

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
 Data File : BE100245.D
 Acq On : 28 Jun 2019 21:27
 Operator : JU/SJ
 Sample : K3445-11
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-029-B217-061719

Manual Integrations
 APPROVED

mohammad
 7/1/2019 3:07:17 PM

Quant Time: Jun 29 00:58:15 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	7.64	152	786	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	2782	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2204	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	6377	0.40	ng	0.00
27) Chrysene-d12	21.24	240	8353	0.40	ng	0.00
34) Perylene-d12	23.67	264	10144	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.21	112	473	0.24	ng	0.00
5) Phenol-d6	6.83	99	654	0.25	ng	-0.01
8) Nitrobenzene-d5	8.81	82	677	0.24	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	1879	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	387	0.25	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	2015	0.23	ng	0.00
25) Fluoranthene-d10	19.10	212	31391	0.34	ng	0.00
29) Terphenyl-d14	19.70	244	3696	0.21	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.48	128	1604	0.052	ng	# 91
12) 2-Methylnaphthalene	12.12	142	230	0.043	ng	# 89
16) Acenaphthylene	14.04	152	2923	0.276	ng	# 92
17) Acenaphthene	14.38	154	396	0.066	ng	96
18) Fluorene	15.35	166	852	0.096	ng	# 77
23) Phenanthrene	17.09	178	18953	1.226	ng	99
24) Anthracene	17.19	178	3039	0.218	ng	97
26) Fluoranthene	19.13	202	45558	1.851	ng	99
28) Pyrene	19.49	202	54362	2.458	ng	96
30) Benzo(a)anthracene	21.23	228	53349m	1.942	ng	
31) Chrysene	21.28	228	50289	1.823	ng	98
32) Bis(2-ethylhexyl)phthalate	21.15	149	6342	0.106	ng	100
33) Indeno(1,2,3-cd)pyrene	26.22	276	41657	1.142	ng	# 98
35) Benzo(b)fluoranthene	22.93	252	74870	2.722	ng	# 96
36) Benzo(k)fluoranthene	22.97	252	27698m	0.902	ng	
37) Benzo(a)pyrene	23.56	252	58130m	2.109	ng	
38) Dibenzo(a,h)anthracene	26.24	278	13338	0.463	ng	# 90
39) Benzo(a,h,i)perylene	27.02	276	42959	1.453	ng	99

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

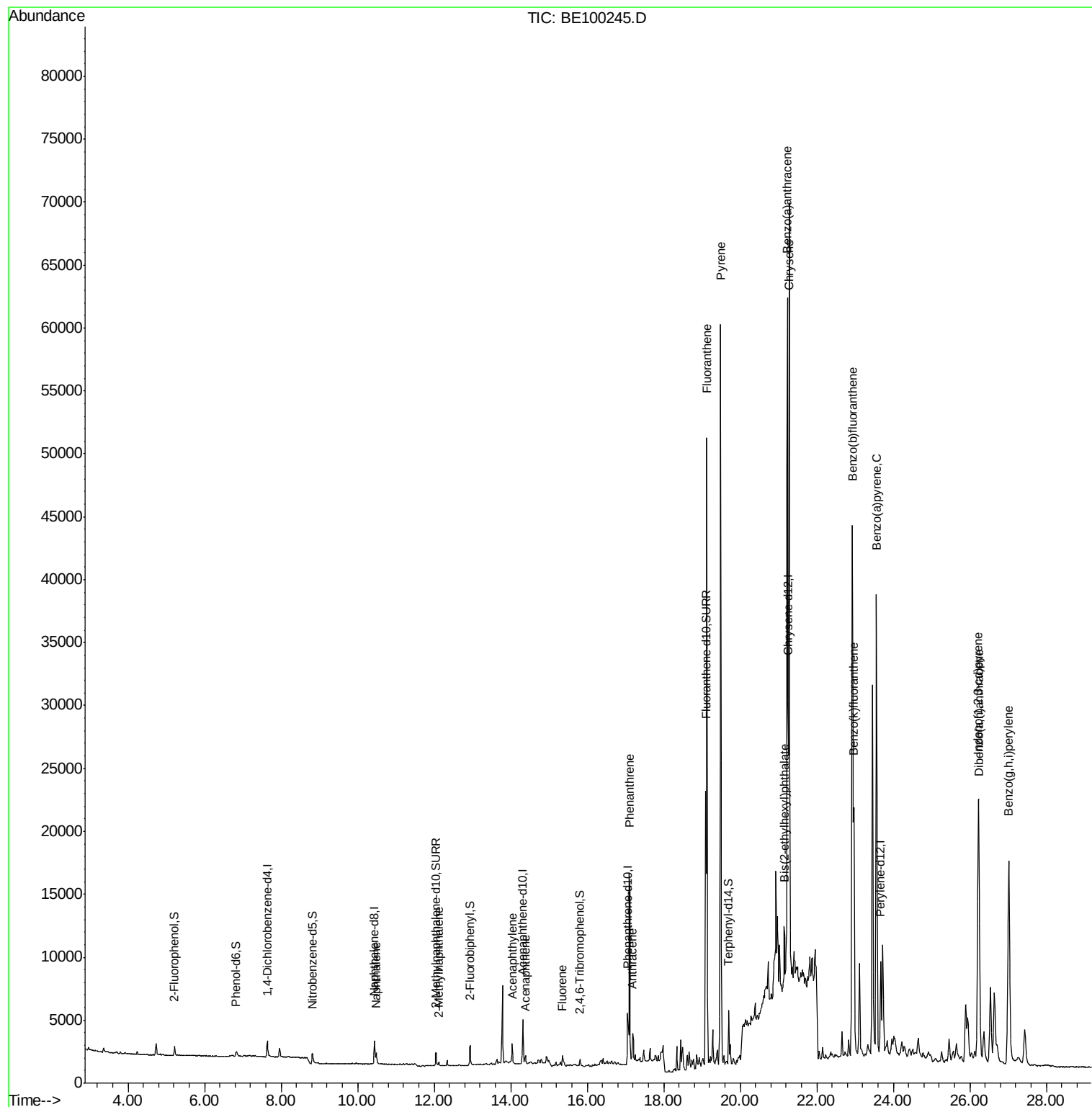
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
Data File : BE100245.D
Acq On : 28 Jun 2019 21:27
Operator : JU/SJ
Sample : K3445-11
Misc :
ALS Vial : 7 Sample Multiplier: 1

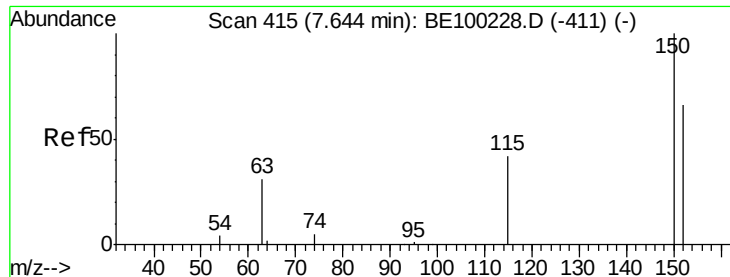
Instrument :
BNA_E
ClientSampleId :
PST-029-B217-061719

Manual Integrations
APPROVED

mohammad
7/1/2019 3:07:17 PM

Quant Time: Jun 29 00:58:15 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

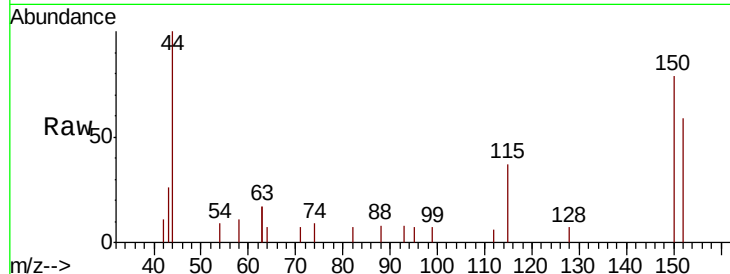
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100245.D
Acq: 28 Jun 2019 21:27

Instrument :
BNA_E
ClientSampleId :
PST-029-B217-061719

Tot Ion	Ratio	Lower	Upper
152	100		
150	133.4	114.5	171.7
115	62.4	57.1	85.7

Manual Integrations
APPROVED

mohammad
7/1/2019 3:07:17 PM

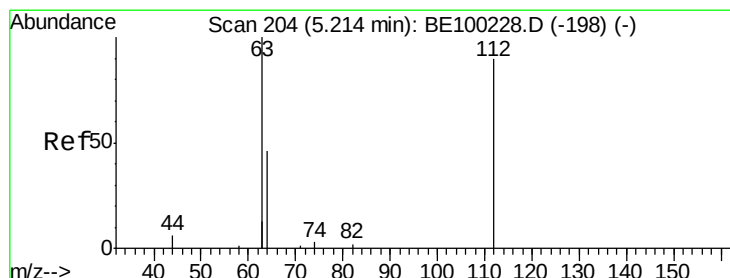
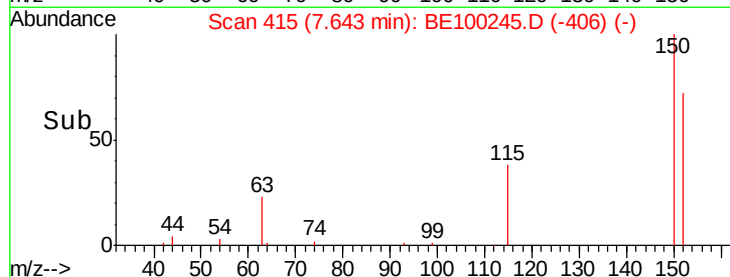
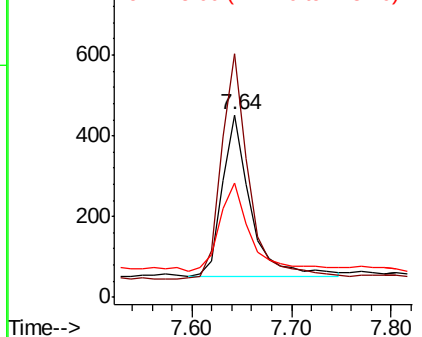


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

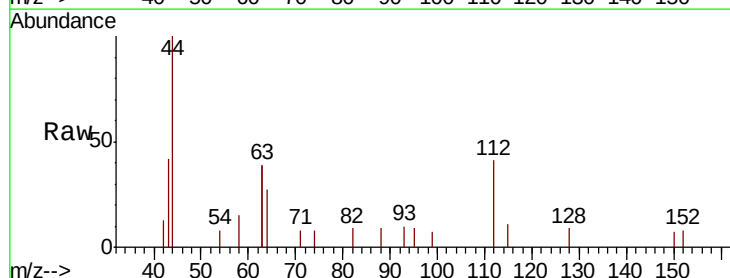
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.236 ng
RT: 5.21 min Scan# 204
Delta R.T. -0.00 min
Lab File: BE100245.D
Acq: 28 Jun 2019 21:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	39.4	59.0
63	160.7	104.5	156.7

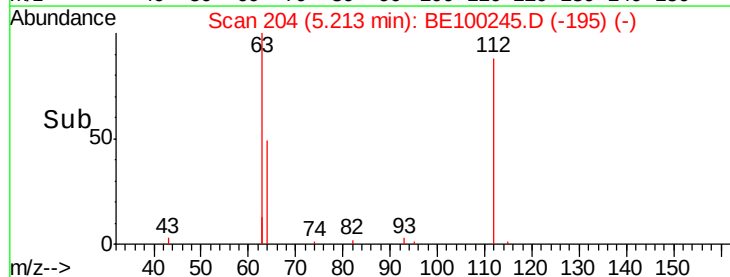
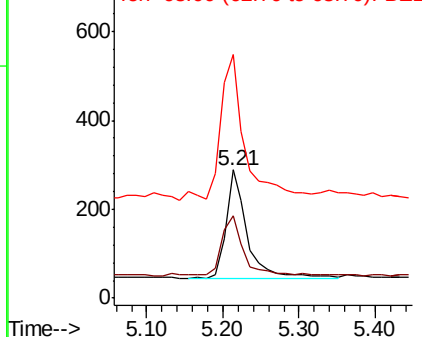


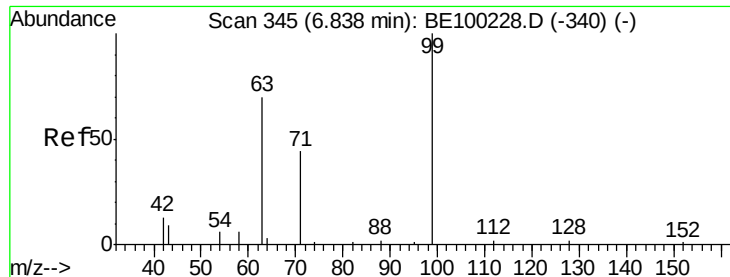
Abundance

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





#5

Phenol-d6

Concen: 0.248 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100245.D

Acq: 28 Jun 2019 21:27

Instrument :

BNA_E

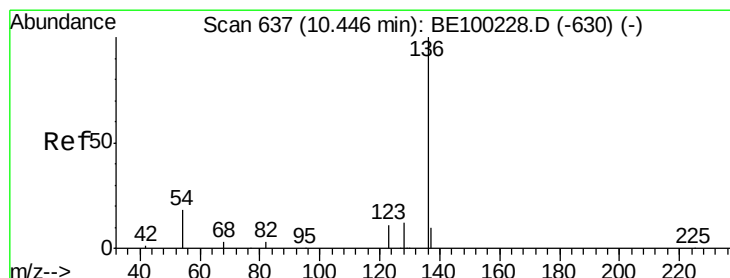
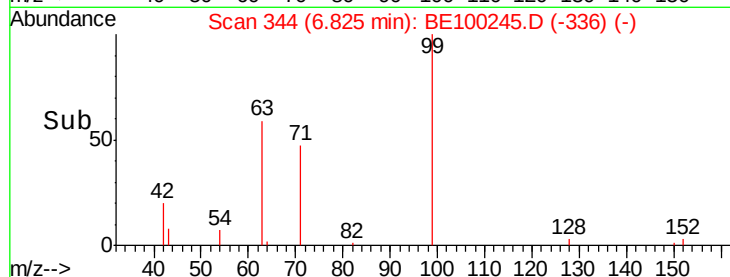
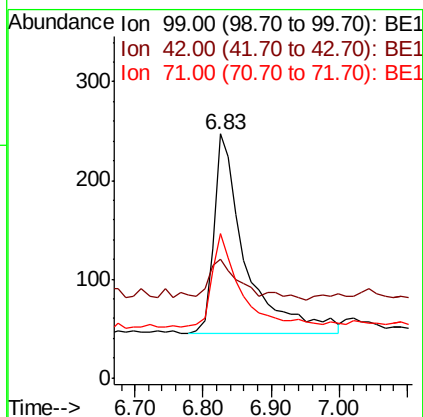
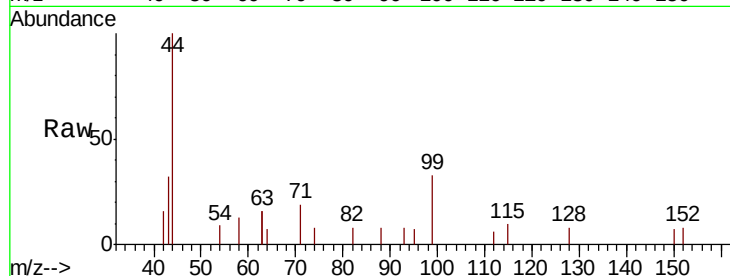
ClientSampleId :

PST-029-B217-061719

Tot Ion:	99	Resp:	654
Ion	Ratio	Lower	Upper
99	100		
42	20.6	11.2	16.8#
71	43.3	37.2	55.8

Manual Integrations
APPROVED

mohammad
7/1/2019 3:07:17 PM



#7

Naphthalene-d8

Concen: 0.400 ng

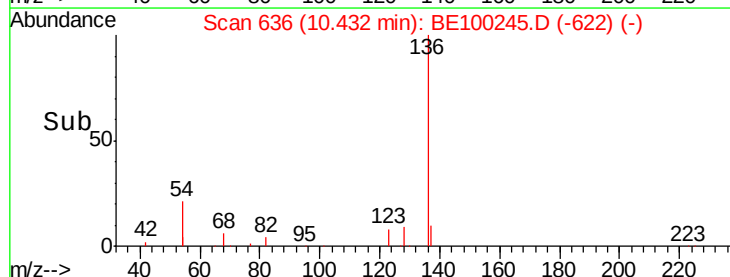
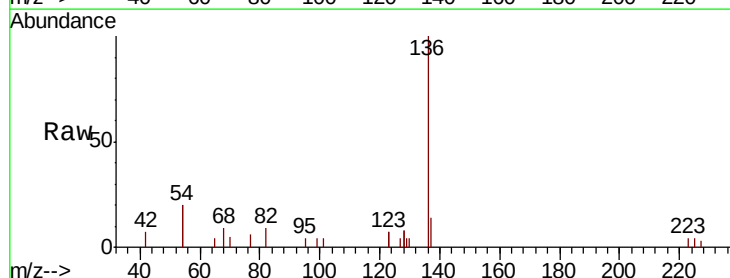
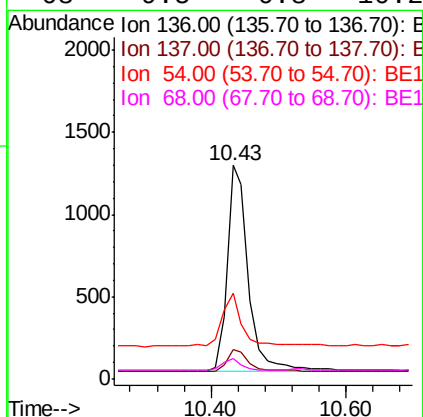
RT: 10.43 min Scan# 636

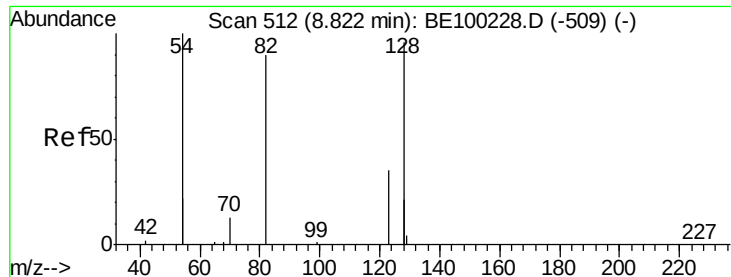
Delta R.T. -0.01 min

Lab File: BE100245.D

Acq: 28 Jun 2019 21:27

Tgt Ion:	136	Resp:	2782
Ion	Ratio	Lower	Upper
136	100		
137	13.6	11.8	17.8
54	39.9	27.7	41.5
68	9.5	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.245 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100245.D

Acq: 28 Jun 2019 21:27

Instrument :

BNA_E

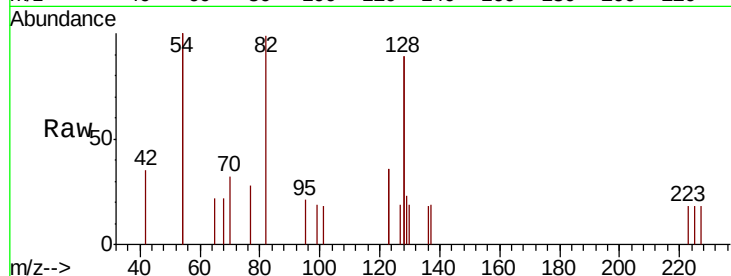
ClientSampleId :

PST-029-B217-061719

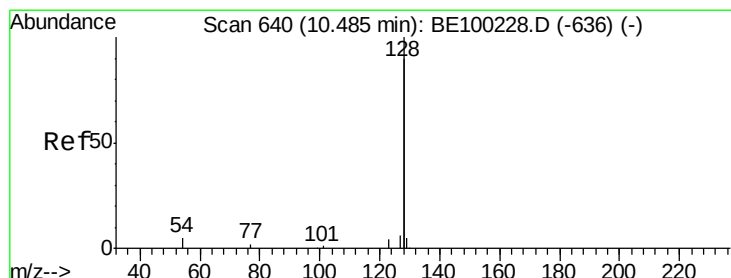
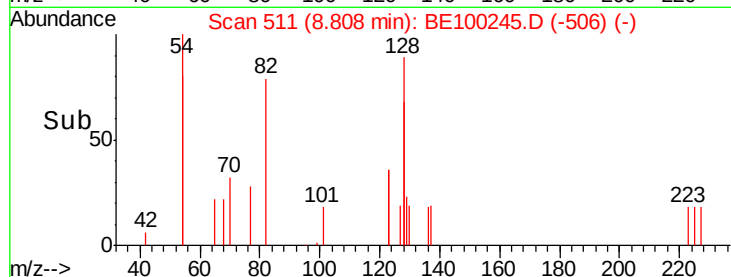
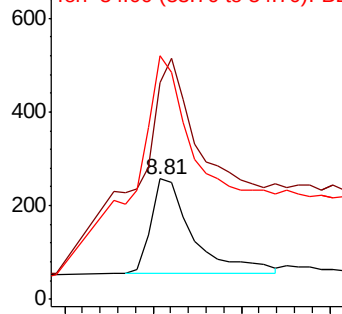
Tot Ion:	82	Resp:	677
Ion	Ratio	Lower	Upper
82	100		
128	179.8	140.9	211.3
54	202.3	146.2	219.2

Manual Integrations
APPROVED

mohammad
7/1/2019 3:07:17 PM



Abundance Ion 82.00 (81.70 to 82.70): BE1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE1



#9

Naphthalene

Concen: 0.052 ng

RT: 10.48 min Scan# 640

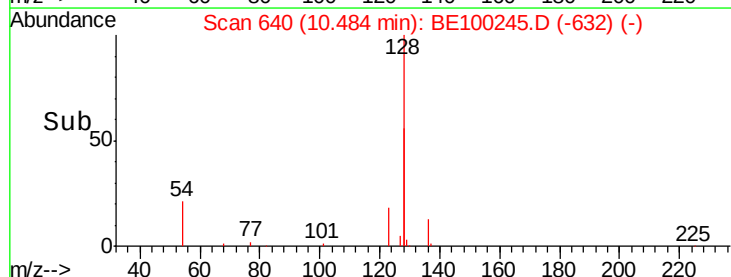
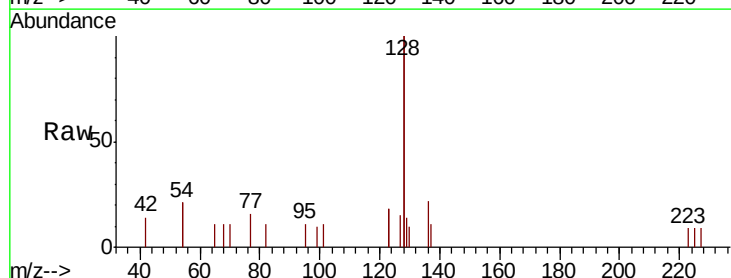
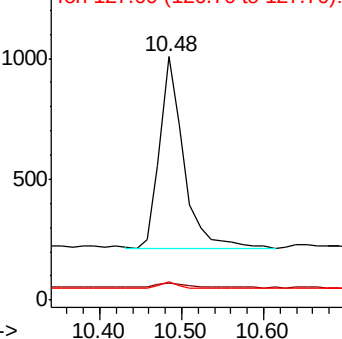
Delta R.T. -0.00 min

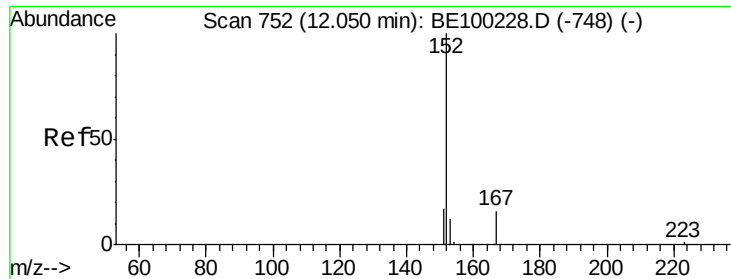
Lab File: BE100245.D

Acq: 28 Jun 2019 21:27

Tgt Ion:	128	Resp:	1604
Ion	Ratio	Lower	Upper
128	100		
129	6.8	3.0	4.6#
127	7.3	3.5	5.3#

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





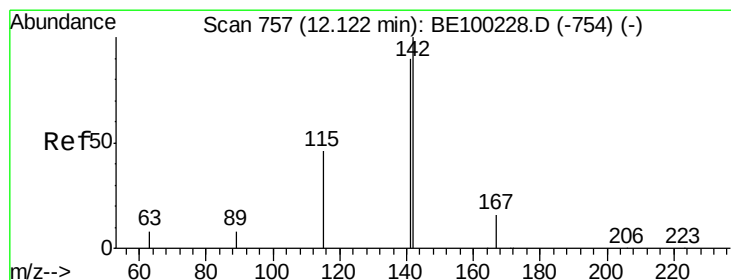
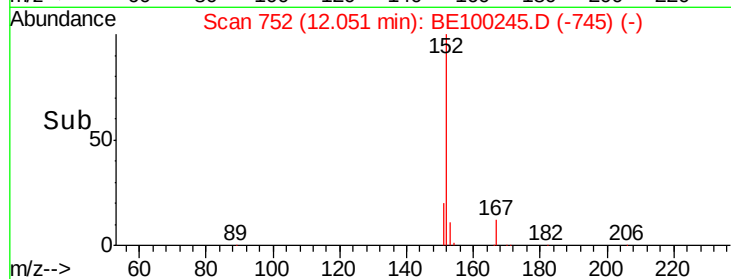
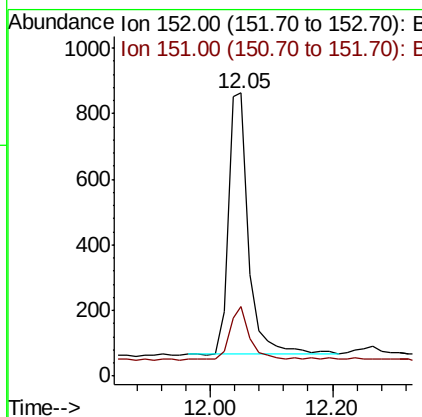
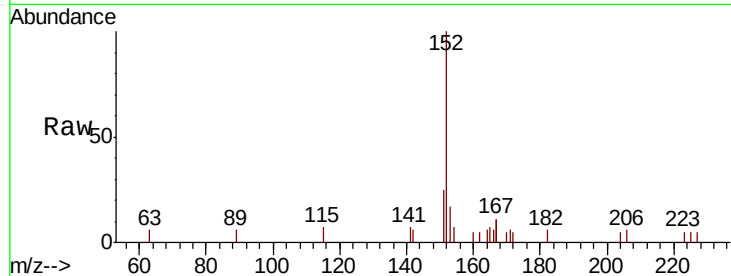
#11
2-Methylnaphthalene-d10
Concen: 0.359 ng
RT: 12.05 min Scan# 752
Delta R.T. 0.00 min
Lab File: BE100245.D
Acq: 28 Jun 2019 21:27

Instrument :
BNA_E
ClientSampleId :
PST-029-B217-061719

Tot Ion:152 Resp: 1879
Ion Ratio Lower Upper
152 100
151 19.5 15.1 22.7

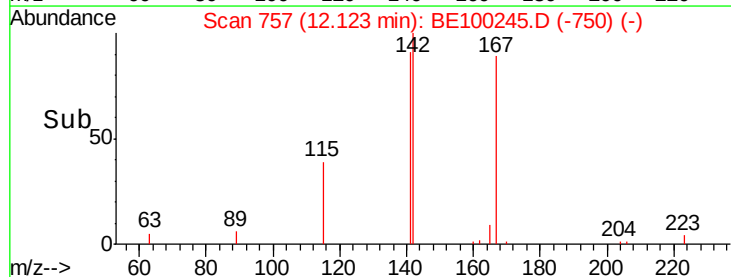
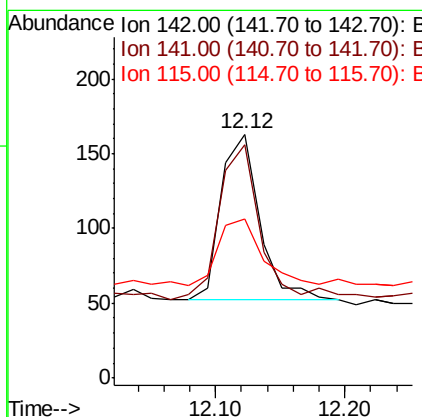
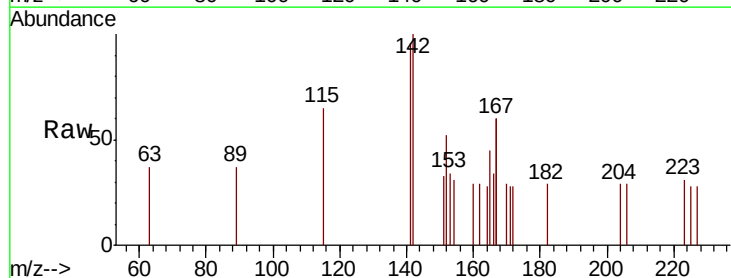
Manual Integrations
APPROVED

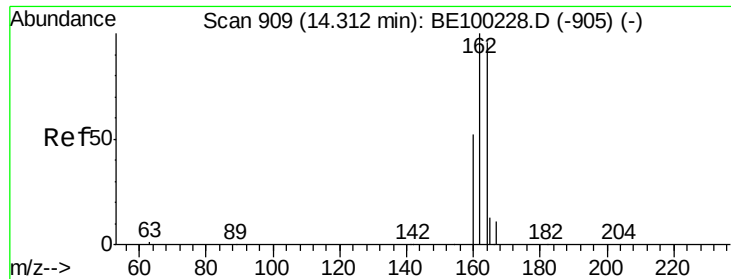
mohammad
7/1/2019 3:07:17 PM



#12
2-Methylnaphthalene
Concen: 0.043 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100245.D
Acq: 28 Jun 2019 21:27

Tgt Ion:142 Resp: 230
Ion Ratio Lower Upper
142 100
141 95.7 72.4 108.6
115 65.0 40.4 60.6#





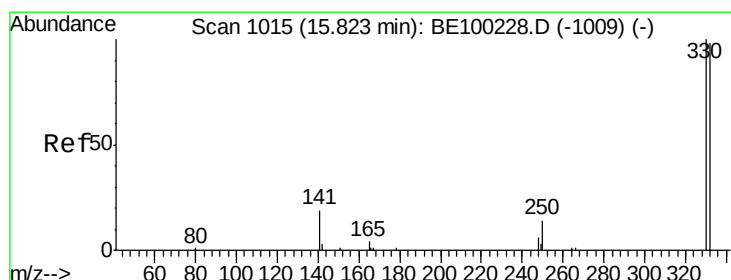
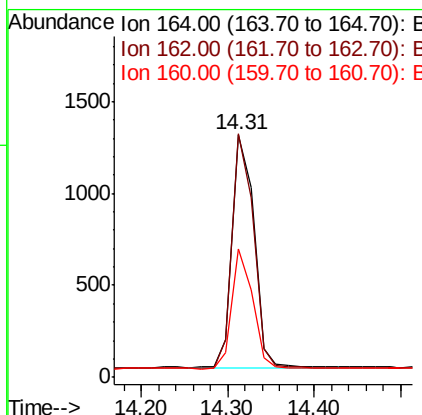
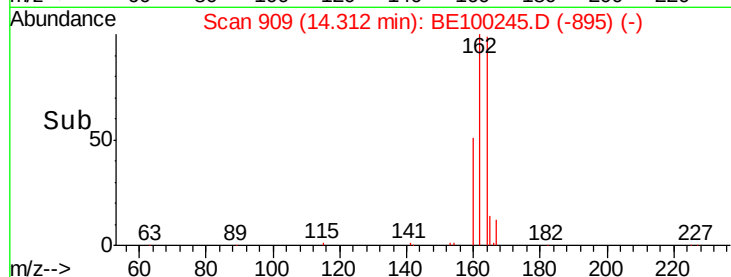
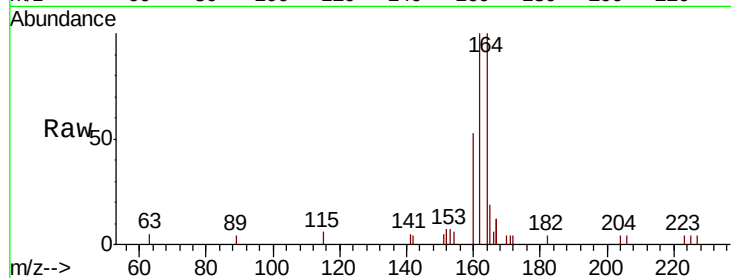
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100245.D
Acq: 28 Jun 2019 21:27

Instrument :
BNA_E
ClientSampleId :
PST-029-B217-061719

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.4	83.4	125.0
160	52.8	45.0	67.6

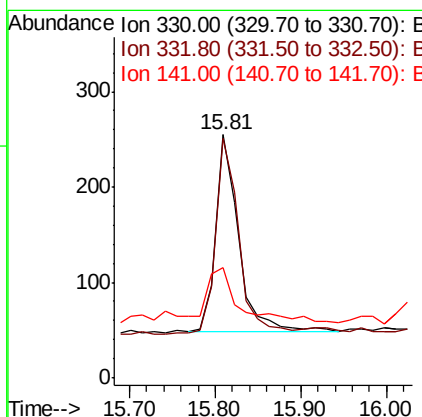
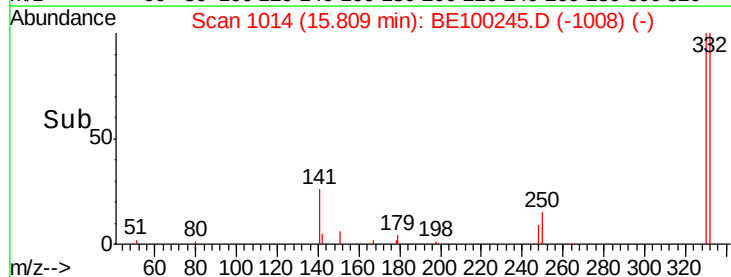
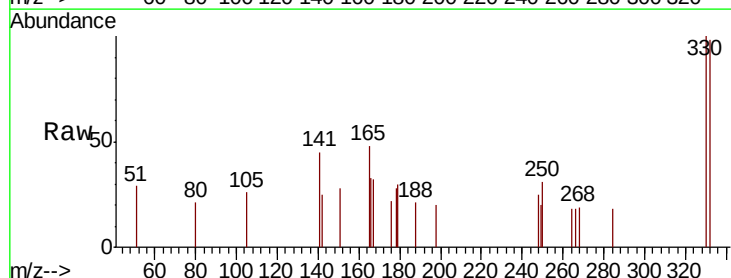
Manual Integrations
APPROVED

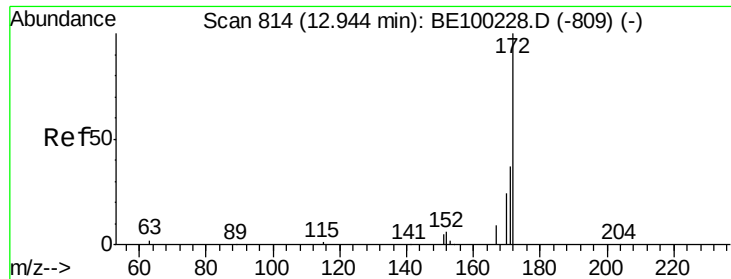
mohammad
7/1/2019 3:07:17 PM



#14
2,4,6-Tribromophenol
Concen: 0.251 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100245.D
Acq: 28 Jun 2019 21:27

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.4
141	37.2	22.0	33.0#





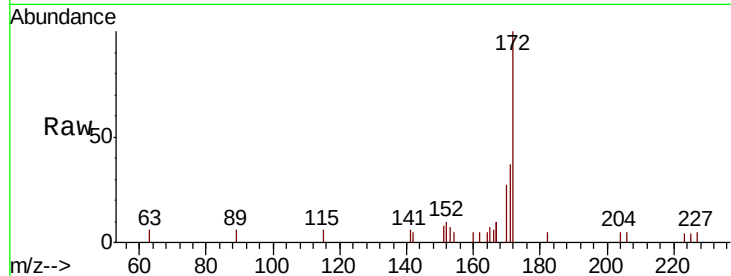
#15
2-Fluorobiphenyl
Concen: 0.235 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100245.D
Acq: 28 Jun 2019 21:27

Instrument :
BNA_E
ClientSampleId :
PST-029-B217-061719

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	31.9	47.9
170	27.1	22.2	33.2

Manual Integrations
APPROVED

mohammad
7/1/2019 3:07:17 PM

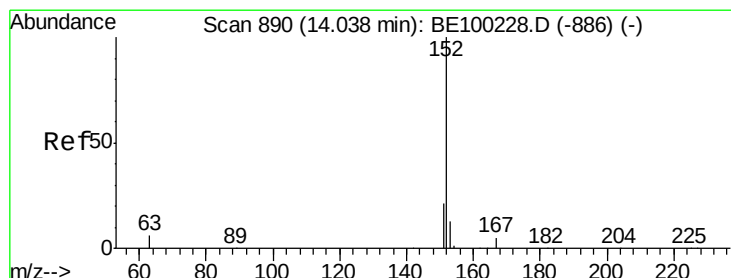
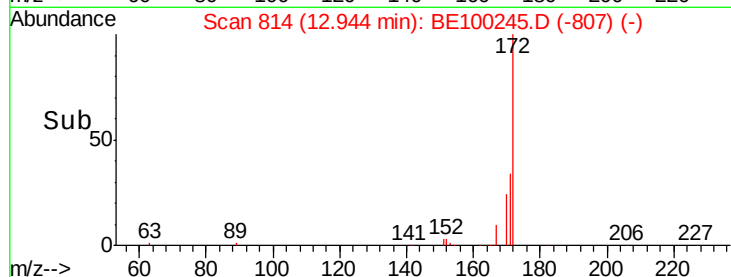
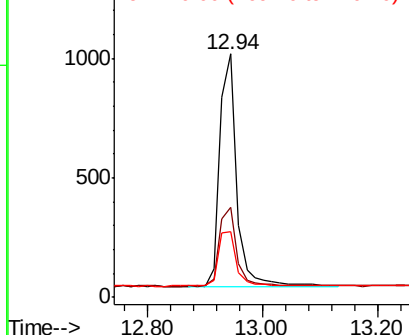


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.276 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100245.D
Acq: 28 Jun 2019 21:27

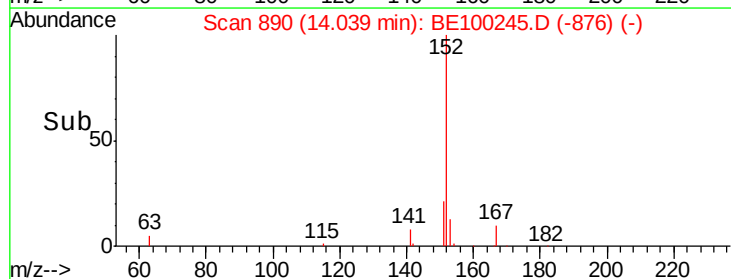
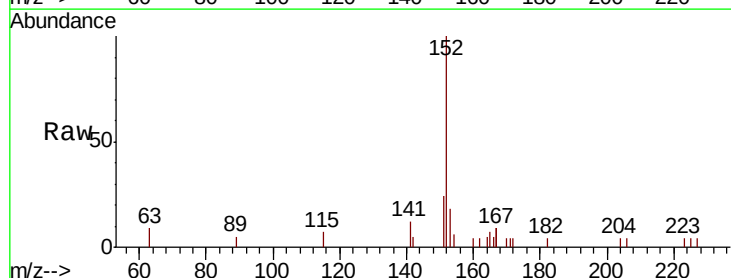
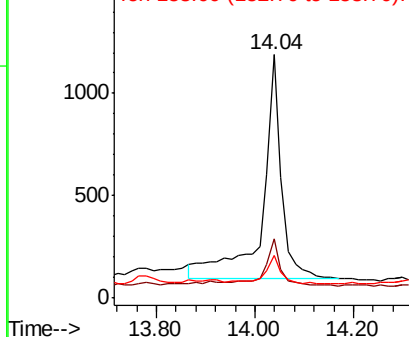
Tgt Ion	Ratio	Lower	Upper
152	100		
151	16.5	16.6	25.0#
153	10.5	10.5	15.7#

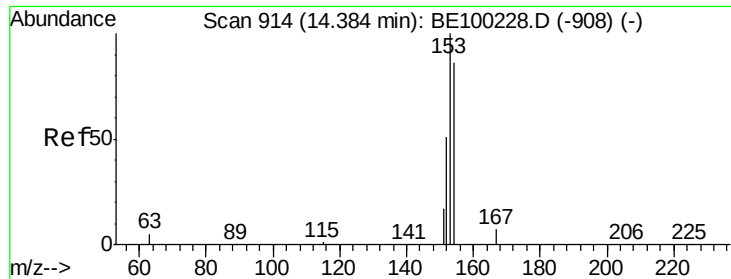
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





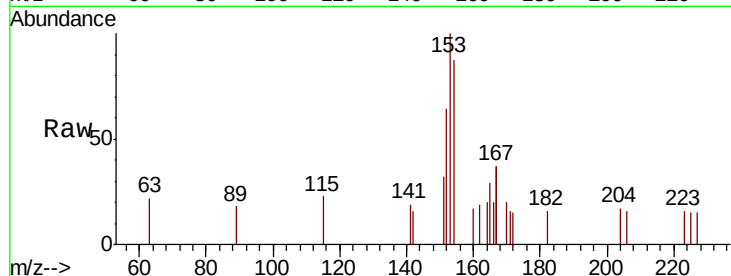
#17
Acenaphthene
Concen: 0.066 ng
RT: 14.38 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100245.D
Acq: 28 Jun 2019 21:27

Instrument :
BNA_E
ClientSampleId :
PST-029-B217-061719

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.6	93.4	140.2
152	57.1	49.4	74.2

Manual Integrations
APPROVED

mohammad
7/1/2019 3:07:17 PM

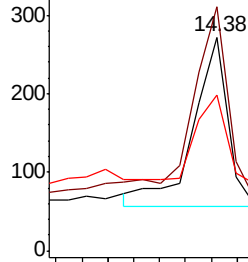


Abundance

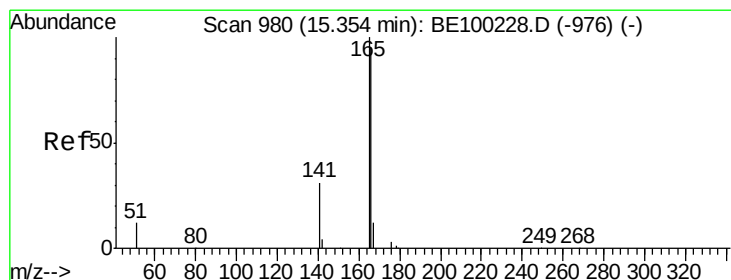
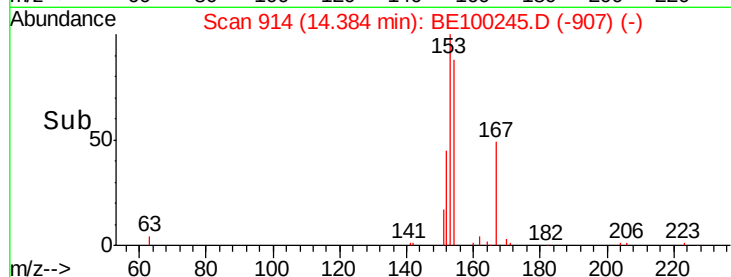
Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

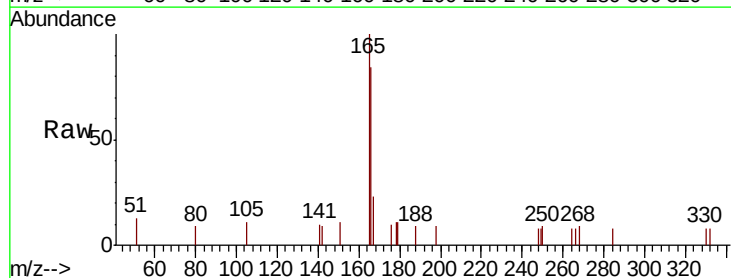


Time-->



#18
Fluorene
Concen: 0.096 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100245.D
Acq: 28 Jun 2019 21:27

Tgt Ion	Ratio	Lower	Upper
166	100		
165	126.6	81.1	121.7#
167	16.8	10.7	16.1#

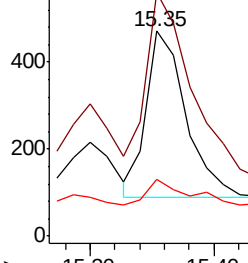


Abundance

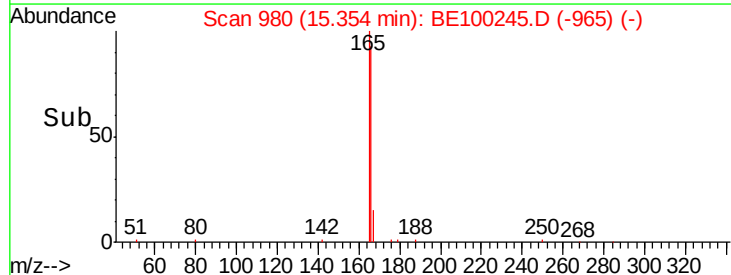
Ion 166.00 (165.70 to 166.70): E

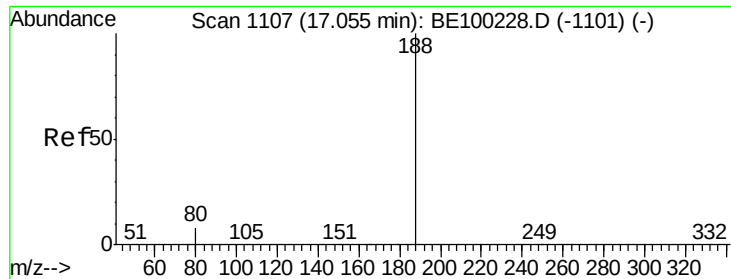
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->





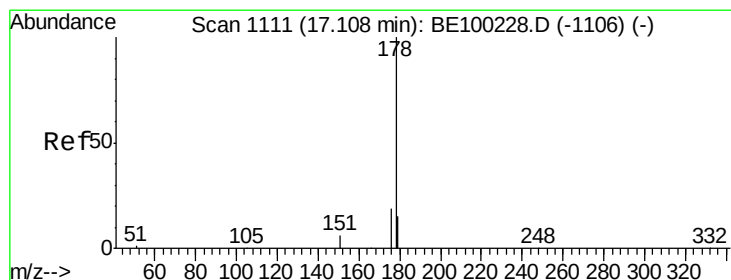
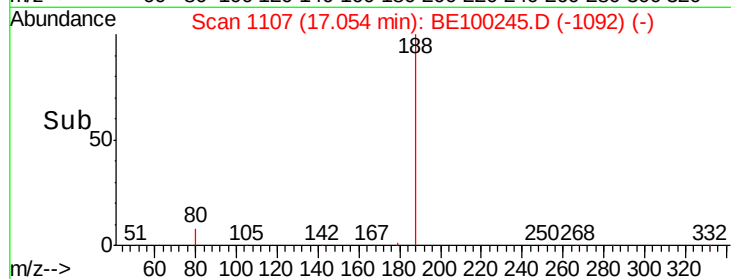
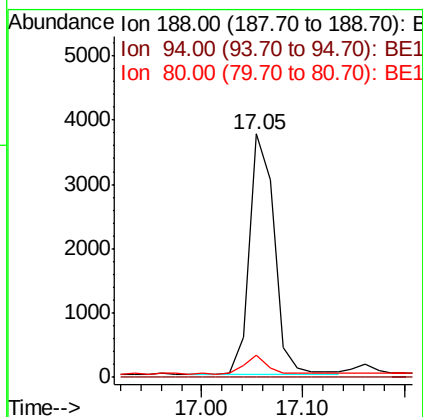
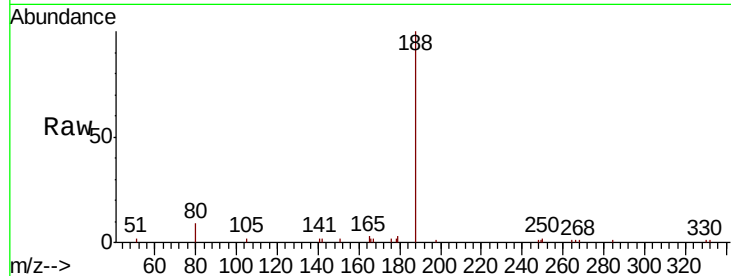
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100245.D
Acq: 28 Jun 2019 21:27

Instrument :
BNA_E
ClientSampleId :
PST-029-B217-061719

Tot Ion	Ratio	Resp	Lower	Upper
188	100	6377		
94	0.0	0.0	0.0	0.0
80	9.1	7.6	11.4	

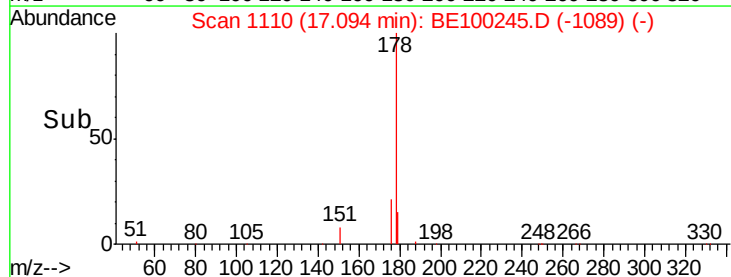
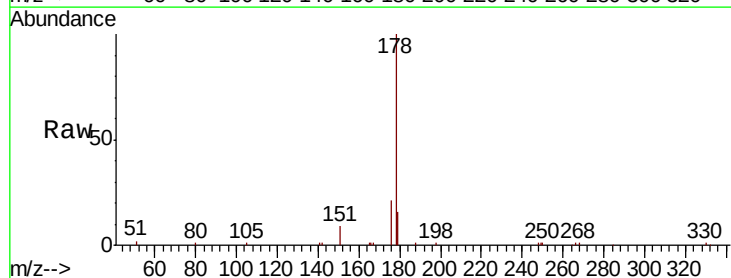
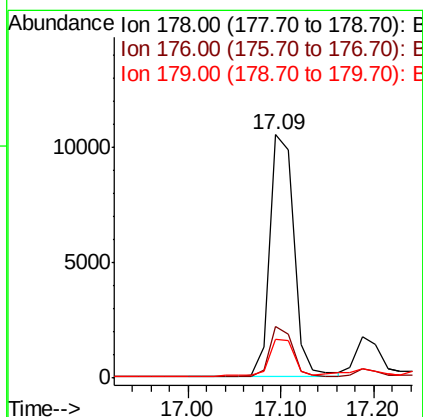
Manual Integrations
APPROVED

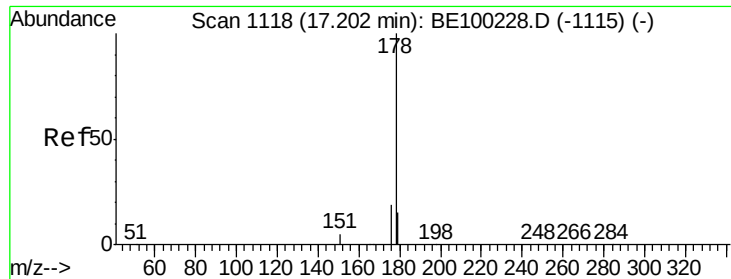
mohammad
7/1/2019 3:07:17 PM



#23
Phenanthrene
Concen: 1.226 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100245.D
Acq: 28 Jun 2019 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	18953		
176	19.7	15.9	23.9	
179	16.1	12.2	18.2	





#24

Anthracene

Concen: 0.218 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100245.D

Acq: 28 Jun 2019 21:27

Instrument :

BNA_E

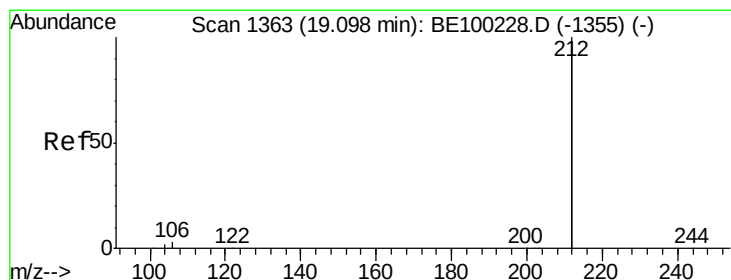
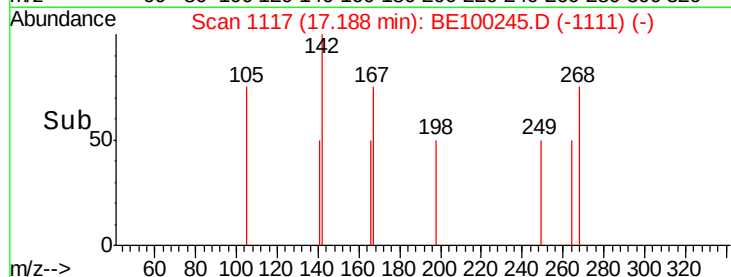
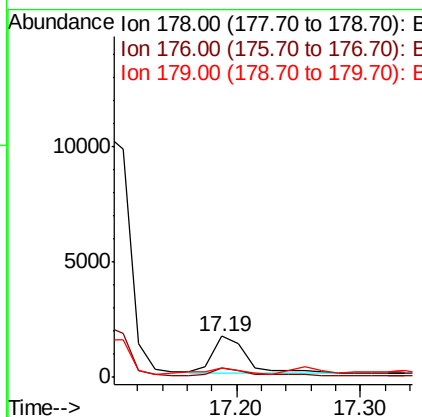
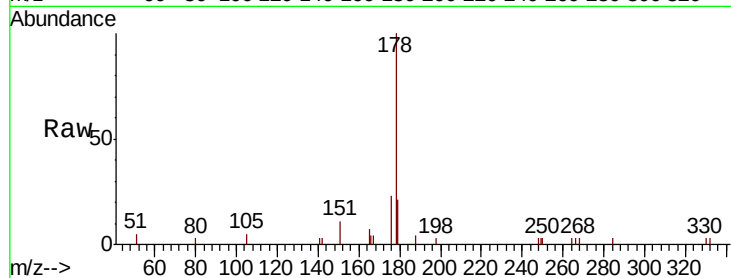
ClientSampleId :

PST-029-B217-061719

Tot Ion:	178	Resp:	3039
Ion Ratio	Lower	Upper	
178	100		
176	20.4	15.3	22.9
179	14.0	12.2	18.2

Manual Integrations
APPROVED

mohammad
7/1/2019 3:07:17 PM



#25

Fluoranthene-d10

Concen: 0.339 ng

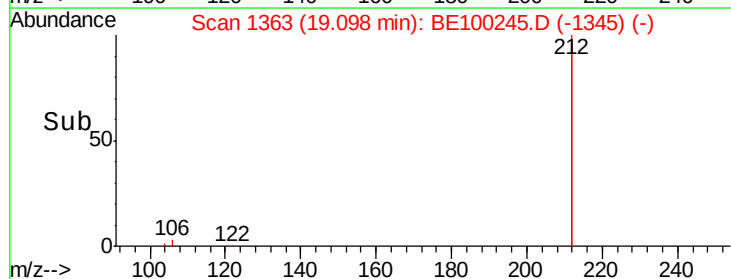
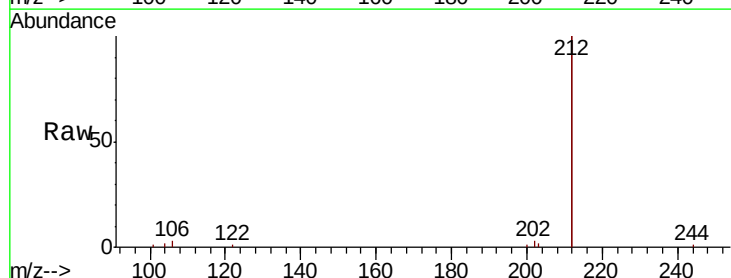
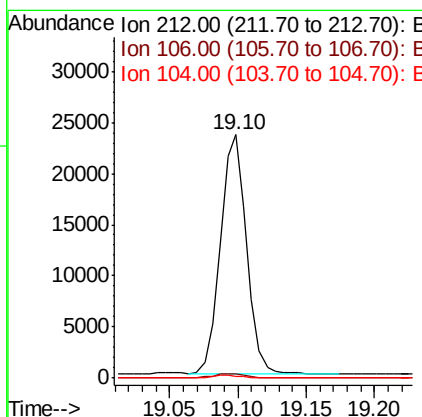
RT: 19.10 min Scan# 1363

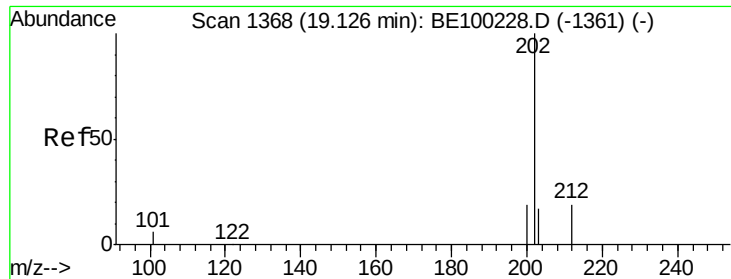
Delta R.T. 0.00 min

Lab File: BE100245.D

Acq: 28 Jun 2019 21:27

Tgt Ion:	212	Resp:	31391
Ion Ratio	Lower	Upper	
212	100		
106	1.6	1.3	1.9
104	0.9	0.8	1.2





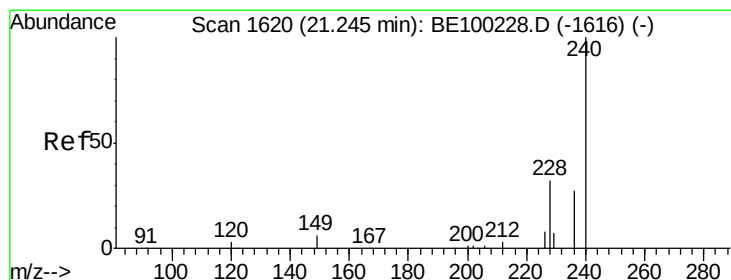
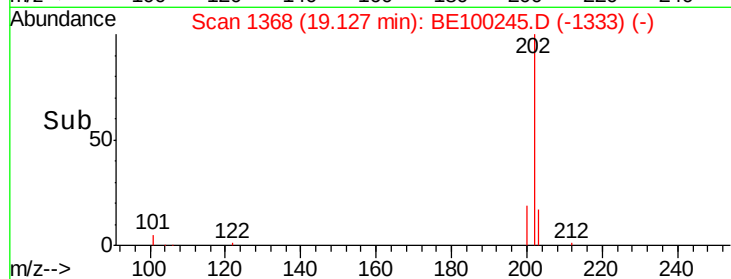
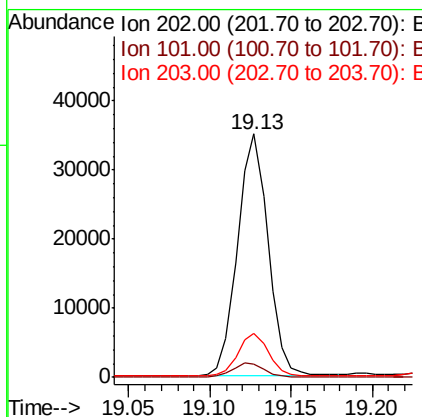
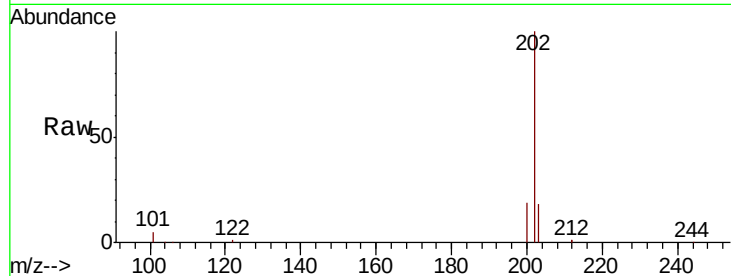
#26
Fluoranthene
Concen: 1.851 ng
RT: 19.13 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE100245.D
Acq: 28 Jun 2019 21:27

Instrument :
BNA_E
ClientSampleId :
PST-029-B217-061719

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.8	4.6	7.0
203	17.7	13.7	20.5

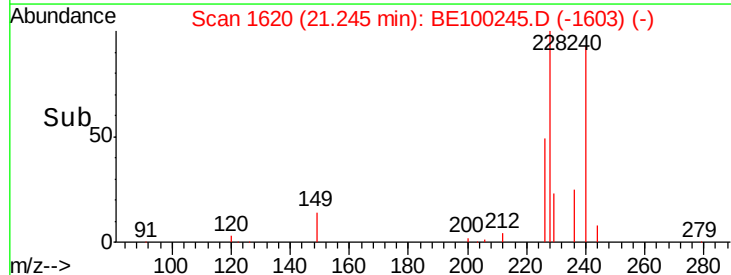
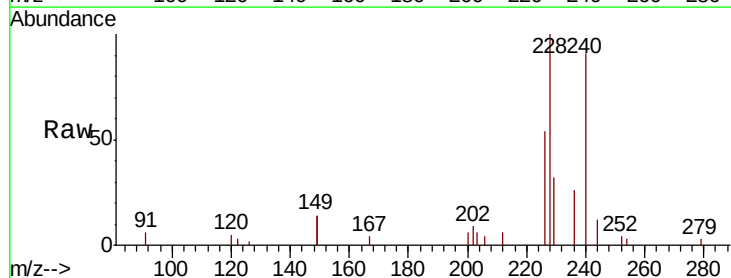
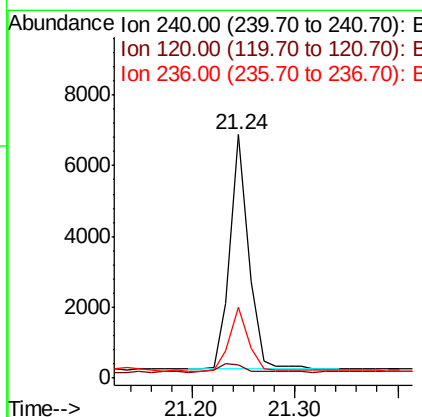
Manual Integrations
APPROVED

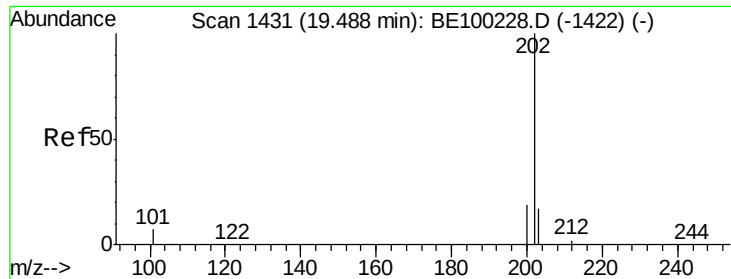
mohammad
7/1/2019 3:07:17 PM



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.24 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100245.D
Acq: 28 Jun 2019 21:27

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.4	3.3	4.9#
236	29.0	22.6	34.0





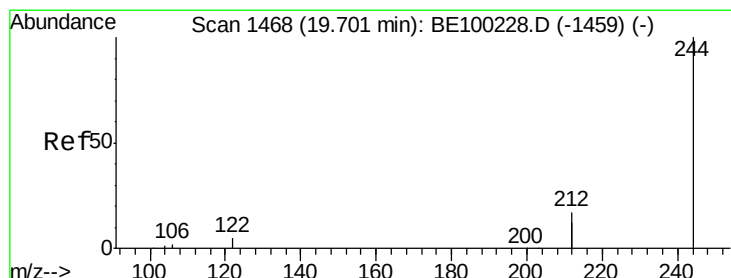
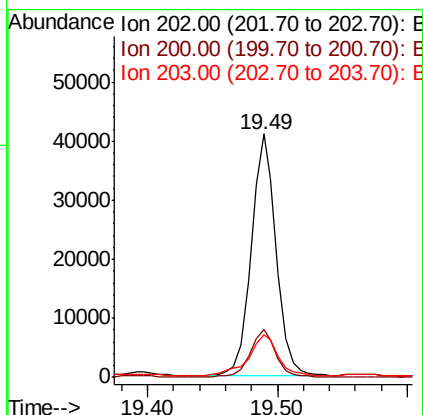
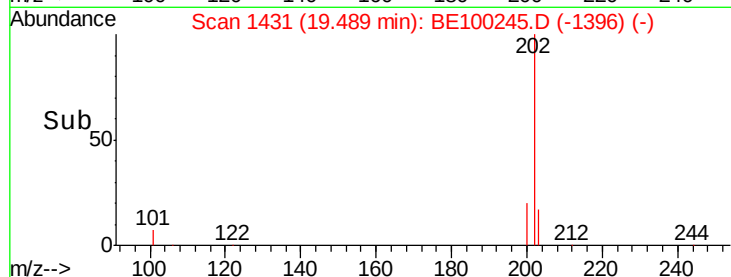
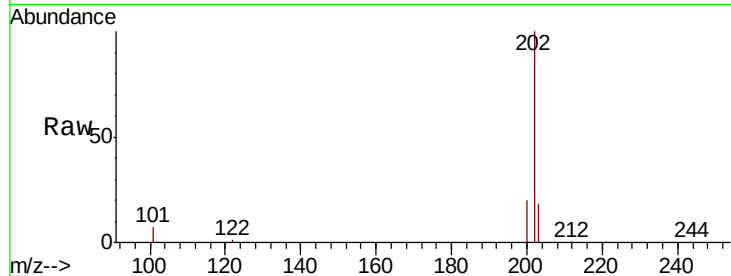
#28
Pvrene
Concen: 2.458 ng
RT: 19.49 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE100245.D
Acq: 28 Jun 2019 21:27

Instrument :
BNA_E
ClientSampleId :
PST-029-B217-061719

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.6	23.4
203	20.6	14.0	21.0

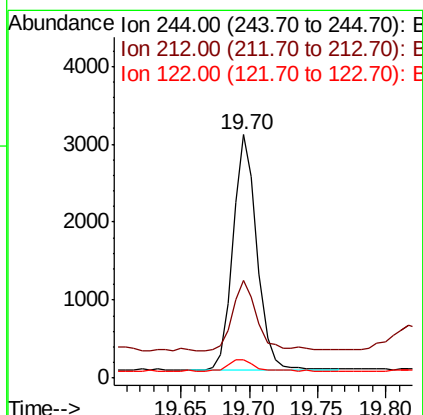
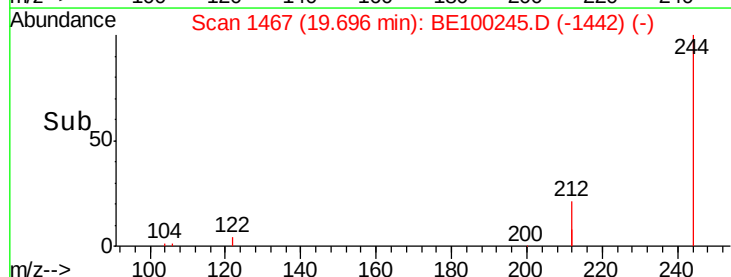
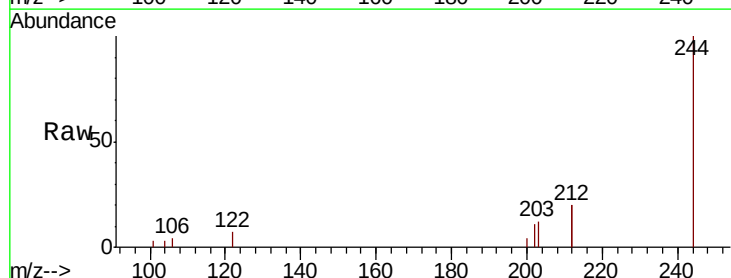
Manual Integrations
APPROVED

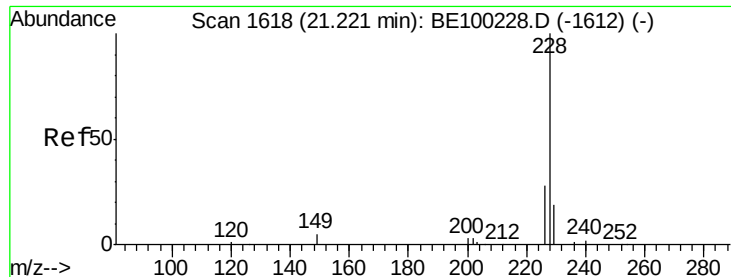
mohammad
7/1/2019 3:07:17 PM



#29
Terphenyl-d14
Concen: 0.213 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.00 min
Lab File: BE100245.D
Acq: 28 Jun 2019 21:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	40.1	27.3	40.9
122	7.4	4.7	7.1#





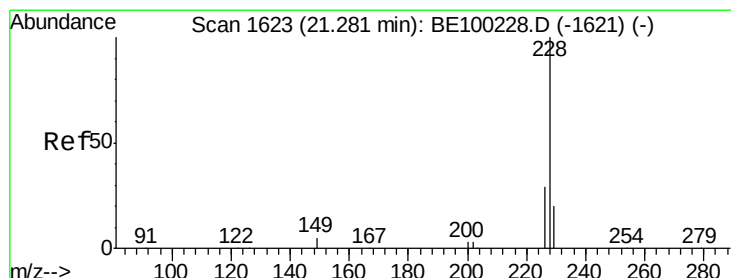
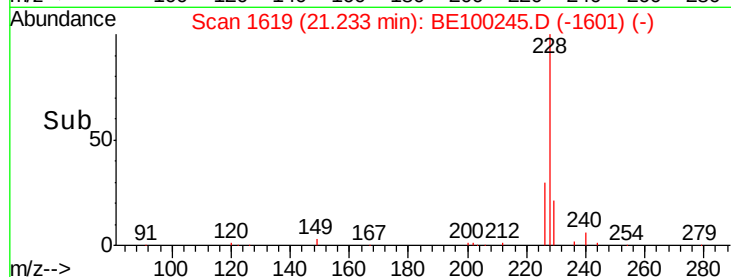
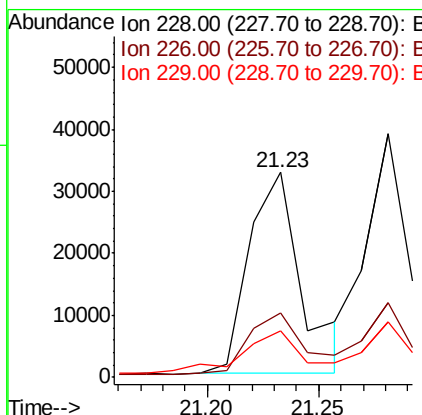
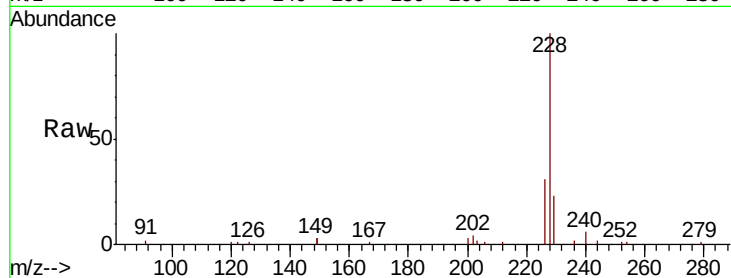
#30
Benzo(a)anthracene
Concen: 1.942 ng m
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100245.D
Acq: 28 Jun 2019 21:27

Instrument :
BNA_E
ClientSampleId :
PST-029-B217-061719

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.2	34.8
229	22.6	15.7	23.5

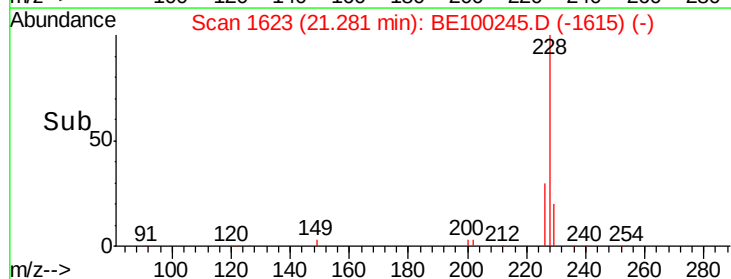
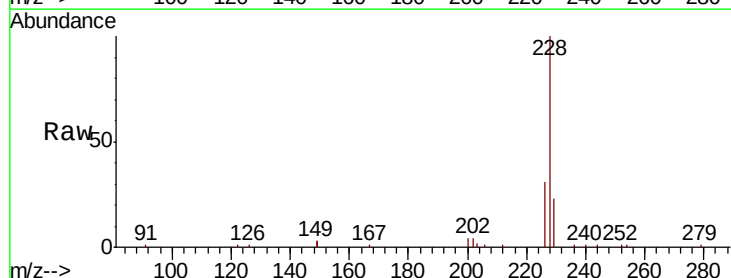
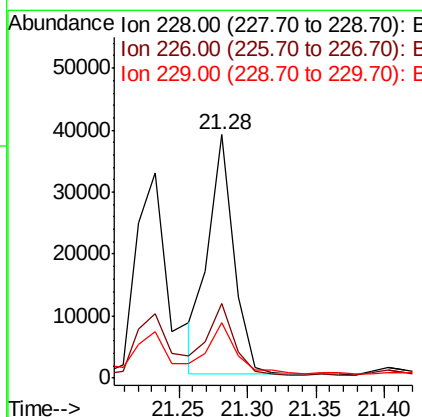
Manual Integrations
APPROVED

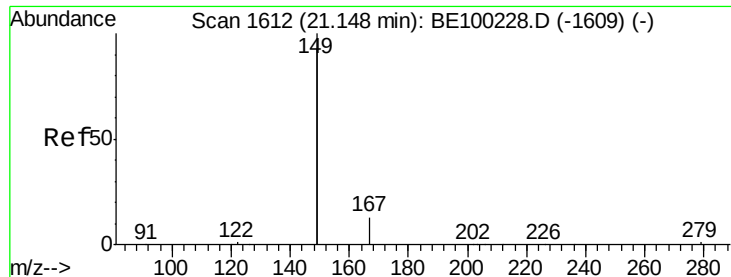
mohammad
7/1/2019 3:07:17 PM



#31
Chrysene
Concen: 1.823 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100245.D
Acq: 28 Jun 2019 21:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.9	35.9
229	22.6	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.106 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100245.D

Acq: 28 Jun 2019 21:27

Instrument :

BNA_E

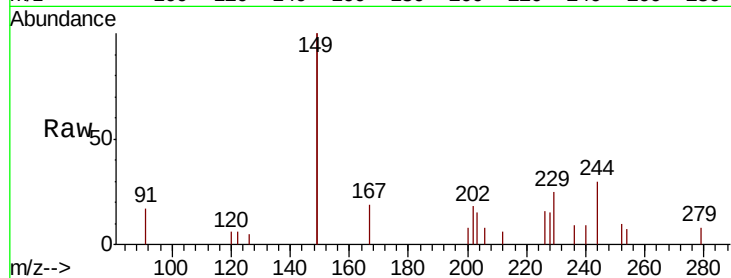
ClientSampleId :

PST-029-B217-061719

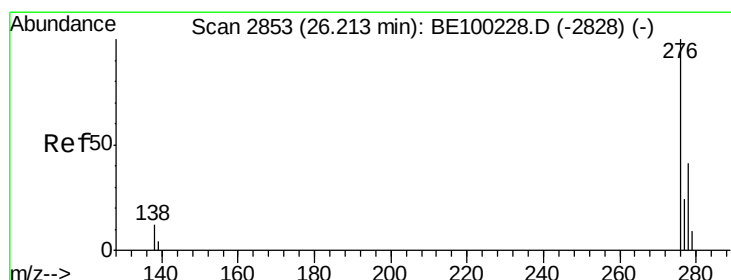
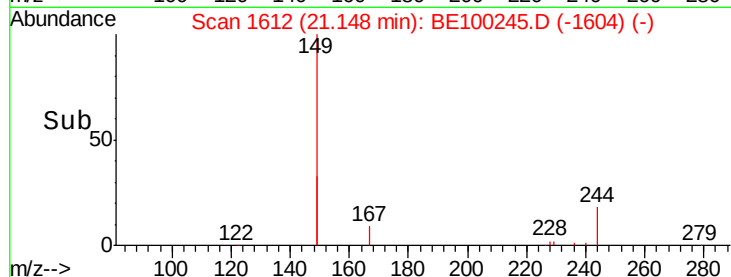
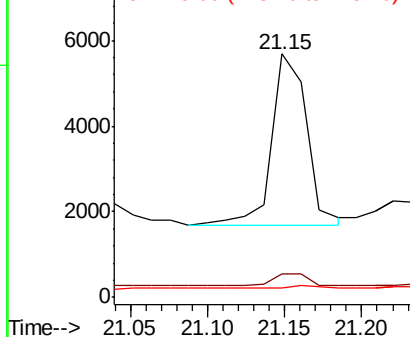
Tot Ion:	149	Resp:	6342
Ion Ratio	Lower	Upper	
149	100		
167	7.4	5.8	8.8
279	1.6	1.1	1.7

Manual Integrations
APPROVED

mohammad
7/1/2019 3:07:17 PM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 1.142 ng

RT: 26.22 min Scan# 2855

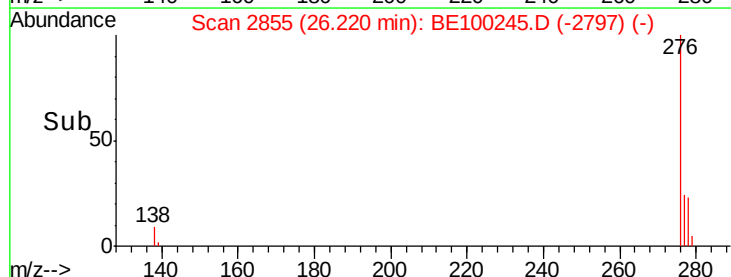
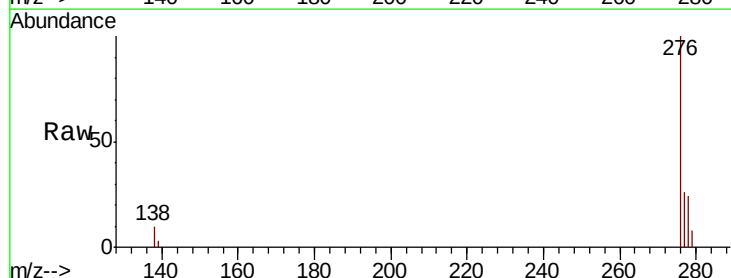
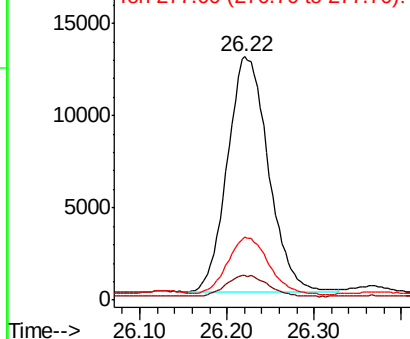
Delta R.T. 0.01 min

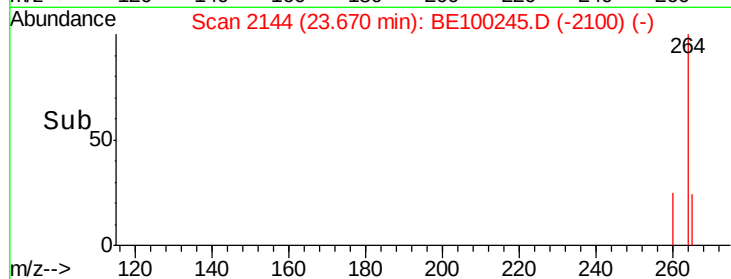
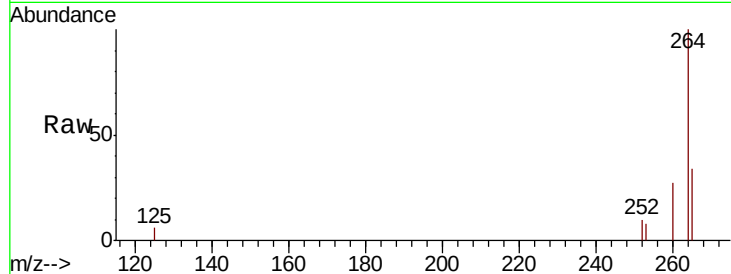
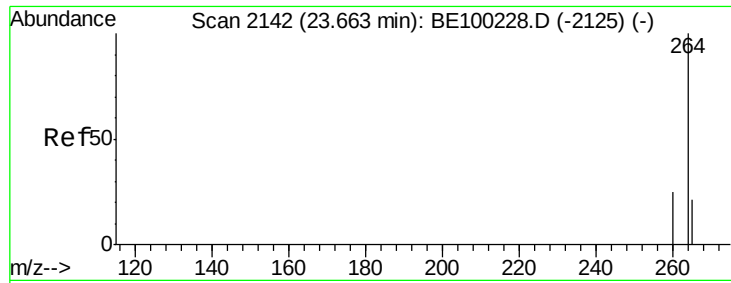
Lab File: BE100245.D

Acq: 28 Jun 2019 21:27

Tgt Ion:	276	Resp:	41657
Ion Ratio	Lower	Upper	
276	100		
138	9.3	9.4	14.0#
277	24.2	19.2	28.8

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





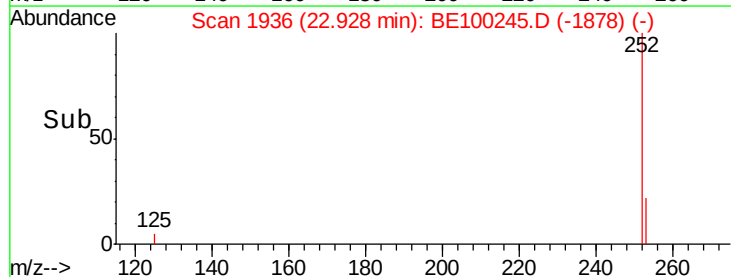
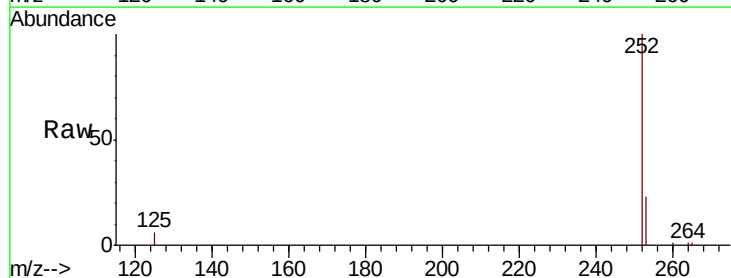
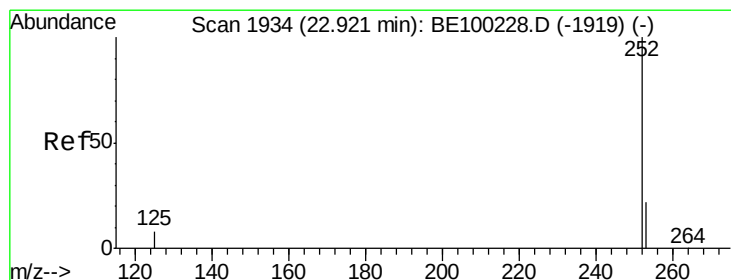
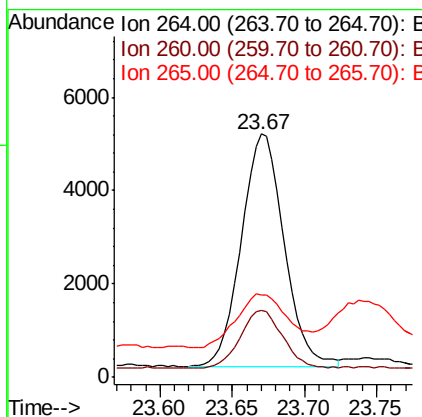
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.67 min Scan# 2144
 Delta R.T. 0.01 min
 Lab File: BE100245.D
 Acq: 28 Jun 2019 21:27

Instrument :
 BNA_E
 ClientSampleId :
 PST-029-B217-061719

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.4	20.8	31.2
265	33.9	21.8	32.6

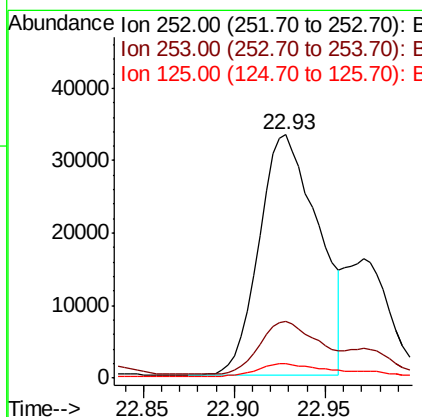
Manual Integrations
 APPROVED

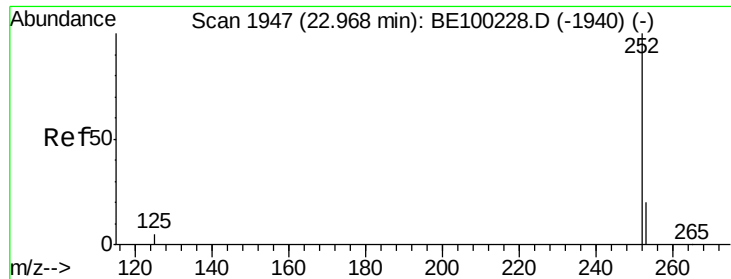
mohammad
 7/1/2019 3:07:17 PM



#35
 Benzo(b)fluoranthene
 Concen: 2.722 ng
 RT: 22.93 min Scan# 1936
 Delta R.T. 0.01 min
 Lab File: BE100245.D
 Acq: 28 Jun 2019 21:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.2	28.8
125	5.7	7.4	11.0





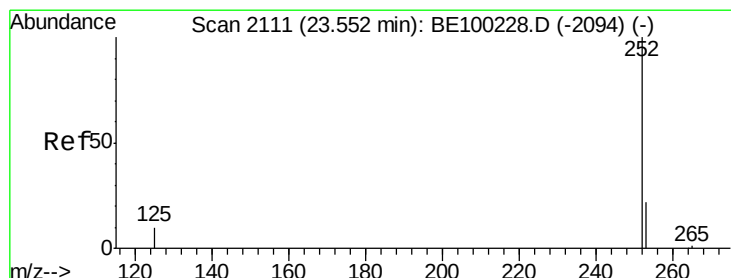
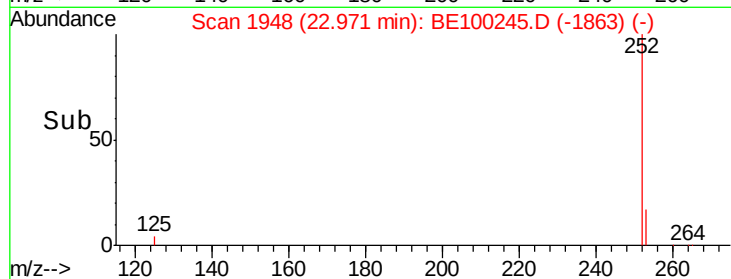
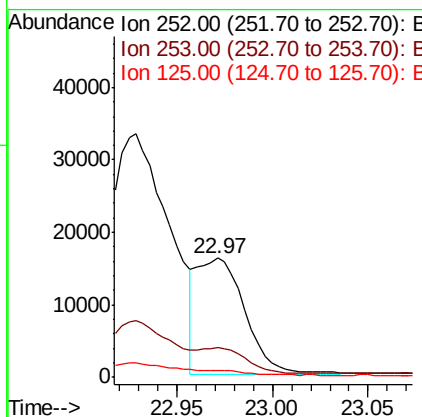
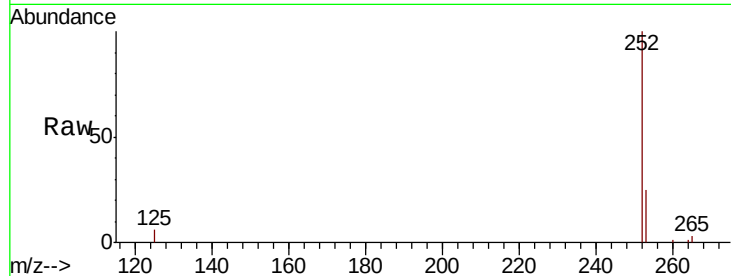
#36
Benzo(k)fluoranthene
Concen: 0.902 ng m
RT: 22.97 min Scan# 1948
Delta R.T. 0.00 min
Lab File: BE100245.D
Acq: 28 Jun 2019 21:27

Instrument :
BNA_E
ClientSampleId :
PST-029-B217-061719

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	6.1	5.0	7.4

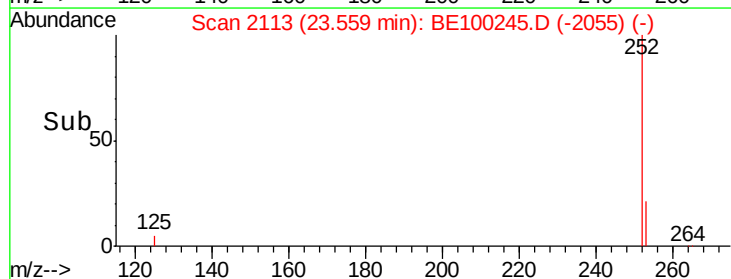
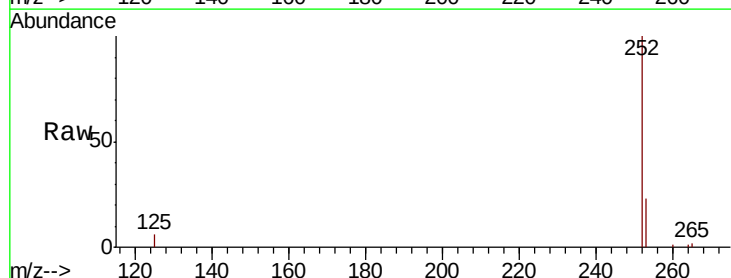
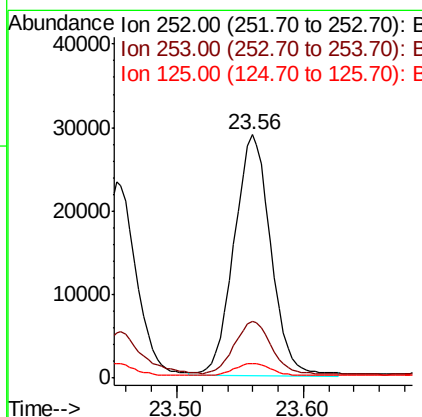
Manual Integrations
APPROVED

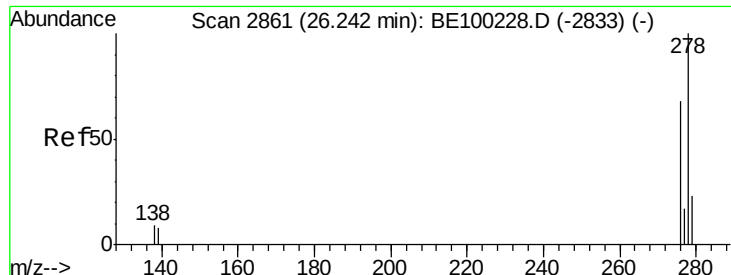
mohammad
7/1/2019 3:07:17 PM



#37
Benzo(a)pyrene
Concen: 2.109 ng m
RT: 23.56 min Scan# 2113
Delta R.T. 0.01 min
Lab File: BE100245.D
Acq: 28 Jun 2019 21:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.6	29.4
125	6.1	9.0	13.6





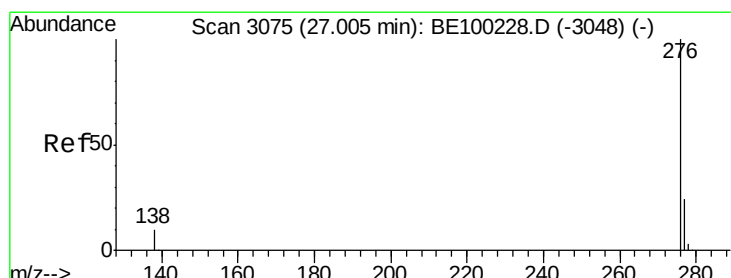
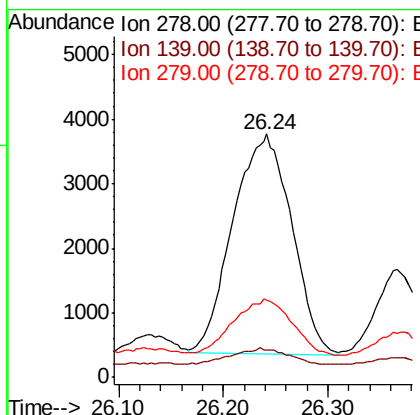
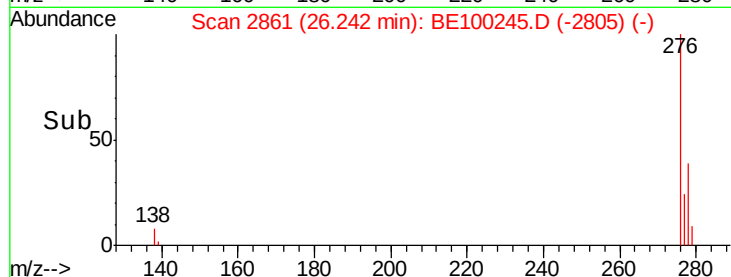
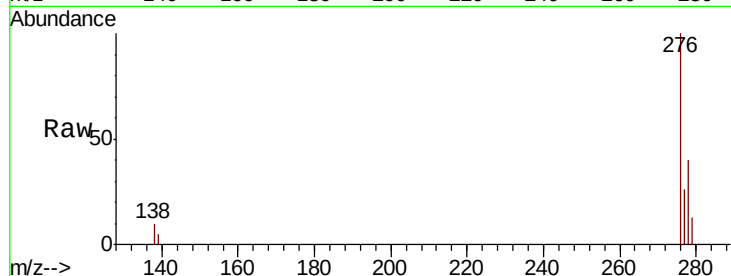
#38
Dibenzo(a,h)anthracene
Concen: 0.463 ng
RT: 26.24 min Scan# 2861
Delta R.T. -0.00 min
Lab File: BE100245.D
Acq: 28 Jun 2019 21:27

Instrument :
BNA_E
ClientSampleId :
PST-029-B217-061719

Tot Ion	Ratio	Lower	Upper
278	100		
139	11.4	8.2	12.2
279	31.6	20.3	30.5#

Manual Integrations
APPROVED

mohammad
7/1/2019 3:07:17 PM



#39
Benzo(g,h,i)perylene
Concen: 1.453 ng
RT: 27.02 min Scan# 3079
Delta R.T. 0.01 min
Lab File: BE100245.D
Acq: 28 Jun 2019 21:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	20.2	30.2
138	10.1	9.0	13.6

