

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012417\
 Data File : BE092679.D
 Acq On : 24 Jan 2017 23:33
 Operator : UM/SJ
 Sample : I1378-09 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RVE-10

Manual Integrations
 APPROVED

mohammad
 1/25/2017 4:53:34 PM

Quant Time: Jan 25 13:51:42 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE011617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 10:14:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	11153	5.00	ng	0.00
7) Naphthalene-d8	10.91	136	55735	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	37712	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	78429	5.00	ng	0.00
24) Chrysene-d12	21.72	240	82443	5.00	ng	0.00
31) Perylene-d12	24.07	264	81037	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.65	112	1963	0.79	ng	0.00
5) Phenol-d6	7.34	99	2438	0.80	ng	0.00
8) Nitrobenzene-d5	9.36	82	940	0.26	ng	0.02
13) 2,4,6-Tribromophenol	16.31	330	592	0.65	ng	0.01
14) 2-Fluorobiphenyl	13.42	172	3402	0.37	ng	0.00
26) Terphenyl-d14	20.16	244	4644	0.40	ng	0.00
Target Compounds						
9) Naphthalene	10.97	128	587	0.05	ng	# 62
15) Acenaphthylene	14.51	152	2478	0.05	ng	99
16) Acenaphthene	14.85	154	411	0.05	ng	# 83
17) Fluorene	15.86	166	592	0.06	ng	98
21) Phenanthrene	17.58	178	4705	0.27	ng	96
22) Anthracene	17.67	178	1422m	0.09	ng	
23) Fluoranthene	19.58	202	25376	0.33	ng	99
25) Pyrene	19.93	202	22394	0.28	ng	# 90
27) Benzo(a)anthracene	21.70	228	12292m	0.15	ng	
28) Chrysene	21.75	228	9759m	0.11	ng	
30) Indeno(1,2,3-cd)pyrene	26.55	276	6081	0.06	ng	95
32) Benzo(b)fluoranthene	23.35	252	3122m	0.16	ng	
33) Benzo(k)fluoranthene	23.38	252	1259m	0.06	ng	
34) Benzo(a)pyrene	23.95	252	2368	0.13	ng	# 69
36) Benzo(a,h,i)perylene	27.31	276	6845	0.09	ng	# 75

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

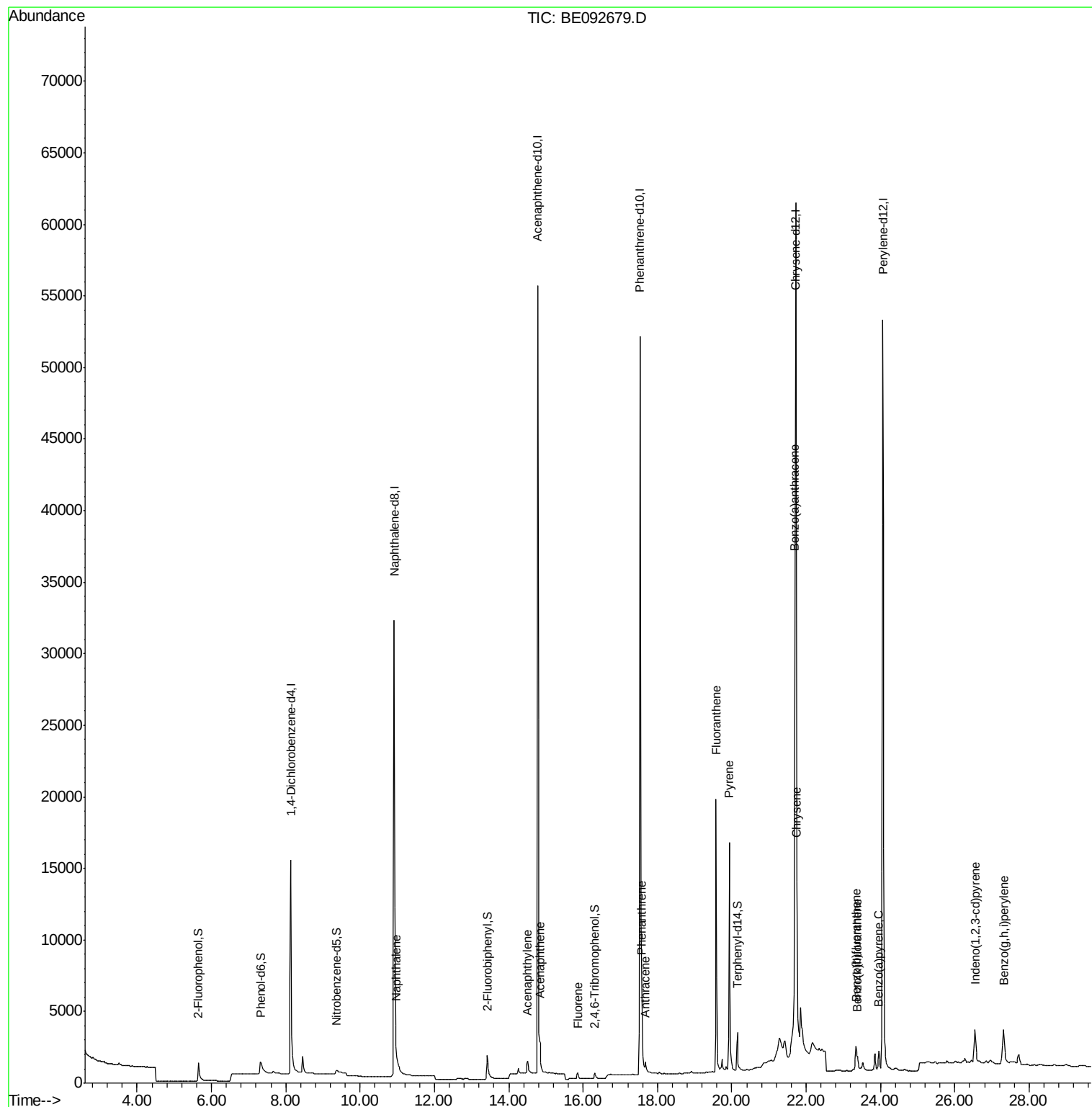
Data Path : Z:\HPCHEM1\BNA E\DATA\BE012417\
Data File : BE092679.D
Acq On : 24 Jan 2017 23:33
Operator : UM/SJ
Sample : I1378-09 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

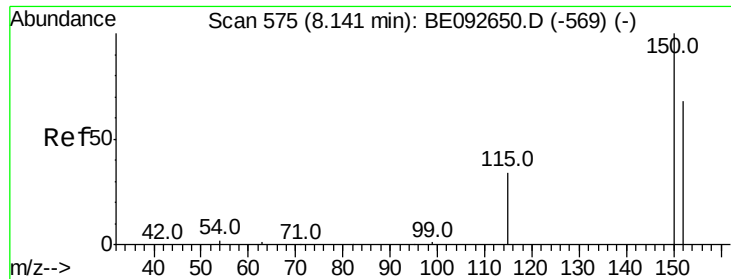
Instrument :
BNA_E
ClientSampleId :
RVE-10

Manual Integrations
APPROVED

mohammad
1/25/2017 4:53:34 PM

Quant Time: Jan 25 13:51:42 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE011617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 17 10:14:01 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. 0.00 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

Instrument :

BNA_E

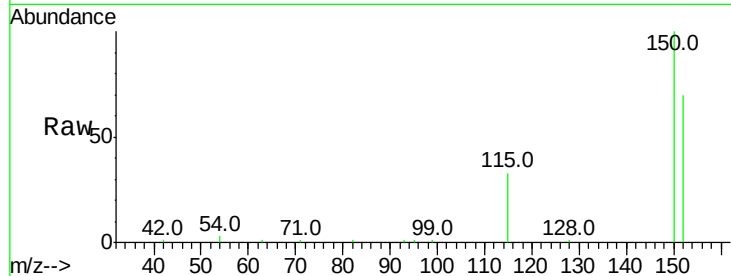
ClientSampleId :

RVE-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	143.7	106.0	159.0
115	47.1	31.2	46.8

Manual Integrations
APPROVED

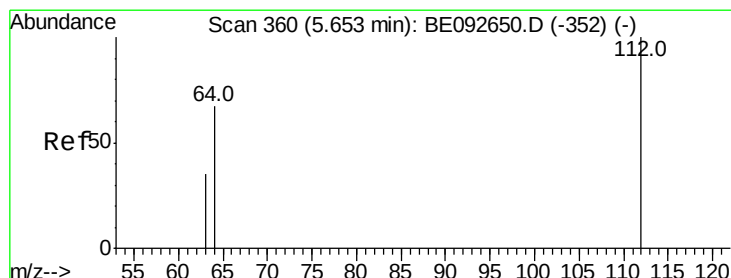
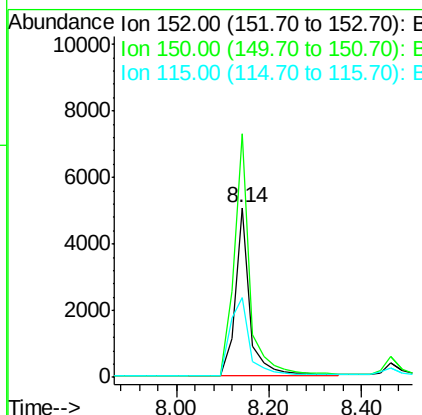
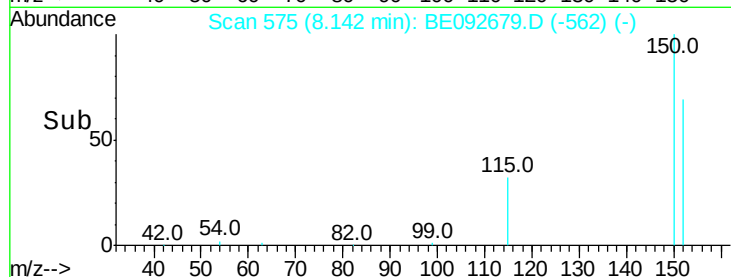
mohammad
1/25/2017 4:53:34 PM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 0.79 ng

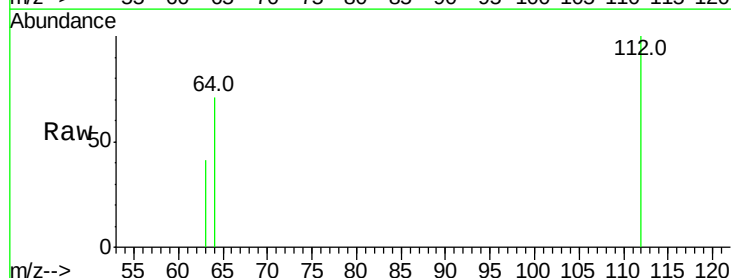
RT: 5.65 min Scan# 360

Delta R.T. -0.00 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

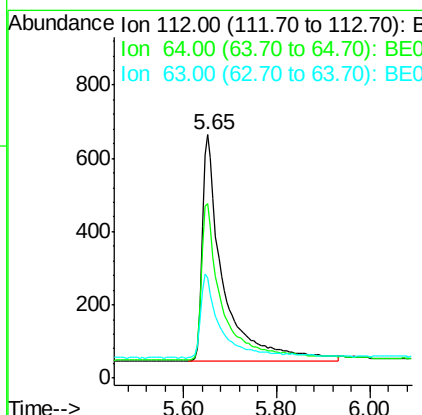
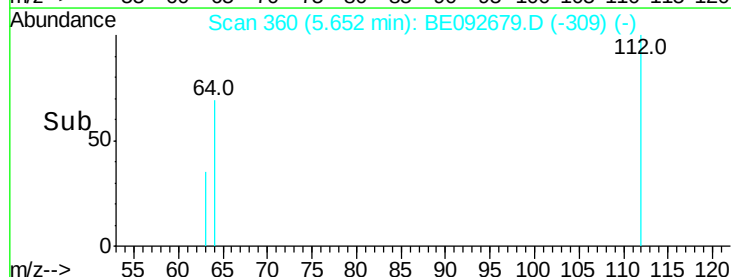
Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.1	53.5	80.3
63	36.3	27.9	41.9

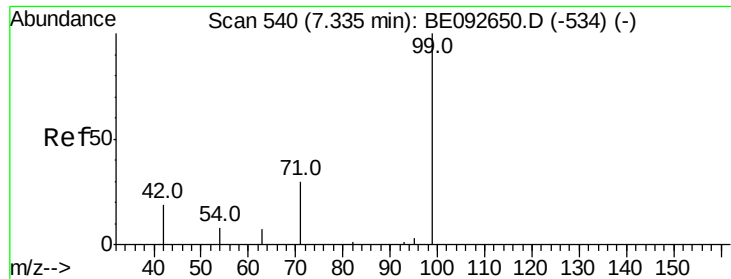


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.80 ng

RT: 7.34 min Scan# 540

Delta R.T. 0.00 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

Instrument :

BNA_E

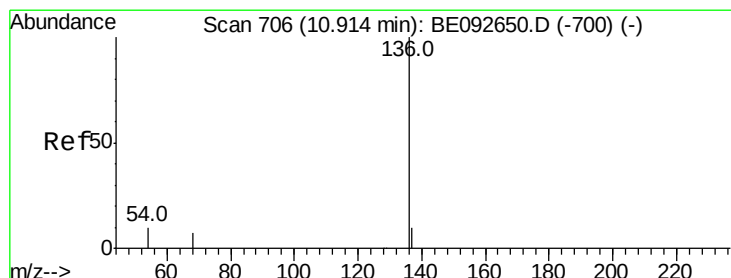
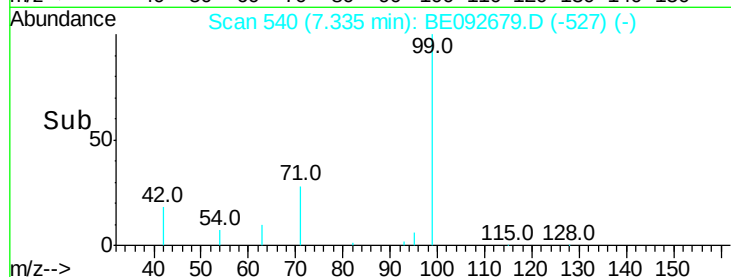
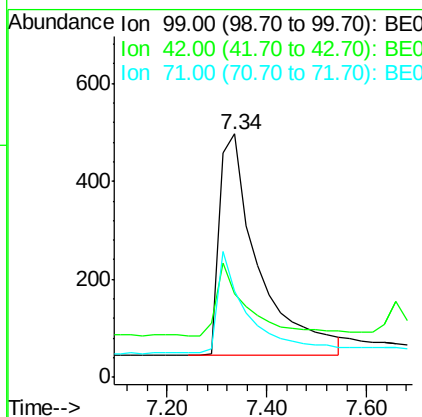
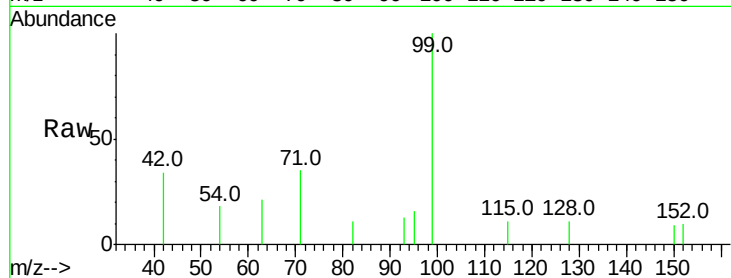
ClientSampleId :

RVE-10

Tot Ion:	99	Resp:	2438
Ion Ratio	Lower	Upper	
99	100		
42	0.0	16.0	24.0#
71	0.0	30.6	45.8#

Manual Integrations
APPROVED

mohammad
1/25/2017 4:53:34 PM



#7

Naphthalene-d8

Concen: 5.00 ng

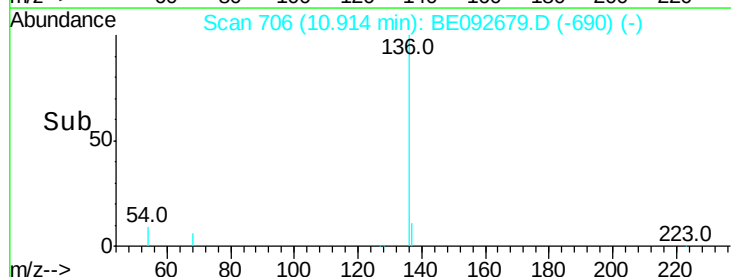
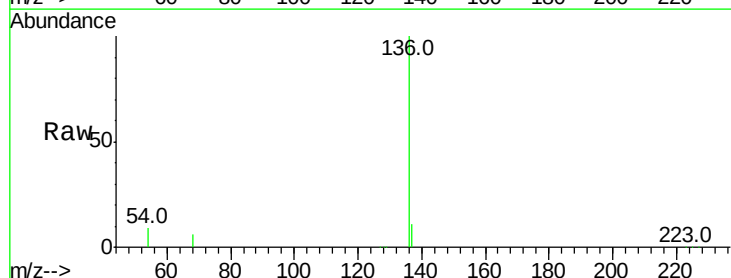
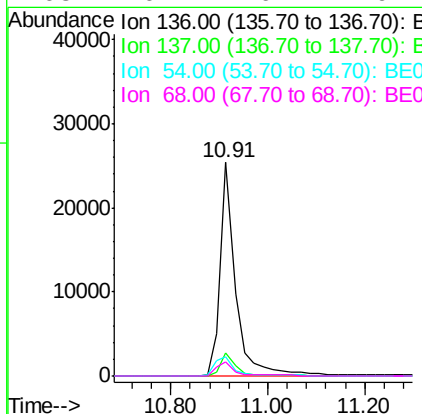
RT: 10.91 min Scan# 706

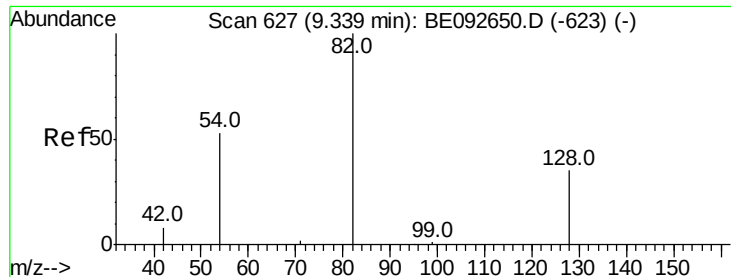
Delta R.T. 0.00 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

Tgt Ion:	136	Resp:	55735
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.2	12.4
54	8.9	9.6	14.4#
68	6.4	6.7	10.1#





#8

Nitrobenzene-d5

Concen: 0.26 ng

RT: 9.36 min Scan# 628

Delta R.T. 0.02 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

Instrument :

BNA_E

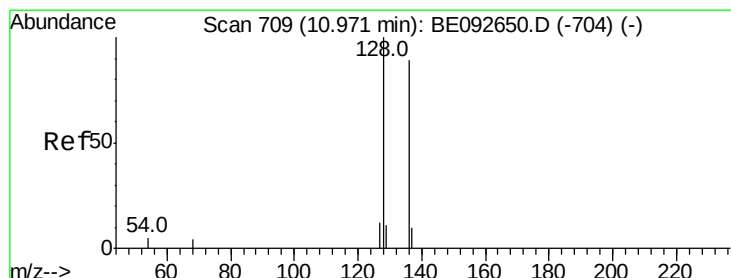
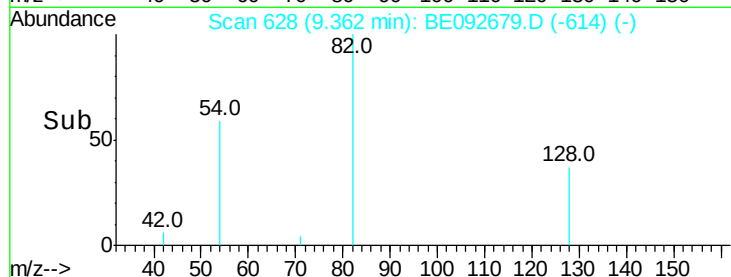
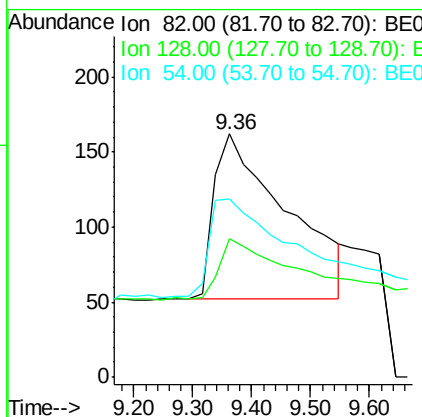
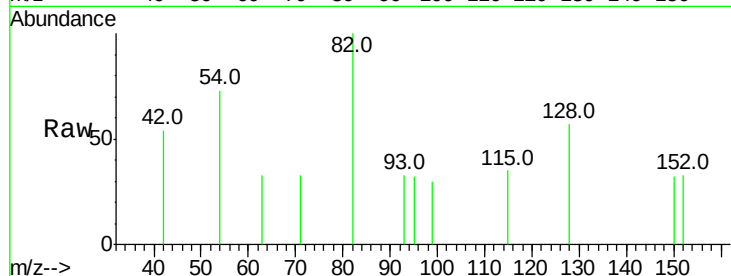
ClientSampled :

RVE-10

Tot Ion:	82	Resp:	940
Ion	Ratio	Lower	Upper
82	100		
128	56.8	39.0	58.4
54	73.5	44.8	67.2#

Manual Integrations
APPROVED

mohammad
1/25/2017 4:53:34 PM



#9

Naphthalene

Concen: 0.05 ng

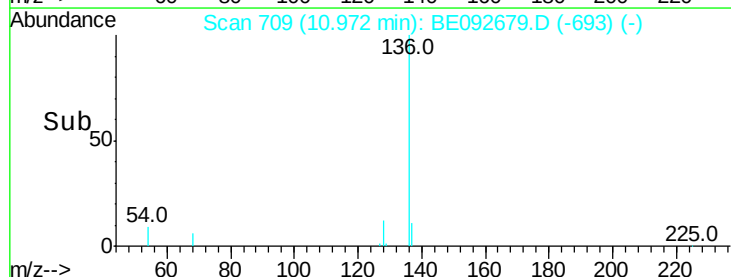
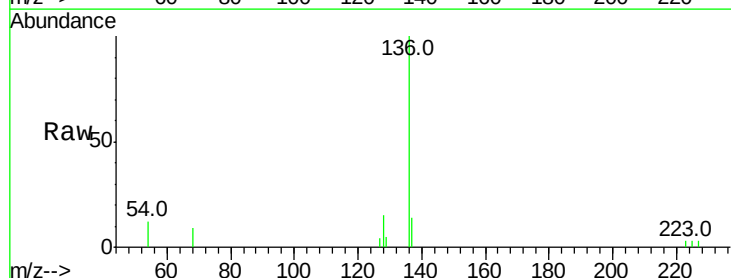
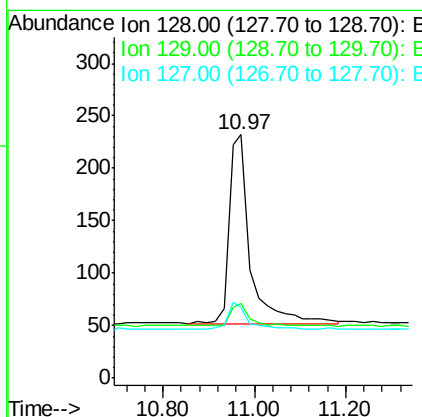
RT: 10.97 min Scan# 709

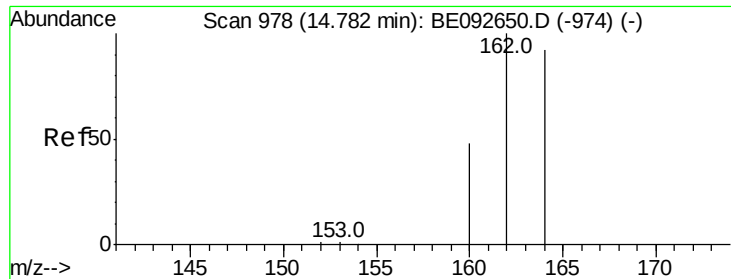
Delta R.T. 0.00 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

Tgt Ion:	128	Resp:	587
Ion	Ratio	Lower	Upper
128	100		
129	30.6	11.2	16.8#
127	28.9	11.6	17.4#





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.78 min Scan# 977

Delta R.T. -0.00 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

Instrument :

BNA_E

ClientSampleId :

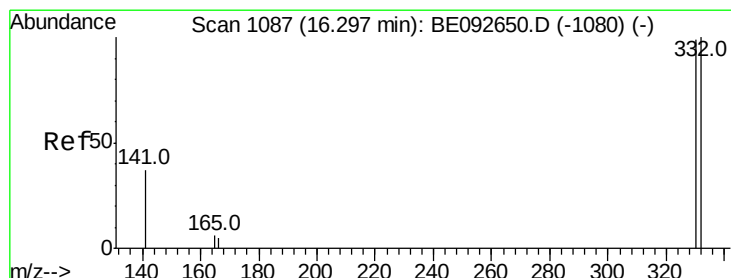
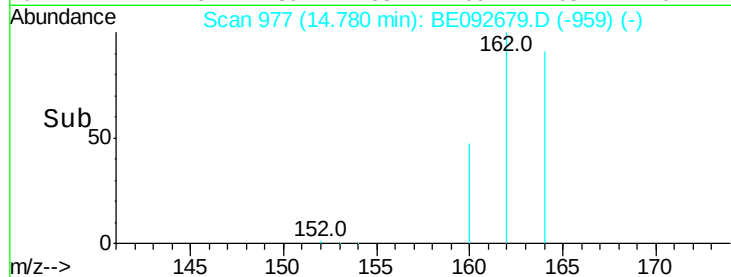
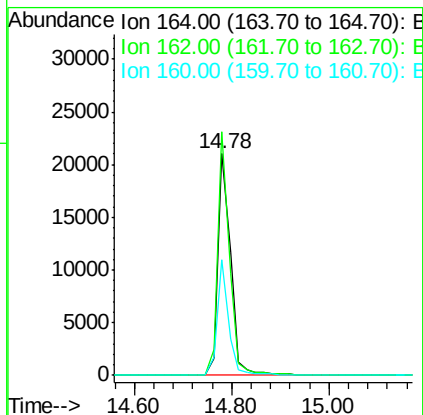
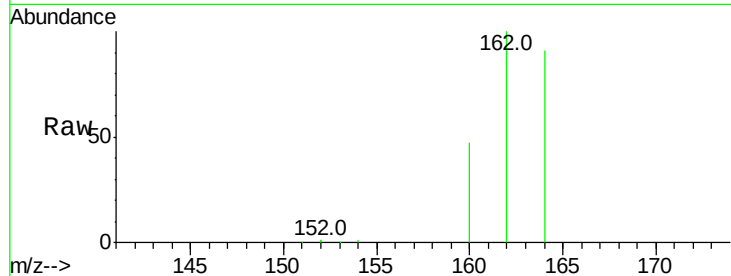
RVE-10

Tot Ion:164 Resp: 37712

Ion	Ratio	Lower	Upper
164	100		
162	110.0	71.4	107.0#
160	52.1	27.4	41.2#

Manual Integrations
APPROVED

mohammad
1/25/2017 4:53:34 PM



#13

2,4,6-Tribromophenol

Concen: 0.65 ng

RT: 16.31 min Scan# 1087

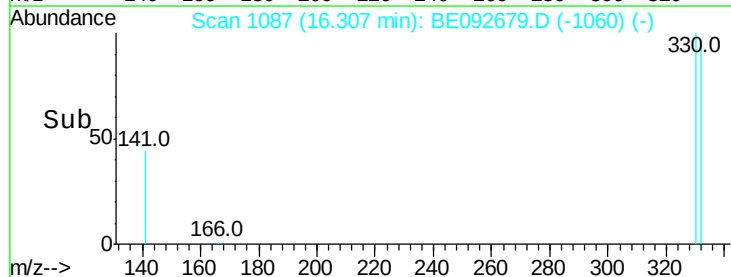
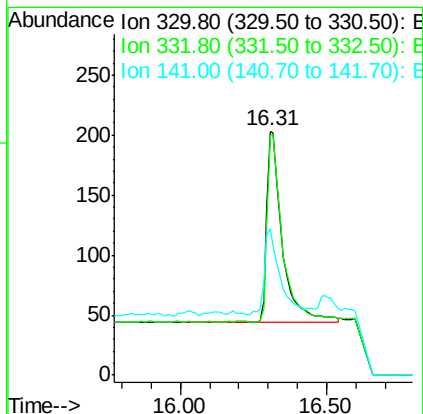
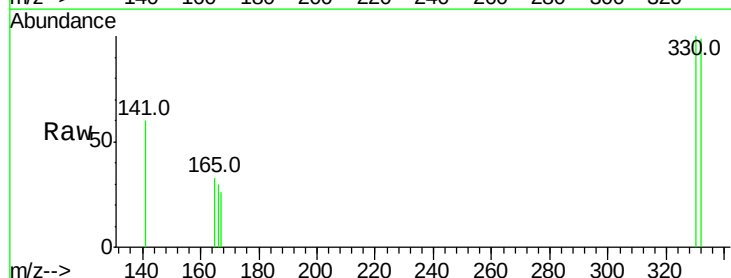
Delta R.T. 0.01 min

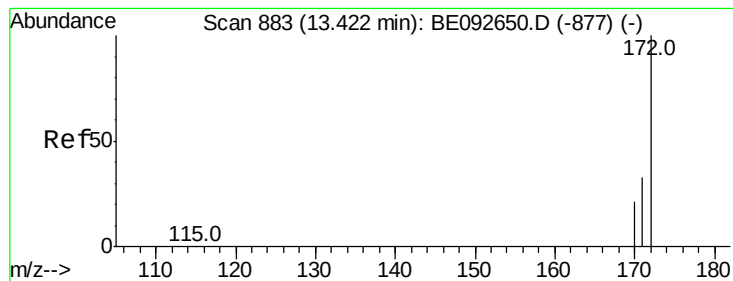
Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

Tgt Ion:330 Resp: 592

Ion	Ratio	Lower	Upper
330	100		
332	98.5	75.4	113.0
141	44.6	31.0	46.6





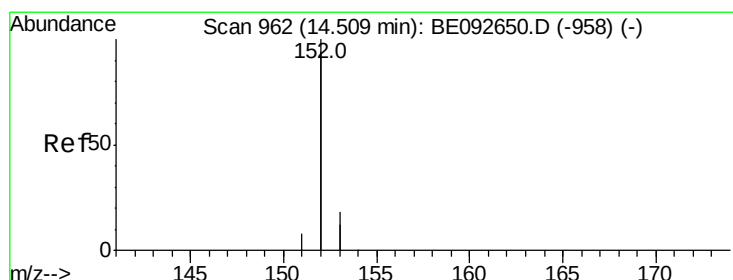
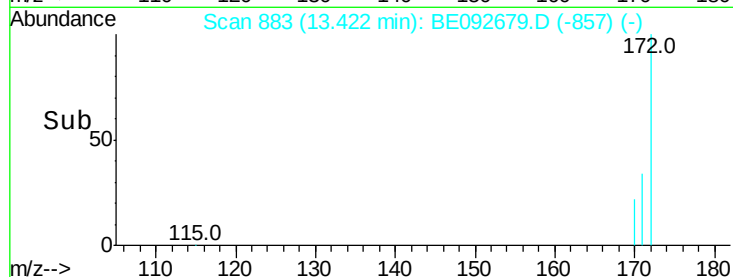
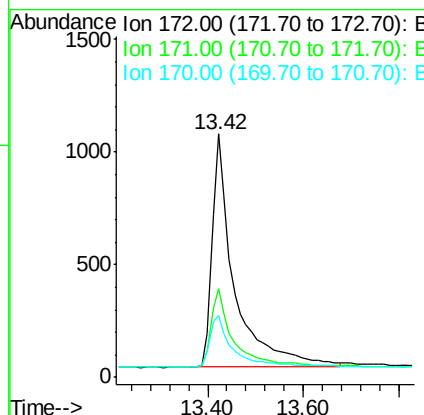
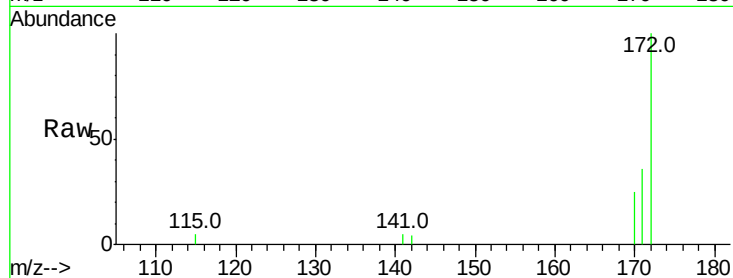
#14
2-Fluorobiphenyl
Concen: 0.37 ng
RT: 13.42 min Scan# 883
Delta R.T. 0.00 min
Lab File: BE092679.D
Acq: 24 Jan 2017 23:33

Instrument :
BNA_E
ClientSampled :
RVE-10

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.1	45.1
170	25.4	21.8	32.6

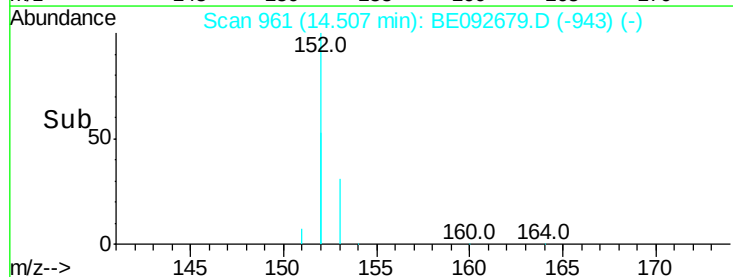
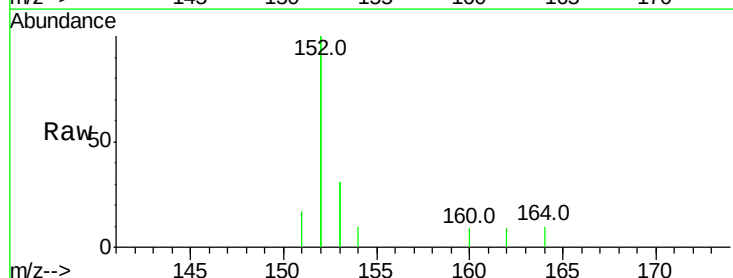
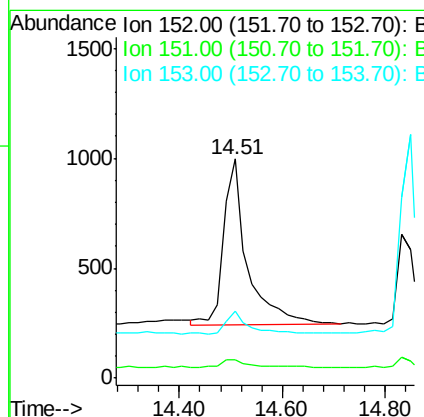
Manual Integrations
APPROVED

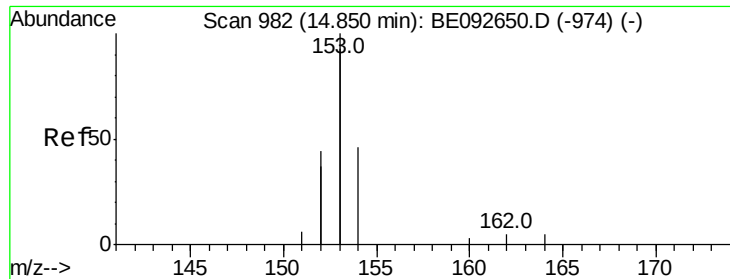
mohammad
1/25/2017 4:53:34 PM



#15
Acenaphthylene
Concen: 0.05 ng
RT: 14.51 min Scan# 961
Delta R.T. -0.00 min
Lab File: BE092679.D
Acq: 24 Jan 2017 23:33

Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.7	3.9	5.9
153	12.7	10.4	15.6





#16

Acenaphthene

Concen: 0.05 ng

RT: 14.85 min Scan# 981

Delta R.T. -0.00 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

Instrument :

BNA_E

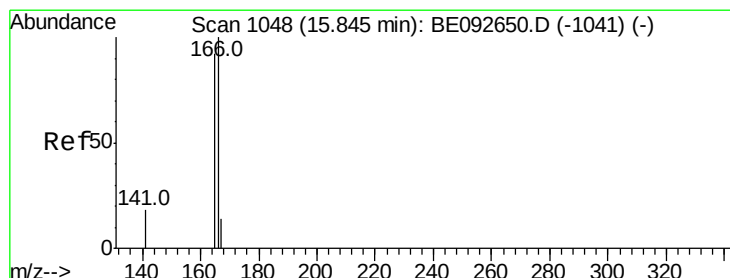
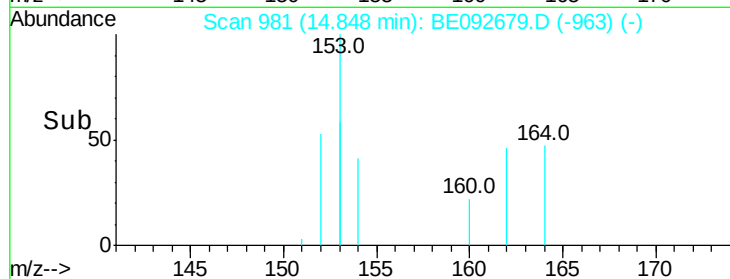
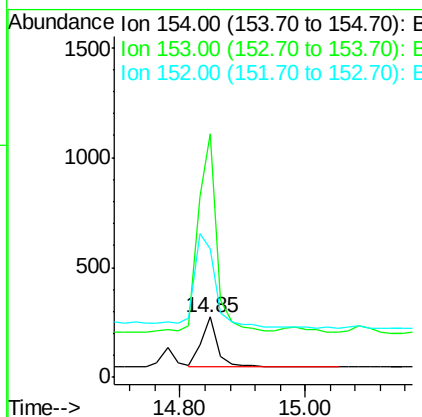
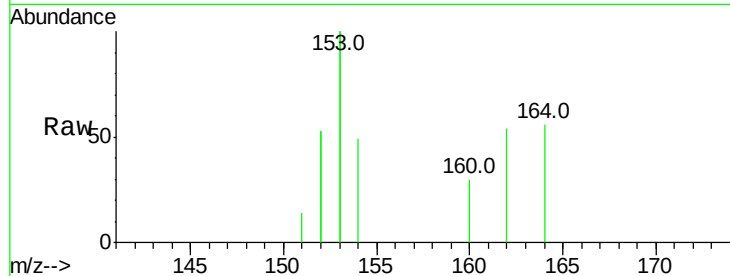
ClientSampled :

RVE-10

Tot Ion:	154	Resp:	411
Ion	Ratio	Lower	Upper
154	100		
153	457.4	350.8	526.2
152	270.1	171.1	256.7#

Manual Integrations
APPROVED

mohammad
1/25/2017 4:53:34 PM



#17

Fluorene

Concen: 0.06 ng

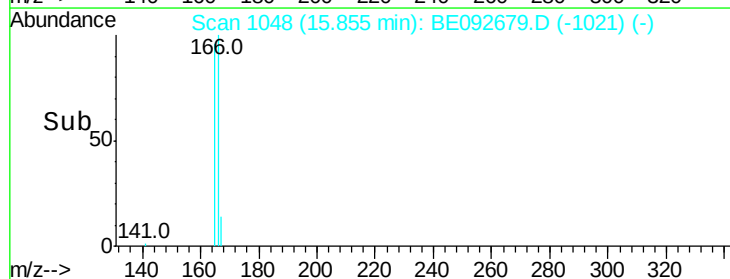
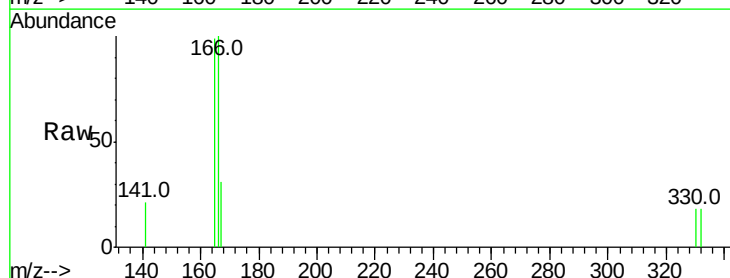
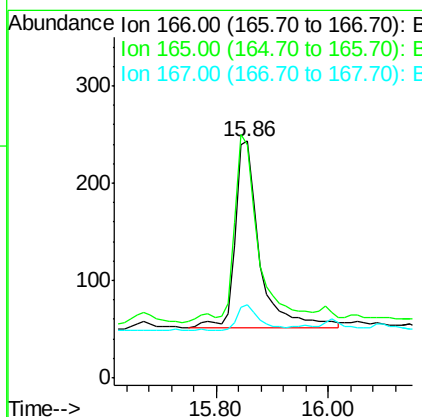
RT: 15.86 min Scan# 1048

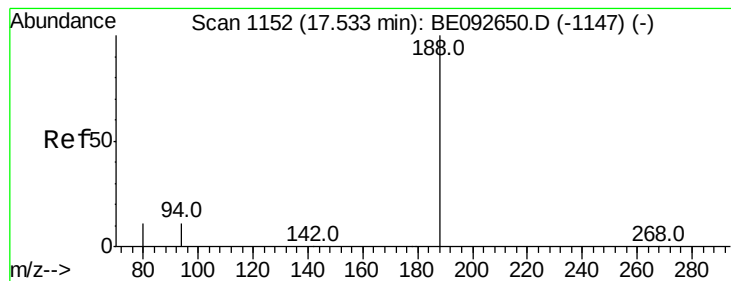
Delta R.T. 0.01 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

Tgt Ion:	166	Resp:	592
Ion	Ratio	Lower	Upper
166	100		
165	99.3	78.2	117.4
167	11.8	11.0	16.4





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.53 min Scan# 1151

Delta R.T. 0.00 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

Instrument :

BNA_E

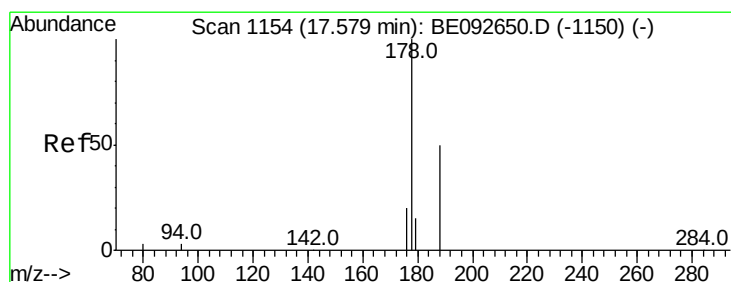
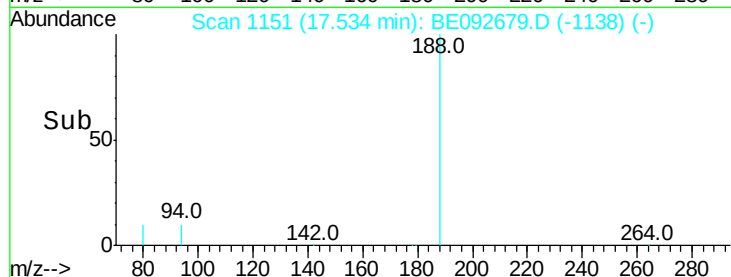
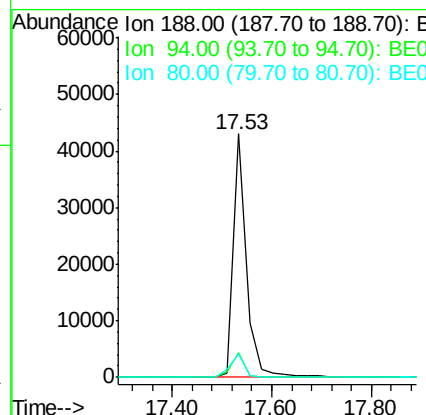
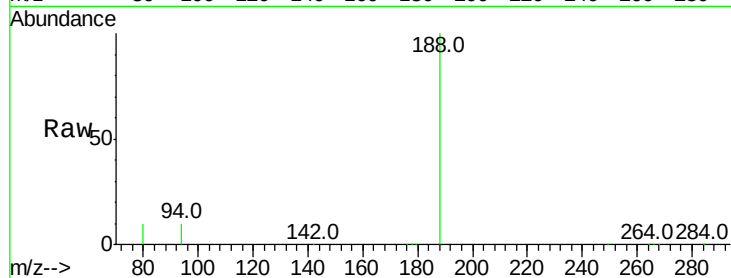
ClientSampled :

RVE-10

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.0	3.2	4.8#	
80	9.9	2.6	3.8#	

Manual Integrations
APPROVED

mohammad
1/25/2017 4:53:34 PM



#21

Phenanthrene

Concen: 0.27 ng

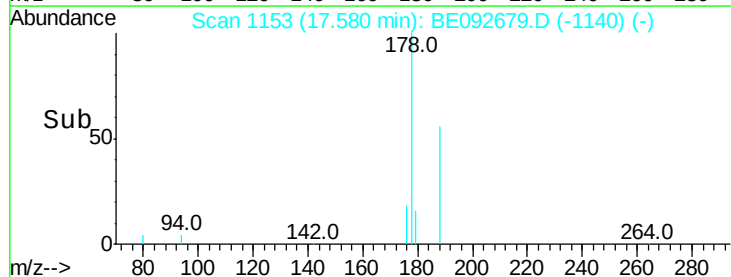
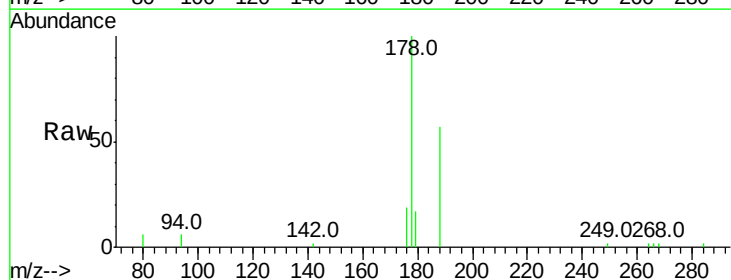
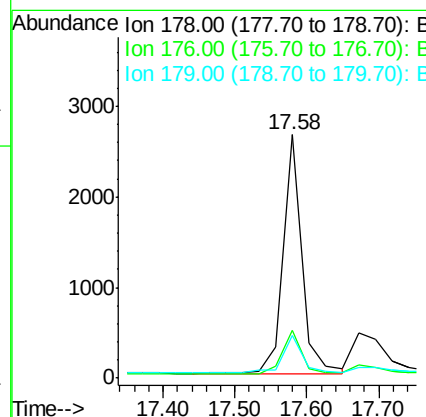
RT: 17.58 min Scan# 1153

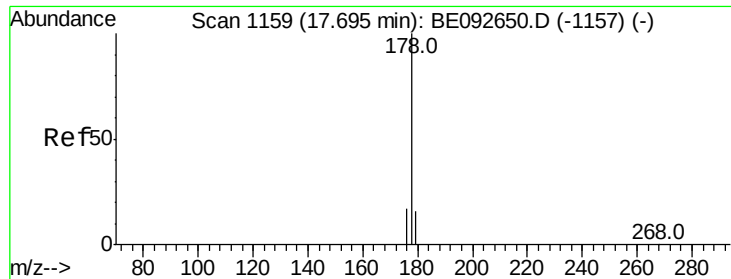
Delta R.T. 0.00 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.0	15.8	23.8	
179	17.0	16.0	24.0	





#22

Anthracene

Concen: 0.09 ng

RT: 17.67 min Scan# 1157

Delta R.T. -0.02 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

Instrument :

BNA_E

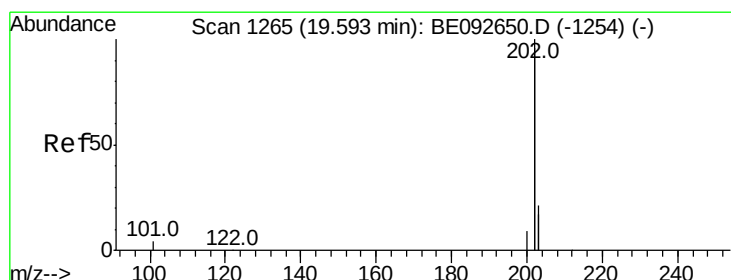
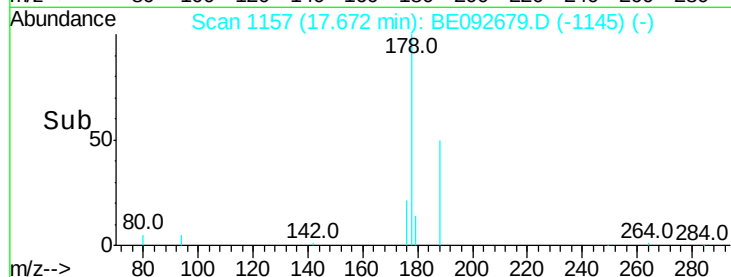
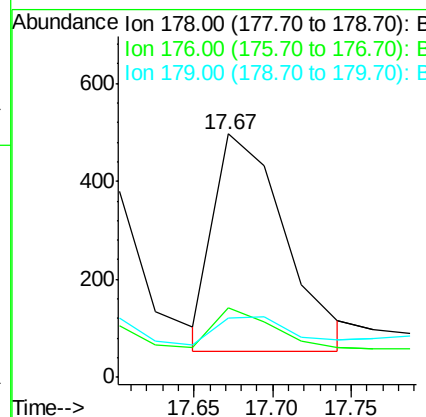
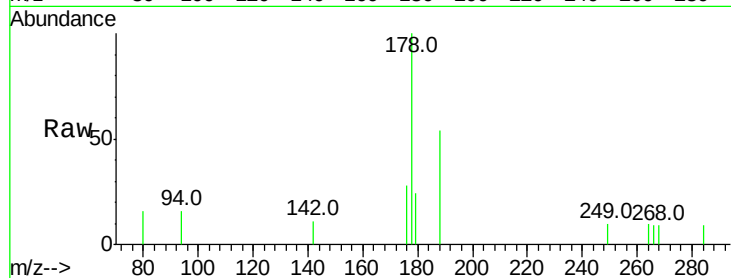
ClientSampleId :

RVE-10

Tot Ion:	178	Resp:	1422
Ion Ratio	Lower	Upper	
178	100		
176	61.8	15.0	22.4#
179	56.3	12.2	18.2#

Manual Integrations
APPROVED

mohammad
1/25/2017 4:53:34 PM



#23

Fluoranthene

Concen: 0.33 ng

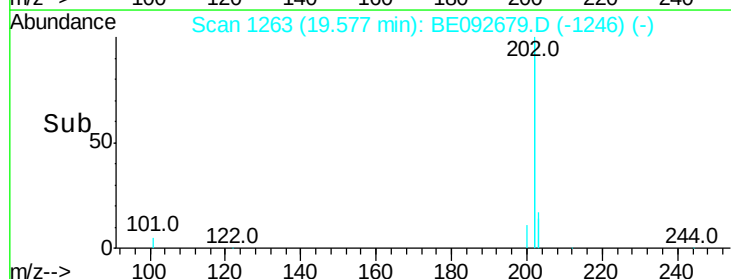
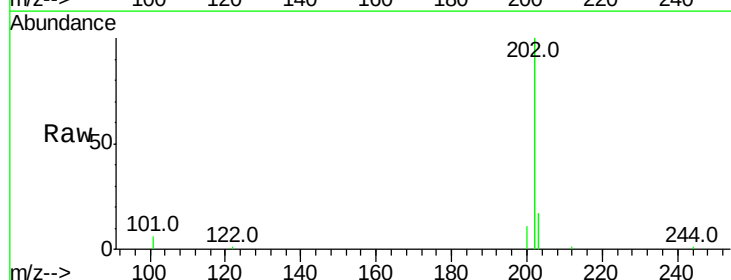
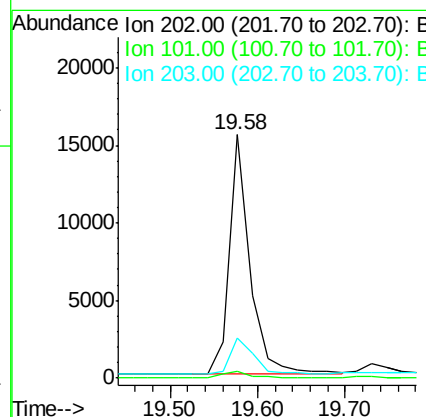
RT: 19.58 min Scan# 1263

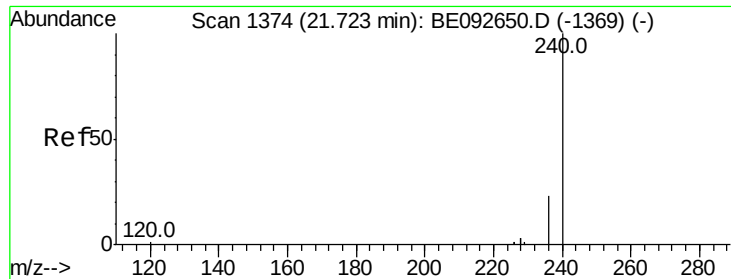
Delta R.T. -0.02 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

Tgt Ion:	202	Resp:	25376
Ion Ratio	Lower	Upper	
202	100		
101	3.0	2.2	3.4
203	17.4	13.7	20.5





#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.72 min Scan# 1373

Delta R.T. 0.00 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

Instrument :

BNA_E

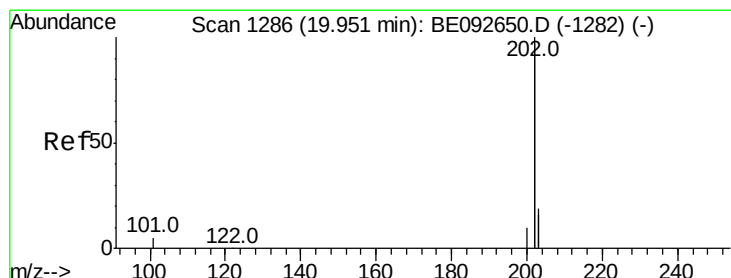
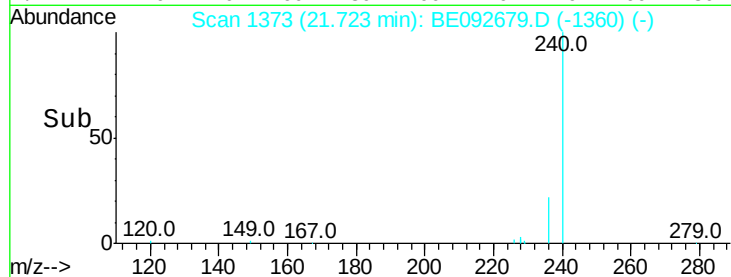
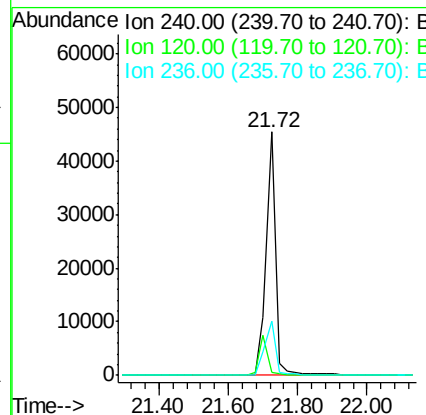
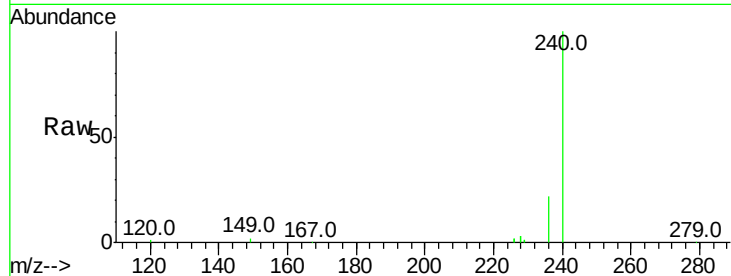
ClientSampleId :

RVE-10

Tot Ion:240 Resp: 82443
 Ion Ratio Lower Upper
 240 100
 120 1.0 2.6 4.0#
 236 22.0 24.6 37.0#

Manual Integrations
 APPROVED

mohammad
 1/25/2017 4:53:34 PM



#25

Pyrene

Concen: 0.28 ng

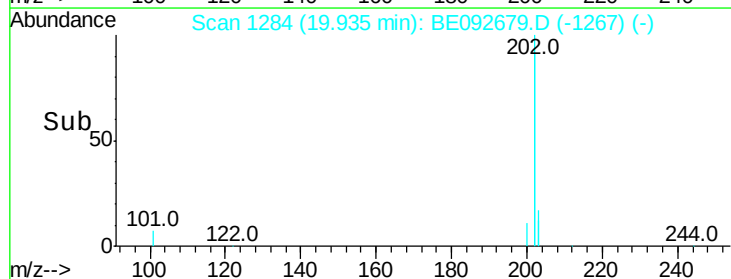
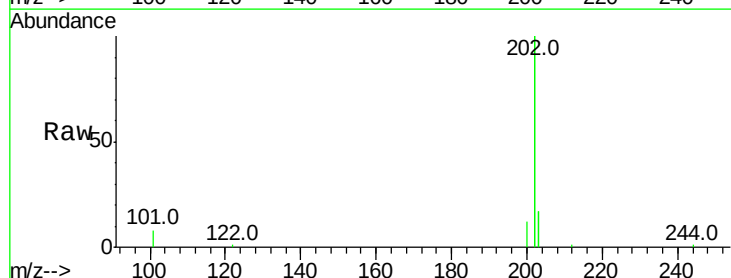
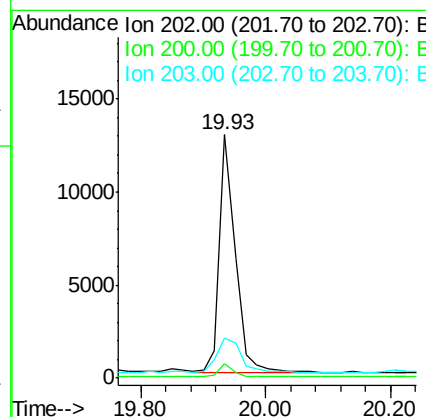
RT: 19.93 min Scan# 1284

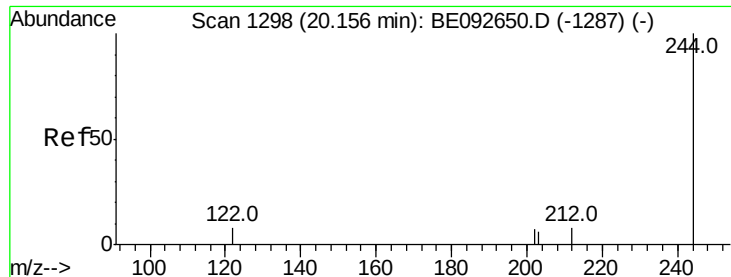
Delta R.T. -0.02 min

Lab File: BE092679.D

Acq: 24 Jan 2017 23:33

Tgt Ion:202 Resp: 22394
 Ion Ratio Lower Upper
 202 100
 200 5.3 4.2 6.4
 203 22.9 13.9 20.9#





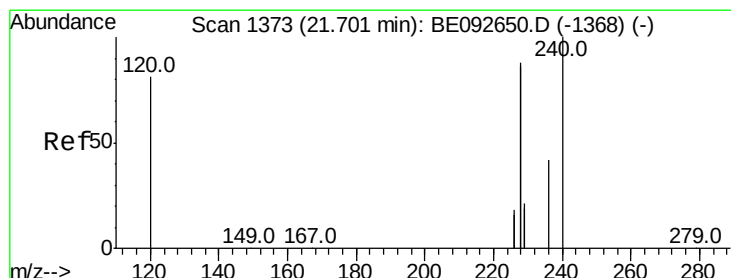
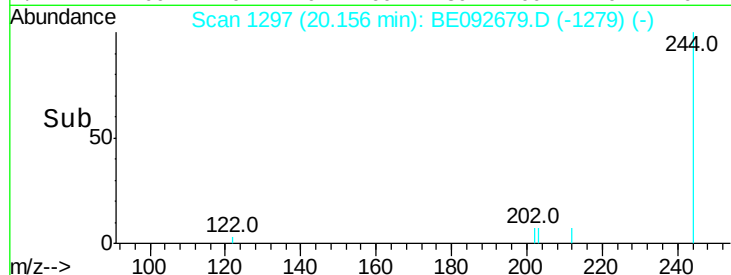
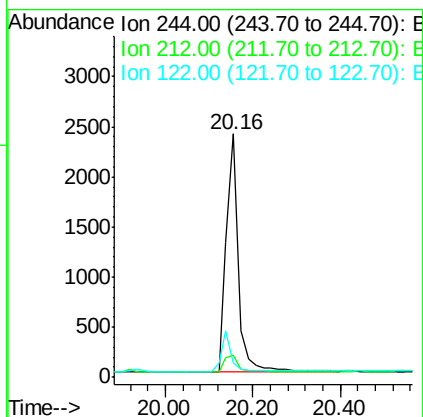
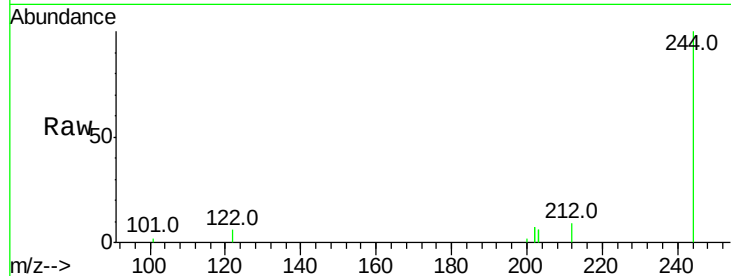
#26
 Terphenyl-d14
 Concen: 0.40 ng
 RT: 20.16 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: BE092679.D
 Acq: 24 Jan 2017 23:33

Instrument :
 BNA_E
 ClientSampleId :
 RVE-10

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.1	6.7	10.1
122	5.8	3.6	5.4

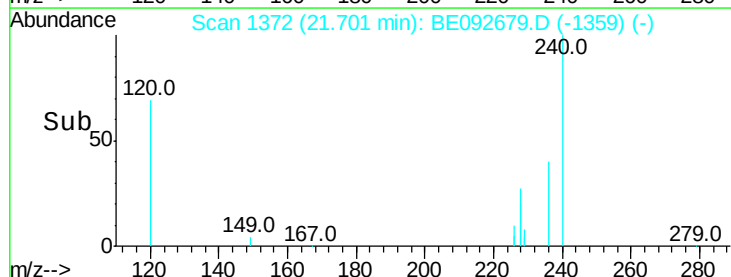
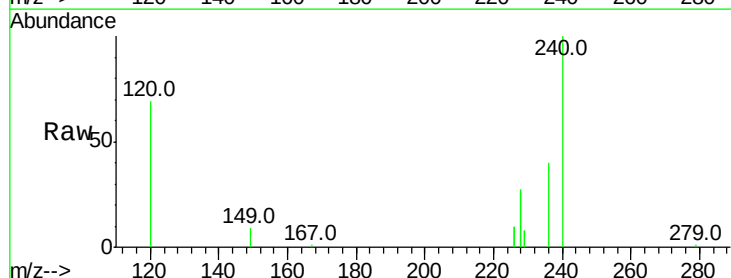
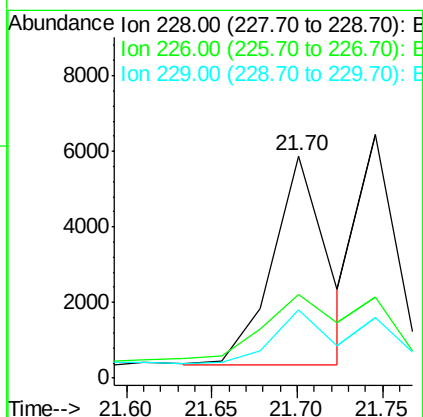
Manual Integrations
 APPROVED

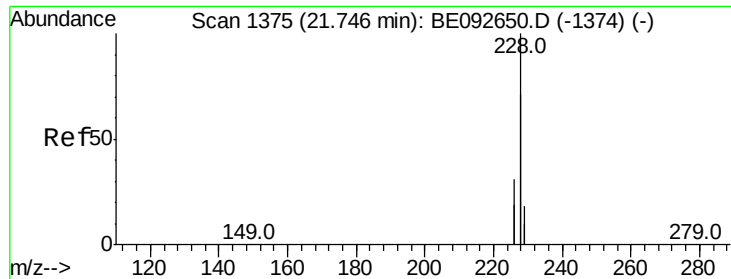
mohammad
 1/25/2017 4:53:34 PM



#27
 Benzo(a)anthracene
 Concen: 0.15 ng m
 RT: 21.70 min Scan# 1372
 Delta R.T. 0.00 min
 Lab File: BE092679.D
 Acq: 24 Jan 2017 23:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.4	23.6	35.4
229	30.8	13.3	19.9





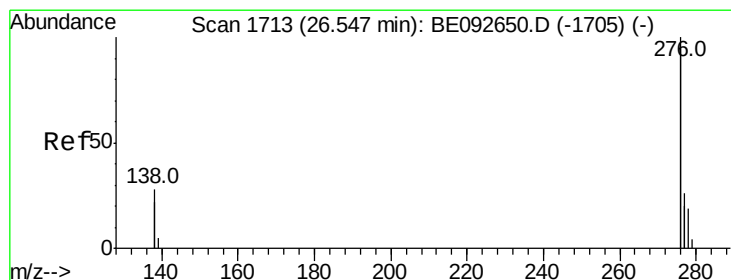
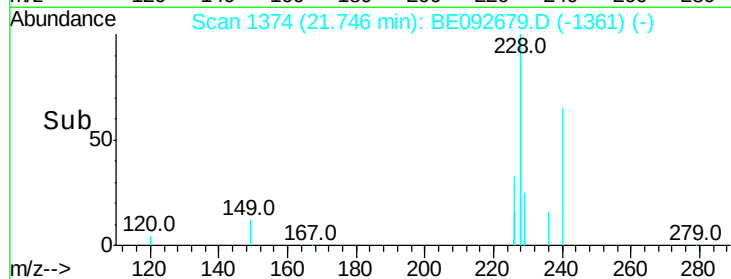
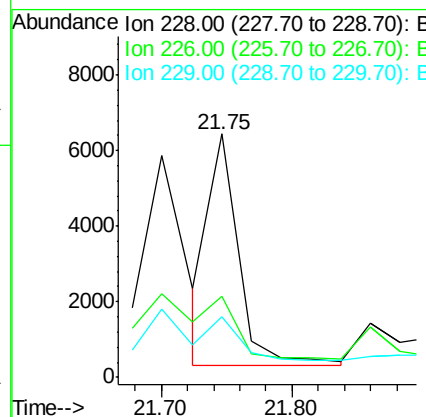
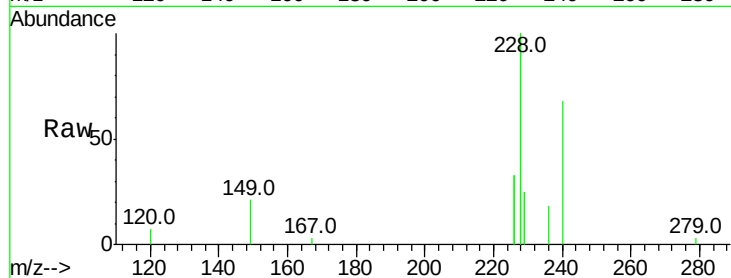
#28
Chrysene
Concen: 0.11 ng/ml
RT: 21.75 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092679.D
Acq: 24 Jan 2017 23:33

Instrument :
BNA_E
ClientSampleId :
RVE-10

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.3	36.3	54.5#
229	24.7	10.6	16.0#

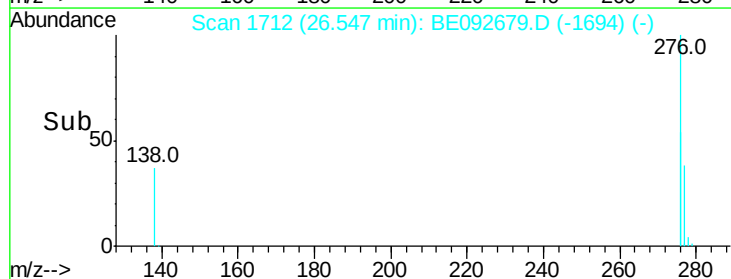
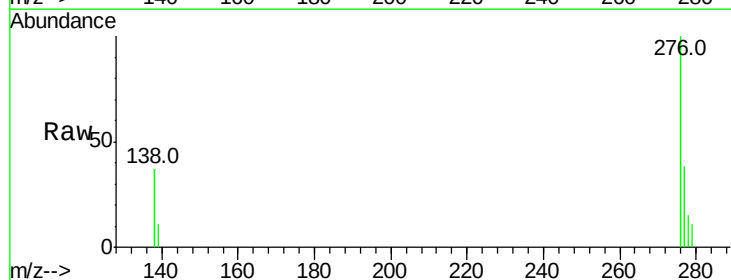
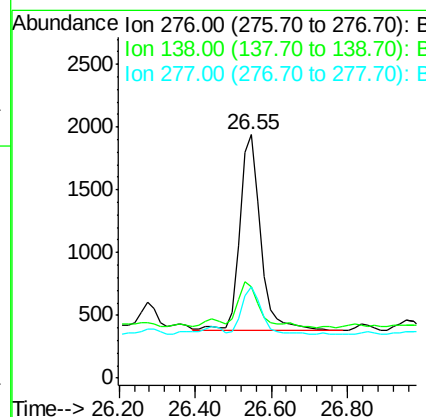
Manual Integrations
APPROVED

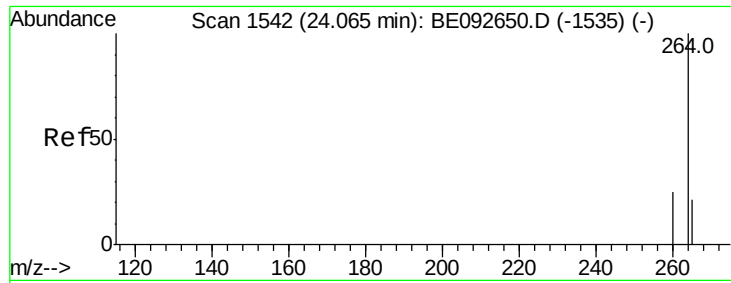
mohammad
1/25/2017 4:53:34 PM



#30
Indeno(1,2,3-cd)pyrene
Concen: 0.06 ng
RT: 26.55 min Scan# 1712
Delta R.T. 0.00 min
Lab File: BE092679.D
Acq: 24 Jan 2017 23:33

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.6	20.3	30.5
277	21.8	19.7	29.5





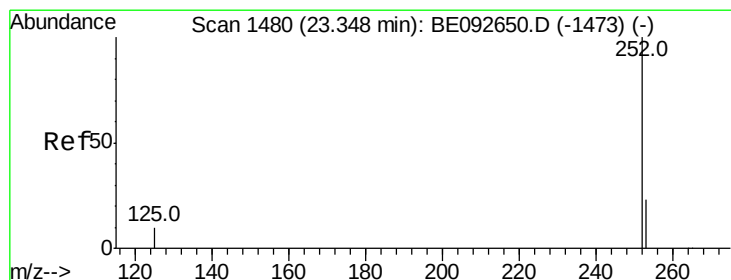
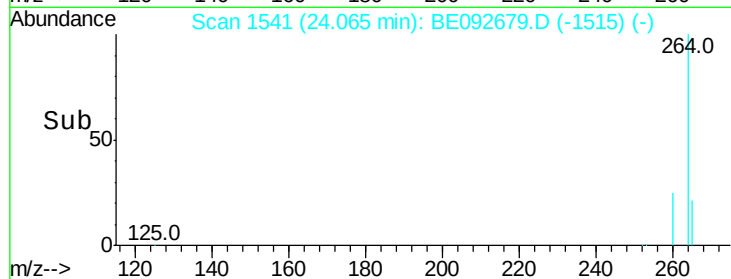
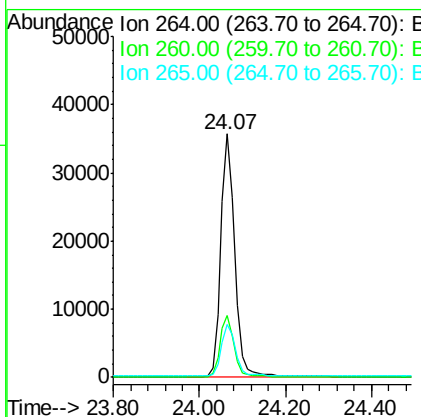
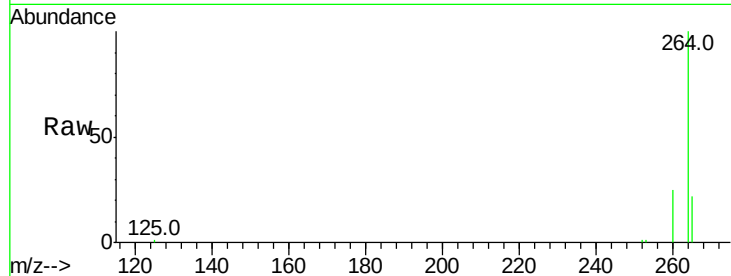
#31
Pervlene-d12
Concen: 5.00 ng
RT: 24.07 min Scan# 1541
Delta R.T. 0.00 min
Lab File: BE092679.D
Acq: 24 Jan 2017 23:33

Instrument :
BNA_E
ClientSampleId :
RVE-10

Tot Ion:264 Resp: 81037
Ion Ratio Lower Upper
264 100
260 25.3 20.1 30.1
265 21.9 17.9 26.9

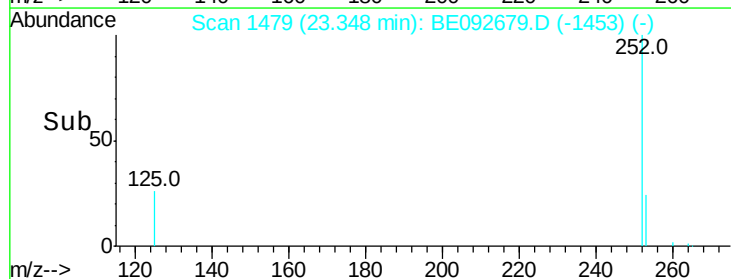
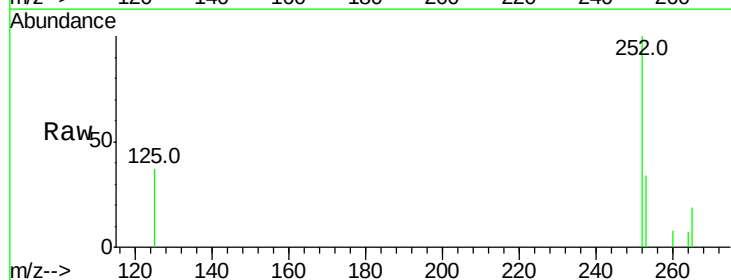
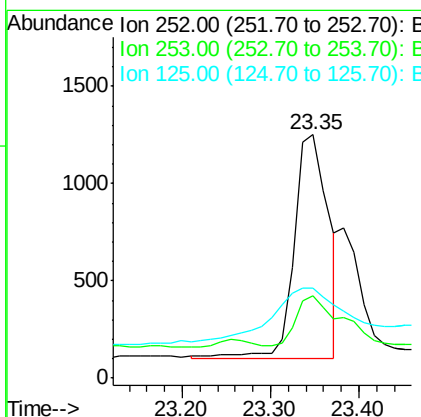
Manual Integrations
APPROVED

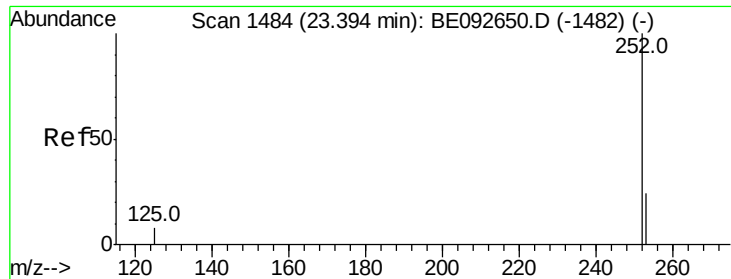
mohammad
1/25/2017 4:53:34 PM



#32
Benzo(b)fluoranthene
Concen: 0.16 ng m
RT: 23.35 min Scan# 1479
Delta R.T. 0.00 min
Lab File: BE092679.D
Acq: 24 Jan 2017 23:33

Tgt Ion:252 Resp: 3122
Ion Ratio Lower Upper
252 100
253 34.0 18.7 28.1#
125 37.1 10.5 15.7#





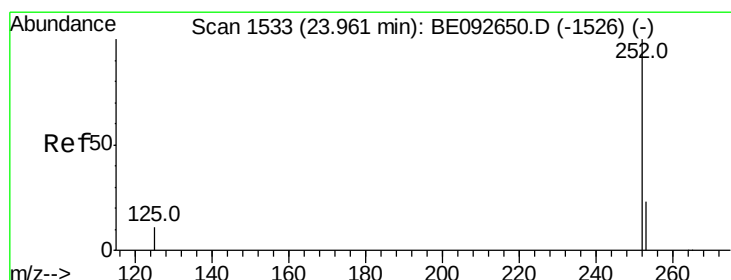
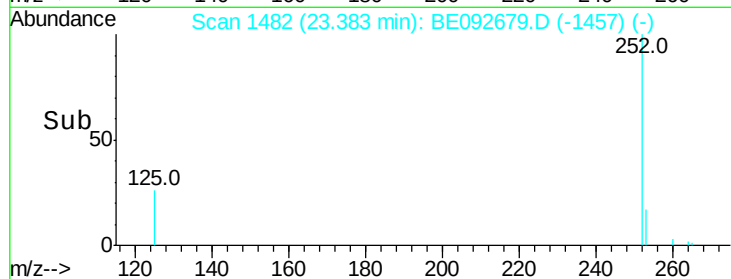
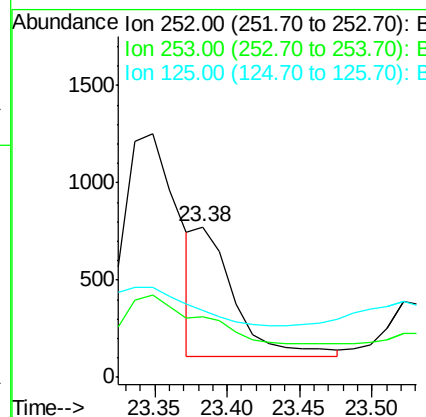
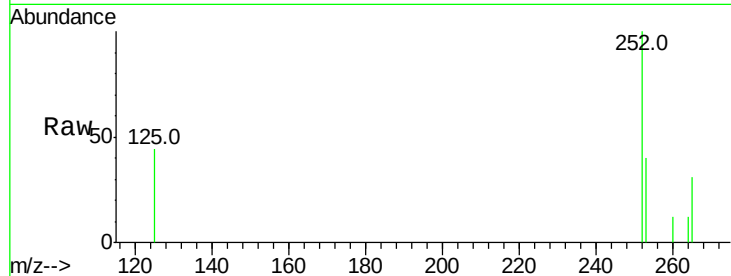
#33
Benzo(k)fluoranthene
Concen: 0.06 ng m
RT: 23.38 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BE092679.D
Acq: 24 Jan 2017 23:33

Instrument :
BNA_E
ClientSampleId :
RVE-10

Tot Ion	Ratio	Lower	Upper
252	100		
253	40.0	20.3	30.5#
125	44.4	9.6	14.4#

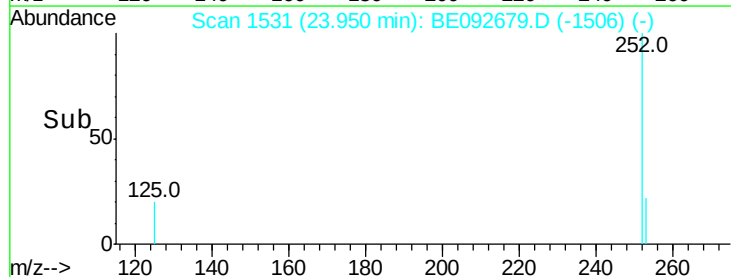
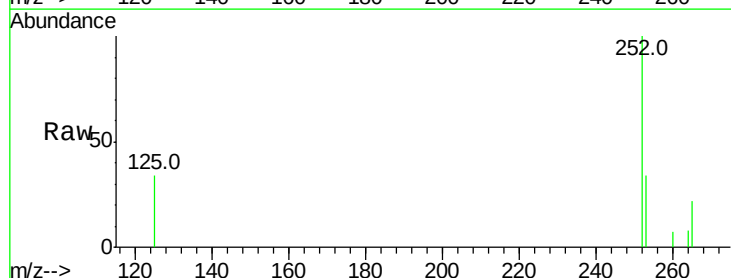
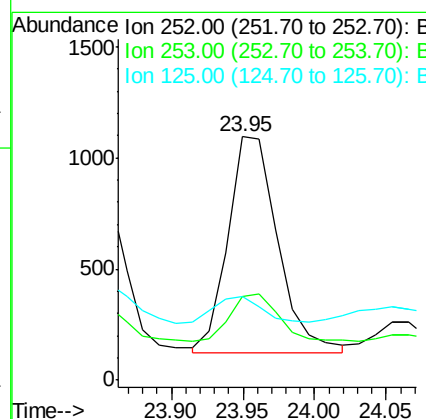
Manual Integrations
APPROVED

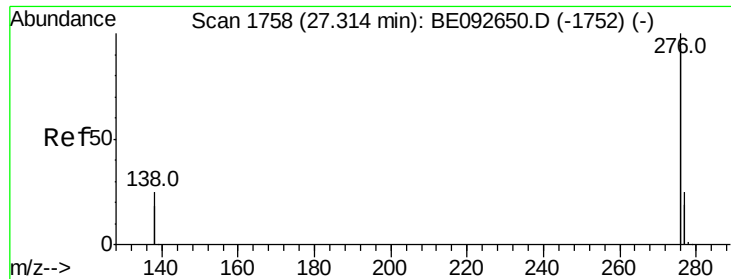
mohammad
1/25/2017 4:53:34 PM



#34
Benzo(a)pyrene
Concen: 0.13 ng
RT: 23.95 min Scan# 1531
Delta R.T. -0.01 min
Lab File: BE092679.D
Acq: 24 Jan 2017 23:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.3	19.0	28.6#
125	34.4	11.8	17.8#





#36
 Benzo(a,h,i)perylene
 Concen: 0.09 ng
 RT: 27.31 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: BE092679.D
 Acq: 24 Jan 2017 23:33

Instrument :
 BNA_E
 ClientSampleId :
 RVE-10

Tot Ion	Ratio	Lower	Upper
276	100		
277	36.8	19.8	29.8#
138	38.2	19.8	29.6#

Manual Integrations
 APPROVED

mohammad
 1/25/2017 4:53:34 PM

