.2		14.3	21.5

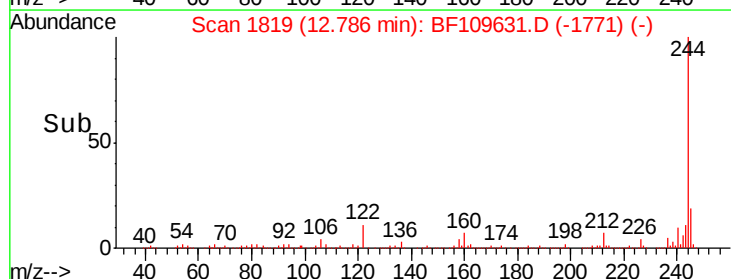
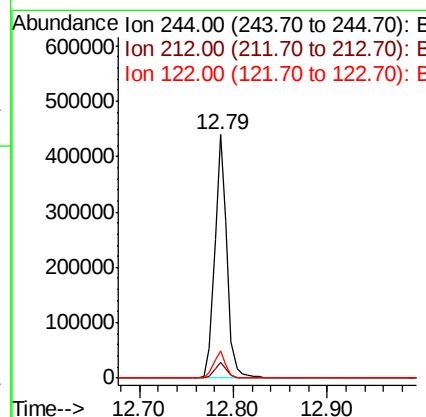
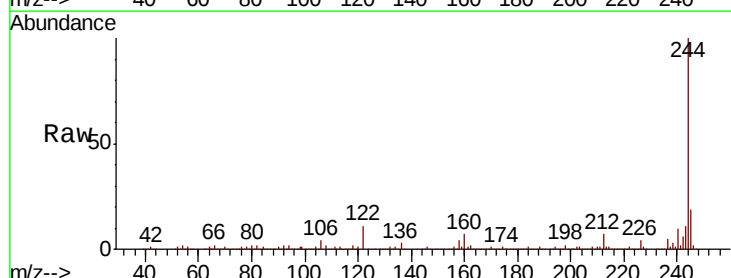
Manual Integrations
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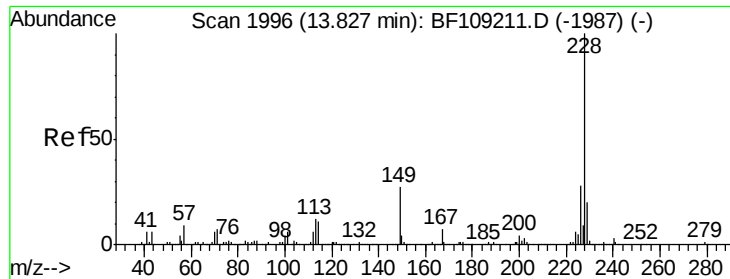
Sohil
10/8/2018 12:21:47 PM



#78
Terphenyl-d14
Concen: 47.090 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.02 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	404795		
212	6.7		5.4	8.0
122	11.0		11.0	16.4





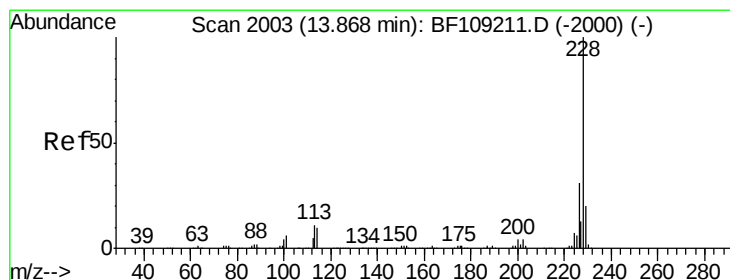
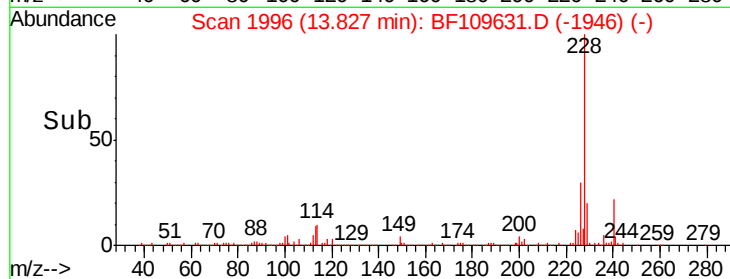
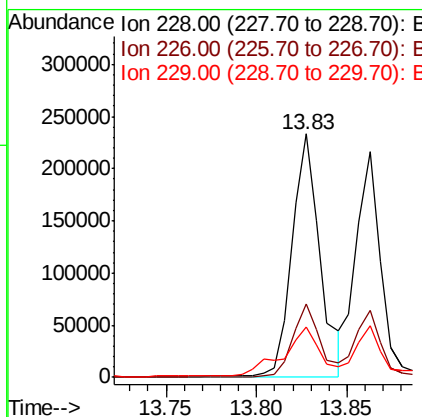
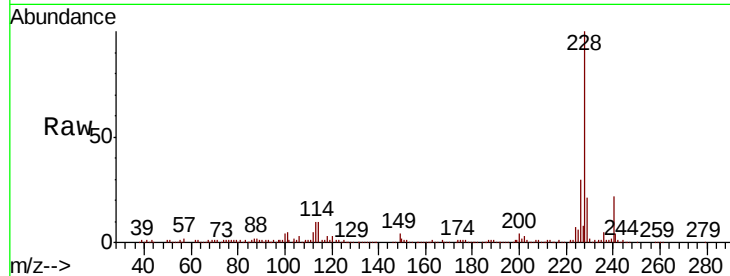
#80
Benzo(a)anthracene
Concen: 19.865 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

Instrument :
BNA_F
ClientSampleId :
GRID11-COMP-100318

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	20.6	15.8	23.6

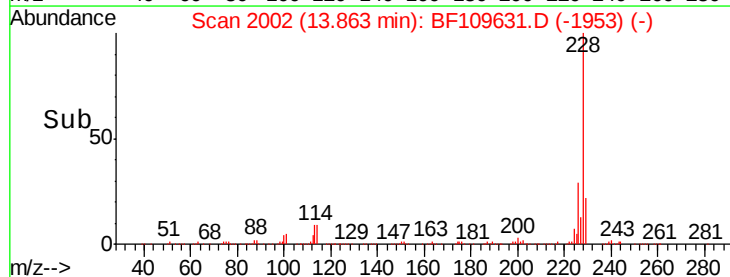
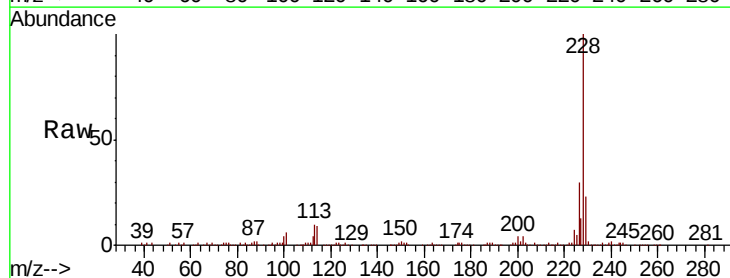
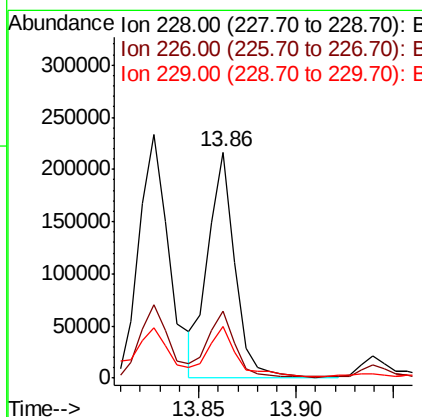
Manual Integrations
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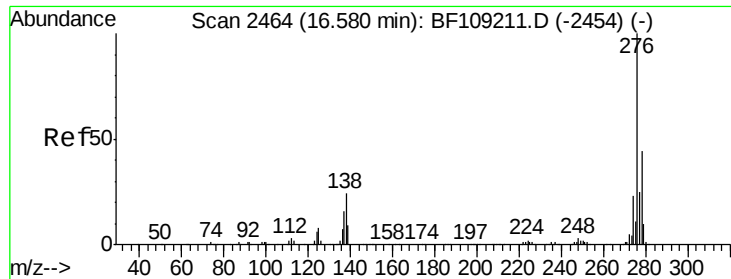
Sohil
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#82
Chrysene
Concen: 16.412 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	22.7	16.2	24.4





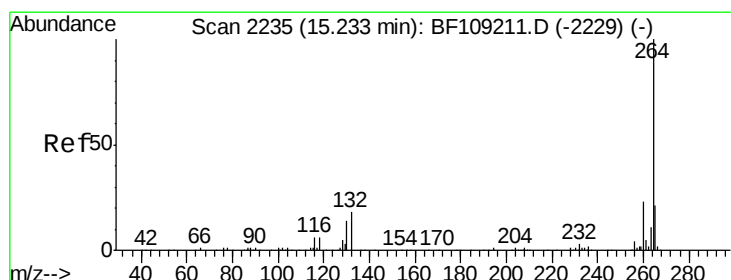
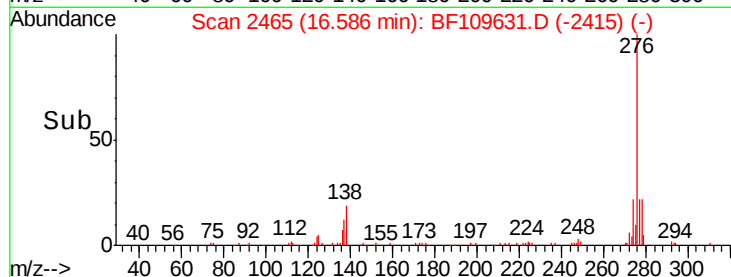
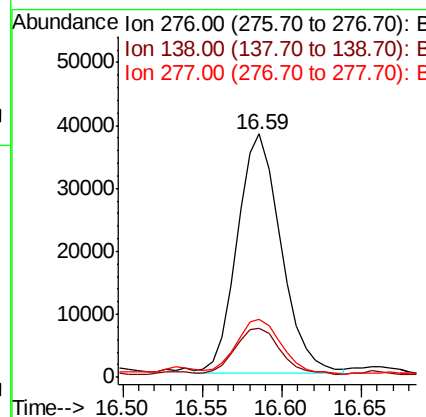
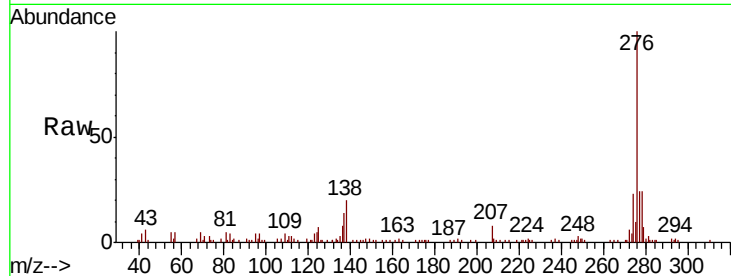
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.121 ng/ml
RT: 16.59 min Scan# 2465
Delta R.T. -0.01 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

Instrument :
BNA_F
ClientSampleID :
GRID11-COMP-100318

Tot Ion	Ratio	Lower	Upper
276	100		
138	1.1	25.0	37.6#
277	1.1	20.1	30.1#

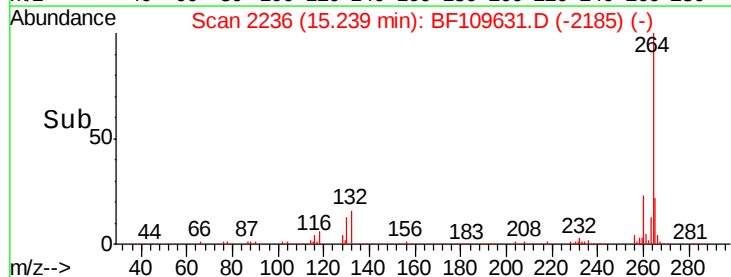
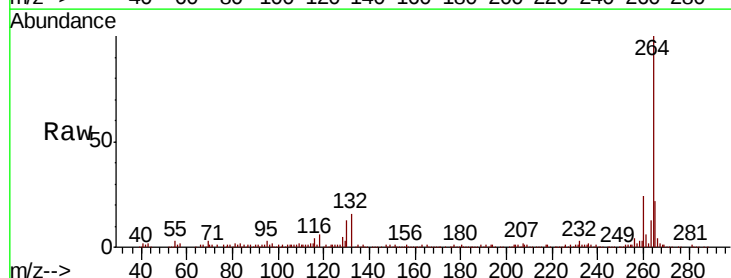
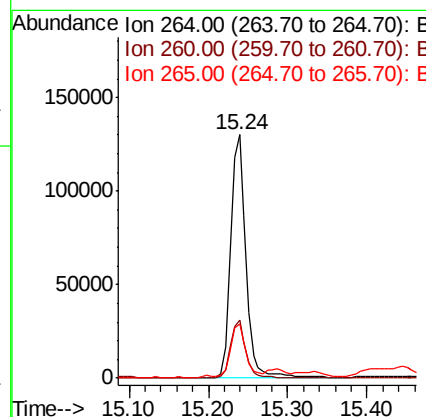
Manual Integrations
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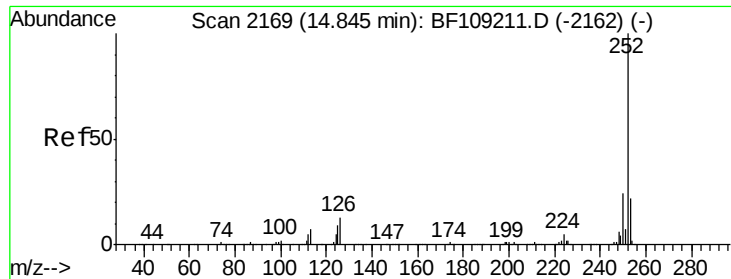
Sohil
10/8/2018 12:21:47 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.4	17.5	26.3





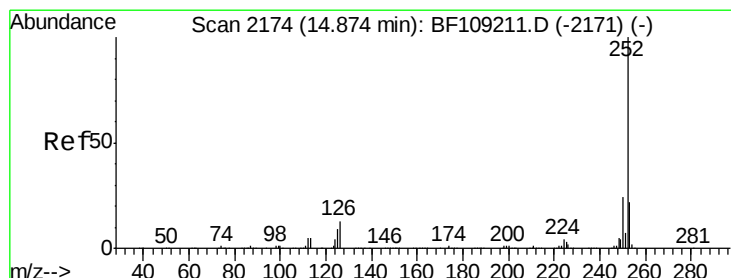
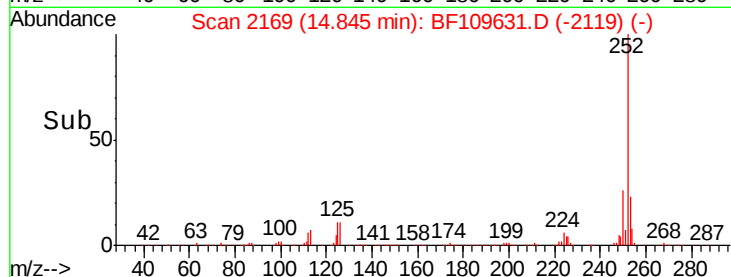
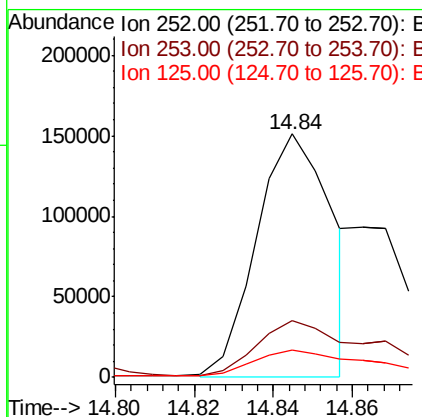
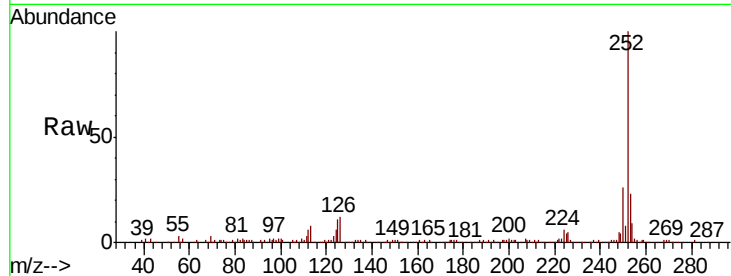
#87
Benzo(b)fluoranthene
Concen: 20.834 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

Instrument :
BNA_F
ClientSampleId :
GRID11-COMP-100318

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	11.4	9.0	13.6

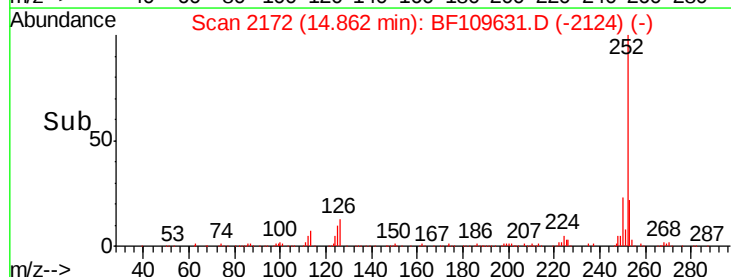
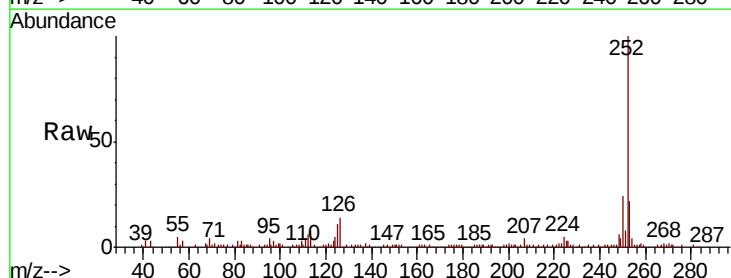
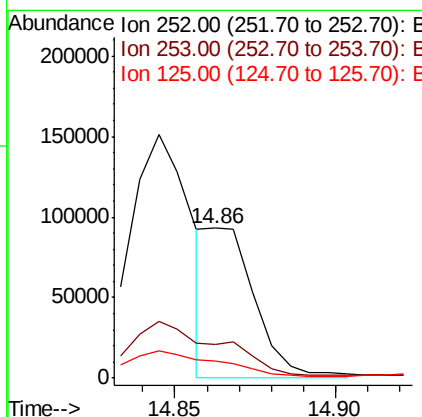
Manual Integrations
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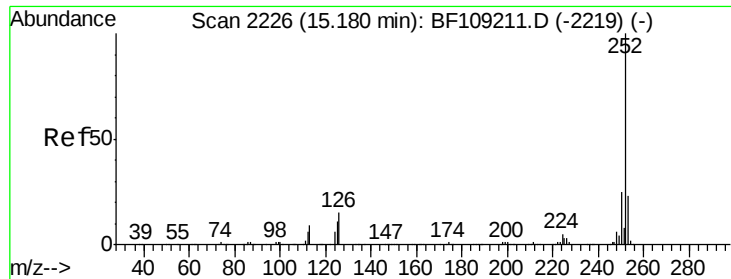
Sohil
10/8/2018 12:21:47 PM



#88
Benzo(k)fluoranthene
Concen: 10.729 ng m
RT: 14.86 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	11.2	10.2	15.2





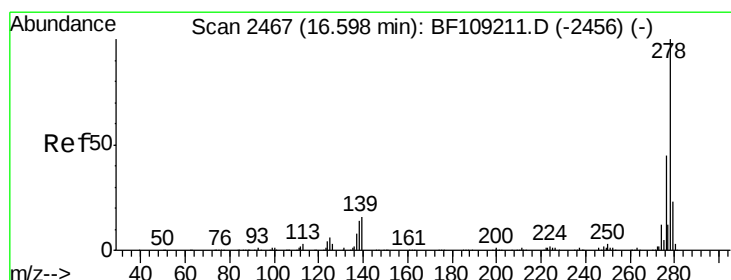
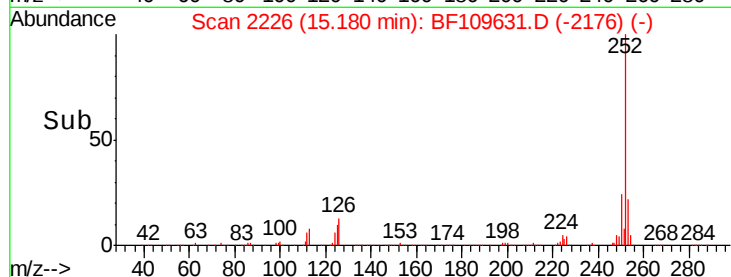
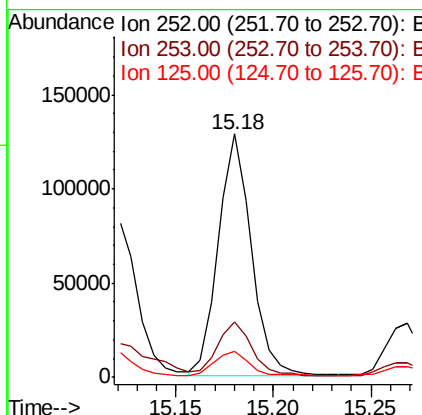
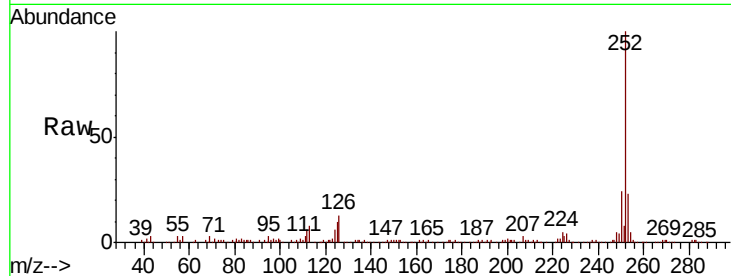
#89
Benzo(a)pyrene
Concen: 17.586 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

Instrument :
BNA_F
ClientSampleId :
GRID11-COMP-100318

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	10.5	9.8	14.6

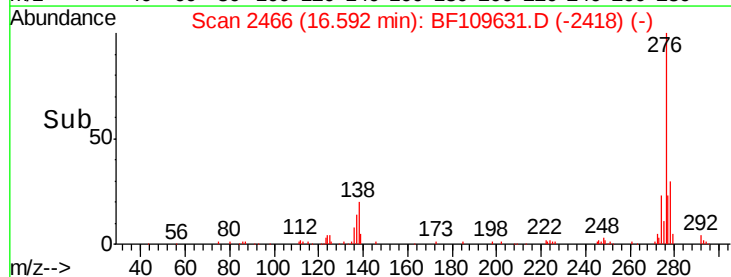
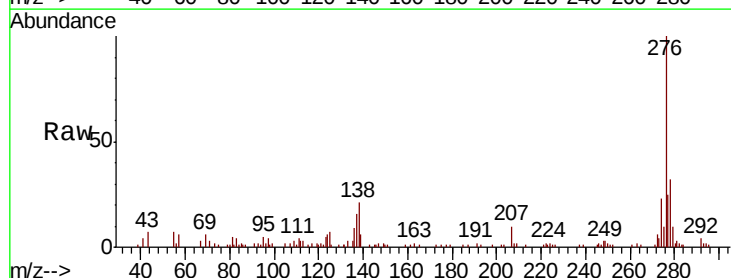
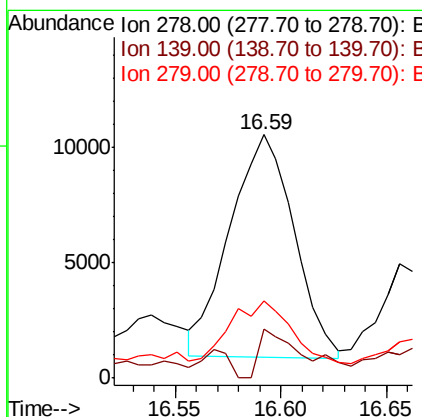
Manual Integrations
APPROVED

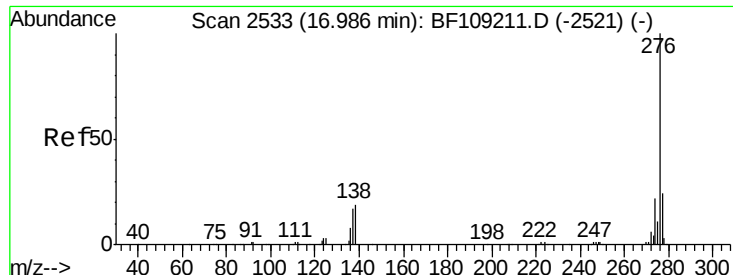
Sohil
10/8/2018 12:21:47 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.880 ng
RT: 16.59 min Scan# 2466
Delta R.T. -0.02 min
Lab File: BF109631.D
Acq: 6 Oct 2018 1:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.9	15.9	23.9
279	31.8	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 9.823 ng
 RT: 16.99 min Scan# 2533
 Delta R.T. -0.01 min
 Lab File: BF109631.D
 Acq: 6 Oct 2018 1:45

Instrument :
 BNA_F
 ClientSampleId :
 GRID11-COMP-100318

Tot Ion:	276	Resp:	68249
Ion Ratio		Lower	Upper
276	100		
277	25.9	17.9	26.9
138	20.5	21.8	32.8#

Manual Integrations
 APPROVED

Sohil
 10/8/2018 12:21:47 PM

