

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
 Data File : BF096303.D
 Acq On : 29 Jun 2017 20:35
 Operator : SJ/MA
 Sample : I3882-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G51-0-1.5

Manual Integrations
 APPROVED

mohammad
 6/30/2017 2:52:05 PM

Quant Time: Jun 30 02:52:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	162188	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	664934	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	252206	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	343681	20.00	ng	0.00
75) Chrysene-d12	13.92	240	308698	20.00	ng	0.00
86) Perylene-d12	15.34	264	244963	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	689233	61.22	ng	0.00
7) Phenol-d6	6.40	99	831769	61.02	ng	0.00
23) Nitrobenzene-d5	7.33	82	475123	49.46	ng	-0.03
41) 2,4,6-Tribromophenol	10.59	330	133363	67.19	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	766426	55.65	ng	-0.02
78) Terphenyl-d14	12.87	244	473686	38.29	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.52	163	119311	6.61	ng	98
70) Phenanthrene	11.31	178	168052	2.50	ng	97
71) Anthracene	11.36	178	58687	3.06	ng	100
74) Fluoranthene	12.49	202	299620	15.69	ng	96
77) Pyrene	12.72	202	285566	11.26	ng	99
80) Benzo(a)anthracene	13.90	228	160539	8.53	ng	98
82) Chrysene	13.94	228	153794m	7.90	ng	
85) Indeno(1,2,3-cd)pyrene	16.74	276	65943	4.08	ng	93
87) Benzo(b)fluoranthene	14.94	252	177356m	11.02	ng	
88) Benzo(k)fluoranthene	14.96	252	66743m	4.54	ng	
89) Benzo(a)pyrene	15.29	252	111343	7.83	ng	# 90
91) Benzo(a,h,i)perylene	17.16	276	57466	4.97	ng	96

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

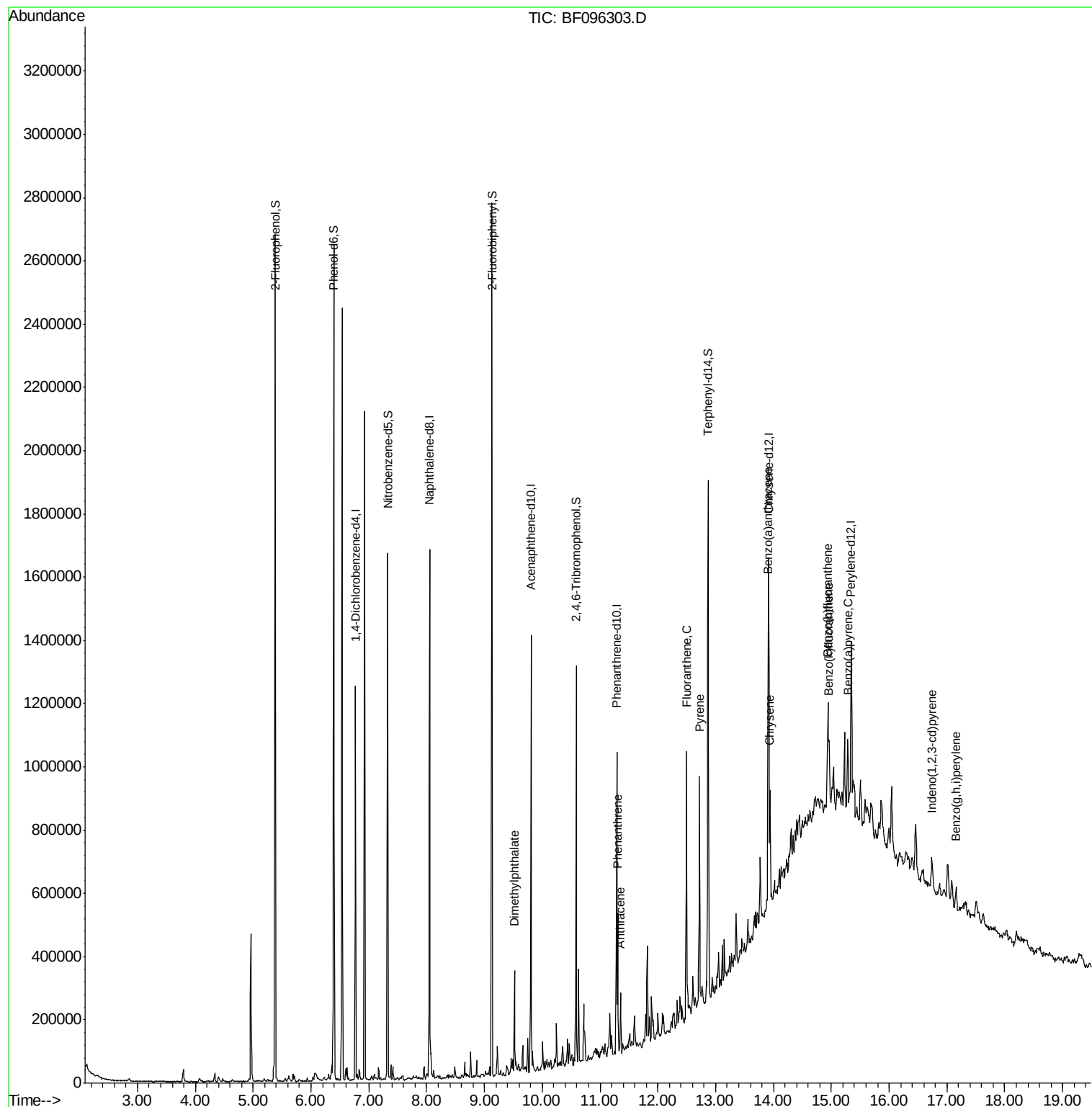
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
Data File : BF096303.D
Acq On : 29 Jun 2017 20:35
Operator : SJ/MA
Sample : I3882-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

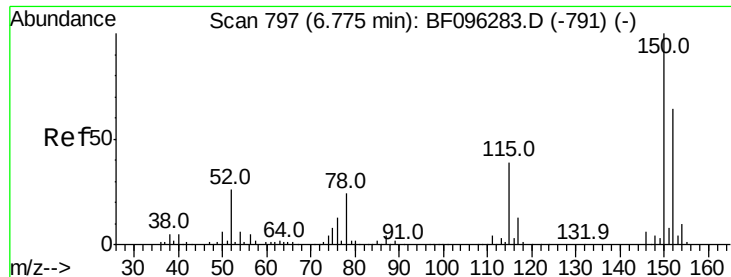
Instrument :
BNA_F
ClientSampleId :
G51-0-1.5

Manual Integrations
APPROVED

mohammad
6/30/2017 2:52:05 PM

Quant Time: Jun 30 02:52:30 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 28 15:41:49 2017
Response via : Initial Calibration





#1

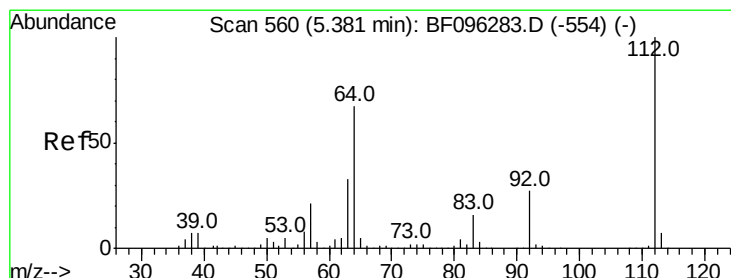
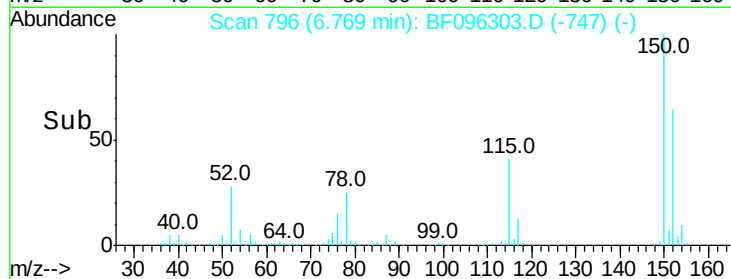
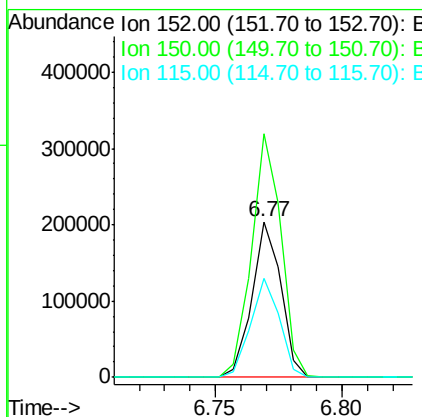
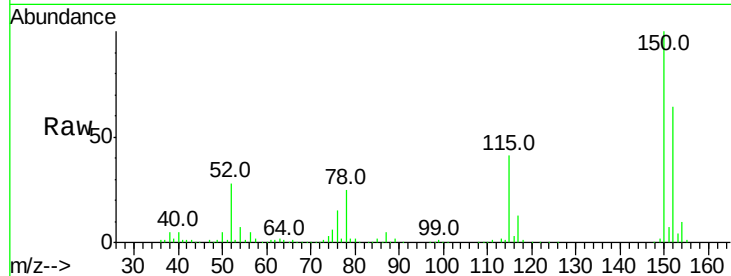
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.77 min Scan# 796
 Delta R.T. -0.01 min
 Lab File: BF096303.D
 Acq: 29 Jun 2017 20:35

Instrument :
 BNA_F
 ClientSampleId :
 G51-0-1.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	126.2	189.2
115	63.9	52.2	78.2

Manual Integrations
 APPROVED

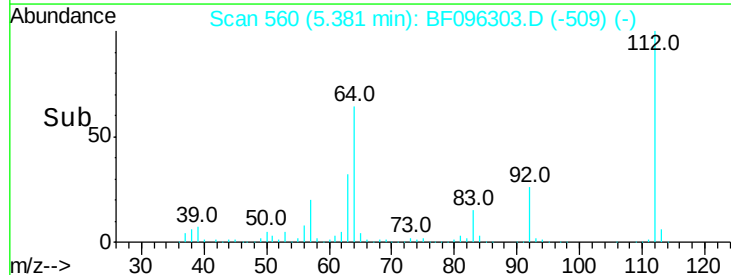
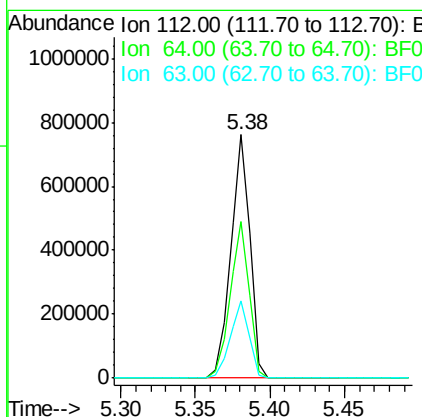
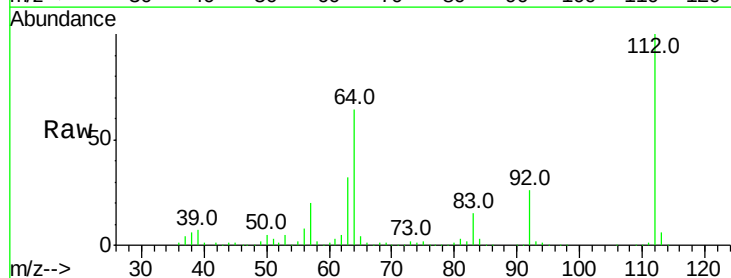
mohammad
 6/30/2017 2:52:05 PM

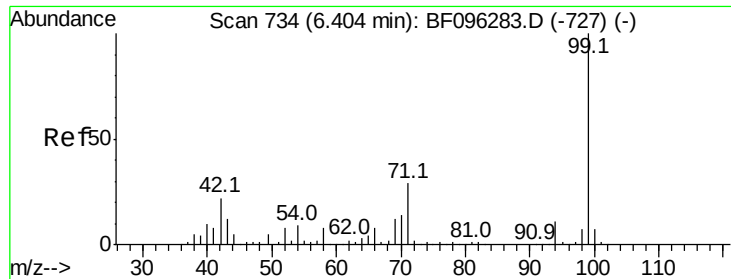


#5

2-Fluorophenol
 Concen: 61.22 ng
 RT: 5.38 min Scan# 560
 Delta R.T. 0.00 min
 Lab File: BF096303.D
 Acq: 29 Jun 2017 20:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.1	46.0	69.0
63	31.8	23.4	35.0





#7

Phenol-d6

Concen: 61.02 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF096303.D

Acq: 29 Jun 2017 20:35

Instrument :

BNA_F

ClientSampleId :

G51-0-1.5

Tot Ion: 99 Resp: 831769

Ion Ratio Lower Upper

99 100

42 21.0 13.5 20.3#

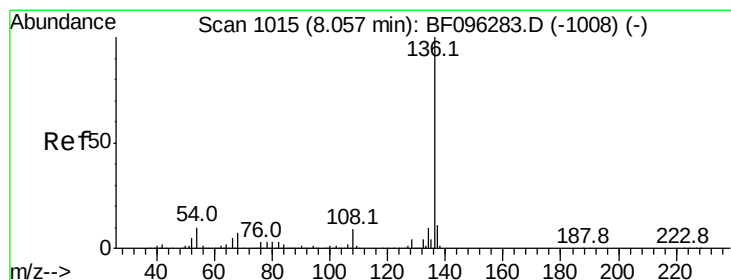
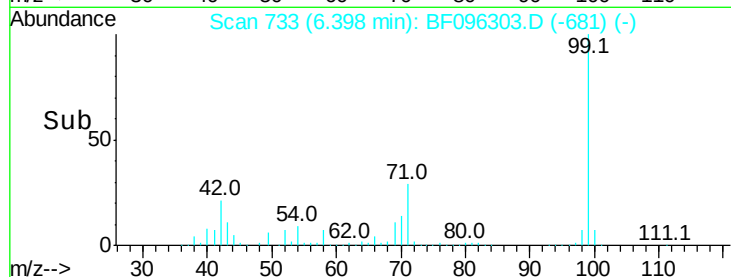
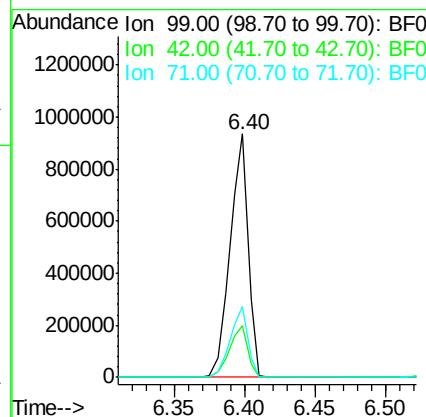
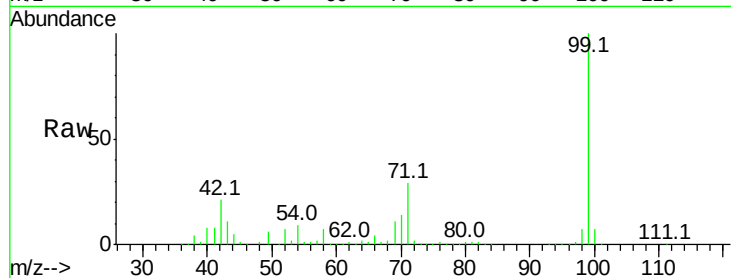
71 29.0 24.5 36.7

Manual Integrations

APPROVED

mohammad

6/30/2017 2:52:05 PM



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF096303.D

Acq: 29 Jun 2017 20:35

Tgt Ion: 136 Resp: 664934

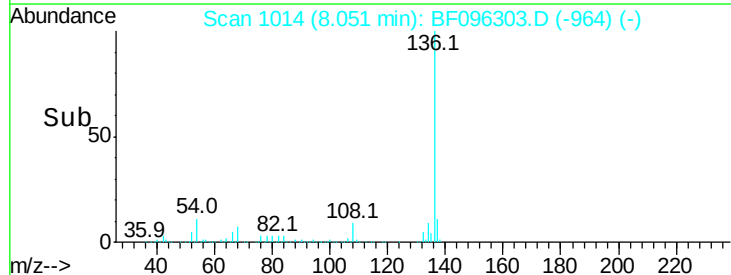
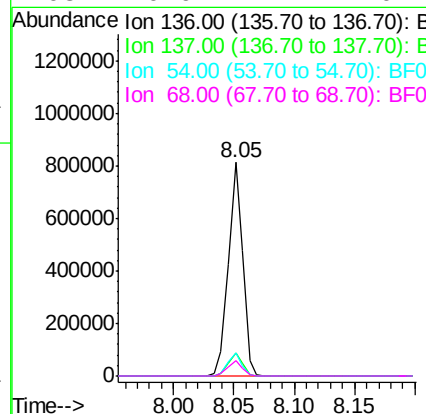
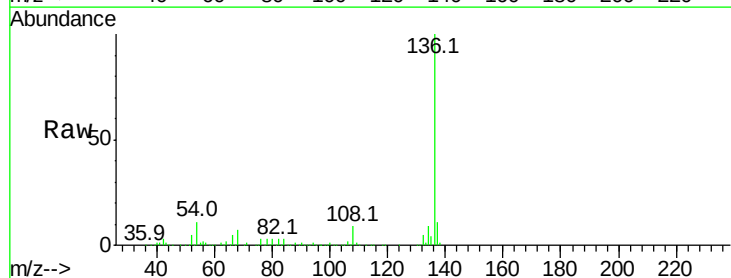
Ion Ratio Lower Upper

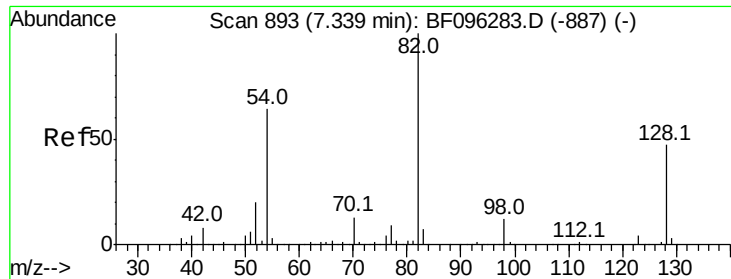
136 100

137 11.1 8.5 12.7

54 10.7 4.9 7.3#

68 6.9 4.1 6.1#





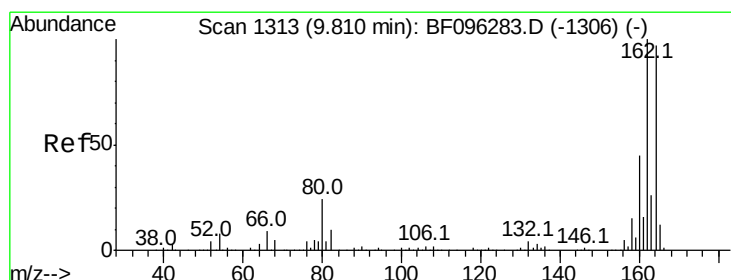
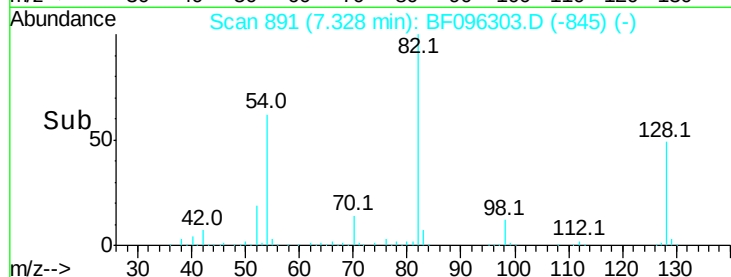
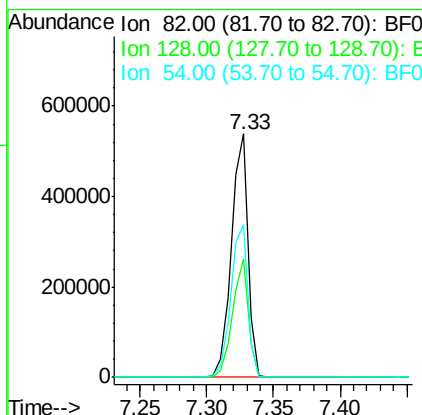
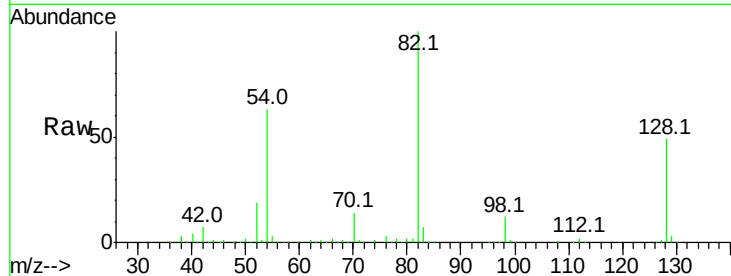
#23
 Nitrobenzene-d5
 Concen: 49.46 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.03 min
 Lab File: BF096303.D
 Acq: 29 Jun 2017 20:35

Instrument :
 BNA_F
 ClientSampleId :
 G51-0-1.5

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.7	34.0	51.0	
54	62.5	42.2	63.2	

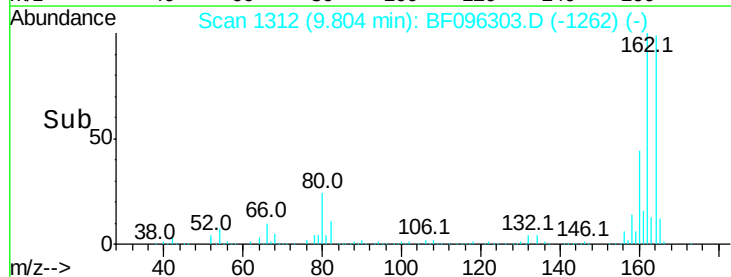
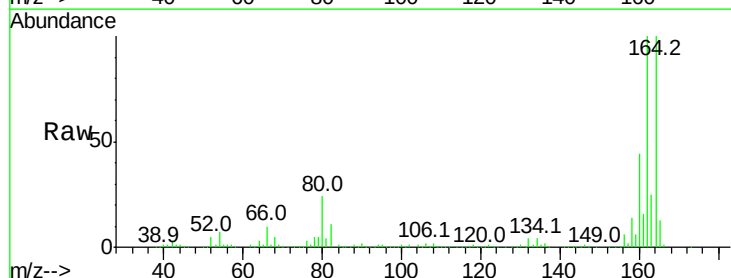
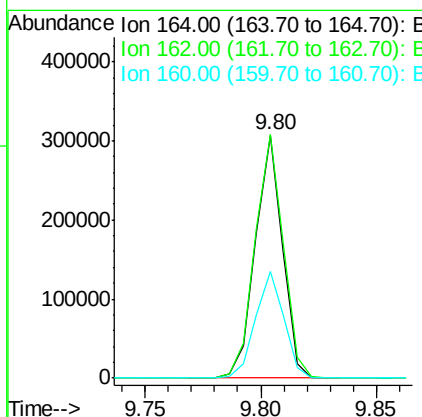
Manual Integrations
 APPROVED

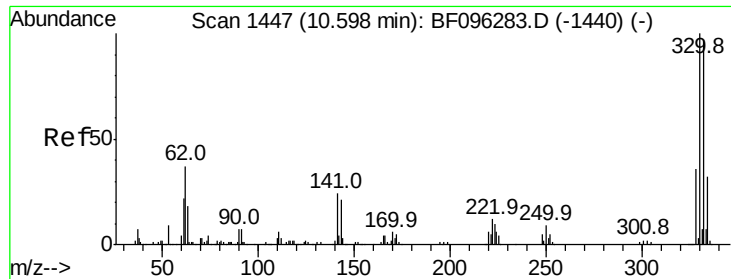
mohammad
 6/30/2017 2:52:05 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.01 min
 Lab File: BF096303.D
 Acq: 29 Jun 2017 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.4	82.6	123.8	
160	44.1	36.2	54.2	





#41

2,4,6-Tribromophenol

Concen: 67.19 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BF096303.D

Acq: 29 Jun 2017 20:35

Instrument :

BNA_F

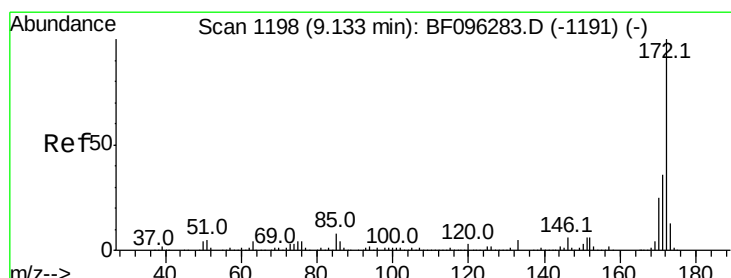
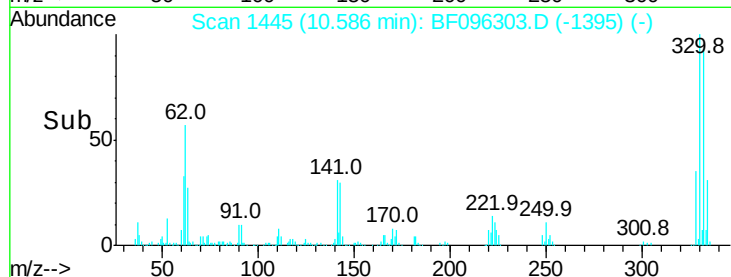
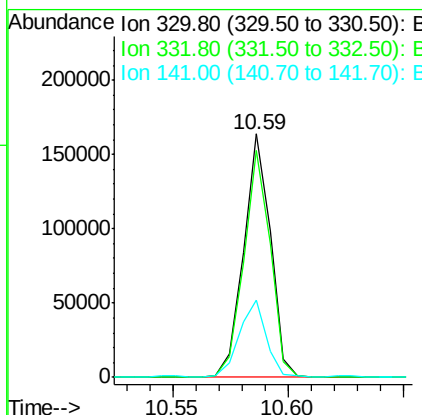
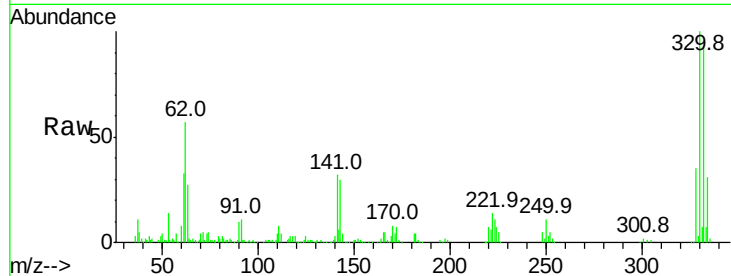
ClientSampleId :

G51-0-1.5

Tot Ion:	330	Resp:	133363
Ion Ratio	Lower	Upper	
330	100		
332	92.1	76.6	115.0
141	31.2	31.4	47.2#

Manual Integrations
APPROVED

mohammad
6/30/2017 2:52:05 PM



#44

2-Fluorobiphenyl

Concen: 55.65 ng

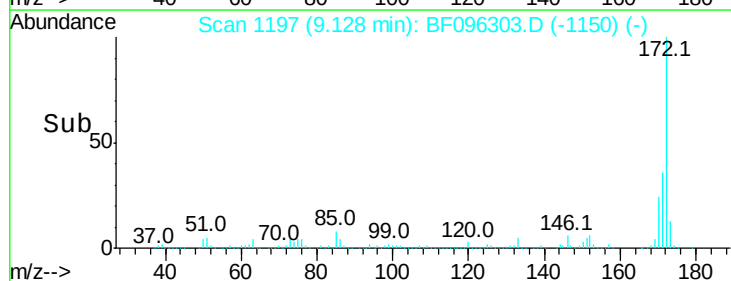
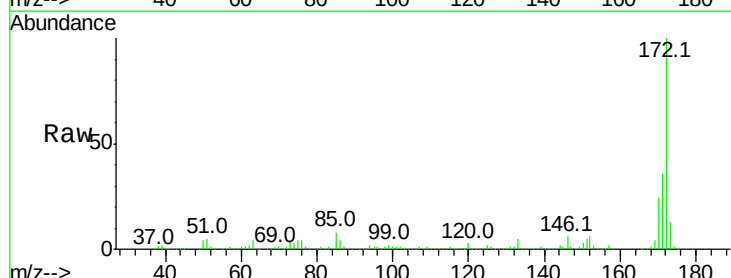
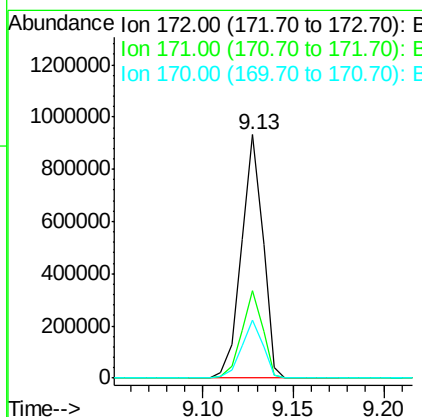
RT: 9.13 min Scan# 1197

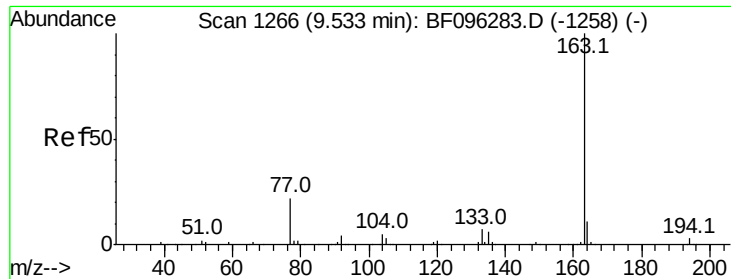
Delta R.T. -0.02 min

Lab File: BF096303.D

Acq: 29 Jun 2017 20:35

Tgt Ion:	172	Resp:	766426
Ion Ratio	Lower	Upper	
172	100		
171	35.7	29.6	44.4
170	23.9	19.8	29.8





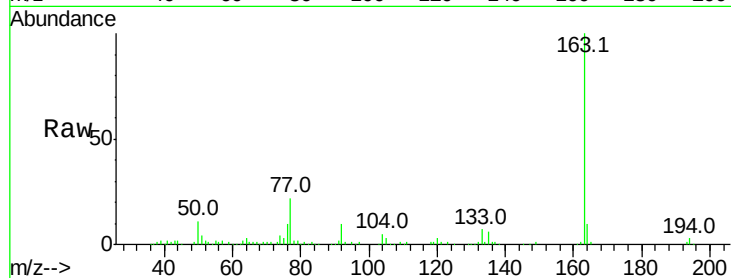
#49
Dimethylphthalate
Concen: 6.61 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF096303.D
Acq: 29 Jun 2017 20:35

Instrument :
BNA_F
ClientSampleId :
G51-0-1.5

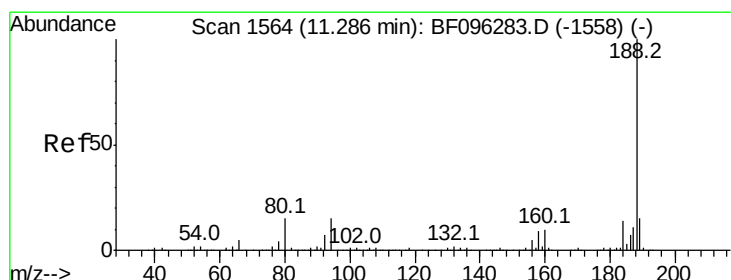
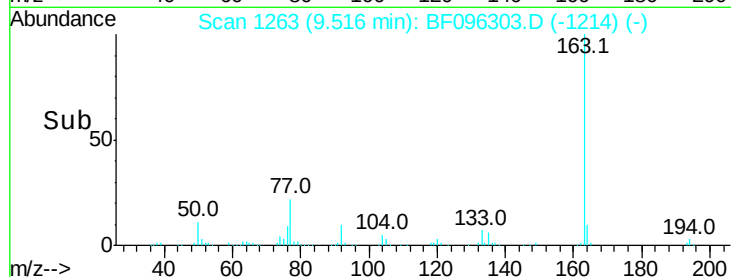
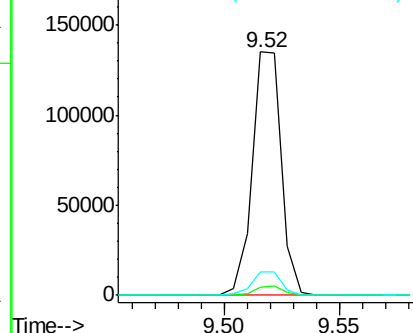
Tot Ion	Ratio	Resp	Lower	Upper
163	100	119311		
194	3.4	2.6	4.0	
164	9.7	8.4	12.6	

Manual Integrations
APPROVED

mohammad
6/30/2017 2:52:05 PM

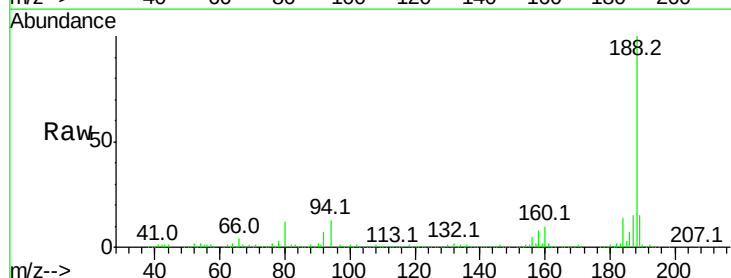


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

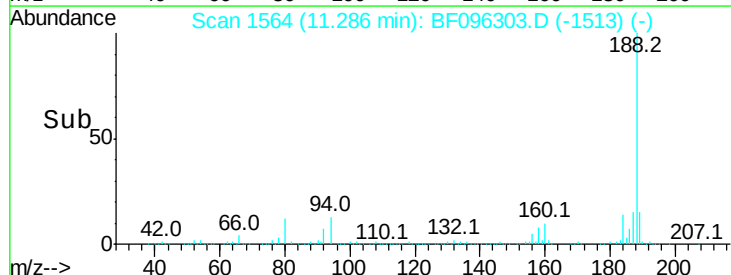
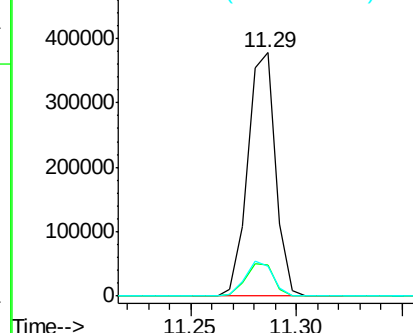


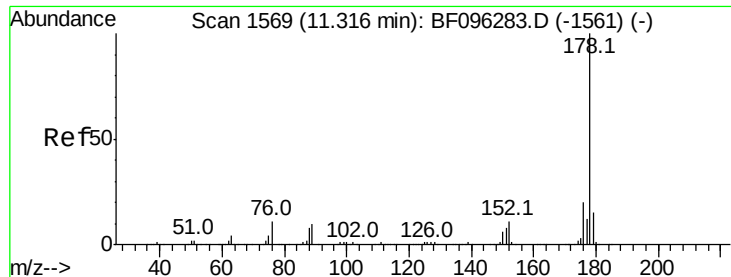
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BF096303.D
Acq: 29 Jun 2017 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	343681		
94	12.8	9.4	14.2	
80	12.5	10.2	15.2	



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





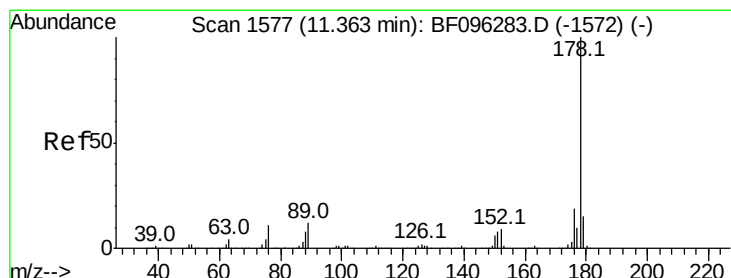
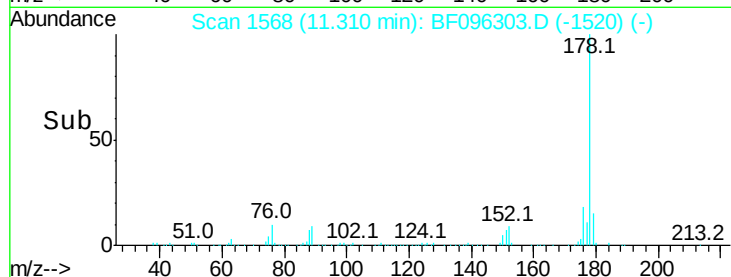
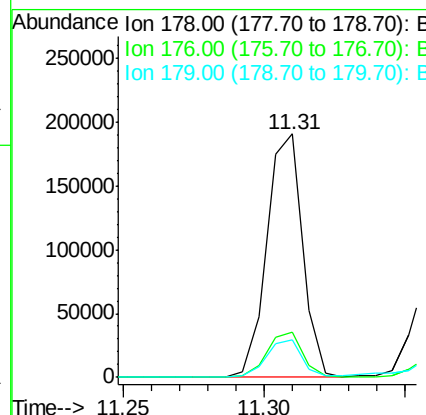
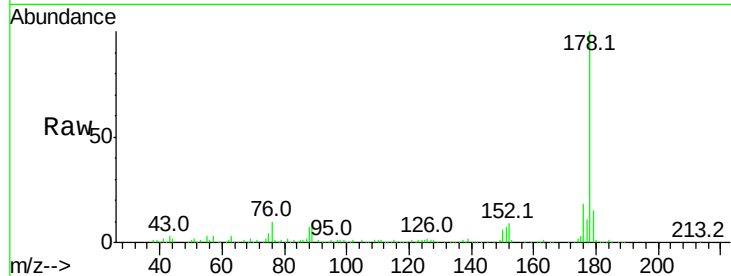
#70
Phenanthrene
Concen: 2.50 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF096303.D
Acq: 29 Jun 2017 20:35

Instrument :
BNA_F
ClientSampleId :
G51-0-1.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	16.2	24.4
179	15.3	12.6	19.0

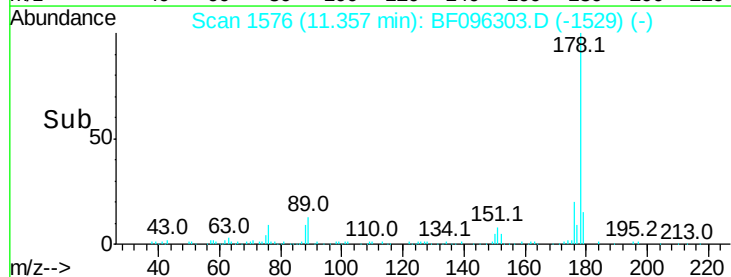
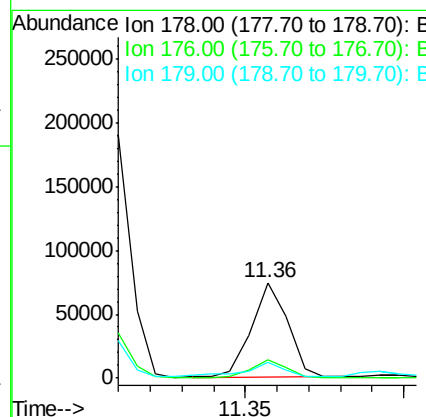
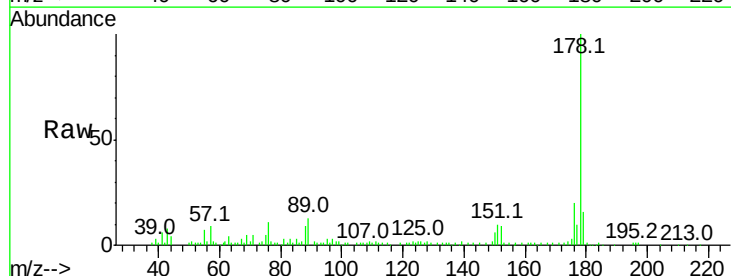
Manual Integrations
APPROVED

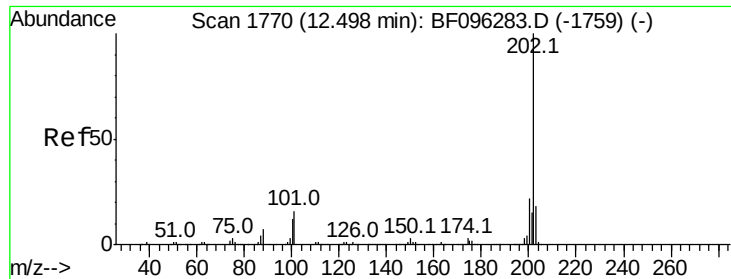
mohammad
6/30/2017 2:52:05 PM



#71
Anthracene
Concen: 3.06 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.02 min
Lab File: BF096303.D
Acq: 29 Jun 2017 20:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	16.0	12.7	19.1





#74

Fluoranthene

Concen: 15.69 ng

RT: 12.49 min Scan# 1769

Delta R.T. 0.00 min

Lab File: BF096303.D

Acq: 29 Jun 2017 20:35

Instrument :

BNA_F

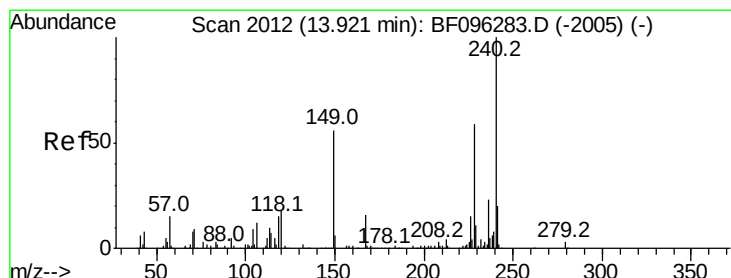
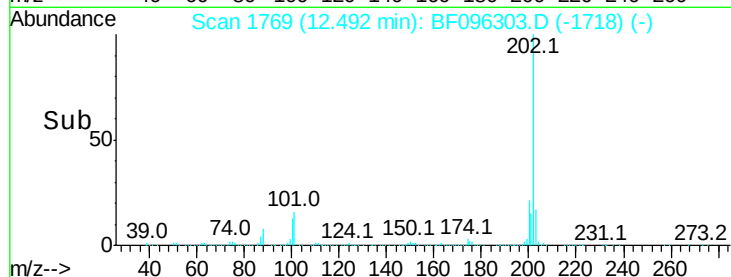
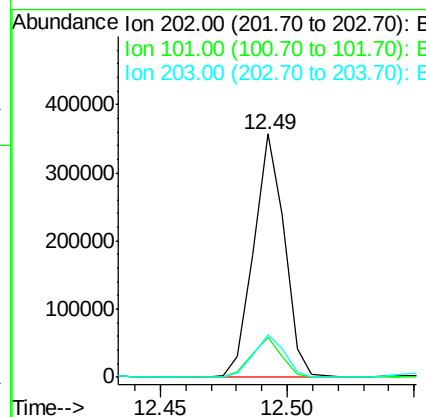
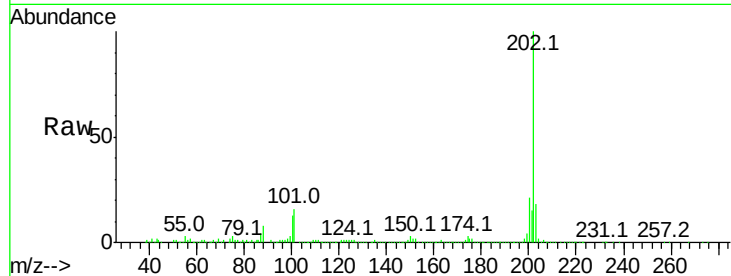
ClientSampleId :

G51-0-1.5

Tot Ion	Ratio	Resp	Lower	Upper
202	100	299620		
101	16.3	0.0	33.2	
203	17.6	0.0	38.1	

Manual Integrations
APPROVED

mohammad
6/30/2017 2:52:05 PM



#75

Chrysene-d12

Concen: 20.00 ng

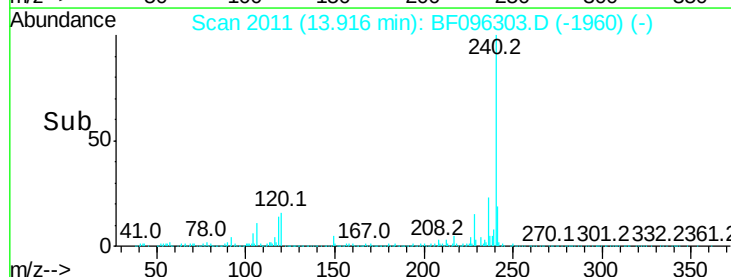
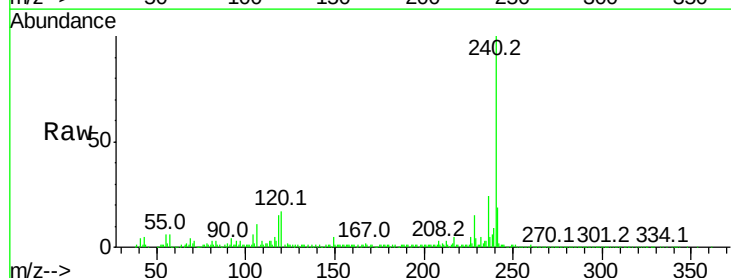
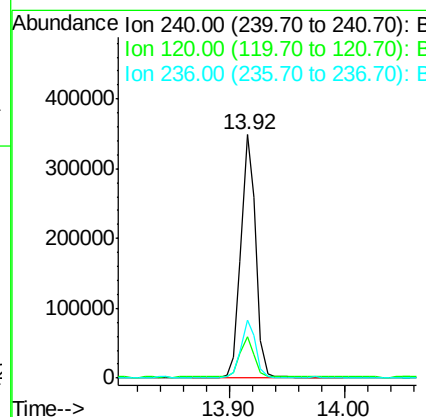
RT: 13.92 min Scan# 2011

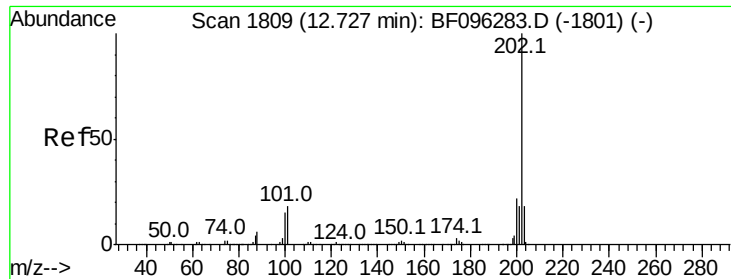
Delta R.T. 0.00 min

Lab File: BF096303.D

Acq: 29 Jun 2017 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	308698		
120	16.9	5.8	8.8#	
236	23.7	20.5	30.7	





#77

Pvrene

Concen: 11.26 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF096303.D

Acq: 29 Jun 2017 20:35

Instrument :

BNA_F

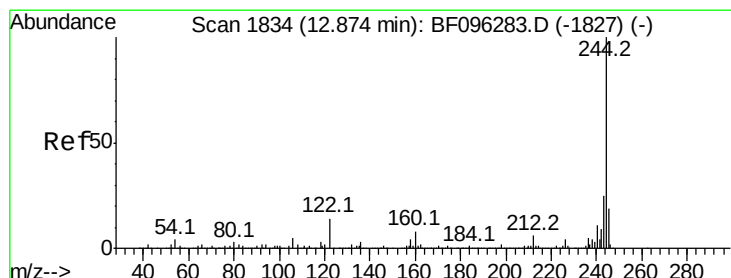
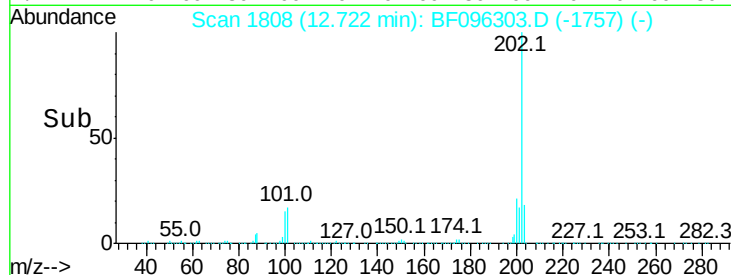
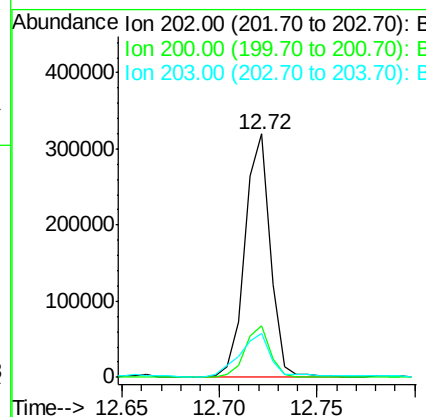
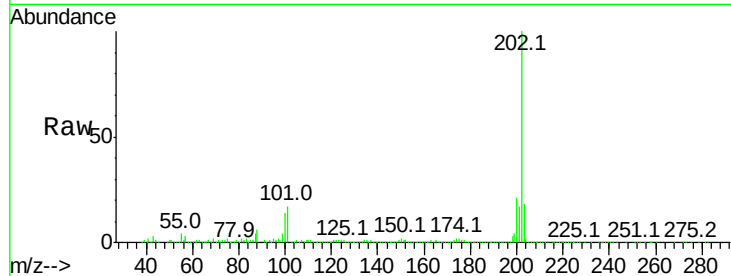
ClientSampleId :

G51-0-1.5

Tot Ion:	202	Resp:	285566
Ion Ratio		Lower	Upper
202	100		
200	21.5	17.6	26.4
203	18.3	14.4	21.6

Manual Integrations
APPROVED

mohammad
6/30/2017 2:52:05 PM



#78

Terphenyl-d14

Concen: 38.29 ng

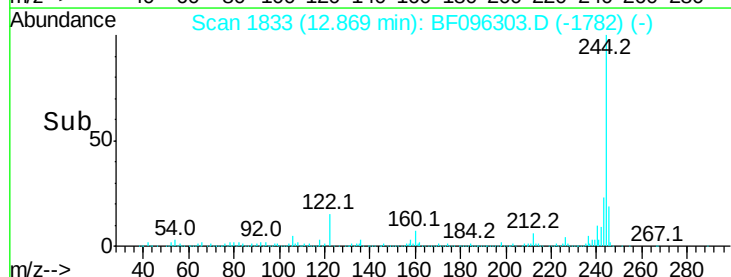
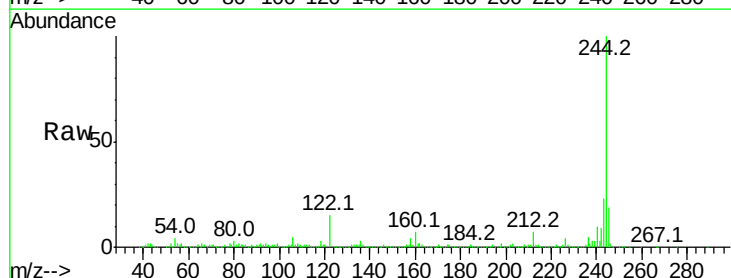
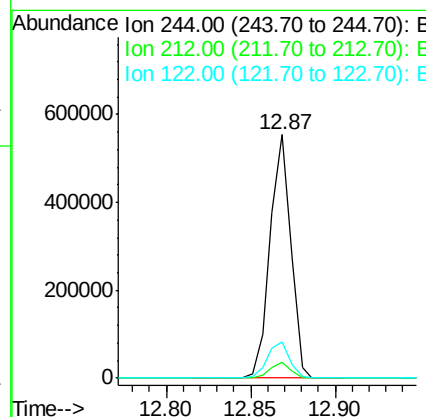
RT: 12.87 min Scan# 1833

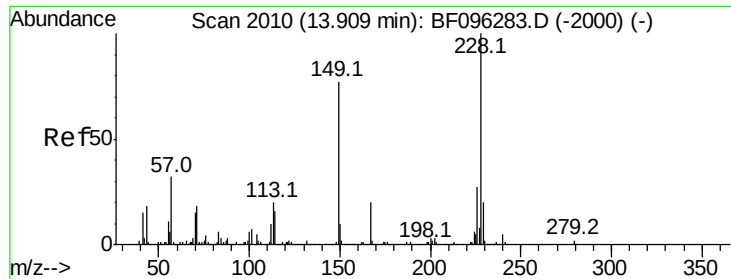
Delta R.T. -0.00 min

Lab File: BF096303.D

Acq: 29 Jun 2017 20:35

Tgt Ion:	244	Resp:	473686
Ion Ratio		Lower	Upper
244	100		
212	6.5	6.0	9.0
122	15.0	10.3	15.5





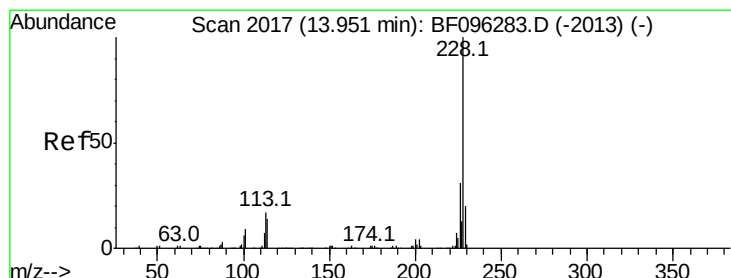
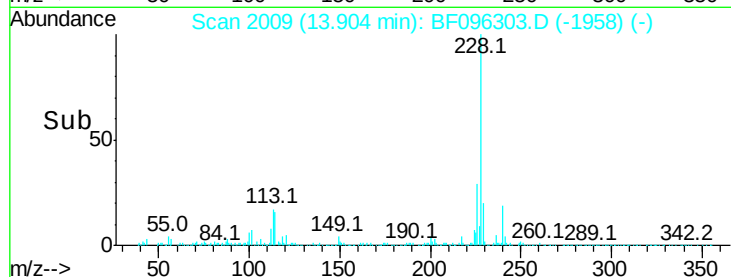
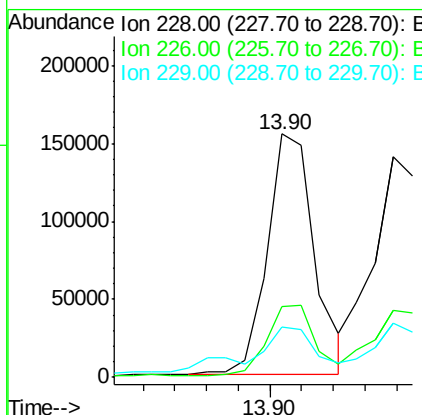
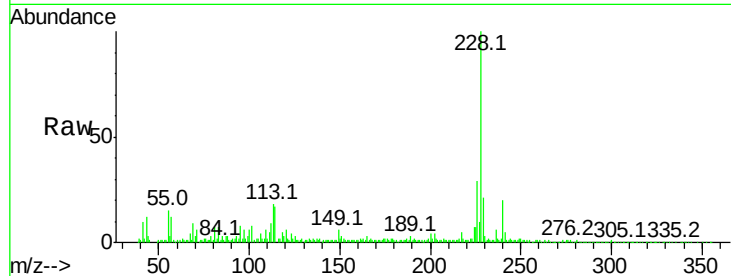
#80
Benzo(a)anthracene
Concen: 8.53 ng
RT: 13.90 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BF096303.D
Acq: 29 Jun 2017 20:35

Instrument :
BNA_F
ClientSampleId :
G51-0-1.5

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	20.9	16.3	24.5

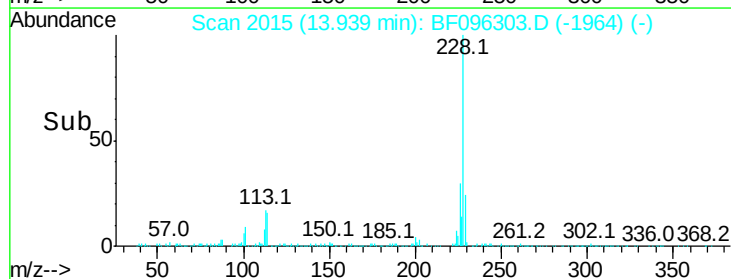
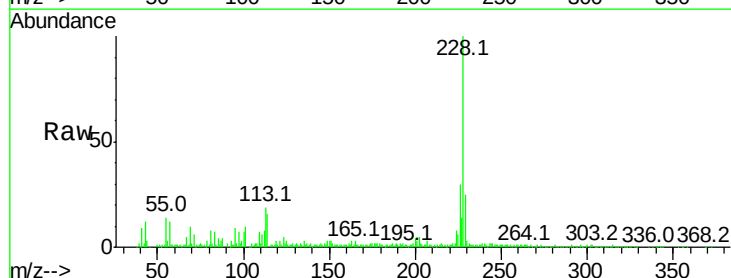
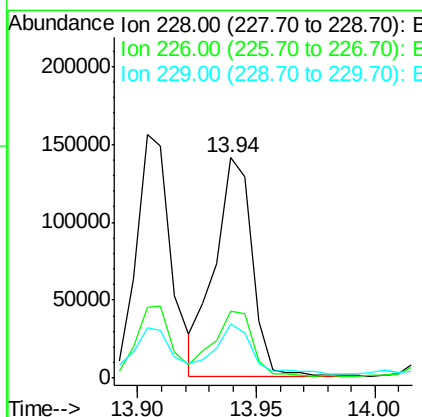
Manual Integrations
APPROVED

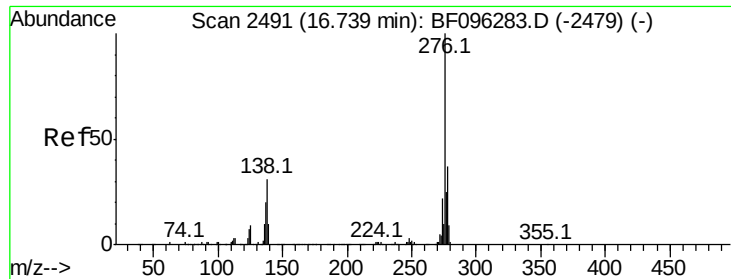
mohammad
6/30/2017 2:52:05 PM



#82
Chrysene
Concen: 7.90 ng m
RT: 13.94 min Scan# 2015
Delta R.T. -0.00 min
Lab File: BF096303.D
Acq: 29 Jun 2017 20:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.9	37.3
229	24.8	15.8	23.6





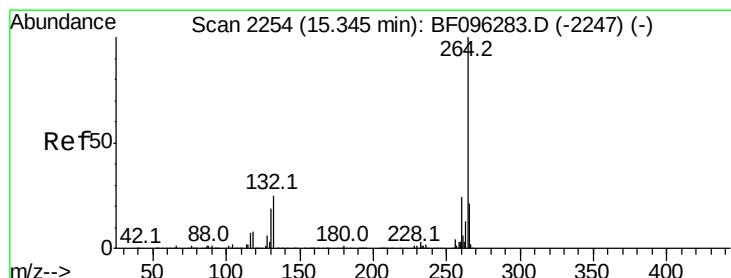
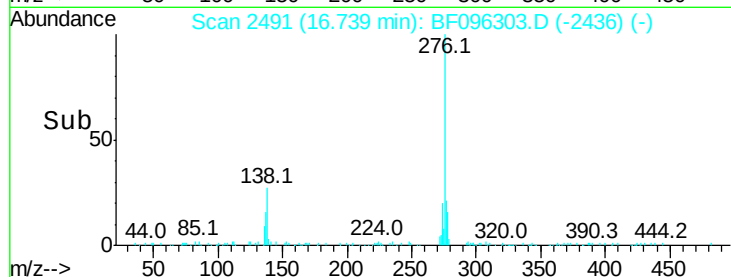
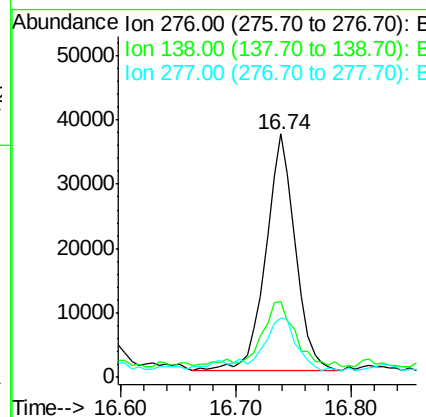
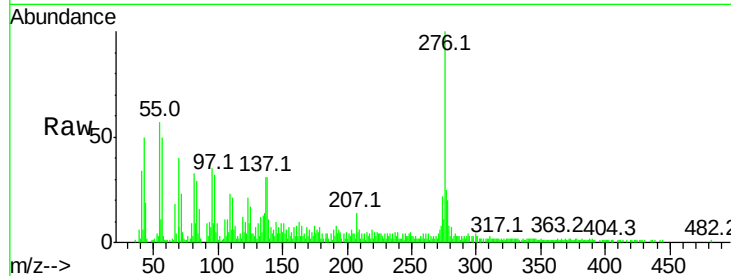
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.08 ng
RT: 16.74 min Scan# 2491
Delta R.T. 0.02 min
Lab File: BF096303.D
Acq: 29 Jun 2017 20:35

Instrument :
BNA_F
ClientSampled :
G51-0-1.5

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.1	27.8	41.6
277	22.6	20.2	30.4

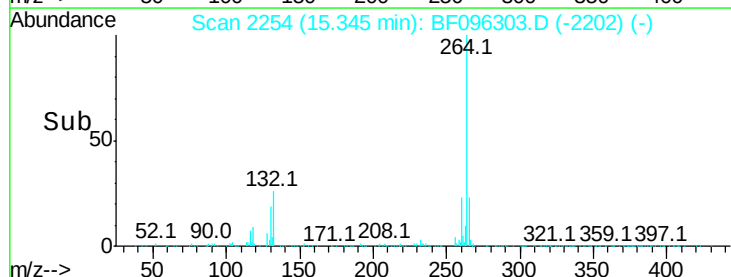
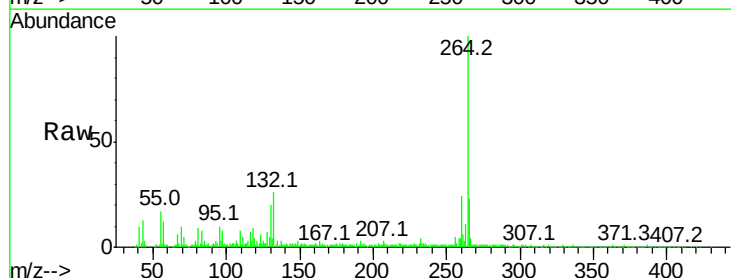
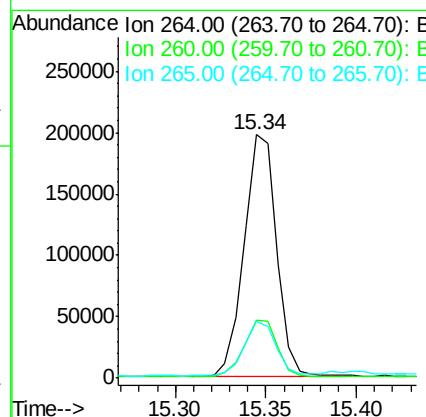
Manual Integrations
APPROVED

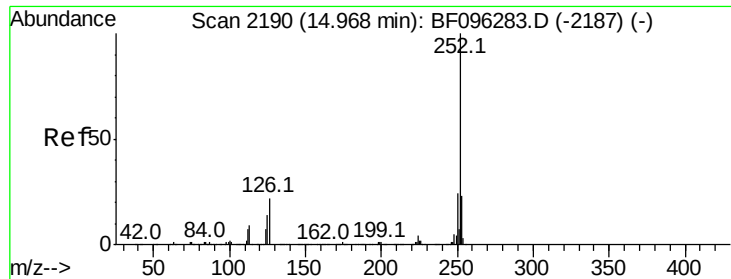
mohammad
6/30/2017 2:52:05 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF096303.D
Acq: 29 Jun 2017 20:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	23.3	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 11.02 ng m

RT: 14.94 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BF096303.D

Acq: 29 Jun 2017 20:35

Instrument :

BNA_F

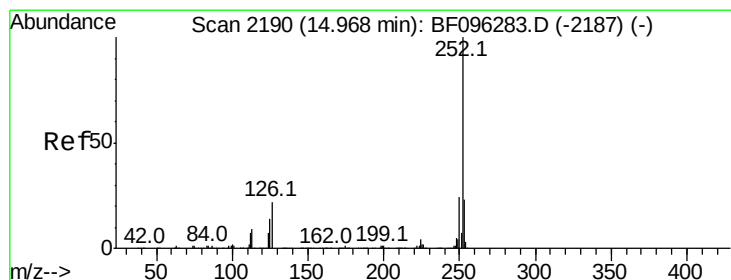
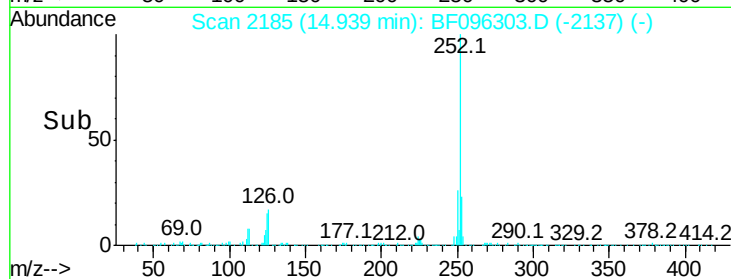
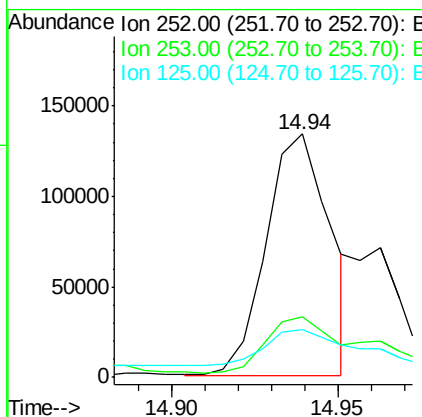
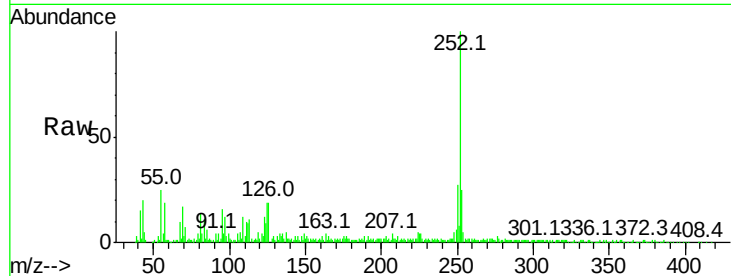
ClientSampleId :

G51-0-1.5

Tot Ion:252	Resp:	177356
Ion Ratio	Lower	Upper
252	100	
253	24.7	18.1 27.1
125	19.4	9.8 14.8#

Manual Integrations
APPROVED

mohammad
6/30/2017 2:52:05 PM



#88

Benzo(k)fluoranthene

Concen: 4.54 ng m

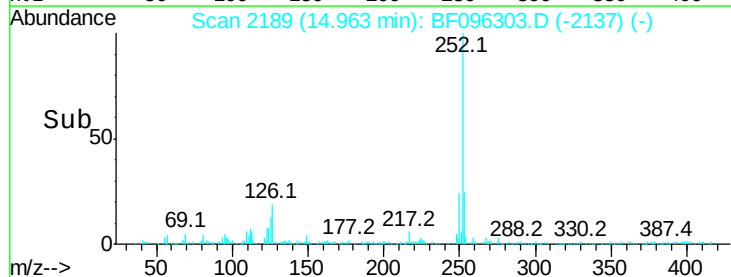
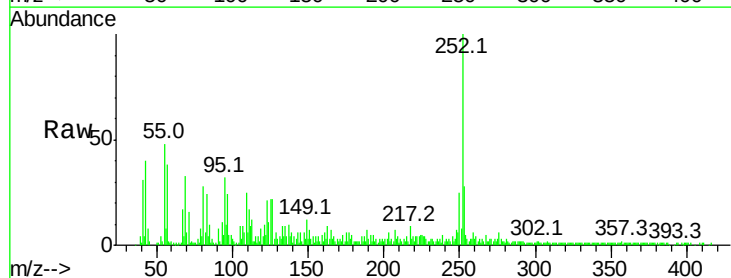
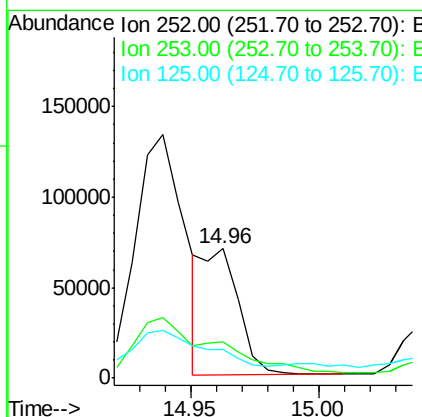
RT: 14.96 min Scan# 2189

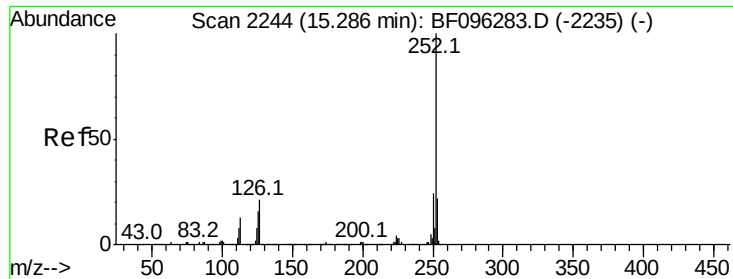
Delta R.T. 0.01 min

Lab File: BF096303.D

Acq: 29 Jun 2017 20:35

Tgt Ion:252	Resp:	66743
Ion Ratio	Lower	Upper
252	100	
253	27.6	18.4 27.6#
125	21.8	13.1 19.7#





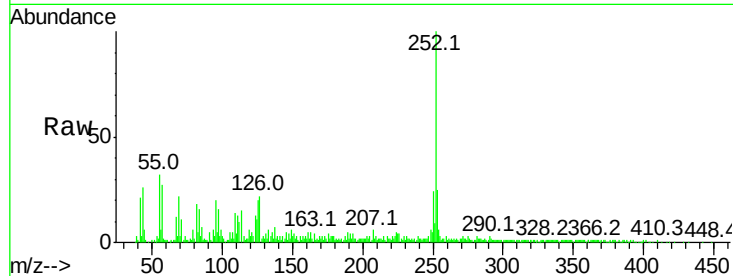
#89
Benzo(a)pyrene
Concen: 7.83 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF096303.D
Acq: 29 Jun 2017 20:35

Instrument :
BNA_F
ClientSampled :
G51-0-1.5

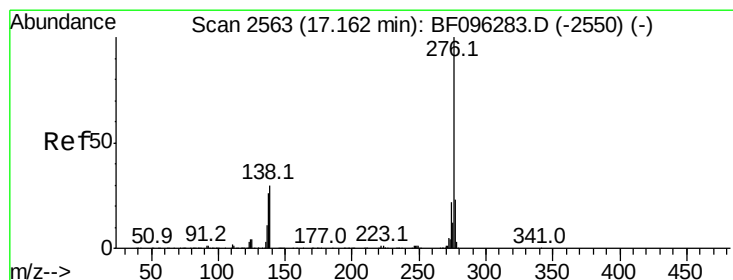
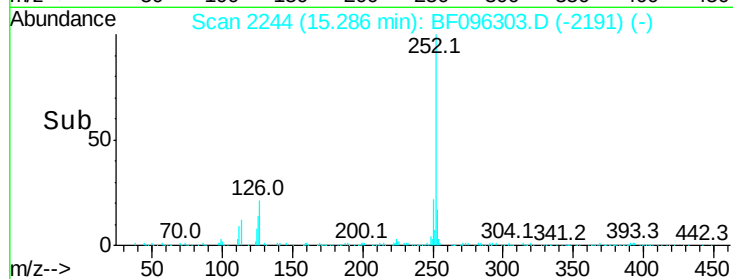
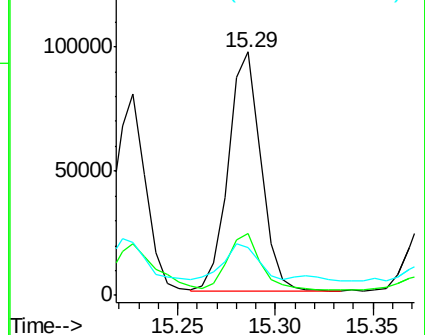
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.5	26.3
125	19.8	11.0	16.4

Manual Integrations
APPROVED

mohammad
6/30/2017 2:52:05 PM

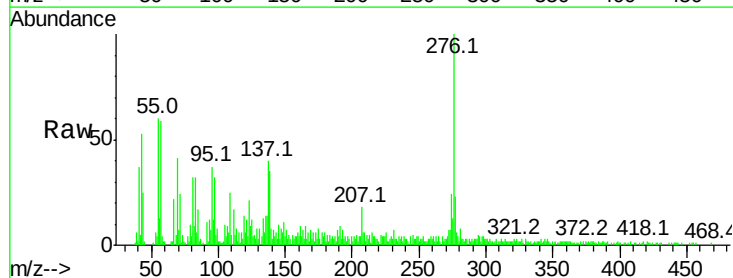


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 4.97 ng
RT: 17.16 min Scan# 2562
Delta R.T. 0.02 min
Lab File: BF096303.D
Acq: 29 Jun 2017 20:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.6	28.0
138	35.2	25.4	38.0



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

