

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013117\
 Data File : BE092702.D
 Acq On : 1 Feb 2017 00:37
 Operator : SJ/MA
 Sample : I1505-04 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-01C

Manual Integrations
 APPROVED

mohammad
 2/1/2017 2:29:16 PM

Quant Time: Feb 01 03:17:44 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	11651	5.00	ng	0.00
7) Naphthalene-d8	10.91	136	58574	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	38120	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	80099	5.00	ng	0.00
24) Chrysene-d12	21.72	240	78797	5.00	ng	0.00
31) Perylene-d12	24.06	264	82058	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.65	112	2353	0.90	ng	0.00
5) Phenol-d6	7.31	99	3100	0.97	ng	-0.02
8) Nitrobenzene-d5	9.34	82	1424m	0.37	ng	0.00
13) 2,4,6-Tribromophenol	16.29	330	801	0.83	ng	-0.01
14) 2-Fluorobiphenyl	13.41	172	4115	0.44	ng	-0.01
26) Terphenyl-d14	20.14	244	5566	0.50	ng	-0.02
Target Compounds						
6) bis(2-Chloroethyl)ether	7.54	93	15272	4.51	ng	# 17
9) Naphthalene	10.97	128	572	0.05	ng	# 57
11) 2-Methylnaphthalene	12.62	142	299	0.04	ng	# 87
15) Acenaphthylene	14.49	152	20826	0.40	ng	99
16) Acenaphthene	14.85	154	303	0.04	ng	# 75
17) Fluorene	15.85	166	780	0.07	ng	89
21) Phenanthrene	17.58	178	14932	0.84	ng	# 94
22) Anthracene	17.67	178	5432	0.33	ng	97
23) Fluoranthene	19.58	202	137204	1.75	ng	99
25) Pyrene	19.93	202	158454	2.04	ng	95
27) Benzo(a)anthracene	21.70	228	107257m	1.38	ng	
28) Chrysene	21.75	228	86280m	0.99	ng	
29) Bis(2-ethylhexyl)phthalate	21.61	149	20835	1.51	ng	# 72
30) Indeno(1,2,3-cd)pyrene	26.53	276	55896	0.59	ng	97
32) Benzo(b)fluoranthene	23.34	252	34651m	1.75	ng	
33) Benzo(k)fluoranthene	23.38	252	9911m	0.50	ng	
34) Benzo(a)pyrene	23.95	252	20733	1.11	ng	98
35) Dibenzo(a,h)anthracene	26.53	278	3400	0.19	ng	# 79
36) Benzo(a,h,i)perylene	27.28	276	58290	0.76	ng	98

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

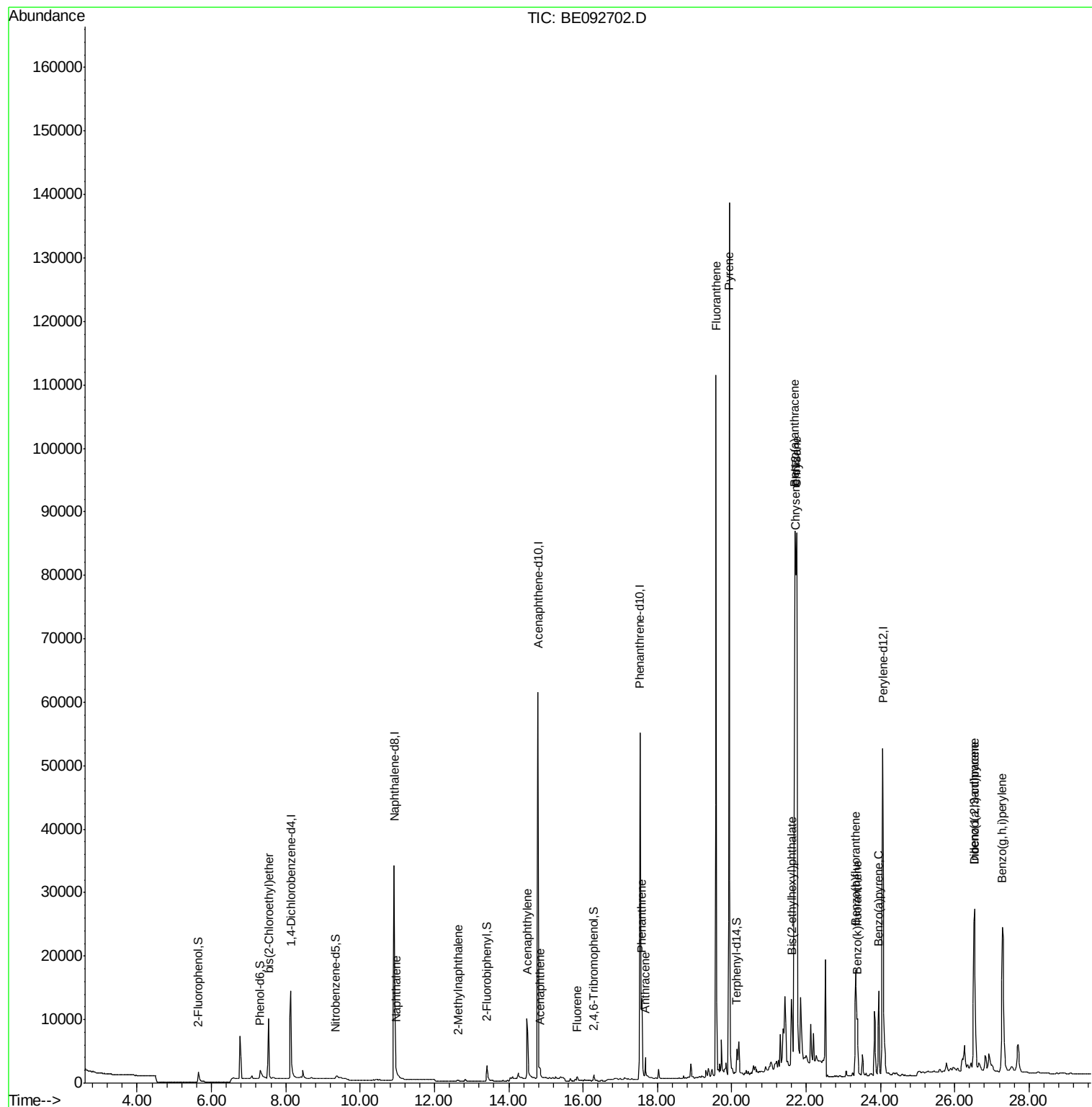
Data Path : Z:\HPCHEM1\BNA E\DATA\BE013117\
Data File : BE092702.D
Acq On : 1 Feb 2017 00:37
Operator : SJ/MA
Sample : I1505-04 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

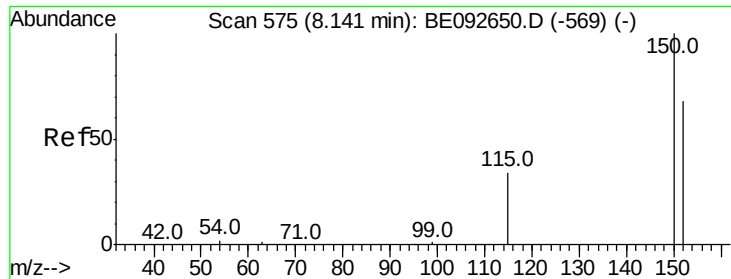
Instrument :
BNA_E
ClientSampled :
SB-01C

Manual Integrations
APPROVED

mohammad
2/1/2017 2:29:16 PM

Quant Time: Feb 01 03:17:44 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: BE092702.D

Acq: 1 Feb 2017 00:37

Instrument :

BNA_E

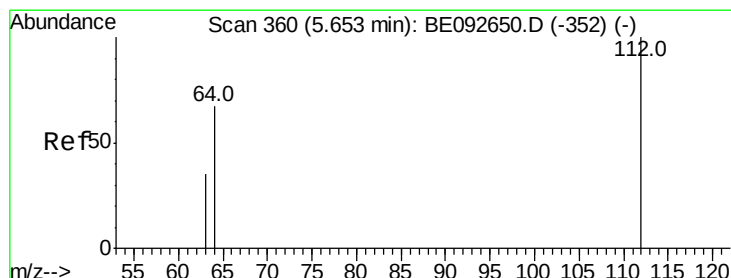
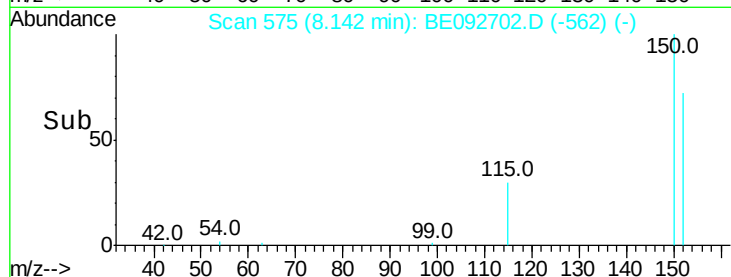
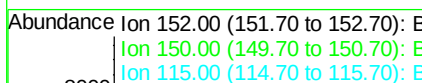
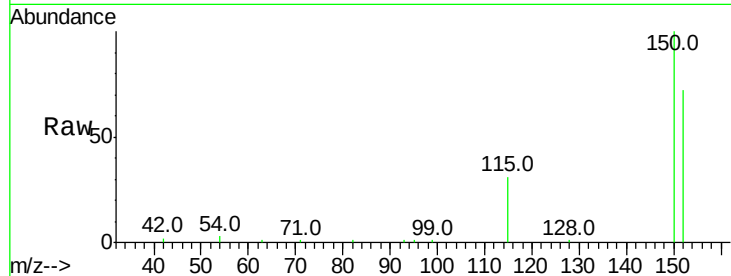
ClientSampleId :

SB-01C

Tot Ion:	152	Resp:	11651
Ion	Ratio	Lower	Upper
152	100		
150	139.1	106.0	159.0
115	43.3	31.2	46.8

Manual Integrations
APPROVED

mohammad
2/1/2017 2:29:16 PM



#4

2-Fluorophenol

Concen: 0.90 ng

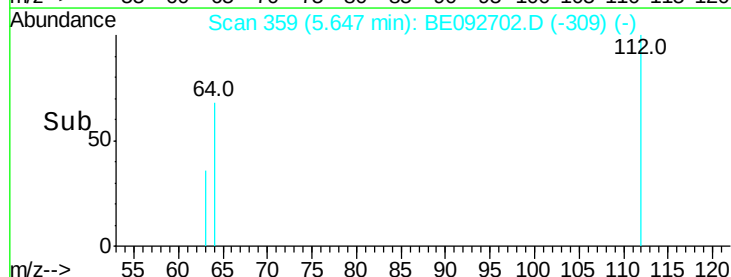
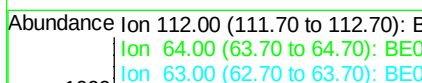
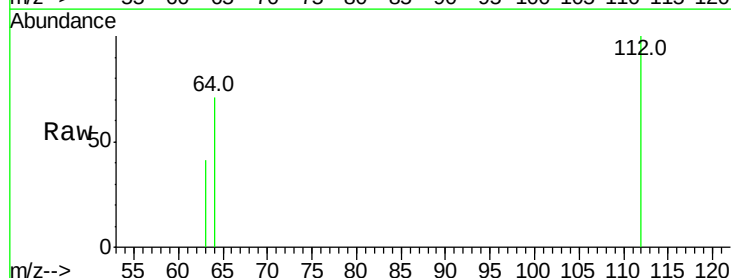
RT: 5.65 min Scan# 359

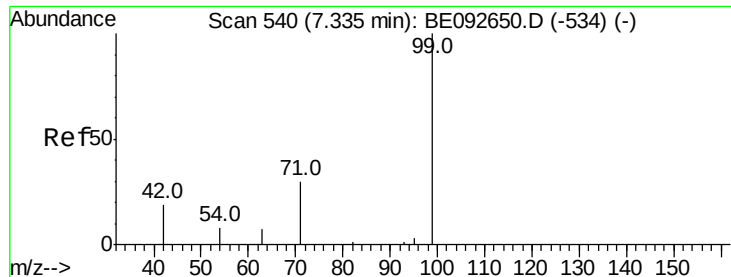
Delta R.T. -0.01 min

Lab File: BE092702.D

Acq: 1 Feb 2017 00:37

Tgt Ion:	112	Resp:	2353
Ion	Ratio	Lower	Upper
112	100		
64	70.5	53.5	80.3
63	37.7	27.9	41.9





#5

Phenol-d6

Concen: 0.97 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.02 min

Lab File: BE092702.D

Acq: 1 Feb 2017 00:37

Instrument :

BNA_E

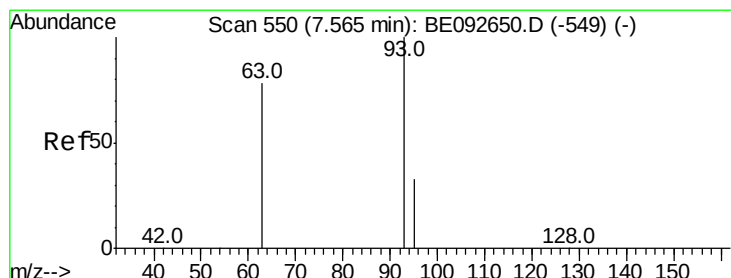
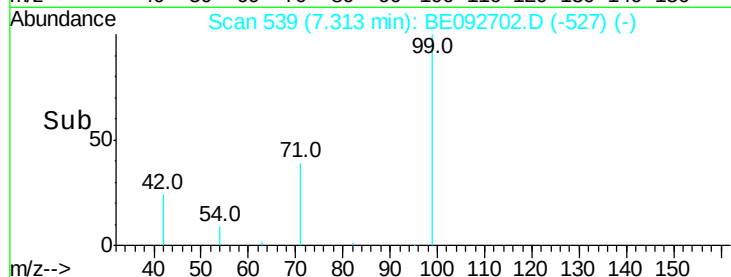
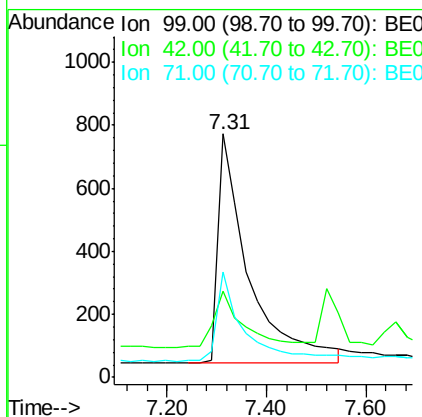
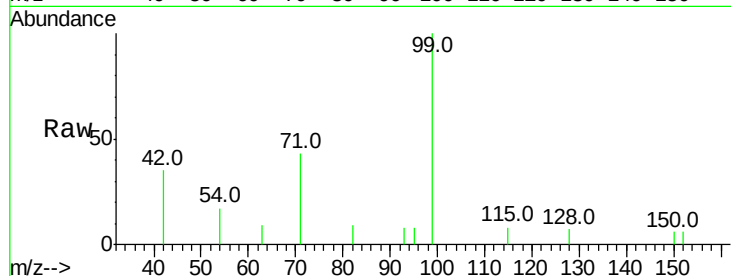
ClientSampled :

SB-01C

Tot Ion:	99	Resp:	3100
Ion	Ratio	Lower	Upper
99	100		
42	23.8	16.0	24.0
71	34.9	30.6	45.8

Manual Integrations
APPROVED

mohammad
2/1/2017 2:29:16 PM



#6

bis(2-Chloroethyl)ether

Concen: 4.51 ng

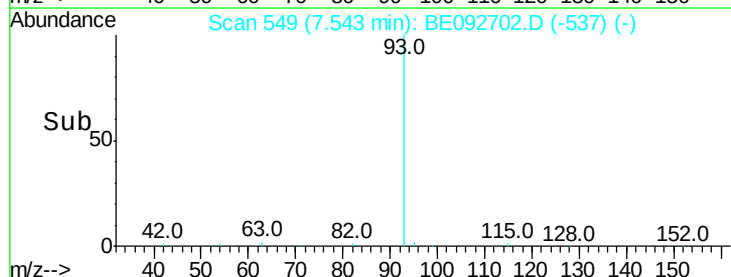
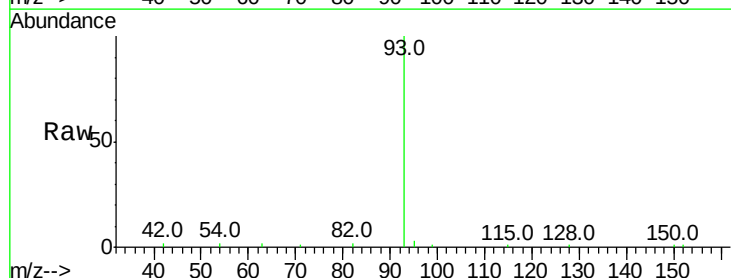
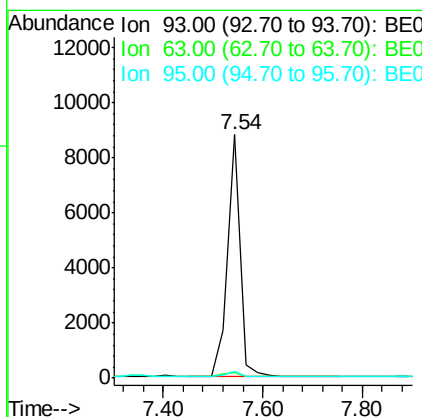
RT: 7.54 min Scan# 549

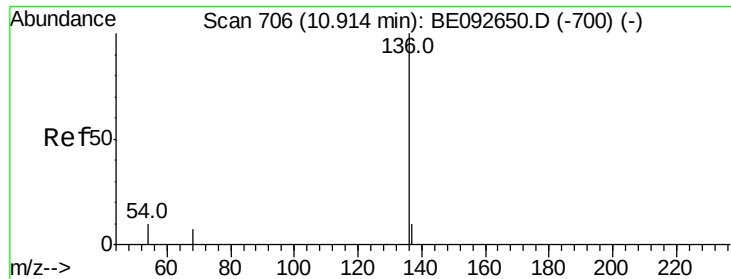
Delta R.T. -0.02 min

Lab File: BE092702.D

Acq: 1 Feb 2017 00:37

Tgt Ion:	93	Resp:	15272
Ion	Ratio	Lower	Upper
93	100		
63	2.2	71.6	107.4#
95	2.2	24.0	36.0#





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.91 min Scan# 706

Delta R.T. -0.00 min

Lab File: BE092702.D

Acq: 1 Feb 2017 00:37

Instrument :

BNA_E

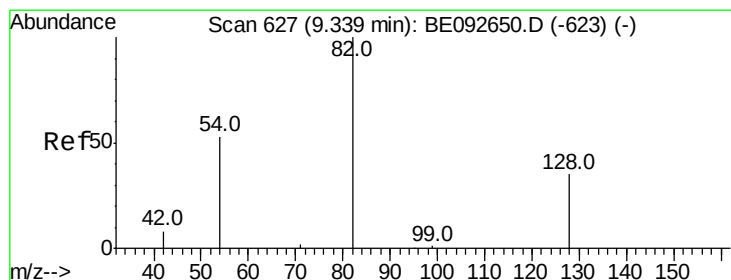
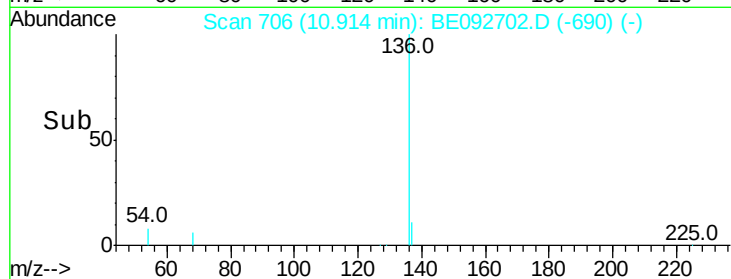
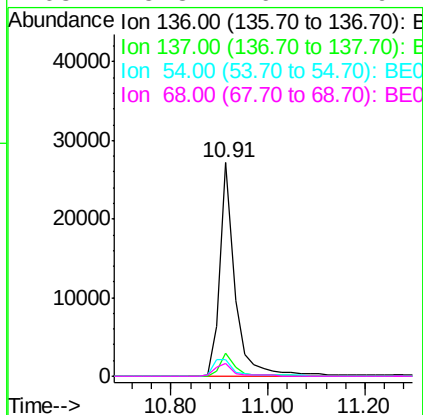
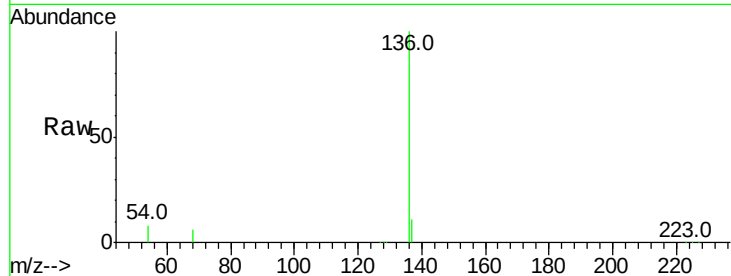
ClientSampleId :

SB-01C

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.2	12.4	
54	8.0	9.6	14.4	
68	5.8	6.7	10.1	

Manual Integrations
APPROVED

mohammad
2/1/2017 2:29:16 PM



#8

Nitrobenzene-d5

Concen: 0.37 ng m

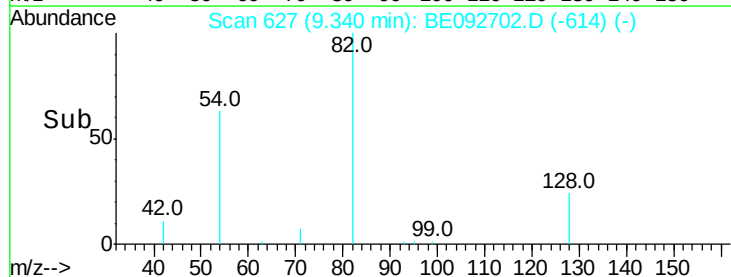
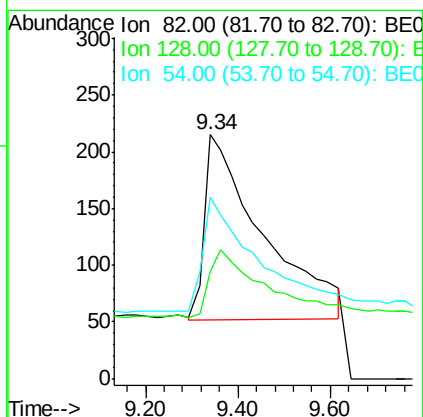
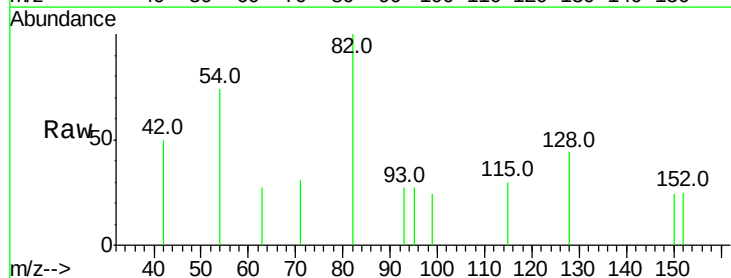
RT: 9.34 min Scan# 627

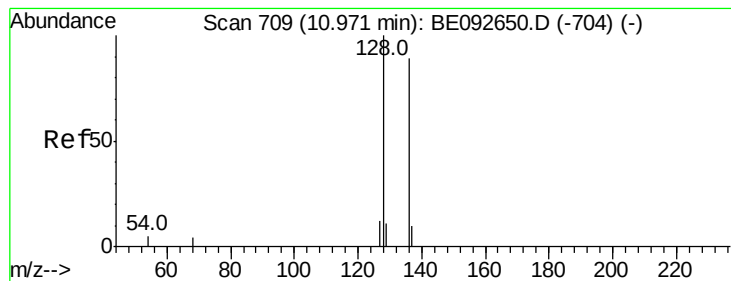
Delta R.T. 0.00 min

Lab File: BE092702.D

Acq: 1 Feb 2017 00:37

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.7	39.0	58.4	
54	74.4	44.8	67.2	





#9

Naphthalene

Concen: 0.05 ng

RT: 10.97 min Scan# 709

Delta R.T. -0.00 min

Lab File: BE092702.D

Acq: 1 Feb 2017 00:37

Instrument :

BNA_E

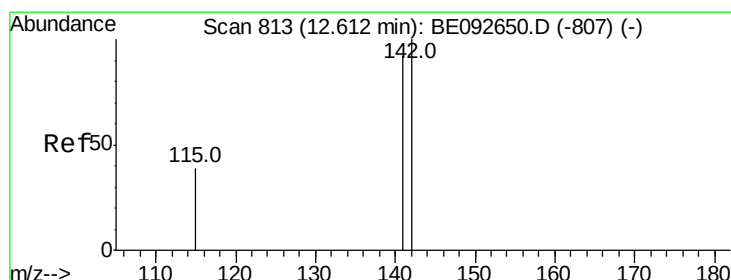
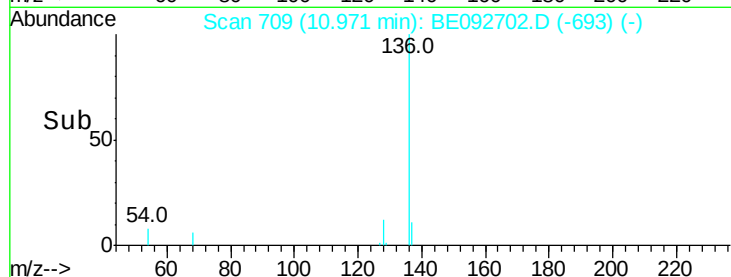
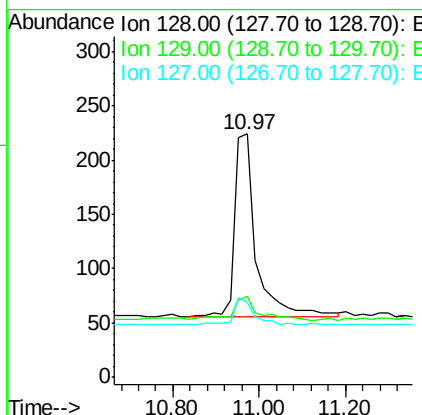
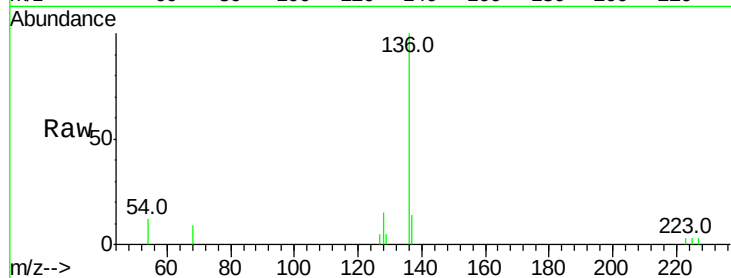
ClientSampleId :

SB-01C

Tot Ion:	128	Resp:	572
Ion Ratio	Lower	Upper	
128	100		
129	33.5	11.2	16.8#
127	30.4	11.6	17.4#

Manual Integrations
APPROVED

mohammad
2/1/2017 2:29:16 PM



#11

2-Methylnaphthalene

Concen: 0.04 ng

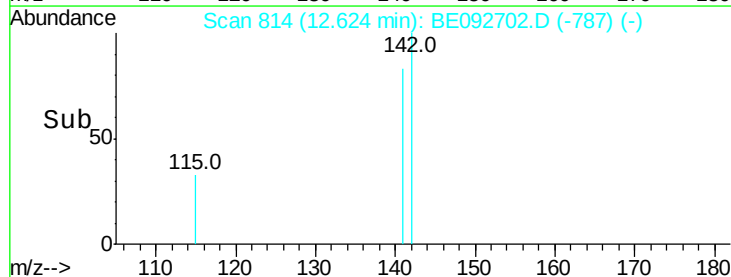
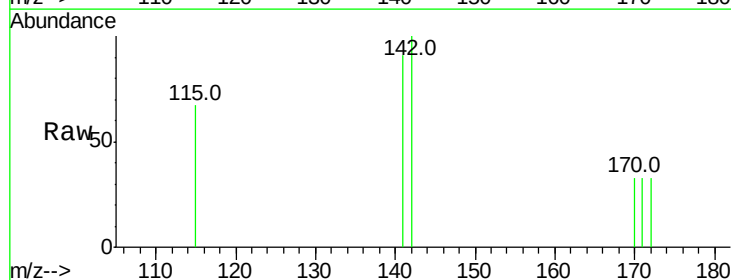
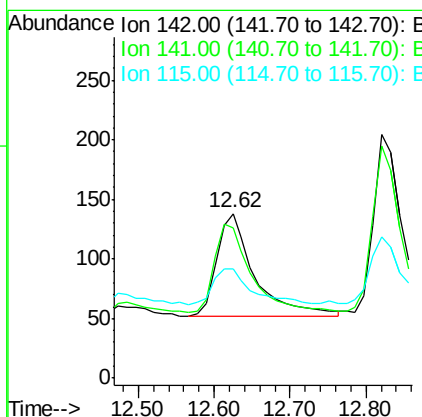
RT: 12.62 min Scan# 814

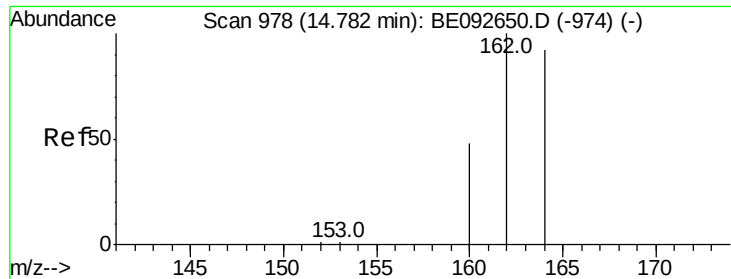
Delta R.T. 0.01 min

Lab File: BE092702.D

Acq: 1 Feb 2017 00:37

Tgt Ion:	142	Resp:	299
Ion Ratio	Lower	Upper	
142	100		
141	91.3	73.7	110.5
115	66.7	34.0	51.0#





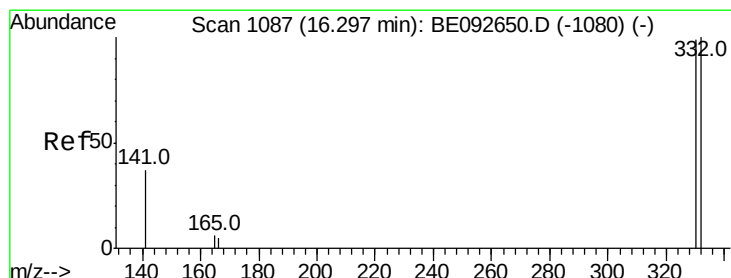
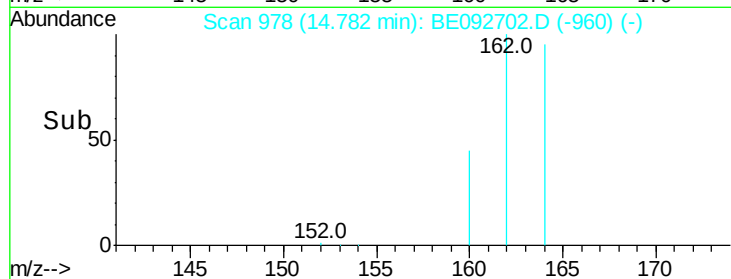
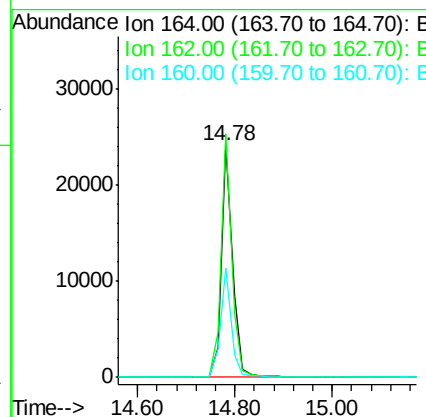
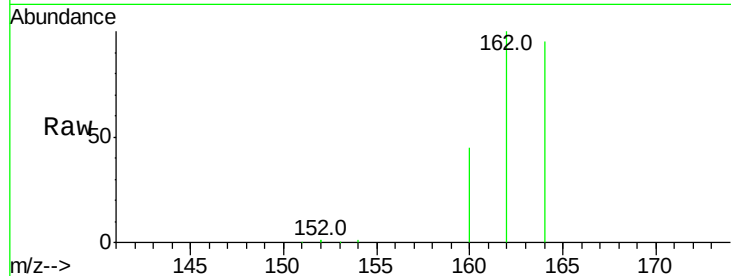
#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.78 min Scan# 978
Delta R.T. 0.00 min
Lab File: BE092702.D
Acq: 1 Feb 2017 00:37

Instrument :
BNA_E
ClientSampleId :
SB-01C

Tot Ion:164 Resp: 38120
Ion Ratio Lower Upper
164 100
162 104.9 71.4 107.0
160 47.1 27.4 41.2#

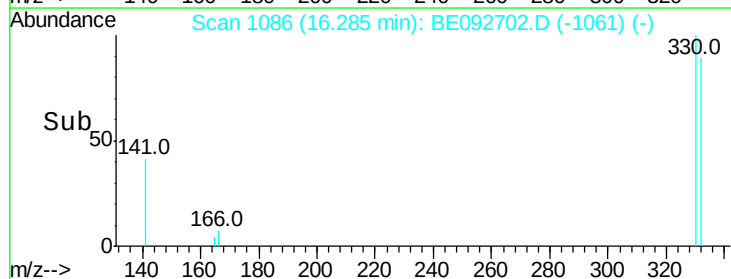
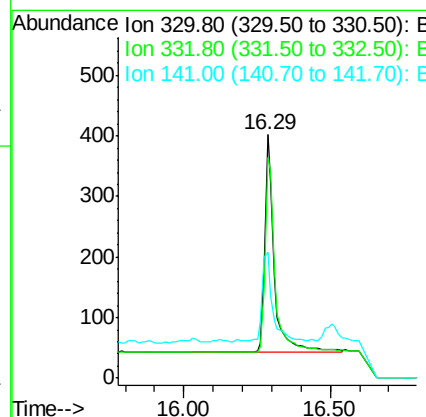
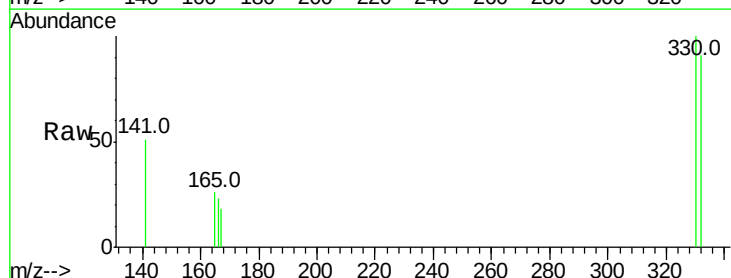
Manual Integrations
APPROVED

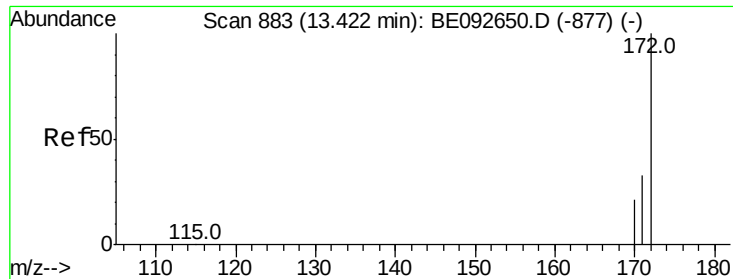
mohammad
2/1/2017 2:29:16 PM



#13
2,4,6-Tribromophenol
Concen: 0.83 ng
RT: 16.29 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BE092702.D
Acq: 1 Feb 2017 00:37

Tgt Ion:330 Resp: 801
Ion Ratio Lower Upper
330 100
332 96.5 75.4 113.0
141 44.7 31.0 46.6





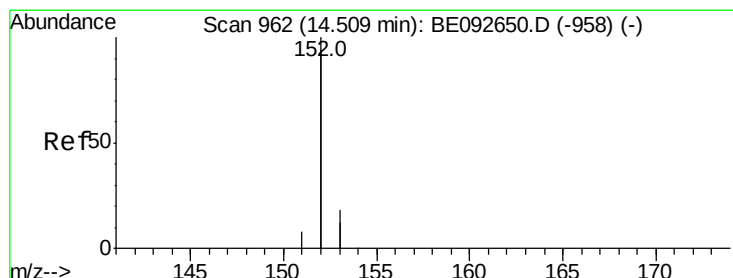
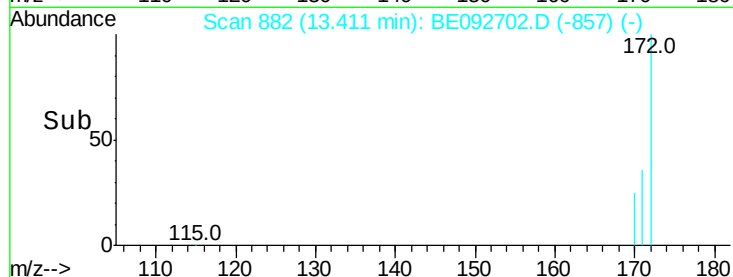
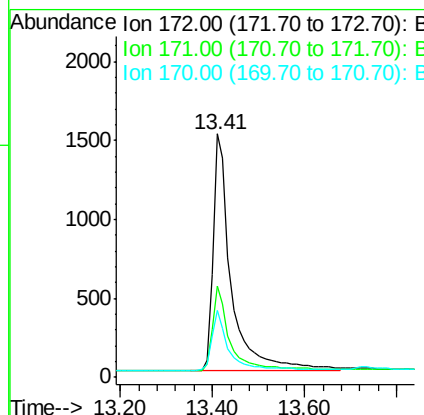
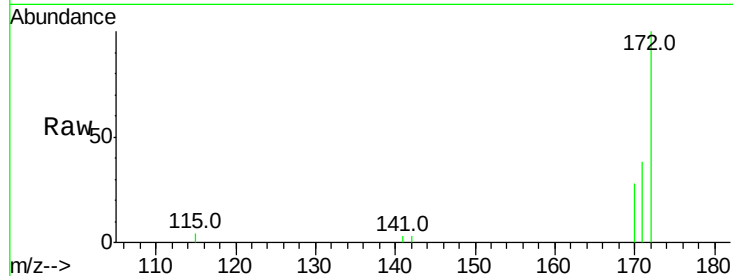
#14
2-Fluorobiphenyl
Concen: 0.44 ng
RT: 13.41 min Scan# 882
Delta R.T. -0.01 min
Lab File: BE092702.D
Acq: 1 Feb 2017 00:37

Instrument :
BNA_E
ClientSampleId :
SB-01C

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.1	45.1
170	27.5	21.8	32.6

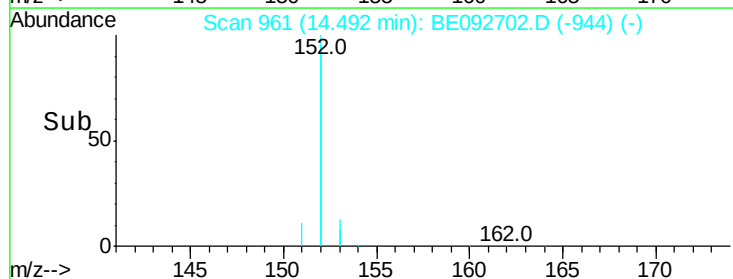
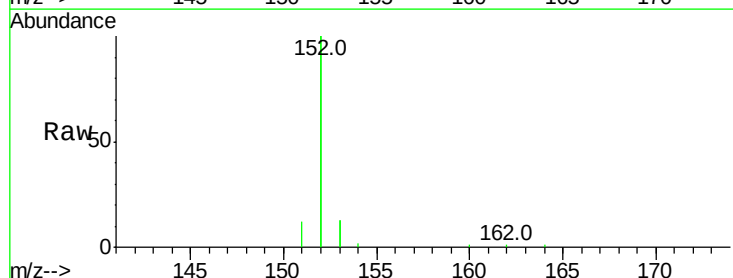
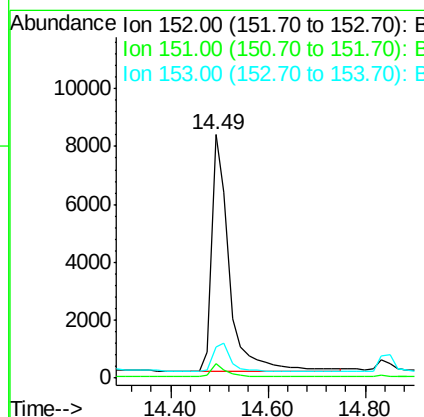
Manual Integrations
APPROVED

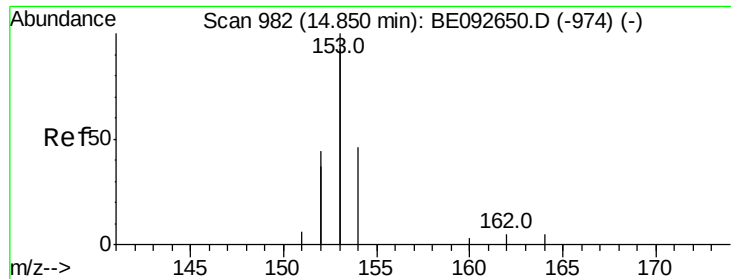
mohammad
2/1/2017 2:29:16 PM



#15
Acenaphthylene
Concen: 0.40 ng
RT: 14.49 min Scan# 961
Delta R.T. -0.02 min
Lab File: BE092702.D
Acq: 1 Feb 2017 00:37

Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	12.5	10.4	15.6





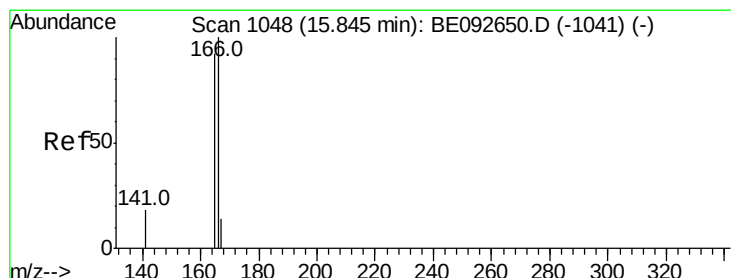
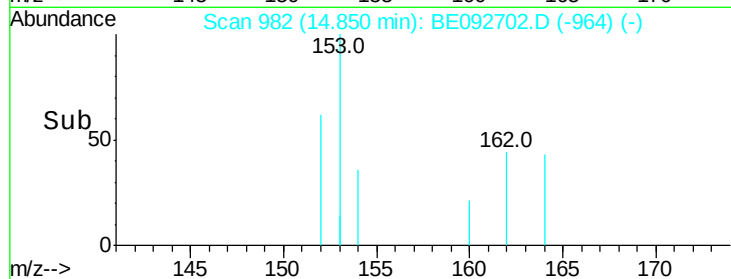
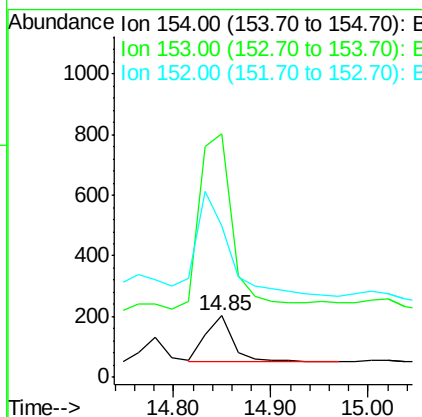
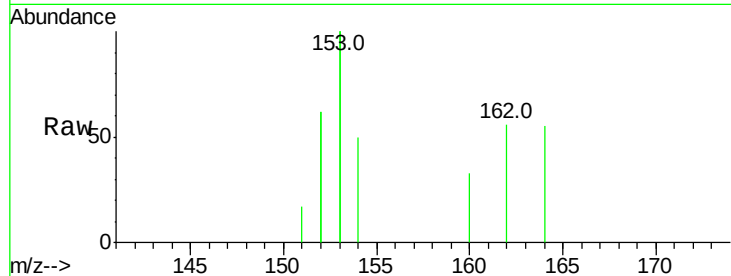
#16
Acenaphthene
Concen: 0.04 ng
RT: 14.85 min Scan# 982
Delta R.T. 0.00 min
Lab File: BE092702.D
Acq: 1 Feb 2017 00:37

Instrument :
BNA_E
ClientSampled :
SB-01C

Tot Ion	Ratio	Lower	Upper
154	100		
153	488.4	350.8	526.2
152	269.3	171.1	256.7#

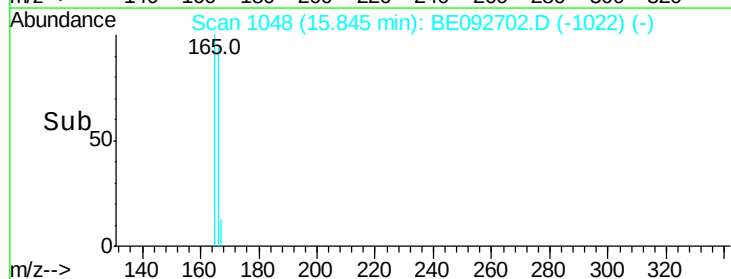
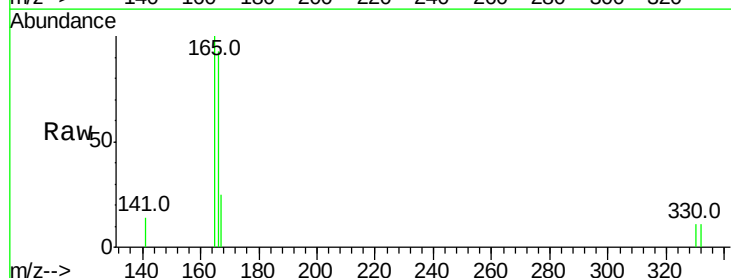
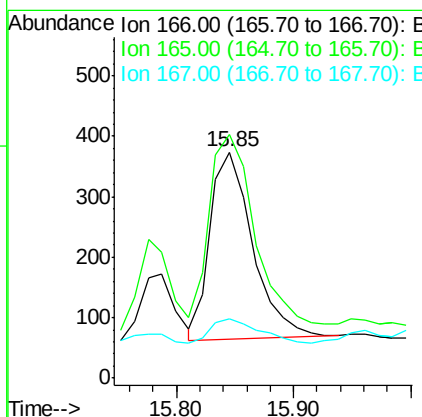
Manual Integrations
APPROVED

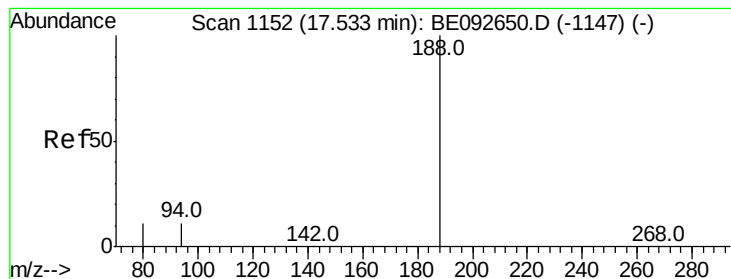
mohammad
2/1/2017 2:29:16 PM



#17
Fluorene
Concen: 0.07 ng
RT: 15.85 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BE092702.D
Acq: 1 Feb 2017 00:37

Tgt Ion	Ratio	Lower	Upper
166	100		
165	109.6	78.2	117.4
167	15.4	11.0	16.4





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.53 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE092702.D

Acq: 1 Feb 2017 00:37

Instrument :

BNA_E

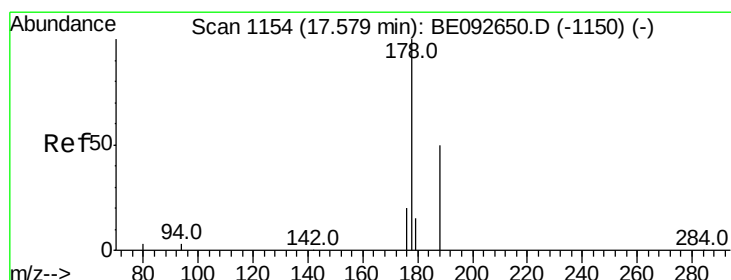
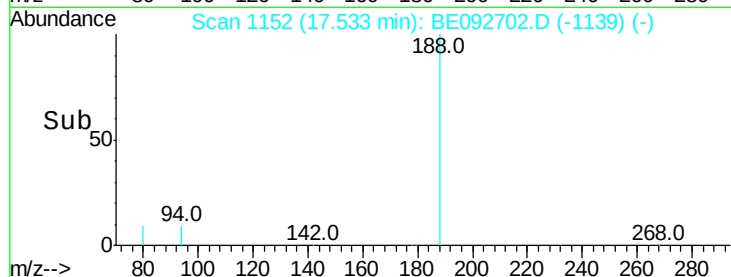
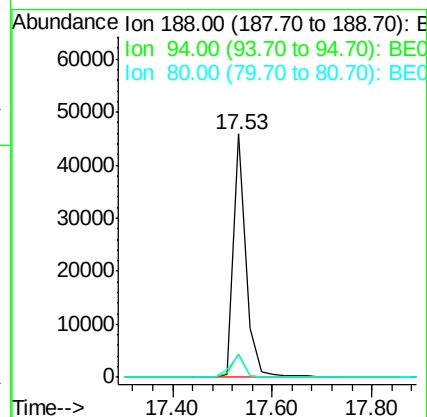
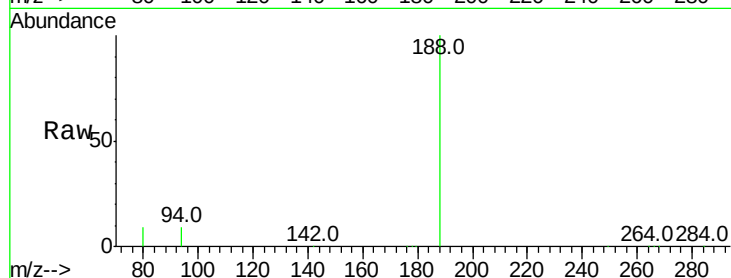
ClientSampleId :

SB-01C

Tot Ion:	188	Resp:	80099
Ion Ratio	Lower	Upper	
188	100		
94	9.4	3.2	4.8#
80	9.4	2.6	3.8#

Manual Integrations
APPROVED

mohammad
2/1/2017 2:29:16 PM



#21

Phenanthrene

Concen: 0.84 ng

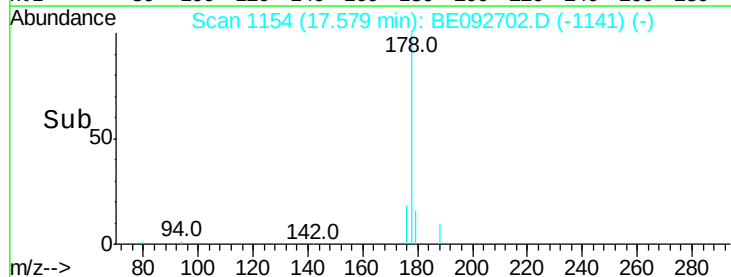
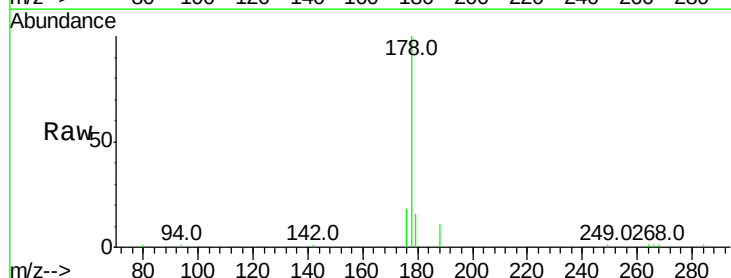
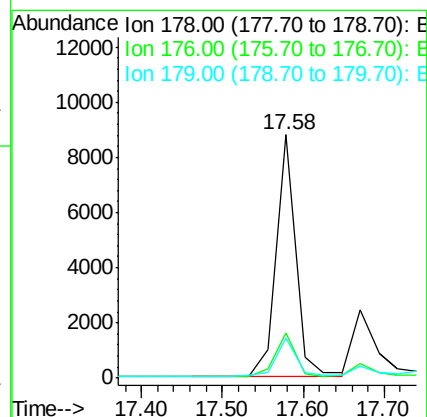
RT: 17.58 min Scan# 1154

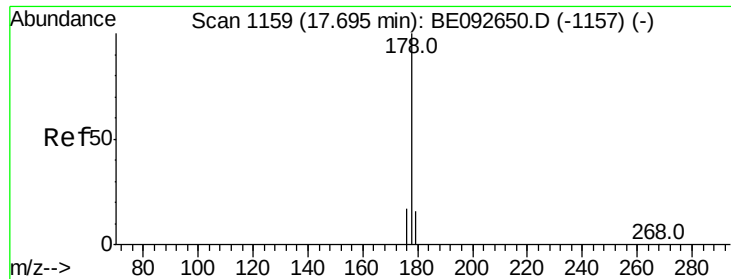
Delta R.T. -0.00 min

Lab File: BE092702.D

Acq: 1 Feb 2017 00:37

Tgt Ion:	178	Resp:	14932
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.8	23.8
179	15.8	16.0	24.0#





#22

Anthracene

Concen: 0.33 ng

RT: 17.67 min Scan# 1158

Delta R.T. -0.02 min

Lab File: BE092702.D

Acq: 1 Feb 2017 00:37

Instrument :

BNA_E

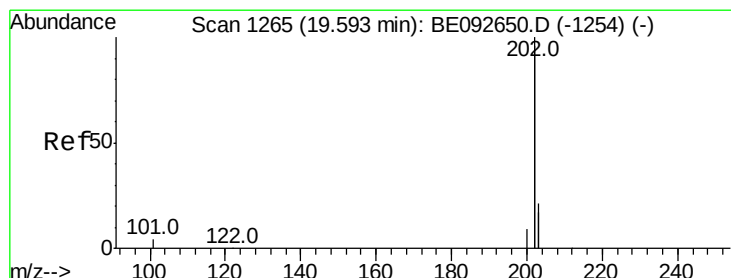
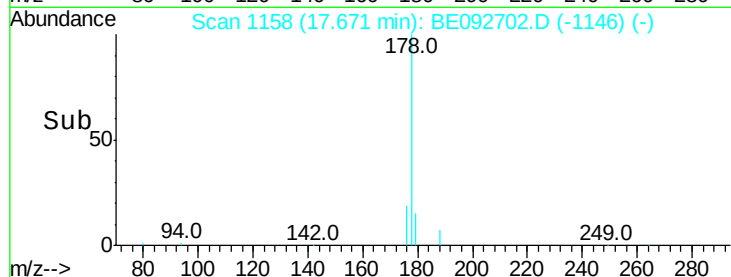
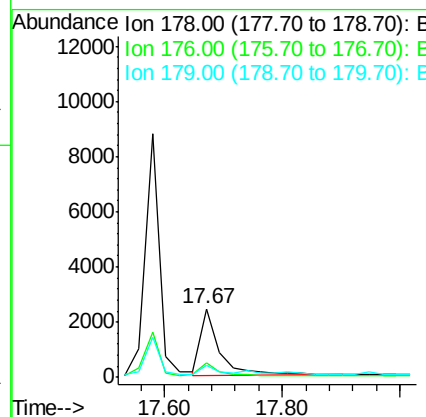
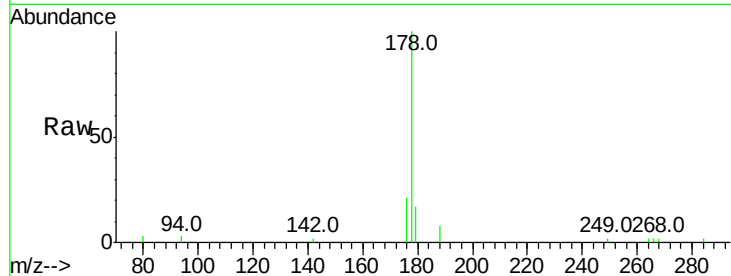
ClientSampled :

SB-01C

Tot Ion:	178	Resp:	5432
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.0	22.4
179	12.9	12.2	18.2

Manual Integrations
APPROVED

mohammad
2/1/2017 2:29:16 PM



#23

Fluoranthene

Concen: 1.75 ng

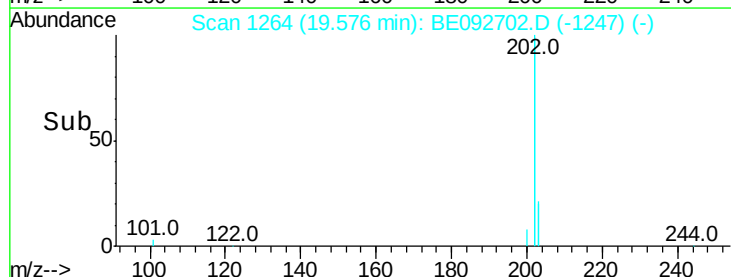
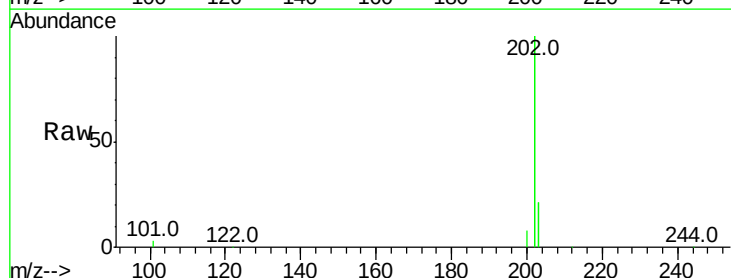
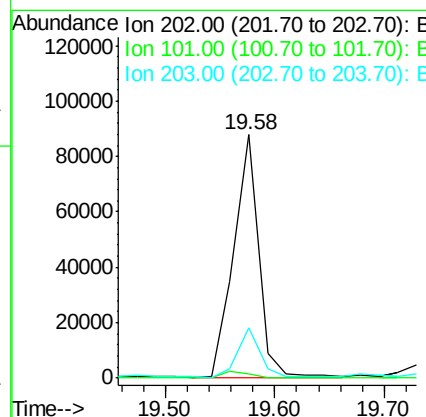
RT: 19.58 min Scan# 1264

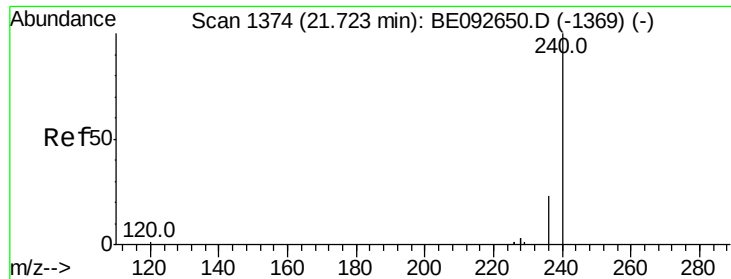
Delta R.T. -0.02 min

Lab File: BE092702.D

Acq: 1 Feb 2017 00:37

Tgt Ion:	202	Resp:	137204
Ion Ratio	Lower	Upper	
202	100		
101	3.0	2.2	3.4
203	17.6	13.7	20.5





#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.72 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE092702.D

Acq: 1 Feb 2017 00:37

Instrument :

BNA_E

ClientSampleId :

SB-01C

Tot Ion:240 Resp: 78797
Ion Ratio Lower Upper

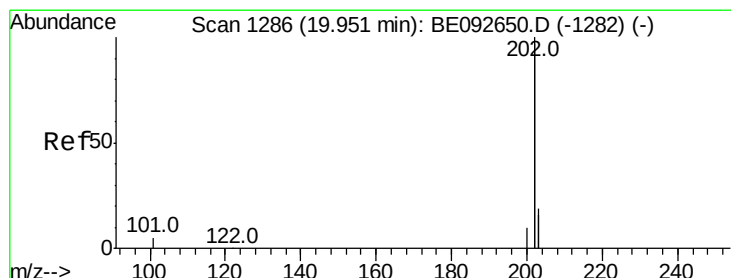
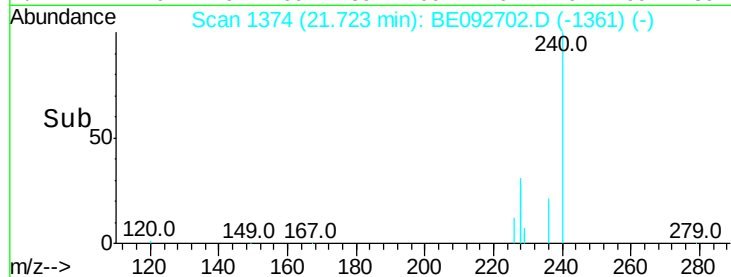
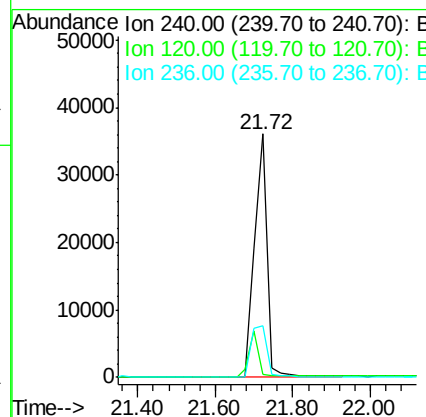
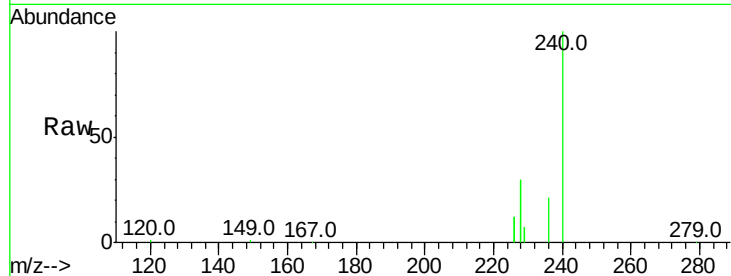
240 100

120 1.0 2.6 4.0#

236 21.4 24.6 37.0#

Manual Integrations
APPROVED

mohammad
2/1/2017 2:29:16 PM



#25

Pyrene

Concen: 2.04 ng

RT: 19.93 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BE092702.D

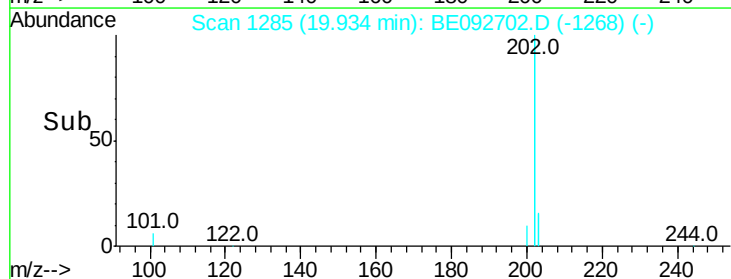
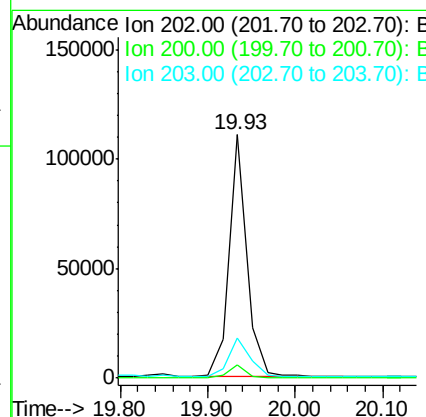
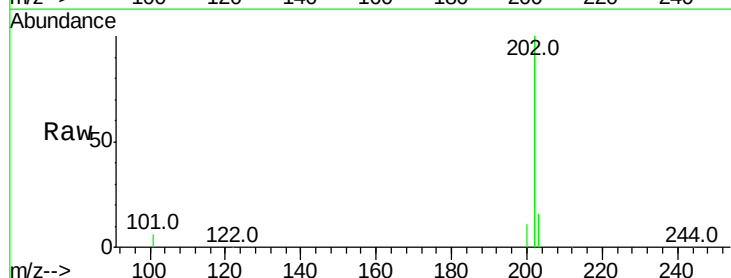
Acq: 1 Feb 2017 00:37

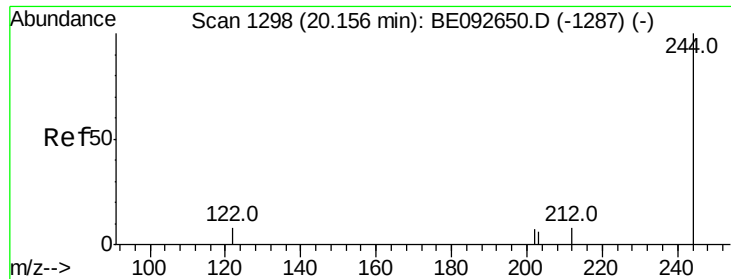
Tgt Ion:202 Resp: 158454
Ion Ratio Lower Upper

202 100

200 5.3 4.2 6.4

203 20.1 13.9 20.9





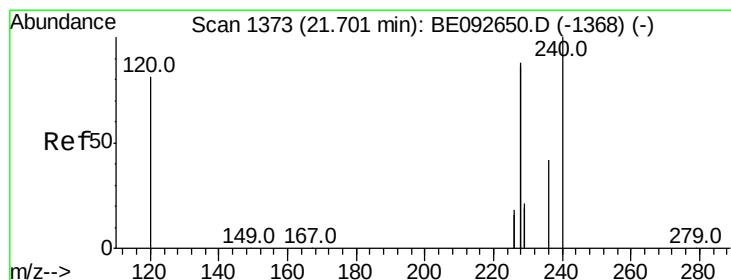
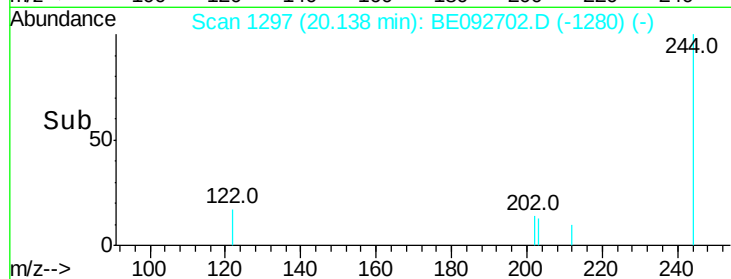
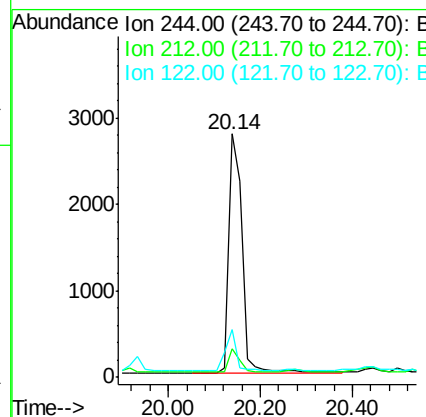
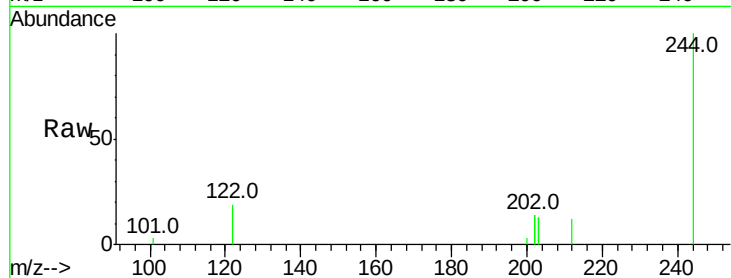
#26
 Terphenyl-d14
 Concen: 0.50 ng
 RT: 20.14 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BE092702.D
 Acq: 1 Feb 2017 00:37

Instrument :
 BNA_E
 ClientSampleId :
 SB-01C

Tot Ion	Ratio	Lower	Upper
244	100		
212	11.8	6.7	10.1#
122	19.5	3.6	5.4#

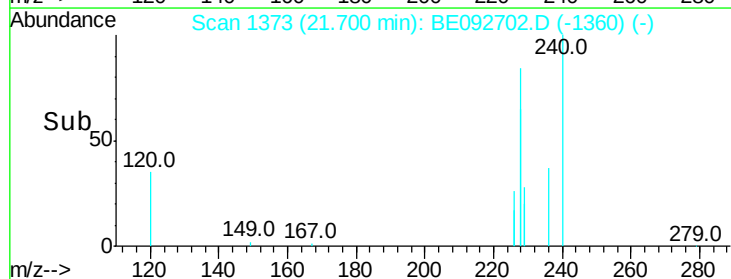
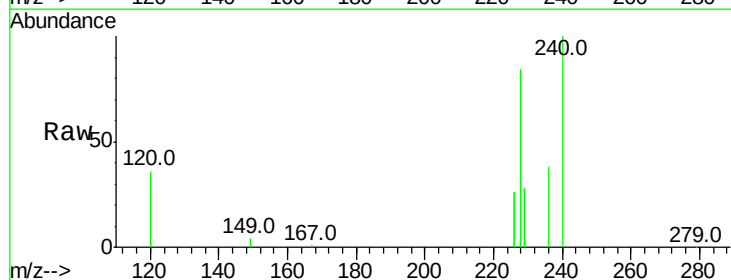
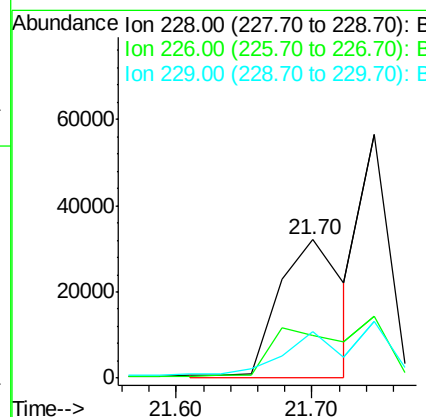
Manual Integrations
 APPROVED

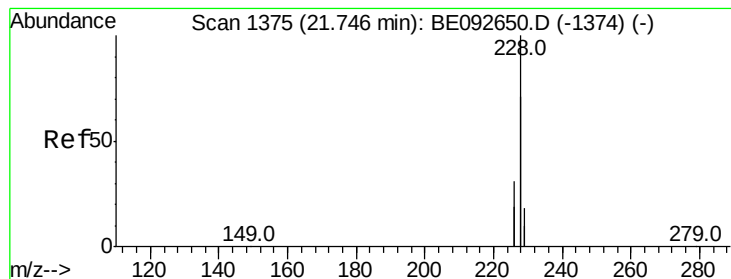
mohammad
 2/1/2017 2:29:16 PM



#27
 Benzo(a)anthracene
 Concen: 1.38 ng m
 RT: 21.70 min Scan# 1373
 Delta R.T. -0.00 min
 Lab File: BE092702.D
 Acq: 1 Feb 2017 00:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.6	35.4
229	33.5	13.3	19.9#





#28

Chrysene

Concen: 0.99 ng/mL

RT: 21.75 min Scan# 1375

Delta R.T. -0.00 min

Lab File: BE092702.D

Acq: 1 Feb 2017 00:37

Instrument :

BNA_E

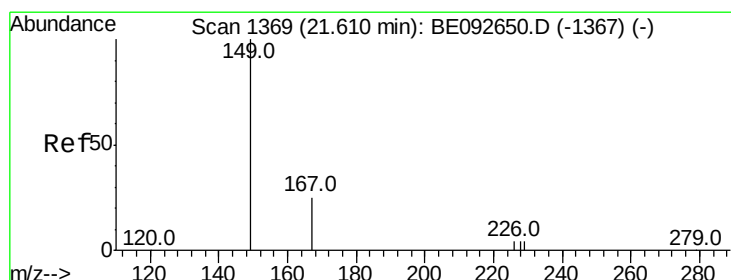
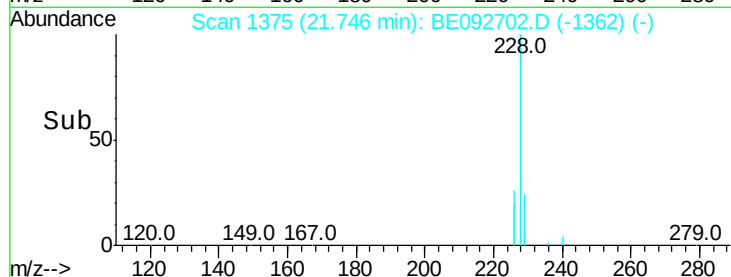
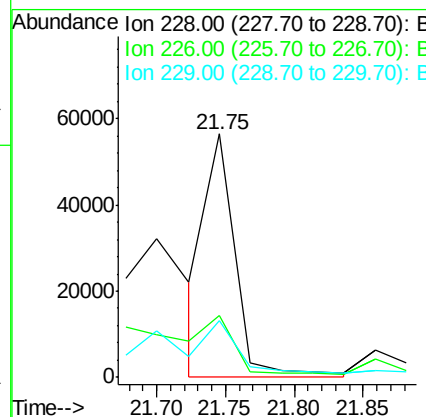
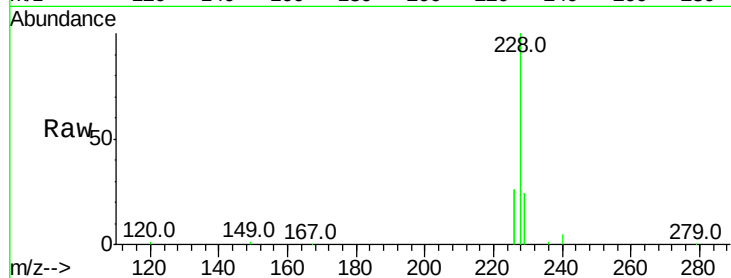
ClientSampleId :

SB-01C

Tot Ion:	228	Resp:	86280
Ion Ratio	Lower	Upper	
228	100		
226	25.5	36.3	54.5#
229	23.5	10.6	16.0#

Manual Integrations
APPROVED

mohammad
2/1/2017 2:29:16 PM



#29

Bis(2-ethylhexyl)phthalate

Concen: 1.51 ng

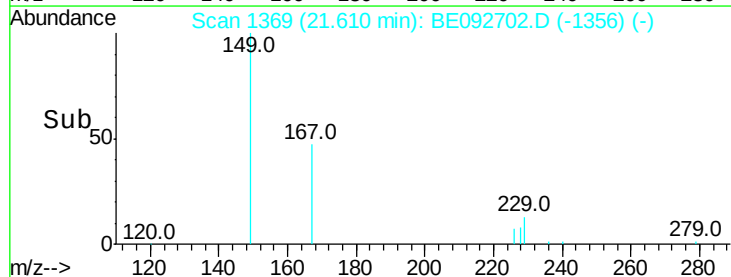
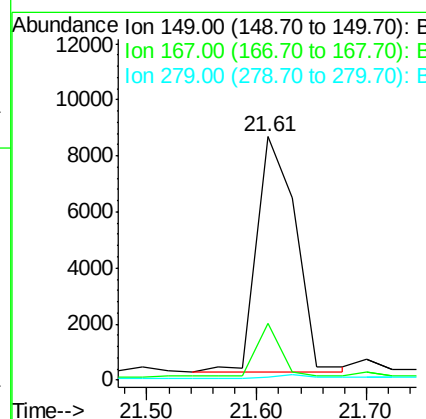
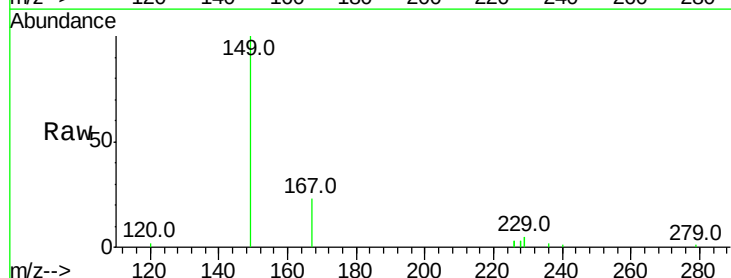
RT: 21.61 min Scan# 1369

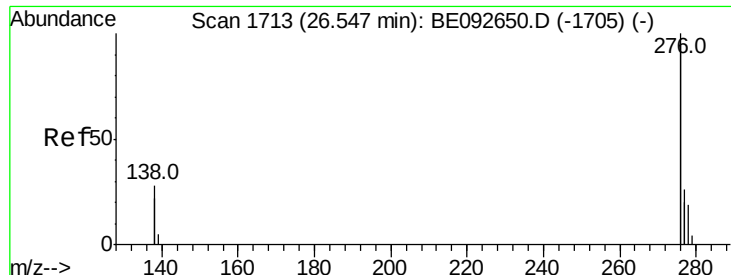
Delta R.T. -0.00 min

Lab File: BE092702.D

Acq: 1 Feb 2017 00:37

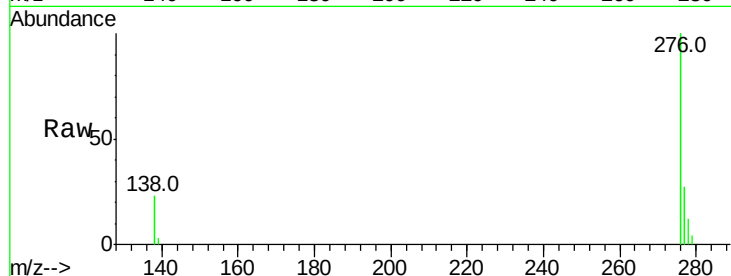
Tgt Ion:	149	Resp:	20835
Ion Ratio	Lower	Upper	
149	100		
167	14.1	16.0	24.0#
279	0.0	16.0	24.0#





#30
Indeno(1,2,3-cd)pyrene
Concen: 0.59 ng
RT: 26.53 min Scan# 1712
Delta R.T. -0.02 min
Lab File: BE092702.D
Acq: 1 Feb 2017 00:37

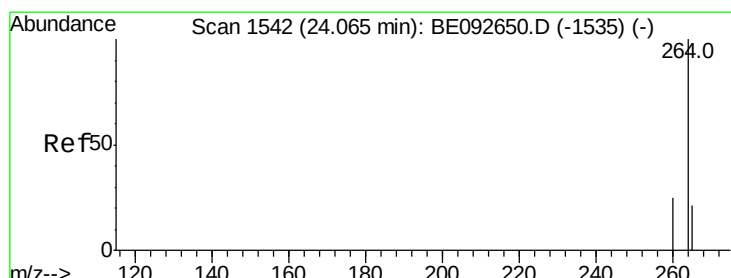
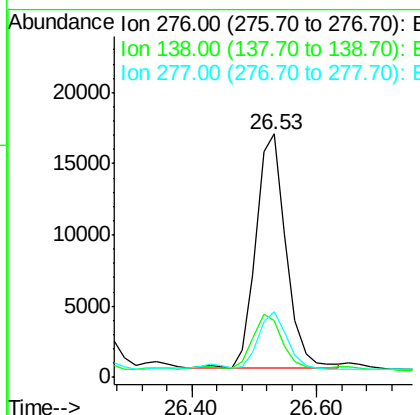
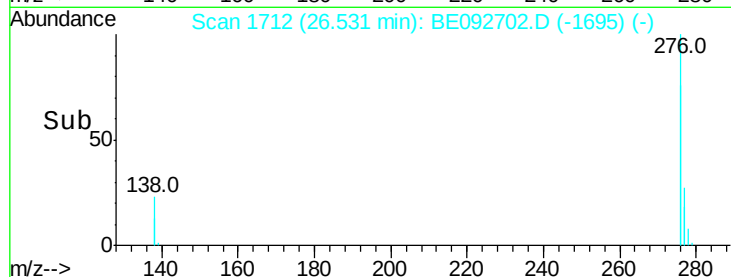
Instrument :
BNA_E
ClientSampleId :
SB-01C



Tot Ion	Ratio	Lower	Upper
276	100		
138	23.3	20.3	30.5
277	23.7	19.7	29.5

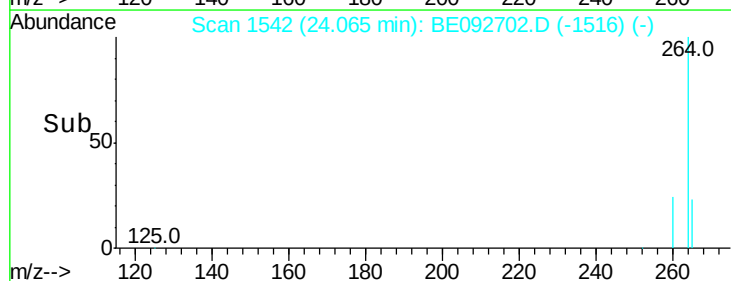
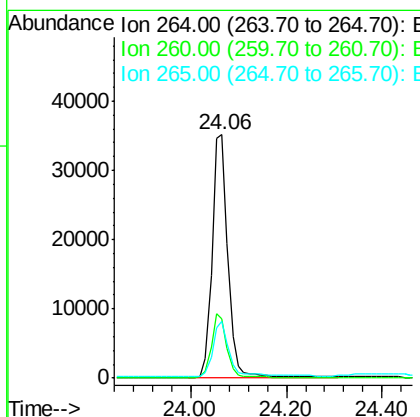
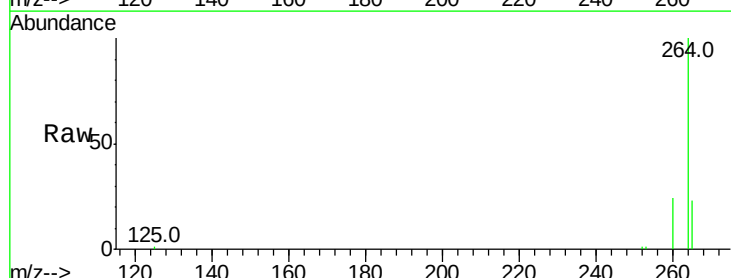
Manual Integrations
APPROVED

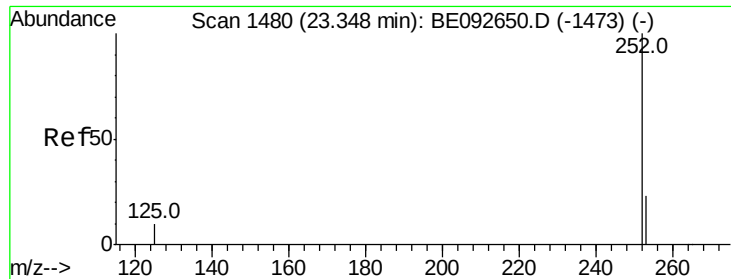
mohammad
2/1/2017 2:29:16 PM



#31
Perylene-d12
Concen: 5.00 ng
RT: 24.06 min Scan# 1542
Delta R.T. -0.00 min
Lab File: BE092702.D
Acq: 1 Feb 2017 00:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	20.1	30.1
265	23.2	17.9	26.9





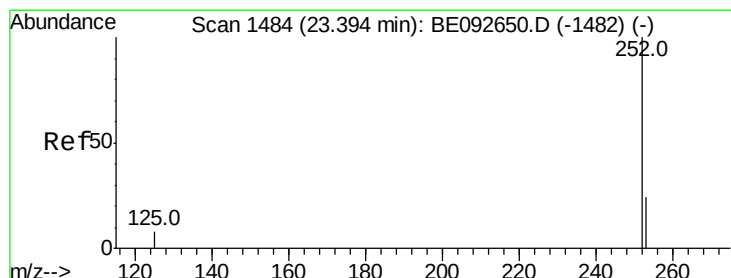
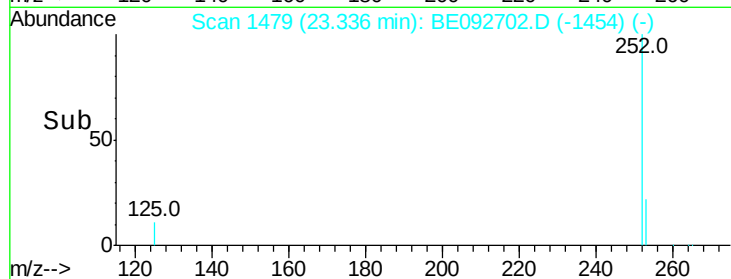
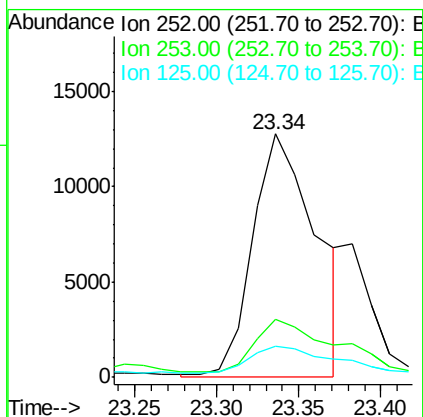
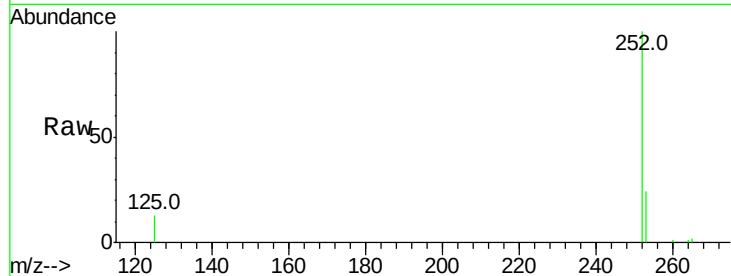
#32
Benzo(b)fluoranthene
Concen: 1.75 ng m
RT: 23.34 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BE092702.D
Acq: 1 Feb 2017 00:37

Instrument :
BNA_E
ClientSampleId :
SB-01C

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.7	28.1
125	12.6	10.5	15.7

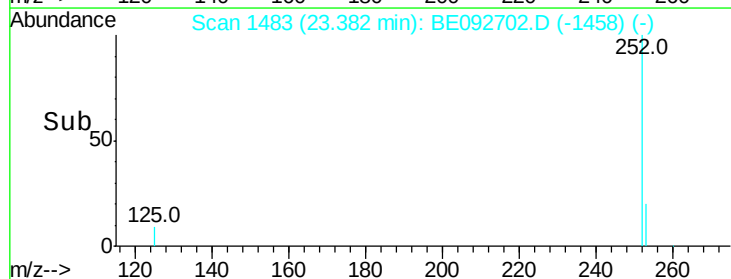
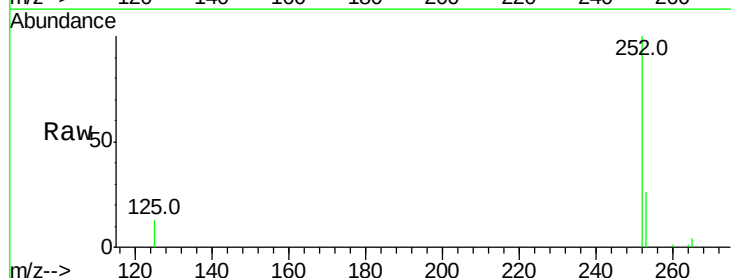
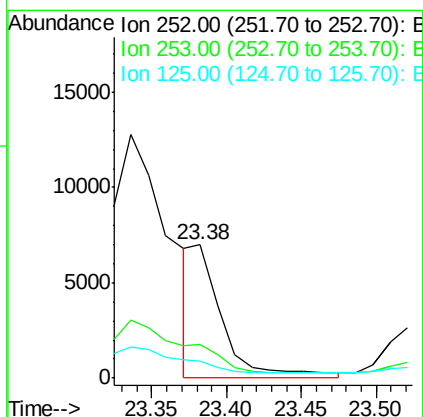
Manual Integrations
APPROVED

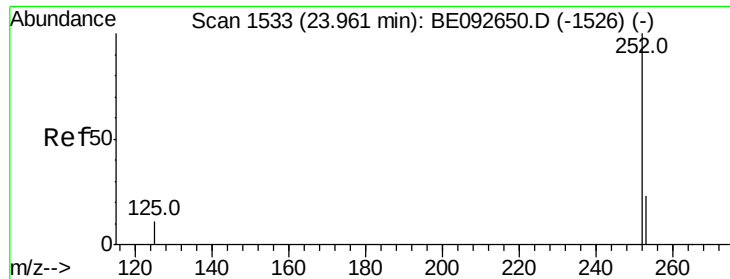
mohammad
2/1/2017 2:29:16 PM



#33
Benzo(k)fluoranthene
Concen: 0.50 ng m
RT: 23.38 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BE092702.D
Acq: 1 Feb 2017 00:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	20.3	30.5
125	12.9	9.6	14.4





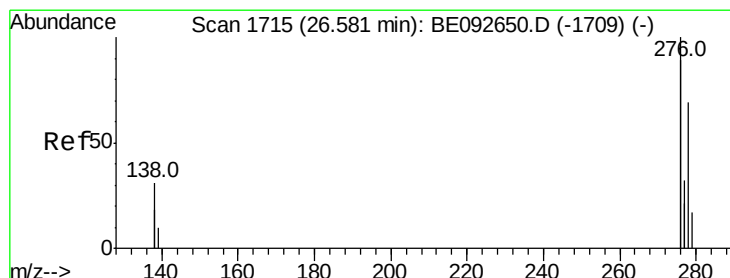
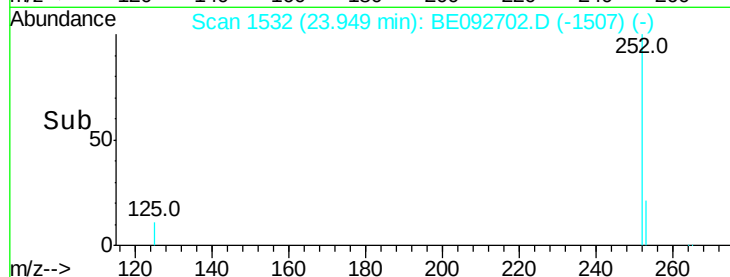
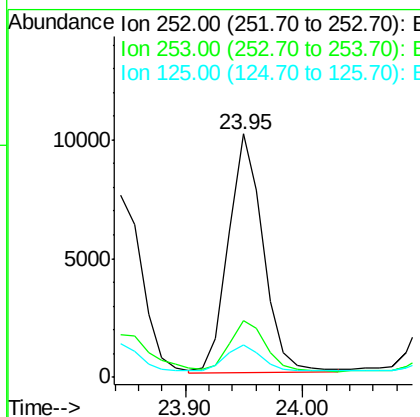
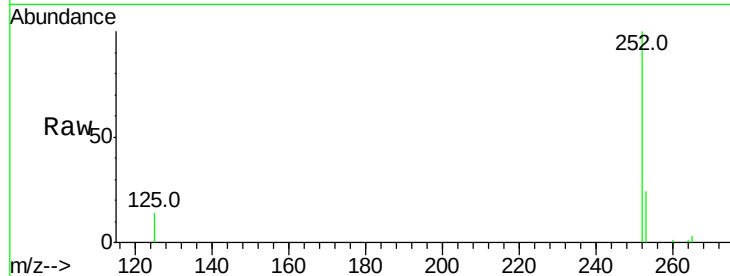
#34
Benzo(a)pyrene
Concen: 1.11 ng
RT: 23.95 min Scan# 1532
Delta R.T. -0.01 min
Lab File: BE092702.D
Acq: 1 Feb 2017 00:37

Instrument :
BNA_E
ClientSampleId :
SB-01C

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.0	28.6
125	13.6	11.8	17.8

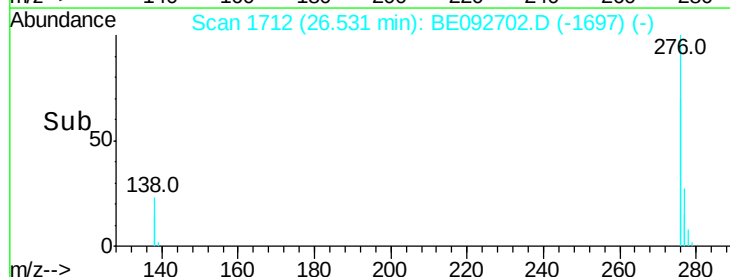
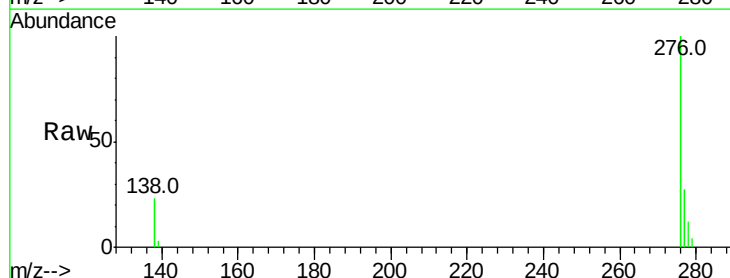
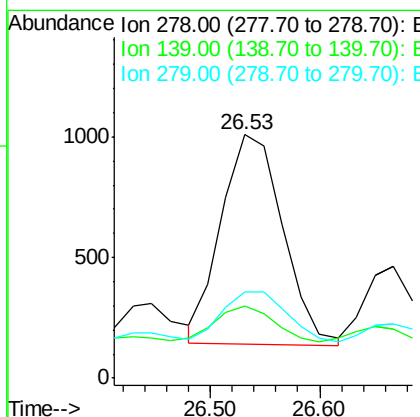
Manual Integrations
APPROVED

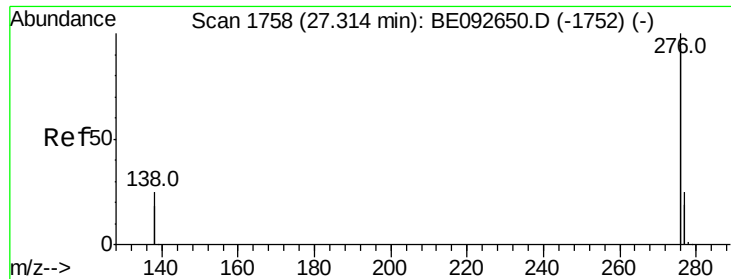
mohammad
2/1/2017 2:29:16 PM



#35
Dibenzo(a,h)anthracene
Concen: 0.19 ng
RT: 26.53 min Scan# 1712
Delta R.T. -0.05 min
Lab File: BE092702.D
Acq: 1 Feb 2017 00:37

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.4	13.8	20.8#
279	35.3	21.4	32.2#





#36
 Benzo(a,h,i)perylene
 Concen: 0.76 ng
 RT: 27.28 min Scan# 1756
 Delta R.T. -0.03 min
 Lab File: BE092702.D
 Acq: 1 Feb 2017 00:37

Instrument :
 BNA_E
 ClientSampleId :
 SB-01C

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.8	29.8
138	26.5	19.8	29.6

Manual Integrations
 APPROVED

mohammad
 2/1/2017 2:29:16 PM

