

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061417\
 Data File : BF095938.D
 Acq On : 14 Jun 2017 23:33
 Operator : SJ/MA
 Sample : I3660-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-351

Manual Integrations
 APPROVED

mohammad
 6/15/2017 3:55:32 PM

Quant Time: Jun 15 02:54:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	69178	20.00	ng	-0.06
21) Naphthalene-d8	9.37	136	281204	20.00	ng	-0.06
38) Acenaphthene-d10	12.19	164	120098	20.00	ng	-0.07
63) Phenanthrene-d10	14.58	188	188177	20.00	ng	-0.06
75) Chrysene-d12	18.30	240	140840	20.00	ng	-0.06
86) Perylene-d12	19.97	264	117369	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	221509	51.02	ng	-0.05
7) Phenol-d6	6.90	99	335925	64.63	ng	-0.05
23) Nitrobenzene-d5	8.25	82	187127	41.33	ng	-0.07
41) 2,4,6-Tribromophenol	13.48	330	113549	106.86	ng	-0.07
44) 2-Fluorobiphenyl	11.15	172	551012	63.85	ng	-0.07
78) Terphenyl-d14	16.96	244	499302	87.98	ng	-0.06
Target Compounds						Qvalue
48) Acenaphthylene	11.96	152	40339	3.05	ng	97
49) Dimethylphthalate	11.85	163	71416	7.83	ng	97
70) Phenanthrene	14.62	178	39078	3.60	ng	99
71) Anthracene	14.72	178	26472m	2.34	ng	
74) Fluoranthene	16.40	202	139399	12.97	ng	97
77) Pyrene	16.70	202	152842	14.54	ng	97
80) Benzo(a)anthracene	18.29	228	101232m	12.36	ng	
82) Chrysene	18.33	228	103388	12.63	ng	98
85) Indeno(1,2,3-cd)pyrene	21.14	276	74364	10.62	ng	# 92
87) Benzo(b)fluoranthene	19.57	252	170502	23.20	ng	98
88) Benzo(k)fluoranthene	19.59	252	55575m	7.91	ng	
89) Benzo(a)pyrene	19.92	252	115842	17.15	ng	97
90) Dibenzo(a,h)anthracene	21.14	278	27206m	4.75	ng	
91) Benzo(g,h,i)perylene	21.47	276	70411	12.05	ng	98

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

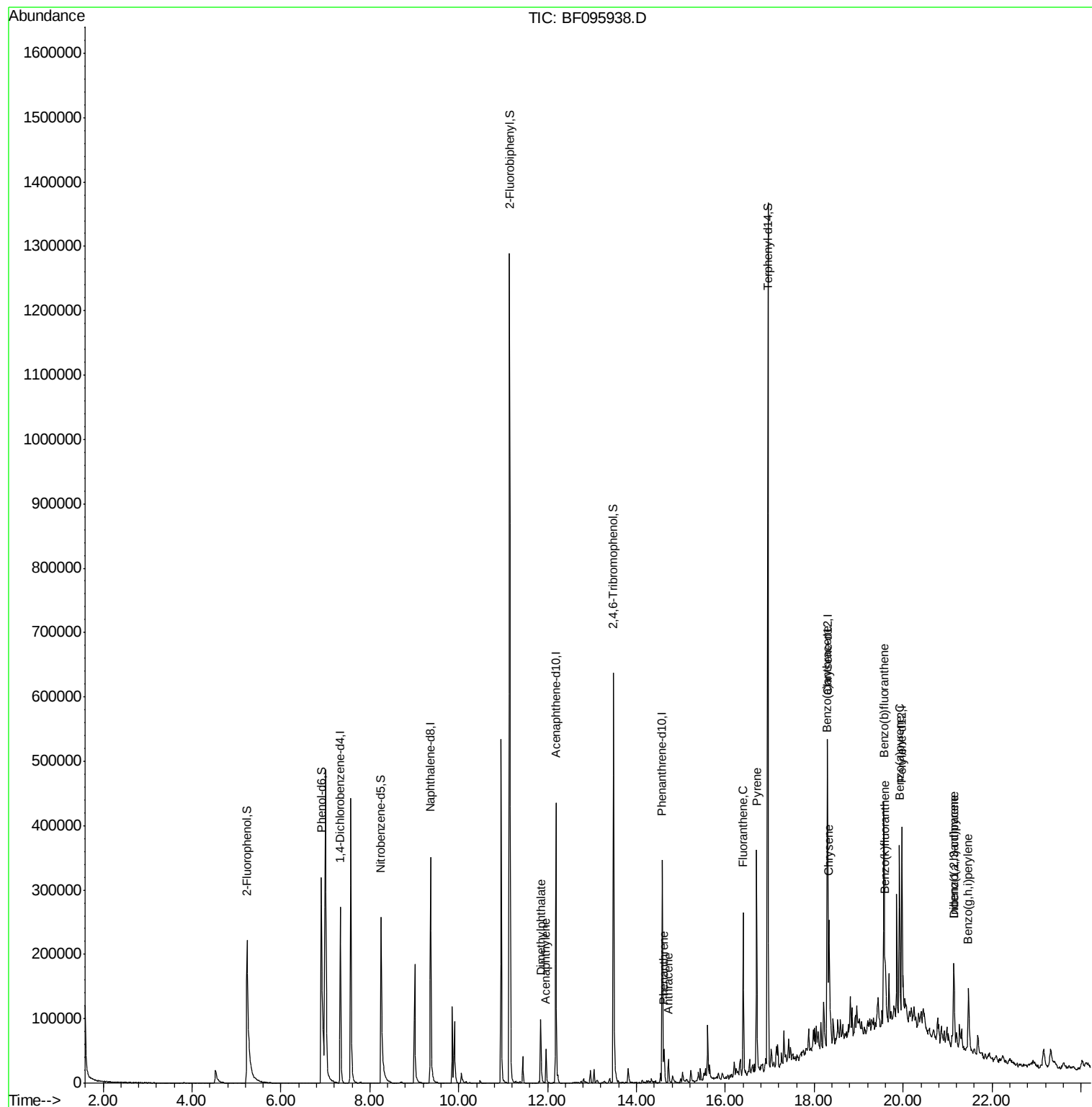
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061417\
Data File : BF095938.D
Acq On : 14 Jun 2017 23:33
Operator : SJ/MA
Sample : I3660-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

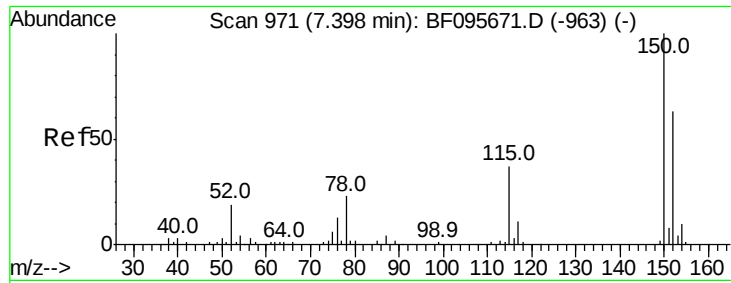
Instrument :
BNA_F
ClientSampleId :
RO-351

Manual Integrations
APPROVED

mohammad
6/15/2017 3:55:32 PM

Quant Time: Jun 15 02:54:51 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 05 16:15:31 2017
Response via : Initial Calibration





#1

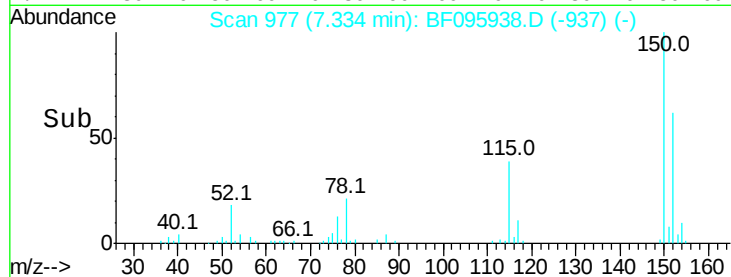
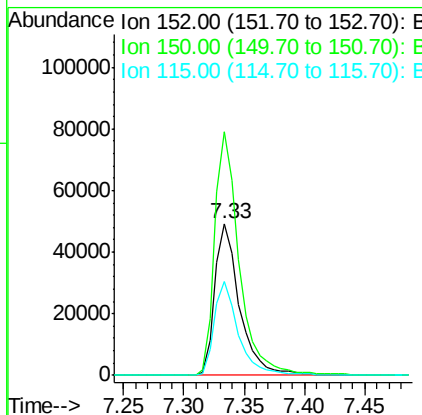
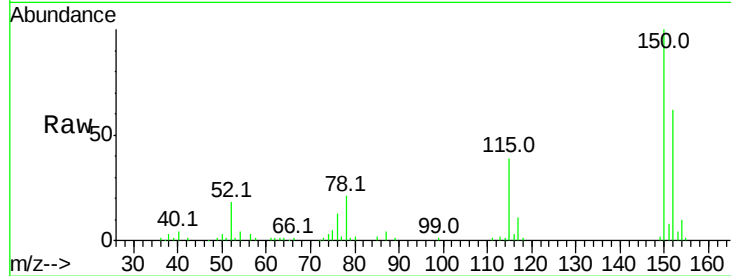
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.33 min Scan# 977
 Delta R.T. -0.06 min
 Lab File: BF095938.D
 Acq: 14 Jun 2017 23:33

Instrument :
 BNA_F
 ClientSampled :
 RO-351

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.6	126.2	189.2
115	62.0	52.2	78.2

Manual Integrations
 APPROVED

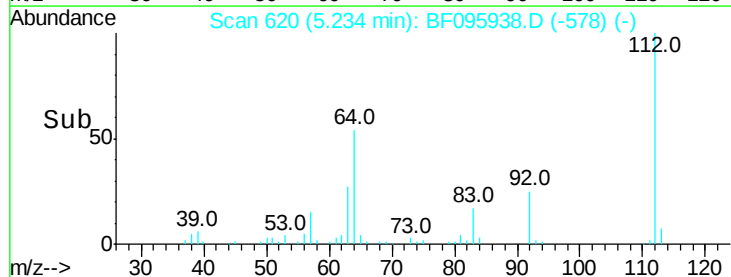
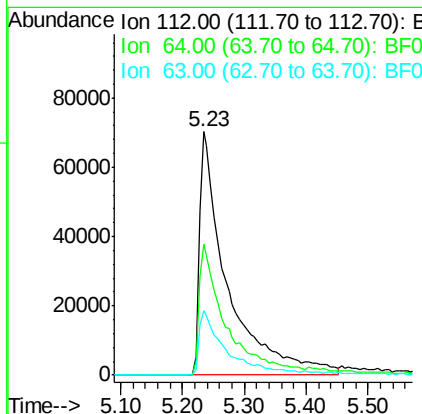
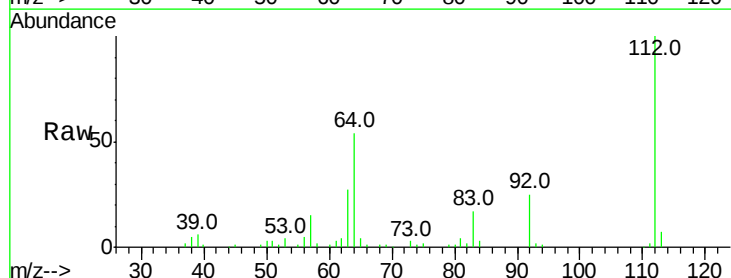
mohammad
 6/15/2017 3:55:32 PM



#5

2-Fluorophenol
 Concen: 51.02 ng
 RT: 5.23 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF095938.D
 Acq: 14 Jun 2017 23:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	46.0	69.0
63	26.6	23.4	35.0





#7

Phenol-d6

Concen: 64.63 ng

RT: 6.90 min Scan# 904

Delta R.T. -0.05 min

Lab File: BF095938.D

Acq: 14 Jun 2017 23:33

Instrument :

BNA_F

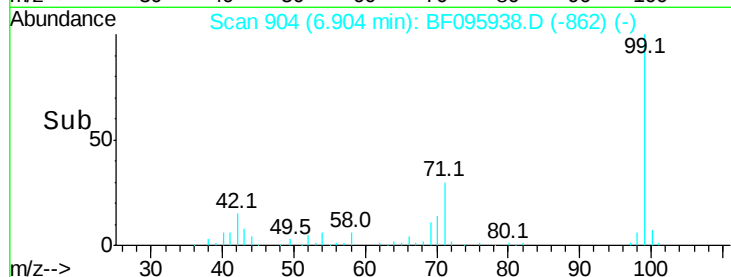
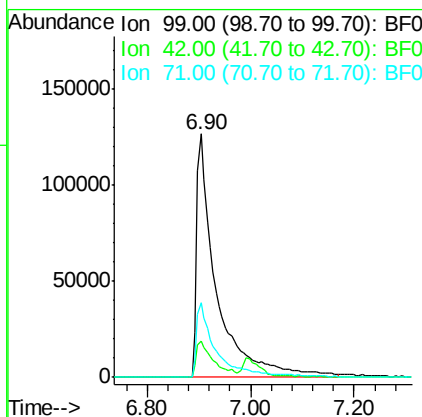
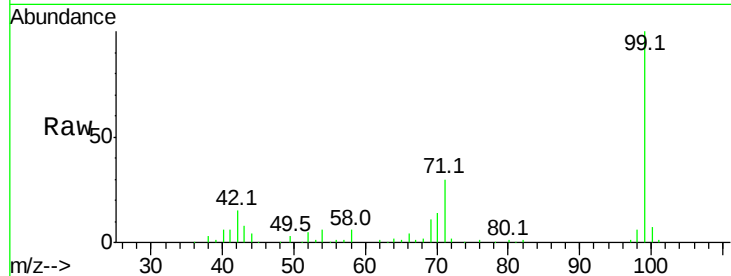
ClientSampleId :

RO-351

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		335925		
42	15.1	13.5	20.3		
71	30.5	24.5	36.7		

Manual Integrations
APPROVED

mohammad
6/15/2017 3:55:32 PM



#21

Naphthalene-d8

Concen: 20.00 ng

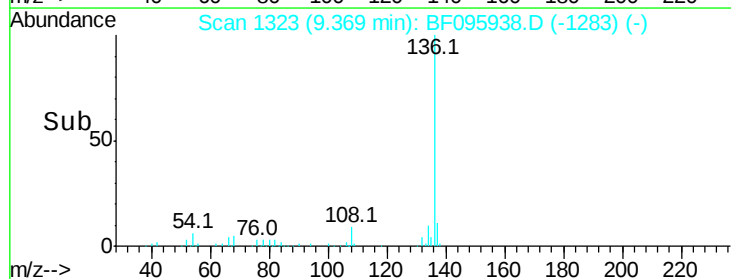
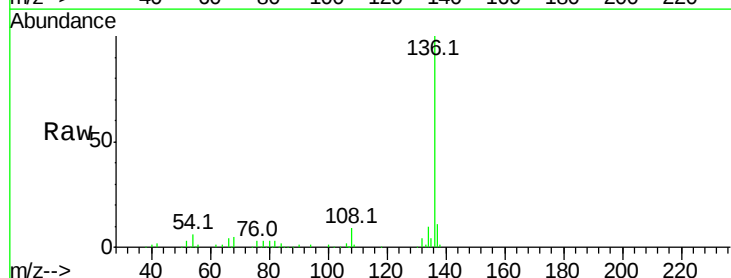
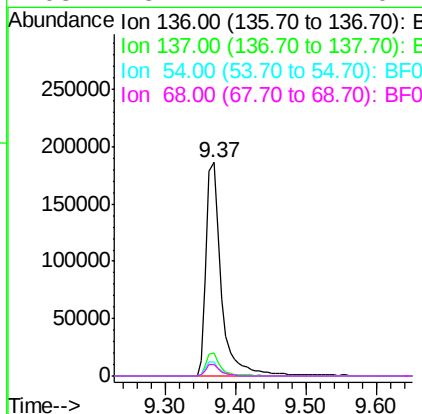
RT: 9.37 min Scan# 1323

Delta R.T. -0.06 min

Lab File: BF095938.D

Acq: 14 Jun 2017 23:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		281204		
137	10.9	8.5	12.7		
54	6.4	4.9	7.3		
68	5.4	4.1	6.1		





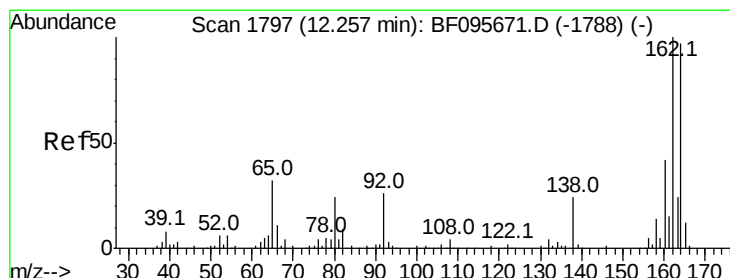
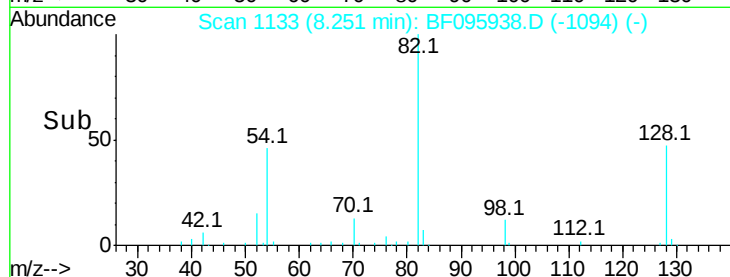
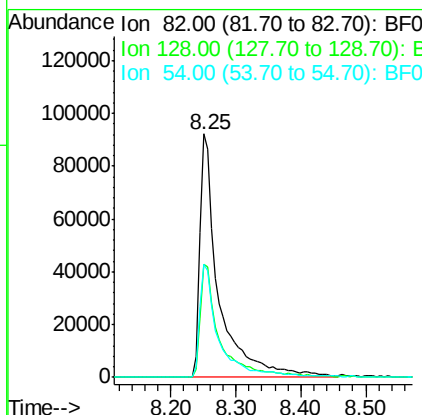
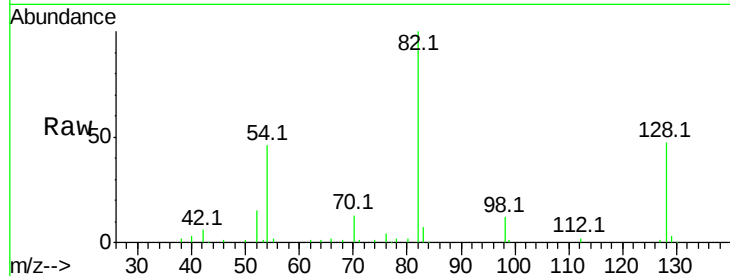
#23
Nitrobenzene-d5
Concen: 41.33 ng
RT: 8.25 min Scan# 1133
Delta R.T. -0.07 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Instrument :
BNA_F
ClientSampleId :
RO-351

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.6	34.0	51.0
54	46.4	42.2	63.2

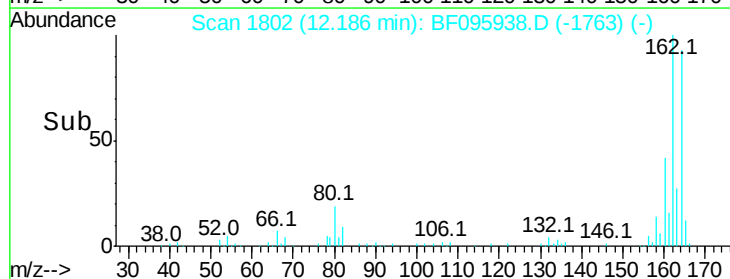
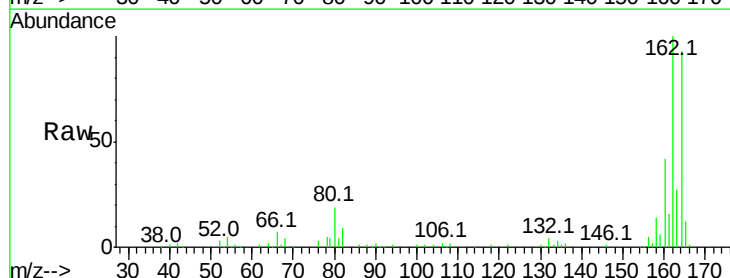
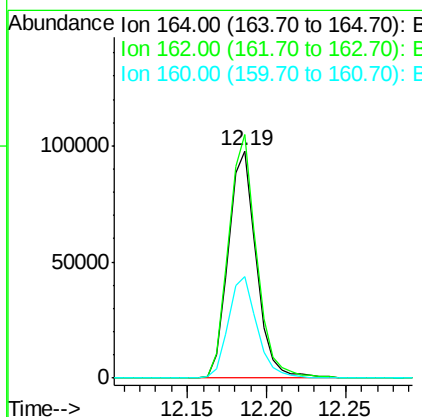
Manual Integrations
APPROVED

mohammad
6/15/2017 3:55:32 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.19 min Scan# 1802
Delta R.T. -0.07 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.3	82.6	123.8
160	44.7	36.2	54.2





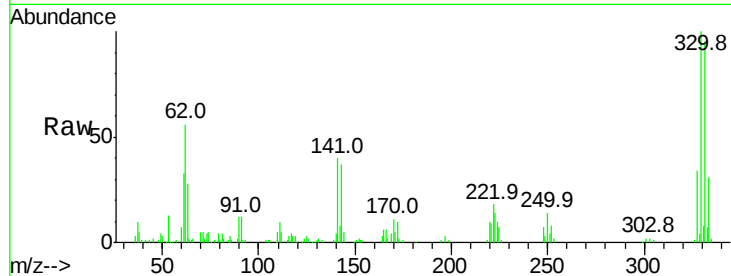
#41
 2,4,6-Tribromophenol
 Concen: 106.86 ng
 RT: 13.48 min Scan# 2022
 Delta R.T. -0.07 min
 Lab File: BF095938.D
 Acq: 14 Jun 2017 23:33

Instrument :
 BNA_F
 ClientSampled :
 RO-351

Tot Ion	Ratio	Resp	Lower	Upper
330	100	113549		
332	96.3	76.6	115.0	
141	38.4	31.4	47.2	

Manual Integrations
 APPROVED

mohammad
 6/15/2017 3:55:32 PM

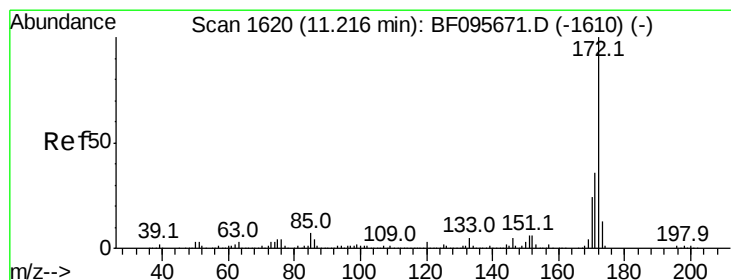
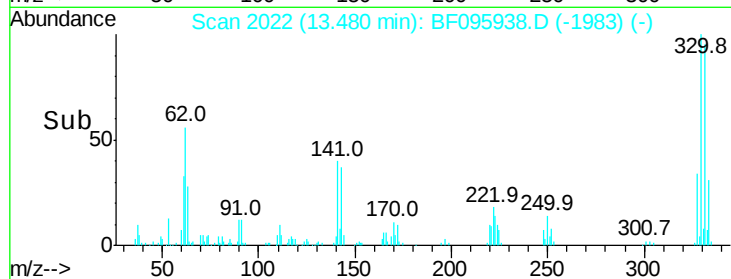
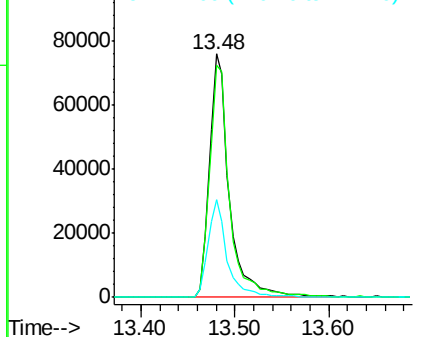


Abundance

Ion 329.80 (329.50 to 330.50): E

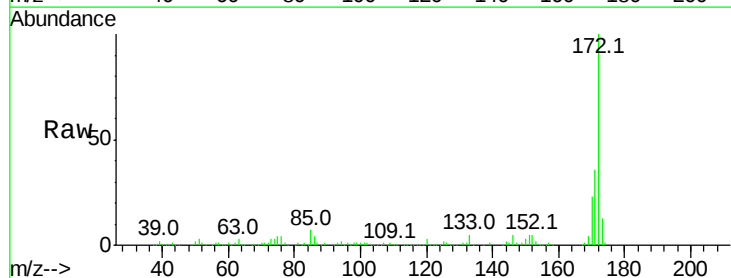
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 63.85 ng
 RT: 11.15 min Scan# 1625
 Delta R.T. -0.07 min
 Lab File: BF095938.D
 Acq: 14 Jun 2017 23:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	551012		
171	36.1	29.6	44.4	
170	23.3	19.8	29.8	

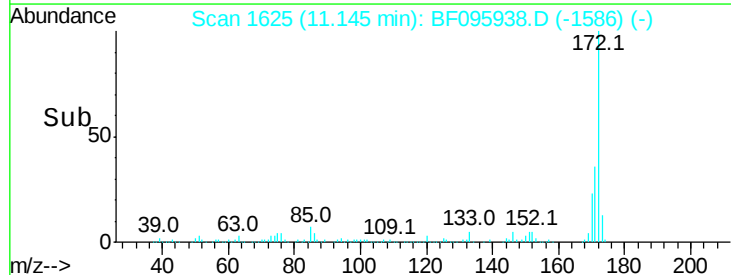
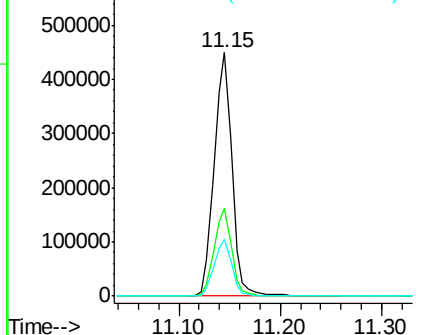


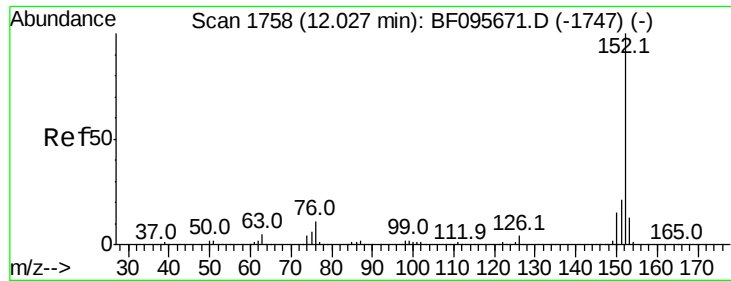
Abundance

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





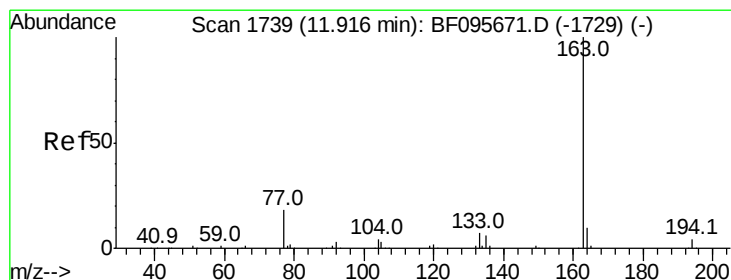
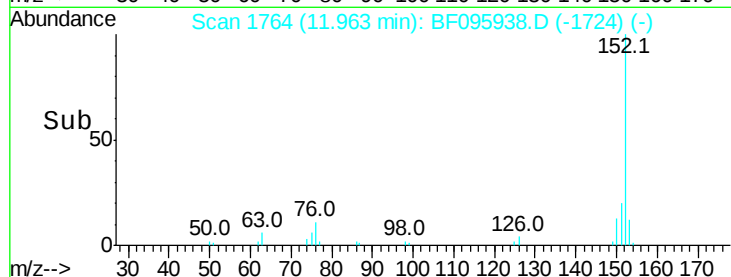
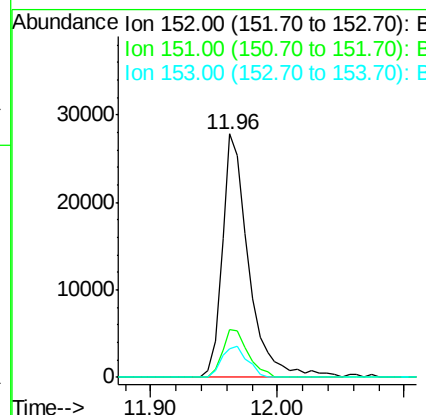
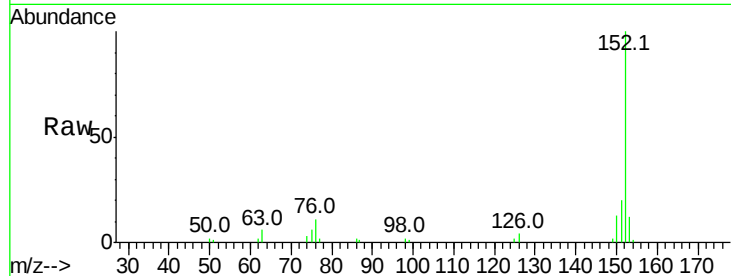
#48
Acenaphthylene
Concen: 3.05 ng
RT: 11.96 min Scan# 1764
Delta R.T. -0.06 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Instrument :
BNA_F
ClientSampled :
RO-351

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.8	25.2
153	11.9	10.8	16.2

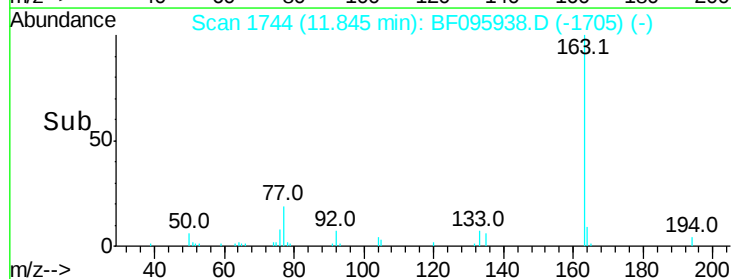
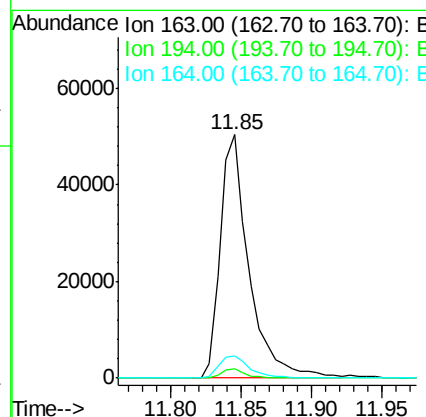
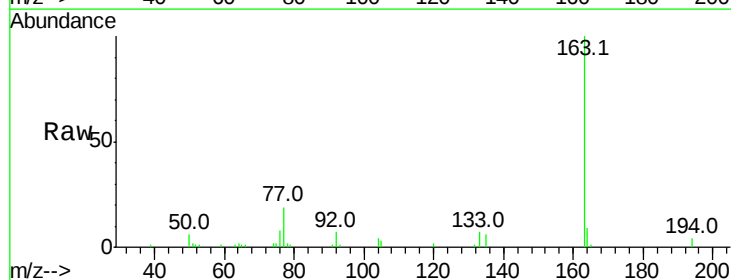
Manual Integrations
APPROVED

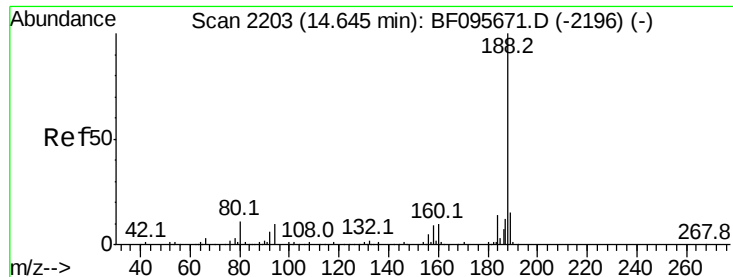
mohammad
6/15/2017 3:55:32 PM



#49
Dimethylphthalate
Concen: 7.83 ng
RT: 11.85 min Scan# 1744
Delta R.T. -0.07 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.6	4.0
164	9.1	8.4	12.6





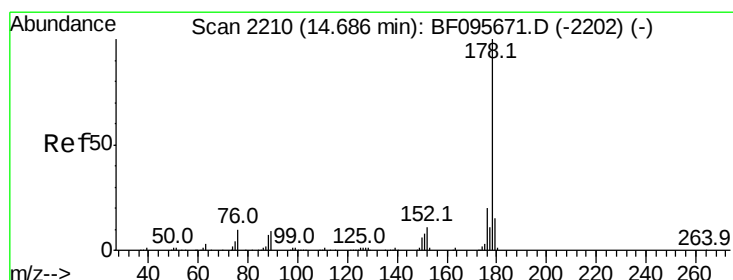
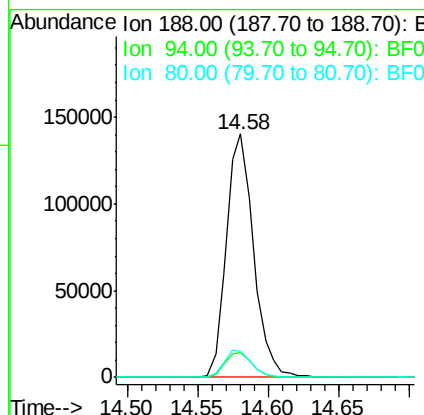
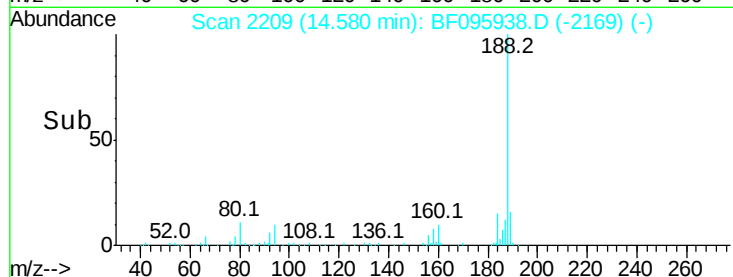
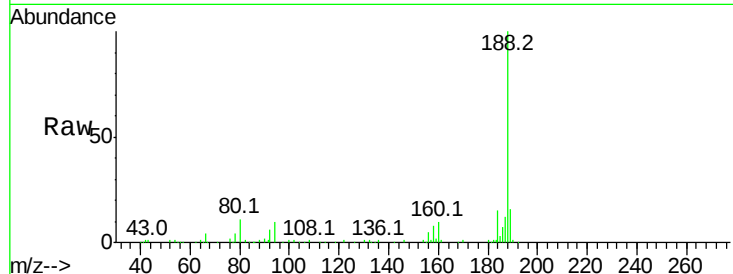
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.58 min Scan# 2209
Delta R.T. -0.06 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Instrument :
BNA_F
ClientSampleId :
RO-351

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.9	9.4	14.2
80	10.7	10.2	15.2

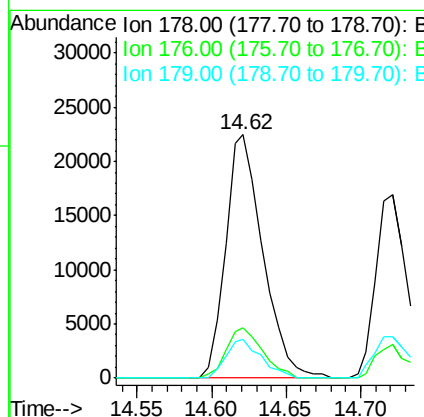
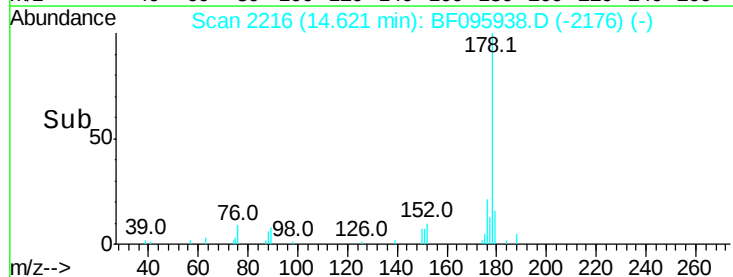
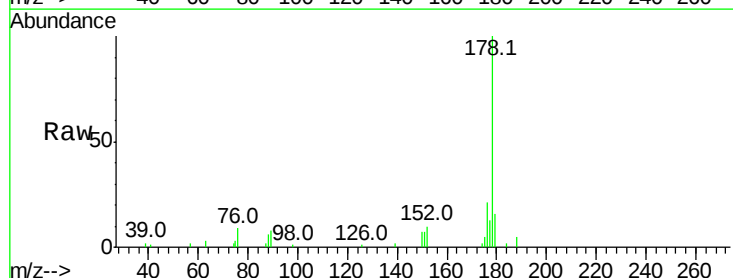
Manual Integrations
APPROVED

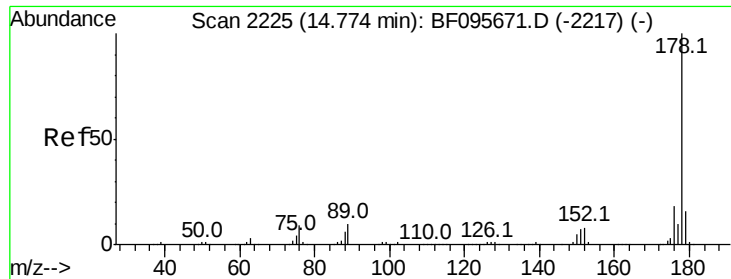
mohammad
6/15/2017 3:55:32 PM



#70
Phenanthrene
Concen: 3.60 ng
RT: 14.62 min Scan# 2216
Delta R.T. -0.06 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.5	16.2	24.4
179	16.1	12.6	19.0





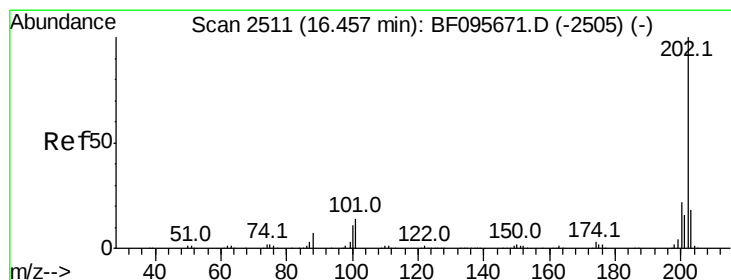
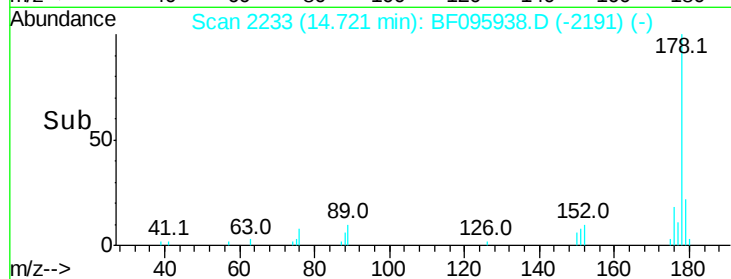
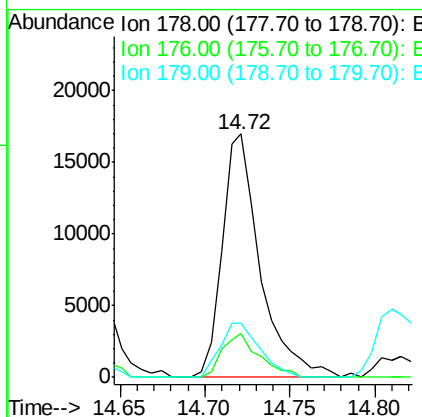
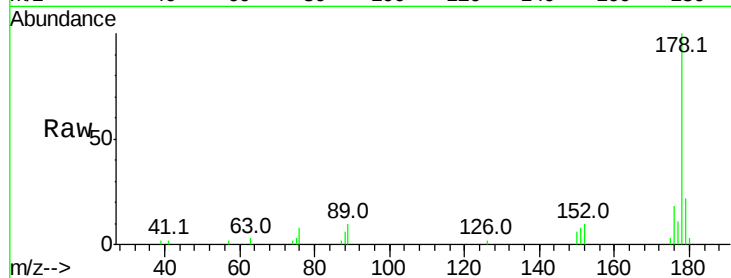
#71
 Anthracene
 Concen: 2.34 ng/mL
 RT: 14.72 min Scan# 2233
 Delta R.T. -0.05 min
 Lab File: BF095938.D
 Acq: 14 Jun 2017 23:33

Instrument :
 BNA_F
 ClientSampleId :
 RO-351

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.8
179	22.3	12.7	19.1

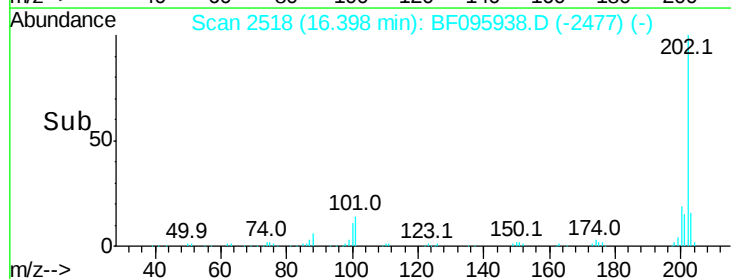
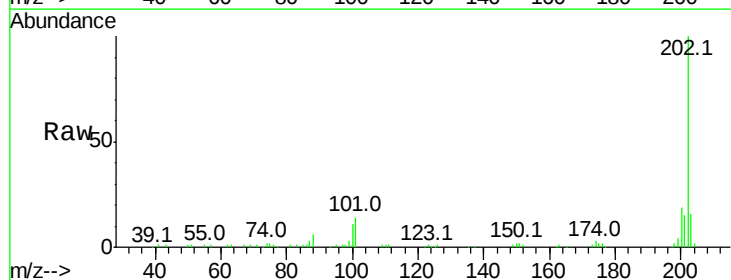
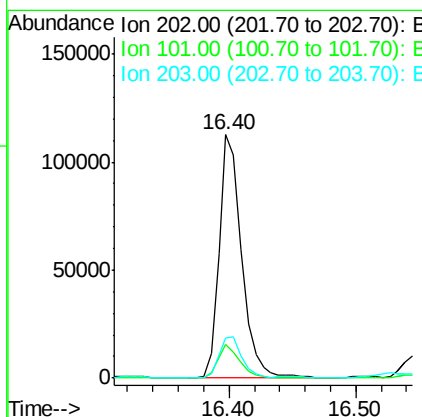
Manual Integrations
 APPROVED

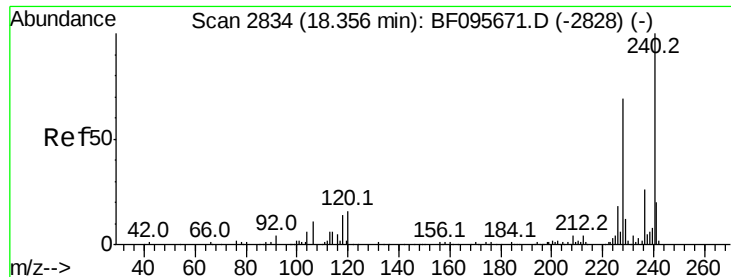
mohammad
 6/15/2017 3:55:32 PM



#74
 Fluoranthene
 Concen: 12.97 ng/mL
 RT: 16.40 min Scan# 2518
 Delta R.T. -0.06 min
 Lab File: BF095938.D
 Acq: 14 Jun 2017 23:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	33.2
203	16.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.30 min Scan# 2841

Delta R.T. -0.06 min

Lab File: BF095938.D

Acq: 14 Jun 2017 23:33

Instrument :

BNA_F

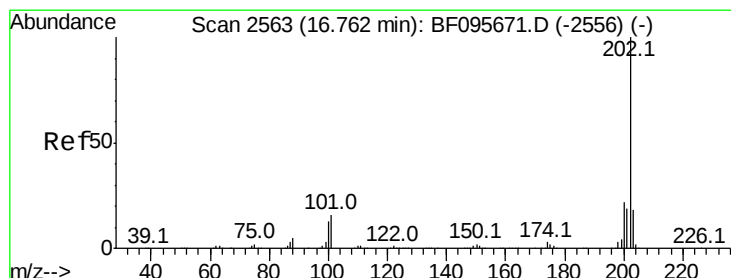
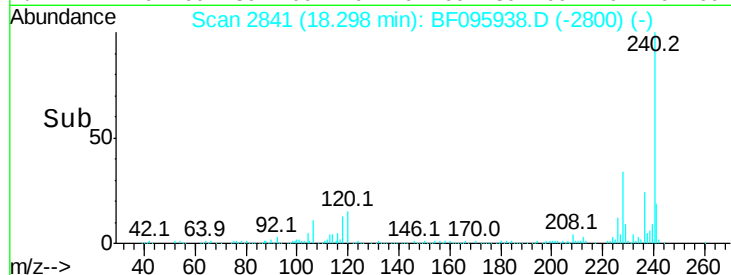
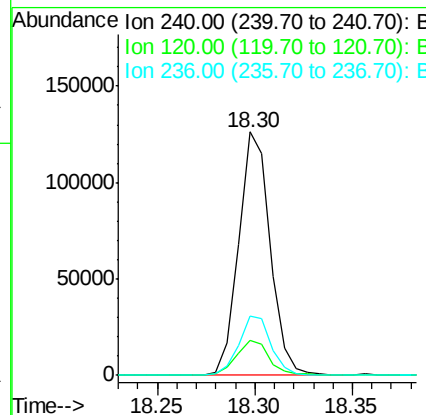
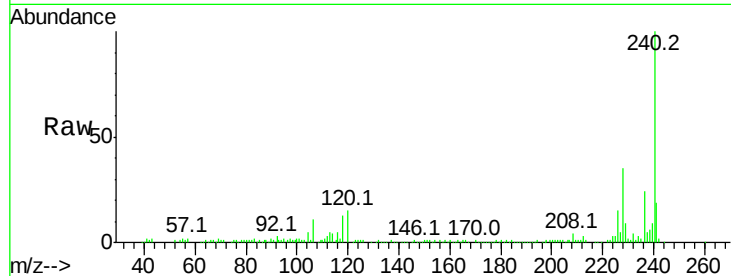
ClientSampleId :

RO-351

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.5	5.8	8.8#
236	24.2	20.5	30.7

Manual Integrations
APPROVED

mohammad
6/15/2017 3:55:32 PM



#77

Pyrene

Concen: 14.54 ng

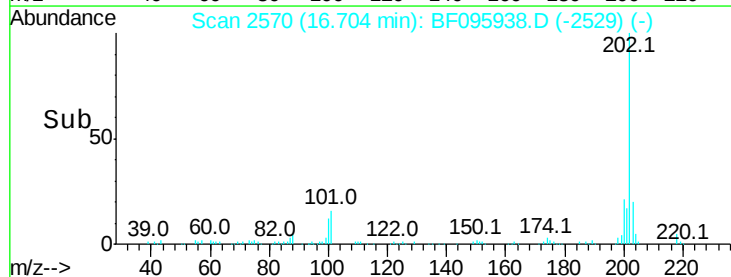
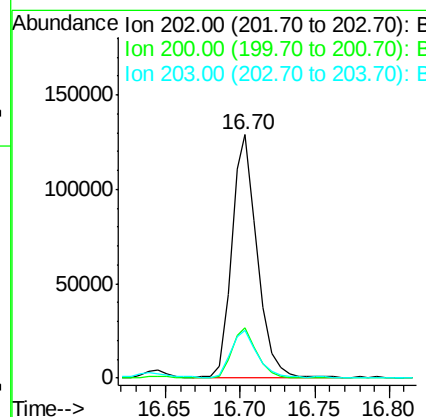
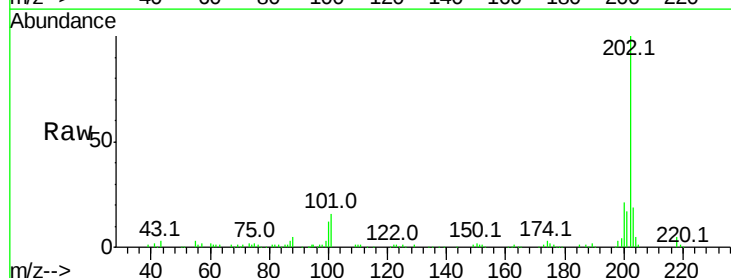
RT: 16.70 min Scan# 2570

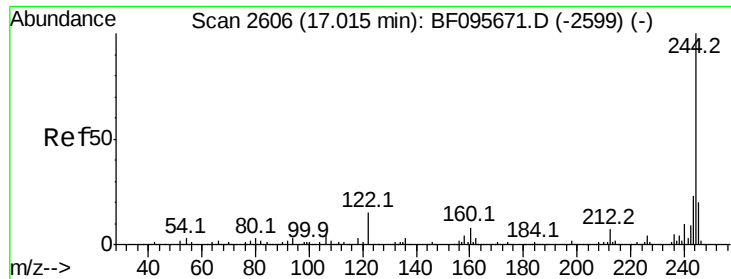
Delta R.T. -0.06 min

Lab File: BF095938.D

Acq: 14 Jun 2017 23:33

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.6	26.4
203	19.5	14.4	21.6





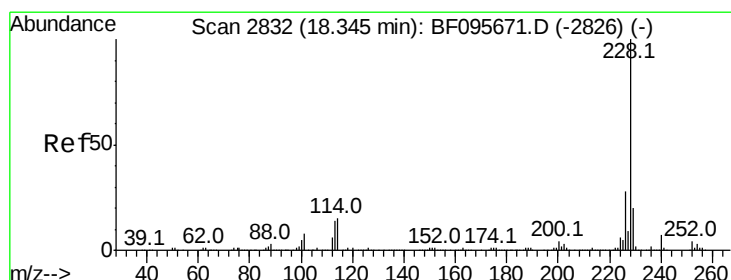
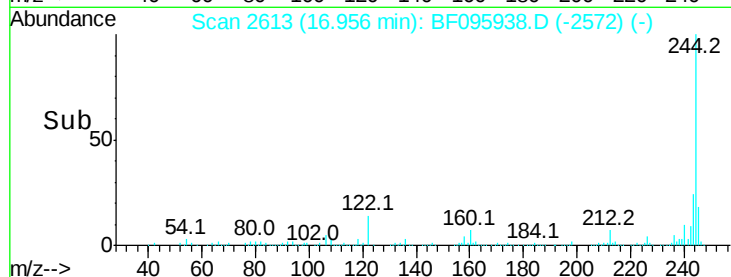
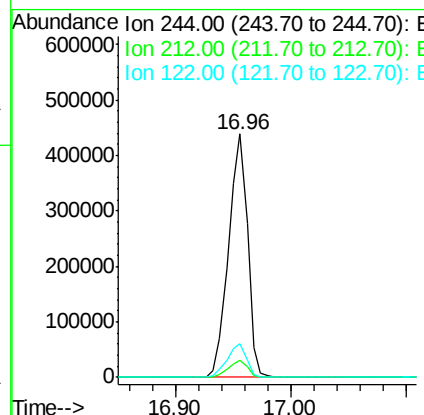
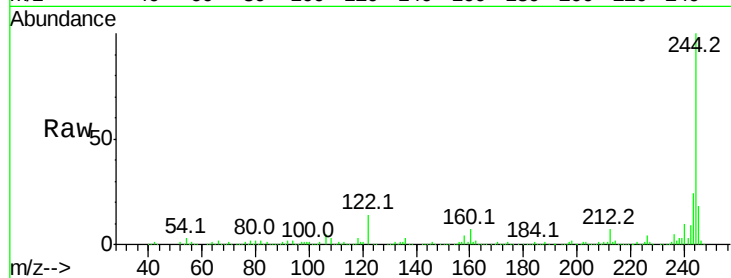
#78
 Terphenyl-d14
 Concen: 87.98 ng
 RT: 16.96 min Scan# 2613
 Delta R.T. -0.06 min
 Lab File: BF095938.D
 Acq: 14 Jun 2017 23:33

Instrument :
 BNA_F
 ClientSampled :
 RO-351

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	13.7	10.3	15.5

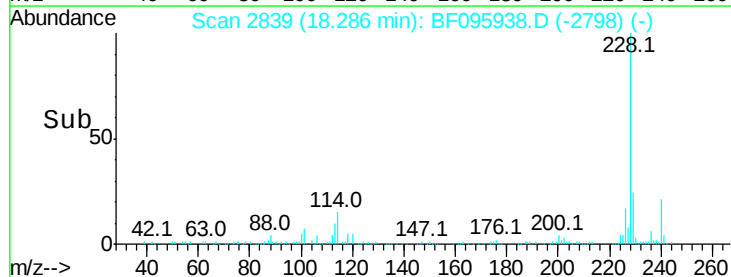
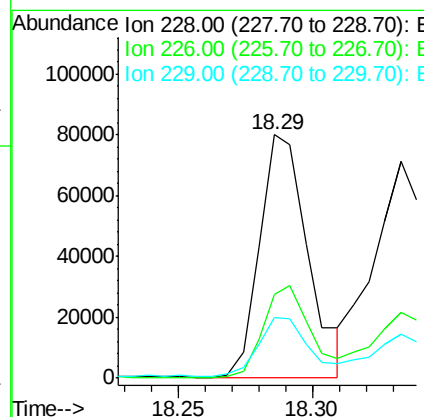
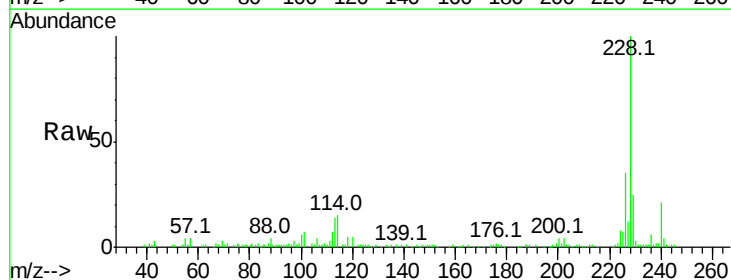
Manual Integrations
 APPROVED

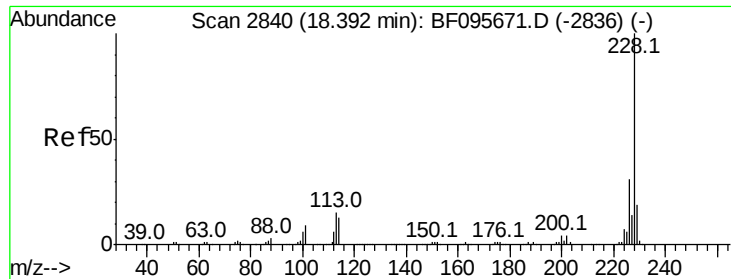
mohammad
 6/15/2017 3:55:32 PM



#80
 Benzo(a)anthracene
 Concen: 12.36 ng m
 RT: 18.29 min Scan# 2839
 Delta R.T. -0.06 min
 Lab File: BF095938.D
 Acq: 14 Jun 2017 23:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.5	22.6	33.8#
229	24.8	16.3	24.5#





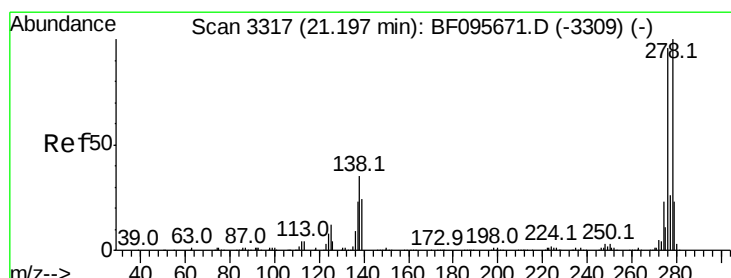
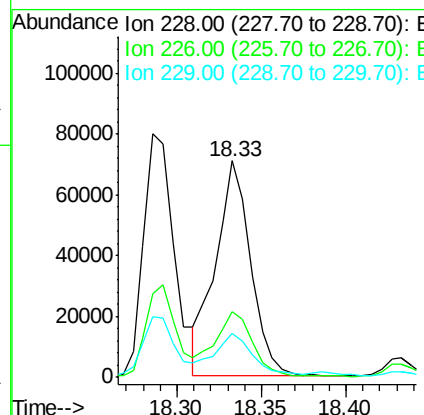
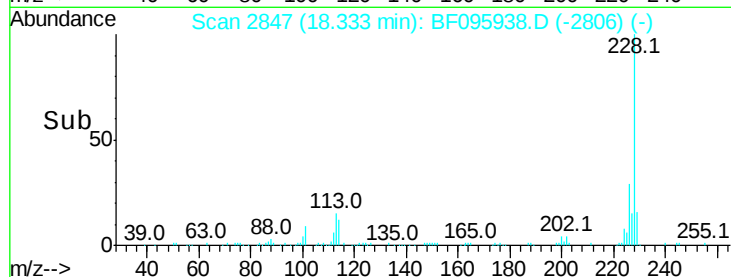
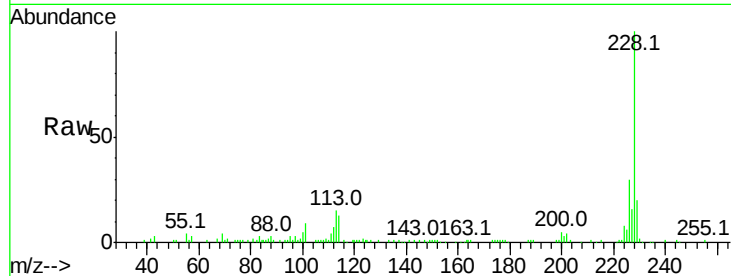
#82
Chrysene
Concen: 12.63 ng
RT: 18.33 min Scan# 2847
Delta R.T. -0.06 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Instrument :
BNA_F
ClientSampleId :
RO-351

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	20.3	15.8	23.6

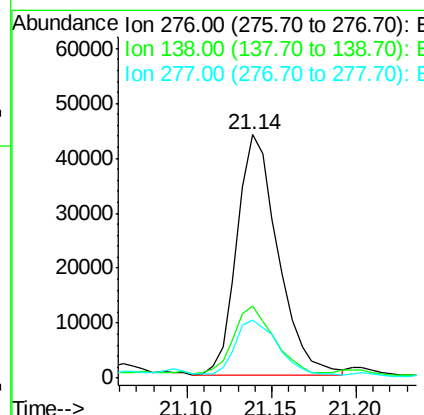
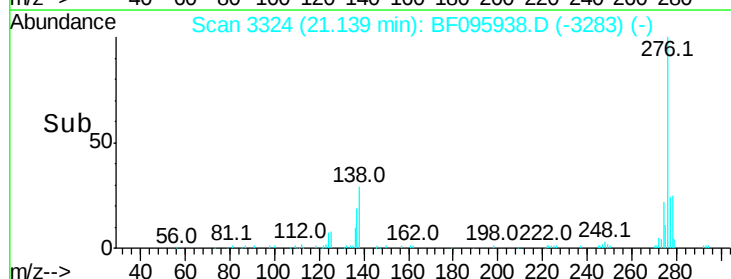
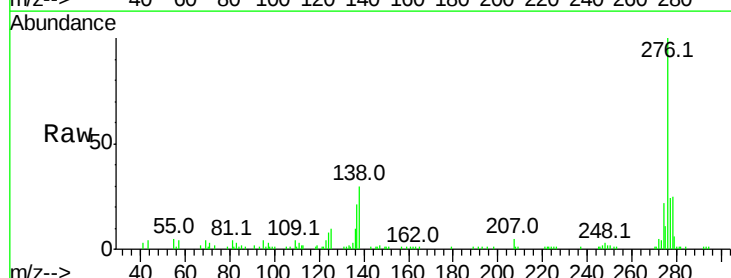
Manual Integrations
APPROVED

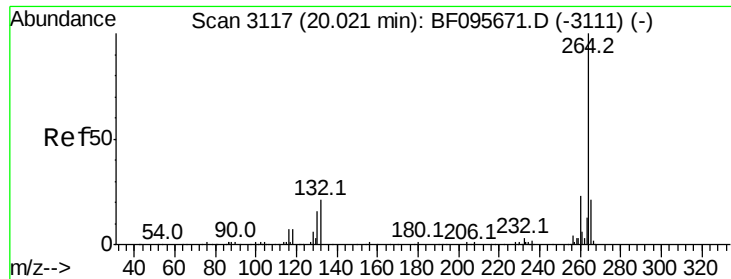
mohammad
6/15/2017 3:55:32 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 10.62 ng
RT: 21.14 min Scan# 3324
Delta R.T. -0.06 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.1	27.8	41.6#
277	25.2	20.2	30.4





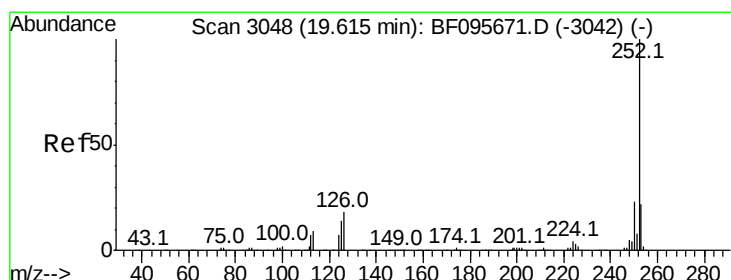
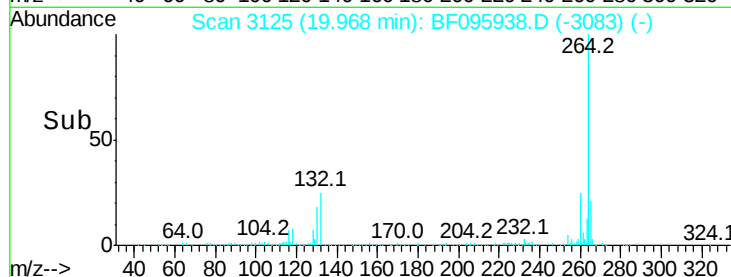
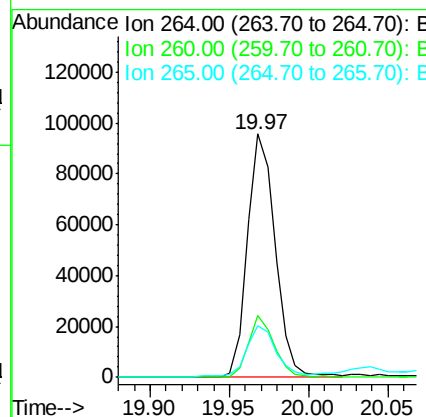
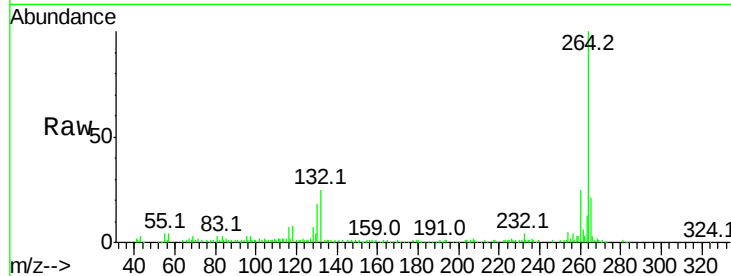
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.97 min Scan# 3125
Delta R.T. -0.05 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Instrument :
BNA_F
ClientSampleId :
RO-351

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.5	29.3
265	21.2	17.2	25.8

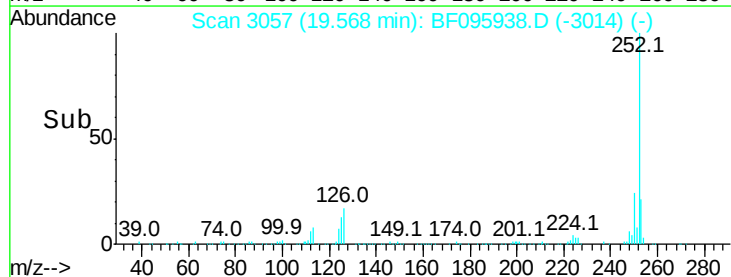
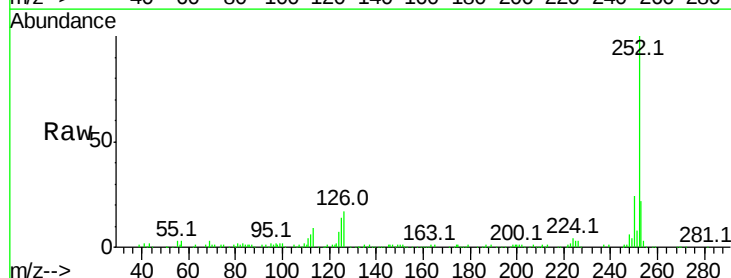
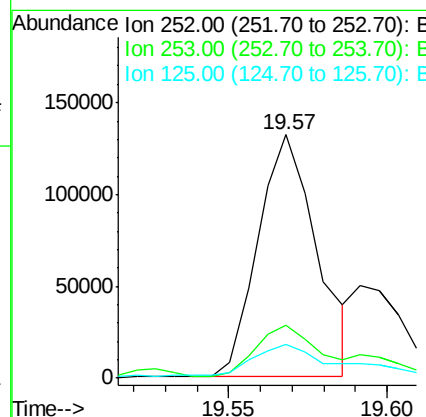
Manual Integrations
APPROVED

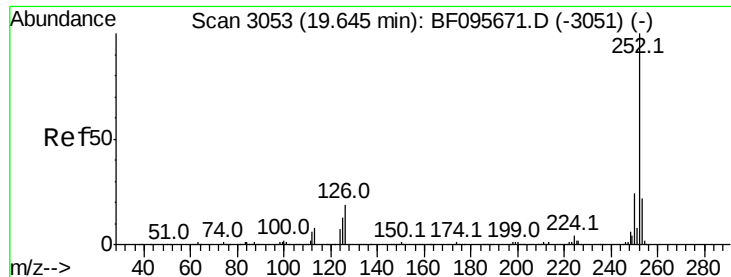
mohammad
6/15/2017 3:55:32 PM



#87
Benzo(b)fluoranthene
Concen: 23.20 ng
RT: 19.57 min Scan# 3057
Delta R.T. -0.05 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	13.9	9.8	14.8





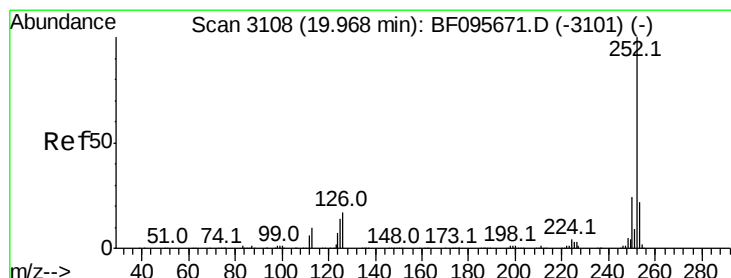
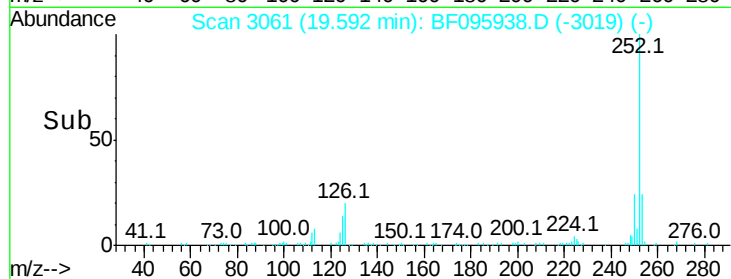
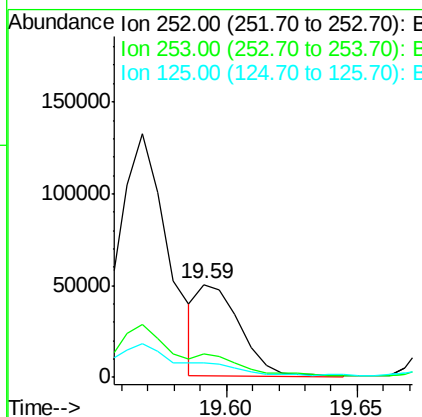
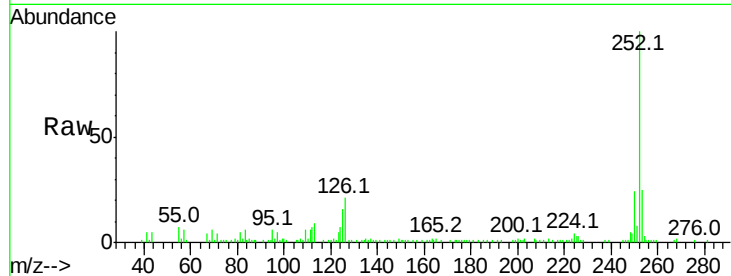
#88
Benzo(k)fluoranthene
Concen: 7.91 ng m
RT: 19.59 min Scan# 3061
Delta R.T. -0.05 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Instrument :
BNA_F
ClientSampleId :
RO-351

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.4	27.6
125	16.2	13.1	19.7

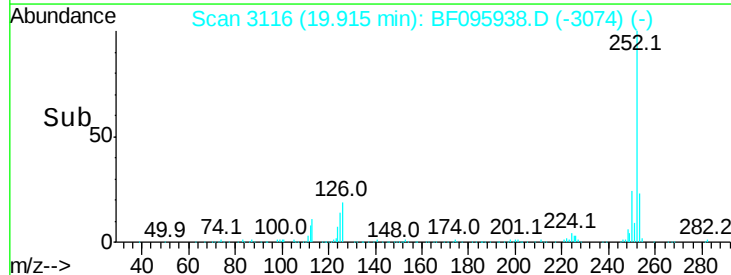
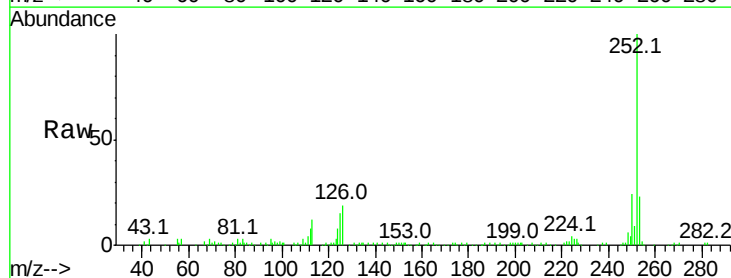
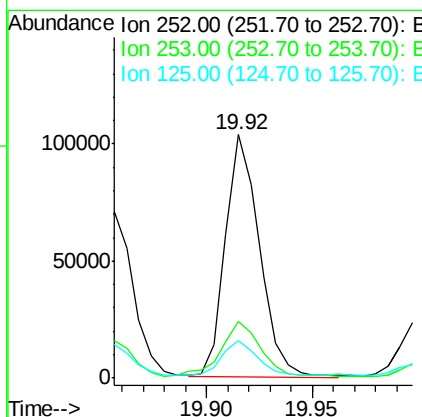
Manual Integrations
APPROVED

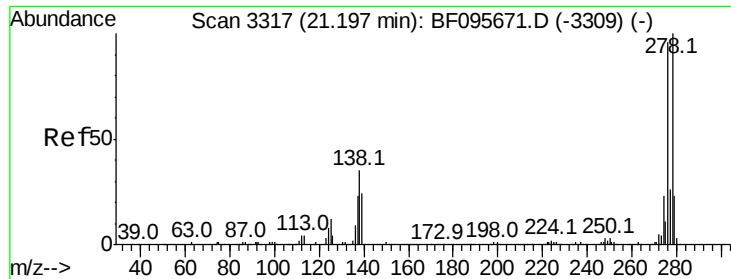
mohammad
6/15/2017 3:55:32 PM



#89
Benzo(a)pyrene
Concen: 17.15 ng
RT: 19.92 min Scan# 3116
Delta R.T. -0.05 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	15.4	11.0	16.4





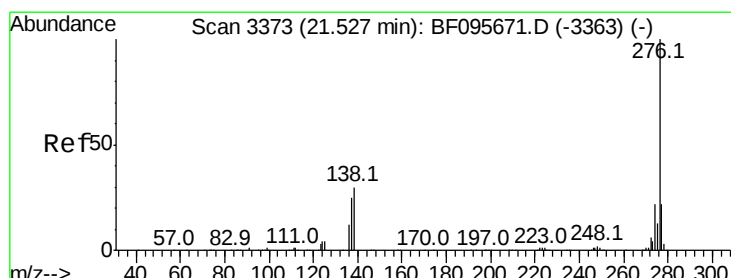
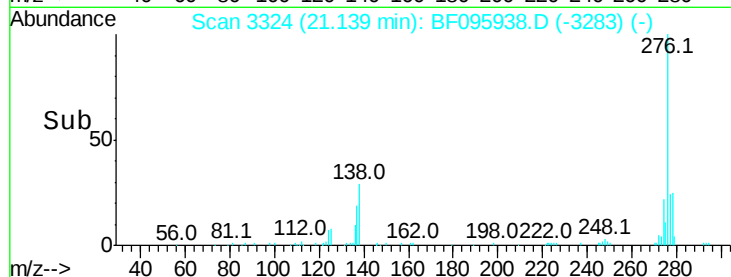
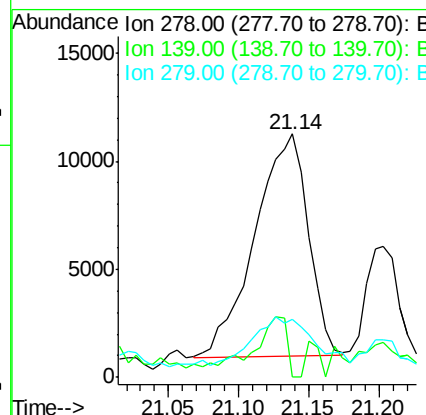
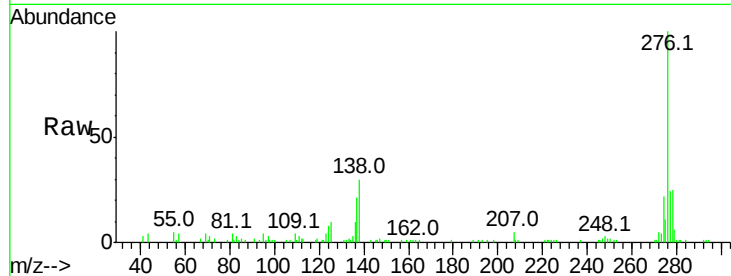
#90
Dibenzo(a,h)anthracene
Concen: 4.75 ng/mL
RT: 21.14 min Scan# 3324
Delta R.T. -0.06 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Instrument :
BNA_F
ClientSampled :
RO-351

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8
279	23.6	19.3	28.9

Manual Integrations
APPROVED

mohammad
6/15/2017 3:55:32 PM



#91
Benzo(g,h,i)perylene
Concen: 12.05 ng/mL
RT: 21.47 min Scan# 3380
Delta R.T. -0.06 min
Lab File: BF095938.D
Acq: 14 Jun 2017 23:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	28.0
138	30.8	25.4	38.0

