

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
 Data File : BE100280.D
 Acq On : 2 Jul 2019 1:08
 Operator : JU/SJ
 Sample : K3445-20
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW110-061719

Manual Integrations
 APPROVED

mohammad
 7/3/2019 9:48:23 AM

Quant Time: Jul 02 04:06:19 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	7.63	152	957	0.40	ng	-0.01
7) Naphthalene-d8	10.43	136	3385	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2642	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	7288	0.40	ng	0.00
27) Chrysene-d12	21.24	240	9545	0.40	ng	0.00
34) Perylene-d12	23.67	264	12050	0.40	ng	0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.21	112	459	0.19	ng	0.00
5) Phenol-d6	6.83	99	696	0.22	ng	-0.01
8) Nitrobenzene-d5	8.81	82	648	0.19	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	2193	0.34	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	401	0.22	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	2041	0.20	ng	-0.01
25) Fluoranthene-d10	19.10	212	33288	0.31	ng	0.00
29) Terphenyl-d14	19.70	244	5212	0.26	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.48	128	15320	0.410	ng	99
12) 2-Methylnaphthalene	12.11	142	3004	0.459	ng	98
16) Acenaphthylene	14.04	152	15300	1.207	ng	98
17) Acenaphthene	14.38	154	7025	0.978	ng	99
18) Fluorene	15.35	166	10197	0.960	ng	# 92
23) Phenanthrene	17.10	178	202813	11.482	ng	100
24) Anthracene	17.19	178	44010	2.767	ng	96
26) Fluoranthene	19.13	202	491406	17.466	ng	98
28) Pyrene	19.49	202	532002	21.052	ng	# 95
30) Benzo(a)anthracene	21.23	228	384056	12.237	ng	98
31) Chrysene	21.28	228	365974	11.613	ng	98
32) Bis(2-ethylhexyl)phthalate	21.15	149	72056	1.567	ng	99
33) Indeno(1,2,3-cd)pyrene	26.24	276	219374	5.263	ng	# 97
35) Benzo(b)fluoranthene	22.93	252	418316	12.804	ng	# 95
36) Benzo(k)fluoranthene	22.98	252	148299m	4.067	ng	
37) Benzo(a)pyrene	23.57	252	294282	8.988	ng	# 93
38) Dibenzo(a,h)anthracene	26.25	278	58723	1.717	ng	95
39) Benzo(a,h,i)perylene	27.04	276	235639	6.708	ng	98

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

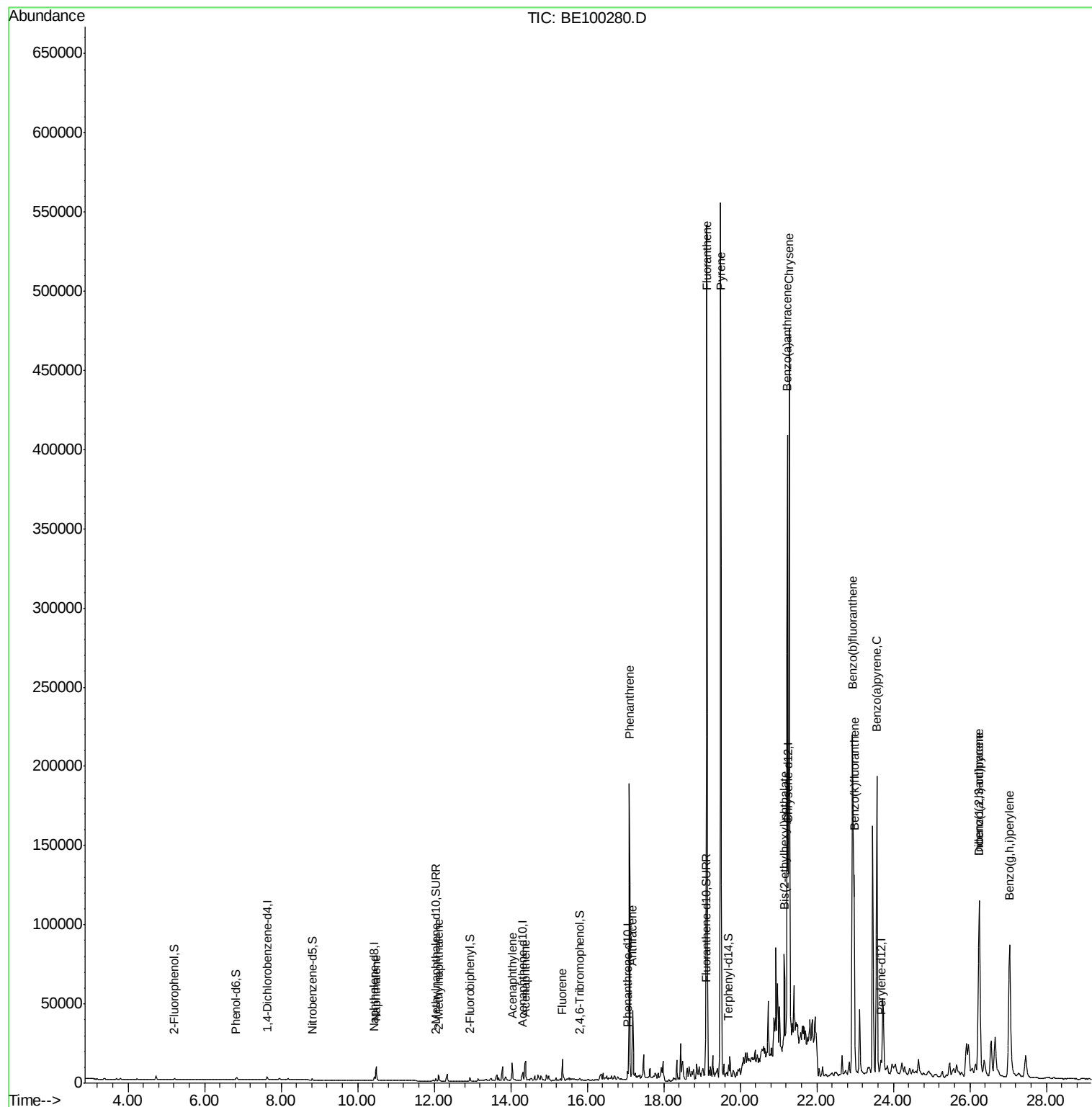
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
Data File : BE100280.D
Acq On : 2 Jul 2019 1:08
Operator : JU/SJ
Sample : K3445-20
Misc :
ALS Vial : 21 Sample Multiplier: 1

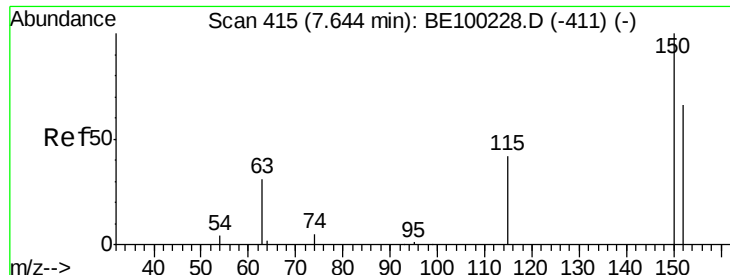
Instrument :
BNA_E
ClientSampleId :
EXT-008-SW110-061719

Manual Integrations
APPROVED

mohammad
7/3/2019 9:48:23 AM

Quant Time: Jul 02 04:06:19 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





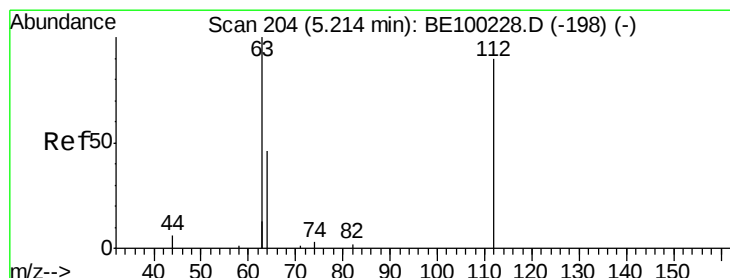
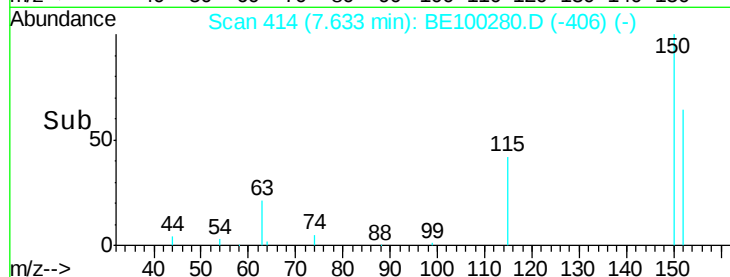
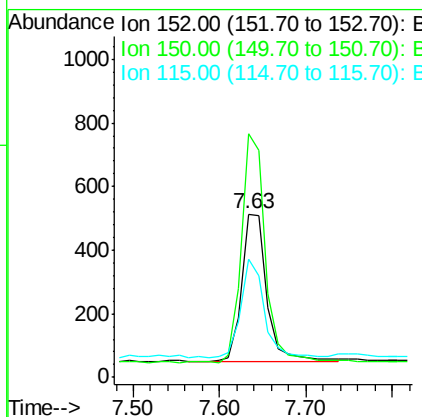
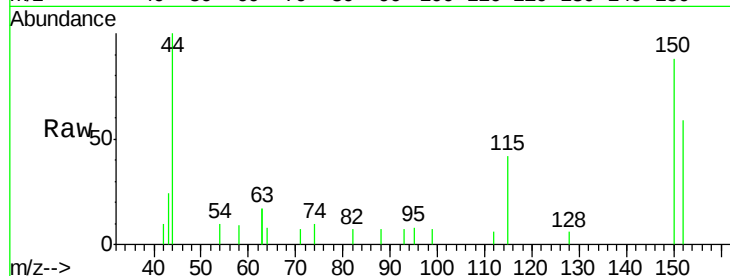
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.63 min Scan# 414
 Delta R.T. -0.01 min
 Lab File: BE100280.D
 Acq: 2 Jul 2019 1:08

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW110-061719

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.0	114.5	171.7
115	72.0	57.1	85.7

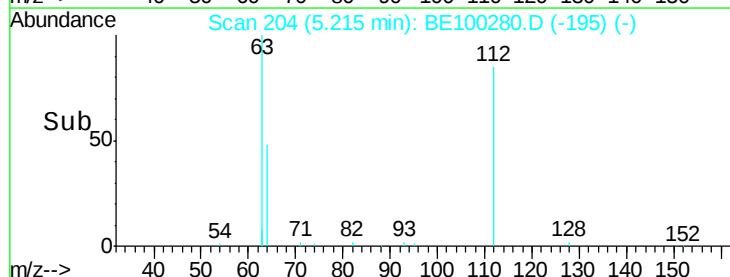
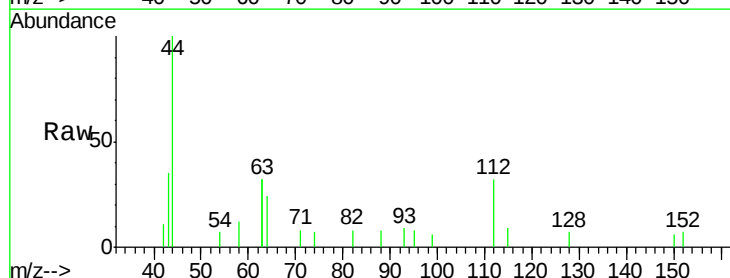
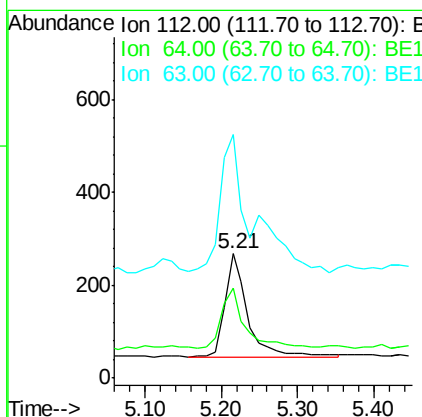
Manual Integrations
 APPROVED

mohammad
 7/3/2019 9:48:23 AM



#4
 2-Fluorophenol
 Concen: 0.188 ng
 RT: 5.21 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: BE100280.D
 Acq: 2 Jul 2019 1:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.1	39.4	59.0#
63	123.1	104.5	156.7





#5

Phenol-d6

Concen: 0.217 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100280.D

Acq: 2 Jul 2019 1:08

Instrument :

BNA_E

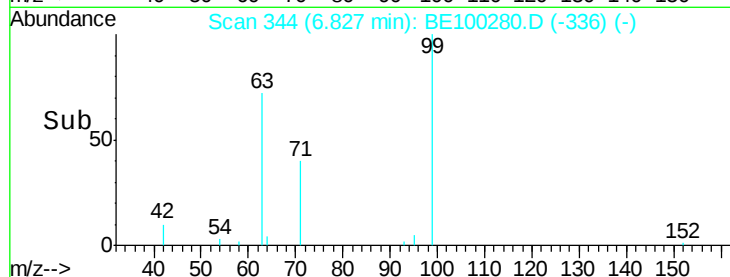
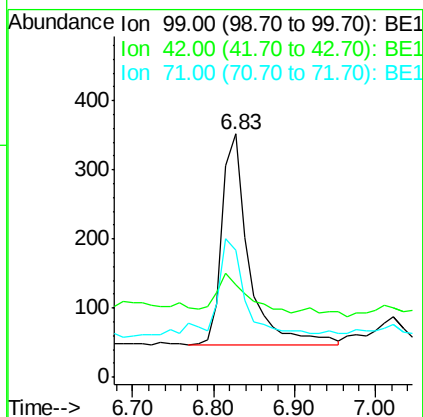
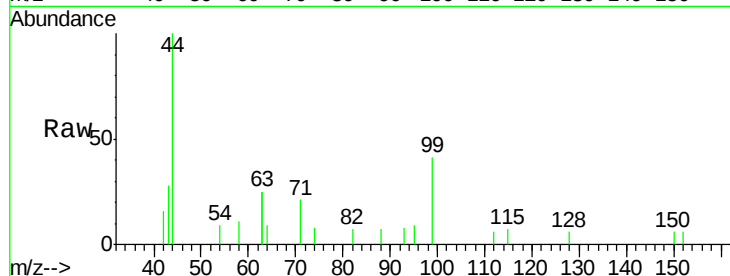
ClientSampleId :

EXT-008-SW110-061719

Tot Ion:	99	Resp:	696
Ion	Ratio	Lower	Upper
99	100		
42	20.3	11.2	16.8#
71	43.8	37.2	55.8

Manual Integrations
APPROVED

mohammad
7/3/2019 9:48:23 AM



#7

Naphthalene-d8

Concen: 0.400 ng

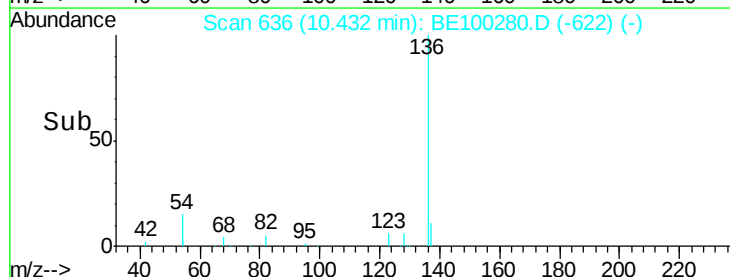
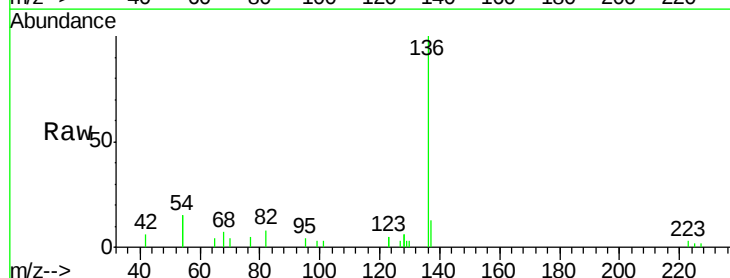
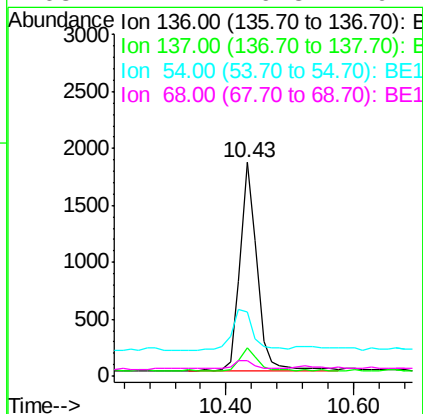
RT: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100280.D

Acq: 2 Jul 2019 1:08

Tgt Ion:	136	Resp:	3385
Ion	Ratio	Lower	Upper
136	100		
137	12.9	11.8	17.8
54	29.9	27.7	41.5
68	7.2	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.193 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100280.D

Acq: 2 Jul 2019 1:08

Instrument :

BNA_E

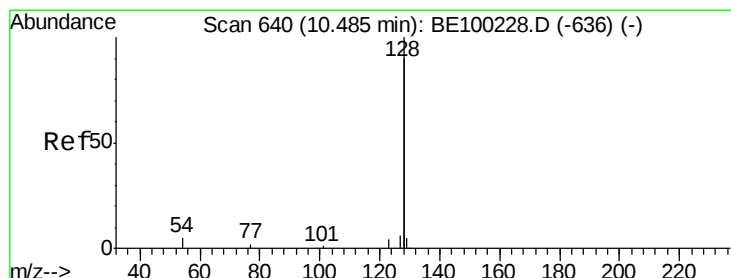
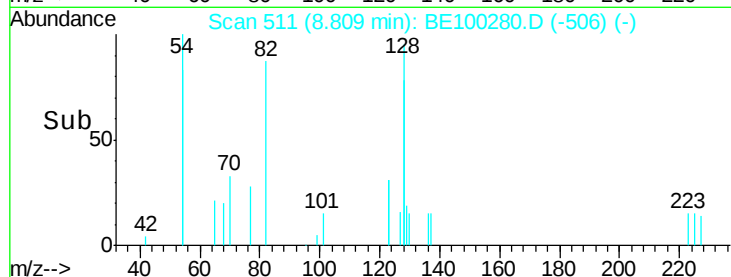
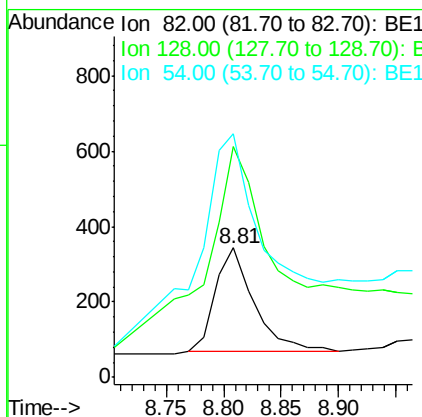
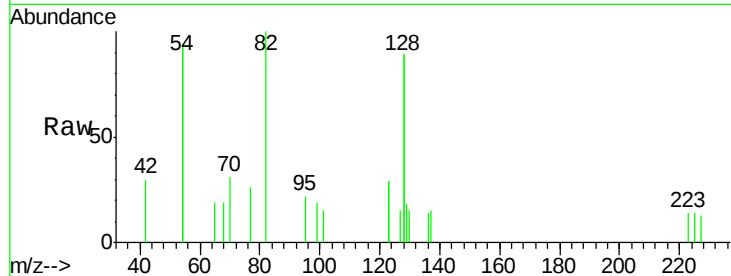
ClientSampleId :

EXT-008-SW110-061719

Tot Ion:	82	Resp:	648
Ion	Ratio	Lower	Upper
82	100		
128	177.9	140.9	211.3
54	187.8	146.2	219.2

Manual Integrations
APPROVED

mohammad
7/3/2019 9:48:23 AM



#9

Naphthalene

Concen: 0.410 ng

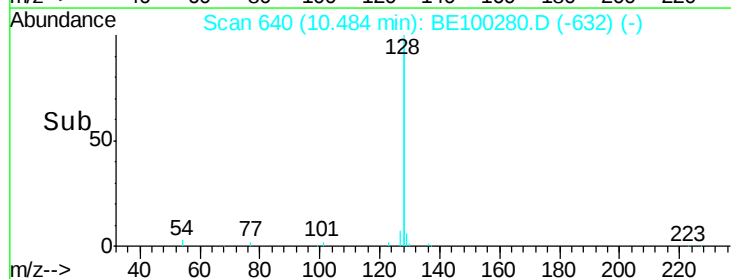
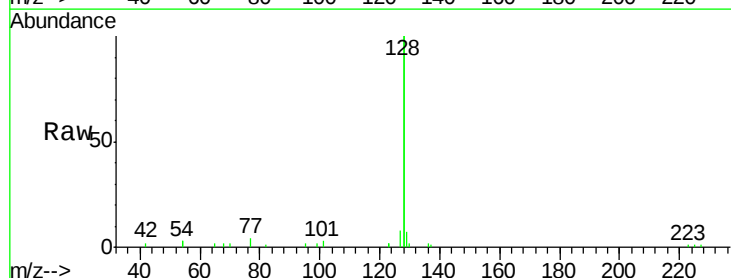
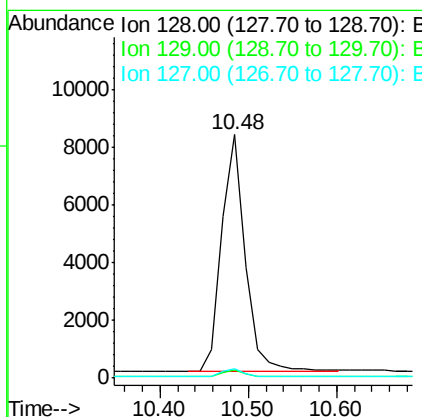
RT: 10.48 min Scan# 640

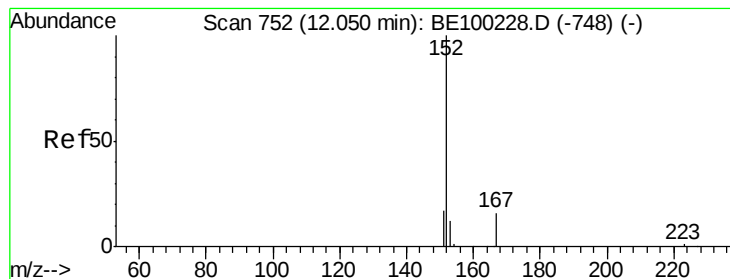
Delta R.T. -0.00 min

Lab File: BE100280.D

Acq: 2 Jul 2019 1:08

Tgt Ion:	128	Resp:	15320
Ion	Ratio	Lower	Upper
128	100		
129	3.5	3.0	4.6
127	3.9	3.5	5.3





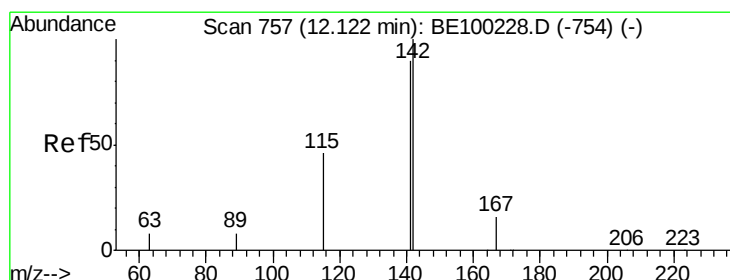
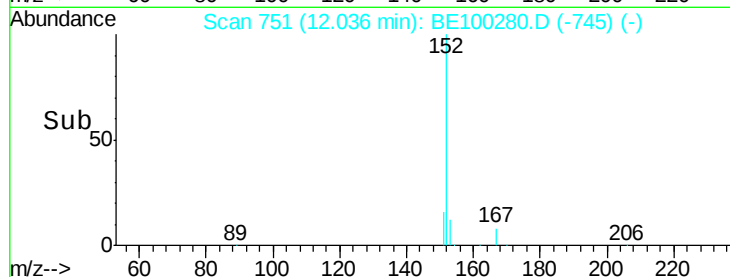
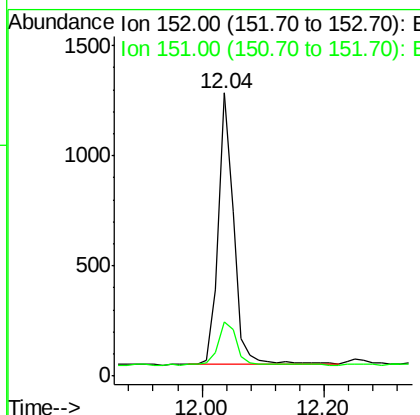
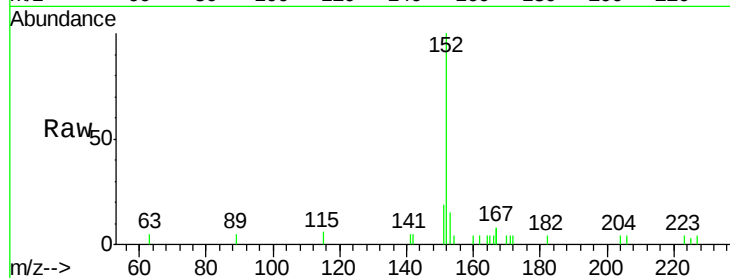
#11
2-Methylnaphthalene-d10
Concen: 0.344 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100280.D
Acq: 2 Jul 2019 1:08

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW110-061719

Tot Ion:152 Resp: 2193
Ion Ratio Lower Upper
152 100
151 18.9 15.1 22.7

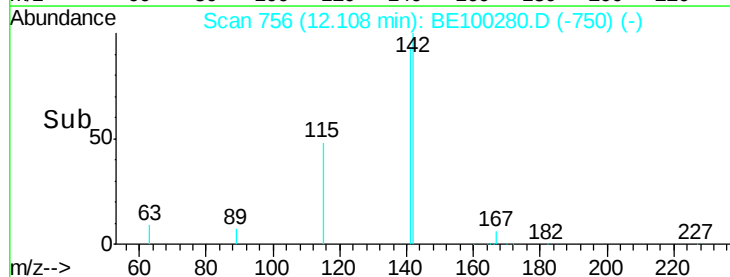
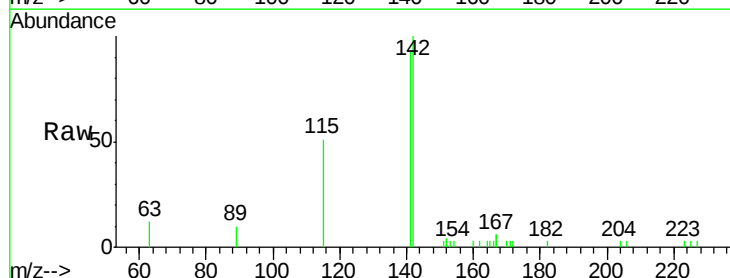
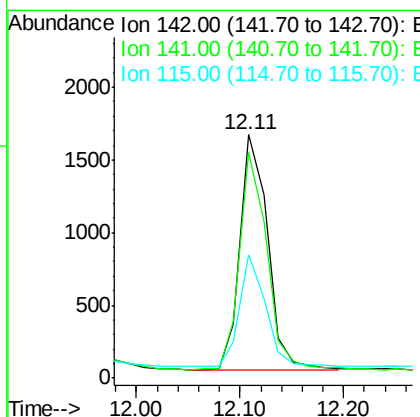
Manual Integrations
APPROVED

mohammad
7/3/2019 9:48:23 AM



#12
2-Methylnaphthalene
Concen: 0.459 ng
RT: 12.11 min Scan# 756
Delta R.T. -0.01 min
Lab File: BE100280.D
Acq: 2 Jul 2019 1:08

Tgt Ion:142 Resp: 3004
Ion Ratio Lower Upper
142 100
141 92.9 72.4 108.6
115 50.8 40.4 60.6





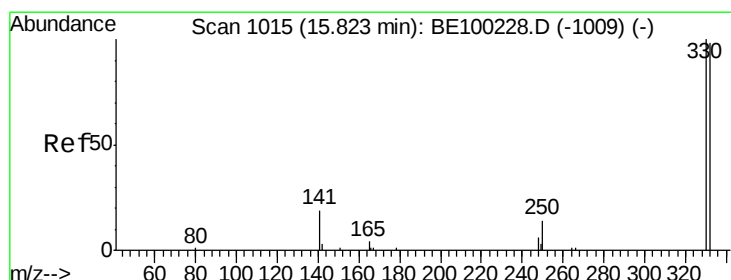
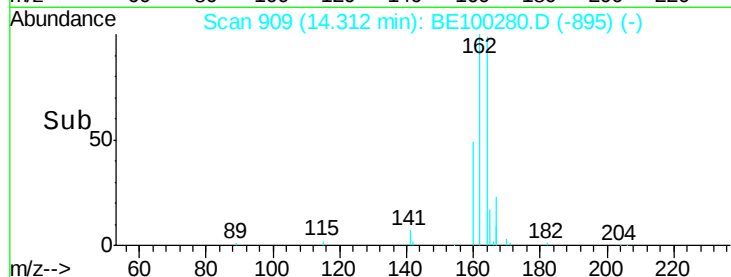
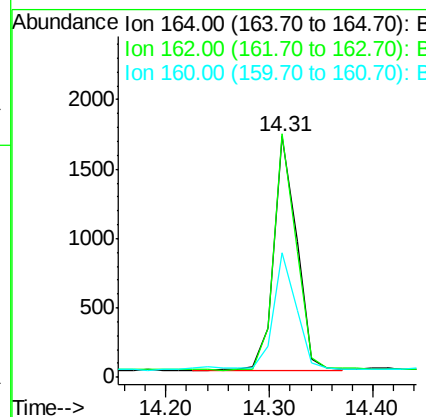
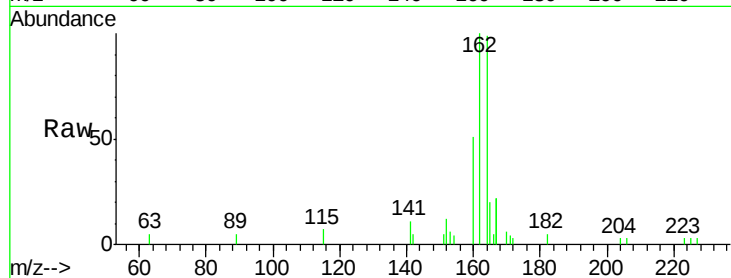
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100280.D
Acq: 2 Jul 2019 1:08

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW110-061719

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.1	83.4	125.0
160	51.5	45.0	67.6

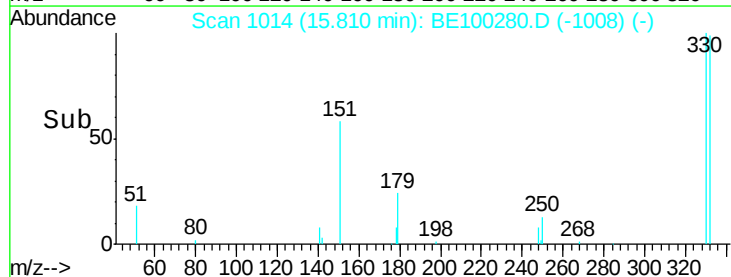
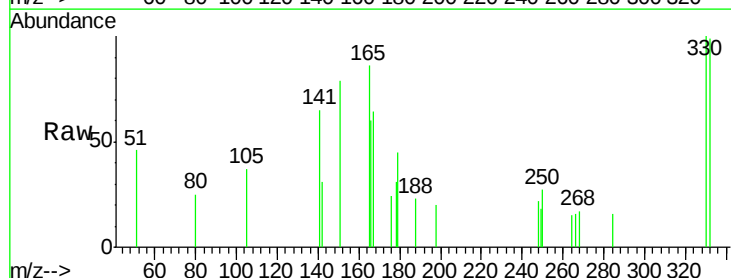
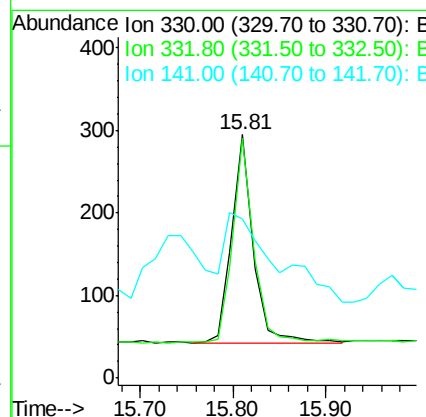
Manual Integrations
APPROVED

mohammad
7/3/2019 9:48:23 AM



#14
2,4,6-Tribromophenol
Concen: 0.217 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100280.D
Acq: 2 Jul 2019 1:08

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.8	77.0	115.4
141	100.2	22.0	33.0#





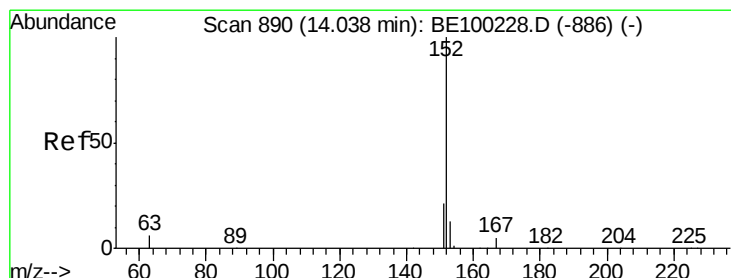
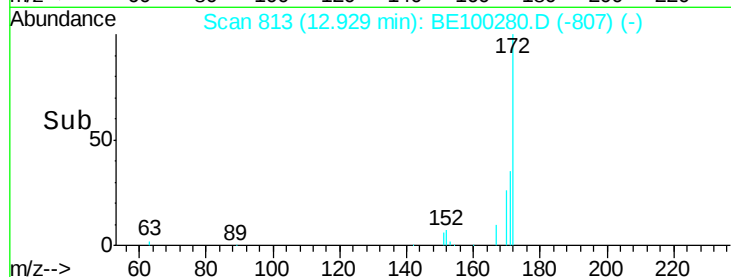
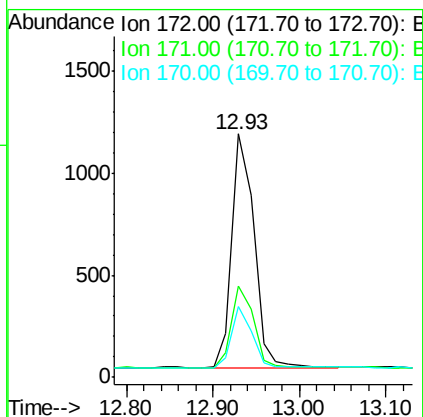
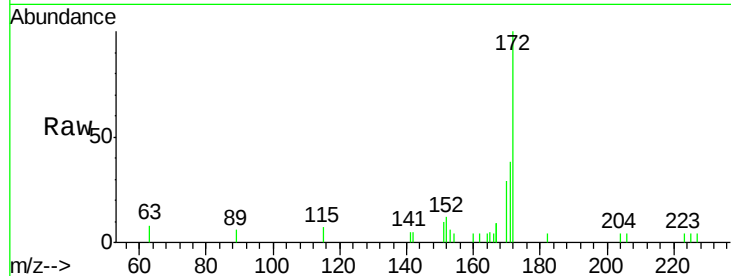
#15
2-Fluorobiphenyl
Concen: 0.198 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100280.D
Acq: 2 Jul 2019 1:08

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW110-061719

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.7	31.9	47.9
170	29.1	22.2	33.2

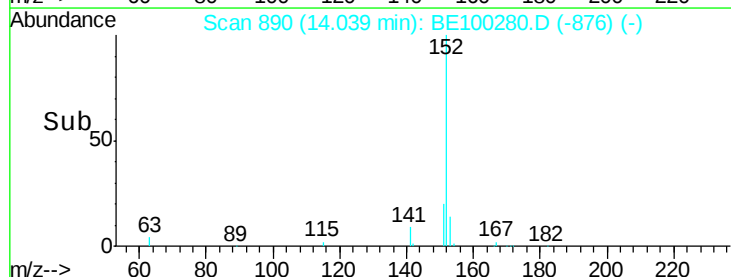
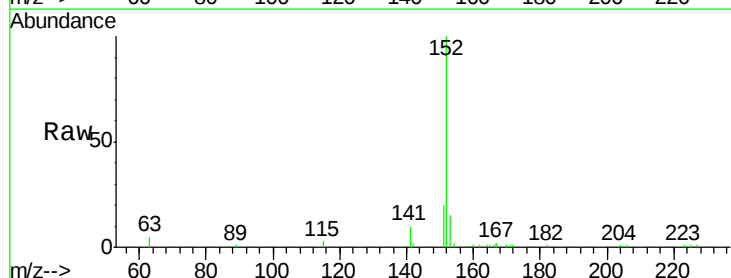
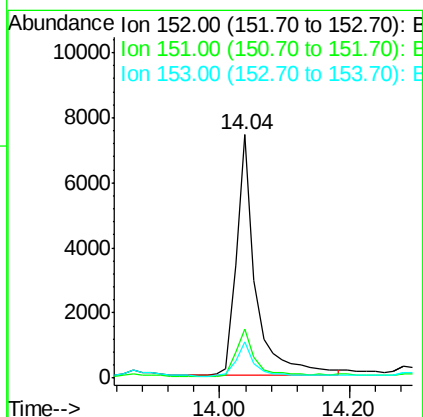
Manual Integrations
APPROVED

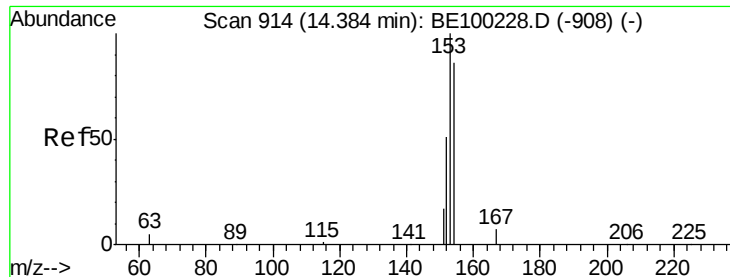
mohammad
7/3/2019 9:48:23 AM



#16
Acenaphthylene
Concen: 1.207 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100280.D
Acq: 2 Jul 2019 1:08

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.6	25.0
153	13.9	10.5	15.7





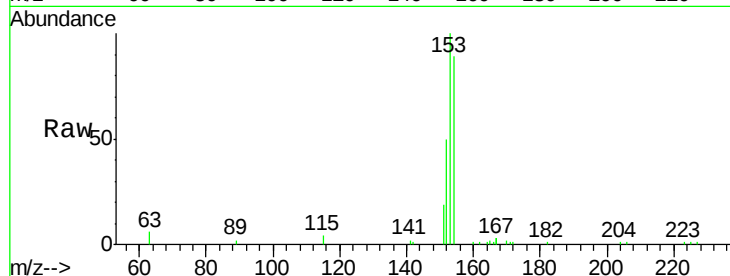
#17
Acenaphthene
Concen: 0.978 ng
RT: 14.38 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100280.D
Acq: 2 Jul 2019 1:08

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW110-061719

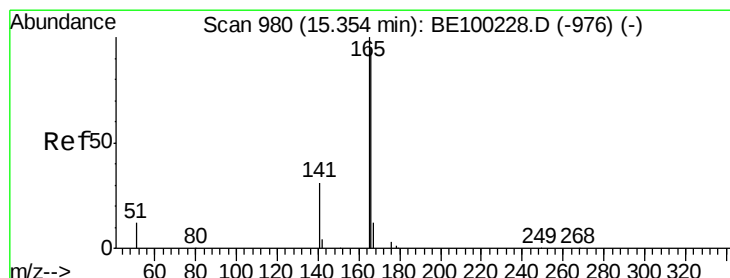
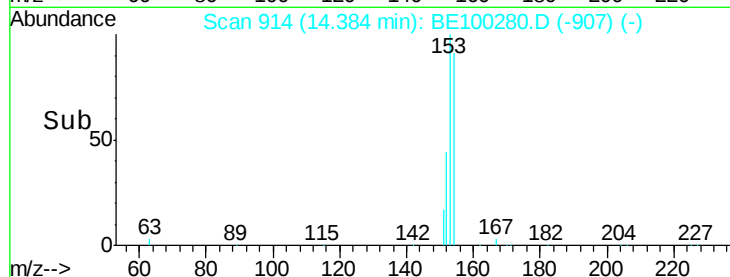
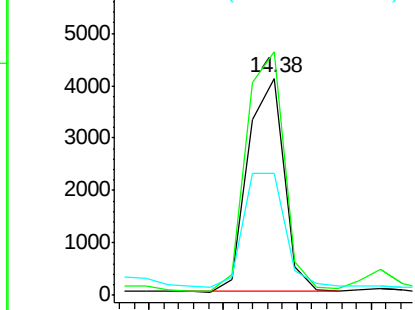
Tot Ion	Ratio	Lower	Upper
154	100		
153	117.6	93.4	140.2
152	61.2	49.4	74.2

Manual Integrations
APPROVED

mohammad
7/3/2019 9:48:23 AM

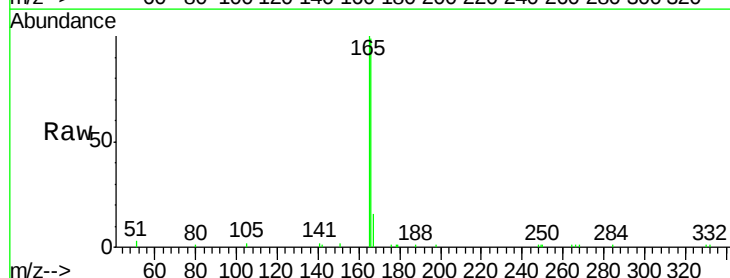


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

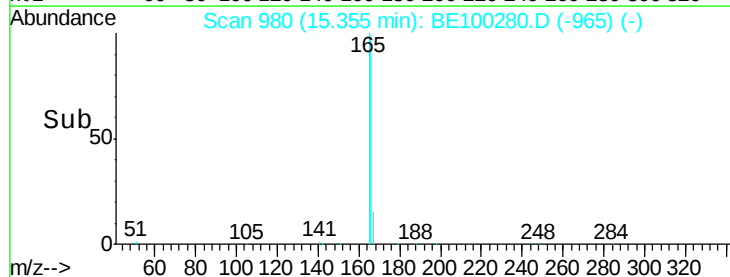
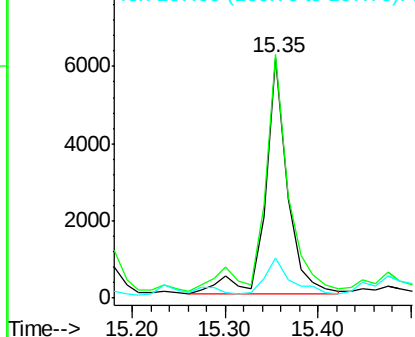


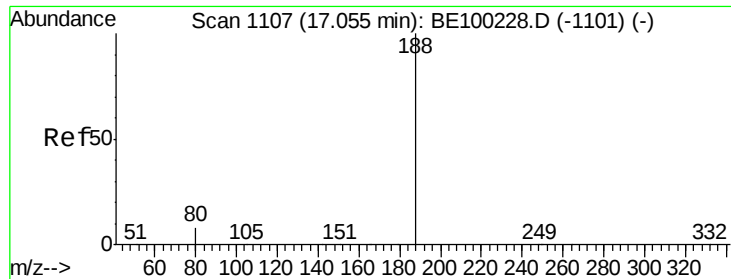
#18
Fluorene
Concen: 0.960 ng
RT: 15.35 min Scan# 980
Delta R.T. 0.00 min
Lab File: BE100280.D
Acq: 2 Jul 2019 1:08

Tgt Ion	Ratio	Lower	Upper
166	100		
165	109.1	81.1	121.7
167	16.7	10.7	16.1#



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





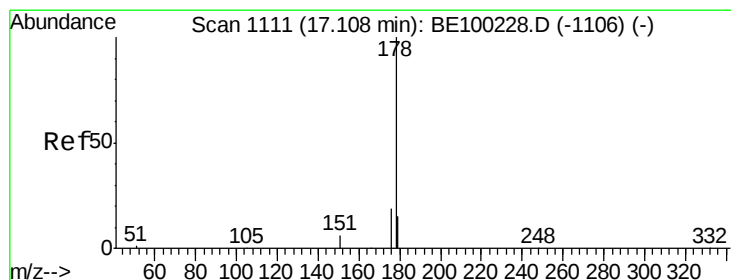
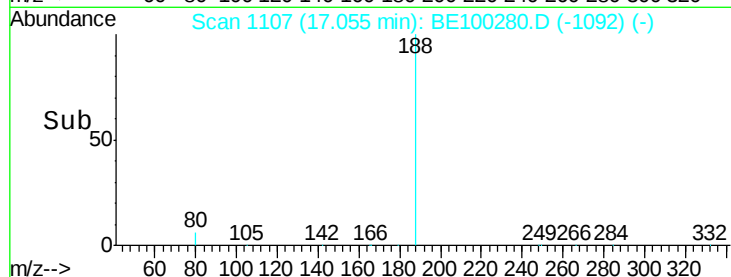
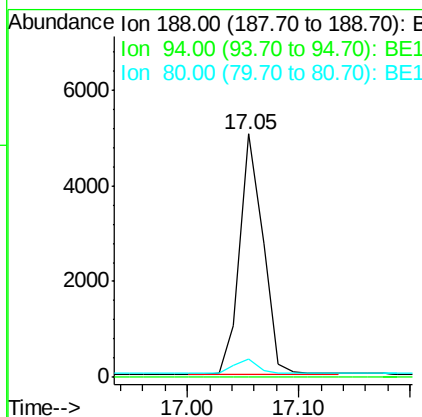
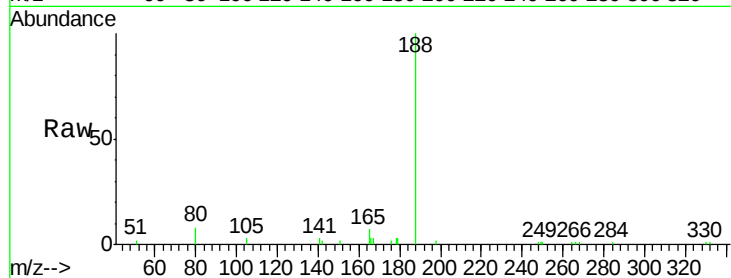
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. 0.00 min
Lab File: BE100280.D
Acq: 2 Jul 2019 1:08

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW110-061719

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.7	7.6	11.4

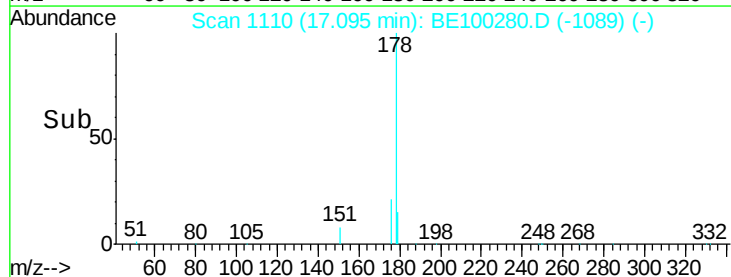
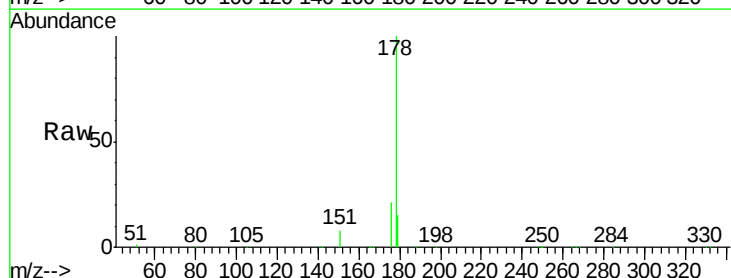
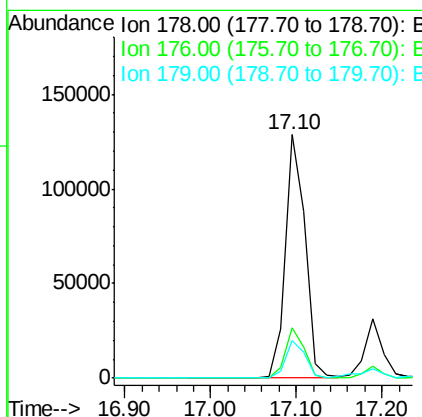
Manual Integrations
APPROVED

mohammad
7/3/2019 9:48:23 AM



#23
Phenanthrene
Concen: 11.482 ng
RT: 17.10 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100280.D
Acq: 2 Jul 2019 1:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.9	23.9
179	15.5	12.2	18.2





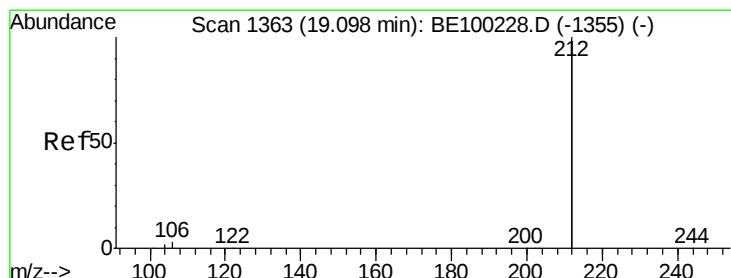
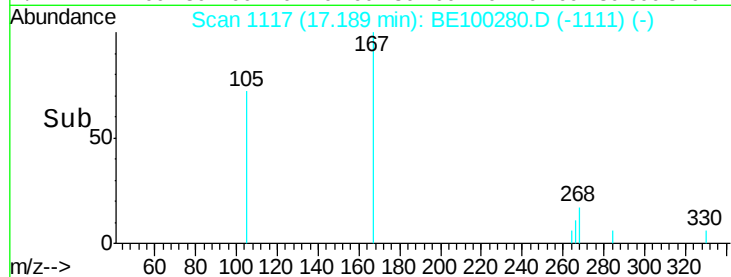
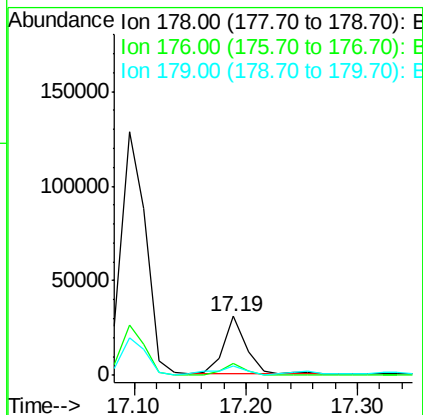
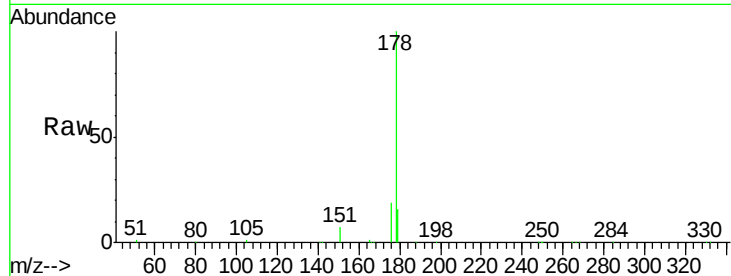
#24
 Anthracene
 Concen: 2.767 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BE100280.D
 Acq: 2 Jul 2019 1:08

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW110-061719

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	18.2	12.2	18.2

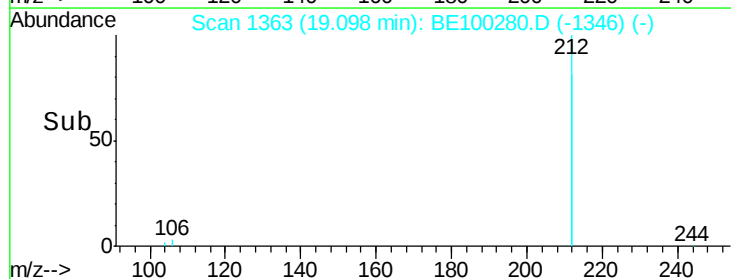
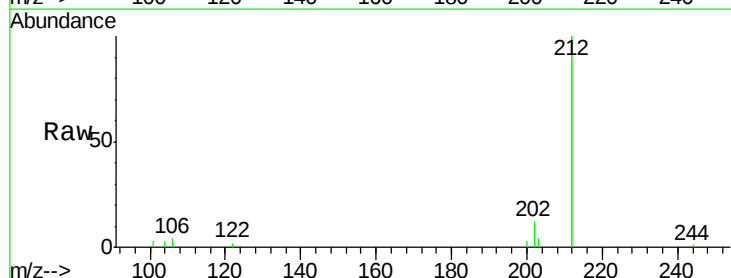
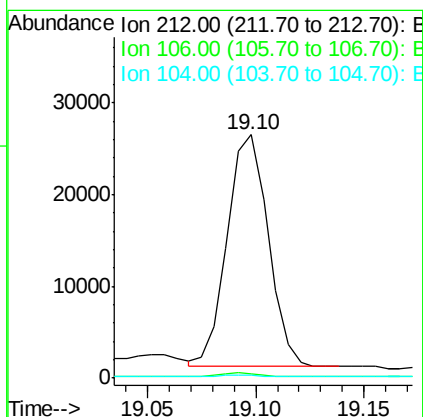
Manual Integrations
 APPROVED

mohammad
 7/3/2019 9:48:23 AM



#25
 Fluoranthene-d10
 Concen: 0.315 ng
 RT: 19.10 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: BE100280.D
 Acq: 2 Jul 2019 1:08

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.5	1.3	1.9
104	1.0	0.8	1.2





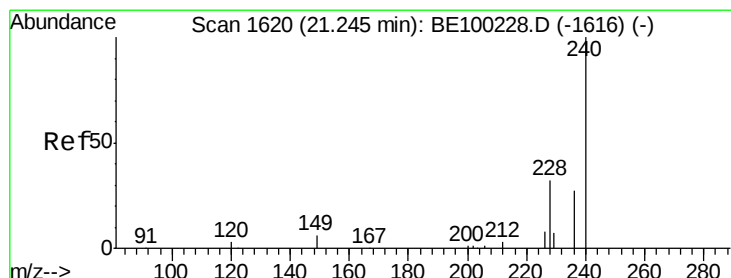
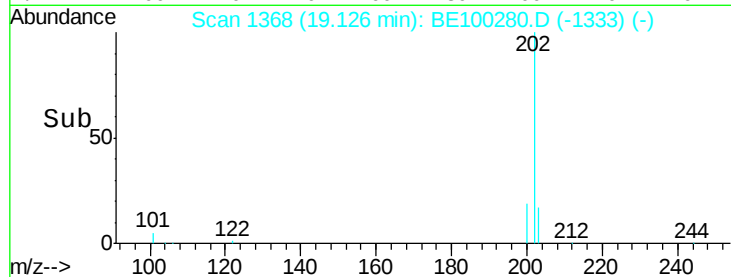
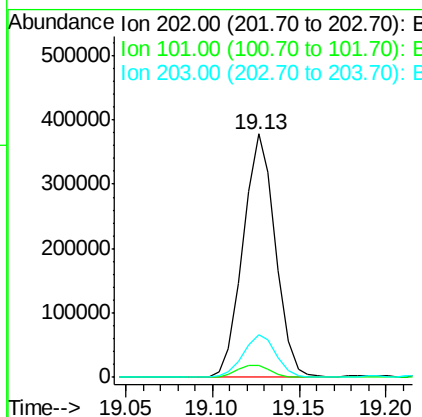
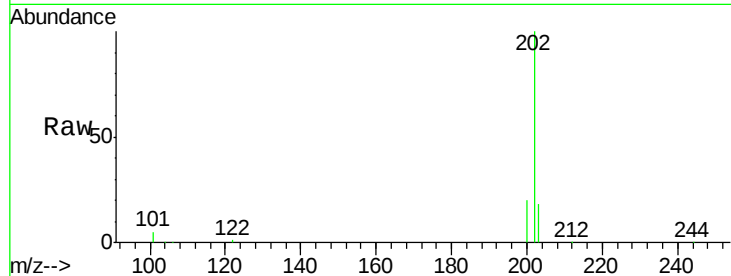
#26
 Fluoranthene
 Concen: 17.466 ng
 RT: 19.13 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: BE100280.D
 Acq: 2 Jul 2019 1:08

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW110-061719

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.2	4.6	7.0
203	17.8	13.7	20.5

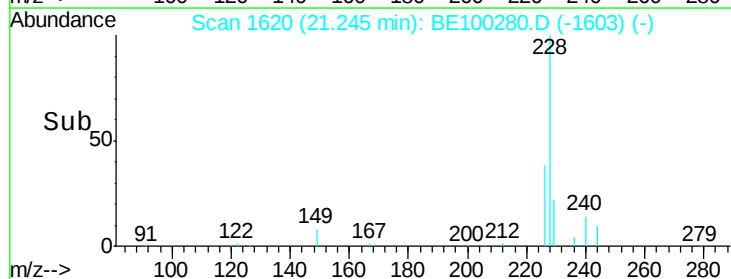
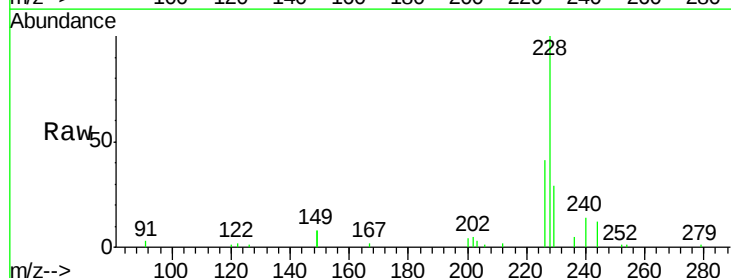
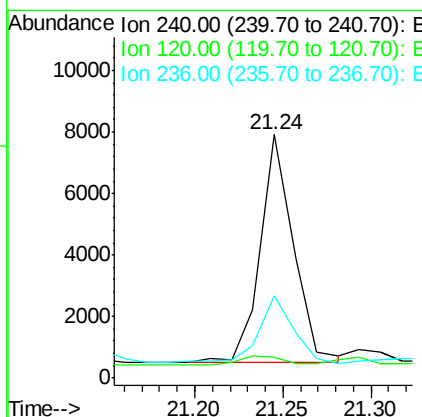
Manual Integrations
 APPROVED

mohammad
 7/3/2019 9:48:23 AM



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.24 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100280.D
 Acq: 2 Jul 2019 1:08

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.4	3.3	4.9#
236	33.7	22.6	34.0





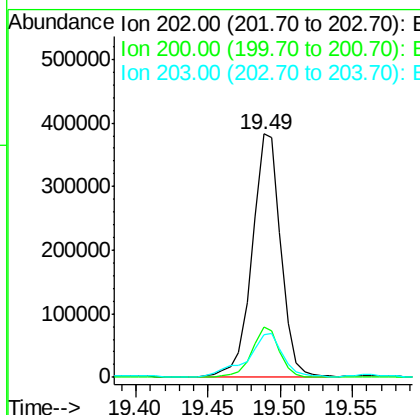
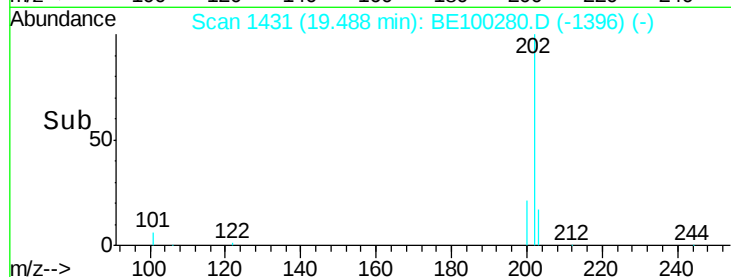
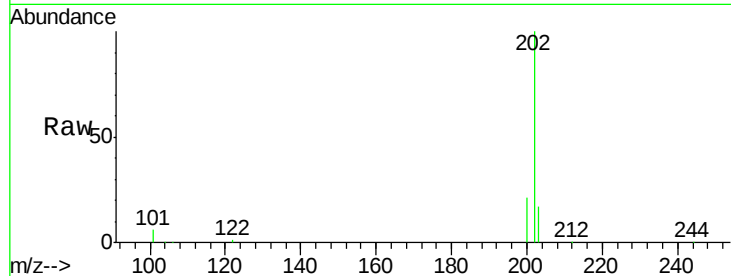
#28
Pvrene
Concen: 21.052 ng
RT: 19.49 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE100280.D
Acq: 2 Jul 2019 1:08

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW110-061719

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.0	15.6	23.4
203	22.0	14.0	21.0

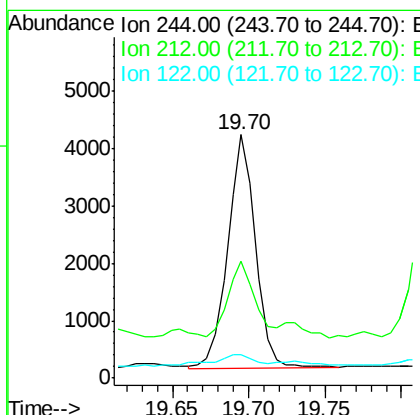
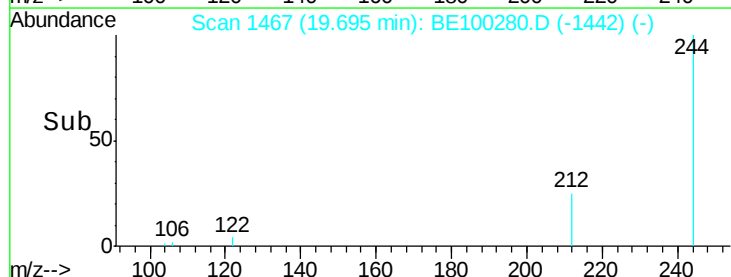
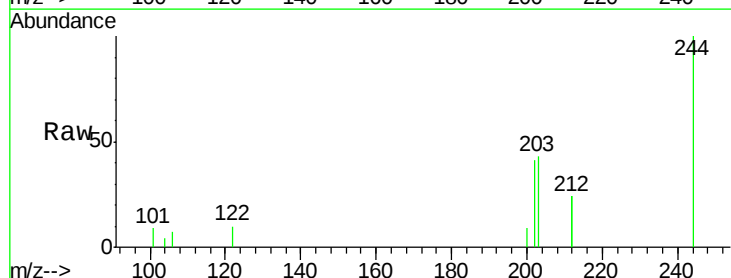
Manual Integrations
APPROVED

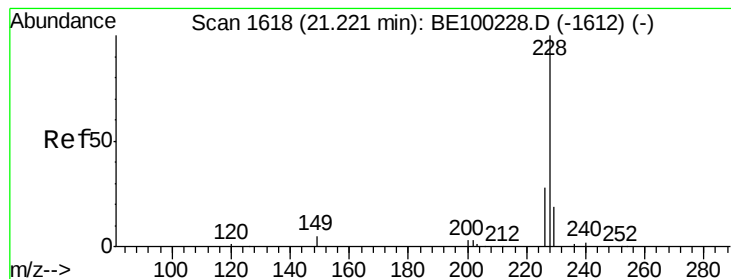
mohammad
7/3/2019 9:48:23 AM



#29
Terphenyl-d14
Concen: 0.263 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BE100280.D
Acq: 2 Jul 2019 1:08

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	47.9	27.3	40.9
122	9.5	4.7	7.1





#30

Benzo(a)anthracene

Concen: 12.237 ng

RT: 21.23 min Scan# 1619

Delta R.T. 0.01 min

Lab File: BE100280.D

Acq: 2 Jul 2019 1:08

Instrument :

BNA_E

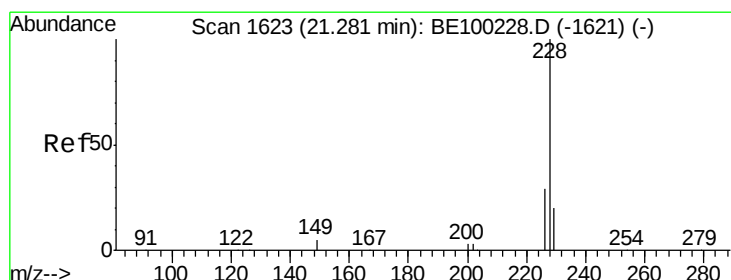
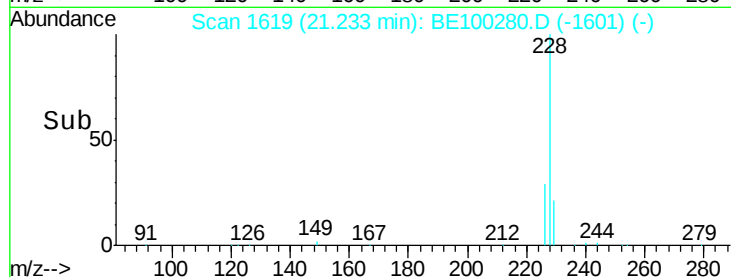
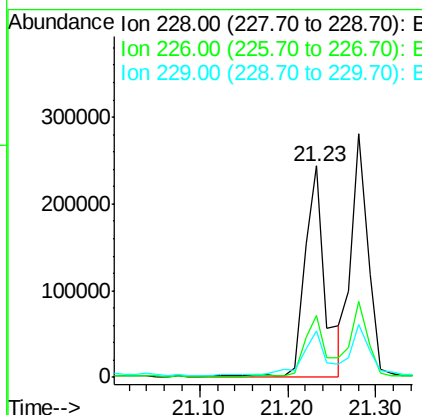
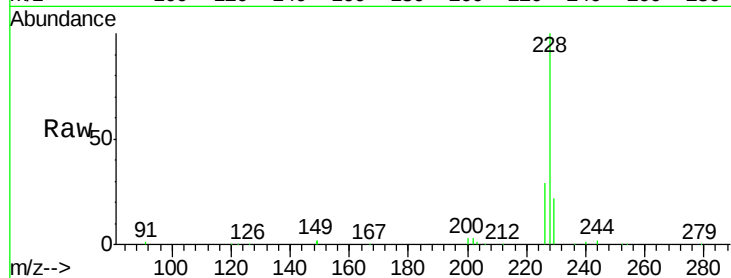
ClientSampleId :

EXT-008-SW110-061719

Tot Ion:	228	Resp:	384056
Ion Ratio	Lower	Upper	
228	100		
226	29.1	23.2	34.8
229	21.7	15.7	23.5

Manual Integrations
APPROVED

mohammad
7/3/2019 9:48:23 AM



#31

Chrysene

Concen: 11.613 ng

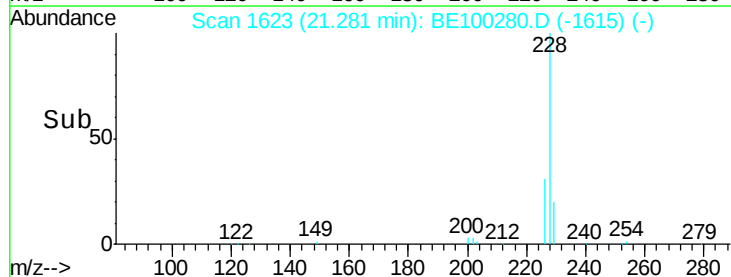
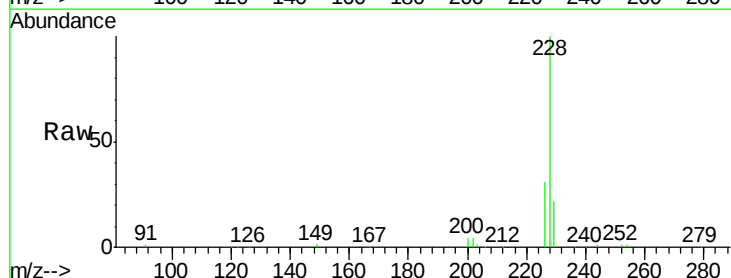
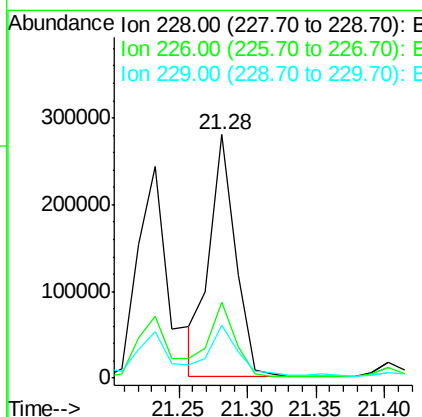
RT: 21.28 min Scan# 1623

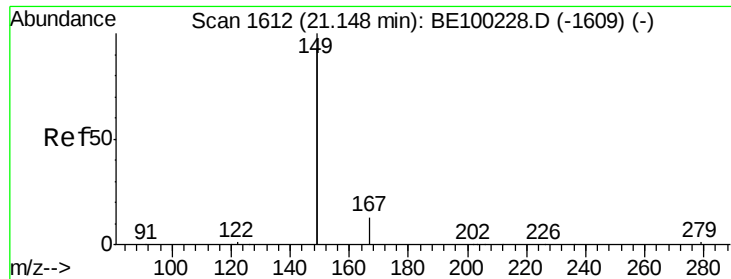
Delta R.T. 0.00 min

Lab File: BE100280.D

Acq: 2 Jul 2019 1:08

Tgt Ion:	228	Resp:	365974
Ion Ratio	Lower	Upper	
228	100		
226	31.1	23.9	35.9
229	21.8	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 1.567 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100280.D

Acq: 2 Jul 2019 1:08

Instrument :

BNA_E

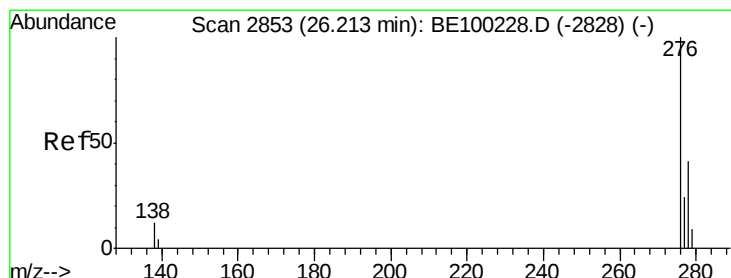
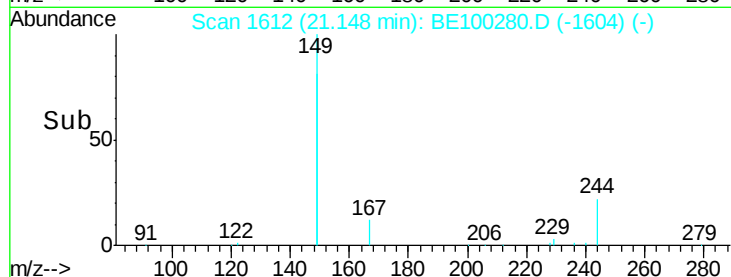
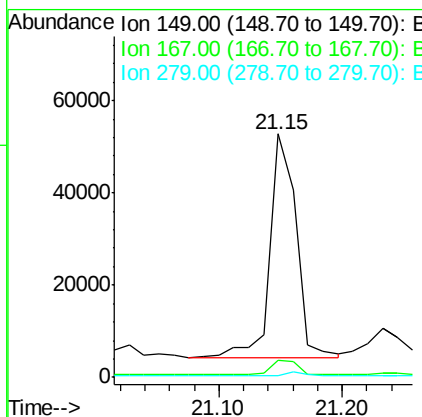
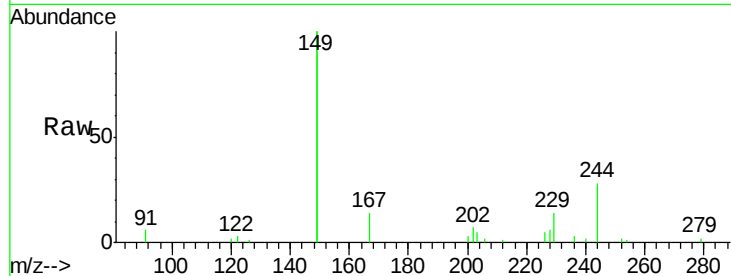
ClientSampleId :

EXT-008-SW110-061719

Tot Ion:	149	Resp:	72056
Ion Ratio	Lower	Upper	
149	100		
167	6.9	5.8	8.8
279	1.6	1.1	1.7

Manual Integrations
APPROVED

mohammad
7/3/2019 9:48:23 AM



#33

Indeno(1,2,3-cd)pyrene

Concen: 5.263 ng

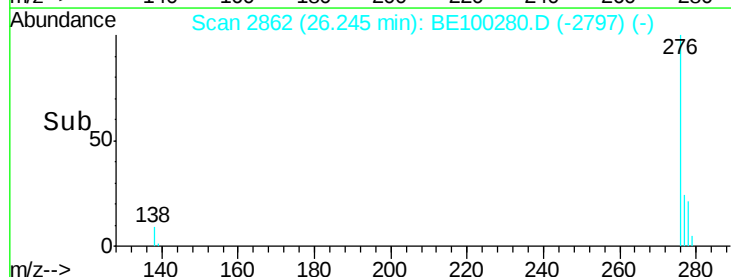
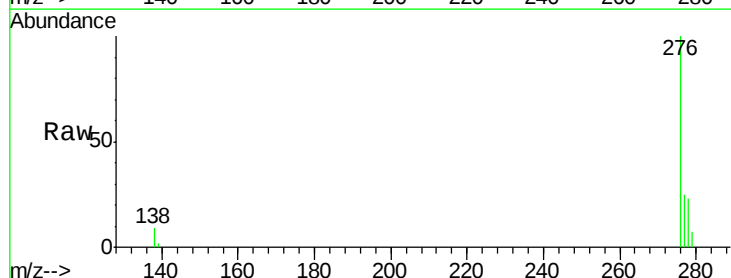
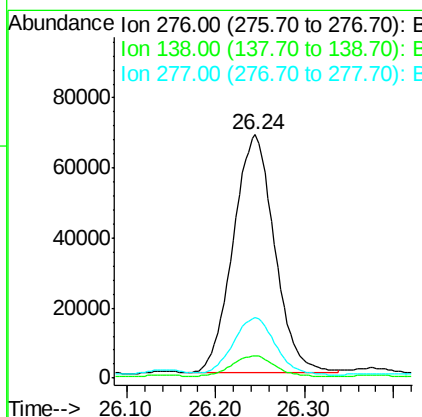
RT: 26.24 min Scan# 2862

Delta R.T. 0.03 min

Lab File: BE100280.D

Acq: 2 Jul 2019 1:08

Tgt Ion:	276	Resp:	219374
Ion Ratio	Lower	Upper	
276	100		
138	8.7	9.4	14.0#
277	24.3	19.2	28.8





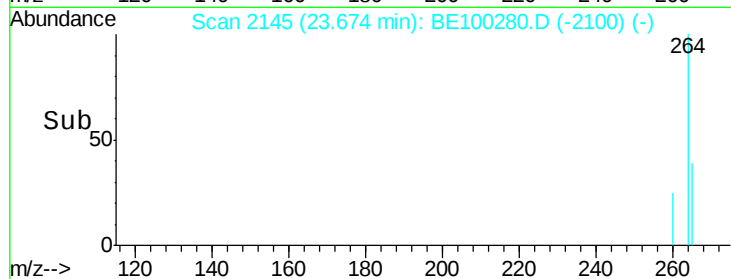
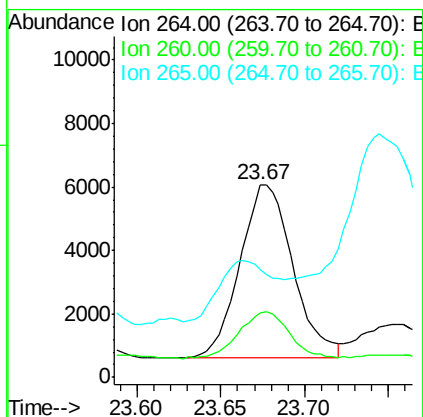
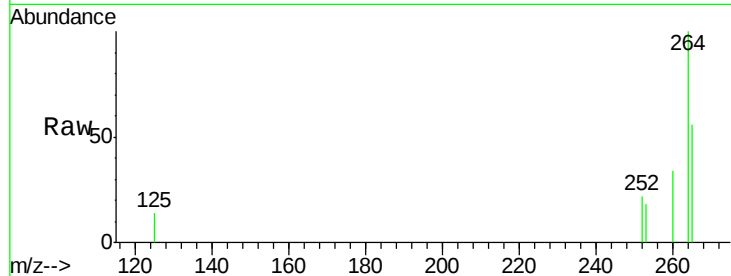
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 2145
Delta R.T. 0.01 min
Lab File: BE100280.D
Acq: 2 Jul 2019 1:08

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW110-061719

Tot Ion	Ratio	Lower	Upper
264	100		
260	33.6	20.8	31.2#
265	55.9	21.8	32.6#

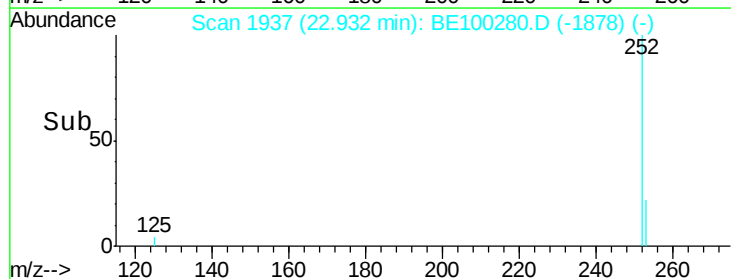
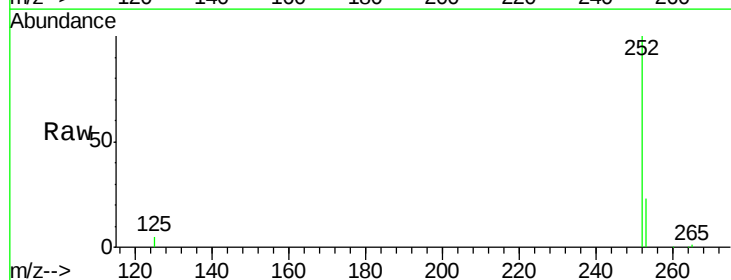
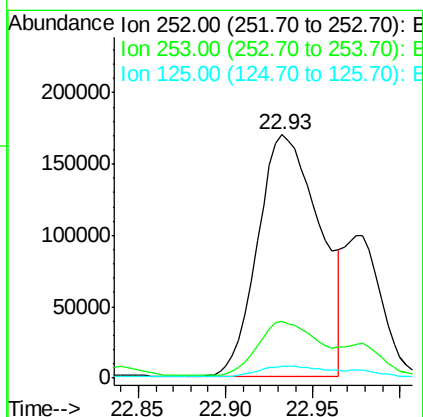
Manual Integrations
APPROVED

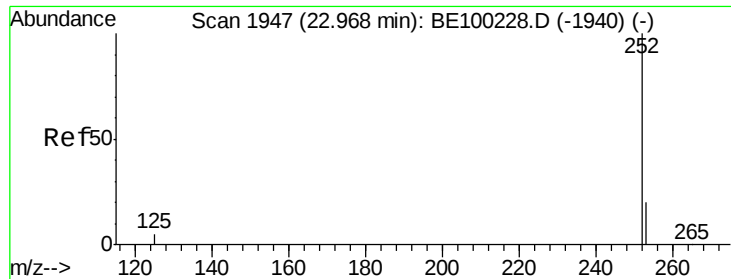
mohammad
7/3/2019 9:48:23 AM



#35
Benzo(b)fluoranthene
Concen: 12.804 ng
RT: 22.93 min Scan# 1937
Delta R.T. 0.01 min
Lab File: BE100280.D
Acq: 2 Jul 2019 1:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.2	28.8
125	4.7	7.4	11.0#





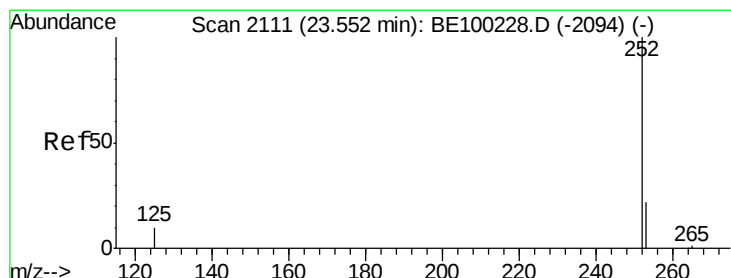
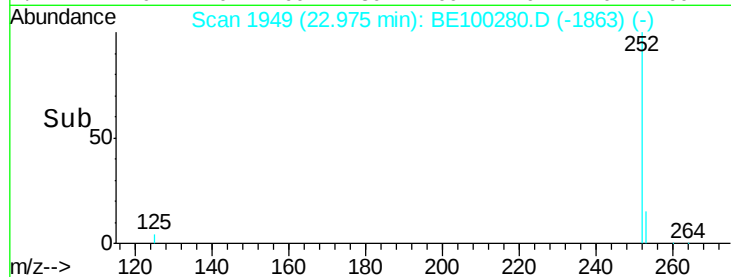
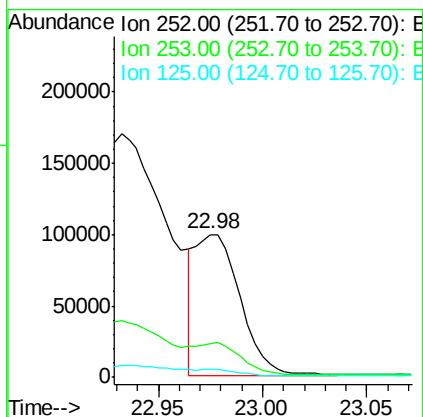
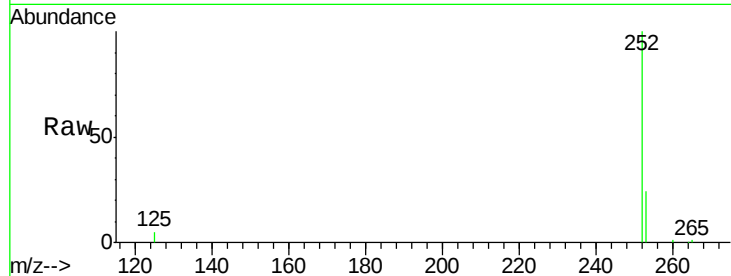
#36
Benzo(k)fluoranthene
Concen: 4.067 ng m
RT: 22.98 min Scan# 1949
Delta R.T. 0.01 min
Lab File: BE100280.D
Acq: 2 Jul 2019 1:08

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW110-061719

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	5.3	5.0	7.4

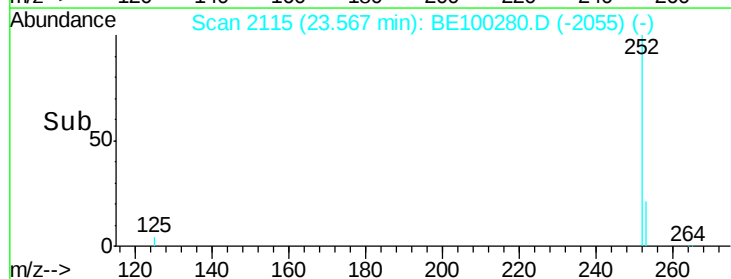
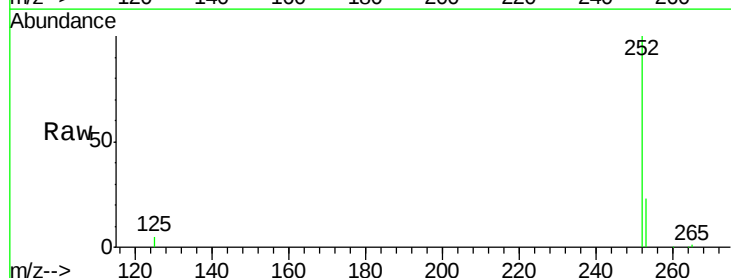
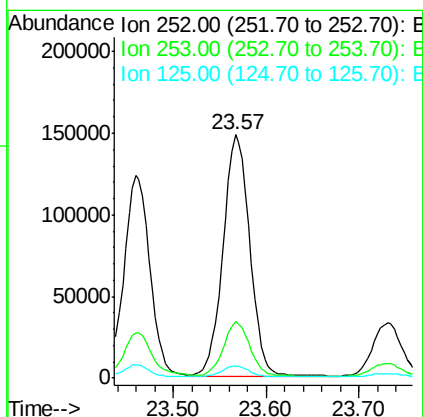
Manual Integrations
APPROVED

mohammad
7/3/2019 9:48:23 AM



#37
Benzo(a)pyrene
Concen: 8.988 ng
RT: 23.57 min Scan# 2115
Delta R.T. 0.01 min
Lab File: BE100280.D
Acq: 2 Jul 2019 1:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.6	29.4
125	5.0	9.0	13.6





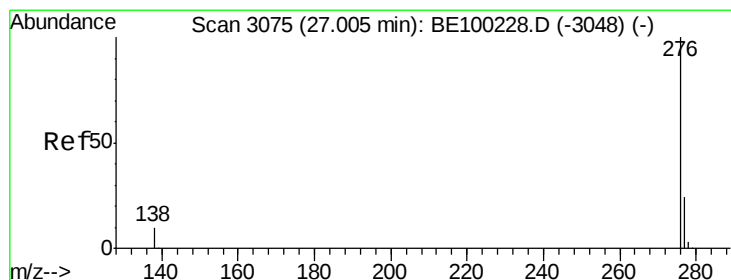
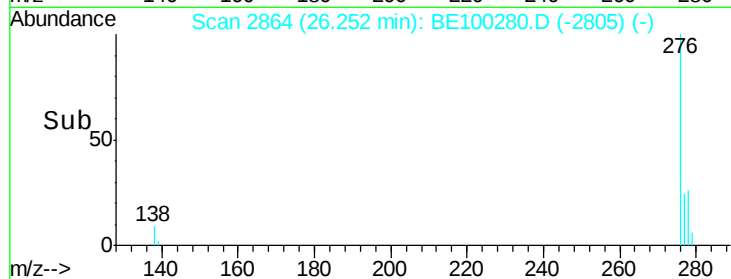
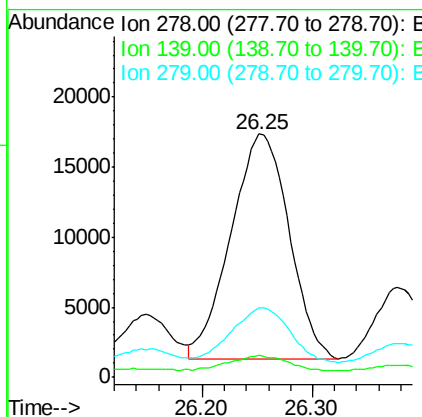
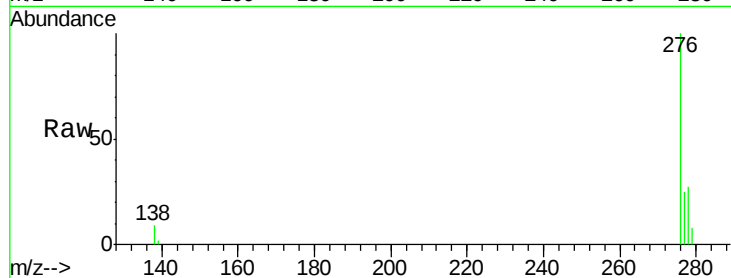
#38
 Dibenzo(a,h)anthracene
 Concen: 1.717 ng
 RT: 26.25 min Scan# 2864
 Delta R.T. 0.01 min
 Lab File: BE100280.D
 Acq: 2 Jul 2019 1:08

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW110-061719

Tot Ion	Ratio	Lower	Upper
278	100		
139	8.9	8.2	12.2
279	28.4	20.3	30.5

Manual Integrations
 APPROVED

mohammad
 7/3/2019 9:48:23 AM



#39
 Benzo(g,h,i)perylene
 Concen: 6.708 ng
 RT: 27.04 min Scan# 3084
 Delta R.T. 0.03 min
 Lab File: BE100280.D
 Acq: 2 Jul 2019 1:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	20.2	30.2
138	9.5	9.0	13.6

