

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070219\
 Data File : BE100310.D
 Acq On : 2 Jul 2019 19:51
 Operator : JU/SJ
 Sample : K3446-15DL 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW114-061819DL

Manual Integrations
 APPROVED

mohammad
 7/3/2019 10:49:05 PM

Quant Time: Jul 03 03:48:41 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	352	0.40	ng	0.00
7) Naphthalene-d8	10.44	136	1282	0.40	ng	0.00
13) Acenaphthene-d10	14.31	164	1039	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	2917	0.40	ng	0.00
27) Chrysene-d12	21.25	240	3776	0.40	ng	0.00
34) Perylene-d12	23.67	264	4220	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	124	0.14	ng	0.00
5) Phenol-d6	6.84	99	137	0.12	ng	0.00
8) Nitrobenzene-d5	8.83	82	158	0.12	ng	0.01
11) 2-Methylnaphthalene-d10	12.05	152	401	0.17	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	96	0.13	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	562	0.14	ng	0.00
25) Fluoranthene-d10	19.10	212	6498	0.15	ng	0.00
29) Terphenyl-d14	19.70	244	1412	0.18	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.48	128	2059	0.146	ng	# 89
12) 2-Methylnaphthalene	12.12	142	312	0.126	ng	# 85
16) Acenaphthylene	14.04	152	2223	0.446	ng	100
17) Acenaphthene	14.38	154	252	0.089	ng	# 91
18) Fluorene	15.35	166	580	0.139	ng	# 87
23) Phenanthrene	17.11	178	18903	2.674	ng	99
24) Anthracene	17.19	178	2945	0.463	ng	99
26) Fluoranthene	19.13	202	60857	5.404	ng	99
28) Pyrene	19.49	202	62319	6.234	ng	96
30) Benzo(a)anthracene	21.23	228	46400	3.737	ng	97
31) Chrysene	21.28	228	42443	3.404	ng	97
32) Bis(2-ethylhexyl)phthalate	21.15	149	20828	1.129	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.23	276	29065	1.763	ng	97
35) Benzo(b)fluoranthene	22.93	252	54610	4.773	ng	# 98
36) Benzo(k)fluoranthene	22.97	252	19425m	1.521	ng	
37) Benzo(a)pyrene	23.57	252	38774	3.381	ng	# 96
38) Dibenzo(a,h)anthracene	26.24	278	7771	0.649	ng	# 84
39) Benzo(a,h,i)perylene	27.02	276	30531	2.482	ng	99

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

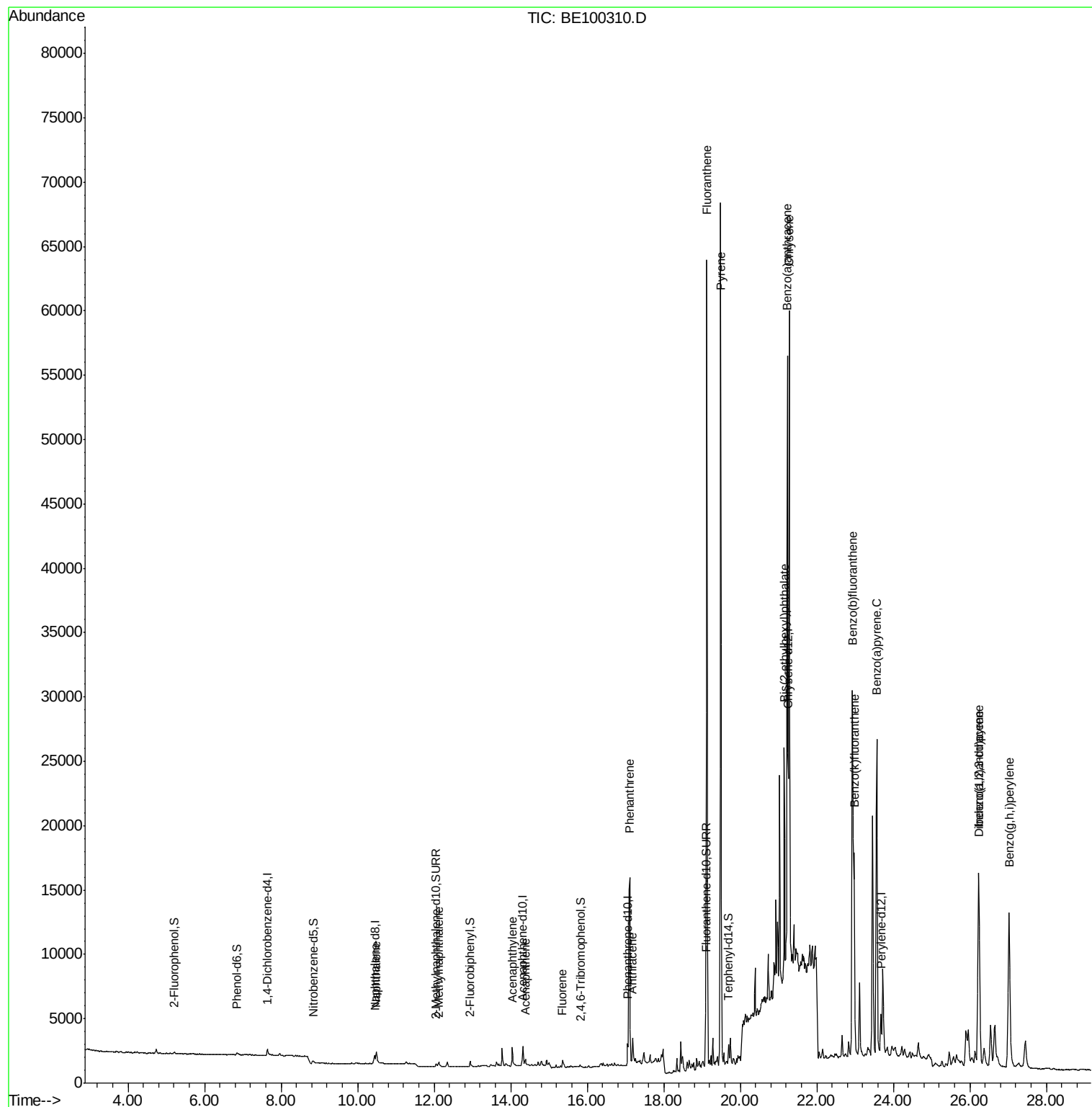
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070219\
Data File : BE100310.D
Acq On : 2 Jul 2019 19:51
Operator : JU/SJ
Sample : K3446-15DL 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

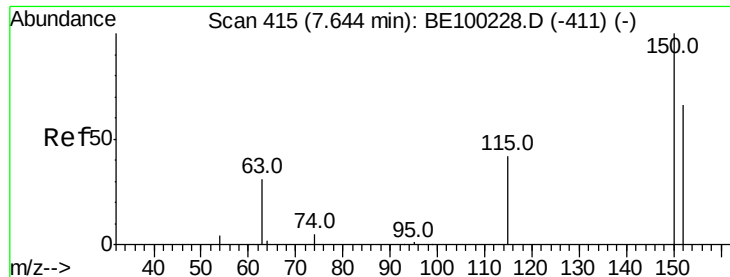
Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819DL

Manual Integrations
APPROVED

mohammad
7/3/2019 10:49:05 PM

Quant Time: Jul 03 03:48:41 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

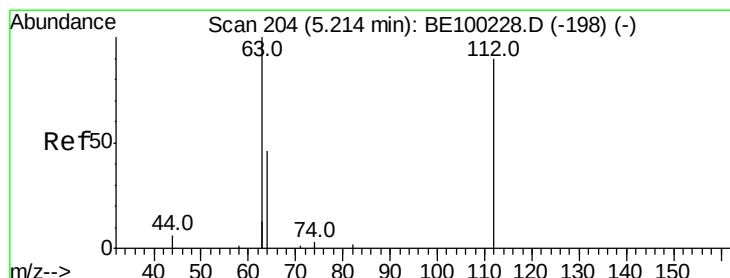
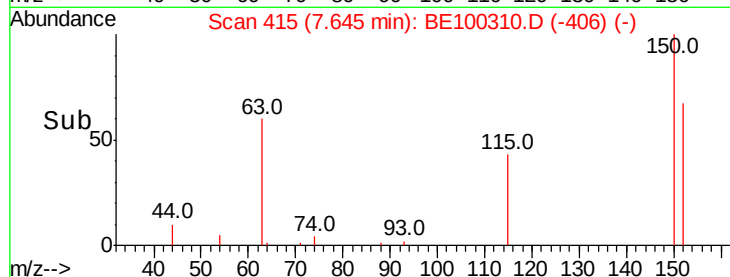
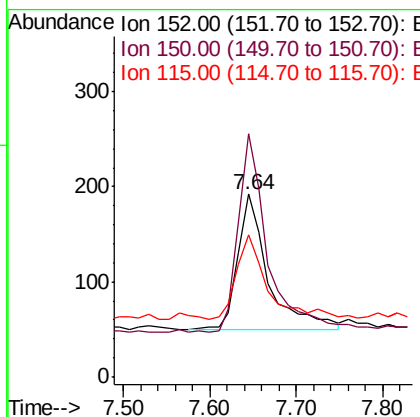
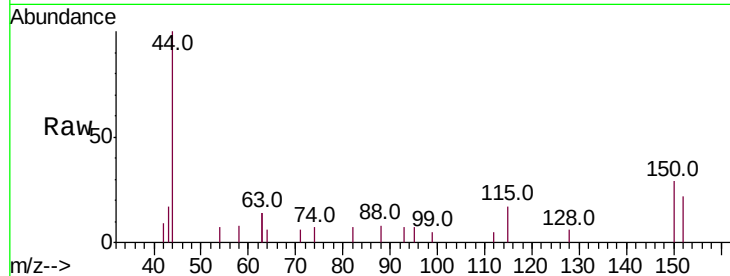
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. 0.00 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	133.3	114.5	171.7
115	78.1	57.1	85.7

Manual Integrations
APPROVED

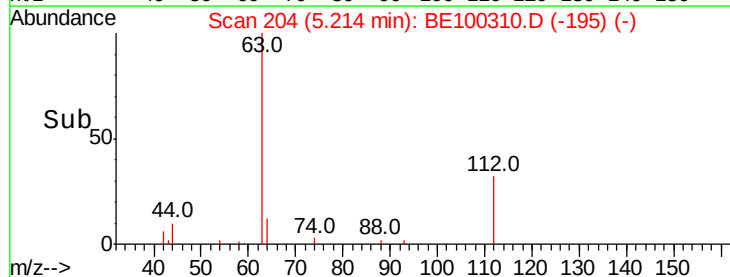
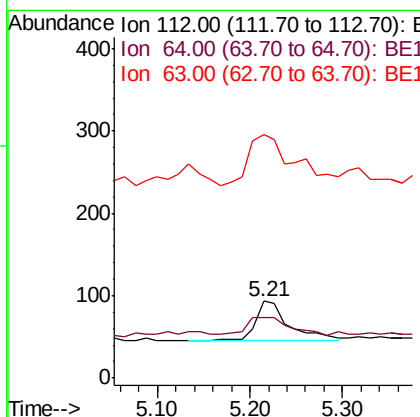
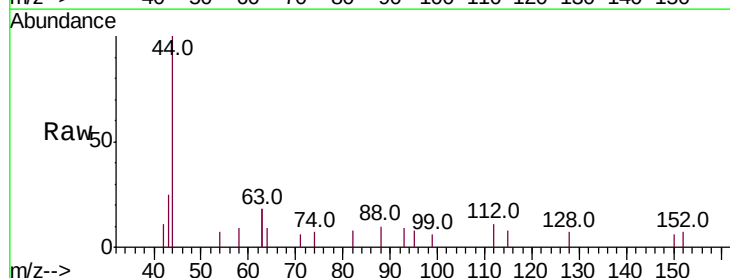
mohammad
7/3/2019 10:49:05 PM

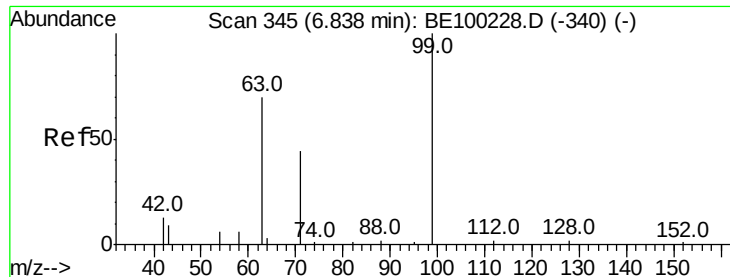


#4

2-Fluorophenol
Concen: 0.138 ng
RT: 5.21 min Scan# 204
Delta R.T. 0.00 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	39.4	59.0
63	187.1	104.5	156.7





#5

Phenol-d6

Concen: 0.116 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE100310.D

Acq: 2 Jul 2019 19:51

Instrument :

BNA_E

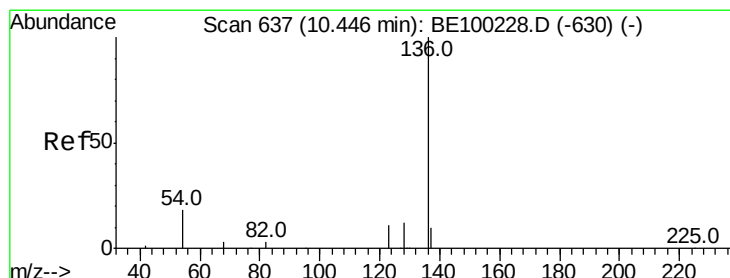
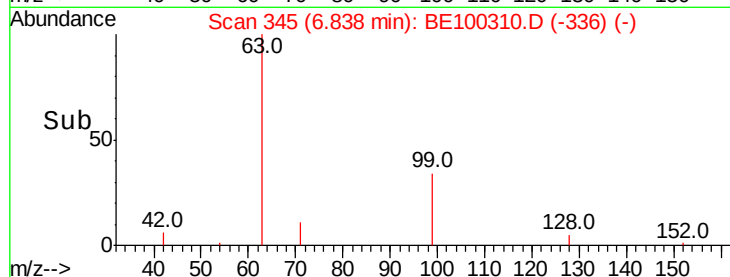
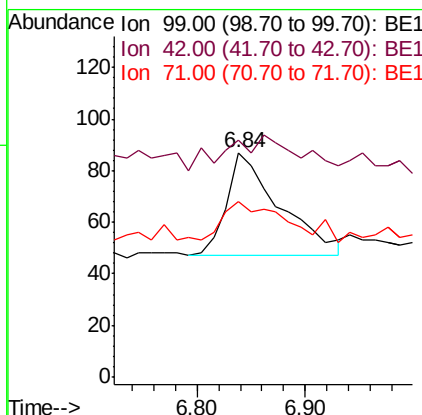
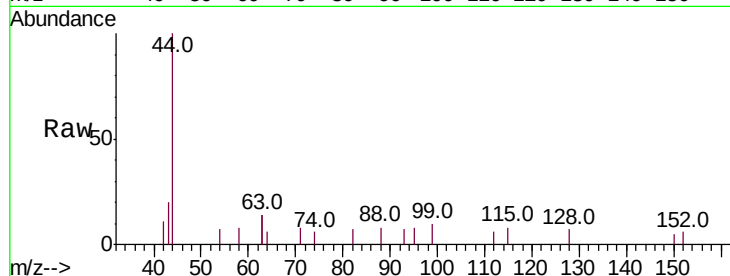
ClientSampleId :

EXT-008-SW114-061819DL

Tot Ion:	99	Resp:	137
Ion	Ratio	Lower	Upper
99	100		
42	0.0	11.2	16.8#
71	38.7	37.2	55.8

Manual Integrations
APPROVED

mohammad
7/3/2019 10:49:05 PM



#7

Naphthalene-d8

Concen: 0.400 ng

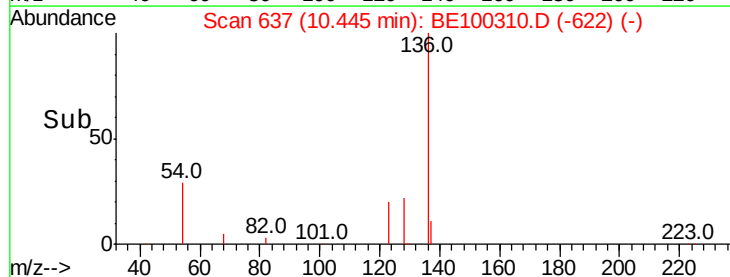
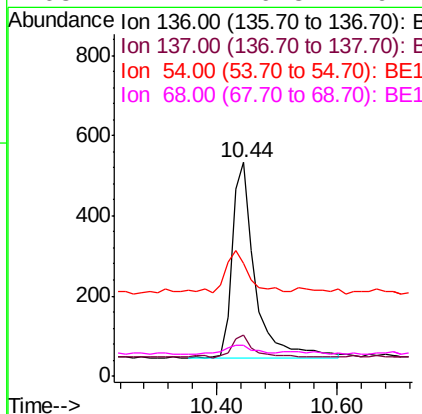
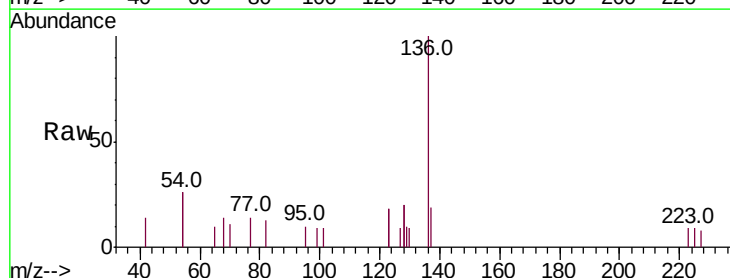
RT: 10.44 min Scan# 637

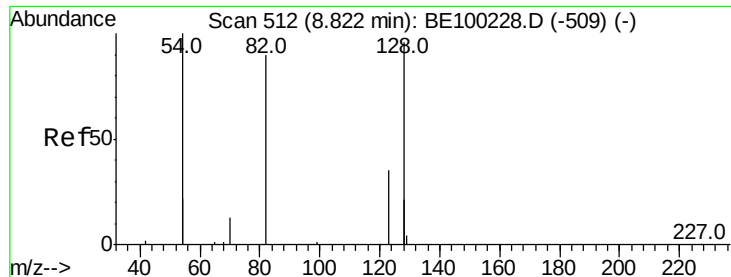
Delta R.T. -0.00 min

Lab File: BE100310.D

Acq: 2 Jul 2019 19:51

Tgt Ion:	136	Resp:	1282
Ion	Ratio	Lower	Upper
136	100		
137	18.9	11.8	17.8#
54	52.4	27.7	41.5#
68	14.4	6.8	10.2#





#8

Nitrobenzene-d5

Concen: 0.124 ng

RT: 8.83 min Scan# 513

Delta R.T. 0.01 min

Lab File: BE100310.D

Acq: 2 Jul 2019 19:51

Instrument :

BNA_E

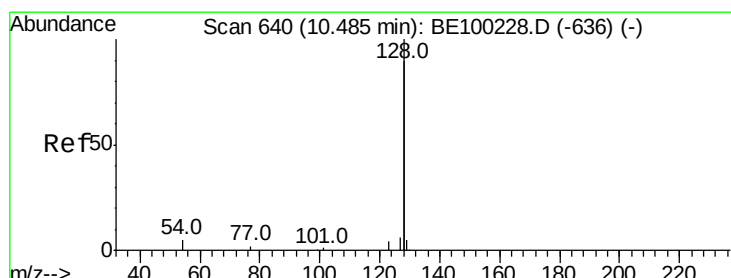
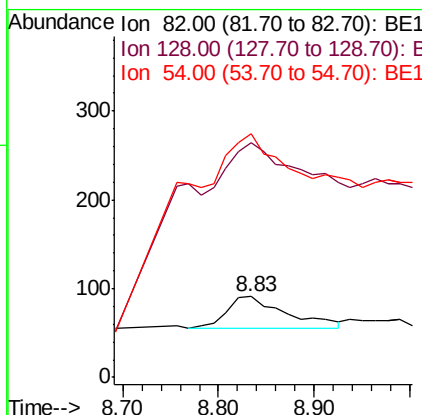
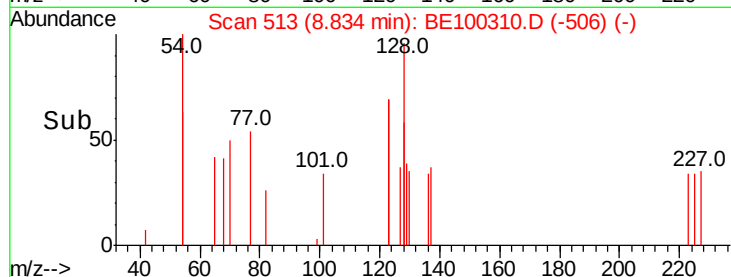
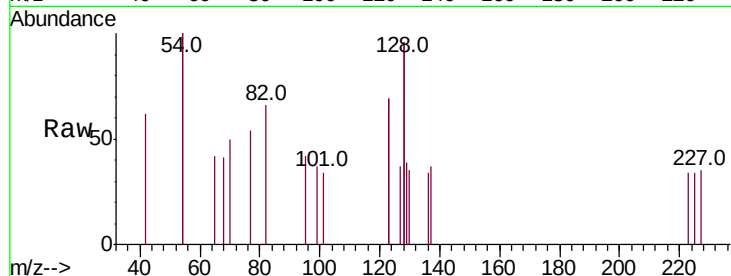
ClientSampleId :

EXT-008-SW114-061819DL

Tot Ion:	82	Resp:	158
Ion	Ratio	Lower	Upper
82	100		
128	290.1	140.9	211.3#
54	301.1	146.2	219.2#

Manual Integrations
APPROVED

mohammad
7/3/2019 10:49:05 PM



#9

Naphthalene

Concen: 0.146 ng

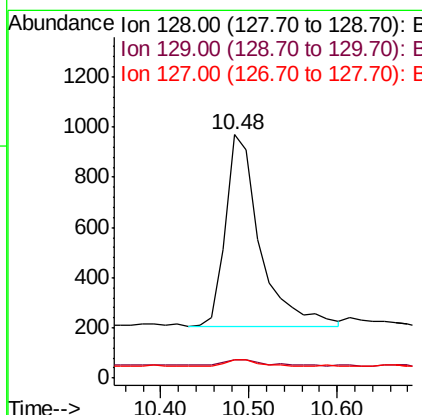
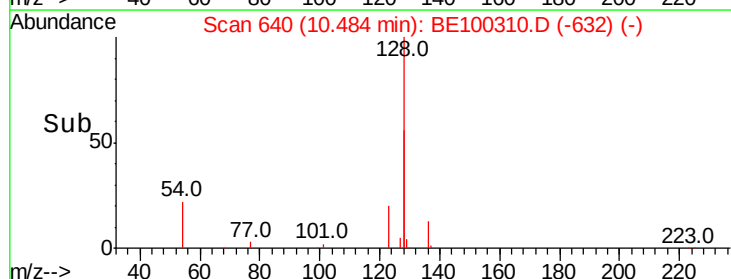
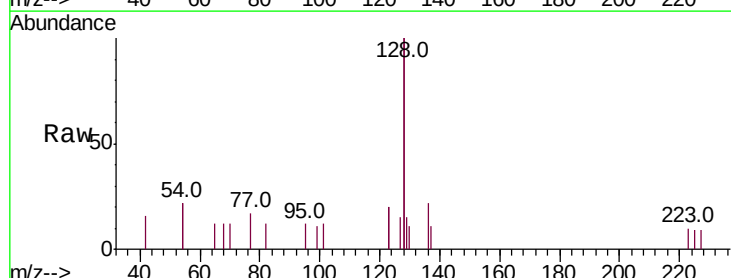
RT: 10.48 min Scan# 640

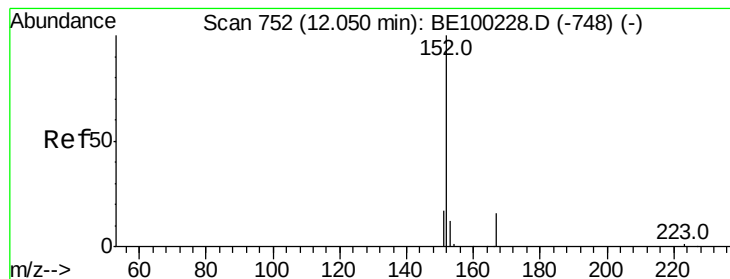
Delta R.T. -0.00 min

Lab File: BE100310.D

Acq: 2 Jul 2019 19:51

Tgt Ion:	128	Resp:	2059
Ion	Ratio	Lower	Upper
128	100		
129	7.6	3.0	4.6#
127	7.7	3.5	5.3#





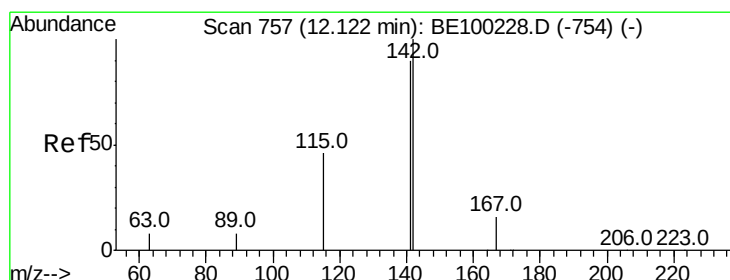
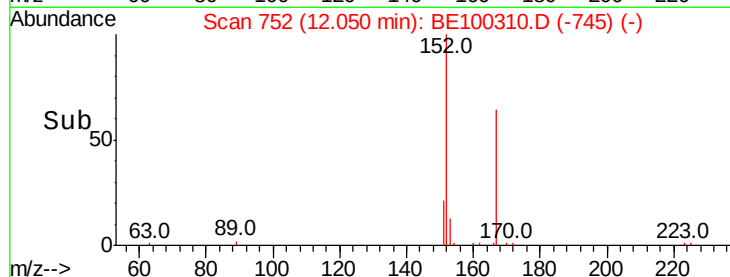
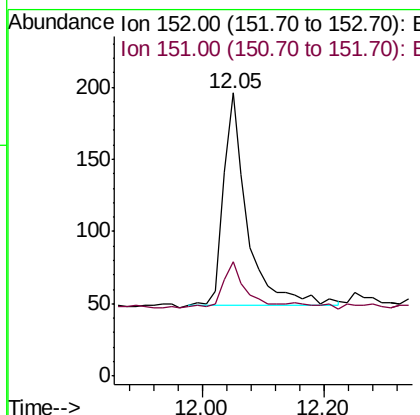
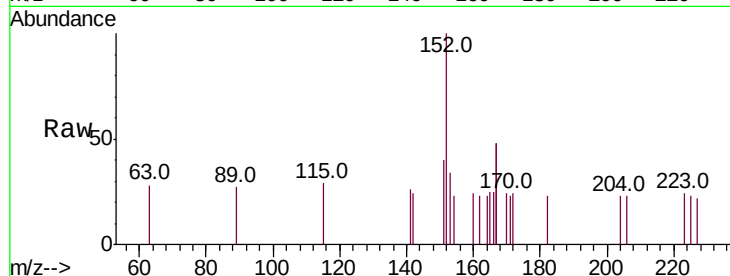
#11
2-Methylnaphthalene-d10
Concen: 0.166 ng
RT: 12.05 min Scan# 752
Delta R.T. -0.00 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.5	15.1	22.7

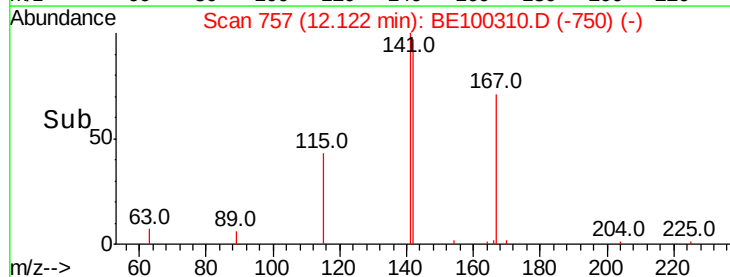
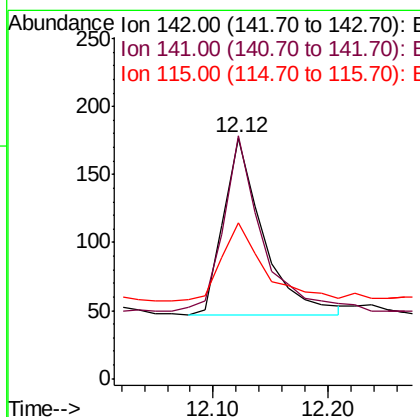
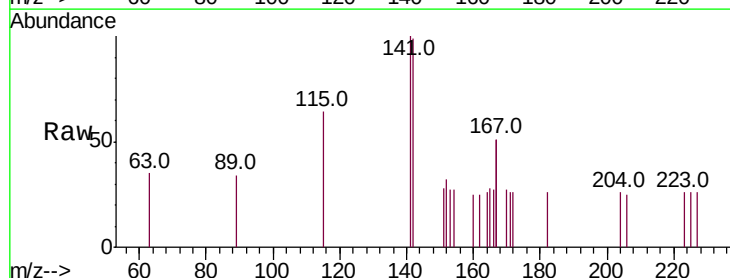
Manual Integrations
APPROVED

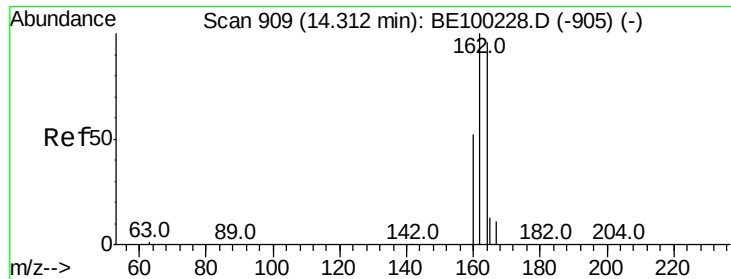
mohammad
7/3/2019 10:49:05 PM



#12
2-Methylnaphthalene
Concen: 0.126 ng
RT: 12.12 min Scan# 757
Delta R.T. -0.00 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	101.1	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: BE100310.D

Acq: 2 Jul 2019 19:51

Instrument :

BNA_E

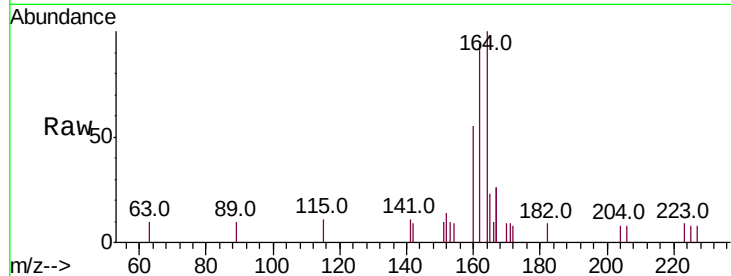
ClientSampleId :

EXT-008-SW114-061819DL

Tot Ion:	164	Resp:	1039
Ion	Ratio	Lower	Upper
164	100		
162	94.4	83.4	125.0
160	55.2	45.0	67.6

Manual Integrations
APPROVED

mohammad
7/3/2019 10:49:05 PM

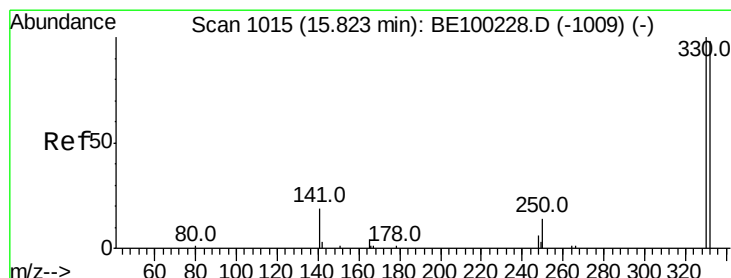
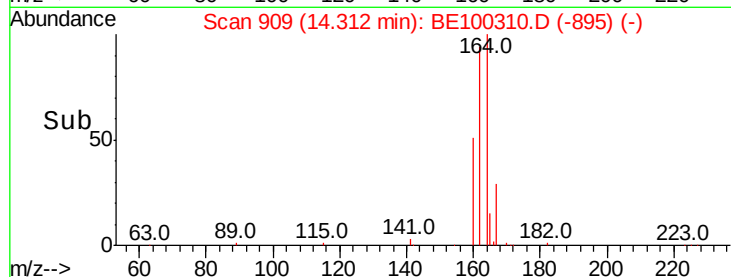
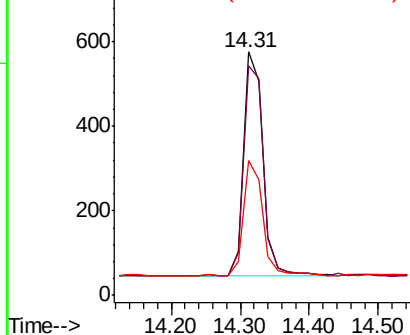


Abundance

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: 0.132 ng

RT: 15.82 min Scan# 1015

Delta R.T. -0.00 min

Lab File: BE100310.D

Acq: 2 Jul 2019 19:51

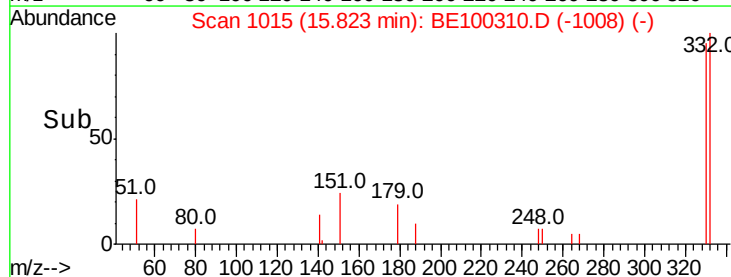
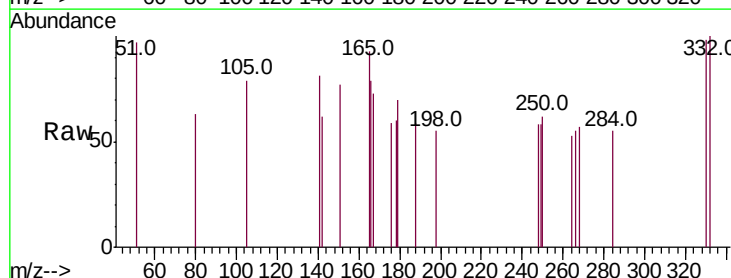
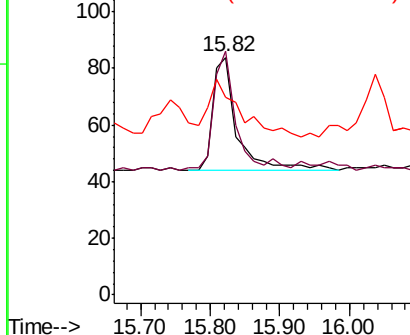
Tgt Ion:	330	Resp:	96
Ion	Ratio	Lower	Upper
330	100		
332	92.7	77.0	115.4
141	64.6	22.0	33.0#

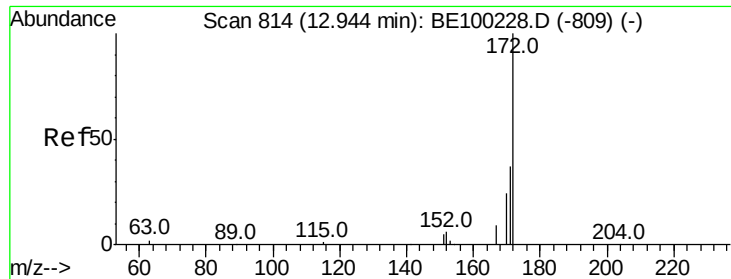
Abundance

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





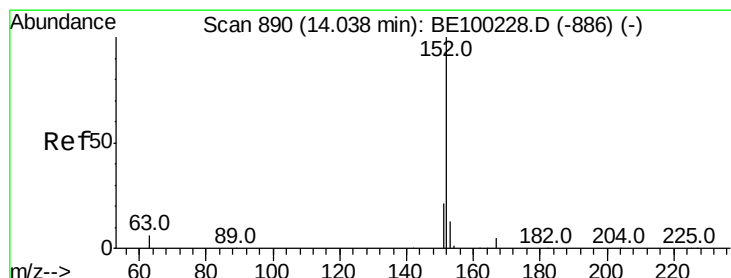
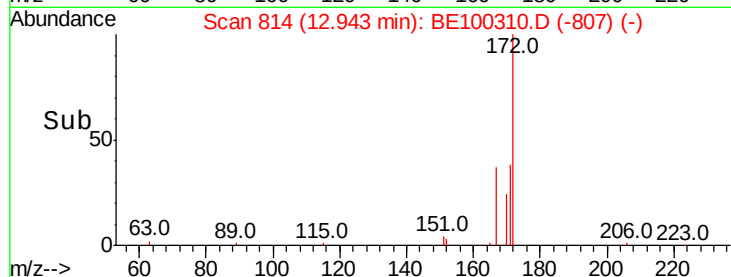
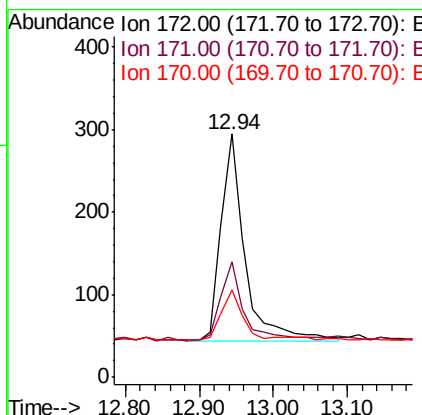
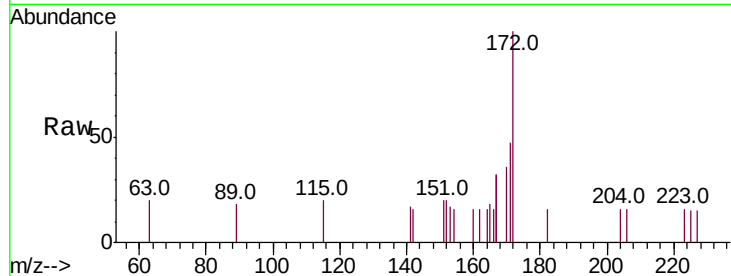
#15
2-Fluorobiphenyl
Concen: 0.139 ng
RT: 12.94 min Scan# 814
Delta R.T. -0.00 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	47.5	31.9	47.9
170	35.9	22.2	33.2

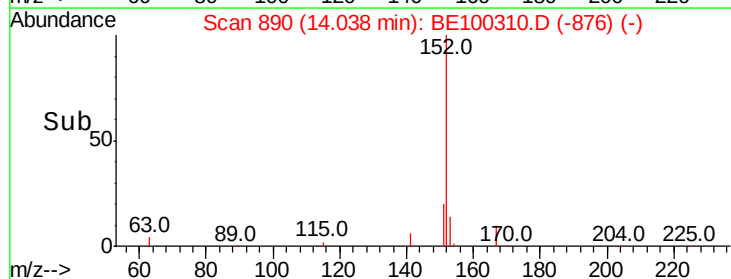
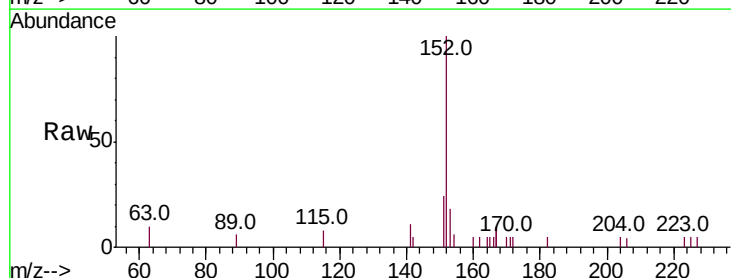
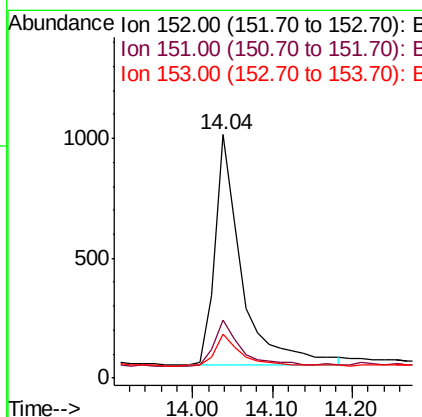
Manual Integrations
APPROVED

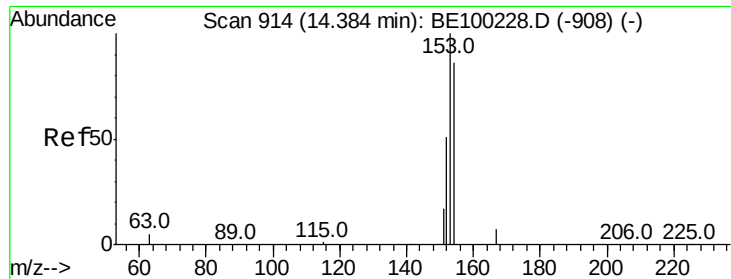
mohammad
7/3/2019 10:49:05 PM



#16
Acenaphthylene
Concen: 0.446 ng
RT: 14.04 min Scan# 890
Delta R.T. -0.00 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.6	25.0
153	13.3	10.5	15.7





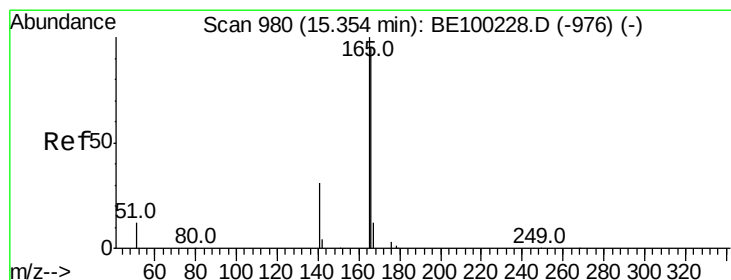
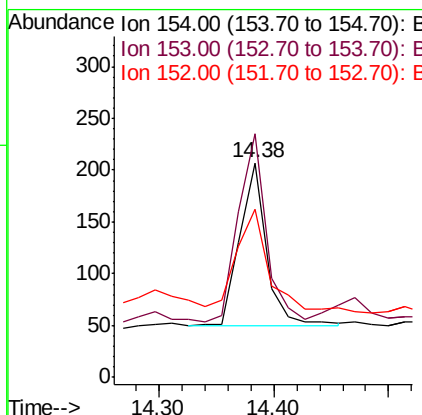
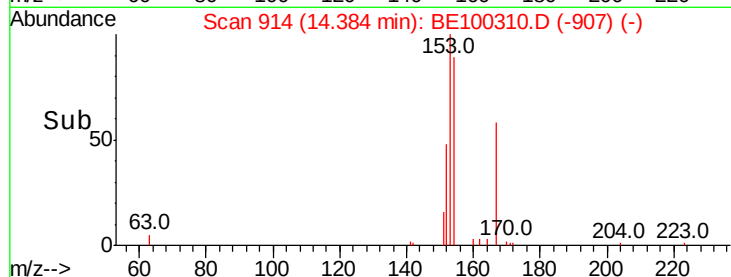
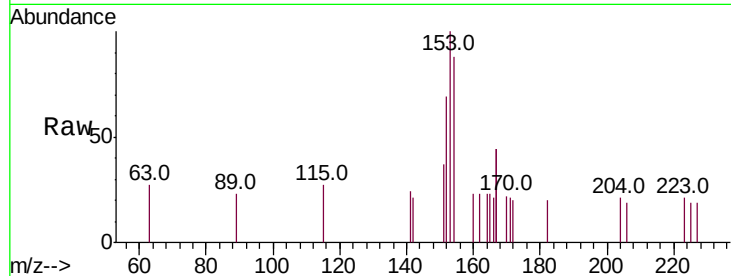
#17
Acenaphthene
Concen: 0.089 ng
RT: 14.38 min Scan# 914
Delta R.T. -0.00 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	122.2	93.4	140.2
152	75.0	49.4	74.2#

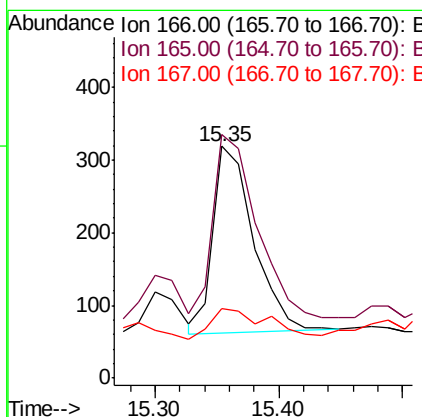
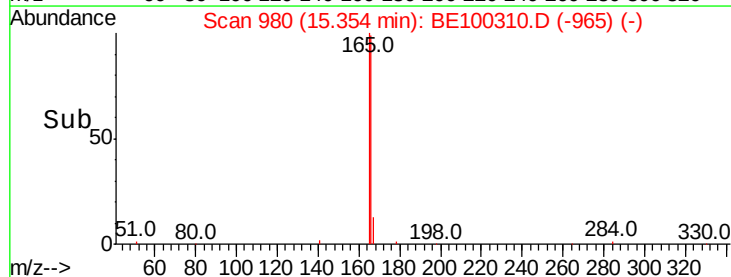
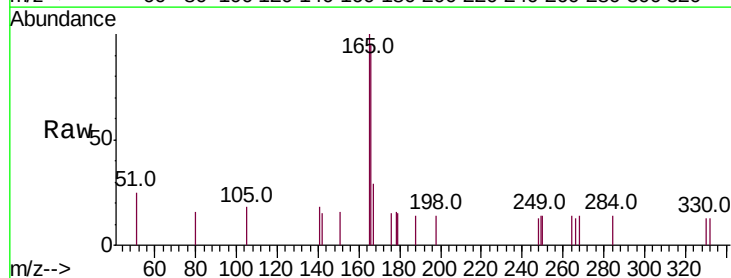
Manual Integrations
APPROVED

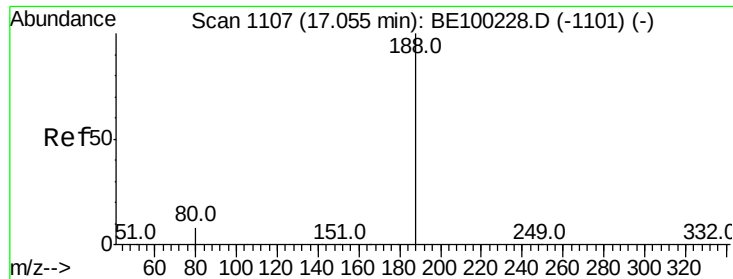
mohammad
7/3/2019 10:49:05 PM



#18
Fluorene
Concen: 0.139 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Tgt Ion	Ratio	Lower	Upper
166	100		
165	112.4	81.1	121.7
167	23.4	10.7	16.1#





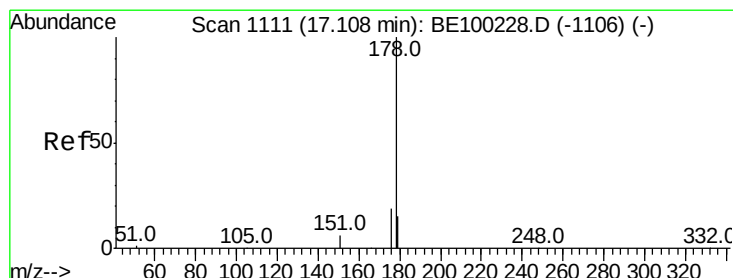
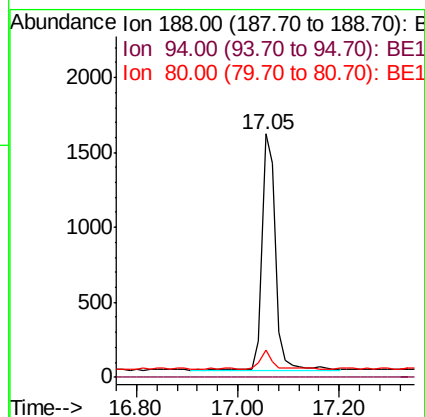
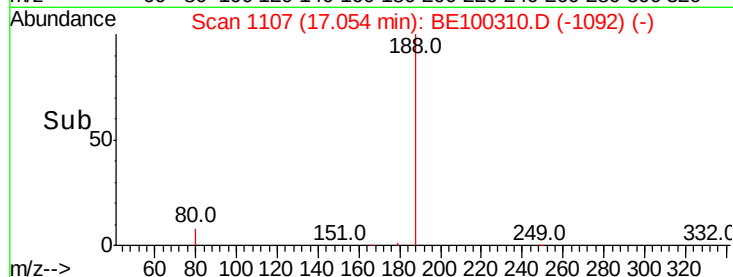
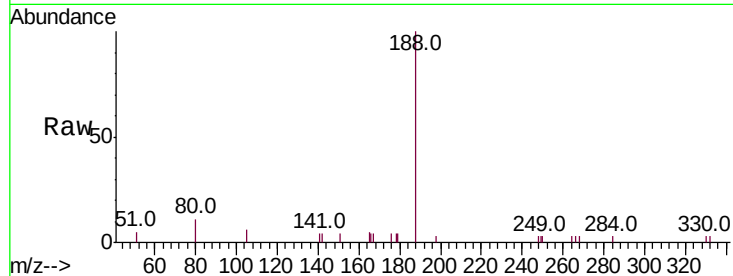
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	2917		
94	0.0	0.0	0.0	0.0
80	11.0	7.6	11.4	

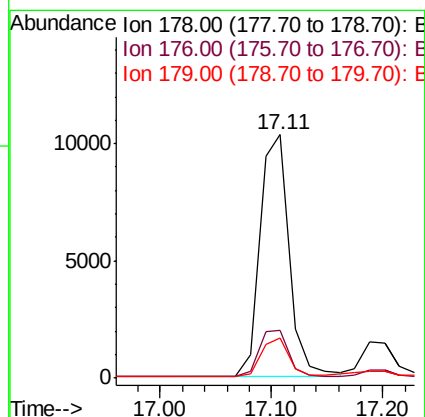
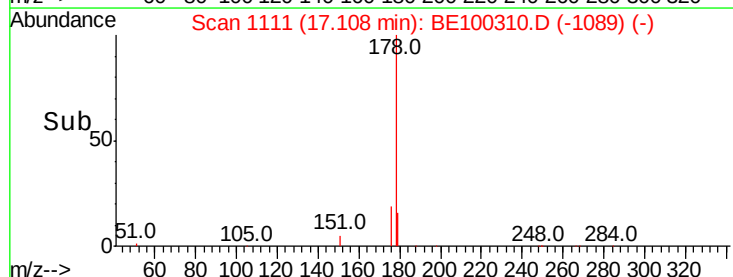
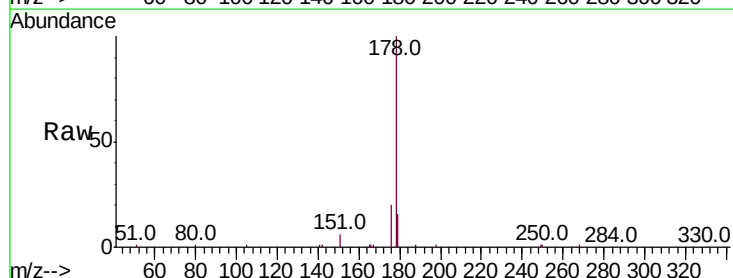
Manual Integrations
APPROVED

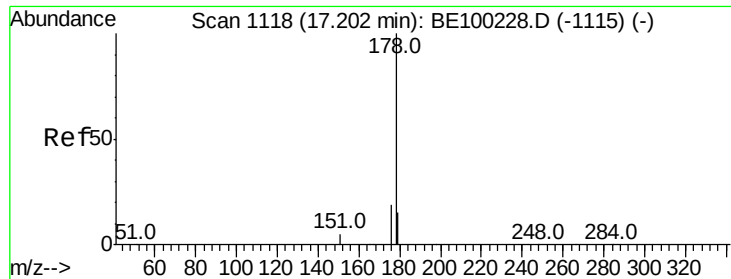
mohammad
7/3/2019 10:49:05 PM



#23
Phenanthrene
Concen: 2.674 ng
RT: 17.11 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	18903		
176	19.7	15.9	23.9	
179	15.5	12.2	18.2	





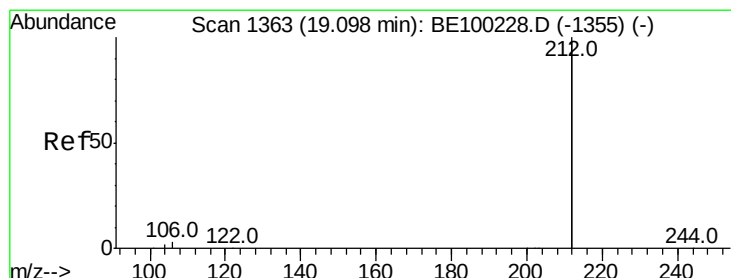
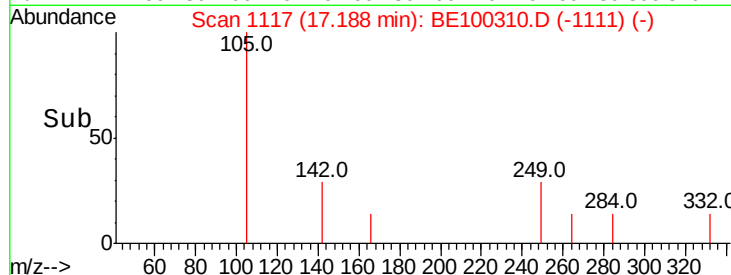
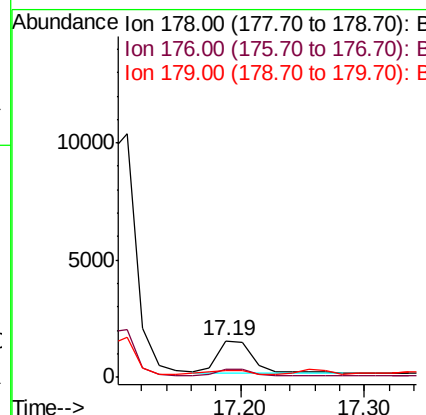
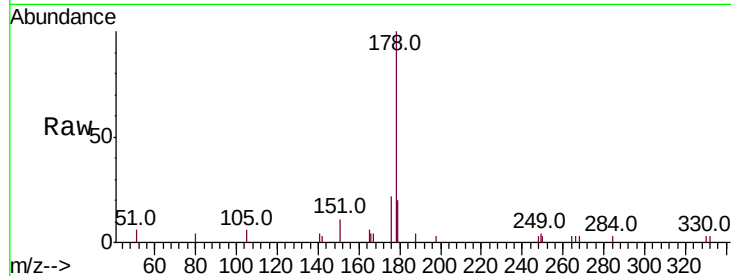
#24
 Anthracene
 Concen: 0.463 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BE100310.D
 Acq: 2 Jul 2019 19:51

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW114-061819DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.3	22.9
179	15.6	12.2	18.2

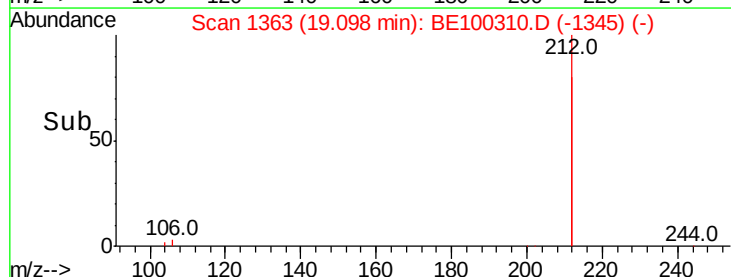
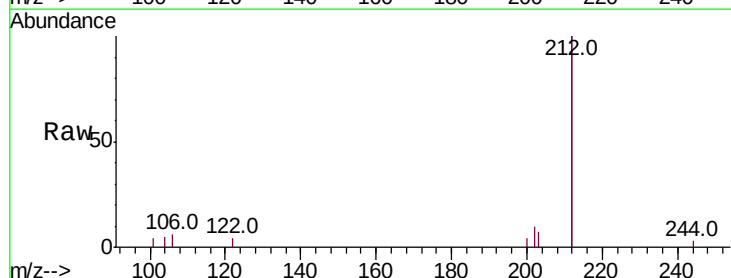
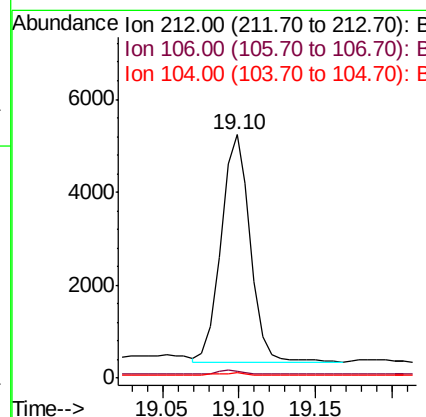
Manual Integrations
 APPROVED

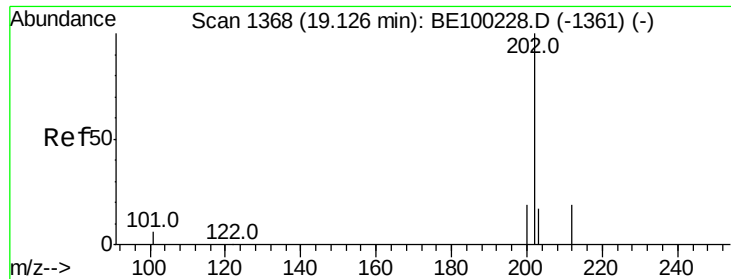
mohammad
 7/3/2019 10:49:05 PM



#25
 Fluoranthene-d10
 Concen: 0.153 ng
 RT: 19.10 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: BE100310.D
 Acq: 2 Jul 2019 19:51

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.5	1.3	1.9
104	1.1	0.8	1.2





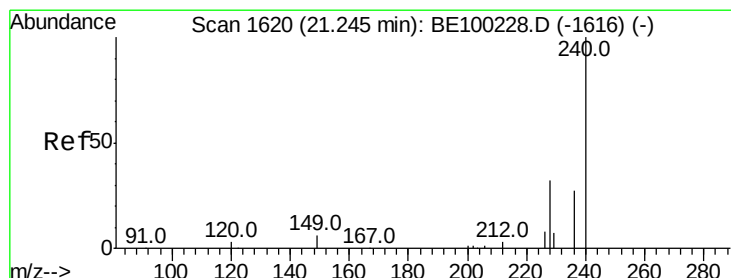
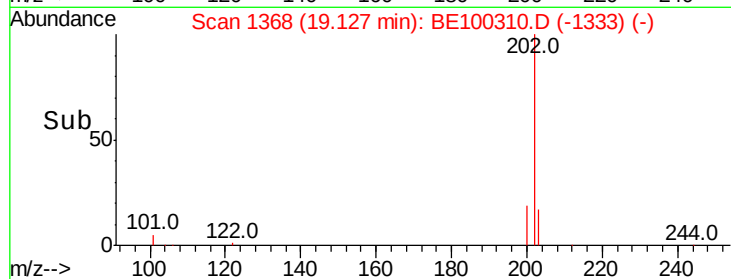
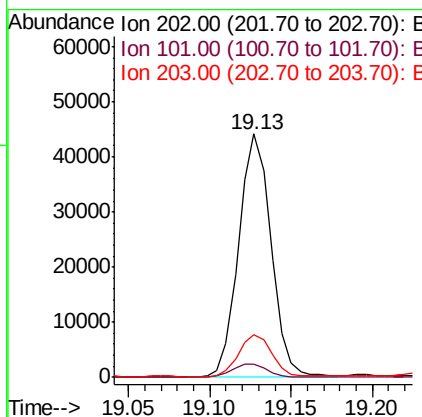
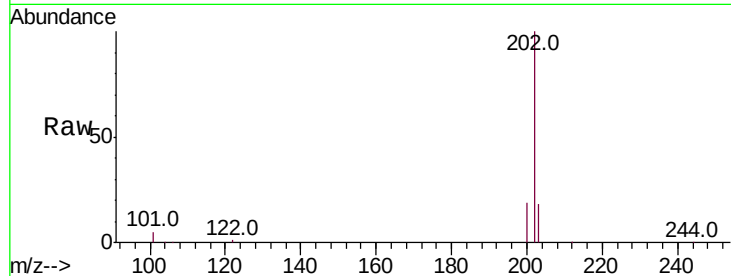
#26
 Fluoranthene
 Concen: 5.404 ng
 RT: 19.13 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: BE100310.D
 Acq: 2 Jul 2019 19:51

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW114-061819DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.5	4.6	7.0
203	17.5	13.7	20.5

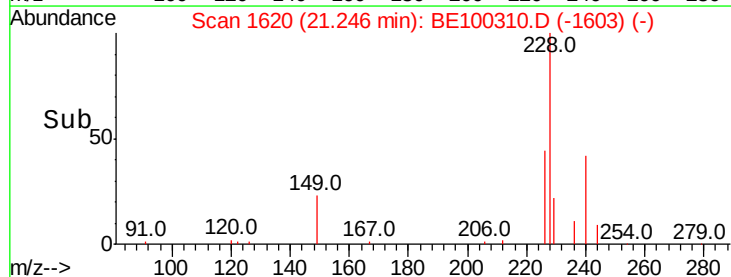
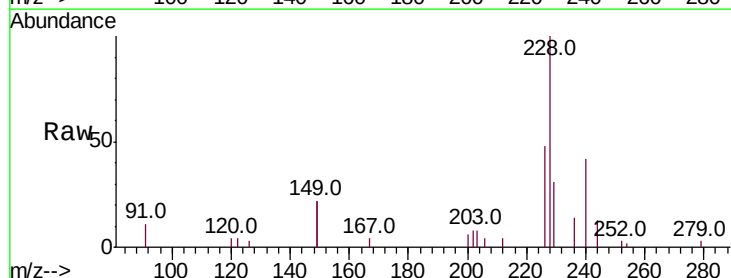
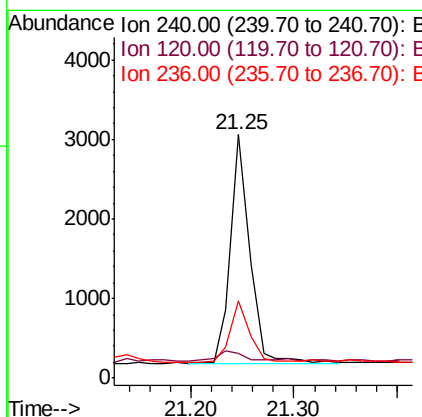
Manual Integrations
 APPROVED

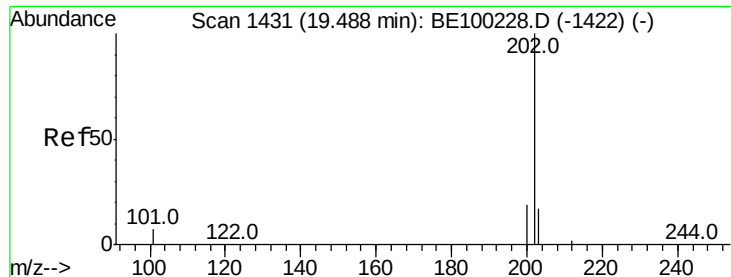
mohammad
 7/3/2019 10:49:05 PM



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100310.D
 Acq: 2 Jul 2019 19:51

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.4	3.3	4.9#
236	31.9	22.6	34.0





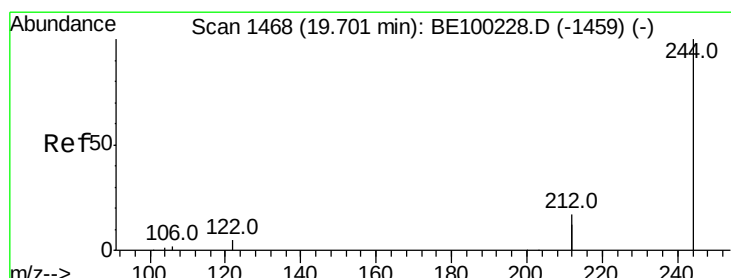
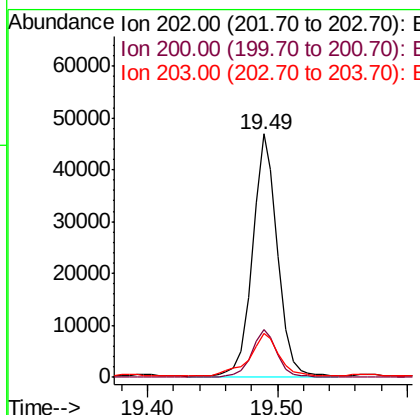
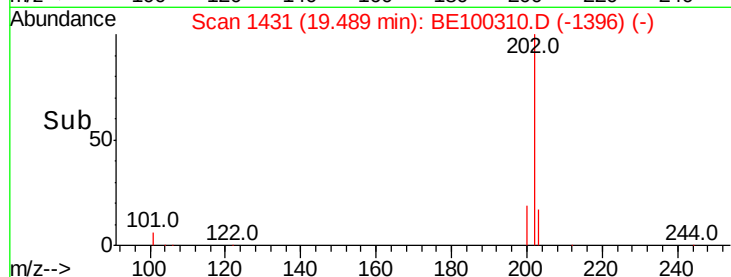
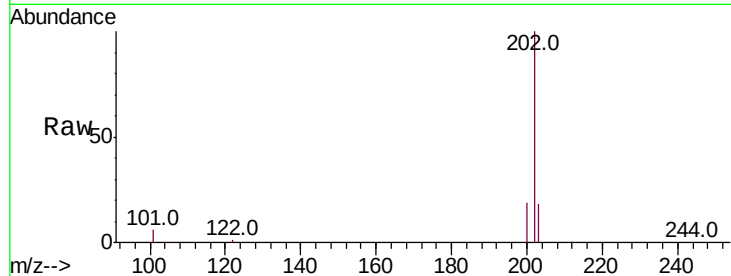
#28
Pvrene
Concen: 6.234 ng
RT: 19.49 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.5	15.6	23.4
203	20.7	14.0	21.0

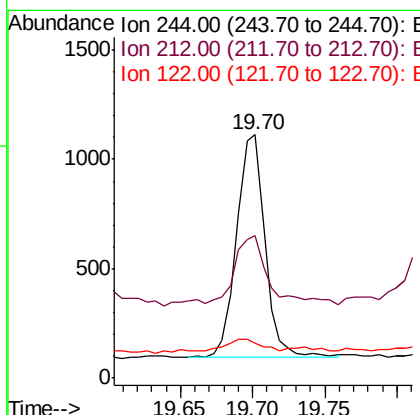
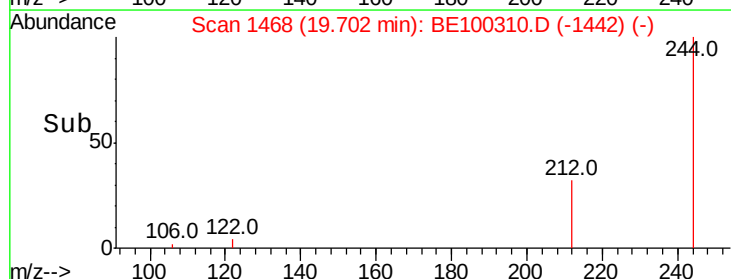
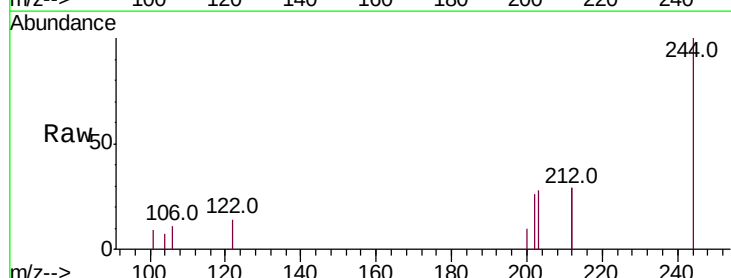
Manual Integrations
APPROVED

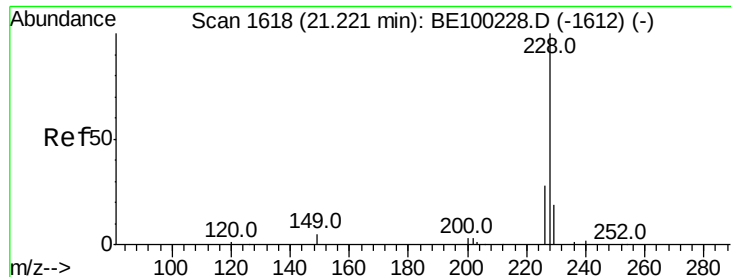
mohammad
7/3/2019 10:49:05 PM



#29
Terphenyl-d14
Concen: 0.180 ng
RT: 19.70 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Tgt Ion	Ratio	Lower	Upper
244	100		
212	58.8	27.3	40.9#
122	14.4	4.7	7.1#





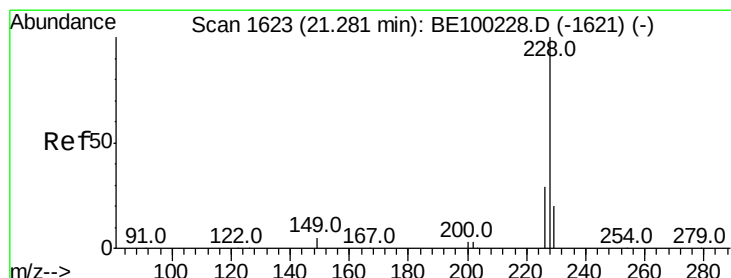
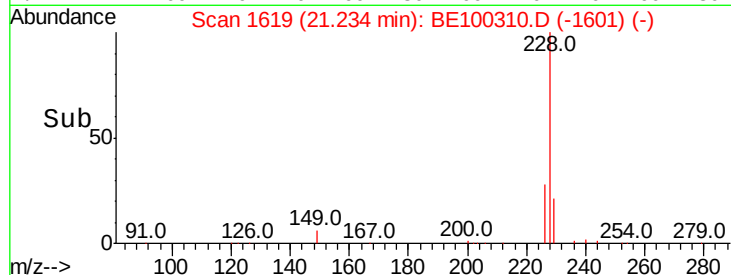
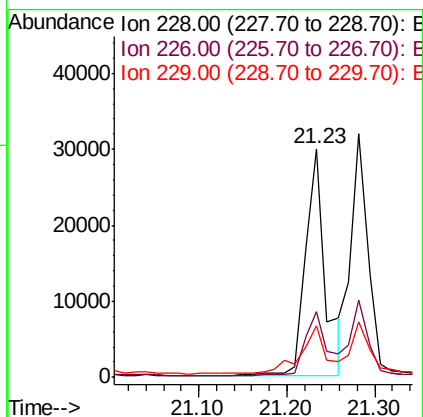
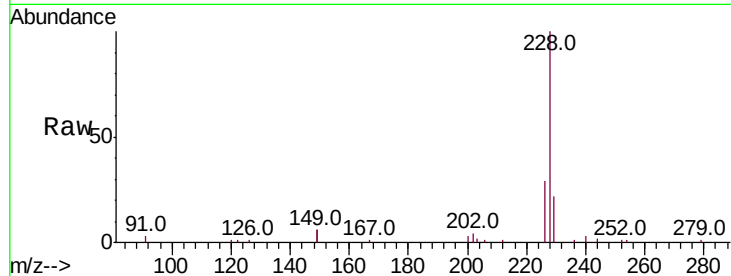
#30
Benzo(a)anthracene
Concen: 3.737 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.2	34.8
229	22.4	15.7	23.5

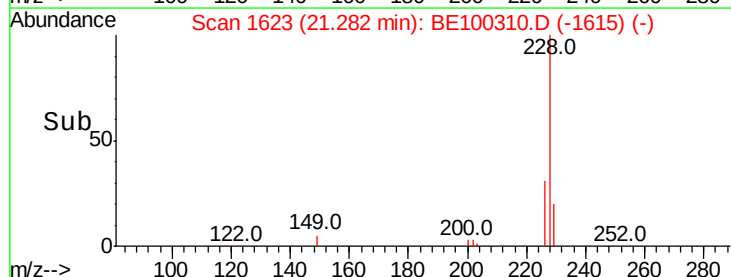
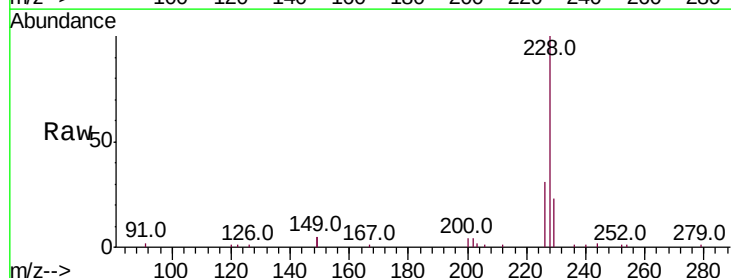
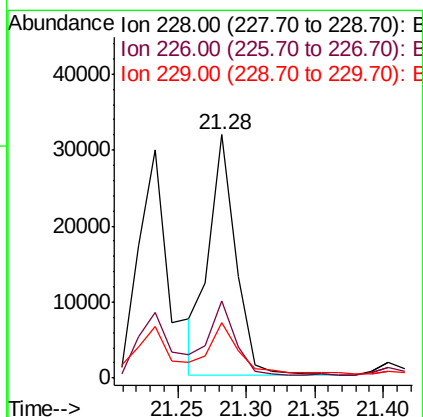
Manual Integrations
APPROVED

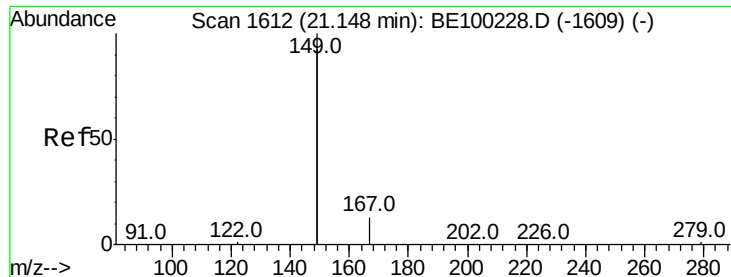
mohammad
7/3/2019 10:49:05 PM



#31
Chrysene
Concen: 3.404 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.9	35.9
229	22.6	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 1.129 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100310.D

Acq: 2 Jul 2019 19:51

Instrument :

BNA_E

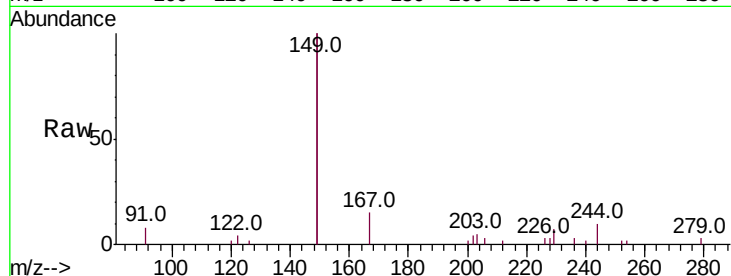
ClientSampleId :

EXT-008-SW114-061819DL

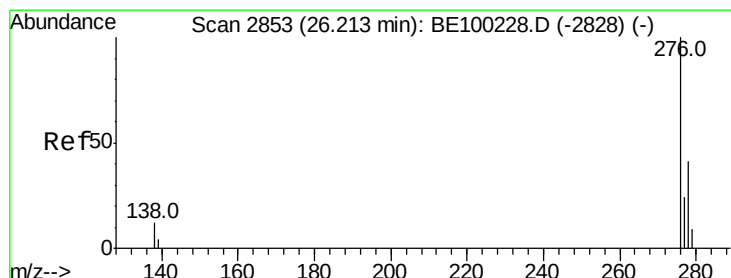
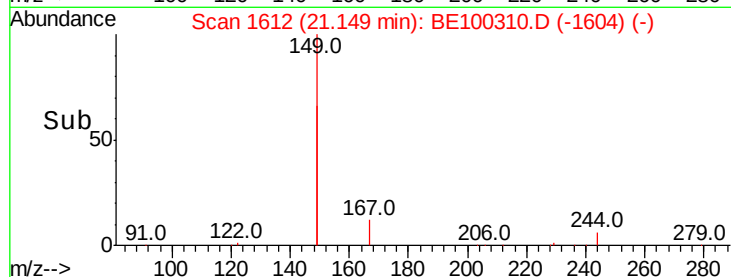
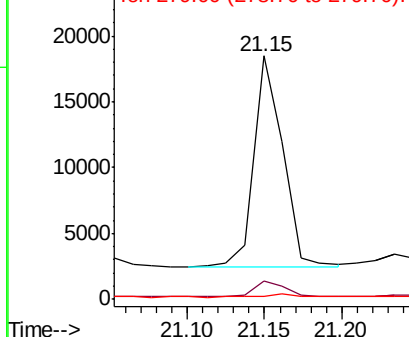
Tot Ion:	149	Resp:	20828
Ion Ratio	Lower	Upper	
149	100		
167	7.6	5.8	8.8
279	1.9	1.1	1.7#

Manual Integrations
APPROVED

mohammad
7/3/2019 10:49:05 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: 1.763 ng

RT: 26.23 min Scan# 2858

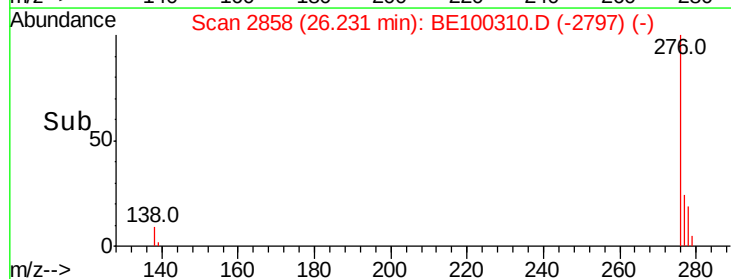
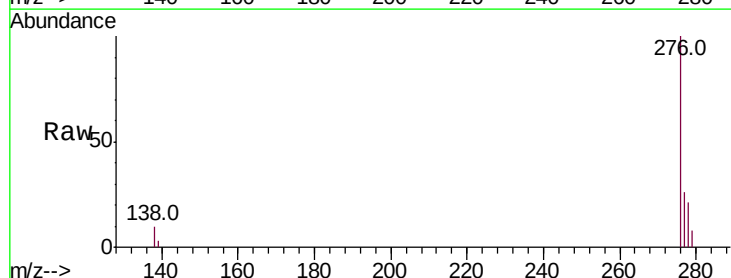
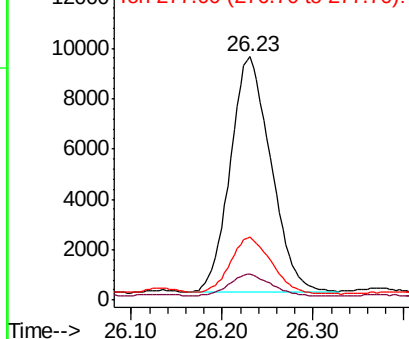
Delta R.T. 0.02 min

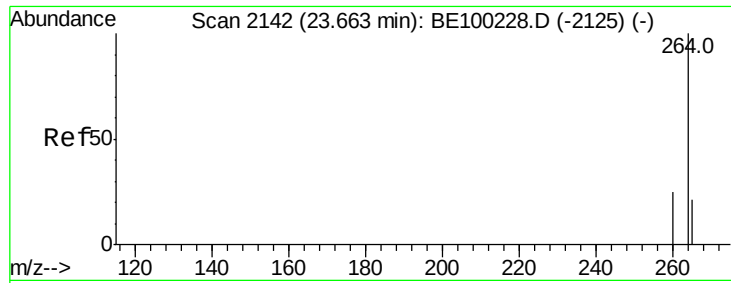
Lab File: BE100310.D

Acq: 2 Jul 2019 19:51

Tgt Ion:	276	Resp:	29065
Ion Ratio	Lower	Upper	
276	100		
138	9.5	9.4	14.0
277	24.6	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





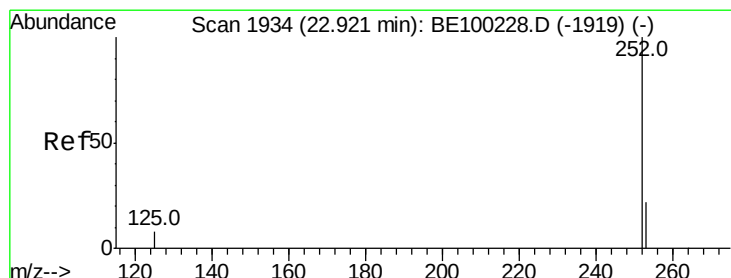
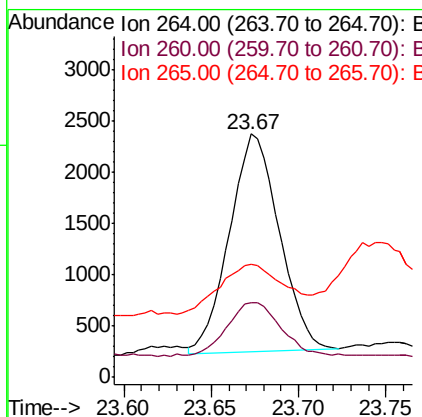
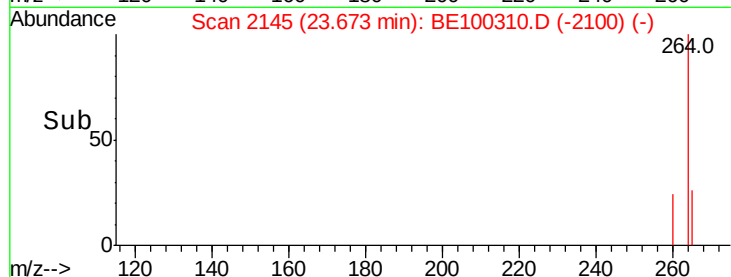
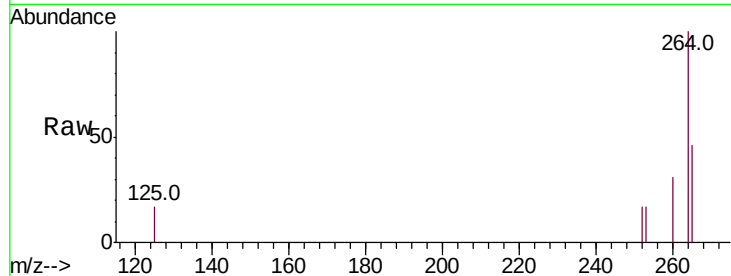
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 2145
Delta R.T. 0.01 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	30.7	20.8	31.2
265	46.3	21.8	32.6

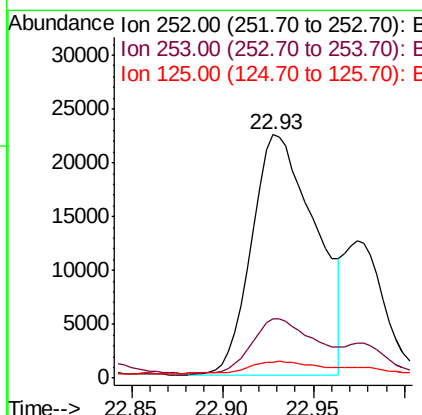
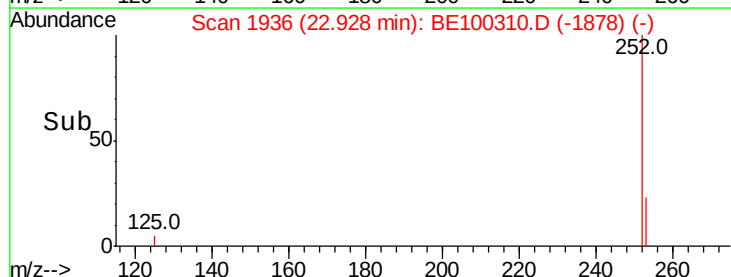
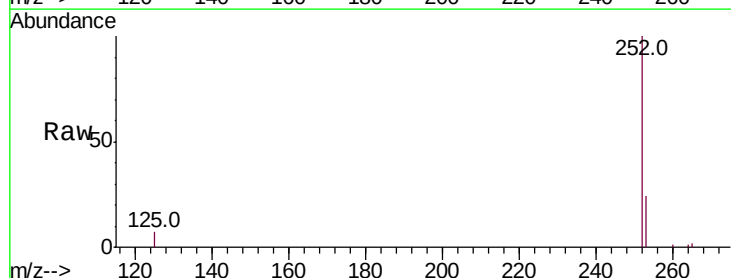
Manual Integrations
APPROVED

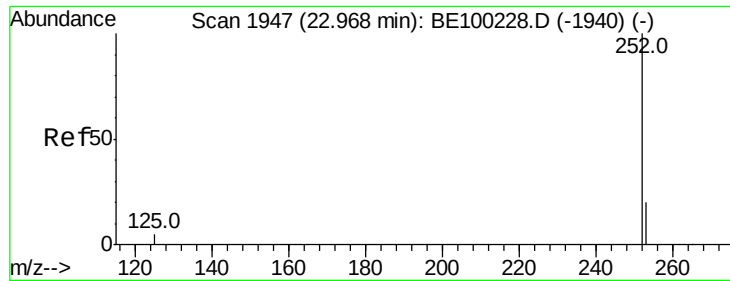
mohammad
7/3/2019 10:49:05 PM



#35
Benzo(b)fluoranthene
Concen: 4.773 ng
RT: 22.93 min Scan# 1936
Delta R.T. 0.01 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.2	28.8
125	6.7	7.4	11.0





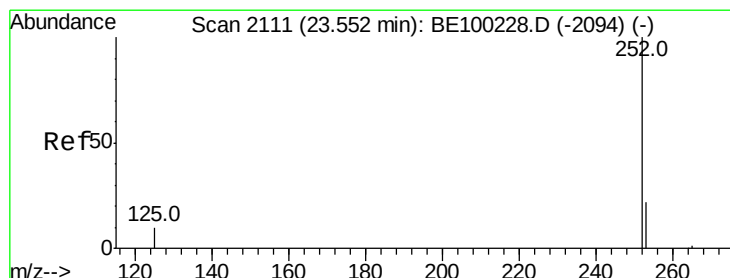
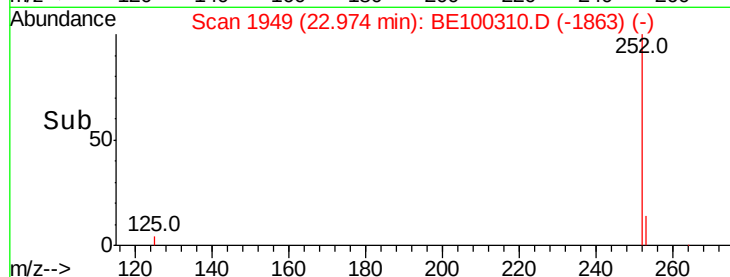
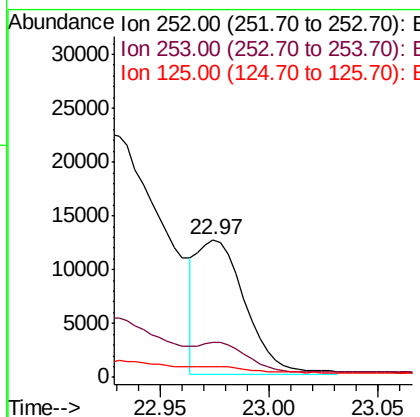
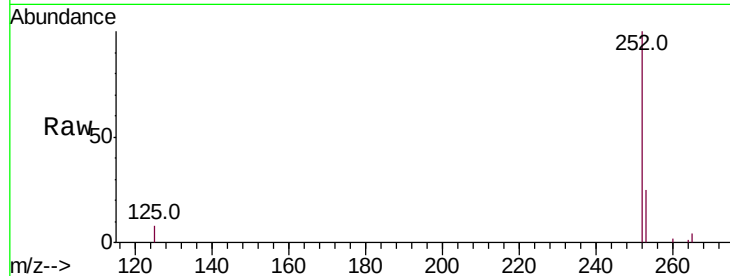
#36
Benzo(k)fluoranthene
Concen: 1.521 ng m
RT: 22.97 min Scan# 1949
Delta R.T. 0.01 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.9	26.9
125	7.8	5.0	7.4

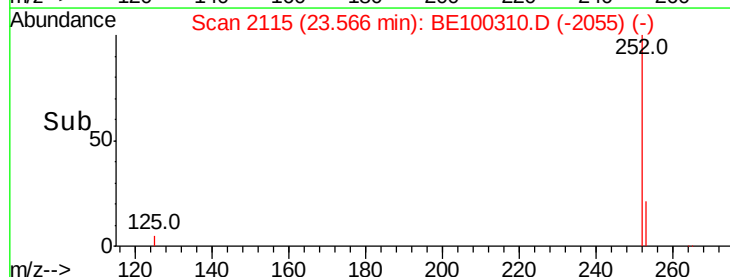
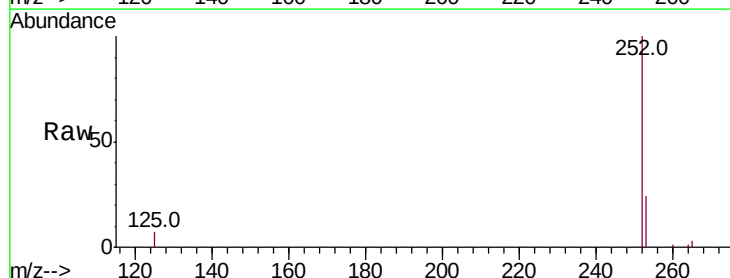
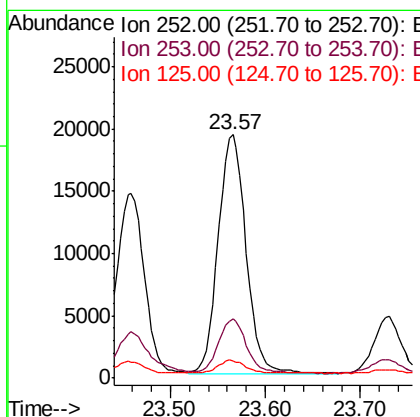
Manual Integrations
APPROVED

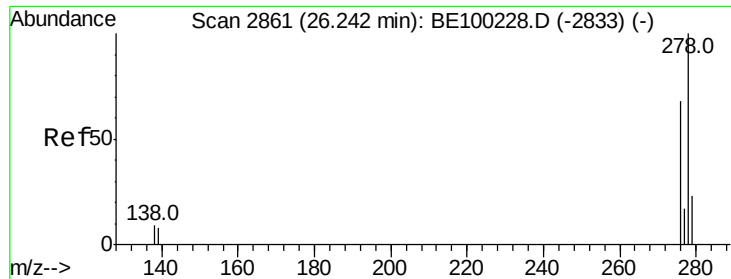
mohammad
7/3/2019 10:49:05 PM



#37
Benzo(a)pyrene
Concen: 3.381 ng
RT: 23.57 min Scan# 2115
Delta R.T. 0.01 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.6	29.4
125	7.2	9.0	13.6





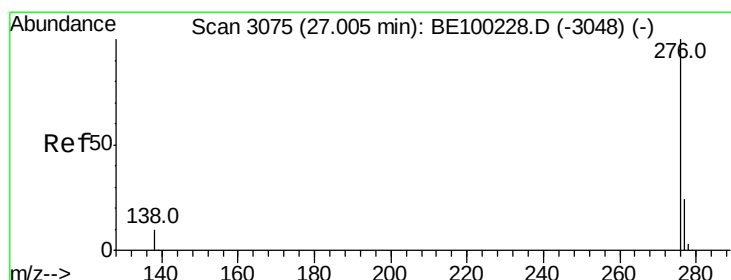
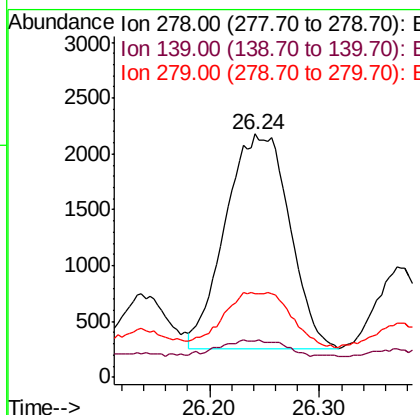
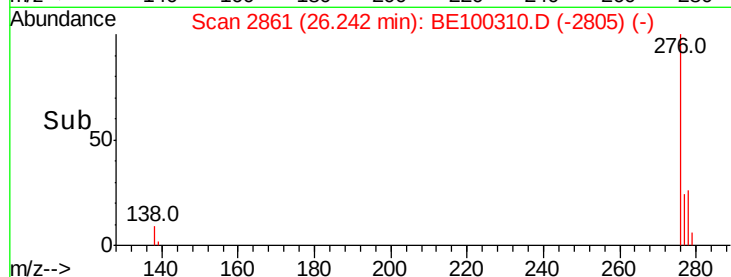
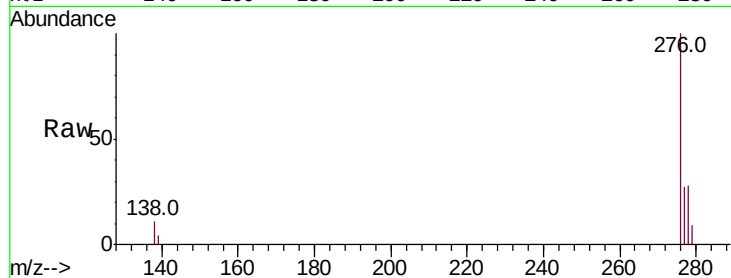
#38
Dibenzo(a,h)anthracene
Concen: 0.649 ng
RT: 26.24 min Scan# 2861
Delta R.T. -0.00 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.8	8.2	12.2#
279	34.1	20.3	30.5#

Manual Integrations
APPROVED

mohammad
7/3/2019 10:49:05 PM



#39
Benzo(g,h,i)perylene
Concen: 2.482 ng
RT: 27.02 min Scan# 3080
Delta R.T. 0.02 min
Lab File: BE100310.D
Acq: 2 Jul 2019 19:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	20.2	30.2
138	10.8	9.0	13.6

