

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
 Data File : BE100376.D
 Acq On : 5 Jul 2019 11:57
 Operator : JU/SJ
 Sample : K3560-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW149-062419

Manual Integrations
 APPROVED

mohammad
 7/8/2019 2:13:30 PM

Quant Time: Jul 08 05:42:10 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	7.62	152	536	0.40	ng	-0.02
7) Naphthalene-d8	10.42	136	1647	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	1346	0.40	ng	-0.01
19) Phenanthrene-d10	17.05	188	4657	0.40	ng	0.00
27) Chrysene-d12	21.23	240	6863	0.40	ng	-0.01
34) Perylene-d12	23.65	264	8199	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.19	112	591	0.43	ng	-0.02
5) Phenol-d6	6.82	99	704	0.39	ng	-0.02
8) Nitrobenzene-d5	8.81	82	511	0.31	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1163	0.38	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	488	0.52	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	1934	0.37	ng	-0.01
25) Fluoranthene-d10	19.09	212	25789	0.38	ng	-0.01
29) Terphenyl-d14	19.68	244	5038	0.35	ng	-0.02
Target Compounds						Qvalue
16) Acenaphthylene	14.02	152	193	0.030	ng	# 83
23) Phenanthrene	17.09	178	1754	0.155	ng	98
26) Fluoranthene	19.12	202	4150	0.231	ng	99
28) Pyrene	19.48	202	4993	0.275	ng	98
30) Benzo(a)anthracene	21.22	228	2303	0.102	ng	# 88
31) Chrysene	21.27	228	2980	0.132	ng	# 92
32) Bis(2-ethylhexyl)phthalate	21.14	149	3313	0.046	ng	98
33) Indeno(1,2,3-cd)pyrene	26.21	276	1752	0.058	ng	# 93
35) Benzo(b)fluoranthene	22.92	252	3354	0.151	ng	# 85
36) Benzo(k)fluoranthene	22.95	252	1601m	0.065	ng	
37) Benzo(a)pyrene	23.54	252	2262	0.102	ng	# 70
39) Benzo(a,h,i)perylene	26.99	276	2097	0.088	ng	# 79

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

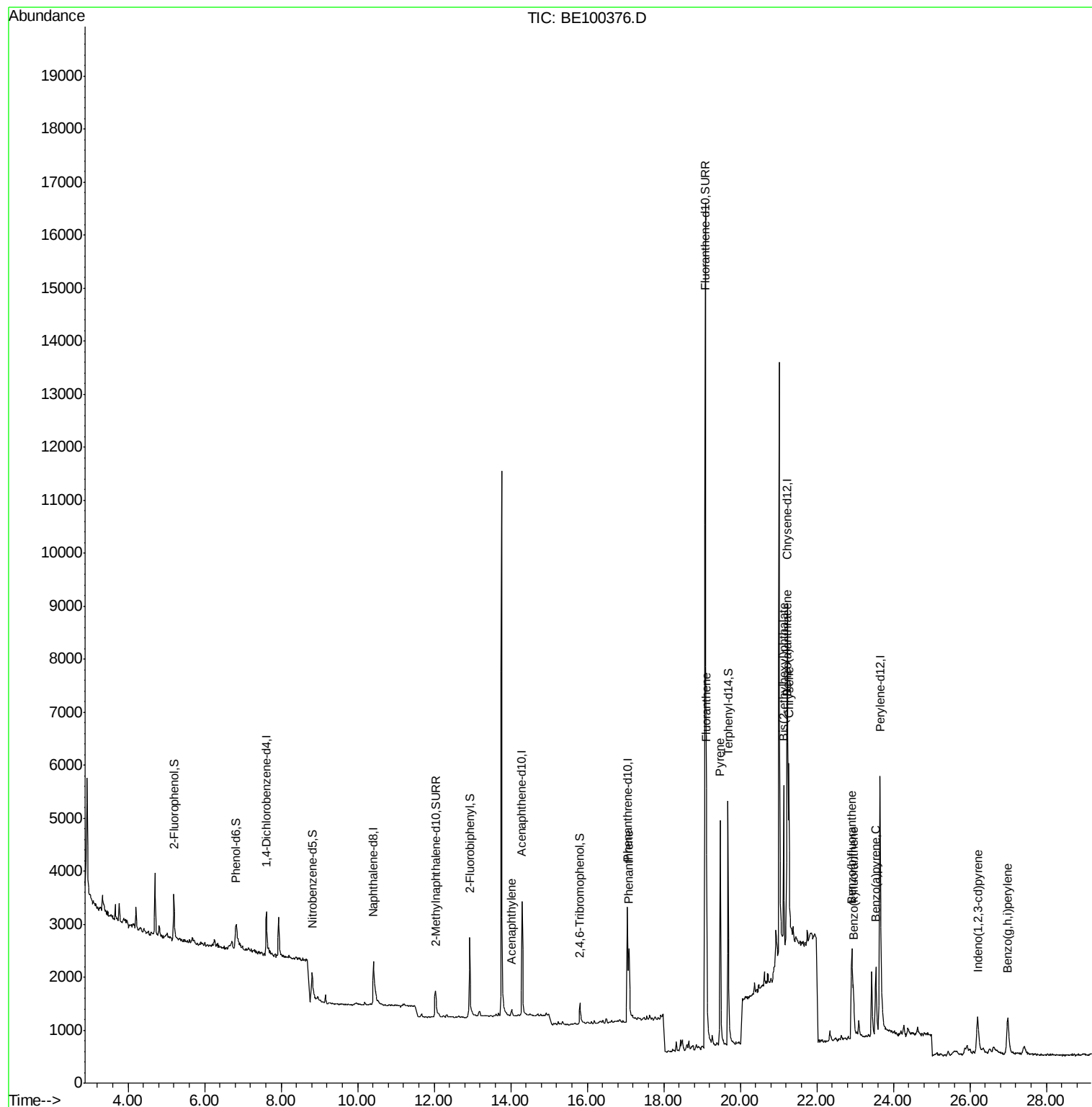
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
Data File : BE100376.D
Acq On : 5 Jul 2019 11:57
Operator : JU/SJ
Sample : K3560-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW149-062419

Manual Integrations
APPROVED

mohammad
7/8/2019 2:13:30 PM

Quant Time: Jul 08 05:42:10 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

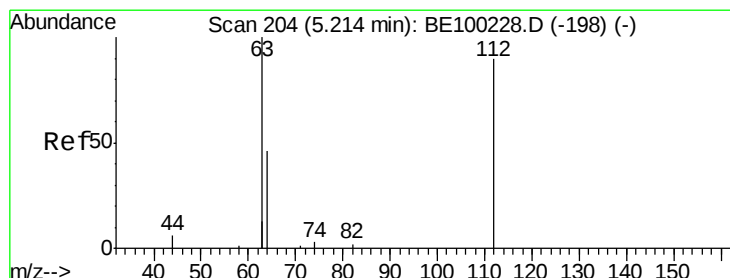
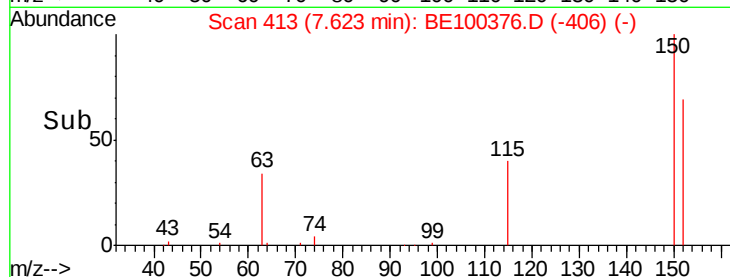
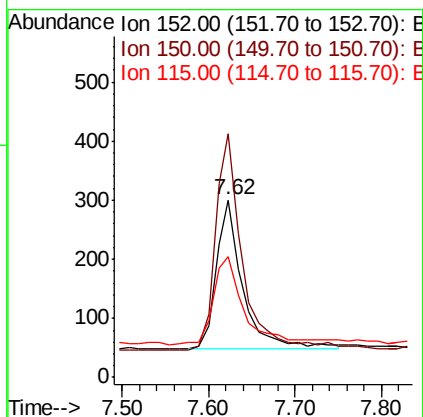
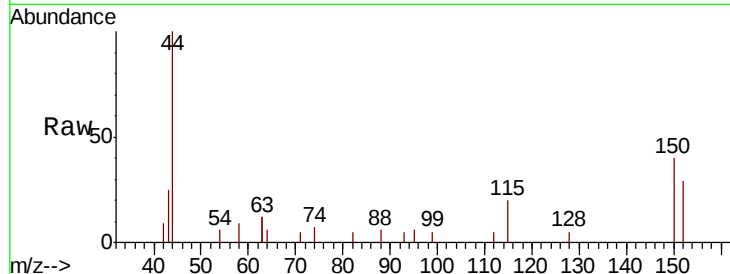
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 413
Delta R.T. -0.02 min
Lab File: BE100376.D
Acq: 5 Jul 2019 11:57

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW149-062419

Tot Ion	Ratio	Lower	Upper
152	100		
150	137.3	114.5	171.7
115	68.3	57.1	85.7

Manual Integrations
APPROVED

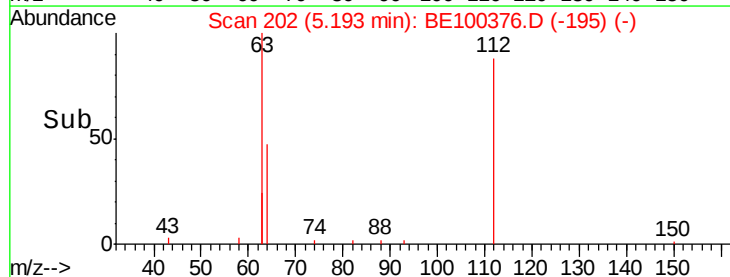
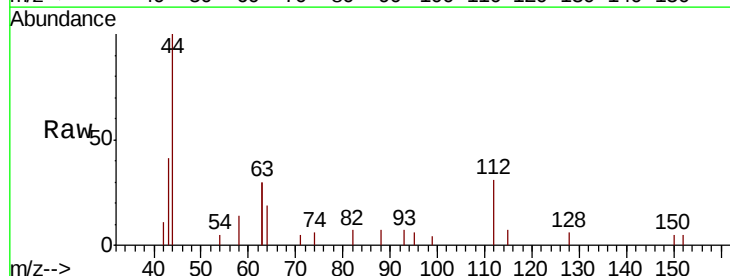
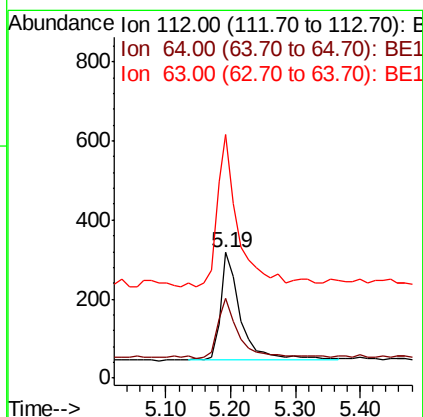
mohammad
7/8/2019 2:13:30 PM



#4

2-Fluorophenol
Concen: 0.432 ng
RT: 5.19 min Scan# 202
Delta R.T. -0.02 min
Lab File: BE100376.D
Acq: 5 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	39.4	59.0#
63	148.2	104.5	156.7





#5

Phenol-d6

Concen: 0.392 ng

RT: 6.82 min Scan# 343

Delta R.T. -0.02 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

Instrument :

BNA_E

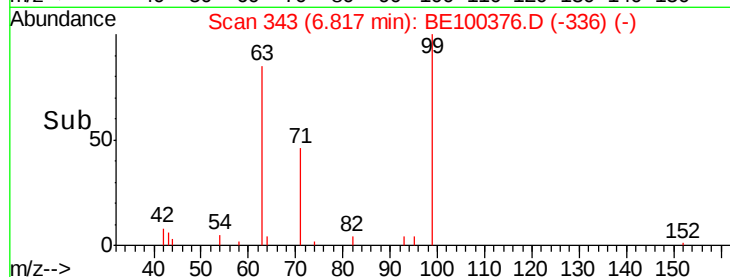
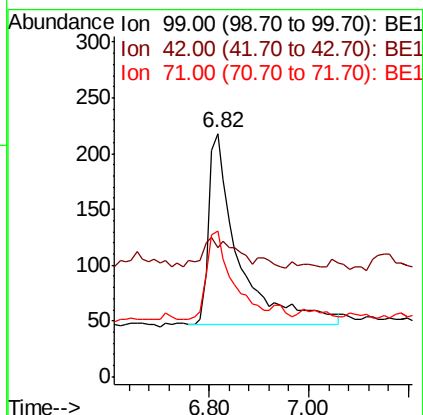
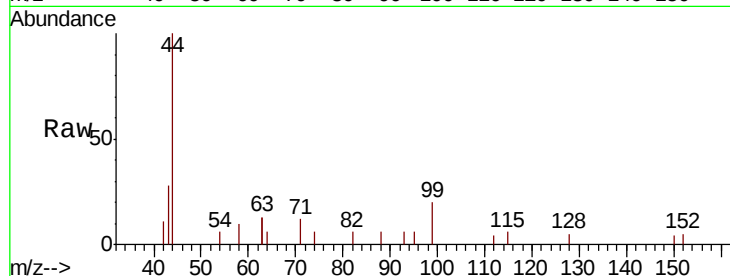
ClientSampleId :

EXT-009-SW149-062419

Tot Ion:	99	Resp:	704
Ion	Ratio	Lower	Upper
99	100		
42	16.6	11.2	16.8
71	39.2	37.2	55.8

Manual Integrations
APPROVED

mohammad
7/8/2019 2:13:30 PM



#7

Naphthalene-d8

Concen: 0.400 ng

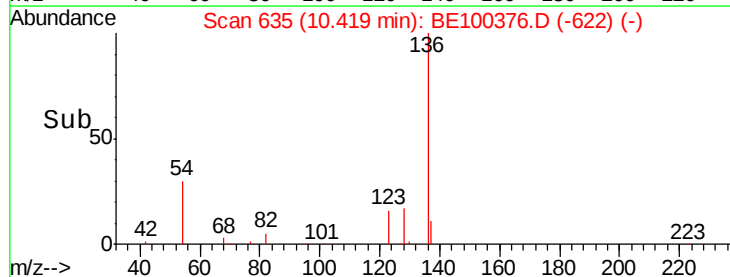
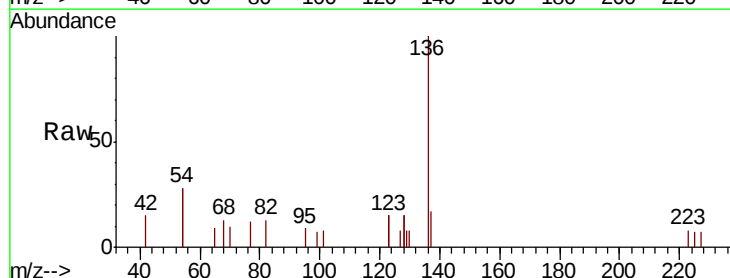
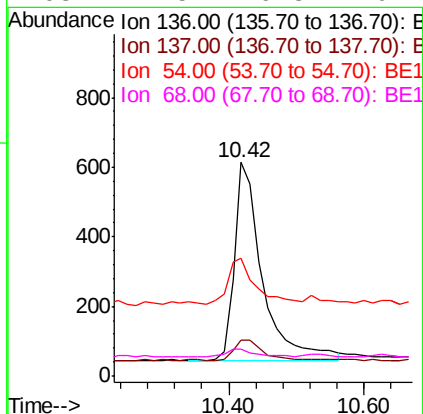
RT: 10.42 min Scan# 635

Delta R.T. -0.03 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

Tgt Ion:	136	Resp:	1647
Ion	Ratio	Lower	Upper
136	100		
137	17.1	11.8	17.8
54	55.4	27.7	41.5#
68	12.5	6.8	10.2#





#8

Nitrobenzene-d5

Concen: 0.312 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

Instrument :

BNA_E

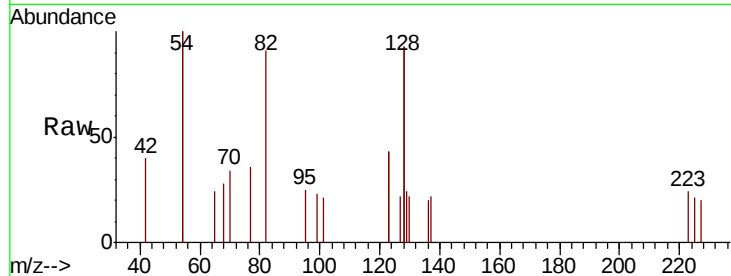
ClientSampleId :

EXT-009-SW149-062419

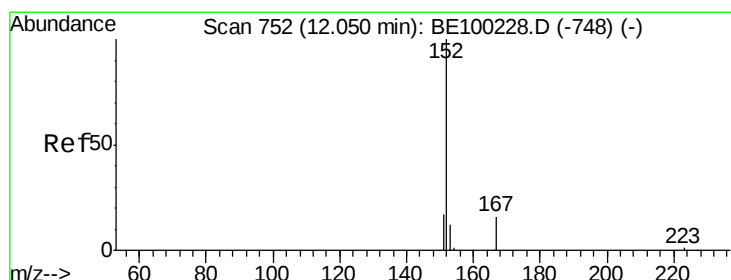
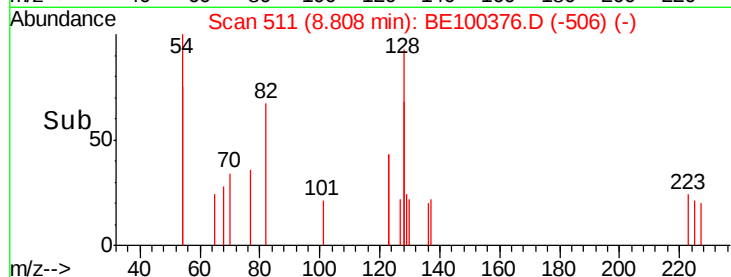
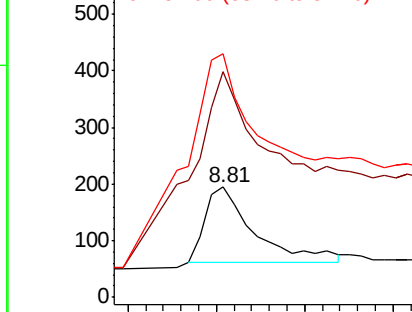
Tot Ion:	82	Resp:	511
Ion Ratio	Lower	Upper	
82	100		
128	204.1	140.9	211.3
54	220.5	146.2	219.2#

Manual Integrations
APPROVED

mohammad
7/8/2019 2:13:30 PM



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



#11

2-Methylnaphthalene-d10

Concen: 0.375 ng

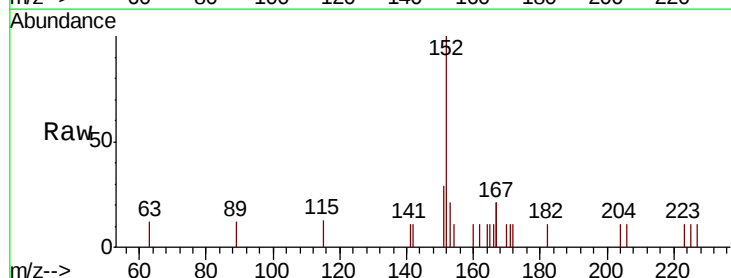
RT: 12.04 min Scan# 751

Delta R.T. -0.01 min

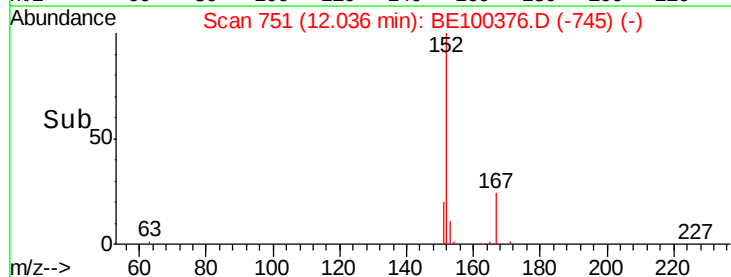
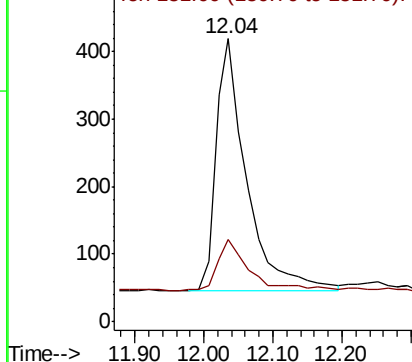
Lab File: BE100376.D

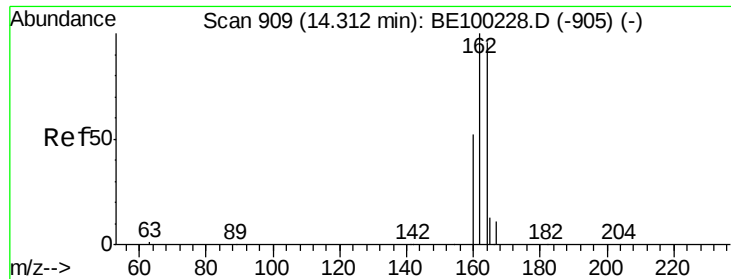
Acq: 5 Jul 2019 11:57

Tgt Ion:	152	Resp:	1163
Ion Ratio	Lower	Upper	
152	100		
151	23.3	15.1	22.7#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E





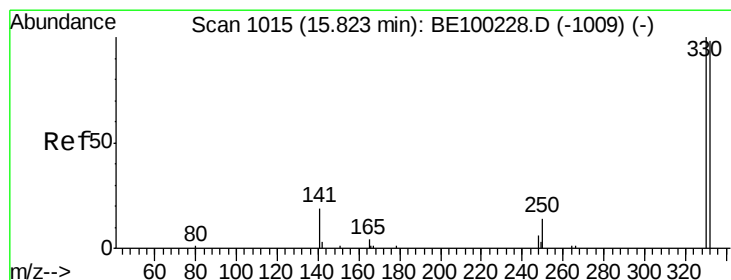
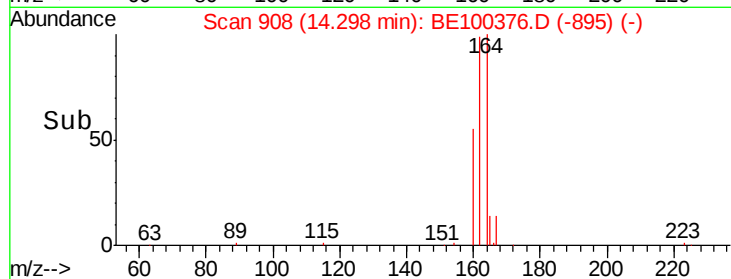
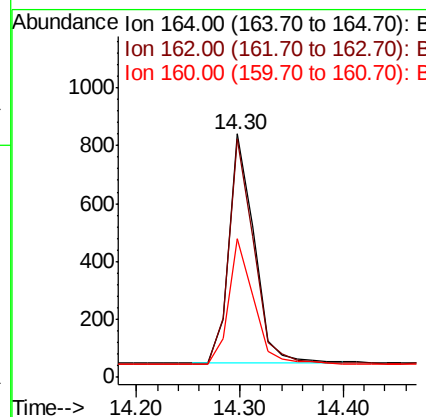
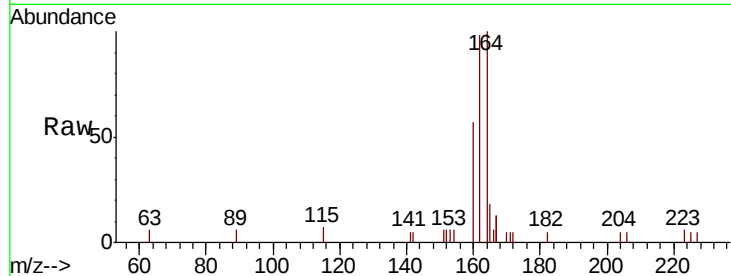
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.30 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BE100376.D
 Acq: 5 Jul 2019 11:57

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW149-062419

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.1	83.4	125.0
160	57.1	45.0	67.6

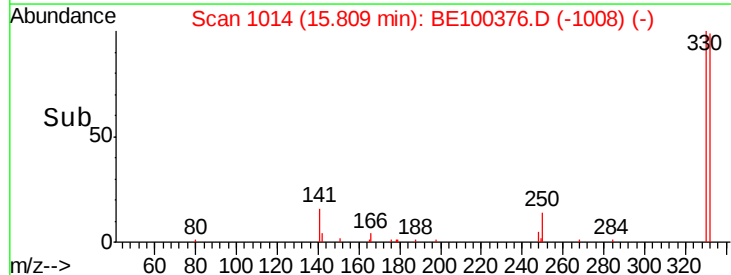
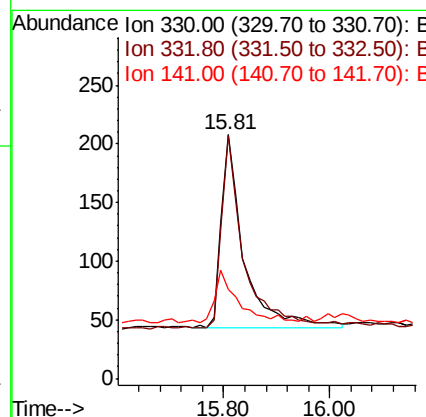
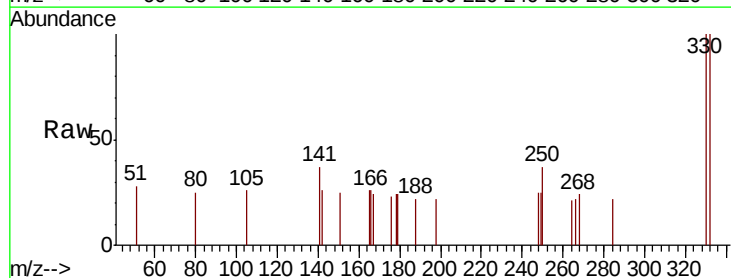
Manual Integrations
 APPROVED

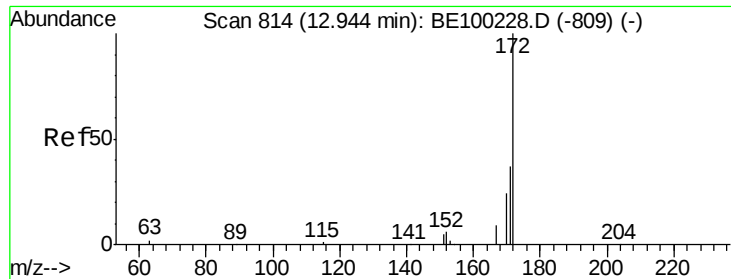
mohammad
 7/8/2019 2:13:30 PM



#14
 2,4,6-Tribromophenol
 Concen: 0.518 ng
 RT: 15.81 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BE100376.D
 Acq: 5 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.4
141	24.2	22.0	33.0





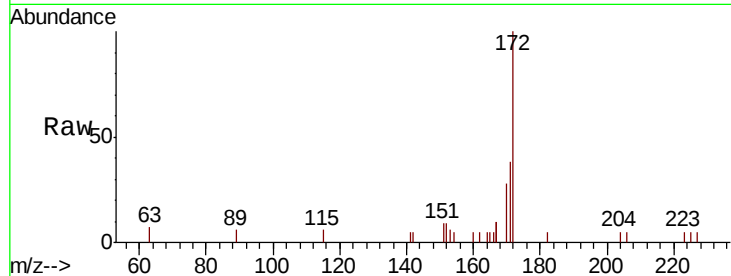
#15
2-Fluorobiphenyl
Concen: 0.369 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100376.D
Acq: 5 Jul 2019 11:57

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW149-062419

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.2	31.9	47.9
170	27.7	22.2	33.2

Manual Integrations
APPROVED

mohammad
7/8/2019 2:13:30 PM

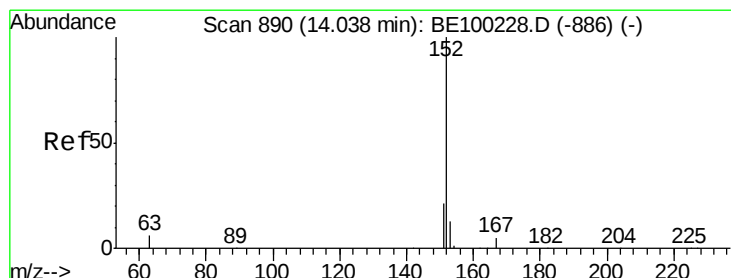
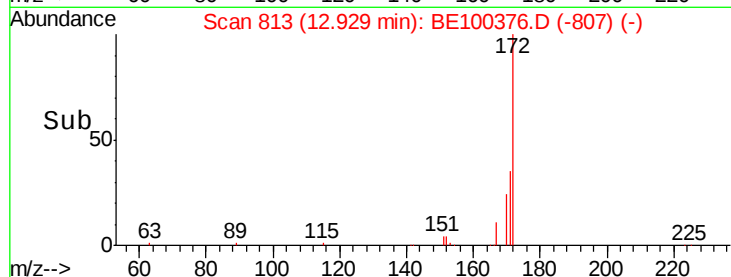
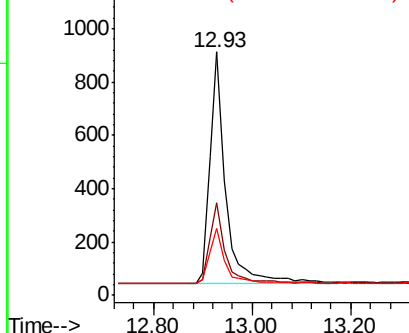


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.030 ng
RT: 14.02 min Scan# 889
Delta R.T. -0.01 min
Lab File: BE100376.D
Acq: 5 Jul 2019 11:57

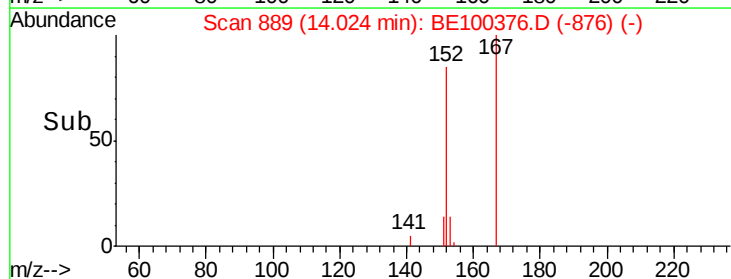
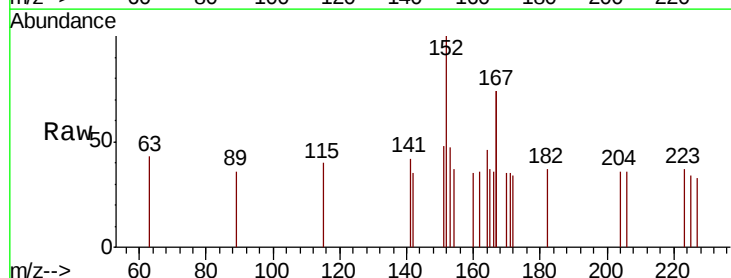
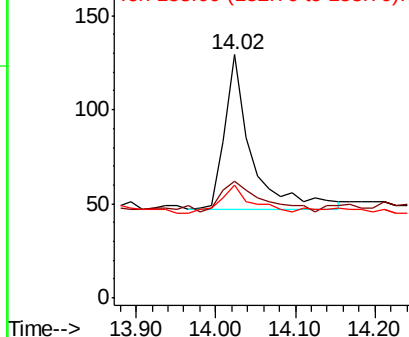
Tgt Ion	Ratio	Lower	Upper
152	100		
151	28.0	16.6	25.0#
153	21.2	10.5	15.7#

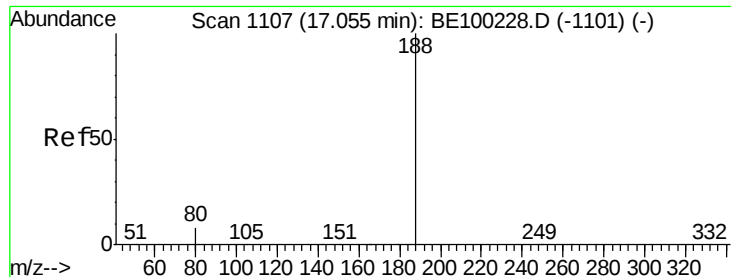
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





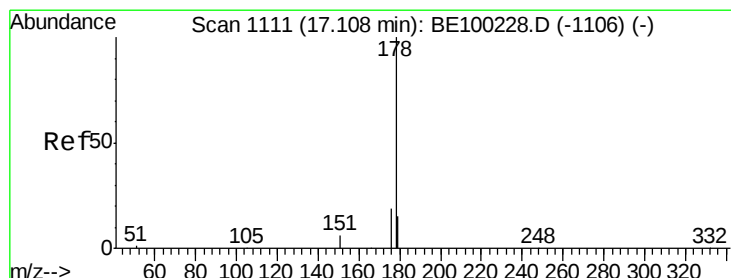
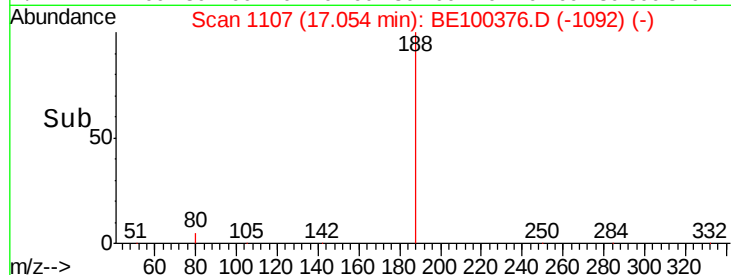
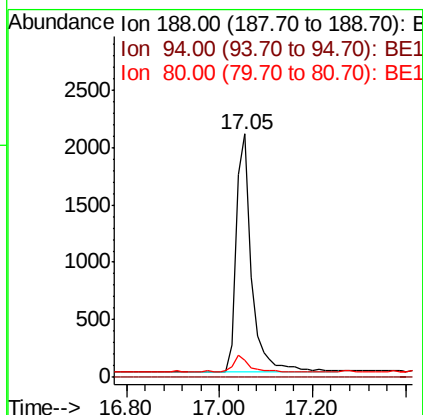
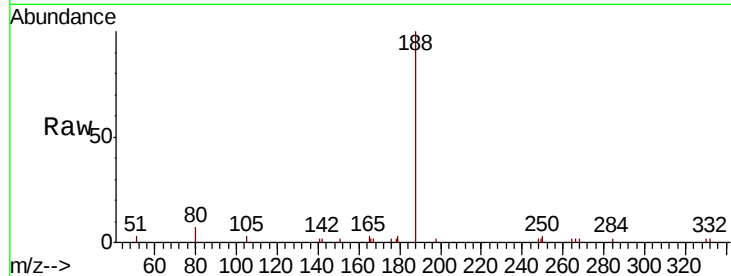
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100376.D
Acq: 5 Jul 2019 11:57

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW149-062419

Tot Ion	Ratio	Resp	Lower	Upper
188	100	4657		
94	0.0	0.0	0.0	
80	7.0	7.6	11.4	

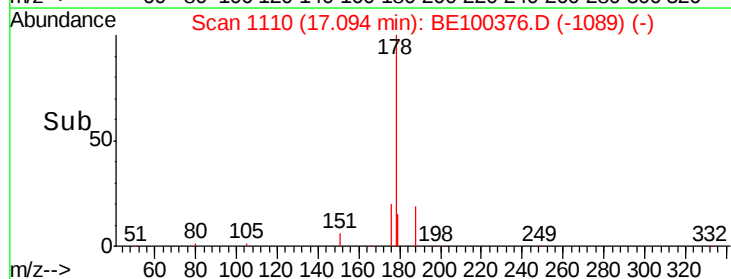
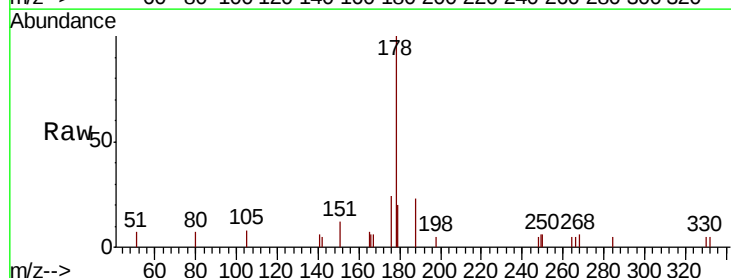
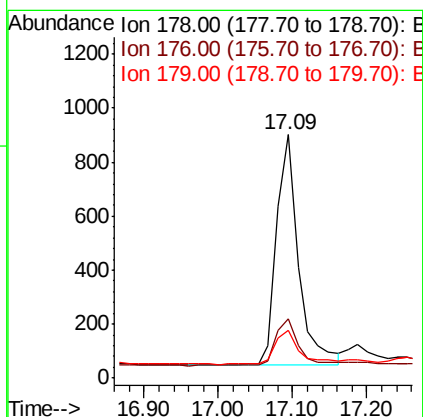
Manual Integrations
APPROVED

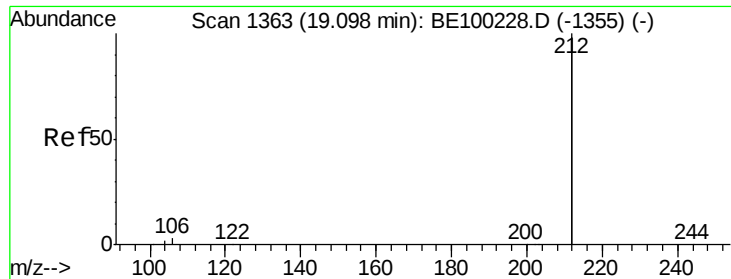
mohammad
7/8/2019 2:13:30 PM



#23
Phenanthrene
Concen: 0.155 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100376.D
Acq: 5 Jul 2019 11:57

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1754		
176	20.8	15.9	23.9	
179	16.6	12.2	18.2	





#25

Fluoranthene-d10

Concen: 0.382 ng

RT: 19.09 min Scan# 1361

Delta R.T. -0.01 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

Instrument :

BNA_E

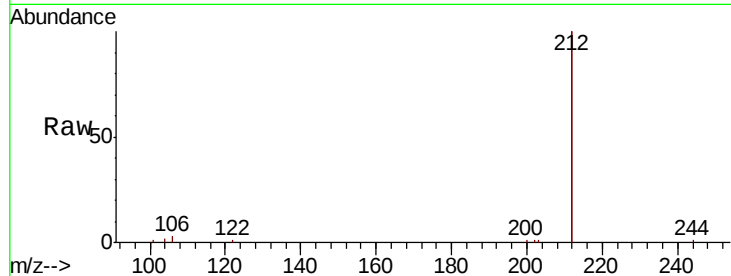
ClientSampleId :

EXT-009-SW149-062419

Tot Ion:	212	Resp:	25789
Ion Ratio	Lower	Upper	
212	100		
106	1.5	1.3	1.9
104	0.9	0.8	1.2

Manual Integrations
APPROVED

mohammad
7/8/2019 2:13:30 PM

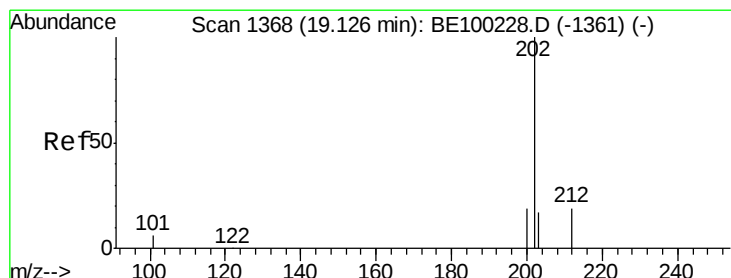
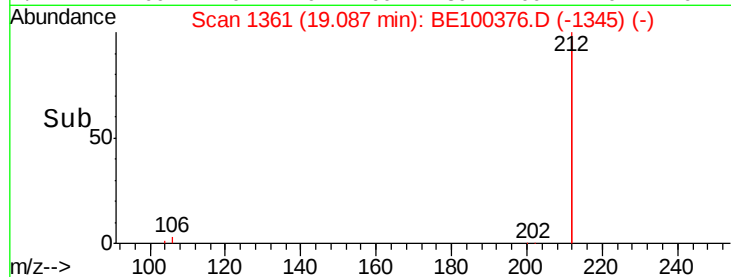
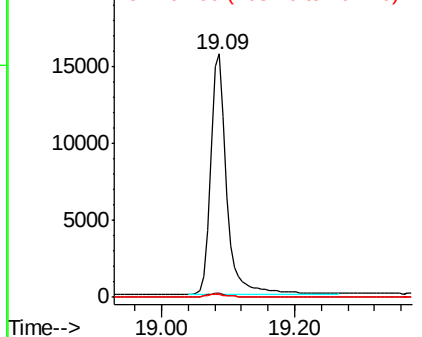


Abundance

Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.231 ng

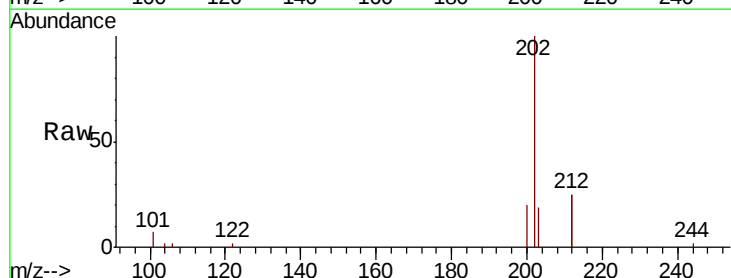
RT: 19.12 min Scan# 1366

Delta R.T. -0.01 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

Tgt Ion:	202	Resp:	4150
Ion Ratio	Lower	Upper	
202	100		
101	5.3	4.6	7.0
203	16.8	13.7	20.5

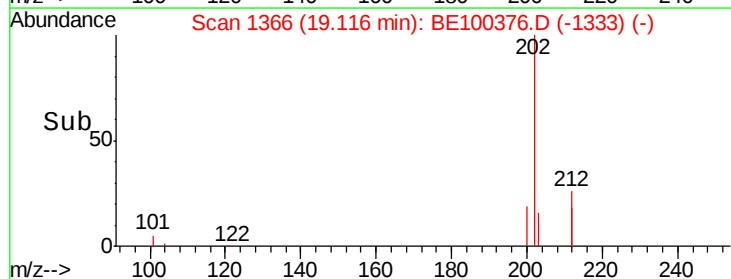
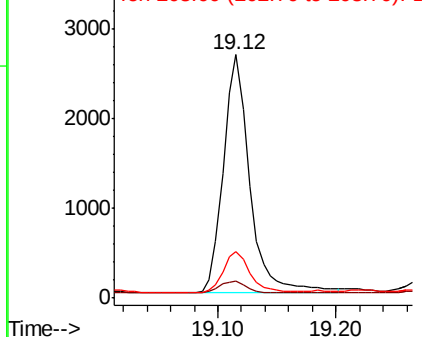


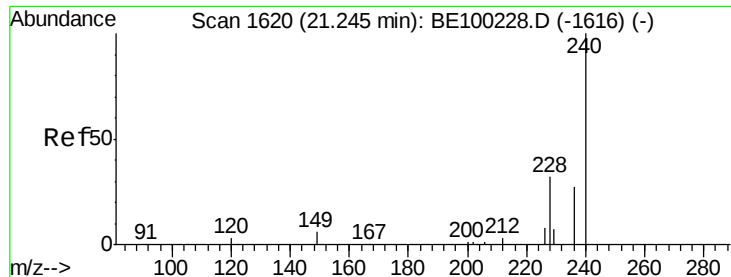
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





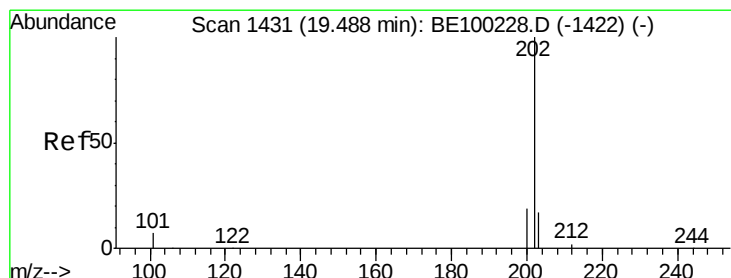
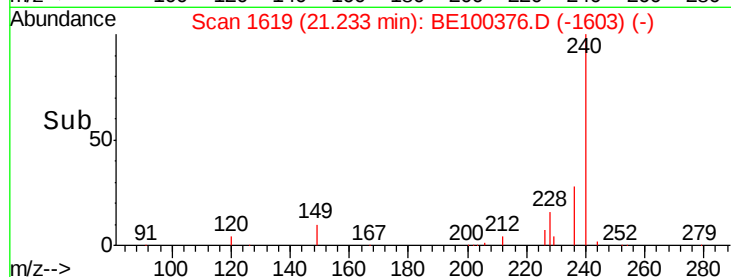
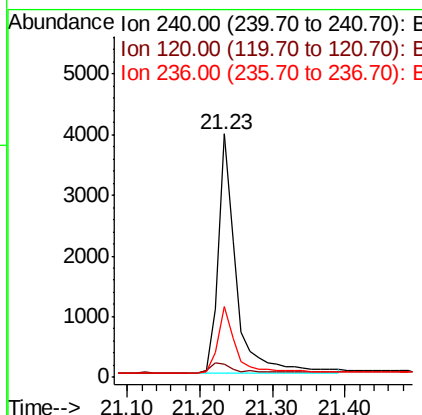
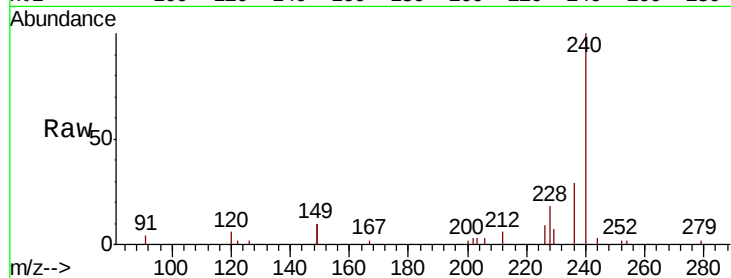
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.23 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BE100376.D
Acq: 5 Jul 2019 11:57

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW149-062419

Tot Ion	Ratio	Lower	Upper
240	100		
120	5.6	3.3	4.9#
236	29.2	22.6	34.0

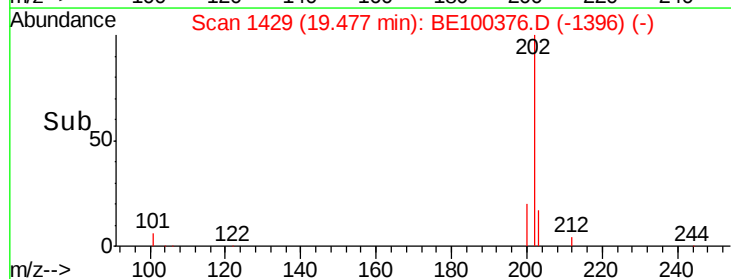
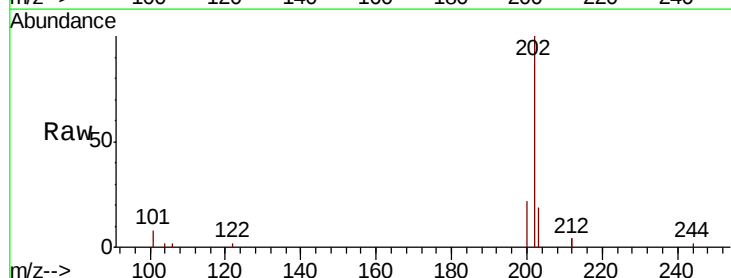
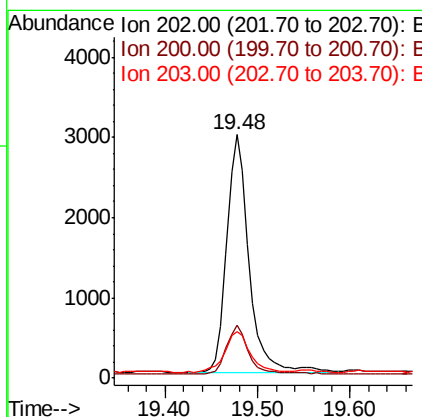
Manual Integrations
APPROVED

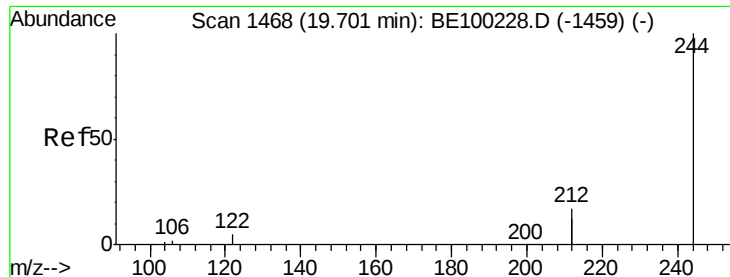
mohammad
7/8/2019 2:13:30 PM



#28
Pyrene
Concen: 0.275 ng
RT: 19.48 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BE100376.D
Acq: 5 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.6	23.4
203	18.8	14.0	21.0





#29

Terphenyl-d14

Concen: 0.354 ng

RT: 19.68 min Scan# 1465

Delta R.T. -0.02 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

Instrument :

BNA_E

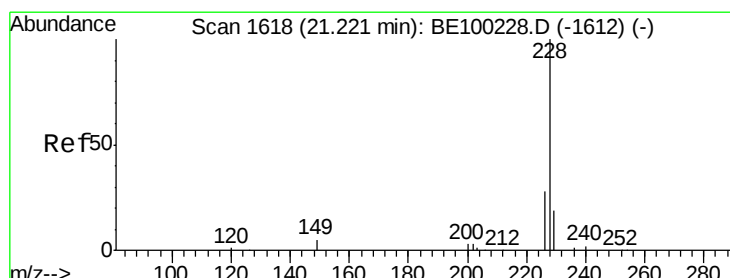
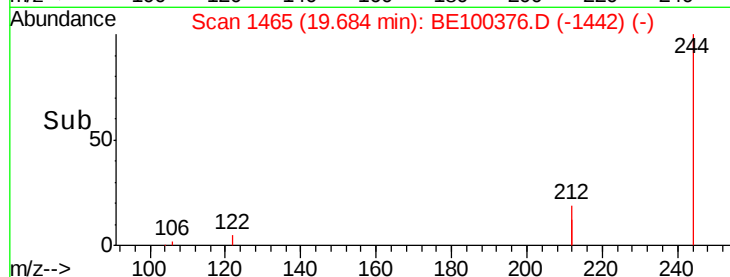
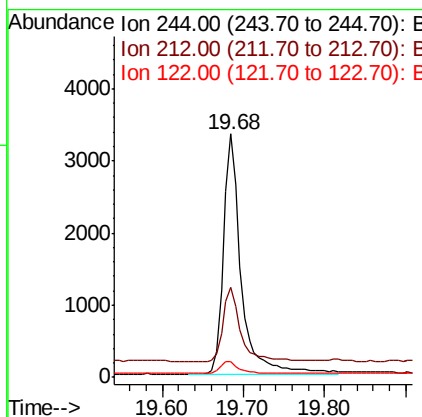
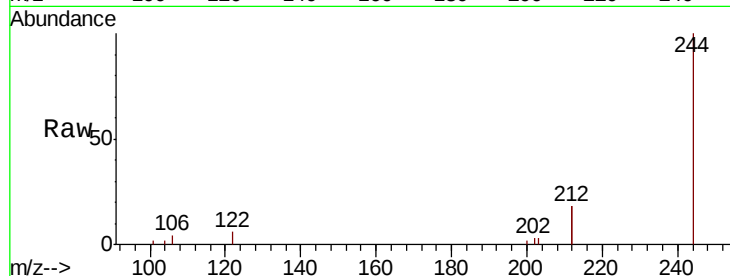
ClientSampleId :

EXT-009-SW149-062419

Tot Ion:	244	Resp:	5038
Ion Ratio	Lower	Upper	
244	100		
212	37.0	27.3	40.9
122	6.3	4.7	7.1

Manual Integrations
APPROVED

mohammad
7/8/2019 2:13:30 PM



#30

Benzo(a)anthracene

Concen: 0.102 ng

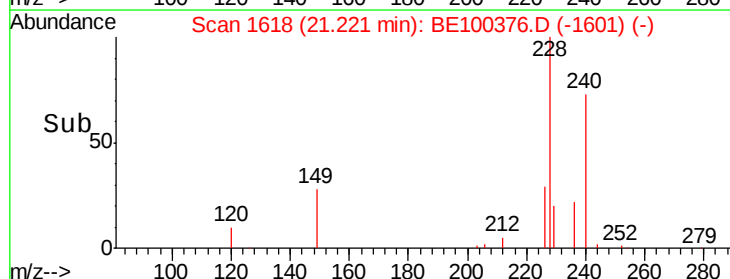
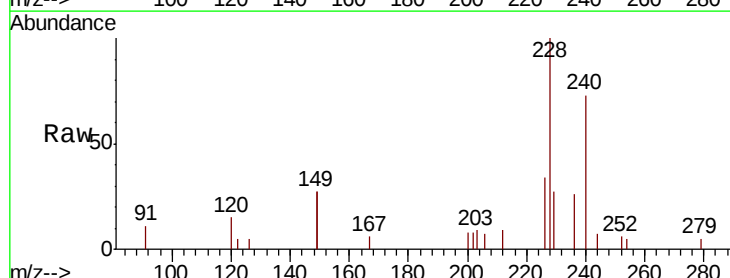
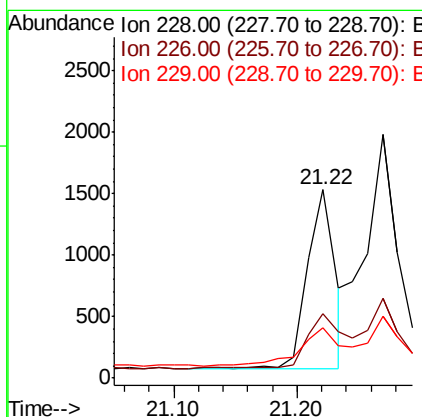
RT: 21.22 min Scan# 1618

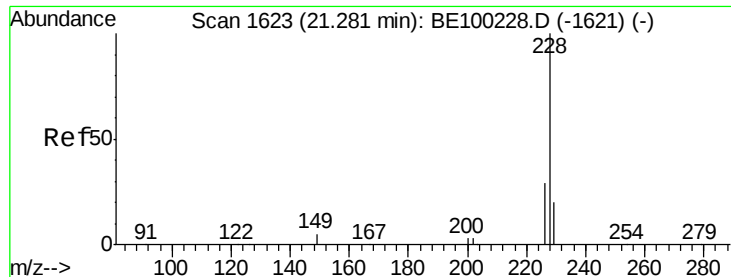
Delta R.T. 0.00 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

Tgt Ion:	228	Resp:	2303
Ion Ratio	Lower	Upper	
228	100		
226	34.1	23.2	34.8
229	26.8	15.7	23.5





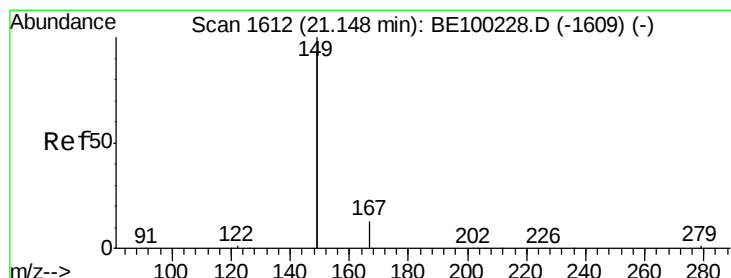
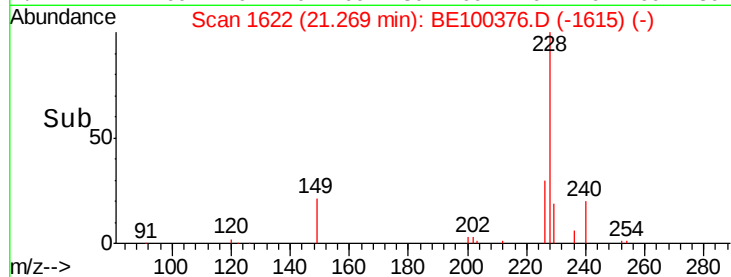
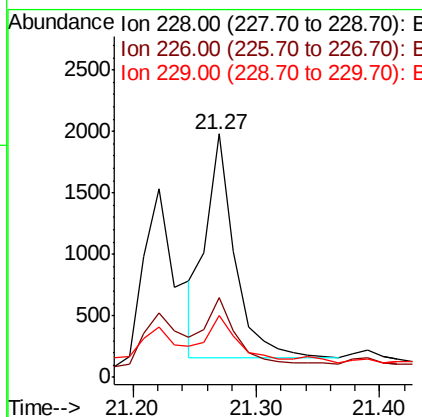
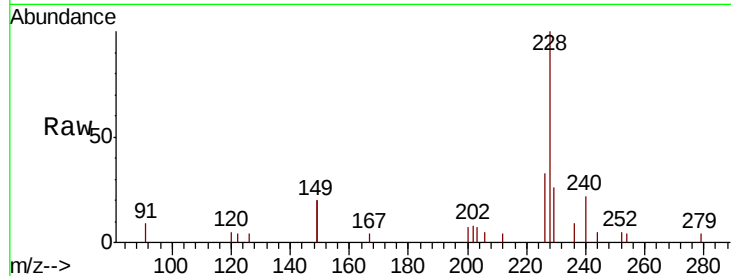
#31
 Chrysene
 Concen: 0.132 ng
 RT: 21.27 min Scan# 1622
 Delta R.T. -0.01 min
 Lab File: BE100376.D
 Acq: 5 Jul 2019 11:57

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW149-062419

Tot Ion:	228	Resp:	2980
Ion	Ratio	Lower	Upper
228	100		
226	33.0	23.9	35.9
229	25.6	16.5	24.7

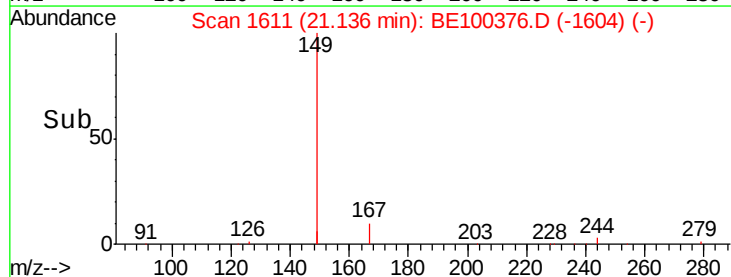
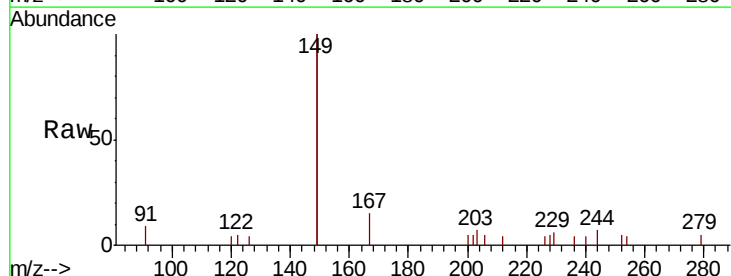
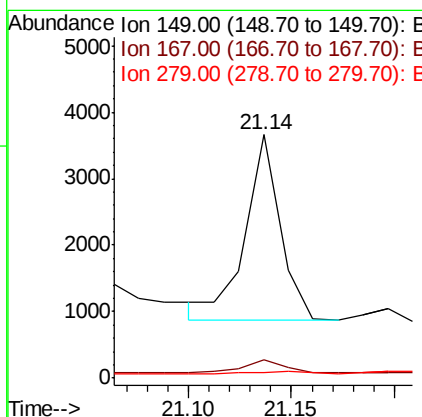
Manual Integrations
 APPROVED

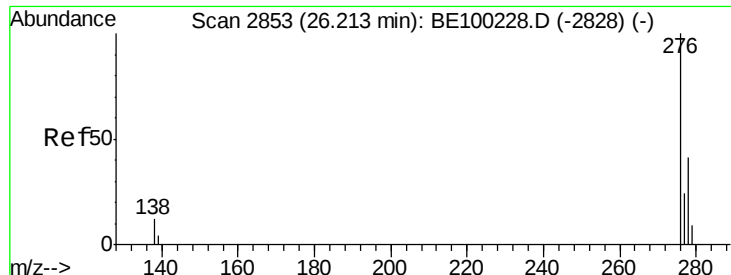
mohammad
 7/8/2019 2:13:30 PM



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.046 ng
 RT: 21.14 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BE100376.D
 Acq: 5 Jul 2019 11:57

Tgt Ion:	149	Resp:	3313
Ion	Ratio	Lower	Upper
149	100		
167	8.2	5.8	8.8
279	1.5	1.1	1.7





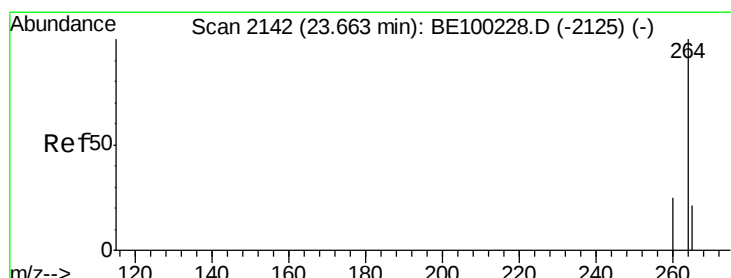
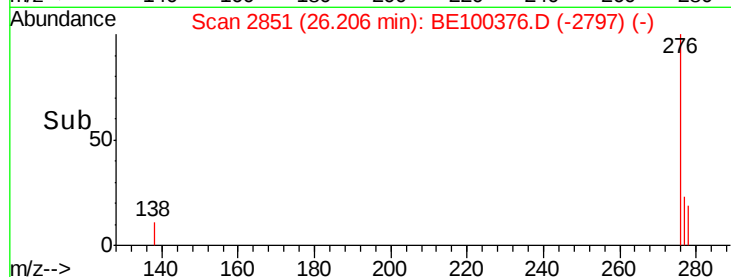
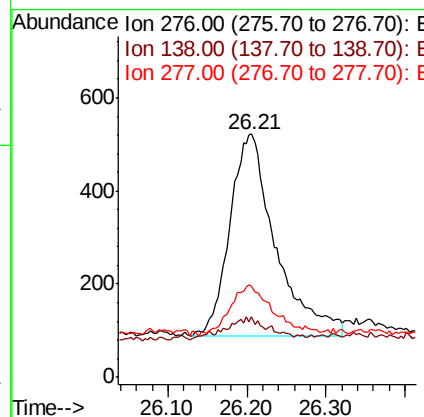
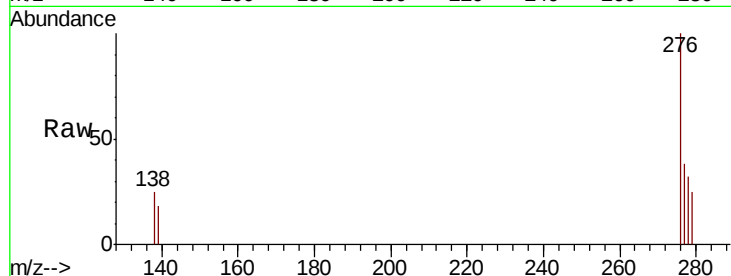
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.058 ng
RT: 26.21 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BE100376.D
Acq: 5 Jul 2019 11:57

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW149-062419

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.8	9.4	14.0#
277	23.0	19.2	28.8

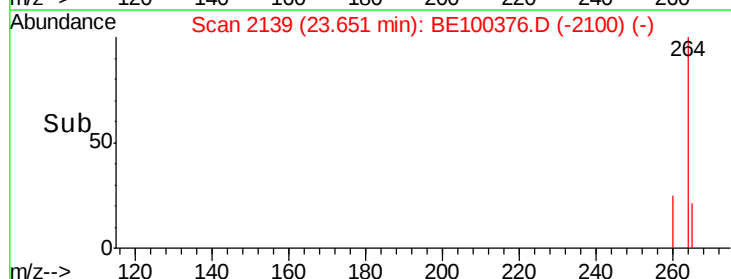
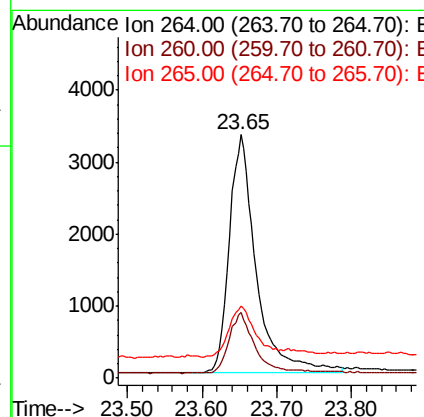
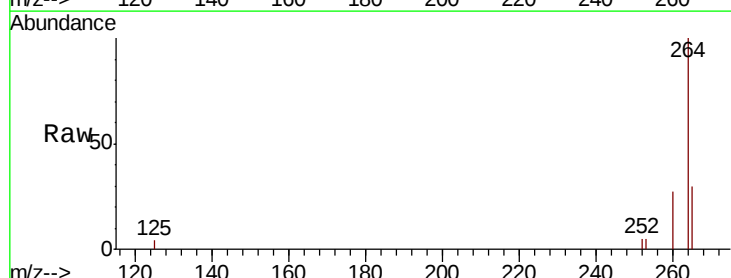
Manual Integrations
APPROVED

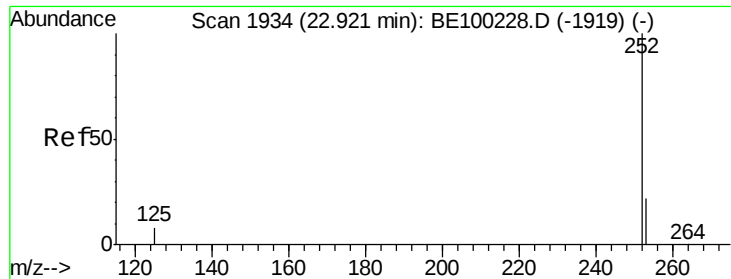
mohammad
7/8/2019 2:13:30 PM



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.65 min Scan# 2139
Delta R.T. -0.01 min
Lab File: BE100376.D
Acq: 5 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.7	20.8	31.2
265	29.6	21.8	32.6





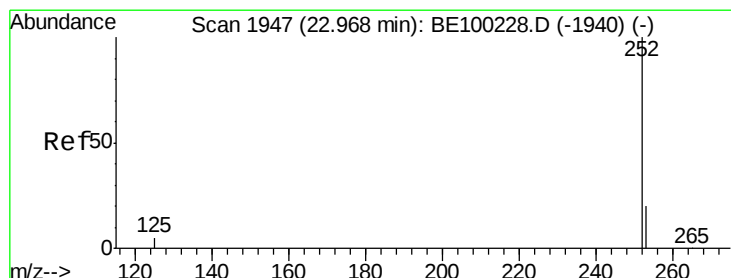
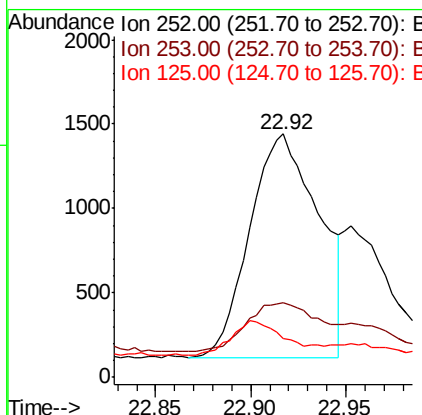
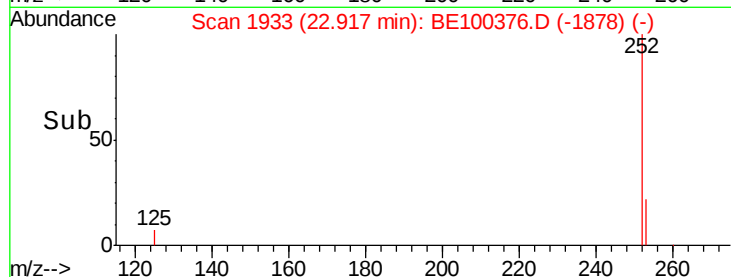
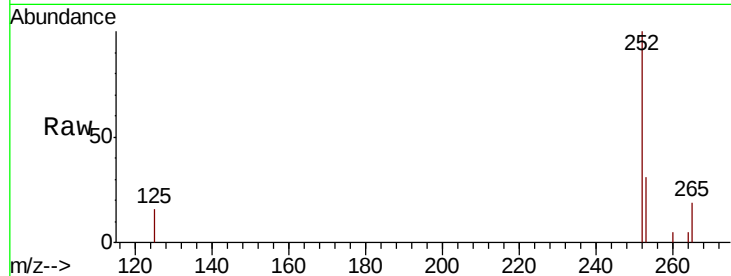
#35
Benzo(b)fluoranthene
Concen: 0.151 ng
RT: 22.92 min Scan# 1933
Delta R.T. -0.00 min
Lab File: BE100376.D
Acq: 5 Jul 2019 11:57

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW149-062419

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.8	19.2	28.8#
125	16.0	7.4	11.0#

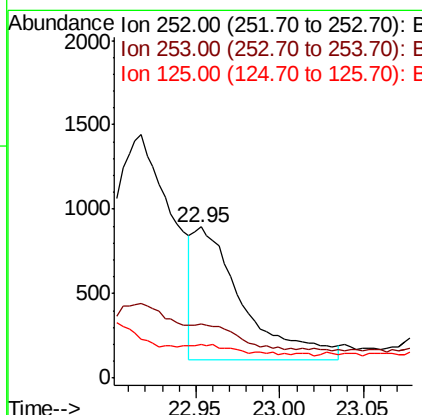
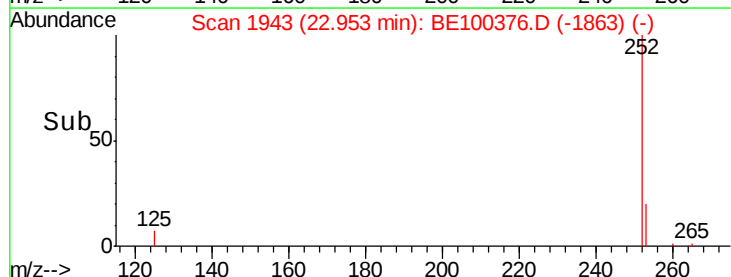
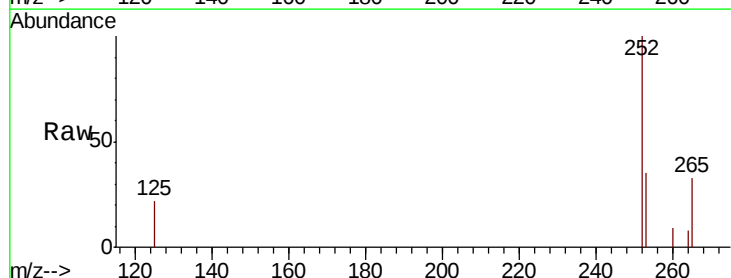
Manual Integrations
APPROVED

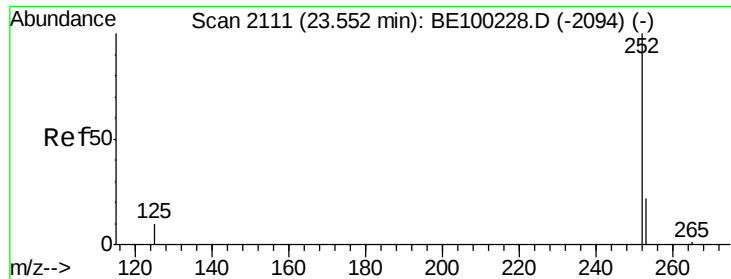
mohammad
7/8/2019 2:13:30 PM



#36
Benzo(k)fluoranthene
Concen: 0.065 ng m
RT: 22.95 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BE100376.D
Acq: 5 Jul 2019 11:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.5	17.9	26.9#
125	22.4	5.0	7.4#





#37

Benzo(a)pyrene

Concen: 0.102 ng

RT: 23.54 min Scan# 2109

Delta R.T. -0.01 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

Instrument :

BNA_E

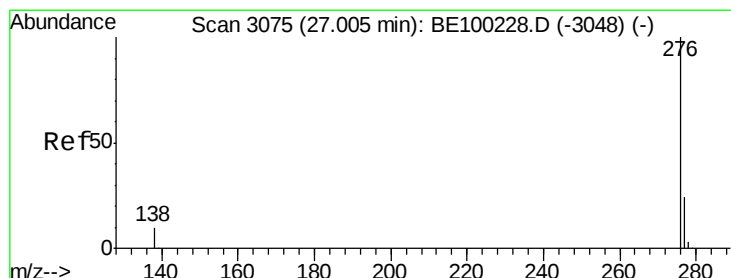
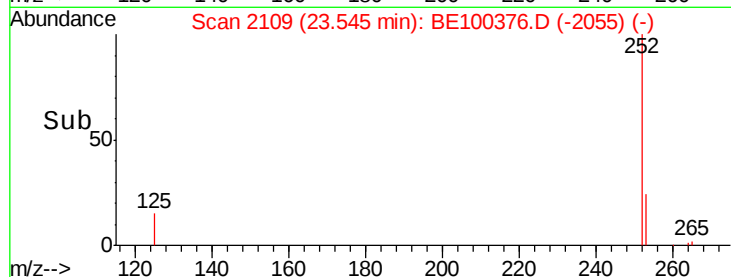
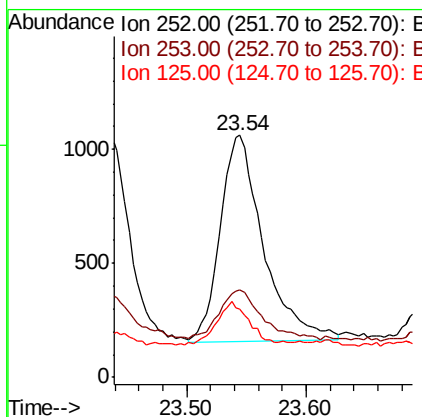
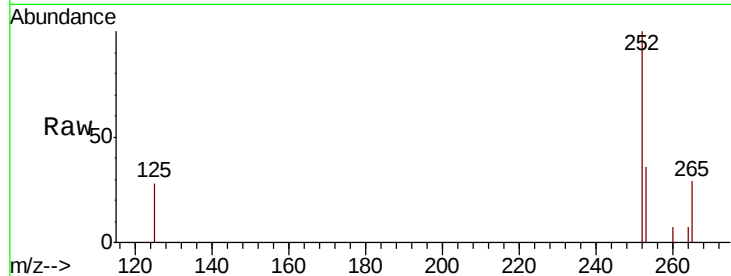
ClientSampleId :

EXT-009-SW149-062419

Tot Ion:	252	Resp:	2262
Ion Ratio	Lower	Upper	
252	100		
253	36.0	19.6	29.4#
125	28.0	9.0	13.6#

Manual Integrations
APPROVED

mohammad
7/8/2019 2:13:30 PM



#39

Benzo(g,h,i)perylene

Concen: 0.088 ng

RT: 26.99 min Scan# 3071

Delta R.T. -0.01 min

Lab File: BE100376.D

Acq: 5 Jul 2019 11:57

Tgt Ion:	276	Resp:	2097
Ion Ratio	Lower	Upper	
276	100		
277	35.3	20.2	30.2#
138	19.9	9.0	13.6#

