

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
 Data File : BF095647.D
 Acq On : 2 Jun 2017 22:13
 Operator : SJ/MA
 Sample : I3440-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-RO-4146-060117

Manual Integrations
 APPROVED

mohammad
 6/6/2017 8:49:05 AM

Quant Time: Jun 03 04:37:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 18:51:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	77613	20.00	ng	0.00
21) Naphthalene-d8	9.57	136	283646	20.00	ng	0.00
38) Acenaphthene-d10	12.39	164	106377	20.00	ng	0.00
63) Phenanthrene-d10	14.80	188	163852	20.00	ng	0.00
75) Chrysene-d12	18.50	240	166458	20.00	ng	0.00
86) Perylene-d12	20.17	264	119619	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	97646	20.98	ng	0.04
7) Phenol-d6	7.12	99	109162	19.54	ng	0.02
23) Nitrobenzene-d5	8.47	82	63313	14.08	ng	0.00
41) 2,4,6-Tribromophenol	13.70	330	15292	17.55	ng	0.00
44) 2-Fluorobiphenyl	11.35	172	124190	16.80	ng	0.00
78) Terphenyl-d14	17.14	244	84464	11.18	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	12.05	163	25060	2.87	ng	97
57) Fluorene	13.30	166	16505	2.03	ng	97
70) Phenanthrene	14.83	178	175105	18.60	ng	99
71) Anthracene	14.93	178	49385m	5.14	ng	
74) Fluoranthene	16.60	202	266005	27.54	ng	98
77) Pyrene	16.90	202	262129	21.06	ng	96
80) Benzo(a)anthracene	18.49	228	107988	11.15	ng	96
82) Chrysene	18.53	228	107349	11.46	ng	98
85) Indeno(1,2,3-cd)pyrene	21.43	276	43148	5.67	ng	91
87) Benzo(b)fluoranthene	19.77	252	118167m	15.99	ng	
88) Benzo(k)fluoranthene	19.80	252	40342m	5.66	ng	
89) Benzo(a)pyrene	20.12	252	83346	12.22	ng	97
91) Benzo(a,h,i)perylene	21.79	276	38489	6.96	ng	# 88

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

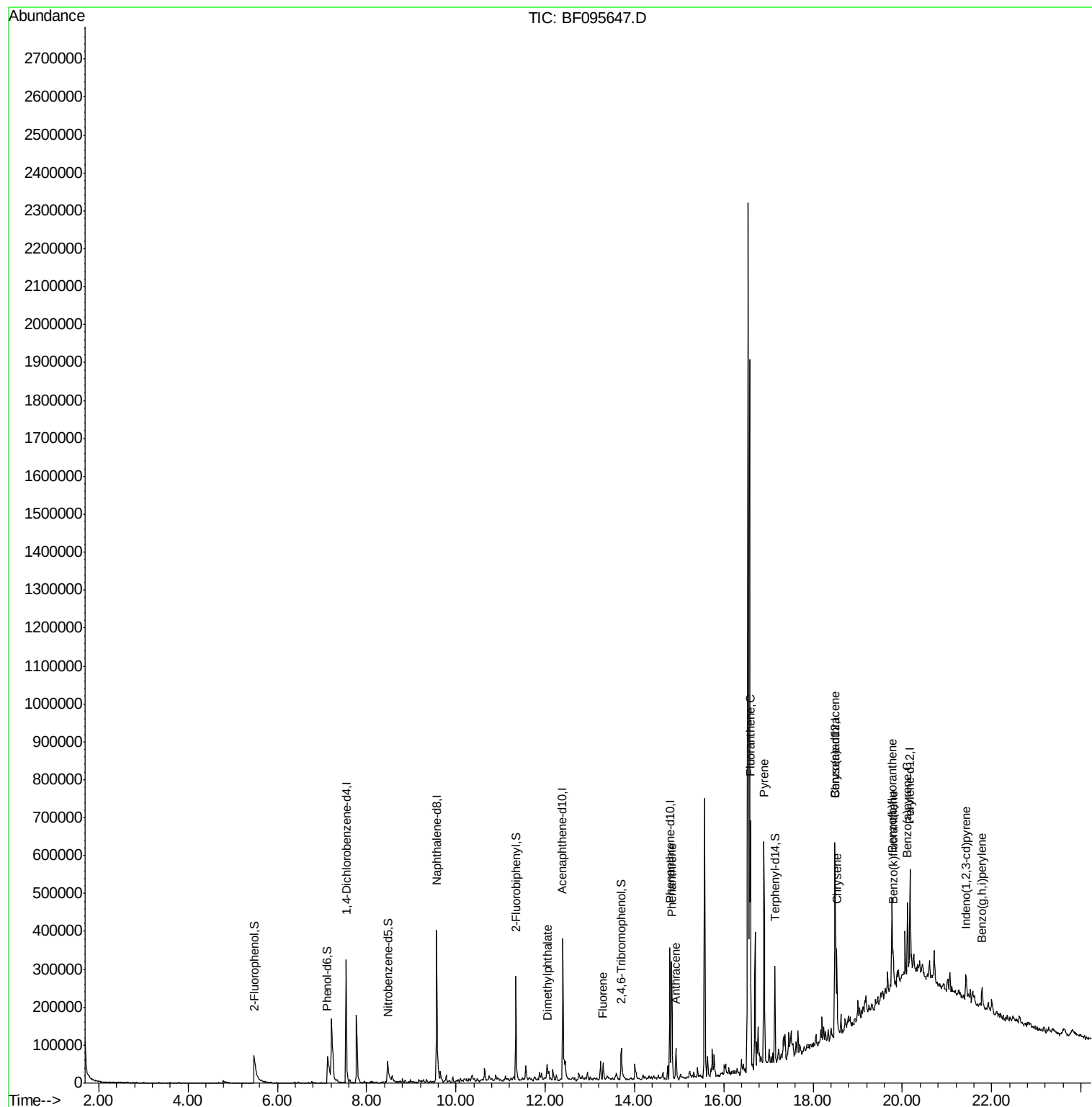
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
Data File : BF095647.D
Acq On : 2 Jun 2017 22:13
Operator : SJ/MA
Sample : I3440-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

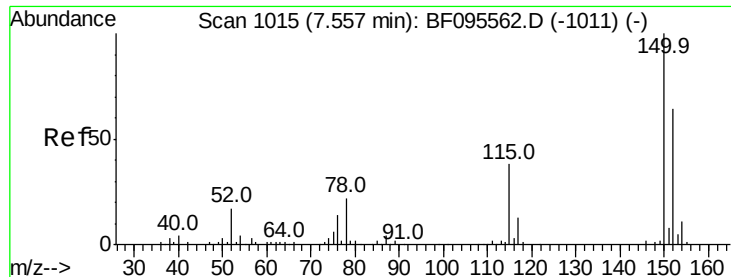
Instrument :
BNA_F
ClientSampleId :
EO-02-RO-4146-060117

Manual Integrations
APPROVED

mohammad
6/6/2017 8:49:05 AM

Quant Time: Jun 03 04:37:40 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 01 18:51:16 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.54 min Scan# 995

Delta R.T. 0.00 min

Lab File: BF095647.D

Acq: 2 Jun 2017 22:13

Instrument :

BNA_F

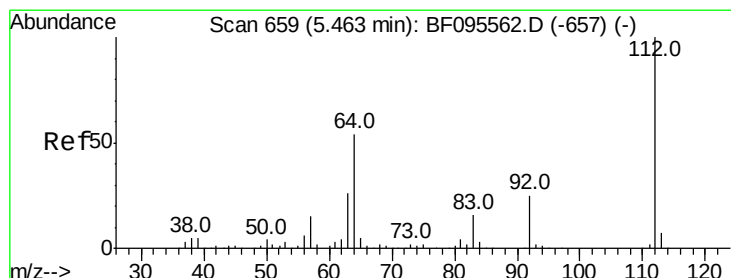
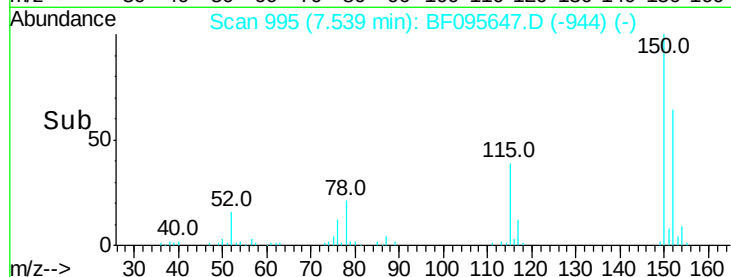
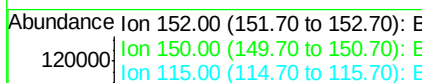
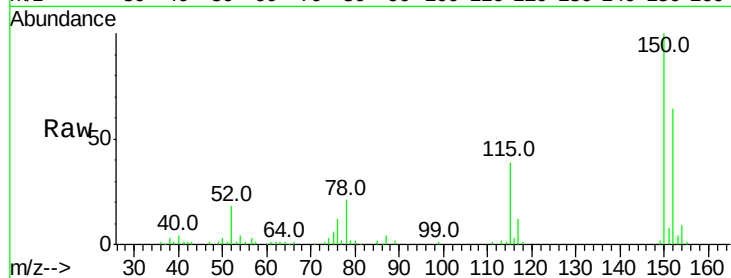
ClientSampleId :

EO-02-RO-4146-060117

Tot Ion:	152	Resp:	77613
Ion	Ratio	Lower	Upper
152	100		
150	157.3	126.2	189.2
115	61.2	52.2	78.2

Manual Integrations
APPROVED

mohammad
6/6/2017 8:49:05 AM



#5

2-Fluorophenol

Concen: 20.98 ng

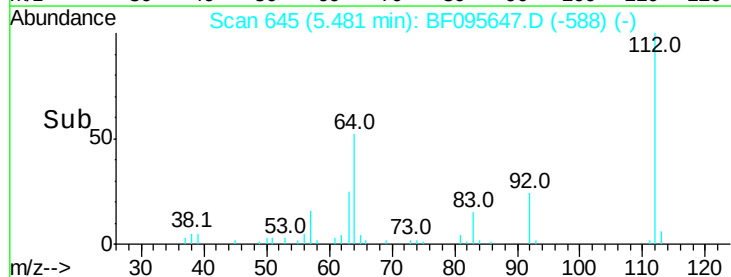
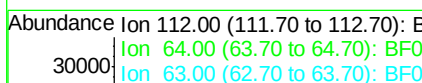
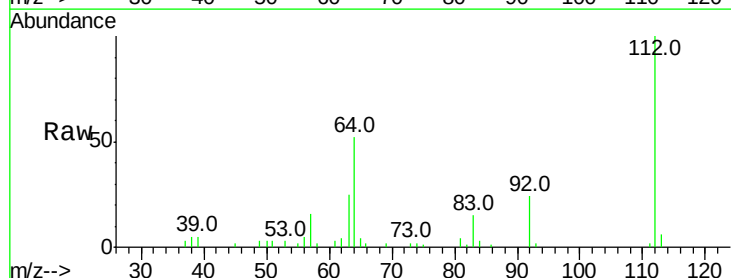
RT: 5.48 min Scan# 645

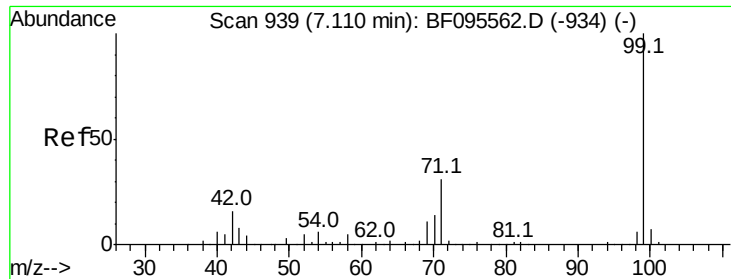
Delta R.T. 0.04 min

Lab File: BF095647.D

Acq: 2 Jun 2017 22:13

Tgt Ion:	112	Resp:	97646
Ion	Ratio	Lower	Upper
112	100		
64	52.2	46.0	69.0
63	25.2	23.4	35.0





#7

Phenol-d6

Concen: 19.54 ng

RT: 7.12 min Scan# 924

Delta R.T. 0.02 min

Lab File: BF095647.D

Acq: 2 Jun 2017 22:13

Instrument :

BNA_F

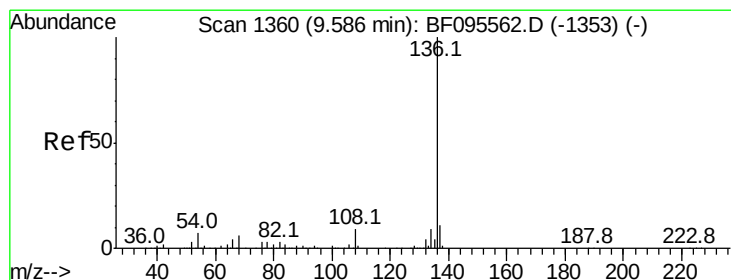
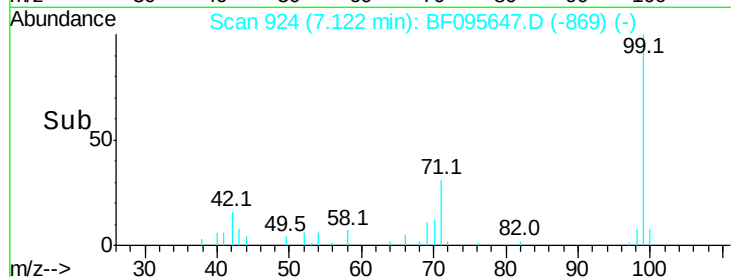
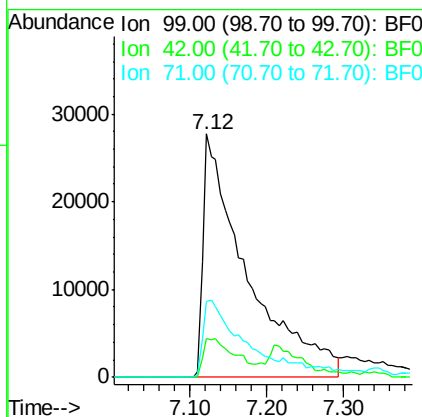
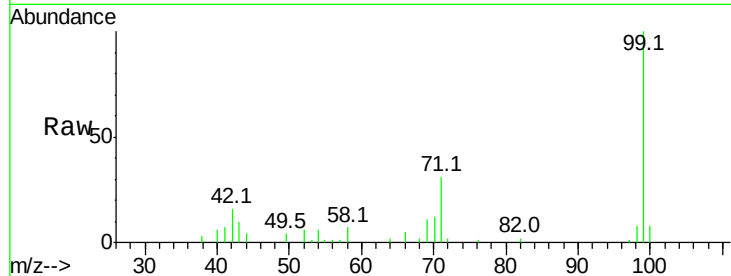
ClientSampleId :

EO-02-RO-4146-060117

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		109162		
42	16.0	13.5	20.3		
71	31.3	24.5	36.7		

Manual Integrations
APPROVED

mohammad
6/6/2017 8:49:05 AM



#21

Naphthalene-d8

Concen: 20.00 ng

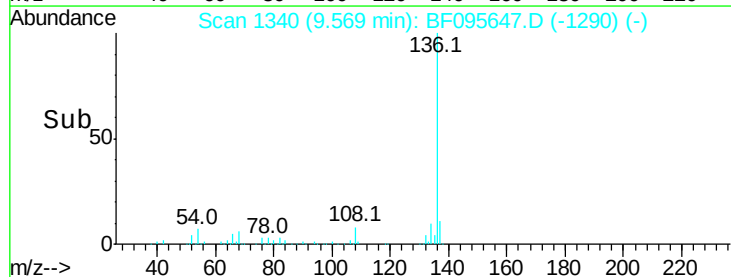
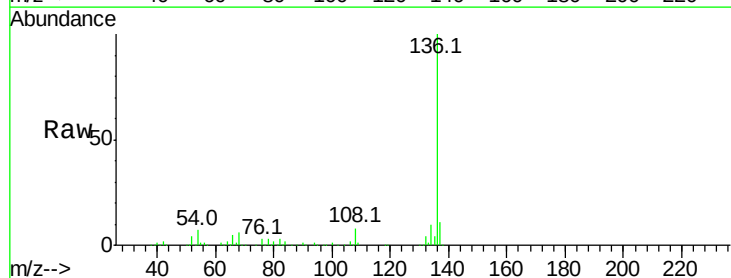
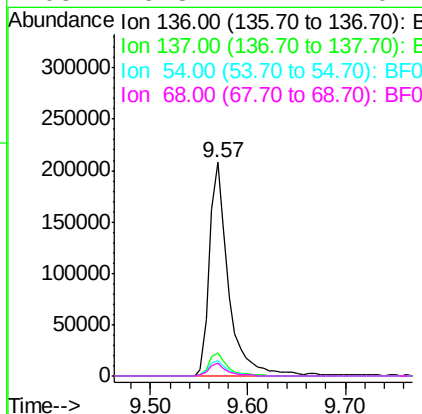
RT: 9.57 min Scan# 1340

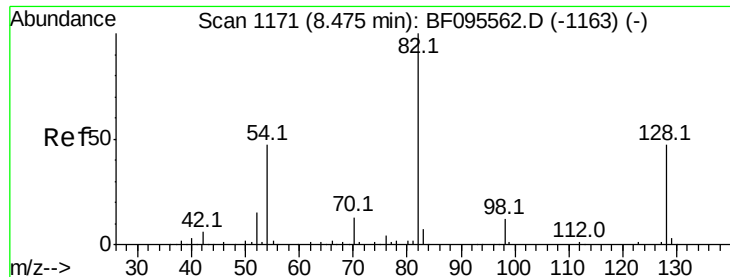
Delta R.T. -0.01 min

Lab File: BF095647.D

Acq: 2 Jun 2017 22:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		283646		
137	10.8	8.5	12.7		
54	7.3	4.9	7.3		
68	5.8	4.1	6.1		





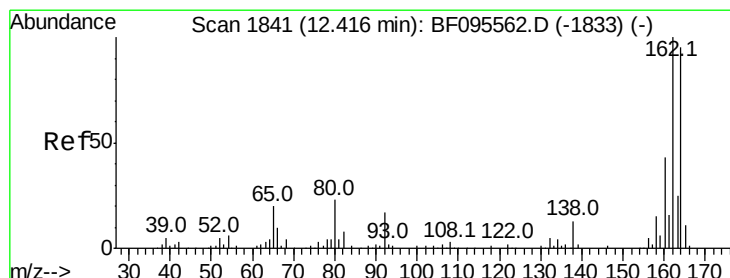
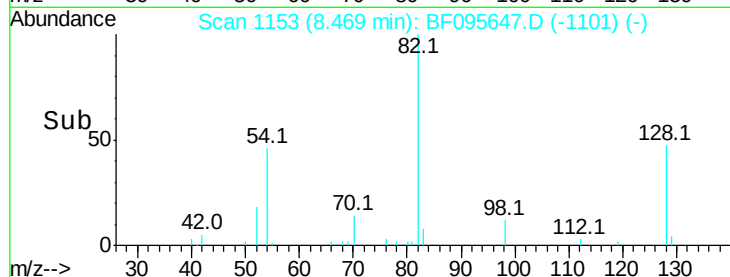
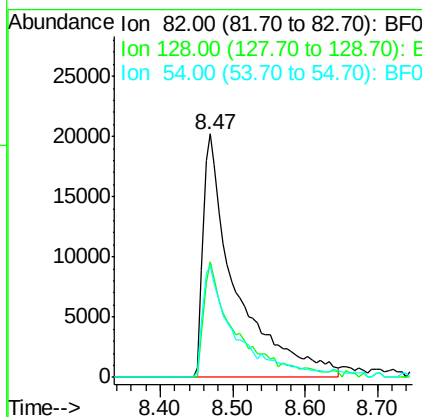
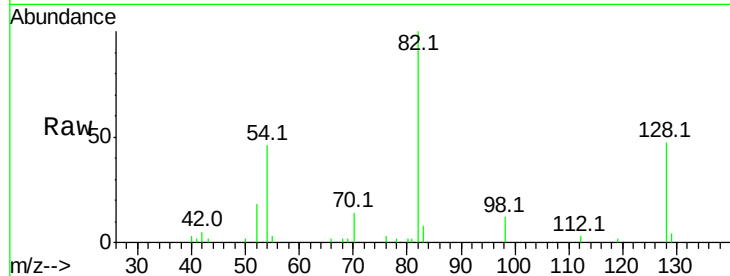
#23
Nitrobenzene-d5
Concen: 14.08 ng
RT: 8.47 min Scan# 1153
Delta R.T. 0.01 min
Lab File: BF095647.D
Acq: 2 Jun 2017 22:13

Instrument :
BNA_F
ClientSampleId :
EO-02-RO-4146-060117

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.5	34.0	51.0
54	45.9	42.2	63.2

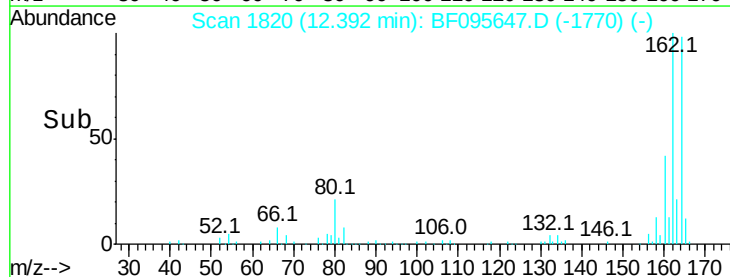
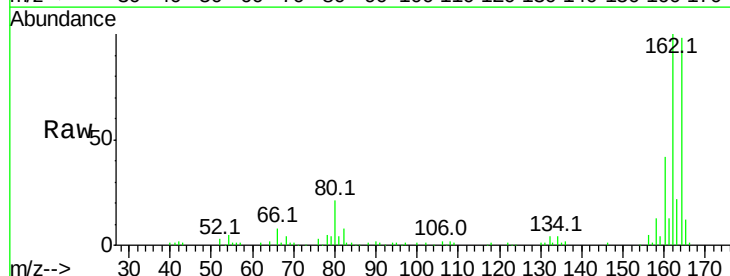
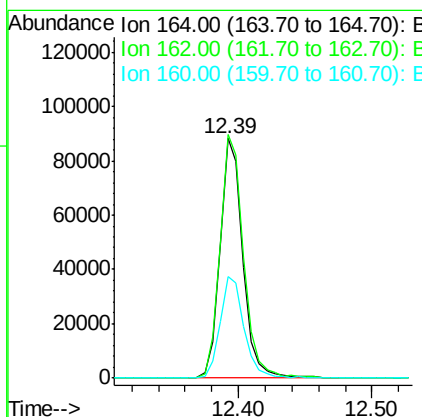
Manual Integrations
APPROVED

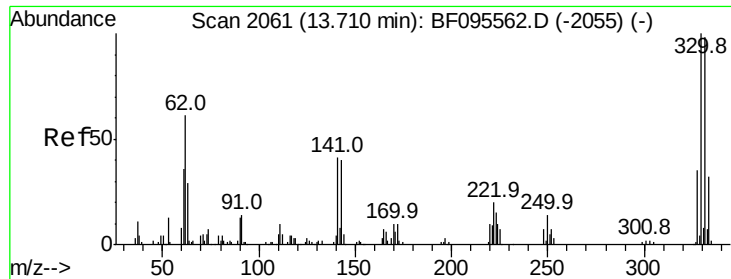
mohammad
6/6/2017 8:49:05 AM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.39 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF095647.D
Acq: 2 Jun 2017 22:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.6	123.8
160	42.3	36.2	54.2





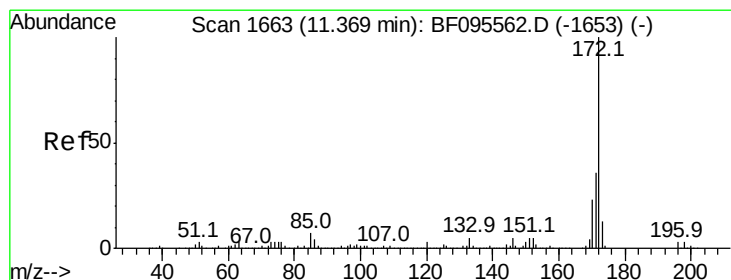
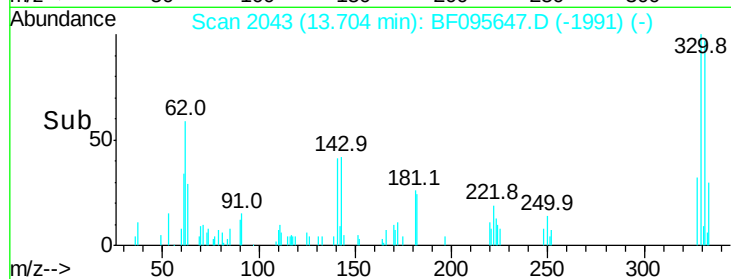
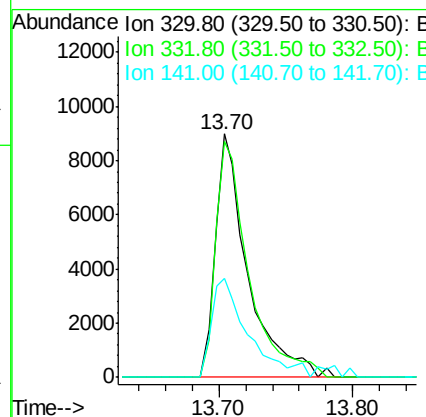
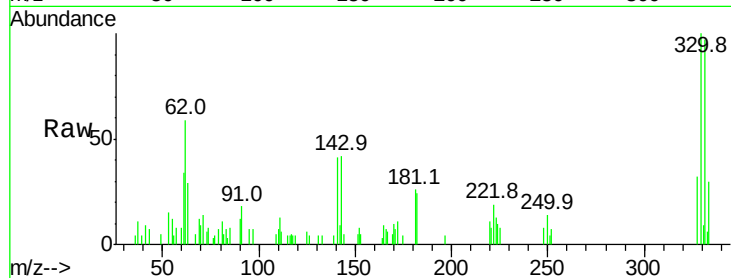
#41
 2,4,6-Tribromophenol
 Concen: 17.55 ng
 RT: 13.70 min Scan# 2043
 Delta R.T. 0.01 min
 Lab File: BF095647.D
 Acq: 2 Jun 2017 22:13

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-RO-4146-060117

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.6	76.6	115.0
141	45.6	31.4	47.2

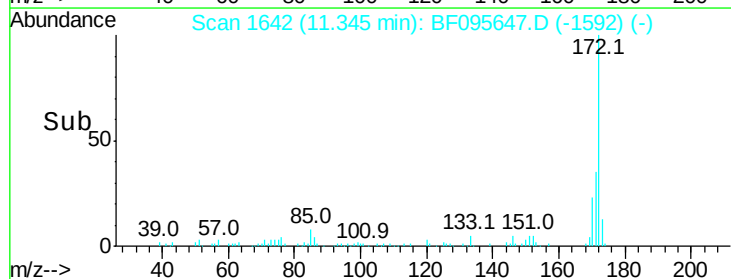
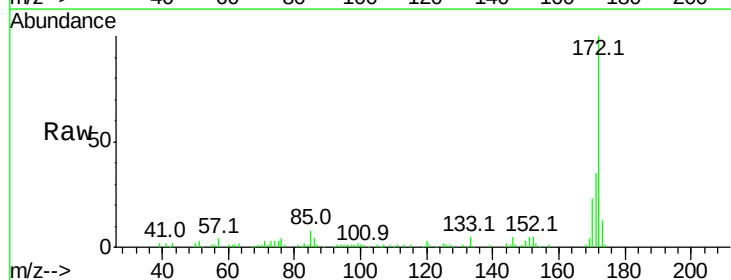
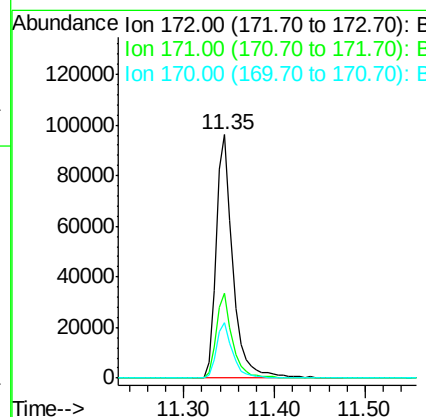
Manual Integrations
 APPROVED

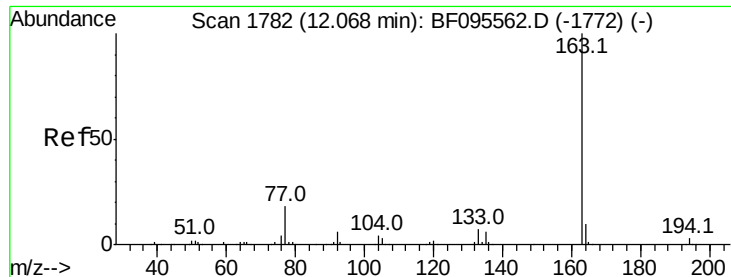
mohammad
 6/6/2017 8:49:05 AM



#44
 2-Fluorobiphenyl
 Concen: 16.80 ng
 RT: 11.35 min Scan# 1642
 Delta R.T. -0.01 min
 Lab File: BF095647.D
 Acq: 2 Jun 2017 22:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.6	44.4
170	22.9	19.8	29.8





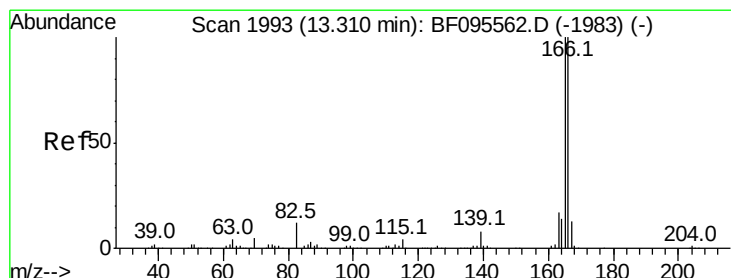
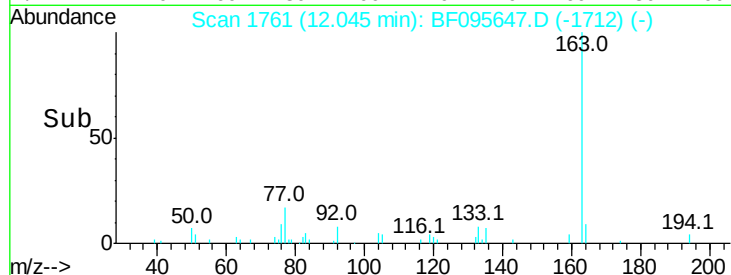
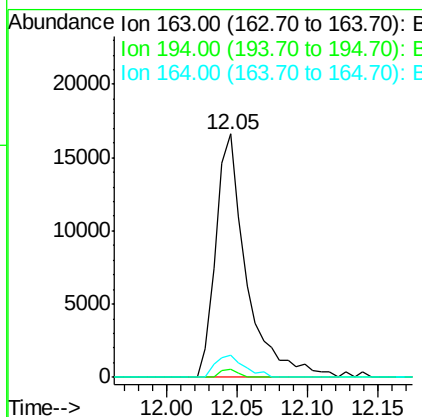
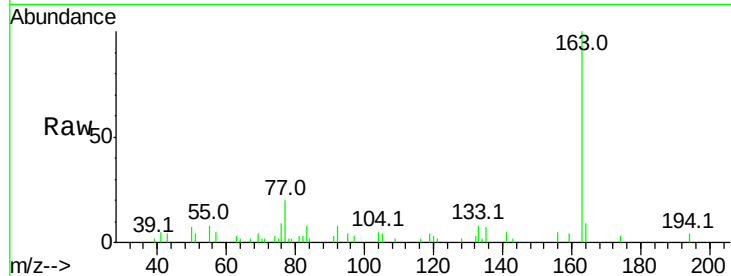
#49
Dimethylphthalate
Concen: 2.87 ng
RT: 12.05 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF095647.D
Acq: 2 Jun 2017 22:13

Instrument :
BNA_F
ClientSampleId :
EO-02-RO-4146-060117

Tot Ion	Ratio	Resp	Lower	Upper
163	100	25060		
194	3.6		2.6	4.0
164	9.0		8.4	12.6

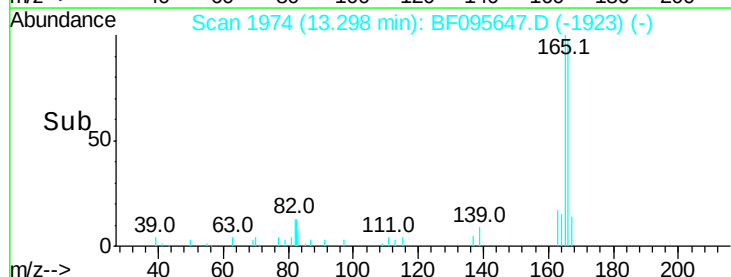
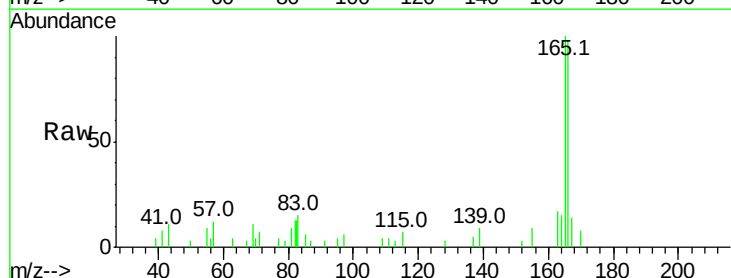
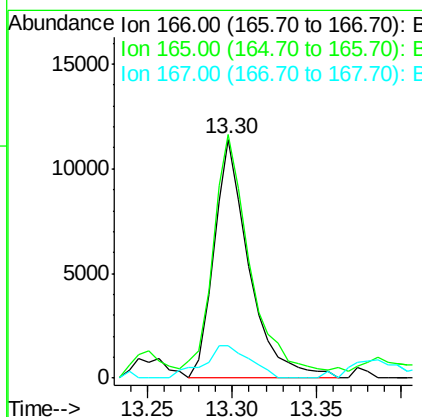
Manual Integrations
APPROVED

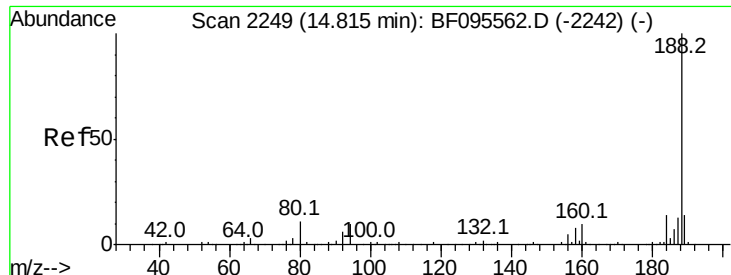
mohammad
6/6/2017 8:49:05 AM



#57
Fluorene
Concen: 2.03 ng
RT: 13.30 min Scan# 1974
Delta R.T. 0.00 min
Lab File: BF095647.D
Acq: 2 Jun 2017 22:13

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	16505		
165	102.0		78.8	118.2
167	13.8		10.6	16.0





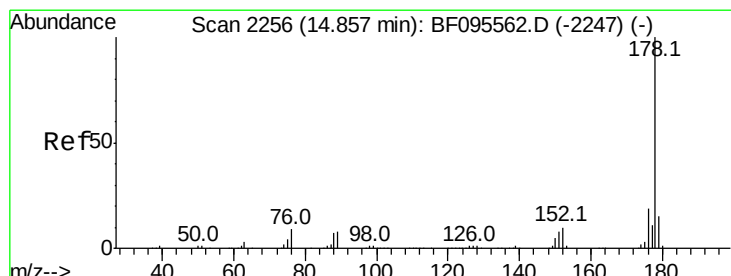
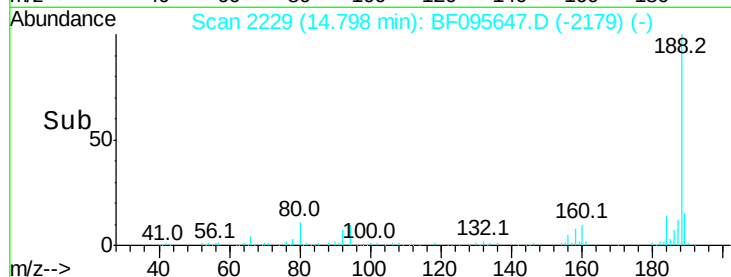
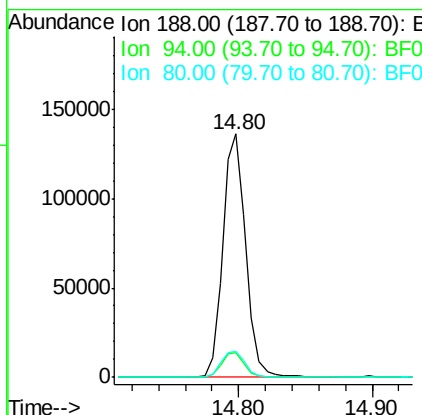
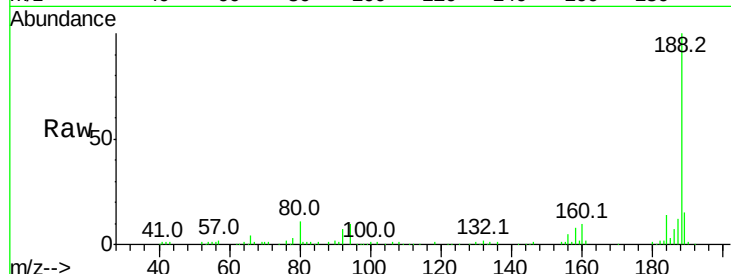
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.80 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF095647.D
Acq: 2 Jun 2017 22:13

Instrument :
BNA_F
ClientSampleId :
EO-02-RO-4146-060117

Tot Ion	Ratio	Resp	Lower	Upper
188	100	163852		
94	10.3		9.4	14.2
80	10.8		10.2	15.2

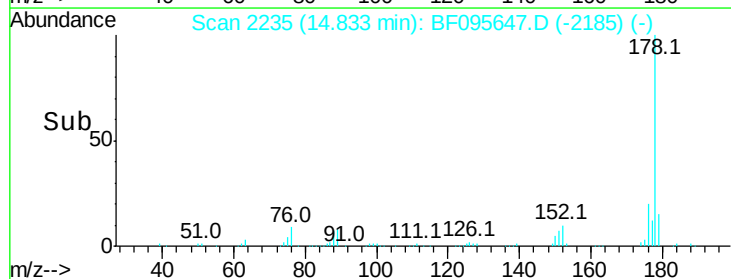
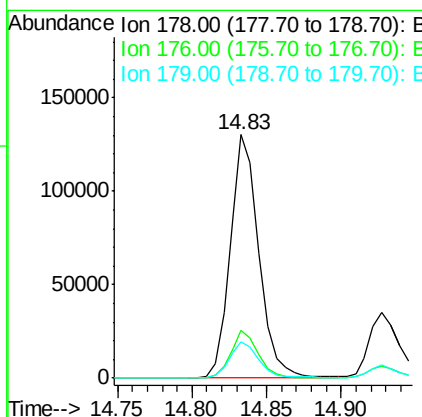
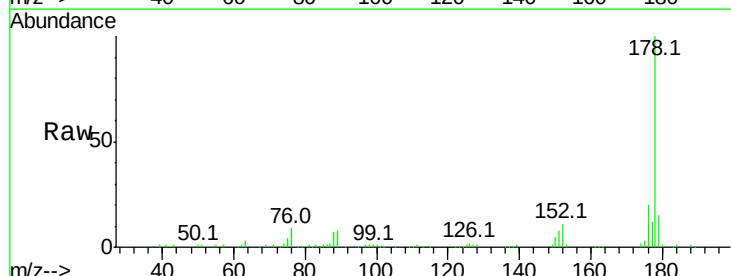
Manual Integrations
APPROVED

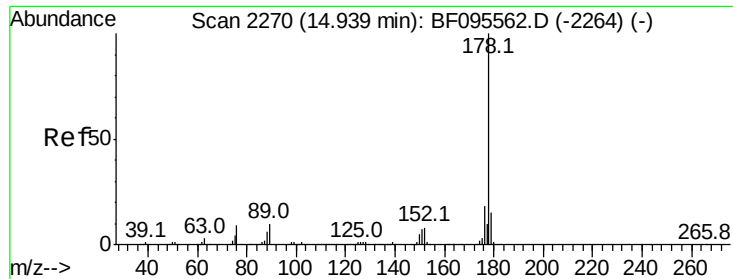
mohammad
6/6/2017 8:49:05 AM



#70
Phenanthrene
Concen: 18.60 ng
RT: 14.83 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF095647.D
Acq: 2 Jun 2017 22:13

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	175105		
176	19.9		16.2	24.4
179	14.9		12.6	19.0





#71

Anthracene

Concen: 5.14 ng/mL

RT: 14.93 min Scan# 2251

Delta R.T. 0.00 min

Lab File: BF095647.D

Acq: 2 Jun 2017 22:13

Instrument :

BNA_F

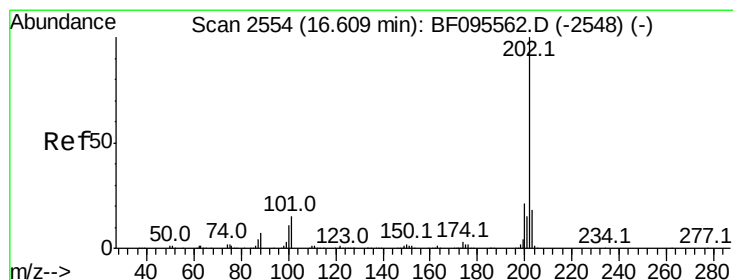
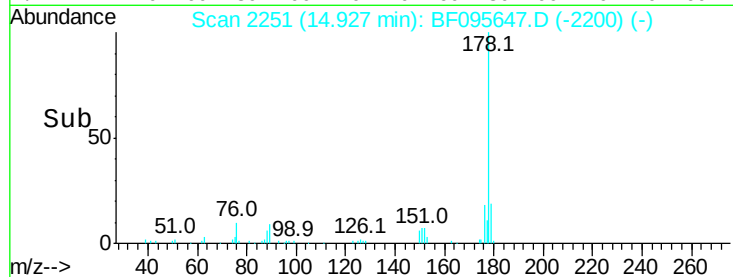
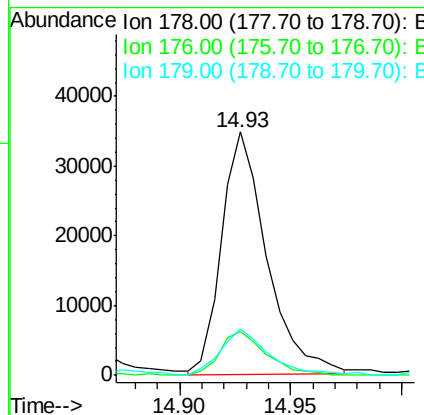
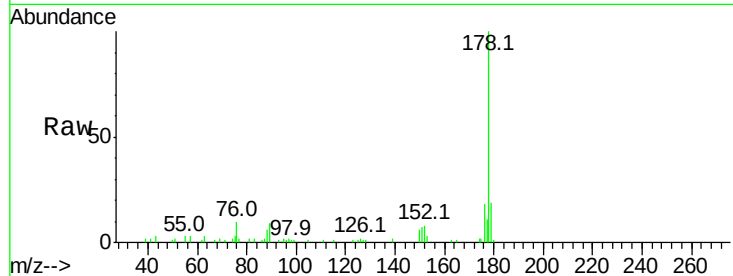
ClientSampleId :

EO-02-RO-4146-060117

Tot Ion:	178	Resp:	49385
Ion Ratio	Lower	Upper	
178	100		
176	17.8	15.8	23.8
179	19.3	12.7	19.1#

Manual Integrations
APPROVED

mohammad
6/6/2017 8:49:05 AM



#74

Fluoranthene

Concen: 27.54 ng/mL

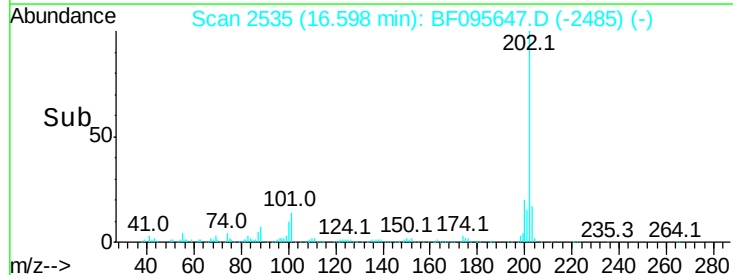
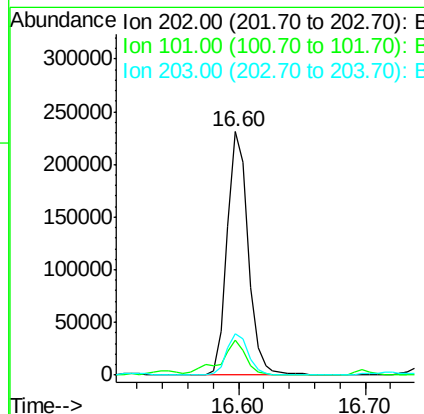
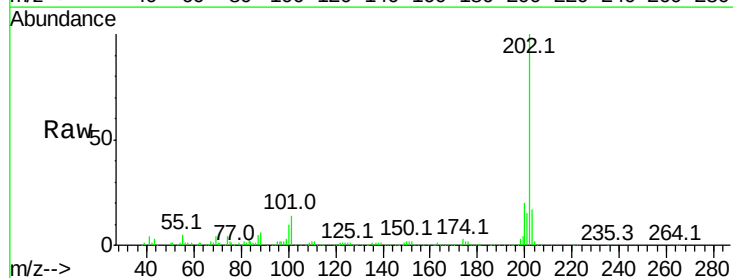
RT: 16.60 min Scan# 2535

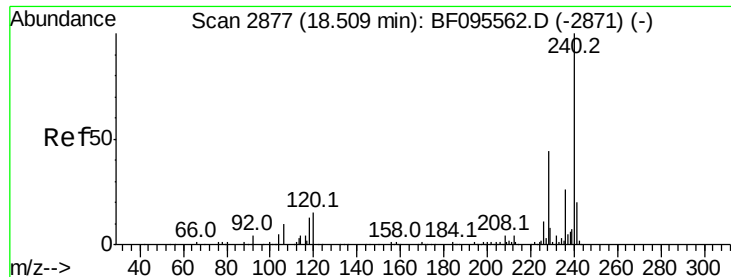
Delta R.T. -0.01 min

Lab File: BF095647.D

Acq: 2 Jun 2017 22:13

Tgt Ion:	202	Resp:	266005
Ion Ratio	Lower	Upper	
202	100		
101	14.2	0.0	33.2
203	17.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.50 min Scan# 2858

Delta R.T. 0.00 min

Lab File: BF095647.D

Acq: 2 Jun 2017 22:13

Instrument :

BNA_F

ClientSampleId :

EO-02-RO-4146-060117

Tot Ion:240 Resp: 166458

Ion Ratio Lower Upper

240 100

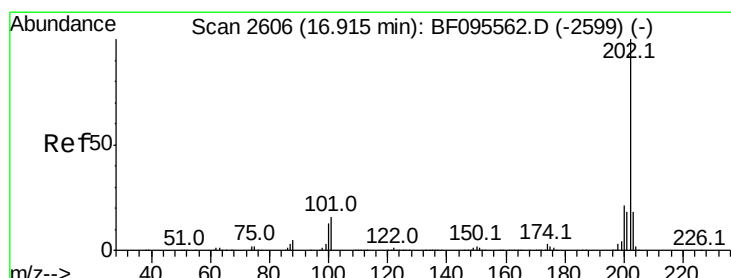
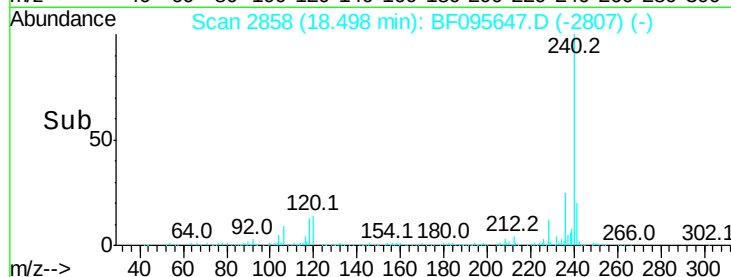
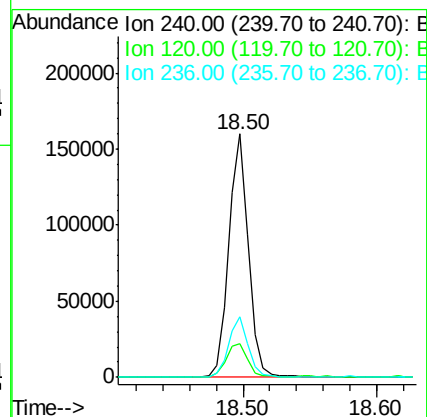
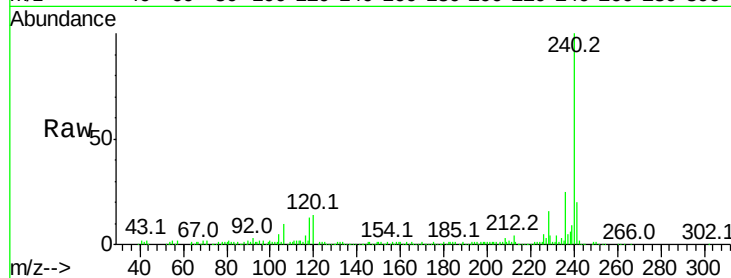
120 14.0 5.8 8.8#

236 24.9 20.5 30.7

Manual Integrations
APPROVED

mohammad

6/6/2017 8:49:05 AM



#77

Pyrene

Concen: 21.06 ng

RT: 16.90 min Scan# 2587

Delta R.T. 0.00 min

Lab File: BF095647.D

Acq: 2 Jun 2017 22:13

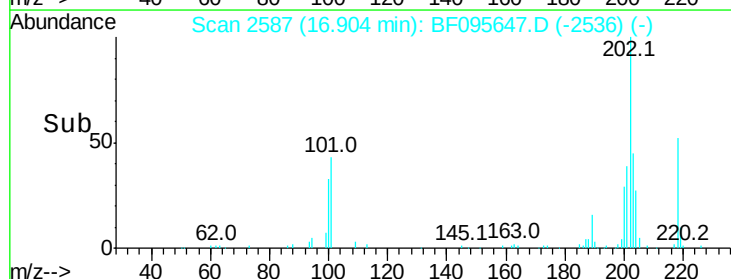
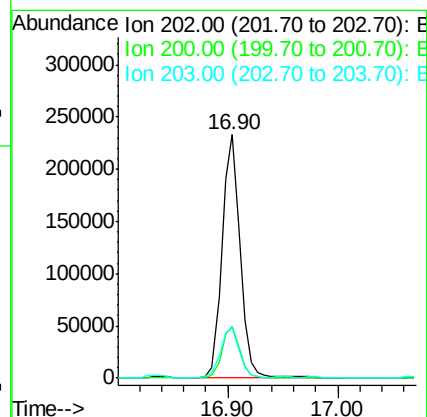
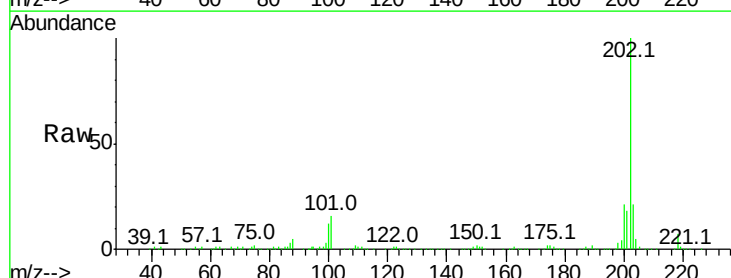
Tgt Ion:202 Resp: 262129

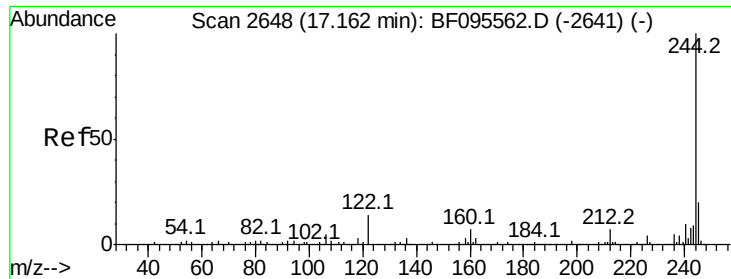
Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

203 20.6 14.4 21.6





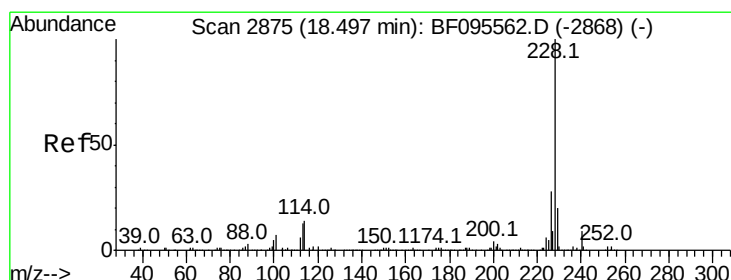
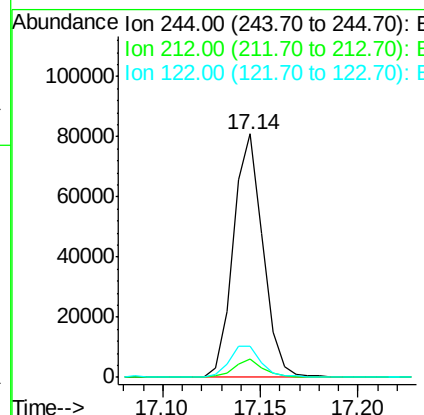
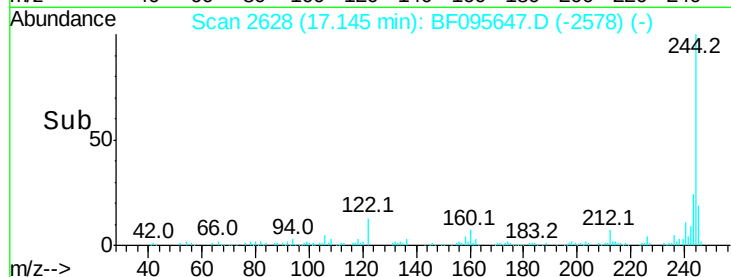
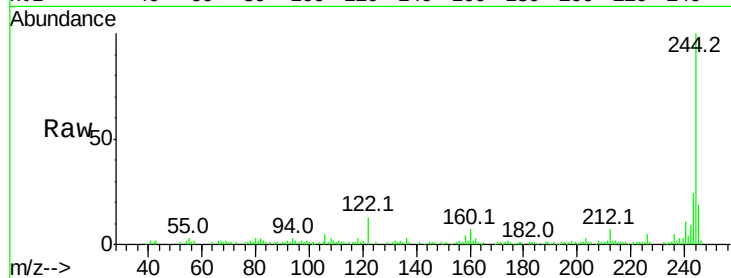
#78
 Terphenyl-d14
 Concen: 11.18 ng
 RT: 17.14 min Scan# 2628
 Delta R.T. -0.01 min
 Lab File: BF095647.D
 Acq: 2 Jun 2017 22:13

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-RO-4146-060117

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	12.8	10.3	15.5

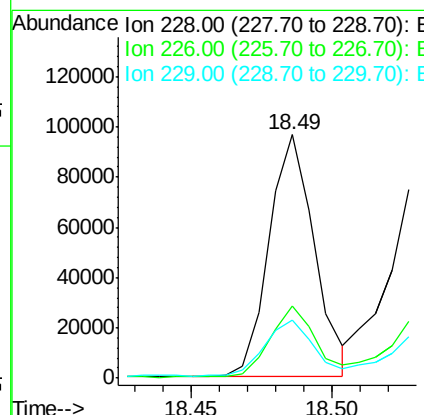
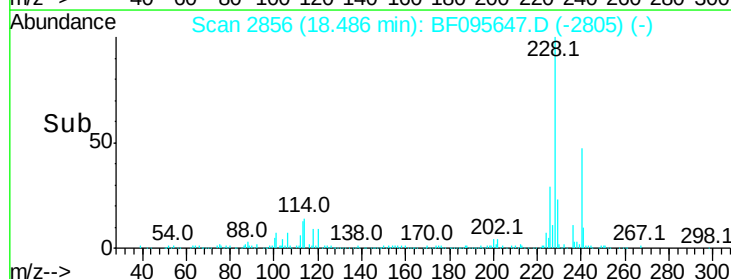
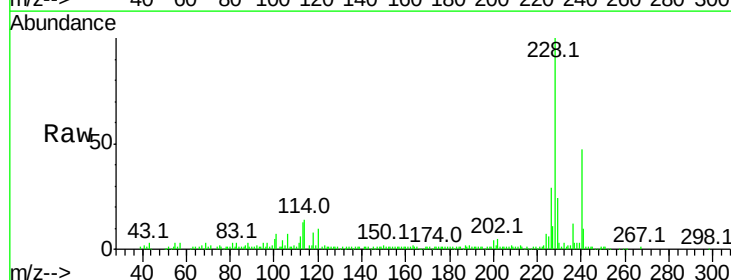
Manual Integrations
 APPROVED

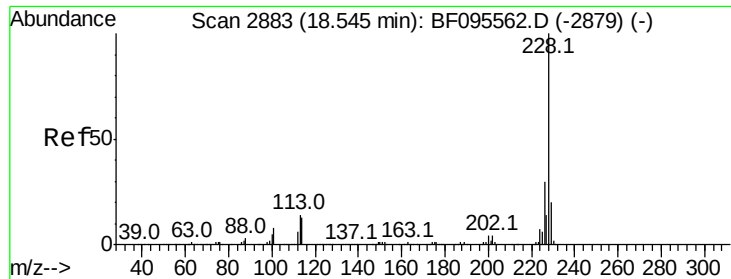
mohammad
 6/6/2017 8:49:05 AM



#80
 Benzo(a)anthracene
 Concen: 11.15 ng
 RT: 18.49 min Scan# 2856
 Delta R.T. 0.00 min
 Lab File: BF095647.D
 Acq: 2 Jun 2017 22:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	23.8	16.3	24.5





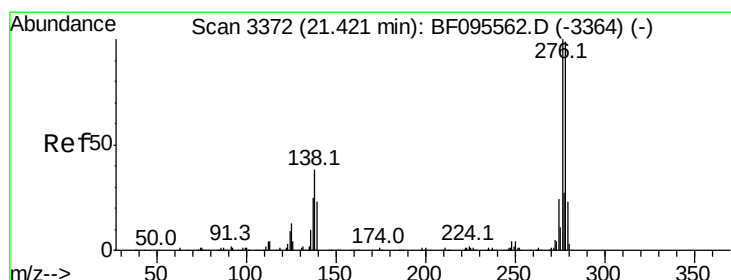
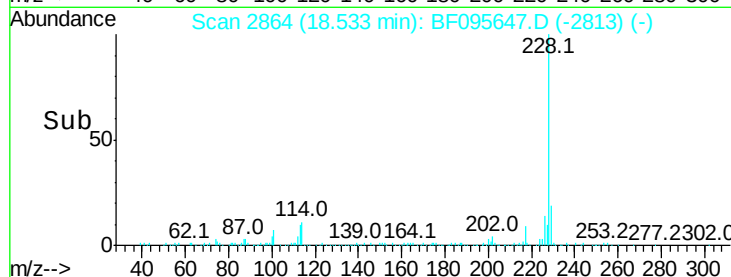
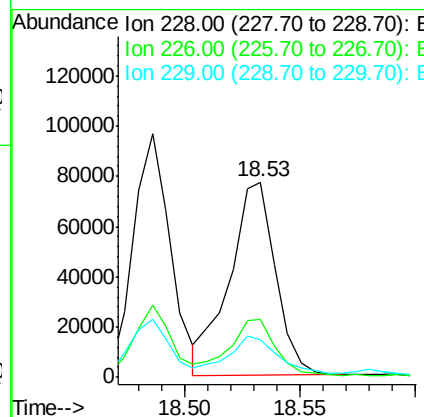
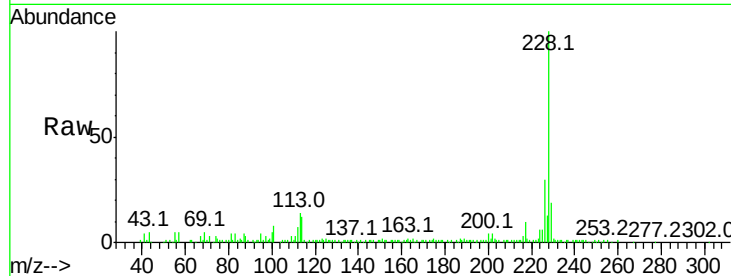
#82
Chrysene
Concen: 11.46 ng
RT: 18.53 min Scan# 2864
Delta R.T. 0.00 min
Lab File: BF095647.D
Acq: 2 Jun 2017 22:13

Instrument :
BNA_F
ClientSampleId :
EO-02-RO-4146-060117

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.9	37.3
229	19.4	15.8	23.6

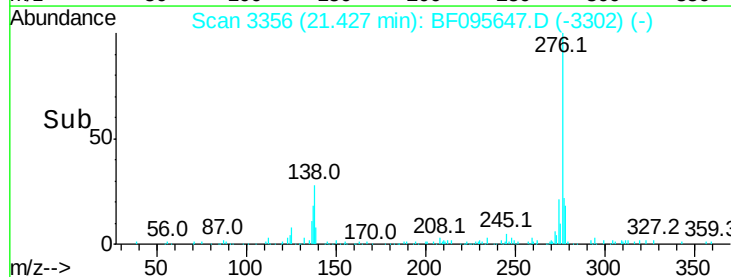
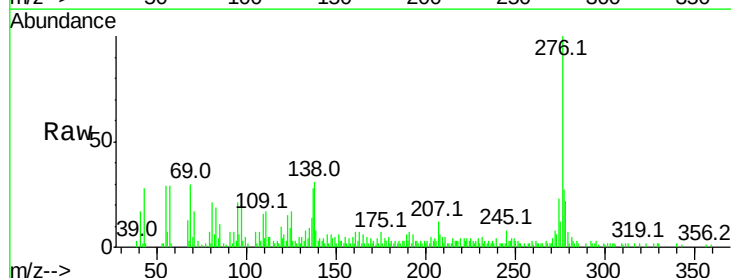
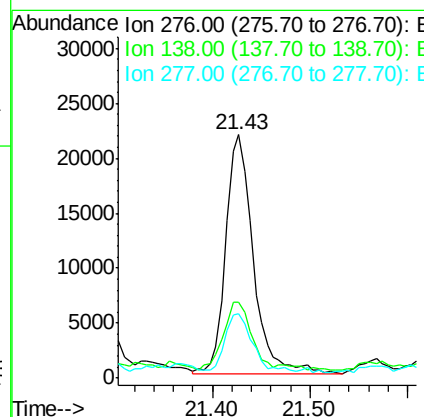
Manual Integrations
APPROVED

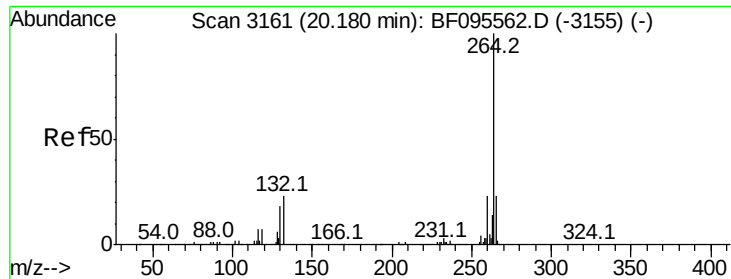
mohammad
6/6/2017 8:49:05 AM



#85
Indeno(1,2,3-cd)pyrene
Concen: 5.67 ng
RT: 21.43 min Scan# 3356
Delta R.T. 0.02 min
Lab File: BF095647.D
Acq: 2 Jun 2017 22:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.3	27.8	41.6
277	22.7	20.2	30.4





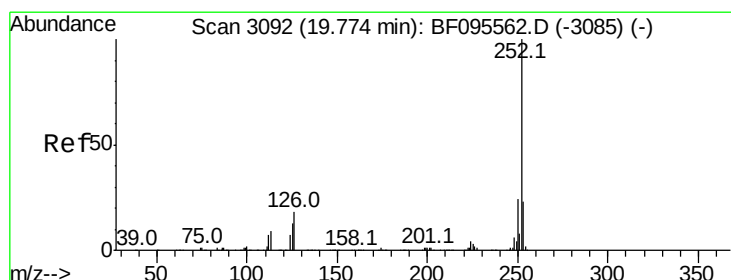
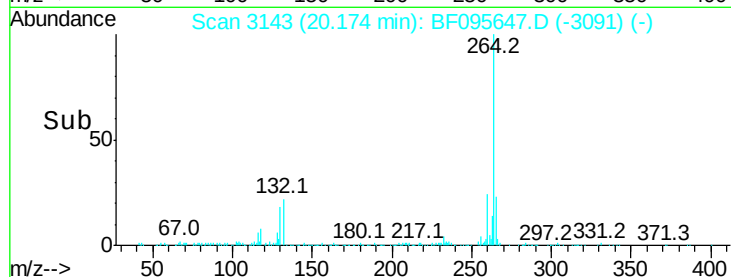
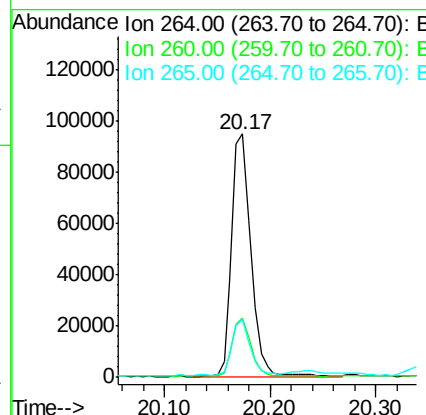
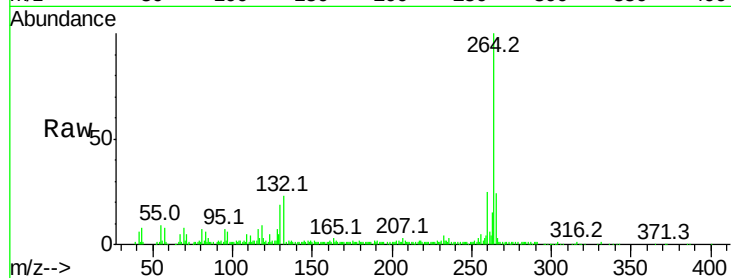
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.17 min Scan# 3143
Delta R.T. 0.01 min
Lab File: BF095647.D
Acq: 2 Jun 2017 22:13

Instrument :
BNA_F
ClientSampleId :
EO-02-RO-4146-060117

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	23.9	17.2	25.8

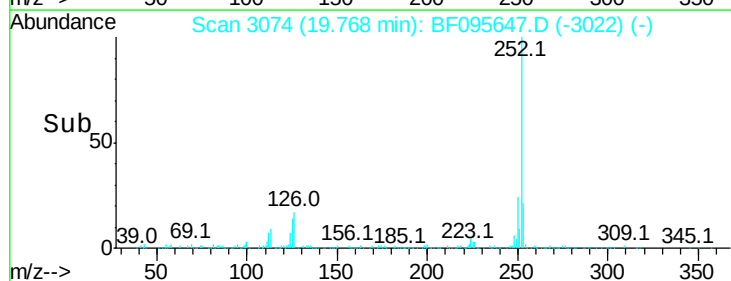
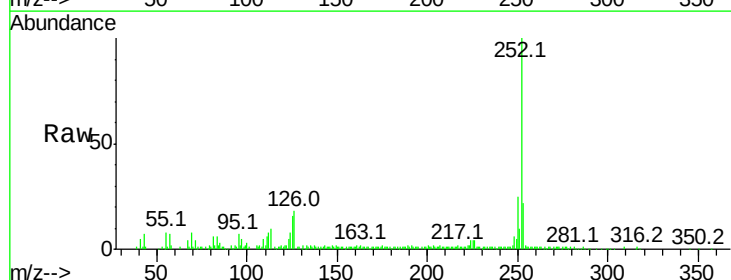
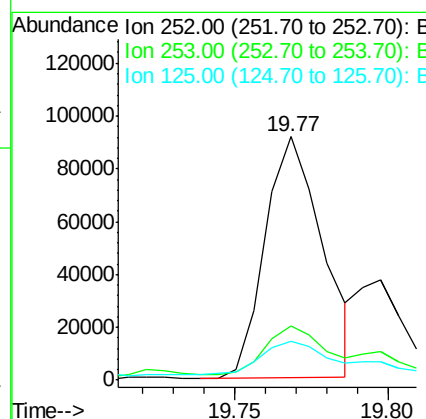
Manual Integrations
APPROVED

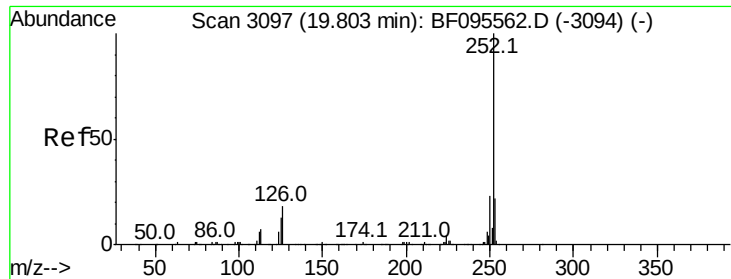
mohammad
6/6/2017 8:49:05 AM



#87
Benzo(b)fluoranthene
Concen: 15.99 ng m
RT: 19.77 min Scan# 3074
Delta R.T. 0.01 min
Lab File: BF095647.D
Acq: 2 Jun 2017 22:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	16.1	9.8	14.8





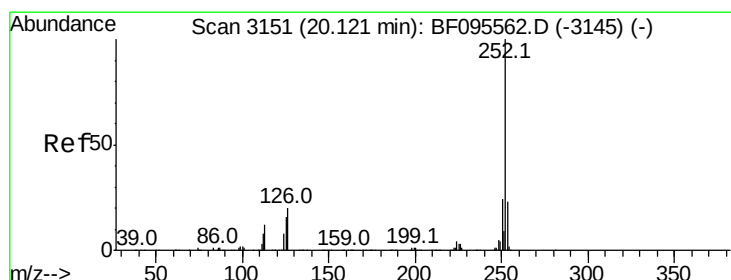
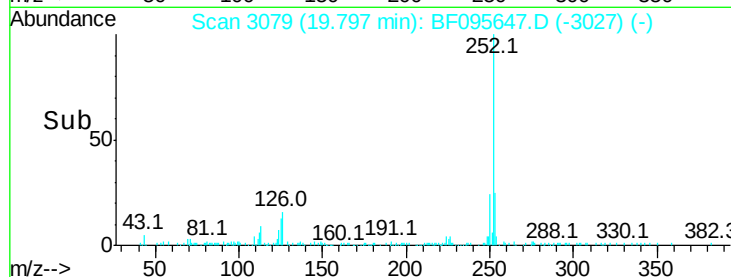
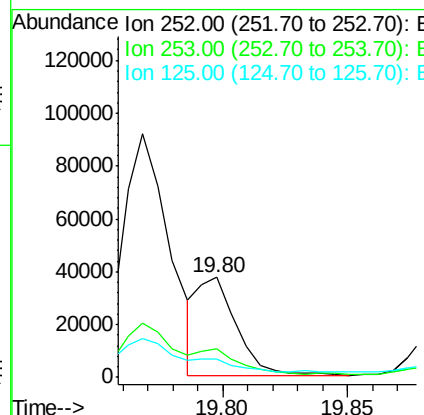
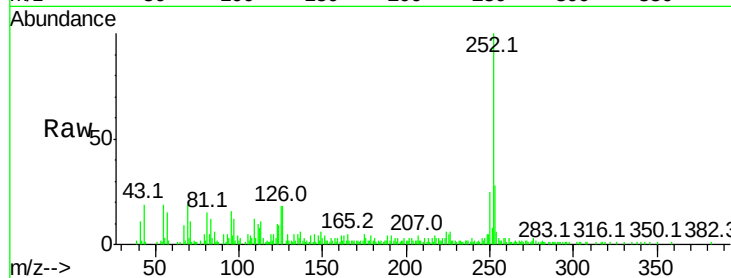
#88
Benzo(k)fluoranthene
Concen: 5.66 ng m
RT: 19.80 min Scan# 3079
Delta R.T. 0.01 min
Lab File: BF095647.D
Acq: 2 Jun 2017 22:13

Instrument :
BNA_F
ClientSampleId :
EO-02-RO-4146-060117

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.2	18.4	27.6#
125	18.3	13.1	19.7

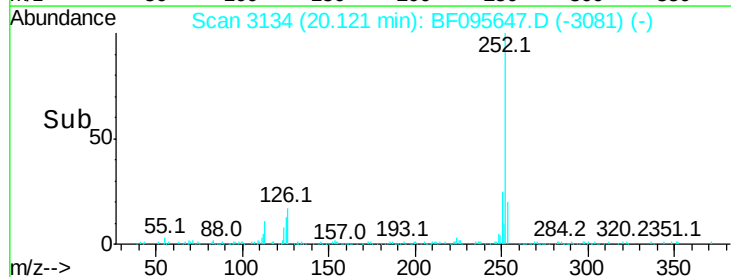
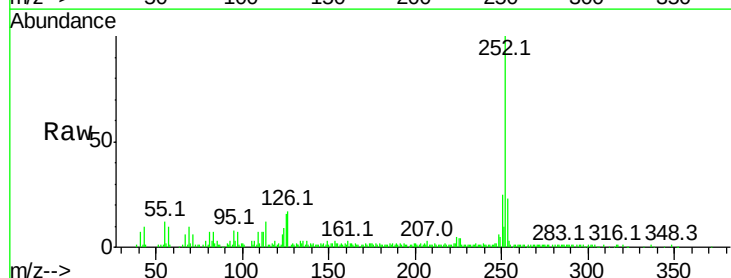
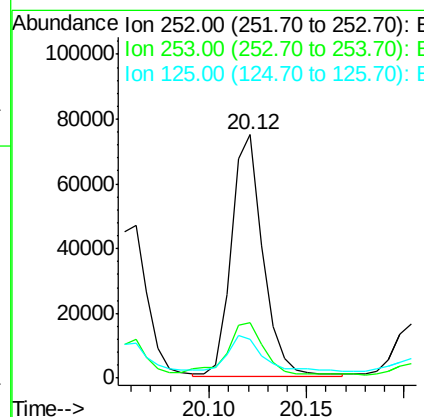
Manual Integrations
APPROVED

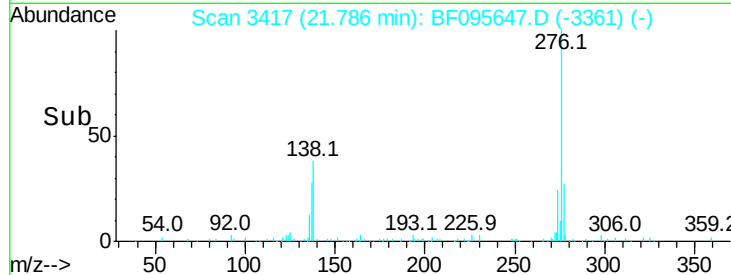
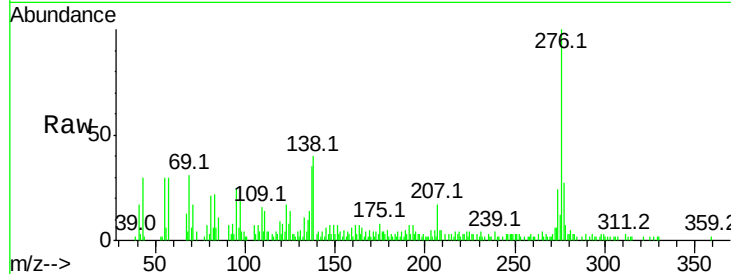
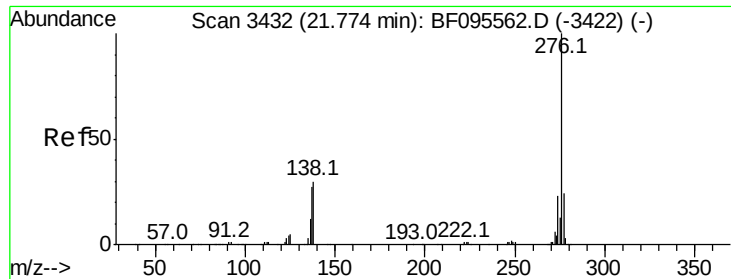
mohammad
6/6/2017 8:49:05 AM



#89
Benzo(a)pyrene
Concen: 12.22 ng
RT: 20.12 min Scan# 3134
Delta R.T. 0.01 min
Lab File: BF095647.D
Acq: 2 Jun 2017 22:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	16.0	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 6.96 ng
 RT: 21.79 min Scan# 3417
 Delta R.T. 0.03 min
 Lab File: BF095647.D
 Acq: 2 Jun 2017 22:13

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-RO-4146-060117

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.1	18.6	28.0
138	39.6	25.4	38.0

Manual Integrations
 APPROVED

mohammad
 6/6/2017 8:49:05 AM

