

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091317\
 Data File : BF098510.D
 Acq On : 14 Sep 2017 00:58
 Operator : SJ/JU
 Sample : I5159-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-9A-1

Manual Integrations
 APPROVED

Sohil
 9/14/2017 5:53:05 PM

Quant Time: Sep 14 07:45:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	157415	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	644965	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	264087	20.00	ng	-0.02
63) Phenanthrene-d10	11.17	188	407049	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	317023	20.00	ng	-0.01
86) Perylene-d12	15.21	264	246478	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	1134039	106.51	ng	0.00
7) Phenol-d6	6.31	99	1384217	102.40	ng	-0.01
23) Nitrobenzene-d5	7.23	82	779709	67.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.48	330	191778	108.81	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	1410488	90.53	ng	-0.02
78) Terphenyl-d14	12.76	244	936353	63.75	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.32	94	38328	2.441	ng	87
31) Naphthalene	7.96	128	235817	7.396	ng	100
37) 2-Methylnaphthalene	8.65	142	177289	9.180	ng	99
48) Acenaphthylene	9.55	152	102824	4.097	ng	97
49) Dimethylphthalate	9.41	163	201781	9.871	ng	98
54) Dibenzofuran	9.89	168	78566	3.738	ng	# 96
70) Phenanthrene	11.19	178	236924	10.979	ng	98
71) Anthracene	11.24	178	120614	5.444	ng	96
74) Fluoranthene	12.38	202	318919	14.763	ng	99
77) Pyrene	12.60	202	321598	12.859	ng	100
80) Benzo(a)anthracene	13.79	228	208260	11.205	ng	94
82) Chrysene	13.83	228	253718	13.504	ng	96
85) Indeno(1,2,3-cd)pyrene	16.54	276	105042	7.969	ng	93
87) Benzo(b)fluoranthene	14.82	252	381500m	24.616	ng	
88) Benzo(k)fluoranthene	14.84	252	124146m	8.581	ng	
89) Benzo(a)pyrene	15.15	252	147598	10.690	ng	97
90) Dibenzo(a,h)anthracene	16.54	278	27733	2.761	ng	# 81
91) Benzo(g,h,i)perylene	16.95	276	92054	9.112	ng	96

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

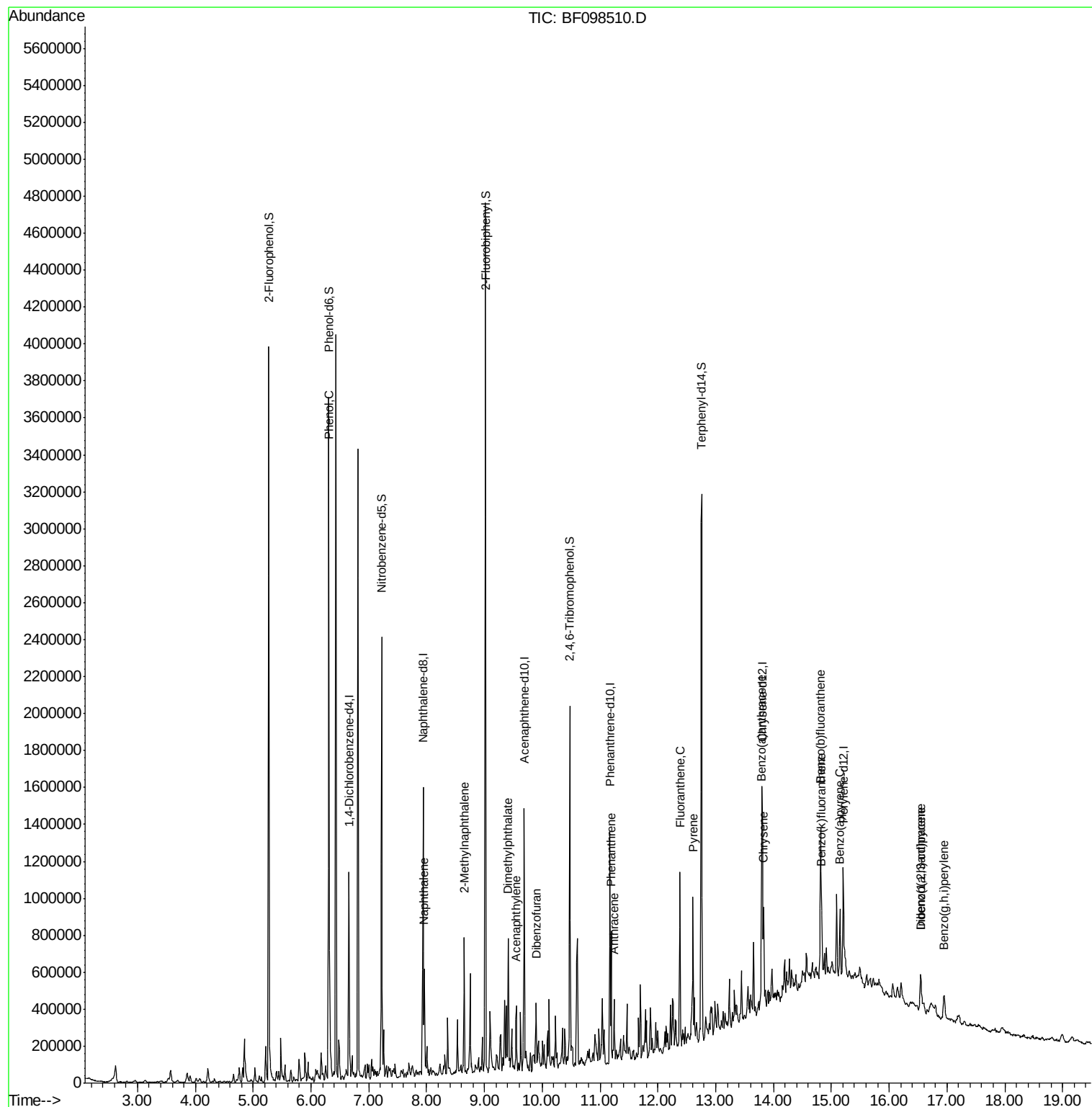
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091317\
Data File : BF098510.D
Acq On : 14 Sep 2017 00:58
Operator : SJ/JU
Sample : I5159-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

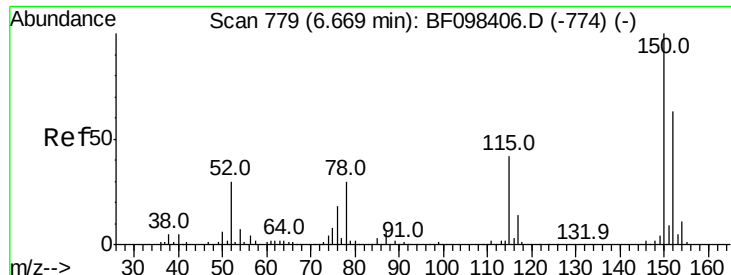
Instrument :
BNA_F
ClientSampleId :
G-9A-1

Manual Integrations
APPROVED

Sohil
9/14/2017 5:53:05 PM

Quant Time: Sep 14 07:45:19 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 02:14:50 2017
Response via : Initial Calibration





#1

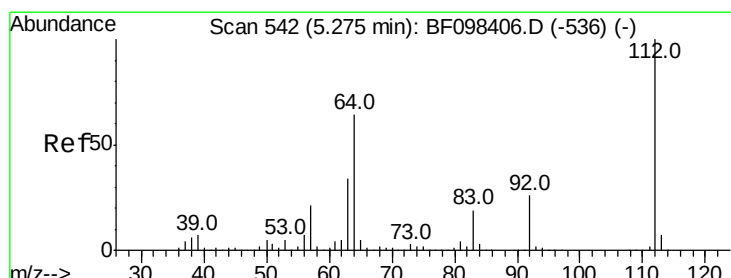
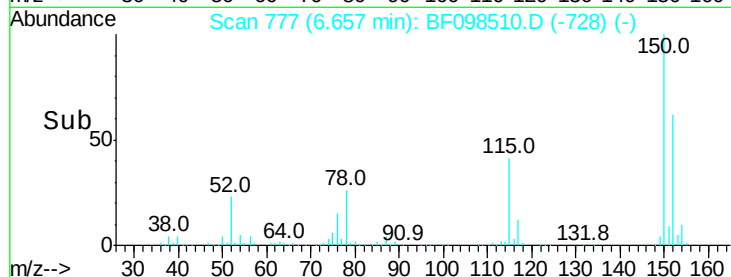
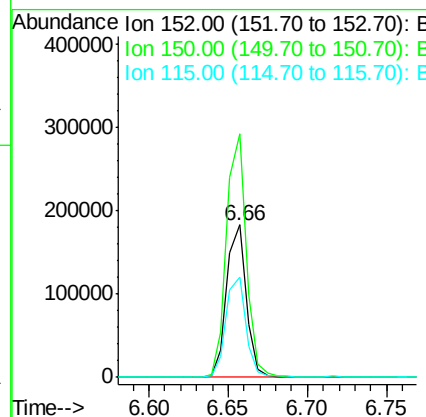
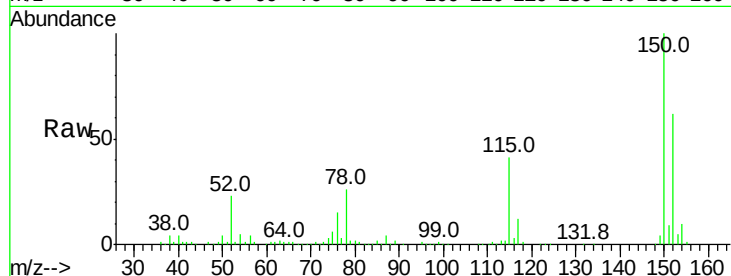
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF098510.D
Acq: 14 Sep 2017 00:58

Instrument :
BNA_F
ClientSampled :
G-9A-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	126.2	189.2
115	65.9	52.2	78.2

Manual Integrations
APPROVED

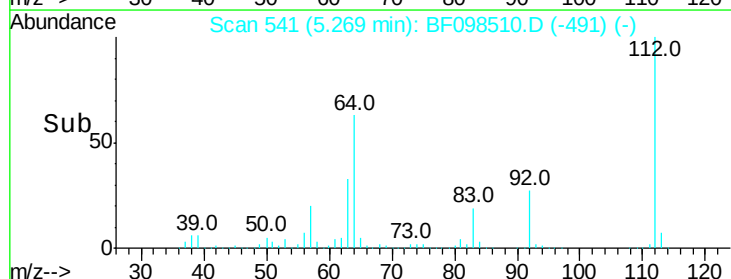
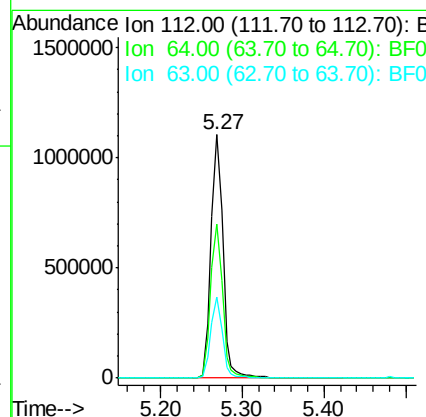
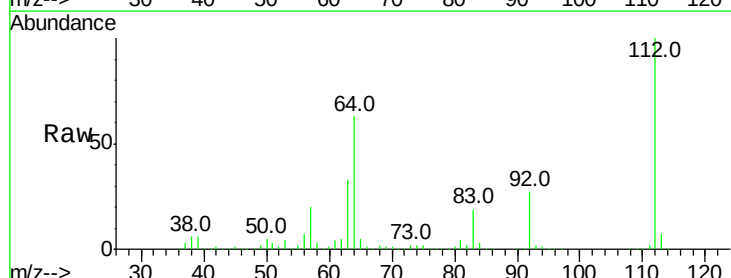
Sohil
9/14/2017 5:53:05 PM

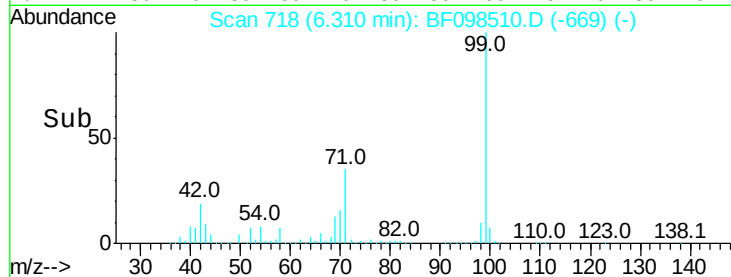
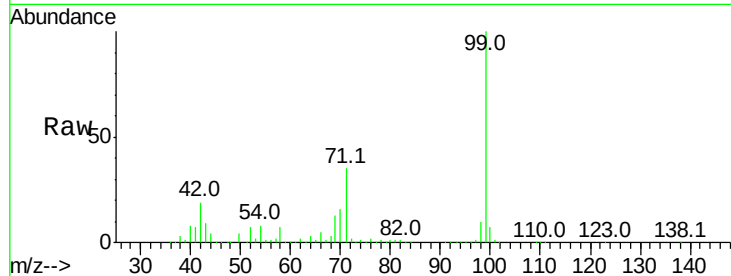
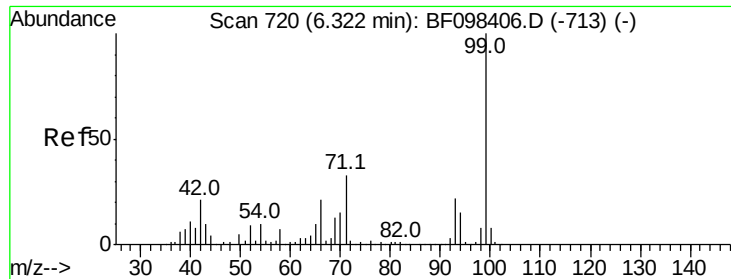


#5

2-Fluorophenol
Concen: 106.515 ng
RT: 5.27 min Scan# 541
Delta R.T. -0.01 min
Lab File: BF098510.D
Acq: 14 Sep 2017 00:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.4	46.0	69.0
63	33.4	23.4	35.0





#7

Phenol-d6

Concen: 102.399 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF098510.D

Acq: 14 Sep 2017 00:58

Tot Ion:	99	Resp:	1384217
Ion	Ratio	Lower	Upper
99	100		
42	19.4	13.5	20.3
71	35.0	24.5	36.7

Instrument :

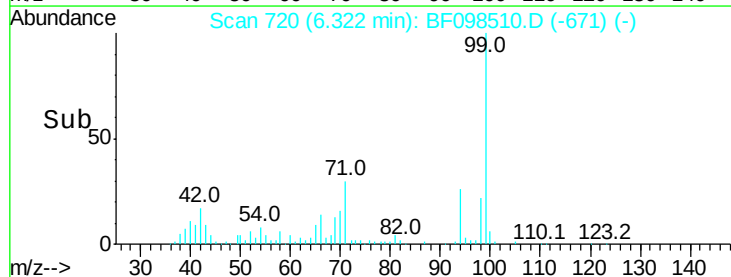
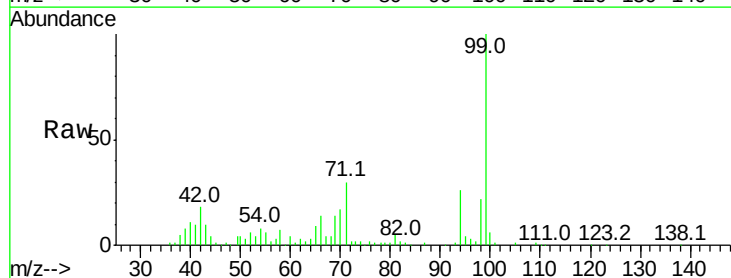
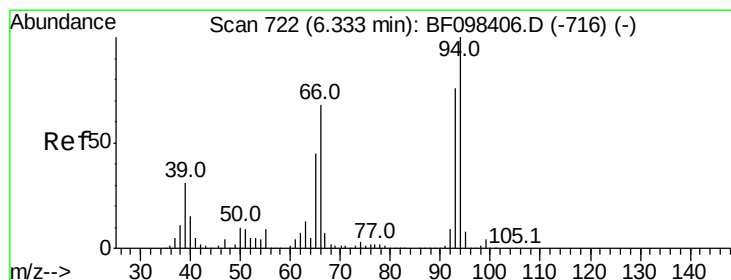
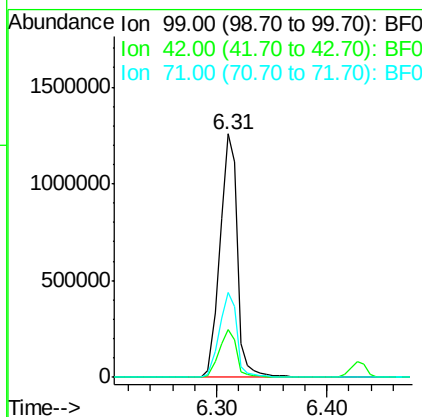
BNA_F

ClientSampleId :

G-9A-1

Manual Integrations
APPROVED

Sohil
9/14/2017 5:53:05 PM



#10

Phenol

Concen: 2.441 ng

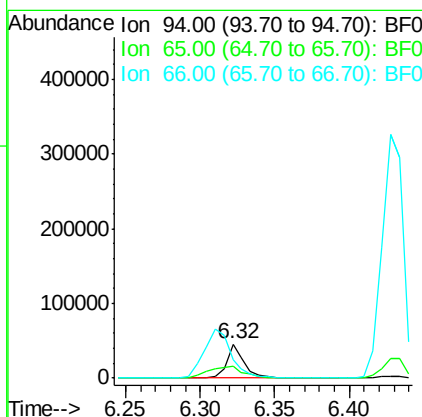
RT: 6.32 min Scan# 720

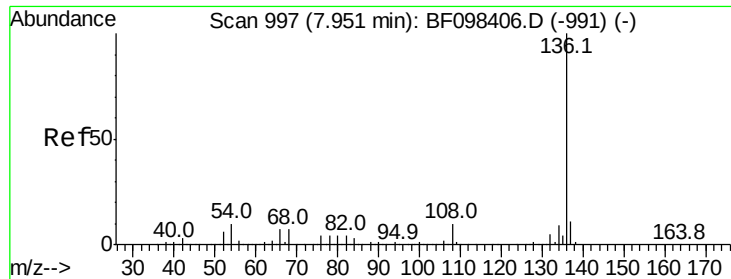
Delta R.T. -0.01 min

Lab File: BF098510.D

Acq: 14 Sep 2017 00:58

Tgt Ion:	94	Resp:	38328
Ion	Ratio	Lower	Upper
94	100		
65	33.6	9.9	49.9
66	53.8	23.1	63.1





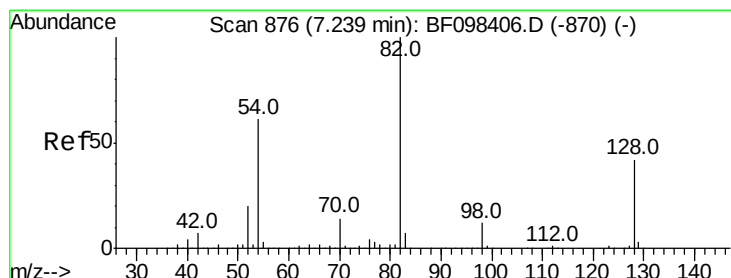
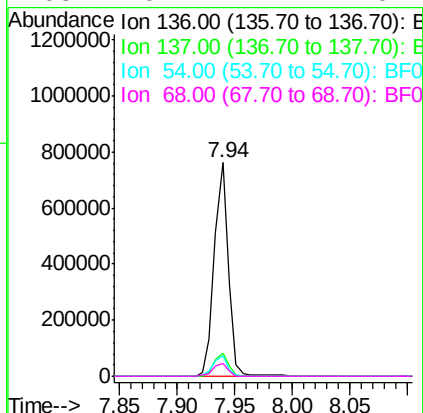
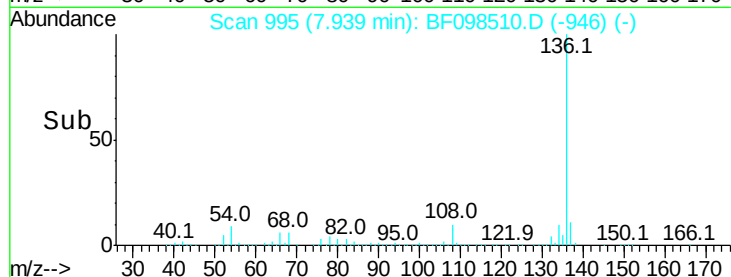
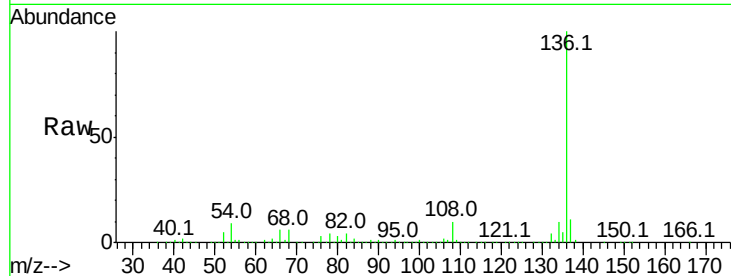
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.94 min Scan# 995
Delta R.T. -0.01 min
Lab File: BF098510.D
Acq: 14 Sep 2017 00:58

Instrument :
BNA_F
ClientSampled :
G-9A-1

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.7	8.5	12.7
54	9.3	4.9	7.3
68	6.1	4.1	6.1

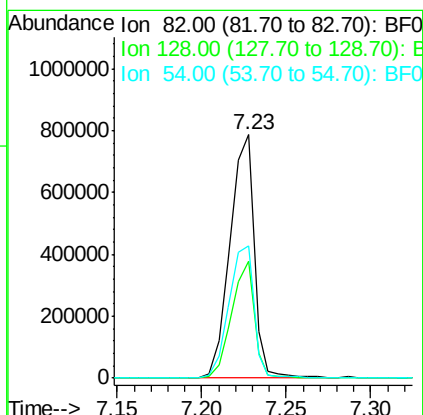
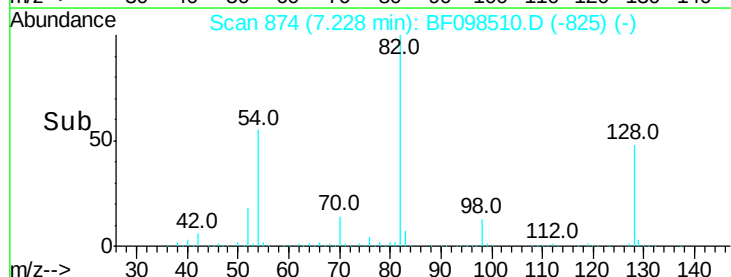
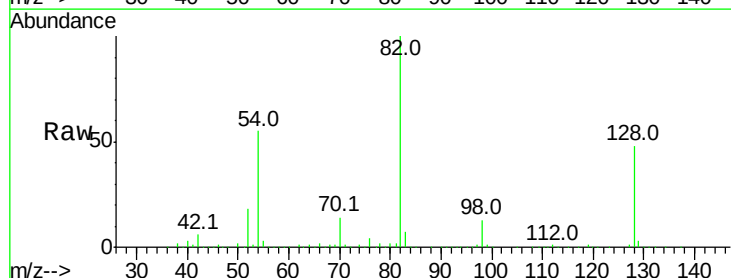
Manual Integrations
APPROVED

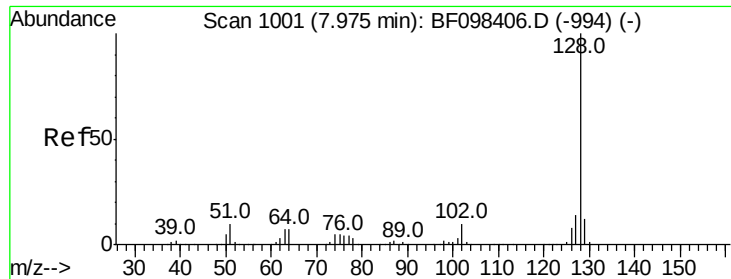
Sohil
9/14/2017 5:53:05 PM



#23
Nitrobenzene-d5
Concen: 67.397 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF098510.D
Acq: 14 Sep 2017 00:58

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	48.1	34.0	51.0
54	54.5	42.2	63.2





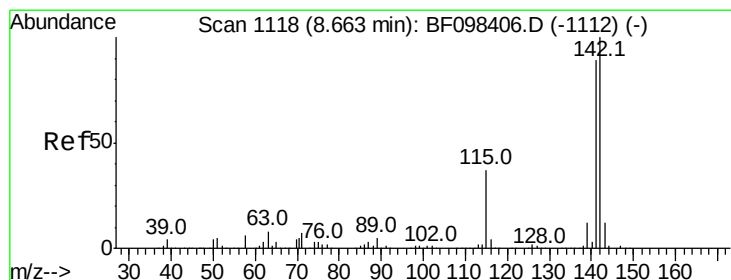
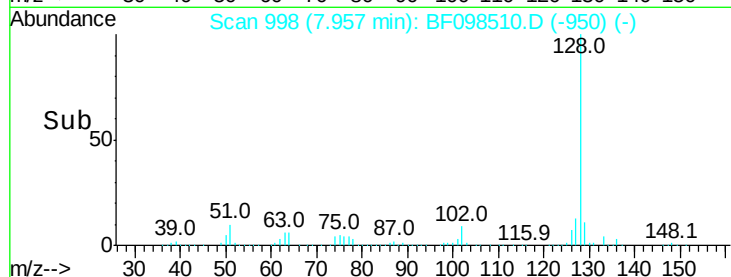
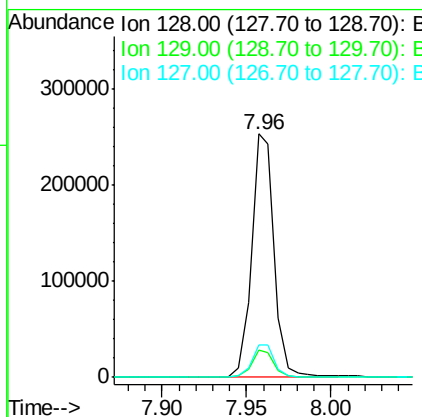
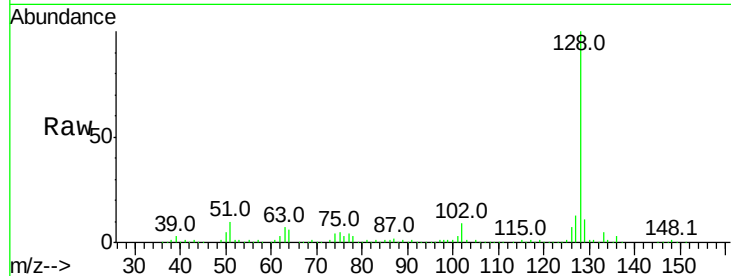
#31
Naphthalene
Concen: 7.396 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.02 min
Lab File: BF098510.D
Acq: 14 Sep 2017 00:58

Instrument :
BNA_F
ClientSampleId :
G-9A-1

Tot Ion	Ratio	Resp	Lower	Upper
128	100	235817		
129	11.2	9.0	13.6	
127	13.4	10.8	16.2	

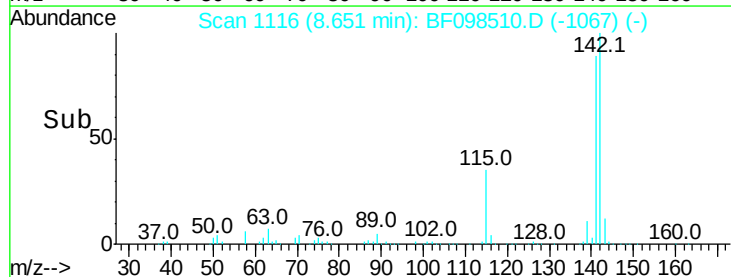
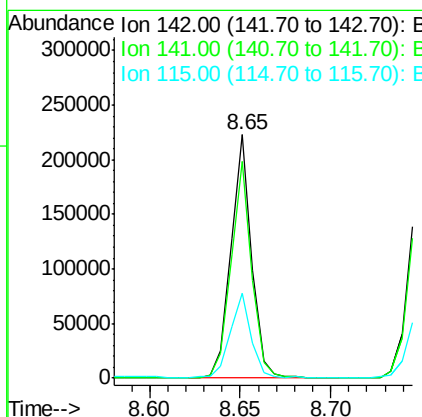
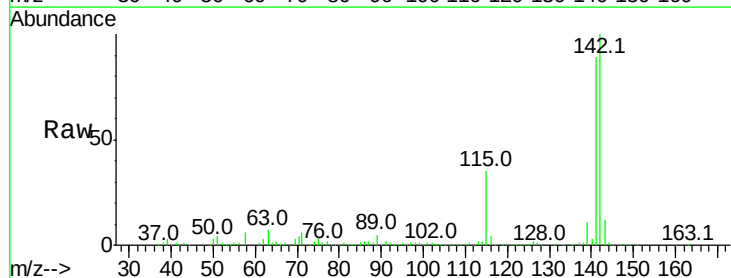
Manual Integrations
APPROVED

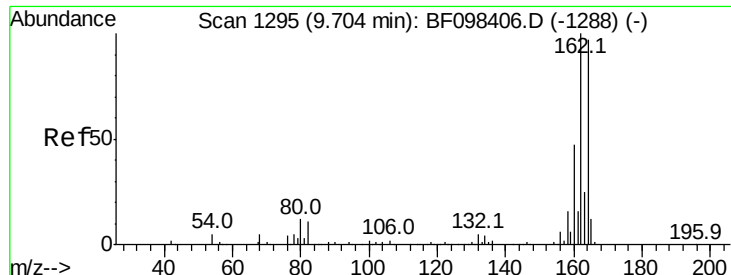
Sohil
9/14/2017 5:53:05 PM



#37
2-Methylnaphthalene
Concen: 9.180 ng
RT: 8.65 min Scan# 1116
Delta R.T. -0.01 min
Lab File: BF098510.D
Acq: 14 Sep 2017 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	177289		
141	89.1	71.3	106.9	
115	35.1	27.1	40.7	





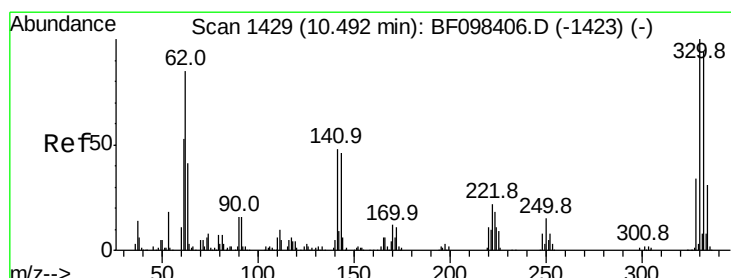
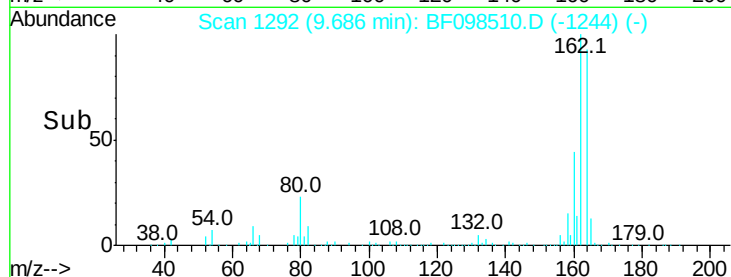
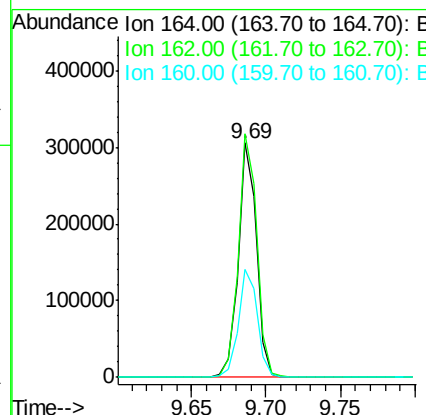
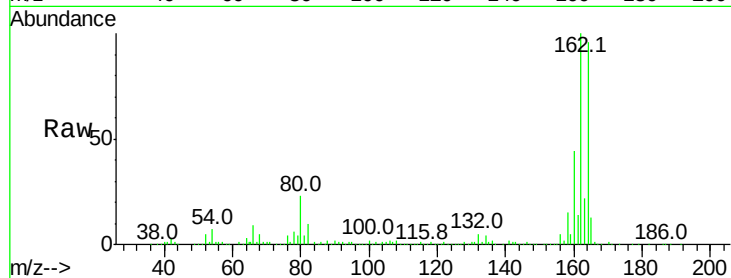
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.02 min
 Lab File: BF098510.D
 Acq: 14 Sep 2017 00:58

Instrument :
 BNA_F
 ClientSampleId :
 G-9A-1

Tot Ion	Ratio	Resp	Lower	Upper
164	100	264087		
162	103.8	82.6	123.8	
160	45.8	36.2	54.2	

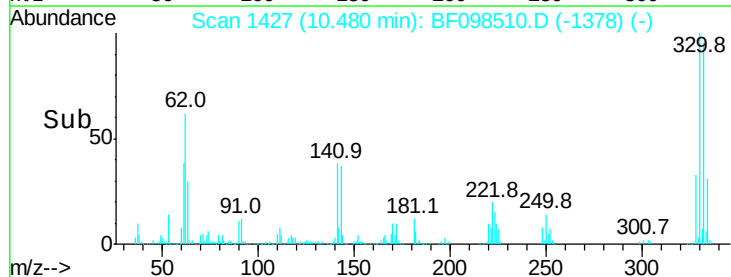
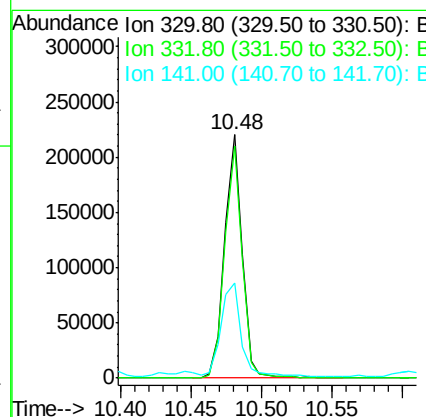
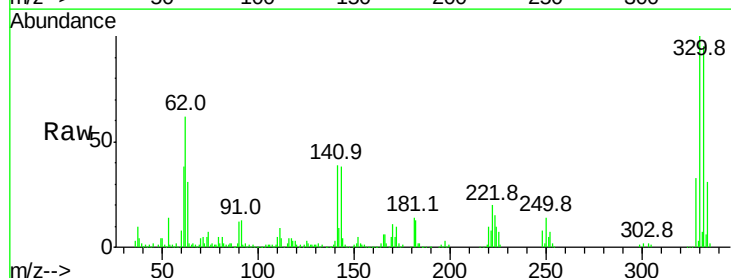
Manual Integrations
 APPROVED

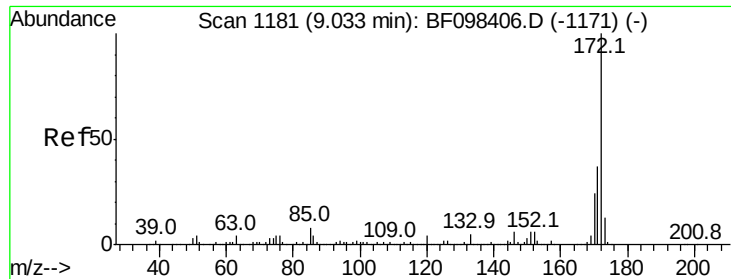
Sohil
 9/14/2017 5:53:05 PM



#41
 2,4,6-Tribromophenol
 Concen: 108.806 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF098510.D
 Acq: 14 Sep 2017 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	191778		
332	95.4	76.6	115.0	
141	44.6	31.4	47.2	





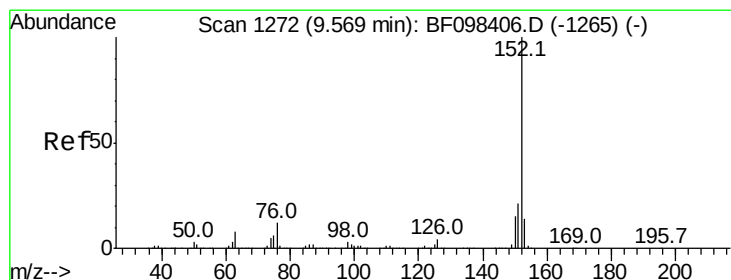
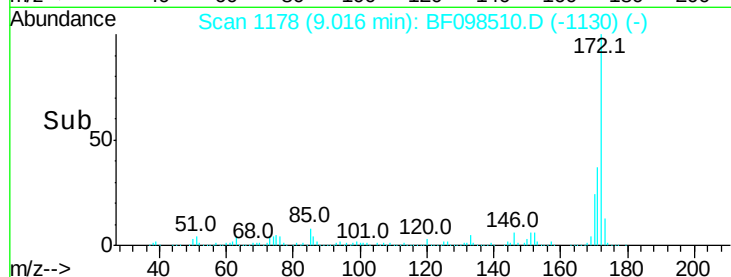
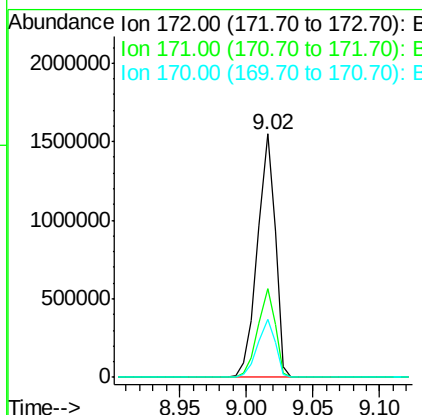
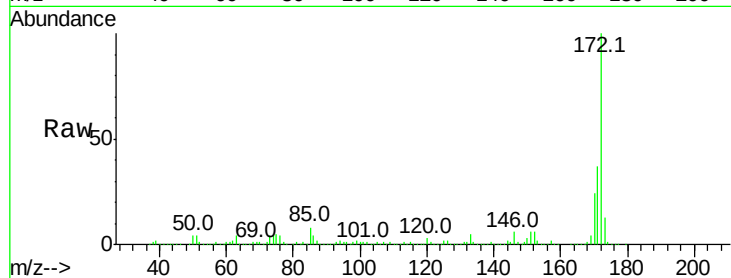
#44
2-Fluorobiphenyl
Concen: 90.526 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.02 min
Lab File: BF098510.D
Acq: 14 Sep 2017 00:58

Instrument :
BNA_F
ClientSampleId :
G-9A-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	24.0	19.8	29.8

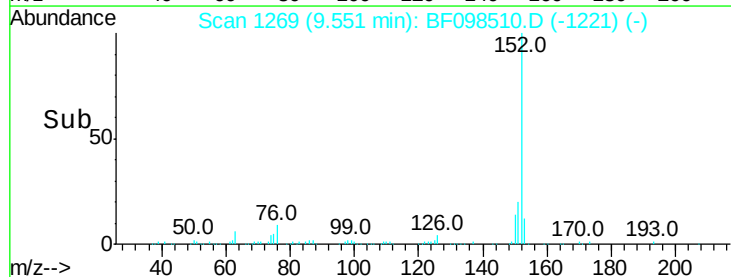
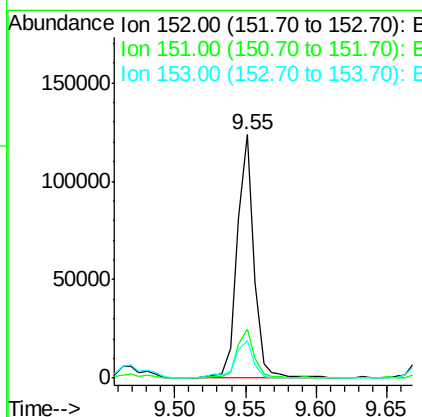
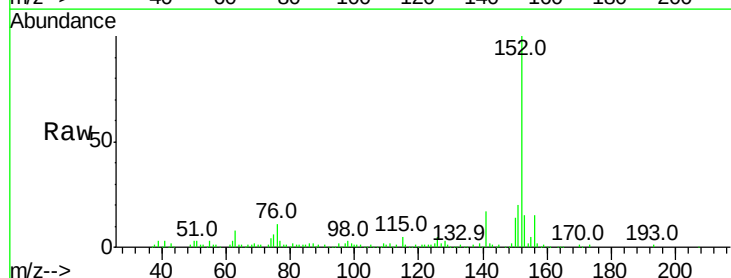
Manual Integrations
APPROVED

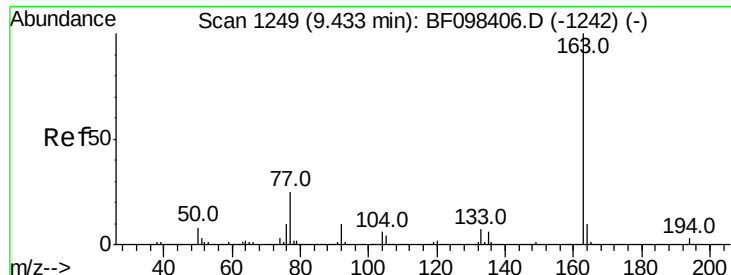
Sohil
9/14/2017 5:53:05 PM



#48
Acenaphthylene
Concen: 4.097 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF098510.D
Acq: 14 Sep 2017 00:58

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.8	25.2
153	15.4	10.8	16.2





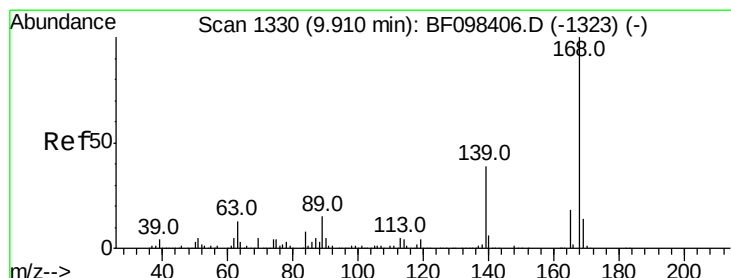
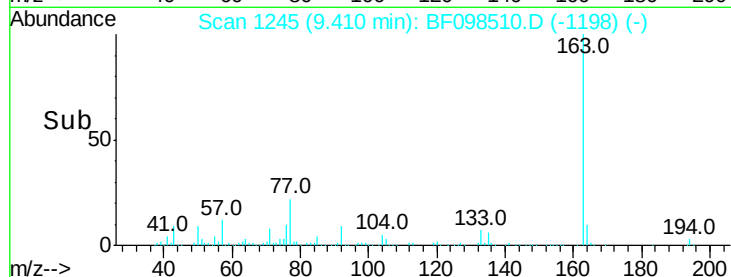
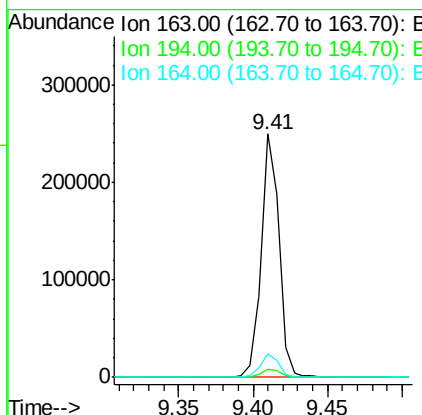
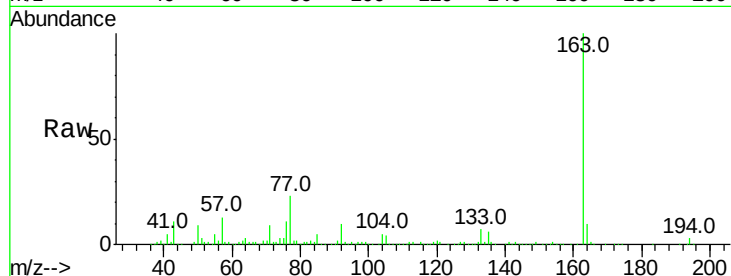
#49
Dimethylphthalate
Concen: 9.871 ng
RT: 9.41 min Scan# 1245
Delta R.T. -0.02 min
Lab File: BF098510.D
Acq: 14 Sep 2017 00:58

Instrument :
BNA_F
ClientSampleId :
G-9A-1

Tot Ion	Ratio	Resp	Lower	Upper
163	100	201781		
194	3.1	2.6	4.0	
164	9.8	8.4	12.6	

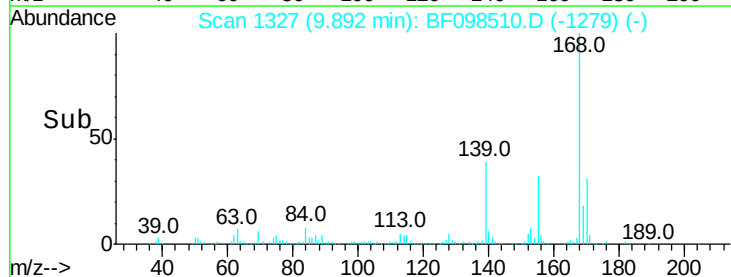
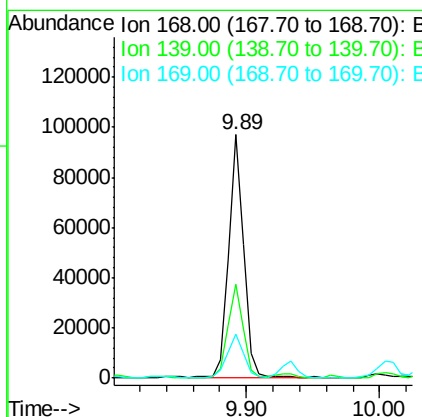
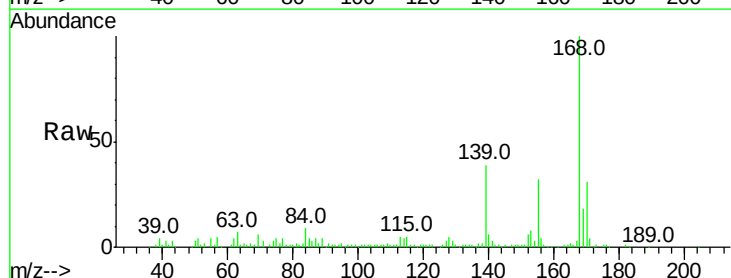
Manual Integrations
APPROVED

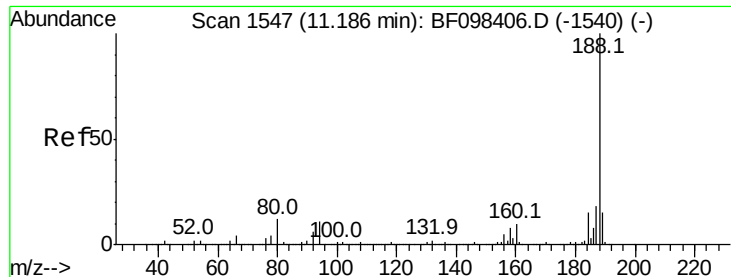
Sohil
9/14/2017 5:53:05 PM



#54
Dibenzofuran
Concen: 3.738 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.02 min
Lab File: BF098510.D
Acq: 14 Sep 2017 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	78566		
139	38.6	30.6	45.8	
169	18.3	10.8	16.2	





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.17 min Scan# 1544

Delta R.T. -0.02 min

Lab File: BF098510.D

Acq: 14 Sep 2017 00:58

Instrument :

BNA_F

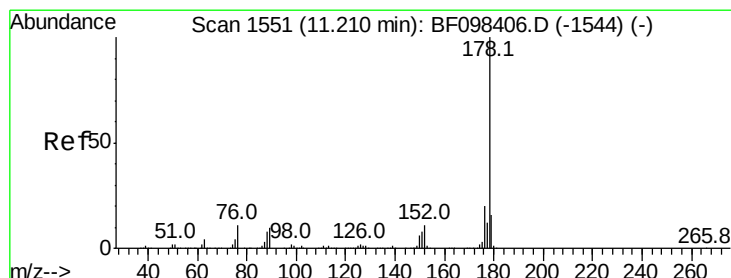
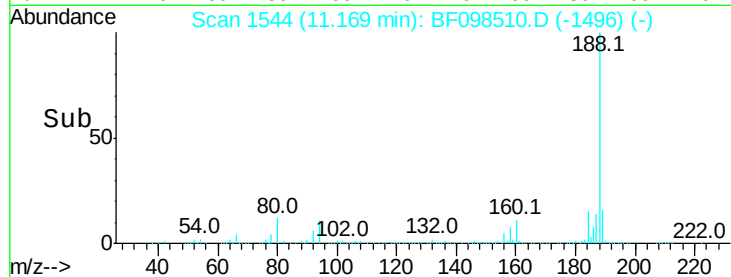
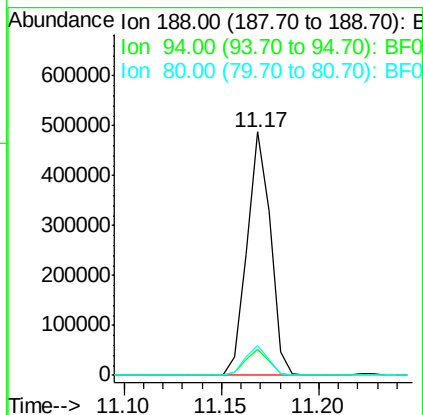
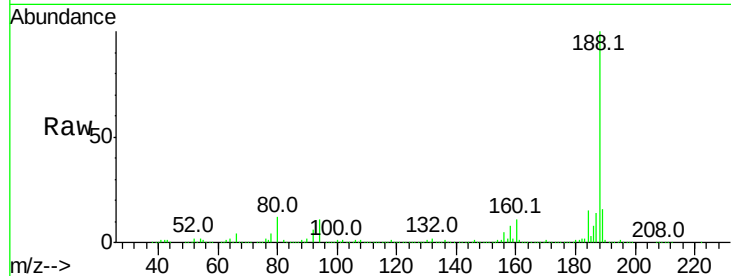
ClientSampleId :

G-9A-1

Tot Ion:	188	Resp:	407049
Ion Ratio	Lower	Upper	
188	100		
94	10.9	9.4	14.2
80	12.1	10.2	15.2

Manual Integrations
APPROVED

Sohil
9/14/2017 5:53:05 PM



#70

Phenanthrene

Concen: 10.979 ng

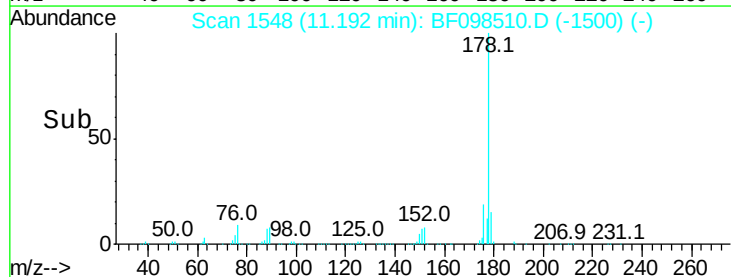
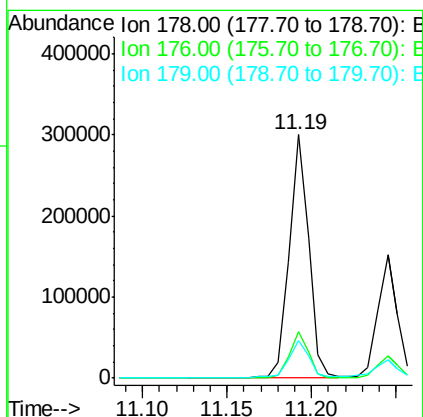
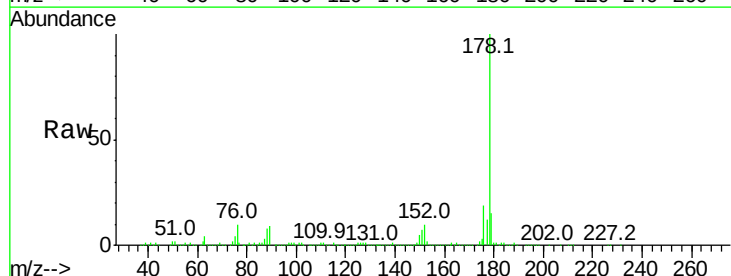
RT: 11.19 min Scan# 1548

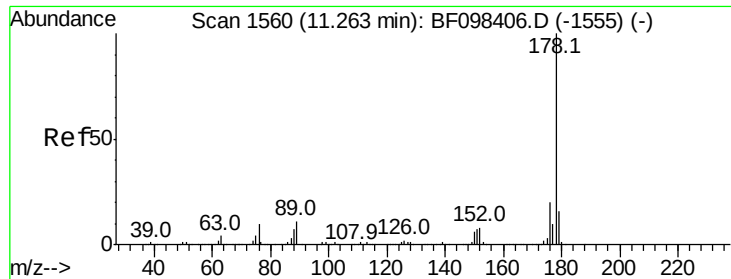
Delta R.T. -0.02 min

Lab File: BF098510.D

Acq: 14 Sep 2017 00:58

Tgt Ion:	178	Resp:	236924
Ion Ratio	Lower	Upper	
178	100		
176	19.0	16.2	24.4
179	15.2	12.6	19.0





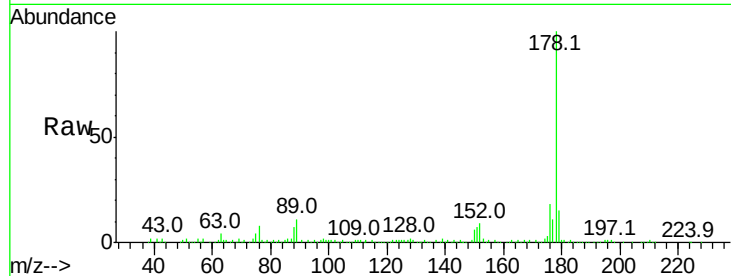
#71
 Anthracene
 Concen: 5.444 ng
 RT: 11.24 min Scan# 1557
 Delta R.T. -0.02 min
 Lab File: BF098510.D
 Acq: 14 Sep 2017 00:58

Instrument :
 BNA_F
 ClientSampled :
 G-9A-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.8	23.8
179	14.6	12.7	19.1

Manual Integrations
 APPROVED

Sohil
 9/14/2017 5:53:05 PM



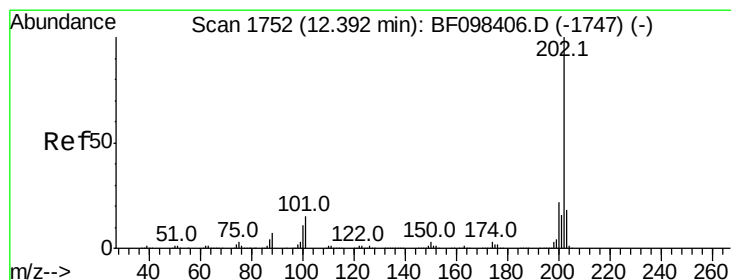
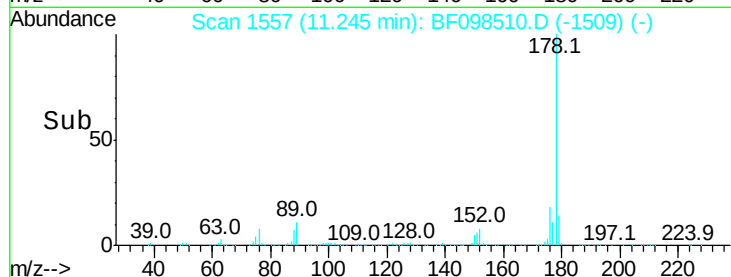
Abundance

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

Time-->



#74
 Fluoranthene
 Concen: 14.763 ng
 RT: 12.38 min Scan# 1750
 Delta R.T. -0.01 min
 Lab File: BF098510.D
 Acq: 14 Sep 2017 00:58

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.2
203	18.8	0.0	38.1

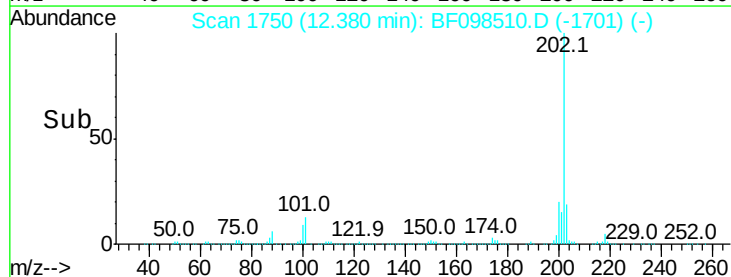
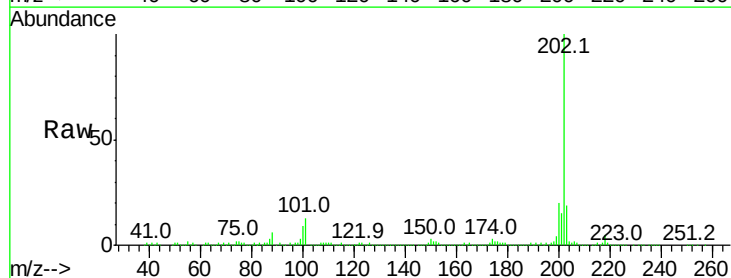
Abundance

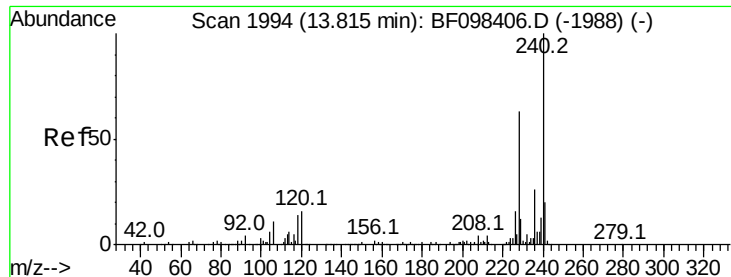
Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF098510.D

Acq: 14 Sep 2017 00:58

Instrument :

BNA_F

ClientSampleId :

G-9A-1

Tot Ion:240 Resp: 317023
Ion Ratio Lower Upper

240 100

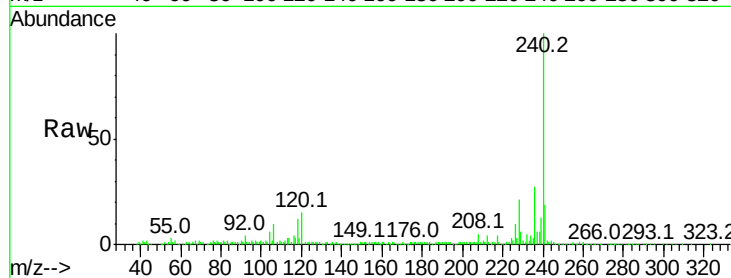
120 14.8 5.8 8.8#

236 26.8 20.5 30.7

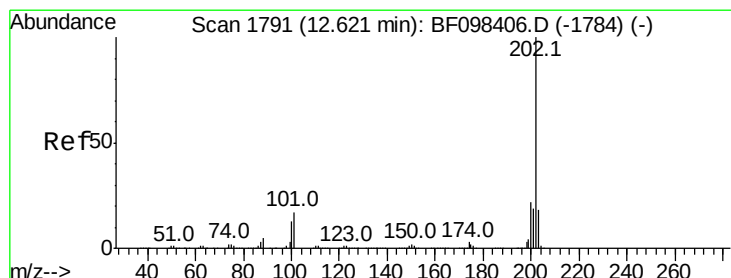
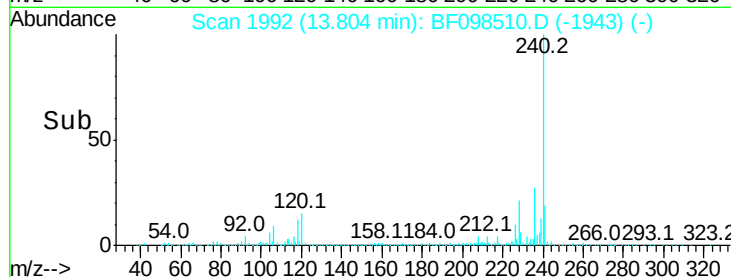
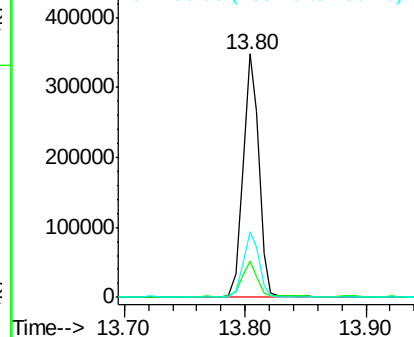
Manual Integrations
APPROVED

Sohil

9/14/2017 5:53:05 PM



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: 12.859 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BF098510.D

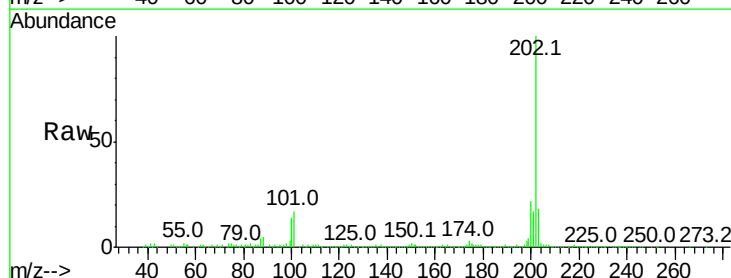
Acq: 14 Sep 2017 00:58

Tgt Ion:202 Resp: 321598
Ion Ratio Lower Upper

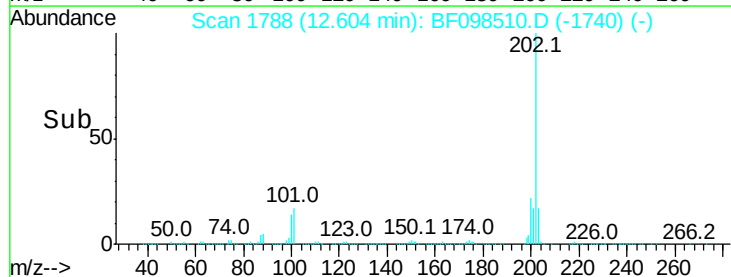
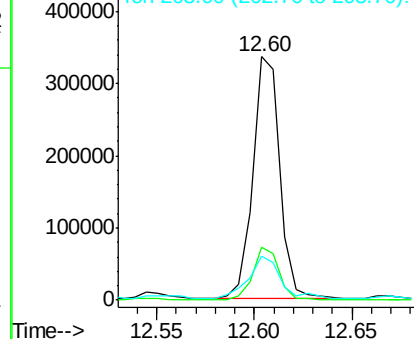
202 100

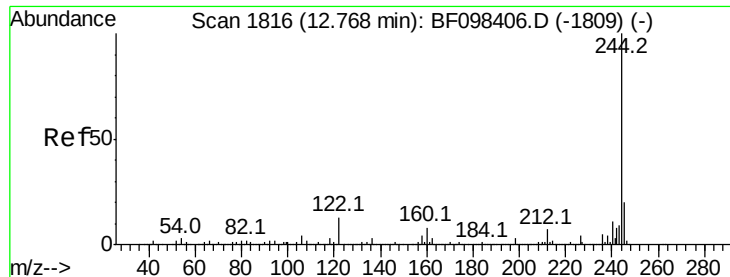
200 21.8 17.6 26.4

203 17.9 14.4 21.6



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: 63.752 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF098510.D

Acq: 14 Sep 2017 00:58

Instrument :

BNA_F

ClientSampled :

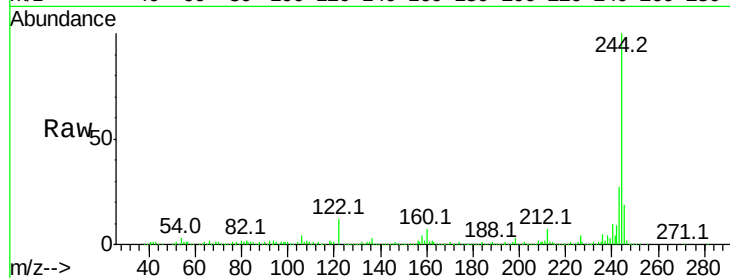
G-9A-1

Tot Ion:	244	Resp:	936353
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	11.9	10.3	15.5

Manual Integrations
APPROVED

Sohil

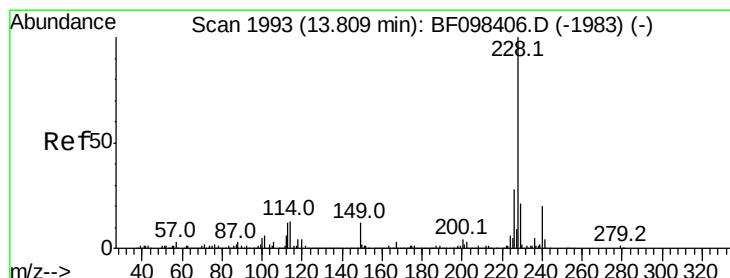
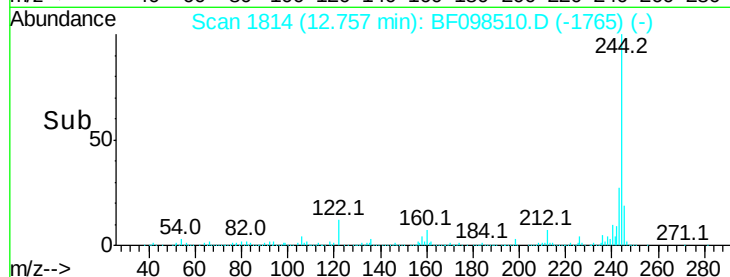
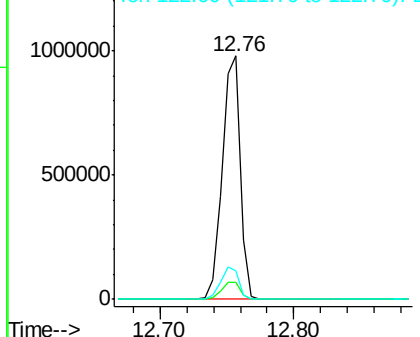
9/14/2017 5:53:05 PM



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: 11.205 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.02 min

Lab File: BF098510.D

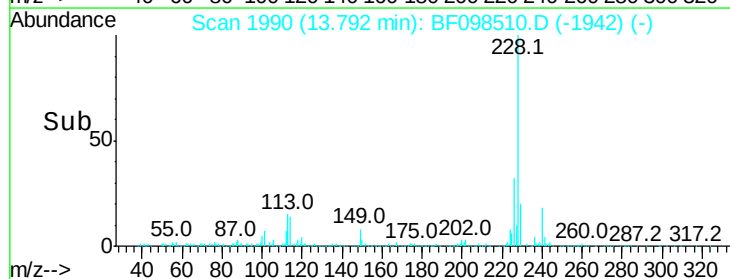
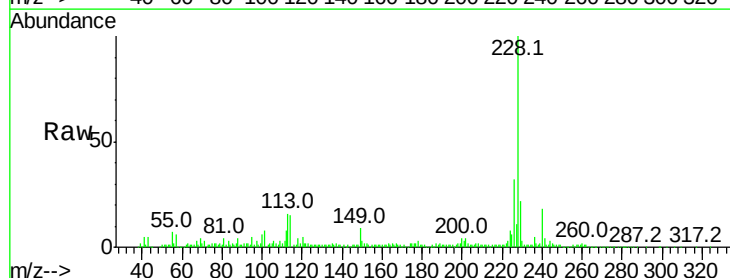
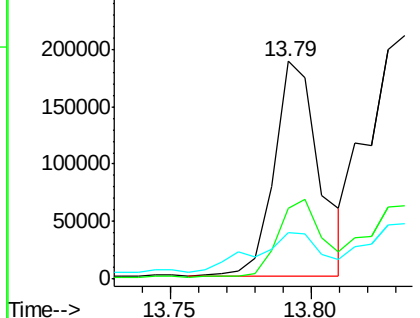
Acq: 14 Sep 2017 00:58

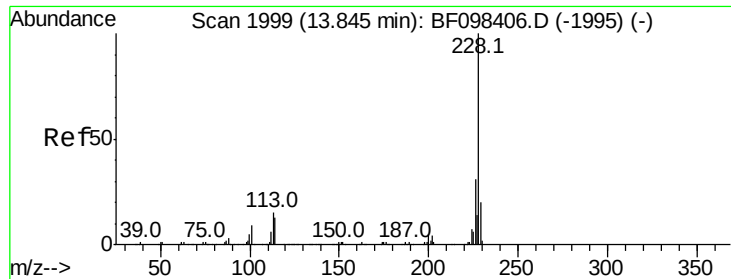
Tgt Ion:	228	Resp:	208260
Ion Ratio	Lower	Upper	
228	100		
226	32.3	22.6	33.8
229	21.6	16.3	24.5

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





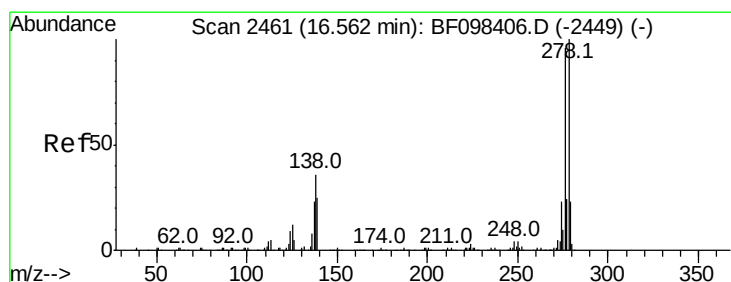
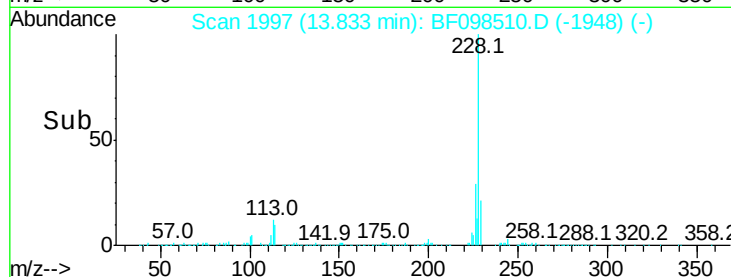
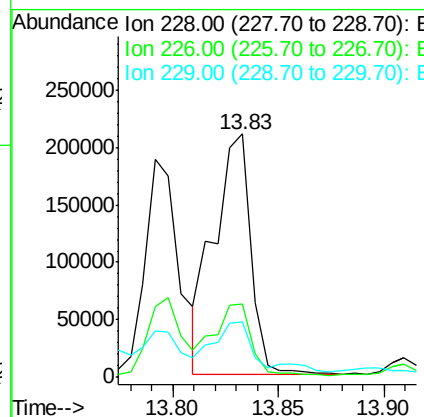
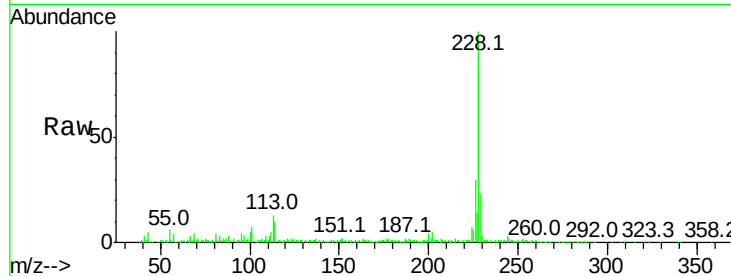
#82
Chrysene
Concen: 13.504 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF098510.D
Acq: 14 Sep 2017 00:58

Instrument :
BNA_F
ClientSampled :
G-9A-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.9	37.3
229	23.0	15.8	23.6

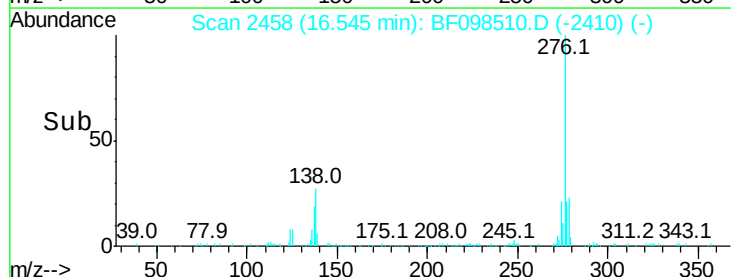
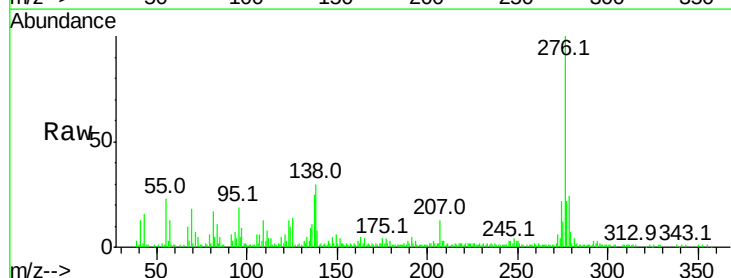
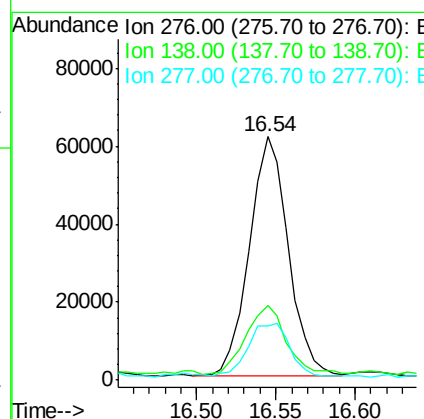
Manual Integrations
APPROVED

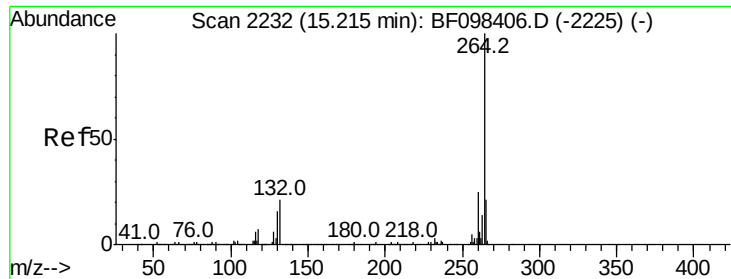
Sohil
9/14/2017 5:53:05 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 7.969 ng
RT: 16.54 min Scan# 2458
Delta R.T. -0.02 min
Lab File: BF098510.D
Acq: 14 Sep 2017 00:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.2	27.8	41.6
277	24.1	20.2	30.4





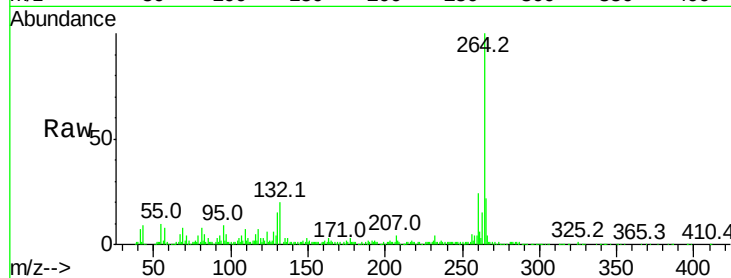
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF098510.D
Acq: 14 Sep 2017 00:58

Instrument :
BNA_F
ClientSampled :
G-9A-1

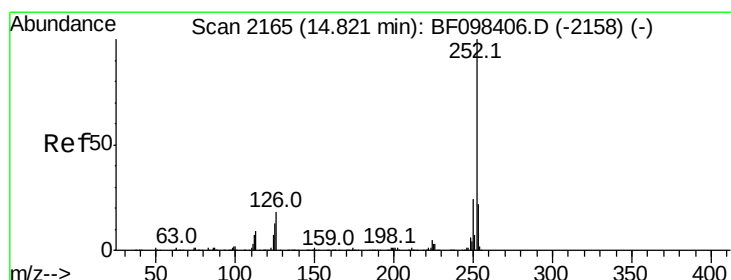
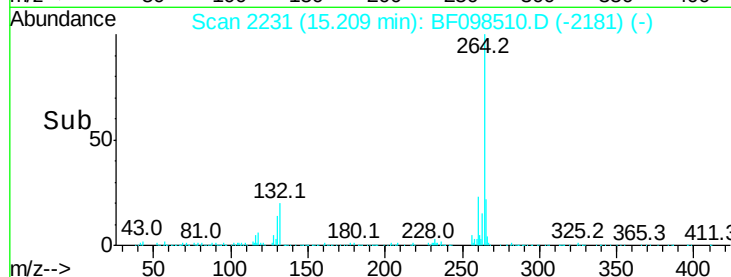
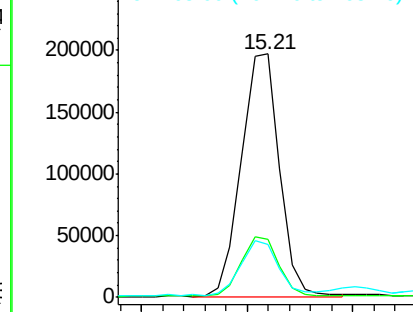
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.8	17.2	25.8

Manual Integrations
APPROVED

Sohil
9/14/2017 5:53:05 PM

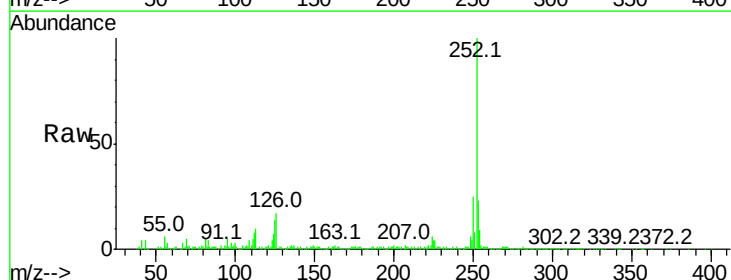


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

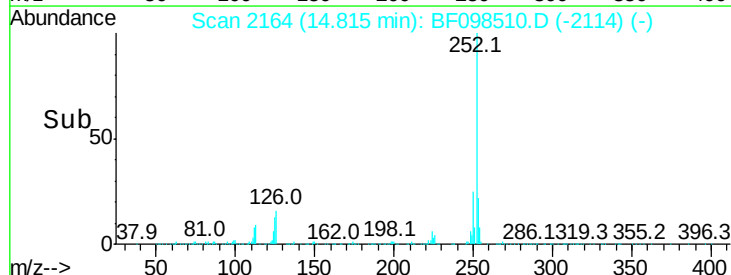
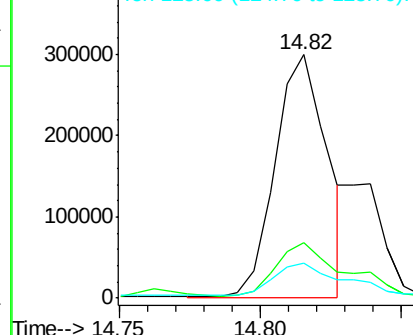


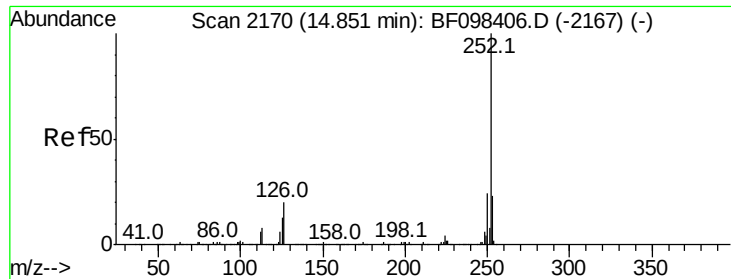
#87
Benzo(b)fluoranthene
Concen: 24.616 ng m
RT: 14.82 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF098510.D
Acq: 14 Sep 2017 00:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	14.1	9.8	14.8



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





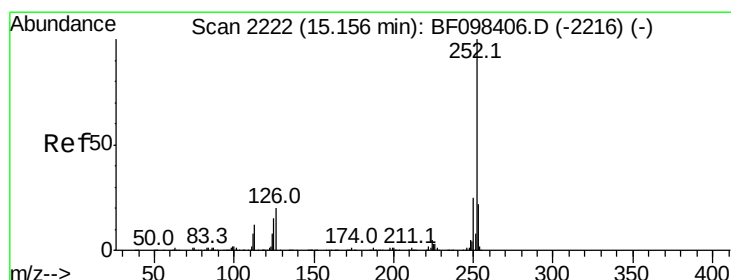
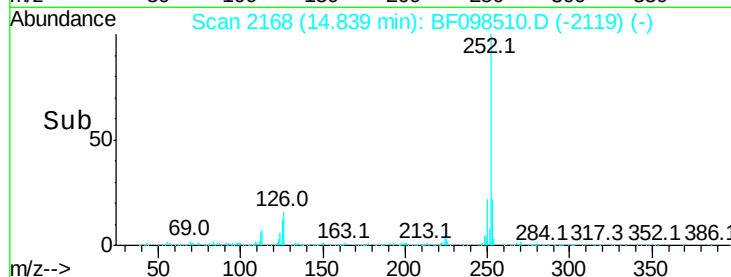
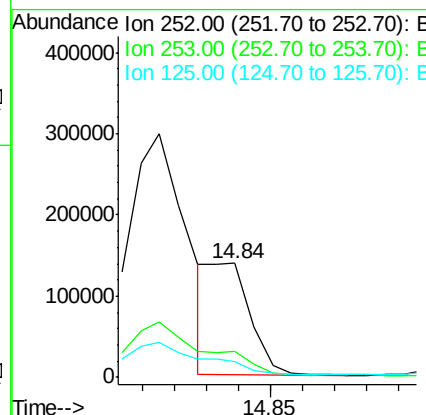
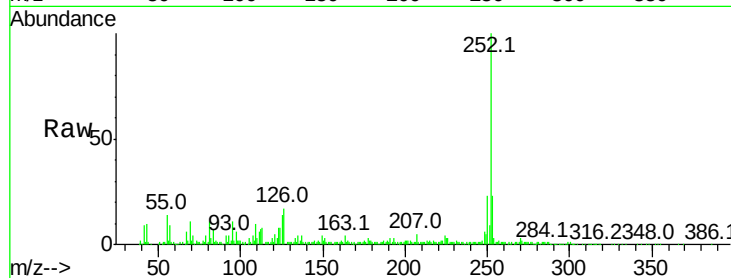
#88
Benzo(k)fluoranthene
Concen: 8.581 ng m
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF098510.D
Acq: 14 Sep 2017 00:58

Instrument :
BNA_F
ClientSampled :
G-9A-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	14.3	13.1	19.7

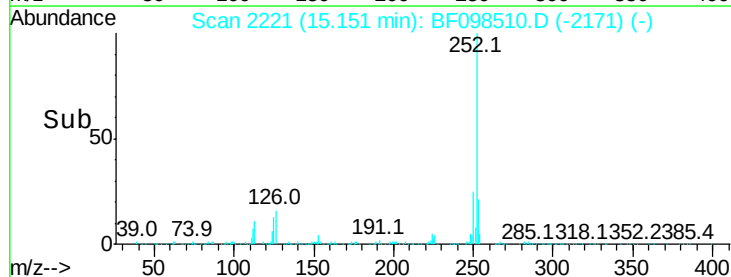
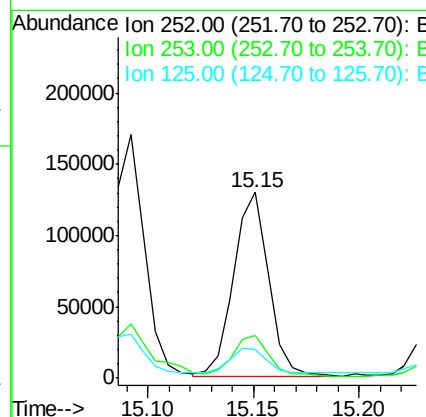
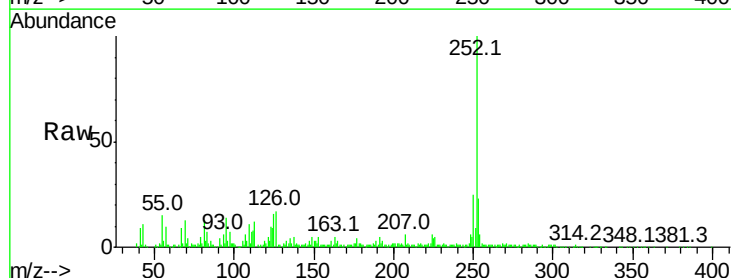
Manual Integrations
APPROVED

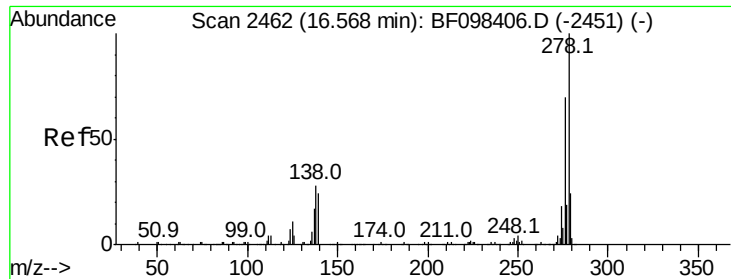
Sohil
9/14/2017 5:53:05 PM



#89
Benzo(a)pyrene
Concen: 10.690 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF098510.D
Acq: 14 Sep 2017 00:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	15.6	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 2.761 ng

RT: 16.54 min Scan# 2458

Delta R.T. -0.02 min

Lab File: BF098510.D

Acq: 14 Sep 2017 00:58

Instrument :

BNA_F

ClientSampled :

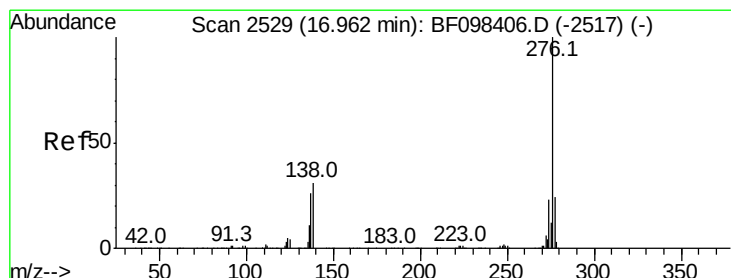
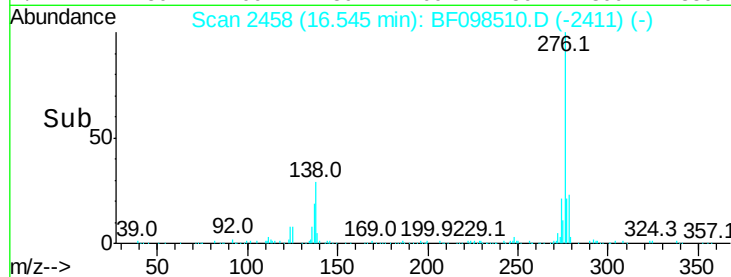
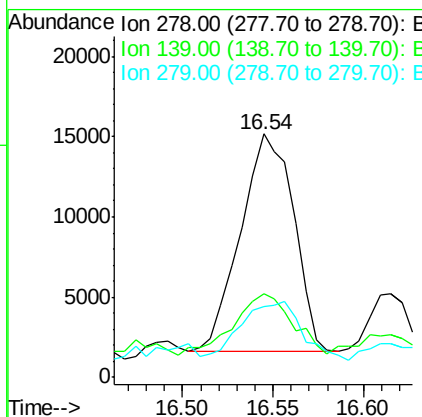
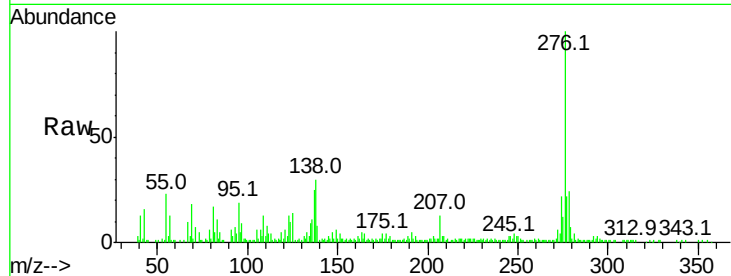
G-9A-1

Tot Ion:	278	Resp:	27733
Ion Ratio	Lower	Upper	
278	100		
139	34.6	16.6	24.8#
279	29.1	19.3	28.9#

Manual Integrations
APPROVED

Sohil

9/14/2017 5:53:05 PM



#91

Benzo(g,h,i)perylene

Concen: 9.112 ng

RT: 16.95 min Scan# 2527

Delta R.T. -0.01 min

Lab File: BF098510.D

Acq: 14 Sep 2017 00:58

Tgt Ion:	276	Resp:	92054
Ion Ratio	Lower	Upper	
276	100		
277	24.2	18.6	28.0
138	28.9	25.4	38.0

