

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100518\
 Data File : BF109628.D
 Acq On : 6 Oct 2018 00:20
 Operator : JU/SJ
 Sample : J5263-04 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID13-COMP-100318

Manual Integrations
 APPROVED

Sohil
 10/8/2018 12:21:41 PM

Quant Time: Oct 06 07:01:24 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	101801	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	416659	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	183537	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	281156	20.00	ng	0.00
75) Chrysene-d12	13.84	240	217952	20.00	ng	0.00
86) Perylene-d12	15.24	264	226448	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	197943	32.03	ng	0.00
7) Phenol-d6	6.35	99	276133	35.01	ng	-0.01
23) Nitrobenzene-d5	7.26	82	178640	25.31	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	51660	28.55	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	290992	23.91	ng	-0.02
78) Terphenyl-d14	12.79	244	187834	21.15	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.00	128	107603	5.527	ng	98
37) 2-Methylnaphthalene	8.69	142	48972	3.902	ng	98
48) Acenaphthylene	9.59	152	86591	4.805	ng	98
49) Dimethylphthalate	9.45	163	36921	2.766	ng	# 99
51) Acenaphthene	9.76	154	35267	3.237	ng	97
54) Dibenzofuran	9.93	168	84911	5.240	ng	# 97
57) Fluorene	10.27	166	106808	9.238	ng	97
70) Phenanthrene	11.23	178	653675	46.564	ng	99
71) Anthracene	11.29	178	296352	20.814	ng	98
72) Carbazole	11.45	167	71315	5.034	ng	99
74) Fluoranthene	12.42	202	760975	50.725	ng	97
77) Pyrene	12.65	202	649343	41.571	ng	99
80) Benzo(a)anthracene	13.83	228	446874	34.040	ng	93
82) Chrysene	13.86	228	357100	27.444	ng	97
85) Indeno(1,2,3-cd)pyrene	16.59	276	107281m	10.172	ng	
87) Benzo(b)fluoranthene	14.84	252	406760m	32.690	ng	
88) Benzo(k)fluoranthene	14.87	252	120688m	10.221	ng	
89) Benzo(a)pyrene	15.18	252	267961	23.899	ng	95
90) Dibenzo(a,h)anthracene	16.59	278	35238	3.831	ng	# 92
91) Benzo(a,h,i)perylene	16.99	276	83585	9.246	ng	# 92

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

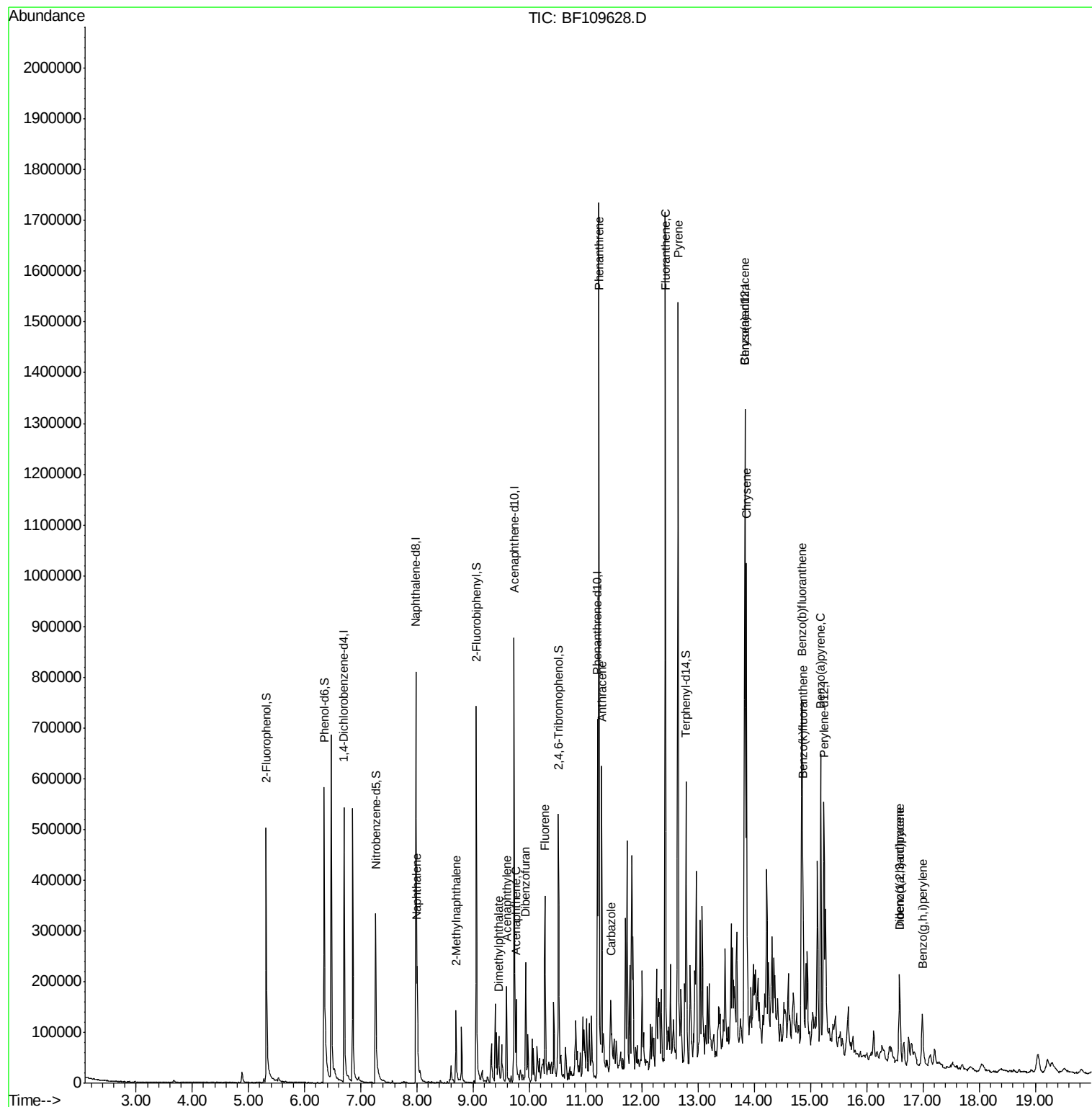
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100518\
Data File : BF109628.D
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Operator : JU/SJ
Sample : J5263-04 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

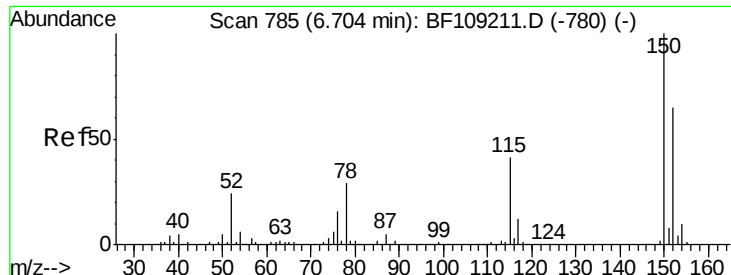
Instrument :
BNA_F
ClientSampleId :
GRID13-COMP-100318

Manual Integrations
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10/8/2018 12:21:41 PM

Quant Time: Oct 06 07:01:24 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





#1

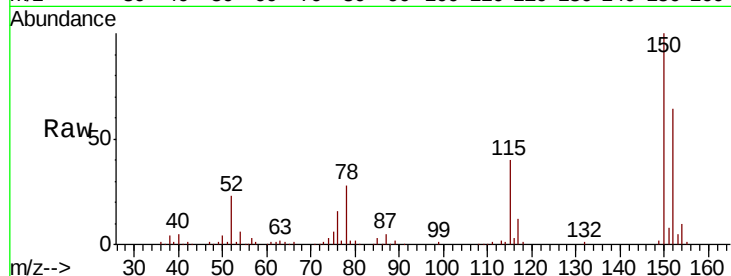
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF109628.D
Acq: 6 Oct 2018 00:20

Instrument :
BNA_F
ClientSampleId :
GRID13-COMP-100318

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.6	186.8
115	62.3	50.1	75.1

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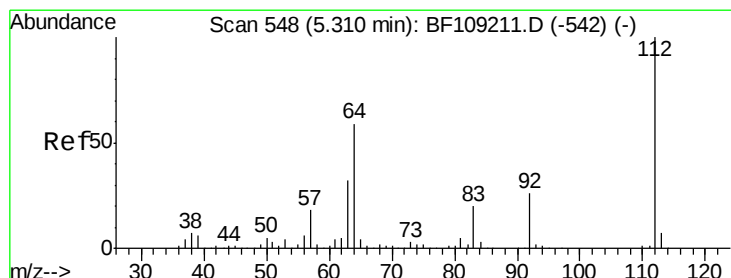
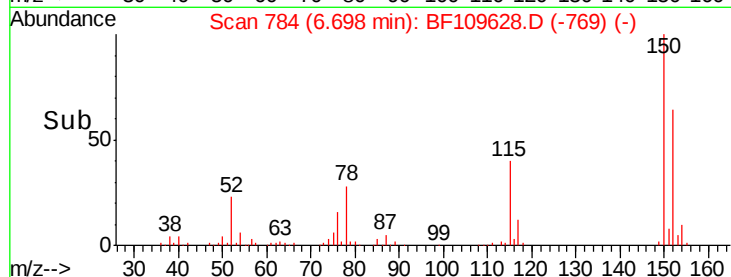
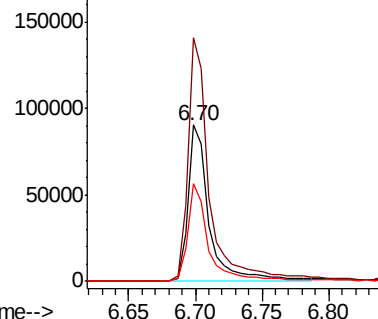


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

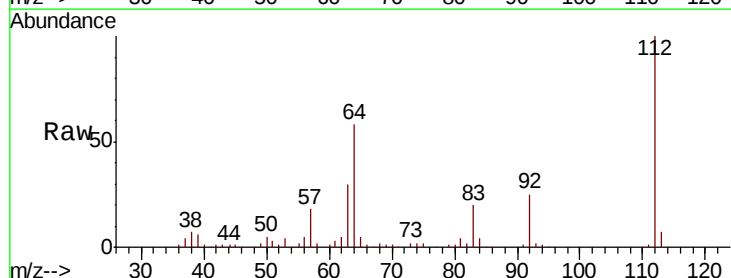
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 32.026 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF109628.D
Acq: 6 Oct 2018 00:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	47.9	71.9
63	29.9	23.7	35.5

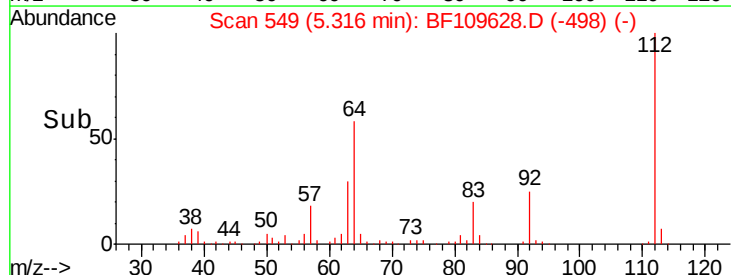
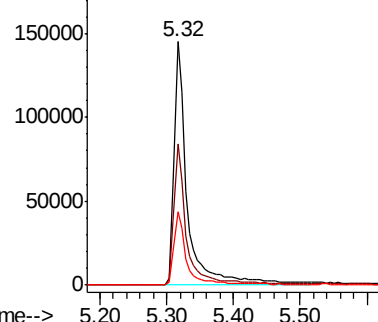


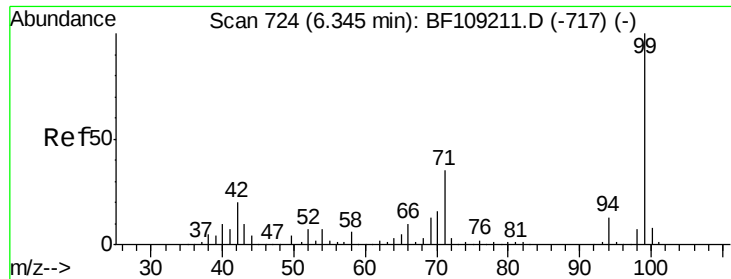
Abundance

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: 35.012 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109628.D

Acq: 6 Oct 2018 00:20

Instrument :

BNA_F

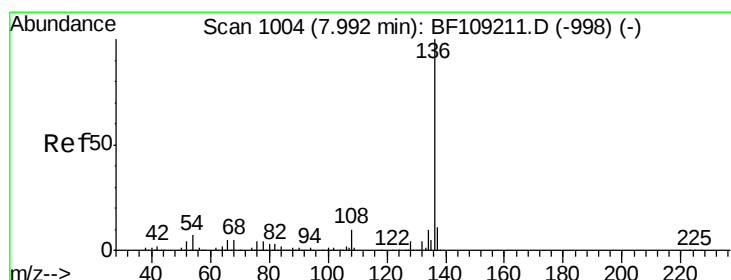
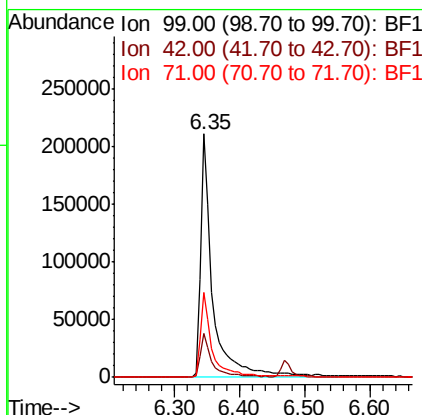
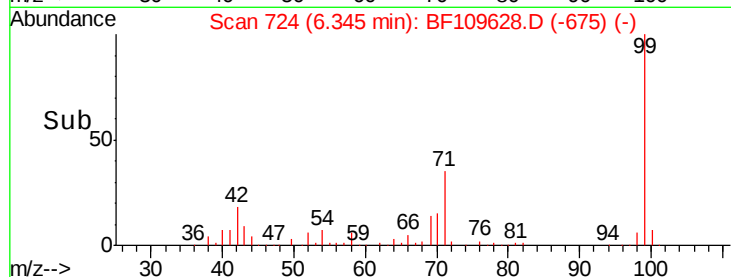
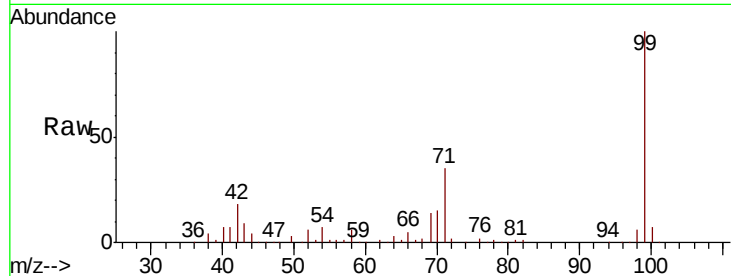
ClientSampleId :

GRID13-COMP-100318

Tot Ion:	99	Resp:	276133
Ion	Ratio	Lower	Upper
99	100		
42	18.1	14.5	21.7
71	34.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

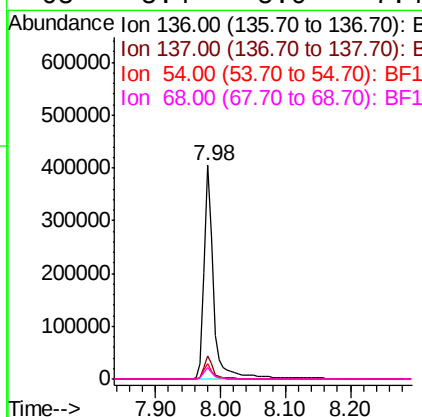
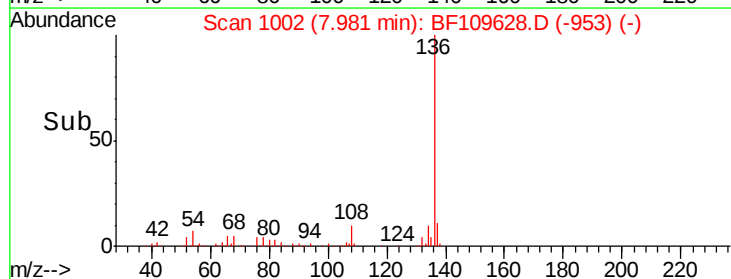
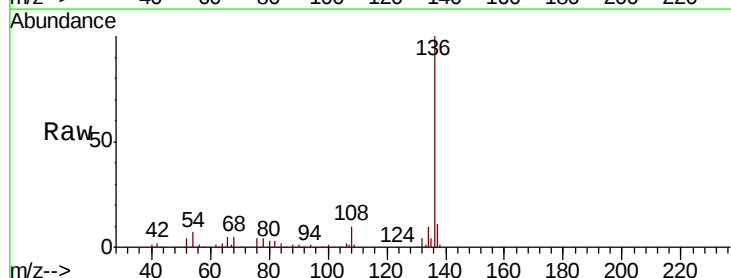
RT: 7.98 min Scan# 1002

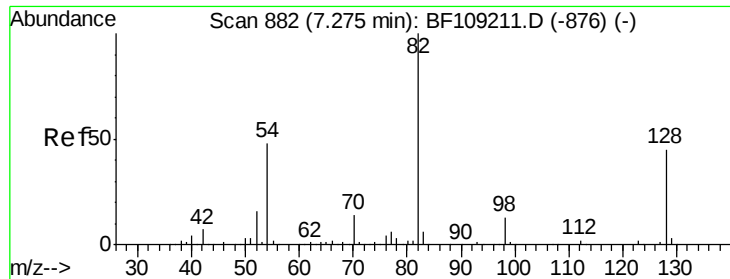
Delta R.T. -0.01 min

Lab File: BF109628.D

Acq: 6 Oct 2018 00:20

Tgt Ion:	136	Resp:	416659
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.1	6.6	9.8
68	5.4	5.0	7.4





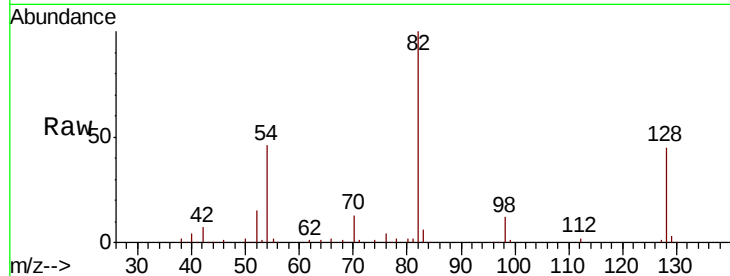
#23
Nitrobenzene-d5
Concen: 25.309 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF109628.D
Acq: 6 Oct 2018 00:20

Instrument :
BNA_F
ClientSampleId :
GRID13-COMP-100318

Tot Ion	82	Resp	178640
Ion Ratio	100	Lower	Upper
82	100		
128	45.2	36.1	54.1
54	45.5	41.4	62.2

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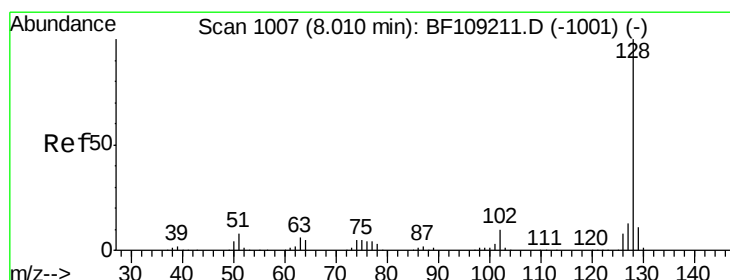
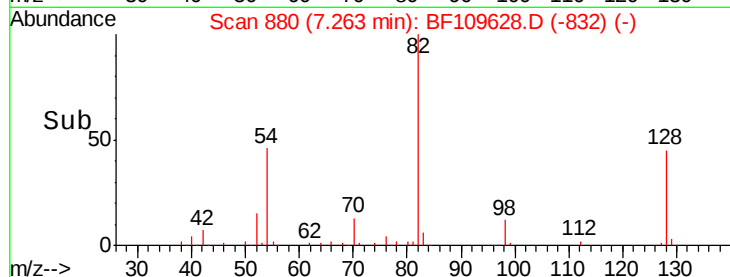
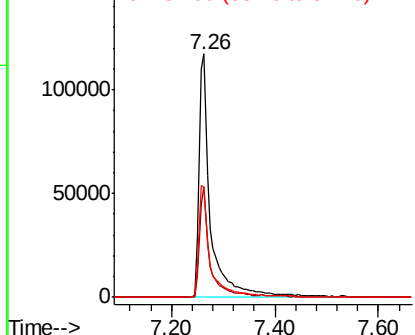


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#31
Naphthalene
Concen: 5.527 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF109628.D
Acq: 6 Oct 2018 00:20

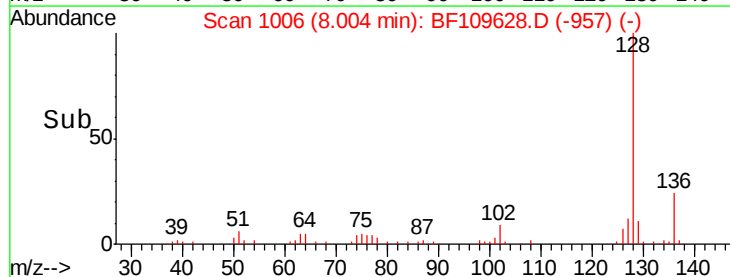
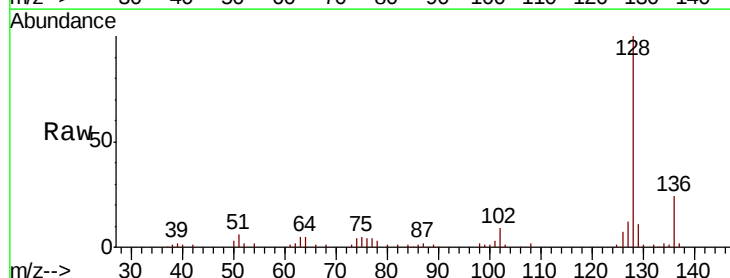
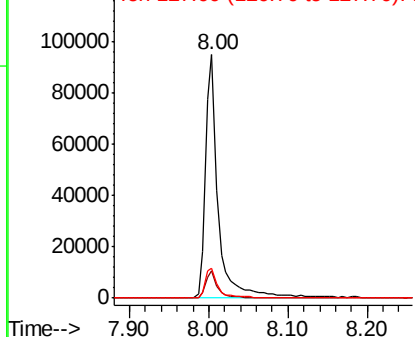
Tgt Ion	128	Resp	107603
Ion Ratio	100	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	12.4	10.9	16.3

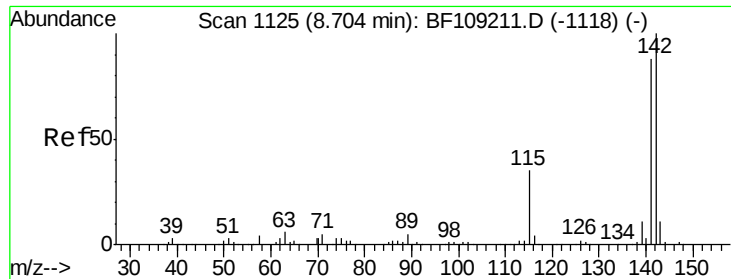
Abundance

Ion 128.00 (127.70 to 128.70): BF1

Ion 129.00 (128.70 to 129.70): BF1

Ion 127.00 (126.70 to 127.70): BF1





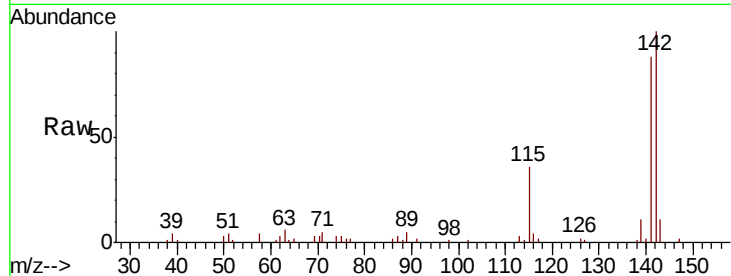
#37
2-Methylnaphthalene
Concen: 3.902 ng
RT: 8.69 min Scan# 1123
Delta R.T. -0.01 min
Lab File: BF109628.D
Acq: 6 Oct 2018 00:20

Instrument :
BNA_F
ClientSampleId :
GRID13-COMP-100318

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.8	106.2
115	36.3	26.1	39.1

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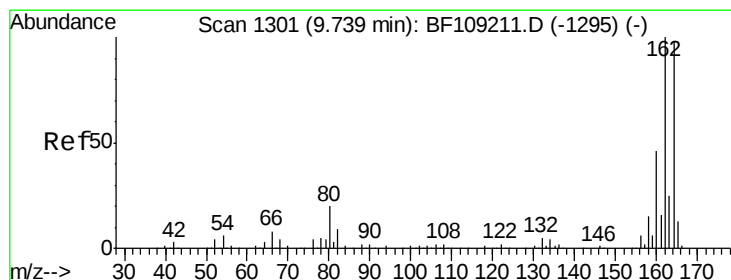
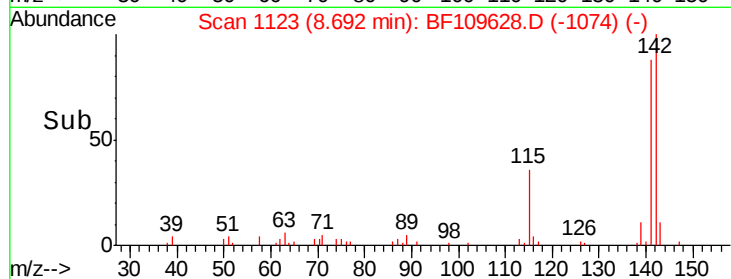
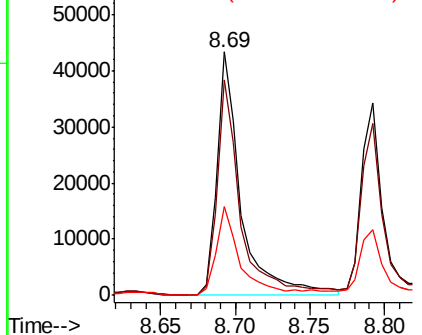


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF109628.D
Acq: 6 Oct 2018 00:20

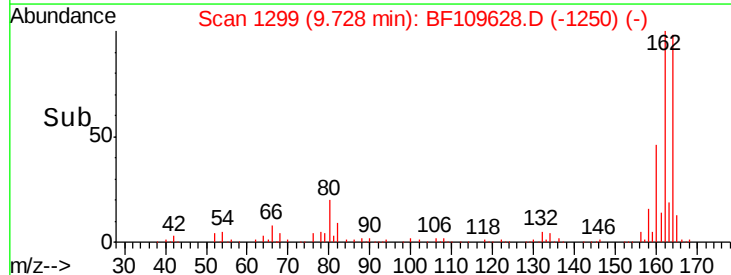
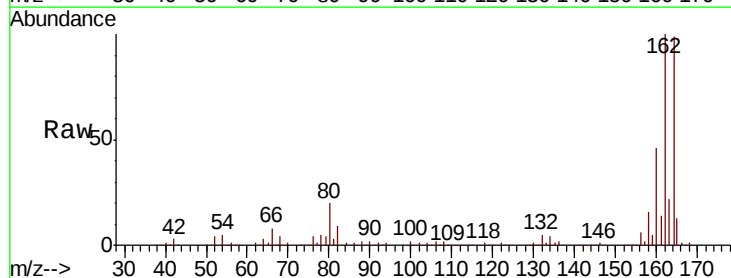
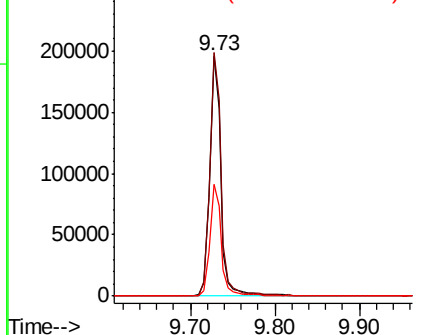
Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	86.1	129.1
160	46.4	38.3	57.5

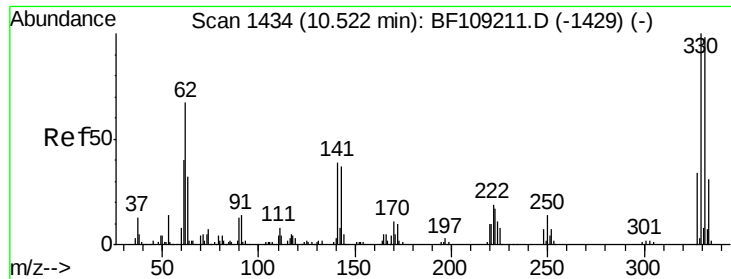
Abundance

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





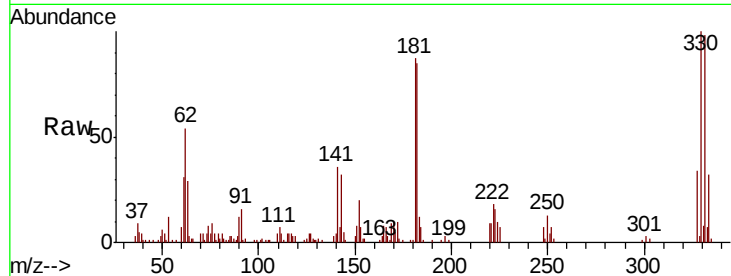
#41
 2,4,6-Tribromophenol
 Concen: 28.553 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF109628.D
 Acq: 6 Oct 2018 00:20

Instrument :
 BNA_F
 ClientSampleId :
 GRID13-COMP-100318

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.5	77.0	115.6
141	41.6	29.9	44.9

Manual Integrations
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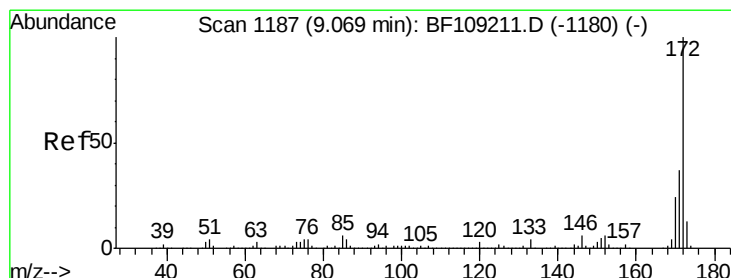
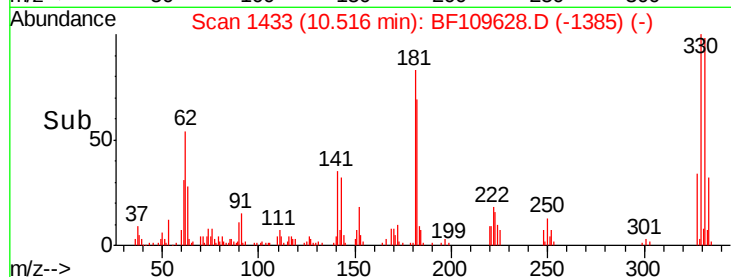
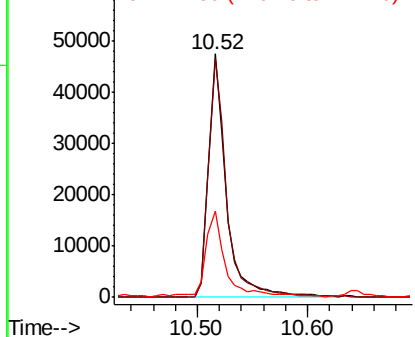


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 23.912 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF109628.D
 Acq: 6 Oct 2018 00:20

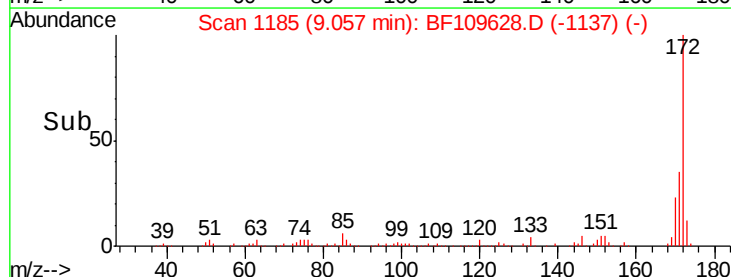
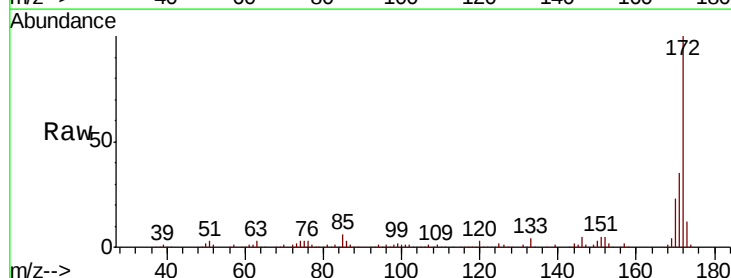
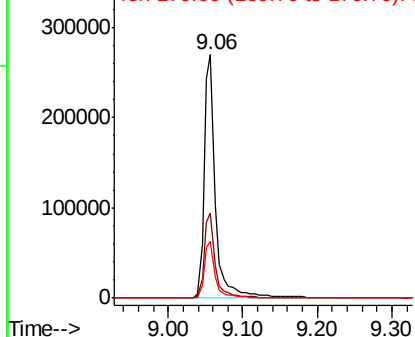
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	23.1	19.6	29.4

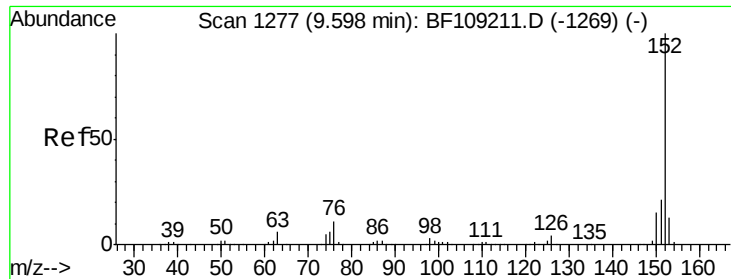
Abundance

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





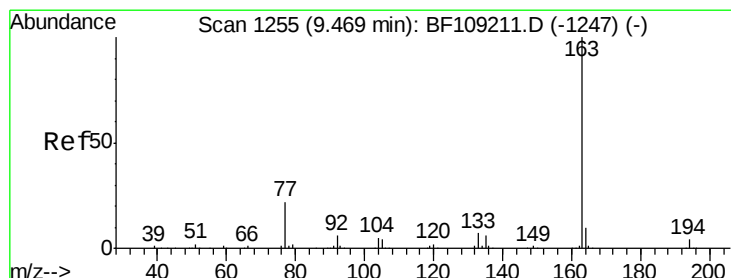
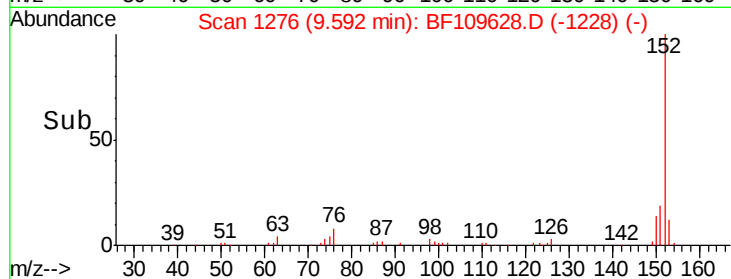
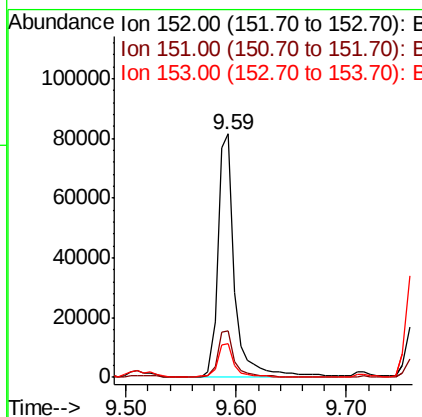
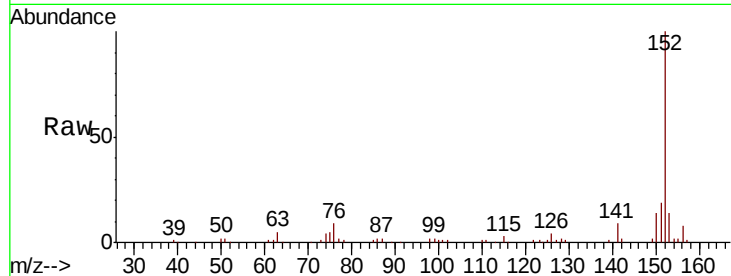
#48
Acenaphthylene
Concen: 4.805 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF109628.D
Acq: 6 Oct 2018 00:20

Instrument :
BNA_F
ClientSampleId :
GRID13-COMP-100318

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.3	24.5
153	13.8	10.7	16.1

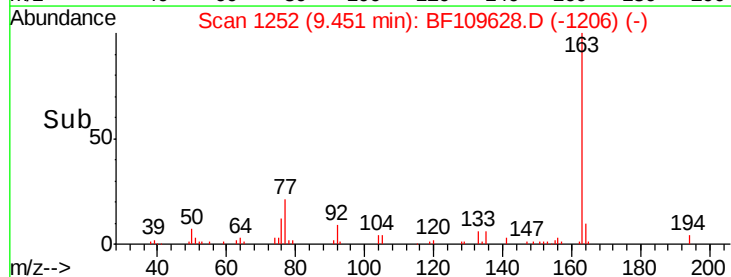
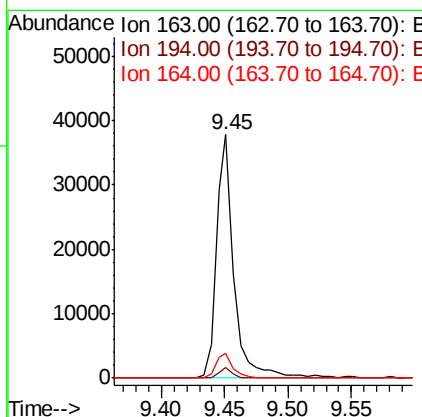
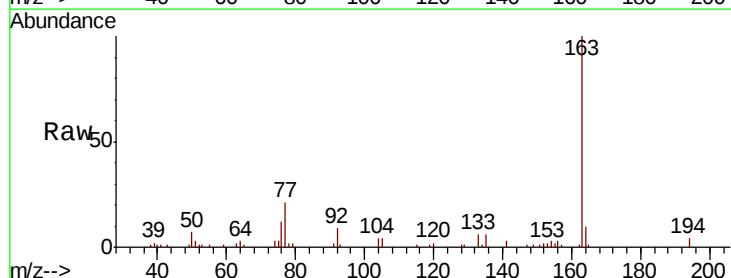
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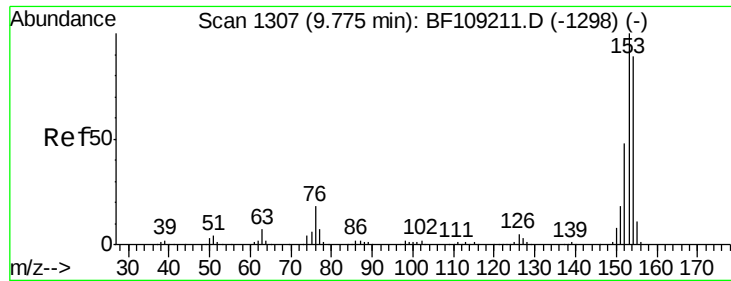
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#49
Dimethylphthalate
Concen: 2.766 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.03 min
Lab File: BF109628.D
Acq: 6 Oct 2018 00:20

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	2.7	4.1#
164	9.9	8.2	12.2





#51

Acenaphthene

Concen: 3.237 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.02 min

Lab File: BF109628.D

Acq: 6 Oct 2018 00:20

Instrument :

BNA_F

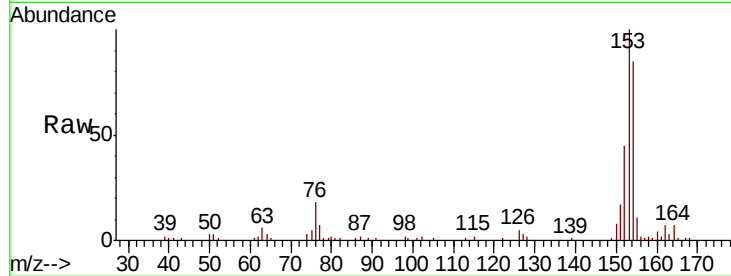
ClientSampleId :

GRID13-COMP-100318

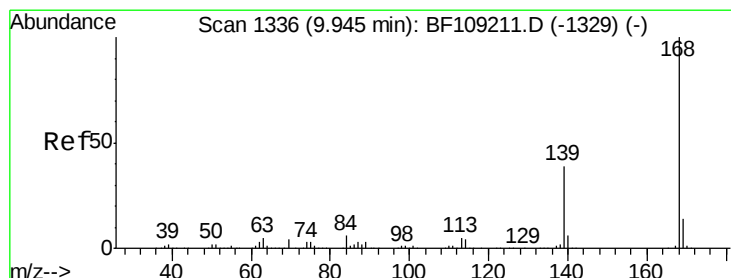
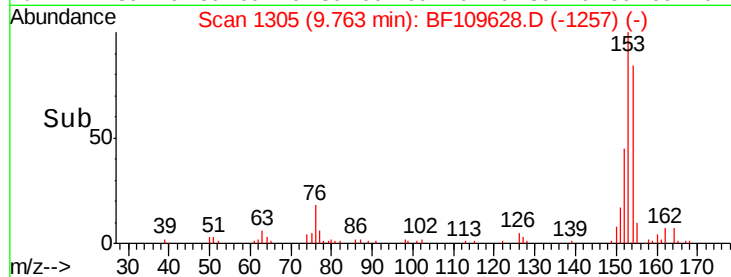
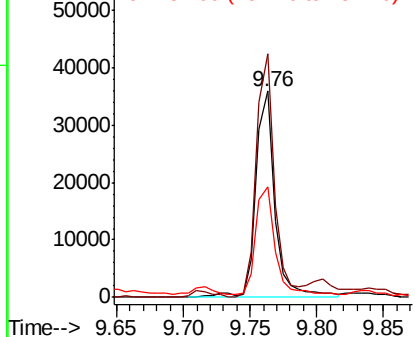
Tot Ion:	154	Resp:	35267
Ion	Ratio	Lower	Upper
154	100		
153	118.1	91.2	136.8
152	53.5	43.8	65.8

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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

Dibenzofuran

Concen: 5.240 ng

RT: 9.93 min Scan# 1334

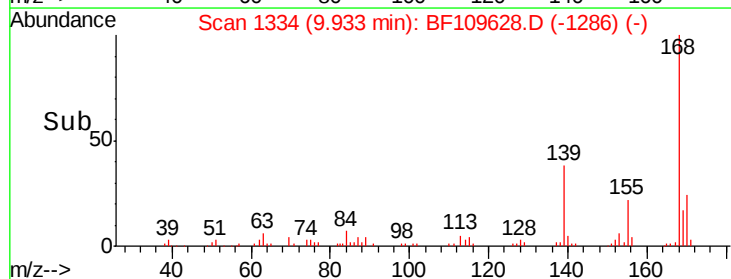
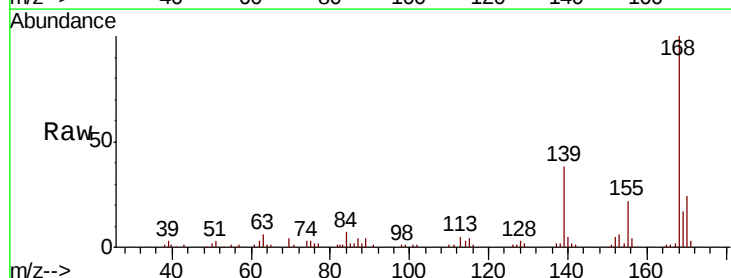
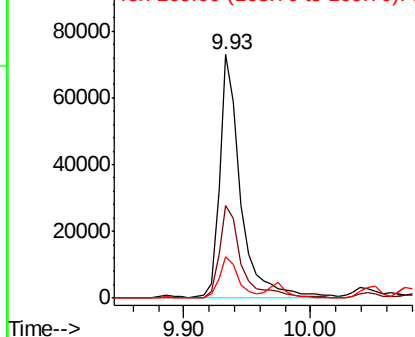
Delta R.T. -0.02 min

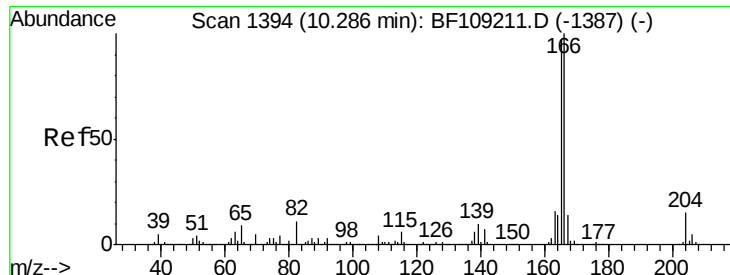
Lab File: BF109628.D

Acq: 6 Oct 2018 00:20

Tgt Ion:	168	Resp:	84911
Ion	Ratio	Lower	Upper
168	100		
139	38.1	30.1	45.1
169	16.9	10.9	16.3#

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





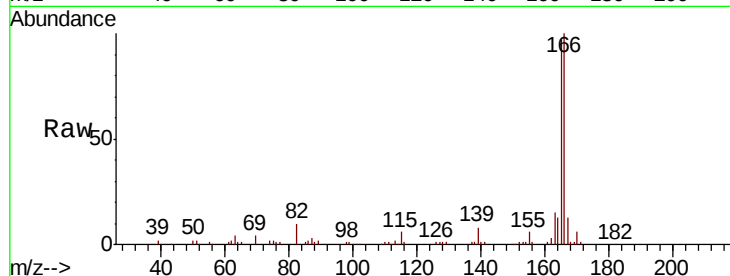
#57
Fluorene
 Concen: 9.238 ng
 RT: 10.27 min Scan# 1392
 Delta R.T. -0.02 min
 Lab File: BF109628.D
 Acq: 6 Oct 2018 00:20

Instrument :
 BNA_F
 ClientSampleId :
 GRID13-COMP-100318

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	96.7	79.8	119.8		
167	13.4	10.6	16.0		

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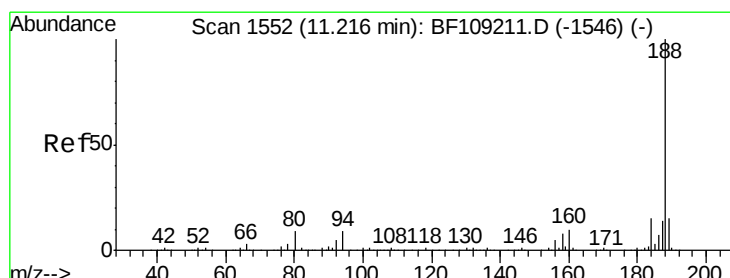
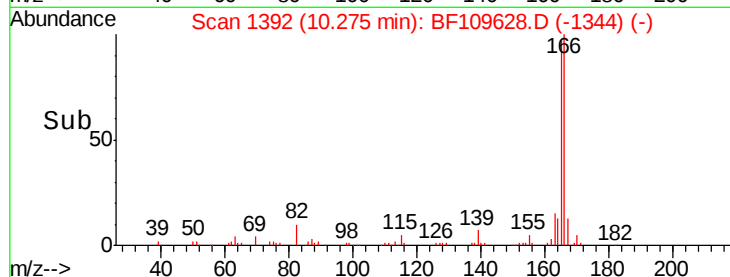
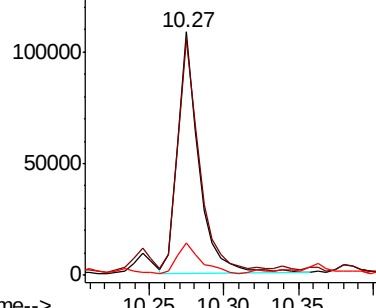


Abundance

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: BF109628.D
 Acq: 6 Oct 2018 00:20

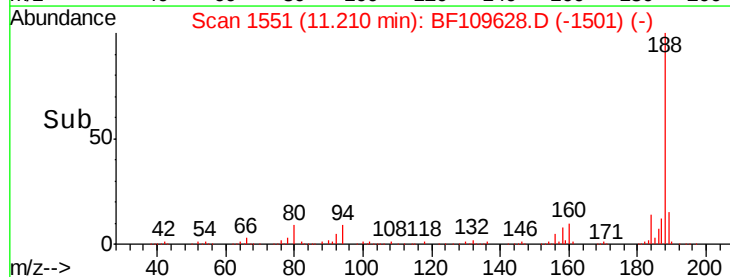
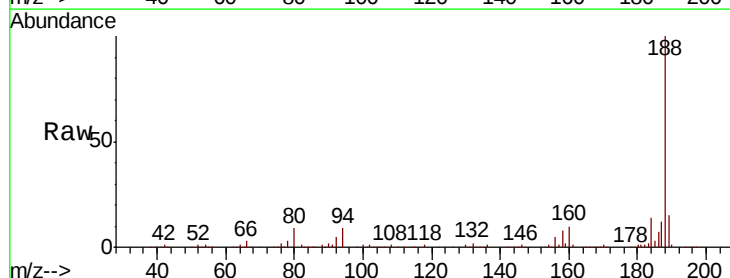
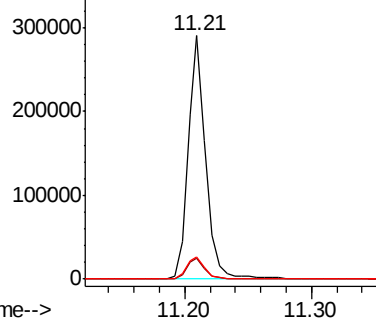
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	8.5	8.5	12.7		
80	9.2	9.2	13.8		

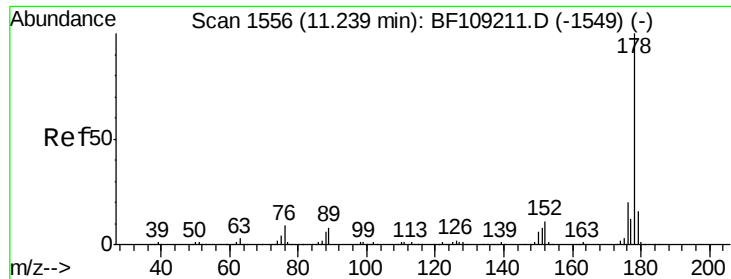
Abundance

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





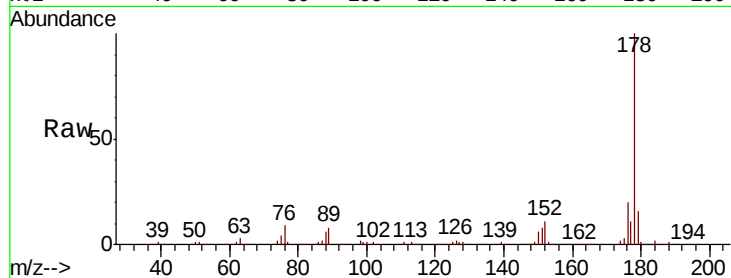
#70
Phenanthrene
Concen: 46.564 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF109628.D
Acq: 6 Oct 2018 00:20

Instrument :
BNA_F
ClientSampleId :
GRID13-COMP-100318

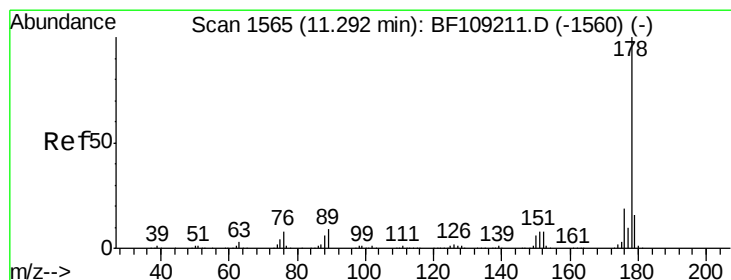
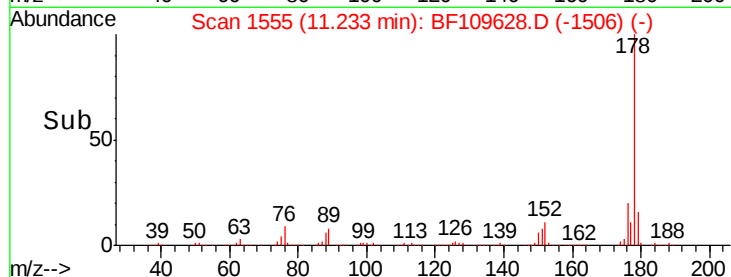
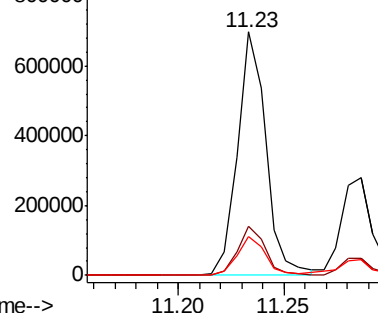
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	15.9	13.0	19.6

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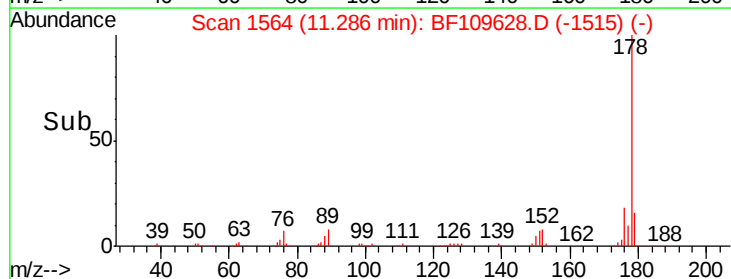
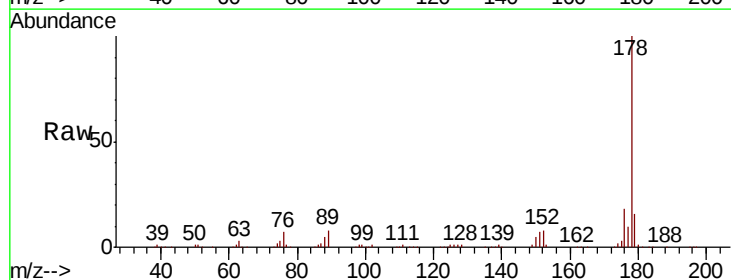
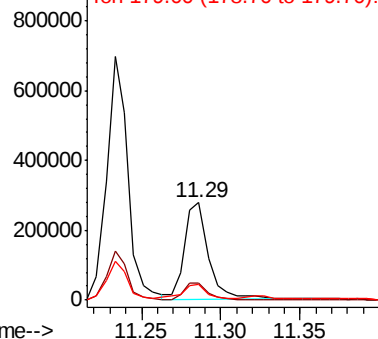
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

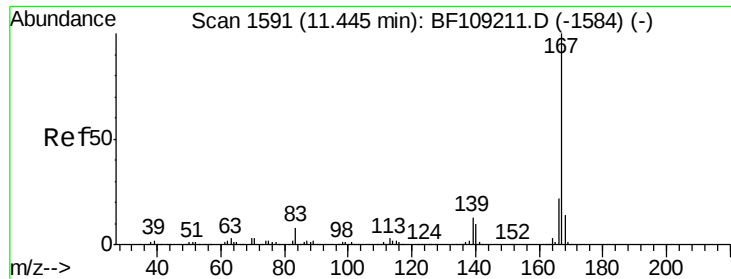


#71
Anthracene
Concen: 20.814 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF109628.D
Acq: 6 Oct 2018 00:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	15.9	12.6	19.0

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





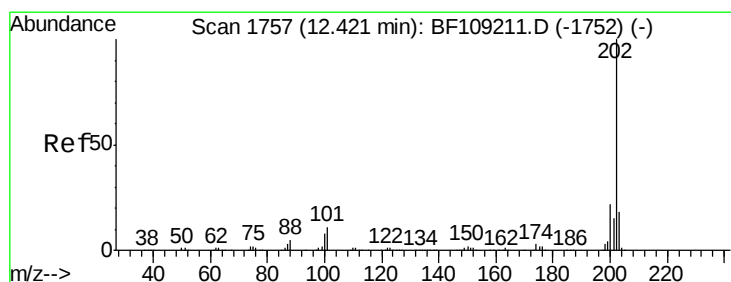
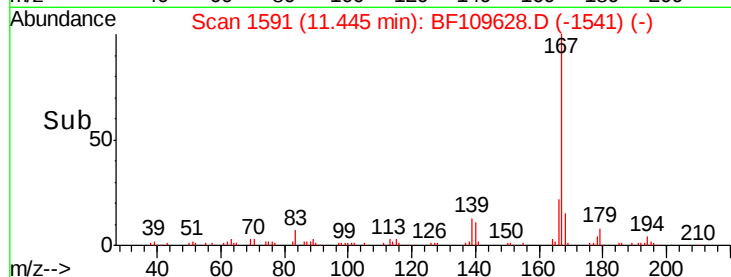
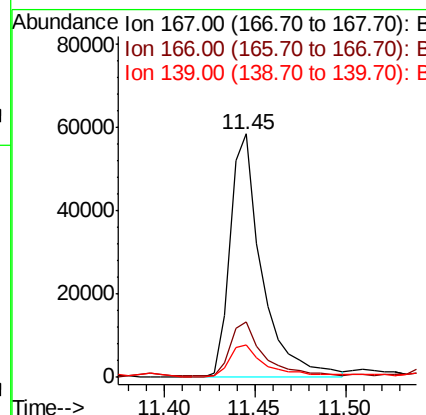
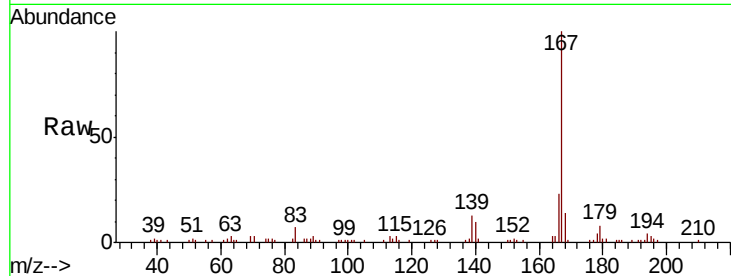
#72
 Carbazole
 Concen: 5.034 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: BF109628.D
 Acq: 6 Oct 2018 00:20

Instrument :
 BNA_F
 ClientSampleId :
 GRID13-COMP-100318

Tot Ion:	167	Resp:	71315
Ion Ratio	Lower	Upper	
167	100		
166	22.7	17.6	26.4
139	13.4	10.9	16.3

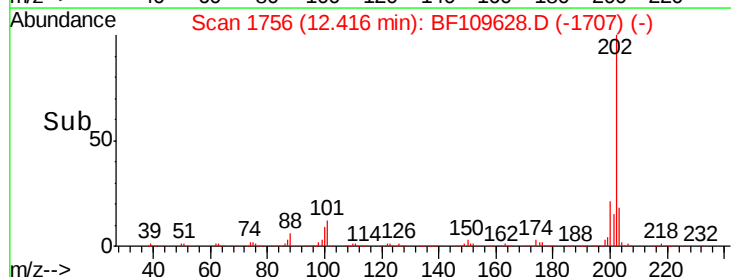
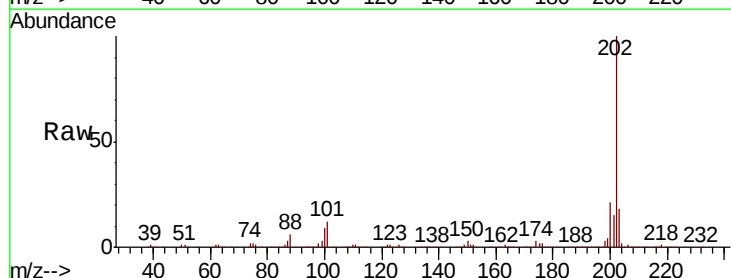
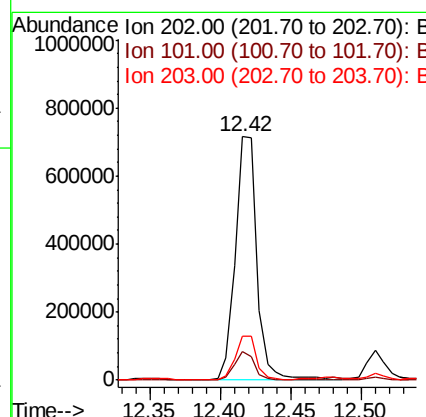
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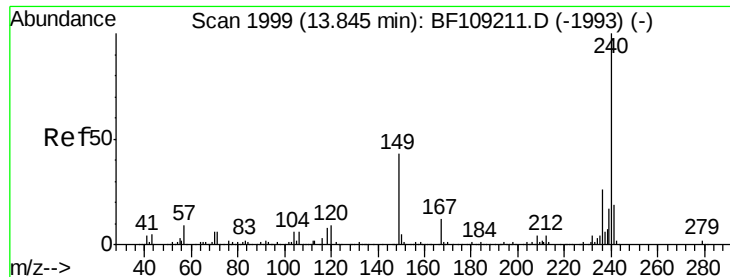
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#74
 Fluoranthene
 Concen: 50.725 ng
 RT: 12.42 min Scan# 1756
 Delta R.T. -0.01 min
 Lab File: BF109628.D
 Acq: 6 Oct 2018 00:20

Tgt Ion:	202	Resp:	760975
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	34.1
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109628.D

Acq: 6 Oct 2018 00:20

Instrument :

BNA_F

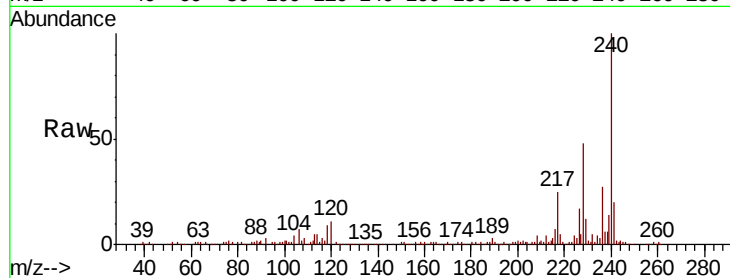
ClientSampleId :

GRID13-COMP-100318

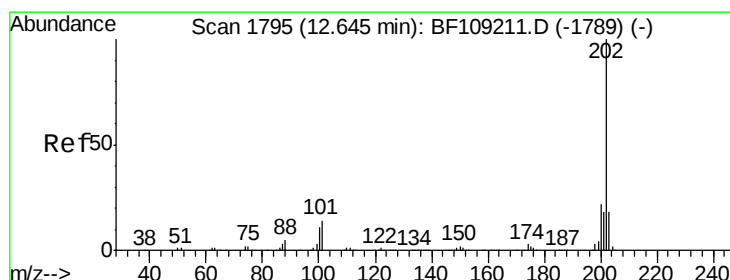
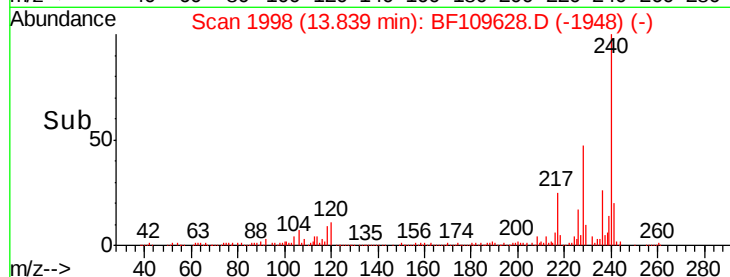
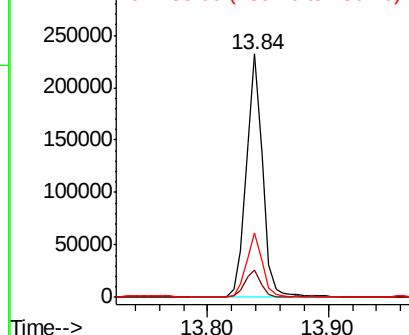
Tot Ion:	240	Resp:	217952
Ion Ratio	Lower	Upper	
240	100		
120	10.9	9.5	14.3
236	26.5	20.7	31.1

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 41.571 ng

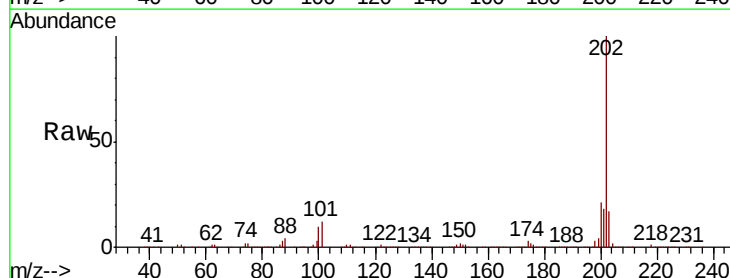
RT: 12.65 min Scan# 1795

Delta R.T. -0.01 min

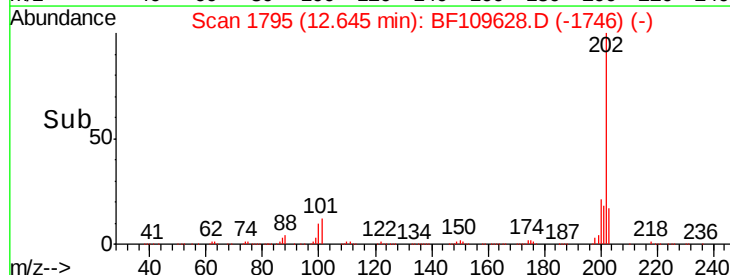
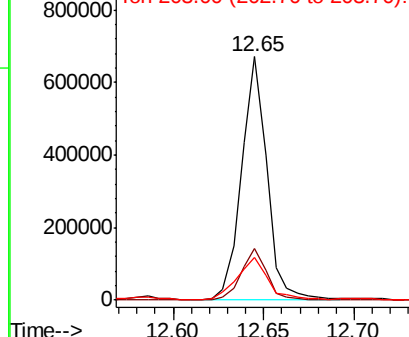
Lab File: BF109628.D

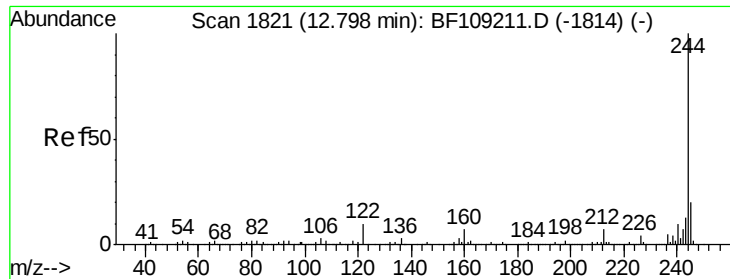
Acq: 6 Oct 2018 00:20

Tgt Ion:	202	Resp:	649343
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.5	14.3	21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 21.150 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.02 min

Lab File: BF109628.D

Acq: 6 Oct 2018 00:20

Instrument :

BNA_F

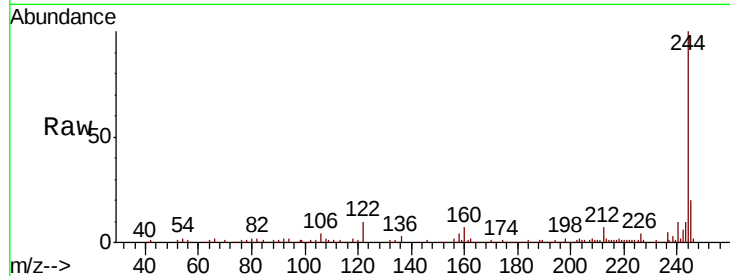
ClientSampleId :

GRID13-COMP-100318

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	10.4	11.0	16.4

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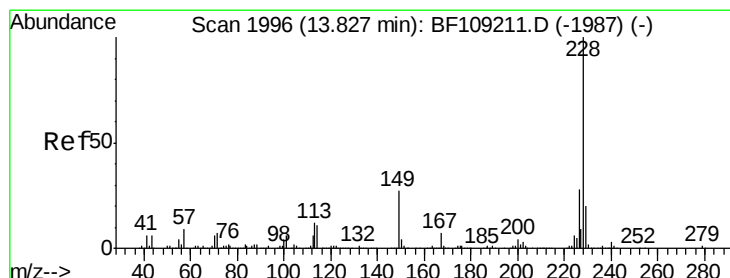
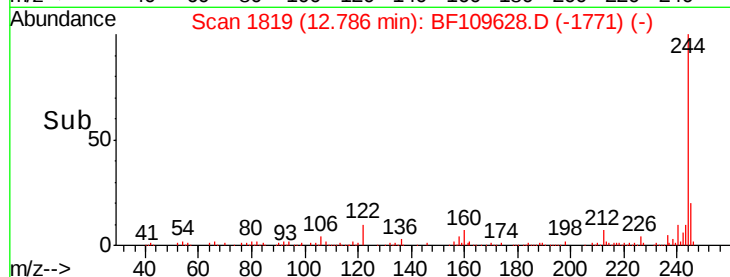
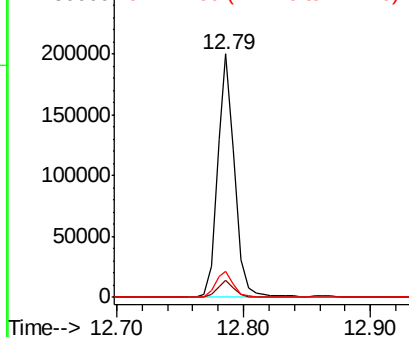


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 34.040 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109628.D

Acq: 6 Oct 2018 00:20

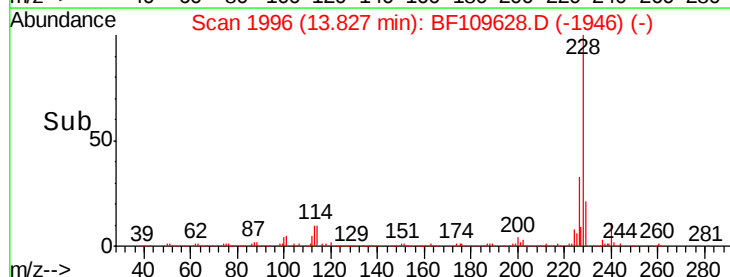
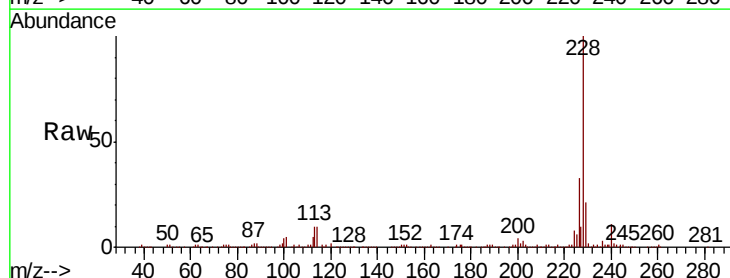
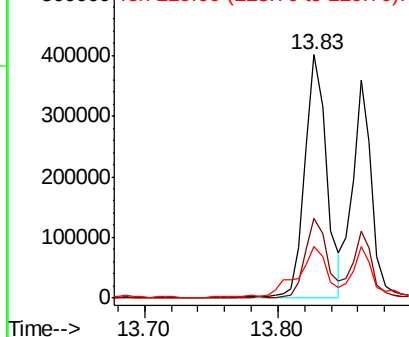
Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.0	22.6	33.8
229	21.3	15.8	23.6

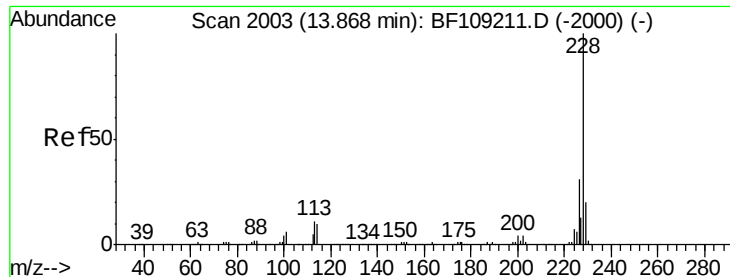
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





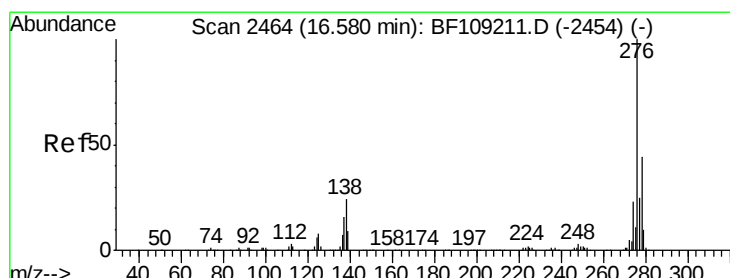
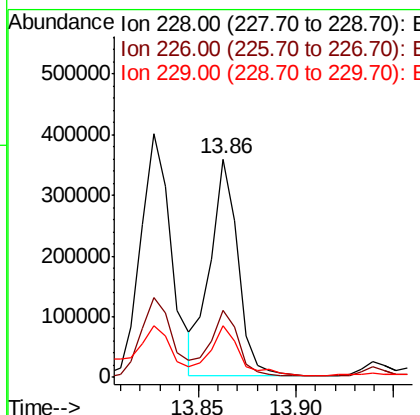
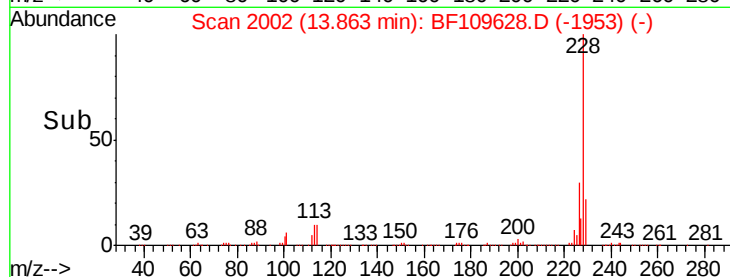
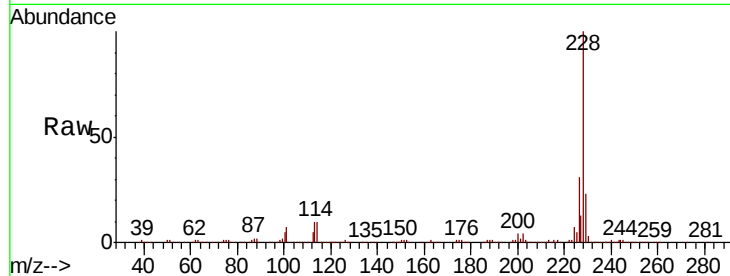
#82
Chrysene
Concen: 27.444 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF109628.D
Acq: 6 Oct 2018 00:20

Instrument :
BNA_F
ClientSampleId :
GRID13-COMP-100318

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	23.4	16.2	24.4

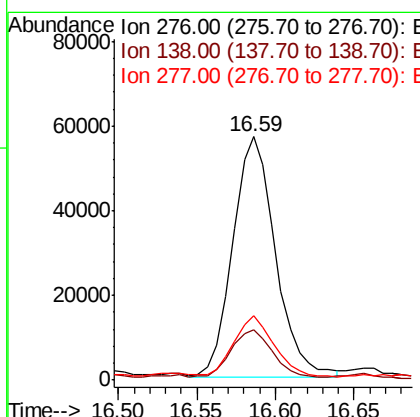
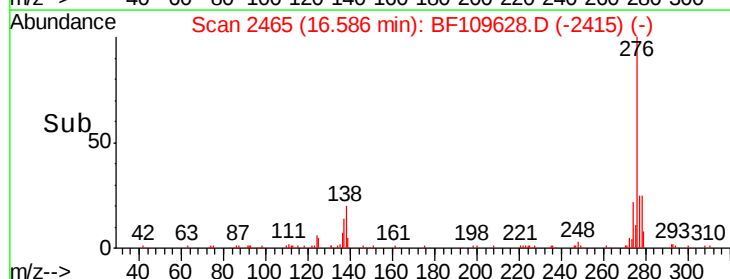
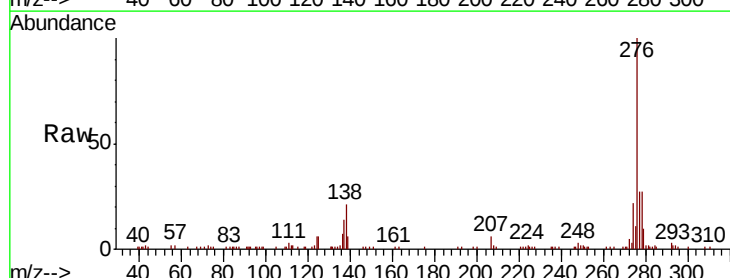
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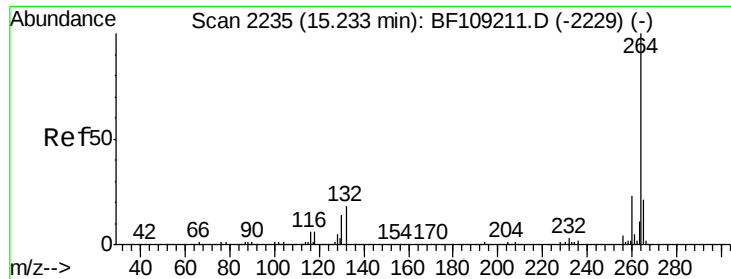
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#85
Indeno(1,2,3-cd)pyrene
Concen: 10.172 ng m
RT: 16.59 min Scan# 2465
Delta R.T. -0.01 min
Lab File: BF109628.D
Acq: 6 Oct 2018 00:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	2.4	25.0	37.6#
277	1.8	20.1	30.1#





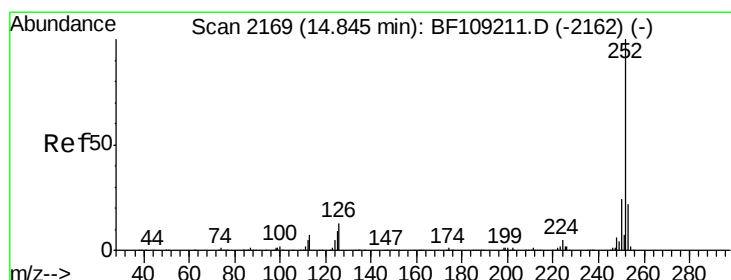
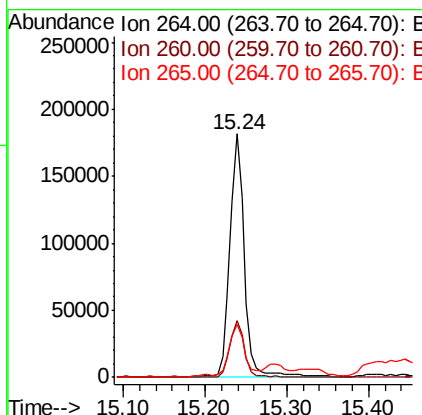
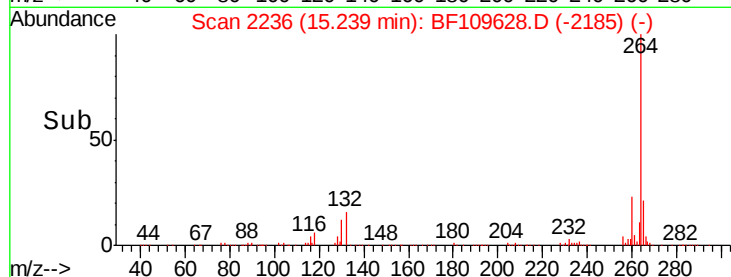
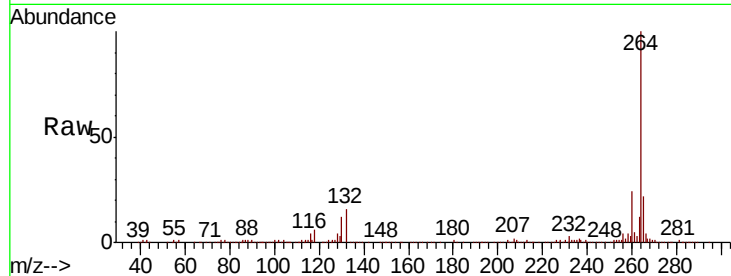
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BF109628.D
Acq: 6 Oct 2018 00:20

Instrument :
BNA_F
ClientSampleId :
GRID13-COMP-100318

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.5	17.5	26.3

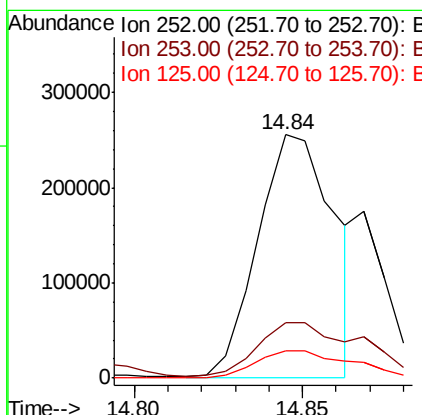
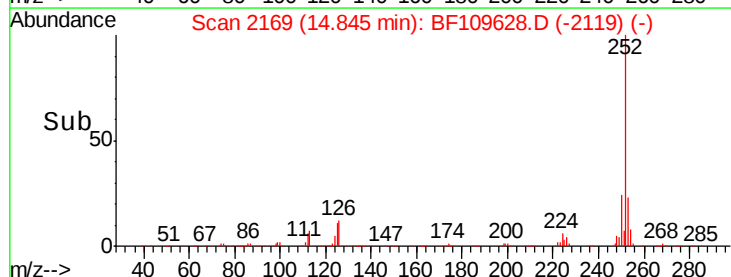
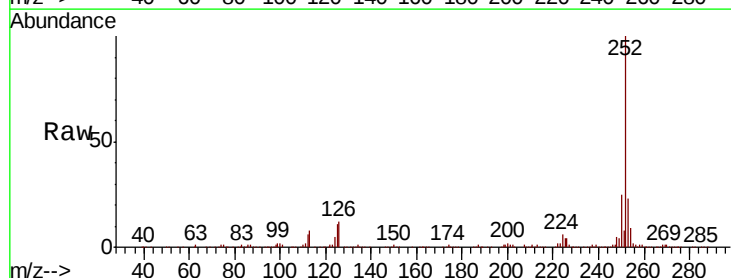
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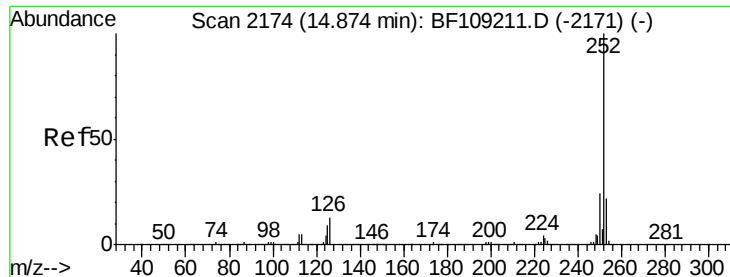
Sohil
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#87
Benzo(b)fluoranthene
Concen: 32.690 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109628.D
Acq: 6 Oct 2018 00:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	11.0	9.0	13.6





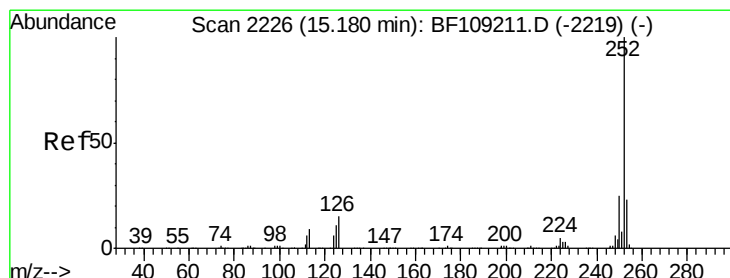
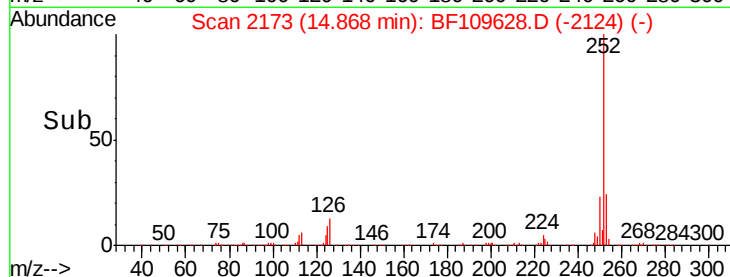
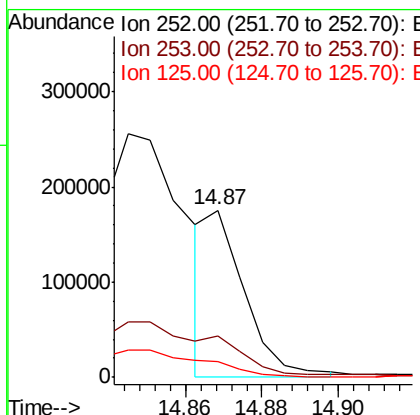
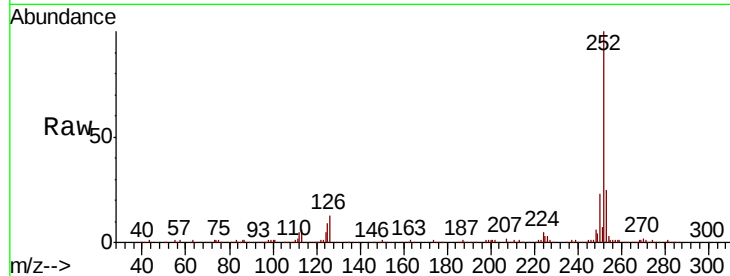
#88
Benzo(k)fluoranthene
Concen: 10.221 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF109628.D
Acq: 6 Oct 2018 00:20

Instrument :
BNA_F
ClientSampleId :
GRID13-COMP-100318

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	9.5	10.2	15.2

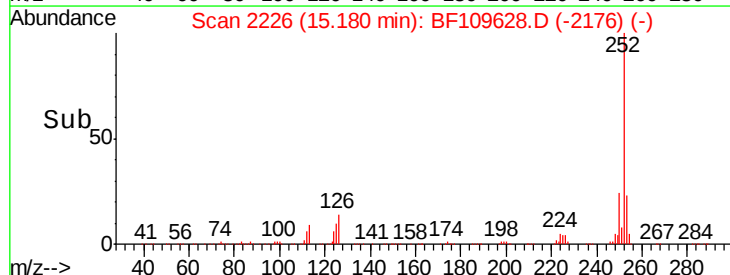
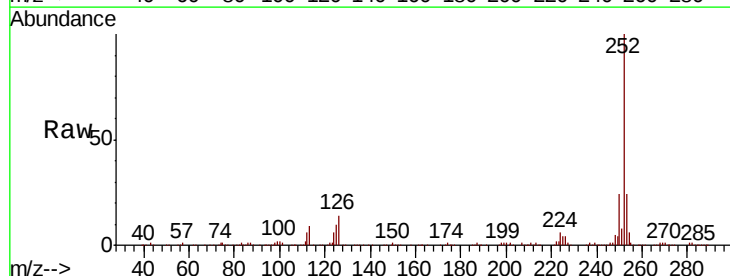
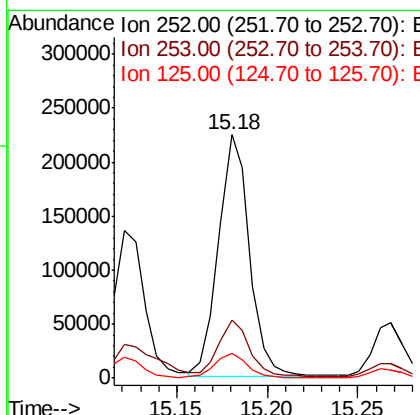
Manual Integrations
APPROVED

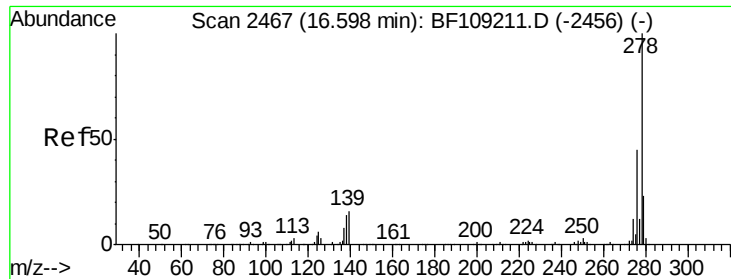
Sohil
10/8/2018 12:21:41 PM



#89
Benzo(a)pyrene
Concen: 23.899 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF109628.D
Acq: 6 Oct 2018 00:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	10.4	9.8	14.6





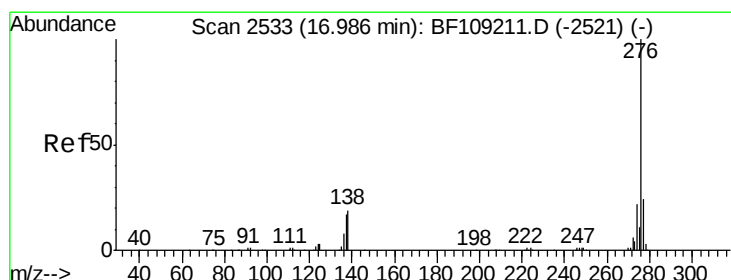
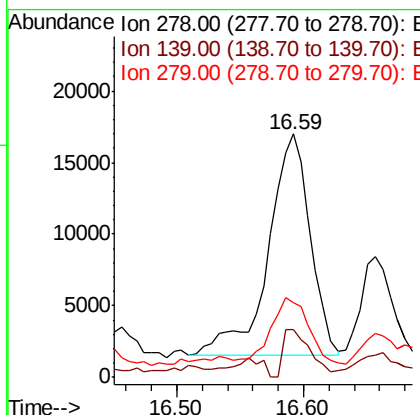
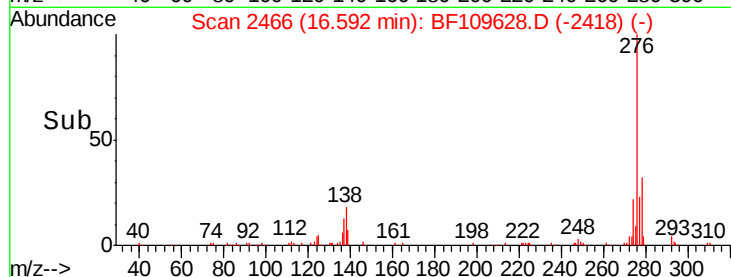
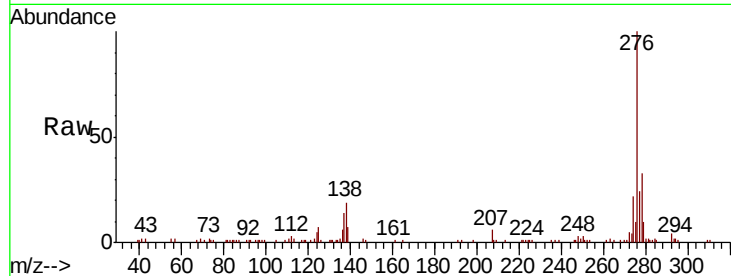
#90
Dibenzo(a,h)anthracene
Concen: 3.831 ng
RT: 16.59 min Scan# 2466
Delta R.T. -0.02 min
Lab File: BF109628.D
Acq: 6 Oct 2018 00:20

Instrument :
BNA_F
ClientSampleId :
GRID13-COMP-100318

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.5	15.9	23.9
279	30.7	19.0	28.4

Manual Integrations
APPROVED

Sohil
10/8/2018 12:21:41 PM



#91
Benzo(g,h,i)perylene
Concen: 9.246 ng
RT: 16.99 min Scan# 2534
Delta R.T. -0.01 min
Lab File: BF109628.D
Acq: 6 Oct 2018 00:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	21.2	21.8	32.8

