

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062719\
 Data File : BE100210.D
 Acq On : 27 Jun 2019 18:28
 Operator : JU/SJ
 Sample : K3428-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B042-061319

Manual Integrations
 APPROVED

mohammad
 7/1/2019 8:11:51 AM

Quant Time: Jun 28 05:45:15 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062519.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 05:41:07 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	805	0.40	ng	0.00
7) Naphthalene-d8	10.45	136	2721	0.40	ng	0.00
13) Acenaphthene-d10	14.33	164	2194	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	6680	0.40	ng	-0.01
27) Chrysene-d12	21.24	240	8932	0.40	ng	0.00
34) Perylene-d12	23.66	264	10540	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.23	112	618	0.35	ng	0.00
5) Phenol-d6	6.83	99	862	0.35	ng	-0.02
8) Nitrobenzene-d5	8.82	82	865	0.32	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	1883	0.37	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	426	0.34	ng	-0.03
15) 2-Fluorobiphenyl	12.94	172	2651	0.30	ng	-0.01
25) Fluoranthene-d10	19.10	212	35173	0.37	ng	0.00
29) Terphenyl-d14	19.70	244	5256	0.30	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.50	128	1553	0.052	ng	# 88
12) 2-Methylnaphthalene	12.12	142	217	0.045	ng	# 88
16) Acenaphthylene	14.04	152	1277	0.119	ng	98
17) Acenaphthene	14.39	154	199	0.033	ng	# 92
18) Fluorene	15.37	166	523	0.060	ng	# 87
23) Phenanthrene	17.11	178	11654	0.737	ng	99
24) Anthracene	17.20	178	1177	0.088	ng	# 94
26) Fluoranthene	19.13	202	21930	0.852	ng	98
28) Pyrene	19.49	202	26687	1.167	ng	97
30) Benzo(a)anthracene	21.22	228	13770	0.523	ng	94
31) Chrysene	21.28	228	16794	0.544	ng	96
32) Bis(2-ethylhexyl)phthalate	21.15	149	13916	0.460	ng	# 96
33) Indeno(1,2,3-cd)pyrene	26.22	276	9377	0.213	ng	# 96
35) Benzo(b)fluoranthene	22.93	252	16990	0.599	ng	# 90
36) Benzo(k)fluoranthene	22.97	252	6485m	0.191	ng	
37) Benzo(a)pyrene	23.56	252	12698m	0.432	ng	
38) Dibenzo(a,h)anthracene	26.23	278	2455	0.078	ng	# 72
39) Benzo(a,h,i)perylene	27.00	276	10025	0.306	ng	97

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

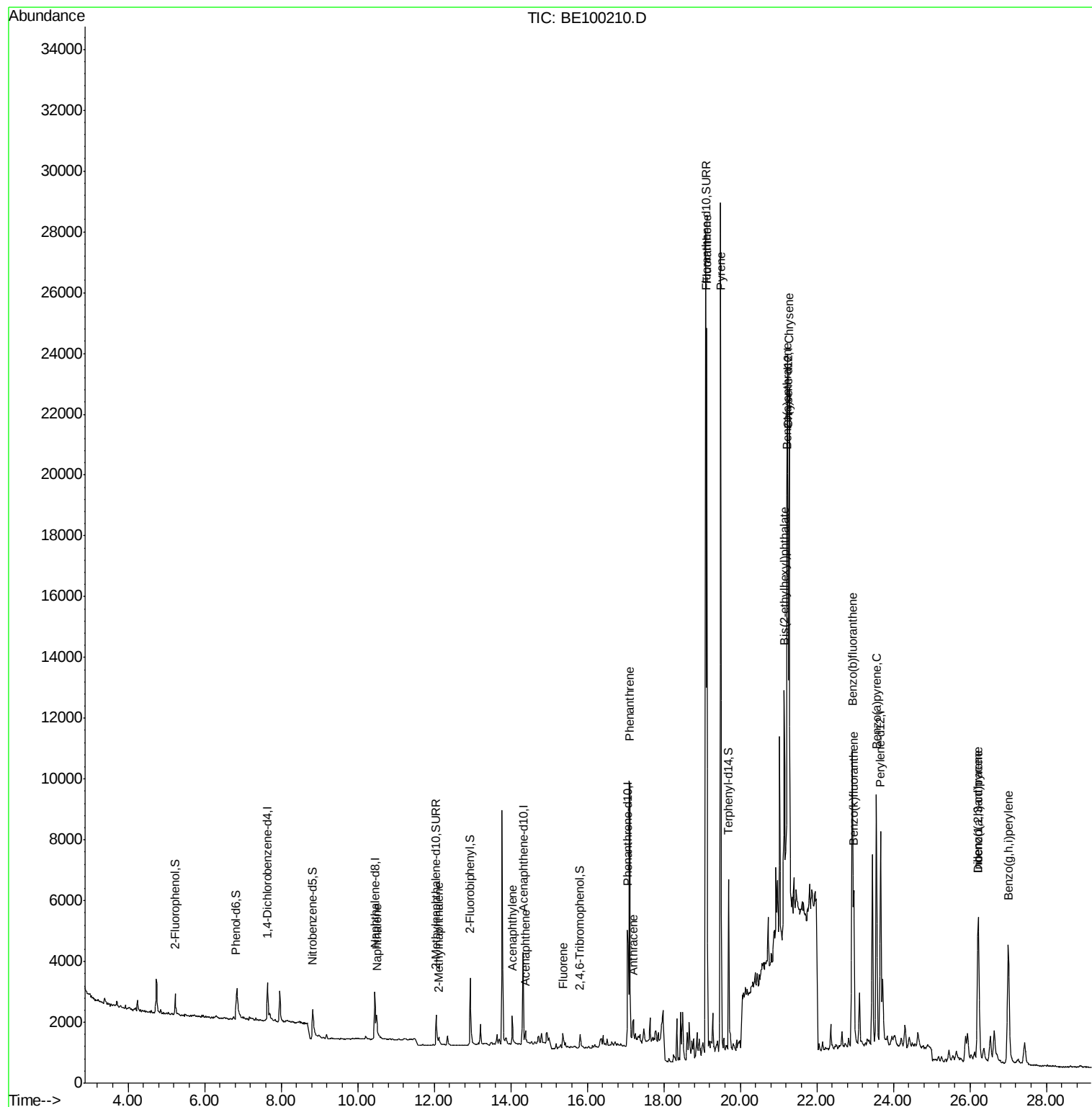
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062719\
 Data File : BE100210.D
 Acq On : 27 Jun 2019 18:28
 Operator : JU/SJ
 Sample : K3428-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B042-061319

Manual Integrations
 APPROVED

mohammad
 7/1/2019 8:11:51 AM

Quant Time: Jun 28 05:45:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:41:07 2019
 Response via : Initial Calibration





#1

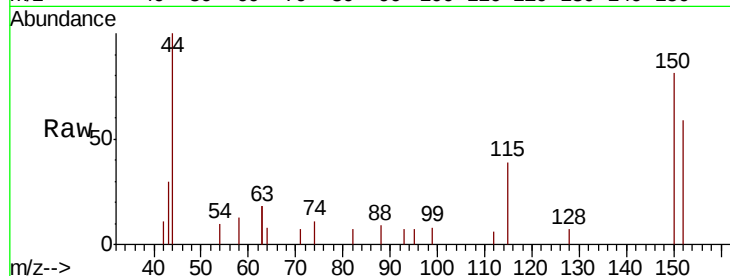
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.01 min
Lab File: BE100210.D
Acq: 27 Jun 2019 18:28

Instrument :
BNA_E
ClientSampleId :
PST-084-B042-061319

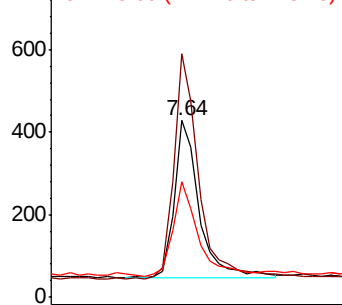
Tot Ion	Ratio	Lower	Upper
152	100		
150	137.9	113.4	170.2
115	65.2	55.8	83.6

Manual Integrations
APPROVED

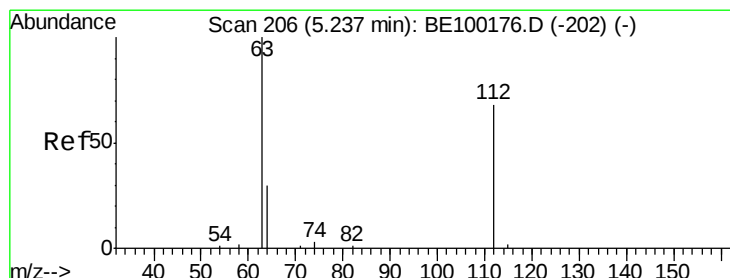
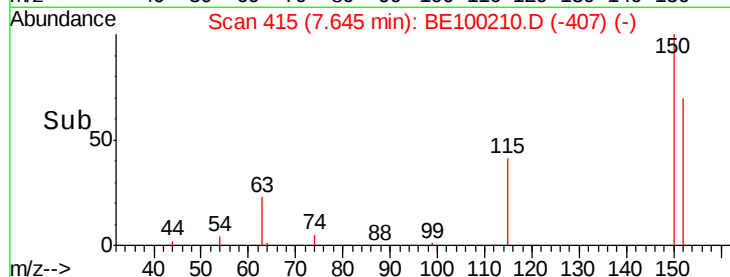
mohammad
7/1/2019 8:11:51 AM



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



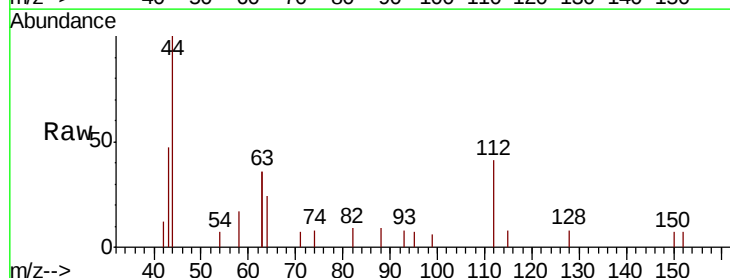
Time-->



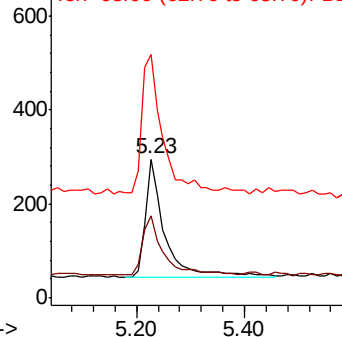
#4

2-Fluorophenol
Concen: 0.345 ng
RT: 5.23 min Scan# 205
Delta R.T. 0.00 min
Lab File: BE100210.D
Acq: 27 Jun 2019 18:28

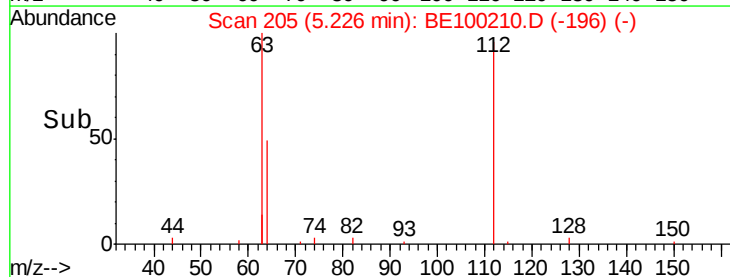
Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	40.7	61.1
63	123.1	93.2	139.8

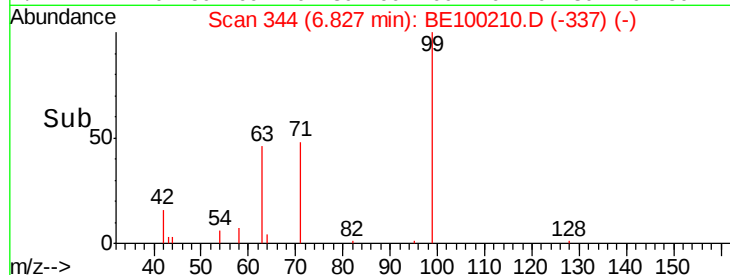
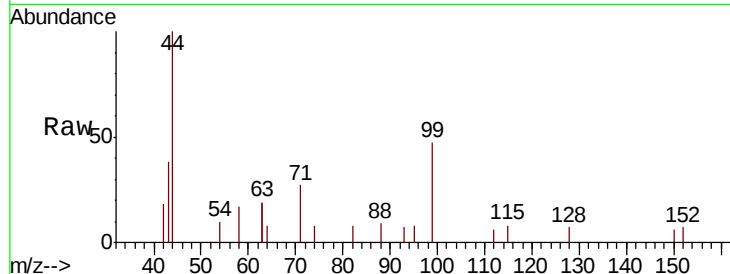
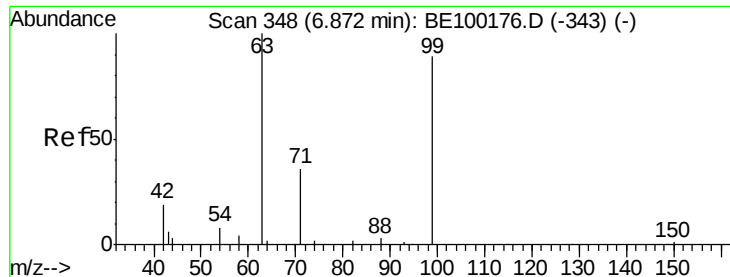


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE1
Ion 63.00 (62.70 to 63.70): BE1



Time-->





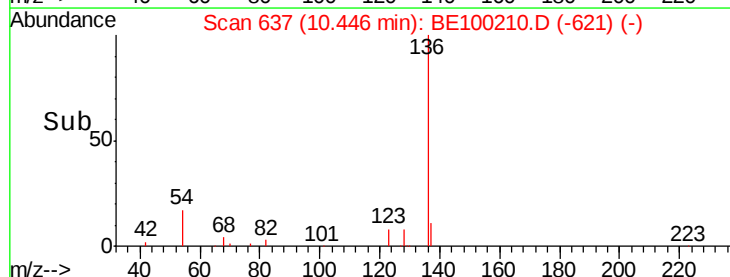
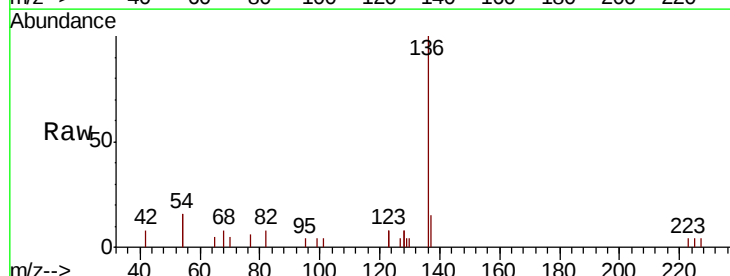
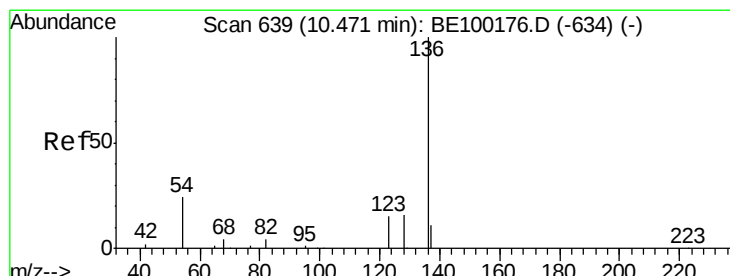
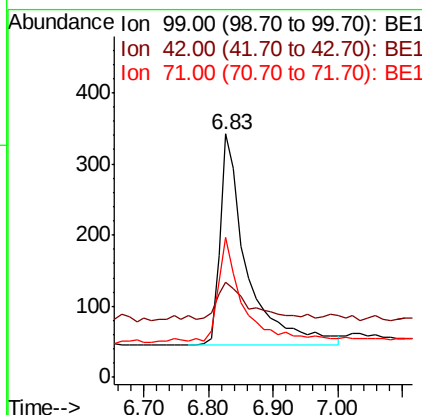
#5
Phenol-d6
Concen: 0.350 ng
RT: 6.83 min Scan# 344
Delta R.T. -0.02 min
Lab File: BE100210.D
Acq: 27 Jun 2019 18:28

Tot Ion	Ratio	Lower	Upper
99	100		
42	22.6	10.4	15.6#
71	44.4	32.4	48.6

Instrument :
BNA_E
ClientSampleId :
PST-084-B042-061319

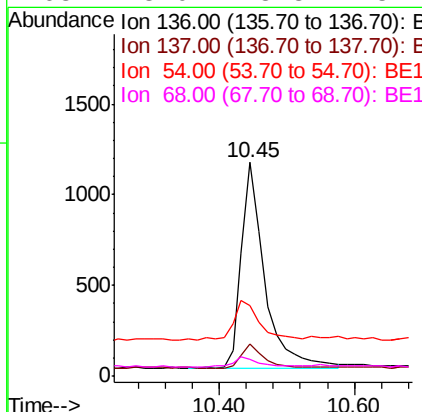
Manual Integrations
APPROVED

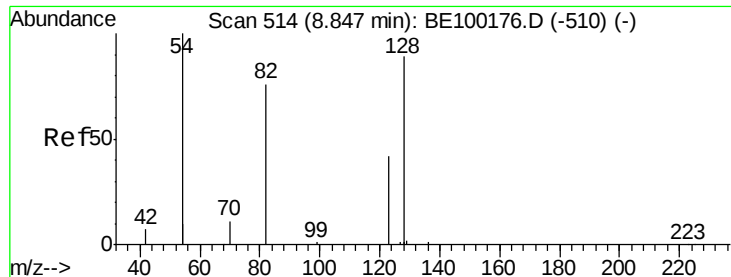
mohammad
7/1/2019 8:11:51 AM



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.45 min Scan# 637
Delta R.T. 0.00 min
Lab File: BE100210.D
Acq: 27 Jun 2019 18:28

Tgt Ion	Ratio	Lower	Upper
136	100		
137	14.8	13.8	20.8
54	32.9	35.4	53.2#
68	8.0	8.8	13.2#





#8

Nitrobenzene-d5

Concen: 0.319 ng

RT: 8.82 min Scan# 512

Delta R.T. -0.01 min

Lab File: BE100210.D

Acq: 27 Jun 2019 18:28

Instrument :

BNA_E

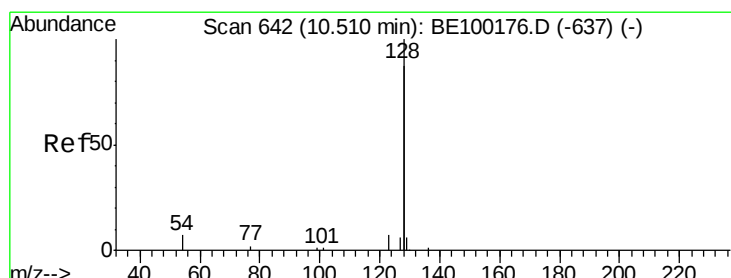
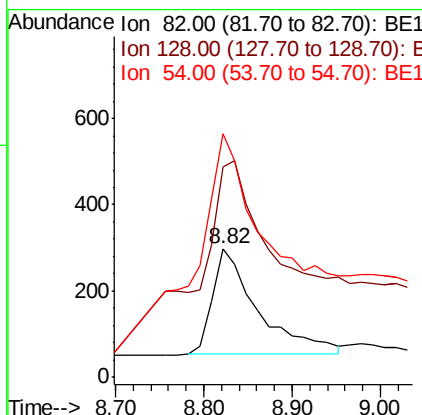
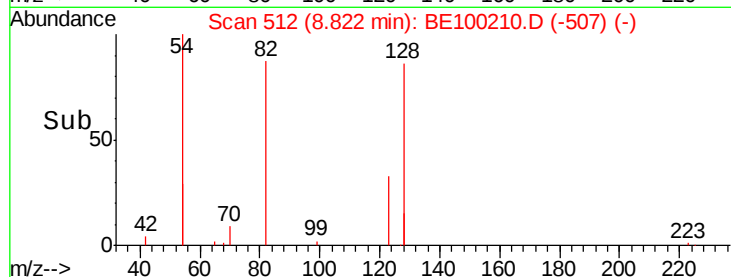
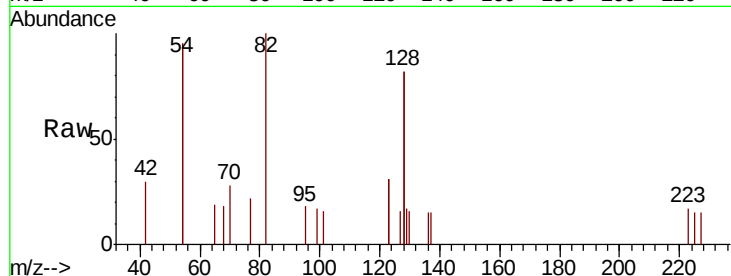
ClientSampleId :

PST-084-B042-061319

Tot Ion:	82	Resp:	865
Ion	Ratio	Lower	Upper
82	100		
128	163.1	144.6	217.0
54	189.3	163.0	244.6

Manual Integrations
APPROVED

mohammad
7/1/2019 8:11:51 AM



#9

Naphthalene

Concen: 0.052 ng

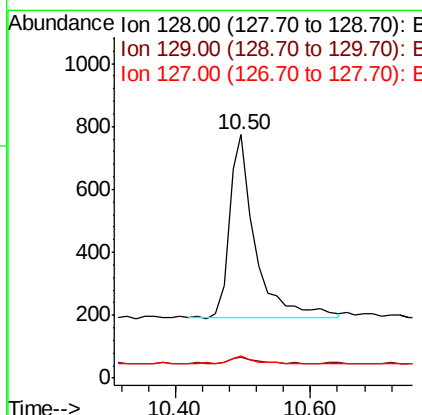
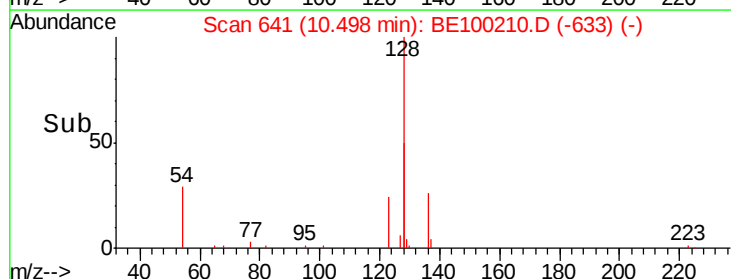
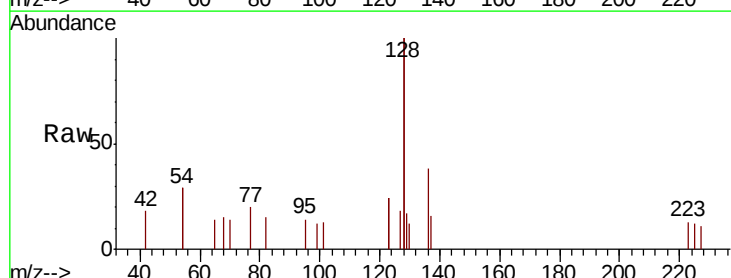
RT: 10.50 min Scan# 641

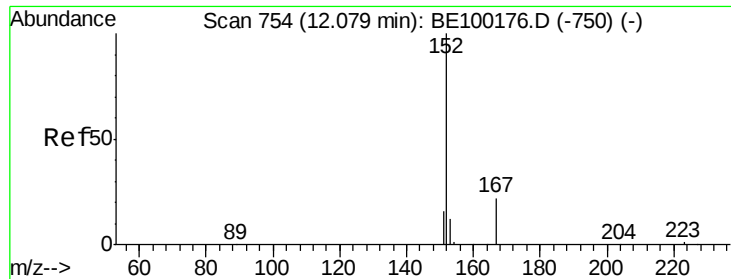
Delta R.T. 0.00 min

Lab File: BE100210.D

Acq: 27 Jun 2019 18:28

Tgt Ion:	128	Resp:	1553
Ion	Ratio	Lower	Upper
128	100		
129	8.4	3.6	5.4#
127	8.9	3.8	5.8#





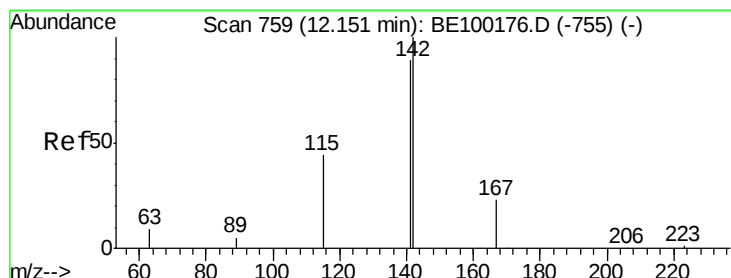
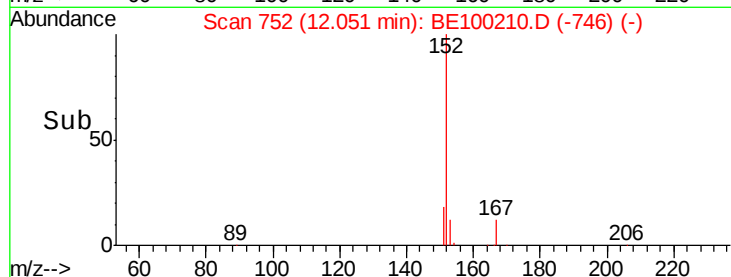
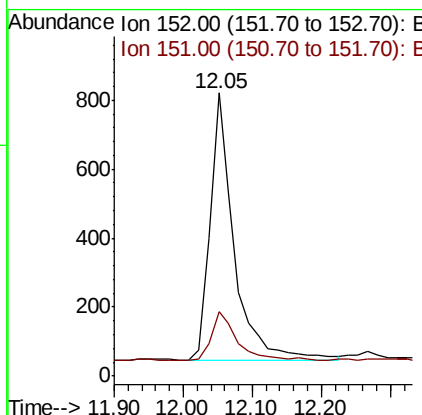
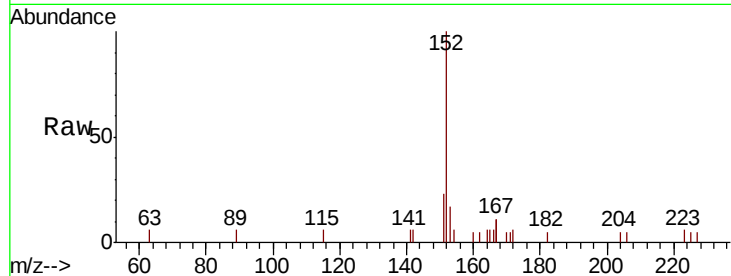
#11
2-Methylnaphthalene-d10
Concen: 0.369 ng
RT: 12.05 min Scan# 752
Delta R.T. -0.01 min
Lab File: BE100210.D
Acq: 27 Jun 2019 18:28

Instrument :
BNA_E
ClientSampleId :
PST-084-B042-061319

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.9	16.3	24.5

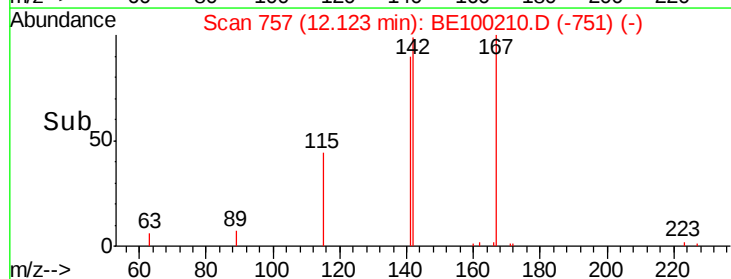
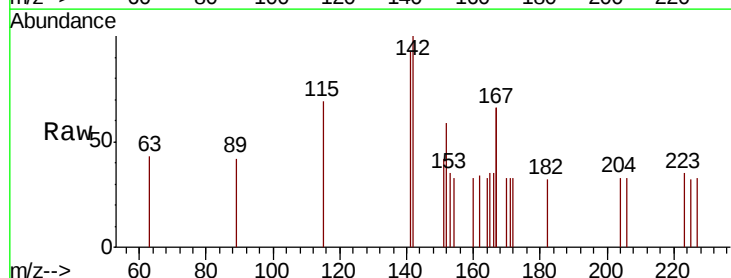
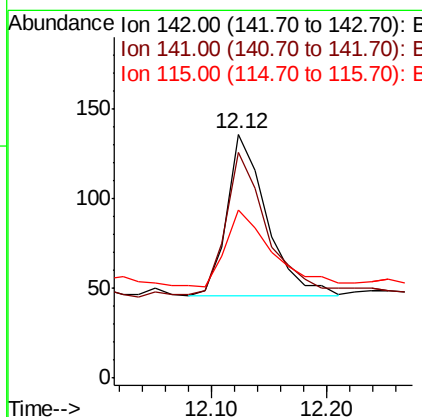
Manual Integrations
APPROVED

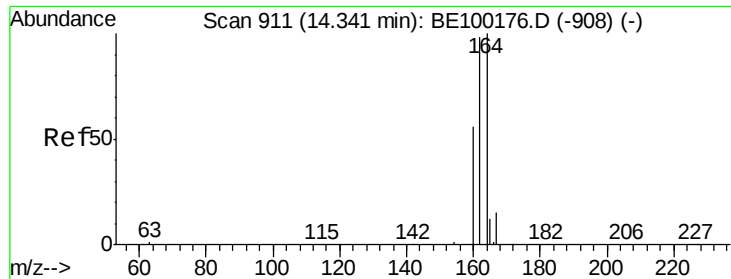
mohammad
7/1/2019 8:11:51 AM



#12
2-Methylnaphthalene
Concen: 0.045 ng
RT: 12.12 min Scan# 757
Delta R.T. -0.01 min
Lab File: BE100210.D
Acq: 27 Jun 2019 18:28

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.6	71.8	107.8
115	69.1	40.4	60.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 910

Delta R.T. 0.00 min

Lab File: BE100210.D

Acq: 27 Jun 2019 18:28

Instrument :

BNA_E

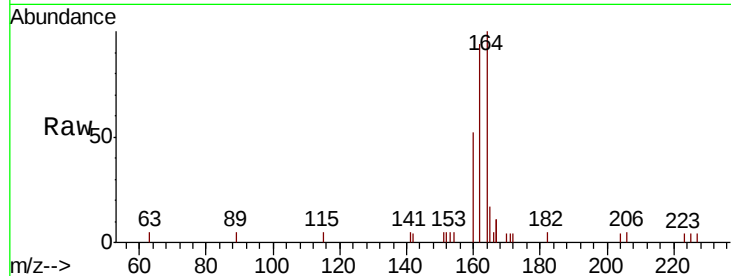
ClientSampleId :

PST-084-B042-061319

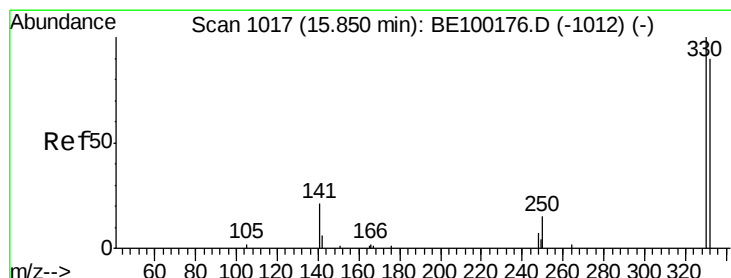
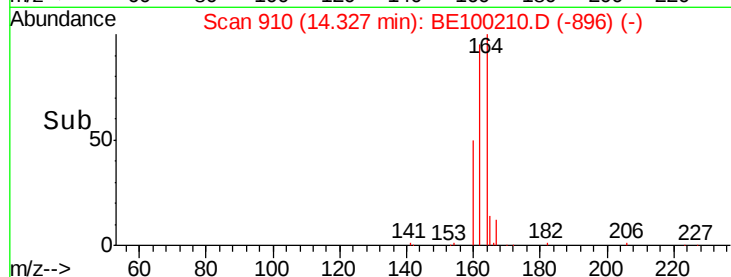
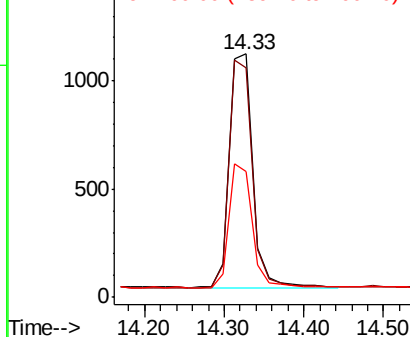
Tot Ion:	164	Resp:	2194
Ion	Ratio	Lower	Upper
164	100		
162	94.4	78.6	118.0
160	51.7	46.9	70.3

Manual Integrations
APPROVED

mohammad
7/1/2019 8:11:51 AM



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.335 ng

RT: 15.81 min Scan# 1014

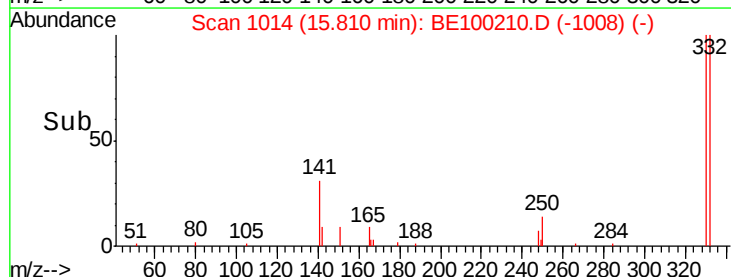
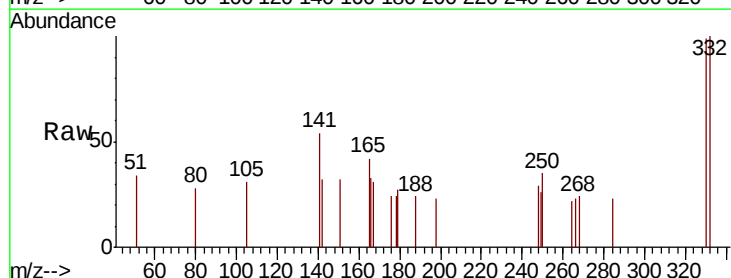
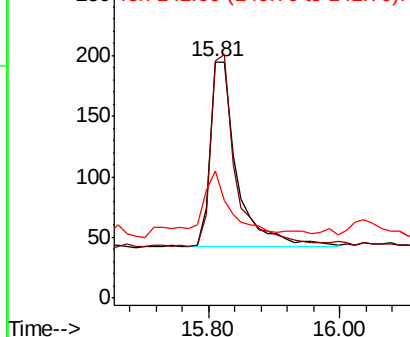
Delta R.T. -0.03 min

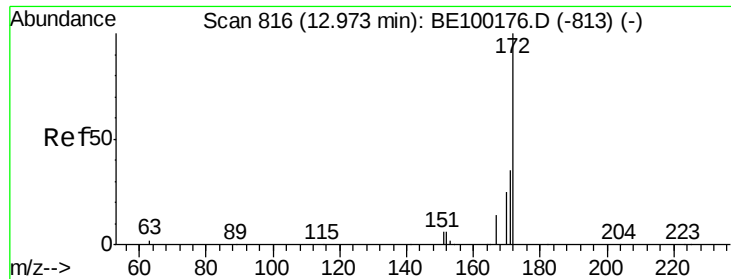
Lab File: BE100210.D

Acq: 27 Jun 2019 18:28

Tgt Ion:	330	Resp:	426
Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.7	116.5
141	29.3	18.9	28.3#

Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





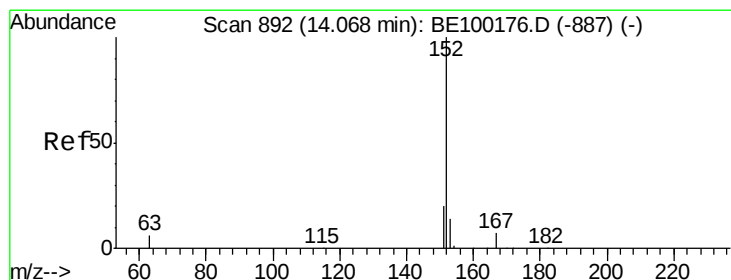
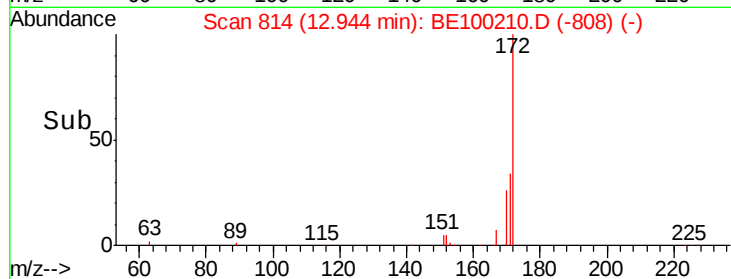
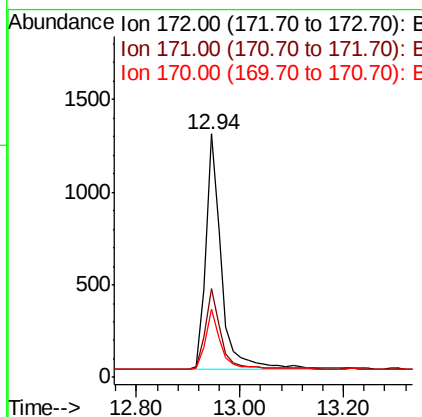
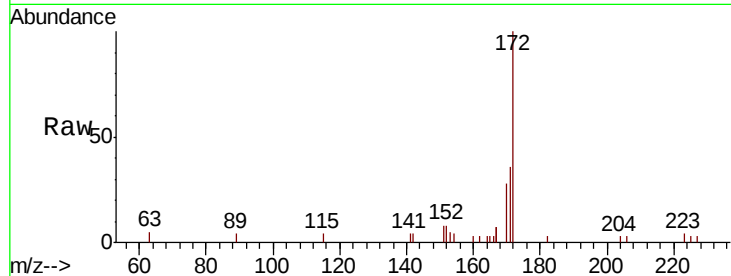
#15
2-Fluorobiphenyl
Concen: 0.301 ng
RT: 12.94 min Scan# 814
Delta R.T. -0.01 min
Lab File: BE100210.D
Acq: 27 Jun 2019 18:28

Instrument :
BNA_E
ClientSampleId :
PST-084-B042-061319

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	31.0	46.4
170	28.1	23.9	35.9

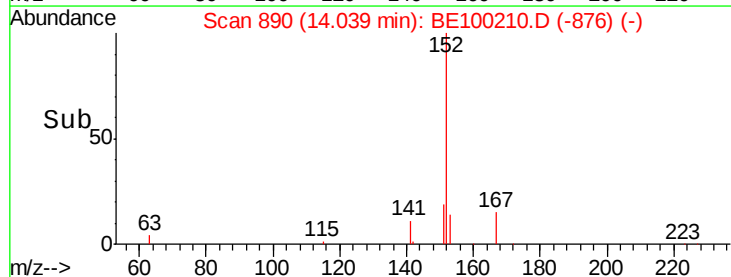
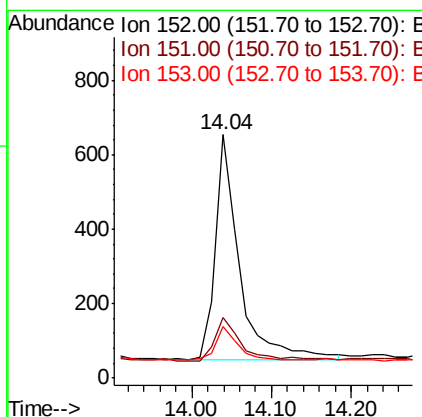
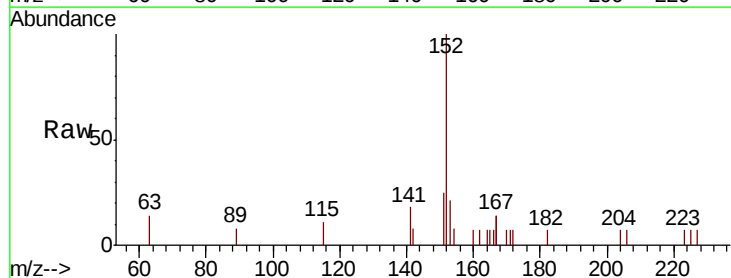
Manual Integrations
APPROVED

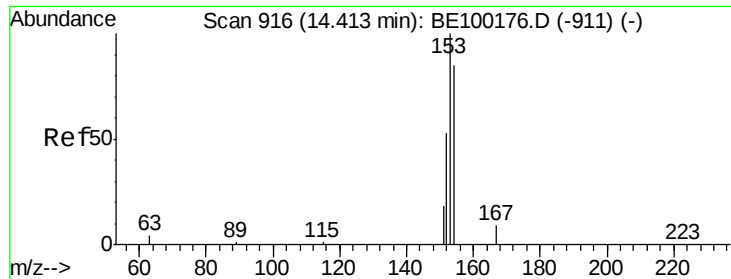
mohammad
7/1/2019 8:11:51 AM



#16
Acenaphthylene
Concen: 0.119 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100210.D
Acq: 27 Jun 2019 18:28

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.4	23.0
153	13.6	10.8	16.2





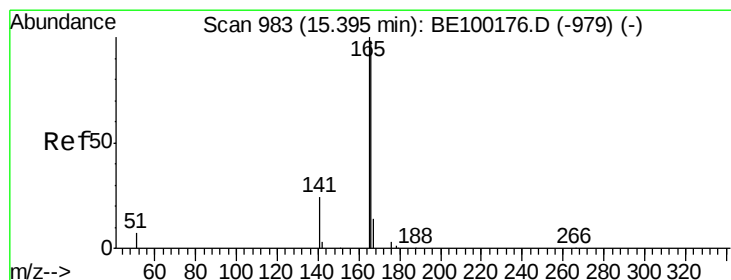
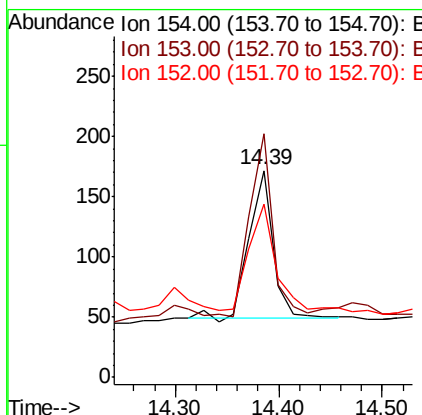
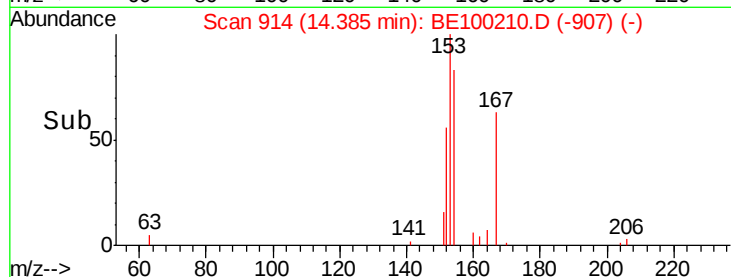
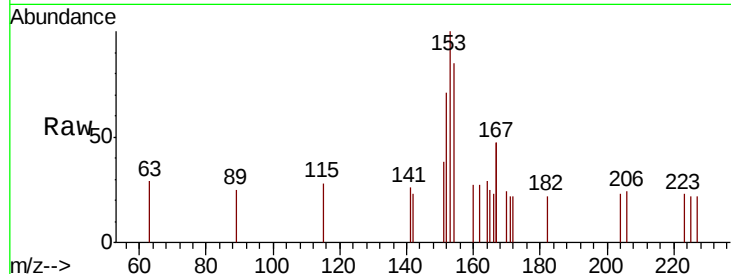
#17
Acenaphthene
Concen: 0.033 ng
RT: 14.39 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100210.D
Acq: 27 Jun 2019 18:28

Instrument :
BNA_E
ClientSampleId :
PST-084-B042-061319

Tot Ion	Ratio	Lower	Upper
154	100		
153	117.1	95.3	142.9
152	81.9	52.9	79.3

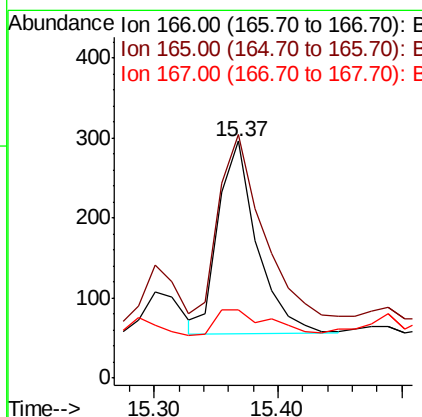
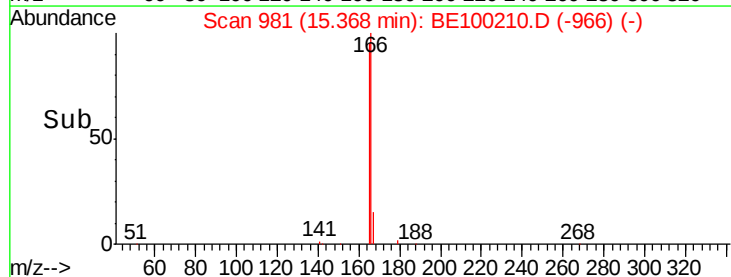
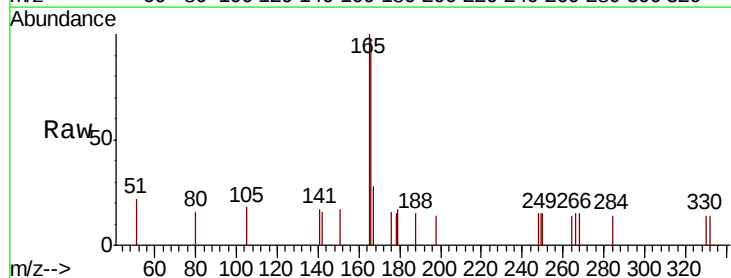
Manual Integrations
APPROVED

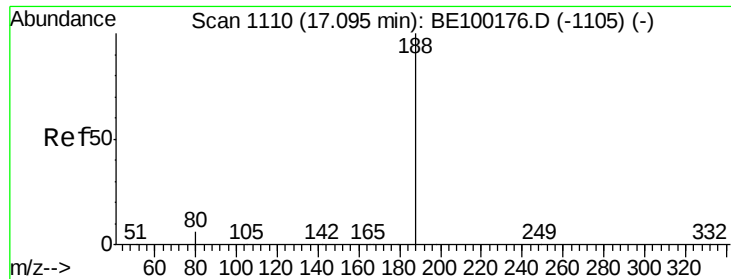
mohammad
7/1/2019 8:11:51 AM



#18
Fluorene
Concen: 0.060 ng
RT: 15.37 min Scan# 981
Delta R.T. 0.00 min
Lab File: BE100210.D
Acq: 27 Jun 2019 18:28

Tgt Ion	Ratio	Lower	Upper
166	100		
165	114.1	81.0	121.4
167	19.7	11.4	17.0





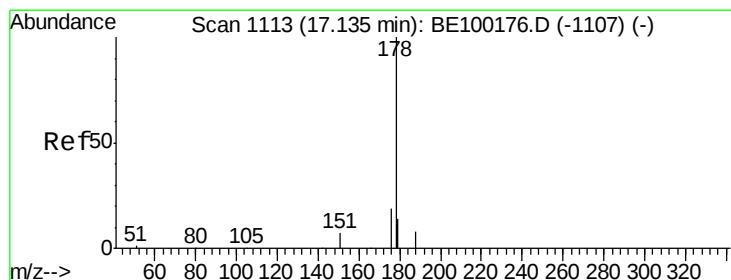
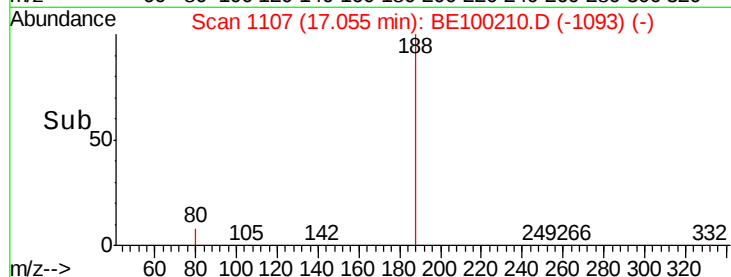
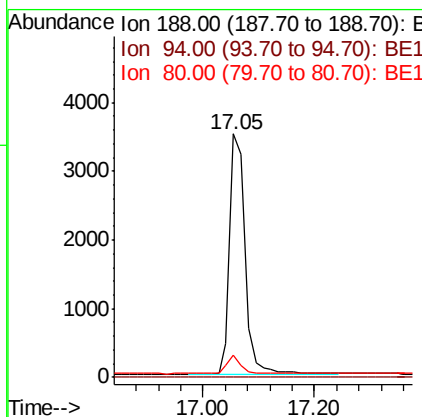
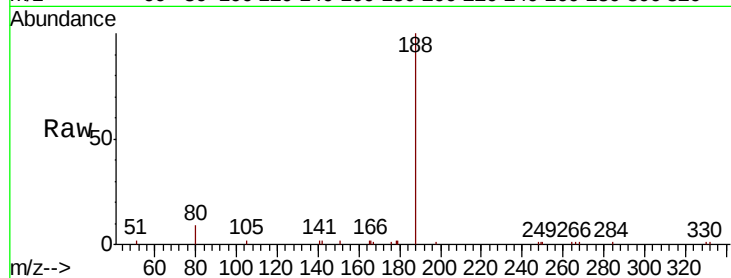
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.01 min
Lab File: BE100210.D
Acq: 27 Jun 2019 18:28

Instrument :
BNA_E
ClientSampleId :
PST-084-B042-061319

Tot Ion	Ratio	Resp	Lower	Upper
188	100	6680		
94	0.0	0.0	0.0	0.0
80	9.2	6.4	9.6	

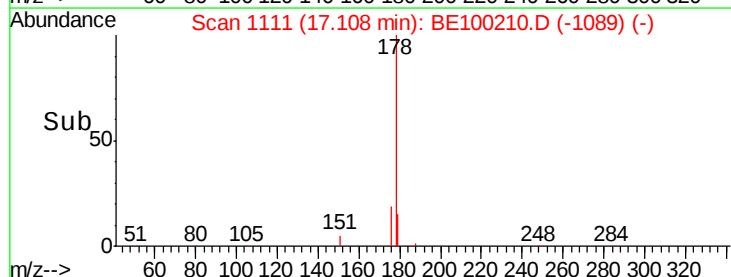
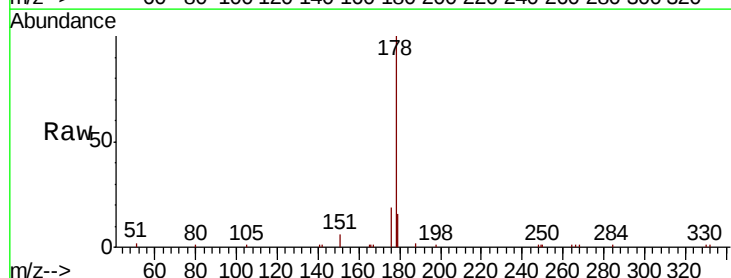
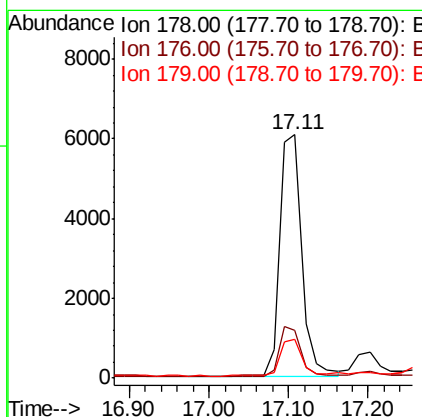
Manual Integrations
APPROVED

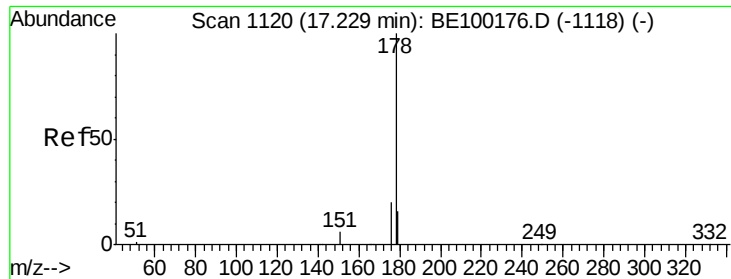
mohammad
7/1/2019 8:11:51 AM



#23
Phenanthrene
Concen: 0.737 ng
RT: 17.11 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BE100210.D
Acq: 27 Jun 2019 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	11654		
176	19.7	15.5	23.3	
179	15.3	12.2	18.2	





#24

Anthracene

Concen: 0.088 ng

RT: 17.20 min Scan# 1118

Delta R.T. 0.00 min

Lab File: BE100210.D

Acq: 27 Jun 2019 18:28

Instrument :

BNA_E

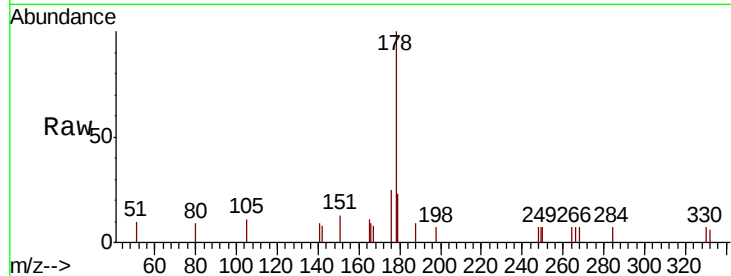
ClientSampleId :

PST-084-B042-061319

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.0	15.7	23.5
179	11.7	12.9	19.3

Manual Integrations
APPROVED

mohammad
7/1/2019 8:11:51 AM



Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

8000

6000

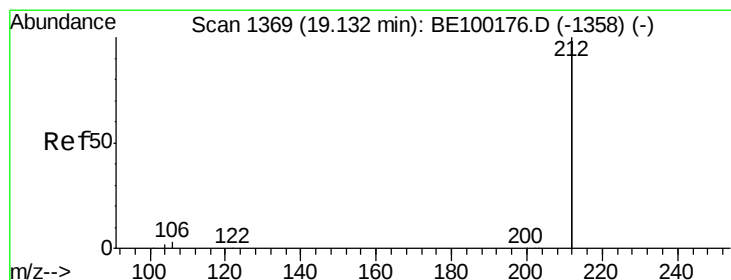
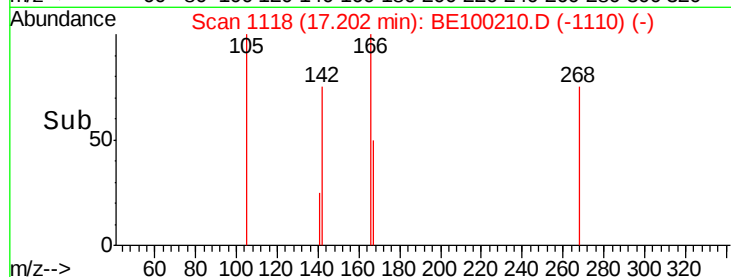
4000

2000

0

17.20

Time-->



#25

Fluoranthene-d10

Concen: 0.365 ng

RT: 19.10 min Scan# 1363

Delta R.T. -0.01 min

Lab File: BE100210.D

Acq: 27 Jun 2019 18:28

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.7	1.3	1.9
104	1.0	0.7	1.1

Abundance

Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

30000

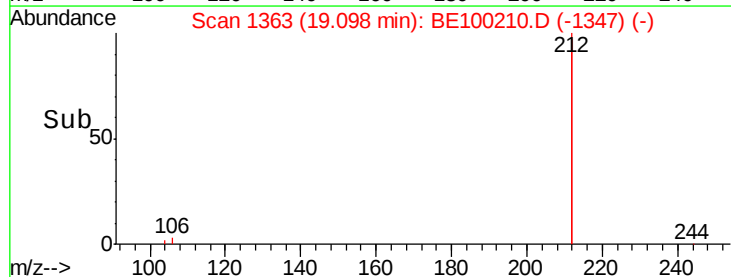
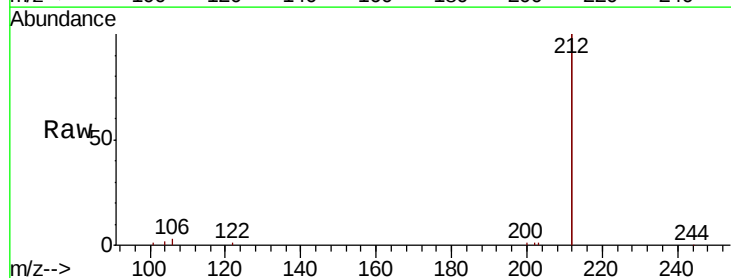
20000

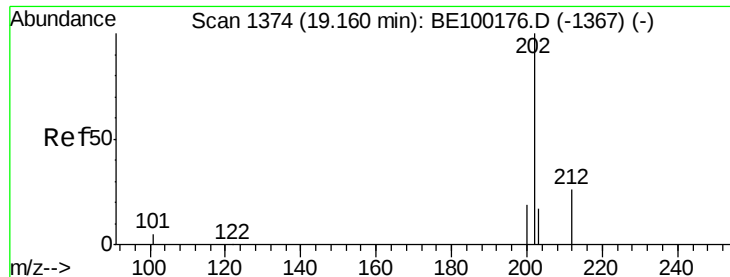
10000

0

19.10

Time-->





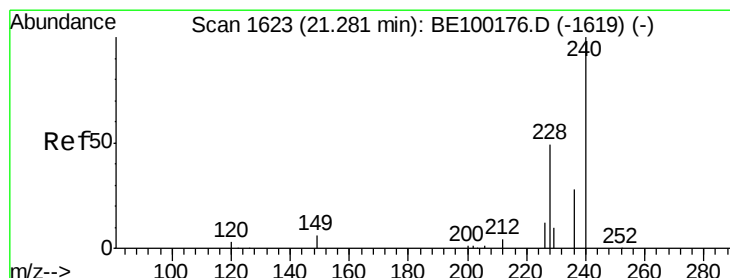
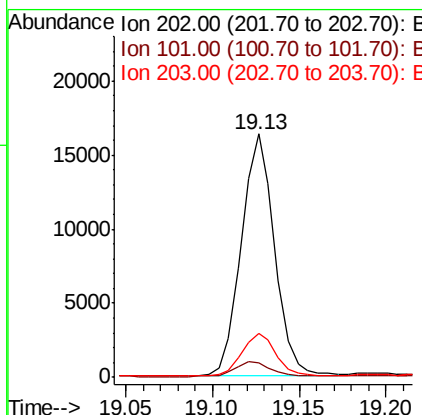
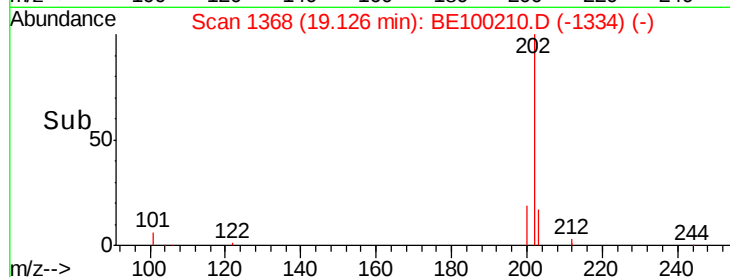
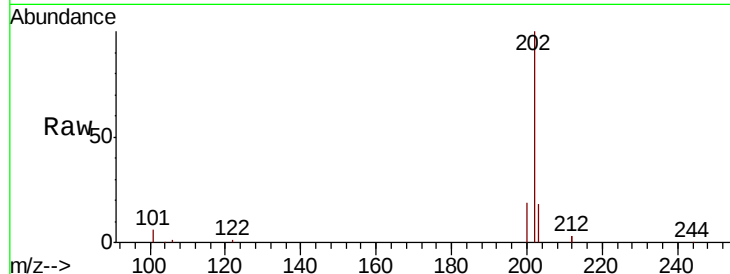
#26
Fluoranthene
Concen: 0.852 ng
RT: 19.13 min Scan# 1368
Delta R.T. -0.01 min
Lab File: BE100210.D
Acq: 27 Jun 2019 18:28

Instrument :
BNA_E
ClientSampleId :
PST-084-B042-061319

Tot Ion	Ratio	Lower	Upper
202	100		
101	6.3	4.5	6.7
203	17.8	13.7	20.5

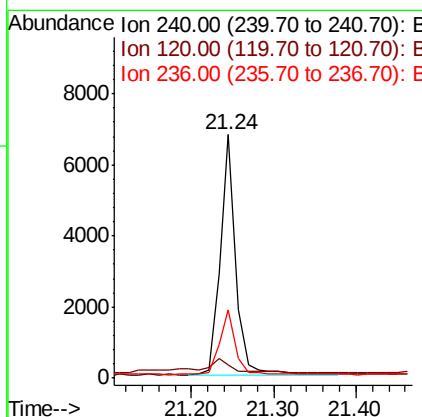
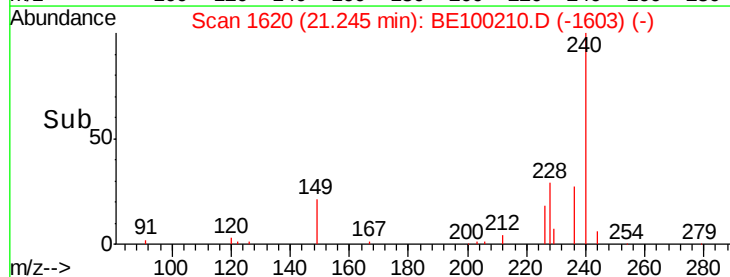
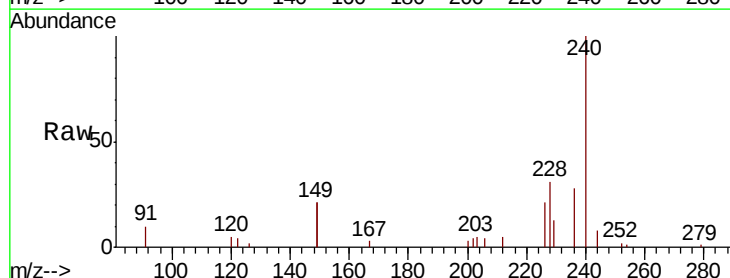
Manual Integrations
APPROVED

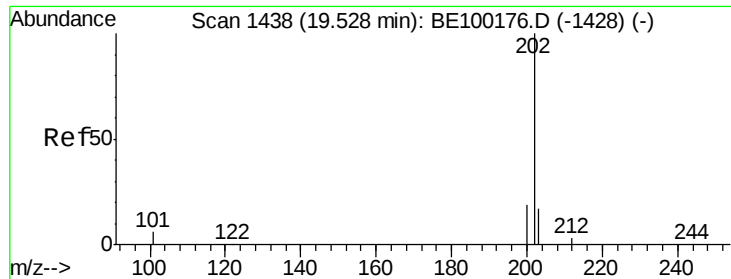
mohammad
7/1/2019 8:11:51 AM



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.24 min Scan# 1620
Delta R.T. -0.00 min
Lab File: BE100210.D
Acq: 27 Jun 2019 18:28

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.3	4.1	6.1
236	28.2	23.0	34.6





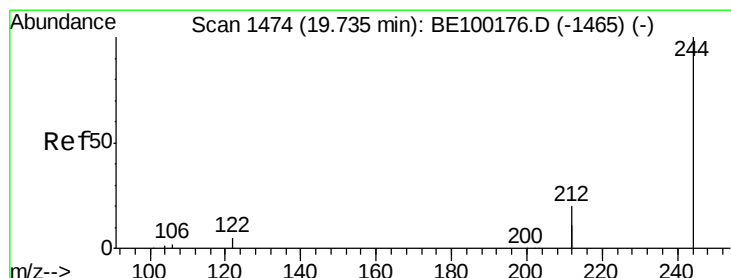
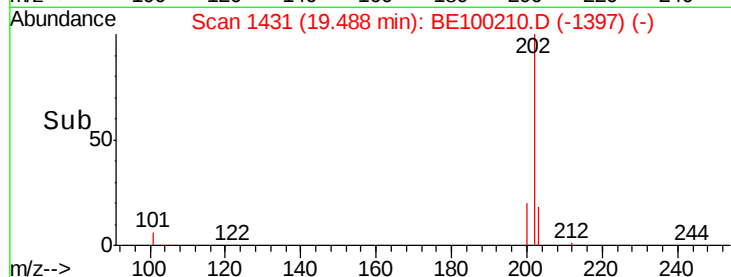
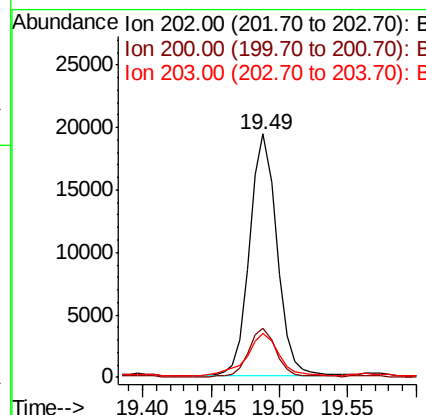
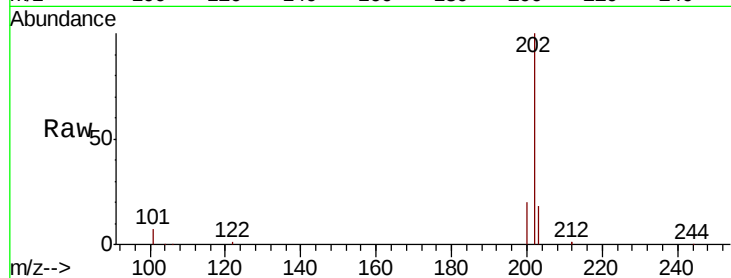
#28
Pvrene
Concen: 1.167 ng
RT: 19.49 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BE100210.D
Acq: 27 Jun 2019 18:28

Instrument :
BNA_E
ClientSampleId :
PST-084-B042-061319

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.5	23.3
203	20.2	13.9	20.9

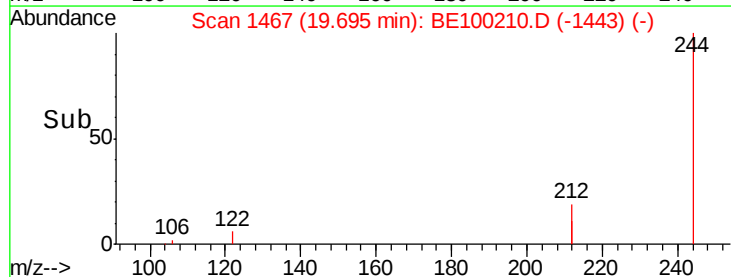
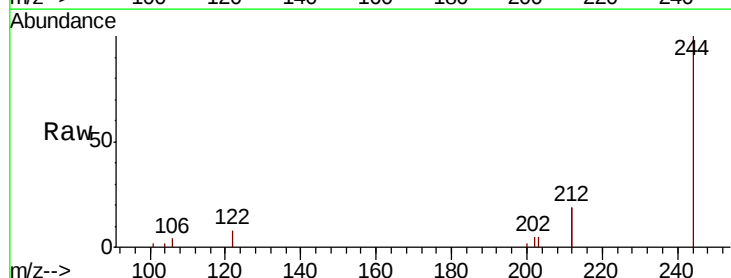
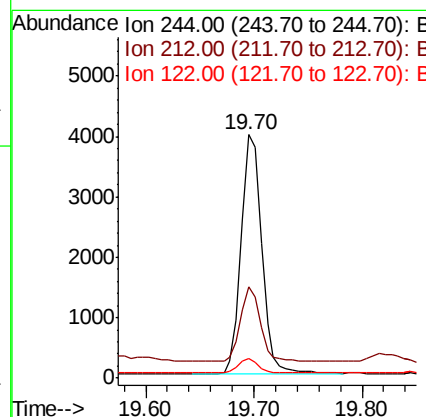
Manual Integrations
APPROVED

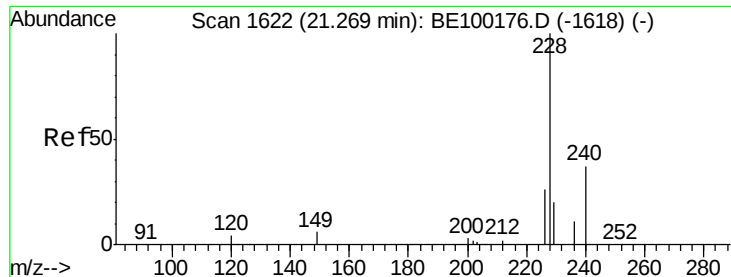
mohammad
7/1/2019 8:11:51 AM



#29
Terphenyl-d14
Concen: 0.300 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BE100210.D
Acq: 27 Jun 2019 18:28

Tgt Ion	Ratio	Lower	Upper
244	100		
212	37.3	30.7	46.1
122	7.8	5.8	8.6





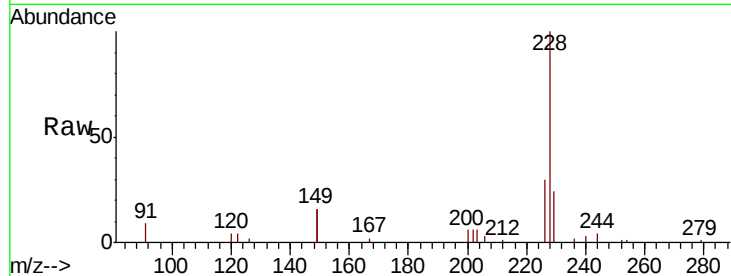
#30
Benzo(a)anthracene
Concen: 0.523 ng
RT: 21.22 min Scan# 1618
Delta R.T. -0.01 min
Lab File: BE100210.D
Acq: 27 Jun 2019 18:28

Instrument :
BNA_E
ClientSampleId :
PST-084-B042-061319

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	21.5	32.3
229	24.0	17.2	25.8

Manual Integrations
APPROVED

mohammad
7/1/2019 8:11:51 AM

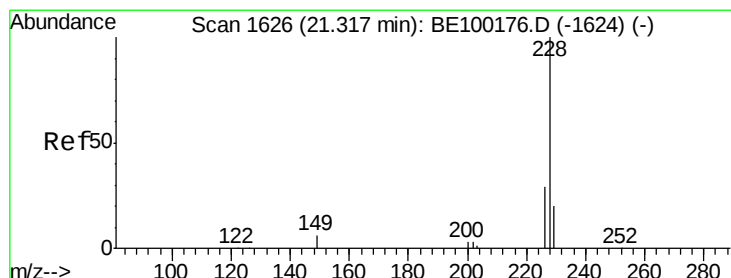
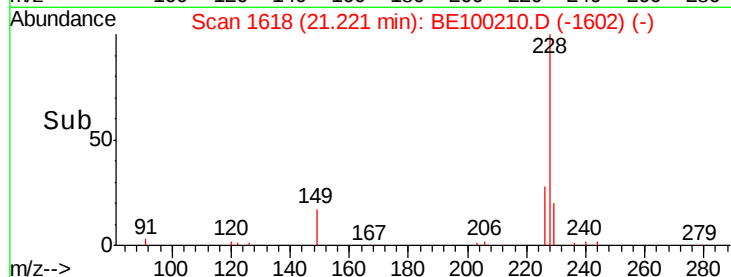
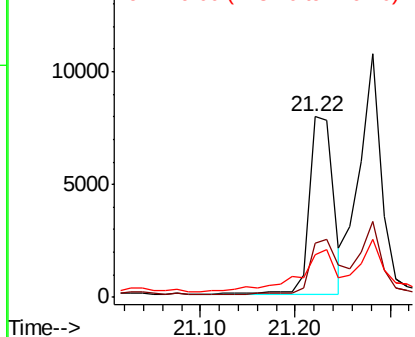


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31
Chrysene
Concen: 0.544 ng
RT: 21.28 min Scan# 1623
Delta R.T. -0.00 min
Lab File: BE100210.D
Acq: 27 Jun 2019 18:28

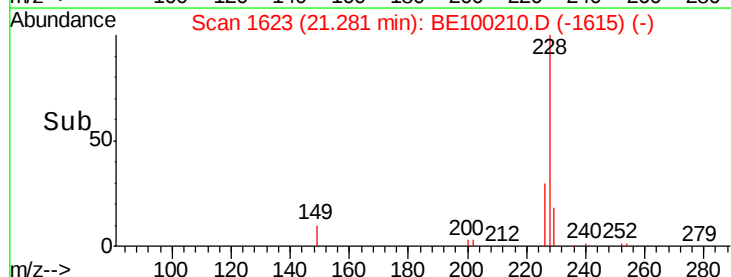
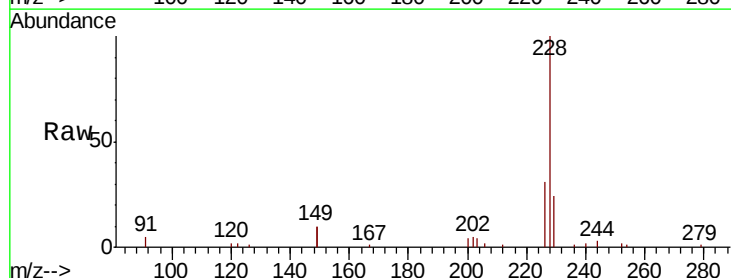
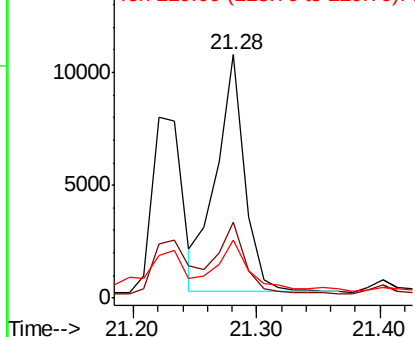
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.7	35.5
229	23.7	16.5	24.7

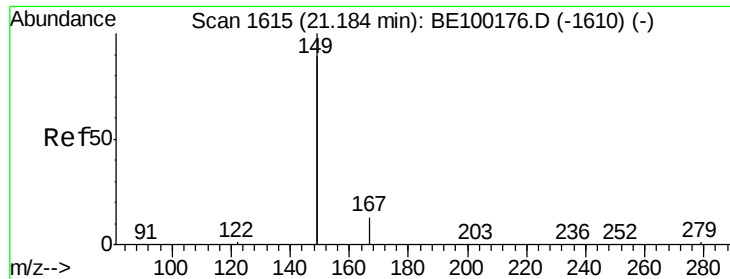
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





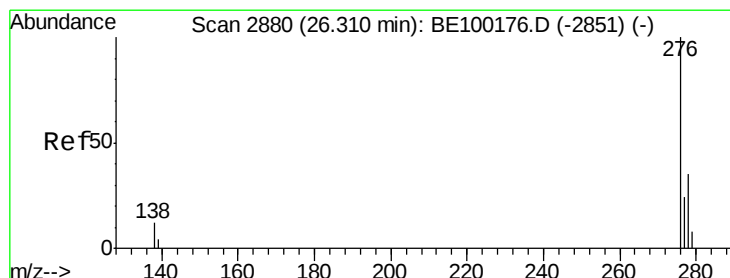
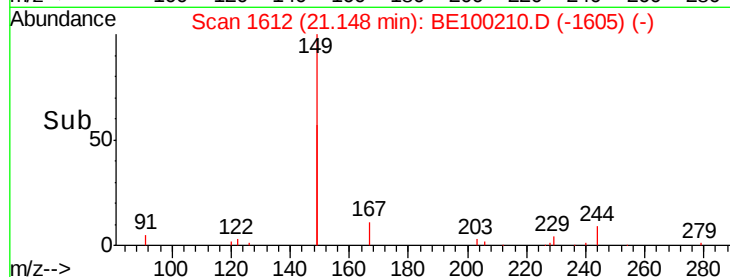
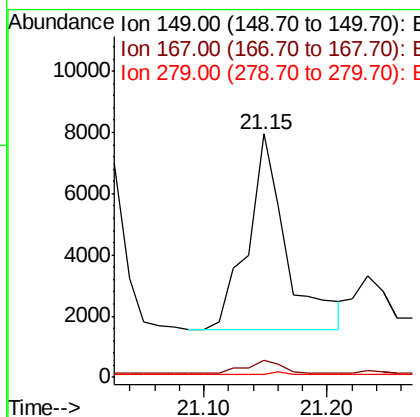
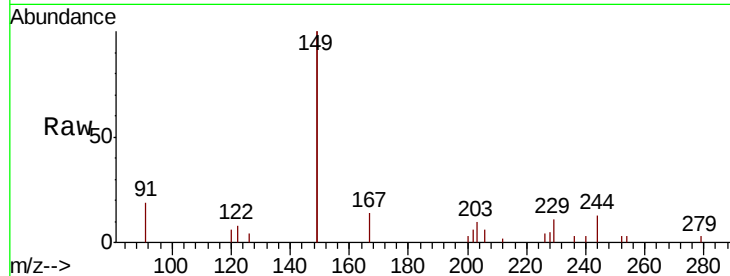
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.460 ng
 RT: 21.15 min Scan# 1612
 Delta R.T. -0.01 min
 Lab File: BE100210.D
 Acq: 27 Jun 2019 18:28

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B042-061319

Tot Ion	Ratio	Lower	Upper
149	100		
167	5.8	5.9	8.9#
279	1.1	1.0	1.6

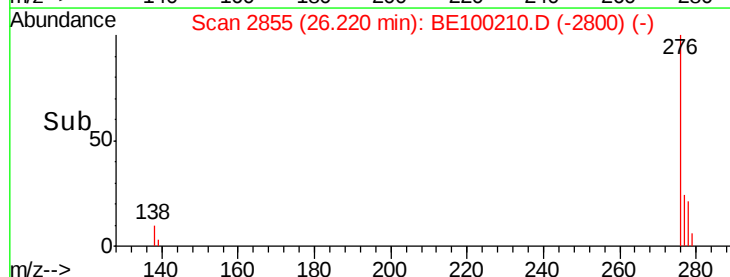
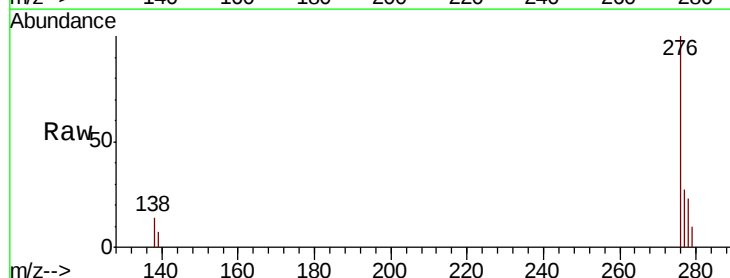
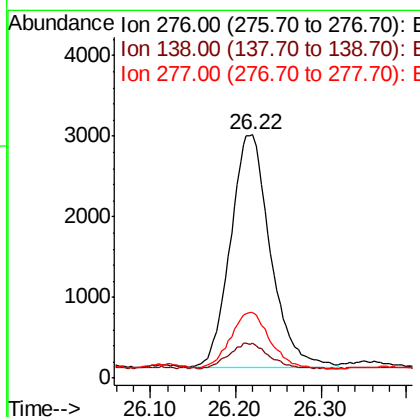
Manual Integrations
 APPROVED

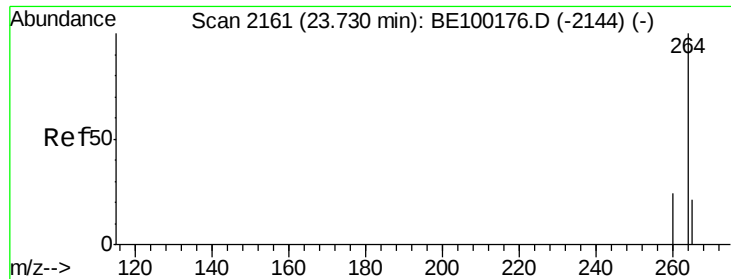
mohammad
 7/1/2019 8:11:51 AM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.213 ng
 RT: 26.22 min Scan# 2855
 Delta R.T. -0.00 min
 Lab File: BE100210.D
 Acq: 27 Jun 2019 18:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	11.0	3.7	5.5#
277	24.1	18.7	28.1





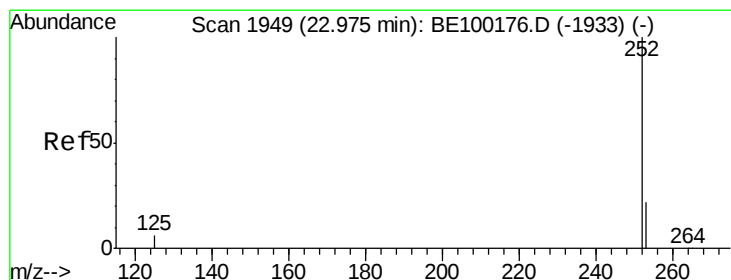
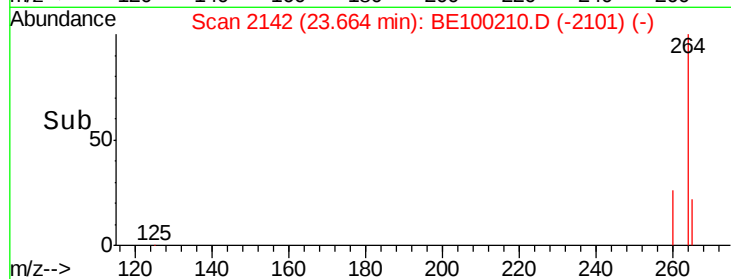
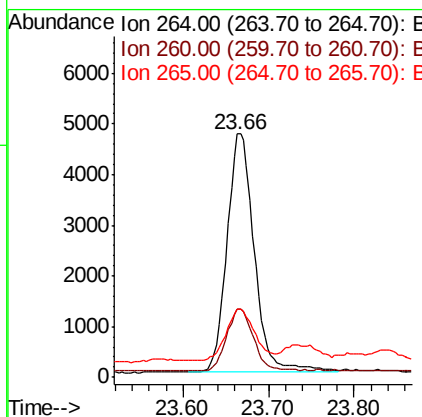
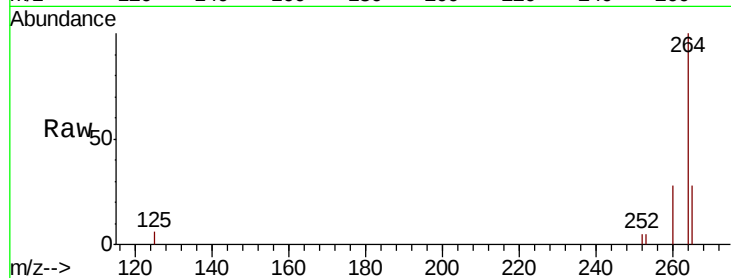
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.66 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BE100210.D
Acq: 27 Jun 2019 18:28

Instrument :
BNA_E
ClientSampleId :
PST-084-B042-061319

Tot Ion	Ratio	Lower	Upper
264	100		
260	28.0	20.4	30.6
265	28.2	22.5	33.7

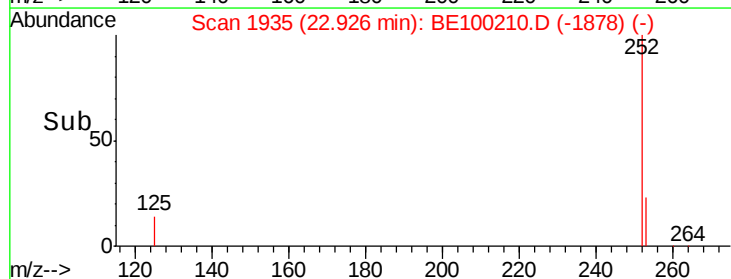
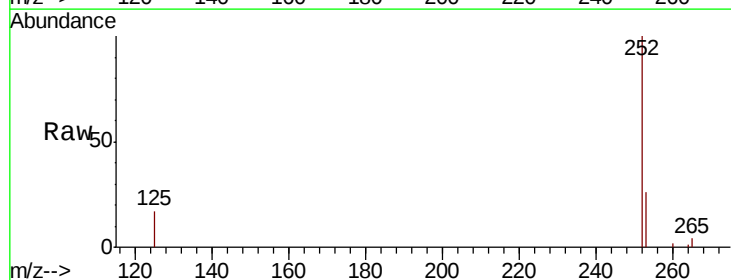
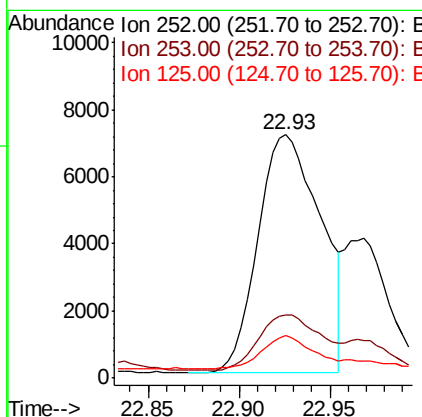
Manual Integrations
APPROVED

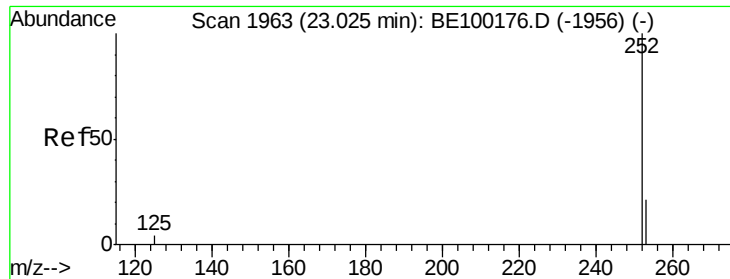
mohammad
7/1/2019 8:11:51 AM



#35
Benzo(b)fluoranthene
Concen: 0.599 ng
RT: 22.93 min Scan# 1935
Delta R.T. 0.00 min
Lab File: BE100210.D
Acq: 27 Jun 2019 18:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	19.0	28.4
125	17.5	6.3	9.5





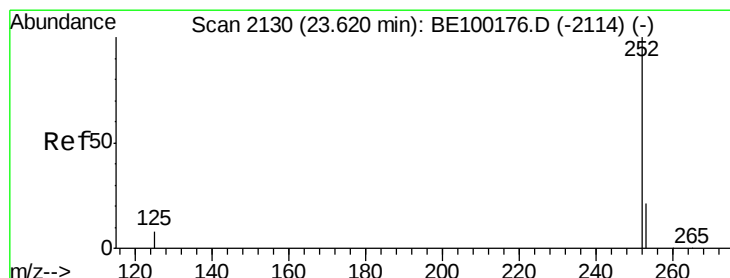
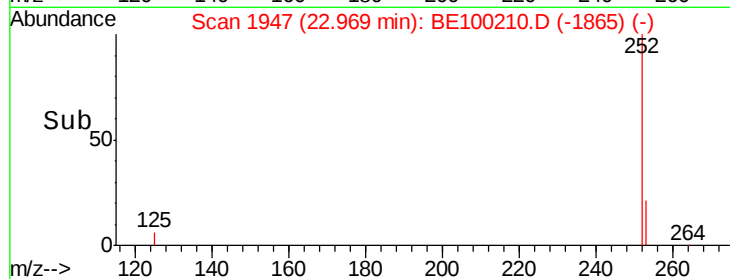
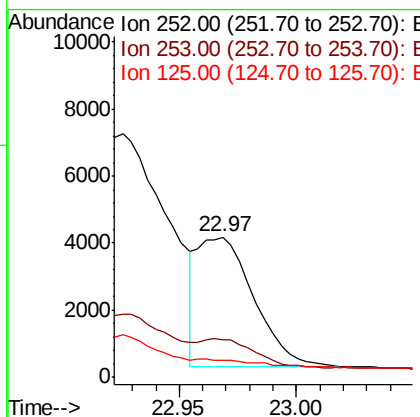
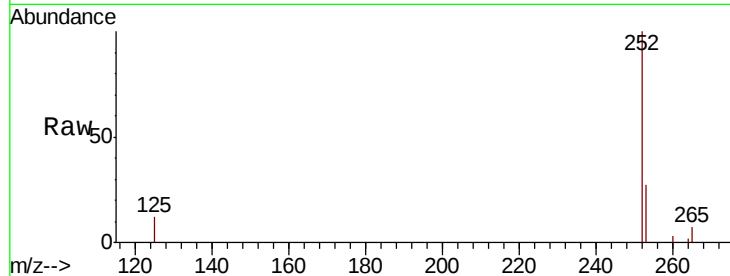
#36
Benzo(k)fluoranthene
Concen: 0.191 ng m
RT: 22.97 min Scan# 1947
Delta R.T. -0.01 min
Lab File: BE100210.D
Acq: 27 Jun 2019 18:28

Instrument :
BNA_E
ClientSampleId :
PST-084-B042-061319

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.0	18.4	27.6
125	12.3	5.0	7.4#

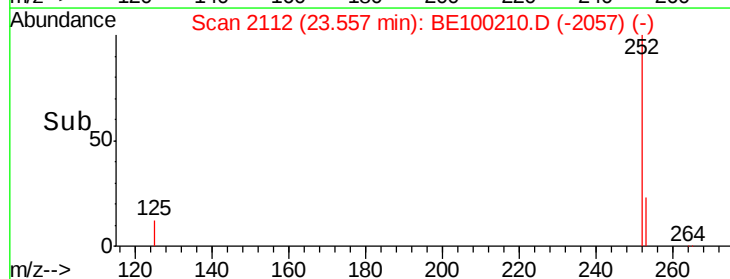
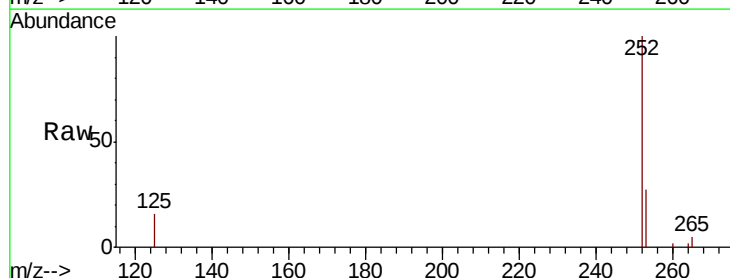
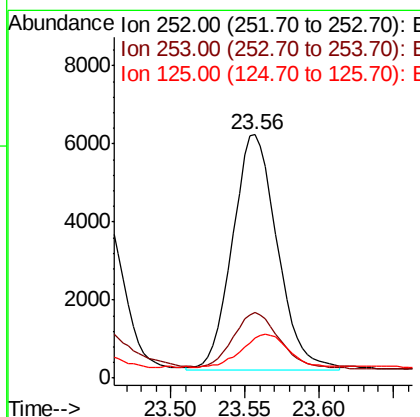
Manual Integrations
APPROVED

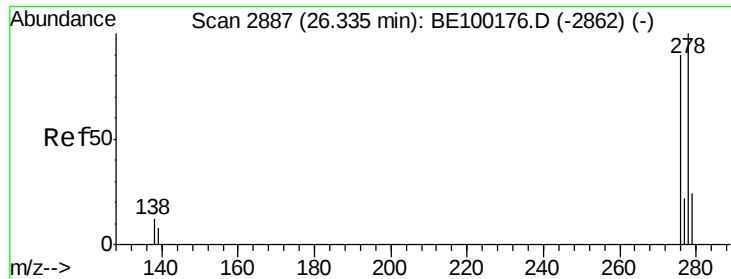
mohammad
7/1/2019 8:11:51 AM



#37
Benzo(a)pyrene
Concen: 0.432 ng m
RT: 23.56 min Scan# 2112
Delta R.T. -0.01 min
Lab File: BE100210.D
Acq: 27 Jun 2019 18:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.9	19.2	28.8
125	16.4	8.2	12.2#





#38

Dibenzo(a,h)anthracene

Concen: 0.078 ng

RT: 26.23 min Scan# 2857

Delta R.T. -0.03 min

Lab File: BE100210.D

Acq: 27 Jun 2019 18:28

Instrument :

BNA_E

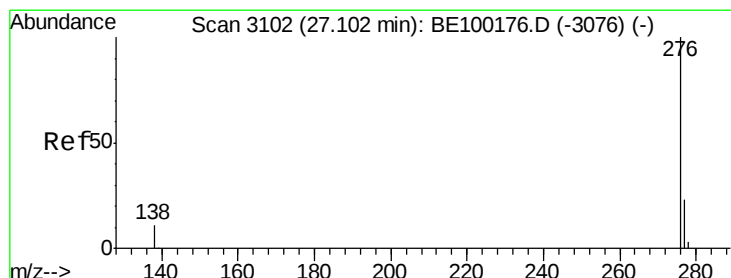
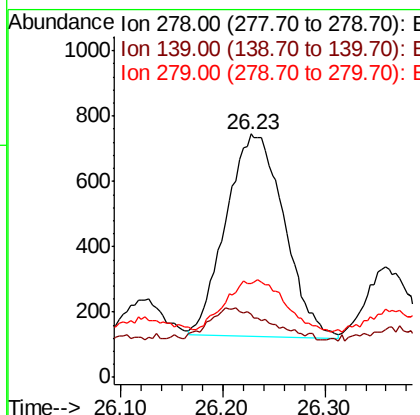
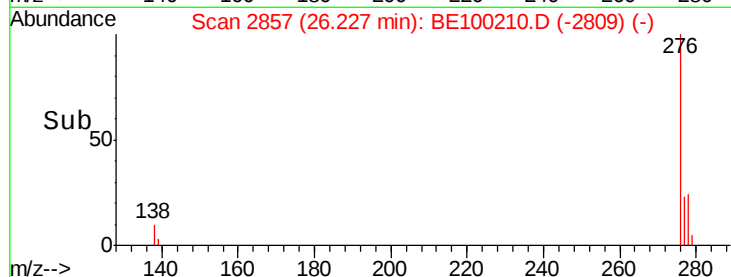
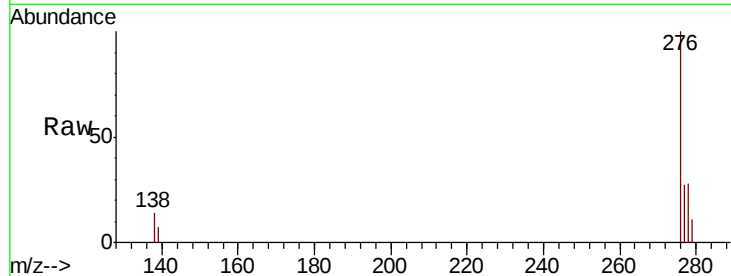
ClientSampleId :

PST-084-B042-061319

Tot Ion:	278	Resp:	2455
Ion Ratio	Lower	Upper	
278	100		
139	25.7	9.0	13.4#
279	38.7	21.1	31.7#

Manual Integrations
APPROVED

mohammad
7/1/2019 8:11:51 AM



#39

Benzo(g,h,i)perylene

Concen: 0.306 ng

RT: 27.00 min Scan# 3074

Delta R.T. -0.01 min

Lab File: BE100210.D

Acq: 27 Jun 2019 18:28

Tgt Ion:	276	Resp:	10025
Ion Ratio	Lower	Upper	
276	100		
277	26.4	19.8	29.6
138	13.6	10.2	15.4

