

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
 Data File : BE100243.D
 Acq On : 28 Jun 2019 20:15
 Operator : JU/SJ
 Sample : K3445-09
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-007-SW049-061819

Manual Integrations
 APPROVED

mohammad
 7/1/2019 3:07:04 PM

Quant Time: Jun 29 00:42:08 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	808	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	2839	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2229	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	6789	0.40	ng	0.00
27) Chrysene-d12	21.25	240	8910	0.40	ng	0.00
34) Perylene-d12	23.67	264	10944	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	666	0.32	ng	0.00
5) Phenol-d6	6.83	99	899	0.33	ng	-0.01
8) Nitrobenzene-d5	8.81	82	961	0.34	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	2019	0.38	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	587	0.38	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	2897	0.33	ng	-0.01
25) Fluoranthene-d10	19.10	212	34586	0.35	ng	0.00
29) Terphenyl-d14	19.70	244	7029	0.38	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.48	128	2398	0.077	ng	# 94
12) 2-Methylnaphthalene	12.12	142	310	0.056	ng	# 89
16) Acenaphthylene	14.04	152	6932	0.648	ng	96
17) Acenaphthene	14.38	154	582	0.096	ng	# 89
18) Fluorene	15.35	166	1091	0.122	ng	# 72
23) Phenanthrene	17.11	178	21451	1.304	ng	98
24) Anthracene	17.19	178	5511	0.372	ng	99
26) Fluoranthene	19.13	202	89659	3.421	ng	99
28) Pyrene	19.49	202	91952	3.898	ng	96
30) Benzo(a)anthracene	21.23	228	70003m	2.389	ng	
31) Chrysene	21.28	228	57829	1.966	ng	95
32) Bis(2-ethylhexyl)phthalate	21.15	149	106559	2.516	ng	99
33) Indeno(1,2,3-cd)pyrene	26.22	276	45039	1.158	ng	# 97
35) Benzo(b)fluoranthene	22.93	252	82677	2.786	ng	98
36) Benzo(k)fluoranthene	22.97	252	30760m	0.929	ng	
37) Benzo(a)pyrene	23.56	252	63771m	2.144	ng	
38) Dibenzo(a,h)anthracene	26.24	278	11521m	0.371	ng	
39) Benzo(a,h,i)perylene	27.02	276	44029	1.380	ng	98

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

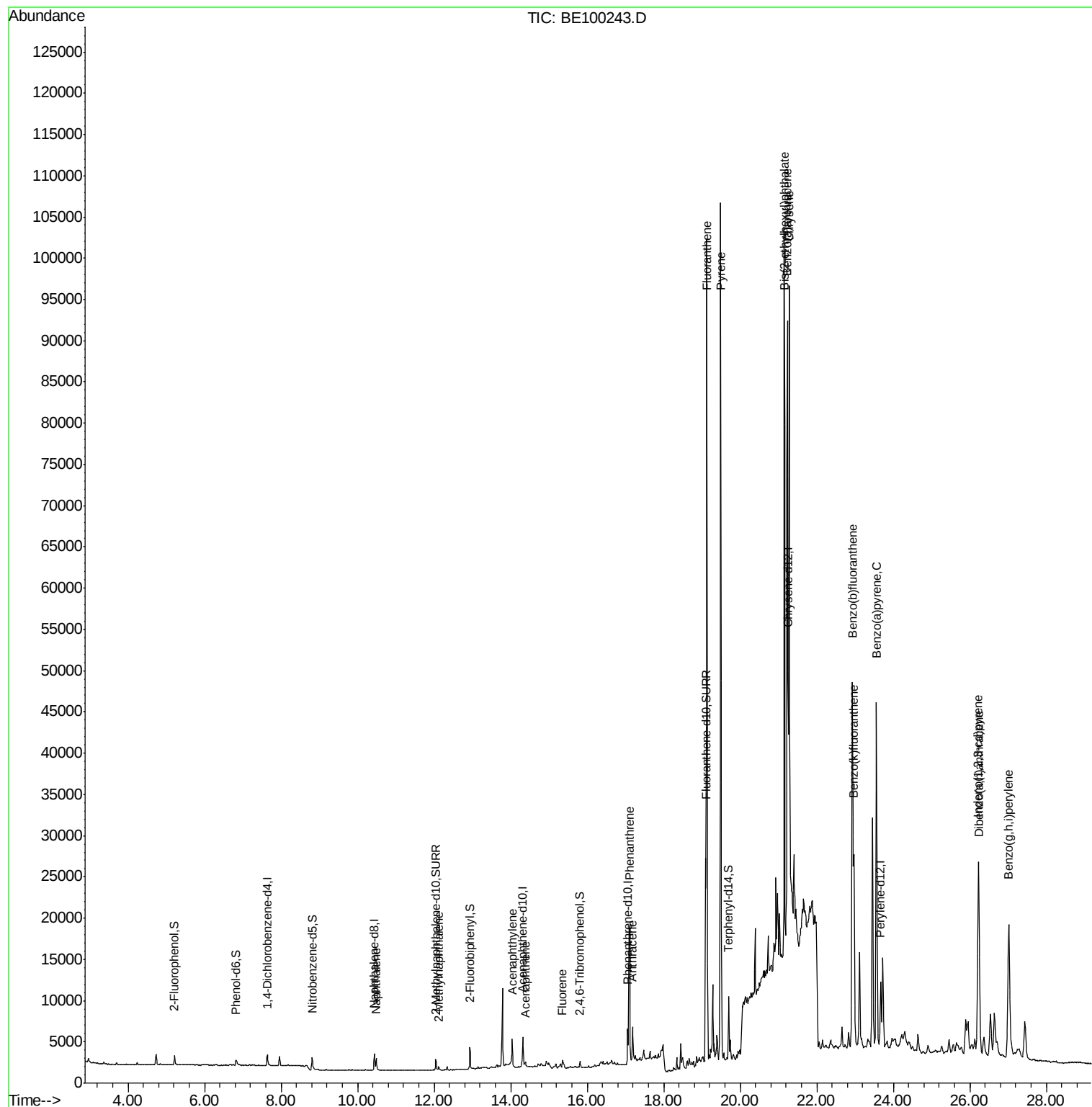
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
Data File : BE100243.D
Acq On : 28 Jun 2019 20:15
Operator : JU/SJ
Sample : K3445-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

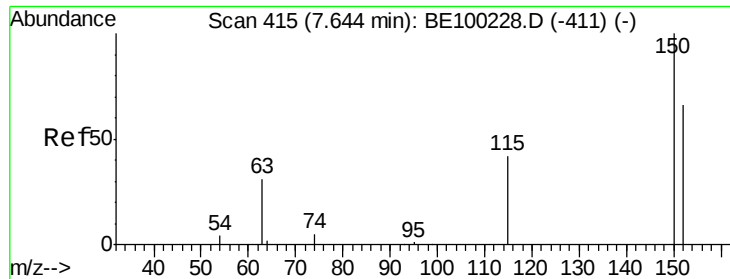
Instrument :
BNA_E
ClientSampleId :
PST-007-SW049-061819

Manual Integrations
APPROVED

mohammad
7/1/2019 3:07:04 PM

Quant Time: Jun 29 00:42:08 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

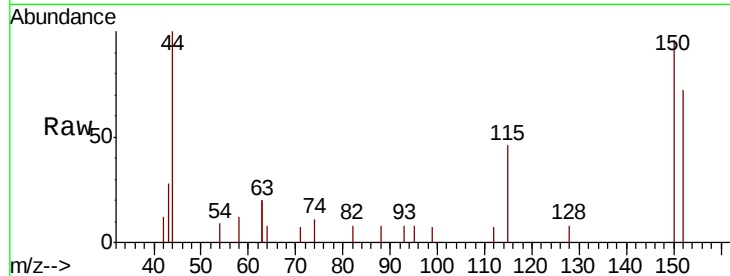
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
PST-007-SW049-061819

Tot Ion	Ratio	Lower	Upper
152	100		
150	134.1	114.5	171.7
115	64.9	57.1	85.7

Manual Integrations
APPROVED

mohammad
7/1/2019 3:07:04 PM

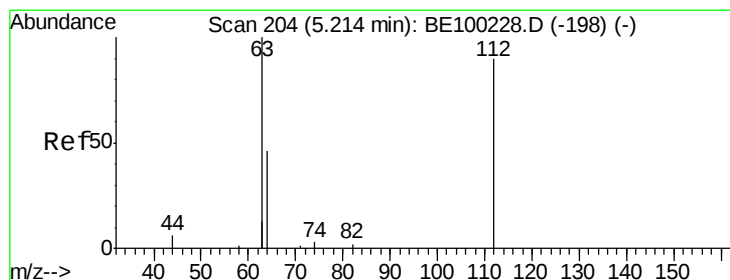
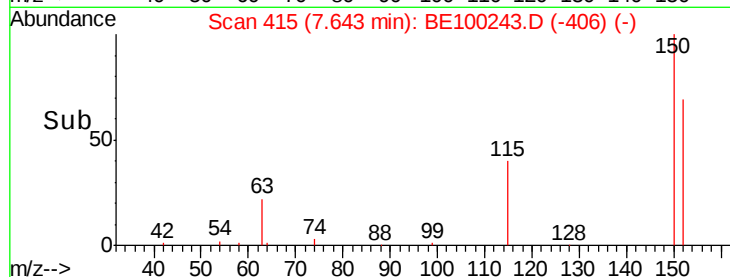
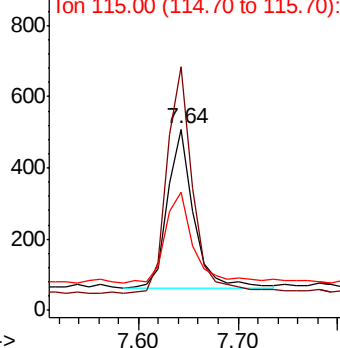


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

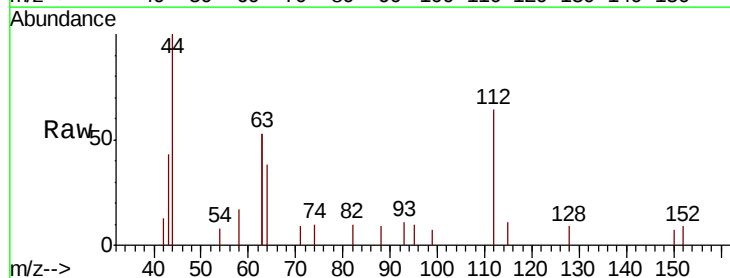
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.323 ng
RT: 5.21 min Scan# 204
Delta R.T. -0.00 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	39.4	59.0
63	145.6	104.5	156.7

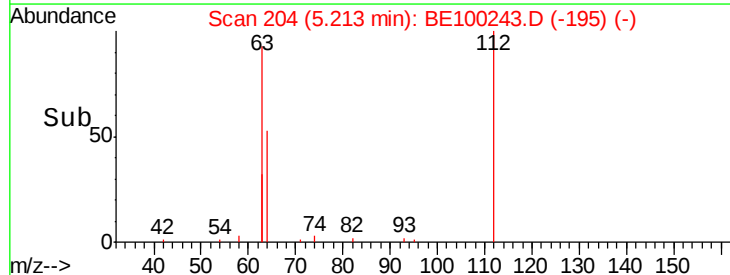
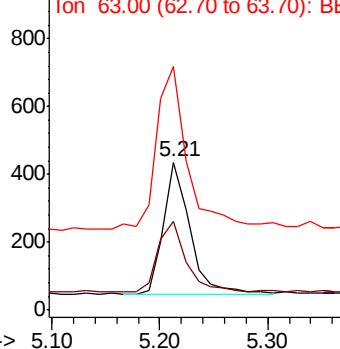


Abundance

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: 0.332 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

Instrument :

BNA_E

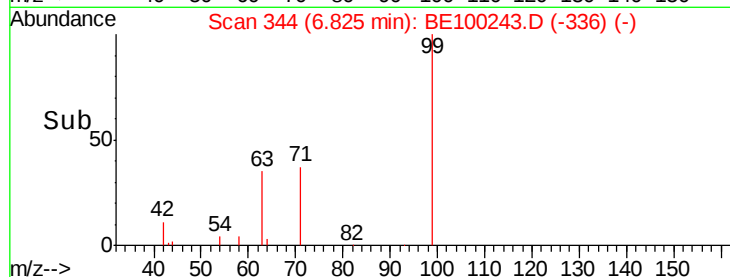
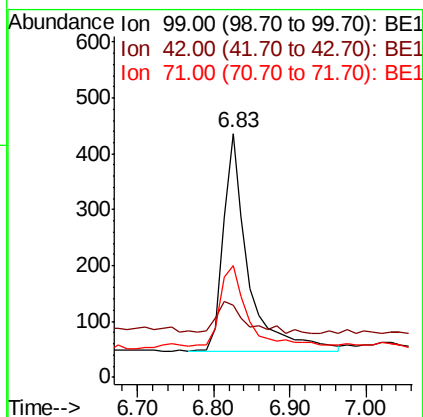
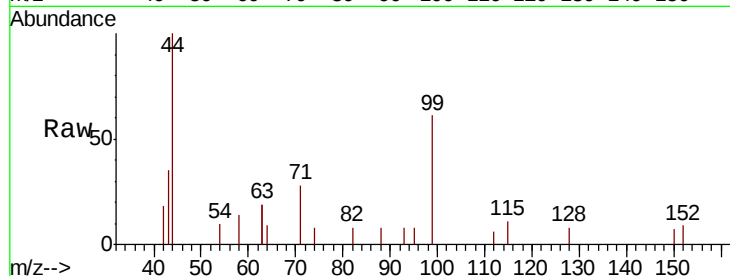
ClientSampleId :

PST-007-SW049-061819

Tot Ion:	99	Resp:	899
Ion	Ratio	Lower	Upper
99	100		
42	17.2	11.2	16.8#
71	39.6	37.2	55.8

Manual Integrations
APPROVED

mohammad
7/1/2019 3:07:04 PM



#7

Naphthalene-d8

Concen: 0.400 ng

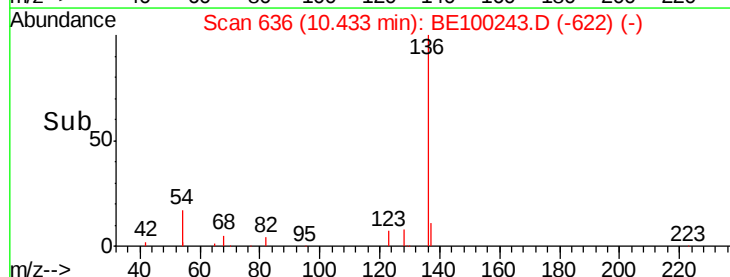
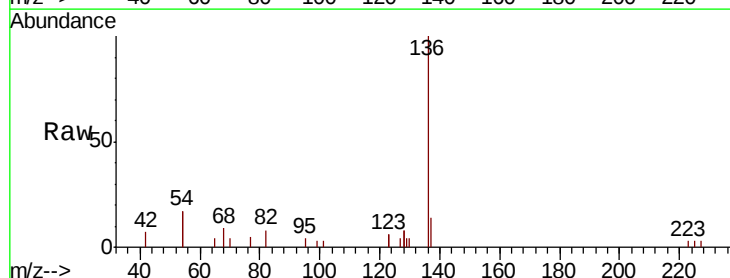
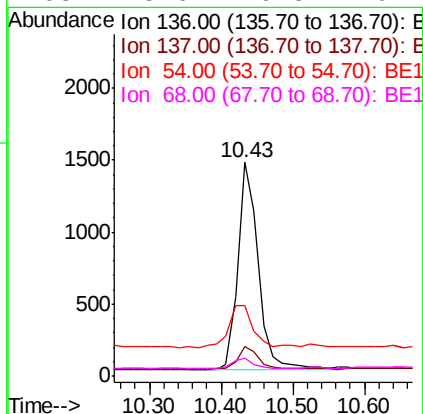
RT: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

Tgt Ion:	136	Resp:	2839
Ion	Ratio	Lower	Upper
136	100		
137	14.0	11.8	17.8
54	33.1	27.7	41.5
68	8.6	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.341 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

Instrument :

BNA_E

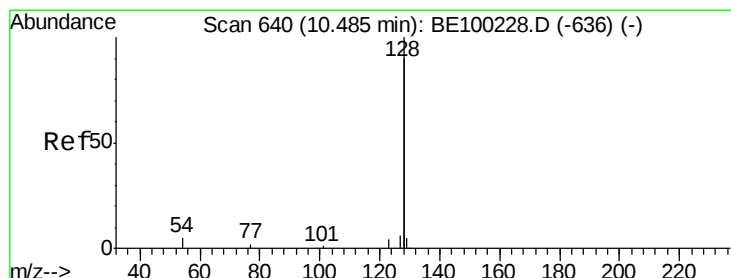
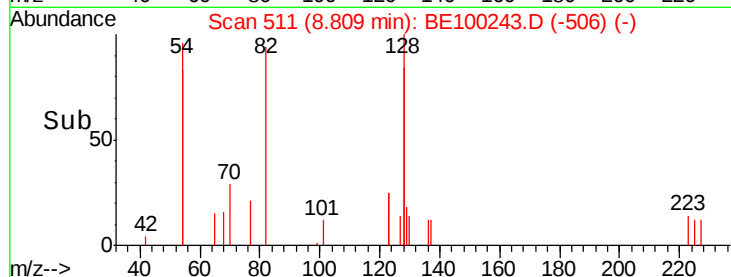
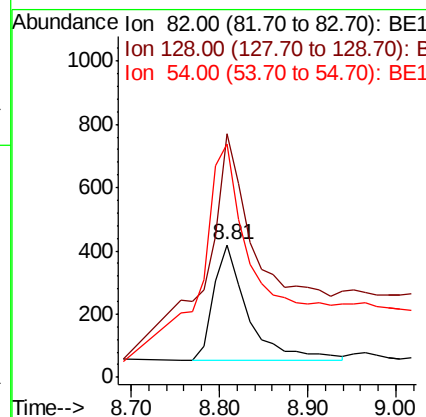
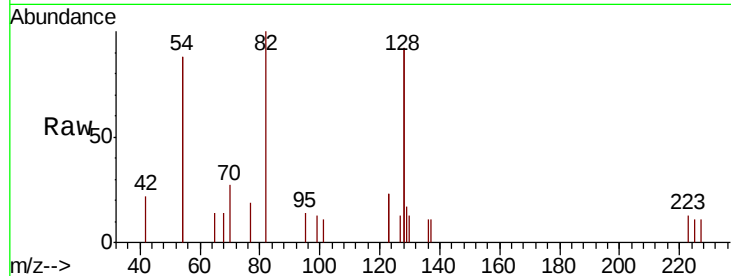
ClientSampleId :

PST-007-SW049-061819

Tot Ion:	82	Resp:	961
Ion	Ratio	Lower	Upper
82	100		
128	183.8	140.9	211.3
54	176.6	146.2	219.2

Manual Integrations
APPROVED

mohammad
7/1/2019 3:07:04 PM



#9

Naphthalene

Concen: 0.077 ng

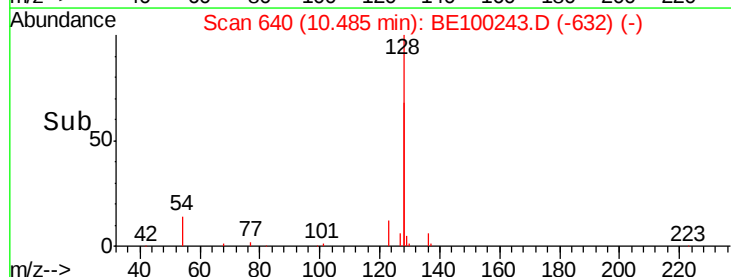
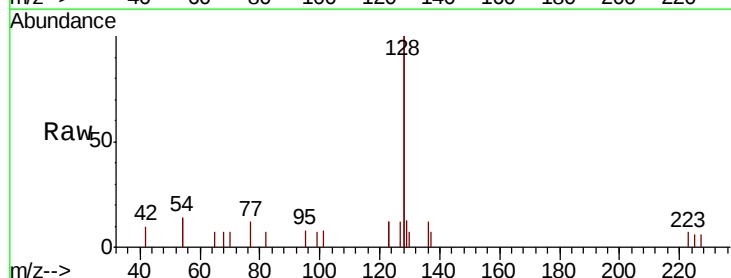
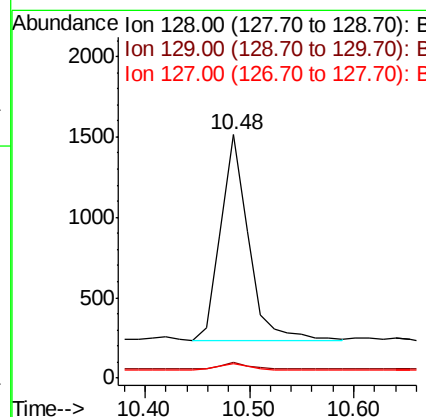
RT: 10.48 min Scan# 640

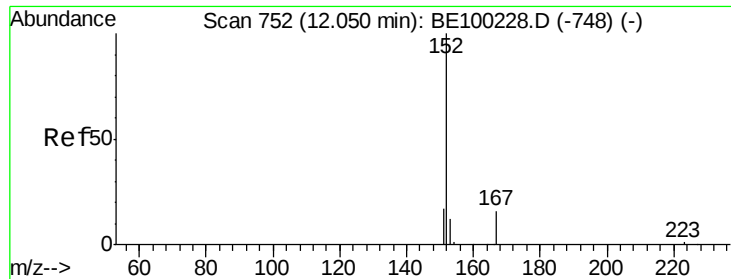
Delta R.T. 0.00 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

Tgt Ion:	128	Resp:	2398
Ion	Ratio	Lower	Upper
128	100		
129	6.3	3.0	4.6#
127	6.1	3.5	5.3#





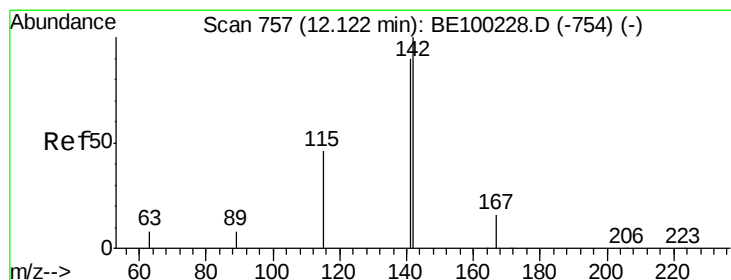
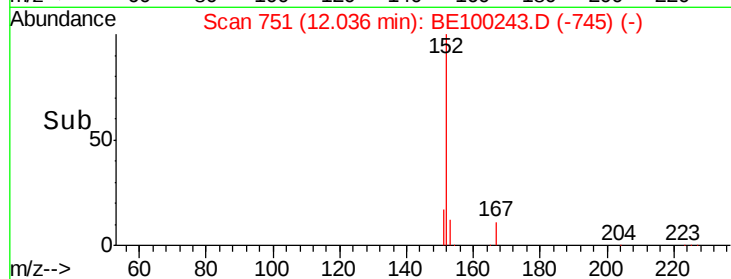
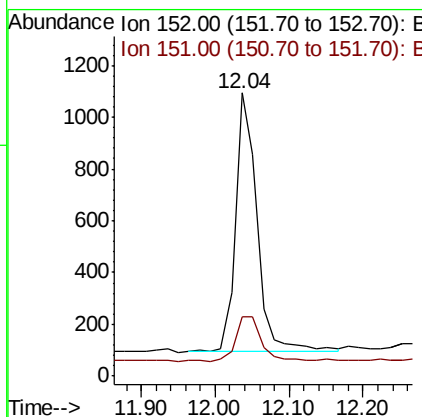
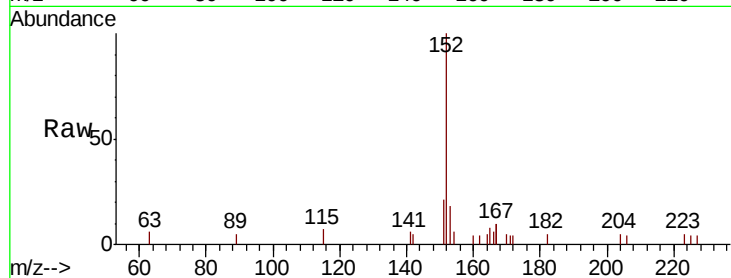
#11
2-Methylnaphthalene-d10
Concen: 0.378 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
PST-007-SW049-061819

Tot Ion:152 Resp: 2019
Ion Ratio Lower Upper
152 100
151 20.2 15.1 22.7

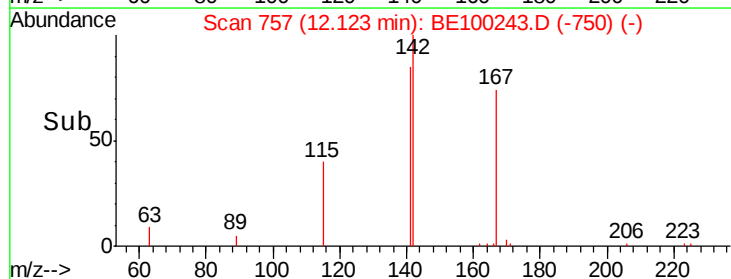
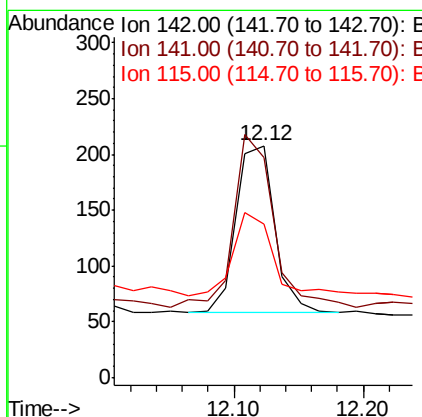
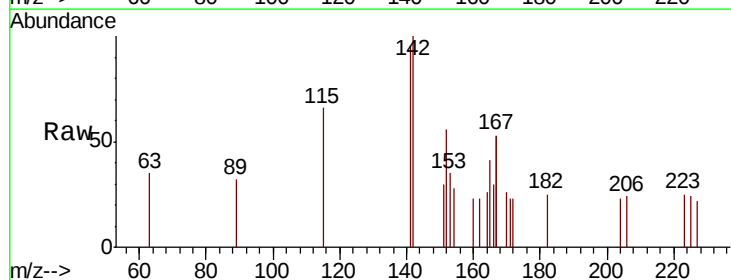
Manual Integrations
APPROVED

mohammad
7/1/2019 3:07:04 PM



#12
2-Methylnaphthalene
Concen: 0.056 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

Tgt Ion:142 Resp: 310
Ion Ratio Lower Upper
142 100
141 94.7 72.4 108.6
115 66.3 40.4 60.6#





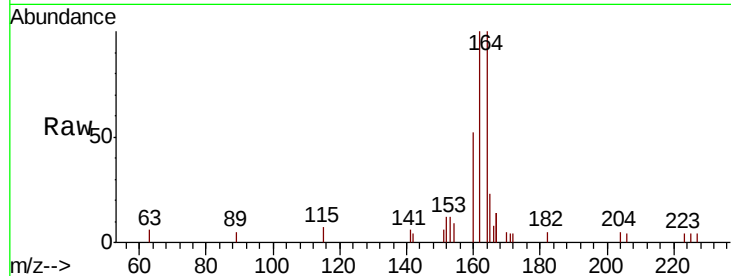
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
PST-007-SW049-061819

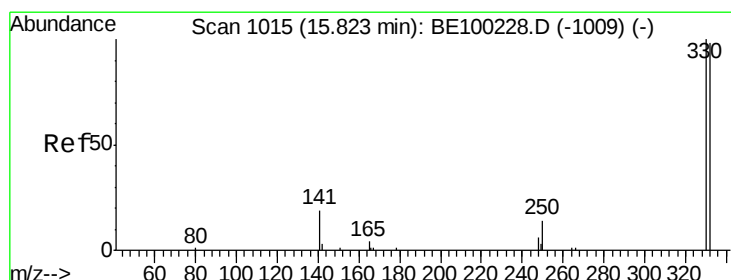
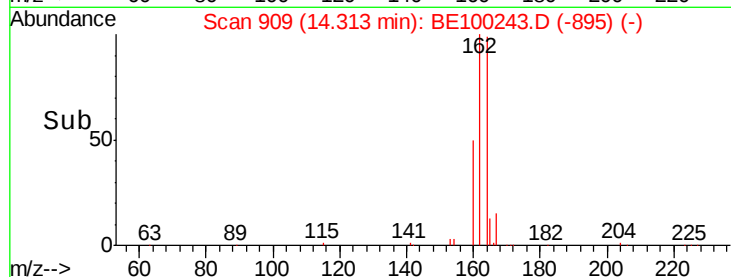
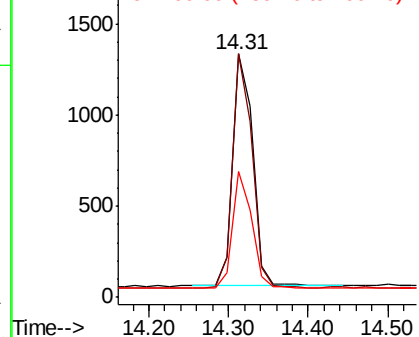
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.1	83.4	125.0
160	51.6	45.0	67.6

Manual Integrations
APPROVED

mohammad
7/1/2019 3:07:04 PM



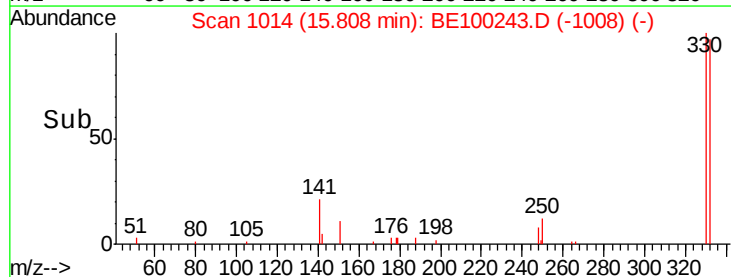
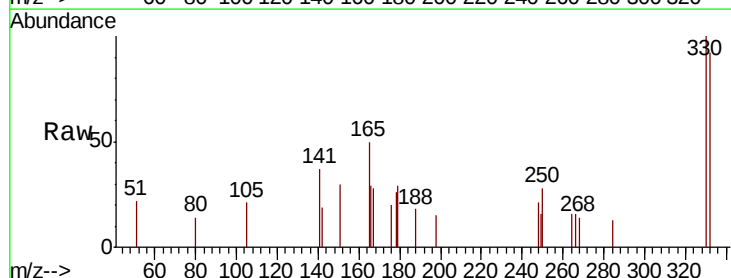
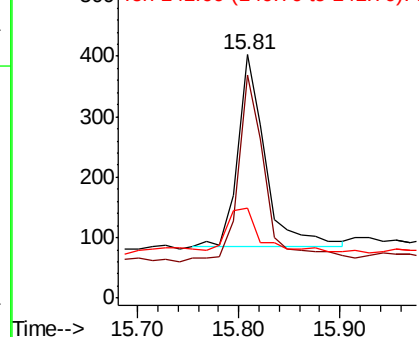
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#14
2,4,6-Tribromophenol
Concen: 0.376 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

Tgt Ion	Ratio	Lower	Upper
330	100		
332	89.6	77.0	115.4
141	26.6	22.0	33.0

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





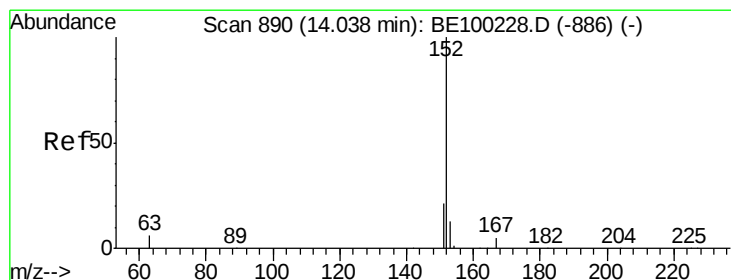
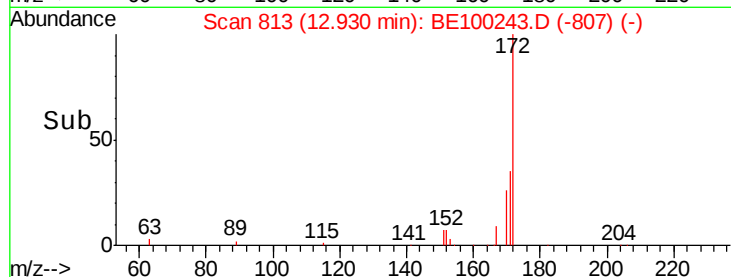
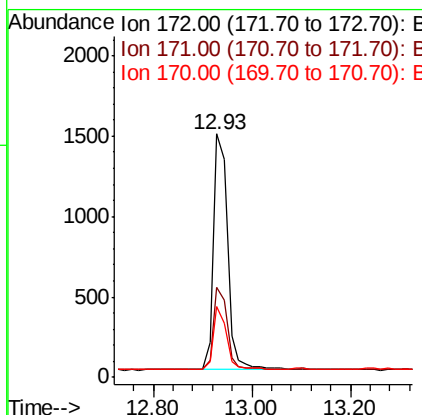
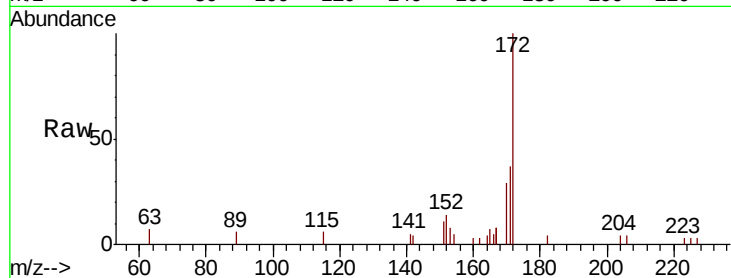
#15
2-Fluorobiphenyl
Concen: 0.334 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
PST-007-SW049-061819

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.2	31.9	47.9
170	28.9	22.2	33.2

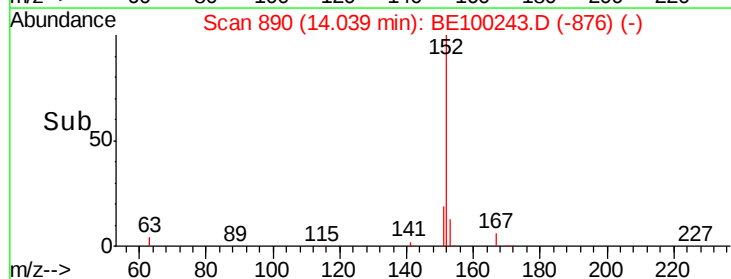
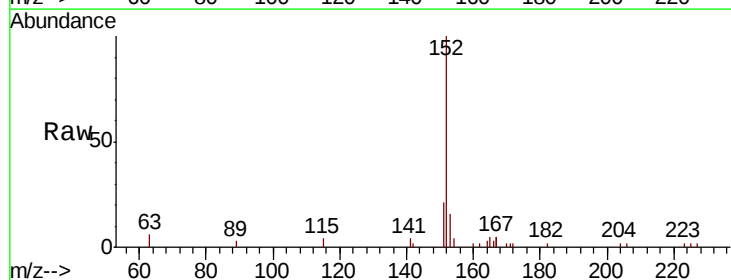
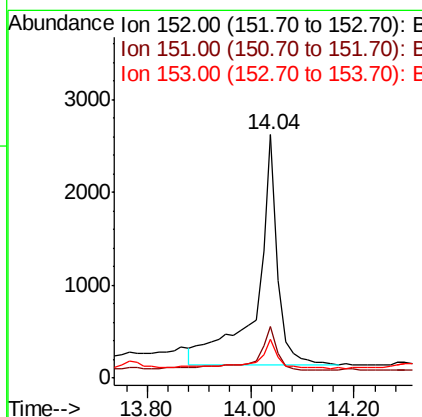
Manual Integrations
APPROVED

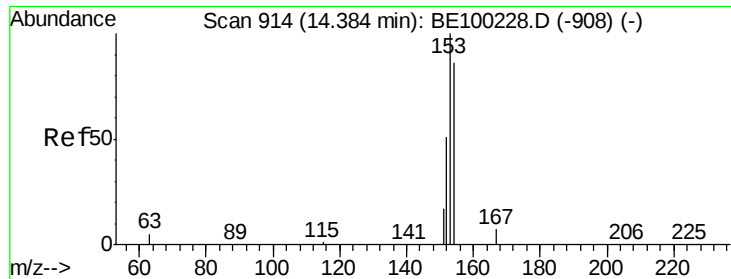
mohammad
7/1/2019 3:07:04 PM



#16
Acenaphthylene
Concen: 0.648 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.6	25.0
153	10.7	10.5	15.7





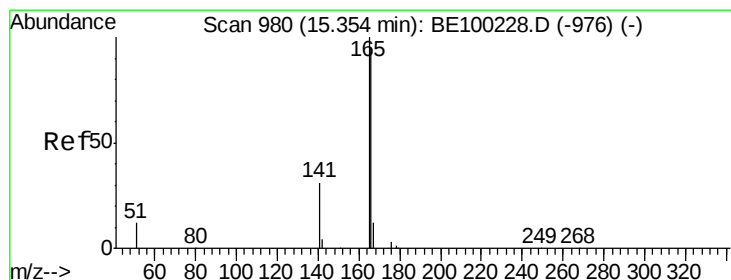
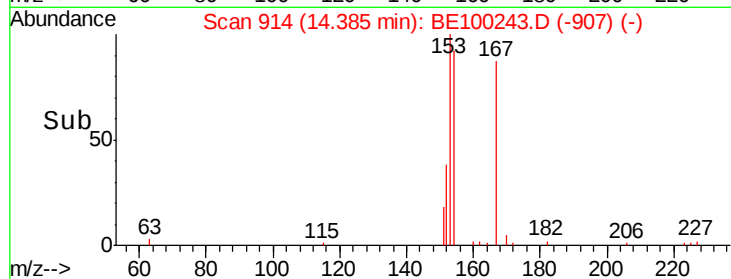
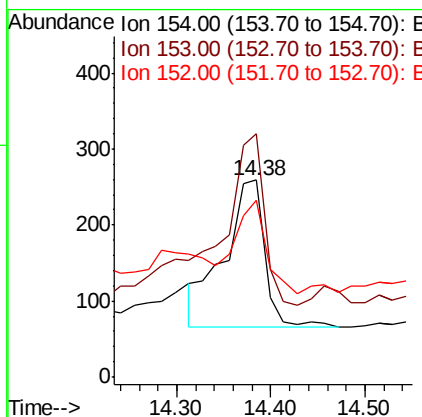
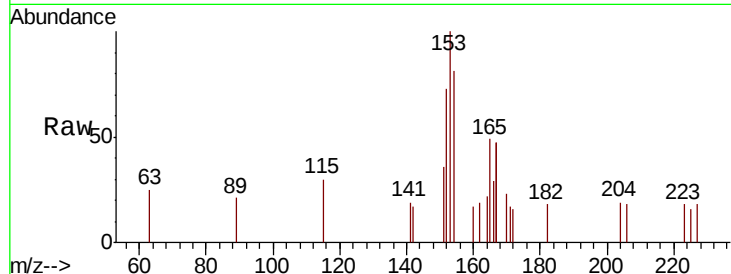
#17
Acenaphthene
Concen: 0.096 ng
RT: 14.38 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
PST-007-SW049-061819

Tot Ion	Ratio	Lower	Upper
154	100		
153	107.9	93.4	140.2
152	48.8	49.4	74.2

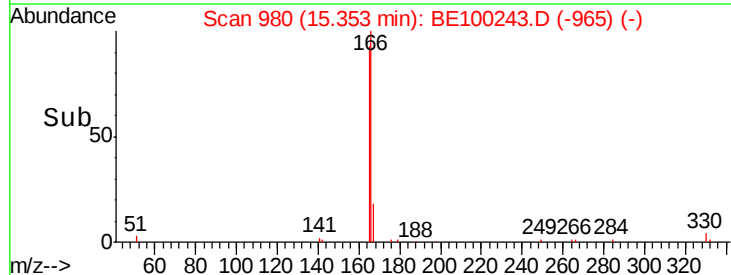
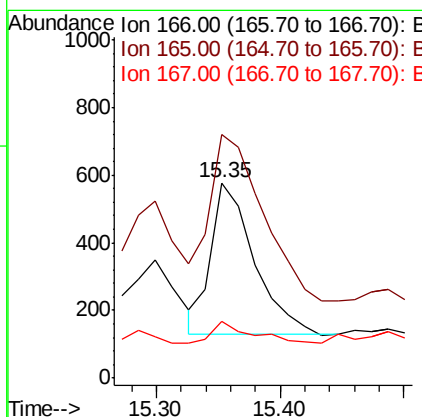
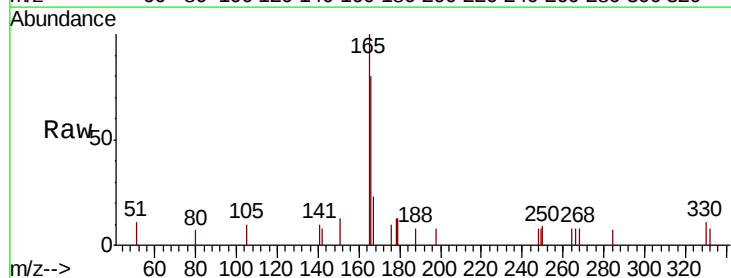
Manual Integrations
APPROVED

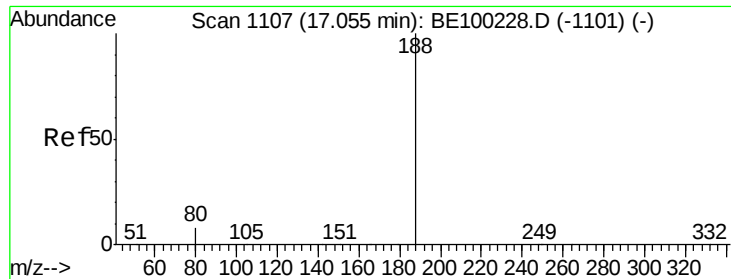
mohammad
7/1/2019 3:07:04 PM



#18
Fluorene
Concen: 0.122 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

Tgt Ion	Ratio	Lower	Upper
166	100		
165	133.5	81.1	121.7
167	13.1	10.7	16.1





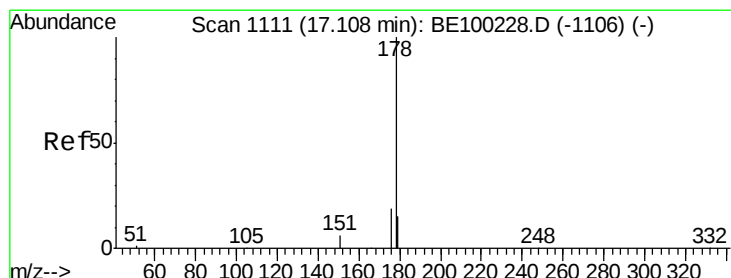
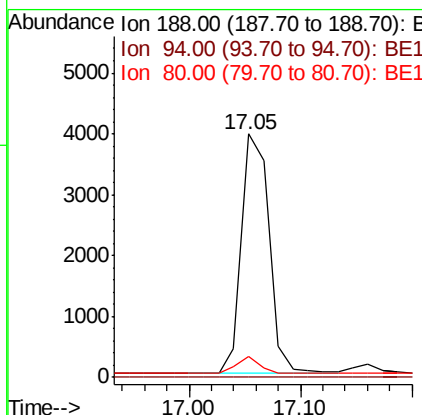
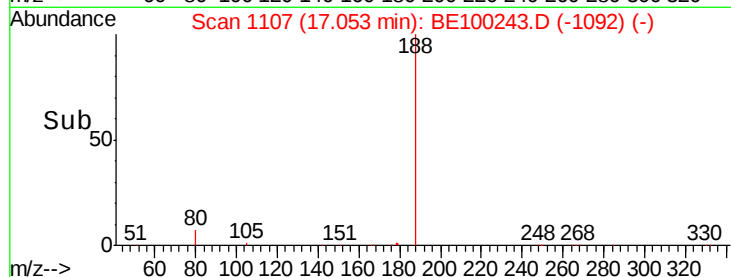
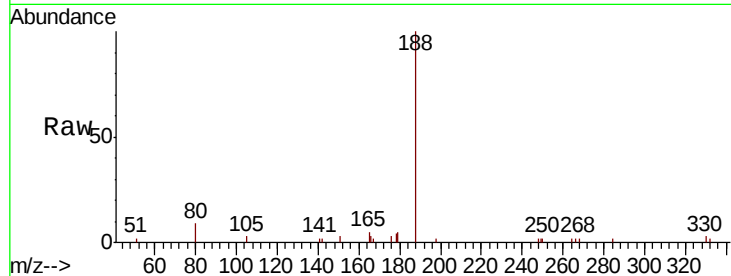
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
PST-007-SW049-061819

Tot Ion	Ratio	Resp	Lower	Upper
188	100	6789		
94	0.0	0.0	0.0	0.0
80	8.7	7.6	11.4	

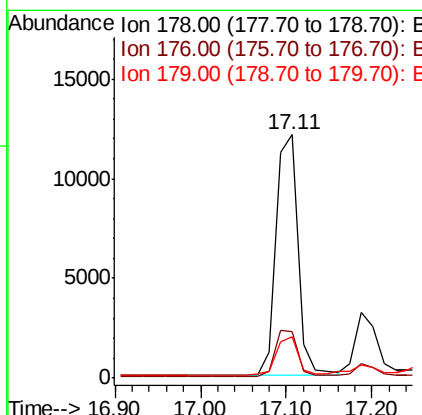
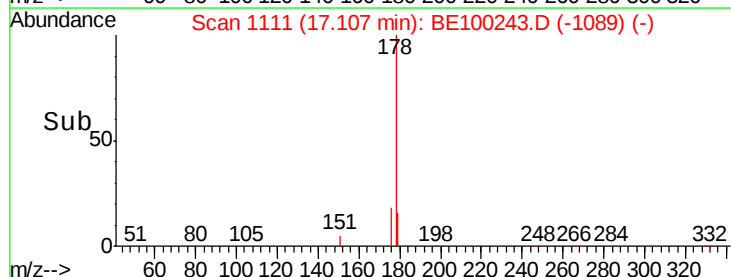
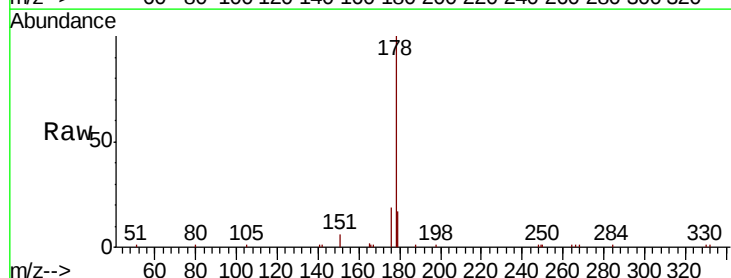
Manual Integrations
APPROVED

mohammad
7/1/2019 3:07:04 PM



#23
Phenanthrene
Concen: 1.304 ng
RT: 17.11 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	21451		
176	19.3	15.9	23.9	
179	16.2	12.2	18.2	





#24

Anthracene

Concen: 0.372 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

Instrument :

BNA_E

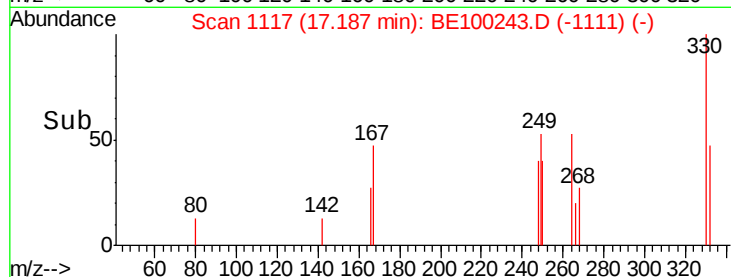
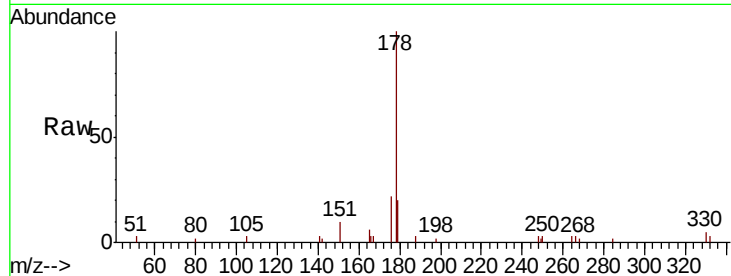
ClientSampleId :

PST-007-SW049-061819

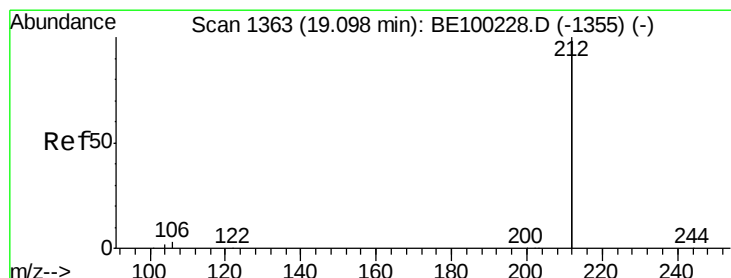
Tot Ion:178	Resp:	5511
Ion Ratio	Lower	Upper
178	100	
176	19.2	15.3 22.9
179	14.3	12.2 18.2

Manual Integrations
APPROVED

mohammad
7/1/2019 3:07:04 PM



Time--> 17.10 17.20 17.30



#25

Fluoranthene-d10

Concen: 0.351 ng

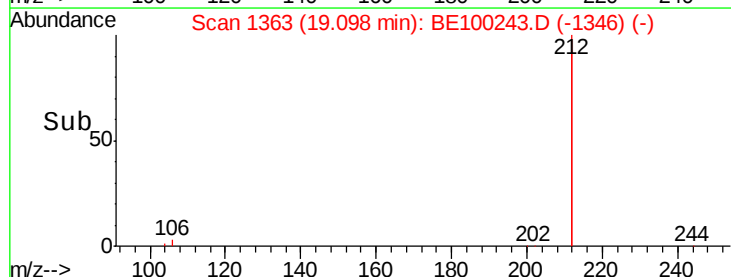
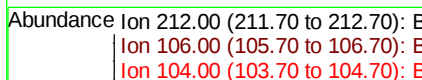
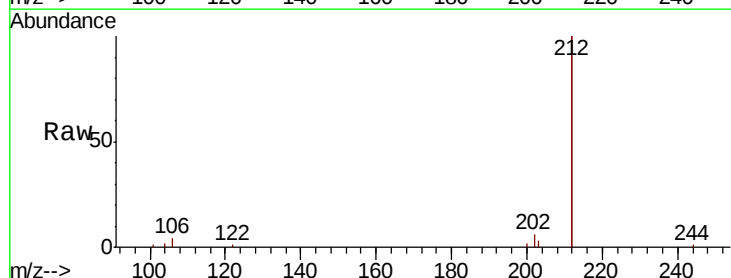
RT: 19.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

Tgt Ion:212	Resp:	34586
Ion Ratio	Lower	Upper
212	100	
106	1.6	1.3 1.9
104	1.0	0.8 1.2



Time--> 19.05 19.10 19.15 19.20



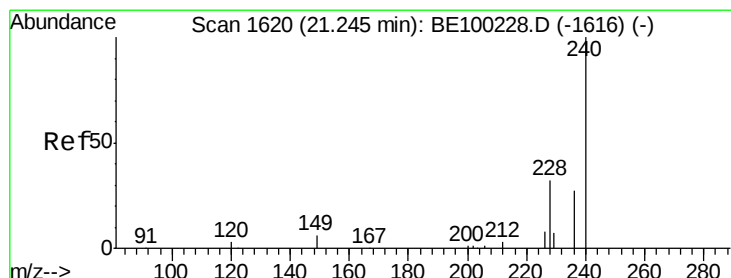
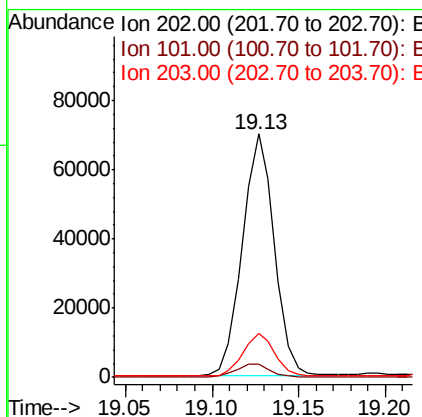
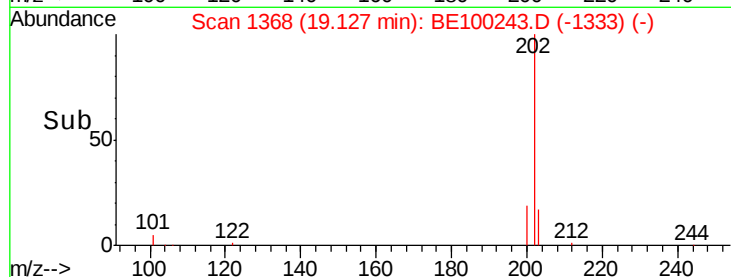
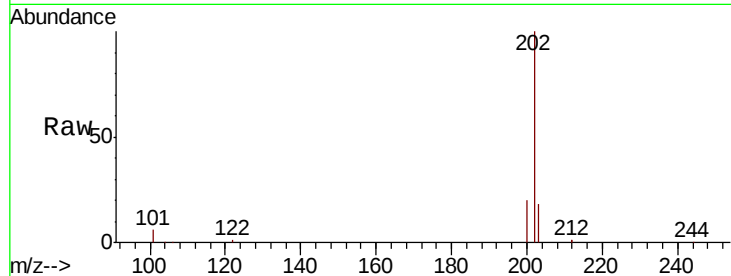
#26
Fluoranthene
 Concen: 3.421 ng
 RT: 19.13 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: BE100243.D
 Acq: 28 Jun 2019 20:15

Instrument :
 BNA_E
 ClientSampleId :
 PST-007-SW049-061819

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.6	4.6	7.0
203	17.6	13.7	20.5

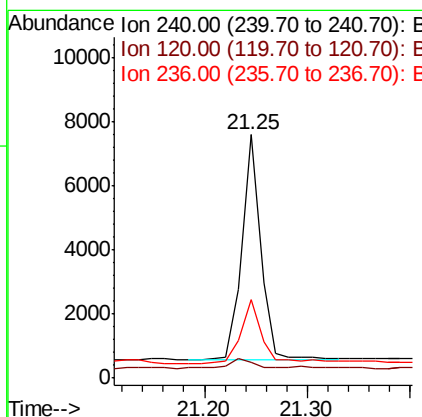
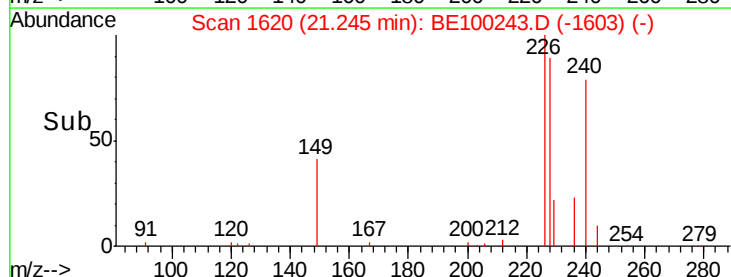
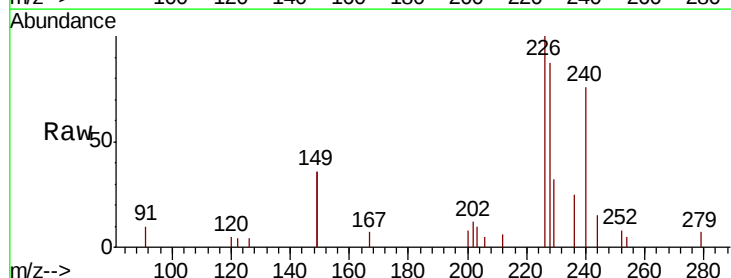
Manual Integrations
 APPROVED

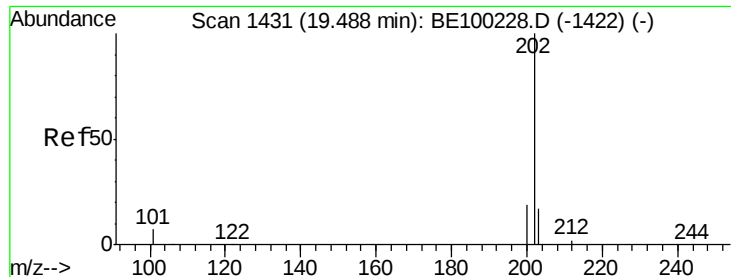
mohammad
 7/1/2019 3:07:04 PM



#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100243.D
 Acq: 28 Jun 2019 20:15

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.7	3.3	4.9#
236	32.3	22.6	34.0





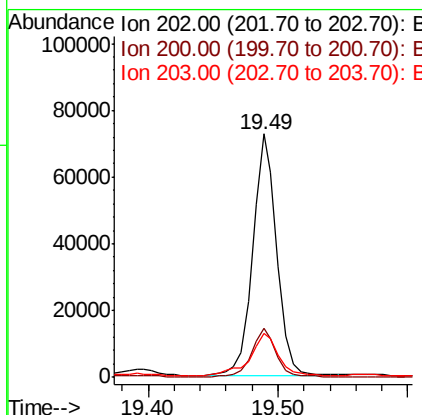
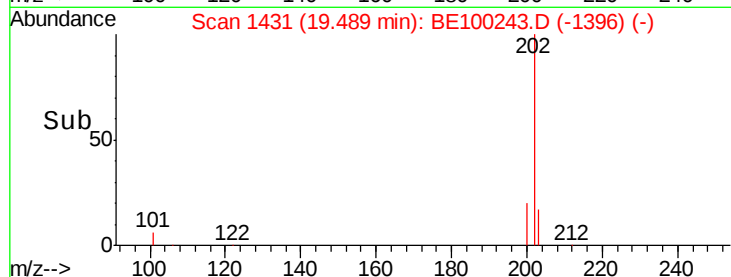
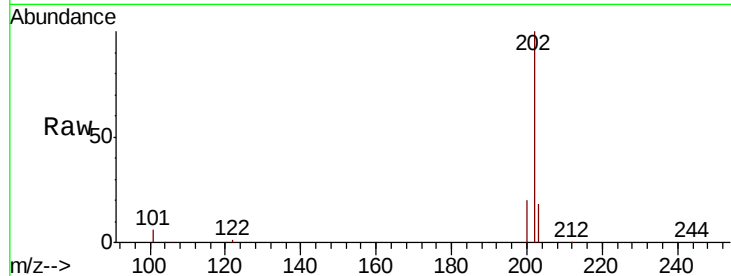
#28
Pvrene
Concen: 3.898 ng
RT: 19.49 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
PST-007-SW049-061819

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.6	23.4
203	20.7	14.0	21.0

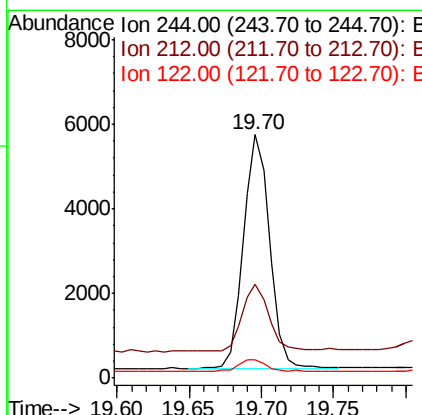
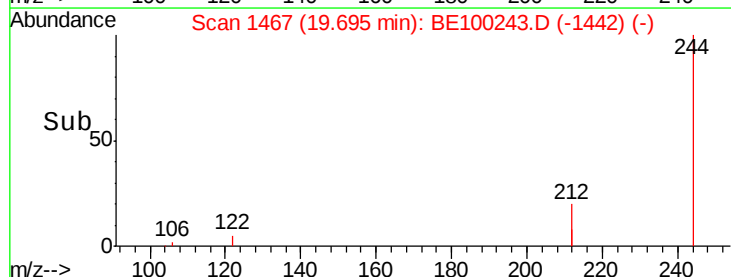
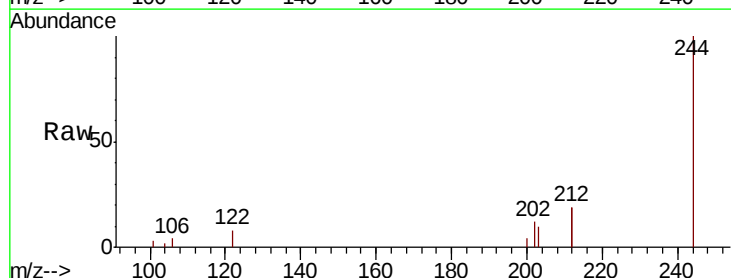
Manual Integrations
APPROVED

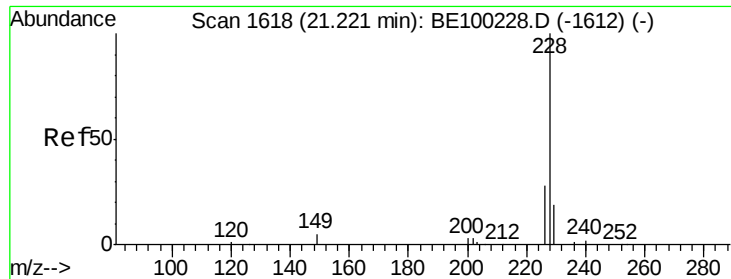
mohammad
7/1/2019 3:07:04 PM



#29
Terphenyl-d14
Concen: 0.381 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	38.5	27.3	40.9
122	7.5	4.7	7.1#





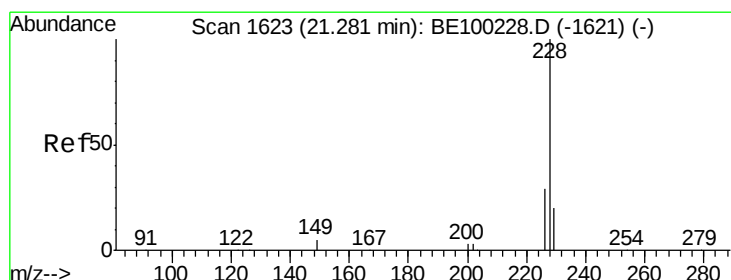
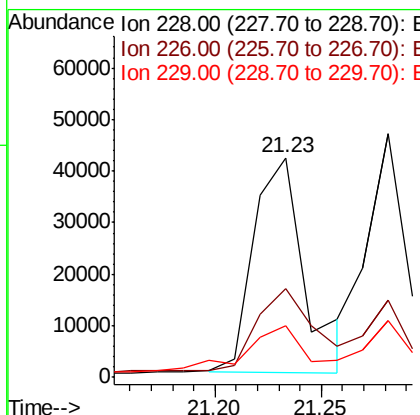
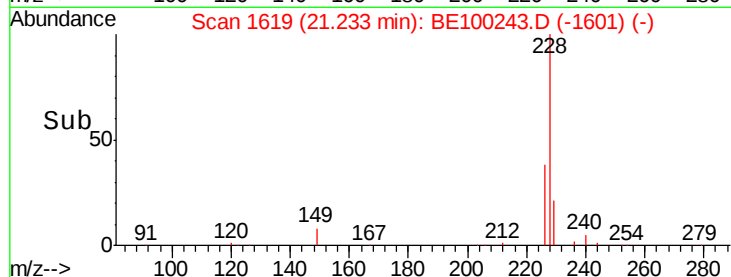
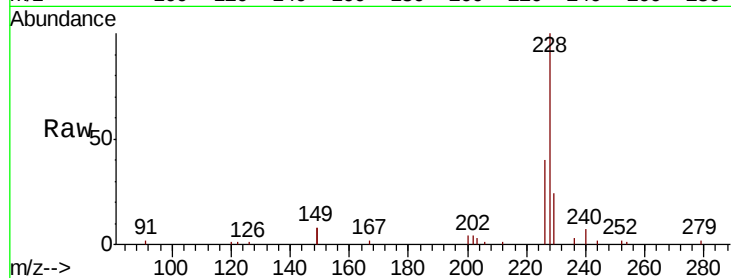
#30
Benzo(a)anthracene
Concen: 2.389 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
PST-007-SW049-061819

Tot Ion	Ratio	Lower	Upper
228	100		
226	40.2	23.2	34.8#
229	23.6	15.7	23.5#

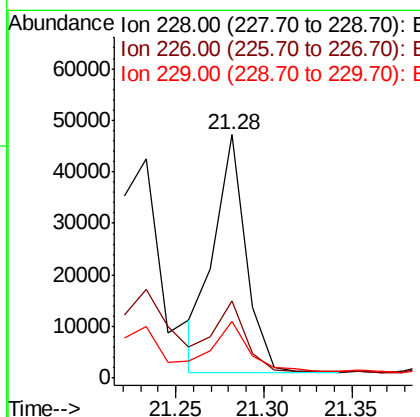
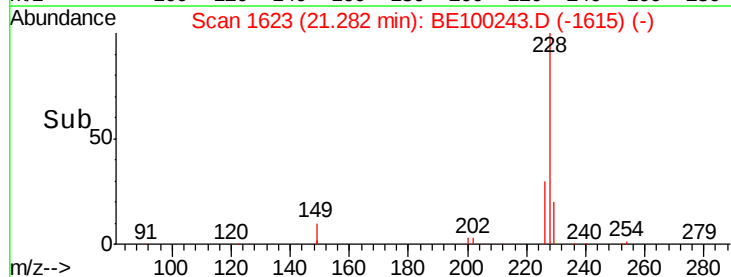
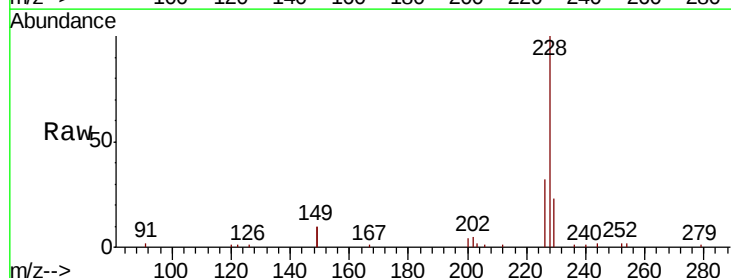
Manual Integrations
APPROVED

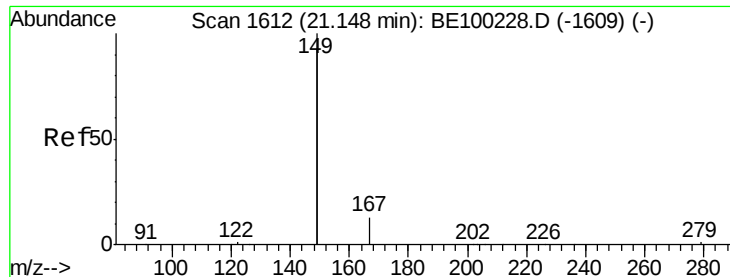
mohammad
7/1/2019 3:07:04 PM



#31
Chrysene
Concen: 1.966 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	23.9	35.9
229	23.4	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 2.516 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

Instrument :

BNA_E

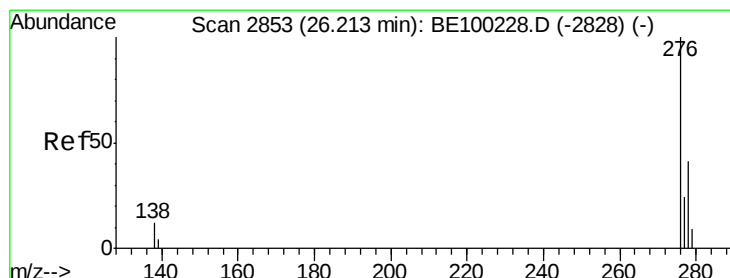
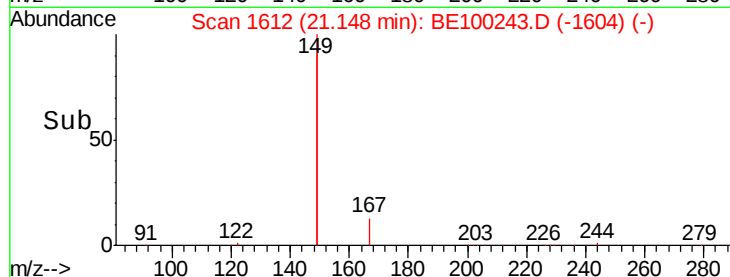
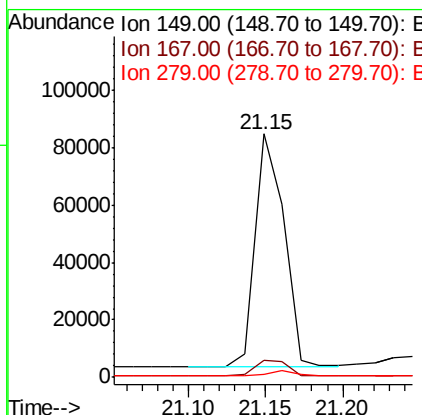
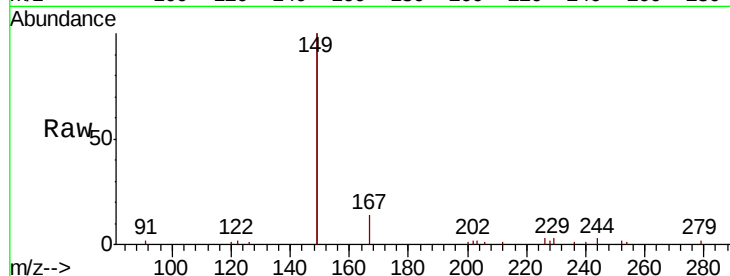
ClientSampleId :

PST-007-SW049-061819

Tot Ion:	149	Resp:	106559
Ion Ratio	Lower	Upper	
149	100		
167	7.5	5.8	8.8
279	1.7	1.1	1.7

Manual Integrations
APPROVED

mohammad
7/1/2019 3:07:04 PM



#33

Indeno(1,2,3-cd)pyrene

Concen: 1.158 ng

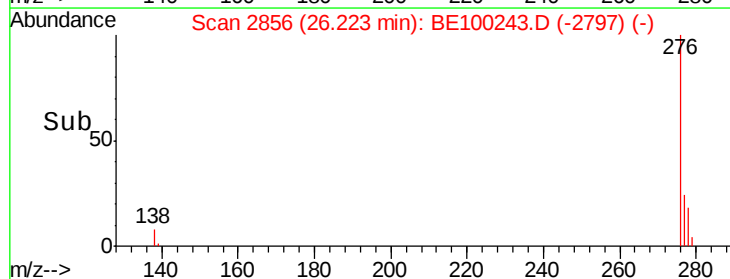
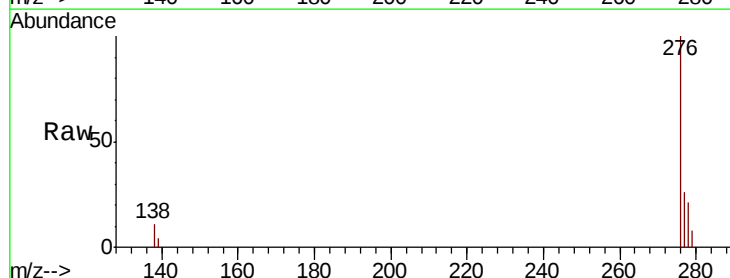
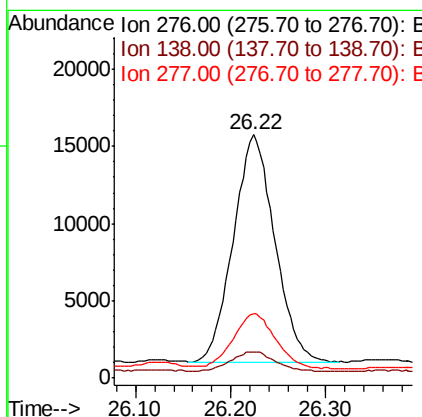
RT: 26.22 min Scan# 2856

Delta R.T. 0.01 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

Tgt Ion:	276	Resp:	45039
Ion Ratio	Lower	Upper	
276	100		
138	9.2	9.4	14.0#
277	24.8	19.2	28.8





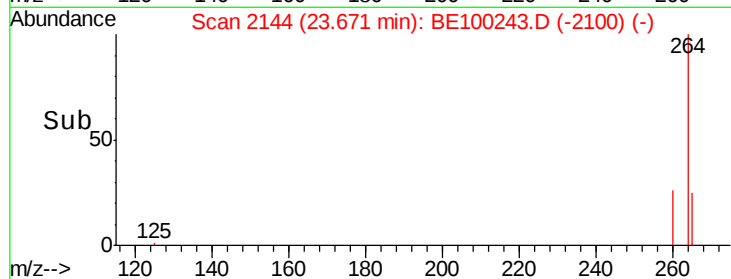
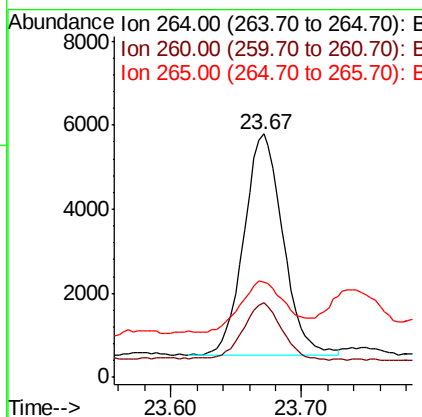
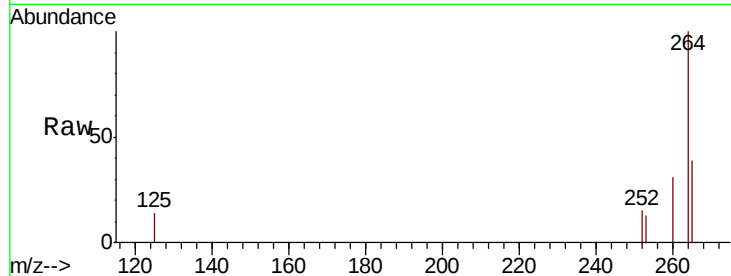
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 2144
Delta R.T. 0.01 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
PST-007-SW049-061819

Tot Ion	Ratio	Lower	Upper
264	100		
260	30.5	20.8	31.2
265	39.1	21.8	32.6

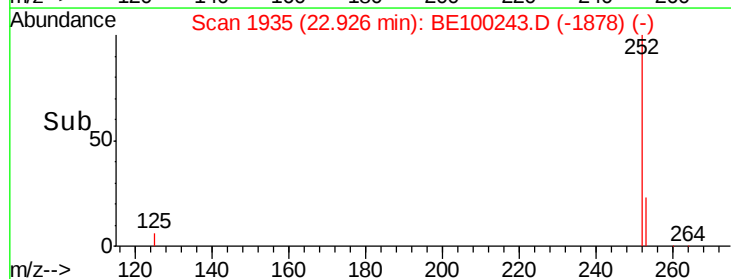
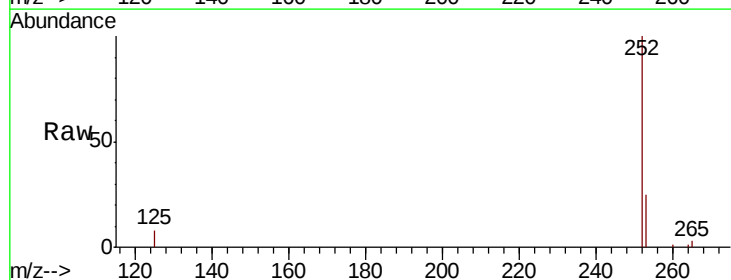
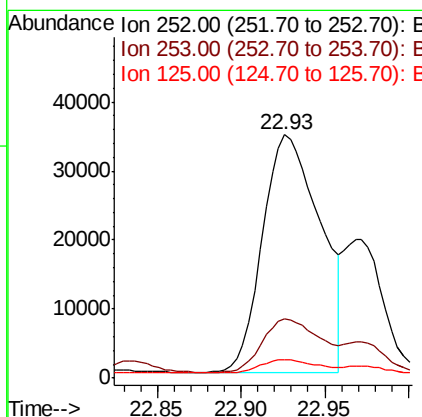
Manual Integrations
APPROVED

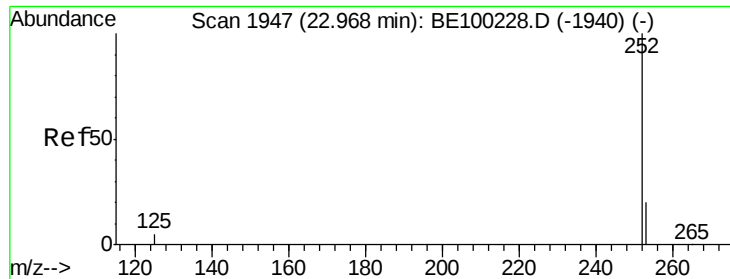
mohammad
7/1/2019 3:07:04 PM



#35
Benzo(b)fluoranthene
Concen: 2.786 ng
RT: 22.93 min Scan# 1935
Delta R.T. 0.00 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.2	28.8
125	7.7	7.4	11.0





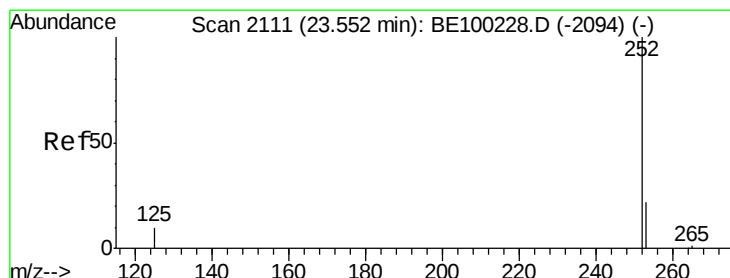
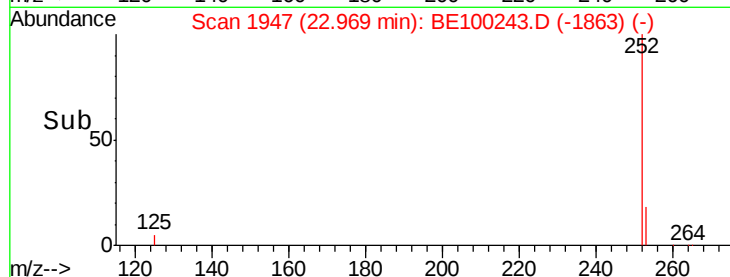
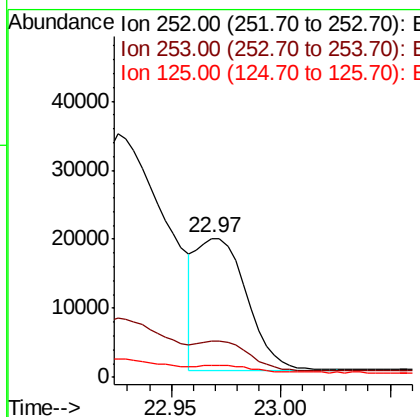
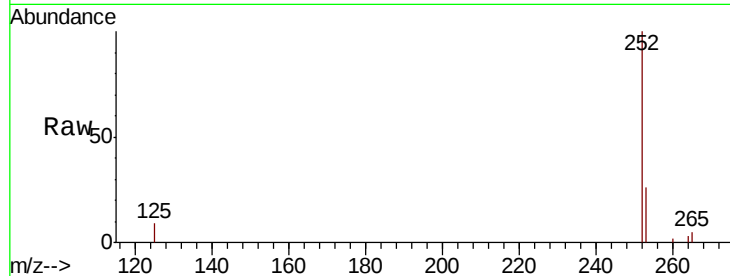
#36
Benzo(k)fluoranthene
Concen: 0.929 ng m
RT: 22.97 min Scan# 1947
Delta R.T. 0.00 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
PST-007-SW049-061819

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.9	26.9
125	8.7	5.0	7.4

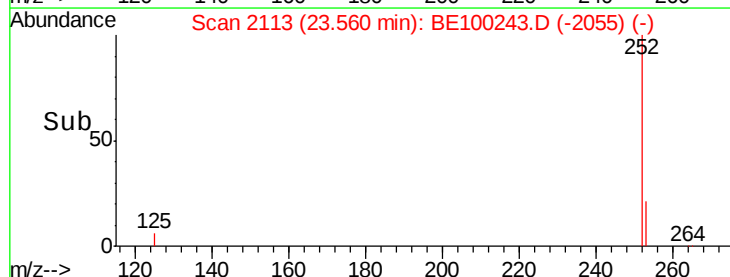
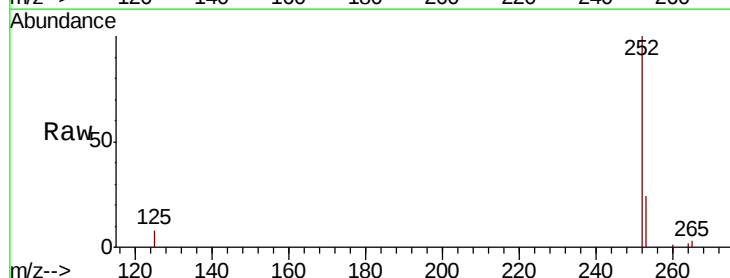
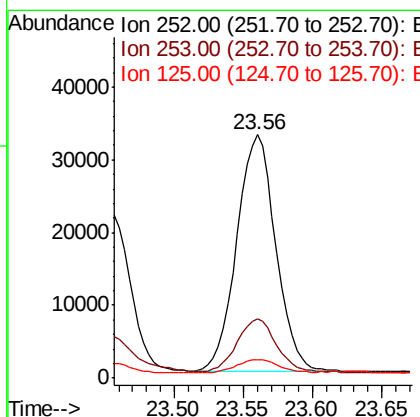
Manual Integrations
APPROVED

mohammad
7/1/2019 3:07:04 PM



#37
Benzo(a)pyrene
Concen: 2.144 ng m
RT: 23.56 min Scan# 2113
Delta R.T. 0.01 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.6	29.4
125	7.8	9.0	13.6





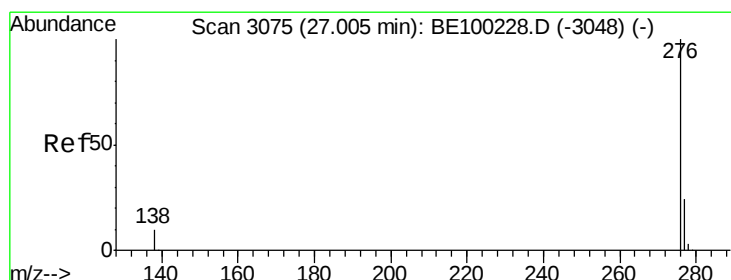
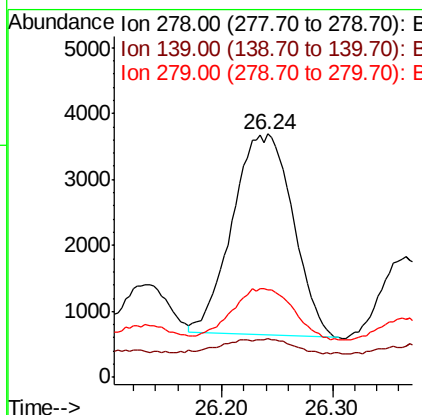
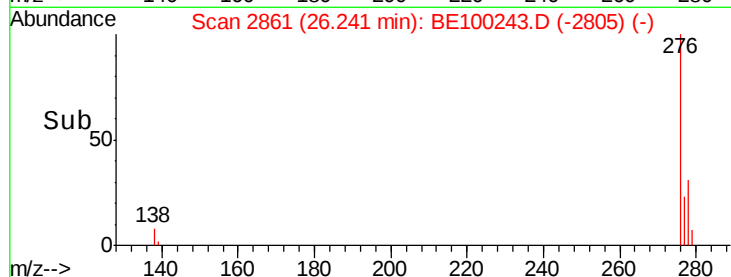
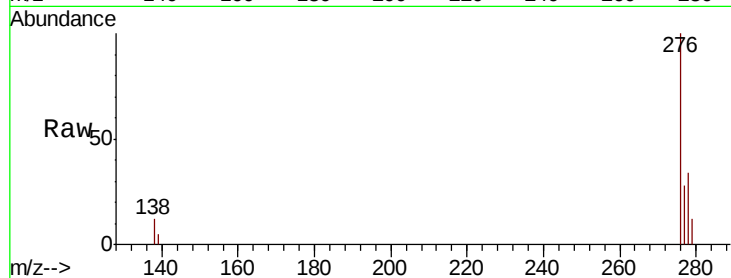
#38
Dibenzo(a,h)anthracene
Concen: 0.371 ng m
RT: 26.24 min Scan# 2861
Delta R.T. -0.00 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
PST-007-SW049-061819

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.8	8.2	12.2
279	36.1	20.3	30.5

Manual Integrations
APPROVED

mohammad
7/1/2019 3:07:04 PM



#39
Benzo(g,h,i)perylene
Concen: 1.380 ng
RT: 27.02 min Scan# 3079
Delta R.T. 0.01 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	20.2	30.2
138	11.6	9.0	13.6

