

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF062217\
 Data File : BF096121.D
 Acq On : 22 Jun 2017 14:40
 Operator : SJ/MA
 Sample : I3688-18DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G11-1.5-3DL

Manual Integrations
 APPROVED

mohammad
 6/26/2017 8:27:28 AM

Quant Time: Jun 22 16:49:16 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	99356	20.00	ng	-0.02
21) Naphthalene-d8	9.31	136	412593	20.00	ng	-0.02
38) Acenaphthene-d10	12.13	164	187969	20.00	ng	-0.02
63) Phenanthrene-d10	14.52	188	320780	20.00	ng	-0.02
75) Chrysene-d12	18.26	240	188493	20.00	ng	-0.01
86) Perylene-d12	19.94	264	162644	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	63800m	10.23	ng	0.08
7) Phenol-d6	6.93	99	80785m	10.82	ng	0.06
23) Nitrobenzene-d5	8.25	82	39952	6.01	ng	0.02
41) 2,4,6-Tribromophenol	13.45	330	14489	8.71	ng	0.00
44) 2-Fluorobiphenyl	11.09	172	100252	7.42	ng	-0.02
78) Terphenyl-d14	16.91	244	64213	8.45	ng	-0.02
Target Compounds						Qvalue
54) Dibenzofuran	12.49	168	46980	2.79	ng	98
57) Fluorene	13.03	166	31048	2.12	ng	# 99
70) Phenanthrene	14.56	178	608095	32.85	ng	98
71) Anthracene	14.66	178	87670	4.54	ng	97
74) Fluoranthene	16.36	202	504763	27.55	ng	99
77) Pyrene	16.66	202	334441	23.78	ng	97
80) Benzo(a)anthracene	18.25	228	88045	8.03	ng	99
82) Chrysene	18.30	228	112690	10.29	ng	99
85) Indeno(1,2,3-cd)pyrene	21.13	276	28149	3.00	ng	97
87) Benzo(b)fluoranthene	19.54	252	85224	8.37	ng	# 93
88) Benzo(k)fluoranthene	19.57	252	26177m	2.69	ng	
89) Benzo(a)pyrene	19.89	252	34030	3.64	ng	97
91) Benzo(a,h,i)perylene	21.46	276	21451	2.65	ng	97

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

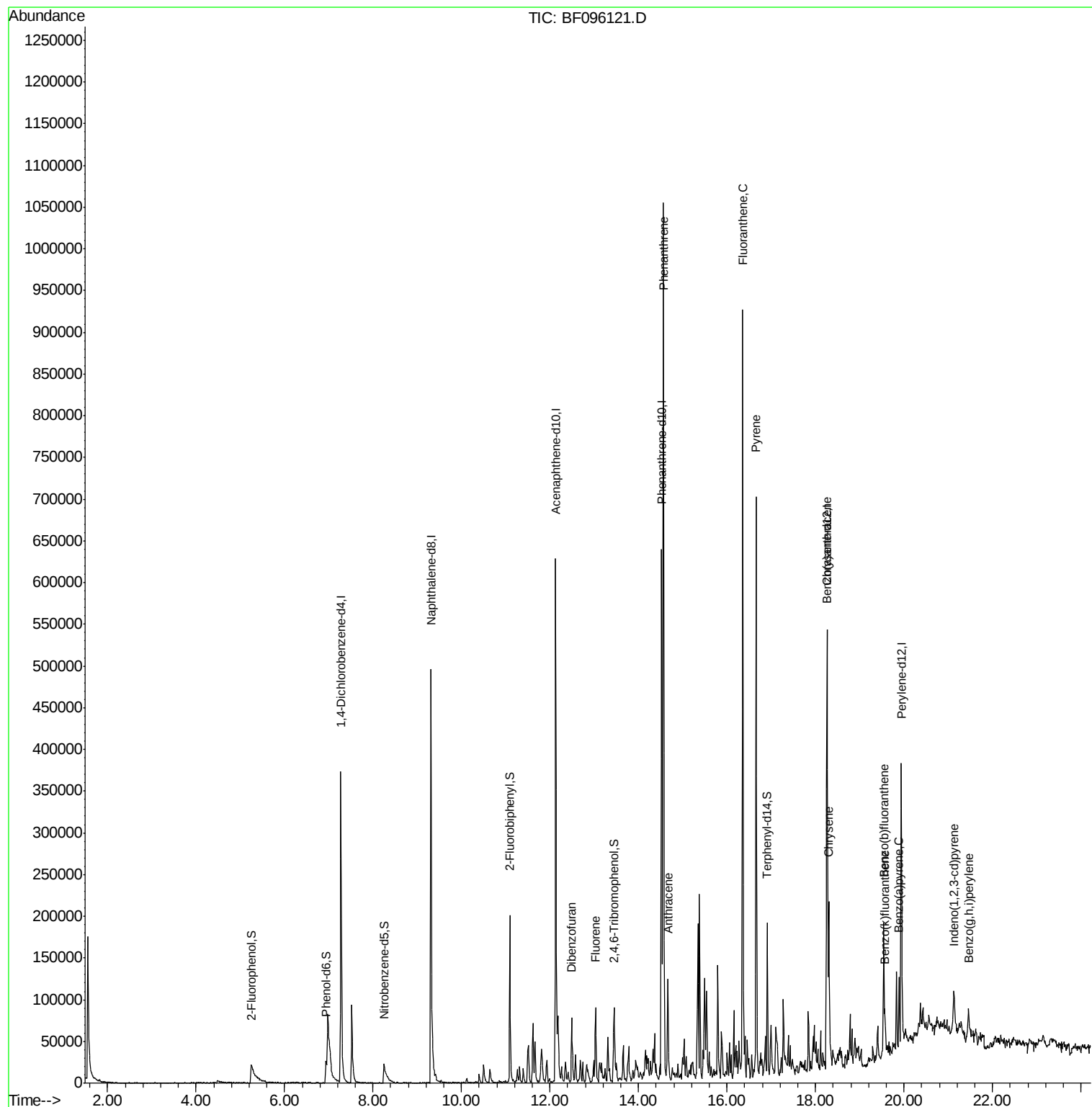
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF062217\
Data File : BF096121.D
Acq On : 22 Jun 2017 14:40
Operator : SJ/MA
Sample : I3688-18DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

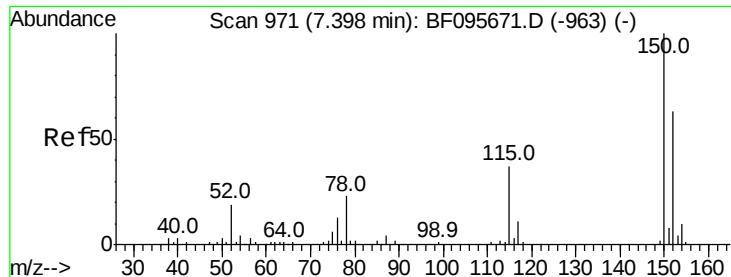
Instrument :
BNA_F
ClientSampleId :
G11-1.5-3DL

Manual Integrations
APPROVED

mohammad
6/26/2017 8:27:28 AM

Quant Time: Jun 22 16:49:16 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

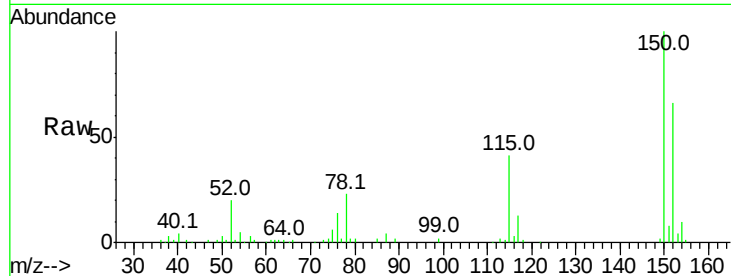
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.27 min Scan# 984
Delta R.T. -0.02 min
Lab File: BF096121.D
Acq: 22 Jun 2017 14:40

Instrument :
BNA_F
ClientSampleId :
G11-1.5-3DL

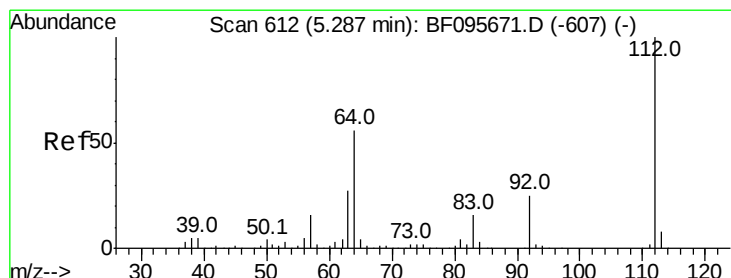
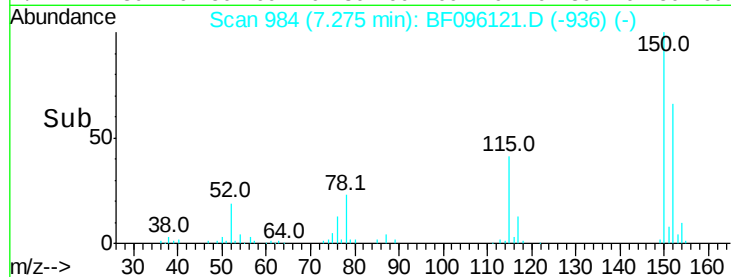
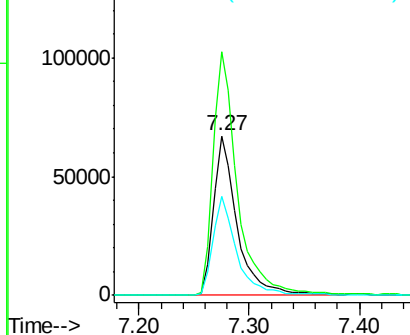
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.4	126.2	189.2
115	61.8	52.2	78.2

Manual Integrations
APPROVED

mohammad
6/26/2017 8:27:28 AM



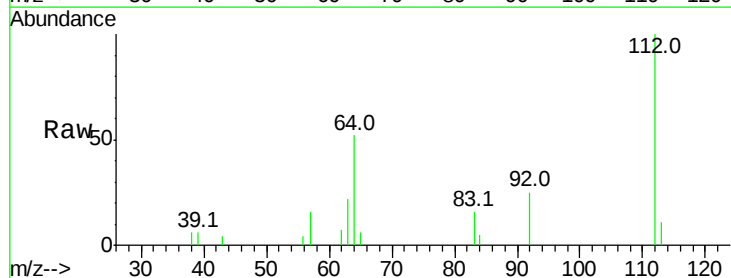
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



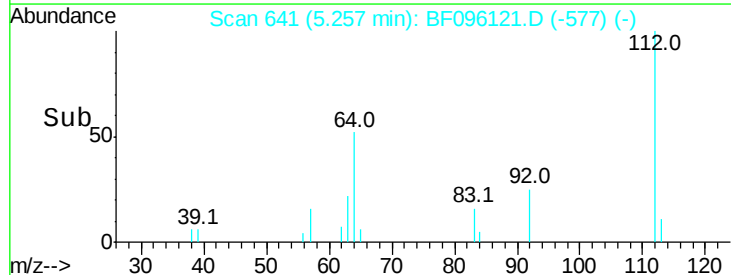
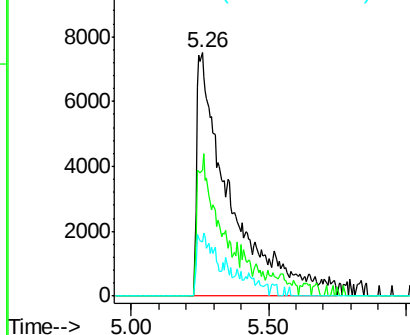
#5

2-Fluorophenol
Concen: 10.23 ng m
RT: 5.26 min Scan# 641
Delta R.T. 0.08 min
Lab File: BF096121.D
Acq: 22 Jun 2017 14:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.7	46.0	69.0
63	22.3	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: 10.82 ng/mL

RT: 6.93 min Scan# 926

Delta R.T. 0.06 min

Lab File: BF096121.D

Acq: 22 Jun 2017 14:40

Instrument :

BNA_F

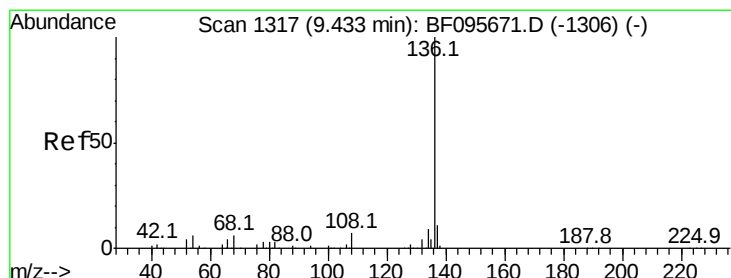
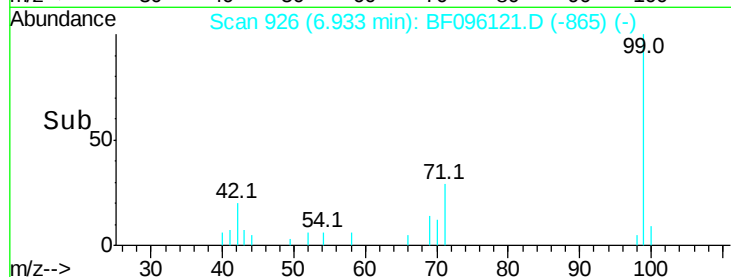
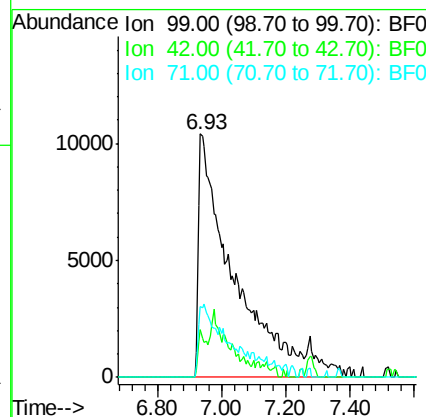
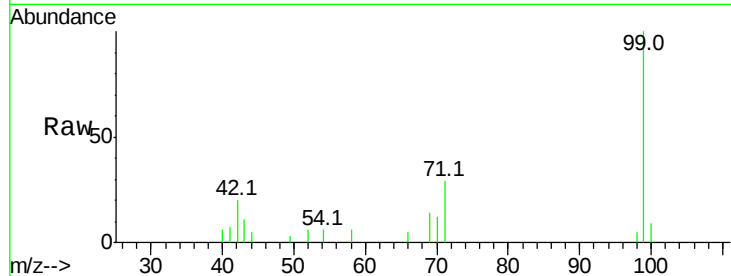
ClientSampleId :

G11-1.5-3DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		80785		
42	19.7	13.5	20.3		
71	29.1	24.5	36.7		

Manual Integrations
APPROVED

mohammad
6/26/2017 8:27:28 AM



#21

Naphthalene-d8

Concen: 20.00 ng

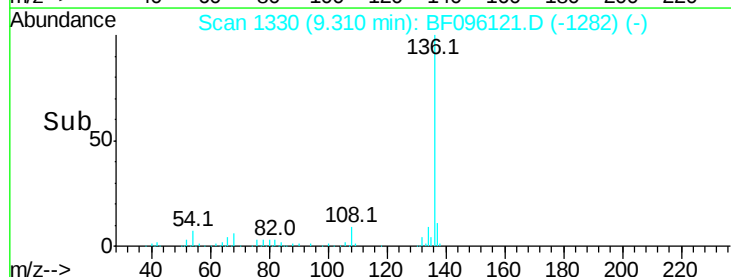
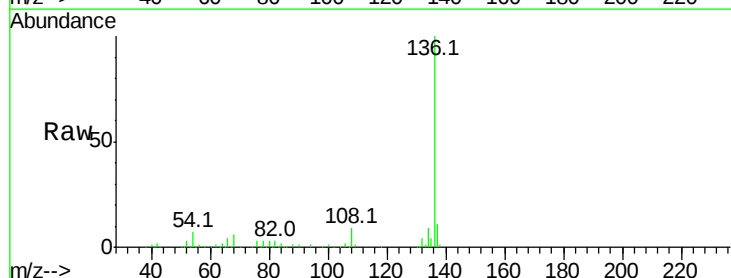
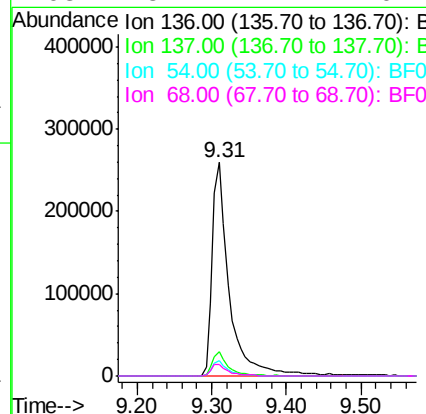
RT: 9.31 min Scan# 1330

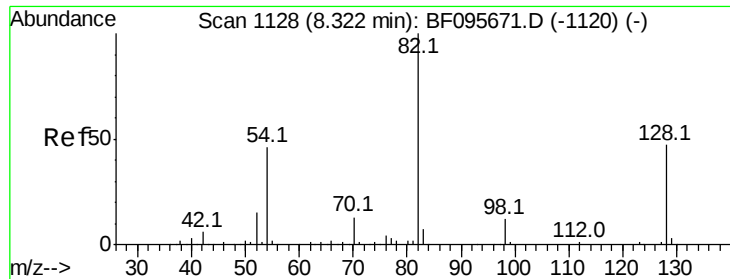
Delta R.T. -0.02 min

Lab File: BF096121.D

Acq: 22 Jun 2017 14:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		412593		
137	11.2	8.5	12.7		
54	7.1	4.9	7.3		
68	5.7	4.1	6.1		





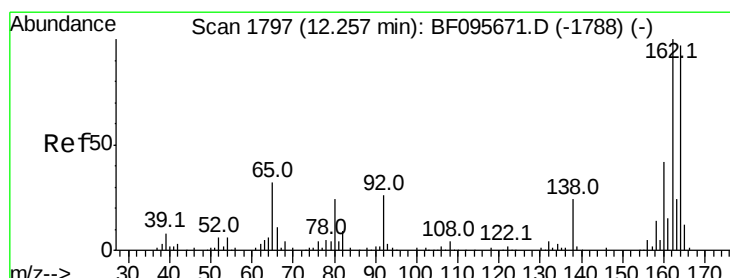
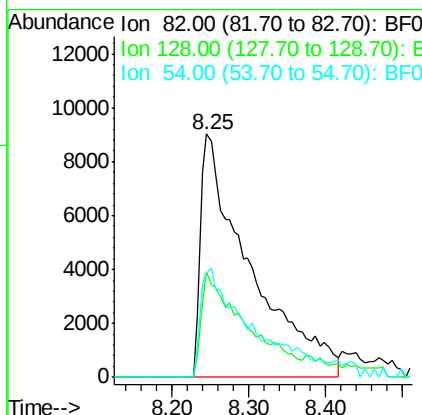
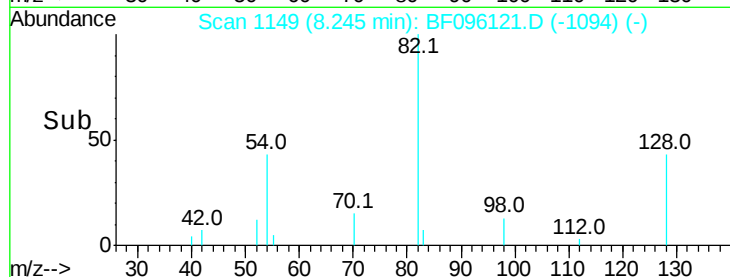
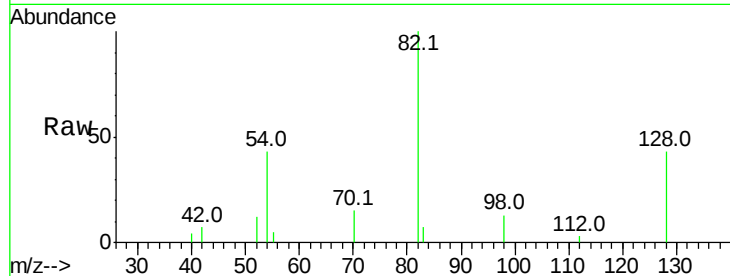
#23
 Nitrobenzene-d5
 Concen: 6.01 ng
 RT: 8.25 min Scan# 1149
 Delta R.T. 0.02 min
 Lab File: BF096121.D
 Acq: 22 Jun 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :
 G11-1.5-3DL

Tot Ion	82	Resp	39952
Ion Ratio	100	Lower	Upper
128	43.3	34.0	51.0
54	42.6	42.2	63.2

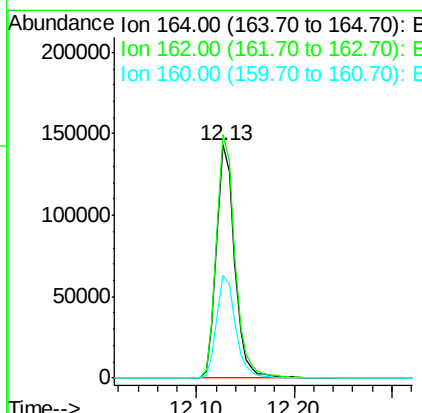
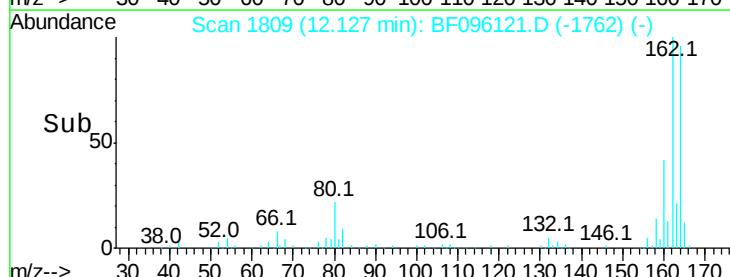
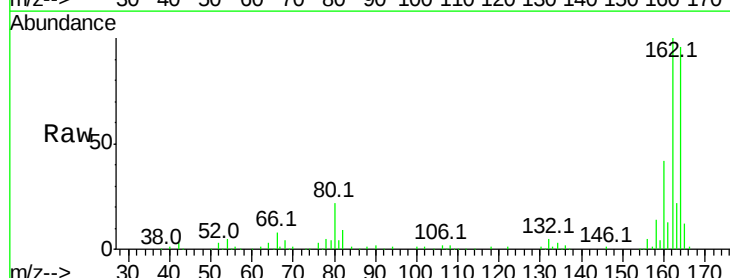
Manual Integrations
 APPROVED

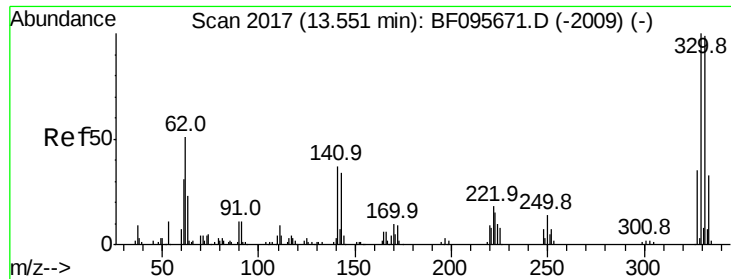
mohammad
 6/26/2017 8:27:28 AM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.13 min Scan# 1809
 Delta R.T. -0.02 min
 Lab File: BF096121.D
 Acq: 22 Jun 2017 14:40

Tgt Ion	164	Resp	187969
Ion Ratio	100	Lower	Upper
162	104.5	82.6	123.8
160	44.3	36.2	54.2





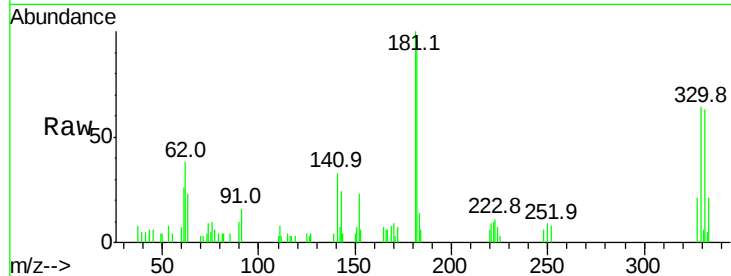
#41
 2,4,6-Tribromophenol
 Concen: 8.71 ng
 RT: 13.45 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: BF096121.D
 Acq: 22 Jun 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :
 G11-1.5-3DL

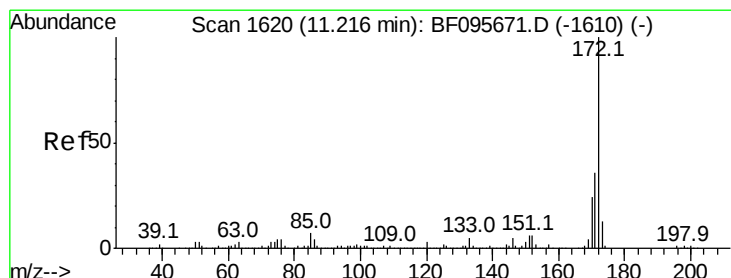
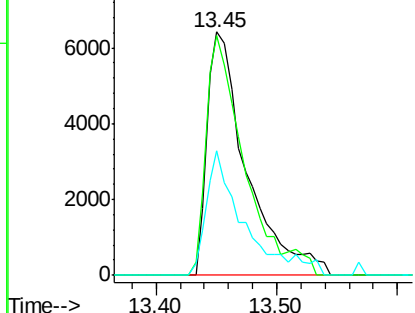
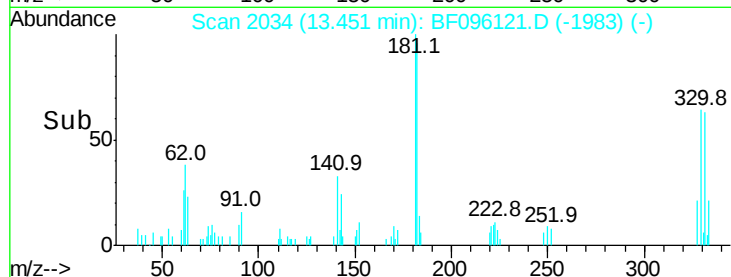
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.6	115.0
141	48.7	31.4	47.2#

Manual Integrations
 APPROVED

mohammad
 6/26/2017 8:27:28 AM

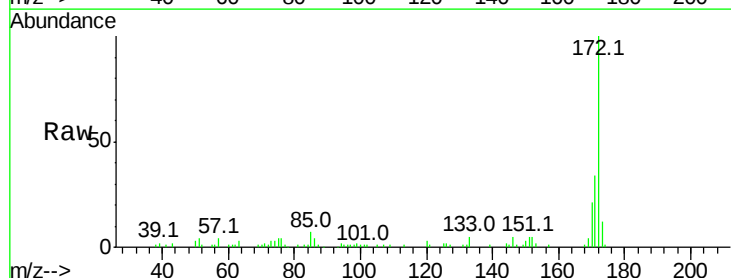


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

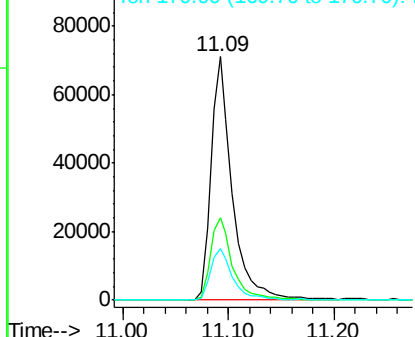
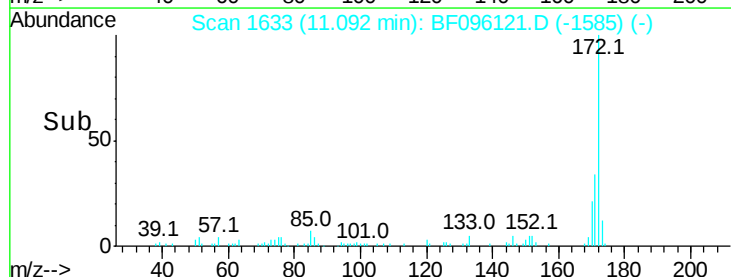


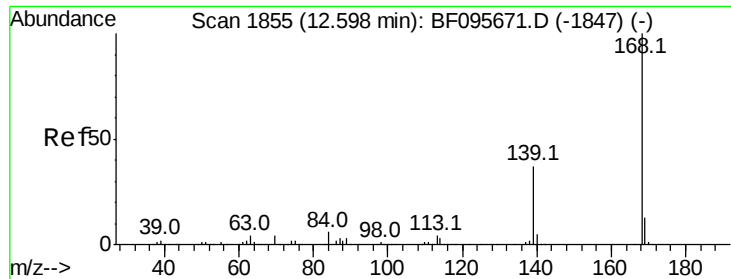
#44
 2-Fluorobiphenyl
 Concen: 7.42 ng
 RT: 11.09 min Scan# 1633
 Delta R.T. -0.02 min
 Lab File: BF096121.D
 Acq: 22 Jun 2017 14:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.7	29.6	44.4
170	21.0	19.8	29.8



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





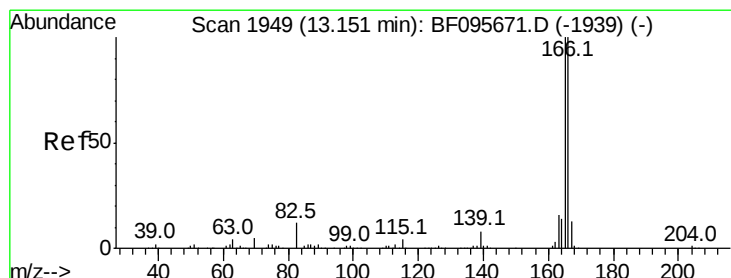
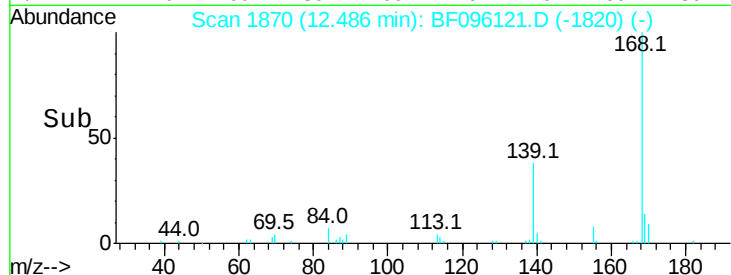
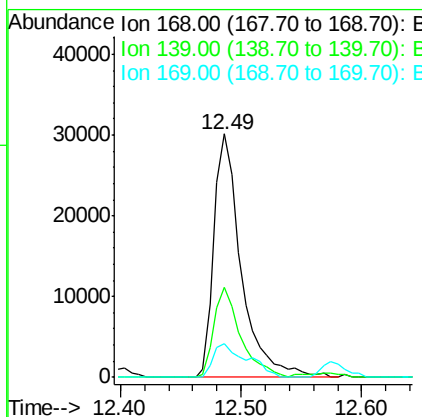
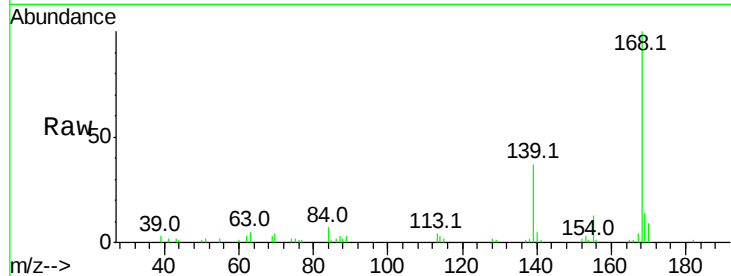
#54
Dibenzenofuran
Concen: 2.79 ng
RT: 12.49 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BF096121.D
Acq: 22 Jun 2017 14:40

Instrument :
BNA_F
ClientSampleId :
G11-1.5-3DL

Tot Ion	Ratio	Resp	Lower	Upper
168	100	46980		
139	37.0		30.6	45.8
169	13.8		10.8	16.2

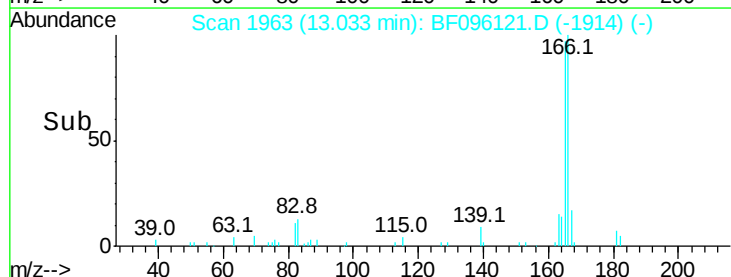
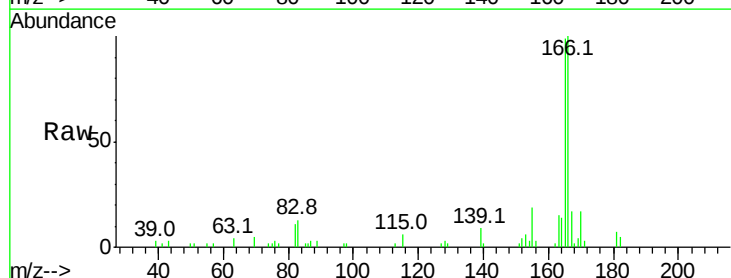
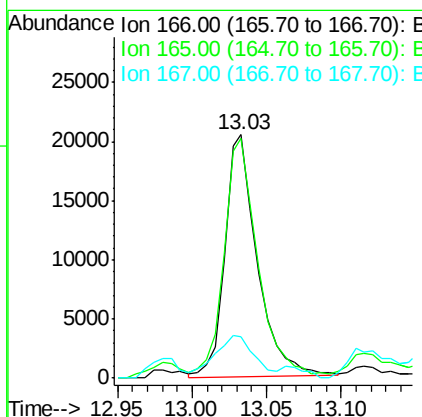
Manual Integrations
APPROVED

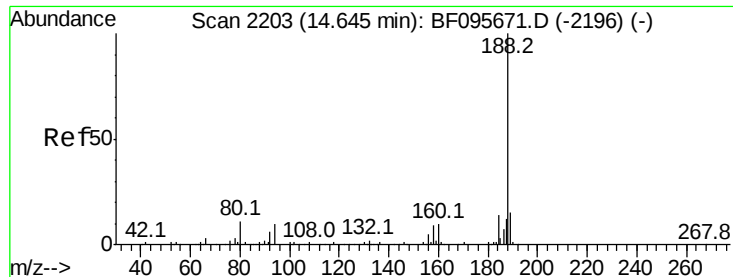
mohammad
6/26/2017 8:27:28 AM



#57
Fluorene
Concen: 2.12 ng
RT: 13.03 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BF096121.D
Acq: 22 Jun 2017 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	31048		
165	98.6		78.8	118.2
167	16.9		10.6	16.0#





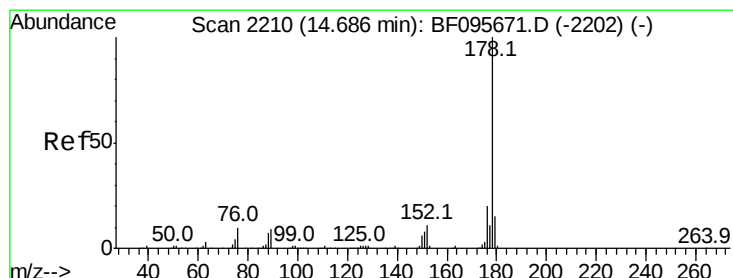
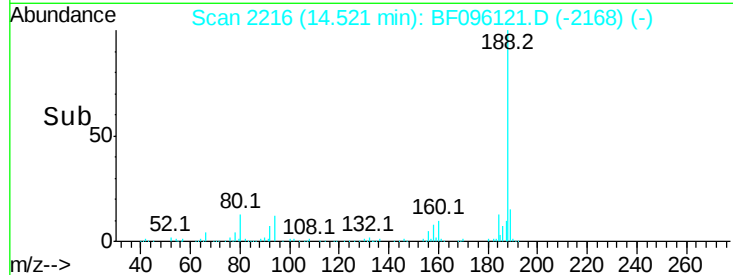
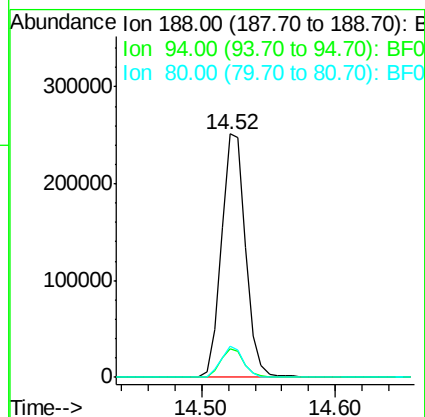
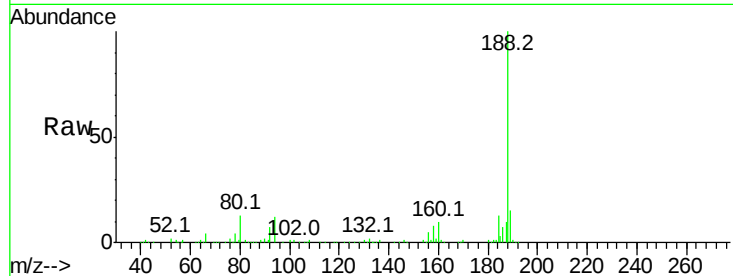
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.52 min Scan# 2216
Delta R.T. -0.02 min
Lab File: BF096121.D
Acq: 22 Jun 2017 14:40

Instrument :
BNA_F
ClientSampleId :
G11-1.5-3DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.6	9.4	14.2	
80	12.8	10.2	15.2	

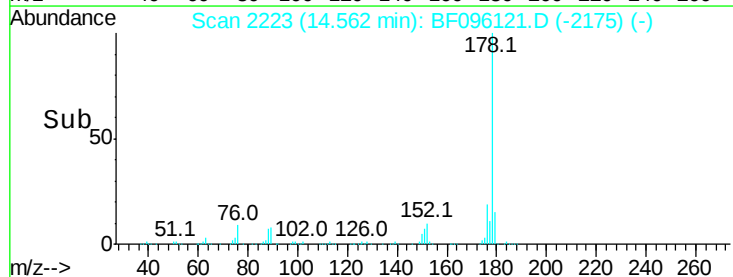
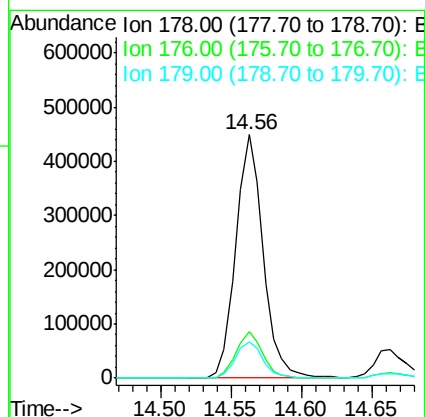
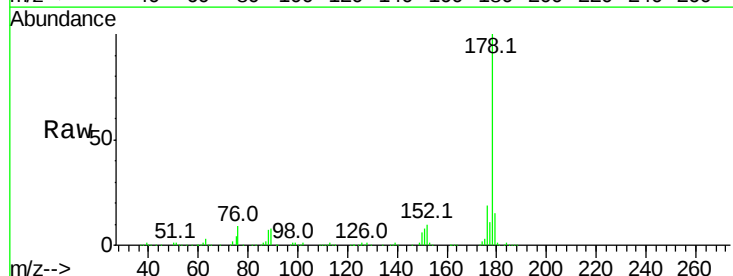
Manual Integrations
APPROVED

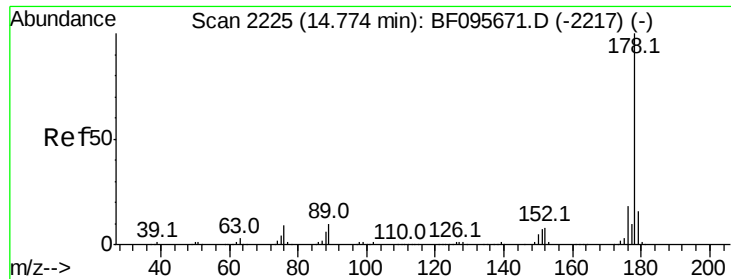
mohammad
6/26/2017 8:27:28 AM



#70
Phenanthrene
Concen: 32.85 ng
RT: 14.56 min Scan# 2223
Delta R.T. -0.02 min
Lab File: BF096121.D
Acq: 22 Jun 2017 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.0	16.2	24.4	
179	15.1	12.6	19.0	





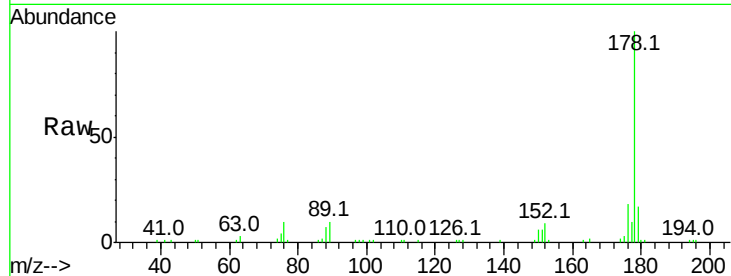
#71
 Anthracene
 Concen: 4.54 ng
 RT: 14.66 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: BF096121.D
 Acq: 22 Jun 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :
 G11-1.5-3DL

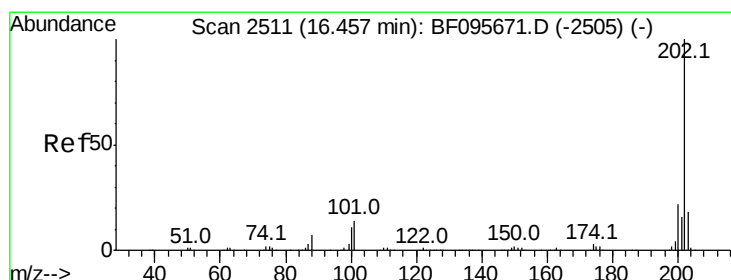
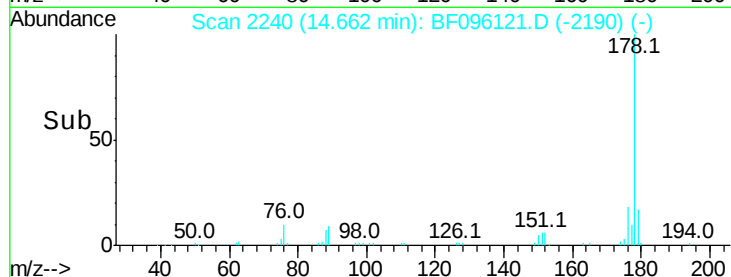
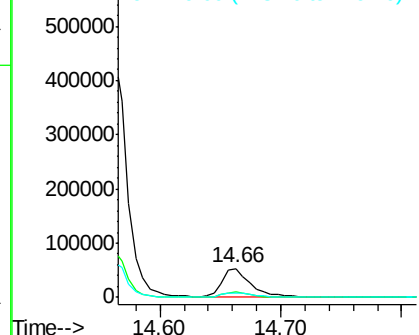
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	16.7	12.7	19.1

Manual Integrations
 APPROVED

mohammad
 6/26/2017 8:27:28 AM



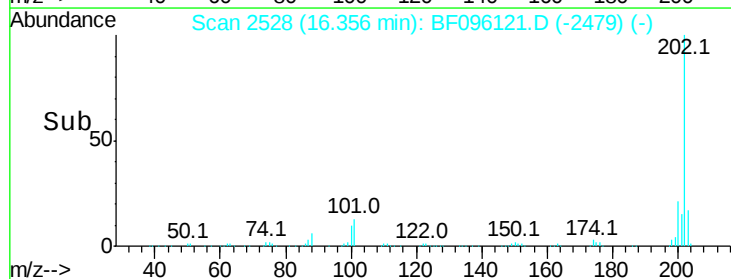
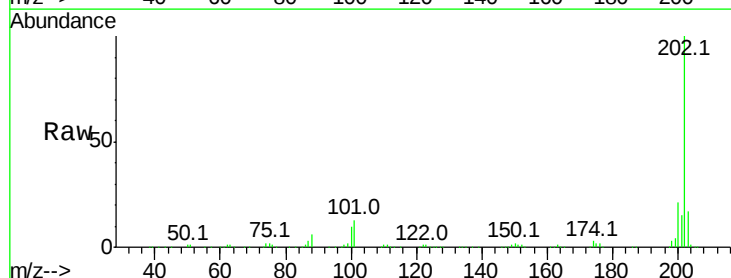
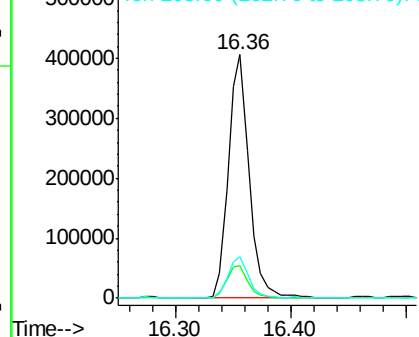
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

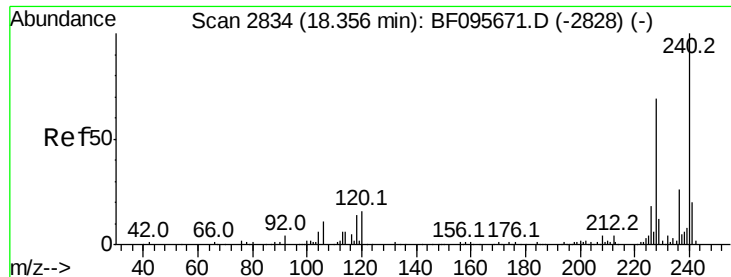


#74
 Fluoranthene
 Concen: 27.55 ng
 RT: 16.36 min Scan# 2528
 Delta R.T. -0.01 min
 Lab File: BF096121.D
 Acq: 22 Jun 2017 14:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	33.2
203	17.2	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





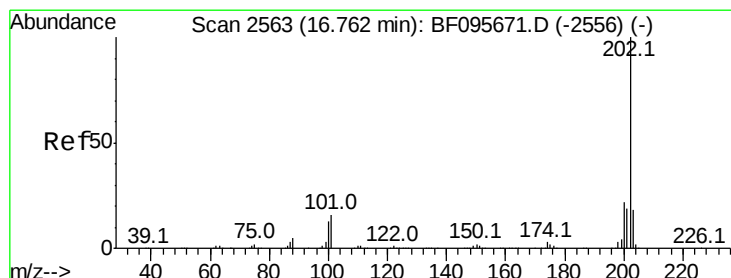
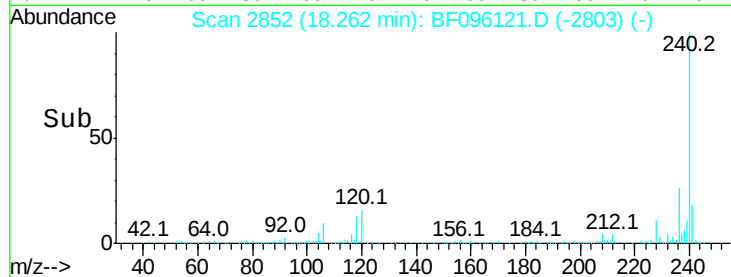
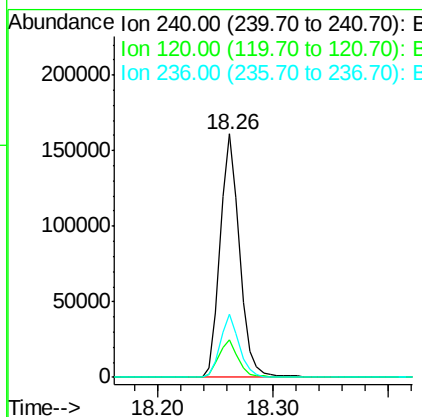
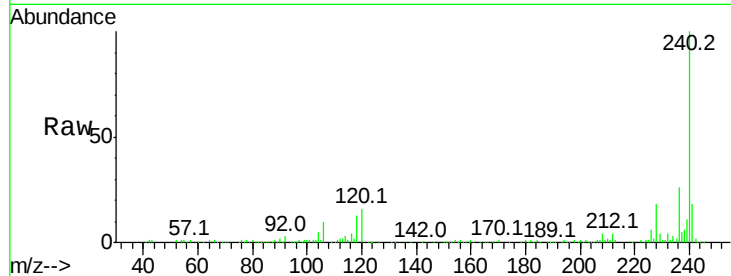
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.26 min Scan# 2852
 Delta R.T. -0.01 min
 Lab File: BF096121.D
 Acq: 22 Jun 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :
 G11-1.5-3DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.6	5.8	8.8#
236	26.0	20.5	30.7

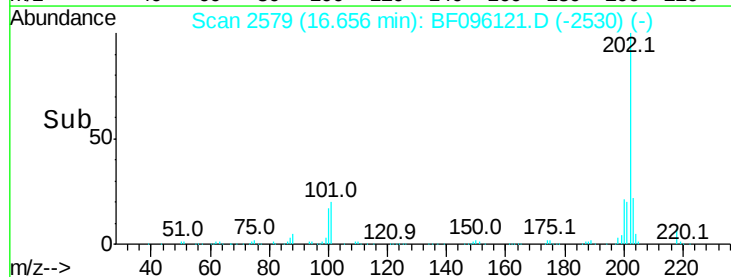
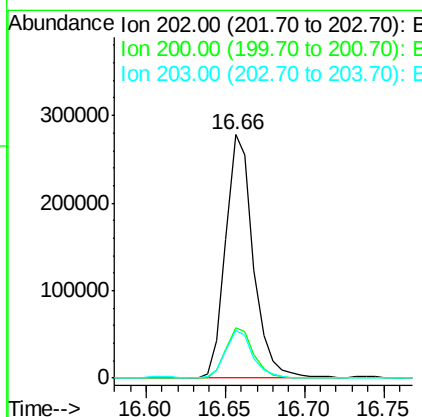
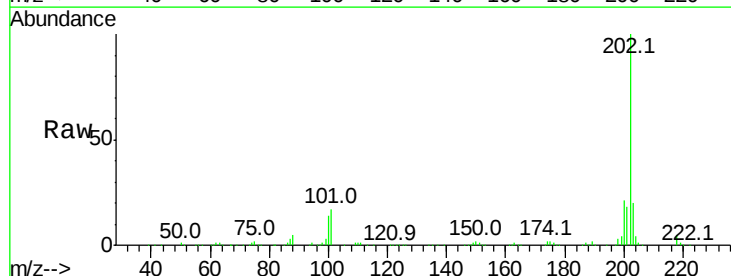
Manual Integrations
 APPROVED

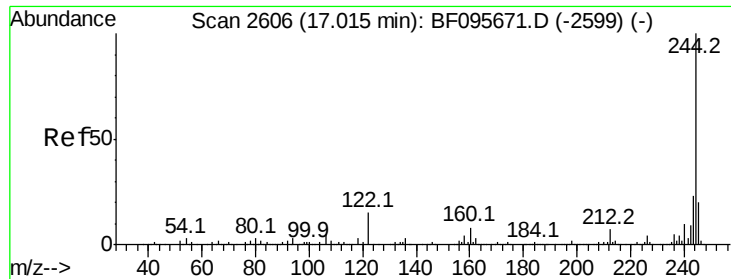
mohammad
 6/26/2017 8:27:28 AM



#77
 Pyrene
 Concen: 23.78 ng
 RT: 16.66 min Scan# 2579
 Delta R.T. -0.01 min
 Lab File: BF096121.D
 Acq: 22 Jun 2017 14:40

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	19.7	14.4	21.6





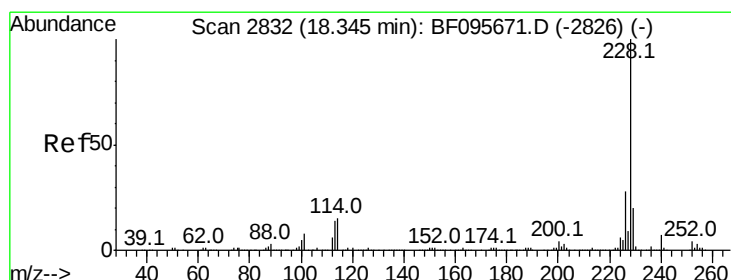
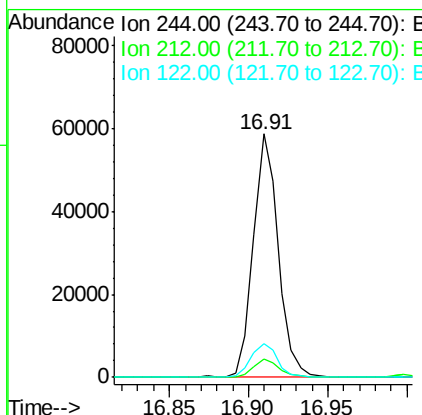
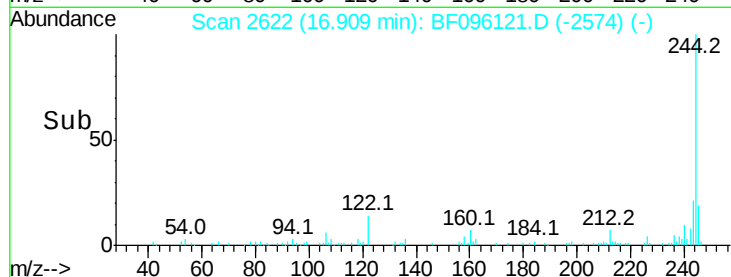
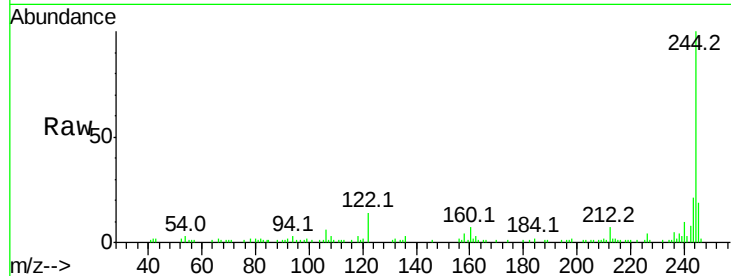
#78
 Terphenyl-d14
 Concen: 8.45 ng
 RT: 16.91 min Scan# 2622
 Delta R.T. -0.02 min
 Lab File: BF096121.D
 Acq: 22 Jun 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :
 G11-1.5-3DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	13.8	10.3	15.5

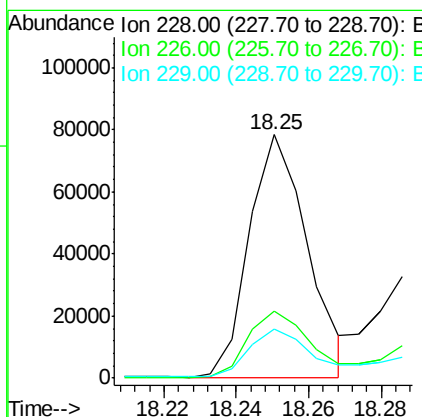
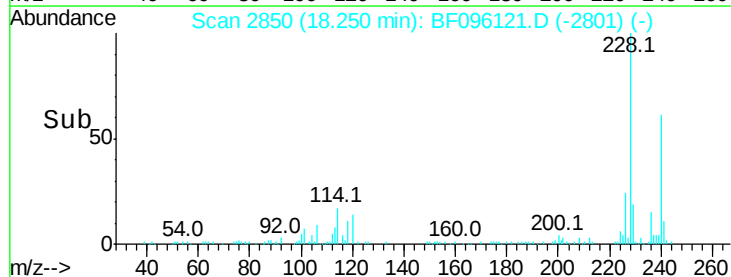
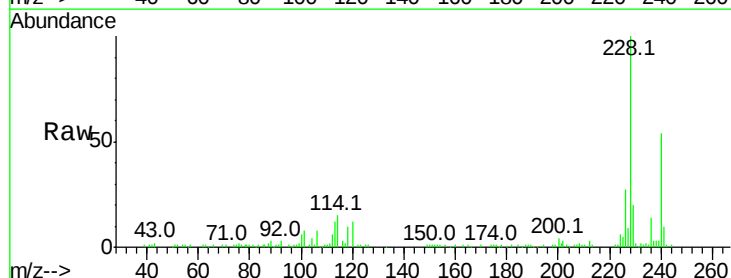
Manual Integrations
 APPROVED

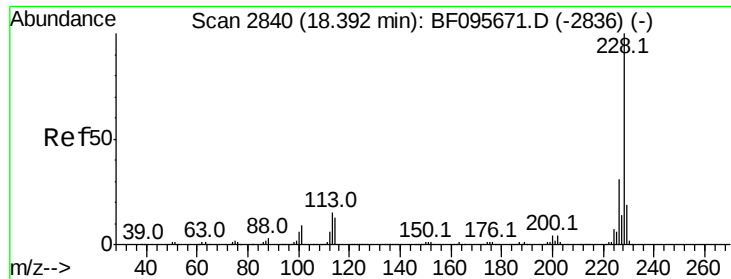
mohammad
 6/26/2017 8:27:28 AM



#80
 Benzo(a)anthracene
 Concen: 8.03 ng
 RT: 18.25 min Scan# 2850
 Delta R.T. -0.01 min
 Lab File: BF096121.D
 Acq: 22 Jun 2017 14:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	20.3	16.3	24.5





#82

Chrysene

Concen: 10.29 ng

RT: 18.30 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BF096121.D

Acq: 22 Jun 2017 14:40

Instrument :

BNA_F

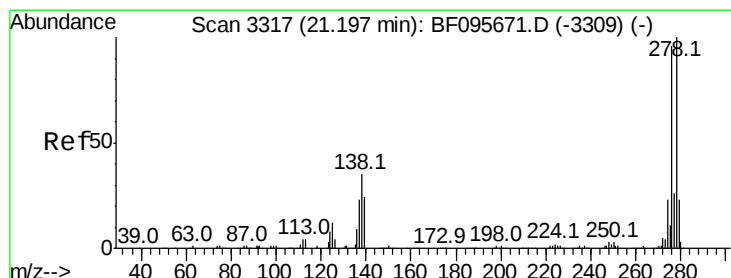
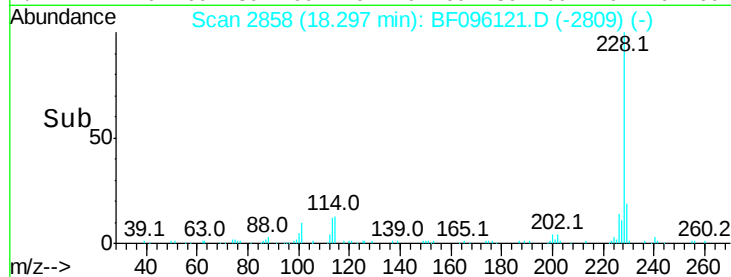
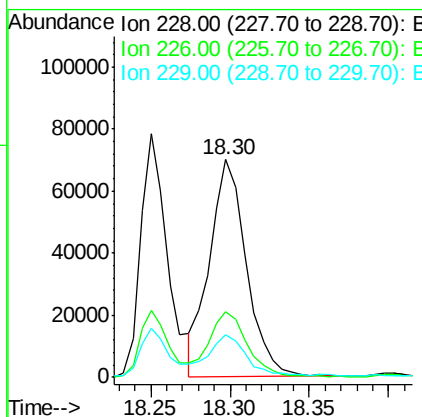
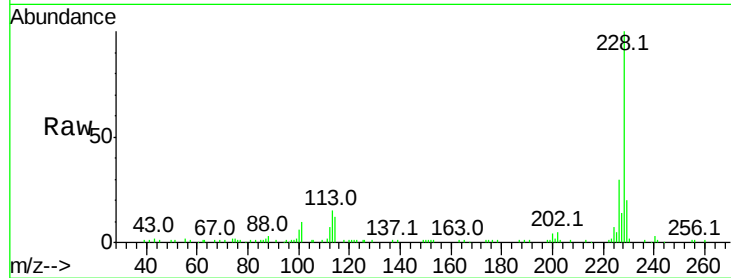
ClientSampled :

G11-1.5-3DL

Tot Ion:	228	Resp:	112690
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.9	37.3
229	19.5	15.8	23.6

Manual Integrations
APPROVED

mohammad
6/26/2017 8:27:28 AM



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.00 ng

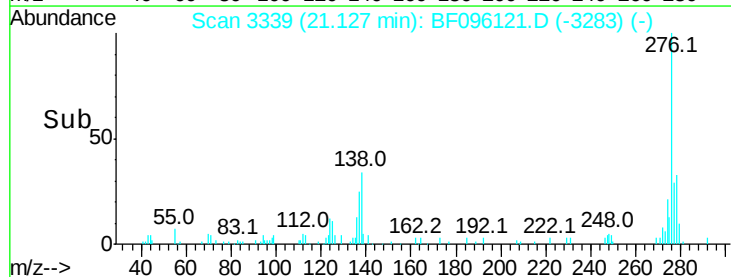
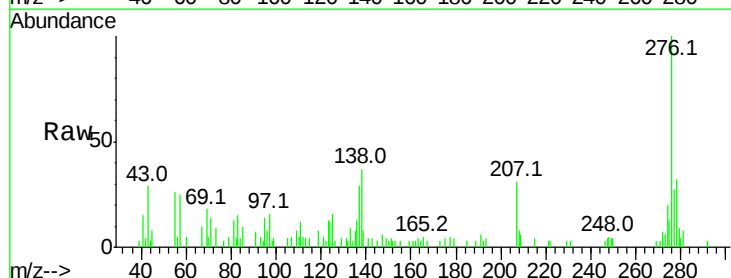
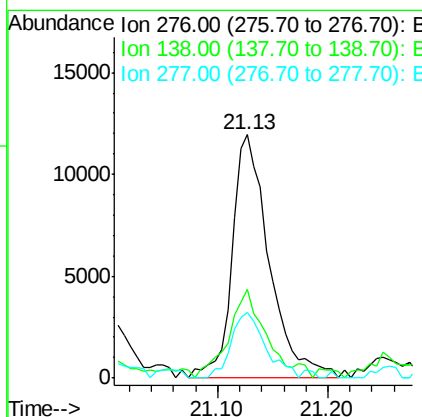
RT: 21.13 min Scan# 3339

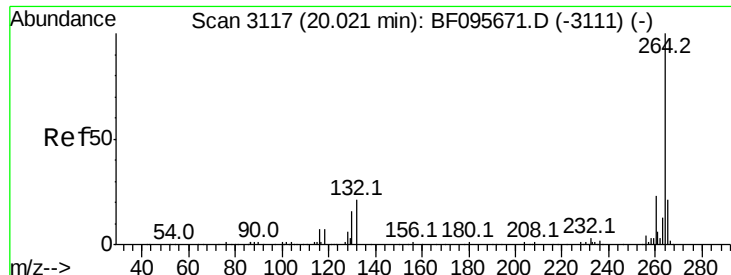
Delta R.T. 0.03 min

Lab File: BF096121.D

Acq: 22 Jun 2017 14:40

Tgt Ion:	276	Resp:	28149
Ion Ratio	Lower	Upper	
276	100		
138	37.0	27.8	41.6
277	24.9	20.2	30.4





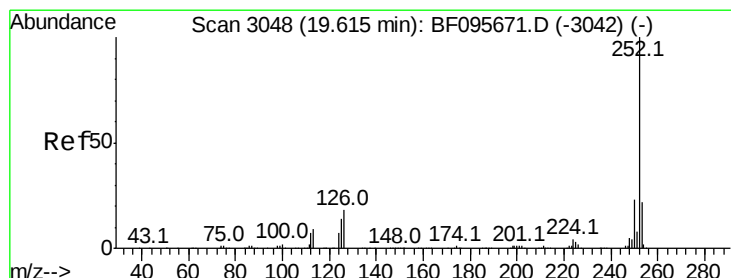
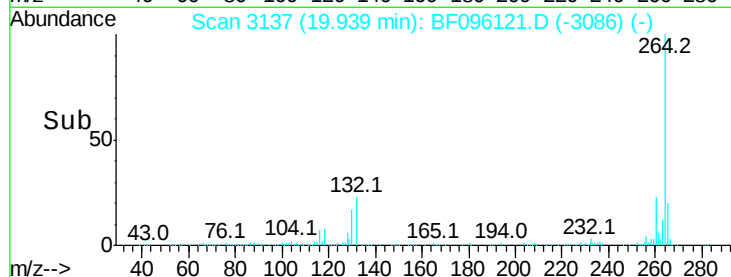
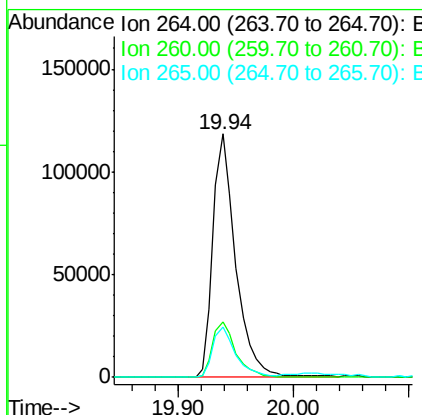
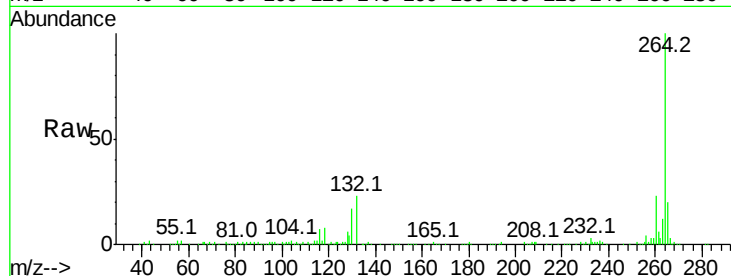
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.94 min Scan# 3137
Delta R.T. 0.00 min
Lab File: BF096121.D
Acq: 22 Jun 2017 14:40

Instrument :
BNA_F
ClientSampleId :
G11-1.5-3DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.5	29.3
265	20.5	17.2	25.8

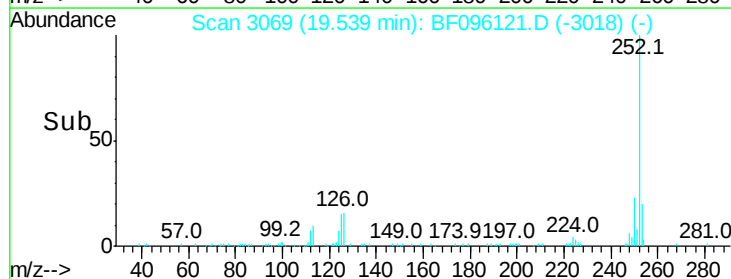
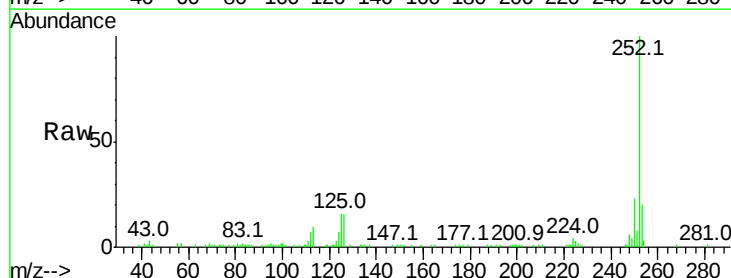
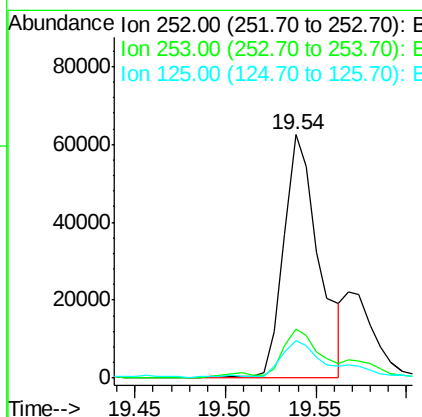
Manual Integrations
APPROVED

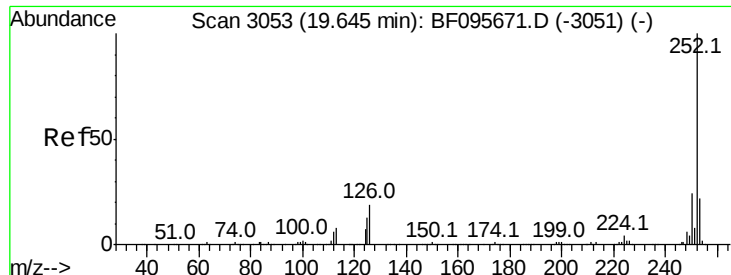
mohammad
6/26/2017 8:27:28 AM



#87
Benzo(b)fluoranthene
Concen: 8.37 ng
RT: 19.54 min Scan# 3069
Delta R.T. 0.00 min
Lab File: BF096121.D
Acq: 22 Jun 2017 14:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.0	18.1	27.1
125	15.7	9.8	14.8





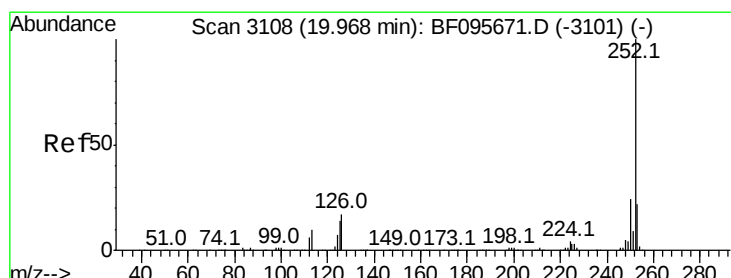
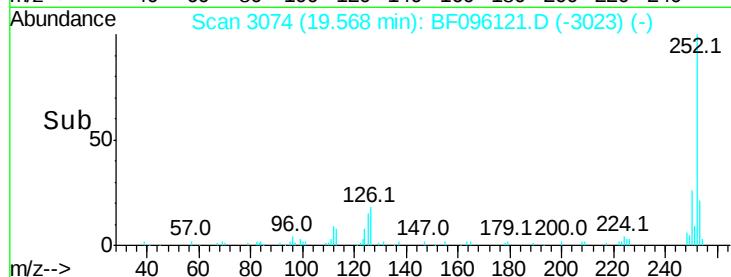
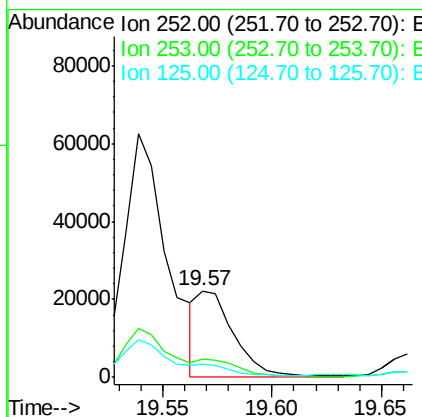
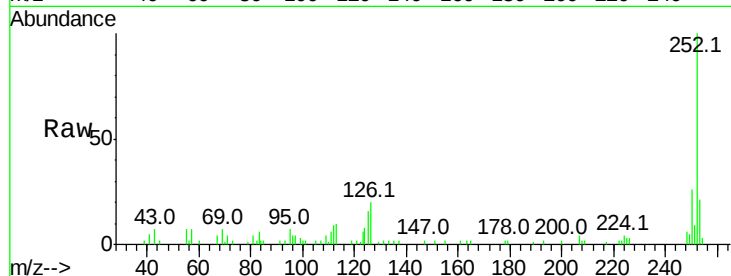
#88
Benzo(k)fluoranthene
Concen: 2.69 ng m
RT: 19.57 min Scan# 3074
Delta R.T. 0.00 min
Lab File: BF096121.D
Acq: 22 Jun 2017 14:40

Instrument :
BNA_F
ClientSampleId :
G11-1.5-3DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.8	18.4	27.6
125	16.0	13.1	19.7

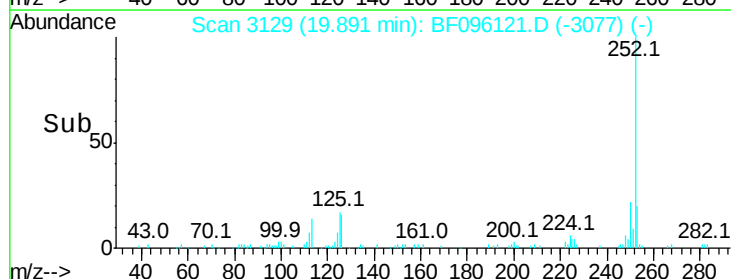
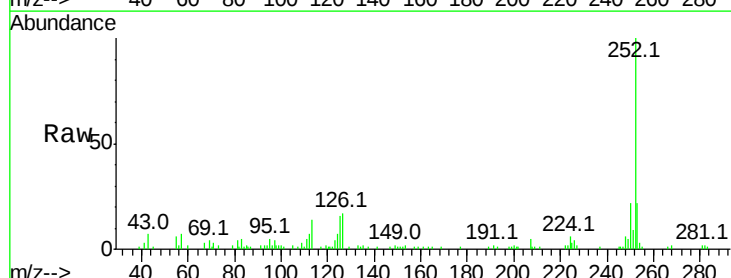
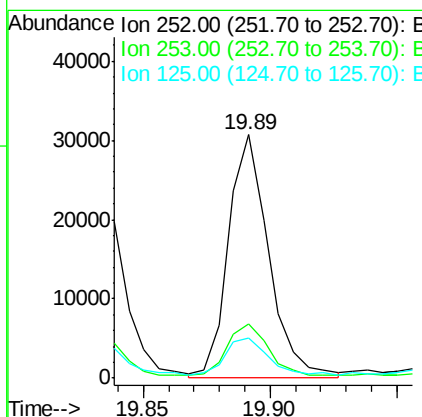
Manual Integrations
APPROVED

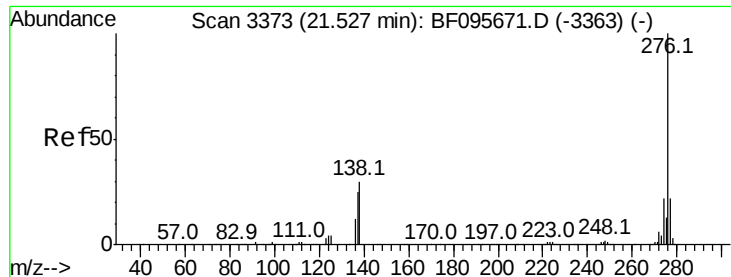
mohammad
6/26/2017 8:27:28 AM



#89
Benzo(a)pyrene
Concen: 3.64 ng
RT: 19.89 min Scan# 3129
Delta R.T. 0.01 min
Lab File: BF096121.D
Acq: 22 Jun 2017 14:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	16.4	11.0	16.4





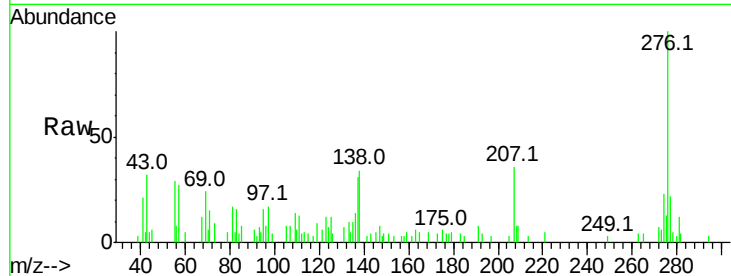
#91
 Benzo(a,h,i)perylene
 Concen: 2.65 ng
 RT: 21.46 min Scan# 3396
 Delta R.T. 0.04 min
 Lab File: BF096121.D
 Acq: 22 Jun 2017 14:40

Instrument :
 BNA_F
 ClientSampleId :
 G11-1.5-3DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.8	18.6	28.0
138	33.5	25.4	38.0

Manual Integrations
 APPROVED

mohammad
 6/26/2017 8:27:28 AM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

