

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
 Data File : BM020425.D
 Acq On : 20 May 2019 11:05
 Operator : JU/SJ
 Sample : K2633-04DL2 30X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GAJ96DL2

Manual Integrations
 APPROVED

Sohil
 5/21/2019 8:27:51 AM

Quant Time: May 21 03:11:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat May 18 05:13:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	66035	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	247472	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.39	164	147597	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.14	188	333176	20.00	ng/ul	0.01
77) Chrysene-d12	21.34	240	327670	20.00	ng/ul	0.02
85) Perylene-d12	23.63	264	395890	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.24	96	307	0.17	ng/uL	0.02
5) Phenol-d5	6.92	99	2724	0.52	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.09	67	1789	0.53	ng/ul	0.02
9) 2-Chlorophenol-d4	7.27	132	2573	0.67	ng/ul	0.01
13) 4-Methylphenol-d8	8.46	113	845	0.22	ng/ul	0.03
19) Nitrobenzene-d5	8.93	128	849m	0.53	ng/ul	0.03
22) 2-Nitrophenol-d4	9.63	143	765	0.43	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.17	165	1887	0.50	ng/ul	0.02
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
43) Dimethylphthalate-d6	13.80	166	11274	1.06	ng/ul	0.00
46) Acenaphthylene-d8	14.08	160	13457	1.01	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.39	176	10567	1.12	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.24	188	17058	1.19	ng/ul	0.01
78) Pyrene-d10	19.54	212	19150	1.21	ng/ul	0.02
89) Benzo(a)pyrene-d12	23.48	264	18262	1.02	ng/ul	0.04

Target Compounds

					Qvalue	
28) Naphthalene	10.58	128	27079	2.382	ng/ul#	97
34) 2-Methylnaphthalene	12.20	142	472052	57.341	ng/ul	97
40) 1,1'-Biphenyl	13.22	154	93953	8.892	ng/ul	99
47) Acenaphthylene	14.12	152	284029	22.675	ng/ul	96
49) Acenaphthene	14.46	153	34995	4.064	ng/ul	97
53) Dibenzofuran	14.79	168	39765	3.049	ng/ul	94
58) Fluorene	15.44	166	189340	18.125	ng/ul	99
69) Phenanthrene	17.19	178	1120536	70.585	ng/ul	100
71) Anthracene	17.28	178	80452	4.982	ng/ul	98
76) Fluoranthene	19.21	202	200696	10.008	ng/ul	99
79) Pyrene	19.57	202	308650	15.693	ng/ul	98
82) Benzo(a)anthracene	21.33	228	112177	5.688	ng/ul#	92
84) Chrysene	21.38	228	100978	5.358	ng/ul	94
87) Benzo(b)fluoranthene	22.94	252	54039m	2.392	ng/ul	
88) Benzo(k)fluoranthene	22.96	252	24545m	1.106	ng/ul	
90) Benzo(a)pyrene	23.52	252	34799	1.637	ng/ul#	71

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

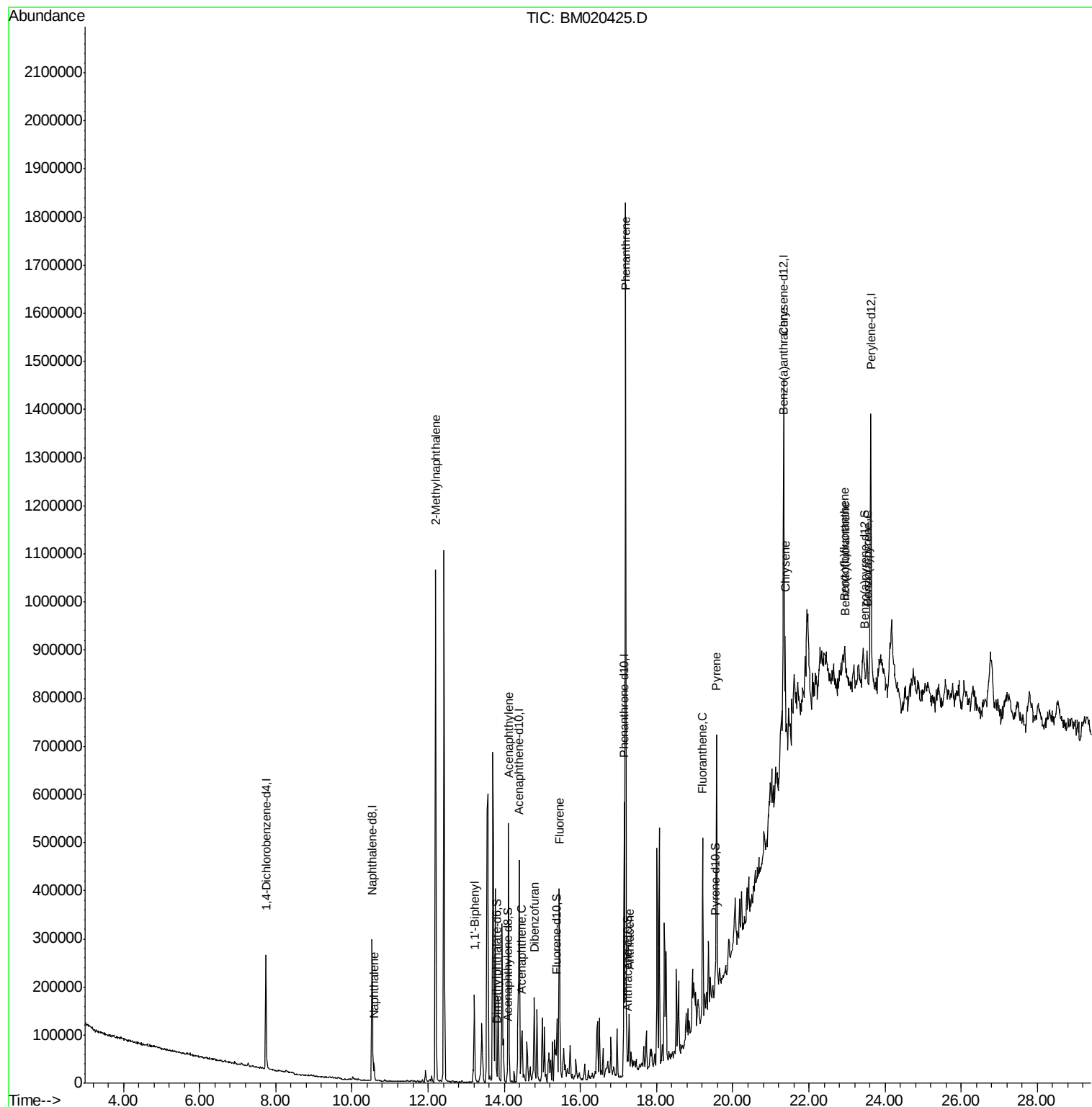
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
Data File : BM020425.D
Acq On : 20 May 2019 11:05
Operator : JU/SJ
Sample : K2633-04DL2 30X
Misc :
ALS Vial : 4 Sample Multiplier: 1

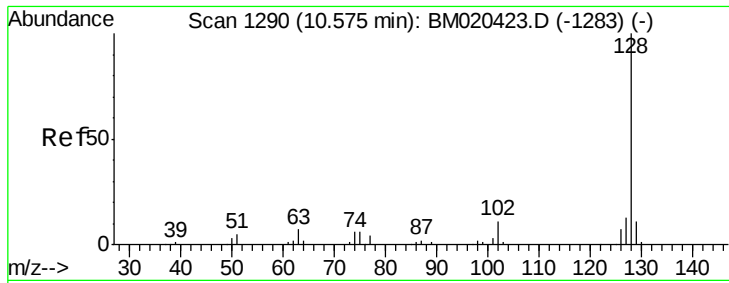
Instrument :
BNA_M
ClientSampleId :
GAJ96DL2

Manual Integrations
APPROVED

Sohil
5/21/2019 8:27:51 AM

Quant Time: May 21 03:11:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration





#28

Naphthalene

Concen: 2.382 ng/ul

RT: 10.58 min Scan# 1291

Delta R.T. 0.01 min

Lab File: BM020425.D

Acq: 20 May 2019 11:05

Instrument :

BNA_M

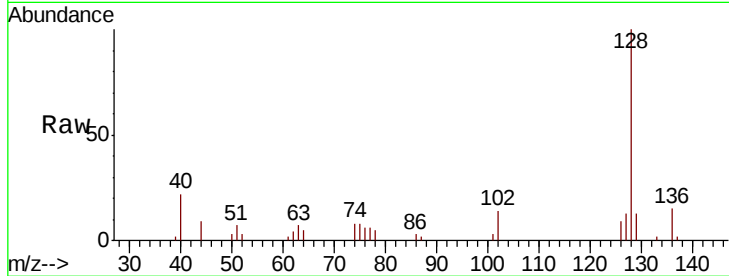
ClientSampleId :

GAJ96DL2

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.0	8.6	13.0#
127	13.2	10.6	15.8

Manual Integrations
APPROVED

Sohil
5/21/2019 8:27:51 AM

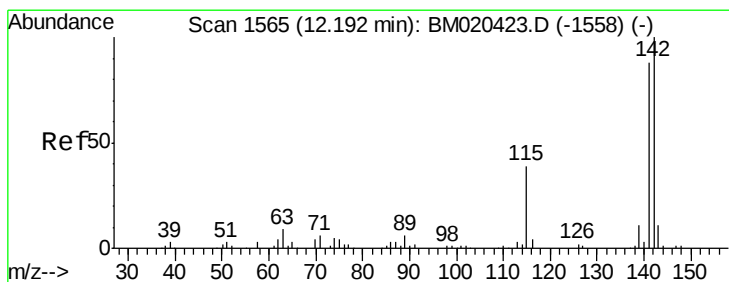
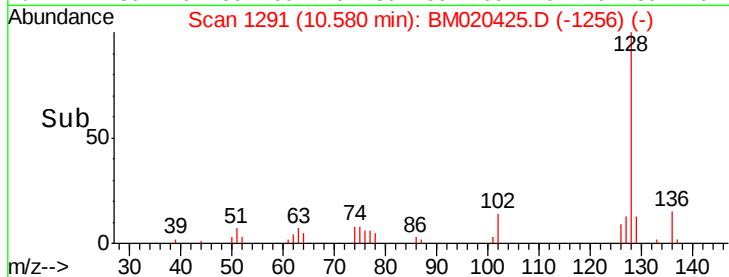
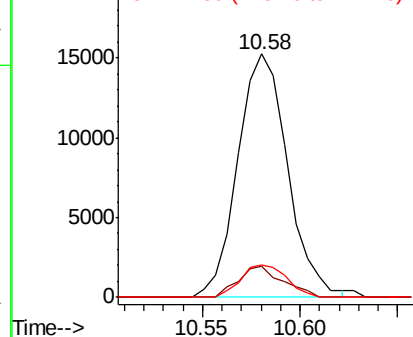


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 57.341 ng/ul

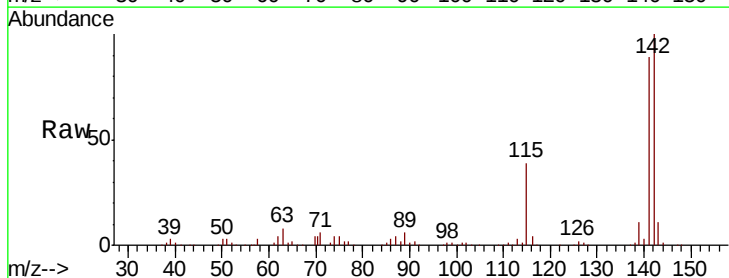
RT: 12.20 min Scan# 1566

Delta R.T. 0.01 min

Lab File: BM020425.D

Acq: 20 May 2019 11:05

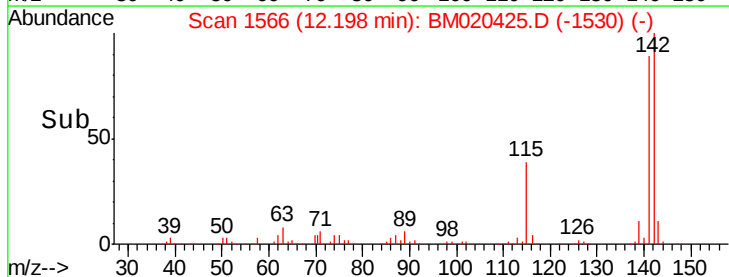
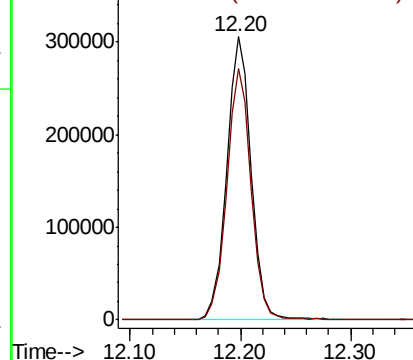
Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.6	68.6	102.8

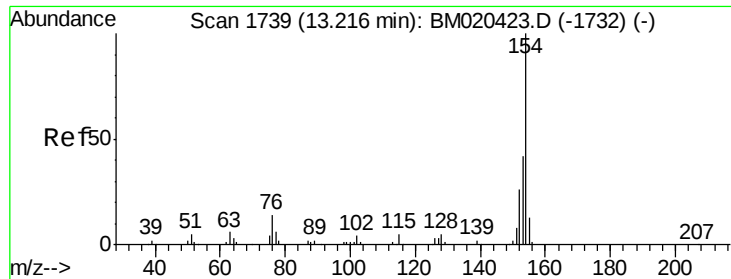


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





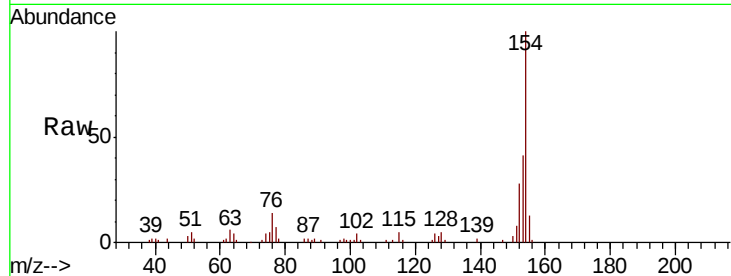
#40
 1,1'-Biphenyl
 Concen: 8.892 ng/ul
 RT: 13.22 min Scan# 1739
 Delta R.T. 0.01 min
 Lab File: BM020425.D
 Acq: 20 May 2019 11:05

Instrument :
 BNA_M
 ClientSampleId :
 GAJ96DL2

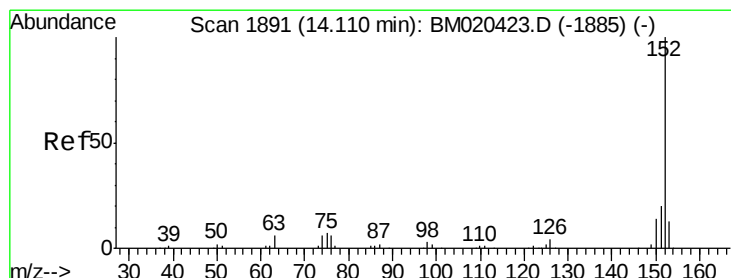
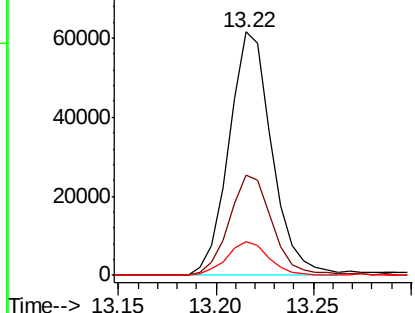
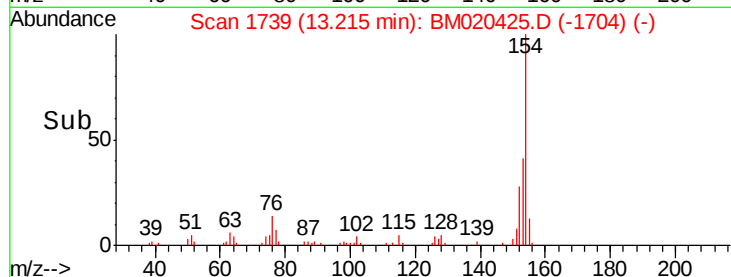
Tgt Ion:	154	Resp:	93953
Ion Ratio	Lower	Upper	
154	100		
153	41.3	32.2	48.4
76	13.8	11.0	16.4

Manual Integrations
 APPROVED

Sohil
 5/21/2019 8:27:51 AM

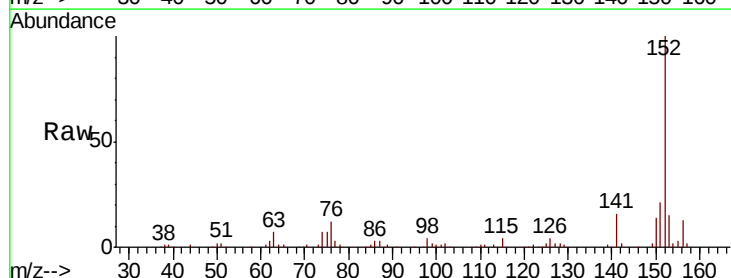


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

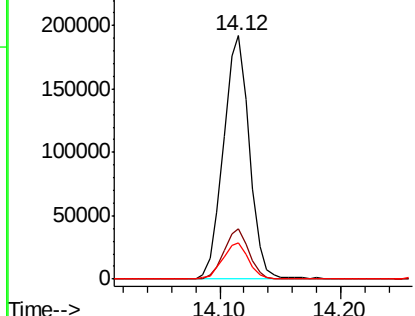
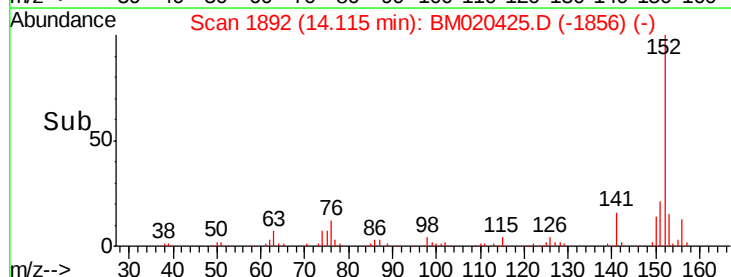


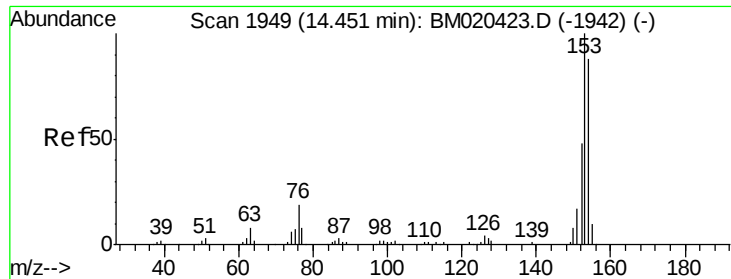
#47
 Acenaphthylene
 Concen: 22.675 ng/ul
 RT: 14.12 min Scan# 1892
 Delta R.T. 0.01 min
 Lab File: BM020425.D
 Acq: 20 May 2019 11:05

Tgt Ion:	152	Resp:	284029
Ion Ratio	Lower	Upper	
152	100		
151	20.8	15.4	23.0
153	15.2	10.3	15.5



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





#49

Acenaphthene

Concen: 4.064 ng/ul

RT: 14.46 min Scan# 1950

Delta R.T. 0.01 min

Lab File: BM020425.D

Acq: 20 May 2019 11:05

Instrument :

BNA_M

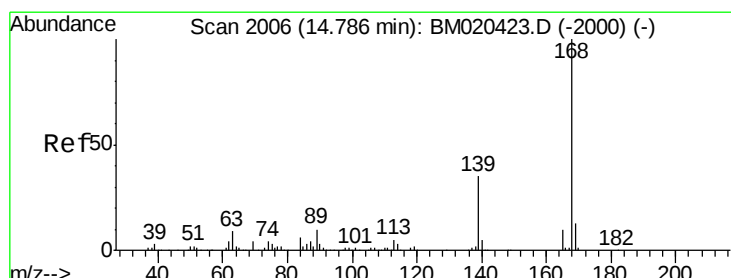
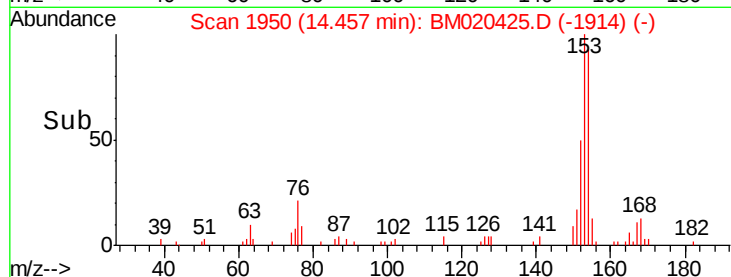
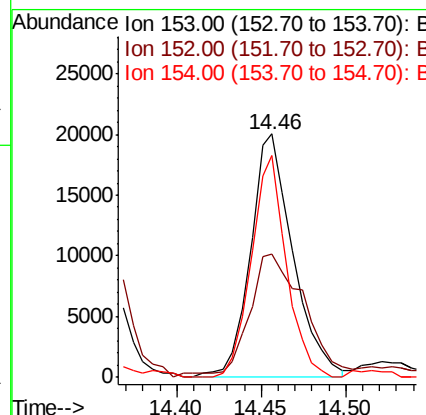
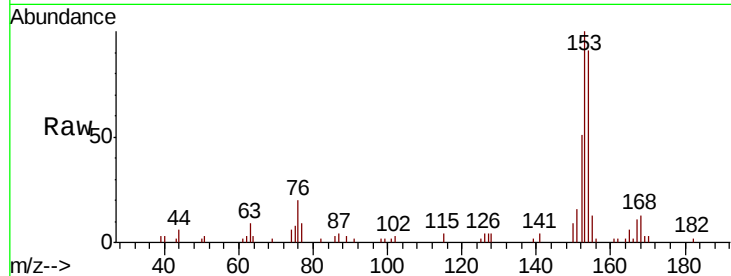
ClientSampled :

GAJ96DL2

Tgt Ion:	153	Resp:	34995
Ion Ratio	Lower	Upper	
153	100		
152	50.5	37.9	56.9
154	91.2	71.2	106.8

Manual Integrations
APPROVED

Sohil
5/21/2019 8:27:51 AM



#53

Dibenzofuran

Concen: 3.049 ng/ul

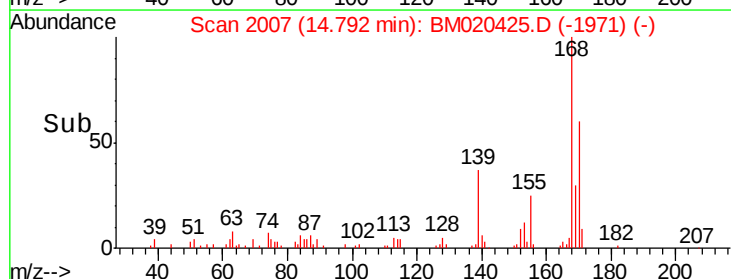
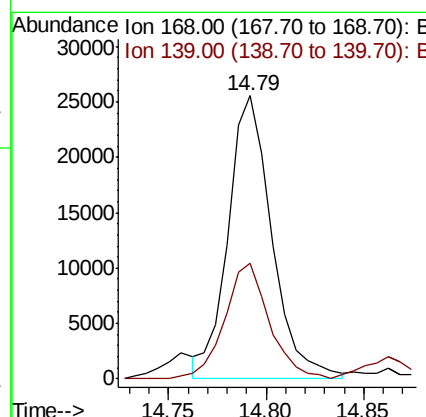
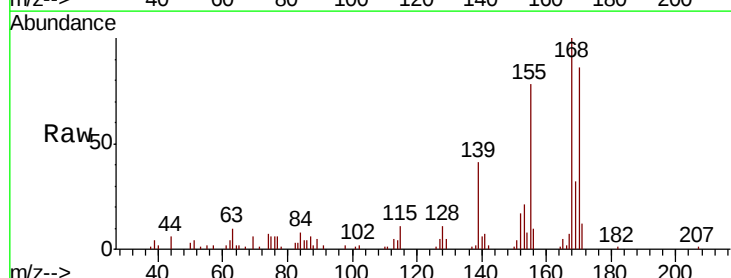
RT: 14.79 min Scan# 2007

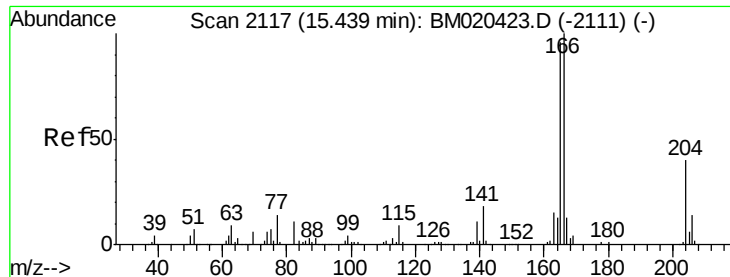
Delta R.T. 0.01 min

Lab File: BM020425.D

Acq: 20 May 2019 11:05

Tgt Ion:	168	Resp:	39765
Ion Ratio	Lower	Upper	
168	100		
139	41.1	30.1	45.1





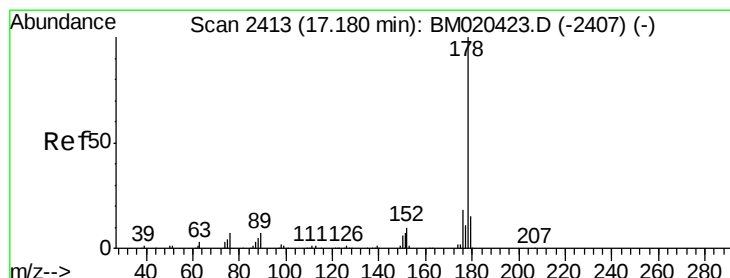
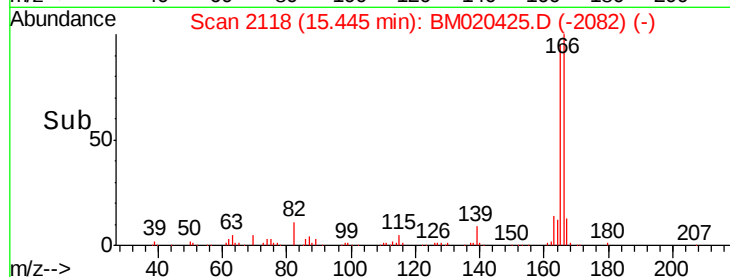
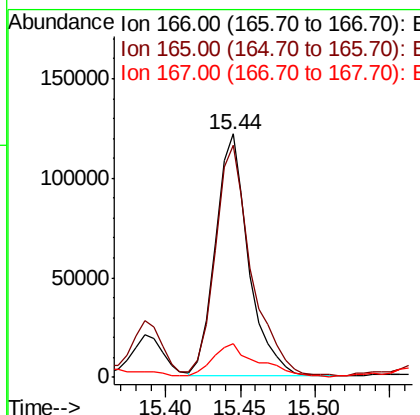
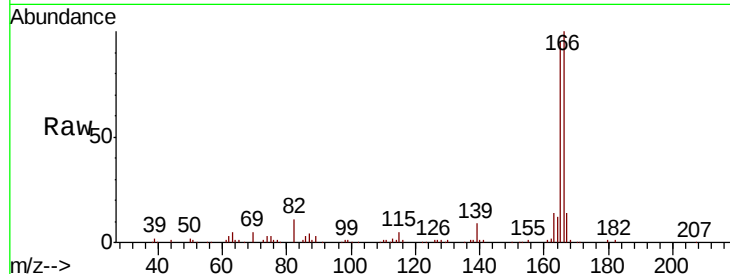
#58
 Fluorene
 Concen: 18.125 ng/ul
 RT: 15.44 min Scan# 2118
 Delta R.T. 0.01 min
 Lab File: BM020425.D
 Acq: 20 May 2019 11:05

Instrument :
 BNA_M
 ClientSampleId :
 GAJ96DL2

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	189340		
165	95.2	77.1	115.7	
167	13.8	11.1	16.7	

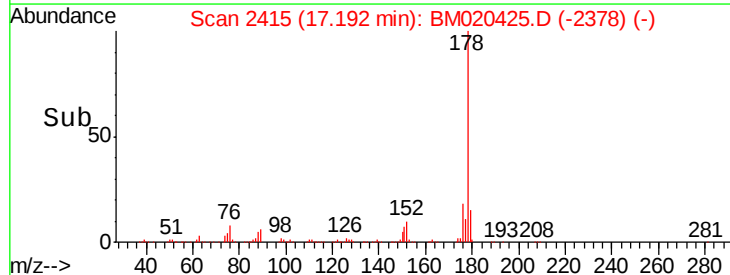
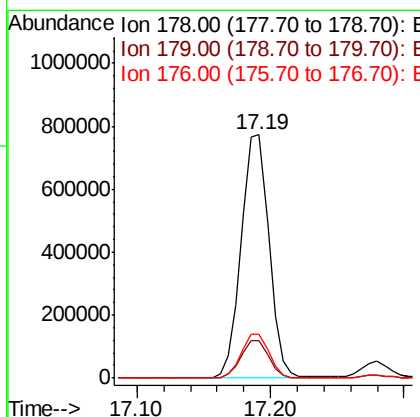
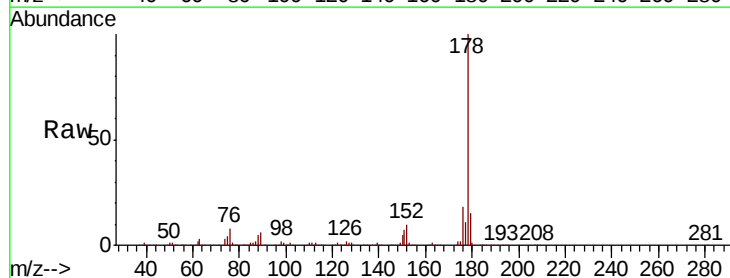
Manual Integrations
 APPROVED

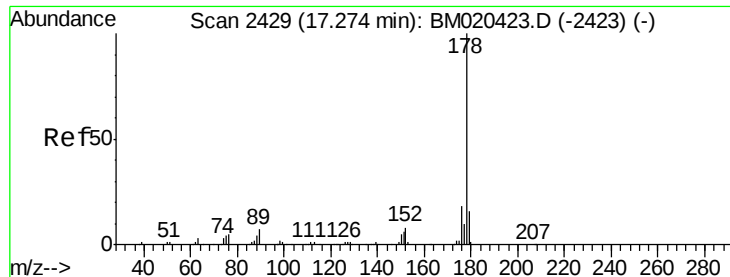
Sohil
 5/21/2019 8:27:51 AM



#69
 Phenanthrene
 Concen: 70.585 ng/ul
 RT: 17.19 min Scan# 2415
 Delta R.T. 0.02 min
 Lab File: BM020425.D
 Acq: 20 May 2019 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1120536		
179	15.3	11.9	17.9	
176	18.3	14.6	22.0	





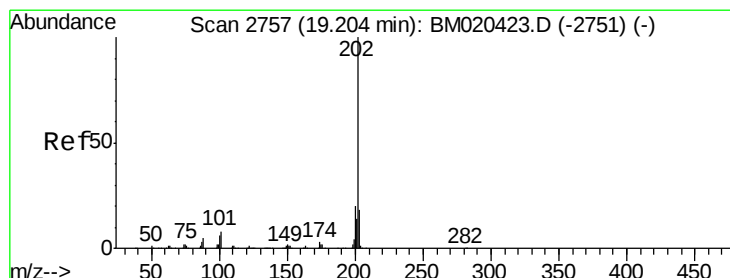
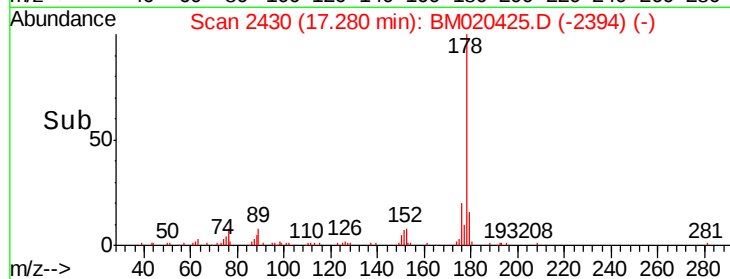
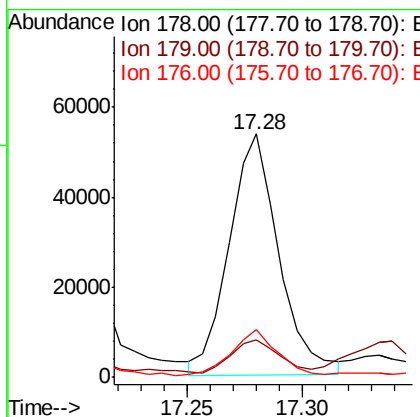
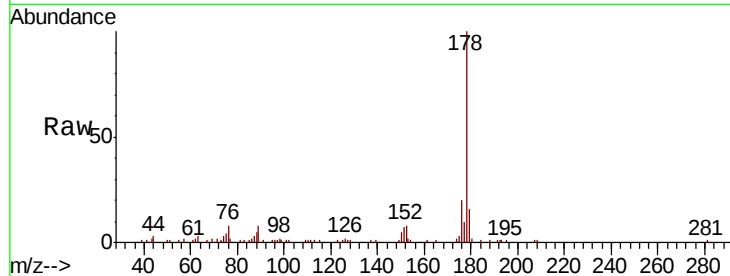
#71
 Anthracene
 Concen: 4.982 ng/ul
 RT: 17.28 min Scan# 2430
 Delta R.T. 0.01 min
 Lab File: BM020425.D
 Acq: 20 May 2019 11:05

Instrument :
 BNA_M
 ClientSampleId :
 GAJ96DL2

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6
176	19.7	14.4	21.6

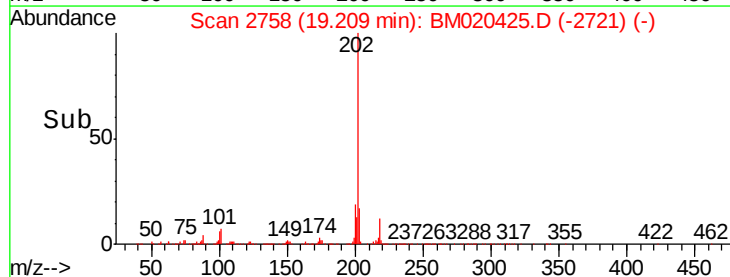
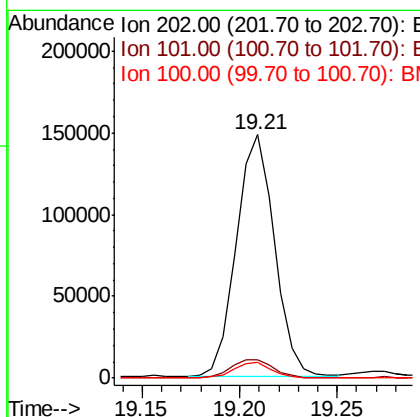
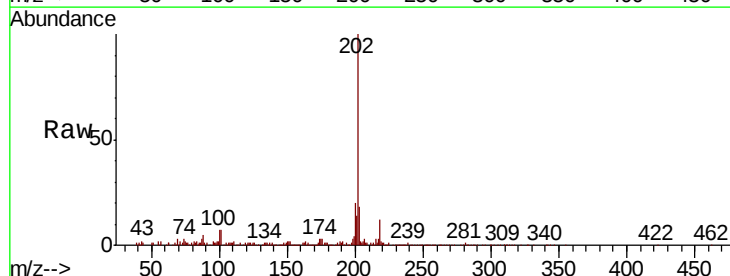
Manual Integrations
 APPROVED

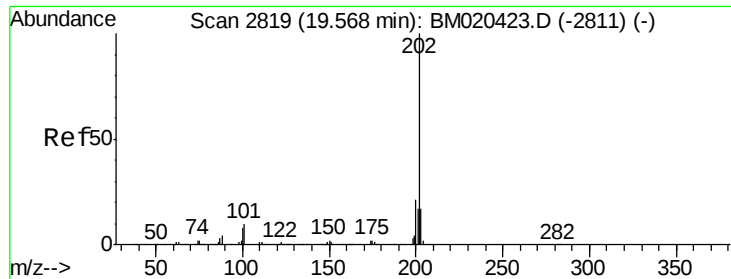
Sohil
 5/21/2019 8:27:51 AM



#76
 Fluoranthene
 Concen: 10.008 ng/ul
 RT: 19.21 min Scan# 2758
 Delta R.T. 0.02 min
 Lab File: BM020425.D
 Acq: 20 May 2019 11:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.3	6.4	9.6
100	6.6	5.2	7.8





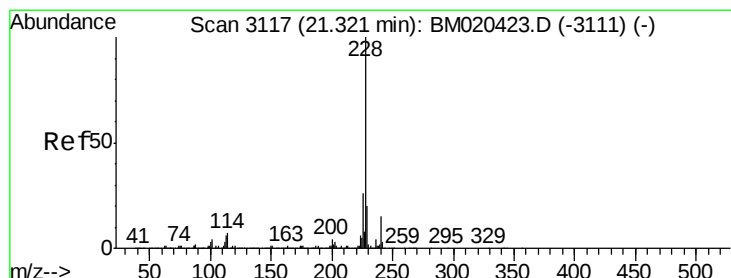
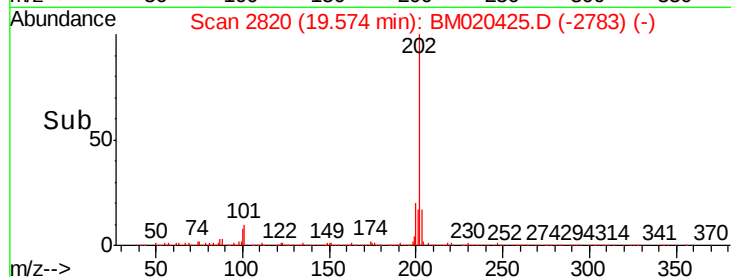
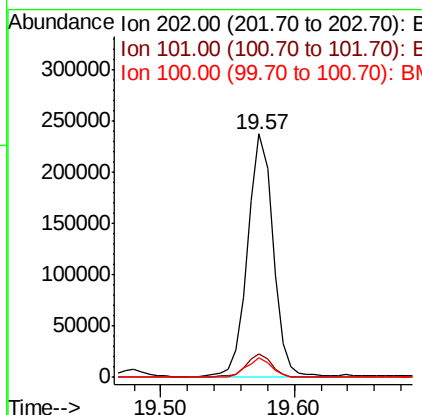
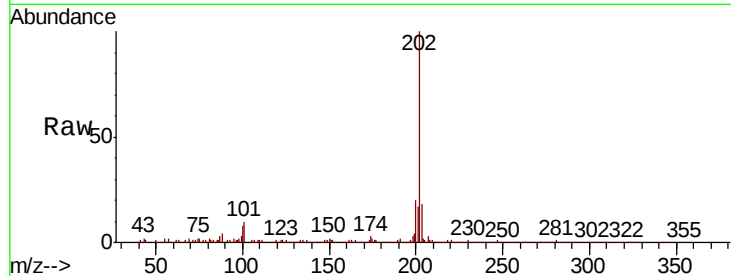
#79
 Pyrene
 Concen: 15.693 ng/ul
 RT: 19.57 min Scan# 2820
 Delta R.T. 0.02 min
 Lab File: BM020425.D
 Acq: 20 May 2019 11:05

Instrument :
 BNA_M
 ClientSampleId :
 GAJ96DL2

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.5	7.1	10.7
100	8.1	5.9	8.9

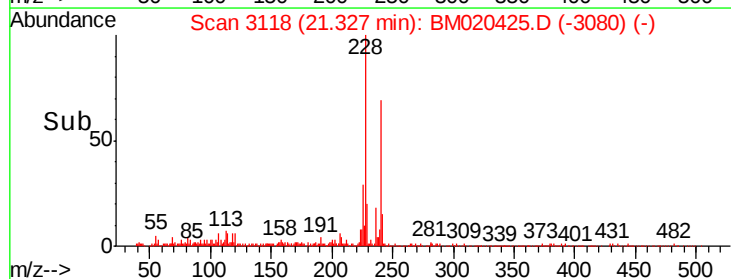
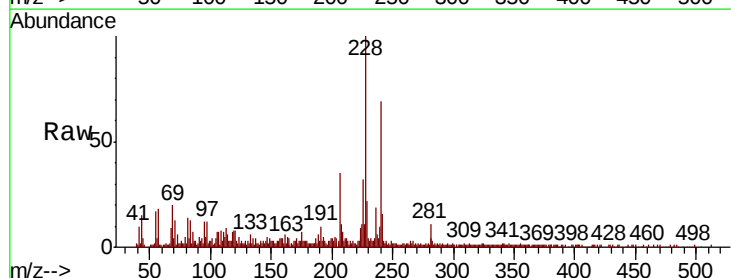
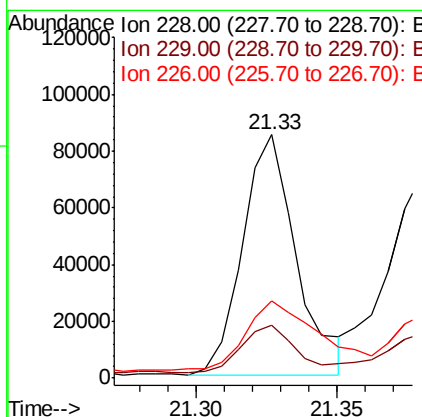
Manual Integrations
 APPROVED

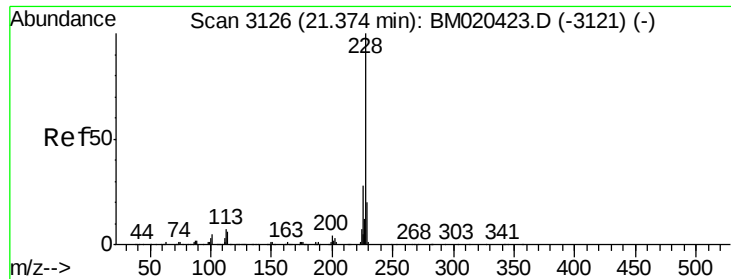
Sohil
 5/21/2019 8:27:51 AM



#82
 Benzo(a)anthracene
 Concen: 5.688 ng/ul
 RT: 21.33 min Scan# 3118
 Delta R.T. 0.02 min
 Lab File: BM020425.D
 Acq: 20 May 2019 11:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.5	15.8	23.8
226	31.6	20.6	30.8





#84

Chrysene

Concen: 5.358 ng/ul

RT: 21.38 min Scan# 3127

Delta R.T. 0.02 min

Lab File: BM020425.D

Acq: 20 May 2019 11:05

Instrument :

BNA_M

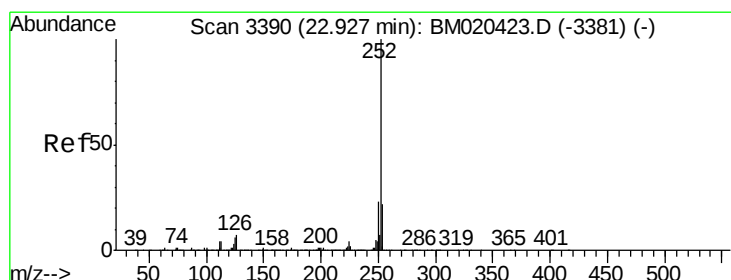
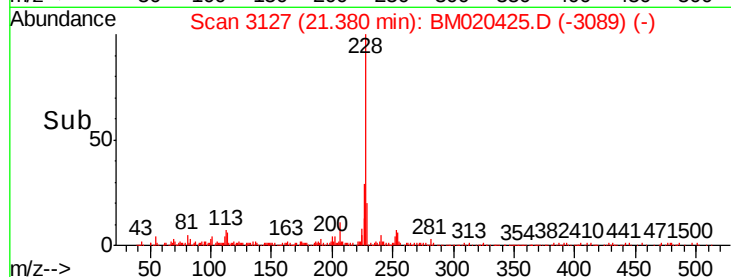
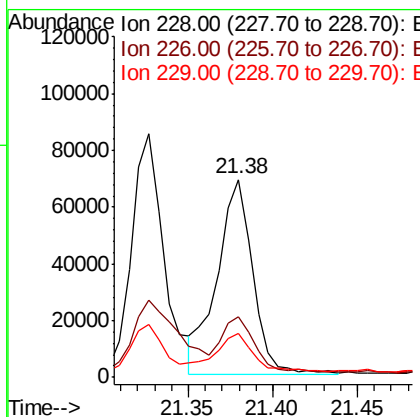
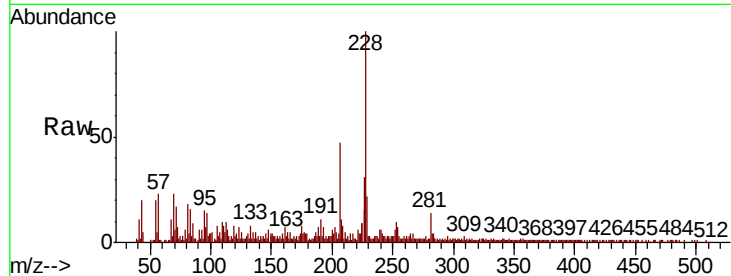
ClientSampleId :

GAJ96DL2

Tgt Ion:	228	Resp:	100978
Ion Ratio		Lower	Upper
228	100		
226	30.9	22.2	33.4
229	22.4	15.4	23.2

Manual Integrations
APPROVED

Sohil
5/21/2019 8:27:51 AM



#87

Benzo(b)fluoranthene

Concen: 2.392 ng/ul m

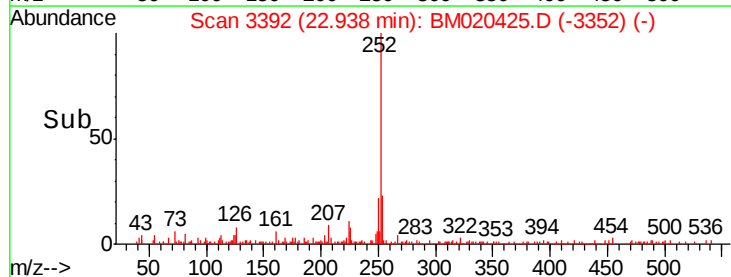
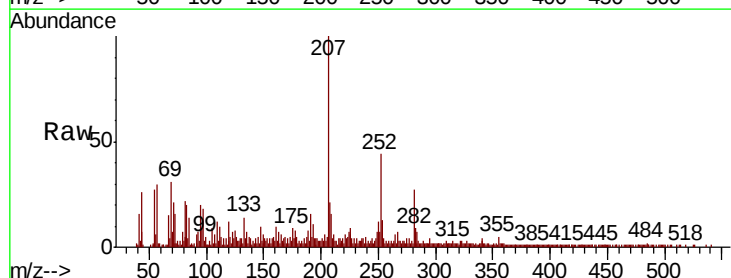
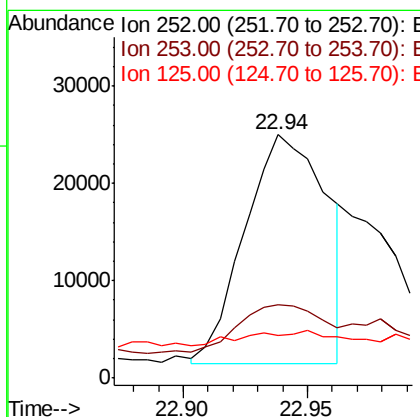
RT: 22.94 min Scan# 3392

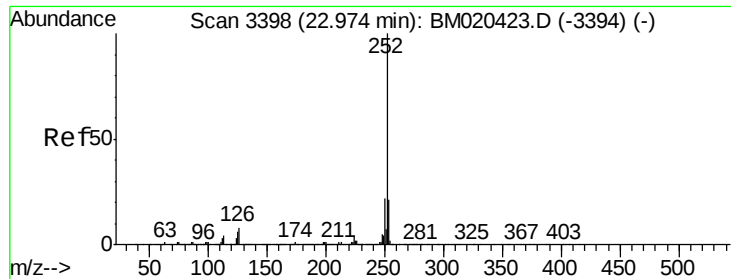
Delta R.T. 0.04 min

Lab File: BM020425.D

Acq: 20 May 2019 11:05

Tgt Ion:	252	Resp:	54039
Ion Ratio		Lower	Upper
252	100		
253	30.1	17.0	25.6#
125	17.6	5.0	7.4#





#88

Benzo(k)fluoranthene

Concen: 1.106 ng/ul m

RT: 22.96 min Scan# 3396

Delta R.T. 0.01 min

Lab File: BM020425.D

Acq: 20 May 2019 11:05

Instrument :

BNA_M

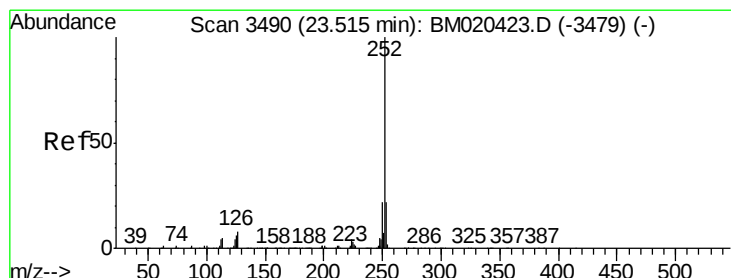
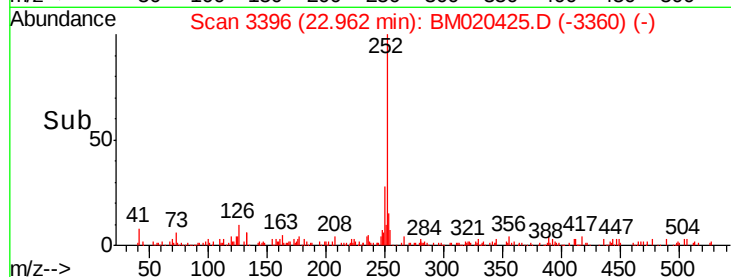
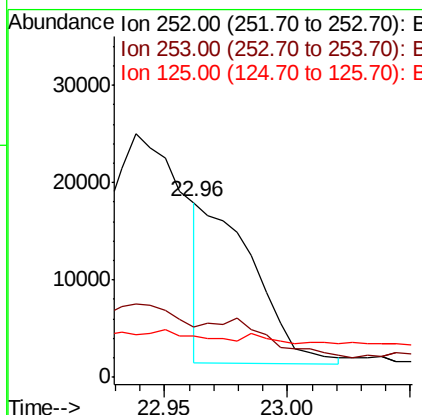
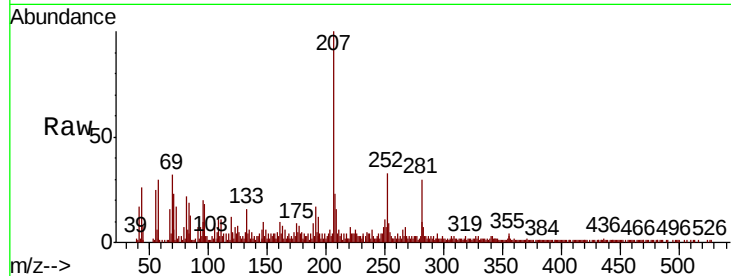
ClientSampleId :

GAJ96DL2

Tgt Ion:	252	Resp:	24545
Ion Ratio	Lower	Upper	
252	100		
253	29.0	17.6	26.4#
125	23.5	5.0	7.6#

Manual Integrations
APPROVED

Sohil
5/21/2019 8:27:51 AM



#90

Benzo(a)pyrene

Concen: 1.637 ng/ul

RT: 23.52 min Scan# 3491

Delta R.T. 0.03 min

Lab File: BM020425.D

Acq: 20 May 2019 11:05

Tgt Ion:	252	Resp:	34799
Ion Ratio	Lower	Upper	
252	100		
253	32.1	17.4	26.2#
125	24.4	5.4	8.2#

