

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
 Data File : BF096181.D
 Acq On : 24 Jun 2017 10:12
 Operator : SJ/MA
 Sample : I3870-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW26D-GW

Manual Integrations
 APPROVED

mohammad
 6/29/2017 3:44:12 PM

Quant Time: Jun 29 13:19:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.27	152	66918	20.00	ng	-0.02
21) Naphthalene-d8	9.38	136	85402	20.00	ng	0.05
38) Acenaphthene-d10	12.12	164	126644	20.00	ng	-0.03
63) Phenanthrene-d10	14.52	188	207437	20.00	ng	-0.02
75) Chrysene-d12	18.25	240	157841	20.00	ng	-0.02
86) Perylene-d12	19.93	264	118774	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	56506m	13.46	ng	0.12
7) Phenol-d6	6.91	99	50566	10.06	ng	0.04
23) Nitrobenzene-d5	8.21	82	313109	227.69	ng	-0.01
41) 2,4,6-Tribromophenol	13.42	330	13705	12.23	ng	-0.03
44) 2-Fluorobiphenyl	11.09	172	624131	68.58	ng	-0.02
78) Terphenyl-d14	16.90	244	461725	72.60	ng	-0.02
Target Compounds						Qvalue
3) Pyridine	2.21	79	94526	20.13	ng	96
6) Aniline	6.78	93	333567	50.71	ng	95
10) Phenol	6.94	94	31905	6.12	ng	95
17) 2-Methylphenol	7.82	107	257349	68.68	ng	98
20) 3+4-Methylphenols	8.10	107	482521	101.44	ng	# 51
27) 2,4-Dimethylphenol	8.97	122	1197831	1003.43	ng	98
31) Naphthalene	9.47	128	23046985m	5377.23	ng	
37) 2-Methylnaphthalene	10.50	142	2236901	772.44	ng	99
45) 1,1'-Biphenyl	11.23	154	388469	37.22	ng	98
48) Acenaphthylene	11.89	152	194345	13.94	ng	99
49) Dimethylphthalate	11.80	163	54436	5.66	ng	# 95
51) Acenaphthene	12.18	154	573325	71.18	ng	99
54) Dibenzofuran	12.47	168	732537	64.62	ng	99
57) Fluorene	13.02	166	460357	46.67	ng	97
70) Phenanthrene	14.56	178	669198	55.91	ng	98
71) Anthracene	14.64	178	113442m	9.08	ng	
72) Carbazole	14.96	167	565826	46.47	ng	97
74) Fluoranthene	16.34	202	113086	9.55	ng	95
77) Pyrene	16.65	202	80530	6.84	ng	96

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

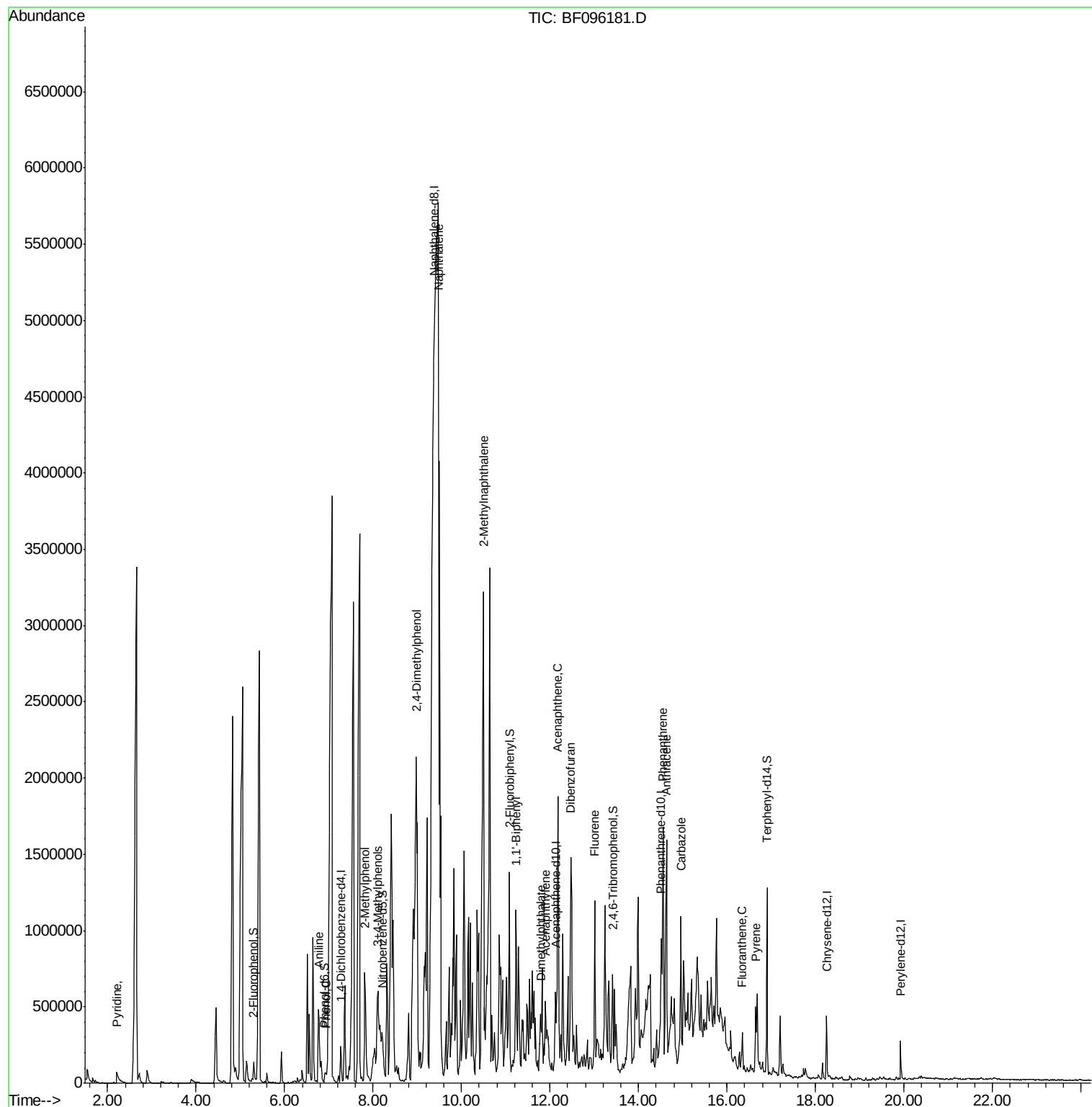
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062417\
Data File : BF096181.D
Acq On : 24 Jun 2017 10:12
Operator : SJ/MA
Sample : I3870-02
Misc :
ALS Vial : 3 Sample Multiplier: 1

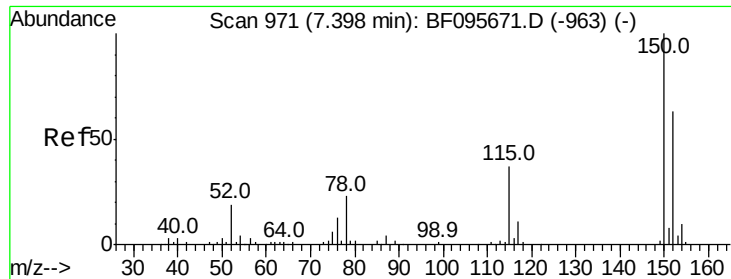
Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26D-GW

Manual Integrations
APPROVED

mohammad
6/29/2017 3:44:12 PM

Quant Time: Jun 29 13:19:48 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 20 16:05:47 2017
Response via : Initial Calibration





#1

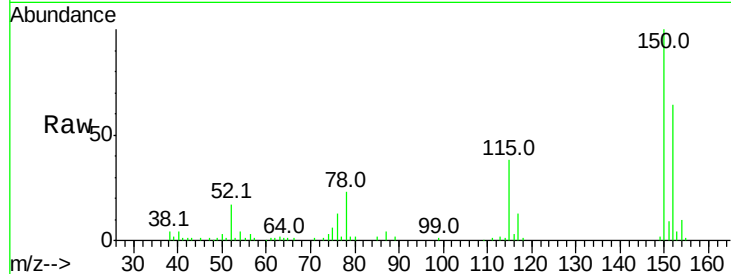
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.27 min Scan# 983
Delta R.T. -0.02 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26D-GW

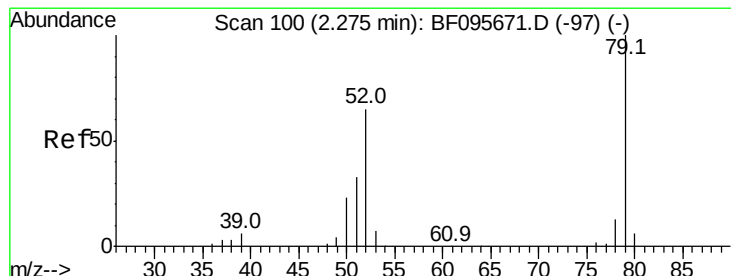
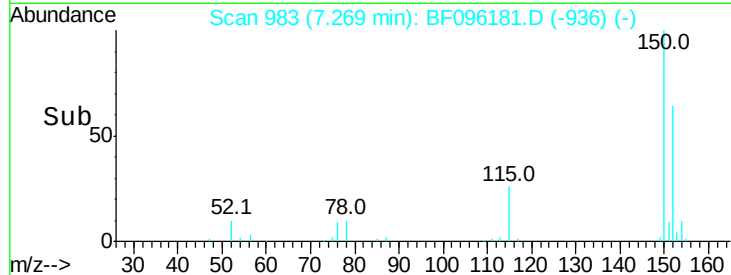
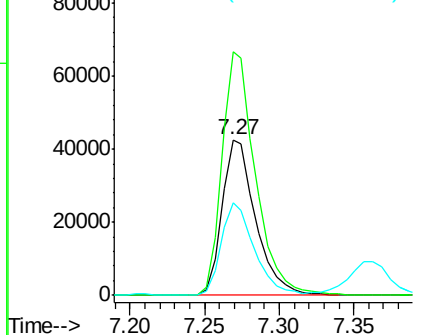
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	126.2	189.2
115	59.5	52.2	78.2

Manual Integrations
APPROVED

mohammad
6/29/2017 3:44:12 PM



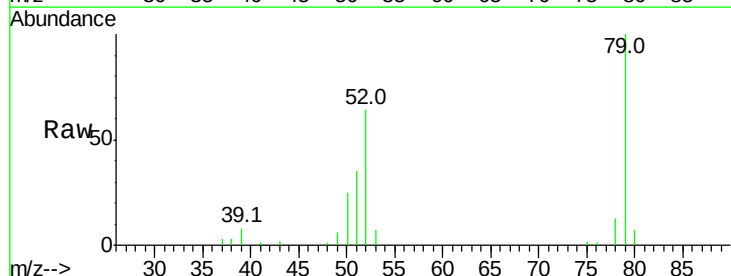
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



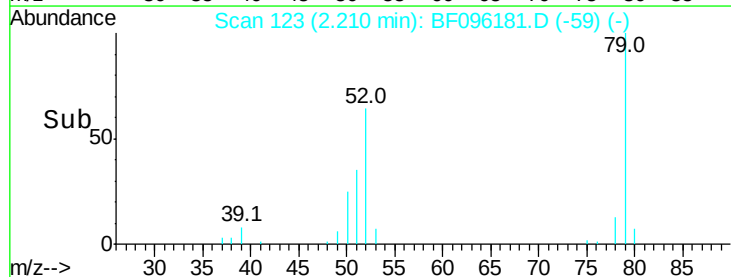
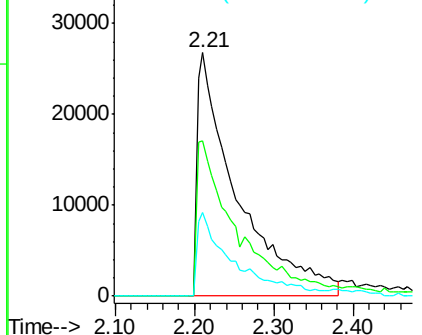
#3

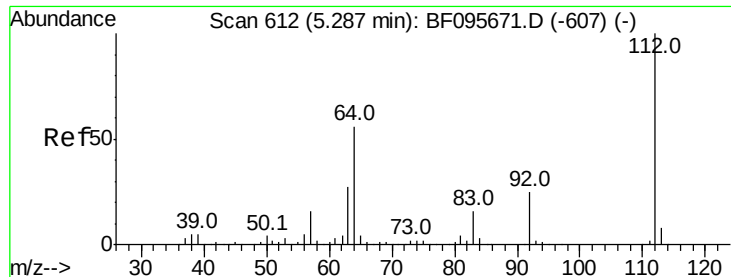
Pyridine
Concen: 20.13 ng
RT: 2.21 min Scan# 123
Delta R.T. 0.08 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

Tgt Ion	Ratio	Lower	Upper
79	100		
52	64.0	54.8	82.2
51	34.6	27.0	40.4



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 52.00 (51.70 to 52.70): BF0
Ion 51.00 (50.70 to 51.70): BF0





#5

2-Fluorophenol

Concen: 13.46 ng/mL

RT: 5.30 min Scan# 649

Delta R.T. 0.12 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

Instrument :

BNA_F

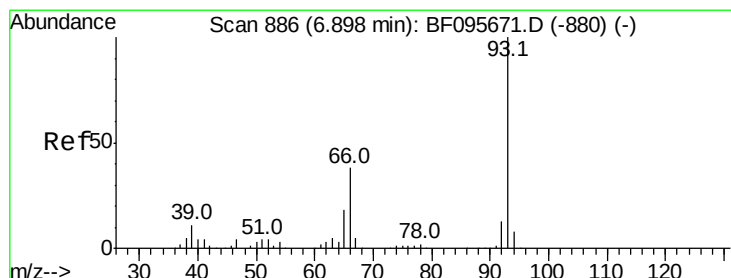
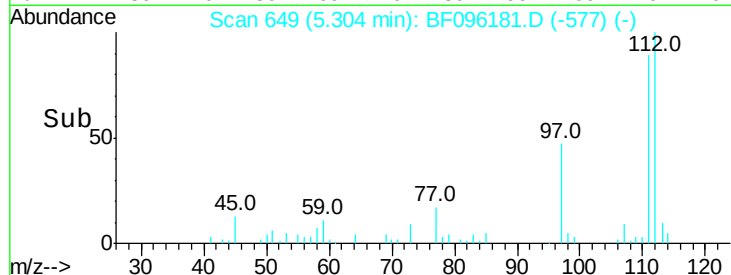
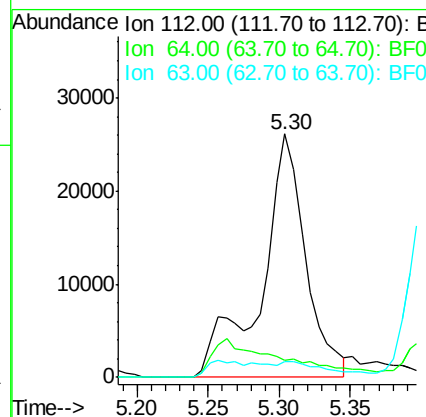
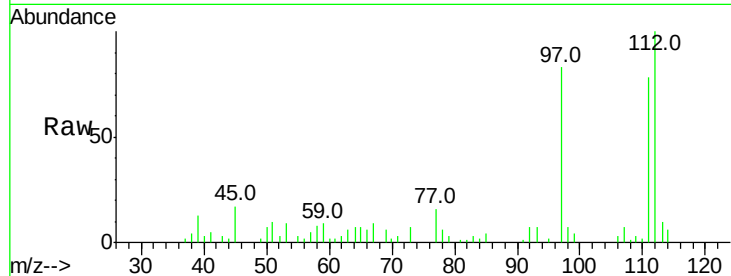
ClientSampleId :

QNWP8-MW26D-GW

Tot Ion:	112	Resp:	56506
Ion Ratio	Lower	Upper	
112	100		
64	7.0	46.0	69.0#
63	6.3	23.4	35.0#

Manual Integrations
APPROVED

mohammad
6/29/2017 3:44:12 PM



#6

Aniline

Concen: 50.71 ng

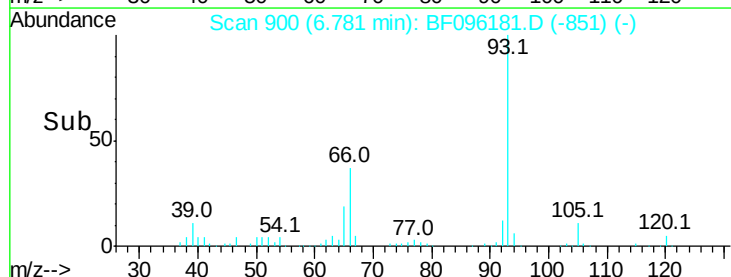
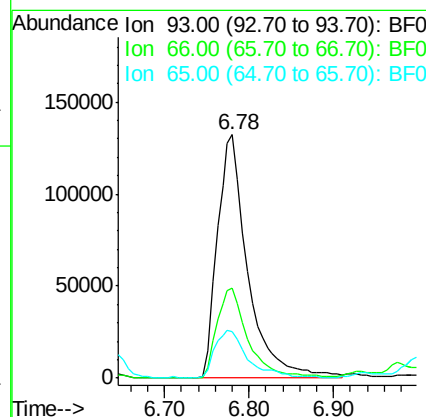
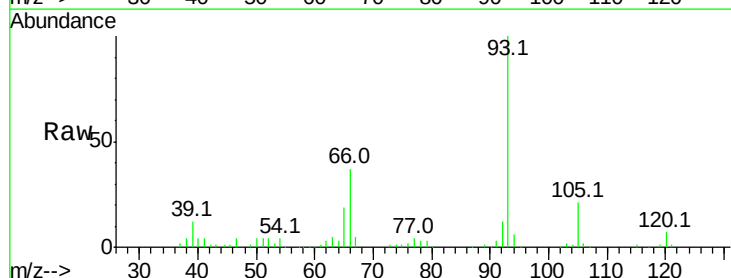
RT: 6.78 min Scan# 900

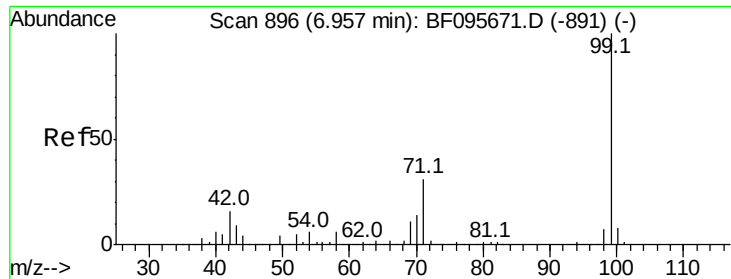
Delta R.T. -0.01 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

Tgt Ion:	93	Resp:	333567
Ion Ratio	Lower	Upper	
93	100		
66	37.0	32.9	49.3
65	19.3	16.0	24.0





#7

Phenol-d6

Concen: 10.06 ng

RT: 6.91 min Scan# 922

Delta R.T. 0.04 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

Instrument :

BNA_F

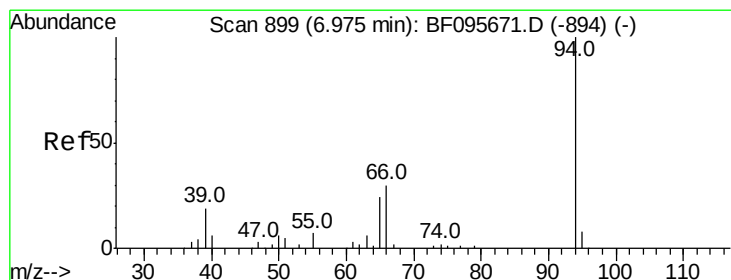
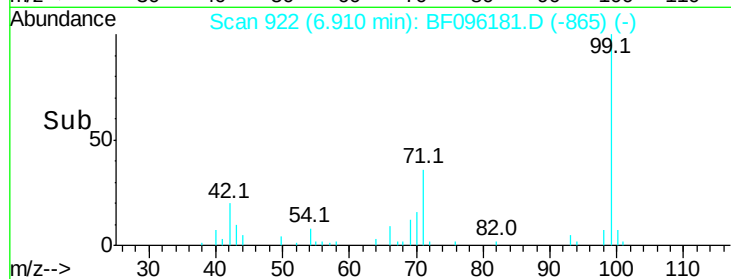
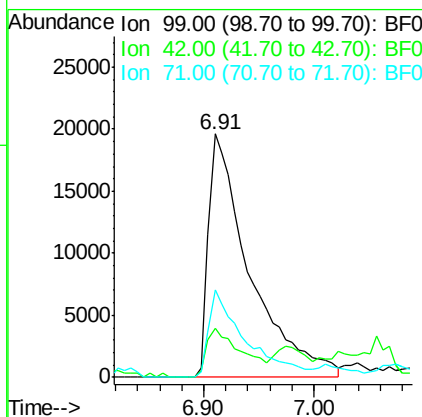
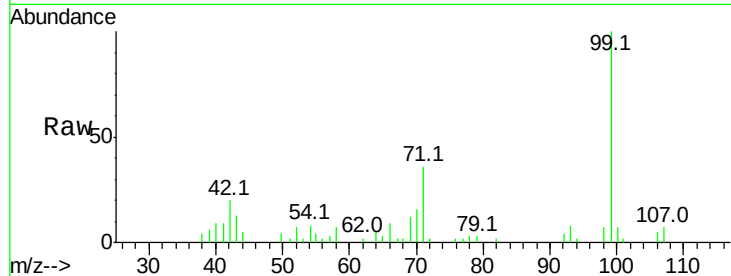
ClientSampleId :

QNWP8-MW26D-GW

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		50566		
42	20.3	13.5	20.3		
71	35.7	24.5	36.7		

Manual Integrations
APPROVED

mohammad
6/29/2017 3:44:12 PM



#10

Phenol

Concen: 6.12 ng

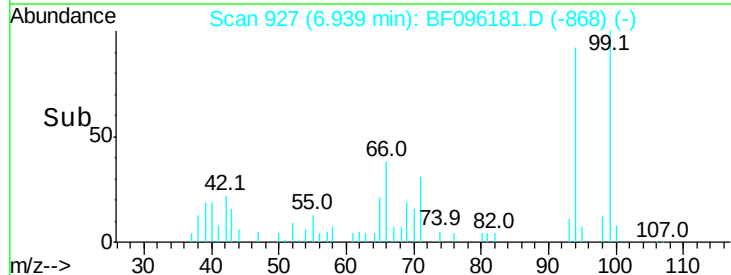
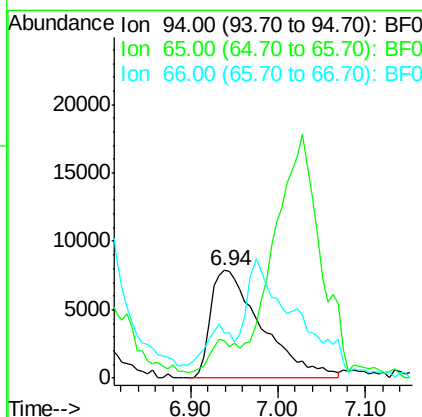
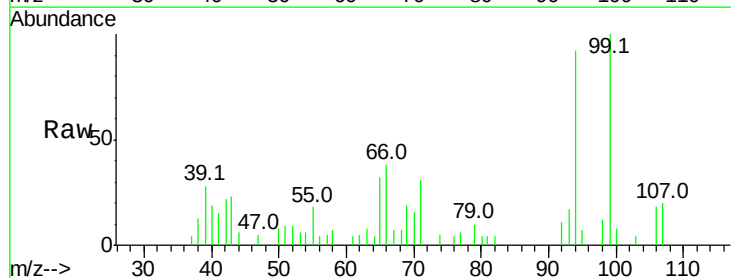
RT: 6.94 min Scan# 927

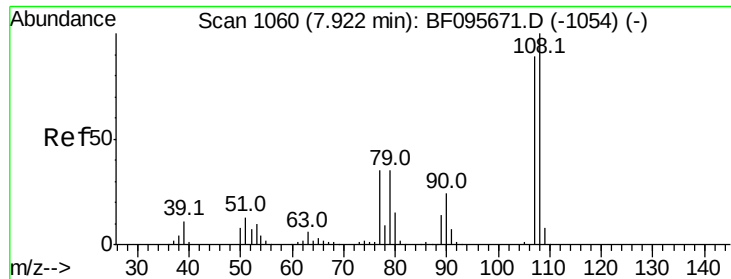
Delta R.T. 0.05 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		31905		
65	34.8	9.9	49.9		
66	41.5	23.1	63.1		





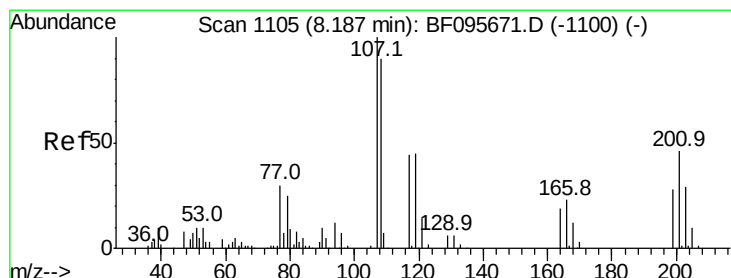
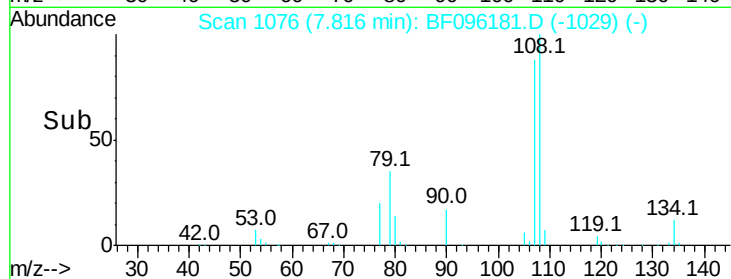
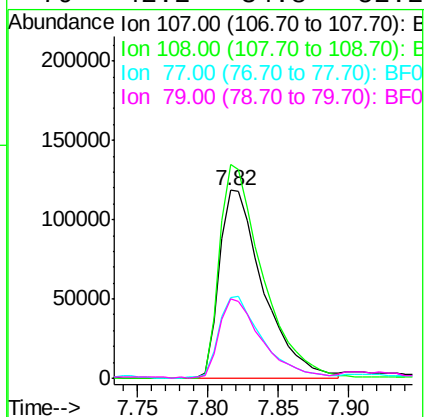
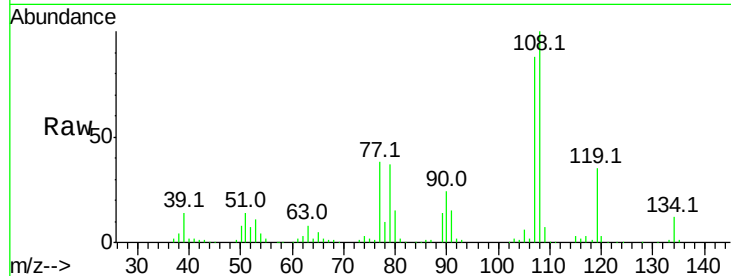
#17
2-Methylphenol
Concen: 68.68 ng
RT: 7.82 min Scan# 1076
Delta R.T. -0.02 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26D-GW

Tot Ion	Ratio	Resp	Lower	Upper
107	100	257349		
108	113.8		93.4	140.0
77	43.2		35.8	53.6
79	42.2		34.8	52.2

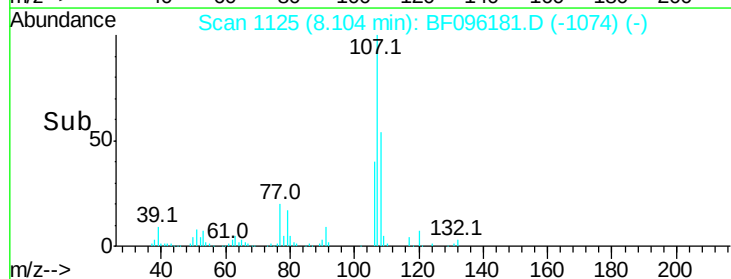
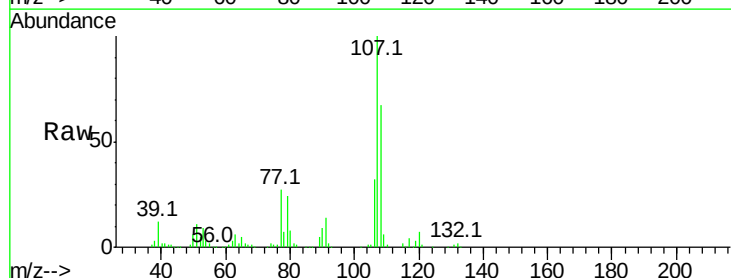
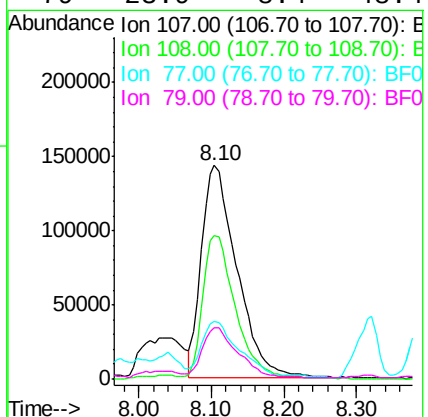
Manual Integrations
APPROVED

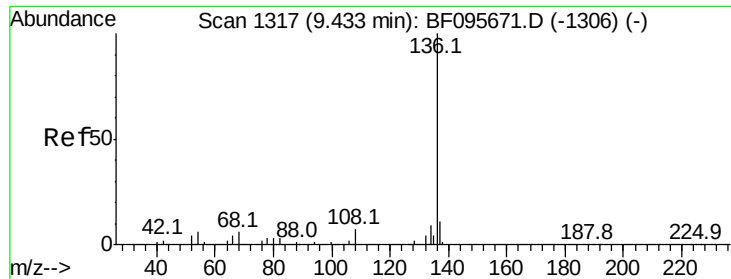
mohammad
6/29/2017 3:44:12 PM



#20
3+4-Methylphenols
Concen: 101.44 ng
RT: 8.10 min Scan# 1125
Delta R.T. 0.00 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	482521		
108	67.3		71.0	111.0#
77	26.8		90.5	130.5#
79	23.9		8.4	48.4





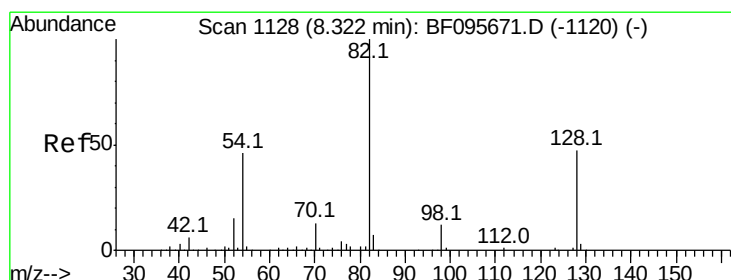
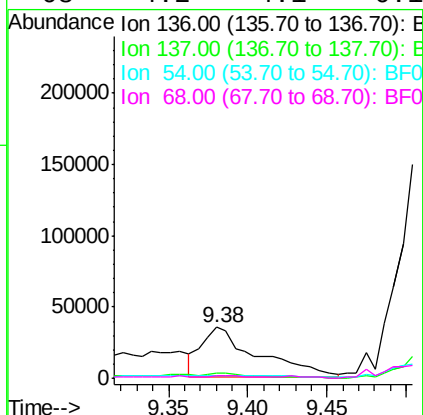
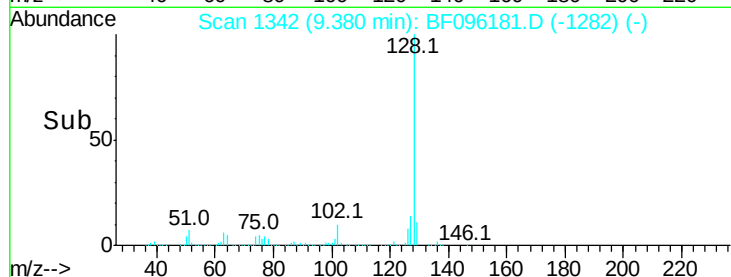
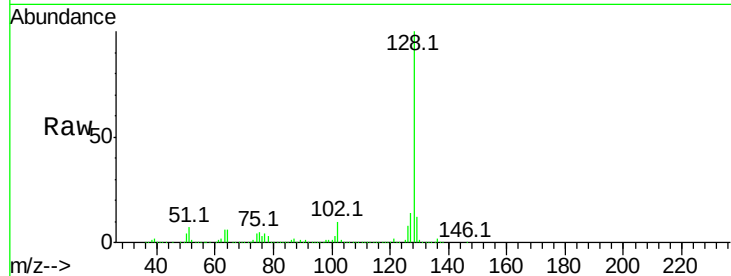
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.38 min Scan# 1342
Delta R.T. 0.05 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26D-GW

Tot Ion	136	Resp	85402
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.5	12.7
54	5.9	4.9	7.3
68	4.2	4.1	6.1

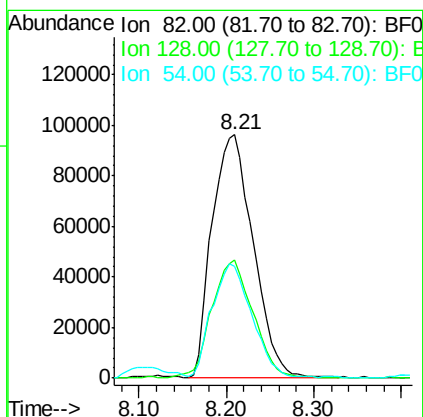
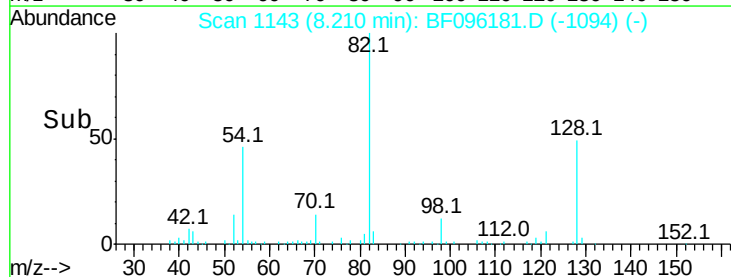
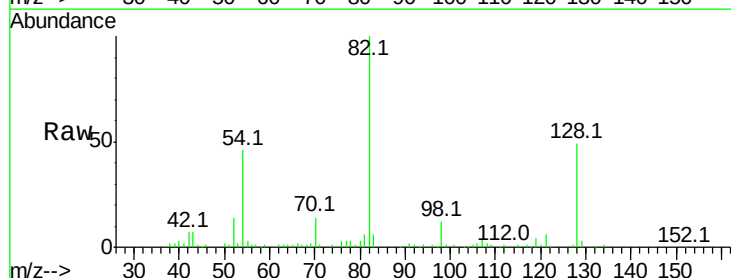
Manual Integrations
APPROVED

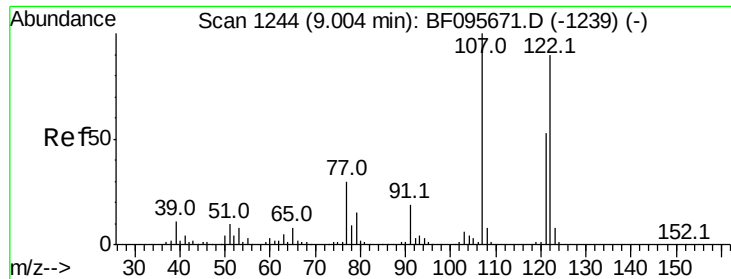
mohammad
6/29/2017 3:44:12 PM



#23
Nitrobenzene-d5
Concen: 227.69 ng
RT: 8.21 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

Tgt Ion	82	Resp	313109
Ion Ratio	Lower	Upper	
82	100		
128	48.6	34.0	51.0
54	45.7	42.2	63.2





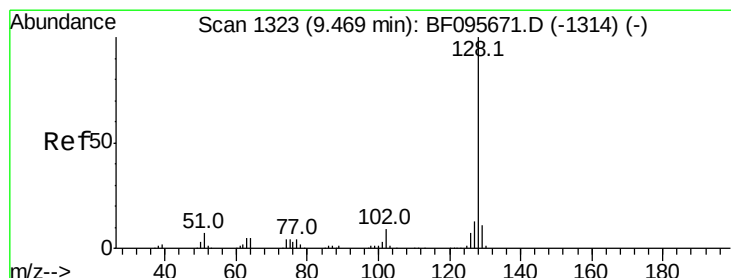
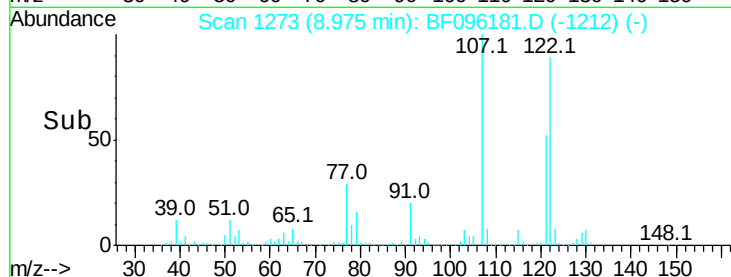
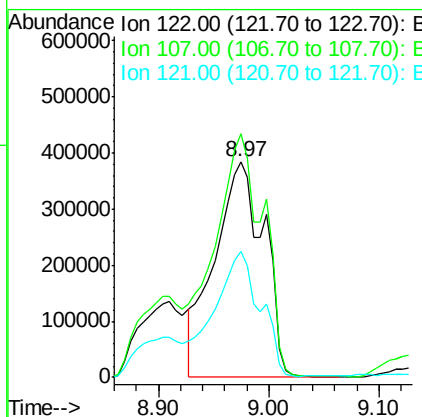
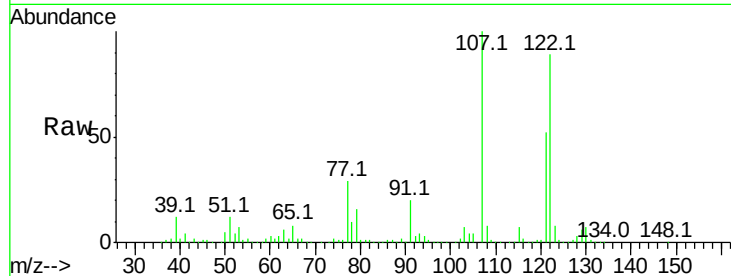
#27
2,4-Dimethylphenol
Concen: 1003.43 ng
RT: 8.97 min Scan# 1273
Delta R.T. 0.06 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26D-GW

Tot Ion	Ratio	Lower	Upper
122	100		
107	112.8	89.2	133.8
121	58.4	45.2	67.8

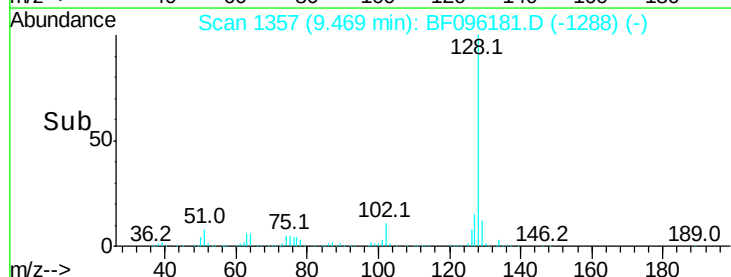
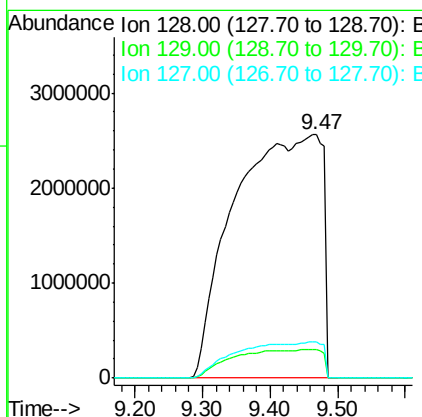
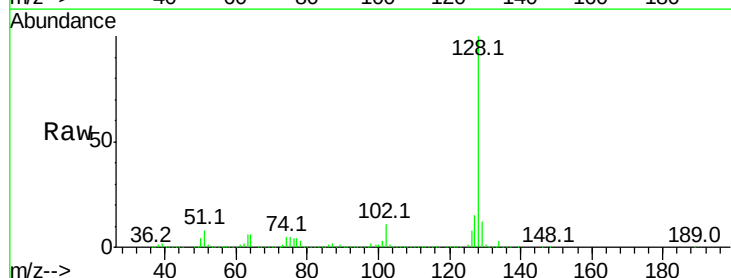
Manual Integrations
APPROVED

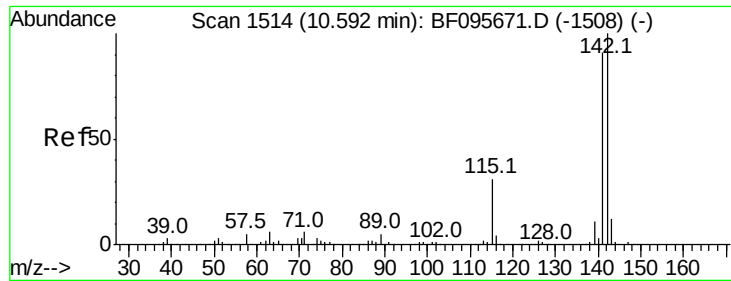
mohammad
6/29/2017 3:44:12 PM



#31
Naphthalene
Concen: 5377.23 ng m
RT: 9.47 min Scan# 1357
Delta R.T. 0.11 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.0	13.6
127	14.7	10.8	16.2





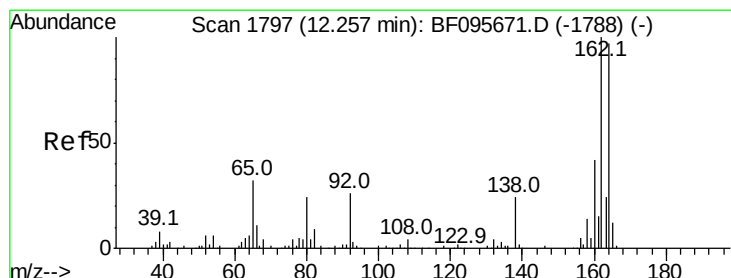
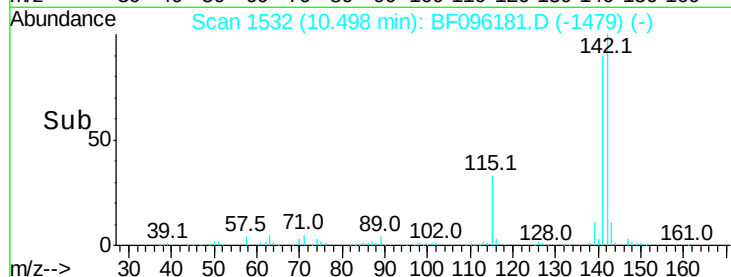
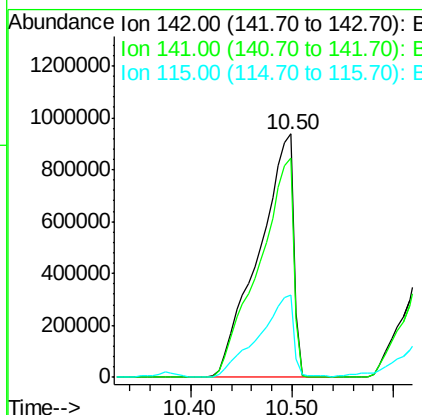
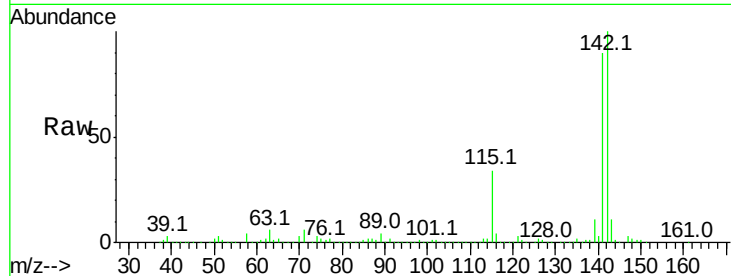
#37
2-Methylnaphthalene
Concen: 772.44 ng
RT: 10.50 min Scan# 1532
Delta R.T. 0.01 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26D-GW

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.3	106.9
115	33.8	27.1	40.7

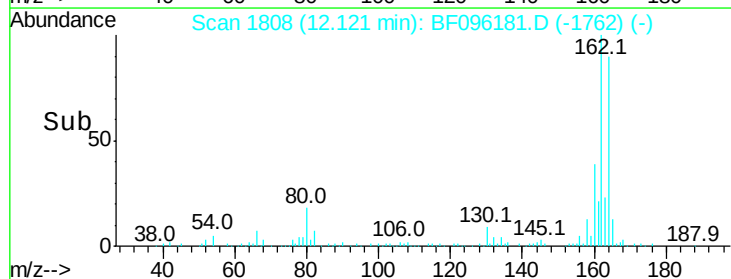
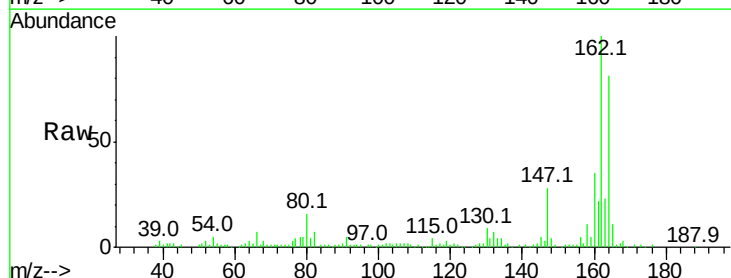
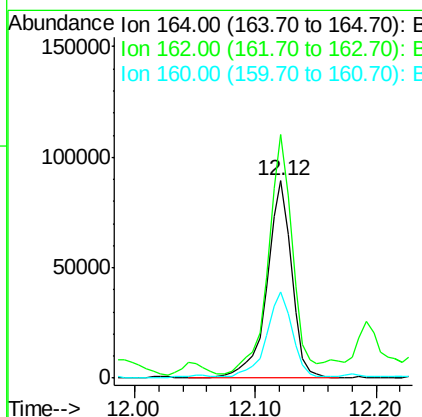
Manual Integrations
APPROVED

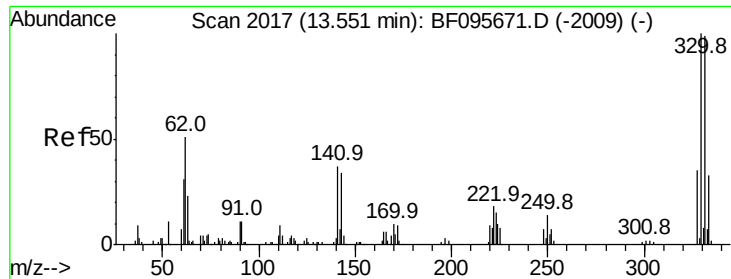
mohammad
6/29/2017 3:44:12 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.12 min Scan# 1808
Delta R.T. -0.03 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	123.5	82.6	123.8
160	43.7	36.2	54.2





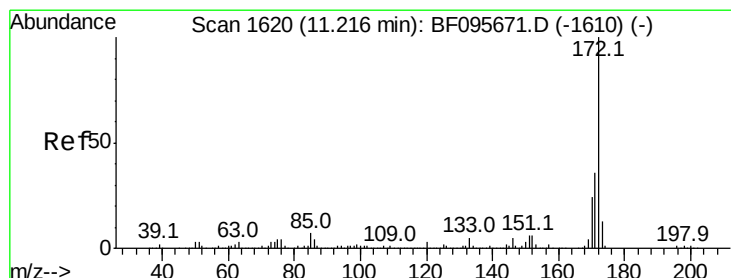
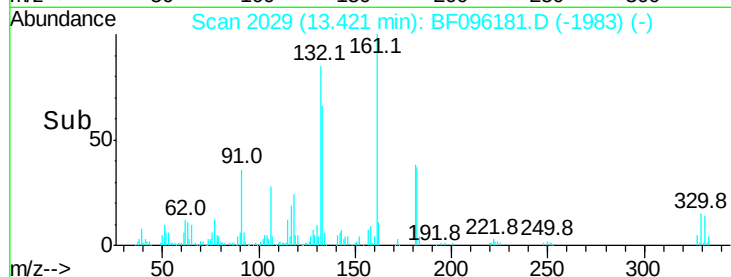
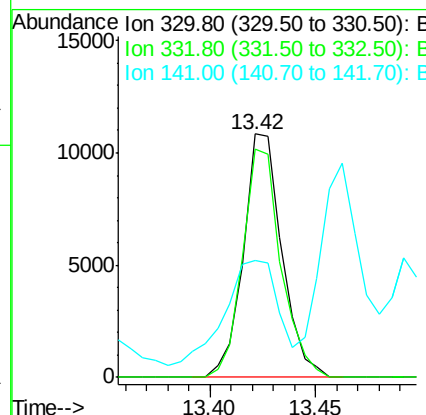
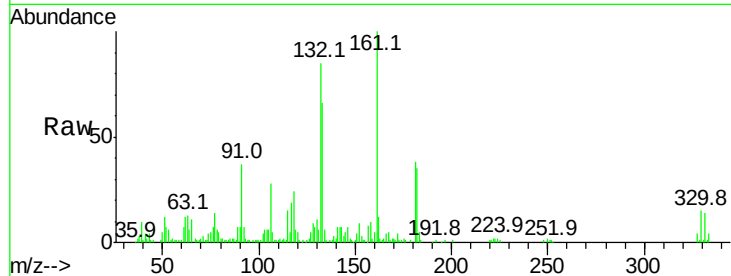
#41
 2,4,6-Tribromophenol
 Concen: 12.23 ng
 RT: 13.42 min Scan# 2029
 Delta R.T. -0.03 min
 Lab File: BF096181.D
 Acq: 24 Jun 2017 10:12

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW26D-GW

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.5	76.6	115.0
141	59.1	31.4	47.2

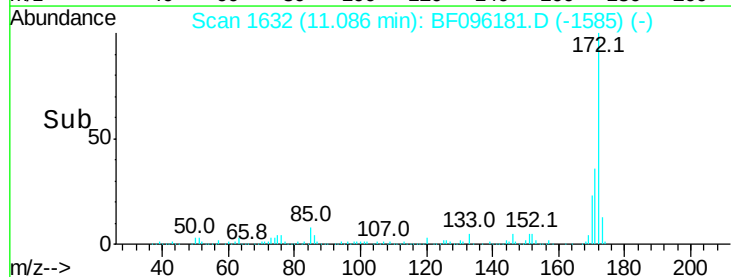
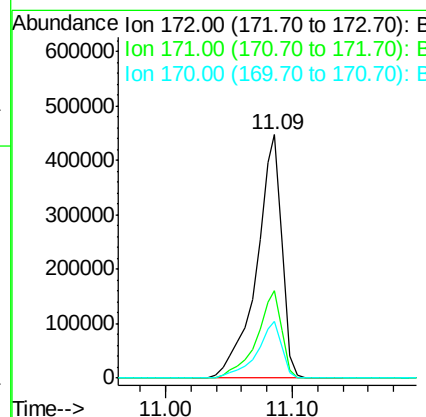
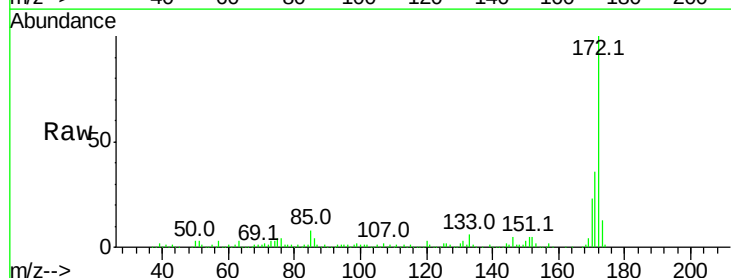
Manual Integrations
 APPROVED

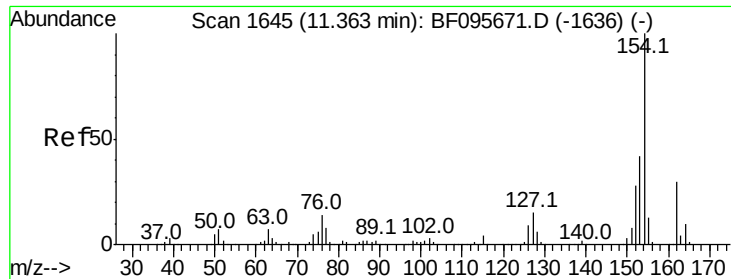
mohammad
 6/29/2017 3:44:12 PM



#44
 2-Fluorobiphenyl
 Concen: 68.58 ng
 RT: 11.09 min Scan# 1632
 Delta R.T. -0.02 min
 Lab File: BF096181.D
 Acq: 24 Jun 2017 10:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	23.1	19.8	29.8





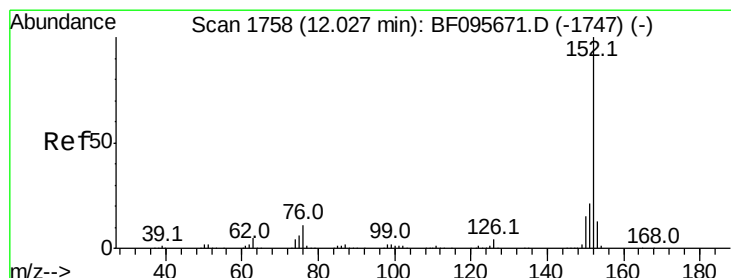
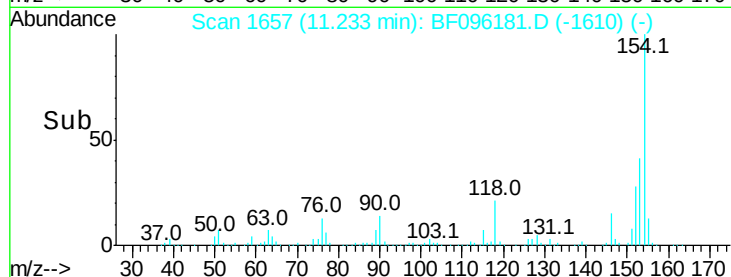
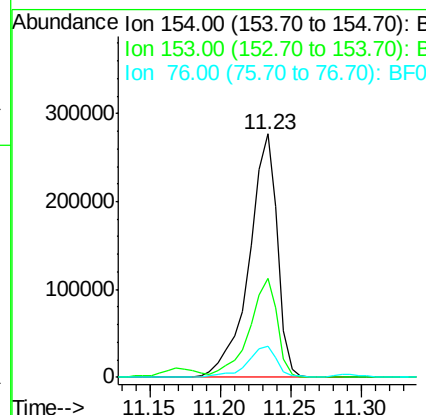
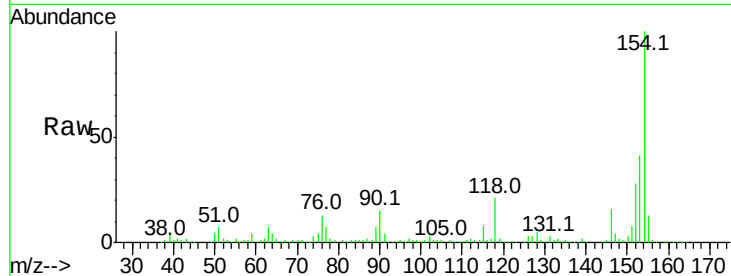
#45
1,1'-Biphenyl
Concen: 37.22 ng
RT: 11.23 min Scan# 1657
Delta R.T. -0.02 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26D-GW

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	40.5	21.2	61.2	
76	12.9	0.0	29.9	

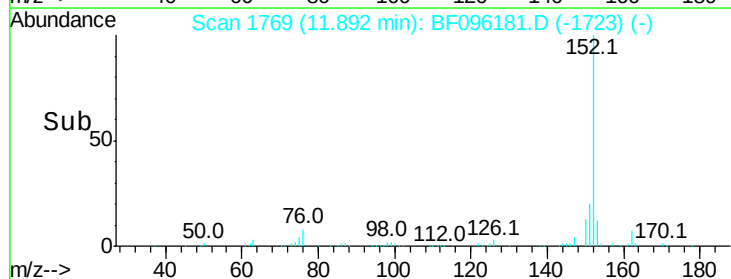
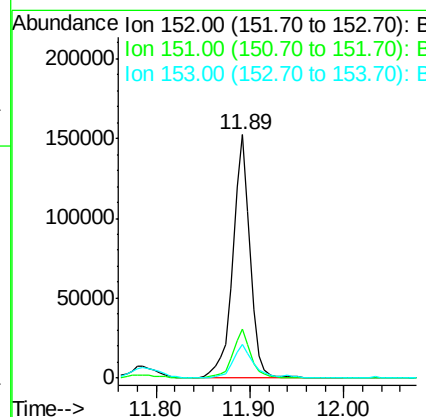
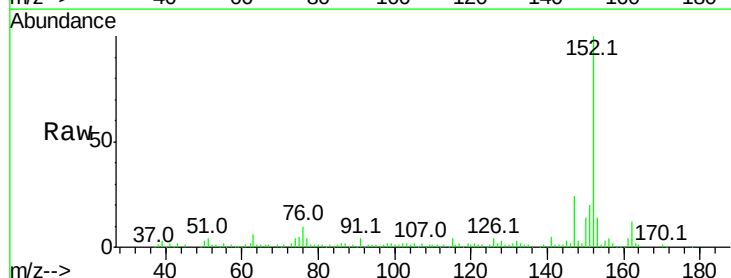
Manual Integrations
APPROVED

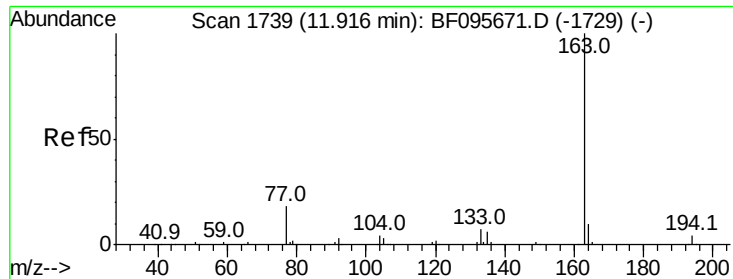
mohammad
6/29/2017 3:44:12 PM



#48
Acenaphthylene
Concen: 13.94 ng
RT: 11.89 min Scan# 1769
Delta R.T. -0.03 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	20.1	16.8	25.2	
153	13.6	10.8	16.2	





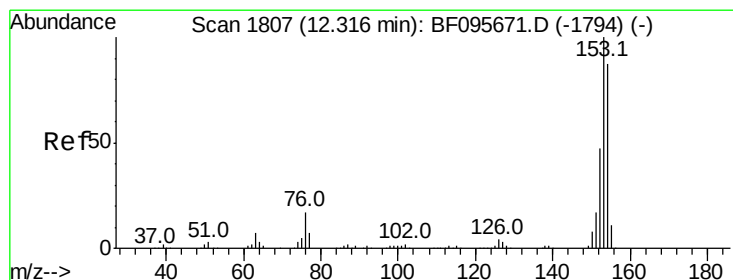
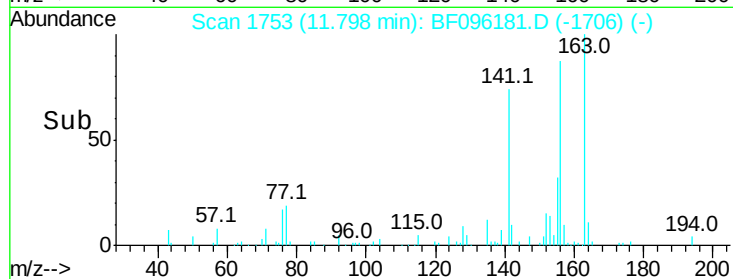
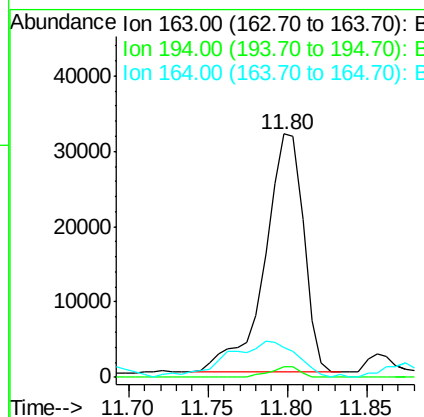
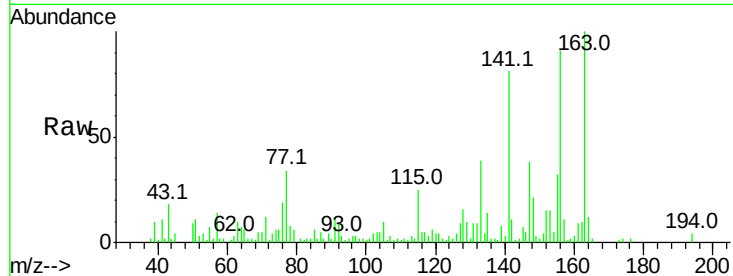
#49
Dimethylphthalate
Concen: 5.66 ng
RT: 11.80 min Scan# 1753
Delta R.T. -0.02 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26D-GW

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.6	4.0#
164	12.4	8.4	12.6

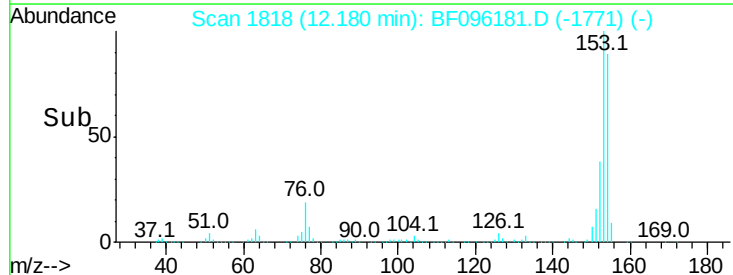
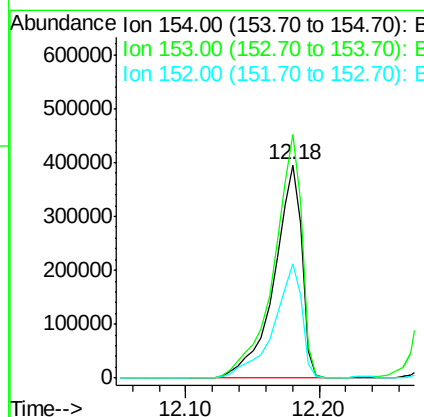
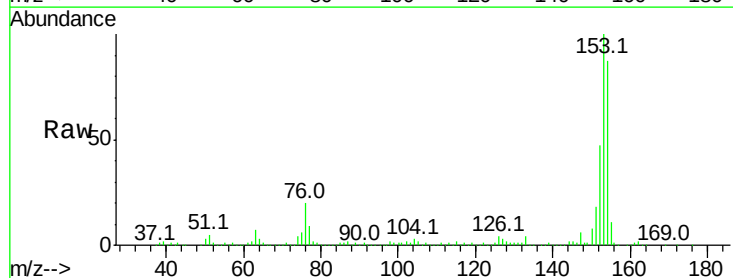
Manual Integrations
APPROVED

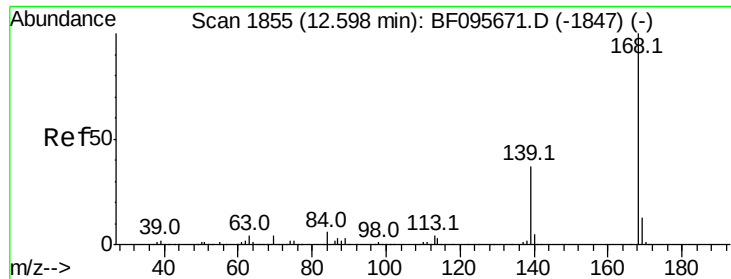
mohammad
6/29/2017 3:44:12 PM



#51
Acenaphthene
Concen: 71.18 ng
RT: 12.18 min Scan# 1818
Delta R.T. -0.02 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.4	90.5	135.7
152	54.0	43.6	65.4





#54

Dibenzenofuran

Concen: 64.62 ng

RT: 12.47 min Scan# 1867

Delta R.T. -0.02 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

Instrument :

BNA_F

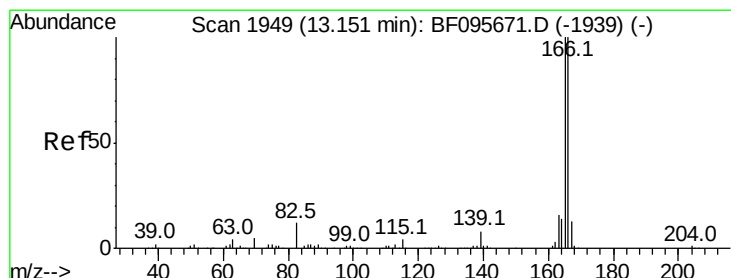
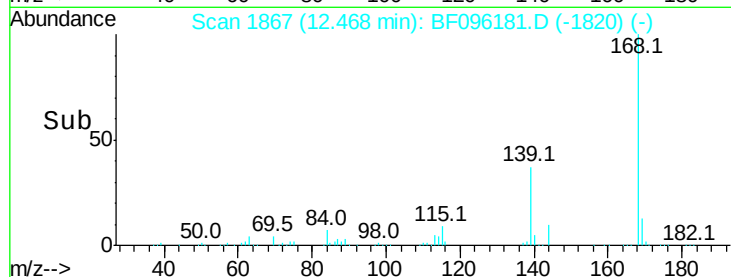
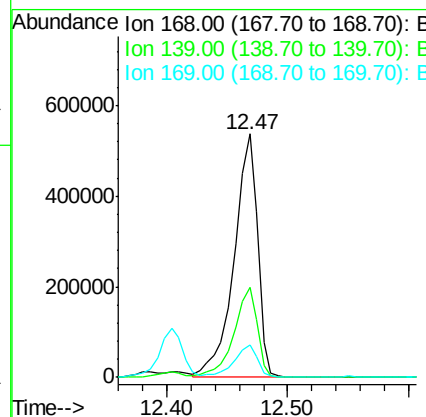
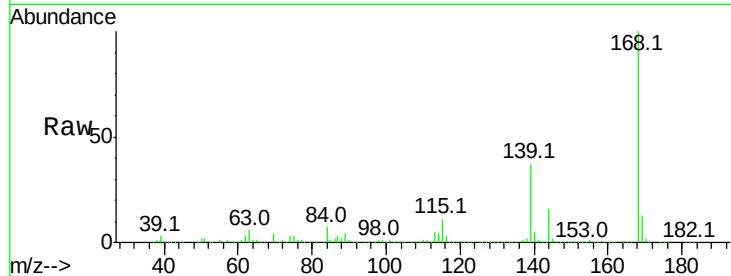
ClientSampleId :

QNWP8-MW26D-GW

Tot Ion:	168	Resp:	732537
Ion Ratio	Lower	Upper	
168	100		
139	37.1	30.6	45.8
169	13.3	10.8	16.2

Manual Integrations
APPROVED

mohammad
6/29/2017 3:44:12 PM



#57

Fluorene

Concen: 46.67 ng

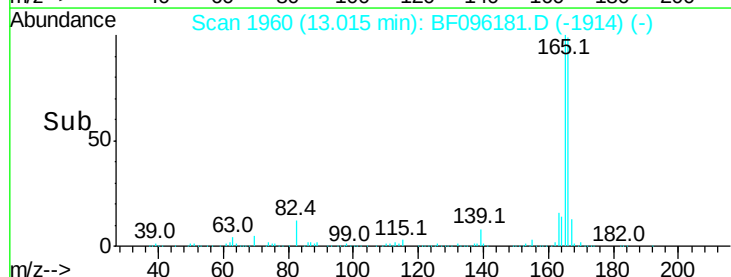
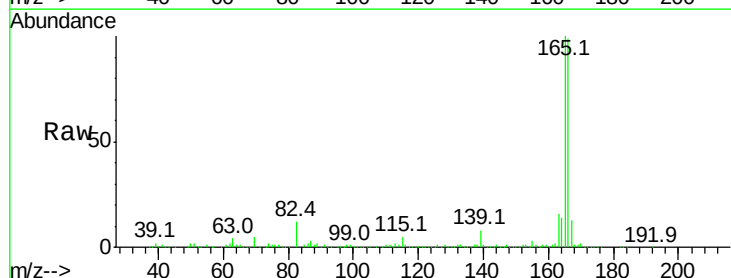
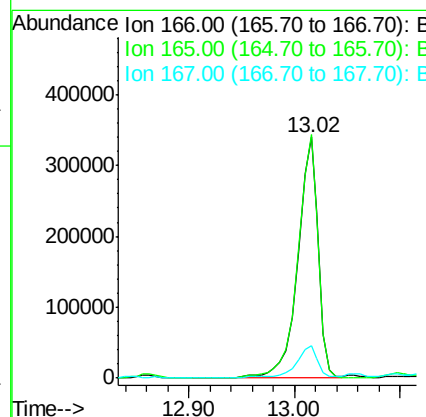
RT: 13.02 min Scan# 1960

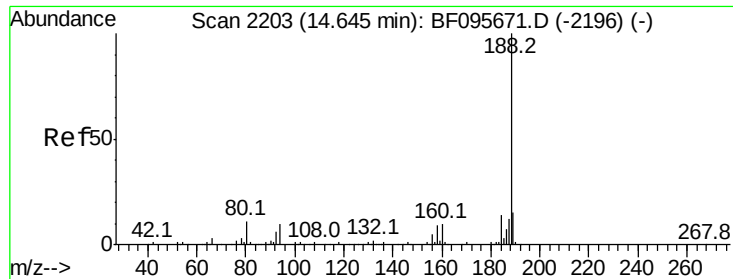
Delta R.T. -0.03 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

Tgt Ion:	166	Resp:	460357
Ion Ratio	Lower	Upper	
166	100		
165	101.2	78.8	118.2
167	13.5	10.6	16.0





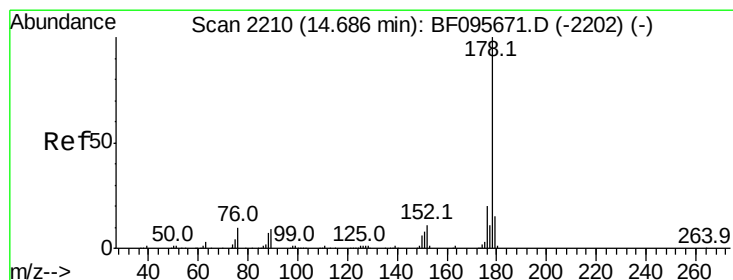
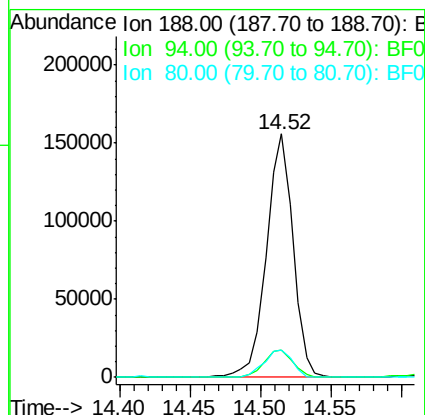
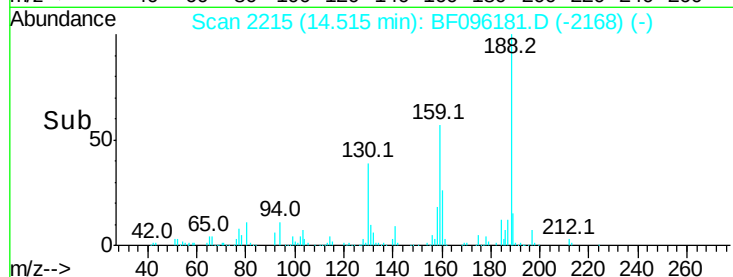
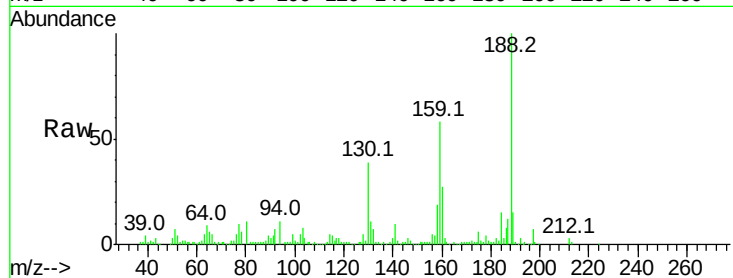
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.52 min Scan# 2215
 Delta R.T. -0.02 min
 Lab File: BF096181.D
 Acq: 24 Jun 2017 10:12

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW26D-GW

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.3	9.4	14.2
80	11.5	10.2	15.2

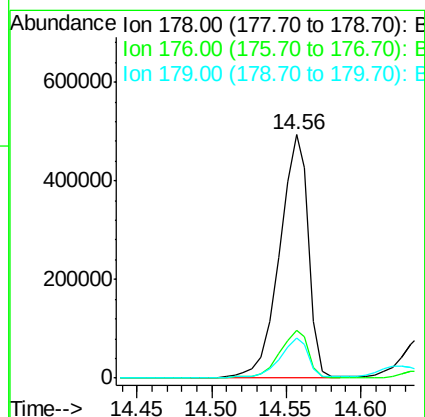
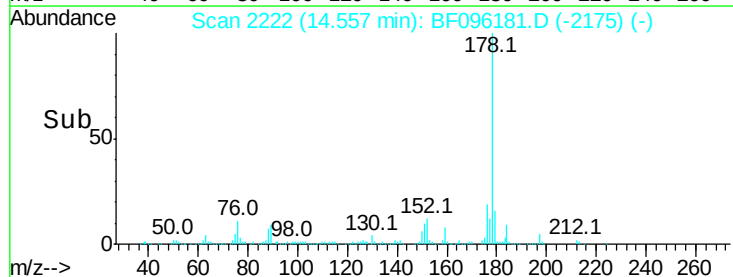
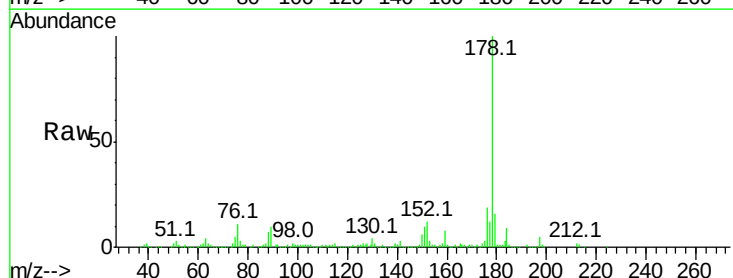
Manual Integrations
 APPROVED

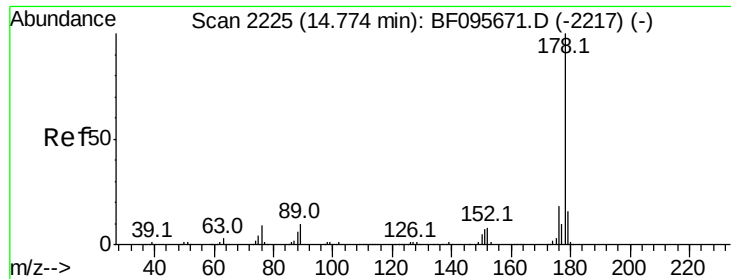
mohammad
 6/29/2017 3:44:12 PM



#70
 Phenanthrene
 Concen: 55.91 ng
 RT: 14.56 min Scan# 2222
 Delta R.T. -0.02 min
 Lab File: BF096181.D
 Acq: 24 Jun 2017 10:12

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	16.2	24.4
179	16.3	12.6	19.0





#71

Anthracene

Concen: 9.08 ng/mL

RT: 14.64 min Scan# 2236

Delta R.T. -0.03 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

Instrument :

BNA_F

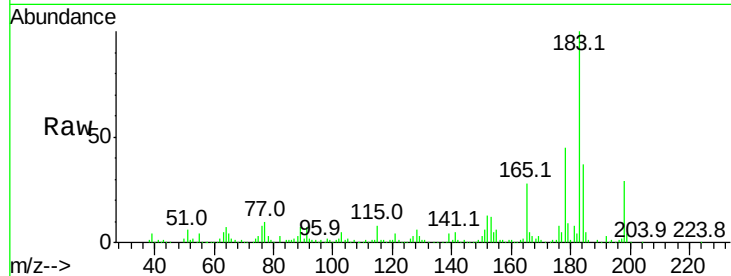
ClientSampleId :

QNWP8-MW26D-GW

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	19.2	12.7	19.1

Manual Integrations
APPROVED

mohammad
6/29/2017 3:44:12 PM

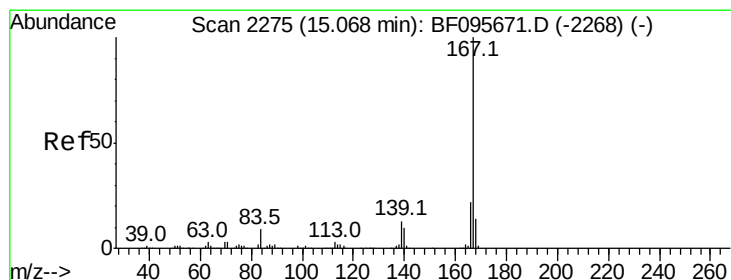
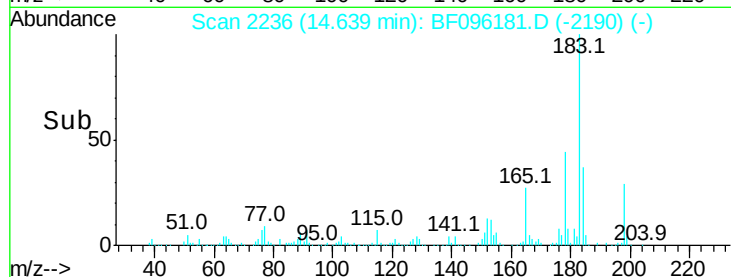
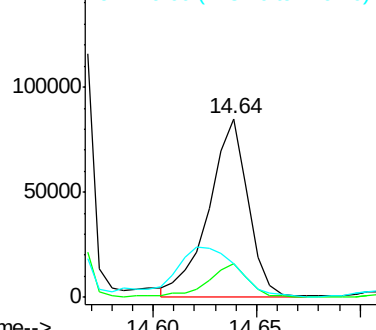


Abundance

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



#72

Carbazole

Concen: 46.47 ng/mL

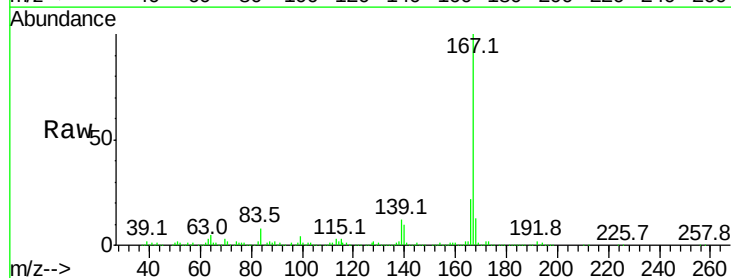
RT: 14.96 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	18.1	27.1
139	12.4	11.7	17.5

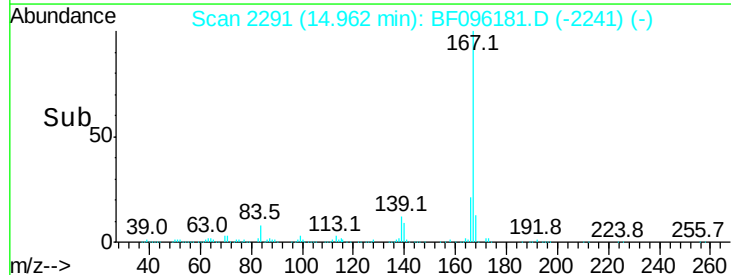
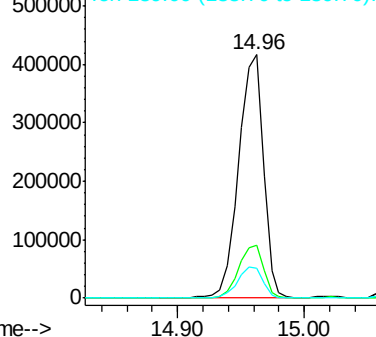


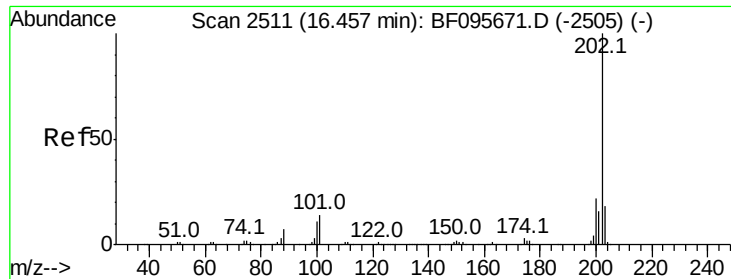
Abundance

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: 9.55 ng

RT: 16.34 min Scan# 2526

Delta R.T. -0.02 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

Instrument :

BNA_F

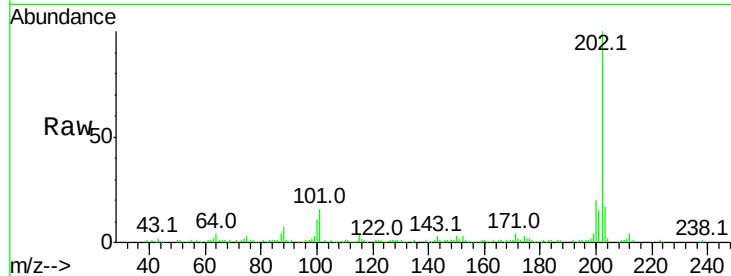
ClientSampleId :

QNWP8-MW26D-GW

Tot Ion	Ratio	Resp	Lower	Upper
202	100	113086		
101	16.4	0.0	33.2	
203	17.1	0.0	38.1	

Manual Integrations
APPROVED

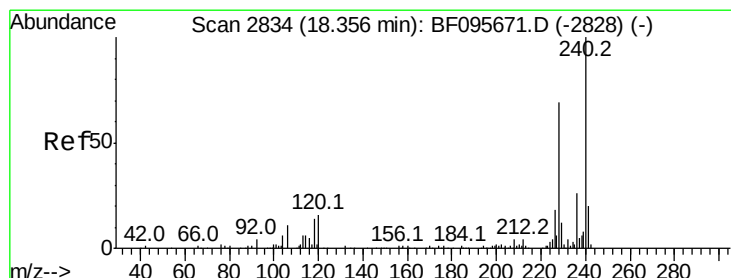
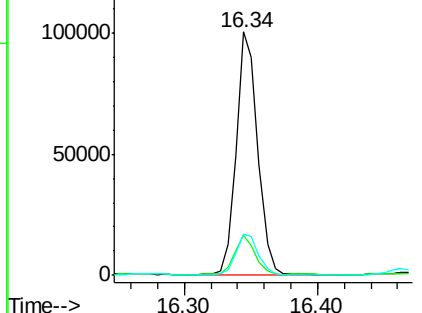
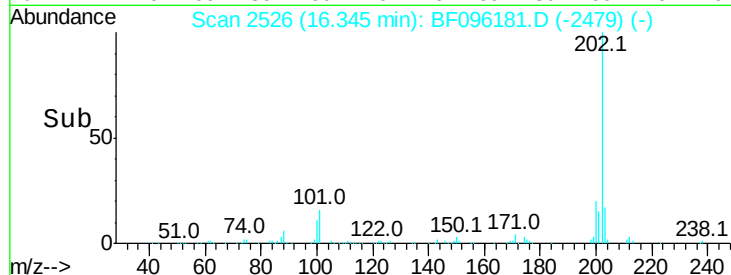
mohammad
6/29/2017 3:44:12 PM



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



#75

Chrysene-d12

Concen: 20.00 ng

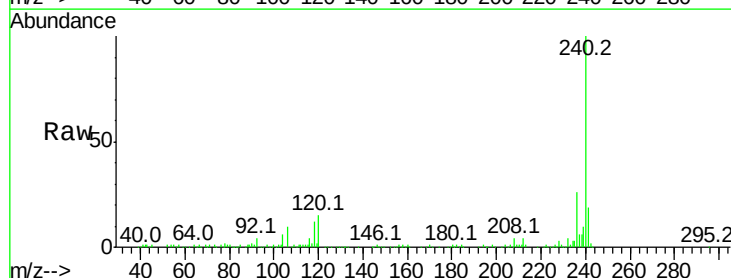
RT: 18.25 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

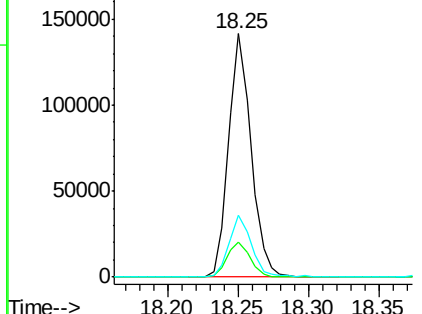
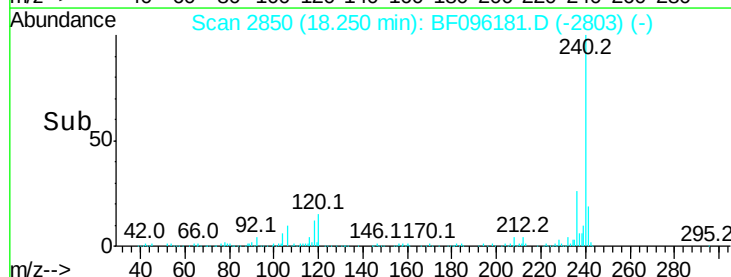
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	157841		
120	14.6	5.8	8.8#	
236	25.6	20.5	30.7	

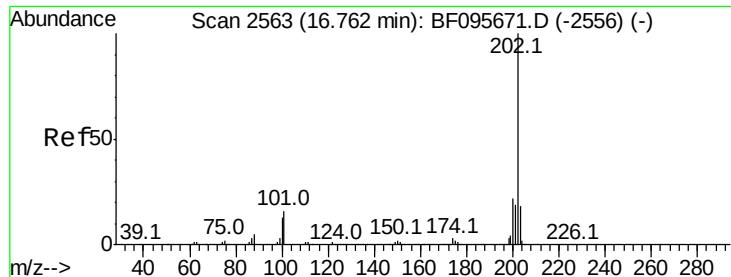


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.84 ng

RT: 16.65 min Scan# 2578

Delta R.T. -0.02 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

Instrument :

BNA_F

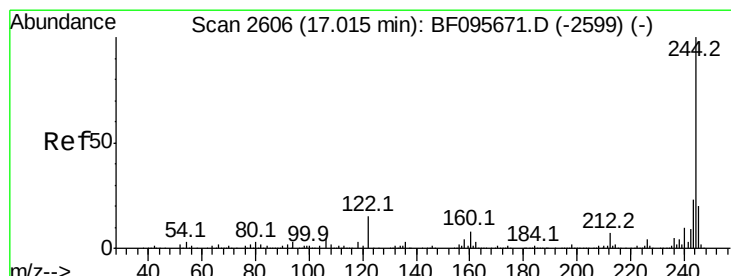
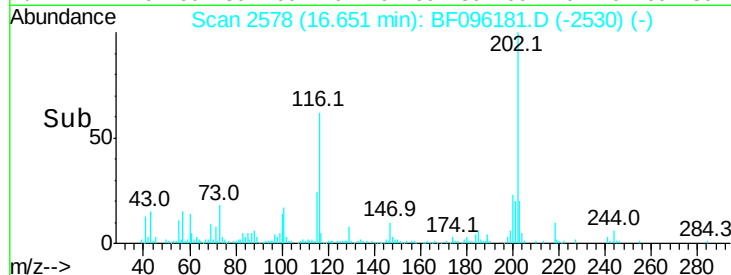
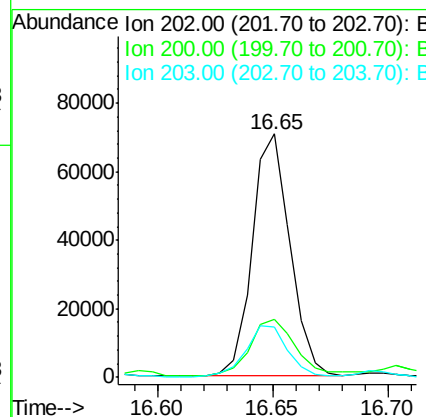
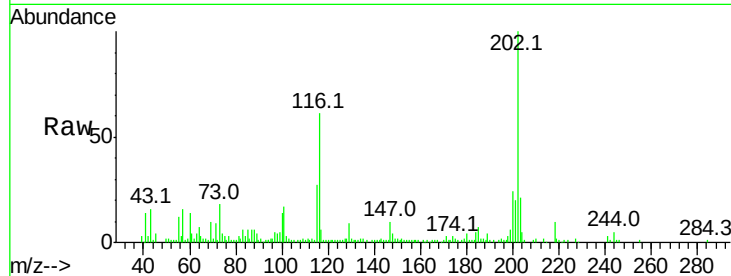
ClientSampleId :

QNWP8-MW26D-GW

Tot Ion:	202	Resp:	80530
Ion Ratio	Lower	Upper	
202	100		
200	23.6	17.6	26.4
203	20.6	14.4	21.6

Manual Integrations
APPROVED

mohammad
6/29/2017 3:44:12 PM



#78

Terphenyl-d14

Concen: 72.60 ng

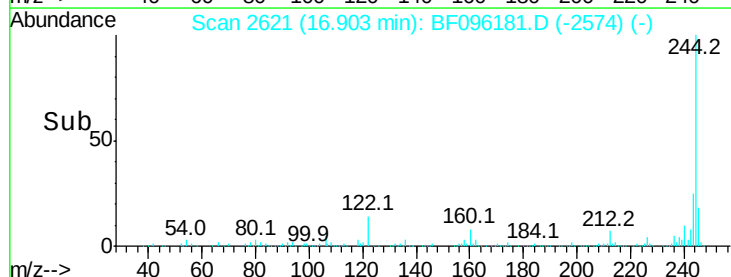
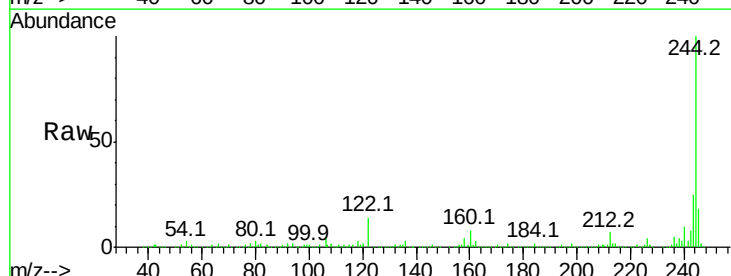
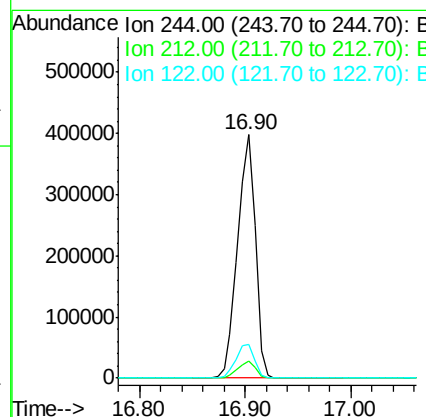
RT: 16.90 min Scan# 2621

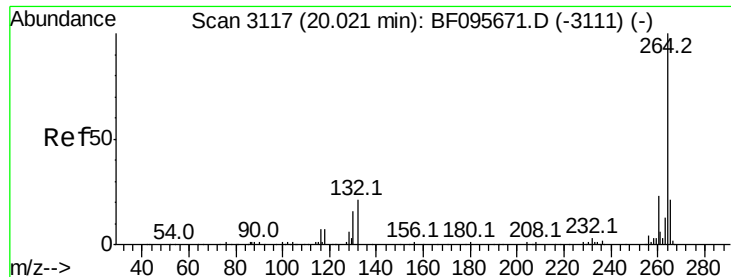
Delta R.T. -0.02 min

Lab File: BF096181.D

Acq: 24 Jun 2017 10:12

Tgt Ion:	244	Resp:	461725
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	13.9	10.3	15.5





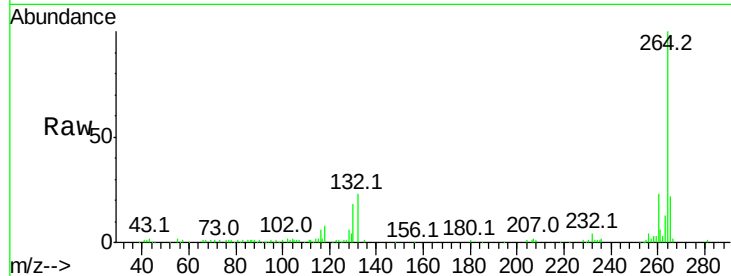
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.93 min Scan# 3135
Delta R.T. -0.01 min
Lab File: BF096181.D
Acq: 24 Jun 2017 10:12

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26D-GW

Tot Ion:	264	Resp:	118774
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.5	29.3
265	21.6	17.2	25.8

Manual Integrations
APPROVED

mohammad
6/29/2017 3:44:12 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

