

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
 Data File : BF096955.D
 Acq On : 21 Jul 2017 20:27
 Operator : SJ/JU
 Sample : I4347-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-2(6-10)COMP

Manual Integrations
 APPROVED

Sohil
 7/24/2017 3:05:20 PM

Quant Time: Jul 22 01:57:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	111030	20.00	ng	-0.04
21) Naphthalene-d8	7.84	136	442226	20.00	ng	-0.05
38) Acenaphthene-d10	9.58	164	164181	20.00	ng	-0.05
63) Phenanthrene-d10	11.06	188	219206	20.00	ng	-0.05
75) Chrysene-d12	13.69	240	204297	20.00	ng	-0.05
86) Perylene-d12	15.05	264	206310	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	597494	80.91	ng	-0.04
7) Phenol-d6	6.22	99	708715	79.98	ng	-0.04
23) Nitrobenzene-d5	7.12	82	488093	68.37	ng	-0.05
41) 2,4,6-Tribromophenol	10.37	330	123283	87.97	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	808717	77.82	ng	-0.05
78) Terphenyl-d14	12.64	244	456115	38.72	ng	-0.05
Target Compounds						
10) Phenol	6.23	94	35145	3.508	ng	Qvalue 93
49) Dimethylphthalate	9.31	163	122047	9.873	ng	99
70) Phenanthrene	11.08	178	30084	2.524	ng	97
74) Fluoranthene	12.26	202	60902	5.338	ng	97
77) Pyrene	12.49	202	55673	3.003	ng	99
80) Benzo(a)anthracene	13.67	228	36788	2.890	ng	95
82) Chrysene	13.71	228	35526	2.835	ng	98
85) Indeno(1,2,3-cd)pyrene	16.31	276	20343	5.015	ng	# 91
87) Benzo(b)fluoranthene	14.68	252	55536m	4.463	ng	
89) Benzo(a)pyrene	14.99	252	36345	3.185	ng	# 90

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

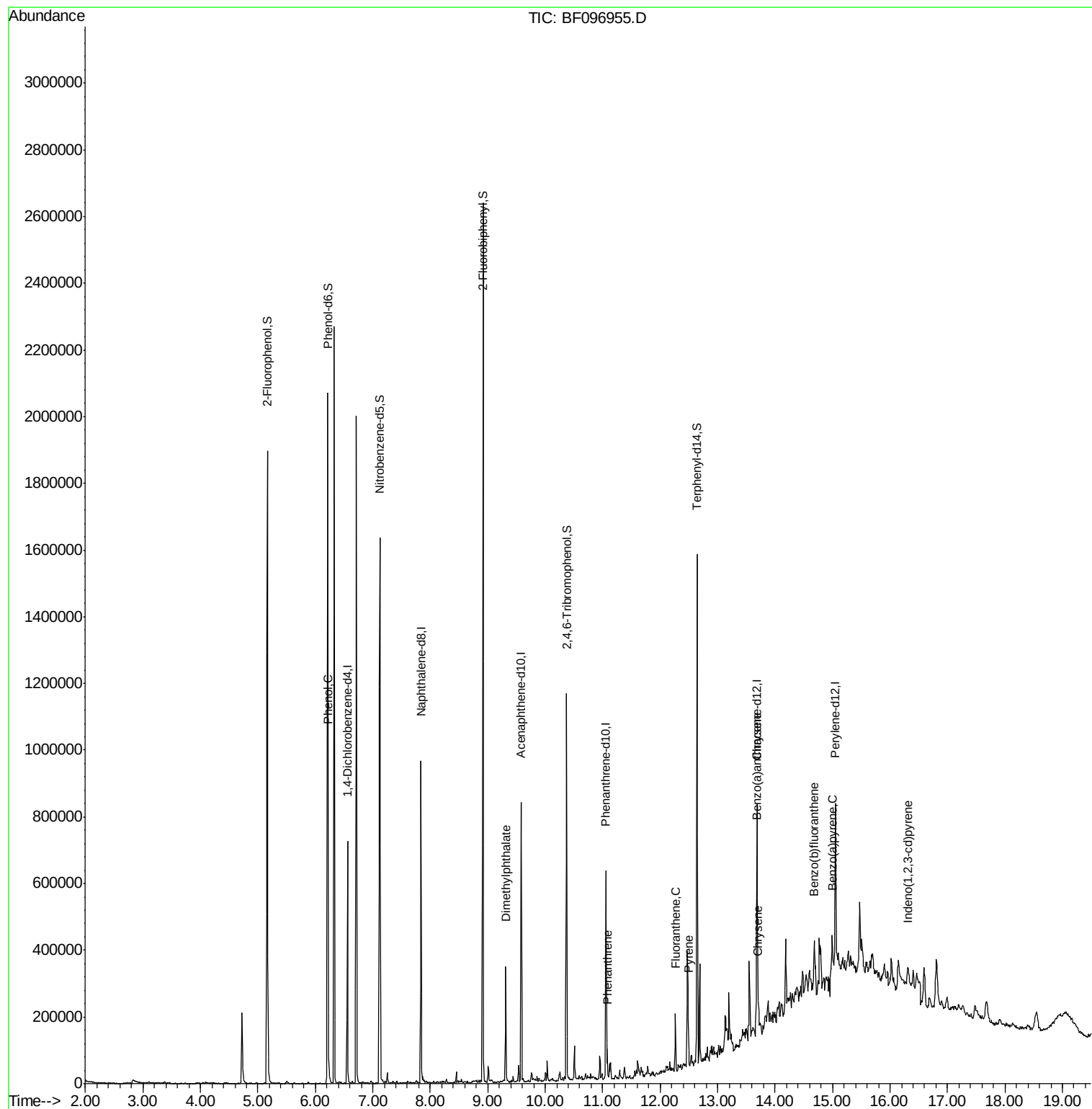
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
Data File : BF096955.D
Acq On : 21 Jul 2017 20:27
Operator : SJ/JU
Sample : I4347-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

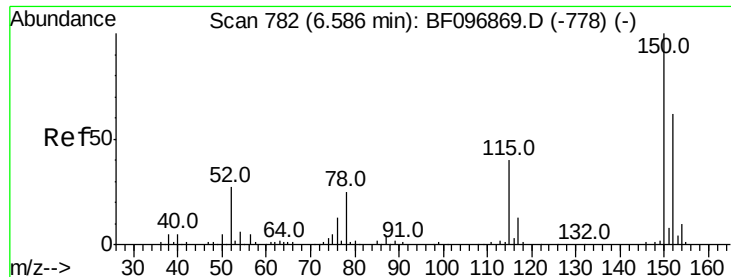
Instrument :
BNA_F
ClientSampleId :
B-2(6-10)COMP

Manual Integrations
APPROVED

Sohil
7/24/2017 3:05:20 PM

Quant Time: Jul 22 01:57:21 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 18 13:33:22 2017
Response via : Initial Calibration





#1

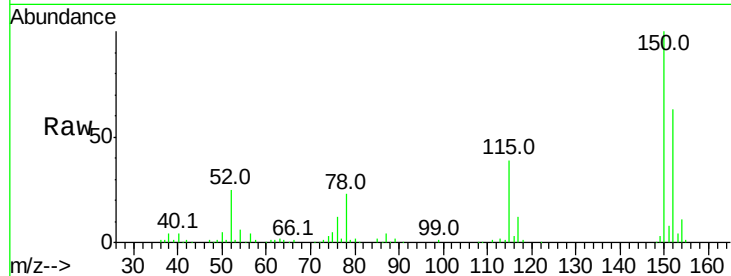
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.56 min Scan# 777
Delta R.T. -0.04 min
Lab File: BF096955.D
Acq: 21 Jul 2017 20:27

Instrument :
BNA_F
ClientSampled :
B-2(6-10)COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	126.2	189.2
115	61.3	52.2	78.2

Manual Integrations
APPROVED

Sohil
7/24/2017 3:05:20 PM

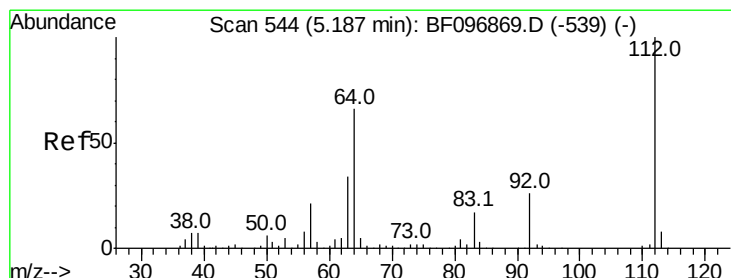
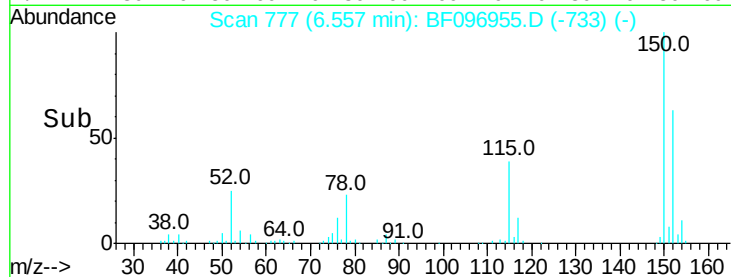
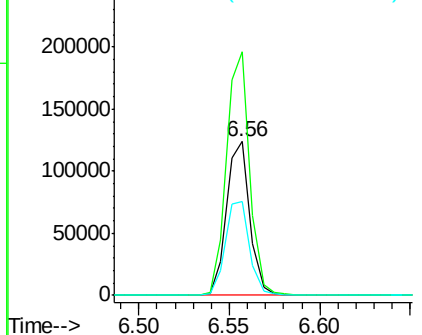


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

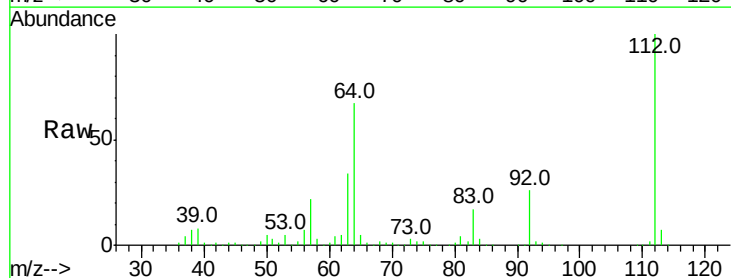
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 80.913 ng
RT: 5.16 min Scan# 540
Delta R.T. -0.04 min
Lab File: BF096955.D
Acq: 21 Jul 2017 20:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	46.0	69.0
63	33.8	23.4	35.0

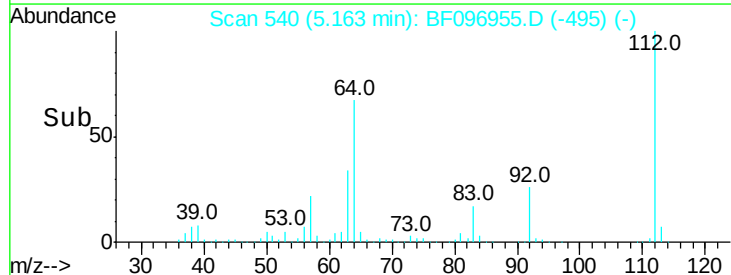
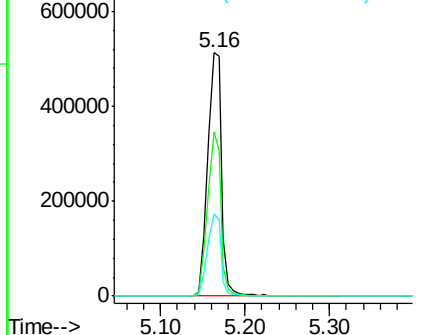


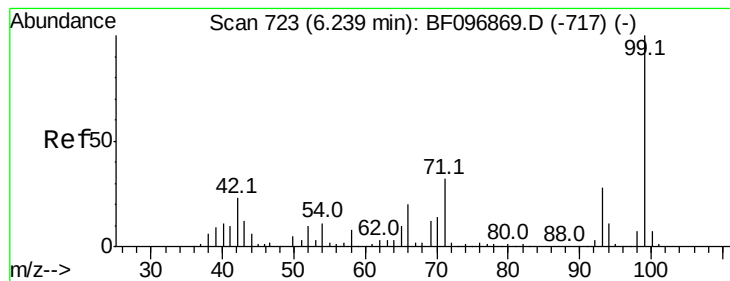
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 79.977 ng

RT: 6.22 min Scan# 719

Delta R.T. -0.04 min

Lab File: BF096955.D

Acq: 21 Jul 2017 20:27

Instrument :

BNA_F

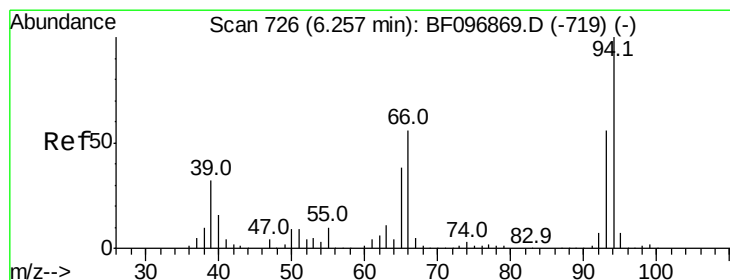
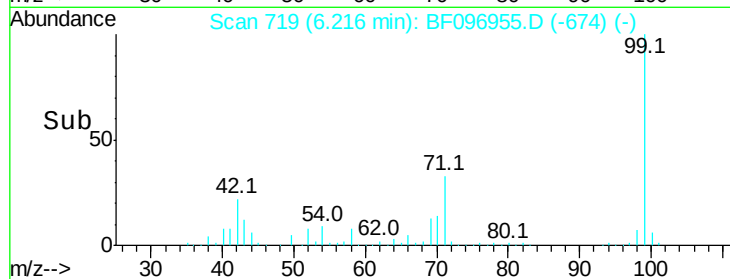
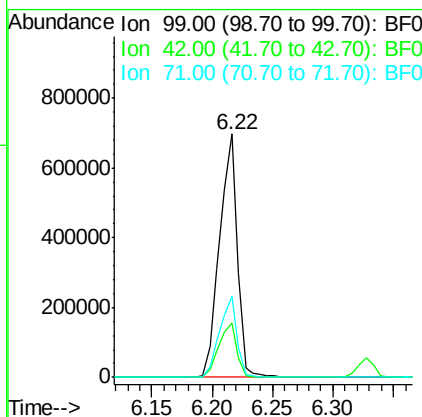
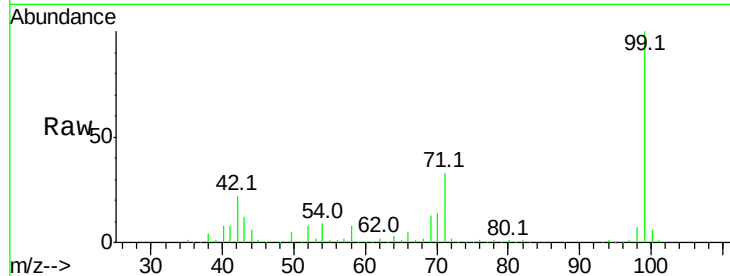
ClientSampleId :

B-2(6-10)COMP

Tot Ion:	99	Resp:	708715
Ion Ratio	Lower	Upper	
99	100		
42	22.1	13.5	20.3#
71	33.3	24.5	36.7

Manual Integrations
APPROVED

Sohil
7/24/2017 3:05:20 PM



#10

Phenol

Concen: 3.508 ng

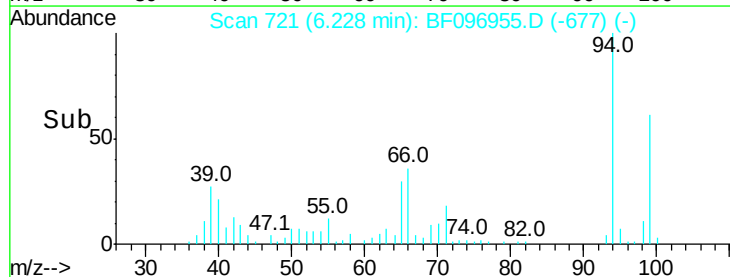
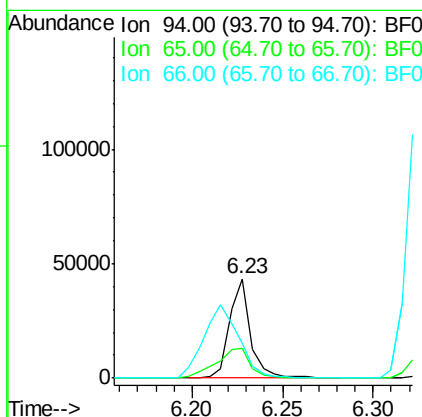
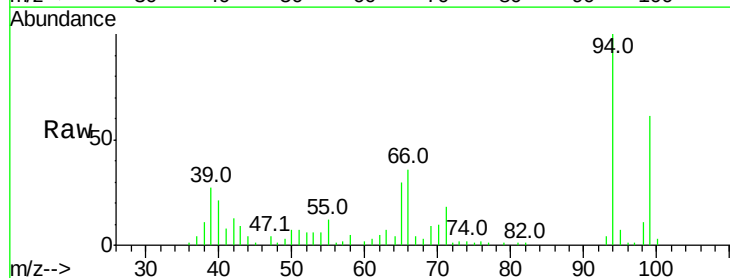
RT: 6.23 min Scan# 721

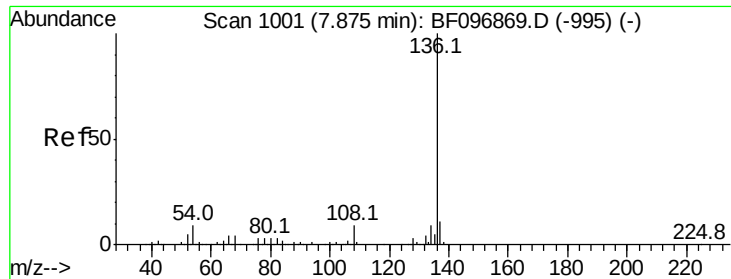
Delta R.T. -0.04 min

Lab File: BF096955.D

Acq: 21 Jul 2017 20:27

Tgt Ion:	94	Resp:	35145
Ion Ratio	Lower	Upper	
94	100		
65	29.8	9.9	49.9
66	35.6	23.1	63.1





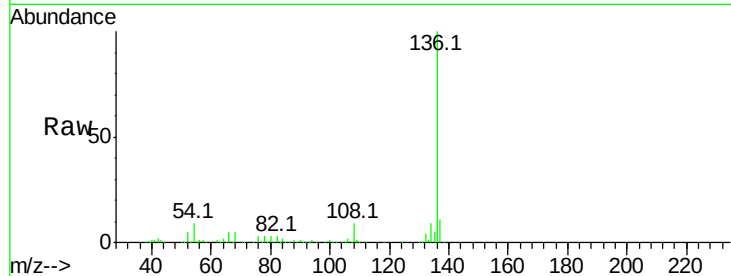
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.84 min Scan# 995
Delta R.T. -0.05 min
Lab File: BF096955.D
Acq: 21 Jul 2017 20:27

Instrument :
BNA_F
ClientSampleId :
B-2(6-10)COMP

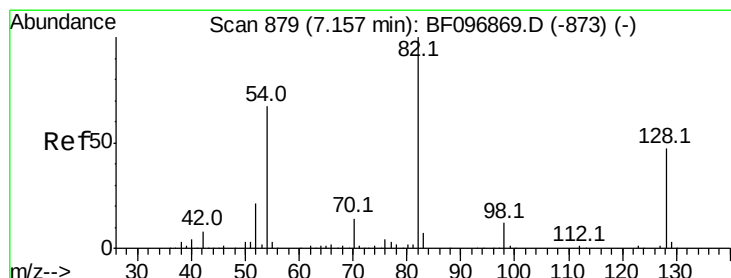
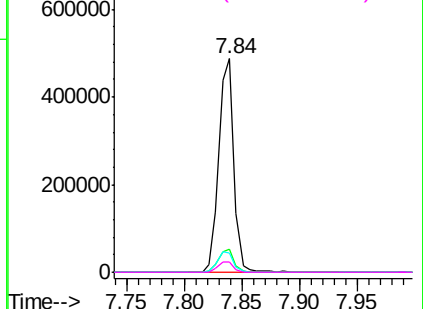
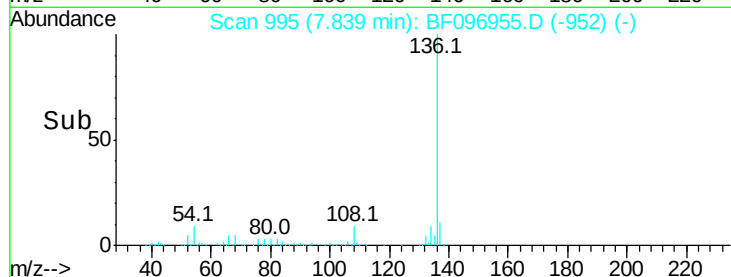
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.5	12.7	
54	8.8	4.9	7.3#	
68	4.7	4.1	6.1	

Manual Integrations
APPROVED

Sohil
7/24/2017 3:05:20 PM

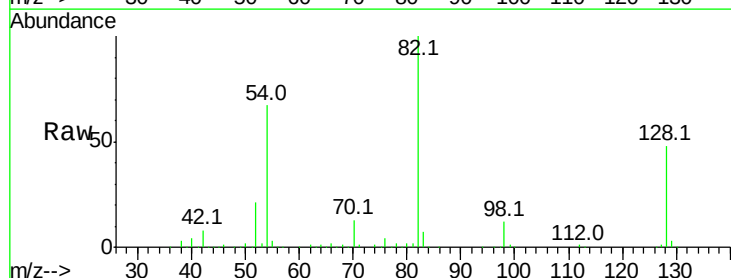


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

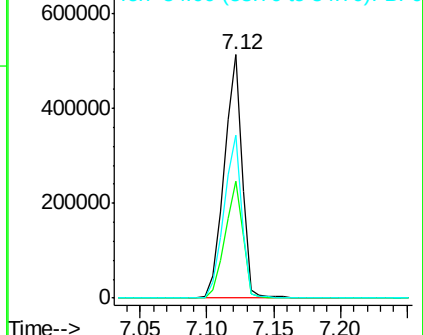
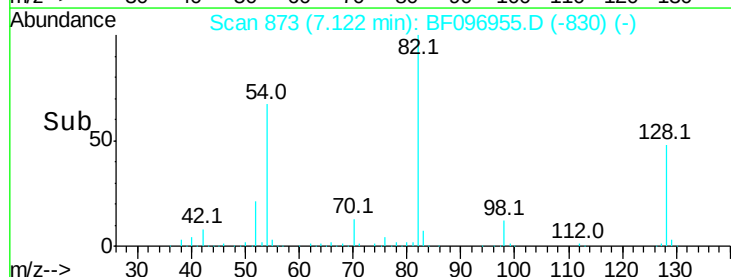


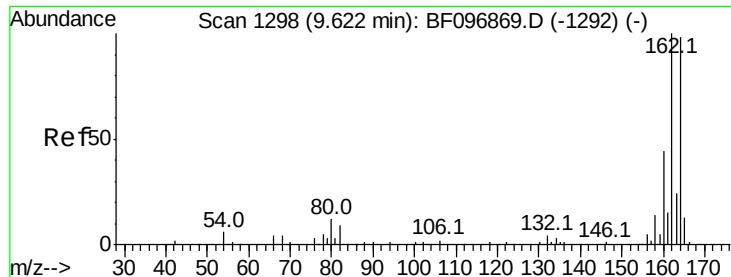
#23
Nitrobenzene-d5
Concen: 68.365 ng
RT: 7.12 min Scan# 873
Delta R.T. -0.05 min
Lab File: BF096955.D
Acq: 21 Jul 2017 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.0	34.0	51.0	
54	66.9	42.2	63.2#	



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





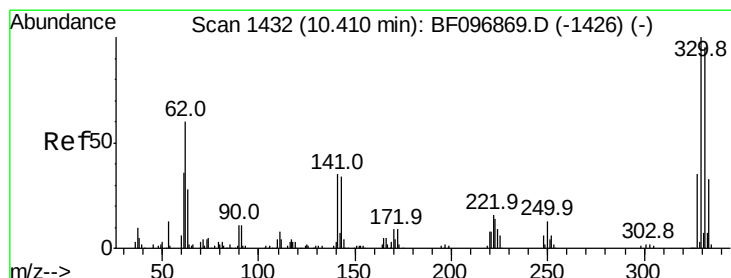
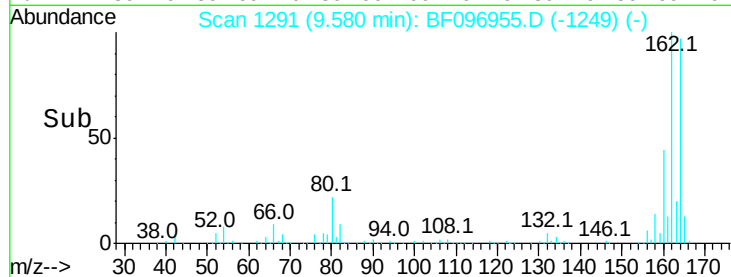
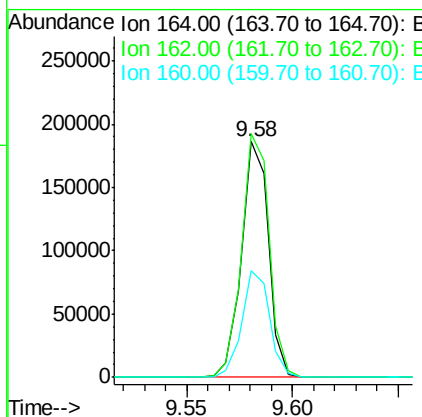
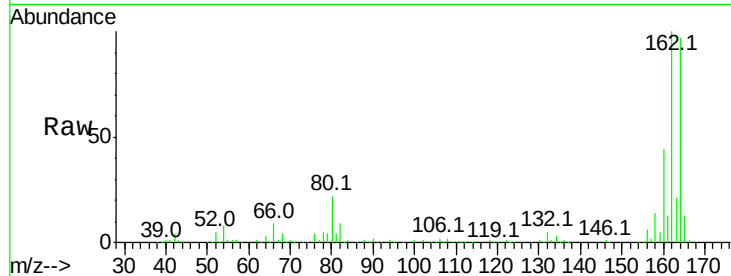
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.58 min Scan# 1291
 Delta R.T. -0.05 min
 Lab File: BF096955.D
 Acq: 21 Jul 2017 20:27

Instrument :
 BNA_F
 ClientSampleId :
 B-2(6-10)COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	164181		
162	103.4	82.6	123.8	
160	45.3	36.2	54.2	

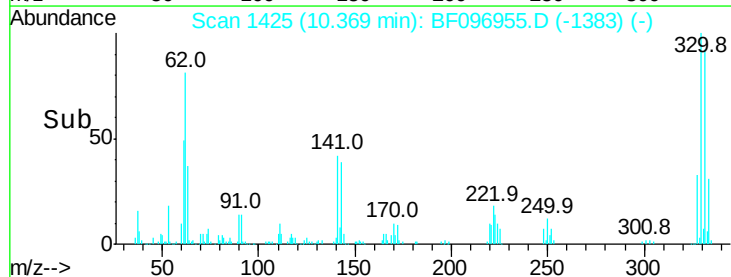
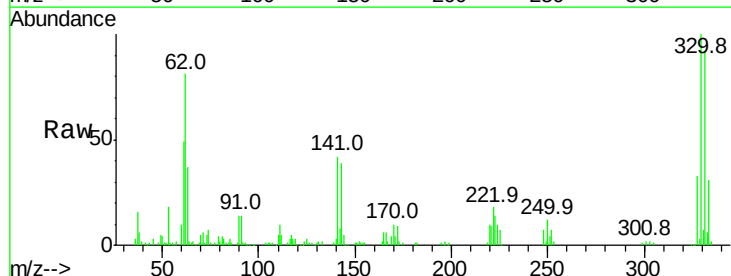
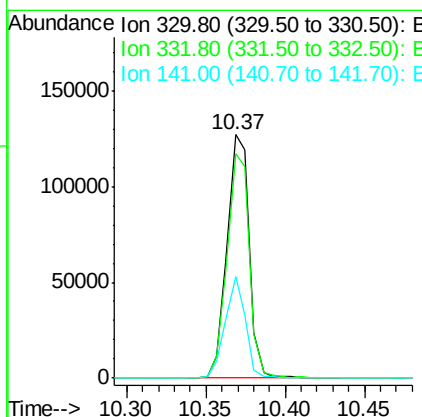
Manual Integrations
 APPROVED

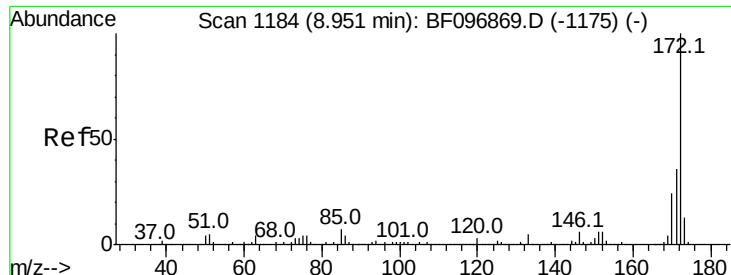
Sohil
 7/24/2017 3:05:20 PM



#41
 2,4,6-Tribromophenol
 Concen: 87.970 ng
 RT: 10.37 min Scan# 1425
 Delta R.T. -0.05 min
 Lab File: BF096955.D
 Acq: 21 Jul 2017 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	123283		
332	93.0	76.6	115.0	
141	38.2	31.4	47.2	





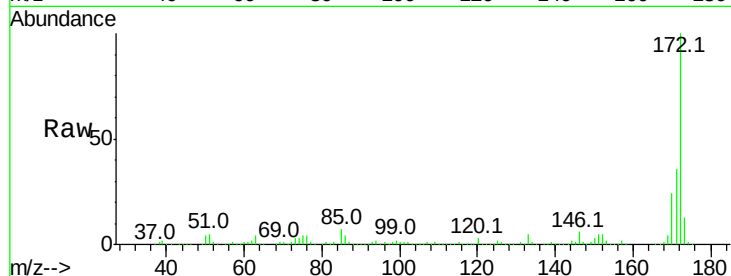
#44
 2-Fluorobiphenyl
 Concen: 77.823 ng
 RT: 8.92 min Scan# 1178
 Delta R.T. -0.05 min
 Lab File: BF096955.D
 Acq: 21 Jul 2017 20:27

Instrument :
 BNA_F
 ClientSampleId :
 B-2(6-10)COMP

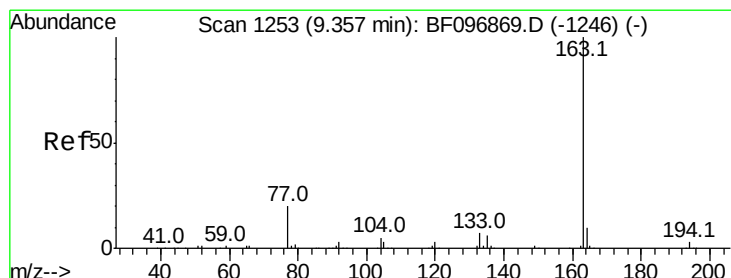
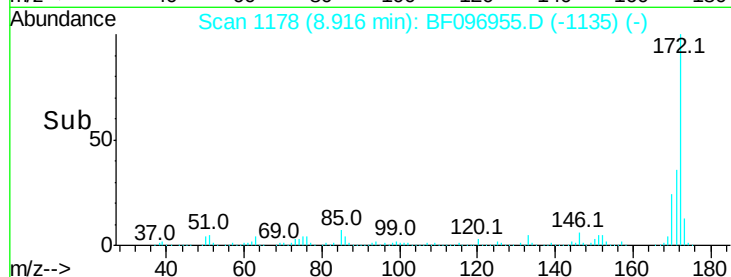
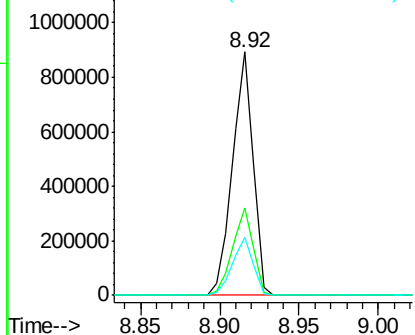
Tot Ion	Ratio	Resp	Lower	Upper
172	100	808717		
171	35.8		29.6	44.4
170	23.9		19.8	29.8

Manual Integrations
 APPROVED

Sohil
 7/24/2017 3:05:20 PM

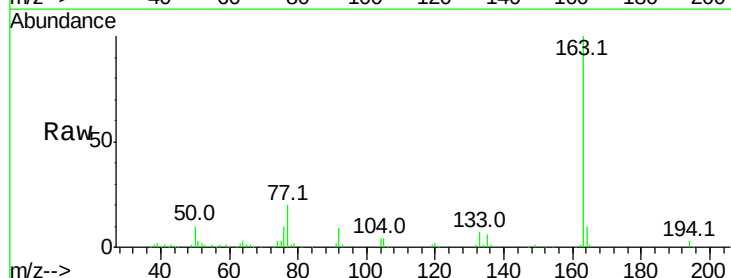


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

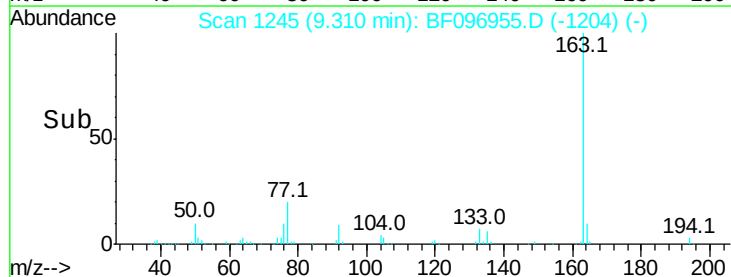
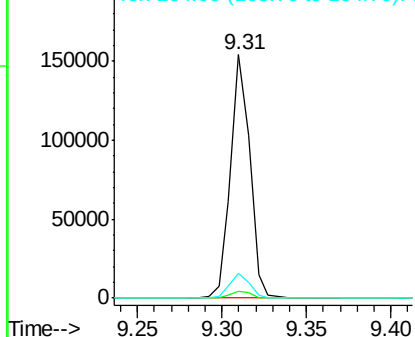


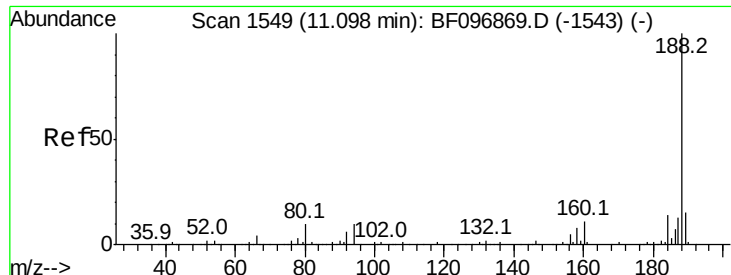
#49
 Dimethylphthalate
 Concen: 9.873 ng
 RT: 9.31 min Scan# 1245
 Delta R.T. -0.06 min
 Lab File: BF096955.D
 Acq: 21 Jul 2017 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	122047		
194	2.9		2.6	4.0
164	10.4		8.4	12.6



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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.06 min Scan# 1542

Delta R.T. -0.05 min

Lab File: BF096955.D

Acq: 21 Jul 2017 20:27

Instrument :

BNA_F

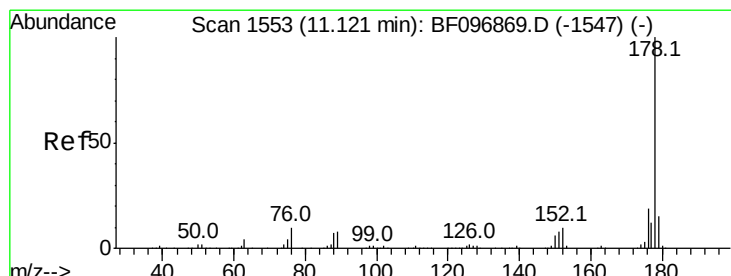
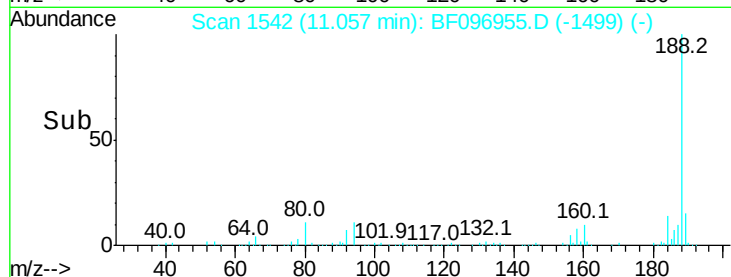
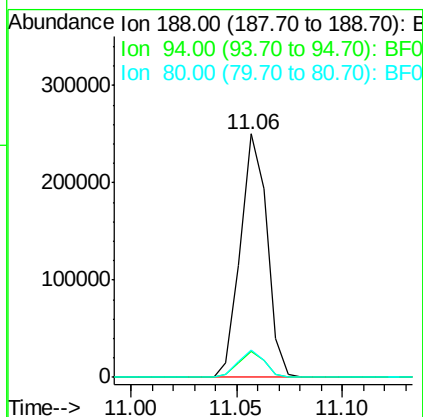
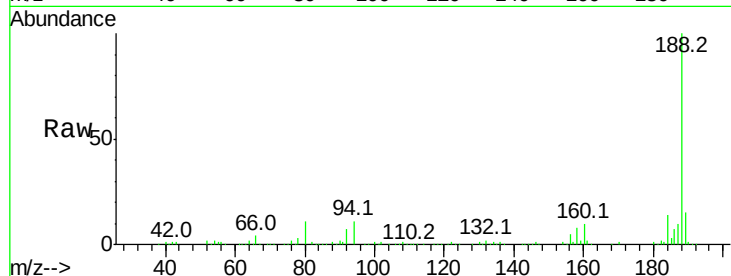
ClientSampleId :

B-2(6-10)COMP

Tot Ion:	188	Resp:	219206
Ion Ratio	Lower	Upper	
188	100		
94	10.9	9.4	14.2
80	11.1	10.2	15.2

Manual Integrations
APPROVED

Sohil
7/24/2017 3:05:20 PM



#70

Phenanthrene

Concen: 2.524 ng

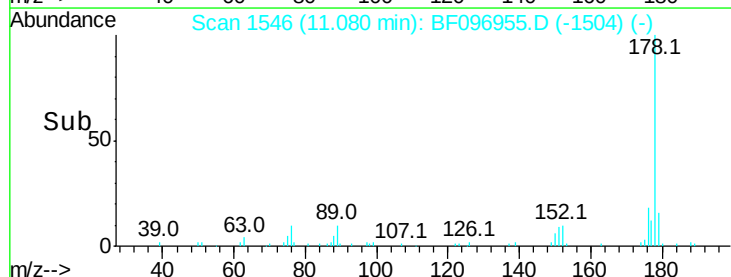
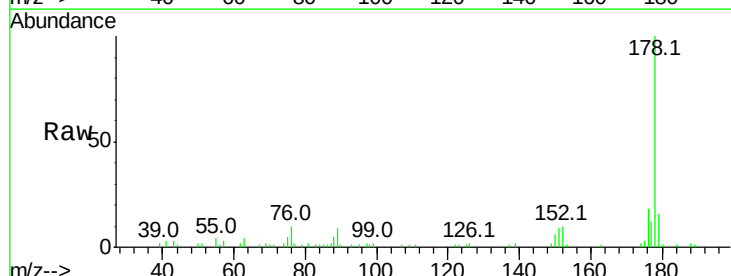
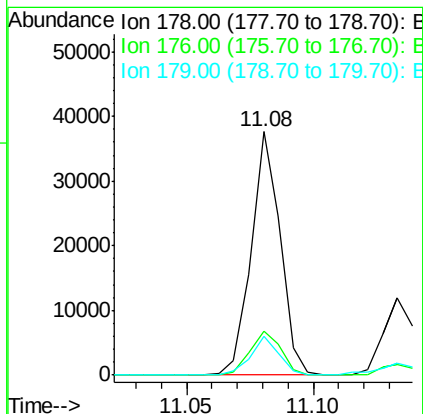
RT: 11.08 min Scan# 1546

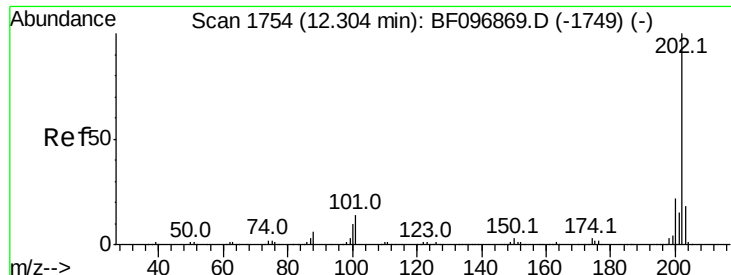
Delta R.T. -0.05 min

Lab File: BF096955.D

Acq: 21 Jul 2017 20:27

Tgt Ion:	178	Resp:	30084
Ion Ratio	Lower	Upper	
178	100		
176	17.9	16.2	24.4
179	15.8	12.6	19.0





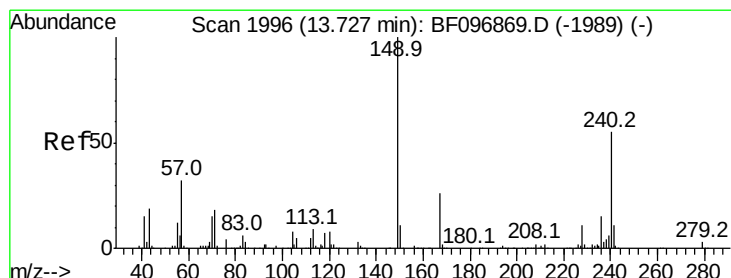
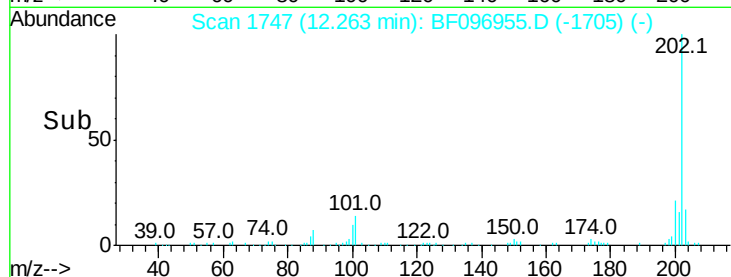
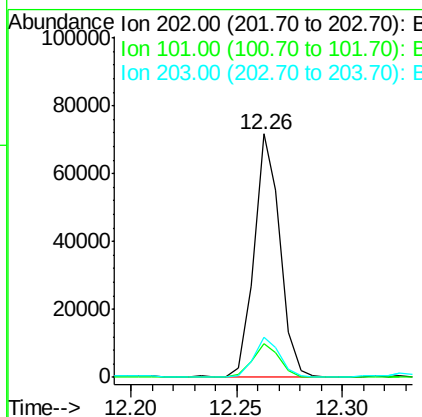
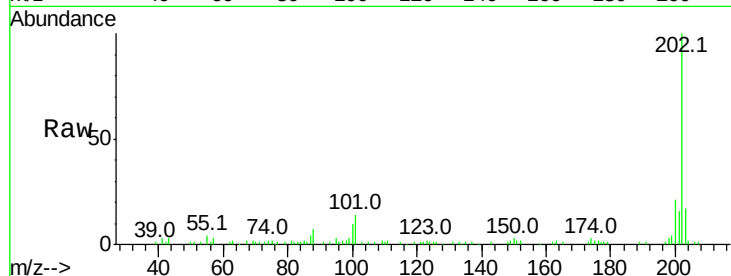
#74
Fluoranthene
 Concen: 5.338 ng
 RT: 12.26 min Scan# 1747
 Delta R.T. -0.05 min
 Lab File: BF096955.D
 Acq: 21 Jul 2017 20:27

Instrument :
 BNA_F
 ClientSampleId :
 B-2(6-10)COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.9	0.0	33.2
203	16.6	0.0	38.1

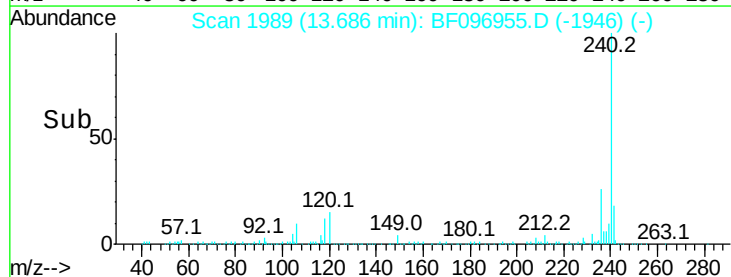
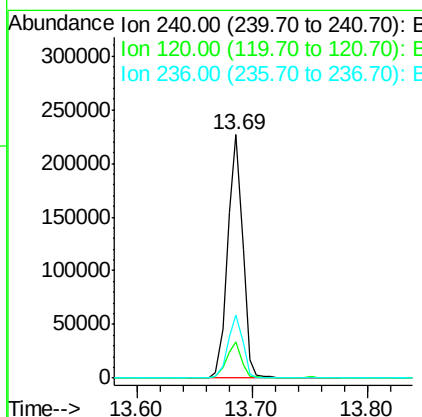
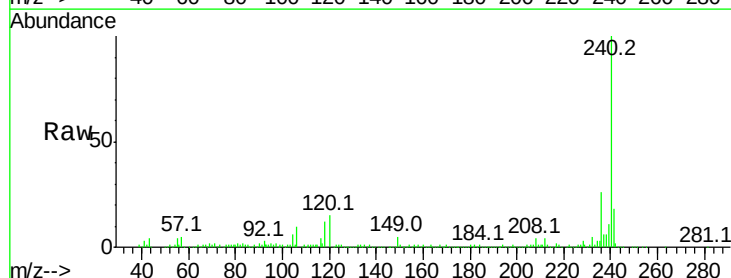
Manual Integrations
APPROVED

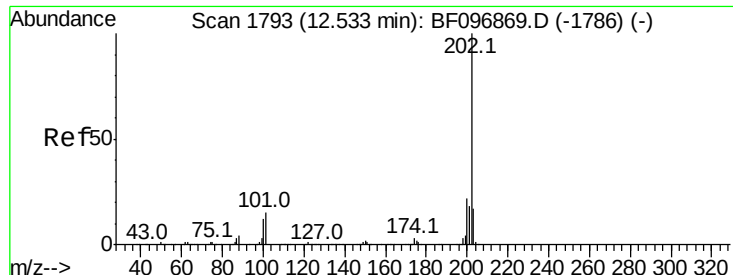
Sohil
 7/24/2017 3:05:20 PM



#75
Chrysene-d12
 Concen: 20.000 ng
 RT: 13.69 min Scan# 1989
 Delta R.T. -0.05 min
 Lab File: BF096955.D
 Acq: 21 Jul 2017 20:27

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.8	5.8	8.8#
236	25.8	20.5	30.7





#77

Pvrene

Concen: 3.003 ng

RT: 12.49 min Scan# 1786

Delta R.T. -0.05 min

Lab File: BF096955.D

Acq: 21 Jul 2017 20:27

Instrument :

BNA_F

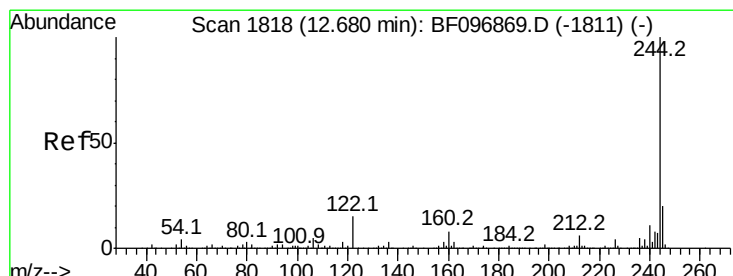
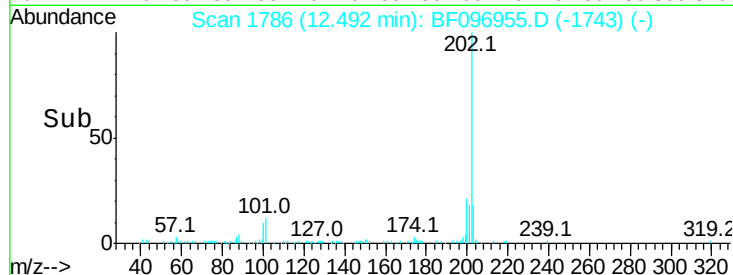
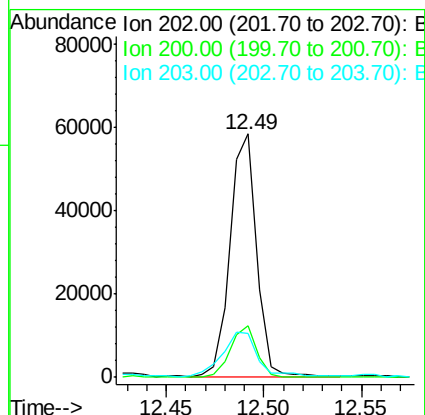
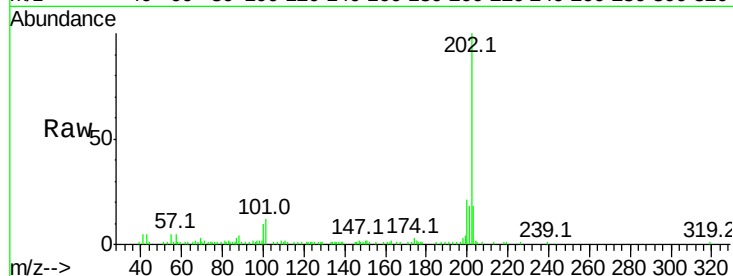
ClientSampleId :

B-2(6-10)COMP

Tot Ion:	202	Resp:	55673
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.6	26.4
203	17.9	14.4	21.6

Manual Integrations
APPROVED

Sohil
7/24/2017 3:05:20 PM



#78

Terphenyl-d14

Concen: 38.719 ng

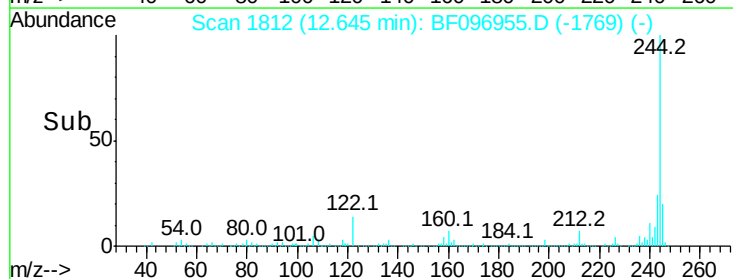
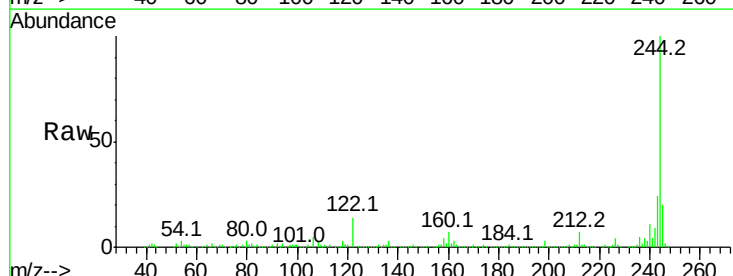
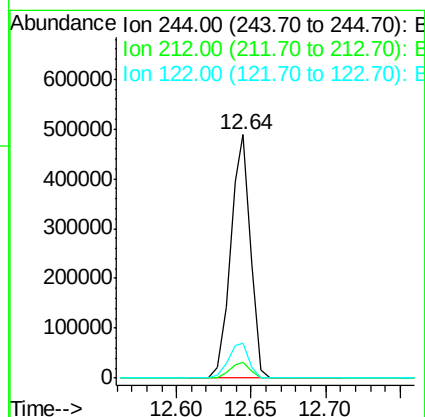
RT: 12.64 min Scan# 1812

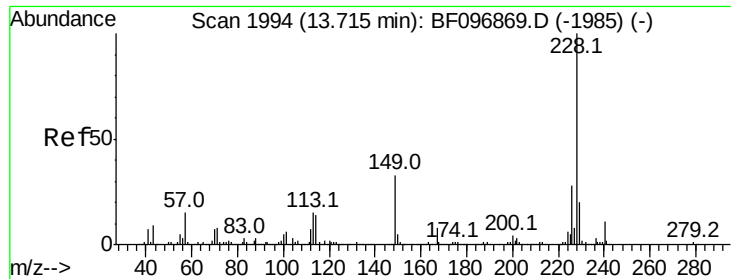
Delta R.T. -0.05 min

Lab File: BF096955.D

Acq: 21 Jul 2017 20:27

Tgt Ion:	244	Resp:	456115
Ion Ratio	Lower	Upper	
244	100		
212	6.7	6.0	9.0
122	14.3	10.3	15.5





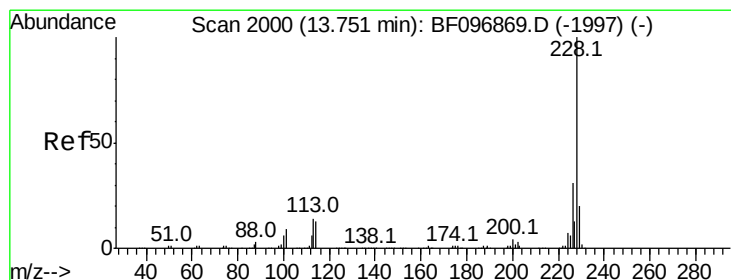
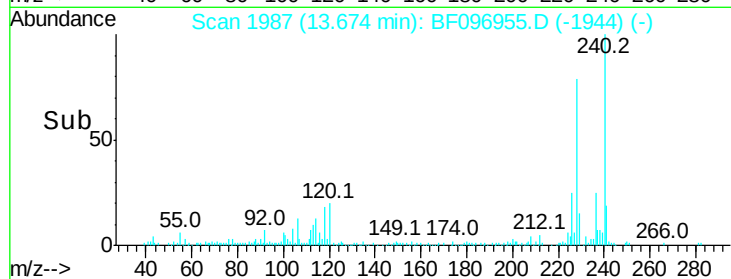
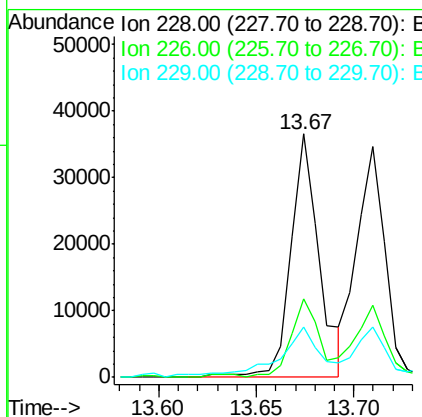
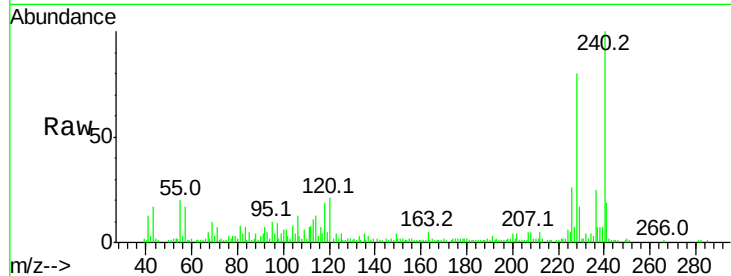
#80
Benzo(a)anthracene
Concen: 2.890 ng
RT: 13.67 min Scan# 1987
Delta R.T. -0.05 min
Lab File: BF096955.D
Acq: 21 Jul 2017 20:27

Instrument :
BNA_F
ClientSampleId :
B-2(6-10)COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.2	22.6	33.8
229	20.7	16.3	24.5

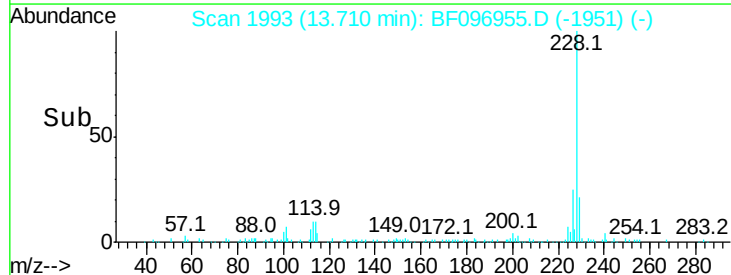
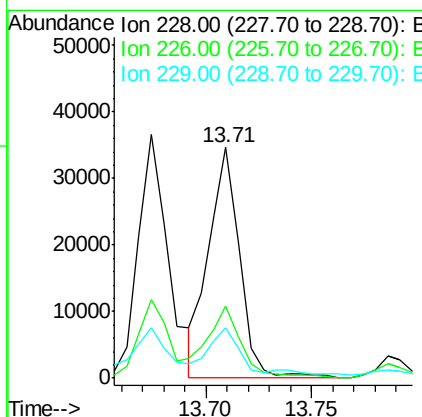
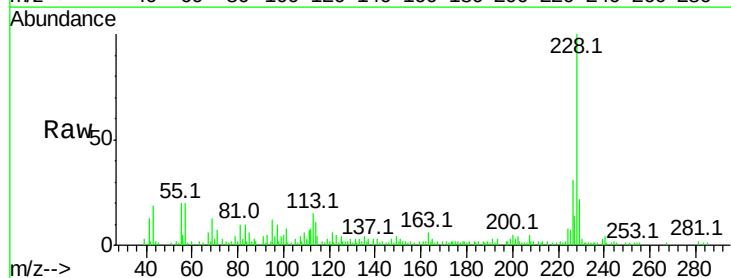
Manual Integrations
APPROVED

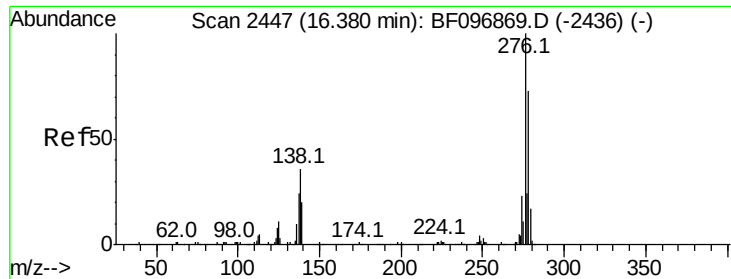
Sohil
7/24/2017 3:05:20 PM



#82
Chrysene
Concen: 2.835 ng
RT: 13.71 min Scan# 1993
Delta R.T. -0.05 min
Lab File: BF096955.D
Acq: 21 Jul 2017 20:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.9	37.3
229	21.9	15.8	23.6





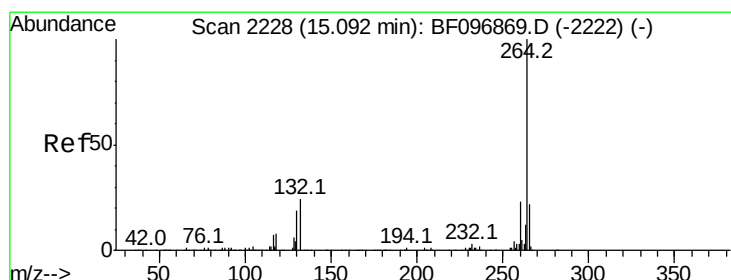
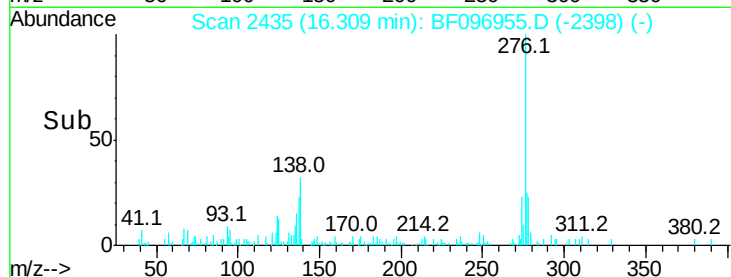
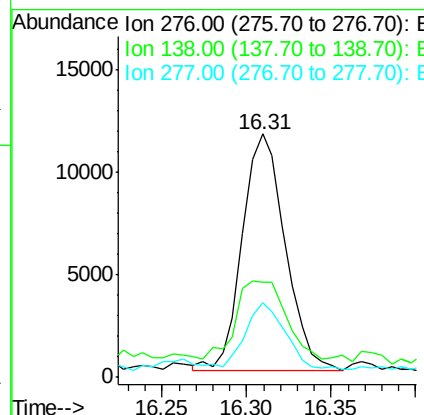
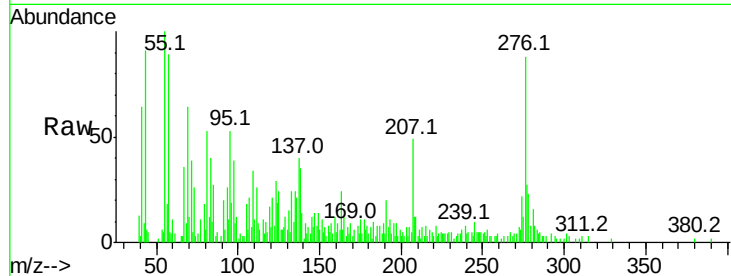
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.015 ng
RT: 16.31 min Scan# 2435
Delta R.T. -0.08 min
Lab File: BF096955.D
Acq: 21 Jul 2017 20:27

Instrument :
BNA_F
ClientSampleId :
B-2(6-10)COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	42.6	27.8	41.6#
277	27.0	20.2	30.4

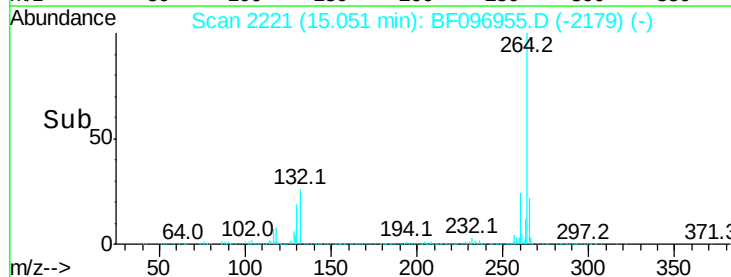
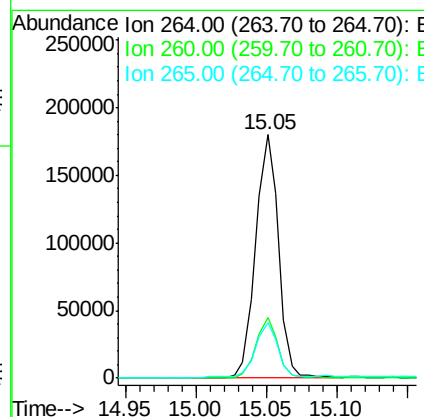
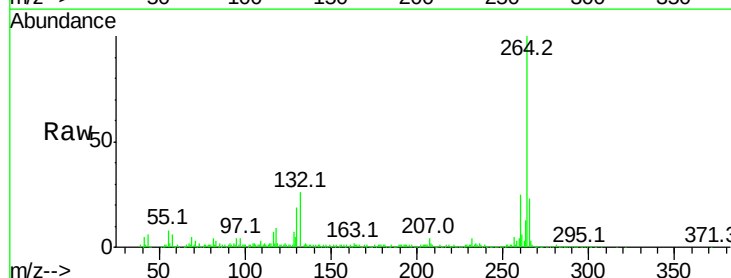
Manual Integrations
APPROVED

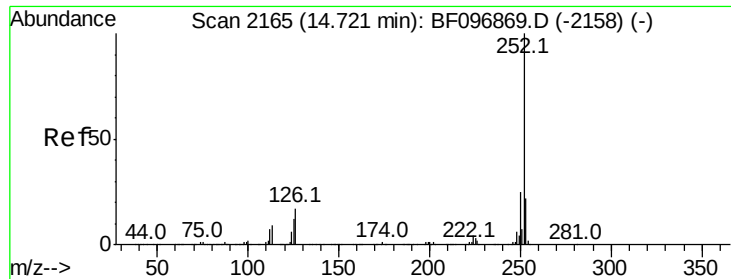
Sohil
7/24/2017 3:05:20 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.05 min Scan# 2221
Delta R.T. -0.05 min
Lab File: BF096955.D
Acq: 21 Jul 2017 20:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	22.5	17.2	25.8





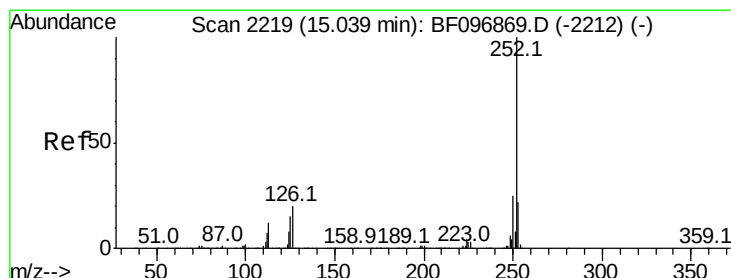
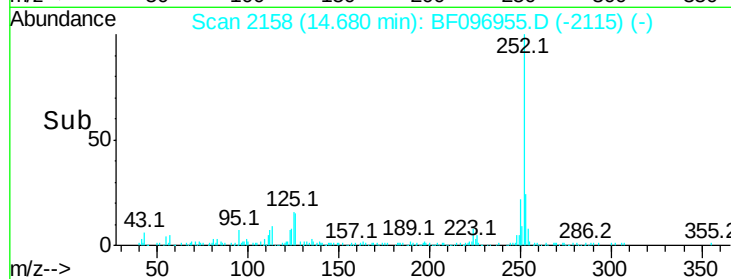
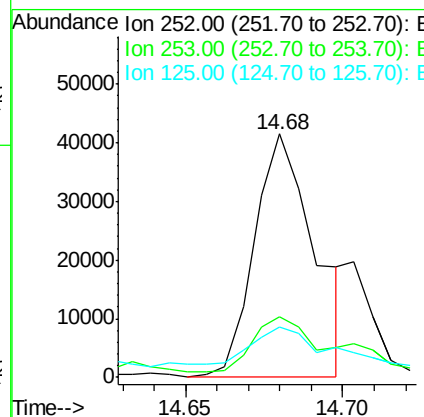
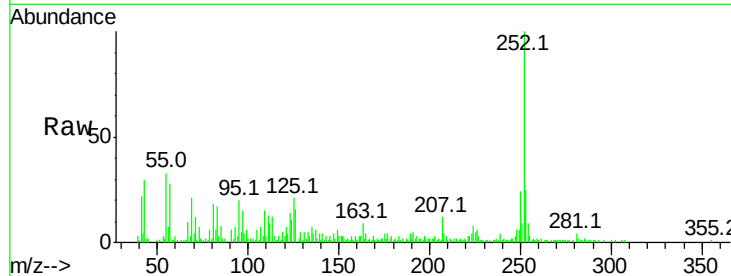
#87
Benzo(b)fluoranthene
Concen: 4.463 ng m
RT: 14.68 min Scan# 2158
Delta R.T. -0.05 min
Lab File: BF096955.D
Acq: 21 Jul 2017 20:27

Instrument :
BNA_F
ClientSampleId :
B-2(6-10)COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.1	27.1
125	20.7	9.8	14.8

Manual Integrations
APPROVED

Sohil
7/24/2017 3:05:20 PM



#89
Benzo(a)pyrene
Concen: 3.185 ng
RT: 14.99 min Scan# 2211
Delta R.T. -0.06 min
Lab File: BF096955.D
Acq: 21 Jul 2017 20:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	22.8	11.0	16.4

