

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
 Data File : BM021295.D
 Acq On : 30 Jun 2019 12:56
 Operator : HP/JU
 Sample : K3590-14
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C5BB3

Manual Integrations
 APPROVED

mohammad
 7/1/2019 2:44:24 PM

Quant Time: Jul 01 01:49:43 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	401570	20.00	ng/ul	0.00
18) Naphthalene-d8	10.55	136	1673448	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.40	164	965073	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.15	188	1831271	20.00	ng/ul	0.00
77) Chrysene-d12	21.34	240	1517142	20.00	ng/ul	0.01
85) Perylene-d12	23.62	264	1819417	20.00	ng/ul	0.02

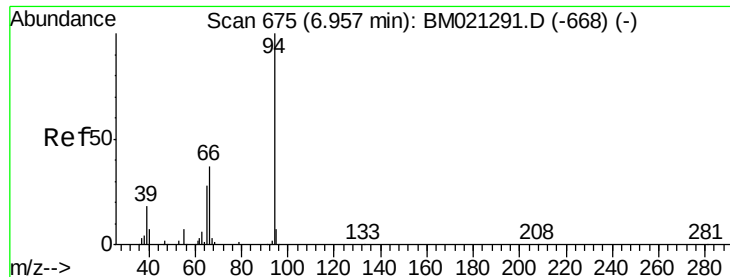
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.28	96	28553	3.38	ng/uL	0.00
5) Phenol-d5	6.93	99	752791	21.54	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	421437	20.24	ng/ul	0.00
9) 2-Chlorophenol-d4	7.29	132	628939	22.14	ng/ul	0.00
13) 4-Methylphenol-d8	8.46	113	636338	21.81	ng/ul	0.00
19) Nitrobenzene-d5	8.92	128	327801	24.12	ng/ul	0.00
22) 2-Nitrophenol-d4	9.63	143	390076	25.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.17	165	726833	23.70	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	45159	1.41	ng/ul	0.00
43) Dimethylphthalate-d6	13.82	166	2136822	24.50	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	2495256	23.38	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	263748	18.59	ng/ul	0.00
57) Fluorene-d10	15.40	176	1742684	22.98	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.53	200	138408	12.29	ng/ul	0.00
70) Anthracene-d10	17.25	188	2191589	23.03	ng/ul	0.00
78) Pyrene-d10	19.55	212	2039258	22.40	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.48	264	2413870	22.49	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	6.96	94	42223	1.277	ng/ul#	89
44) Dimethylphthalate	13.86	163	441862	5.566	ng/ul	99
68) Pentachlorophenol	16.80	266	20355	1.577	ng/ul	97
69) Phenanthrene	17.19	178	605969	5.983	ng/ul	98
76) Fluoranthene	19.21	202	1747760	15.971	ng/ul	99
79) Pyrene	19.58	202	1350131	12.588	ng/ul	99
82) Benzo(a)anthracene	21.33	228	723959	6.999	ng/ul	98
83) Bis(2-ethylhexyl)phthalate	21.24	149	92600	1.638	ng/ul	98
84) Chrysene	21.38	228	950937	9.817	ng/ul	98
87) Benzo(b)fluoranthene	22.93	252	1468065	12.738	ng/ul#	96
88) Benzo(k)fluoranthene	22.97	252	552250m	4.981	ng/ul	
90) Benzo(a)pyrene	23.52	252	827428	7.628	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.91	276	731701	5.728	ng/ul	98
92) Dibenzo(a,h)anthracene	25.92	278	183603m	1.709	ng/ul	
93) Benzo(g,h,i)perylene	26.63	276	603108	5.733	ng/ul	97

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



#6

Phenol

Concen: 1.277 ng/ul

RT: 6.96 min Scan# 675

Delta R.T. -0.01 min

Lab File: BM021295.D

Acq: 30 Jun 2019 12:56

Instrument :

BNA_M

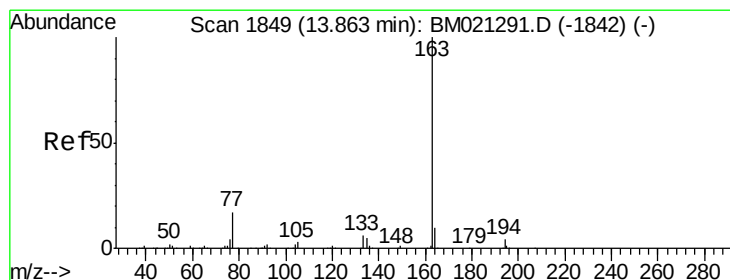
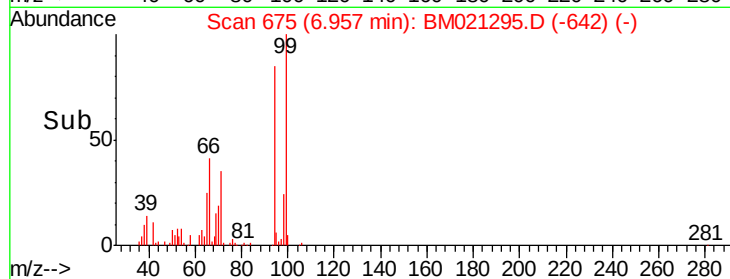
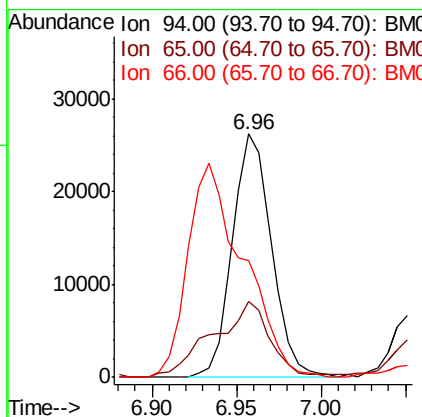
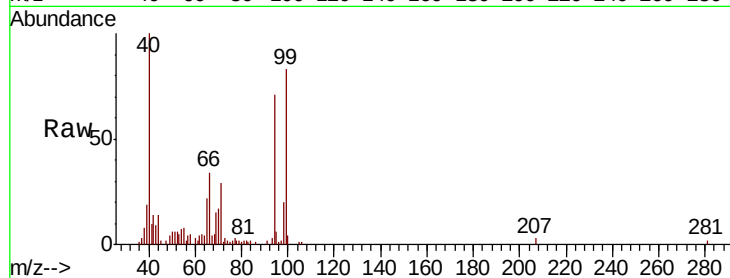
ClientSampleId :

C5BB3

Tot Ion:	94	Resp:	42223
Ion	Ratio	Lower	Upper
94	100		
65	31.2	22.6	34.0
66	47.9	31.2	46.8#

Manual Integrations
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#44

Dimethylphthalate

Concen: 5.566 ng/ul

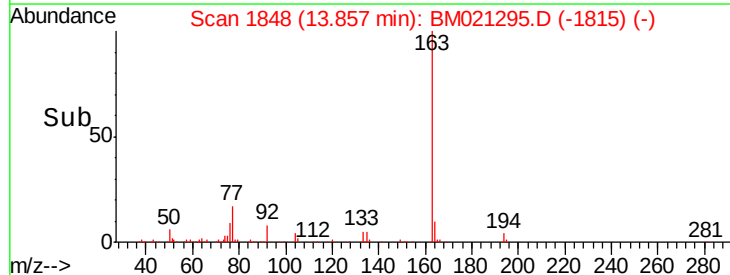
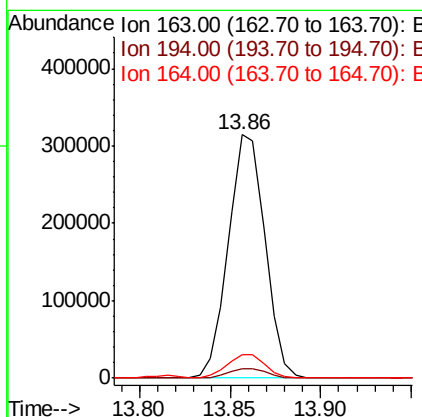
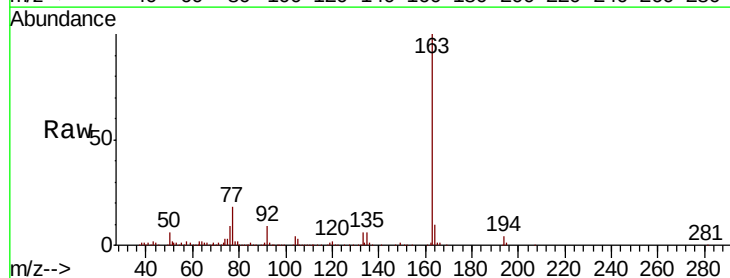
RT: 13.86 min Scan# 1848

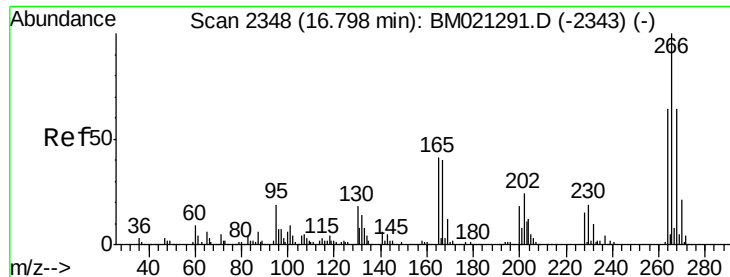
Delta R.T. -0.01 min

Lab File: BM021295.D

Acq: 30 Jun 2019 12:56

Tgt Ion:	163	Resp:	441862
Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.2
164	9.9	7.7	11.5





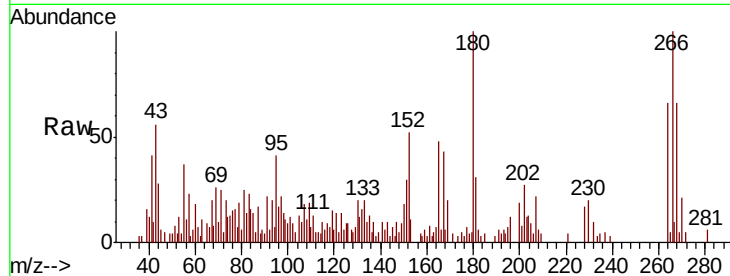
#68
 Pentachlorophenol
 Concen: 1.577 ng/ul
 RT: 16.80 min Scan# 2349
 Delta R.T. 0.01 min
 Lab File: BM021295.D
 Acq: 30 Jun 2019 12:56

Instrument :
 BNA_M
 ClientSampleId :
 C5BB3

Tot Ion	Ratio	Lower	Upper
266	100		
264	66.5	49.9	74.9
268	66.4	53.4	80.0

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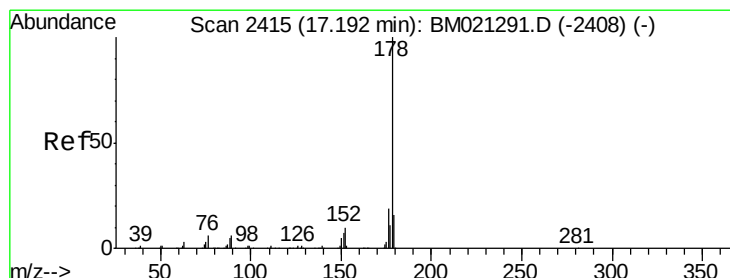
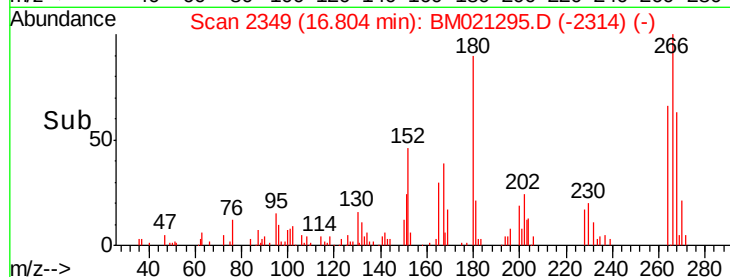
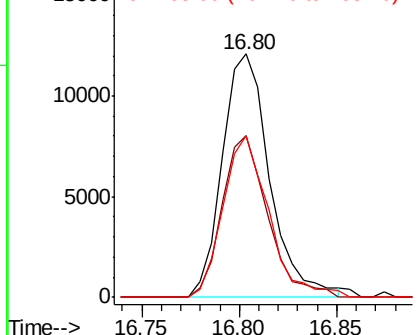


Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#69
 Phenanthrene
 Concen: 5.983 ng/ul
 RT: 17.19 min Scan# 2415
 Delta R.T. -0.00 min
 Lab File: BM021295.D
 Acq: 30 Jun 2019 12:56

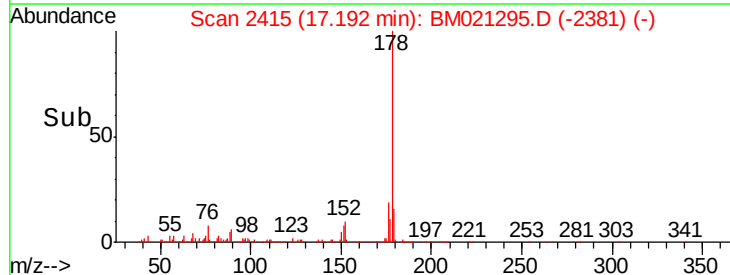
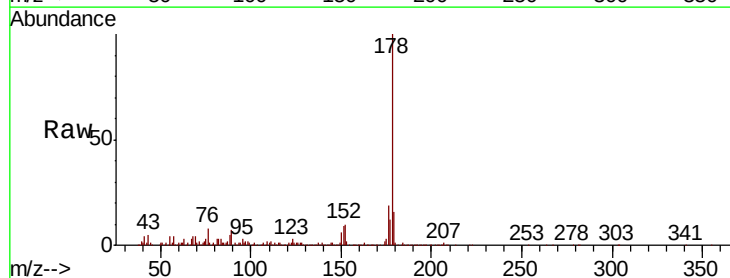
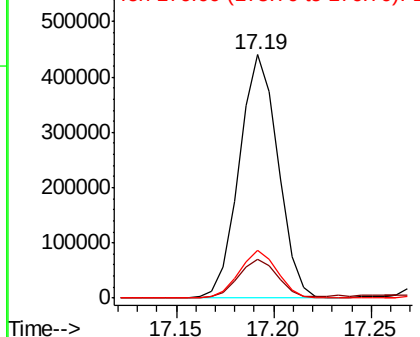
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	11.8	17.8
176	19.4	15.0	22.6

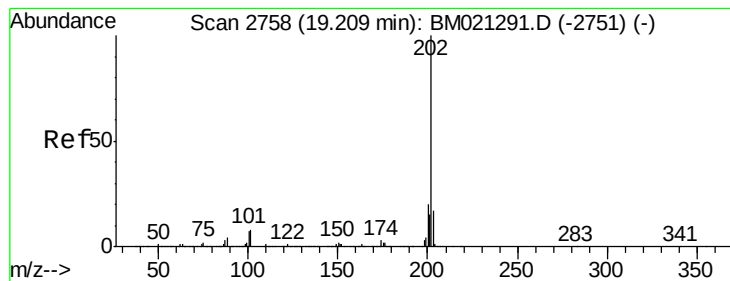
Abundance

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: 15.971 ng/ul

RT: 19.21 min Scan# 2758

Delta R.T. -0.00 min

Lab File: BM021295.D

Acq: 30 Jun 2019 12:56

Instrument :

BNA_M

ClientSampleId :

C5BB3

Tot Ion:202 Resp: 1747760

Ion Ratio Lower Upper

202 100

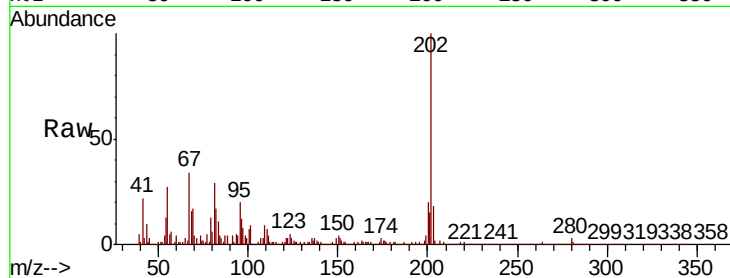
101 9.3 6.7 10.1

100 6.9 5.5 8.3

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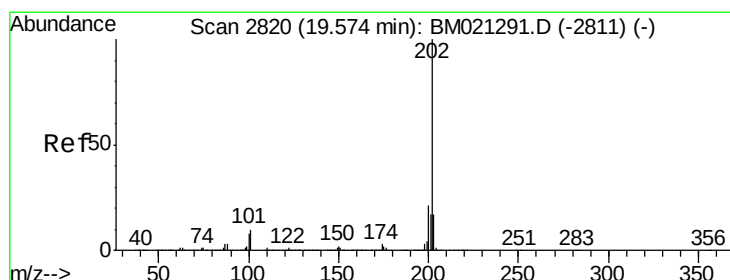
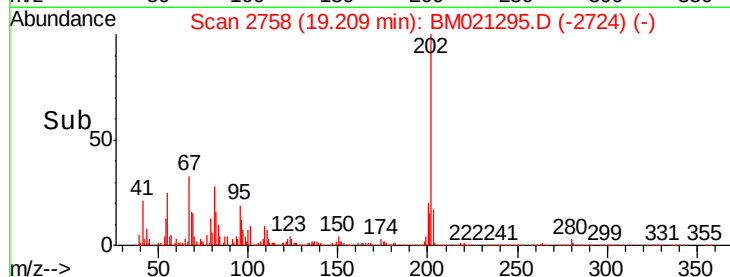
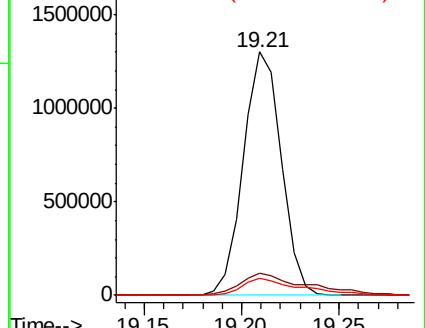
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#79

Pyrene

Concen: 12.588 ng/ul

RT: 19.58 min Scan# 2821

Delta R.T. 0.01 min

Lab File: BM021295.D

Acq: 30 Jun 2019 12:56

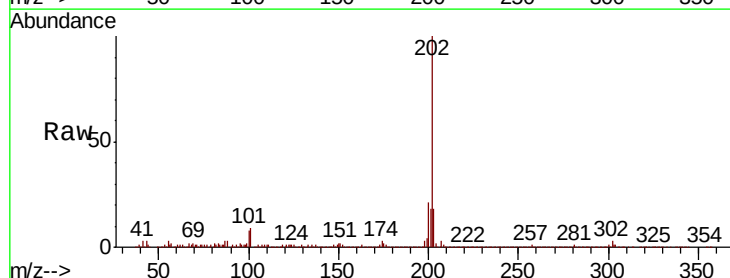
Tgt Ion:202 Resp: 1350131

Ion Ratio Lower Upper

202 100

101 9.4 8.1 12.1

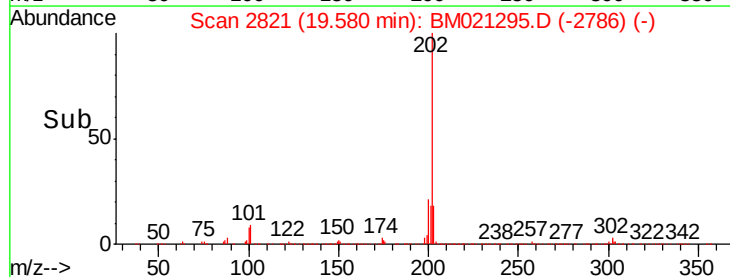
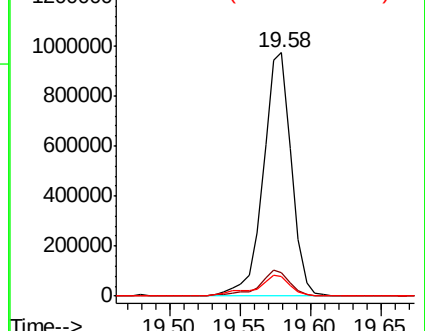
100 7.9 6.6 10.0

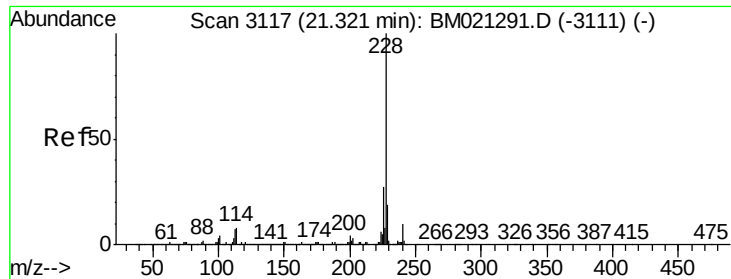


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 6.999 ng/ul

RT: 21.33 min Scan# 3118

Delta R.T. 0.01 min

Lab File: BM021295.D

Acq: 30 Jun 2019 12:56

Instrument :

BNA_M

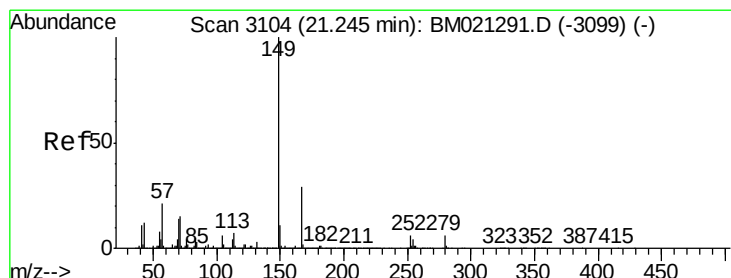
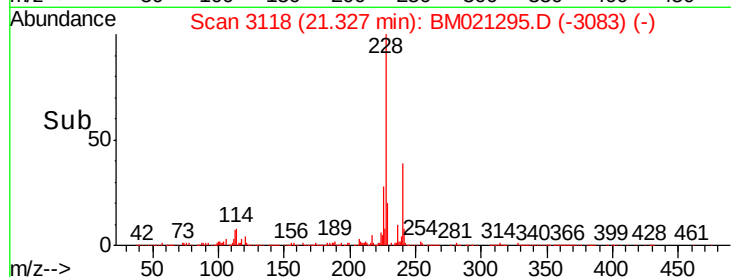
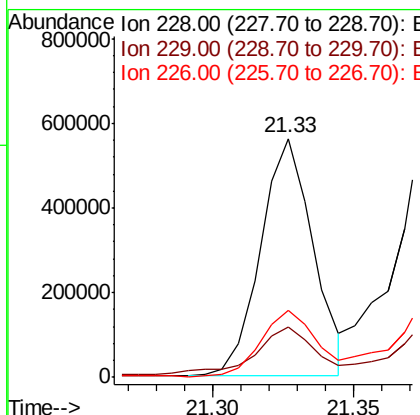
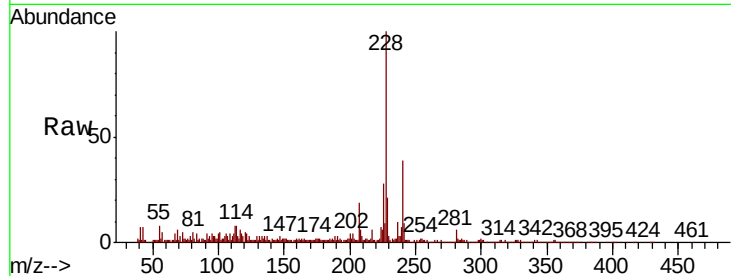
ClientSampleId :

C5BB3

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.8	23.8
226	27.8	21.4	32.2

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#83

Bis(2-ethylhexyl)phthalate

Concen: 1.638 ng/ul

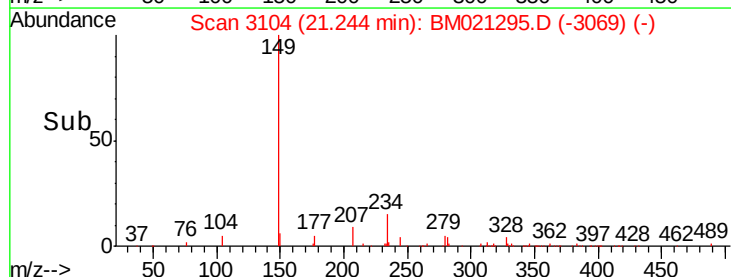
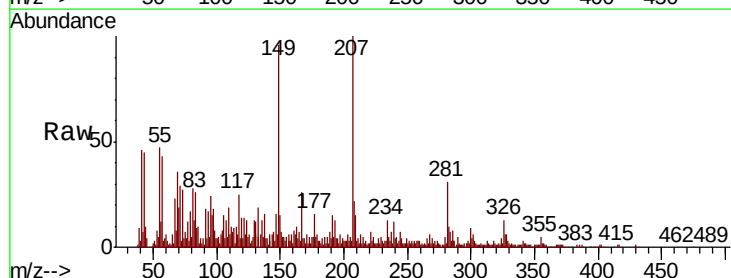
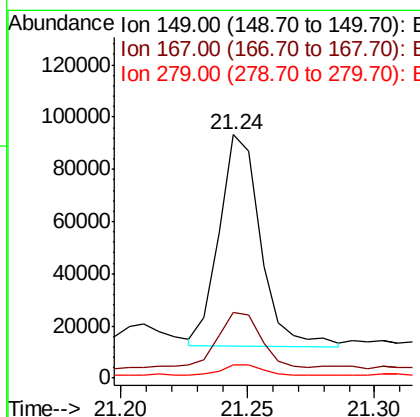
RT: 21.24 min Scan# 3104

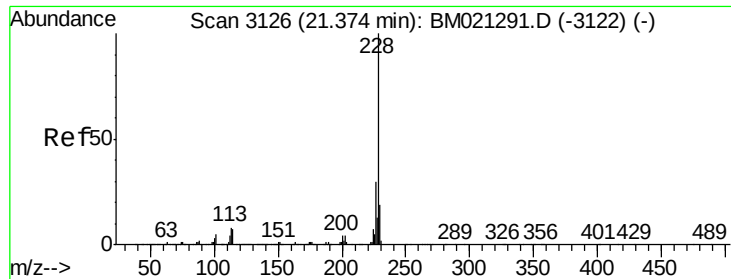
Delta R.T. 0.01 min

Lab File: BM021295.D

Acq: 30 Jun 2019 12:56

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.1	22.3	33.5
279	5.3	3.8	5.6





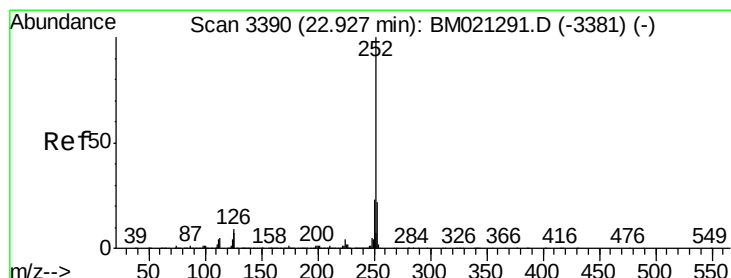
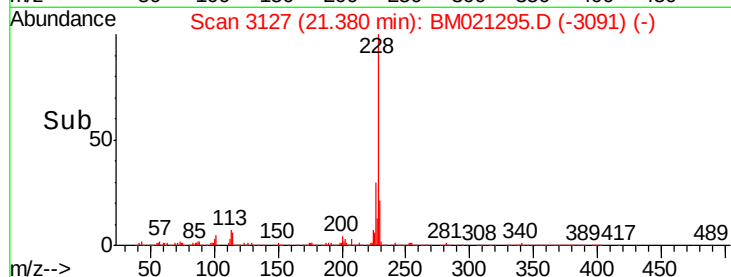
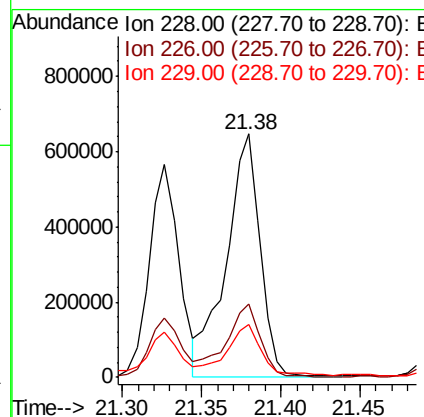
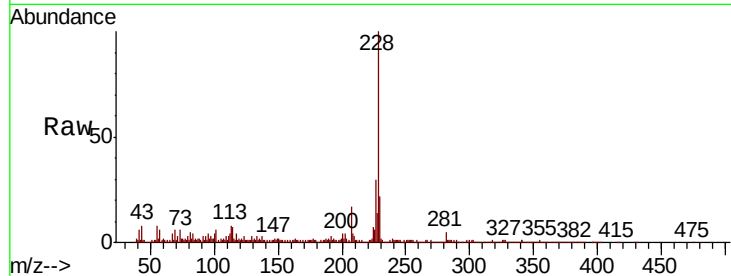
#84
Chrysene
Concen: 9.817 ng/ul
RT: 21.38 min Scan# 3127
Delta R.T. 0.01 min
Lab File: BM021295.D
Acq: 30 Jun 2019 12:56

Instrument :
BNA_M
ClientSampleId :
C5BB3

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.9	35.9
229	21.6	15.4	23.2

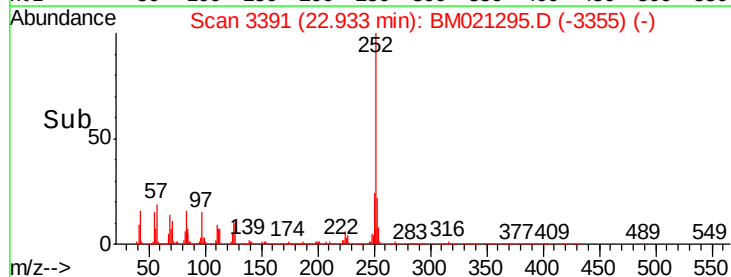
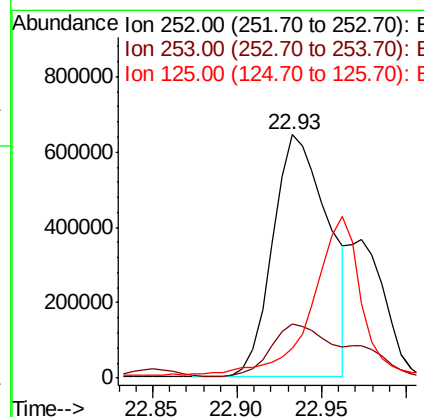
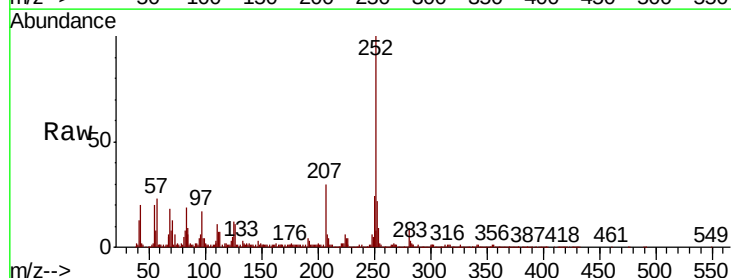
Manual Integrations
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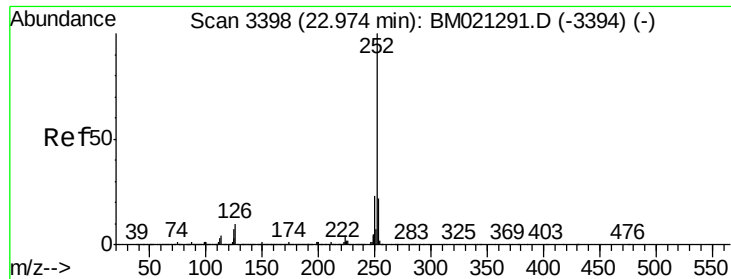
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#87
Benzo(b)fluoranthene
Concen: 12.738 ng/ul
RT: 22.93 min Scan# 3391
Delta R.T. 0.01 min
Lab File: BM021295.D
Acq: 30 Jun 2019 12:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	12.3	6.3	9.5





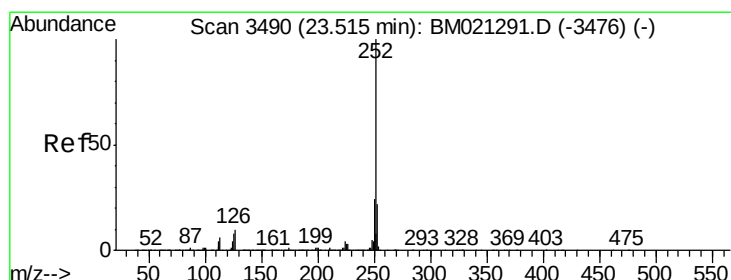
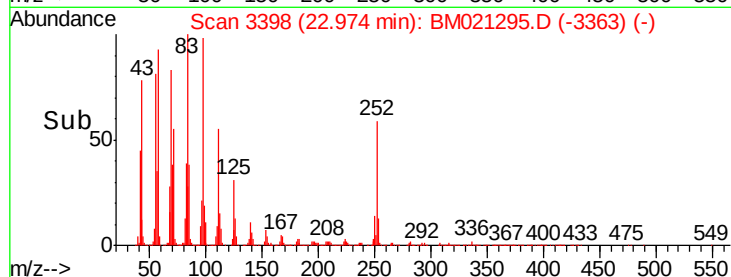
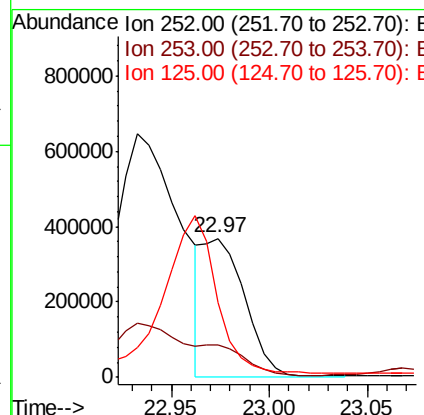
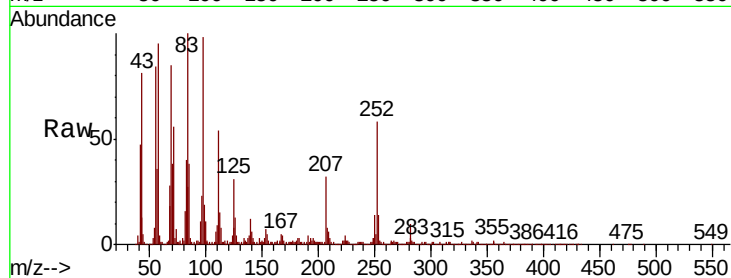
#88
Benzo(k)fluoranthene
Concen: 4.981 ng/ul m
RT: 22.97 min Scan# 3398
Delta R.T. 0.01 min
Lab File: BM021295.D
Acq: 30 Jun 2019 12:56

Instrument :
BNA_M
ClientSampleId :
C5BB3

Tot Ion	Ratio	Resp	Lower	Upper
252	100	552250		
253	23.5	17.5	26.3	
125	54.1	6.6	9.8	

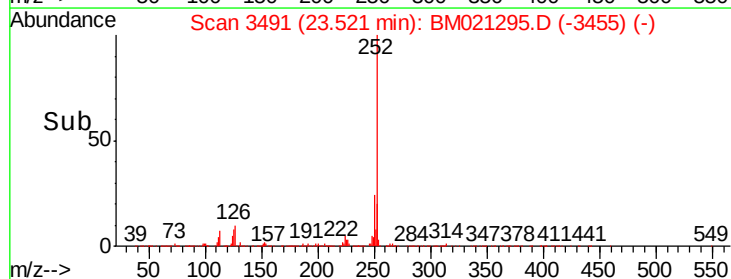
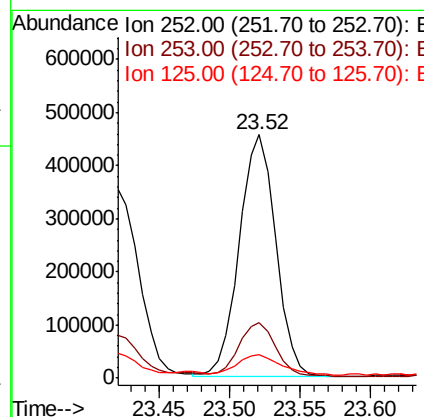
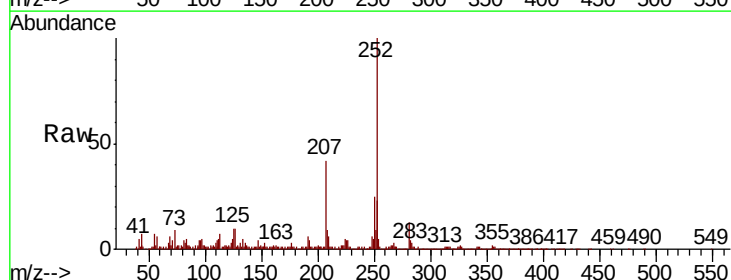
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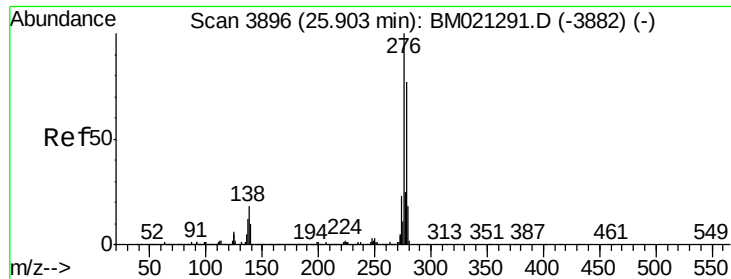
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#90
Benzo(a)pyrene
Concen: 7.628 ng/ul
RT: 23.52 min Scan# 3491
Delta R.T. 0.01 min
Lab File: BM021295.D
Acq: 30 Jun 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	827428		
253	23.0	17.8	26.8	
125	9.8	7.2	10.8	





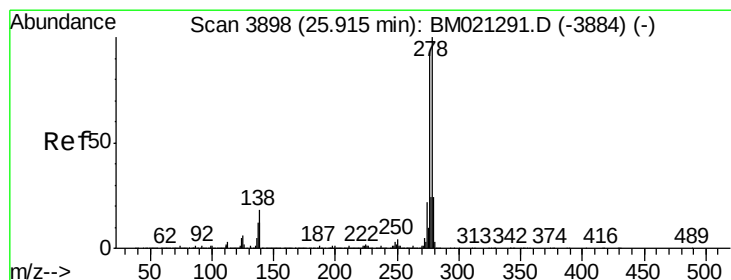
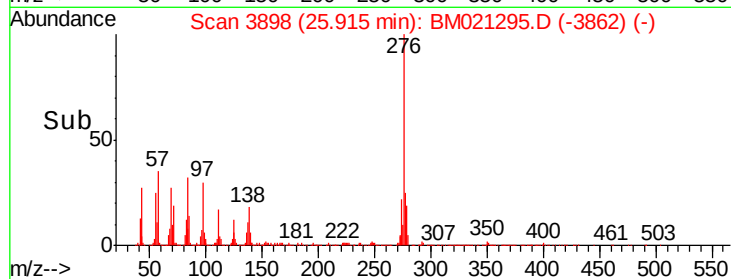
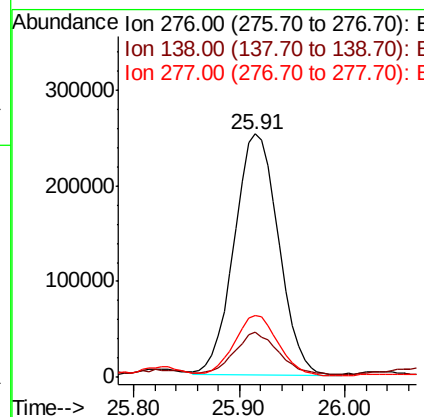
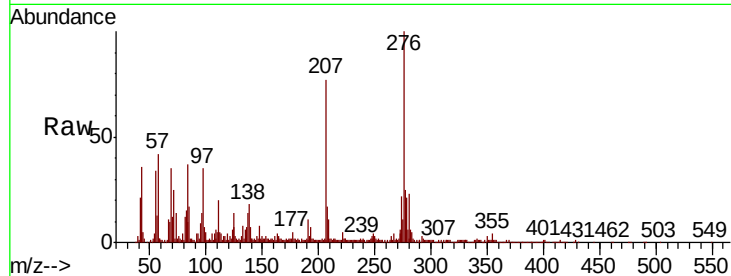
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 5.728 ng/ul
 RT: 25.91 min Scan# 3898
 Delta R.T. 0.01 min
 Lab File: BM021295.D
 Acq: 30 Jun 2019 12:56

Instrument :
 BNA_M
 ClientSampleId :
 C5BB3

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.4	15.9	23.9
277	25.3	20.4	30.6

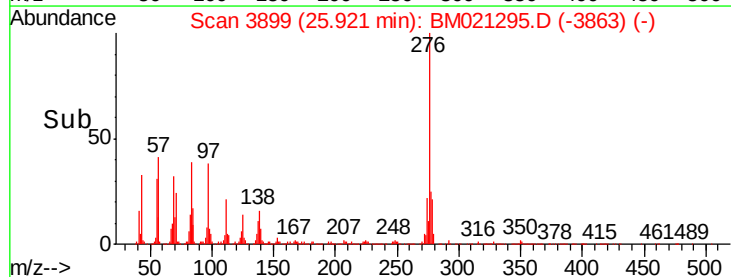
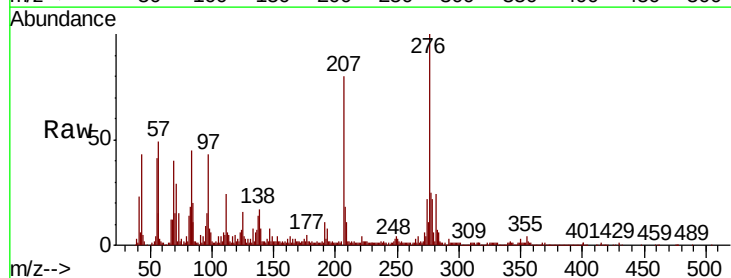
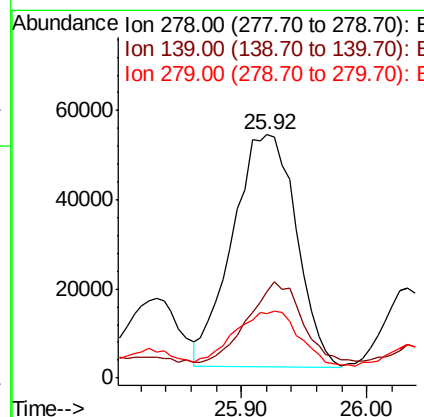
Manual Integrations
 APPROVED

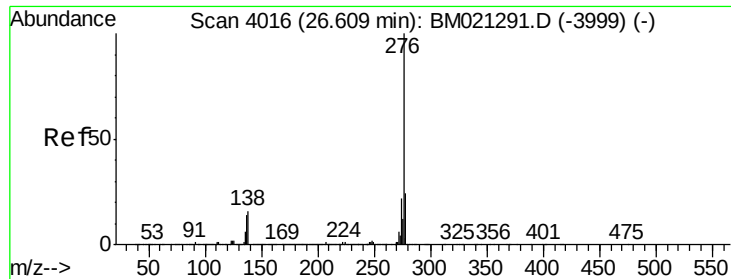
mohammad
 7/1/2019 2:44:24 PM



#92
 Dibenzo(a,h)anthracene
 Concen: 1.709 ng/ul m
 RT: 25.92 min Scan# 3899
 Delta R.T. 0.01 min
 Lab File: BM021295.D
 Acq: 30 Jun 2019 12:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	35.6	10.6	15.8#
279	26.6	19.0	28.4





#93

Benzo(a,h,i)perylene

Concen: 5.733 ng/ul

RT: 26.63 min Scan# 4019

Delta R.T. 0.02 min

Lab File: BM021295.D

Acq: 30 Jun 2019 12:56

Instrument :

BNA_M

ClientSampleId :

C5BB3

Tot Ion:	276	Resp:	603108
Ion Ratio	Lower	Upper	
276	100		
138	16.6	14.6	21.8
277	24.6	18.9	28.3

Manual Integrations
APPROVED

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