

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040817\
 Data File : BM009625.D
 Acq On : 07 Apr 2017 12:50
 Operator : SJ/MA
 Sample : I2526-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB373

Manual Integrations
 APPROVED

mohammad
 4/10/2017 1:23:28 PM

Quant Time: Apr 07 13:44:16 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 07 03:19:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	154288	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	597717	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	336353	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.24	188	773745	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	992006	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	955199	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.26	165	301758	32.83	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	1195413	36.26	ng/ul	0.00
10) Fluorene-d10	15.48	176	850471	35.87	ng/ul	0.00
15) Anthracene-d10	17.34	188	1335348	36.07	ng/ul	0.00
19) Pyrene-d10	19.63	212	1593596	39.09	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.60	264	1538656	36.48	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.69	128	51833	1.69	ng/ul#	95
5) 2-Methylnaphthalene	12.30	142	27532	1.23	ng/ul	91
8) Acenaphthylene	14.21	152	45051	1.36	ng/ul	97
9) Acenaphthene	14.55	153	59282	2.60	ng/ul	90
11) Fluorene	15.54	166	68634	2.47	ng/ul	94
14) Phenanthrene	17.28	178	1277773	29.37	ng/ul	97
16) Anthracene	17.37	178	265274	5.90	ng/ul	98
17) Fluoranthene	19.30	202	2082154	38.43	ng/ul	96
20) Pyrene	19.66	202	1897333	35.13	ng/ul#	94
21) Benzo(a)anthracene	21.40	228	1104614	19.70	ng/ul	99
22) Chrysene	21.46	228	989459	19.25	ng/ul	96
24) Benzo(b)fluoranthene	23.04	252	1374177	23.26	ng/ul#	94
25) Benzo(k)fluoranthene	23.09	252	406789m	7.23	ng/ul	
27) Benzo(a)pyrene	23.64	252	905691	16.13	ng/ul	96
28) Indeno(1,2,3-cd)pyrene	26.11	276	617553	9.81	ng/ul	96
29) Dibenzo(a,h)anthracene	26.11	278	179339m	3.35	ng/ul	
30) Benzo(g,h,i)perylene	26.84	276	527797	10.17	ng/ul#	93

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

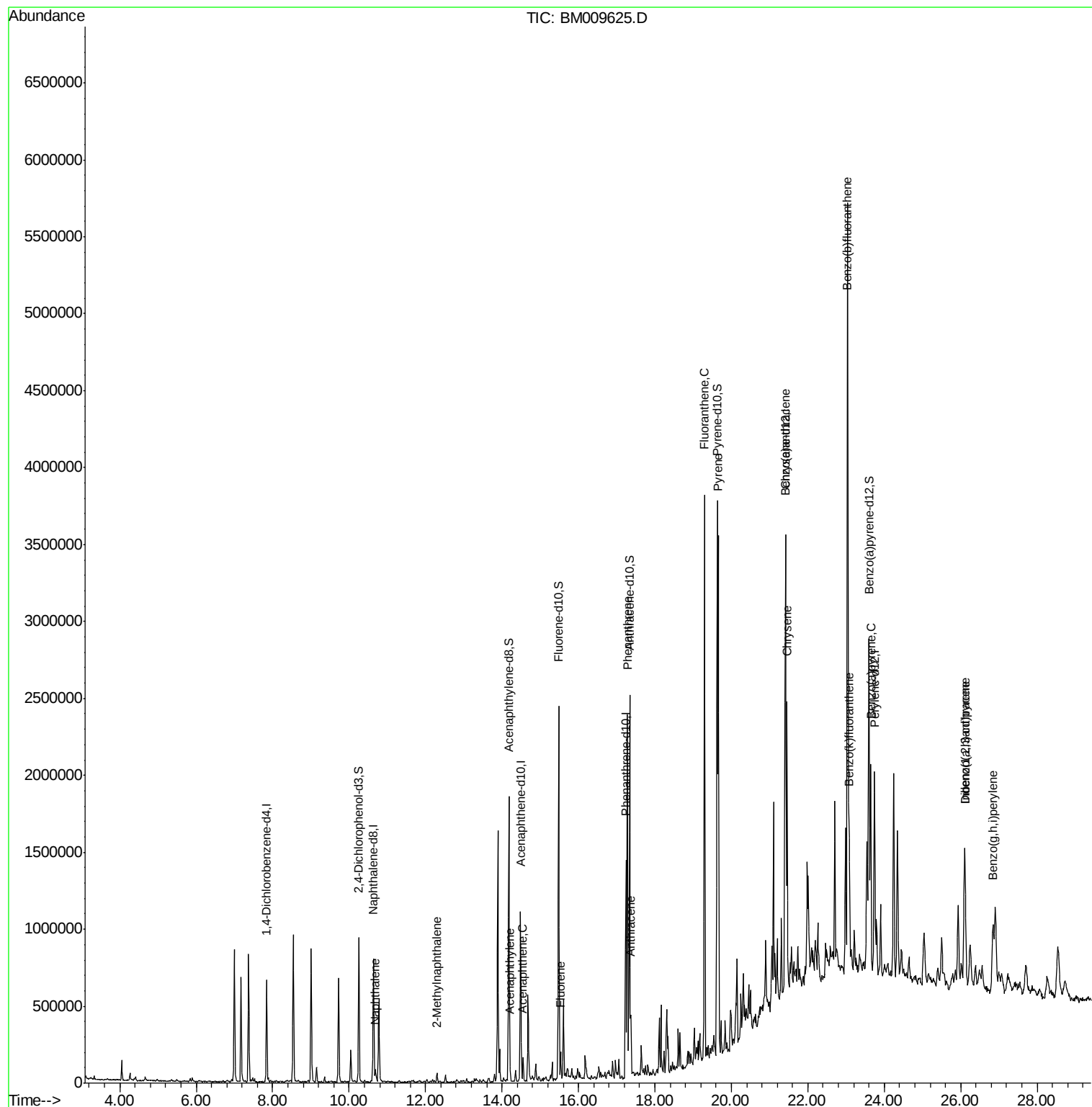
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040817\
Data File : BM009625.D
Acq On : 07 Apr 2017 12:50
Operator : SJ/MA
Sample : I2526-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

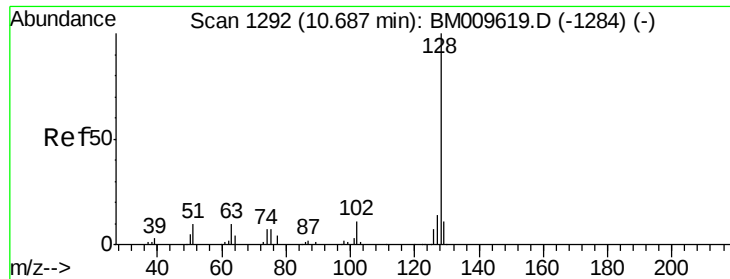
Instrument :
BNA_M
ClientSampleId :
CB373

Manual Integrations
APPROVED

mohammad
4/10/2017 1:23:28 PM

Quant Time: Apr 07 13:44:16 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040417-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 07 03:19:28 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 1.69 ng/ul

RT: 10.69 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BM009625.D

Acq: 07 Apr 2017 12:50

Instrument :

BNA_M

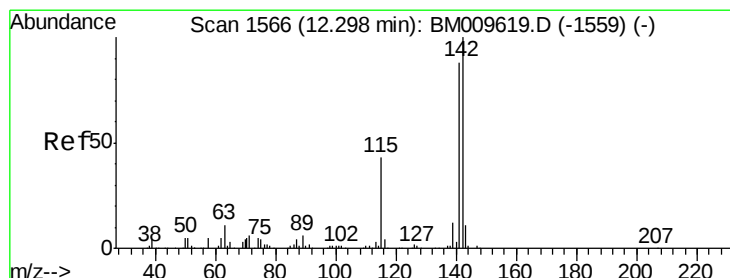
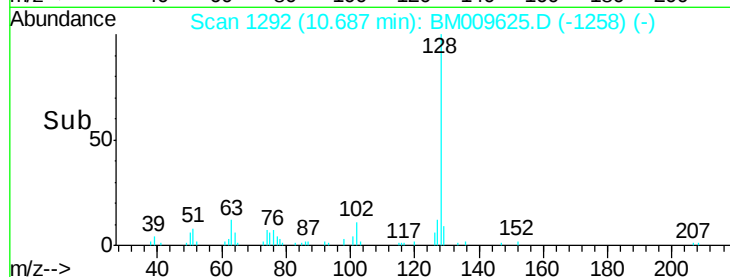
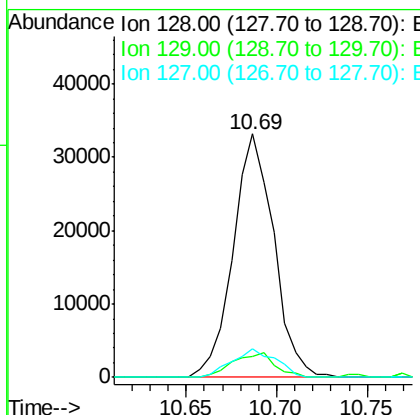
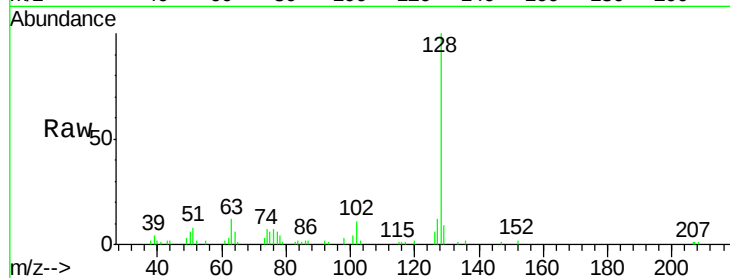
ClientSampleId :

CB373

Tgt Ion	Ratio	Lower	Upper
128	100		
129	8.8	9.1	13.7#
127	11.5	10.6	15.8

Manual Integrations
APPROVED

mohammad
4/10/2017 1:23:28 PM



#5

2-Methylnaphthalene

Concen: 1.23 ng/ul

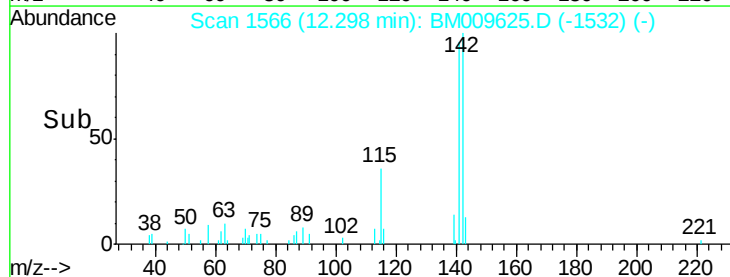
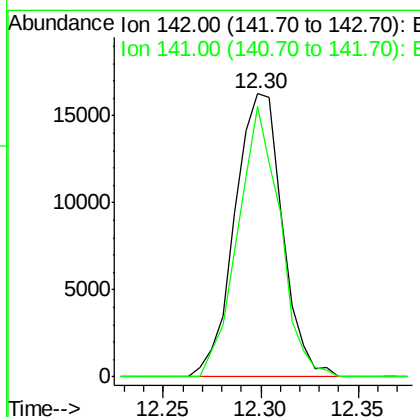
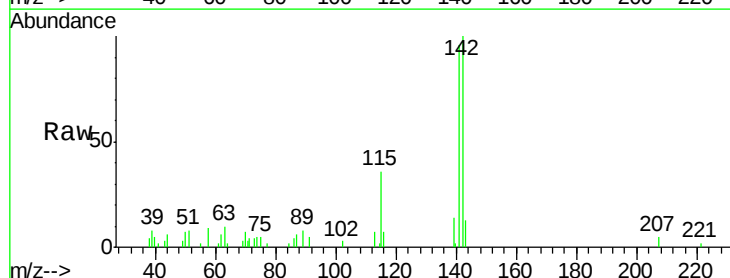
RT: 12.30 min Scan# 1566

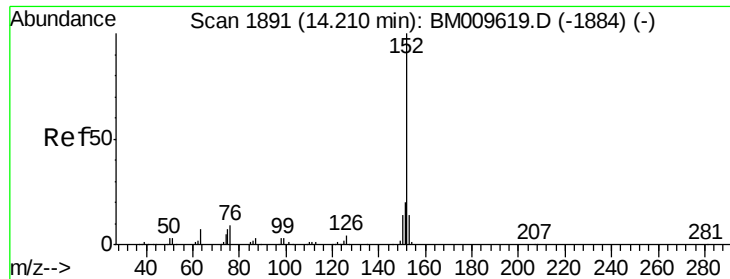
Delta R.T. 0.00 min

Lab File: BM009625.D

Acq: 07 Apr 2017 12:50

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.7	69.8	104.8





#8

Acenaphthylene

Concen: 1.36 ng/ul

RT: 14.21 min Scan# 1891

Delta R.T. 0.01 min

Lab File: BM009625.D

Acq: 07 Apr 2017 12:50

Instrument :

BNA_M

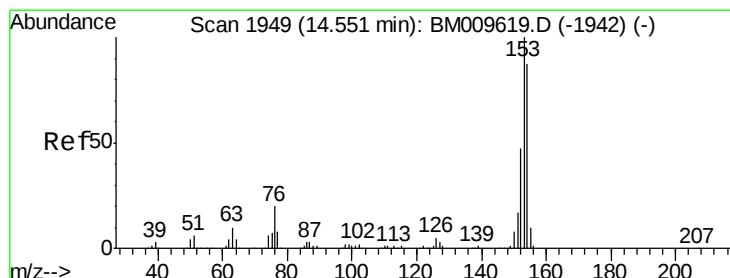
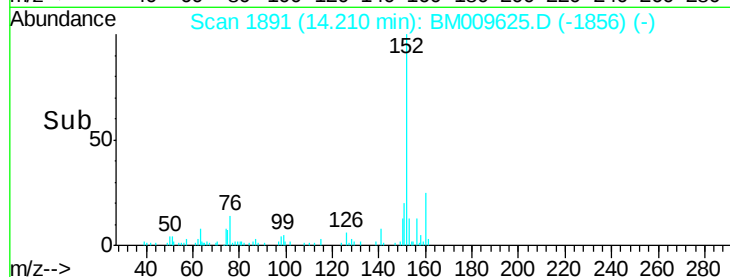
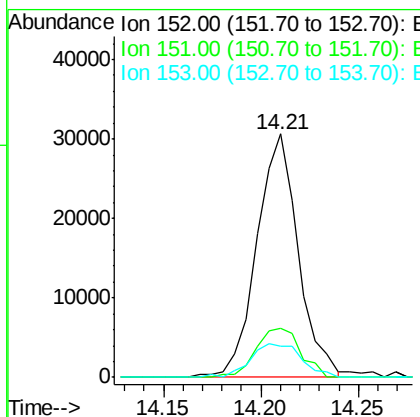
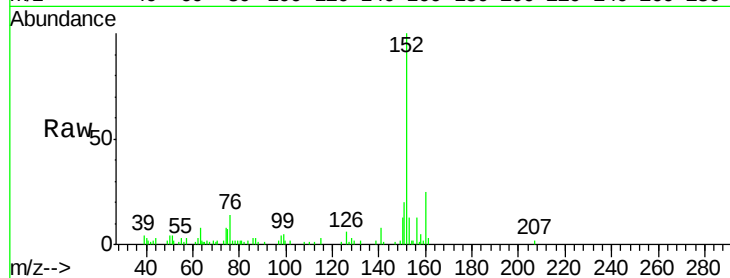
ClientSampleId :

CB373

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	45051		
151	20.1	17.5	26.3	
153	12.8	10.6	16.0	

Manual Integrations
APPROVED

mohammad
4/10/2017 1:23:28 PM



#9

Acenaphthene

Concen: 2.60 ng/ul

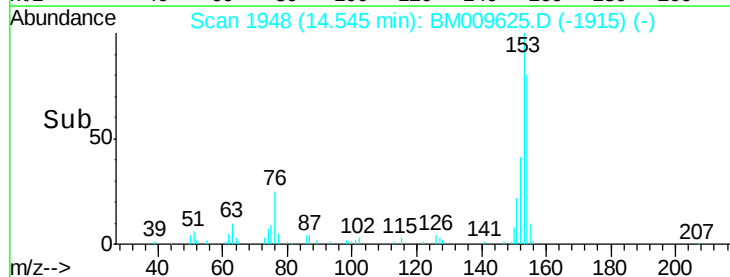
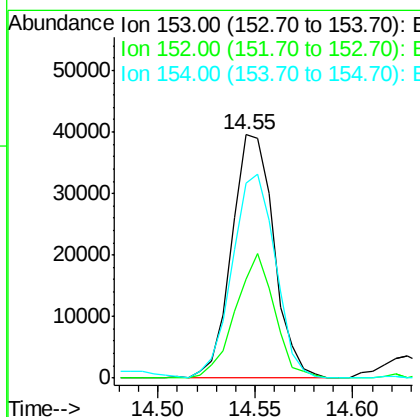
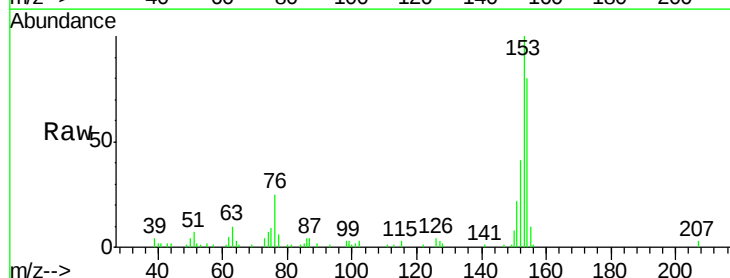
RT: 14.55 min Scan# 1948

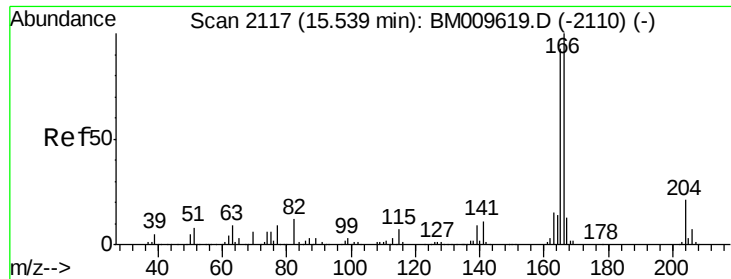
Delta R.T. -0.01 min

Lab File: BM009625.D

Acq: 07 Apr 2017 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	59282		
152	40.8	37.9	56.9	
154	80.1	71.6	107.4	





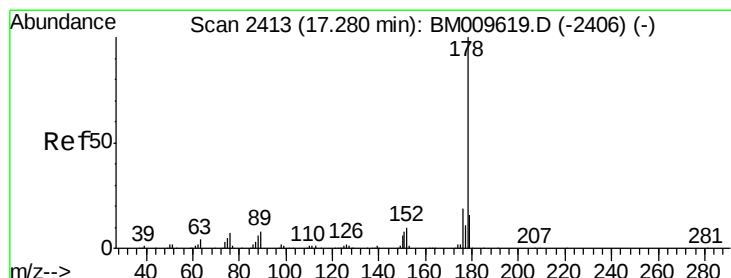
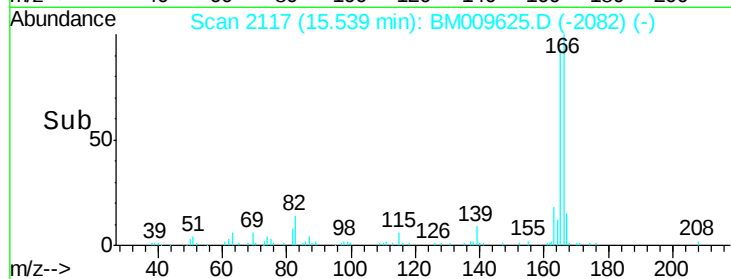
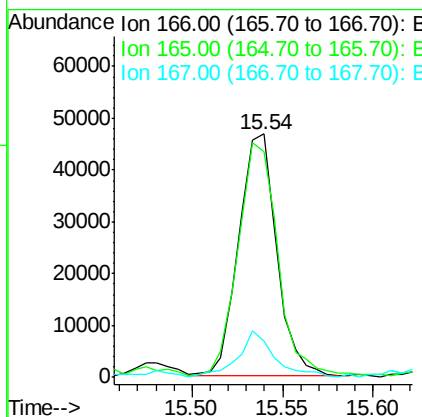
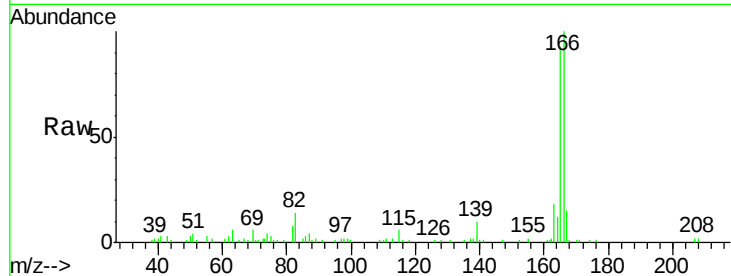
#11
 Fluorene
 Concen: 2.47 ng/ul
 RT: 15.54 min Scan# 2117
 Delta R.T. 0.01 min
 Lab File: BM009625.D
 Acq: 07 Apr 2017 12:50

Instrument :
 BNA_M
 ClientSampleId :
 CB373

Tgt Ion	Ratio	Lower	Upper
166	100		
165	92.8	80.0	120.0
167	14.9	11.6	17.4

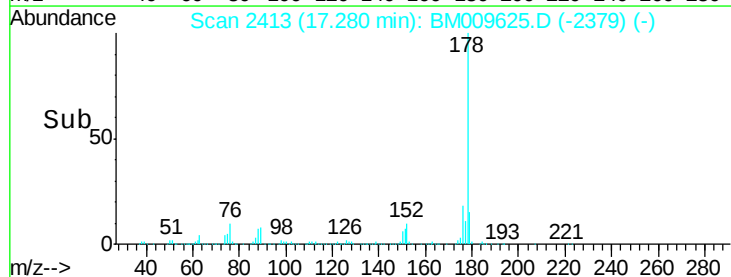
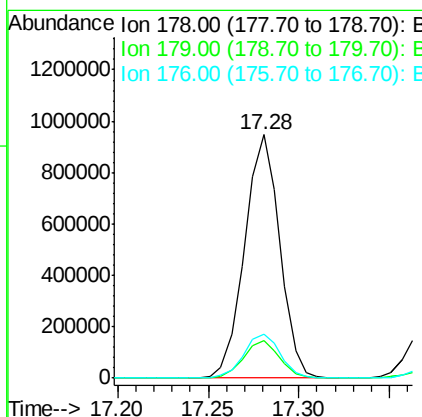
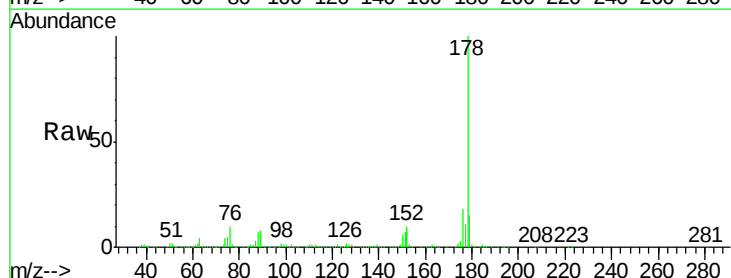
Manual Integrations
 APPROVED

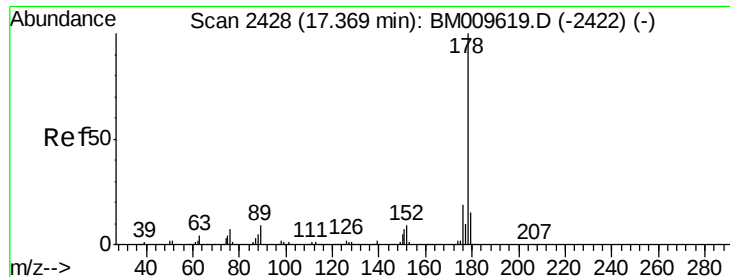
mohammad
 4/10/2017 1:23:28 PM



#14
 Phenanthrene
 Concen: 29.37 ng/ul
 RT: 17.28 min Scan# 2413
 Delta R.T. 0.00 min
 Lab File: BM009625.D
 Acq: 07 Apr 2017 12:50

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.4
176	18.0	16.4	24.6





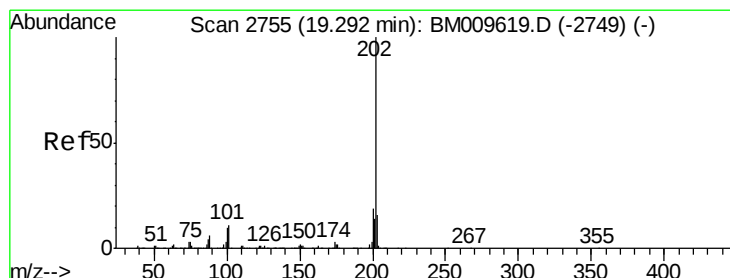
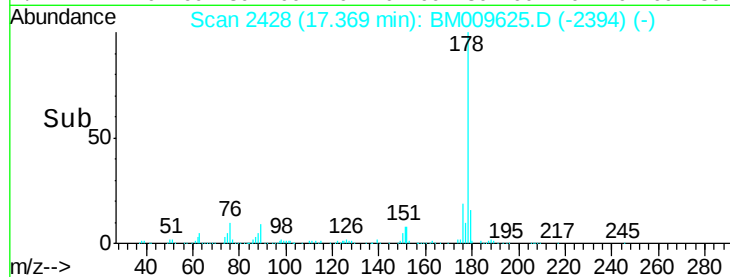
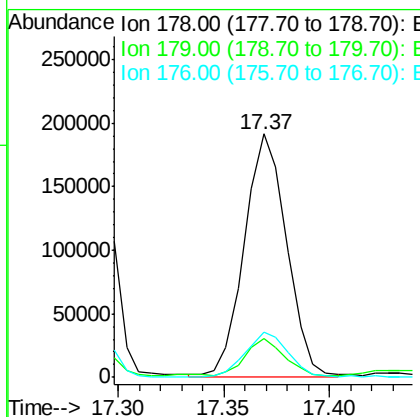
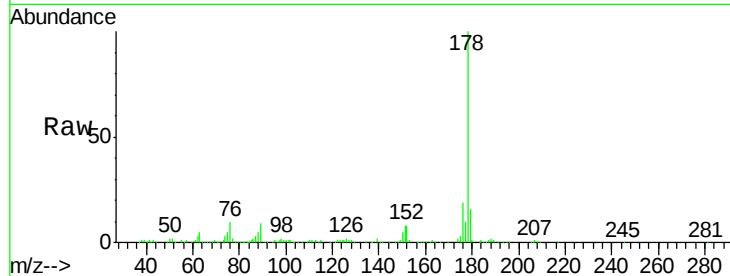
#16
 Anthracene
 Concen: 5.90 ng/ul
 RT: 17.37 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BM009625.D
 Acq: 07 Apr 2017 12:50

Instrument :
 BNA_M
 ClientSampled :
 CB373

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.7	19.1
176	18.7	15.8	23.8

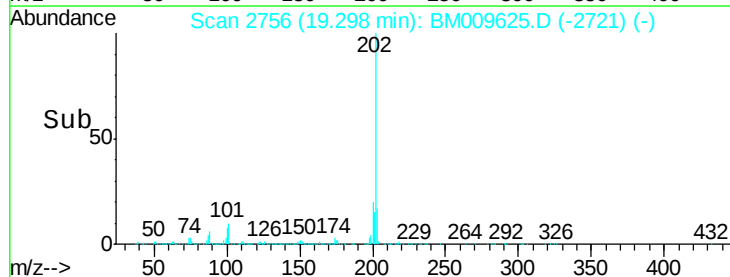
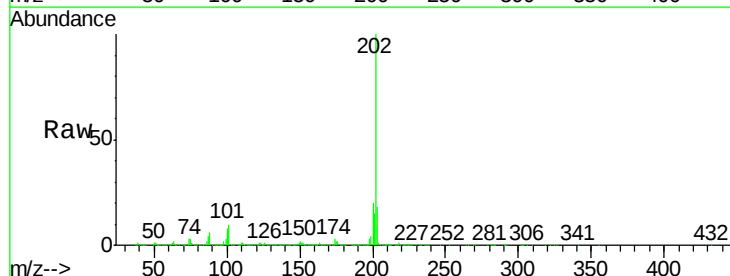
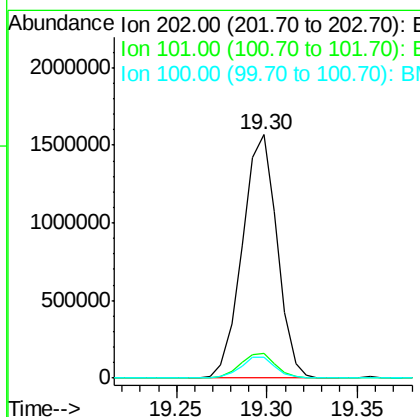
Manual Integrations
 APPROVED

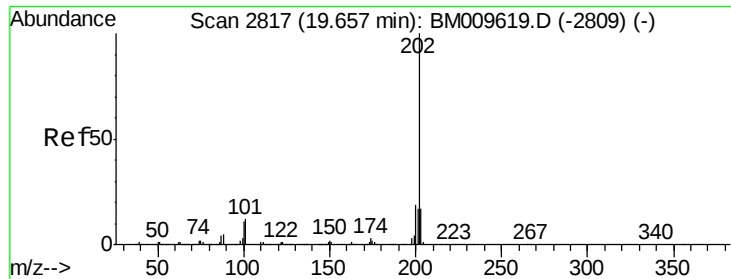
mohammad
 4/10/2017 1:23:28 PM



#17
 Fluoranthene
 Concen: 38.43 ng/ul
 RT: 19.30 min Scan# 2756
 Delta R.T. 0.01 min
 Lab File: BM009625.D
 Acq: 07 Apr 2017 12:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	9.8	14.8
100	8.4	7.5	11.3





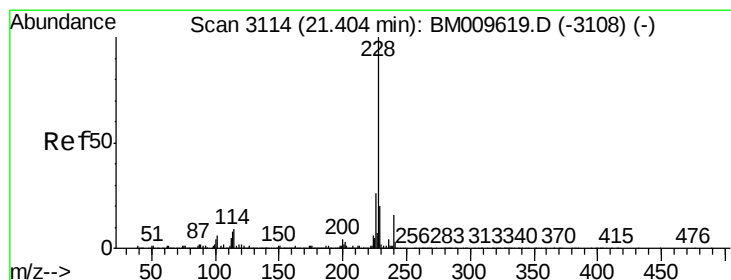
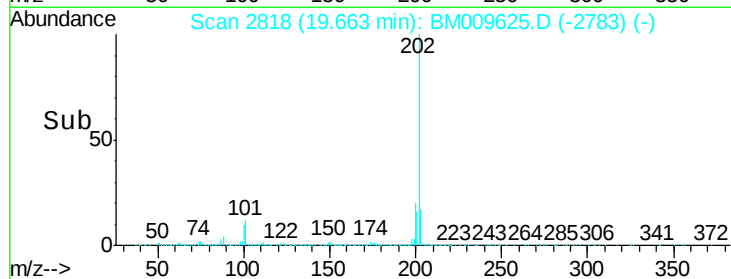
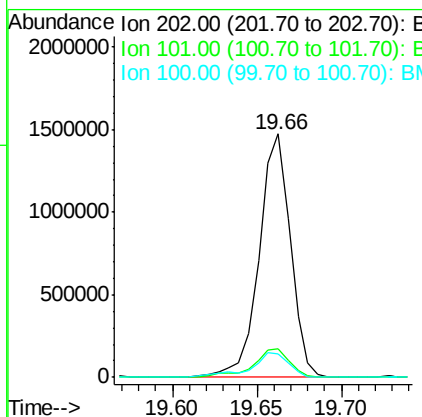
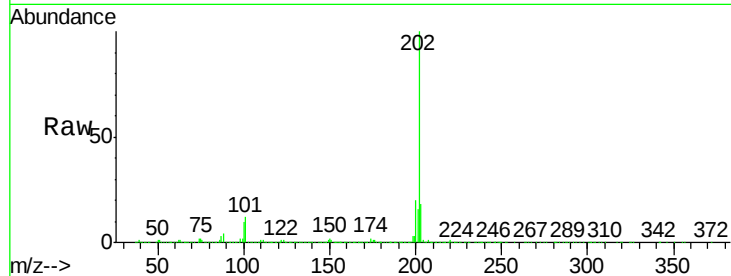
#20
 Pyrene
 Concen: 35.13 ng/ul
 RT: 19.66 min Scan# 2818
 Delta R.T. 0.01 min
 Lab File: BM009625.D
 Acq: 07 Apr 2017 12:50

Instrument :
 BNA_M
 ClientSampleId :
 CB373

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	11.2	16.8
100	9.7	9.8	14.6

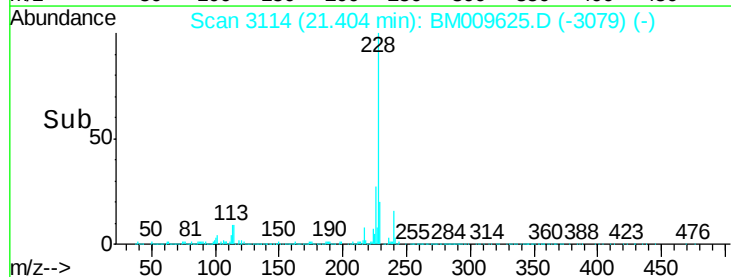
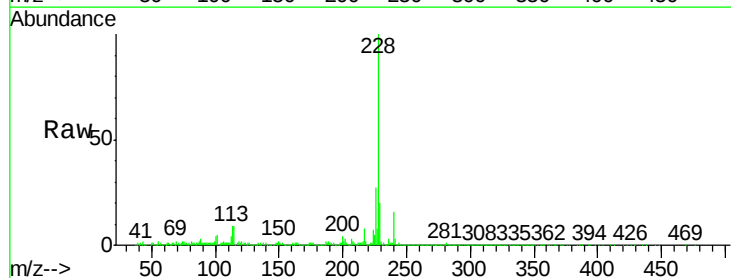
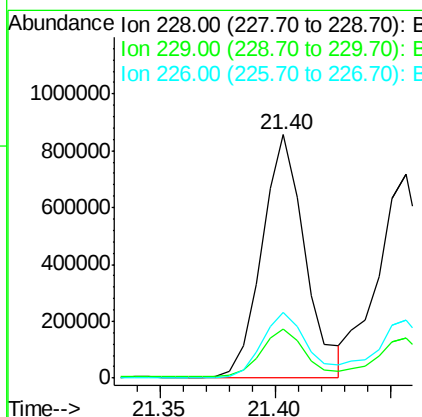
Manual Integrations
 APPROVED

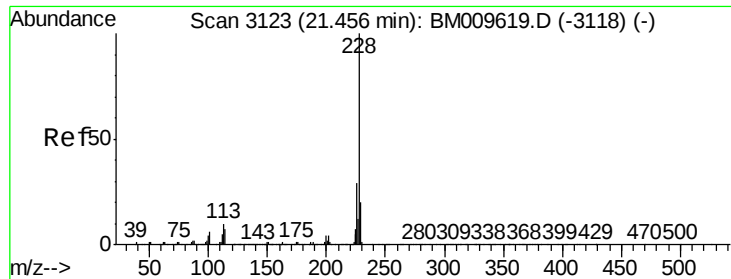
mohammad
 4/10/2017 1:23:28 PM



#21
 Benzo(a)anthracene
 Concen: 19.70 ng/ul
 RT: 21.40 min Scan# 3114
 Delta R.T. 0.01 min
 Lab File: BM009625.D
 Acq: 07 Apr 2017 12:50

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.9	23.9
226	26.8	22.1	33.1





#22

Chrysene

Concen: 19.25 ng/ul

RT: 21.46 min Scan# 3123

Delta R.T. 0.01 min

Lab File: BM009625.D

Acq: 07 Apr 2017 12:50

Instrument :

BNA_M

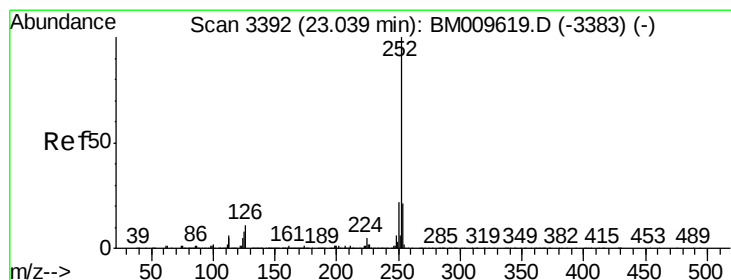
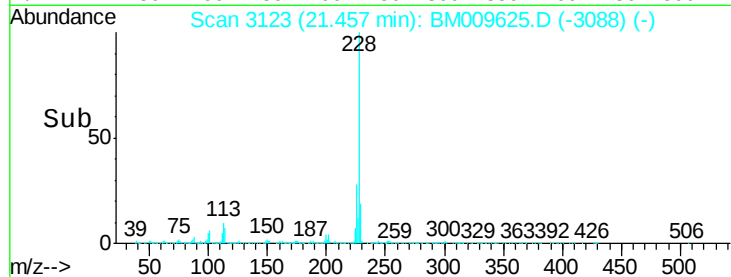
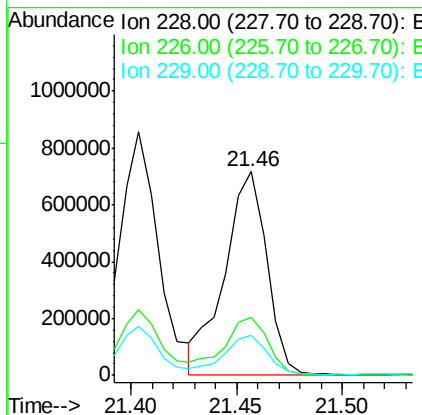
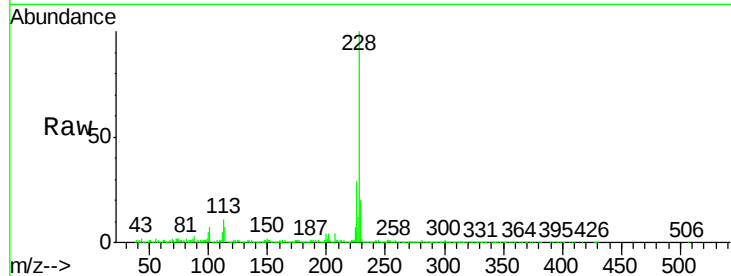
ClientSampleId :

CB373

Tgt Ion:	228	Resp:	989459
Ion Ratio	Lower	Upper	
228	100		
226	28.6	25.0	37.6
229	19.9	16.6	25.0

Manual Integrations
APPROVED

mohammad
4/10/2017 1:23:28 PM



#24

Benzo(b)fluoranthene

Concen: 23.26 ng/ul

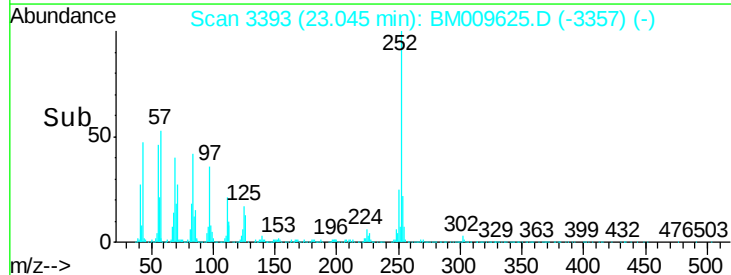
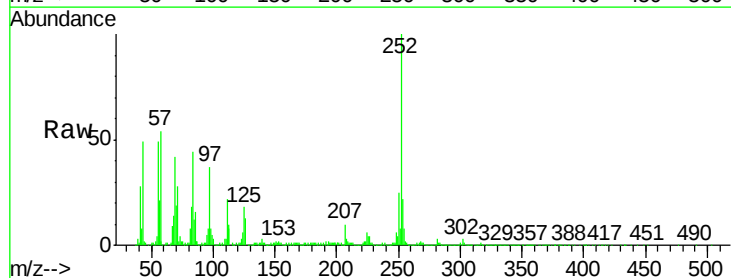
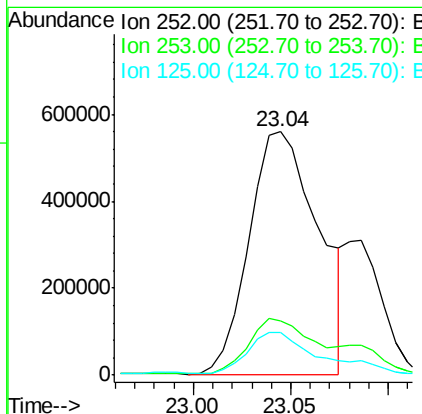
RT: 23.04 min Scan# 3393

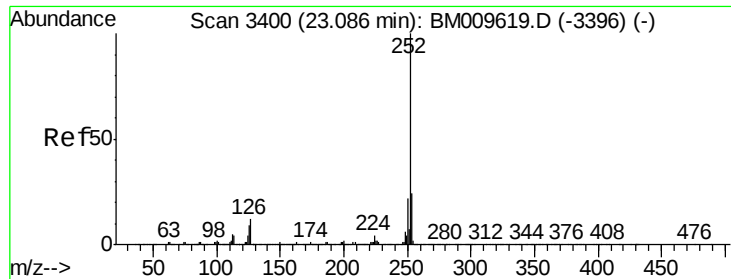
Delta R.T. 0.01 min

Lab File: BM009625.D

Acq: 07 Apr 2017 12:50

Tgt Ion:	252	Resp:	1374177
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.8	26.6
125	17.8	9.4	14.0#





#25

Benzo(k)fluoranthene

Concen: 7.23 ng/ul m

RT: 23.09 min Scan# 3400

Delta R.T. 0.01 min

Lab File: BM009625.D

Acq: 07 Apr 2017 12:50

Instrument :

BNA_M

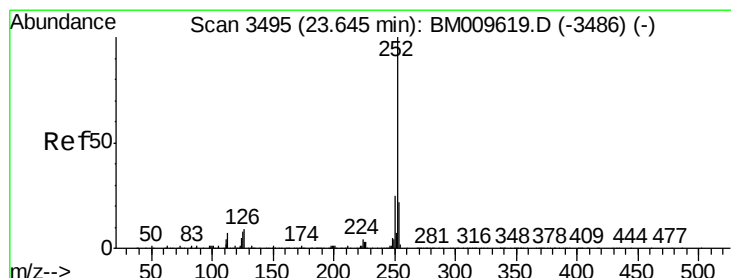
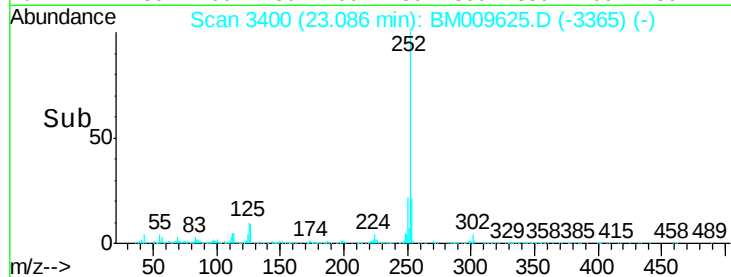
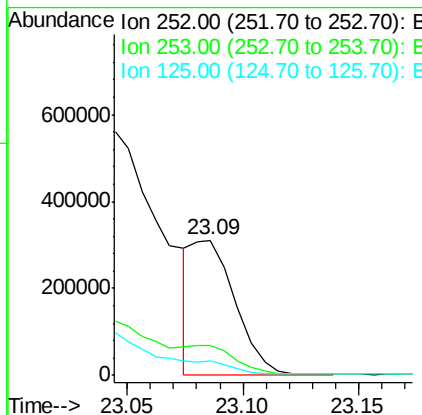
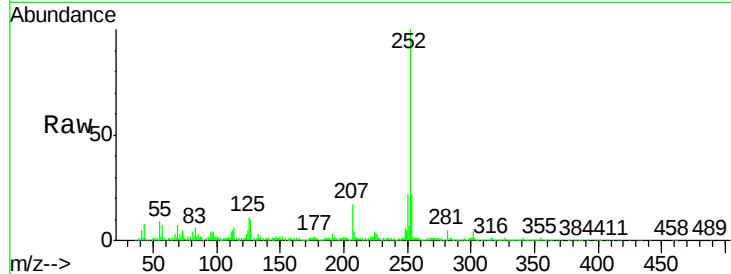
ClientSampleId :

CB373

Tgt	Ion	252	Resp:	406789
	Ratio	100	Lower	Upper
	252	100		
	253	22.3	17.4	26.2
	125	10.6	8.8	13.2

Manual Integrations
APPROVED

mohammad
4/10/2017 1:23:28 PM



#27

Benzo(a)pyrene

Concen: 16.13 ng/ul

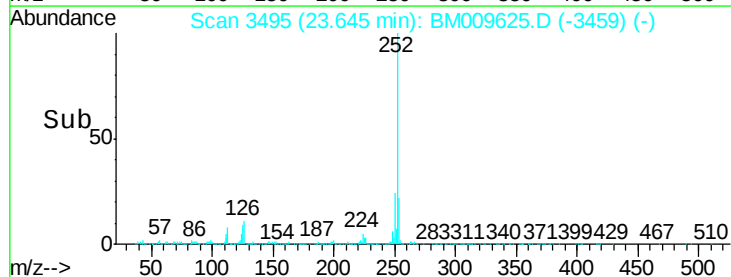
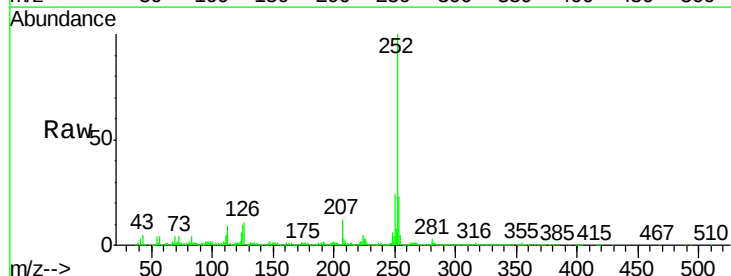
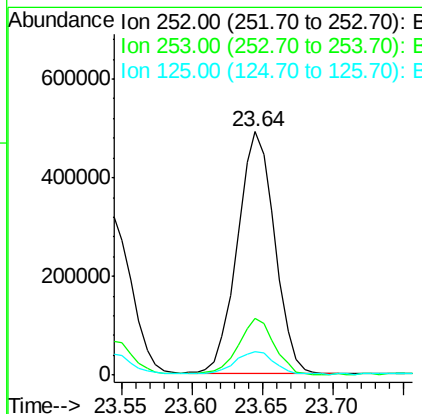
RT: 23.64 min Scan# 3495

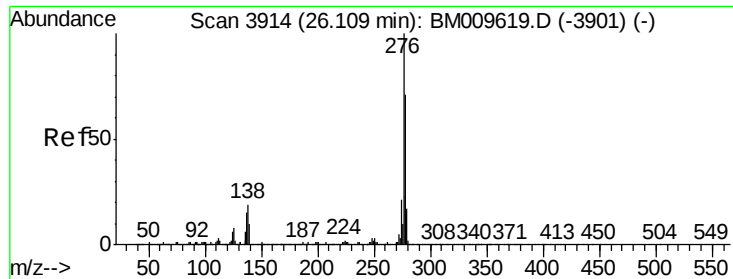
Delta R.T. 0.01 min

Lab File: BM009625.D

Acq: 07 Apr 2017 12:50

Tgt	Ion	252	Resp:	905691
	Ratio	100	Lower	Upper
	252	100		
	253	23.1	17.1	25.7
	125	9.8	9.4	14.2





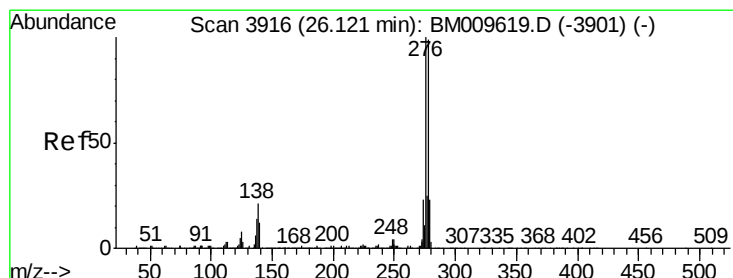
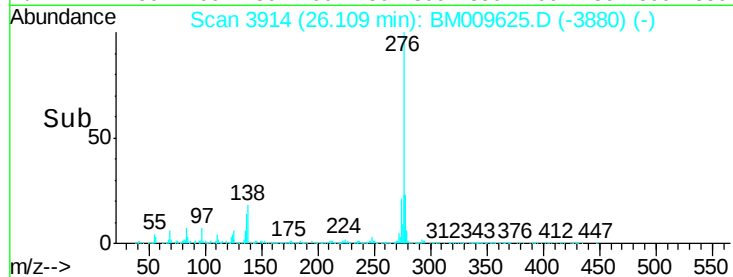
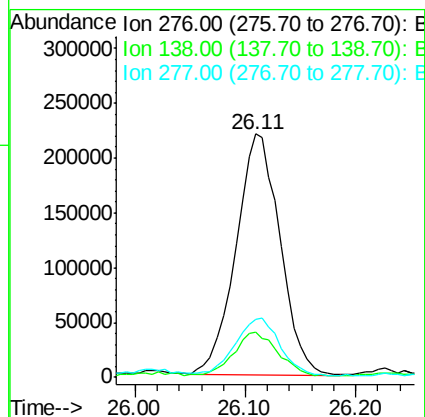
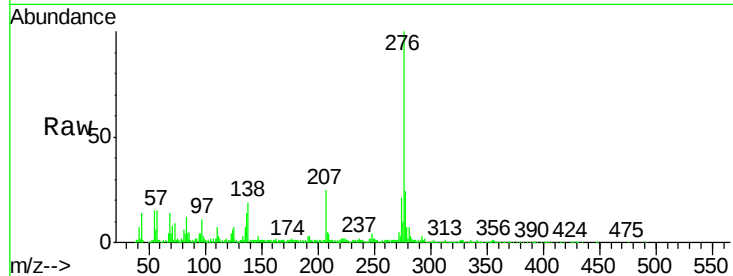
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 9.81 ng/ul
 RT: 26.11 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: BM009625.D
 Acq: 07 Apr 2017 12:50

Instrument :
 BNA_M
 ClientSampleId :
 CB373

Tgt Ion:	276	Resp:	617553
Ion Ratio	Lower	Upper	
276	100		
138	18.5	17.8	26.6
277	24.1	19.4	29.0

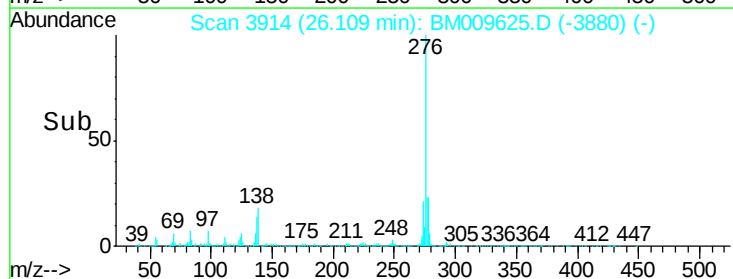
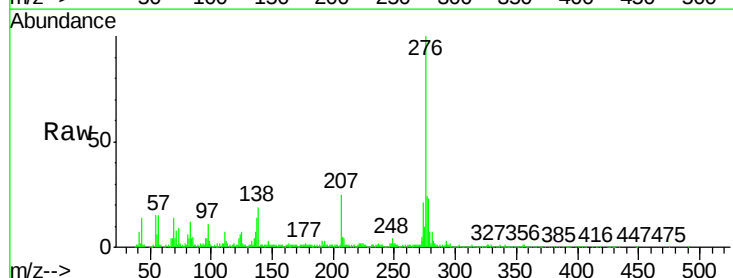
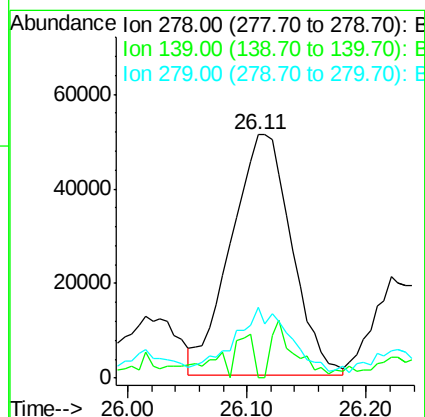
Manual Integrations
 APPROVED

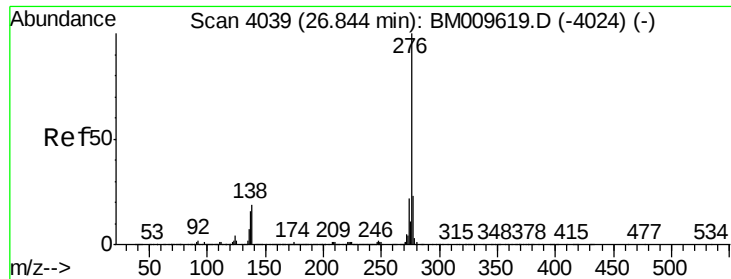
mohammad
 4/10/2017 1:23:28 PM



#29
 Dibenzo(a,h)anthracene
 Concen: 3.35 ng/ul m
 RT: 26.11 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: BM009625.D
 Acq: 07 Apr 2017 12:50

Tgt Ion:	278	Resp:	179339
Ion Ratio	Lower	Upper	
278	100		
139	0.0	14.0	21.0#
279	29.3	20.6	31.0





#30

Benzo(g,h,i)perylene

Concen: 10.17 ng/ul

RT: 26.84 min Scan# 4039

Delta R.T. 0.01 min

Lab File: BM009625.D

Acq: 07 Apr 2017 12:50

Instrument :

BNA_M

ClientSampleId :

CB373

Tgt	Ion	276	Resp:	527797
	Ratio	100	Lower	Upper
	276	100		
	138	18.5	19.0	28.4#
	277	26.2	19.7	29.5

Manual Integrations
APPROVED

mohammad
4/10/2017 1:23:28 PM

