

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070117\
 Data File : BF096402.D
 Acq On : 2 Jul 2017 2:08
 Operator : SJ/MA
 Sample : I3908-10 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-58-1.5-3

Manual Integrations
 APPROVED

mohammad
 7/3/2017 4:03:49 PM

Quant Time: Jul 03 04:13:45 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 01:43:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	160284	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	593721	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	200879	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	342581	20.00	ng	0.00
75) Chrysene-d12	13.87	240	296128	20.00	ng	0.00
86) Perylene-d12	15.29	264	188142	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	98829	9.10	ng	-0.01
7) Phenol-d6	6.36	99	113169	8.48	ng	-0.02
23) Nitrobenzene-d5	7.29	82	59796	6.05	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	13349	8.51	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	97556	8.30	ng	-0.01
78) Terphenyl-d14	12.83	244	66983	4.83	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	11.27	178	85042	4.592	ng	99
74) Fluoranthene	12.45	202	127877	7.043	ng	97
77) Pyrene	12.68	202	119076	5.010	ng	98
80) Benzo(a)anthracene	13.86	228	54490	3.178	ng	92
82) Chrysene	13.90	228	63621m	3.543	ng	
87) Benzo(b)fluoranthene	14.89	252	47569m	4.035	ng	
89) Benzo(a)pyrene	15.22	252	32837	3.120	ng	# 93

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

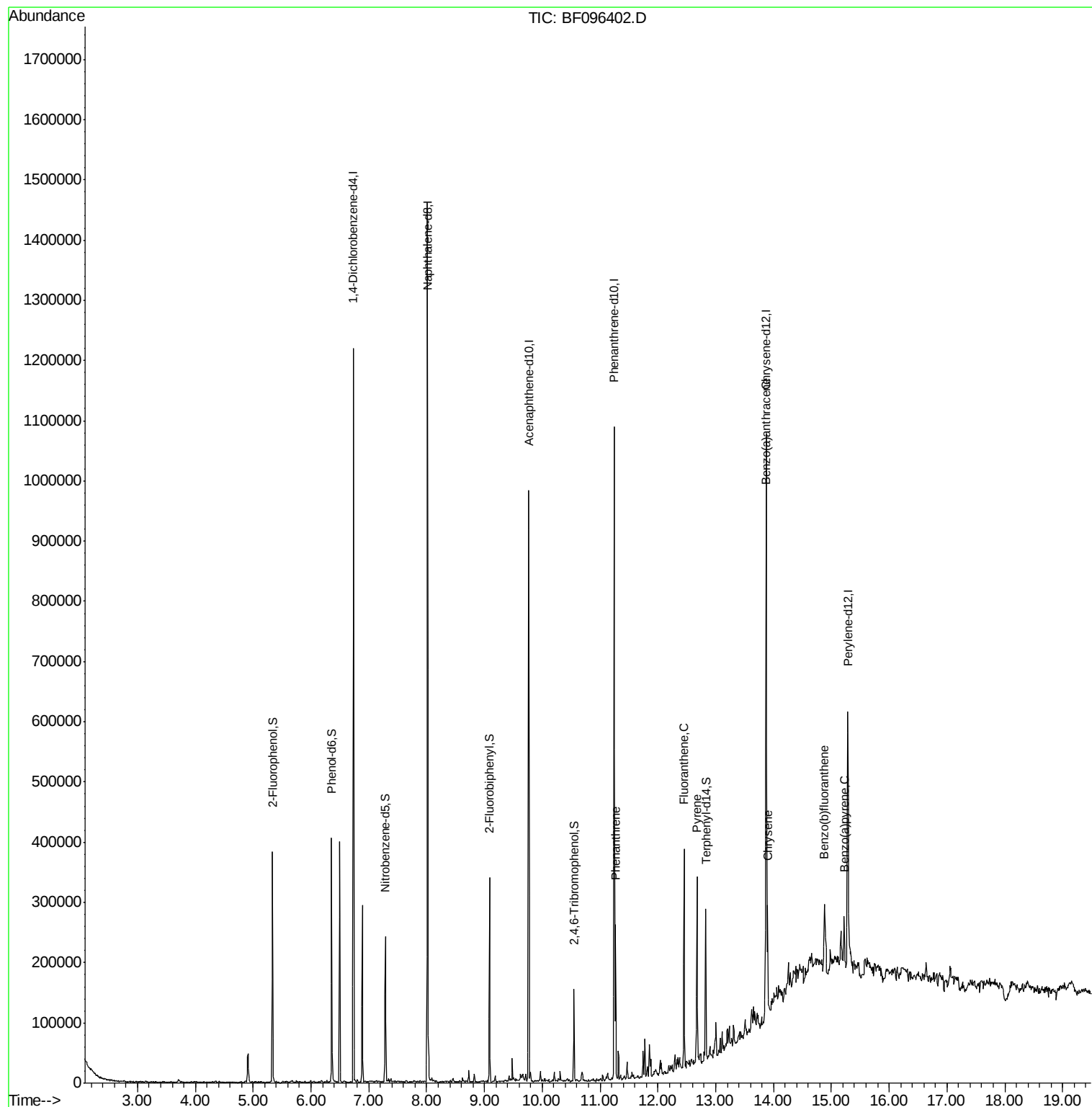
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070117\
Data File : BF096402.D
Acq On : 2 Jul 2017 2:08
Operator : SJ/MA
Sample : I3908-10 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

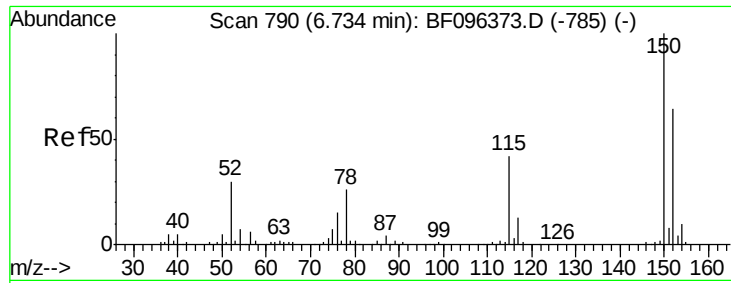
Instrument :
BNA_F
ClientSampleId :
G-58-1.5-3

Manual Integrations
APPROVED

mohammad
7/3/2017 4:03:49 PM

Quant Time: Jul 03 04:13:45 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 03 01:43:12 2017
Response via : Initial Calibration





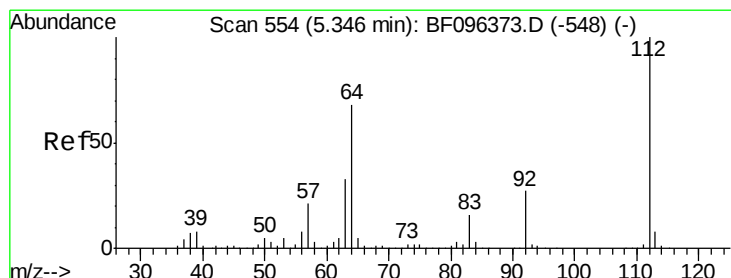
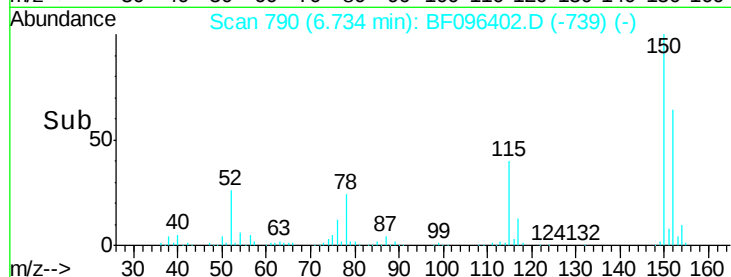
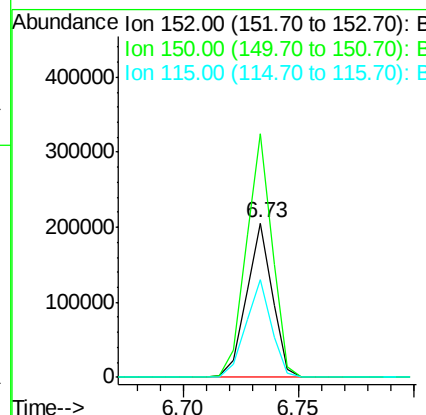
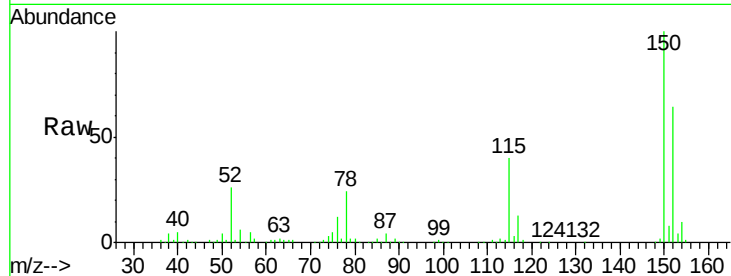
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 790
 Delta R.T. 0.00 min
 Lab File: BF096402.D
 Acq: 2 Jul 2017 2:08

Instrument :
 BNA_F
 ClientSampleId :
 G-58-1.5-3

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	160284		
150	157.5	126.2	189.2	
115	62.8	52.2	78.2	

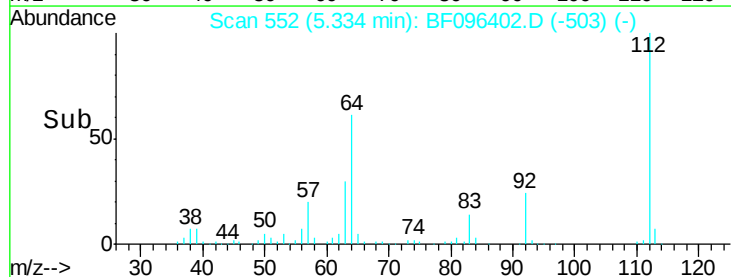
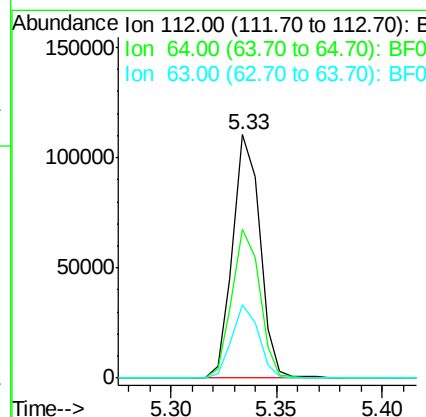
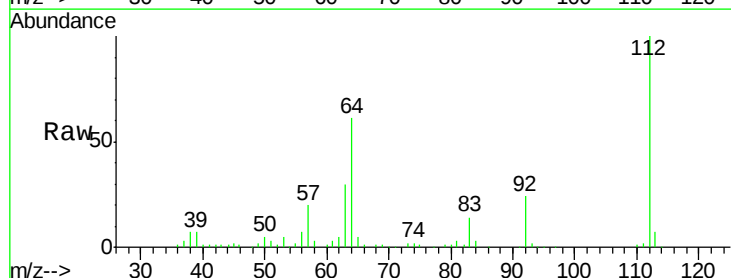
Manual Integrations
 APPROVED

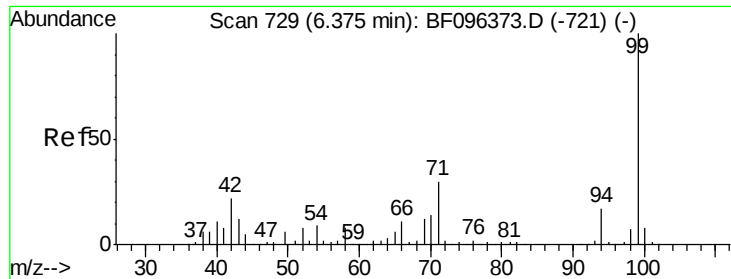
mohammad
 7/3/2017 4:03:49 PM



#5
 2-Fluorophenol
 Concen: 9.101 ng
 RT: 5.33 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: BF096402.D
 Acq: 2 Jul 2017 2:08

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	98829		
64	61.4	46.0	69.0	
63	30.3	23.4	35.0	





#7

Phenol-d6

Concen: 8.477 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF096402.D

Acq: 2 Jul 2017 2:08

Instrument :

BNA_F

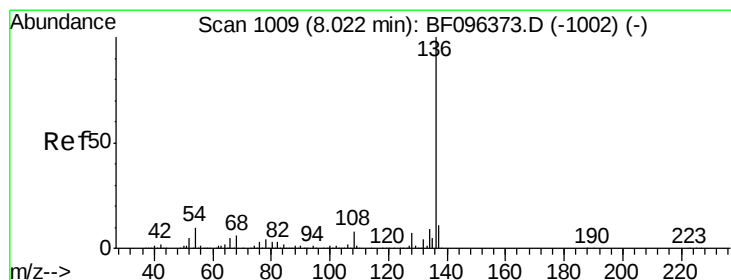
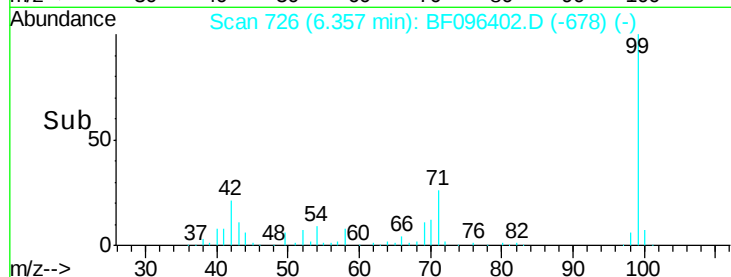
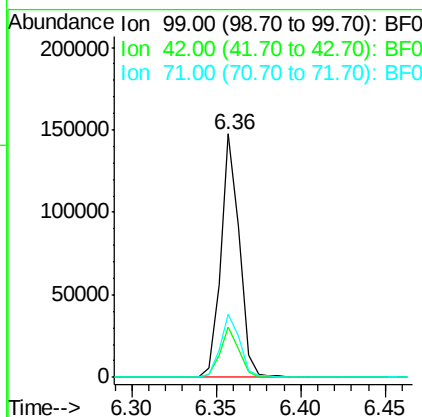
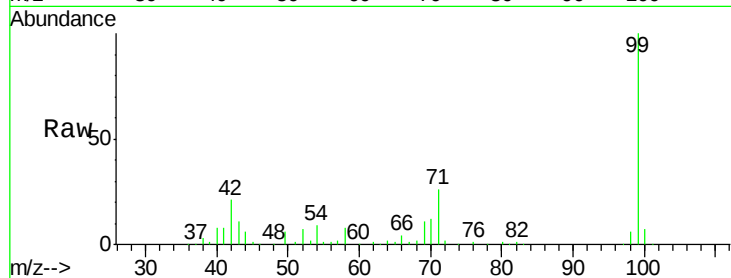
ClientSampleId :

G-58-1.5-3

Tgt Ion:	99	Resp:	113169
Ion Ratio	Lower	Upper	
99	100		
42	20.8	13.5	20.3#
71	26.0	24.5	36.7

Manual Integrations
APPROVED

mohammad
7/3/2017 4:03:49 PM



#21

Naphthalene-d8

Concen: 20.000 ng

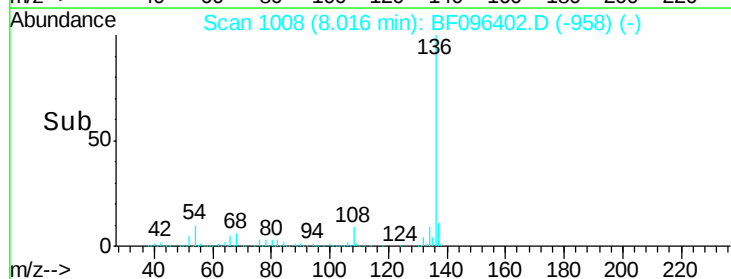
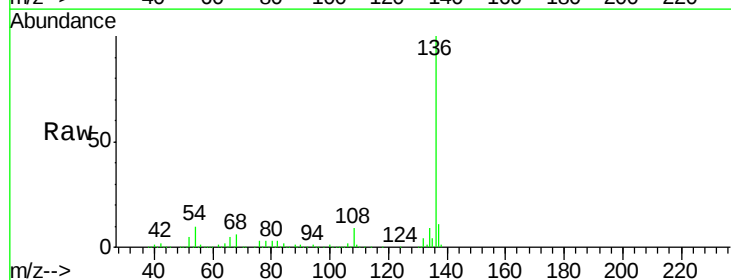
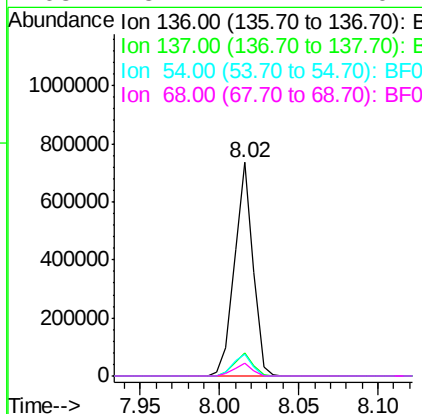
RT: 8.02 min Scan# 1008

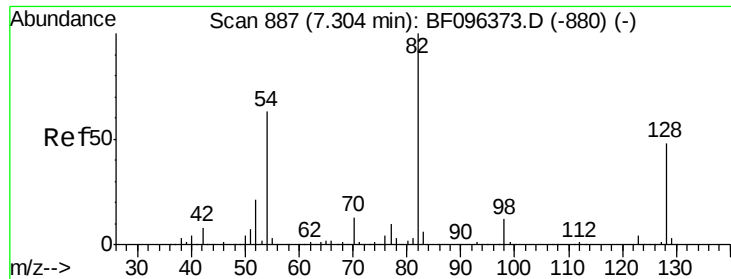
Delta R.T. -0.01 min

Lab File: BF096402.D

Acq: 2 Jul 2017 2:08

Tgt Ion:	136	Resp:	593721
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	10.1	4.9	7.3#
68	5.7	4.1	6.1





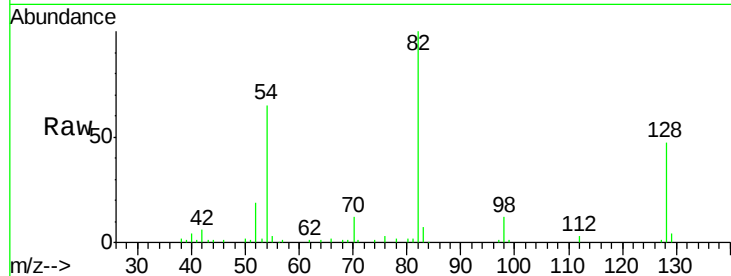
#23
 Nitrobenzene-d5
 Concen: 6.052 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.02 min
 Lab File: BF096402.D
 Acq: 2 Jul 2017 2:08

Instrument :
 BNA_F
 ClientSampled :
 G-58-1.5-3

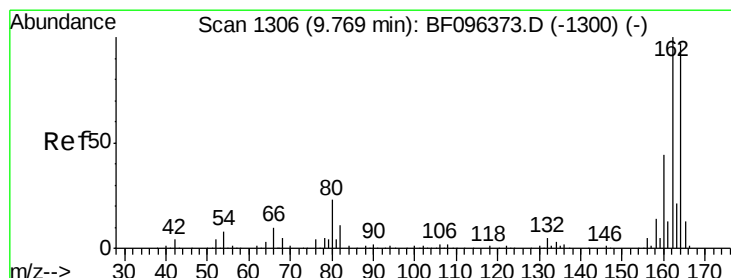
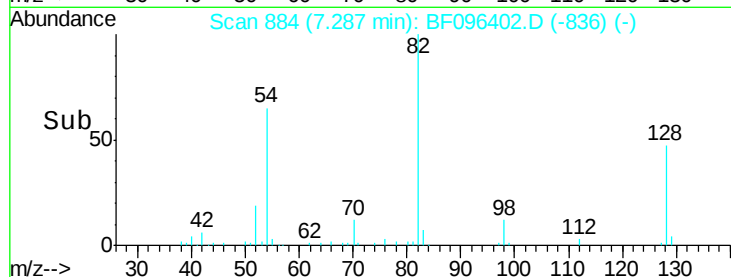
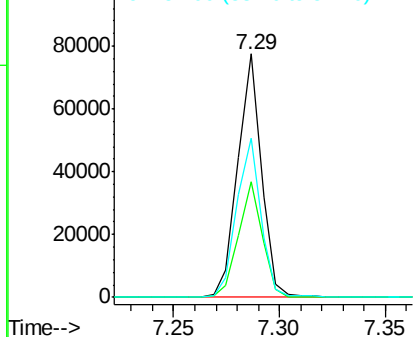
Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.5	34.0	51.0
54	65.2	42.2	63.2

Manual Integrations
 APPROVED

mohammad
 7/3/2017 4:03:49 PM



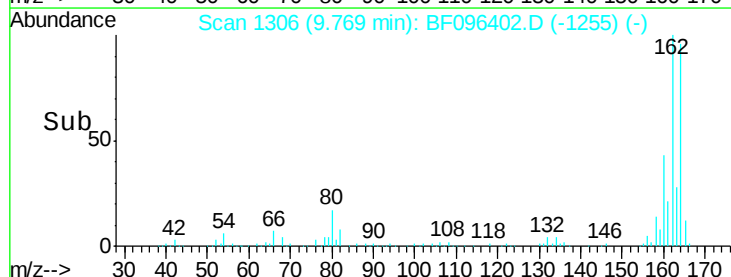
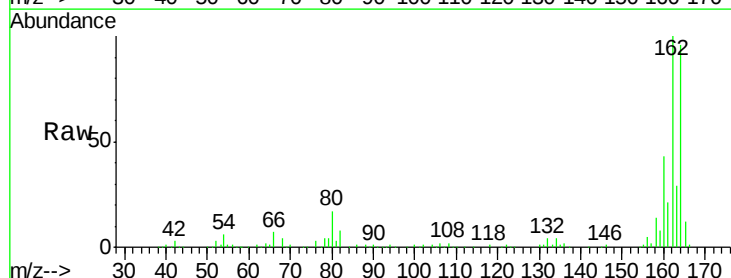
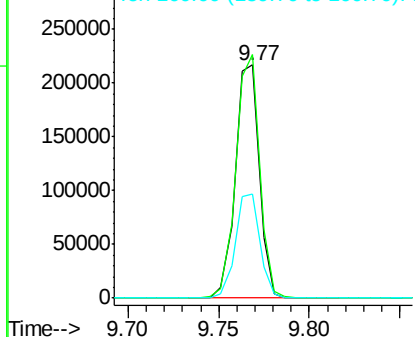
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

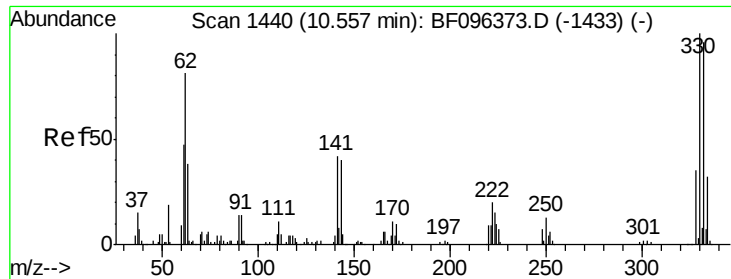


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: BF096402.D
 Acq: 2 Jul 2017 2:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	82.6	123.8
160	44.9	36.2	54.2

Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





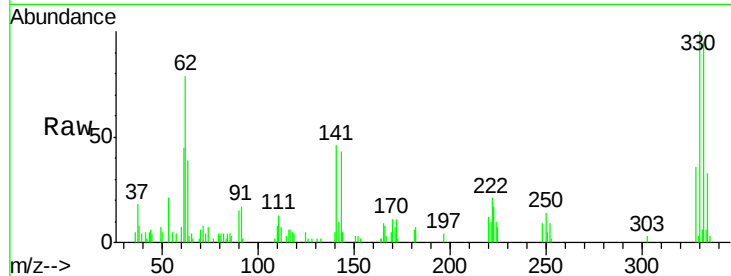
#41
 2,4,6-Tribromophenol
 Concen: 8.507 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF096402.D
 Acq: 2 Jul 2017 2:08

Instrument :
 BNA_F
 ClientSampleId :
 G-58-1.5-3

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	13349		
332	91.2	76.6	115.0	
141	40.4	31.4	47.2	

Manual Integrations
 APPROVED

mohammad
 7/3/2017 4:03:49 PM

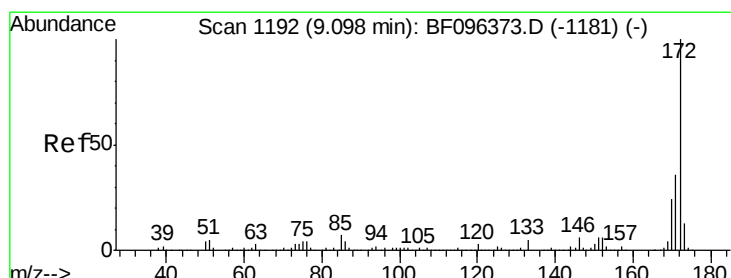
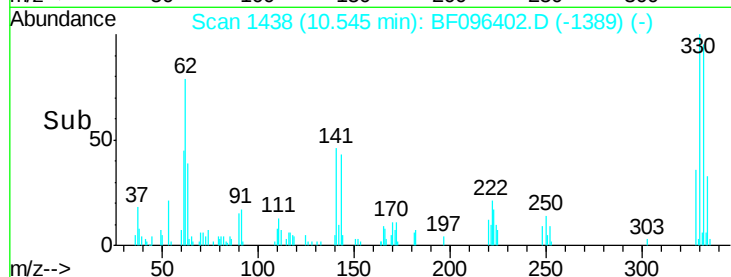
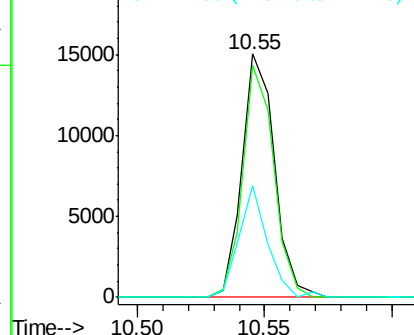


Abundance

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: 8.303 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF096402.D
 Acq: 2 Jul 2017 2:08

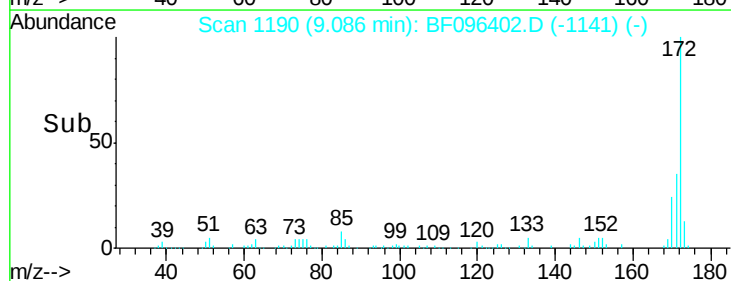
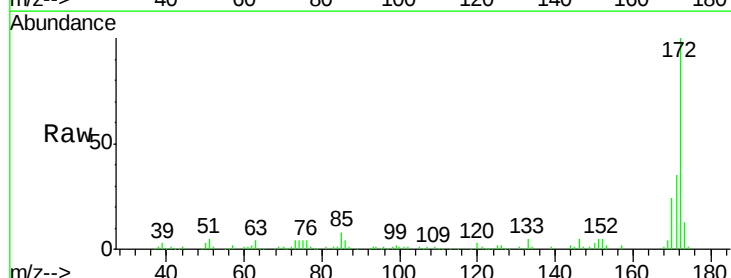
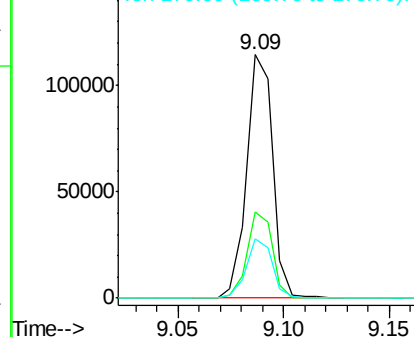
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	97556		
171	35.2	29.6	44.4	
170	24.4	19.8	29.8	

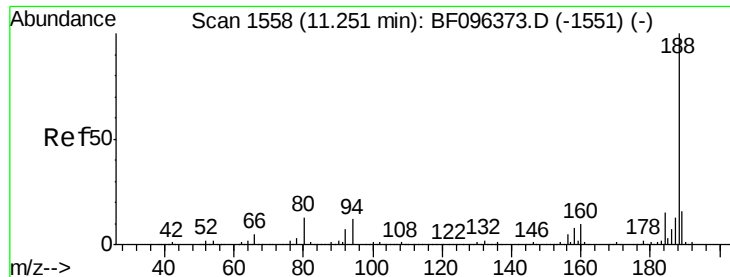
Abundance

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





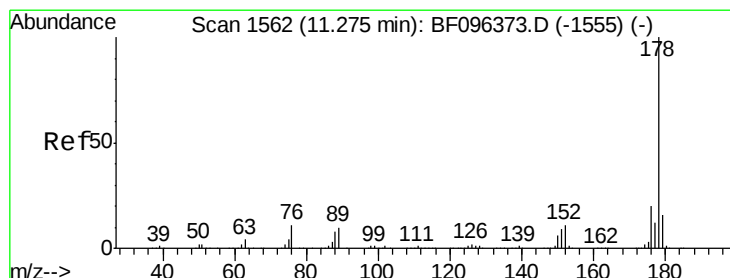
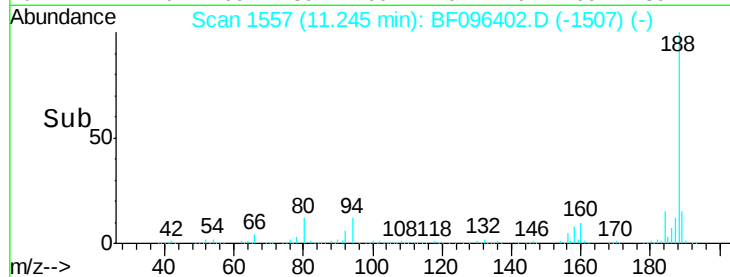
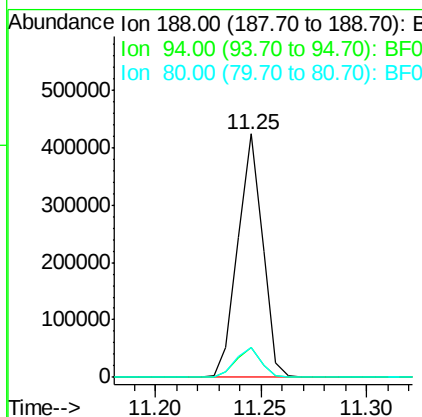
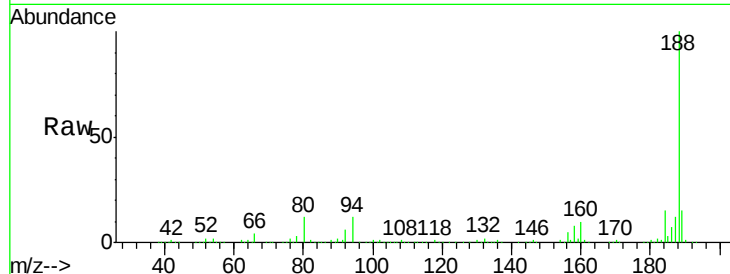
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF096402.D
Acq: 2 Jul 2017 2:08

Instrument :
BNA_F
ClientSampleId :
G-58-1.5-3

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.3	9.4	14.2
80	12.2	10.2	15.2

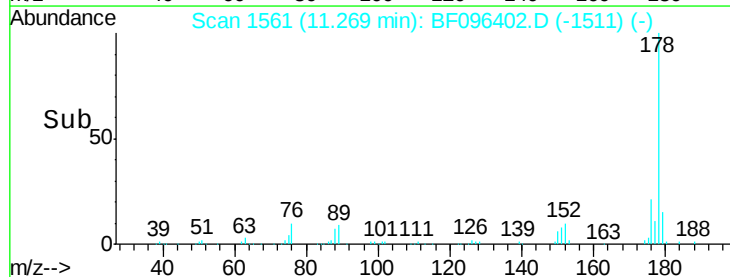
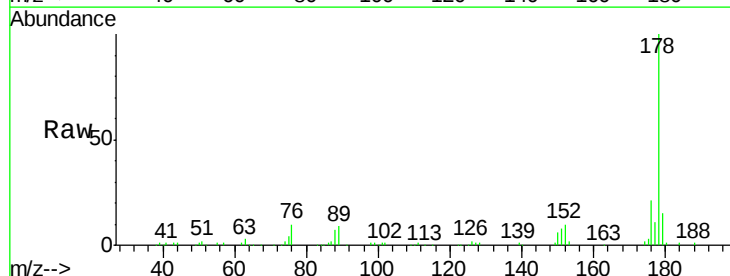
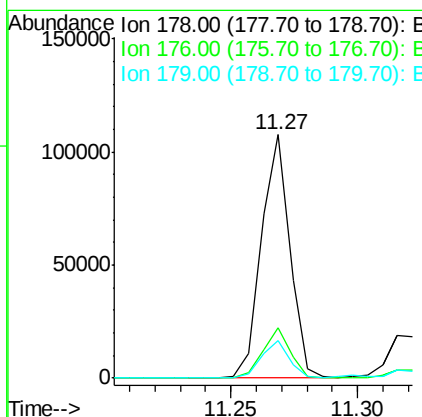
Manual Integrations
APPROVED

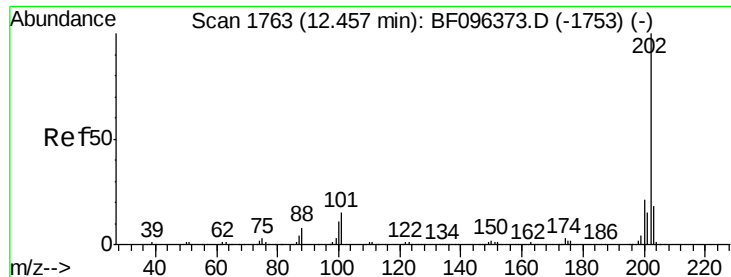
mohammad
7/3/2017 4:03:49 PM



#70
Phenanthrene
Concen: 4.592 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF096402.D
Acq: 2 Jul 2017 2:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.7	16.2	24.4
179	15.4	12.6	19.0





#74

Fluoranthene

Concen: 7.043 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.01 min

Lab File: BF096402.D

Acq: 2 Jul 2017 2:08

Instrument :

BNA_F

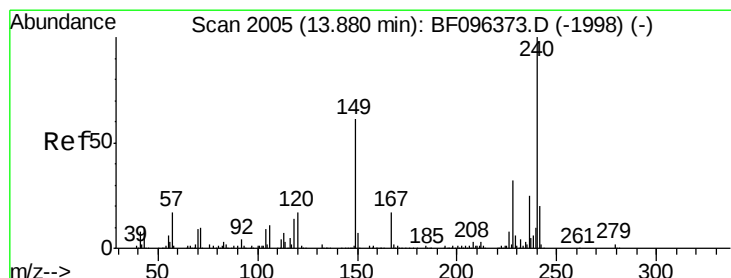
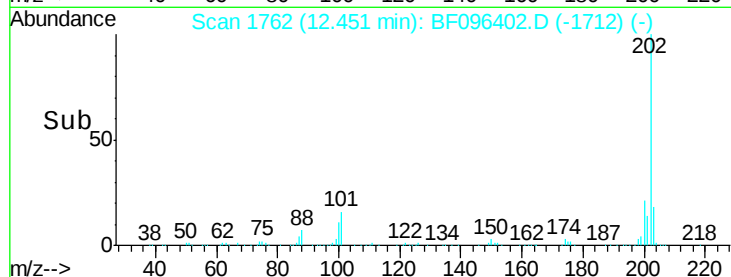
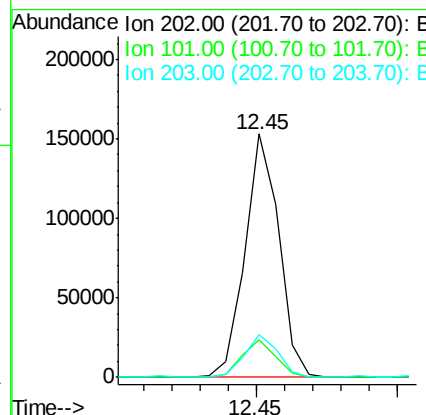
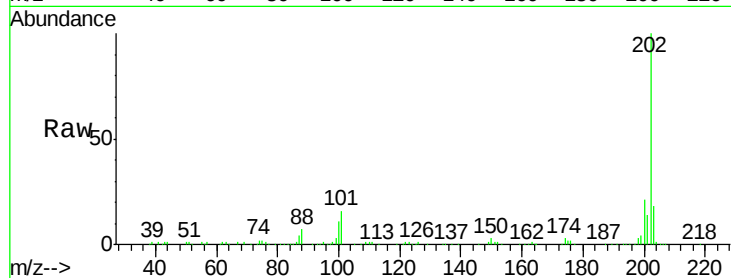
ClientSampleId :

G-58-1.5-3

Tgt	Ion	Resp	Lower	Upper
202	100			
101	15.7	0.0	33.2	
203	17.6	0.0	38.1	

Manual Integrations
APPROVED

mohammad
7/3/2017 4:03:49 PM



#75

Chrysene-d12

Concen: 20.000 ng

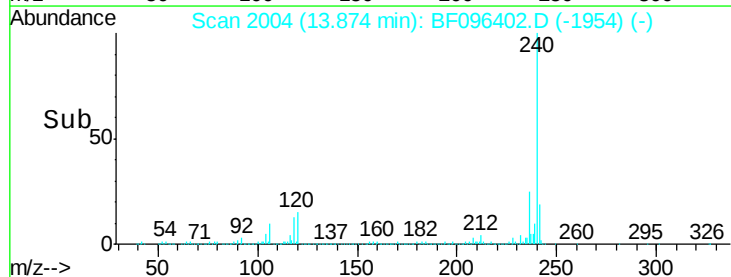
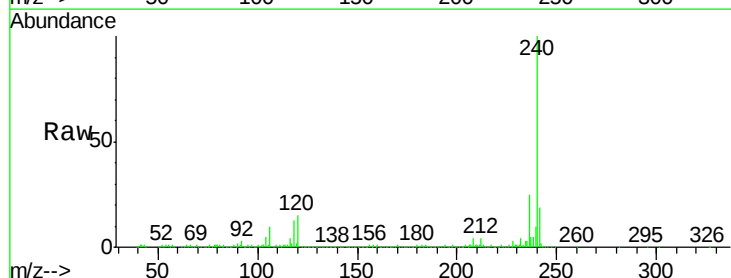
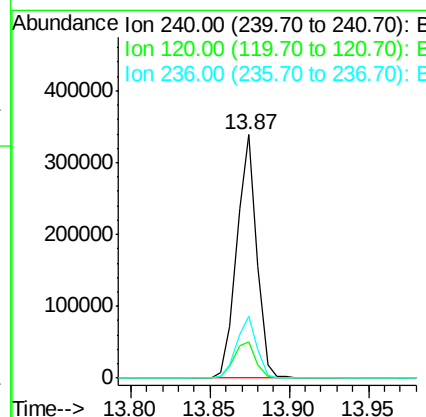
RT: 13.87 min Scan# 2004

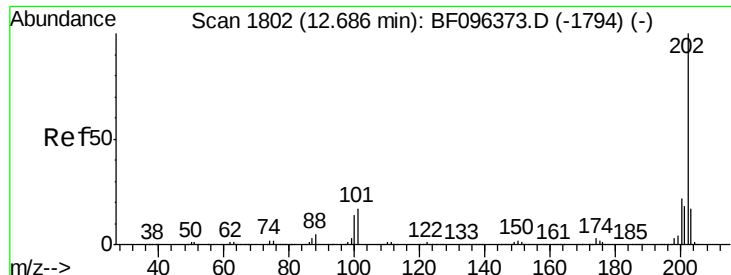
Delta R.T. -0.01 min

Lab File: BF096402.D

Acq: 2 Jul 2017 2:08

Tgt	Ion	Resp	Lower	Upper
240	100			
120	15.1	5.8	8.8#	
236	25.3	20.5	30.7	





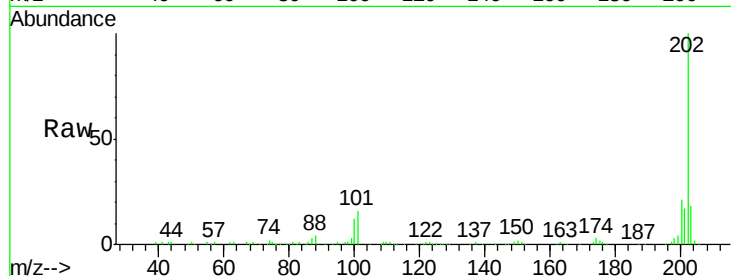
#77
 Pyrene
 Concen: 5.010 ng
 RT: 12.68 min Scan# 1801
 Delta R.T. -0.01 min
 Lab File: BF096402.D
 Acq: 2 Jul 2017 2:08

Instrument :
 BNA_F
 ClientSampleId :
 G-58-1.5-3

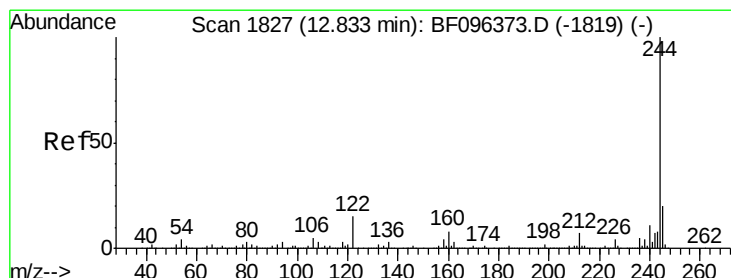
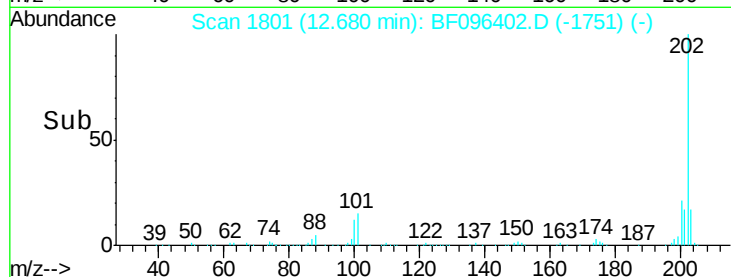
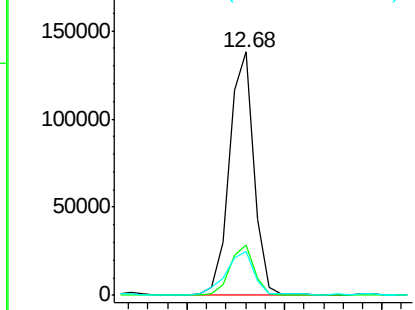
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.6	17.6	26.4
203	17.8	14.4	21.6

Manual Integrations
 APPROVED

mohammad
 7/3/2017 4:03:49 PM

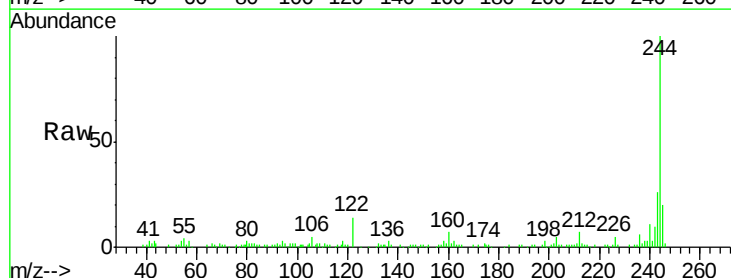


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

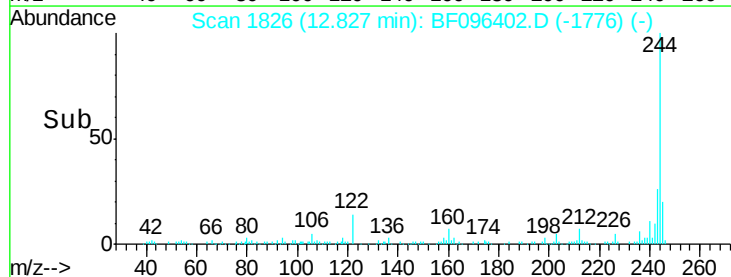
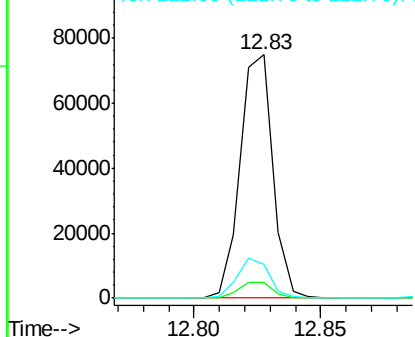


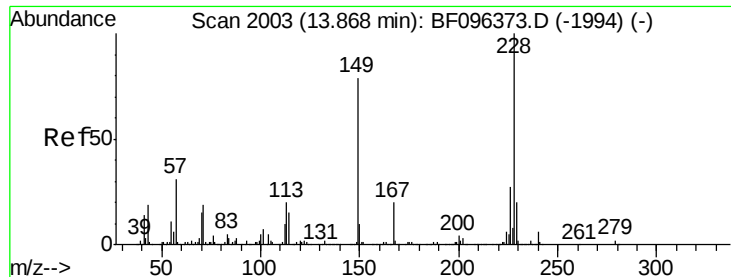
#78
 Terphenyl-d14
 Concen: 4.833 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF096402.D
 Acq: 2 Jul 2017 2:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.5	6.0	9.0
122	13.8	10.3	15.5



Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E





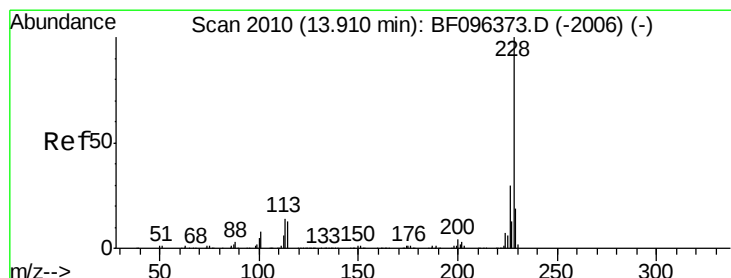
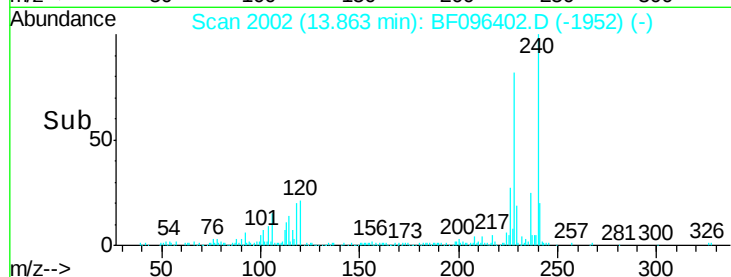
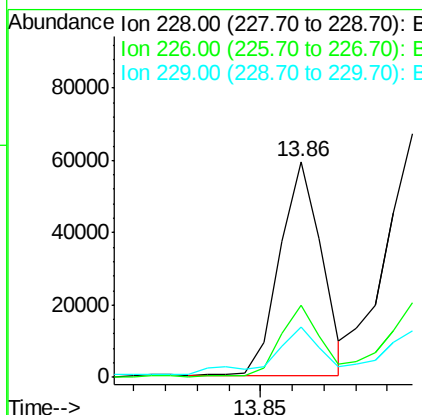
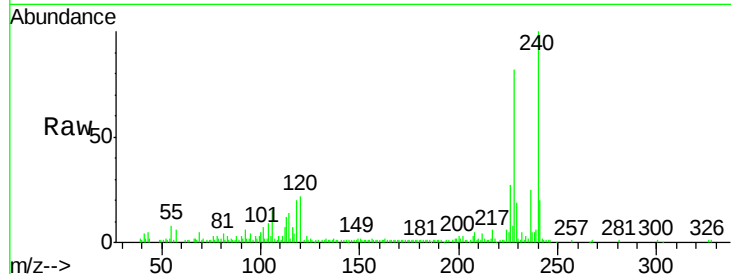
#80
Benzo(a)anthracene
Concen: 3.178 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF096402.D
Acq: 2 Jul 2017 2:08

Instrument :
BNA_F
ClientSampleId :
G-58-1.5-3

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.2	22.6	33.8
229	23.3	16.3	24.5

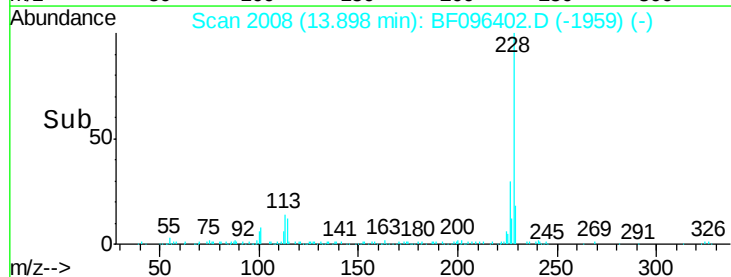
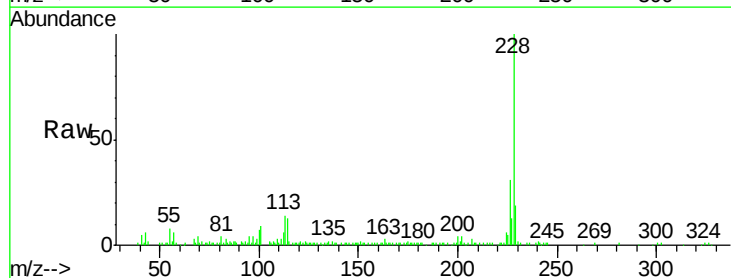
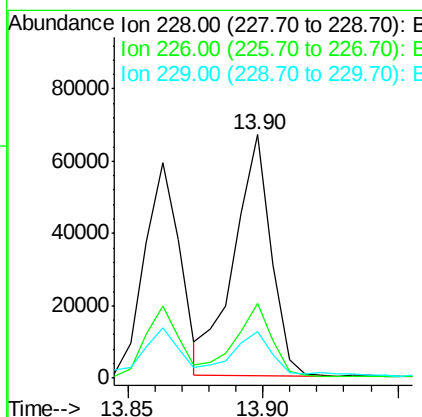
Manual Integrations
APPROVED

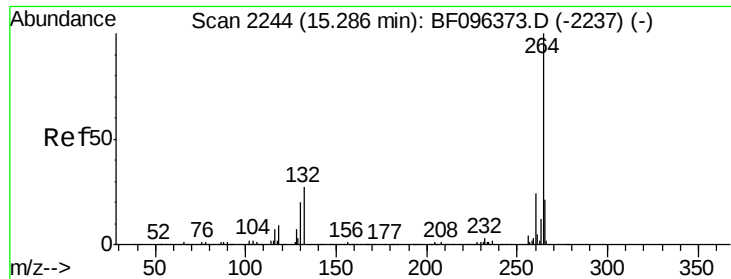
mohammad
7/3/2017 4:03:49 PM



#82
Chrysene
Concen: 3.543 ng m
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF096402.D
Acq: 2 Jul 2017 2:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.9	37.3
229	19.2	15.8	23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2244

Delta R.T. 0.00 min

Lab File: BF096402.D

Acq: 2 Jul 2017 2:08

Instrument :

BNA_F

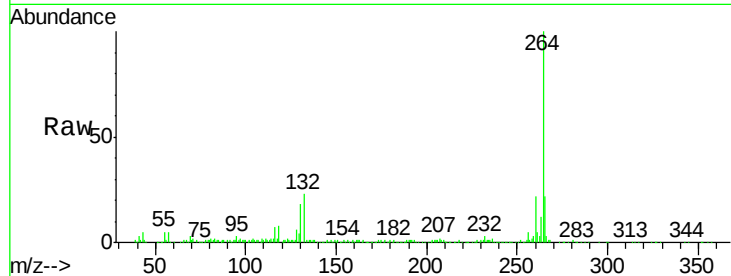
ClientSampleId :

G-58-1.5-3

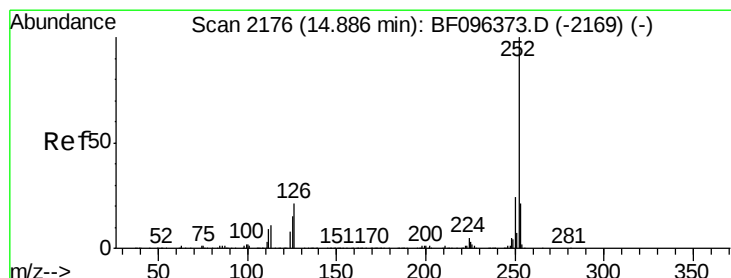
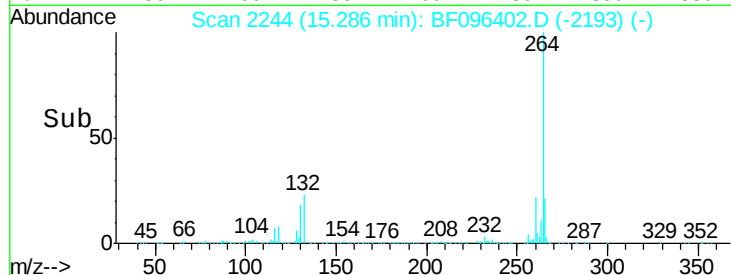
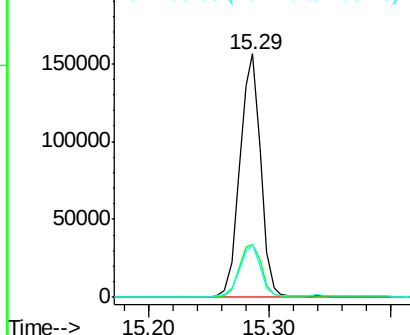
Tgt Ion:	264	Resp:	188142
Ion Ratio		Lower	Upper
264	100		
260	21.8	19.5	29.3
265	21.6	17.2	25.8

Manual Integrations
APPROVED

mohammad
7/3/2017 4:03:49 PM



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



#87

Benzo(b)fluoranthene

Concen: 4.035 ng m

RT: 14.89 min Scan# 2176

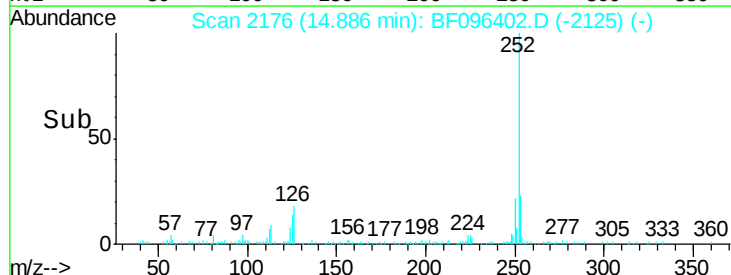
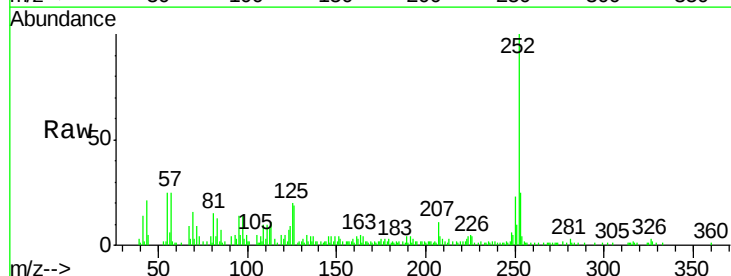
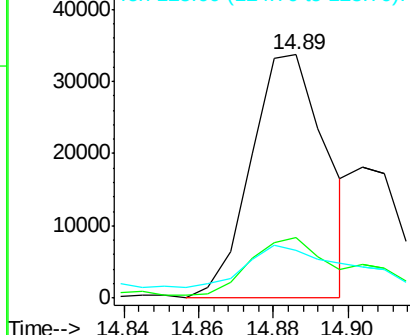
Delta R.T. 0.00 min

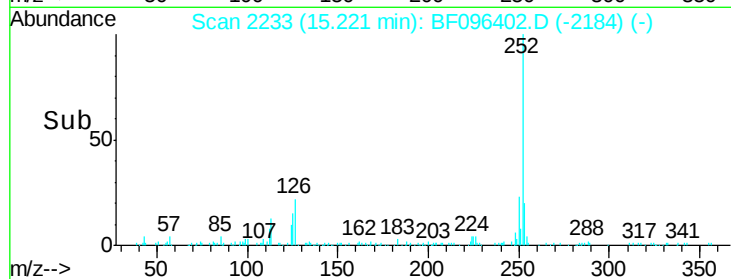
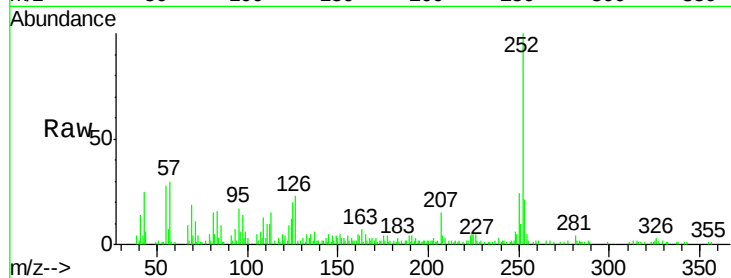
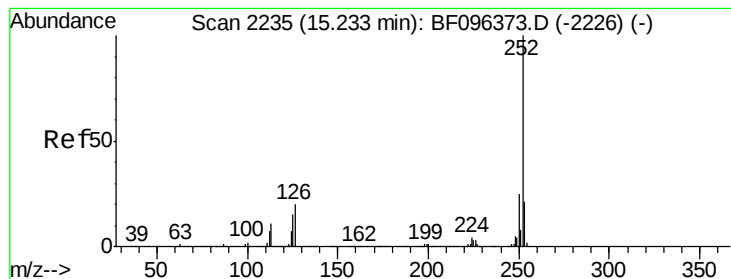
Lab File: BF096402.D

Acq: 2 Jul 2017 2:08

Tgt Ion:	252	Resp:	47569
Ion Ratio		Lower	Upper
252	100		
253	24.6	18.1	27.1
125	19.7	9.8	14.8#

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





#89

Benzo(a)pyrene

Concen: 3.120 ng

RT: 15.22 min Scan# 2233

Delta R.T. -0.01 min

Lab File: BF096402.D

Acq: 2 Jul 2017 2:08

Instrument :

BNA_F

ClientSampleId :

G-58-1.5-3

Tgt Ion:	252	Resp:	32837
Ion Ratio	Lower	Upper	
252	100		
253	21.3	17.5	26.3
125	19.7	11.0	16.4

Manual Integrations
APPROVED

mohammad
7/3/2017 4:03:49 PM

