

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
 Data File : BM021284.D
 Acq On : 30 Jun 2019 04:31
 Operator : HP/JU
 Sample : K3590-07
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C5BA6

Manual Integrations
 APPROVED

mohammad
 7/1/2019 2:43:53 PM

Quant Time: Jun 30 05:06:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jun 30 03:35:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	344052	20.00	ng/ul	0.00
18) Naphthalene-d8	10.55	136	1517991	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.40	164	963427	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.15	188	2140231	20.00	ng/ul	0.00
77) Chrysene-d12	21.34	240	1572325	20.00	ng/ul	0.00
85) Perylene-d12	23.61	264	1776570	20.00	ng/ul	0.00

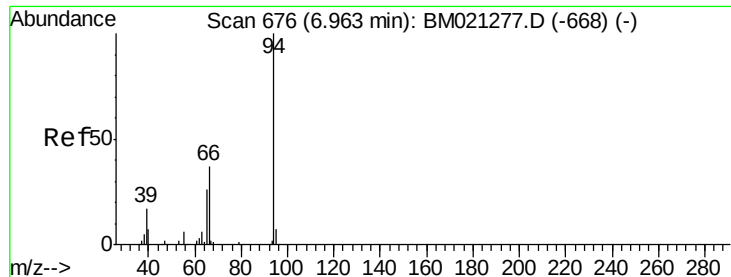
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.28	96	19959	2.75	ng/uL	0.00
5) Phenol-d5	6.93	99	519253	17.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	290326	16.27	ng/ul	0.00
9) 2-Chlorophenol-d4	7.29	132	430952	17.71	ng/ul	0.00
13) 4-Methylphenol-d8	8.46	113	444785	17.79	ng/ul	0.00
19) Nitrobenzene-d5	8.92	128	225859	18.32	ng/ul	0.00
22) 2-Nitrophenol-d4	9.64	143	268488	19.62	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.17	165	525060	18.87	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	149444	5.15	ng/ul	0.00
43) Dimethylphthalate-d6	13.82	166	1683995	19.34	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	1941625	18.22	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	238278	16.83	ng/ul	0.00
57) Fluorene-d10	15.40	176	1458194	19.26	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.53	200	181425	13.79	ng/ul	0.00
70) Anthracene-d10	17.25	188	2215544	19.92	ng/ul	0.00
78) Pyrene-d10	19.54	212	2141513	22.70	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.47	264	2130969	20.33	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.96	94	34034	1.202	ng/ul	94
44) Dimethylphthalate	13.86	163	422391	5.330	ng/ul	99
69) Phenanthrene	17.19	178	641803	5.422	ng/ul	99
76) Fluoranthene	19.21	202	1881554	14.712	ng/ul	99
79) Pyrene	19.57	202	1461788	13.151	ng/ul	100
82) Benzo(a)anthracene	21.32	228	689968	6.437	ng/ul	98
83) Bis(2-ethylhexyl)phthalate	21.24	149	120149	2.051	ng/ul	100
84) Chrysene	21.37	228	838332	8.350	ng/ul	99
87) Benzo(b)fluoranthene	22.93	252	1285387	11.422	ng/ul#	96
88) Benzo(k)fluoranthene	22.96	252	387589m	3.580	ng/ul	
90) Benzo(a)pyrene	23.51	252	741849	7.004	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.90	276	608136	4.876	ng/ul	98
92) Dibenzo(a,h)anthracene	25.90	278	149519	1.425	ng/ul#	83
93) Benzo(g,h,i)perylene	26.61	276	573939	5.587	ng/ul	98

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



#6

Phenol

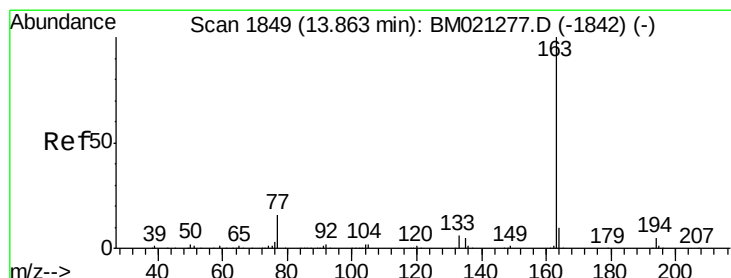
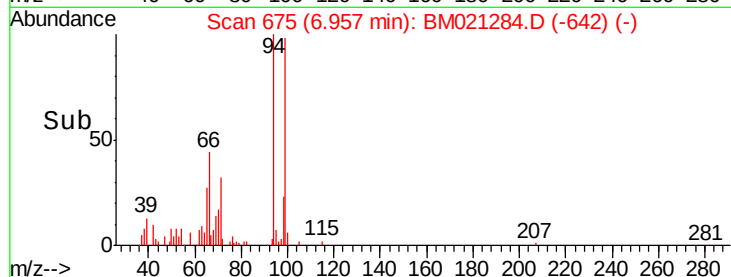
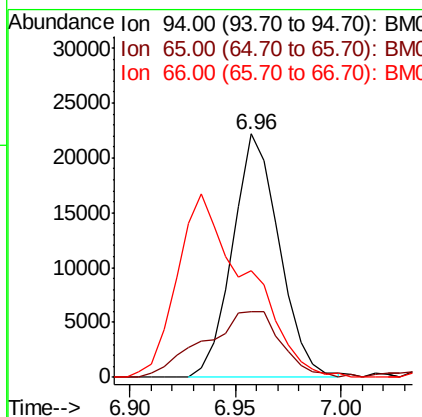
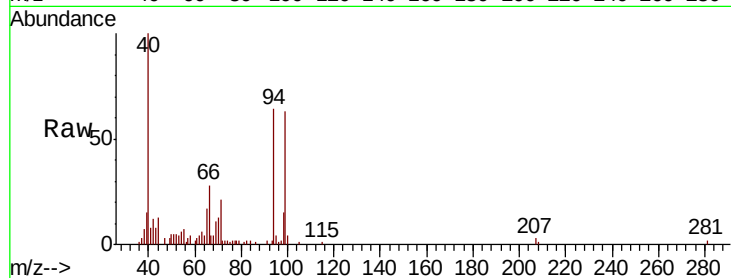
Concen: 1.202 ng/ul
 RT: 6.96 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: BM021284.D
 Acq: 30 Jun 2019 04:31

Instrument :
 BNA_M
 ClientSampleId :
 C5BA6

Tot Ion	Ratio	Lower	Upper
94	100		
65	26.9	22.6	34.0
66	43.6	31.2	46.8

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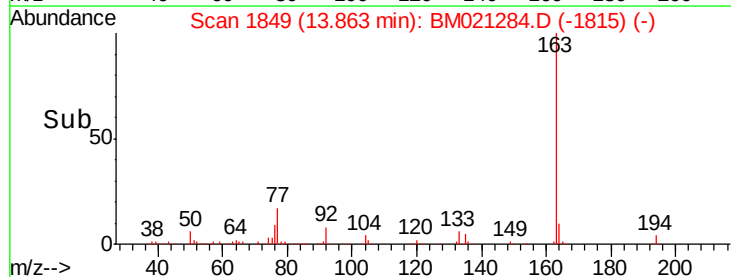
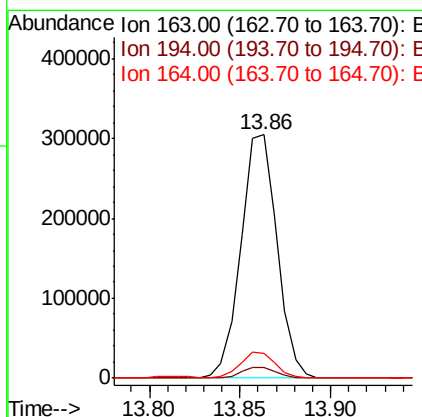
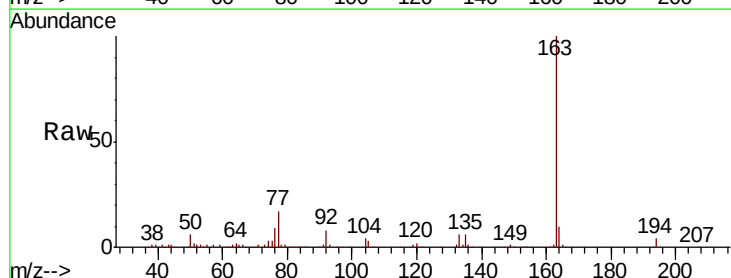


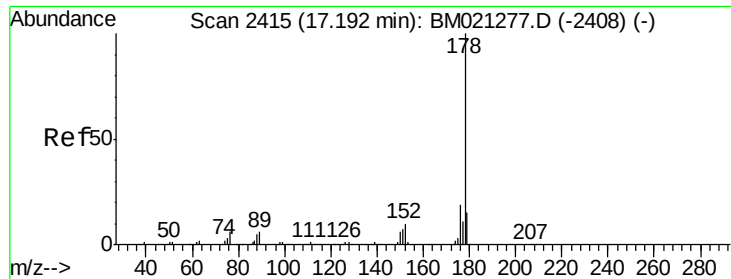
#44

Dimethylphthalate

Concen: 5.330 ng/ul
 RT: 13.86 min Scan# 1849
 Delta R.T. -0.00 min
 Lab File: BM021284.D
 Acq: 30 Jun 2019 04:31

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.2
164	10.0	7.7	11.5





#69

Phenanthrene

Concen: 5.422 ng/ul

RT: 17.19 min Scan# 2415

Delta R.T. -0.00 min

Lab File: BM021284.D

Acq: 30 Jun 2019 04:31

Instrument :

BNA_M

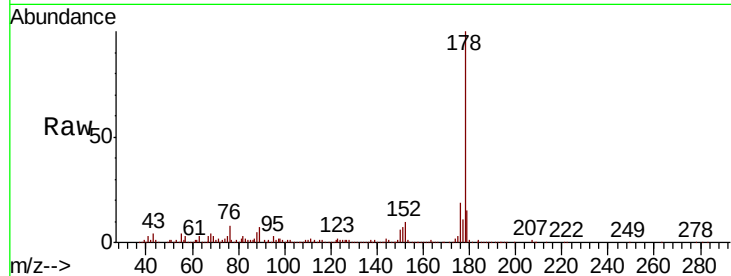
ClientSampleId :

C5BA6

Tot Ion:	178	Resp:	641803
Ion Ratio	Lower	Upper	
178	100		
179	15.3	11.8	17.8
176	18.7	15.0	22.6

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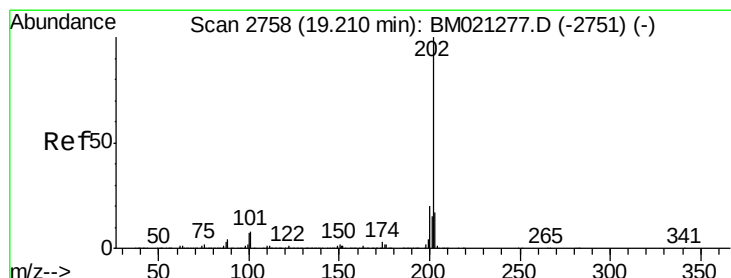
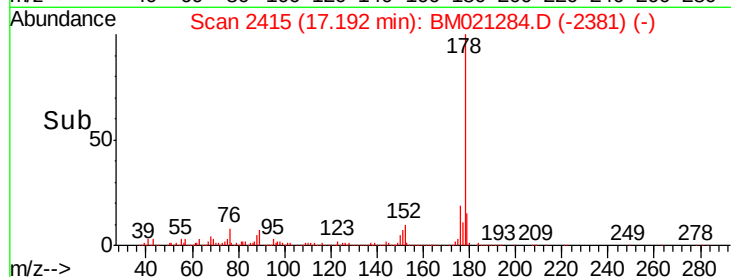
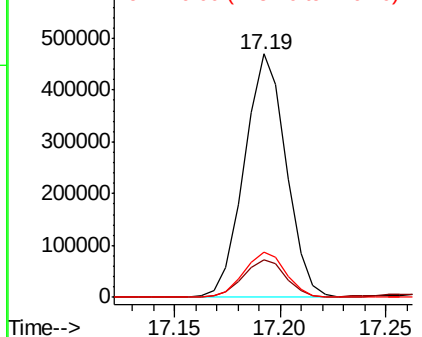


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#76

Fluoranthene

Concen: 14.712 ng/ul

RT: 19.21 min Scan# 2758

Delta R.T. -0.00 min

Lab File: BM021284.D

Acq: 30 Jun 2019 04:31

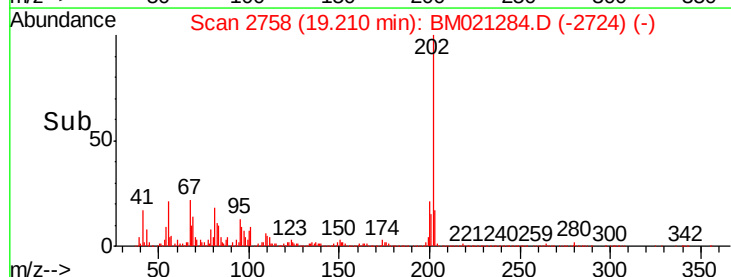
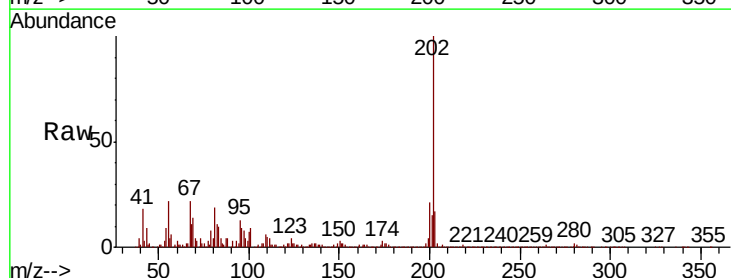
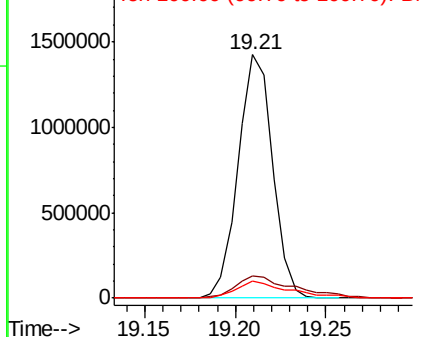
Tgt Ion:	202	Resp:	1881554
Ion Ratio	Lower	Upper	
202	100		
101	8.9	6.7	10.1
100	6.8	5.5	8.3

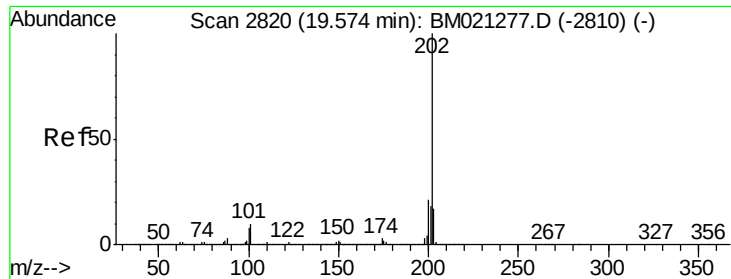
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





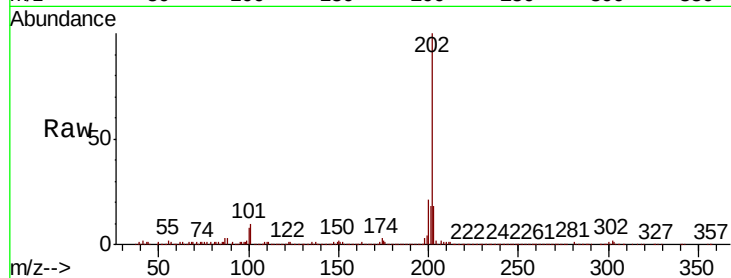
#79
 Pvrene
 Concen: 13.151 ng/ul
 RT: 19.57 min Scan# 2820
 Delta R.T. -0.00 min
 Lab File: BM021284.D
 Acq: 30 Jun 2019 04:31

Instrument :
 BNA_M
 ClientSampleId :
 C5BA6

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.3	8.1	12.1
100	8.4	6.6	10.0

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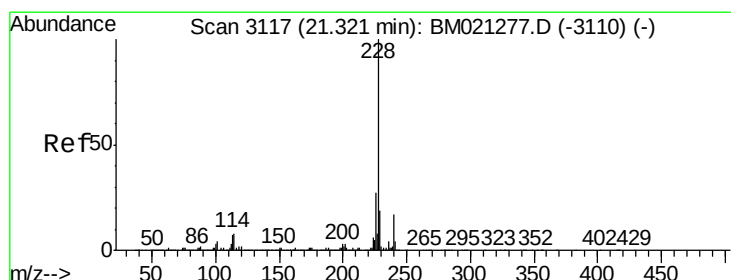
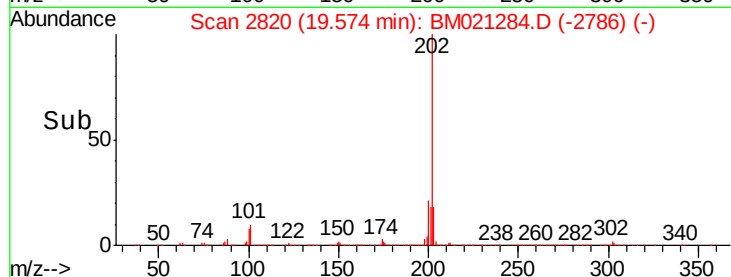
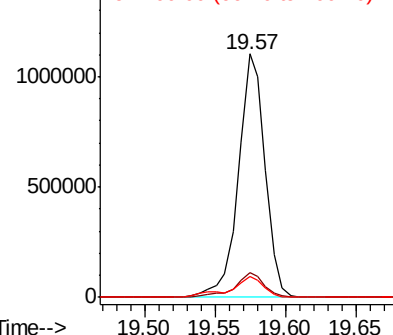


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#82
 Benzo(a)anthracene
 Concen: 6.437 ng/ul
 RT: 21.32 min Scan# 3117
 Delta R.T. -0.00 min
 Lab File: BM021284.D
 Acq: 30 Jun 2019 04:31

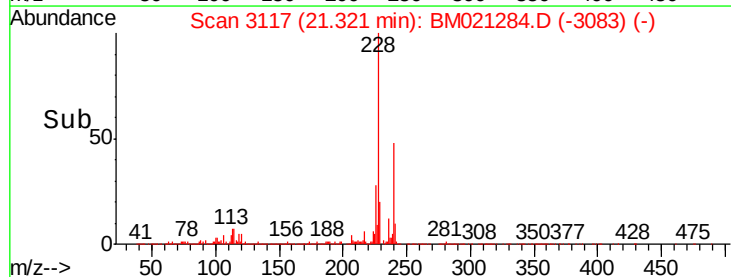
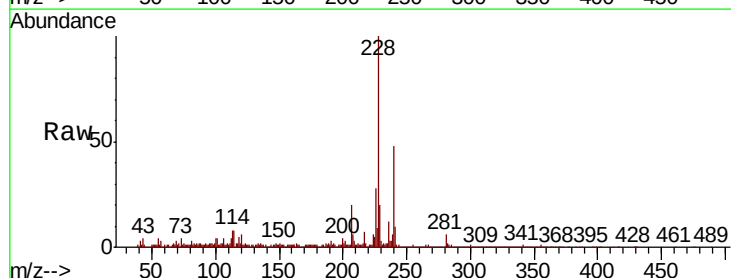
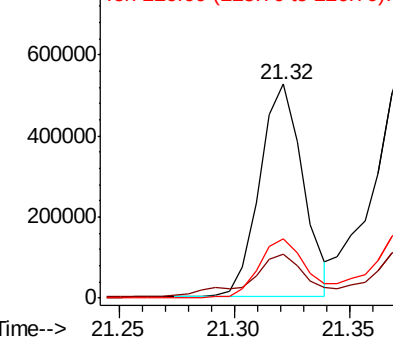
Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.8	23.8
226	27.7	21.4	32.2

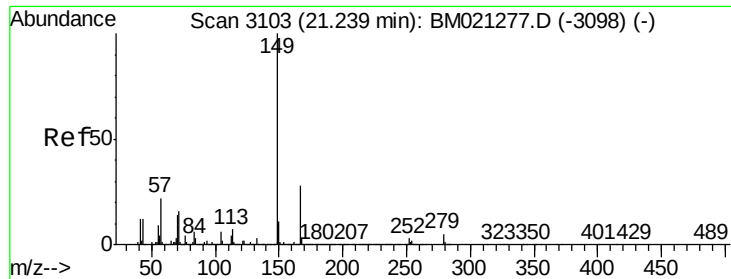
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.051 ng/ul

RT: 21.24 min Scan# 3103

Delta R.T. -0.00 min

Lab File: BM021284.D

Acq: 30 Jun 2019 04:31

Instrument :

BNA_M

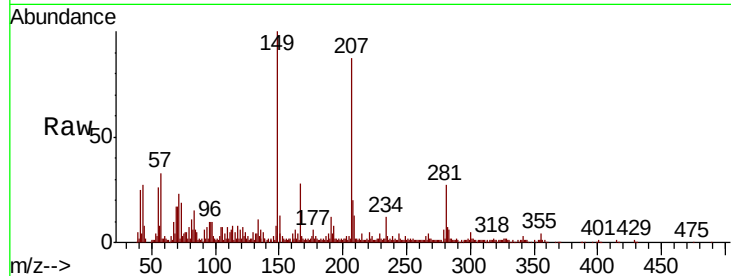
ClientSampleId :

C5BA6

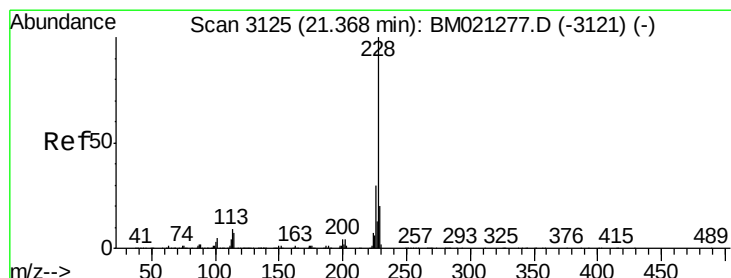
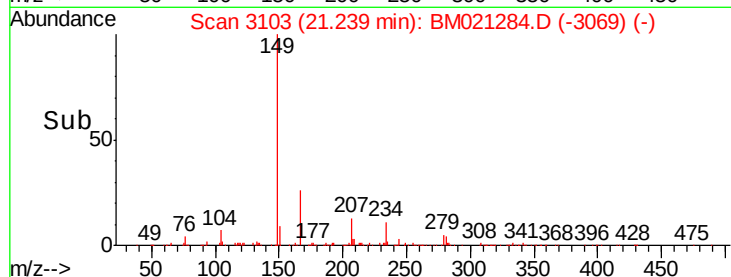
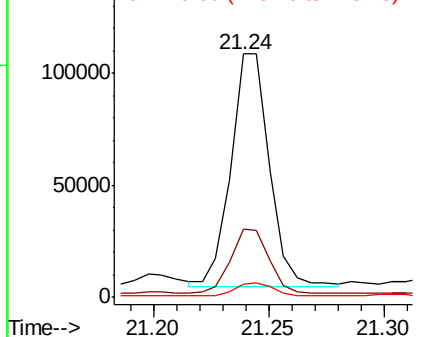
Tot Ion:	149	Resp:	120149
Ion Ratio	Lower	Upper	
149	100		
167	27.9	22.3	33.5
279	5.5	3.8	5.6

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Chrysene

Concen: 8.350 ng/ul

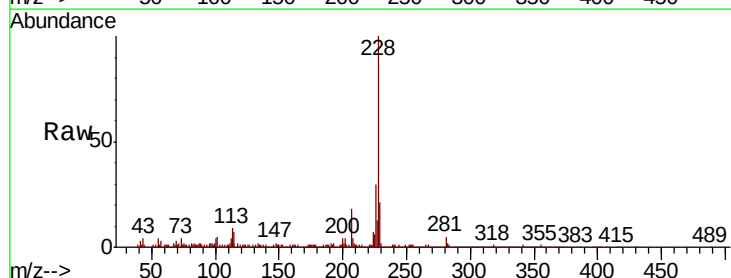
RT: 21.37 min Scan# 3126

Delta R.T. 0.01 min

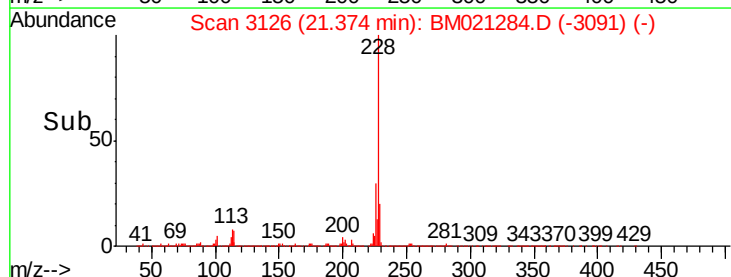
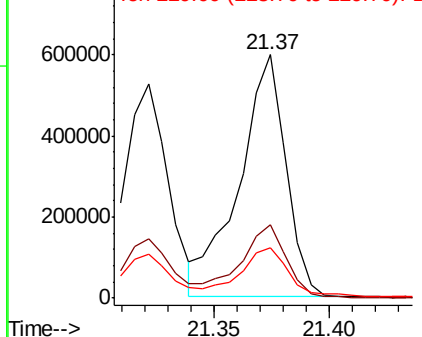
Lab File: BM021284.D

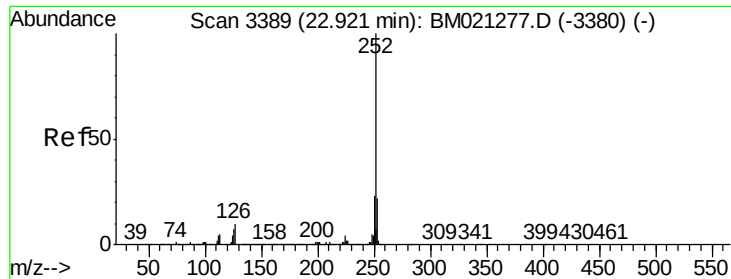
Acq: 30 Jun 2019 04:31

Tgt Ion:	228	Resp:	838332
Ion Ratio	Lower	Upper	
228	100		
226	30.1	23.9	35.9
229	20.7	15.4	23.2



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#87

Benzo(b)fluoranthene

Concen: 11.422 ng/ul

RT: 22.93 min Scan# 3390

Delta R.T. 0.01 min

Lab File: BM021284.D

Acq: 30 Jun 2019 04:31

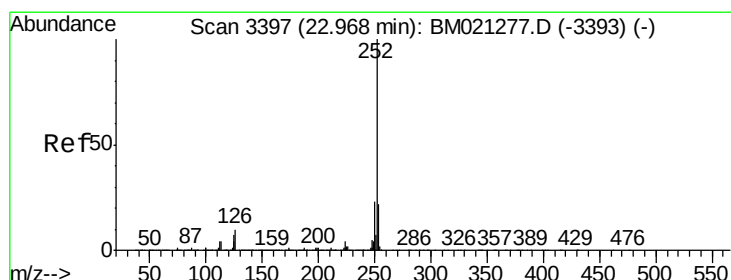
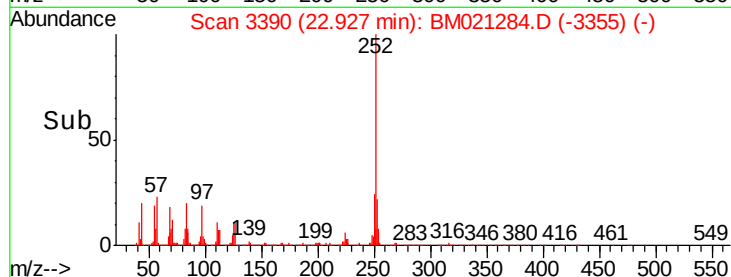
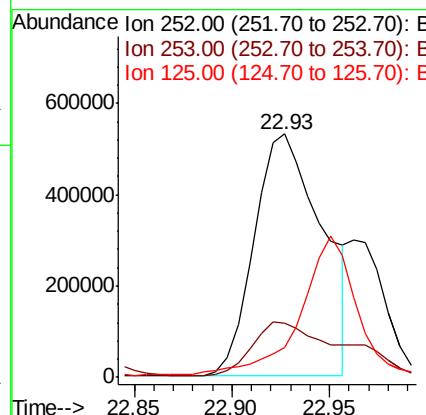
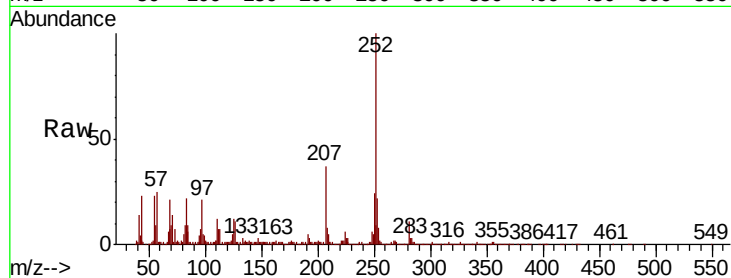
Instrument :
BNA_M

ClientSampleId :
C5BA6

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	12.2	6.3	9.5#

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#88

Benzo(k)fluoranthene

Concen: 3.580 ng/ul m

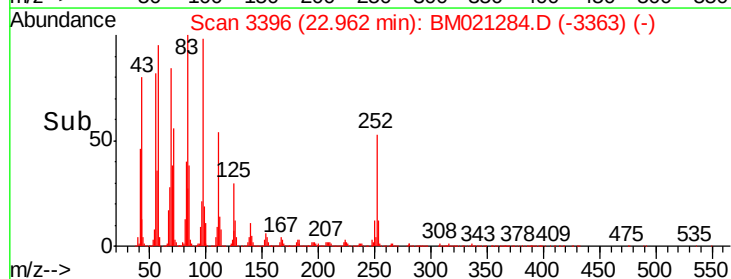
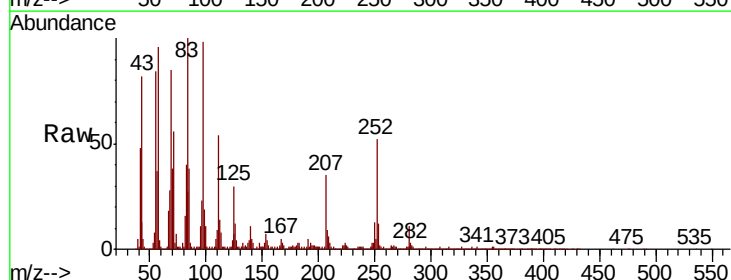
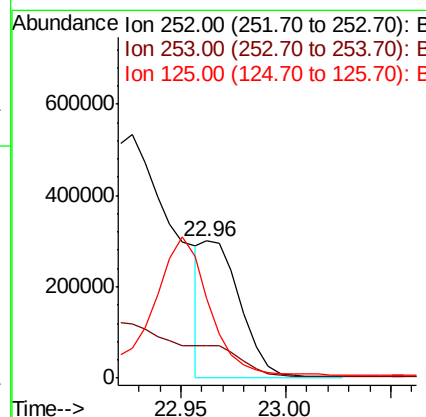
RT: 22.96 min Scan# 3396

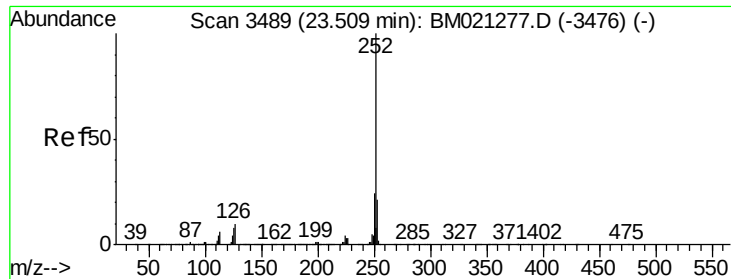
Delta R.T. -0.01 min

Lab File: BM021284.D

Acq: 30 Jun 2019 04:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	57.7	6.6	9.8#





#90

Benzo(a)pyrene

Concen: 7.004 ng/ul

RT: 23.51 min Scan# 3489

Delta R.T. -0.00 min

Lab File: BM021284.D

Acq: 30 Jun 2019 04:31

Instrument :

BNA_M

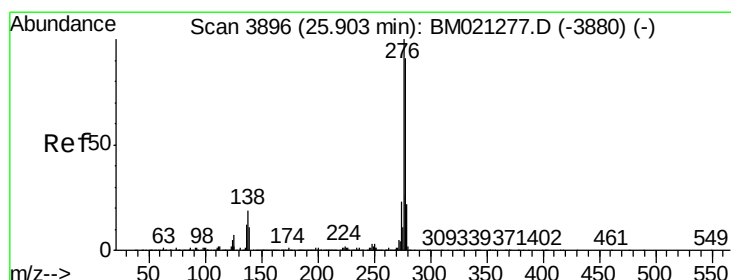
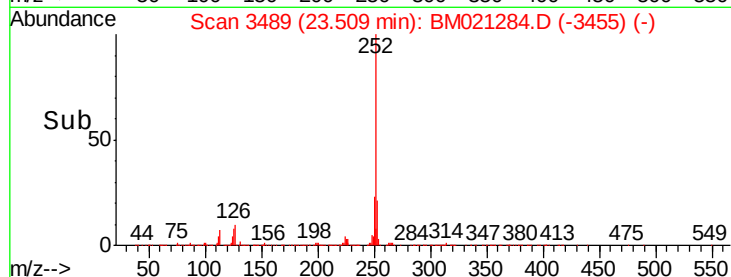
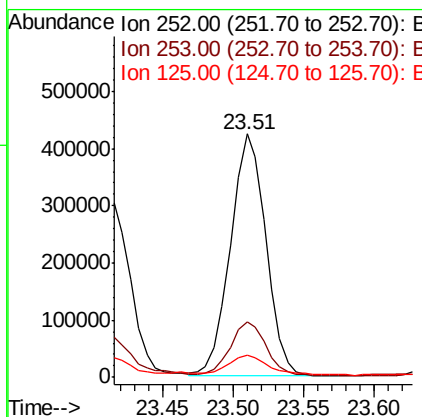
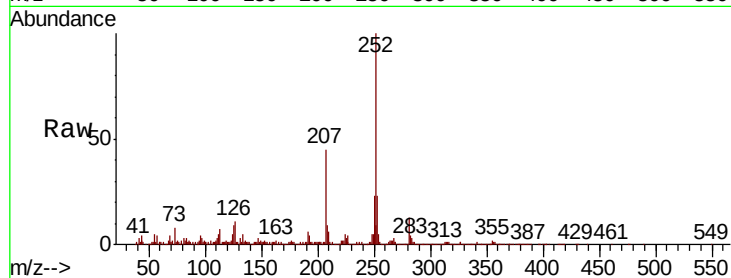
ClientSampled :

C5BA6

Tot Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	22.9	17.8	26.8		
125	9.2	7.2	10.8		

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#91

Indeno(1,2,3-cd)pyrene

Concen: 4.876 ng/ul

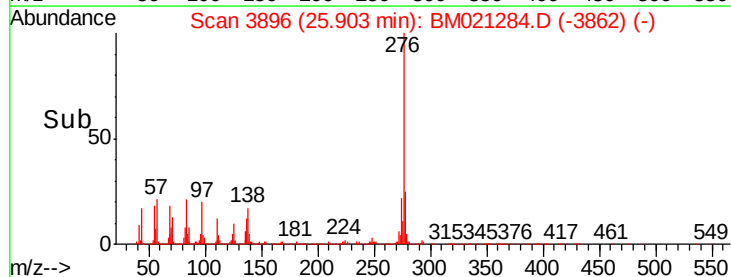
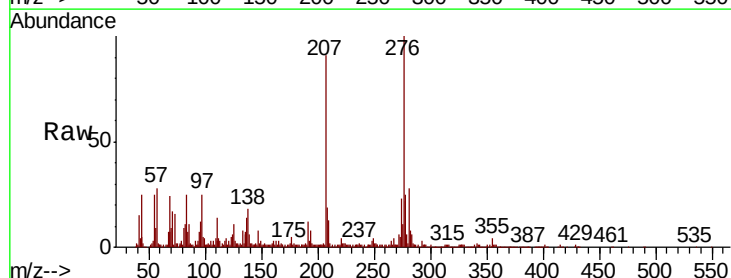
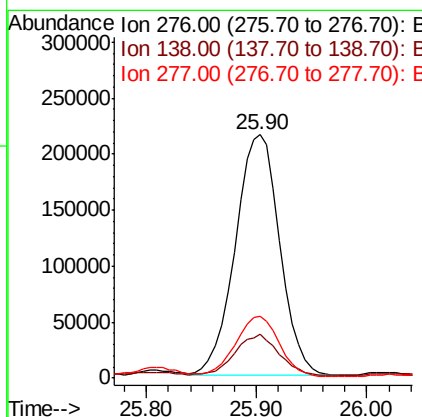
RT: 25.90 min Scan# 3896

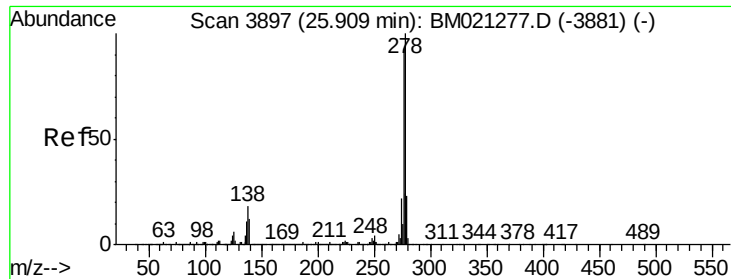
Delta R.T. -0.00 min

Lab File: BM021284.D

Acq: 30 Jun 2019 04:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	17.9	15.9	23.9		
277	25.5	20.4	30.6		





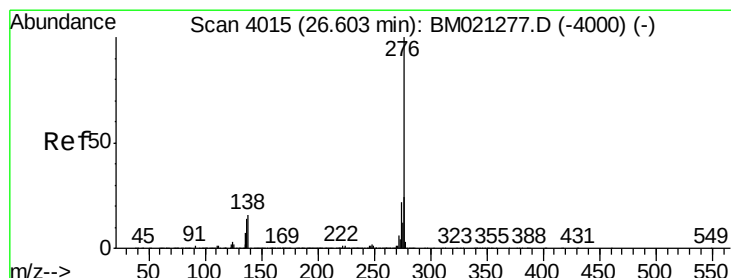
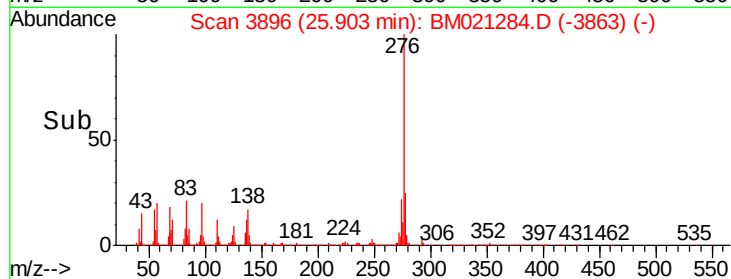
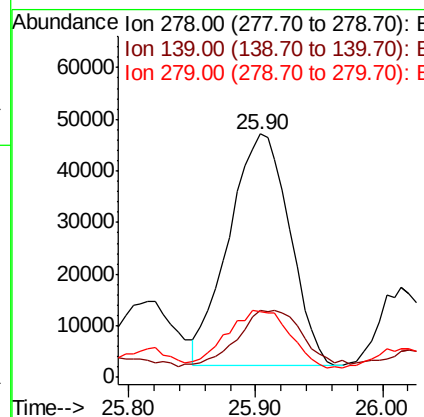
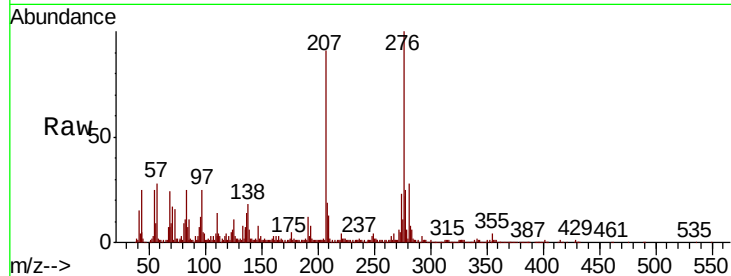
#92
Dibenzo(a,h)anthracene
Concen: 1.425 ng/ul
RT: 25.90 min Scan# 3896
Delta R.T. -0.01 min
Lab File: BM021284.D
Acq: 30 Jun 2019 04:31

Instrument :
BNA_M
ClientSampleId :
C5BA6

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.5	10.6	15.8#
279	26.8	19.0	28.4

Manual Integrations
APPROVED

mohammad
7/1/2019 2:43:53 PM



#93
Benzo(g,h,i)perylene
Concen: 5.587 ng/ul
RT: 26.61 min Scan# 4017
Delta R.T. 0.01 min
Lab File: BM021284.D
Acq: 30 Jun 2019 04:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.6	14.6	21.8
277	23.5	18.9	28.3

