

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
 Data File : BE100290.D
 Acq On : 2 Jul 2019 7:09
 Operator : JU/SJ
 Sample : K3445-07DL 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-007-B257-061819DL

Manual Integrations
 APPROVED

mohammad
 7/3/2019 10:53:15 PM

Quant Time: Jul 02 08:20:46 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 14:06:53 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	961	0.40	ng	0.00
7) Naphthalene-d8	10.44	136	3399	0.40	ng	0.00
13) Acenaphthene-d10	14.33	164	2535	0.40	ng	0.01
19) Phenanthrene-d10	17.07	188	7114	0.40	ng	0.01
27) Chrysene-d12	21.24	240	9283	0.40	ng	0.00
34) Perylene-d12	23.68	264	11112	0.40	ng	0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.23	112	138	0.06	ng	0.01
5) Phenol-d6	6.85	99	138	0.04	ng	0.01
8) Nitrobenzene-d5	8.83	82	158	0.05	ng	0.01
11) 2-Methylnaphthalene-d10	12.05	152	414	0.06	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	87	0.05	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	499	0.05	ng	0.00
25) Fluoranthene-d10	19.10	212	6334	0.06	ng	0.00
29) Terphenyl-d14	19.70	244	1146	0.06	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.48	128	2081	0.056	ng	# 89
12) 2-Methylnaphthalene	12.12	142	269	0.041	ng	# 92
16) Acenaphthylene	14.04	152	1268	0.104	ng	# 95
17) Acenaphthene	14.38	154	1201	0.174	ng	98
18) Fluorene	15.37	166	1712	0.168	ng	# 97
23) Phenanthrene	17.11	178	33287	1.931	ng	100
24) Anthracene	17.20	178	7110	0.458	ng	97
26) Fluoranthene	19.13	202	66266	2.413	ng	99
28) Pyrene	19.50	202	61271	2.493	ng	# 96
30) Benzo(a)anthracene	21.23	228	40374	1.323	ng	98
31) Chrysene	21.28	228	35780	1.167	ng	96
33) Indeno(1,2,3-cd)pyrene	26.24	276	20352	0.502	ng	# 95
35) Benzo(b)fluoranthene	22.93	252	45502	1.510	ng	# 97
36) Benzo(k)fluoranthene	22.98	252	16274m	0.484	ng	
37) Benzo(a)pyrene	23.57	252	33436	1.107	ng	# 96
38) Dibenzo(a,h)anthracene	26.25	278	4819	0.153	ng	# 72
39) Benzo(a,h,i)perylene	27.03	276	18620	0.575	ng	95

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

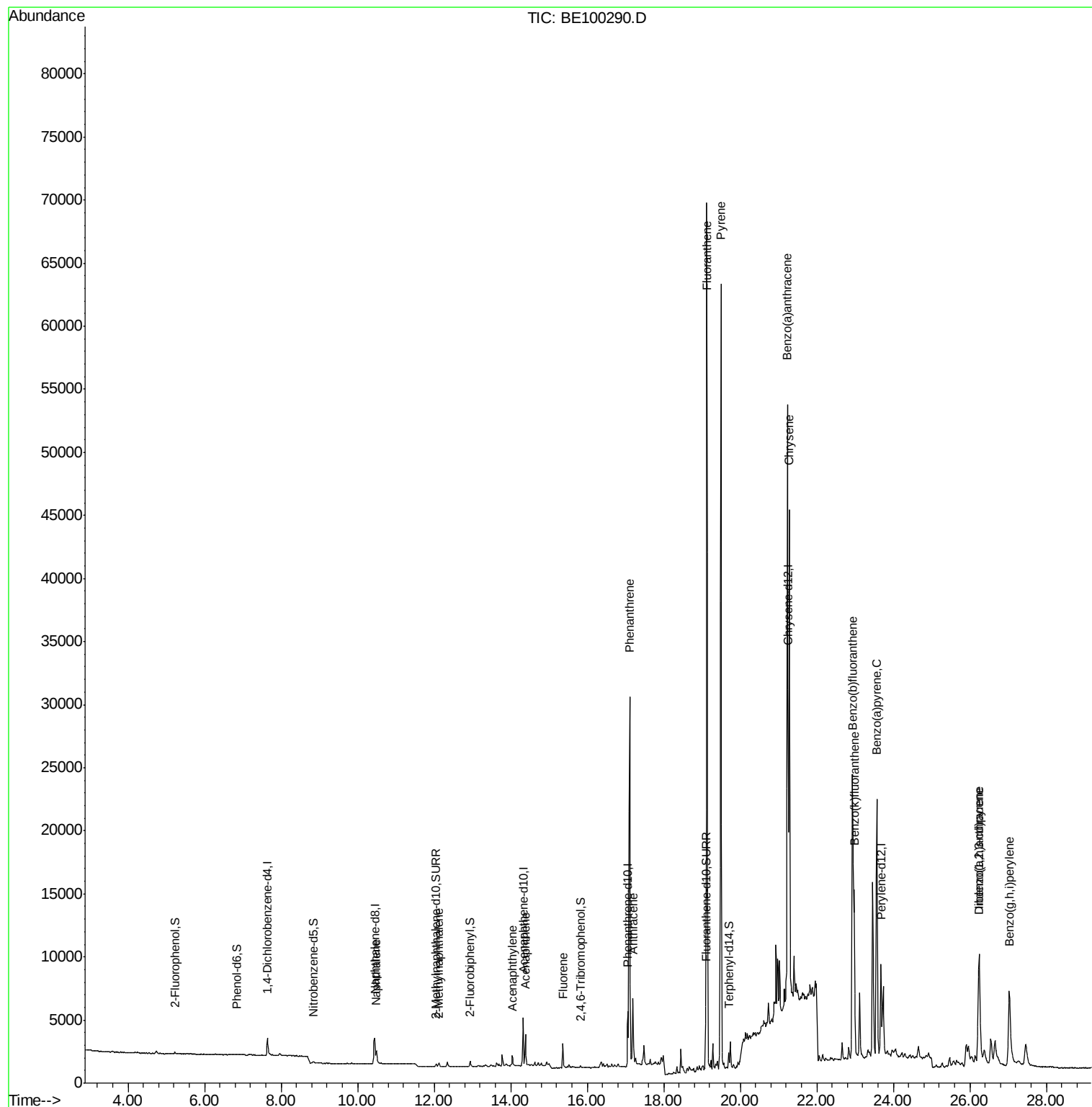
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
Data File : BE100290.D
Acq On : 2 Jul 2019 7:09
Operator : JU/SJ
Sample : K3445-07DL 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

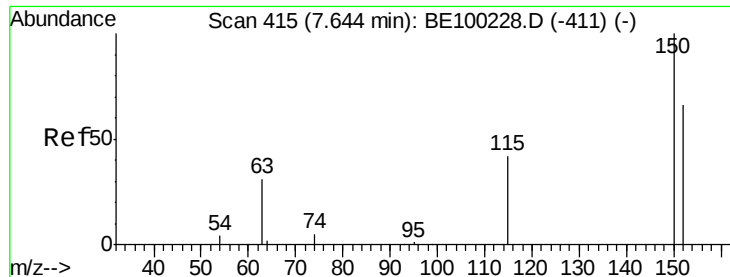
Instrument :
BNA_E
ClientSampleId :
PST-007-B257-061819DL

Manual Integrations
APPROVED

mohammad
7/3/2019 10:53:15 PM

Quant Time: Jul 02 08:20:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 14:06:53 2019
Response via : Initial Calibration





#1

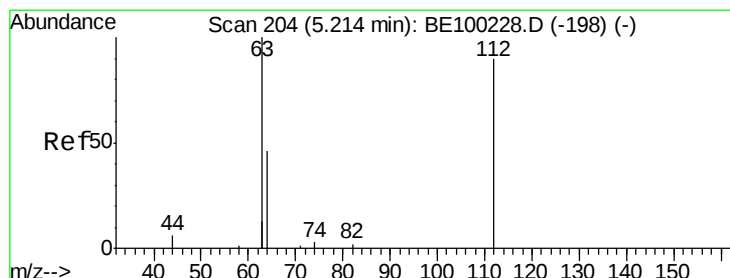
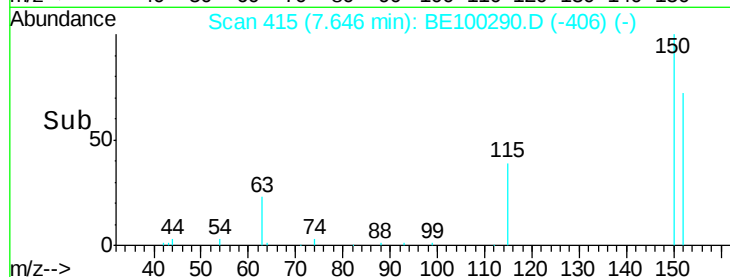
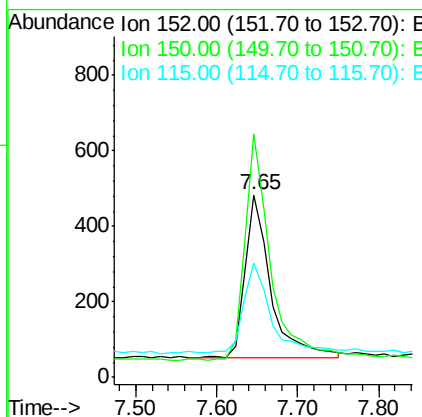
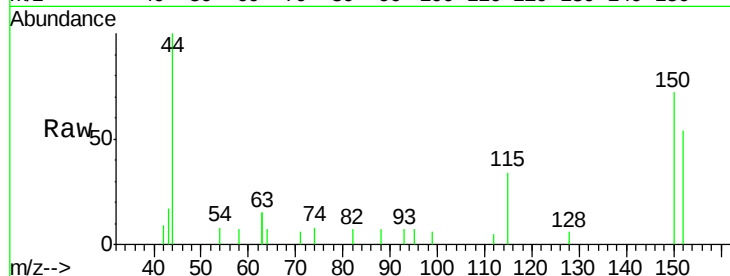
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.65 min Scan# 415
Delta R.T. 0.00 min
Lab File: BE100290.D
Acq: 2 Jul 2019 7:09

Instrument :
BNA_E
ClientSampleId :
PST-007-B257-061819DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	133.5	114.5	171.7
115	62.5	57.1	85.7

Manual Integrations
APPROVED

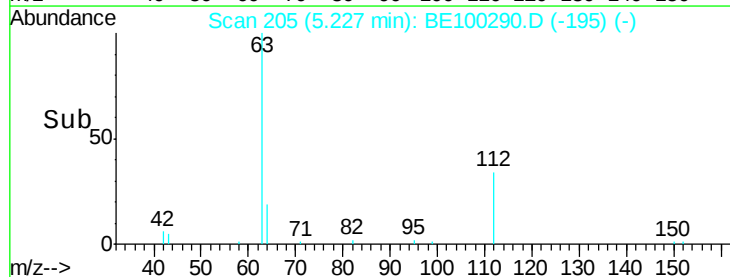
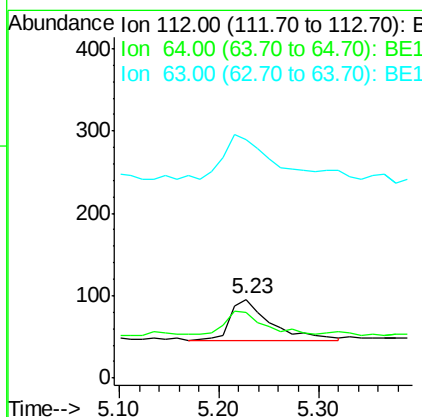
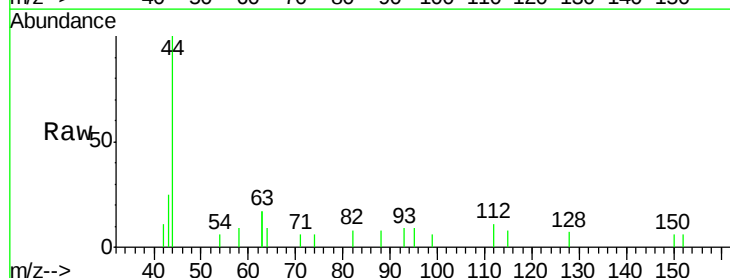
mohammad
7/3/2019 10:53:15 PM

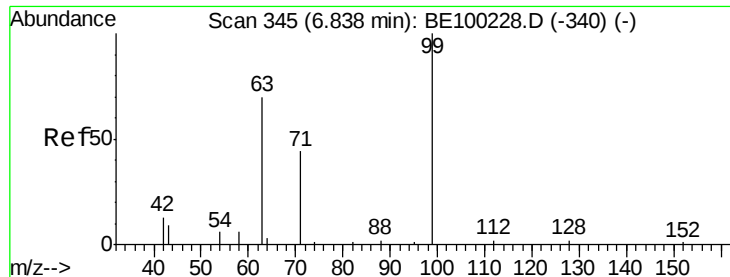


#4

2-Fluorophenol
Concen: 0.056 ng
RT: 5.23 min Scan# 205
Delta R.T. 0.01 min
Lab File: BE100290.D
Acq: 2 Jul 2019 7:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.8	39.4	59.0
63	131.2	104.5	156.7





#5

Phenol-d6

Concen: 0.043 ng

RT: 6.85 min Scan# 346

Delta R.T. 0.01 min

Lab File: BE100290.D

Acq: 2 Jul 2019 7:09

Instrument :

BNA_E

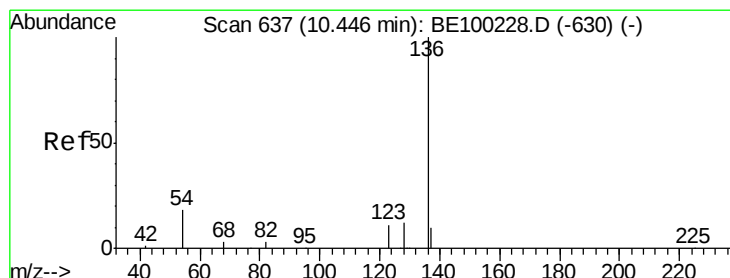
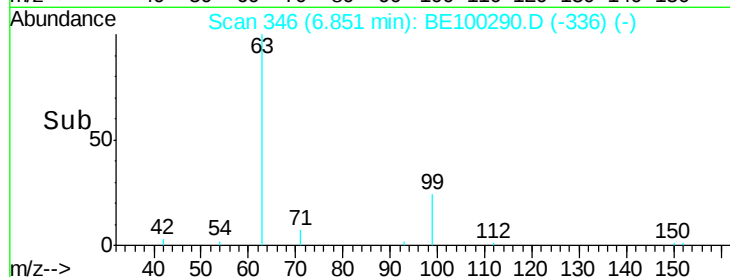
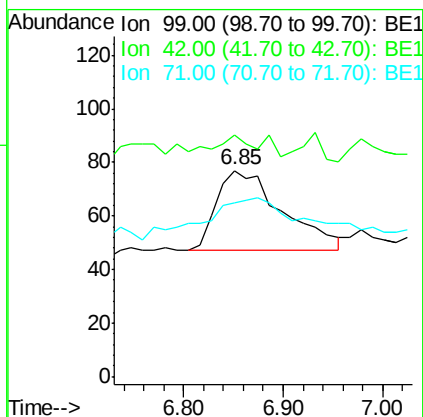
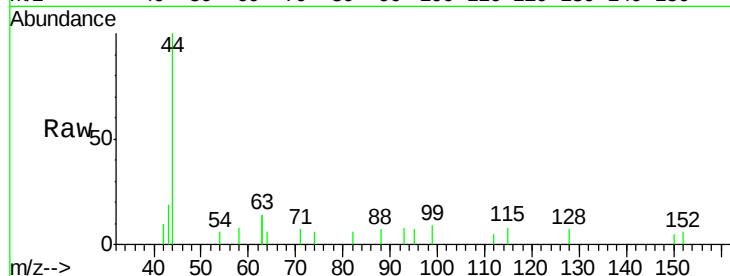
ClientSampleId :

PST-007-B257-061819DL

Tot Ion:	99	Resp:	138
Ion	Ratio	Lower	Upper
99	100		
42	14.5	11.2	16.8
71	0.0	37.2	55.8#

Manual Integrations
APPROVED

mohammad
7/3/2019 10:53:15 PM



#7

Naphthalene-d8

Concen: 0.400 ng

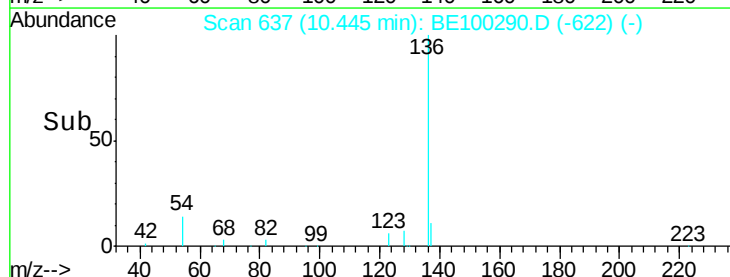
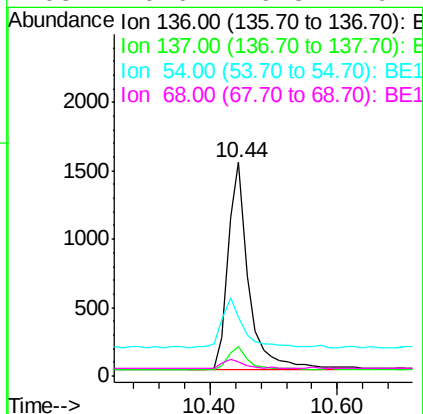
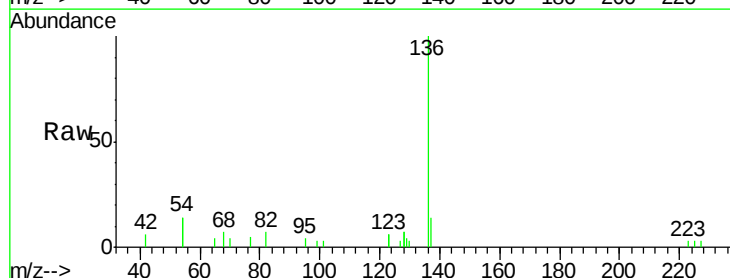
RT: 10.44 min Scan# 637

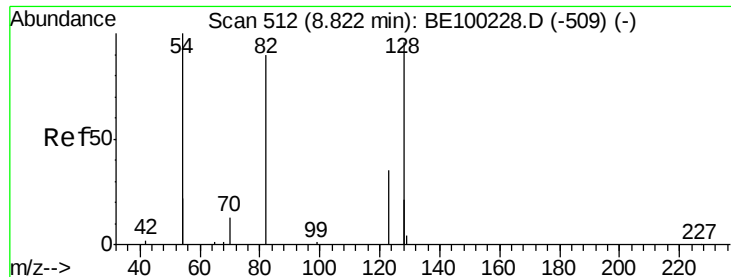
Delta R.T. -0.00 min

Lab File: BE100290.D

Acq: 2 Jul 2019 7:09

Tgt Ion:	136	Resp:	3399
Ion	Ratio	Lower	Upper
136	100		
137	13.7	11.8	17.8
54	27.8	27.7	41.5
68	6.6	6.8	10.2#





#8

Nitrobenzene-d5

Concen: 0.047 ng

RT: 8.83 min Scan# 513

Delta R.T. 0.01 min

Lab File: BE100290.D

Acq: 2 Jul 2019 7:09

Instrument :

BNA_E

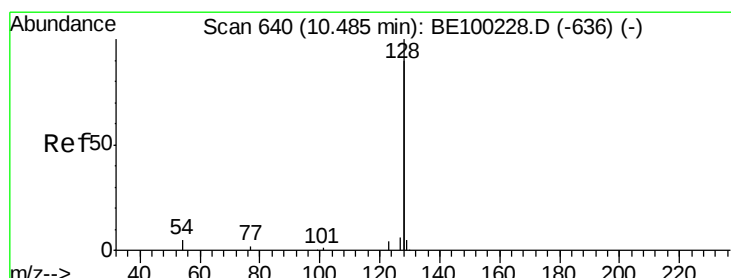
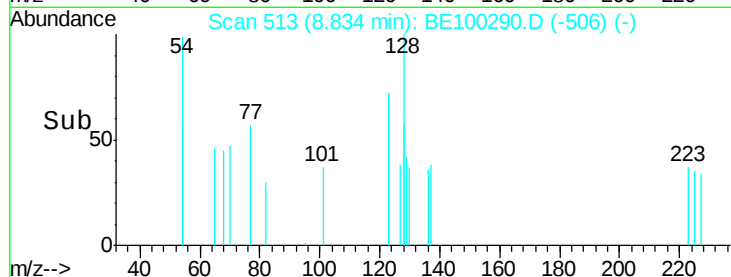
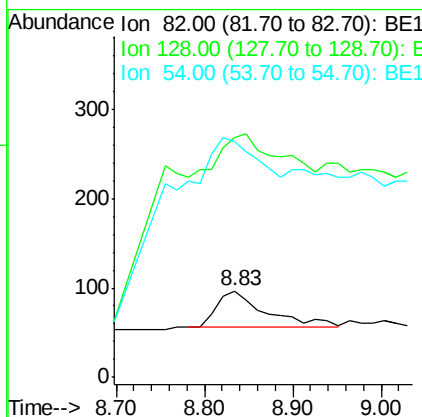
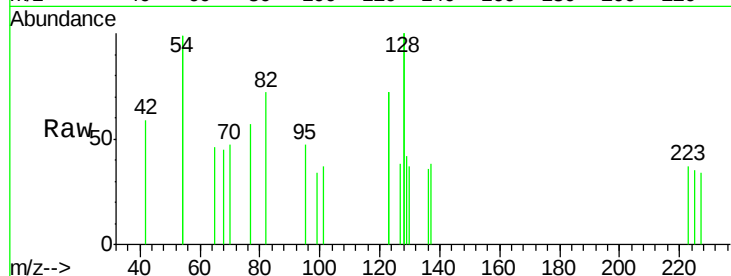
ClientSampleId :

PST-007-B257-061819DL

Tot Ion:	82	Resp:	158
Ion Ratio	Lower	Upper	
82	100		
128	276.3	140.9	211.3#
54	272.2	146.2	219.2#

Manual Integrations
APPROVED

mohammad
7/3/2019 10:53:15 PM



#9

Naphthalene

Concen: 0.056 ng

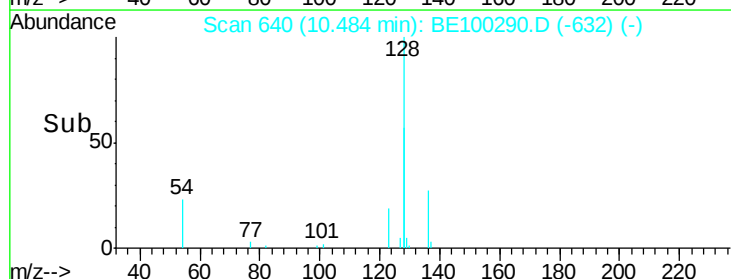
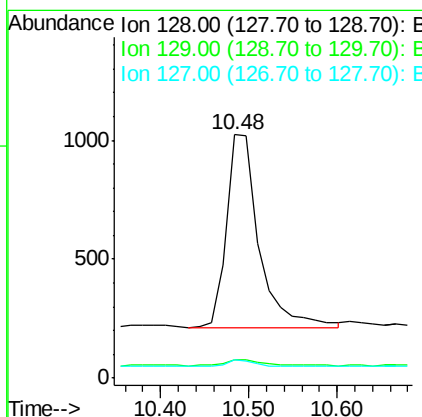
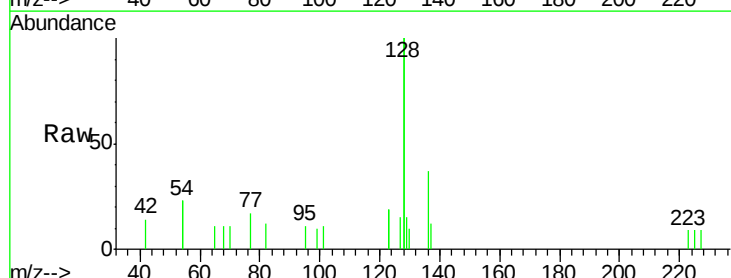
RT: 10.48 min Scan# 640

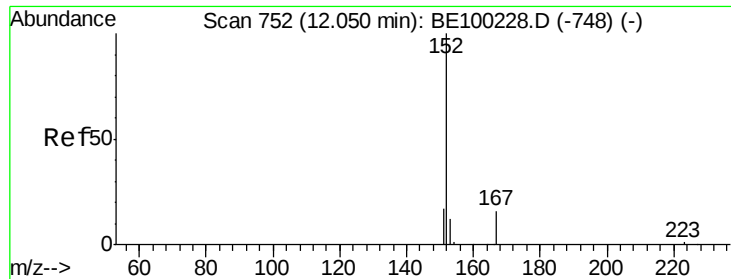
Delta R.T. -0.00 min

Lab File: BE100290.D

Acq: 2 Jul 2019 7:09

Tgt Ion:	128	Resp:	2081
Ion Ratio	Lower	Upper	
128	100		
129	7.6	3.0	4.6#
127	7.6	3.5	5.3#





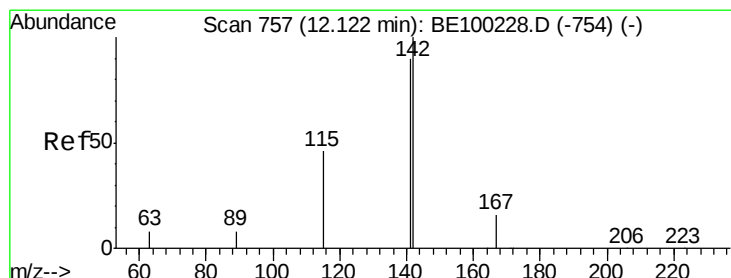
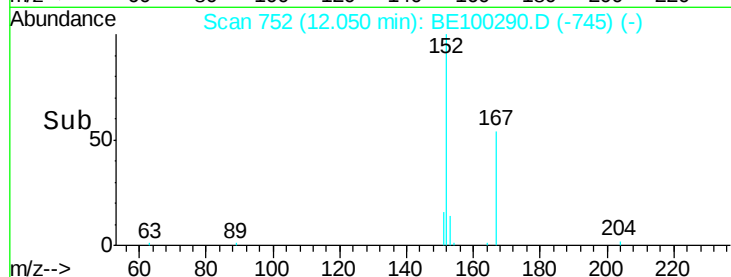
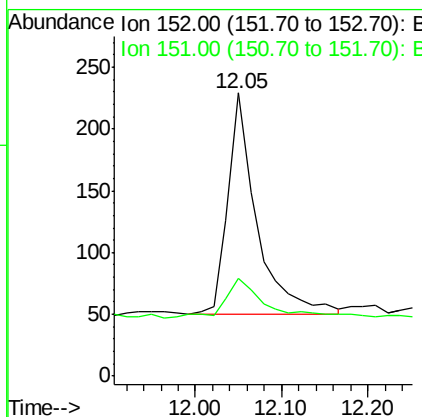
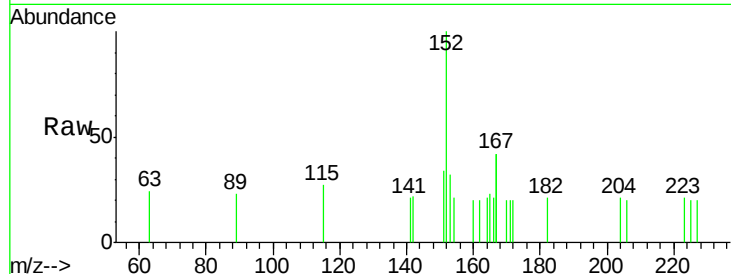
#11
2-Methylnaphthalene-d10
Concen: 0.065 ng
RT: 12.05 min Scan# 752
Delta R.T. -0.00 min
Lab File: BE100290.D
Acq: 2 Jul 2019 7:09

Instrument :
BNA_E
ClientSampleId :
PST-007-B257-061819DL

Tot Ion:152 Resp: 414
Ion Ratio Lower Upper
152 100
151 22.0 15.1 22.7

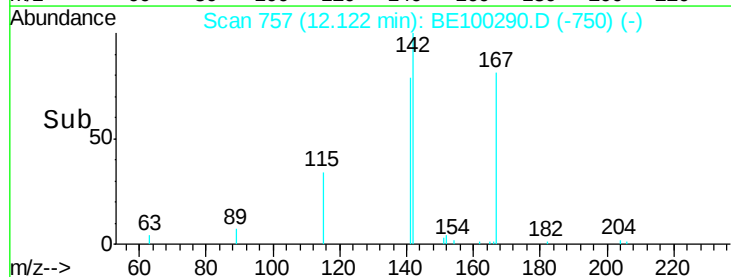
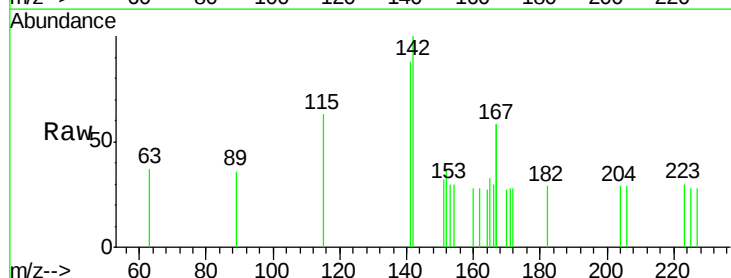
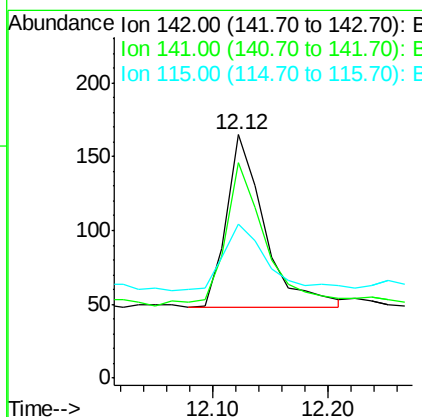
Manual Integrations
APPROVED

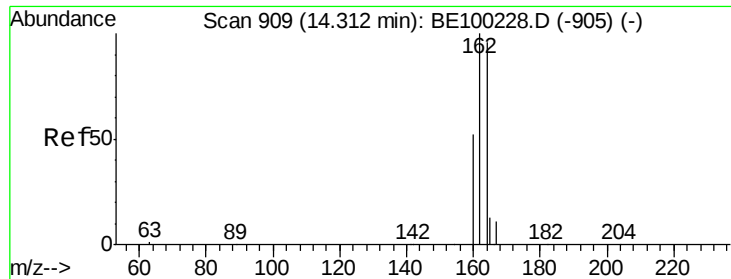
mohammad
7/3/2019 10:53:15 PM



#12
2-Methylnaphthalene
Concen: 0.041 ng
RT: 12.12 min Scan# 757
Delta R.T. -0.00 min
Lab File: BE100290.D
Acq: 2 Jul 2019 7:09

Tgt Ion:142 Resp: 269
Ion Ratio Lower Upper
142 100
141 88.5 72.4 108.6
115 63.0 40.4 60.6#





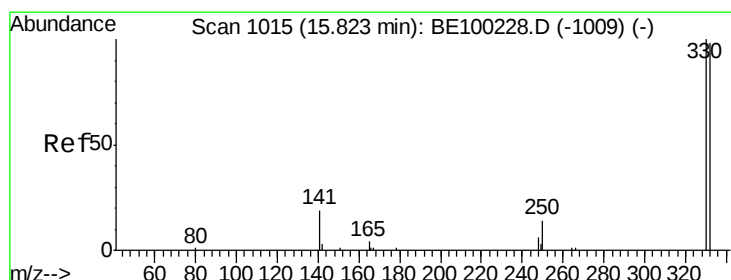
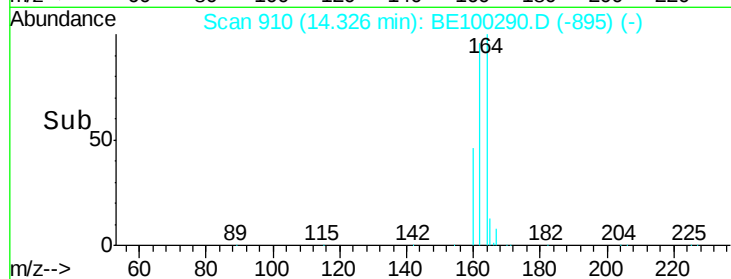
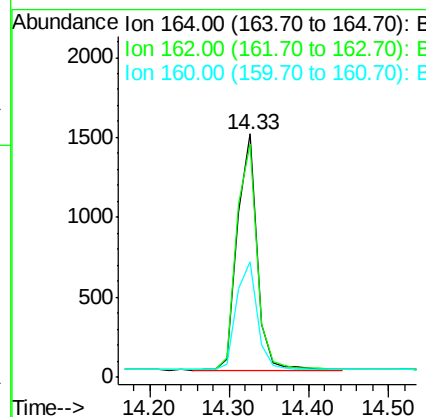
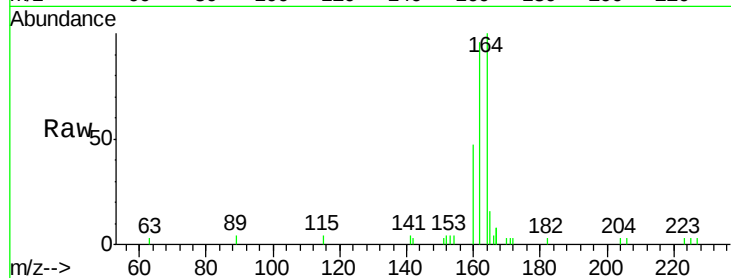
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.33 min Scan# 910
 Delta R.T. 0.01 min
 Lab File: BE100290.D
 Acq: 2 Jul 2019 7:09

Instrument :
 BNA_E
 ClientSampleId :
 PST-007-B257-061819DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	96.0	83.4	125.0
160	47.4	45.0	67.6

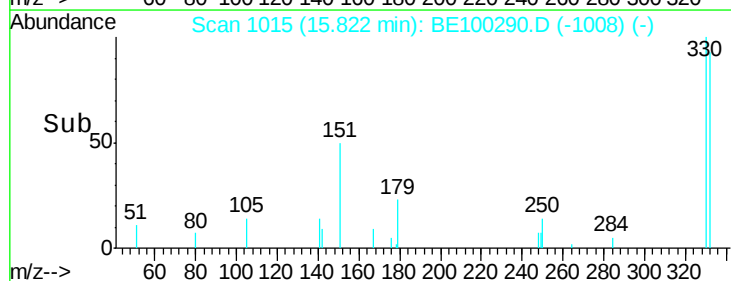
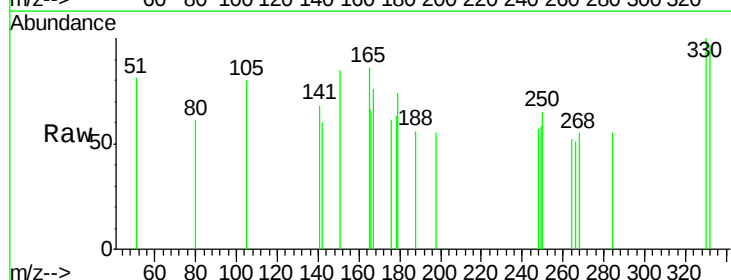
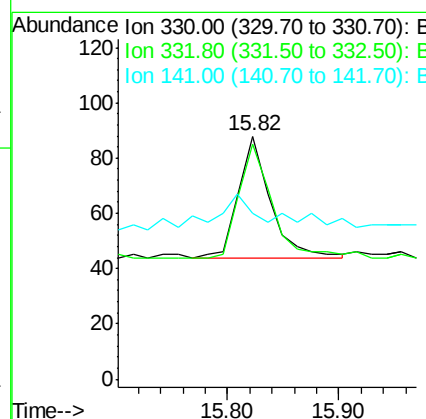
Manual Integrations
 APPROVED

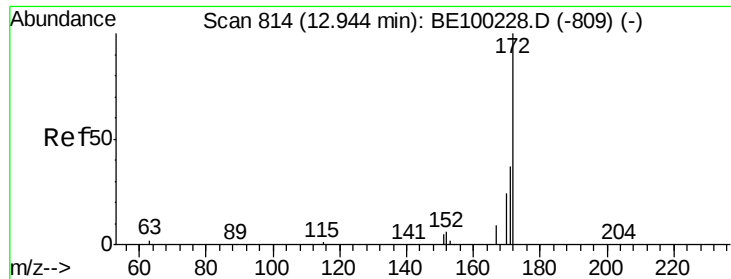
mohammad
 7/3/2019 10:53:15 PM



#14
 2,4,6-Tribromophenol
 Concen: 0.049 ng
 RT: 15.82 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: BE100290.D
 Acq: 2 Jul 2019 7:09

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.0	115.4
141	14.9	22.0	33.0#





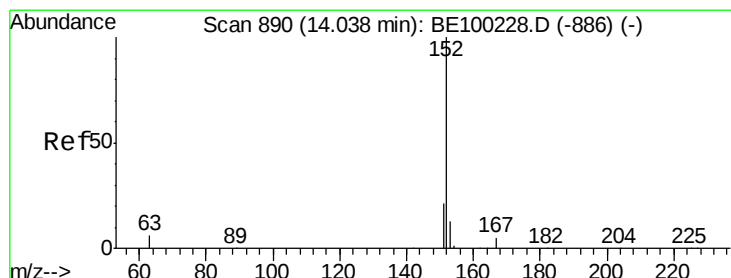
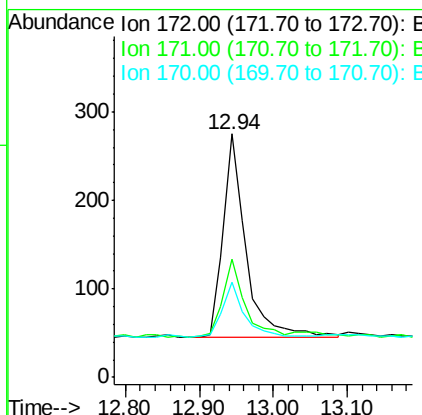
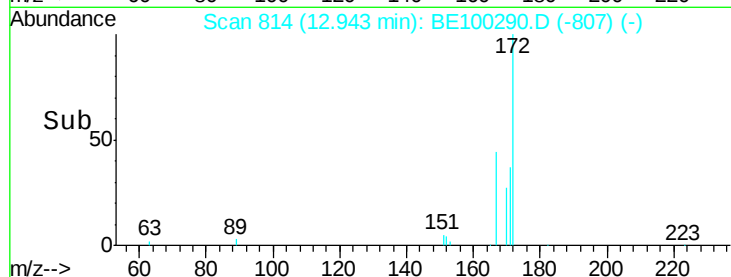
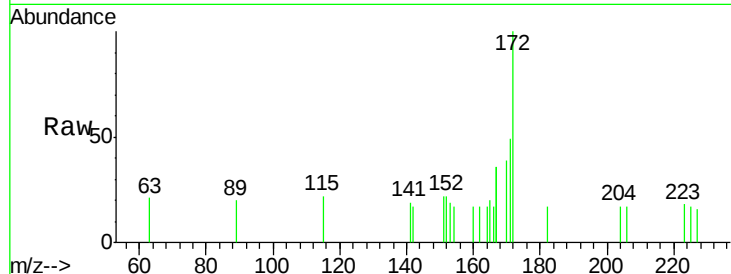
#15
2-Fluorobiphenyl
Concen: 0.051 ng
RT: 12.94 min Scan# 814
Delta R.T. -0.00 min
Lab File: BE100290.D
Acq: 2 Jul 2019 7:09

Instrument :
BNA_E
ClientSampleId :
PST-007-B257-061819DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	48.7	31.9	47.9#
170	38.9	22.2	33.2#

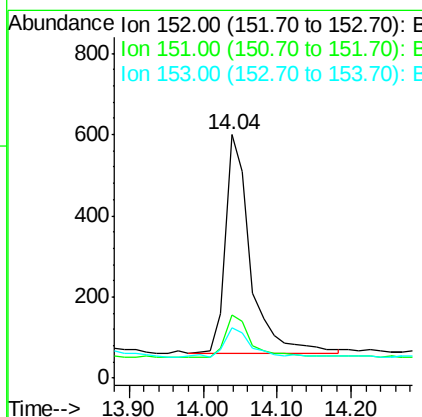
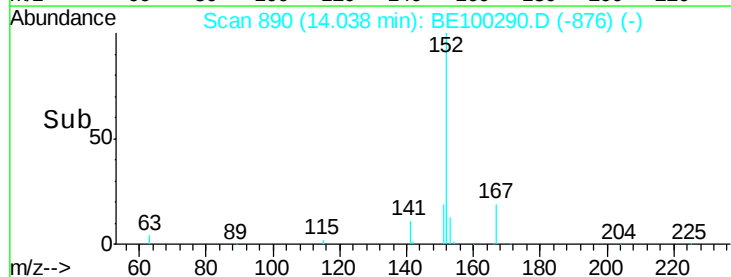
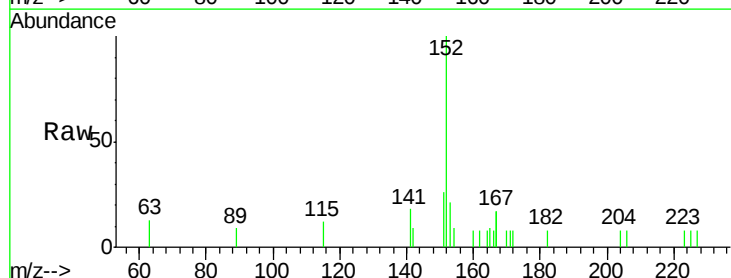
Manual Integrations
APPROVED

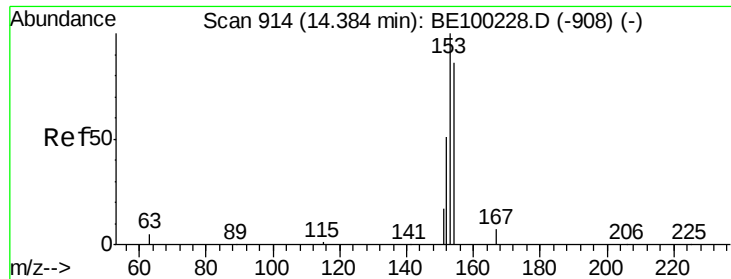
mohammad
7/3/2019 10:53:15 PM



#16
Acenaphthylene
Concen: 0.104 ng
RT: 14.04 min Scan# 890
Delta R.T. -0.00 min
Lab File: BE100290.D
Acq: 2 Jul 2019 7:09

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.6	25.0
153	17.3	10.5	15.7#





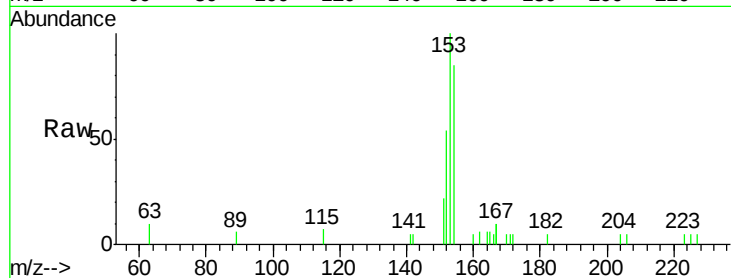
#17
Acenaphthene
Concen: 0.174 ng
RT: 14.38 min Scan# 914
Delta R.T. -0.00 min
Lab File: BE100290.D
Acq: 2 Jul 2019 7:09

Instrument :
BNA_E
ClientSampleId :
PST-007-B257-061819DL

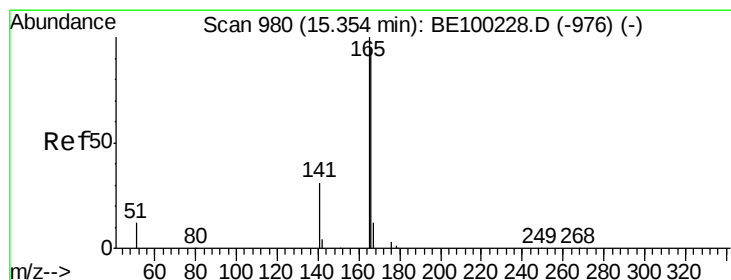
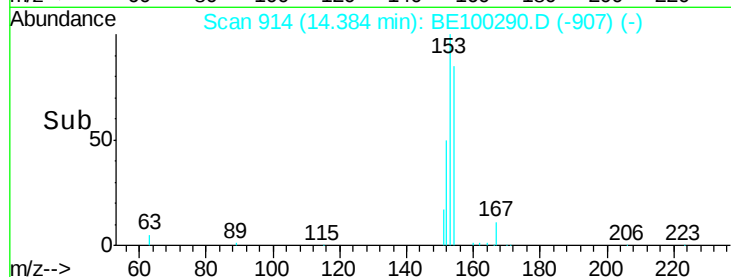
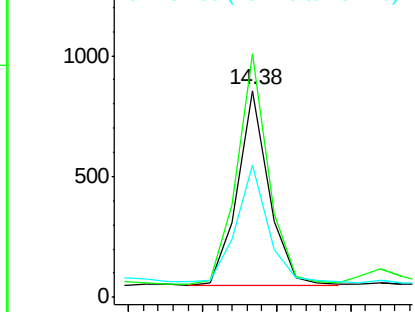
Tot Ion	Ratio	Lower	Upper
154	100		
153	119.2	93.4	140.2
152	60.8	49.4	74.2

Manual Integrations
APPROVED

mohammad
7/3/2019 10:53:15 PM

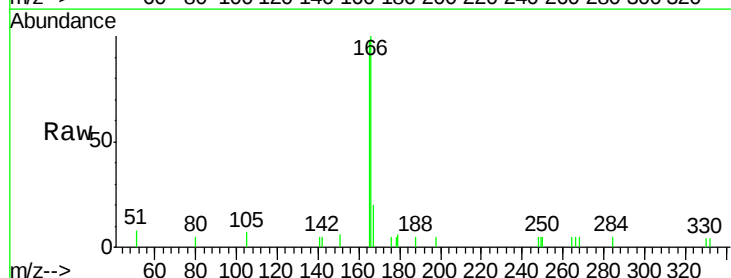


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

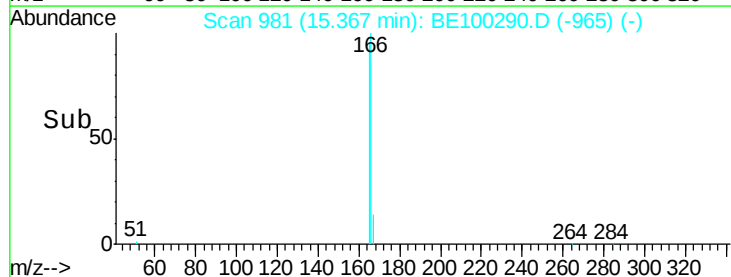
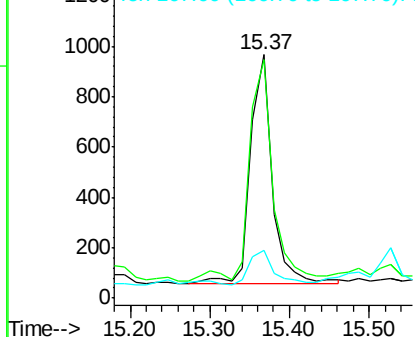


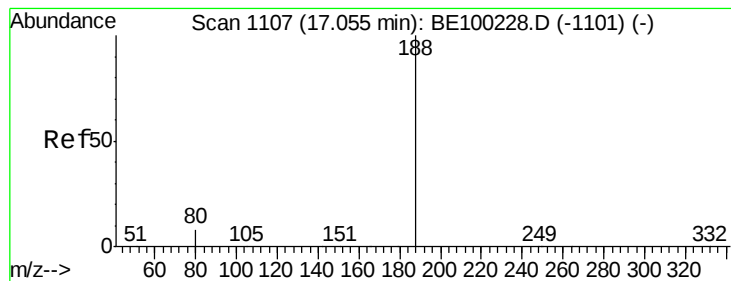
#18
Fluorene
Concen: 0.168 ng
RT: 15.37 min Scan# 981
Delta R.T. 0.01 min
Lab File: BE100290.D
Acq: 2 Jul 2019 7:09

Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.4	81.1	121.7
167	16.1	10.7	16.1#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.07 min Scan# 1108

Delta R.T. 0.01 min

Lab File: BE100290.D

Acq: 2 Jul 2019 7:09

Instrument :

BNA_E

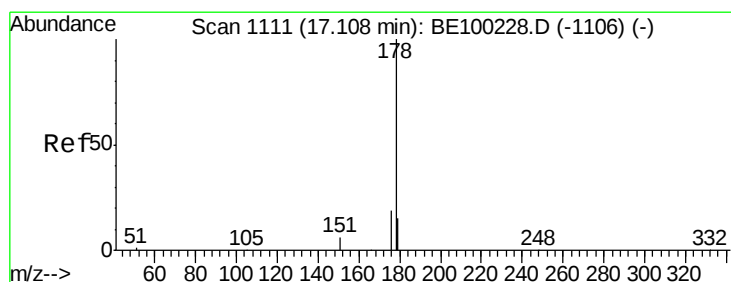
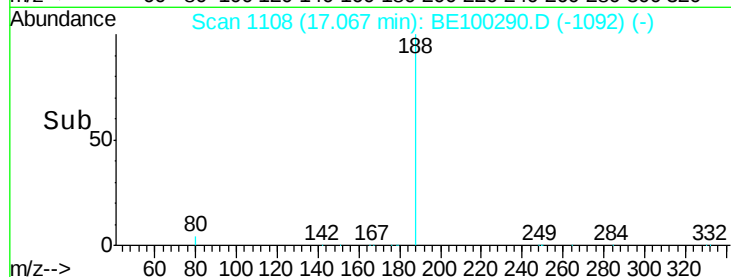
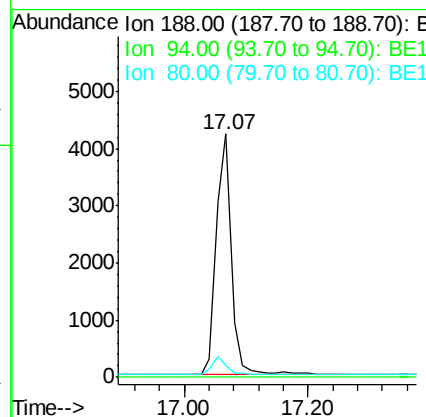
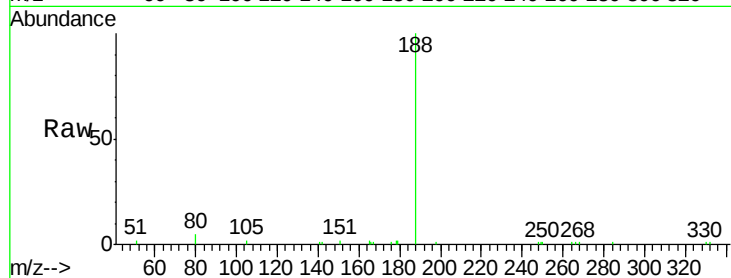
ClientSampleId :

PST-007-B257-061819DL

Tot Ion:	188	Resp:	7114
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	5.0	7.6	11.4#

Manual Integrations
APPROVED

mohammad
7/3/2019 10:53:15 PM



#23

Phenanthrene

Concen: 1.931 ng

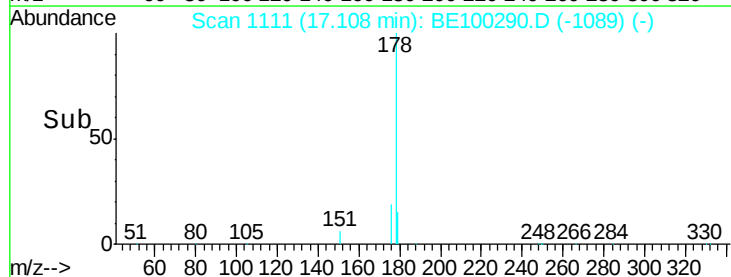
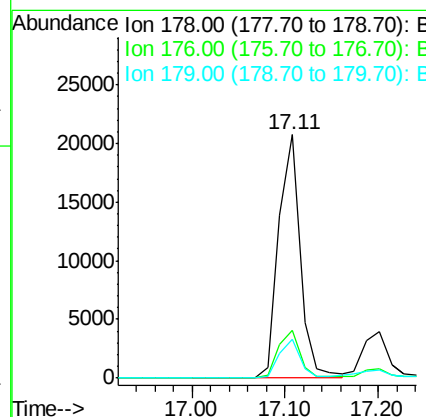
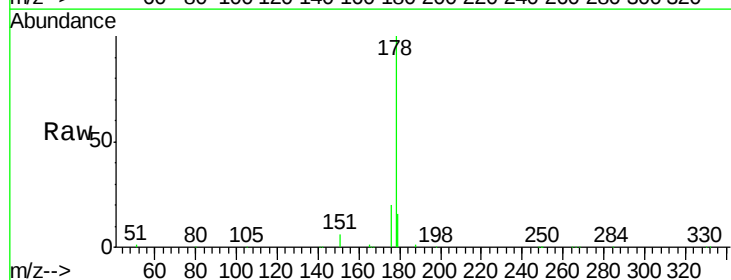
RT: 17.11 min Scan# 1111

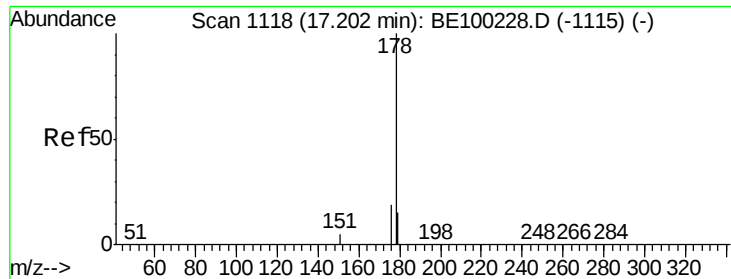
Delta R.T. -0.00 min

Lab File: BE100290.D

Acq: 2 Jul 2019 7:09

Tgt Ion:	178	Resp:	33287
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.9	23.9
179	15.4	12.2	18.2





#24

Anthracene

Concen: 0.458 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE100290.D

Acq: 2 Jul 2019 7:09

Instrument :

BNA_E

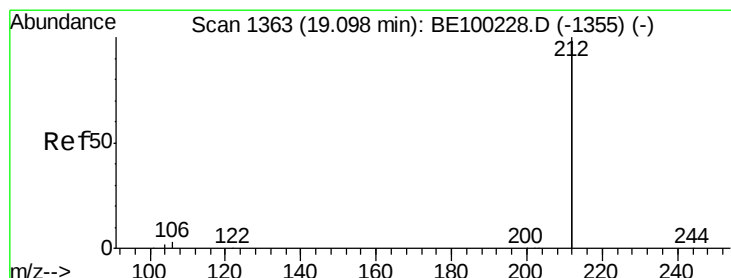
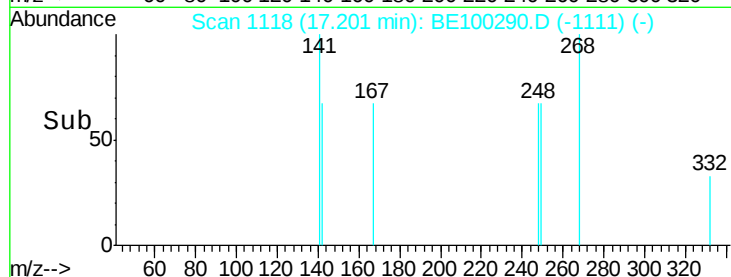
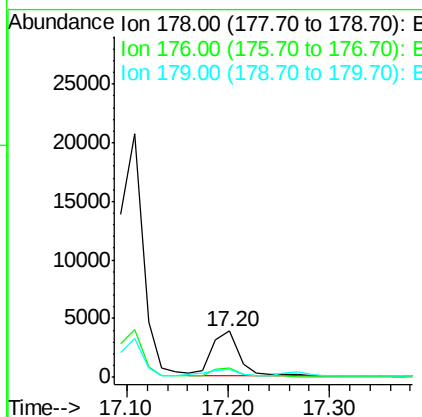
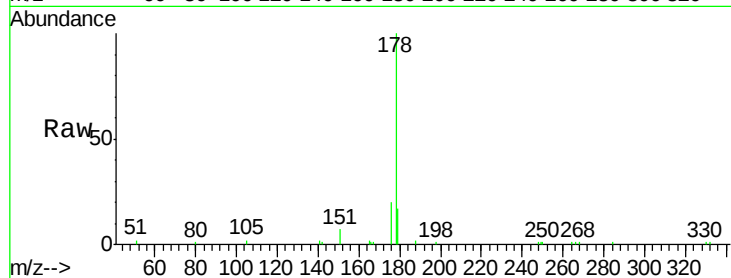
ClientSampleId :

PST-007-B257-061819DL

Tot Ion:	178	Resp:	7110
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.3	22.9
179	17.4	12.2	18.2

Manual Integrations
APPROVED

mohammad
7/3/2019 10:53:15 PM



#25

Fluoranthene-d10

Concen: 0.061 ng

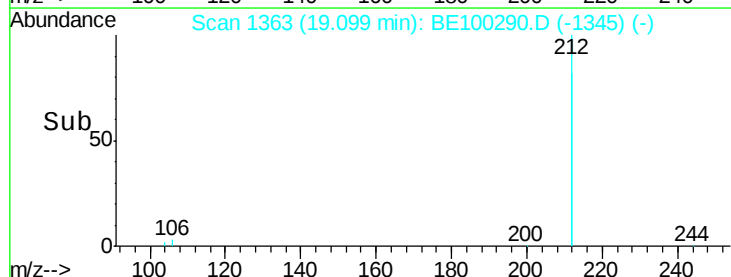
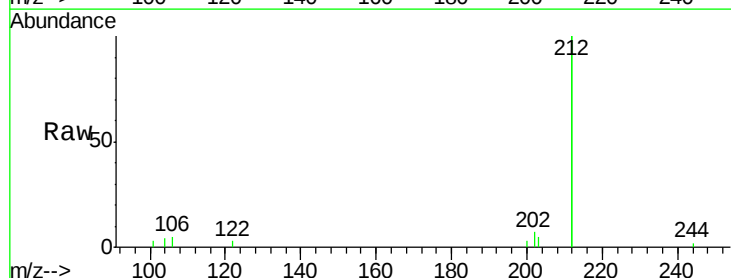
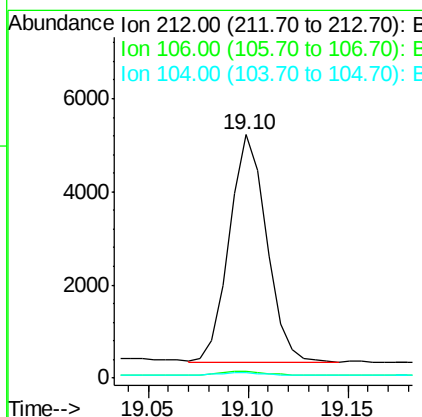
RT: 19.10 min Scan# 1363

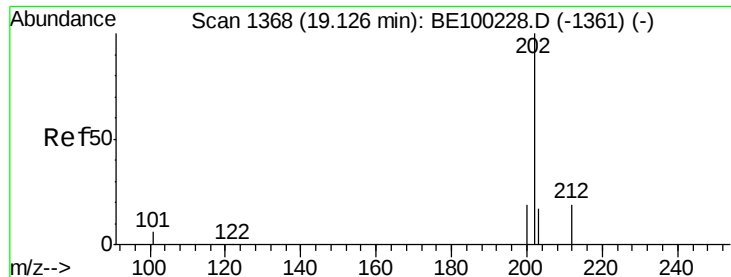
Delta R.T. 0.00 min

Lab File: BE100290.D

Acq: 2 Jul 2019 7:09

Tgt Ion:	212	Resp:	6334
Ion Ratio	Lower	Upper	
212	100		
106	1.8	1.3	1.9
104	1.2	0.8	1.2#





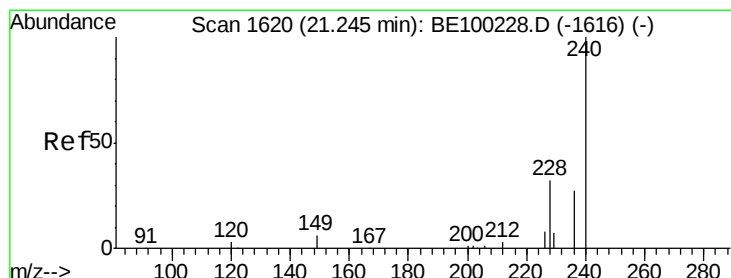
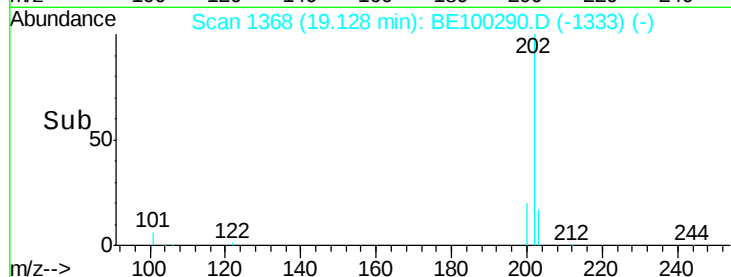
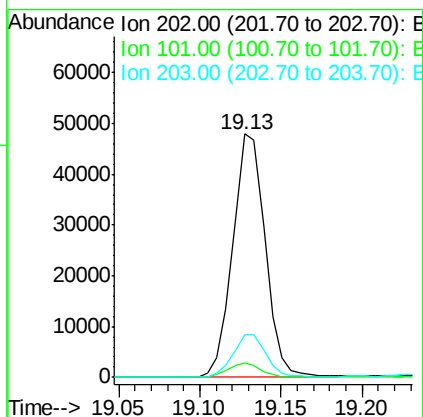
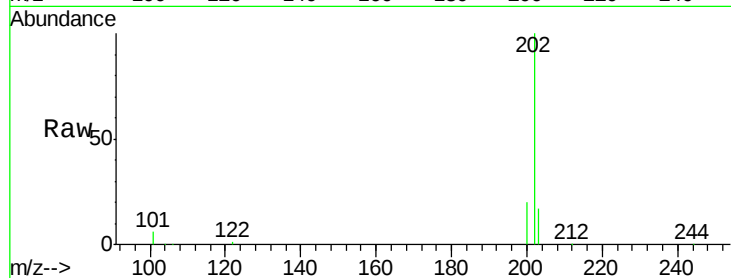
#26
Fluoranthene
Concen: 2.413 ng
RT: 19.13 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE100290.D
Acq: 2 Jul 2019 7:09

Instrument :
BNA_E
ClientSampleId :
PST-007-B257-061819DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.7	4.6	7.0
203	17.5	13.7	20.5

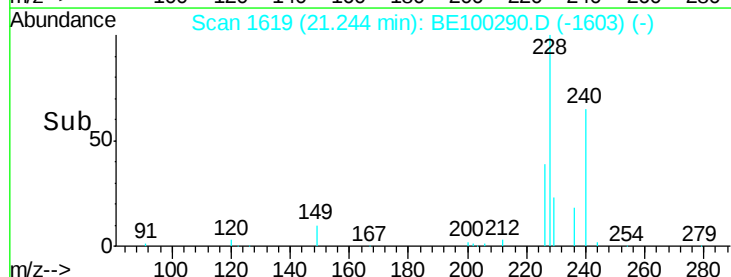
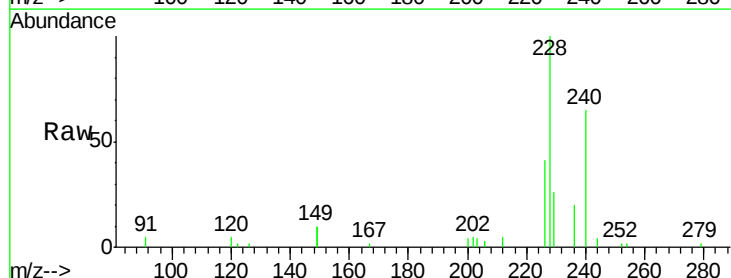
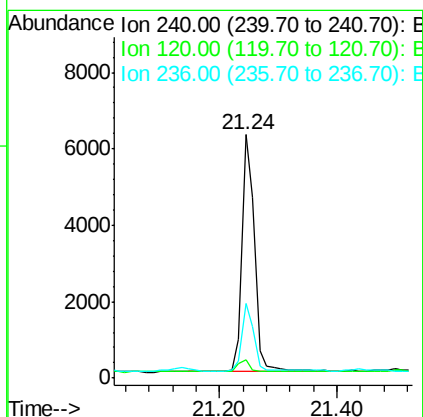
Manual Integrations
APPROVED

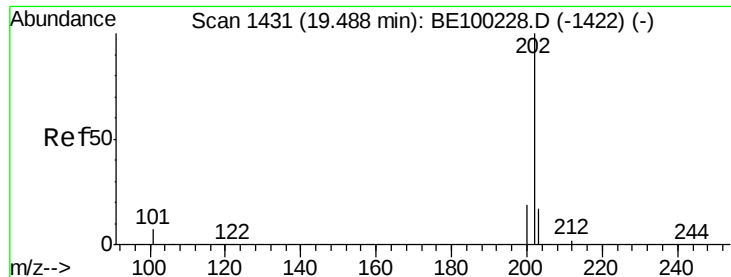
mohammad
7/3/2019 10:53:15 PM



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.24 min Scan# 1619
Delta R.T. -0.00 min
Lab File: BE100290.D
Acq: 2 Jul 2019 7:09

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.3	3.3	4.9#
236	30.4	22.6	34.0





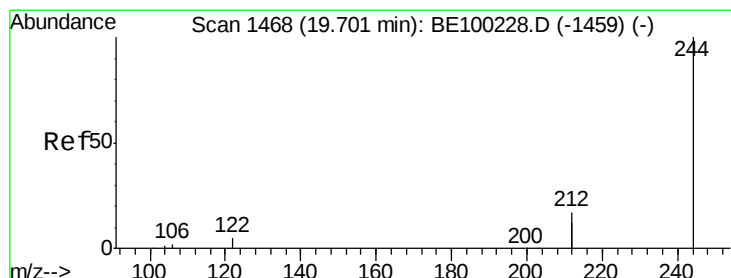
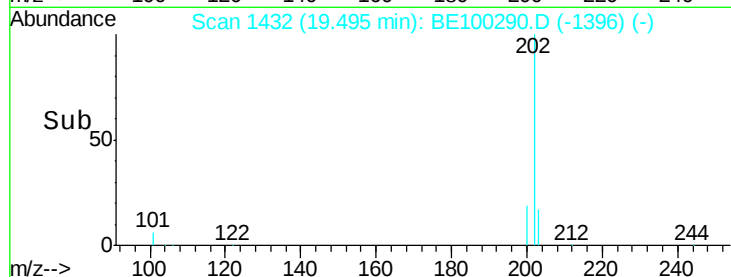
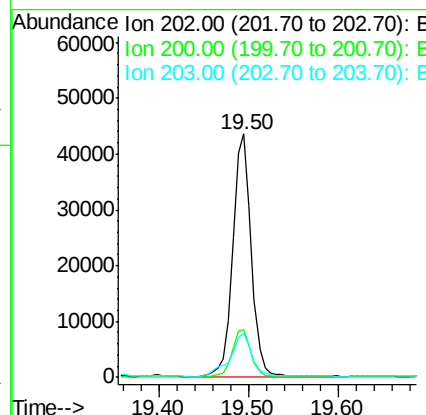
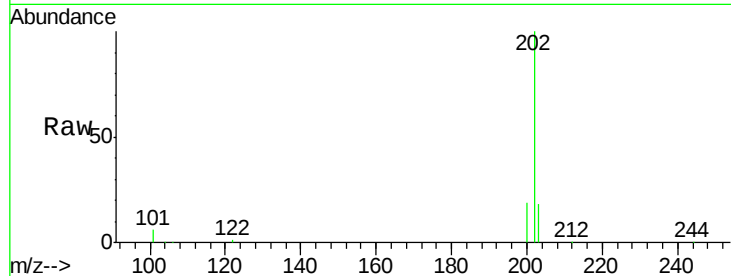
#28
Pvrene
Concen: 2.493 ng
RT: 19.50 min Scan# 1432
Delta R.T. 0.01 min
Lab File: BE100290.D
Acq: 2 Jul 2019 7:09

Instrument :
BNA_E
ClientSampleId :
PST-007-B257-061819DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.6	23.4
203	21.2	14.0	21.0

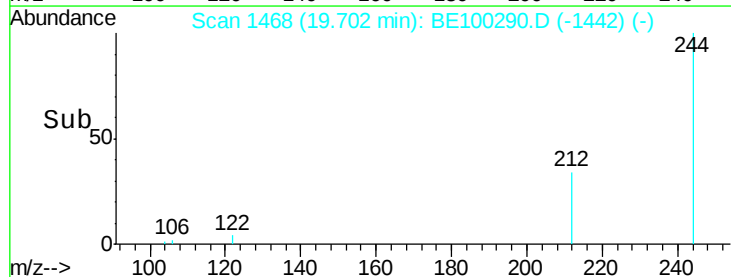
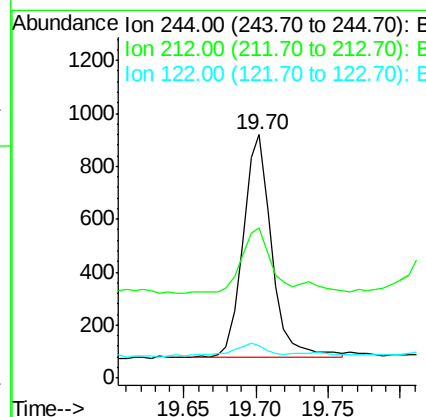
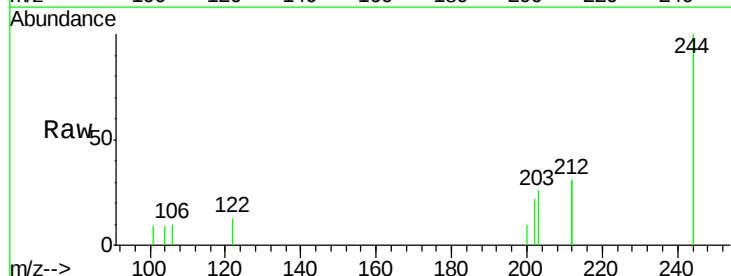
Manual Integrations
APPROVED

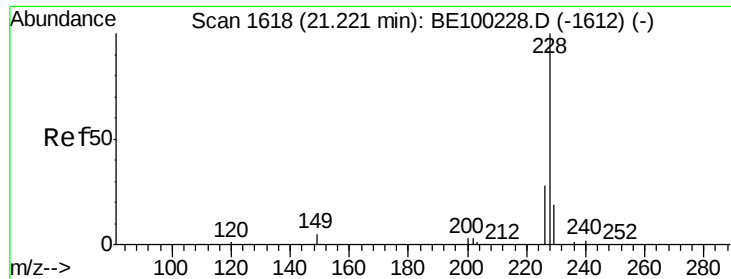
mohammad
7/3/2019 10:53:15 PM



#29
Terphenyl-d14
Concen: 0.060 ng
RT: 19.70 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BE100290.D
Acq: 2 Jul 2019 7:09

Tgt Ion	Ratio	Lower	Upper
244	100		
212	61.5	27.3	40.9
122	13.0	4.7	7.1





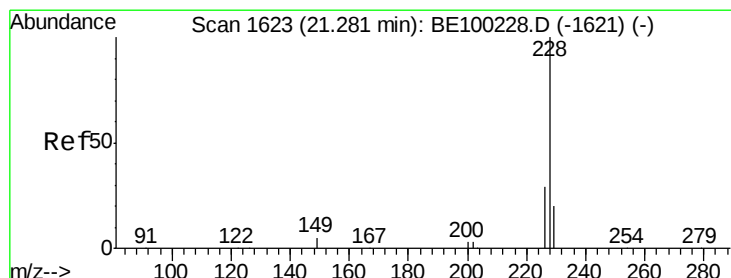
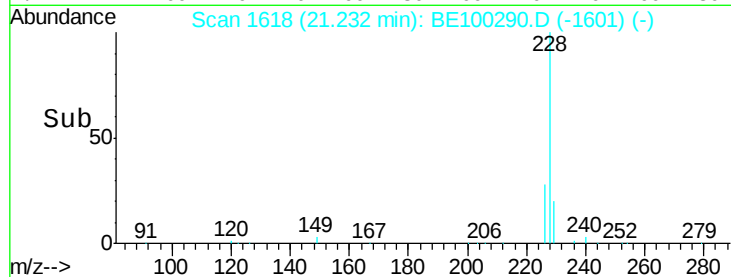
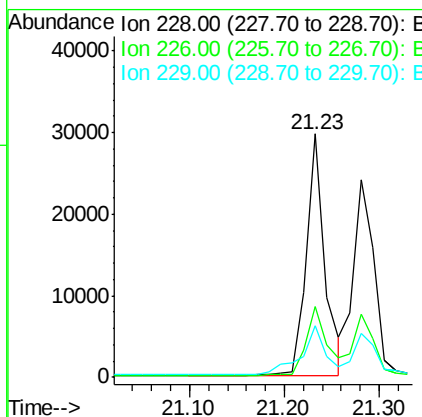
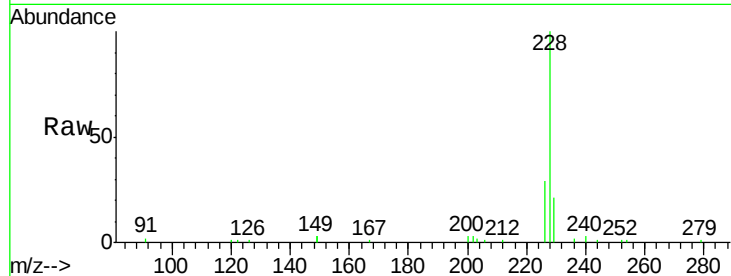
#30
Benzo(a)anthracene
Concen: 1.323 ng
RT: 21.23 min Scan# 1618
Delta R.T. 0.01 min
Lab File: BE100290.D
Acq: 2 Jul 2019 7:09

Instrument :
BNA_E
ClientSampleId :
PST-007-B257-061819DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.2	34.8
229	21.3	15.7	23.5

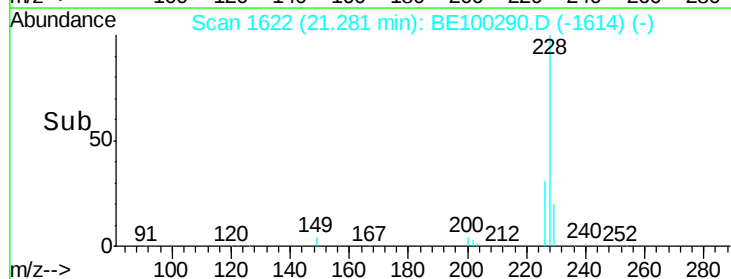
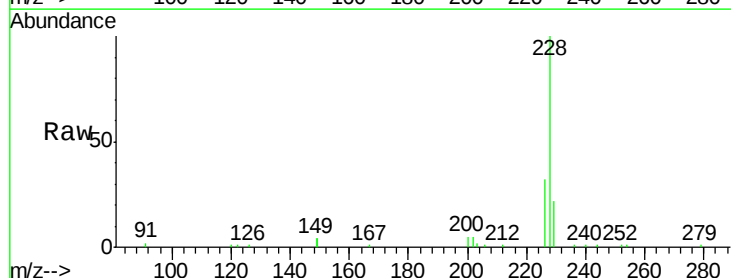
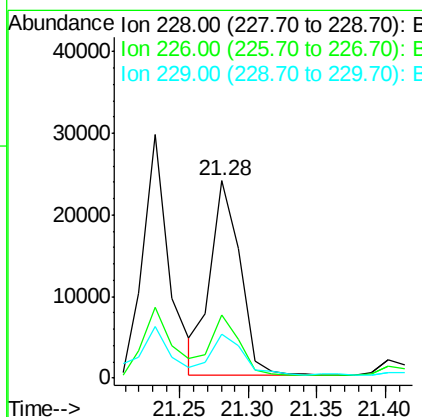
Manual Integrations
APPROVED

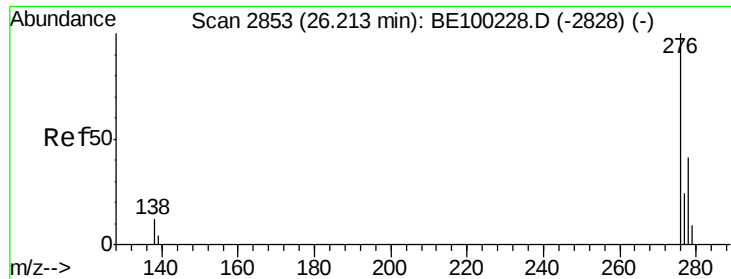
mohammad
7/3/2019 10:53:15 PM



#31
Chrysene
Concen: 1.167 ng
RT: 21.28 min Scan# 1622
Delta R.T. -0.00 min
Lab File: BE100290.D
Acq: 2 Jul 2019 7:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	23.9	35.9
229	22.3	16.5	24.7





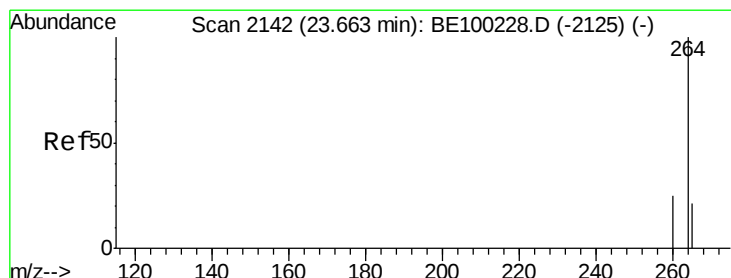
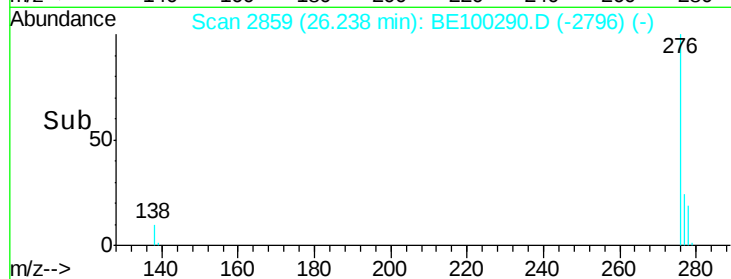
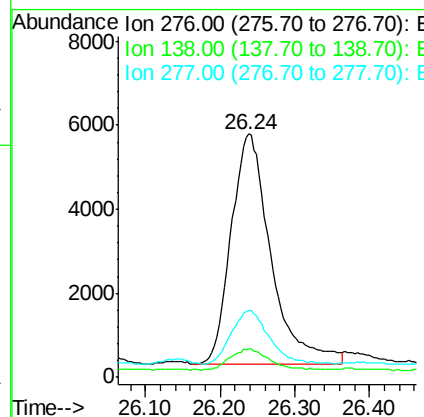
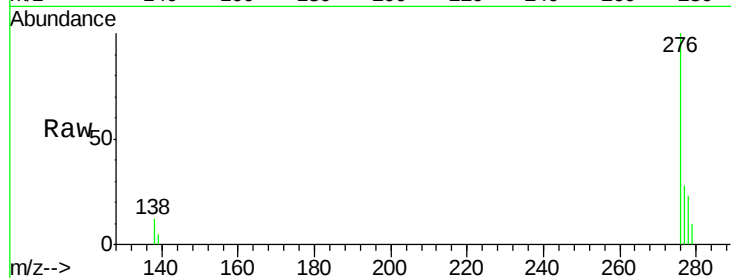
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.502 ng
RT: 26.24 min Scan# 2859
Delta R.T. 0.02 min
Lab File: BE100290.D
Acq: 2 Jul 2019 7:09

Instrument :
BNA_E
ClientSampleId :
PST-007-B257-061819DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	8.9	9.4	14.0#
277	21.8	19.2	28.8

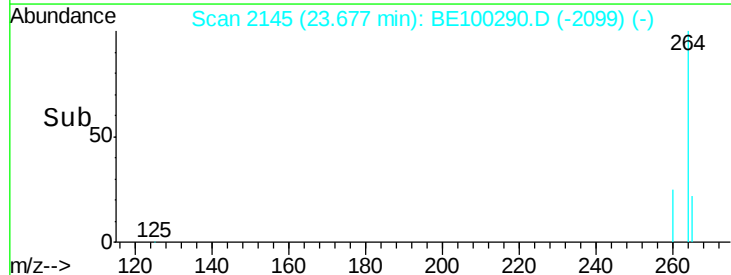
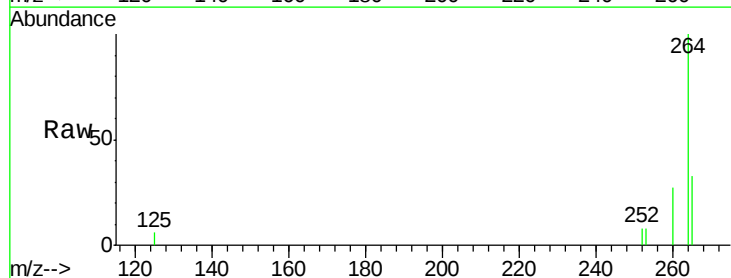
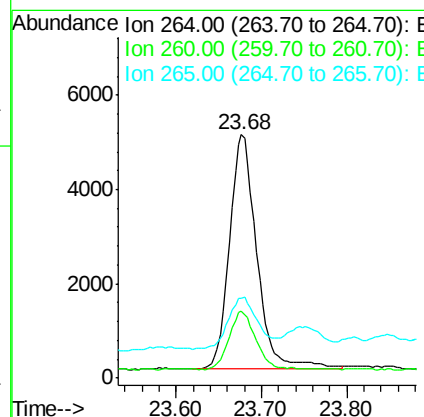
Manual Integrations
APPROVED

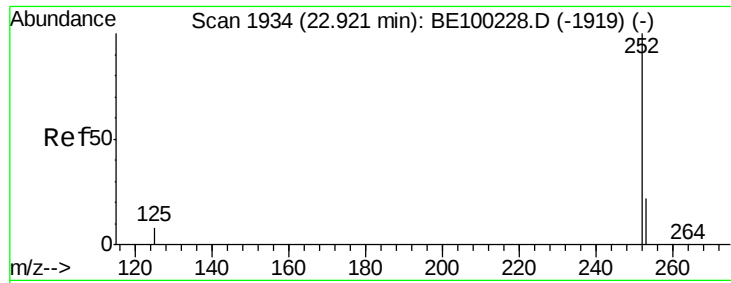
mohammad
7/3/2019 10:53:15 PM



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.68 min Scan# 2145
Delta R.T. 0.01 min
Lab File: BE100290.D
Acq: 2 Jul 2019 7:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	27.5	20.8	31.2
265	33.0	21.8	32.6#





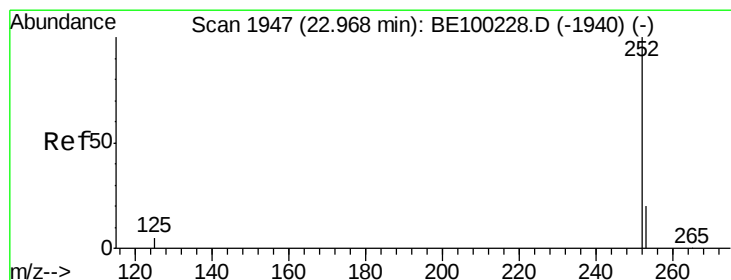
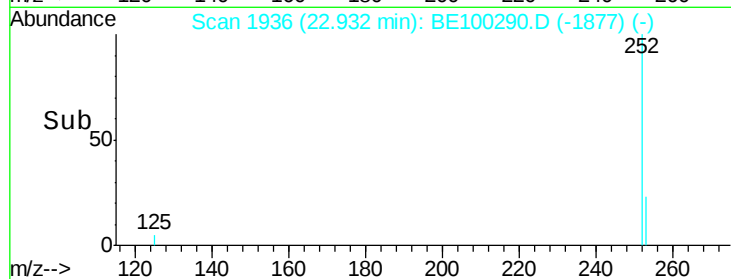
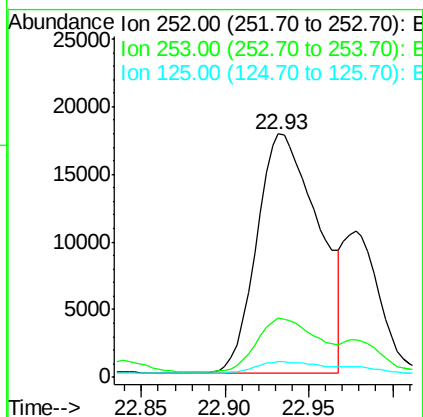
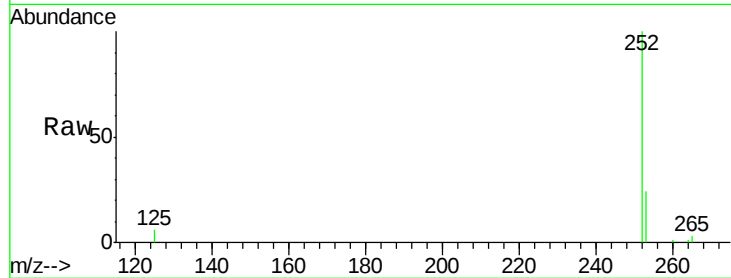
#35
Benzo(b)fluoranthene
Concen: 1.510 ng
RT: 22.93 min Scan# 1936
Delta R.T. 0.01 min
Lab File: BE100290.D
Acq: 2 Jul 2019 7:09

Instrument :
BNA_E
ClientSampleId :
PST-007-B257-061819DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.2	28.8
125	6.4	7.4	11.0

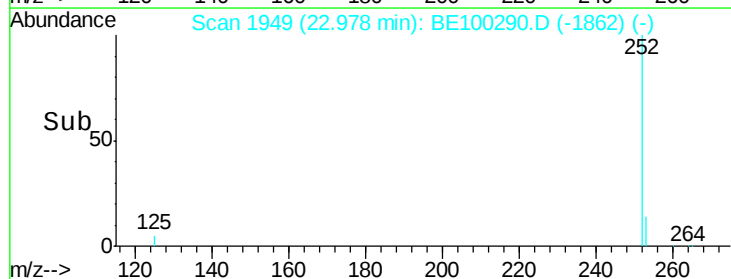
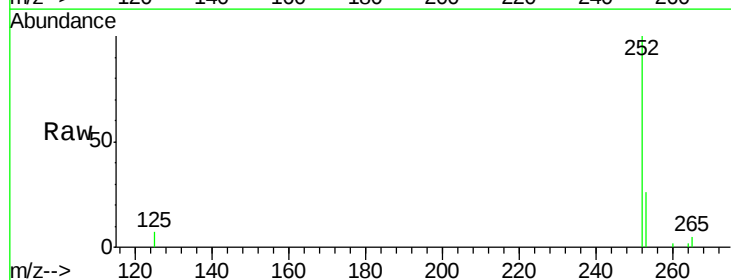
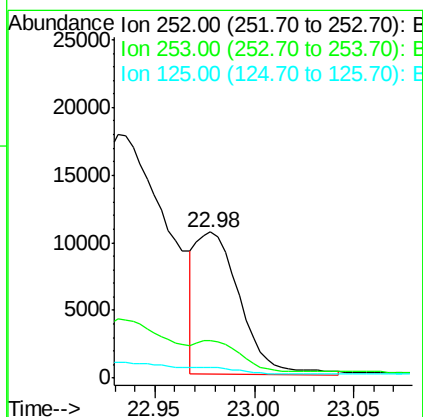
Manual Integrations
APPROVED

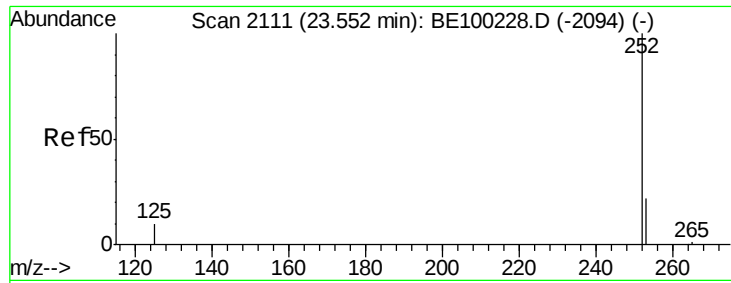
mohammad
7/3/2019 10:53:15 PM



#36
Benzo(k)fluoranthene
Concen: 0.484 ng m
RT: 22.98 min Scan# 1949
Delta R.T. 0.01 min
Lab File: BE100290.D
Acq: 2 Jul 2019 7:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.9	26.9
125	7.4	5.0	7.4





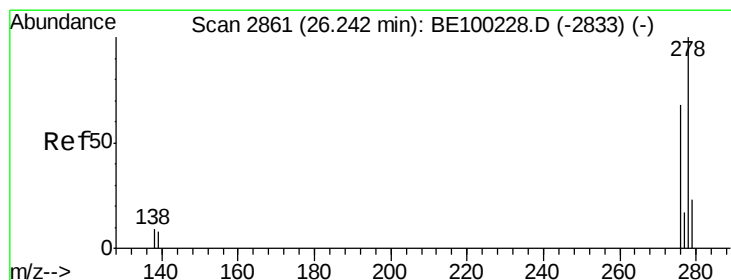
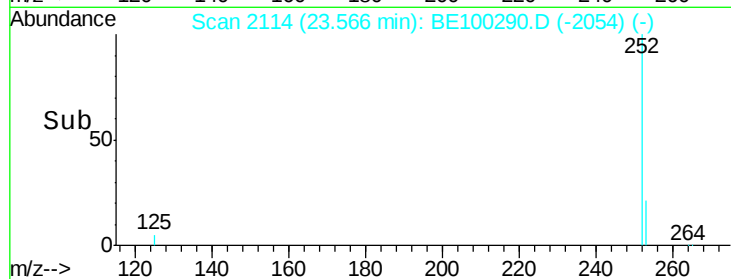
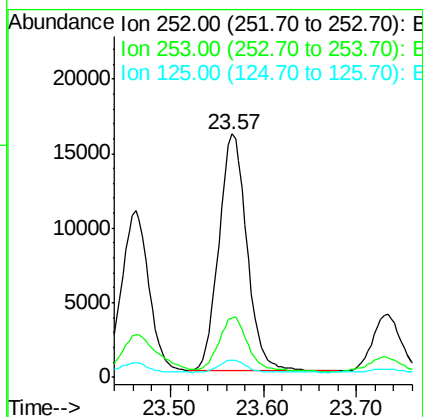
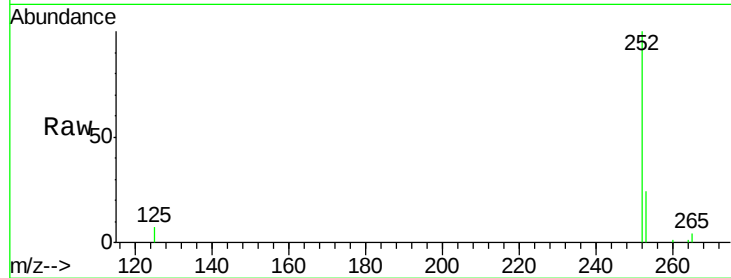
#37
Benzo(a)pyrene
Concen: 1.107 ng
RT: 23.57 min Scan# 2114
Delta R.T. 0.01 min
Lab File: BE100290.D
Acq: 2 Jul 2019 7:09

Instrument :
BNA_E
ClientSampleId :
PST-007-B257-061819DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.6	29.4
125	7.1	9.0	13.6

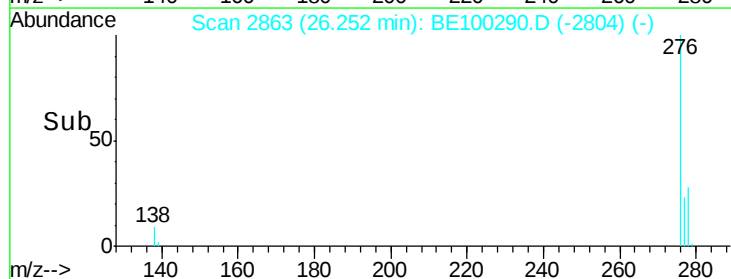
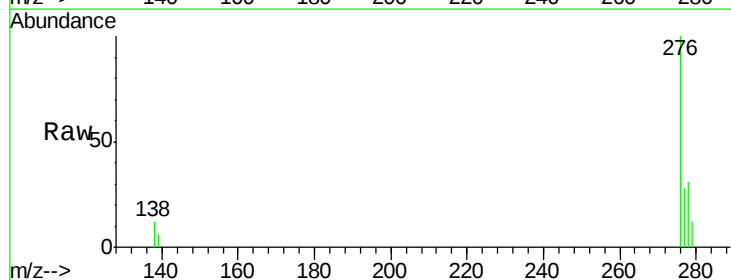
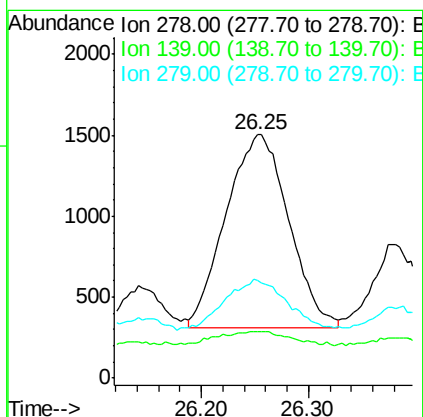
Manual Integrations
APPROVED

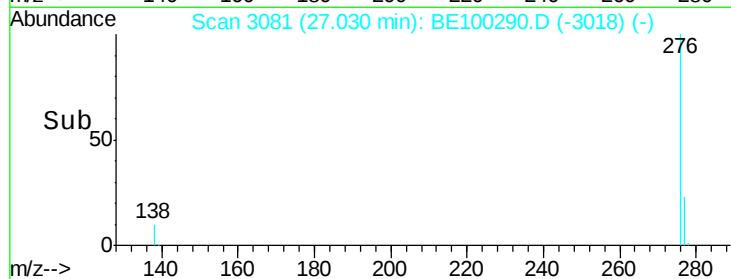
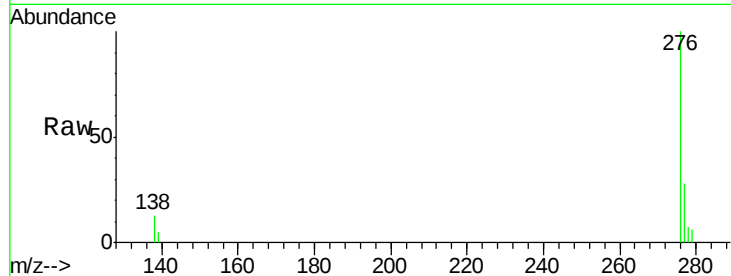
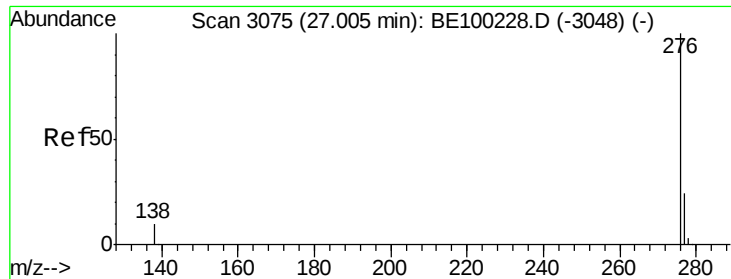
mohammad
7/3/2019 10:53:15 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.153 ng
RT: 26.25 min Scan# 2863
Delta R.T. 0.01 min
Lab File: BE100290.D
Acq: 2 Jul 2019 7:09

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.1	8.2	12.2
279	40.0	20.3	30.5





#39
 Benzo(a,h,i)perylene
 Concen: 0.575 ng
 RT: 27.03 min Scan# 3081
 Delta R.T. 0.02 min
 Lab File: BE100290.D
 Acq: 2 Jul 2019 7:09

Instrument :
 BNA_E
 ClientSampleId :
 PST-007-B257-061819DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.8	20.2	30.2
138	12.9	9.0	13.6

Manual Integrations
 APPROVED

mohammad
 7/3/2019 10:53:15 PM

