

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
 Data File : BE100270.D
 Acq On : 1 Jul 2019 17:55
 Operator : JU/SJ
 Sample : K3428-21DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW162-061319DL

Manual Integrations
 APPROVED

mohammad
 7/3/2019 9:47:58 AM

Quant Time: Jul 02 03:36:34 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	837	0.40	ng	0.00
7) Naphthalene-d8	10.45	136	2988	0.40	ng	0.00
13) Acenaphthene-d10	14.31	164	2294	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	6502	0.40	ng	0.00
27) Chrysene-d12	21.25	240	8391	0.40	ng	0.00
34) Perylene-d12	23.67	264	9375	0.40	ng	0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.23	112	136	0.06	ng	0.01
5) Phenol-d6	6.84	99	165	0.06	ng	0.00
8) Nitrobenzene-d5	8.81	82	177	0.06	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	398	0.07	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	97	0.06	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	453	0.05	ng	0.00
25) Fluoranthene-d10	19.10	212	6220	0.07	ng	0.00
29) Terphenyl-d14	19.70	244	1838	0.11	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.48	128	1110	0.034	ng	# 84
12) 2-Methylnaphthalene	12.12	142	184	0.032	ng	# 89
16) Acenaphthylene	14.04	152	976	0.089	ng	99
17) Acenaphthene	14.38	154	214	0.034	ng	95
18) Fluorene	15.35	166	584	0.063	ng	# 93
23) Phenanthrene	17.11	178	13951	0.885	ng	99
24) Anthracene	17.19	178	2141	0.151	ng	98
26) Fluoranthene	19.13	202	44735	1.782	ng	99
28) Pyrene	19.49	202	44830	2.018	ng	# 95
30) Benzo(a)anthracene	21.23	228	34700	1.258	ng	97
31) Chrysene	21.28	228	35894	1.296	ng	98
32) Bis(2-ethylhexyl)phthalate	21.15	149	25795	0.604	ng	100
33) Indeno(1,2,3-cd)pyrene	26.23	276	27238	0.743	ng	97
35) Benzo(b)fluoranthene	22.92	252	51441	2.024	ng	# 97
36) Benzo(k)fluoranthene	22.97	252	18142m	0.639	ng	
37) Benzo(a)pyrene	23.56	252	35400	1.390	ng	# 95
38) Dibenzo(a,h)anthracene	26.25	278	6887m	0.259	ng	
39) Benzo(a,h,i)perylene	27.02	276	28232	1.033	ng	99

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

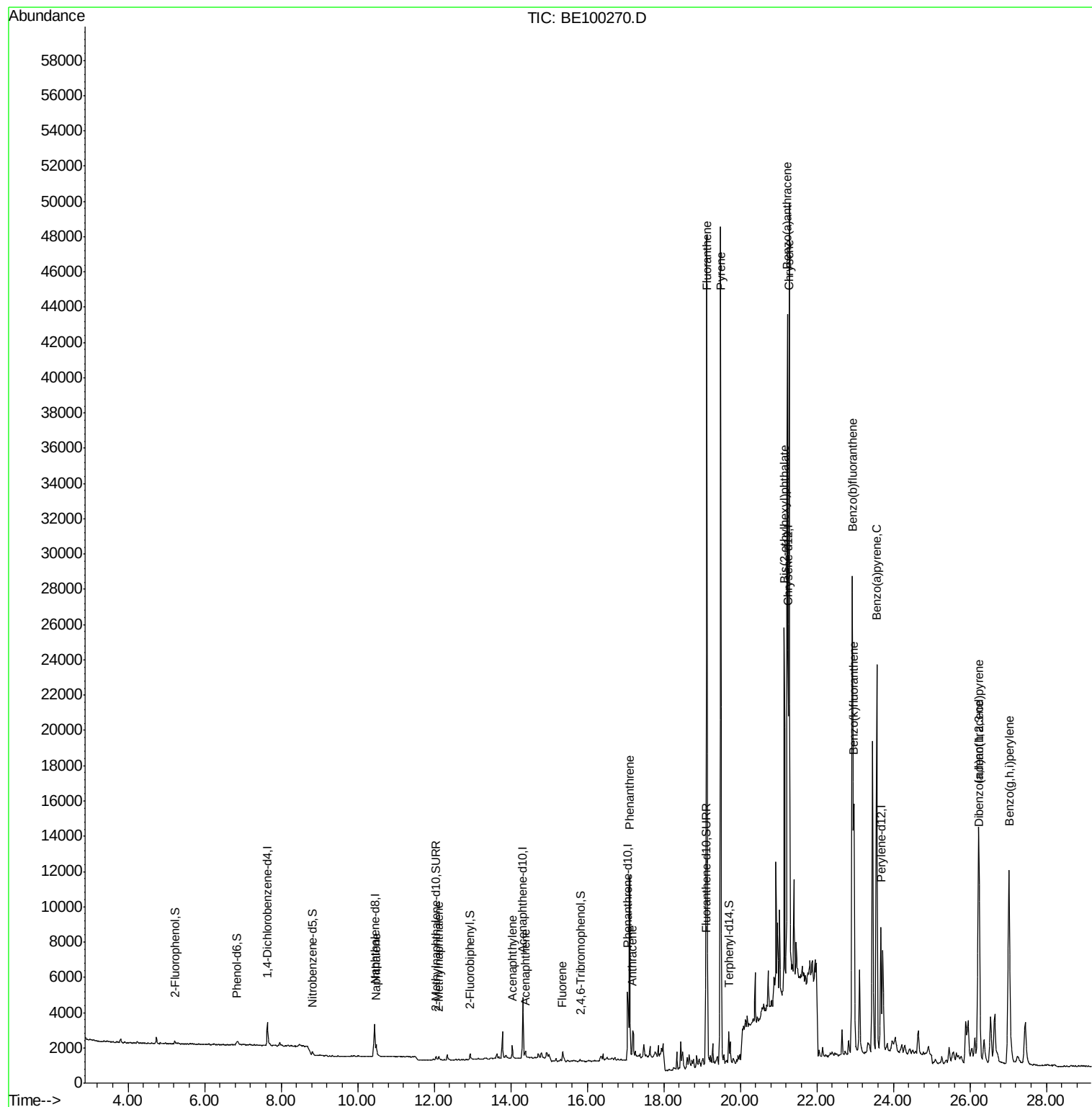
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
Data File : BE100270.D
Acq On : 1 Jul 2019 17:55
Operator : JU/SJ
Sample : K3428-21DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

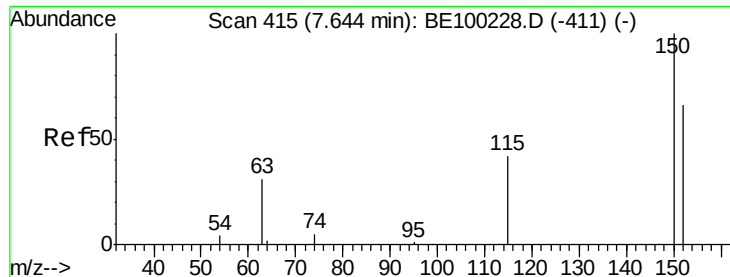
Instrument :
BNA_E
ClientSampleId :
EXT-013-SW162-061319DL

Manual Integrations
APPROVED

mohammad
7/3/2019 9:47:58 AM

Quant Time: Jul 02 03:36:34 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

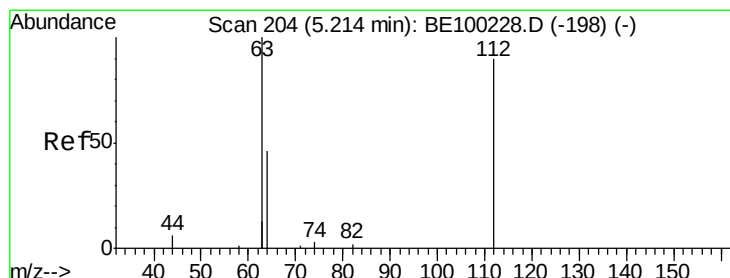
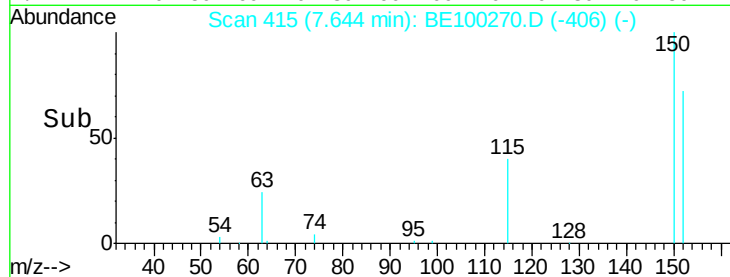
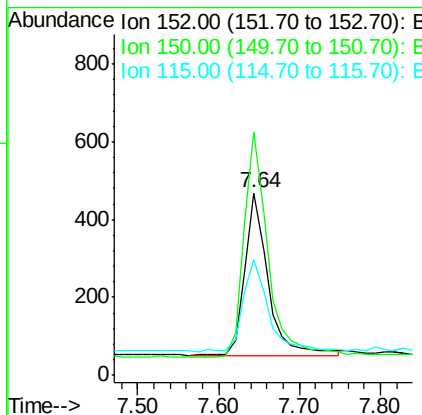
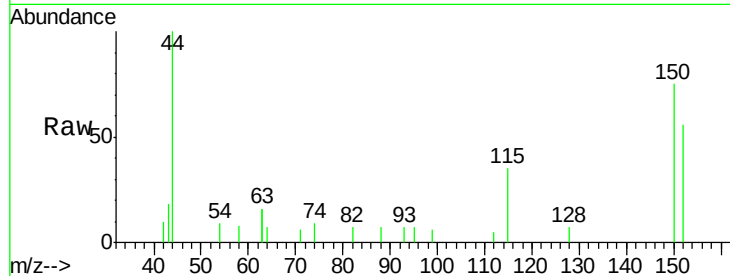
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100270.D
Acq: 1 Jul 2019 17:55

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW162-061319DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	133.8	114.5	171.7
115	63.5	57.1	85.7

Manual Integrations
APPROVED

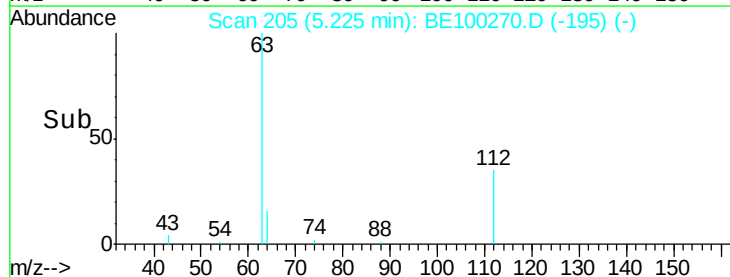
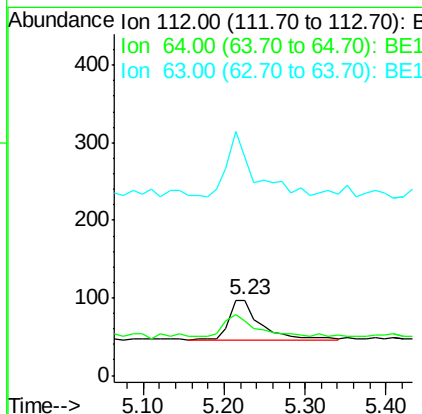
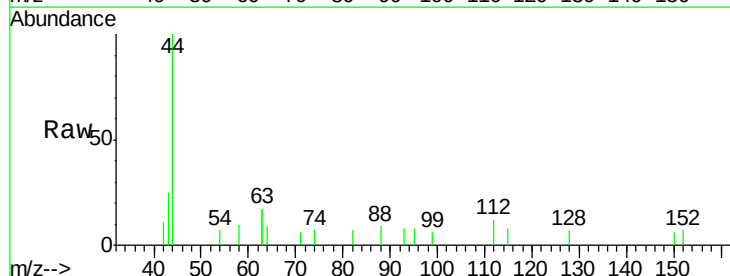
mohammad
7/3/2019 9:47:58 AM

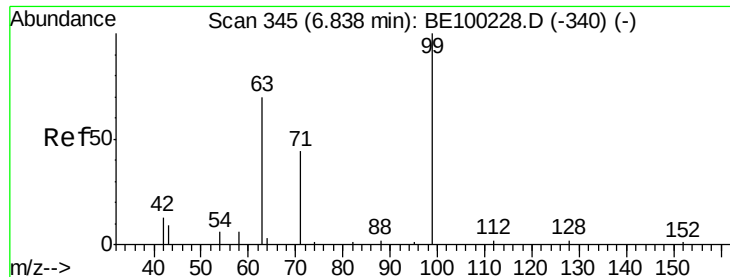


#4

2-Fluorophenol
Concen: 0.064 ng
RT: 5.23 min Scan# 205
Delta R.T. 0.01 min
Lab File: BE100270.D
Acq: 1 Jul 2019 17:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.0	39.4	59.0
63	148.5	104.5	156.7





#5

Phenol-d6

Concen: 0.059 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE100270.D

Acq: 1 Jul 2019 17:55

Instrument :

BNA_E

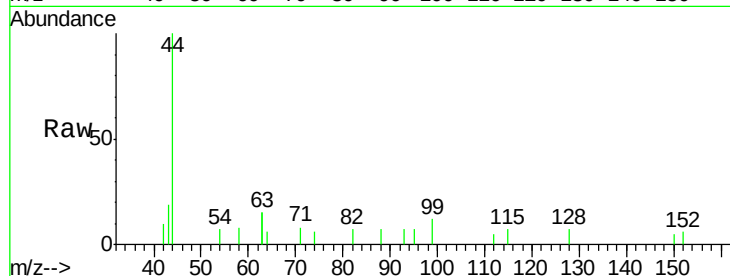
ClientSampleId :

EXT-013-SW162-061319DL

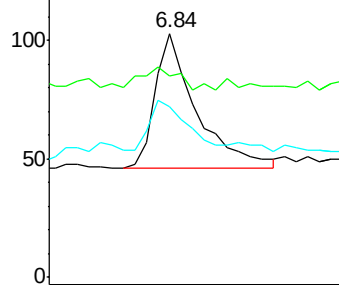
Tot Ion:	99	Resp:	165
Ion	Ratio	Lower	Upper
99	100		
42	15.8	11.2	16.8
71	35.8	37.2	55.8#

Manual Integrations
APPROVED

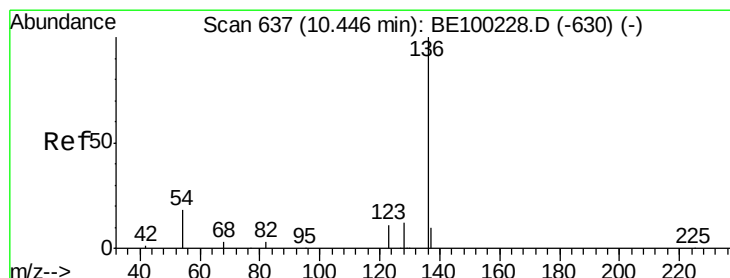
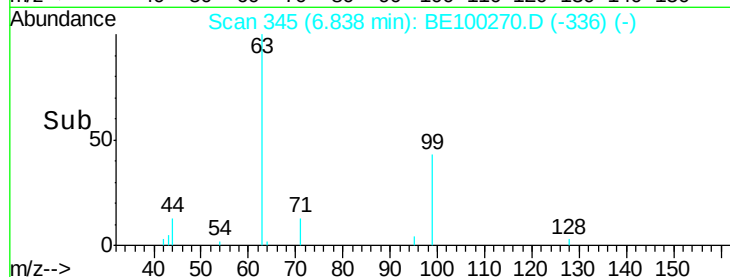
mohammad
7/3/2019 9:47:58 AM



Abundance Ion 99.00 (98.70 to 99.70): BE1
Ion 42.00 (41.70 to 42.70): BE1
Ion 71.00 (70.70 to 71.70): BE1



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.45 min Scan# 637

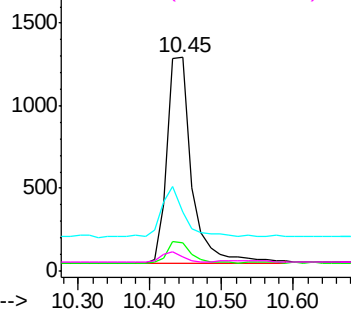
Delta R.T. -0.00 min

Lab File: BE100270.D

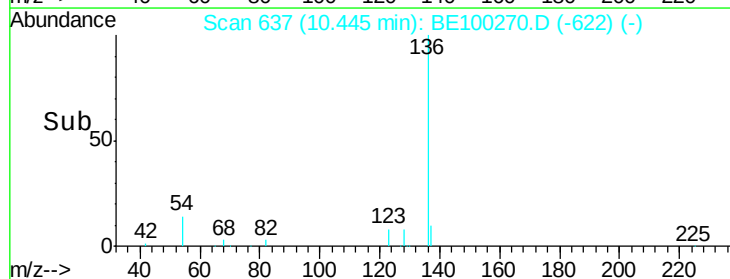
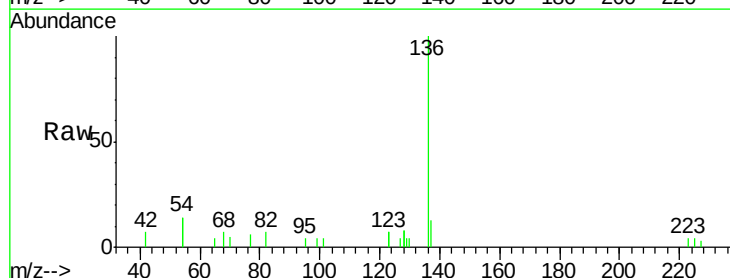
Acq: 1 Jul 2019 17:55

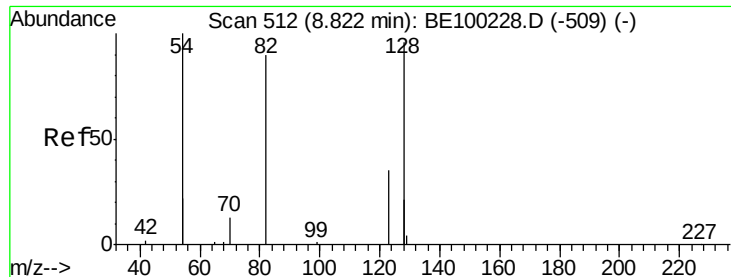
Tgt Ion:	136	Resp:	2988
Ion	Ratio	Lower	Upper
136	100		
137	13.2	11.8	17.8
54	27.5	27.7	41.5#
68	6.8	6.8	10.2

Abundance Ion 136.00 (135.70 to 136.70): BE1
Ion 137.00 (136.70 to 137.70): BE1
Ion 54.00 (53.70 to 54.70): BE1
Ion 68.00 (67.70 to 68.70): BE1



Time-->





#8

Nitrobenzene-d5

Concen: 0.060 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100270.D

Acq: 1 Jul 2019 17:55

Instrument :

BNA_E

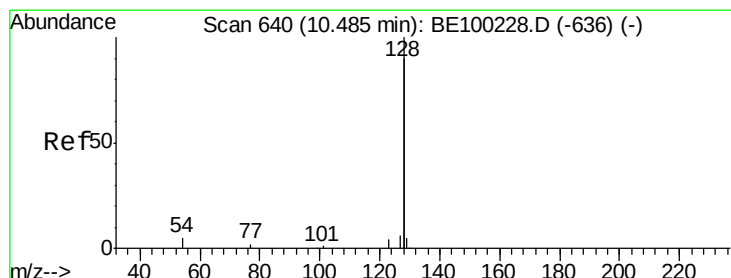
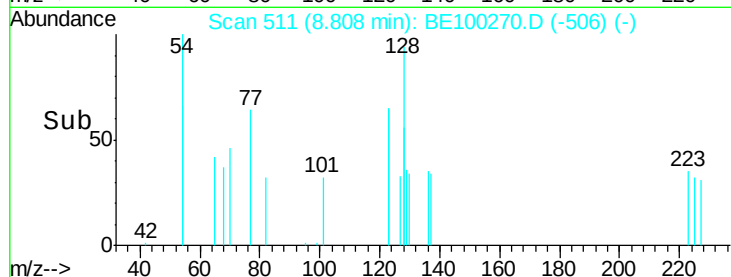
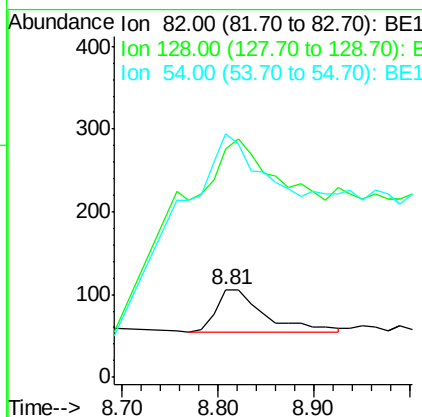
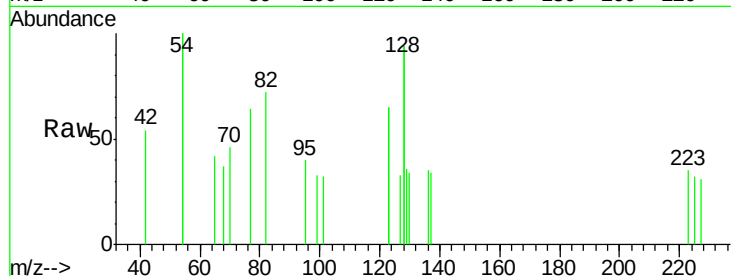
ClientSampleId :

EXT-013-SW162-061319DL

Tot Ion:	82	Resp:	177
Ion	Ratio	Lower	Upper
82	100		
128	260.4	140.9	211.3#
54	277.4	146.2	219.2#

Manual Integrations
APPROVED

mohammad
7/3/2019 9:47:58 AM



#9

Naphthalene

Concen: 0.034 ng

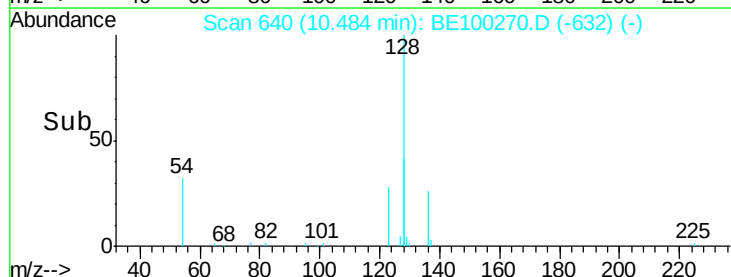
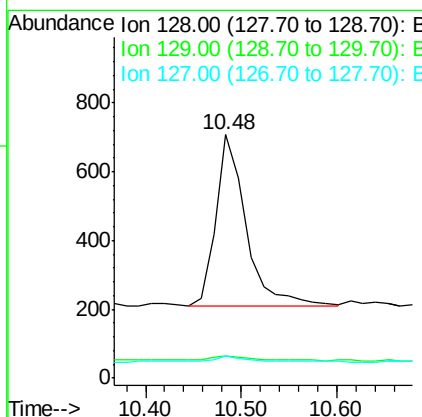
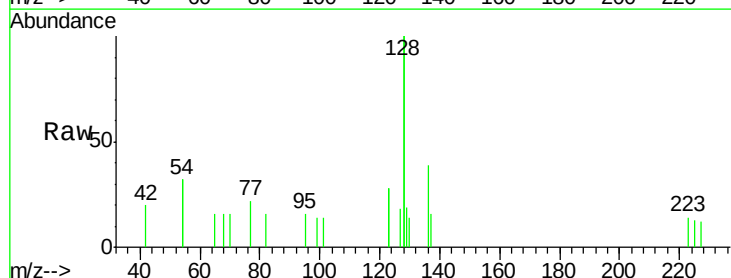
RT: 10.48 min Scan# 640

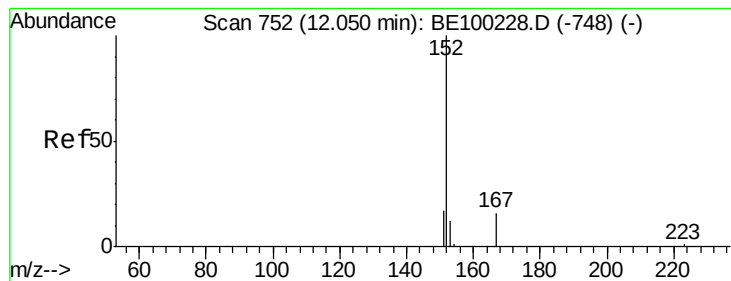
Delta R.T. -0.00 min

Lab File: BE100270.D

Acq: 1 Jul 2019 17:55

Tgt Ion:	128	Resp:	1110
Ion	Ratio	Lower	Upper
128	100		
129	9.3	3.0	4.6#
127	9.2	3.5	5.3#





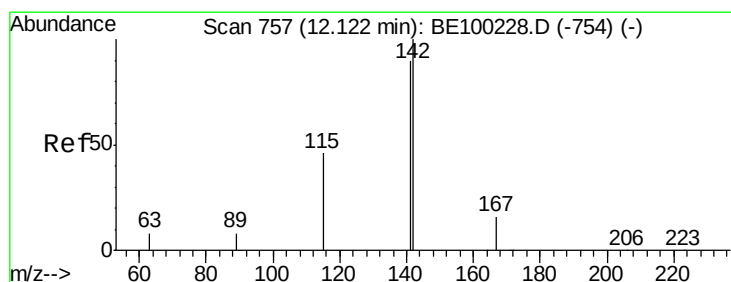
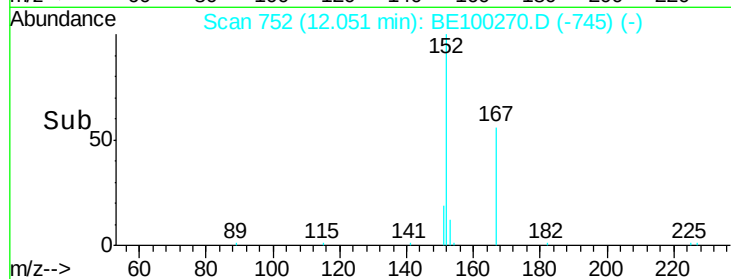
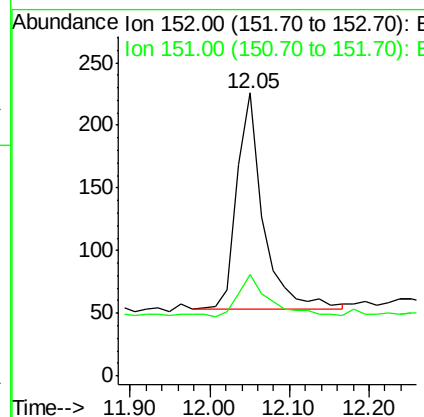
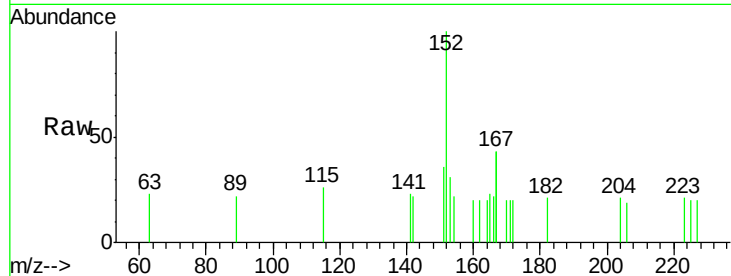
#11
2-Methylnaphthalene-d10
Concen: 0.071 ng
RT: 12.05 min Scan# 752
Delta R.T. 0.00 min
Lab File: BE100270.D
Acq: 1 Jul 2019 17:55

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW162-061319DL

Tot Ion:152 Resp: 398
Ion Ratio Lower Upper
152 100
151 23.6 15.1 22.7#

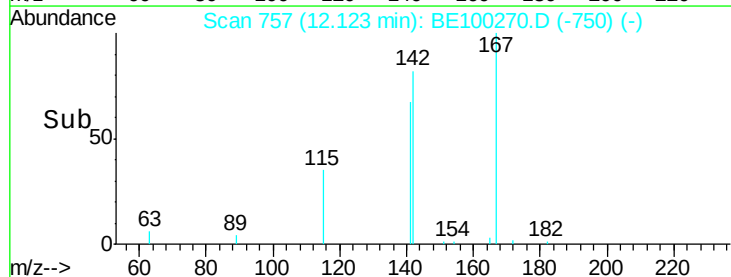
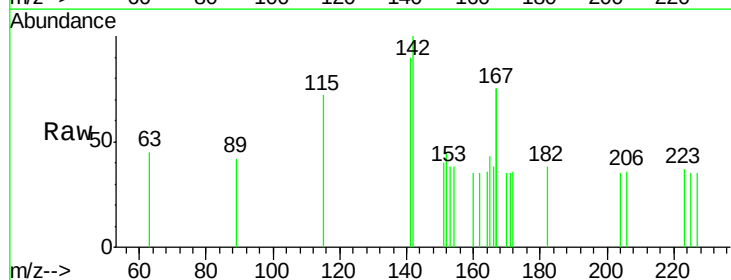
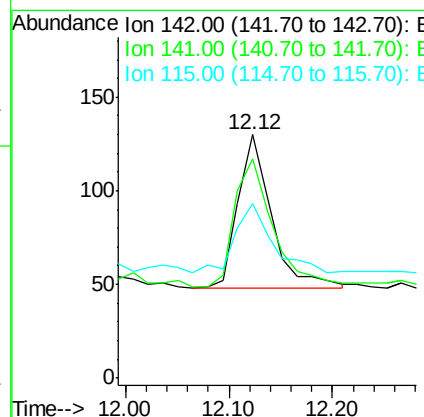
Manual Integrations
APPROVED

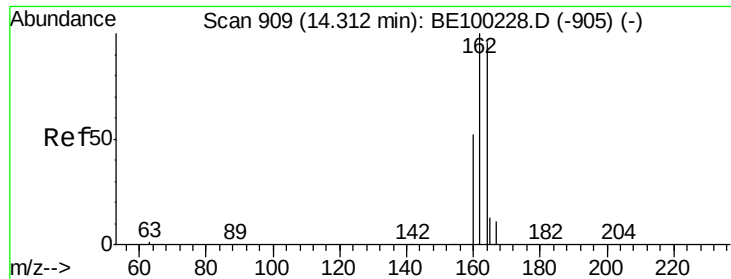
mohammad
7/3/2019 9:47:58 AM



#12
2-Methylnaphthalene
Concen: 0.032 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100270.D
Acq: 1 Jul 2019 17:55

Tgt Ion:142 Resp: 184
Ion Ratio Lower Upper
142 100
141 90.0 72.4 108.6
115 71.5 40.4 60.6#





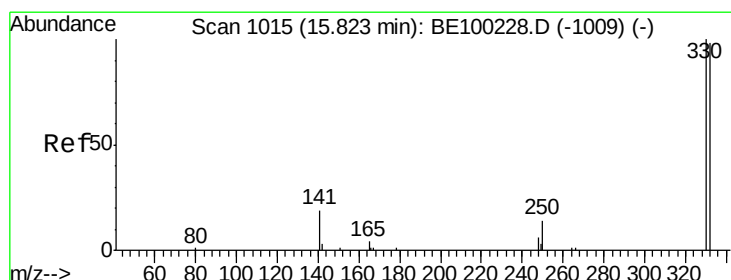
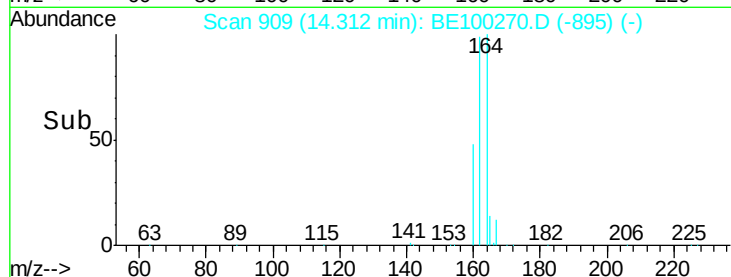
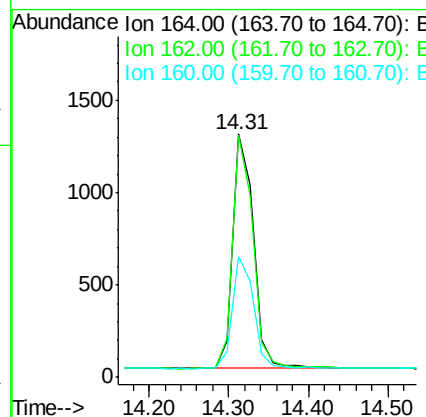
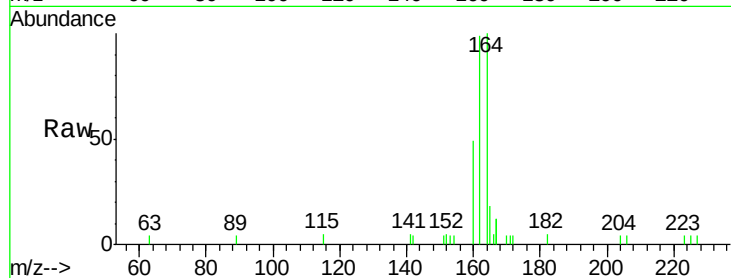
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100270.D
Acq: 1 Jul 2019 17:55

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW162-061319DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.3	83.4	125.0
160	49.5	45.0	67.6

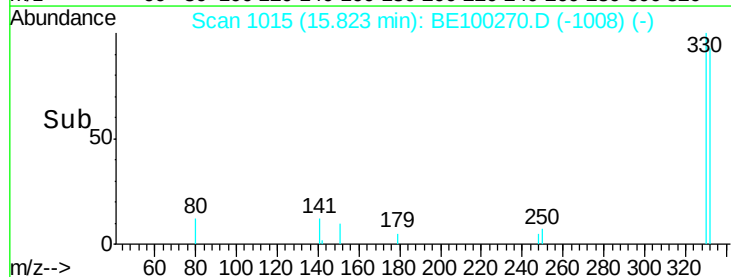
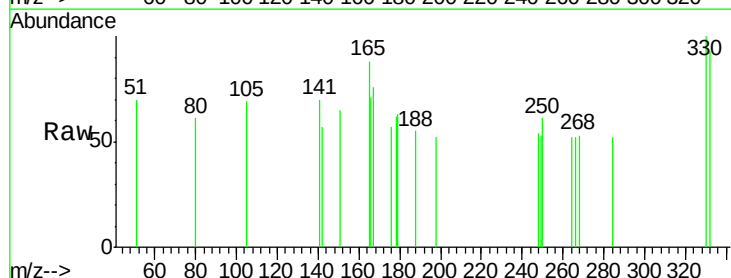
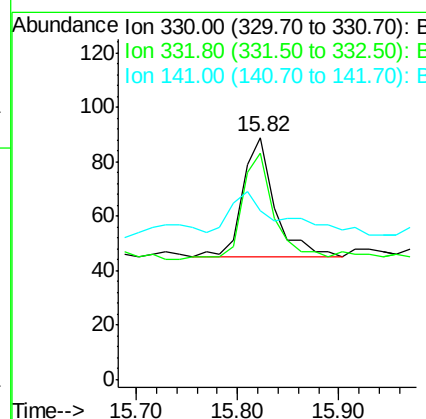
Manual Integrations
APPROVED

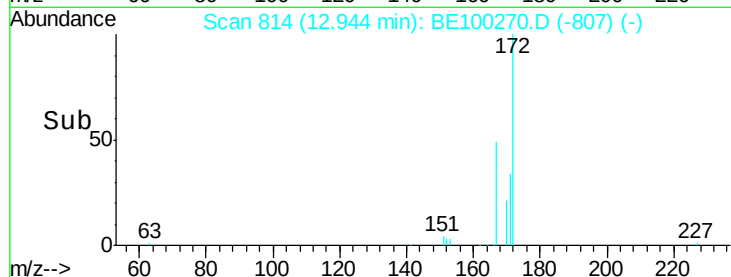
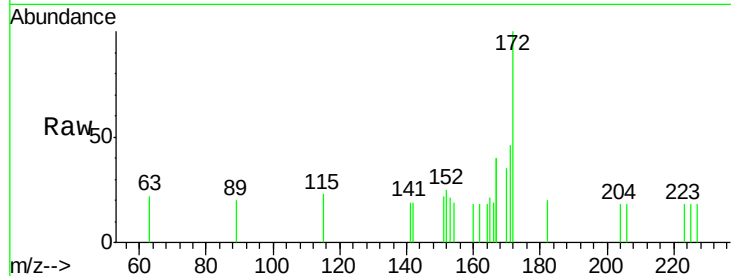
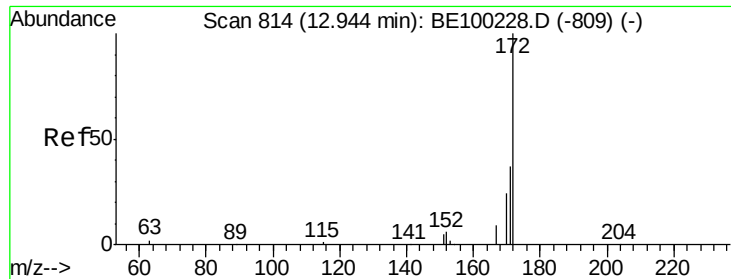
mohammad
7/3/2019 9:47:58 AM



#14
2,4,6-Tribromophenol
Concen: 0.060 ng
RT: 15.82 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BE100270.D
Acq: 1 Jul 2019 17:55

Tgt Ion	Ratio	Lower	Upper
330	100		
332	80.4	77.0	115.4
141	57.7	22.0	33.0





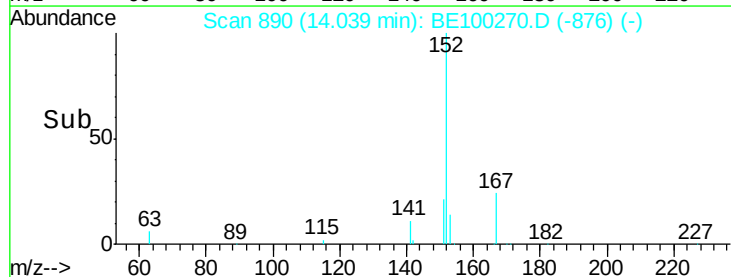
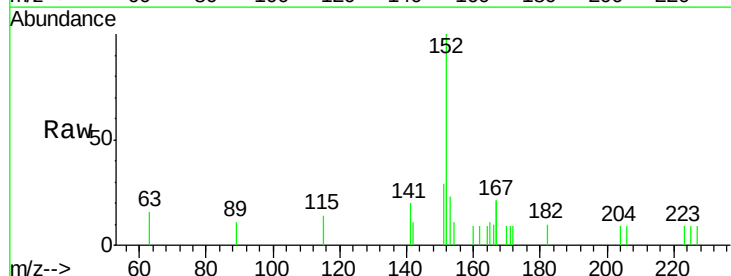
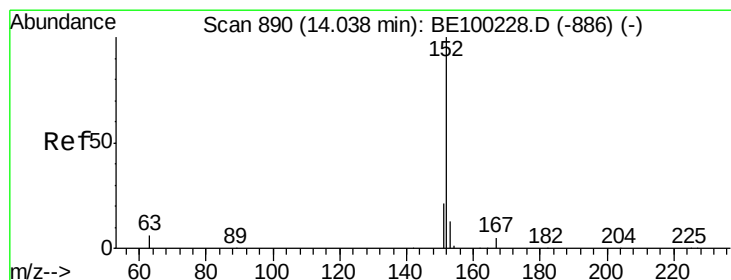
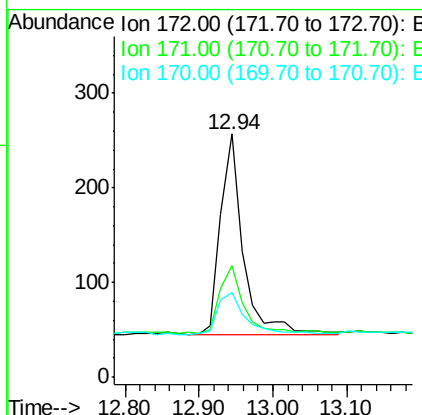
#15
2-Fluorobiphenyl
Concen: 0.051 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100270.D
Acq: 1 Jul 2019 17:55

Tot Ion	Ratio	Lower	Upper
172	100		
171	45.9	31.9	47.9
170	34.6	22.2	33.2

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW162-061319DL

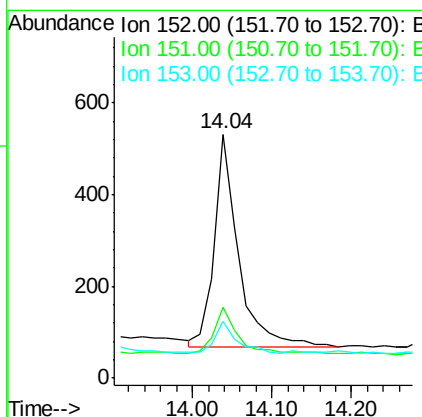
Manual Integrations
APPROVED

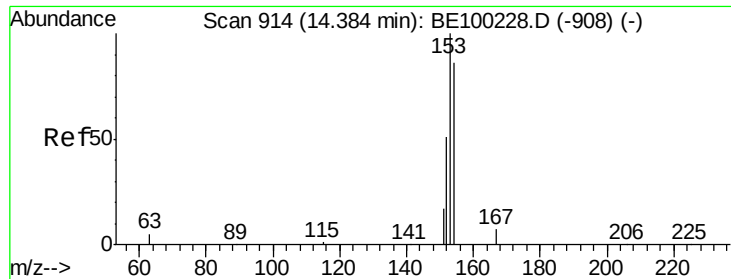
mohammad
7/3/2019 9:47:58 AM



#16
Acenaphthylene
Concen: 0.089 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100270.D
Acq: 1 Jul 2019 17:55

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.6	16.6	25.0
153	13.5	10.5	15.7





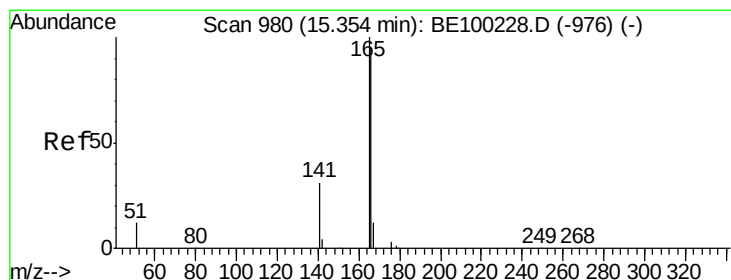
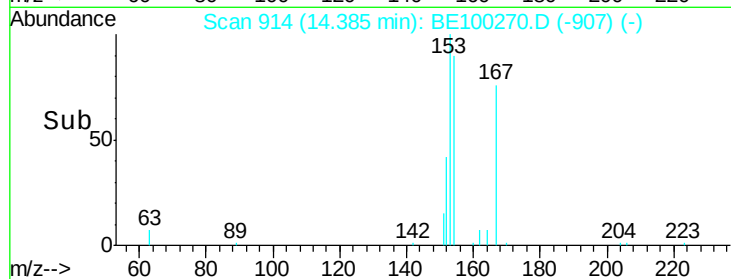
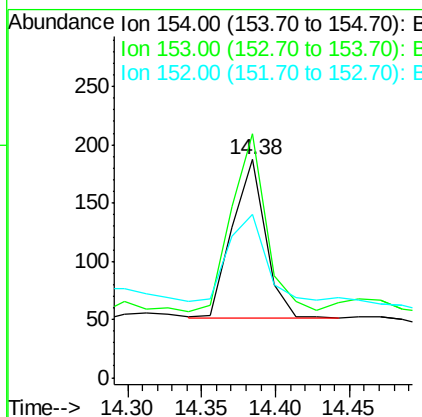
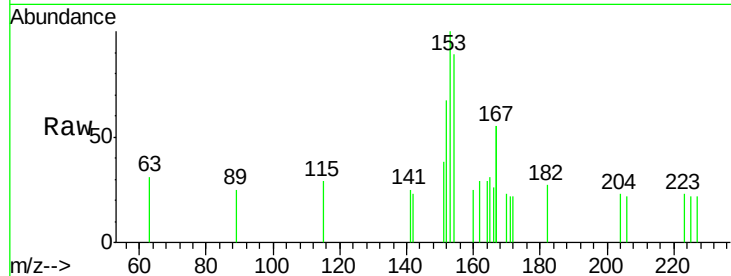
#17
Acenaphthene
Concen: 0.034 ng
RT: 14.38 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100270.D
Acq: 1 Jul 2019 17:55

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW162-061319DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.9	93.4	140.2
152	71.5	49.4	74.2

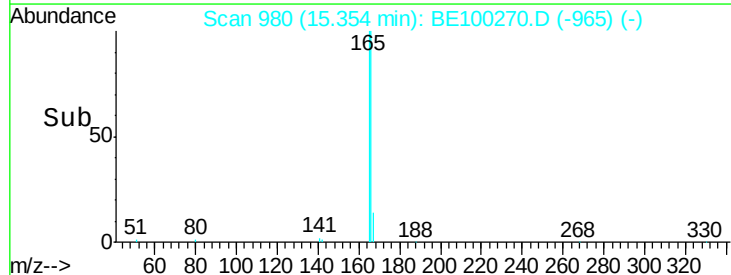
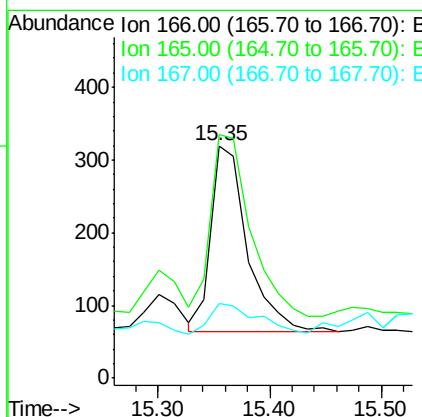
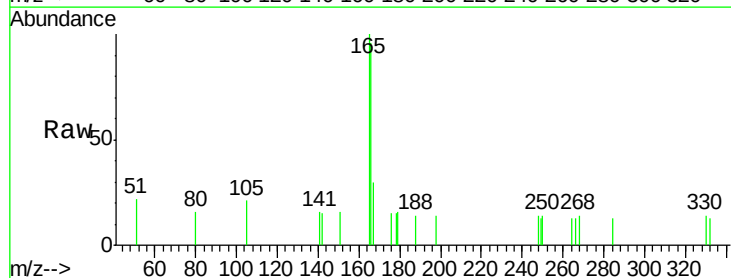
Manual Integrations
APPROVED

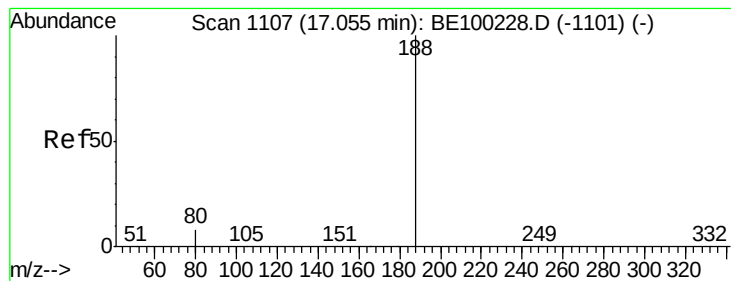
mohammad
7/3/2019 9:47:58 AM



#18
Fluorene
Concen: 0.063 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100270.D
Acq: 1 Jul 2019 17:55

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.7	81.1	121.7
167	21.2	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: BE100270.D

Acq: 1 Jul 2019 17:55

Instrument :

BNA_E

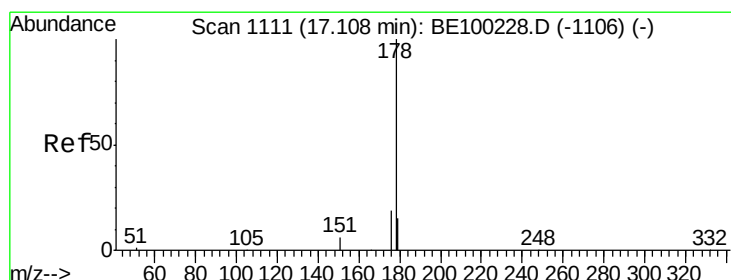
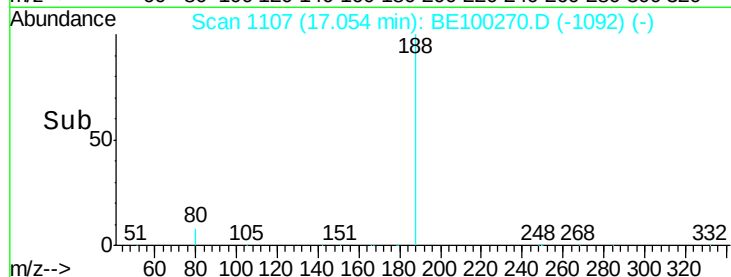
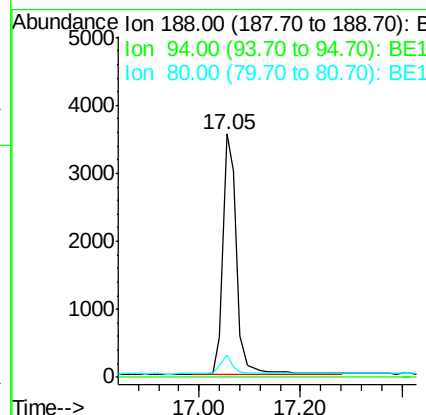
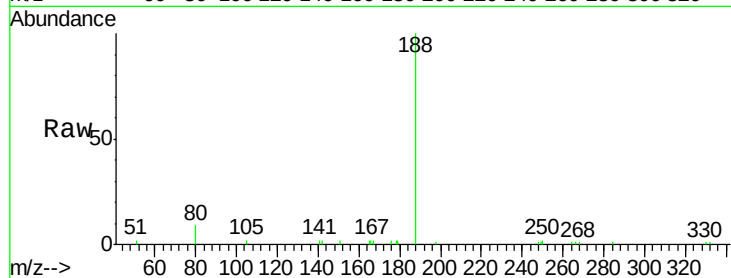
ClientSampleId :

EXT-013-SW162-061319DL

Tot Ion:	188	Resp:	6502
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.2	7.6	11.4

Manual Integrations
APPROVED

mohammad
7/3/2019 9:47:58 AM



#23

Phenanthrene

Concen: 0.885 ng

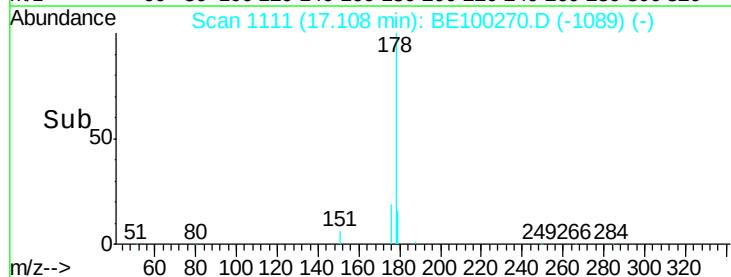
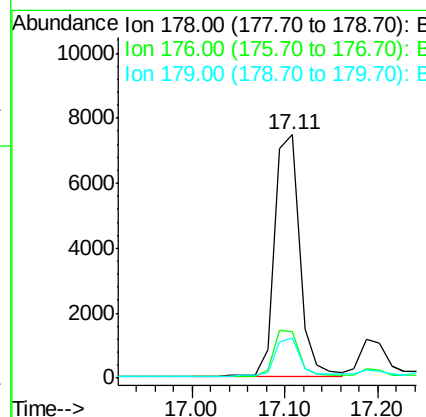
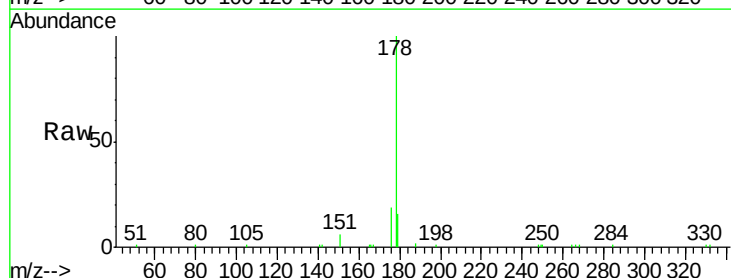
RT: 17.11 min Scan# 1111

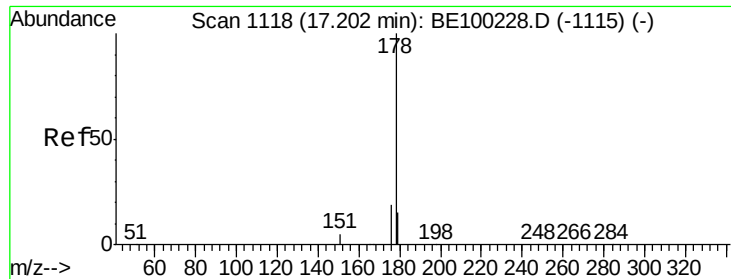
Delta R.T. -0.00 min

Lab File: BE100270.D

Acq: 1 Jul 2019 17:55

Tgt Ion:	178	Resp:	13951
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.9	23.9
179	15.7	12.2	18.2





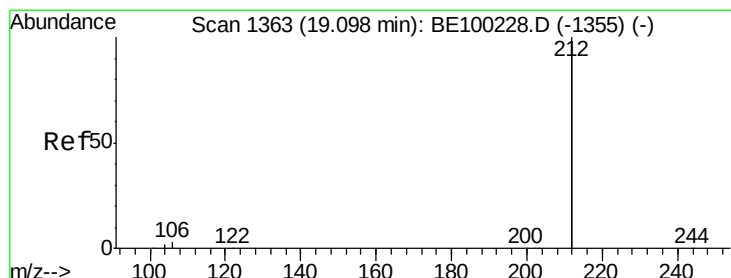
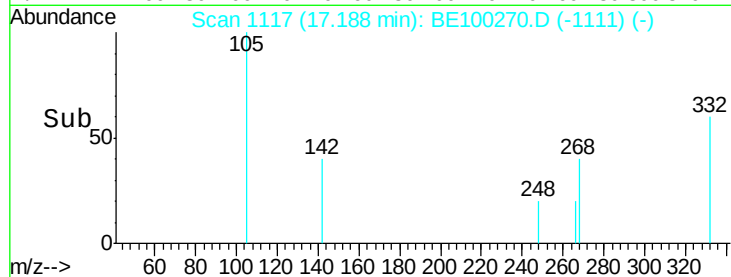
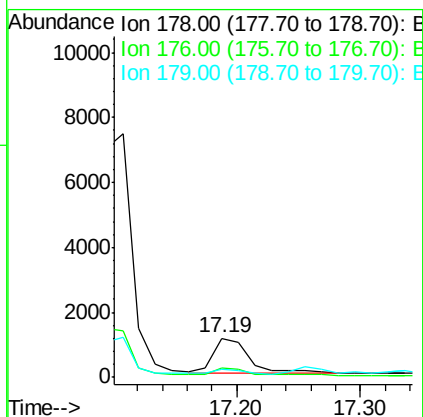
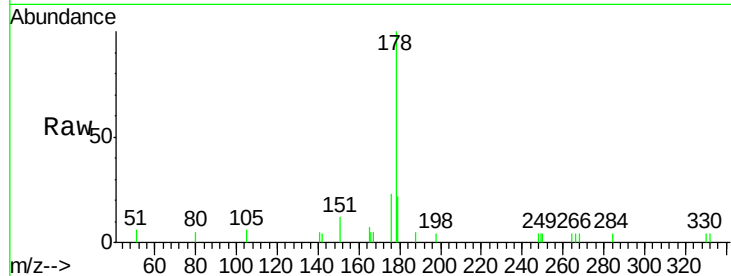
#24
 Anthracene
 Concen: 0.151 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BE100270.D
 Acq: 1 Jul 2019 17:55

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW162-061319DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.3	22.9
179	14.9	12.2	18.2

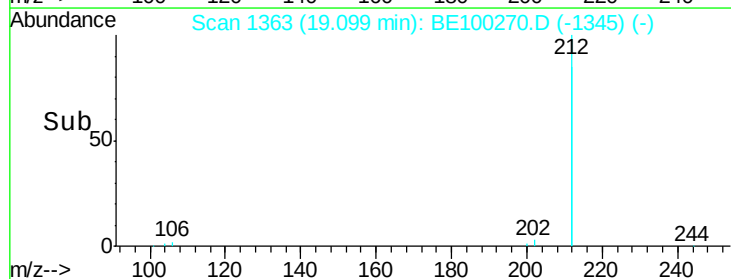
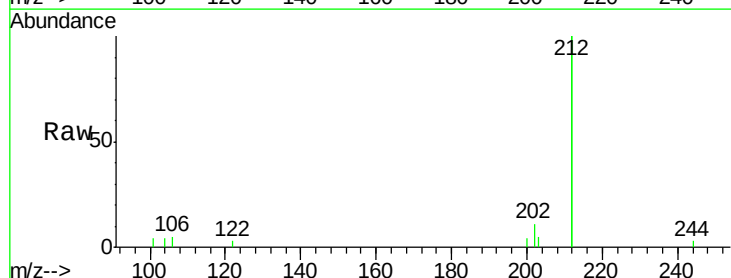
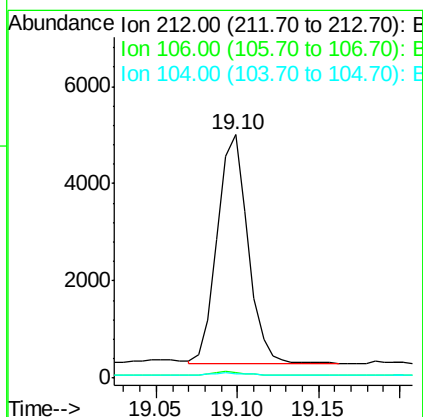
Manual Integrations
 APPROVED

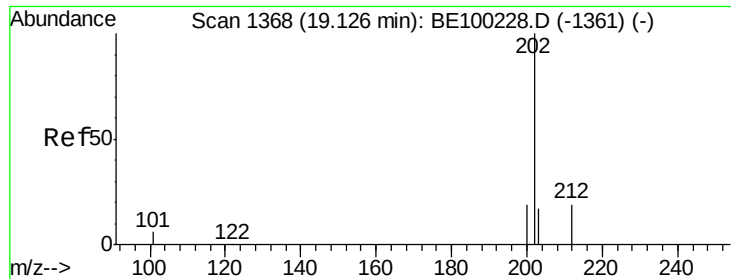
mohammad
 7/3/2019 9:47:58 AM



#25
 Fluoranthene-d10
 Concen: 0.066 ng
 RT: 19.10 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: BE100270.D
 Acq: 1 Jul 2019 17:55

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.3	1.9
104	1.2	0.8	1.2





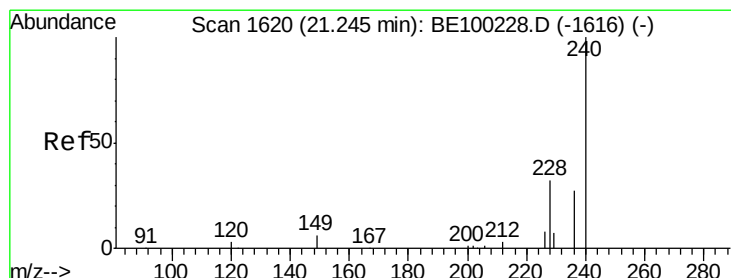
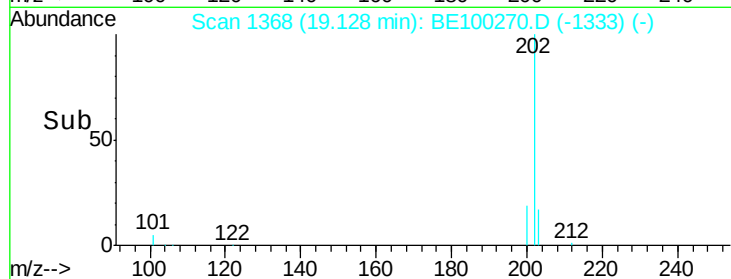
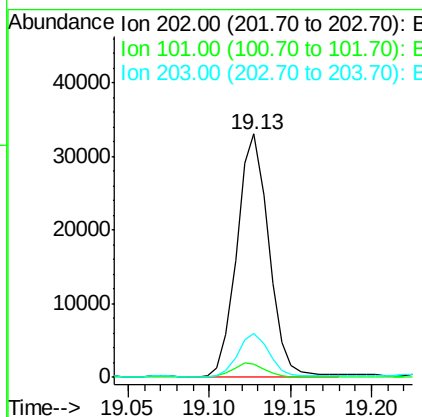
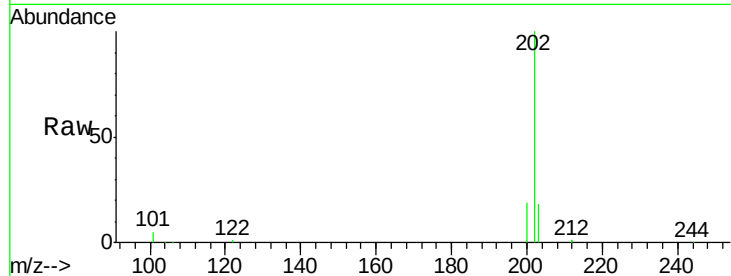
#26
Fluoranthene
Concen: 1.782 ng
RT: 19.13 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE100270.D
Acq: 1 Jul 2019 17:55

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW162-061319DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.8	4.6	7.0
203	17.5	13.7	20.5

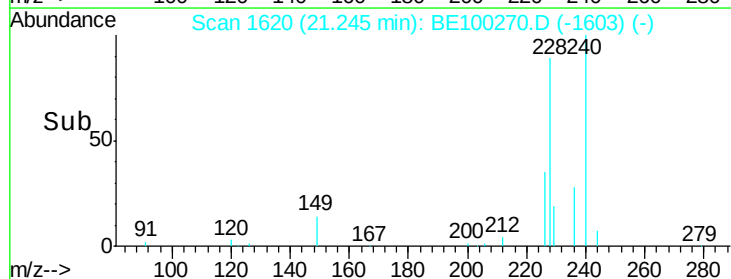
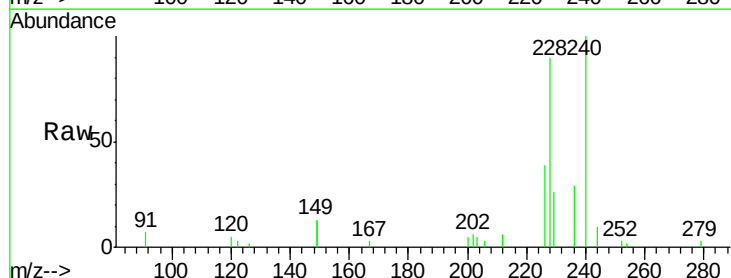
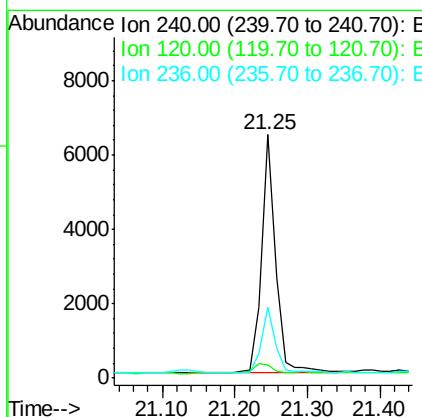
Manual Integrations
APPROVED

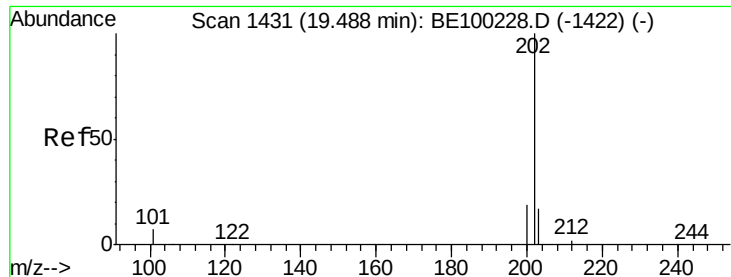
mohammad
7/3/2019 9:47:58 AM



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100270.D
Acq: 1 Jul 2019 17:55

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.5	3.3	4.9#
236	29.2	22.6	34.0





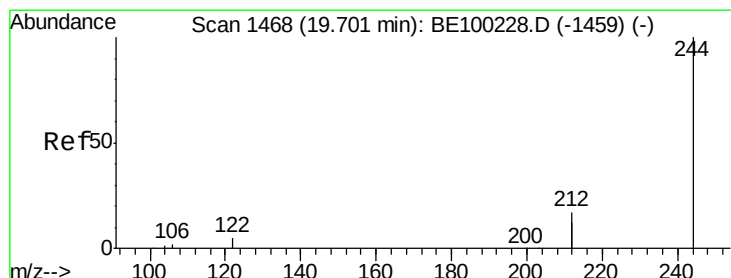
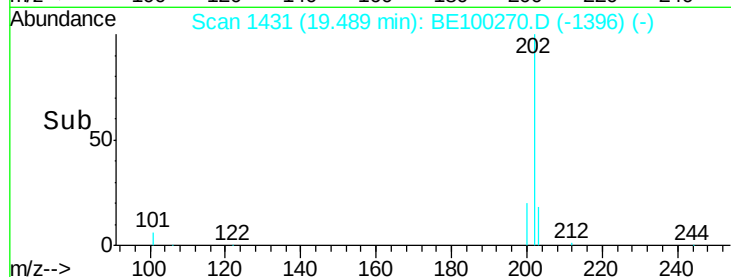
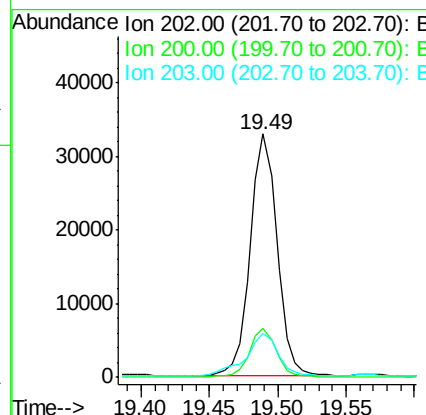
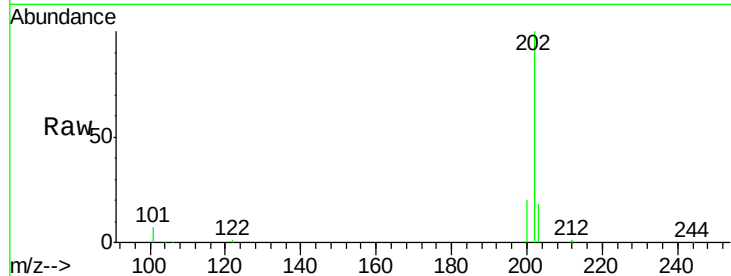
#28
 Pvrene
 Concen: 2.018 ng
 RT: 19.49 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: BE100270.D
 Acq: 1 Jul 2019 17:55

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW162-061319DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.6	23.4
203	21.6	14.0	21.0#

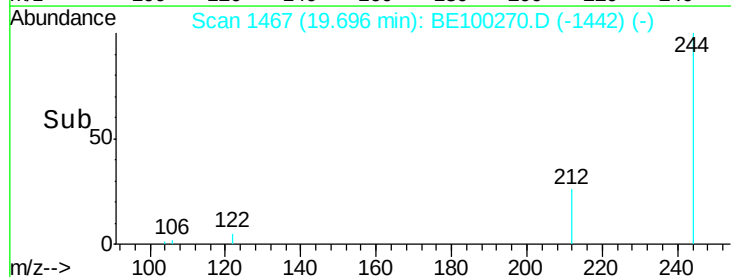
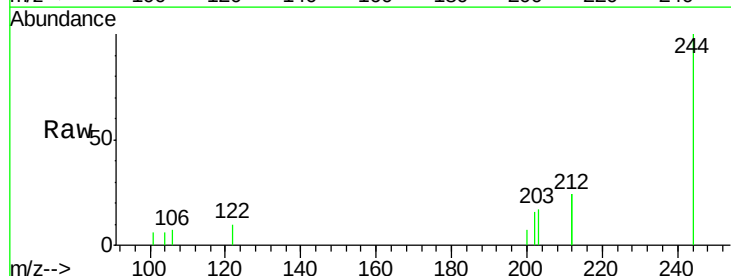
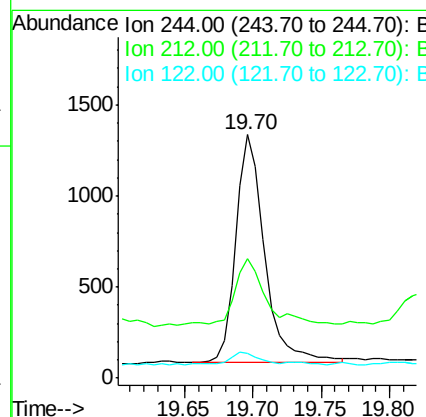
Manual Integrations
 APPROVED

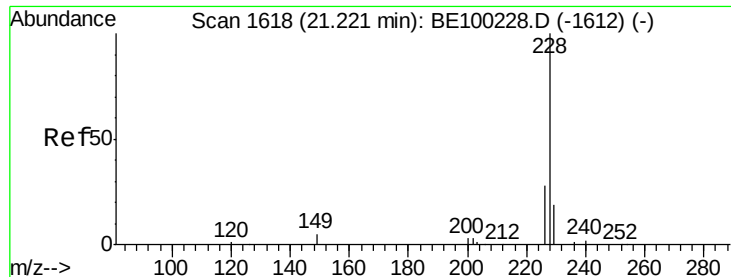
mohammad
 7/3/2019 9:47:58 AM



#29
 Terphenyl-d14
 Concen: 0.106 ng
 RT: 19.70 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: BE100270.D
 Acq: 1 Jul 2019 17:55

Tgt Ion	Ratio	Lower	Upper
244	100		
212	48.9	27.3	40.9#
122	10.1	4.7	7.1#





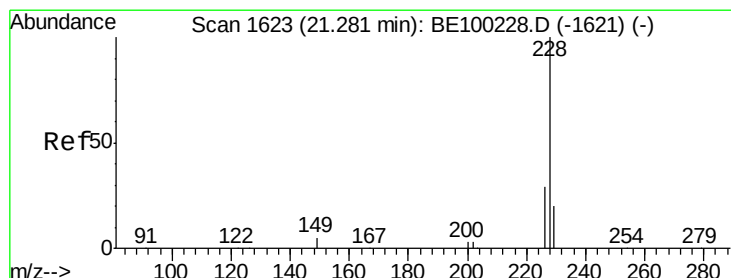
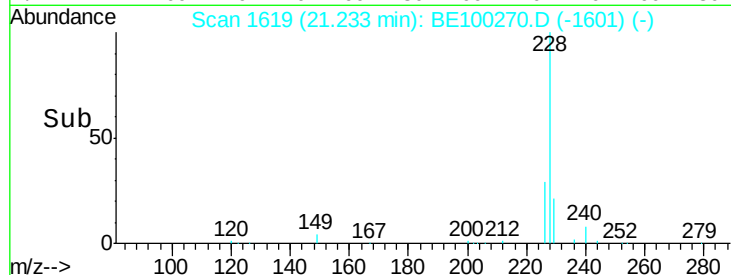
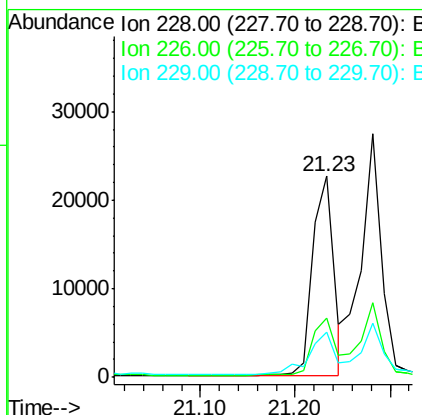
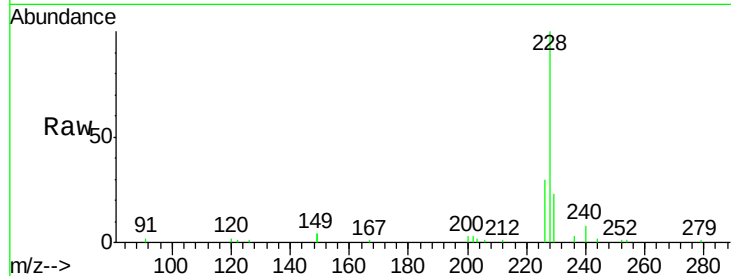
#30
Benzo(a)anthracene
Concen: 1.258 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100270.D
Acq: 1 Jul 2019 17:55

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW162-061319DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.2	34.8
229	22.8	15.7	23.5

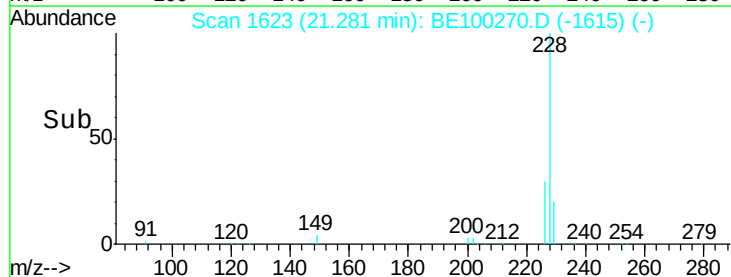
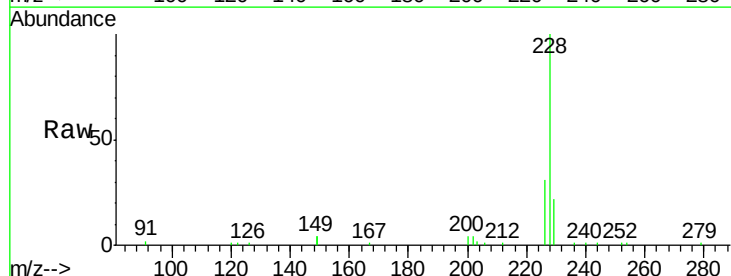
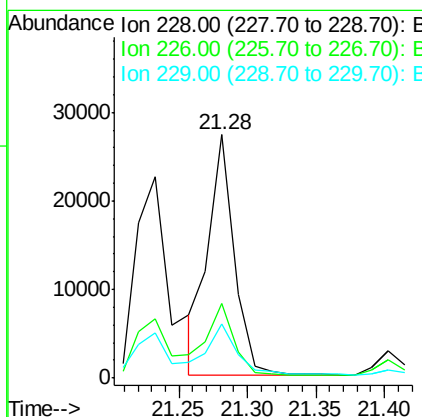
Manual Integrations
APPROVED

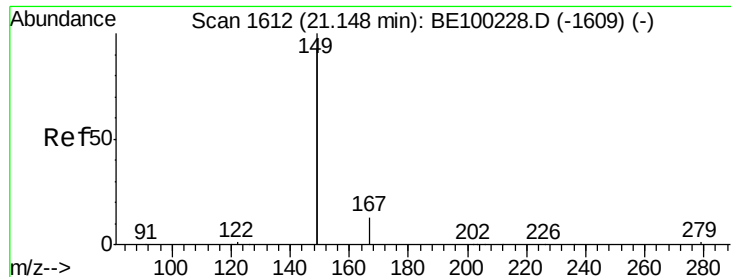
mohammad
7/3/2019 9:47:58 AM



#31
Chrysene
Concen: 1.296 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100270.D
Acq: 1 Jul 2019 17:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.9	35.9
229	22.1	16.5	24.7





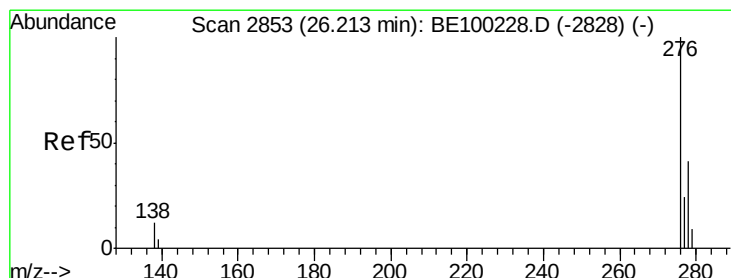
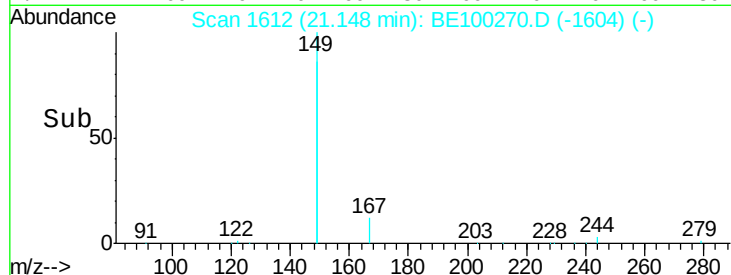
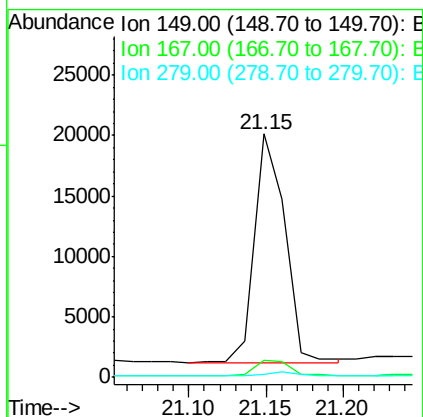
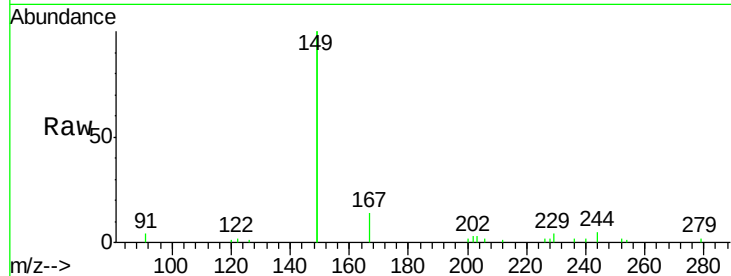
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.604 ng
 RT: 21.15 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: BE100270.D
 Acq: 1 Jul 2019 17:55

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW162-061319DL

Tot Ion:	149	Resp:	25795
Ion Ratio	Lower	Upper	
149	100		
167	7.2	5.8	8.8
279	1.6	1.1	1.7

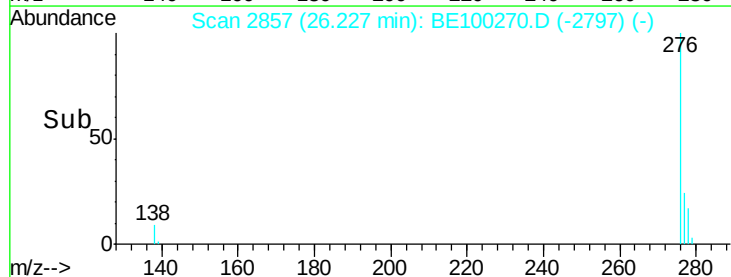
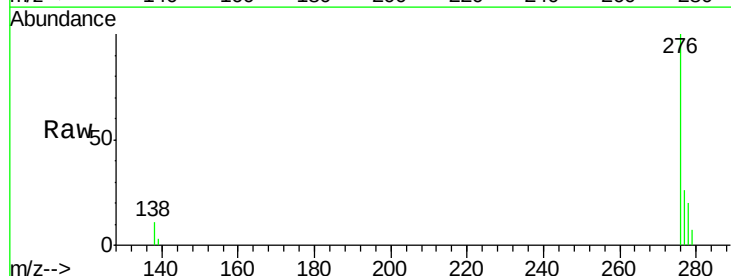
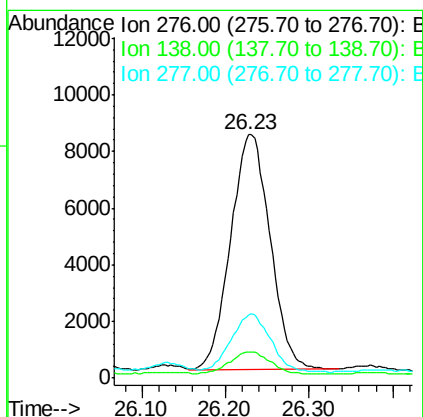
Manual Integrations
 APPROVED

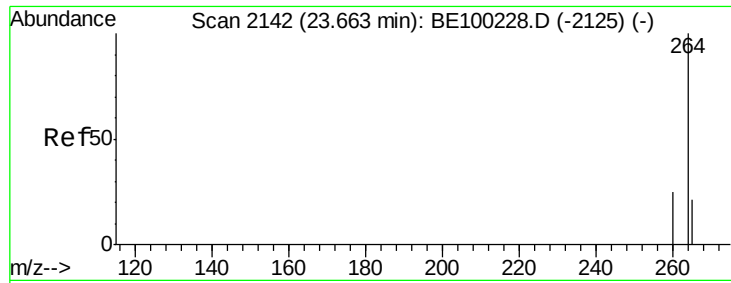
mohammad
 7/3/2019 9:47:58 AM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.743 ng
 RT: 26.23 min Scan# 2857
 Delta R.T. 0.01 min
 Lab File: BE100270.D
 Acq: 1 Jul 2019 17:55

Tgt Ion:	276	Resp:	27238
Ion Ratio	Lower	Upper	
276	100		
138	9.6	9.4	14.0
277	24.6	19.2	28.8





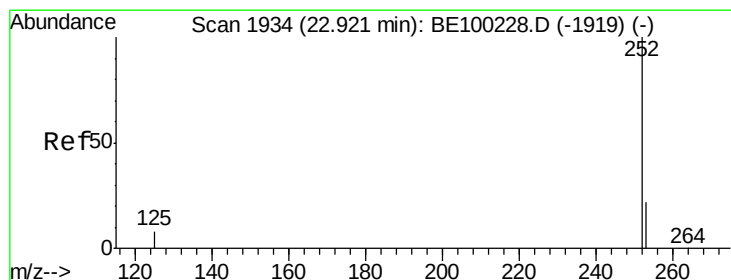
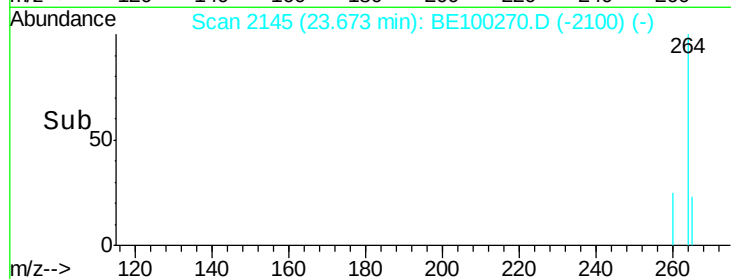
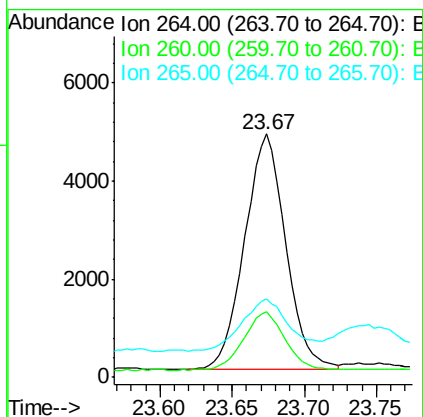
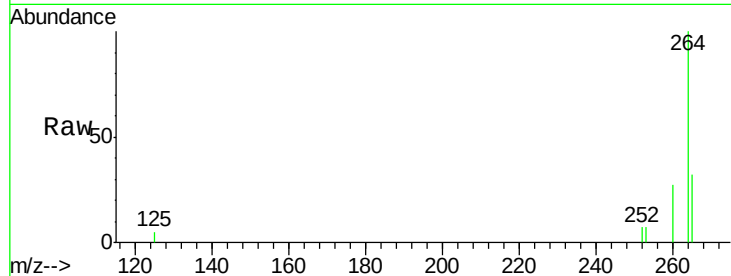
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.67 min Scan# 2145
 Delta R.T. 0.01 min
 Lab File: BE100270.D
 Acq: 1 Jul 2019 17:55

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW162-061319DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.9	20.8	31.2
265	32.0	21.8	32.6

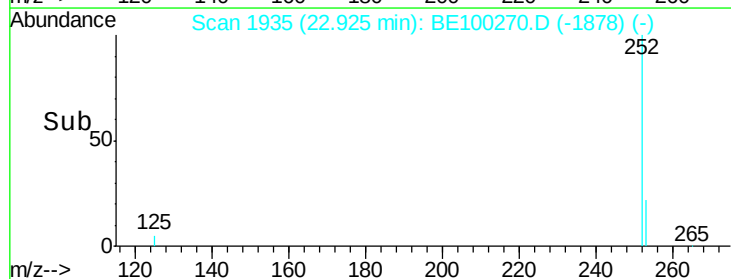
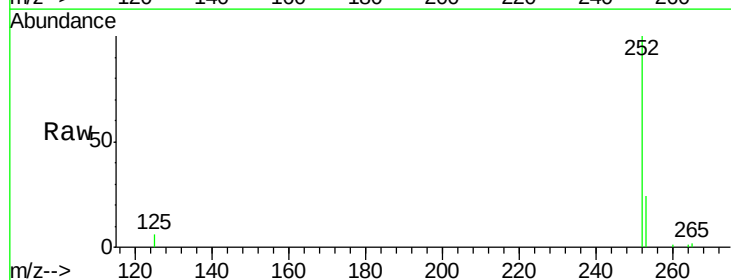
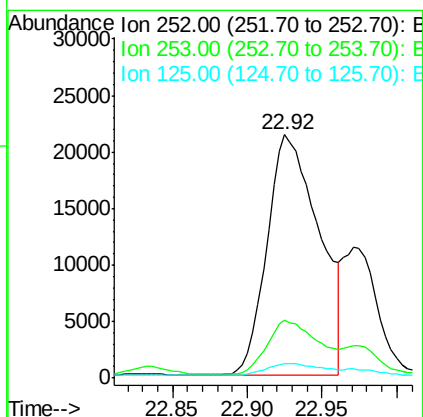
Manual Integrations
 APPROVED

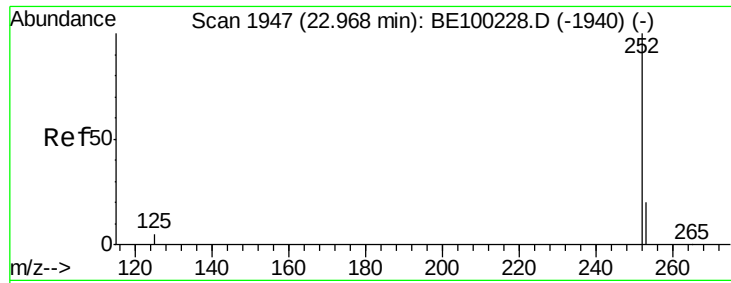
mohammad
 7/3/2019 9:47:58 AM



#35
 Benzo(b)fluoranthene
 Concen: 2.024 ng
 RT: 22.92 min Scan# 1935
 Delta R.T. 0.00 min
 Lab File: BE100270.D
 Acq: 1 Jul 2019 17:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.2	28.8
125	6.0	7.4	11.0





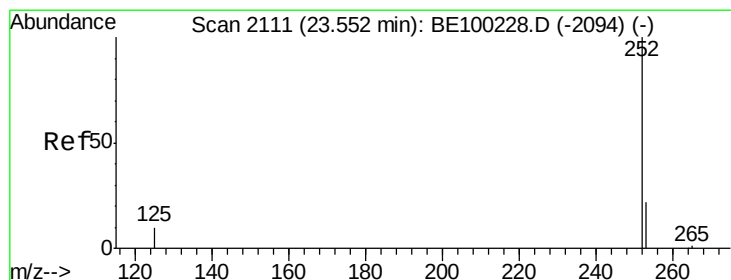
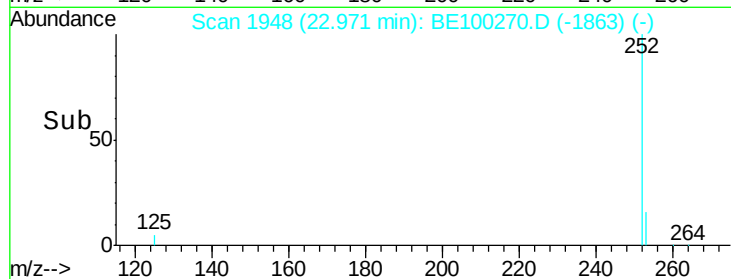
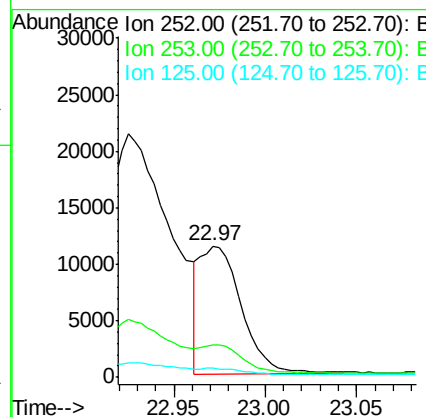
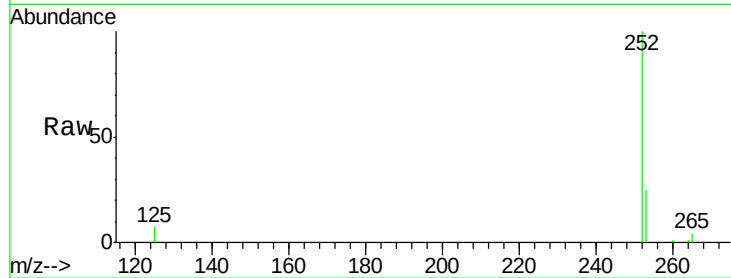
#36
Benzo(k)fluoranthene
Concen: 0.639 ng m
RT: 22.97 min Scan# 1948
Delta R.T. 0.00 min
Lab File: BE100270.D
Acq: 1 Jul 2019 17:55

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW162-061319DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	6.8	5.0	7.4

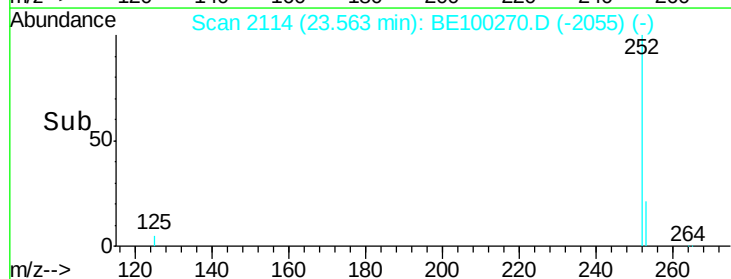
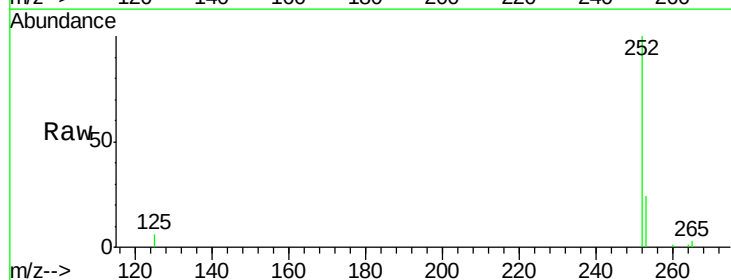
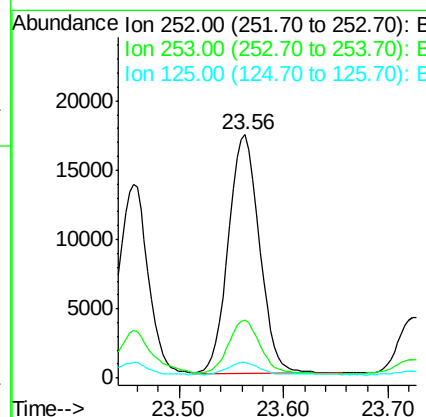
Manual Integrations
APPROVED

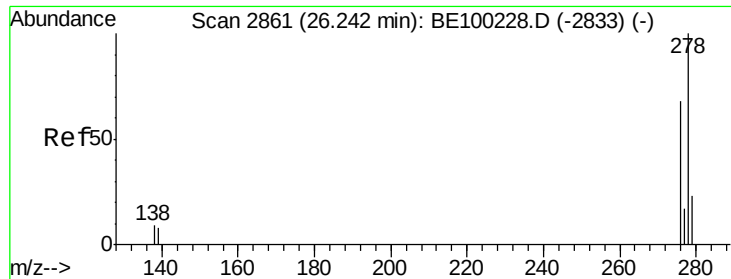
mohammad
7/3/2019 9:47:58 AM



#37
Benzo(a)pyrene
Concen: 1.390 ng
RT: 23.56 min Scan# 2114
Delta R.T. 0.01 min
Lab File: BE100270.D
Acq: 1 Jul 2019 17:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.6	29.4
125	6.4	9.0	13.6#





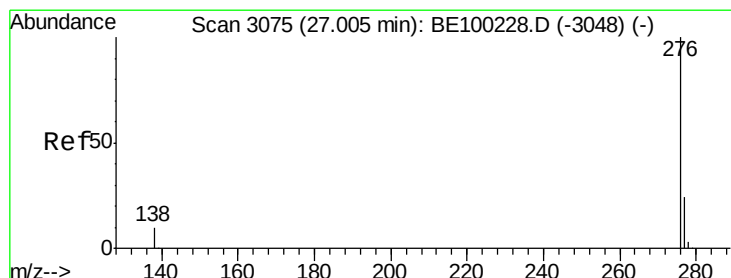
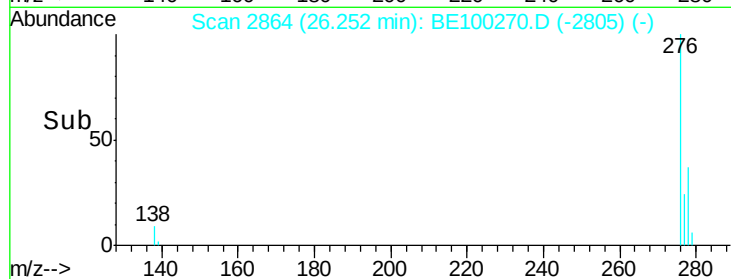
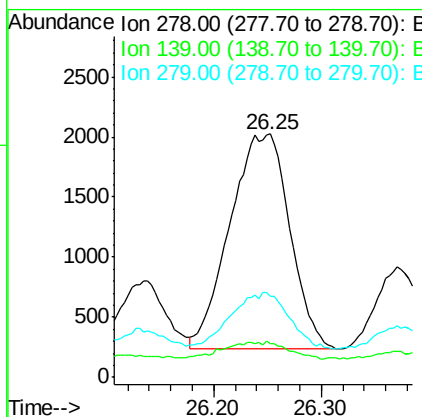
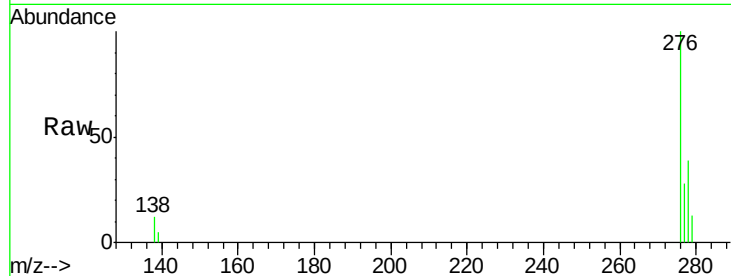
#38
Dibenzo(a,h)anthracene
Concen: 0.259 ng/mL
RT: 26.25 min Scan# 2864
Delta R.T. 0.01 min
Lab File: BE100270.D
Acq: 1 Jul 2019 17:55

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW162-061319DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.8	8.2	12.2
279	33.5	20.3	30.5

Manual Integrations
APPROVED

mohammad
7/3/2019 9:47:58 AM



#39
Benzo(g,h,i)perylene
Concen: 1.033 ng/mL
RT: 27.02 min Scan# 3080
Delta R.T. 0.02 min
Lab File: BE100270.D
Acq: 1 Jul 2019 17:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	20.2	30.2
138	10.3	9.0	13.6

