

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
 Data File : BM022316.D
 Acq On : 25 Aug 2019 06:01
 Operator : HP/JU
 Sample : K4242-02ME
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AG7ME

Manual Integrations
 APPROVED

mohammad
 8/26/2019 8:31:35 AM

Quant Time: Aug 26 12:29:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 26 01:32:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	36502	20.00	ng/ul	0.00
18) Naphthalene-d8	10.33	136	169489	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.21	164	118412	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.97	188	267278	20.00	ng/ul	0.00
77) Chrysene-d12	21.18	240	248225	20.00	ng/ul	0.00
85) Perylene-d12	23.37	264	227303	20.00	ng/ul	0.00

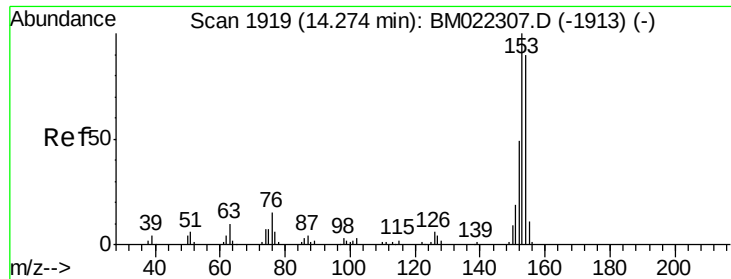
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	1956	2.40	ng/uL	0.00
5) Phenol-d5	6.76	99	42265	13.42	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.91	67	25816	14.09	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	36827	14.48	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	37371	13.69	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	17770	14.06	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	21094	14.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.97	165	41095	13.72	ng/ul	0.01
29) 4-Chloroaniline-d4	10.50	131	47012	12.91	ng/ul	0.01
43) Dimethylphthalate-d6	13.64	166	156730	15.03	ng/ul	0.00
46) Acenaphthylene-d8	13.90	160	163267	14.54	ng/ul	0.00
51) 4-Nitrophenol-d4	14.50	143	12523	8.11	ng/ul	0.04
57) Fluorene-d10	15.22	176	130838	15.13	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	18189	8.82	ng/ul	0.00
70) Anthracene-d10	17.07	188	215525	15.23	ng/ul	0.00
78) Pyrene-d10	19.38	212	276393	21.42	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.23	264	207120	16.59	ng/ul	0.00

Target Compounds

					Ovalue	
49) Acenaphthene	14.27	153	11502	1.391	ng/ul	97
58) Fluorene	15.27	166	11300	1.089	ng/ul	95
69) Phenanthrene	17.02	178	238338	14.906	ng/ul	99
71) Anthracene	17.10	178	59248m	3.561	ng/ul	
74) Carbazole	17.40	167	24136	1.606	ng/ul	98
76) Fluoranthene	19.04	202	438599	18.202	ng/ul	99
79) Pyrene	19.41	202	376937	23.461	ng/ul	99
82) Benzo(a)anthracene	21.16	228	176864	9.467	ng/ul	98
84) Chrysene	21.22	228	151627	8.680	ng/ul	97
87) Benzo(b)fluoranthene	22.71	252	160691	10.163	ng/ul	96
88) Benzo(k)fluoranthene	22.76	252	55567	3.624	ng/ul	99
90) Benzo(a)pyrene	23.27	252	120784	8.014	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.56	276	69740	3.985	ng/ul	97
92) Dibenzo(a,h)anthracene	25.56	278	17569	1.182	ng/ul#	83
93) Benzo(g,h,i)perylene	26.23	276	51762	3.877	ng/ul	94

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



#49

Acenaphthene

Concen: 1.391 ng/ul

RT: 14.27 min Scan# 1919

Delta R.T. -0.00 min

Lab File: BM022316.D

Acq: 25 Aug 2019 06:01

Instrument :

BNA_M

ClientSampleId :

C0AG7ME

Tot Ion:153 Resp: 11502

Ion Ratio Lower Upper

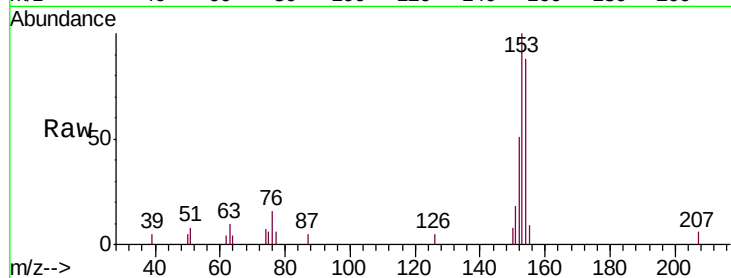
153 100

152 51.3 38.6 58.0

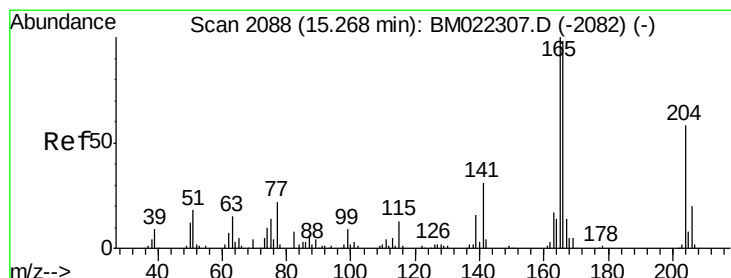
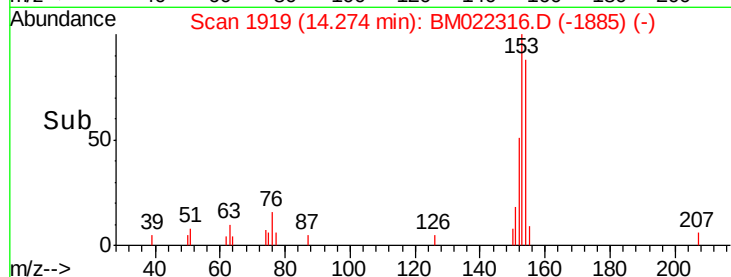
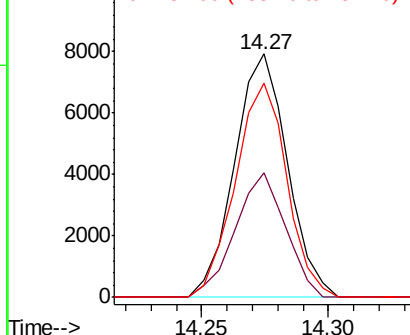
154 87.9 68.9 103.3

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#58

Fluorene

Concen: 1.089 ng/ul

RT: 15.27 min Scan# 2088

Delta R.T. -0.00 min

Lab File: BM022316.D

Acq: 25 Aug 2019 06:01

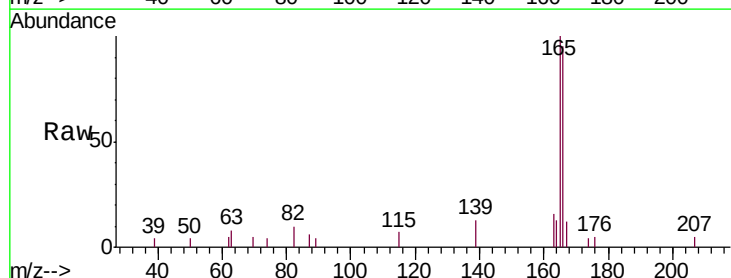
Tgt Ion:166 Resp: 11300

Ion Ratio Lower Upper

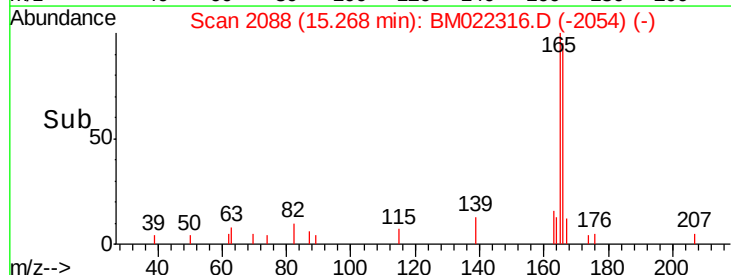
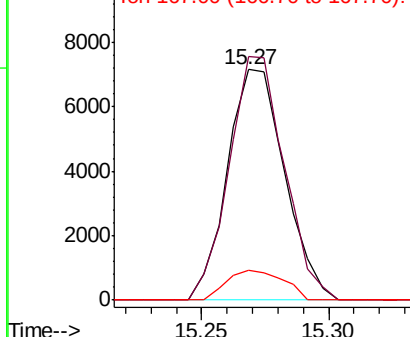
166 100

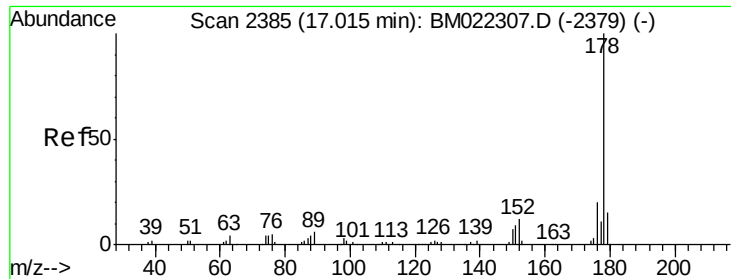
165 105.6 80.2 120.2

167 12.9 11.4 17.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 14.906 ng/ul

RT: 17.02 min Scan# 2385

Delta R.T. -0.00 min

Lab File: BM022316.D

Acq: 25 Aug 2019 06:01

Instrument :

BNA_M

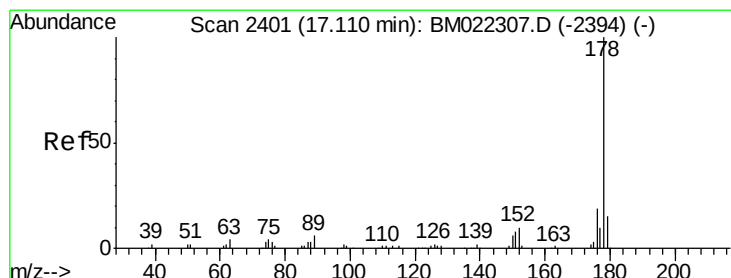
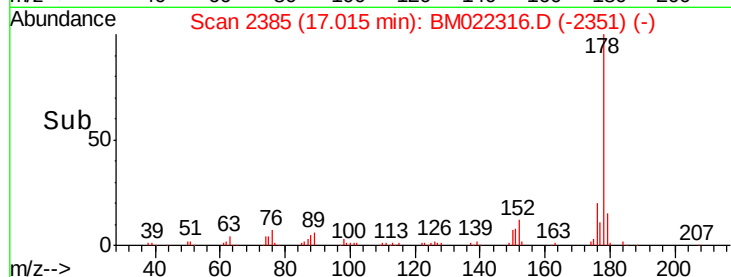
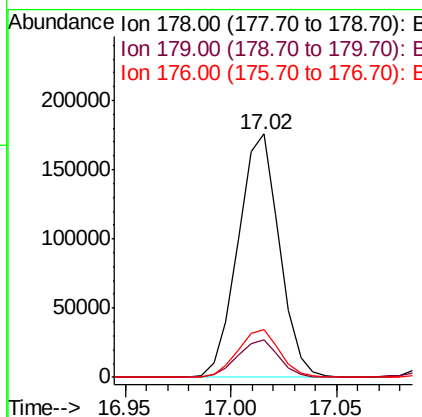
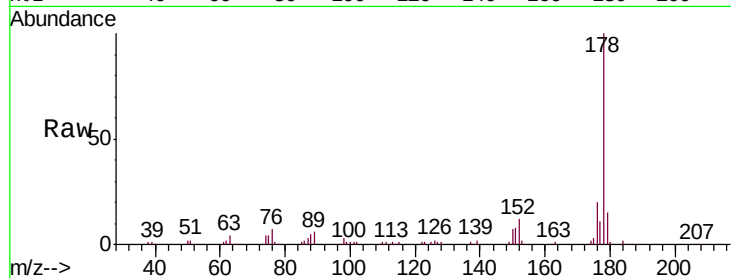
ClientSampleId :

C0AG7ME

Tot Ion:178	Resp:	238338
Ion Ratio	Lower	Upper
178	100	
179	15.4	12.4 18.6
176	19.7	15.4 23.0

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#71

Anthracene

Concen: 3.561 ng/ul m

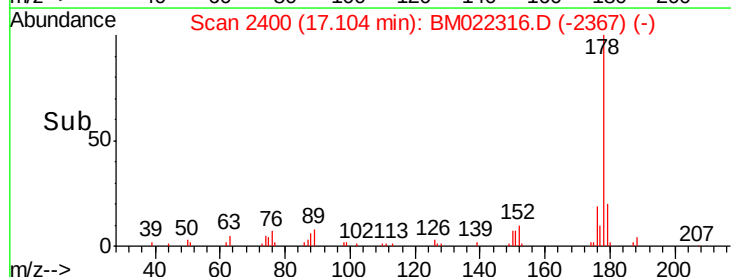
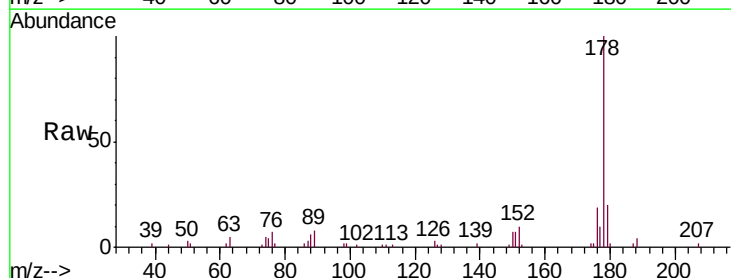
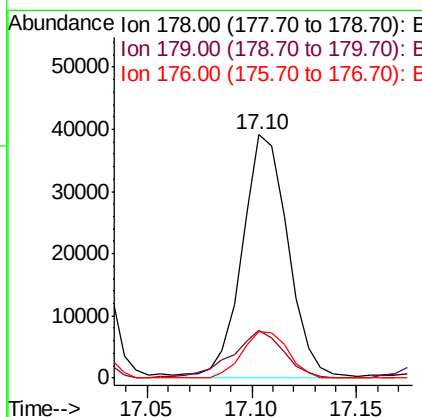
RT: 17.10 min Scan# 2400

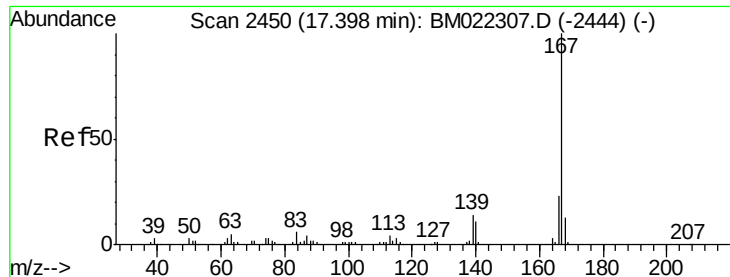
Delta R.T. -0.01 min

Lab File: BM022316.D

Acq: 25 Aug 2019 06:01

Tgt Ion:178	Resp:	59248
Ion Ratio	Lower	Upper
178	100	
179	19.6	12.3 18.5#
176	19.1	15.5 23.3





#74

Carbazole

Concen: 1.606 ng/ul

RT: 17.40 min Scan# 2450

Delta R.T. -0.00 min

Lab File: BM022316.D

Acq: 25 Aug 2019 06:01

Instrument :

BNA_M

ClientSampleId :

C0AG7ME

Tot Ion:167 Resp: 24136

Ion Ratio Lower Upper

167 100

166 20.9 17.8 26.8

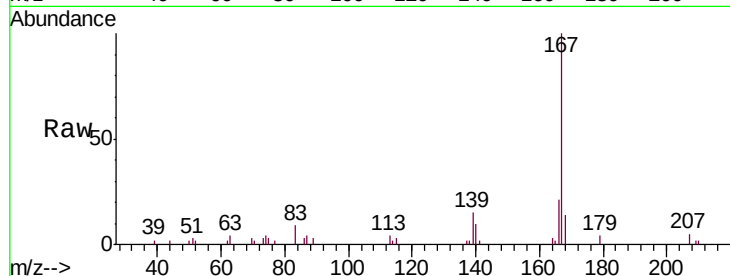
139 15.1 11.8 17.8

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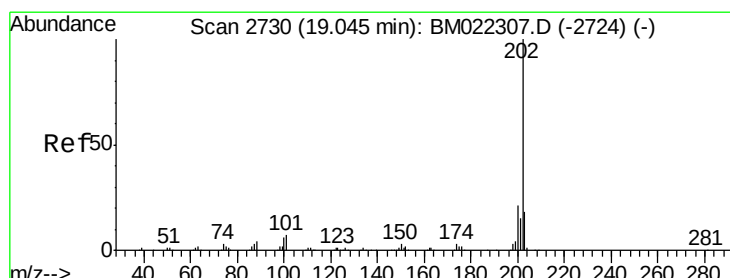
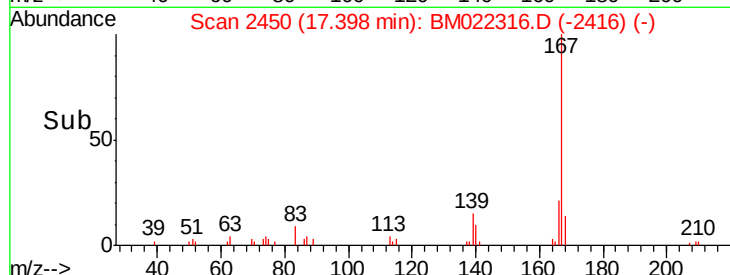
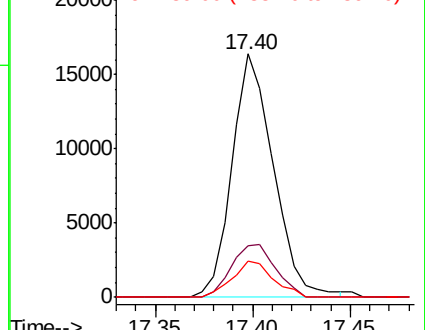
8/26/2019 8:31:35 AM



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76

Fluoranthene

Concen: 18.202 ng/ul

RT: 19.04 min Scan# 2729

Delta R.T. -0.01 min

Lab File: BM022316.D

Acq: 25 Aug 2019 06:01

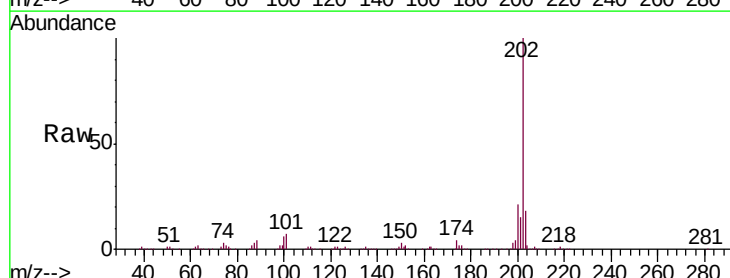
Tgt Ion:202 Resp: 438599

Ion Ratio Lower Upper

202 100

101 7.0 5.3 7.9

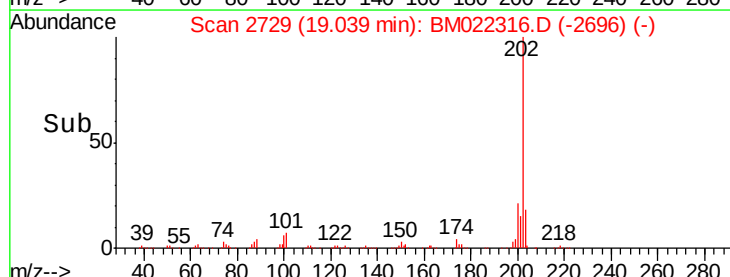
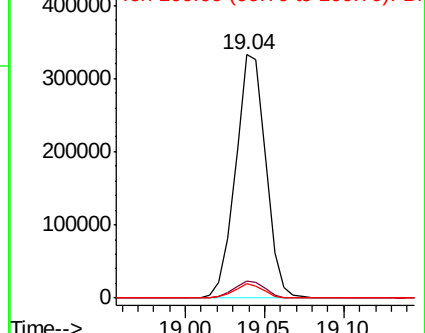
100 5.7 4.6 6.8

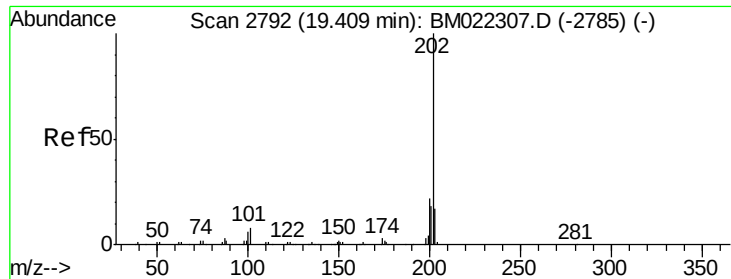


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





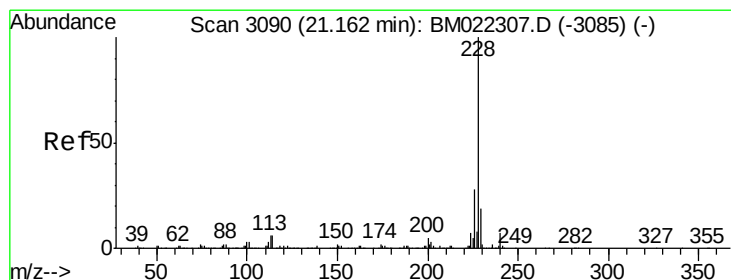
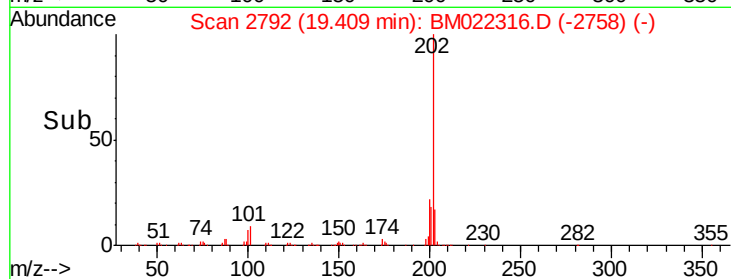
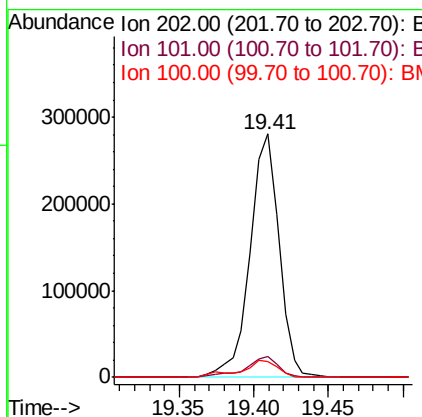
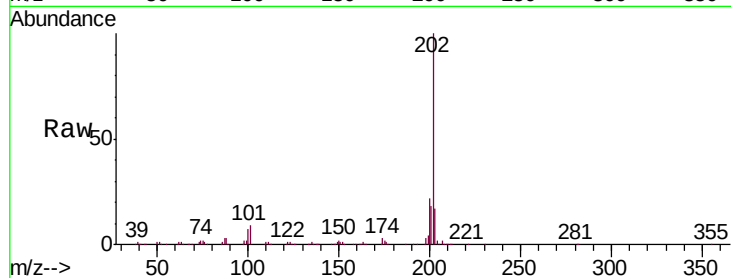
#79
 Pvrene
 Concen: 23.461 ng/ul
 RT: 19.41 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: BM022316.D
 Acq: 25 Aug 2019 06:01

Instrument :
 BNA_M
 ClientSampleId :
 C0AG7ME

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.8	7.0	10.4
100	6.7	5.8	8.8

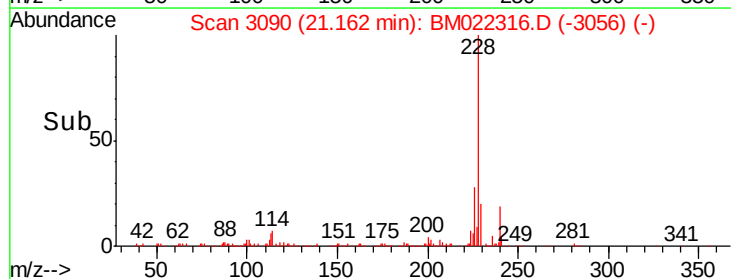
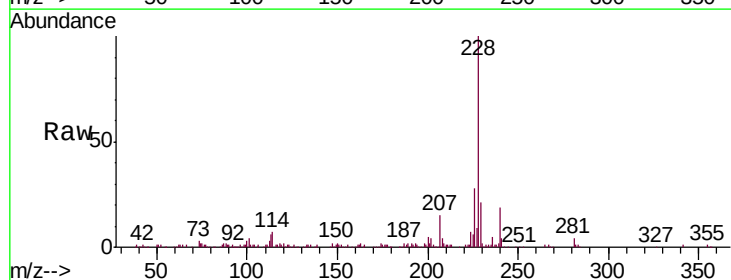
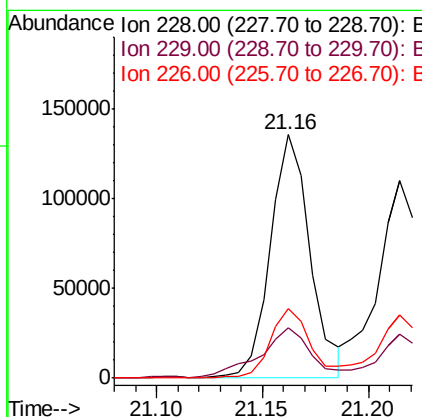
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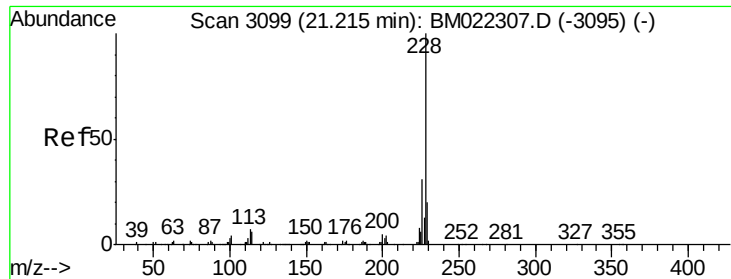
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#82
 Benzo(a)anthracene
 Concen: 9.467 ng/ul
 RT: 21.16 min Scan# 3090
 Delta R.T. -0.00 min
 Lab File: BM022316.D
 Acq: 25 Aug 2019 06:01

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	20.6	15.2	22.8
226	28.5	22.3	33.5





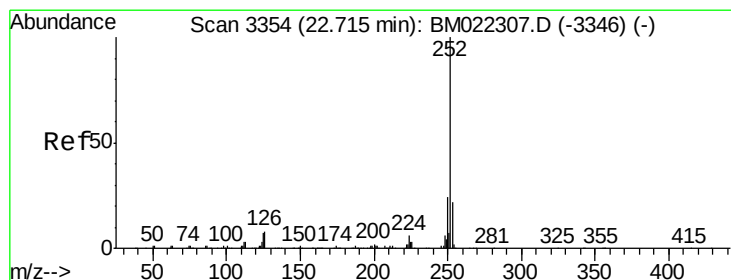
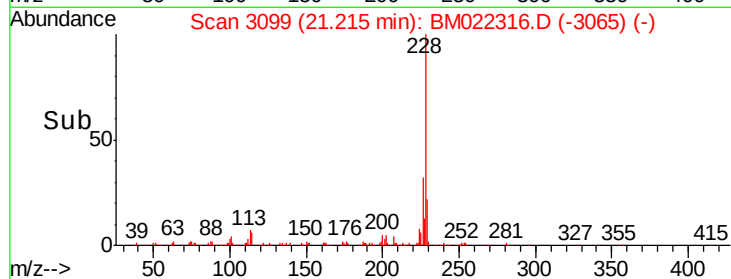
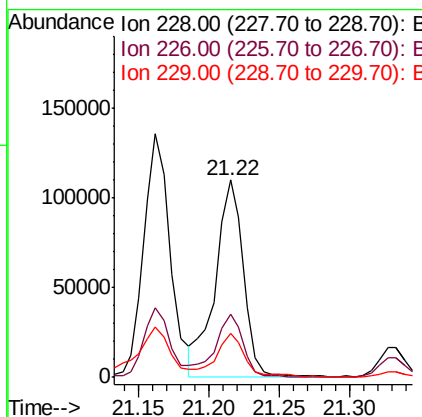
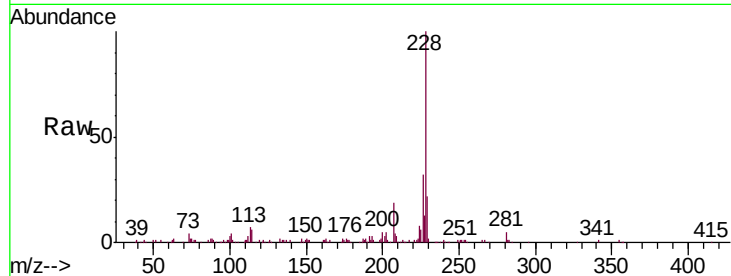
#84
 Chrysene
 Concen: 8.680 ng/ul
 RT: 21.22 min Scan# 3099
 Delta R.T. -0.00 min
 Lab File: BM022316.D
 Acq: 25 Aug 2019 06:01

Instrument :
 BNA_M
 ClientSampleId :
 C0AG7ME

Tot Ion:	228	Resp:	151627
Ion Ratio	Lower	Upper	
228	100		
226	32.0	24.7	37.1
229	22.0	15.7	23.5

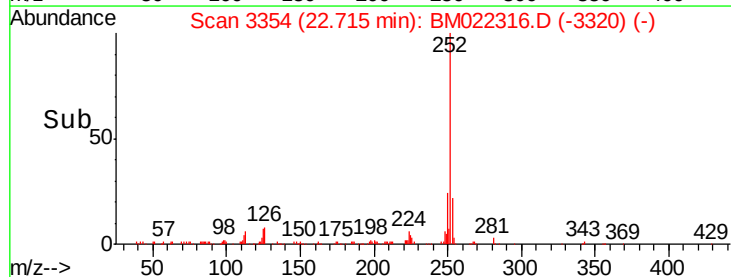
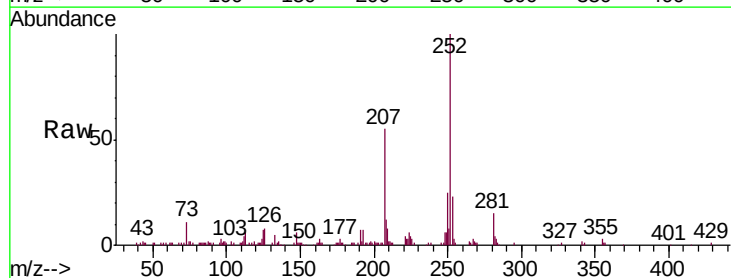
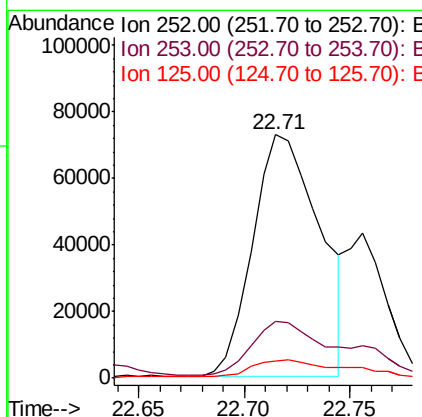
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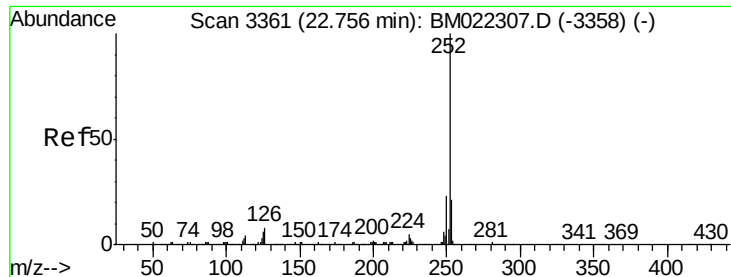
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#87
 Benzo(b)fluoranthene
 Concen: 10.163 ng/ul
 RT: 22.71 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: BM022316.D
 Acq: 25 Aug 2019 06:01

Tgt Ion:	252	Resp:	160691
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.0	25.6
125	7.2	5.2	7.8





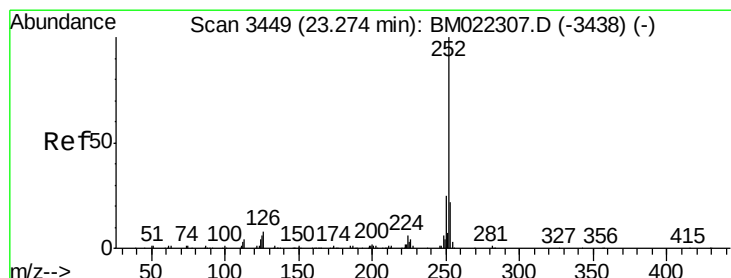
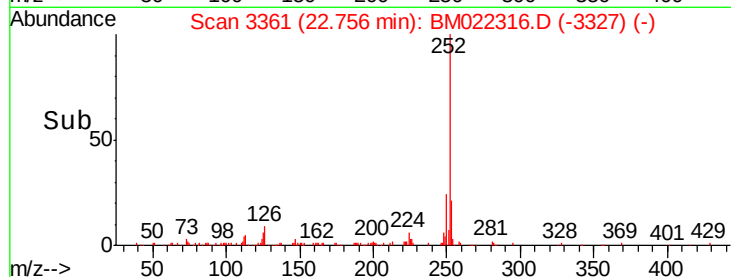
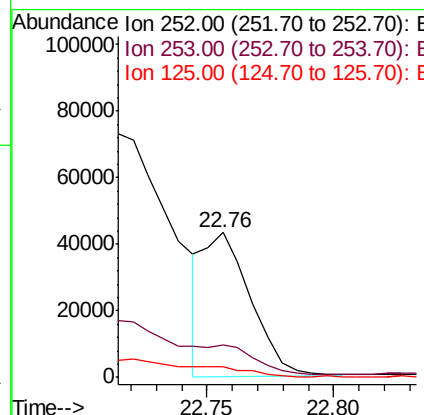
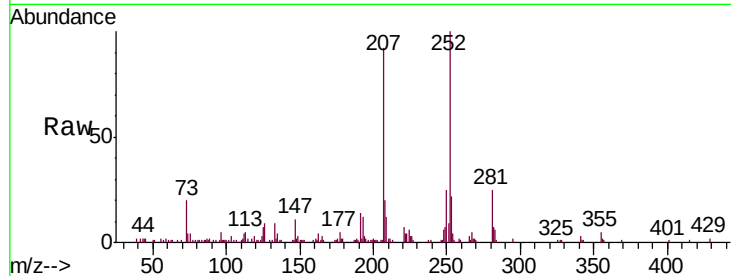
#88
Benzo(k)fluoranthene
Concen: 3.624 ng/ul
RT: 22.76 min Scan# 3361
Delta R.T. -0.00 min
Lab File: BM022316.D
Acq: 25 Aug 2019 06:01

Instrument :
BNA_M
ClientSampleId :
C0AG7ME

Tot Ion	Ratio	Resp	Lower	Upper
252	100	55567		
253	22.4	18.1	27.1	
125	7.0	5.1	7.7	

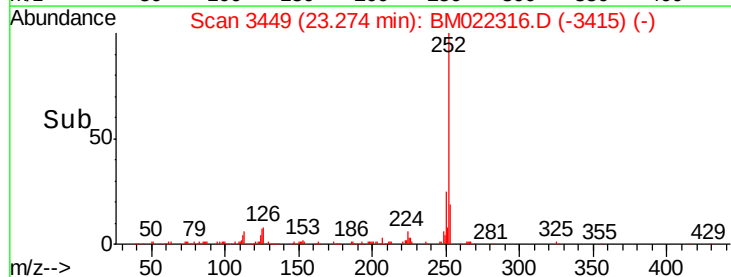
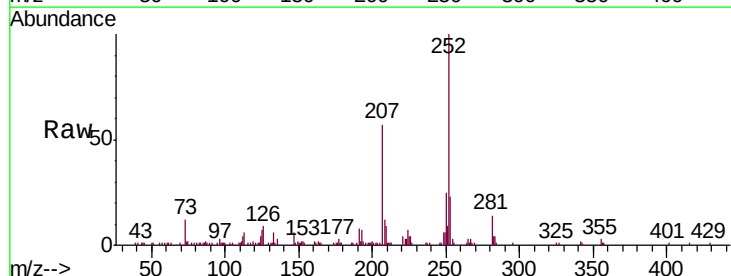
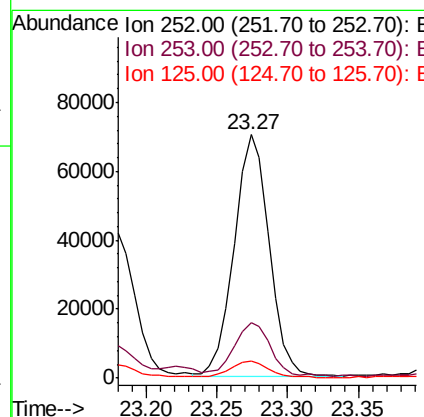
Manual Integrations
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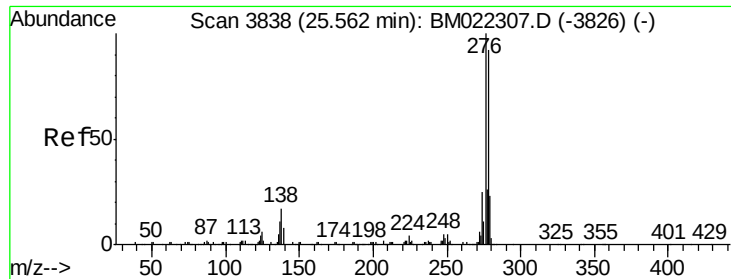
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#90
Benzo(a)pyrene
Concen: 8.014 ng/ul
RT: 23.27 min Scan# 3449
Delta R.T. -0.00 min
Lab File: BM022316.D
Acq: 25 Aug 2019 06:01

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	120784		
253	22.7	16.9	25.3	
125	6.9	5.5	8.3	





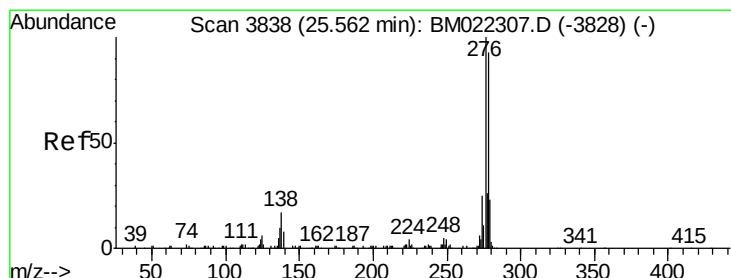
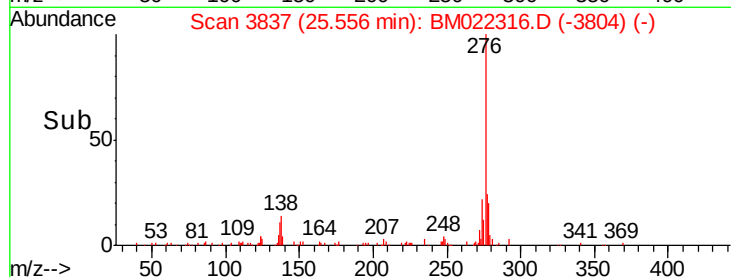
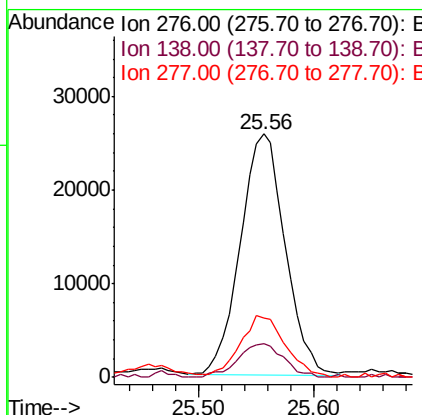
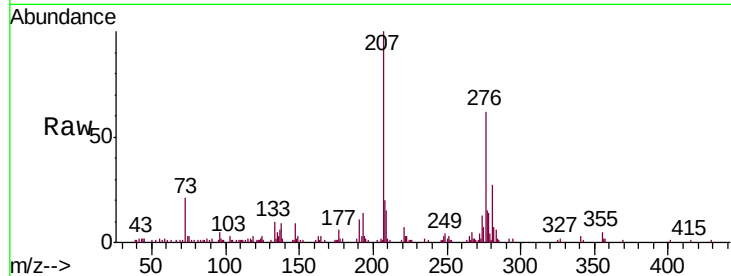
#91
Indeno(1,2,3-cd)pyrene
Concen: 3.985 ng/ul
RT: 25.56 min Scan# 3837
Delta R.T. -0.01 min
Lab File: BM022316.D
Acq: 25 Aug 2019 06:01

Instrument :
BNA_M
ClientSampleId :
C0AG7ME

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.0	12.6	18.8
277	24.3	20.2	30.2

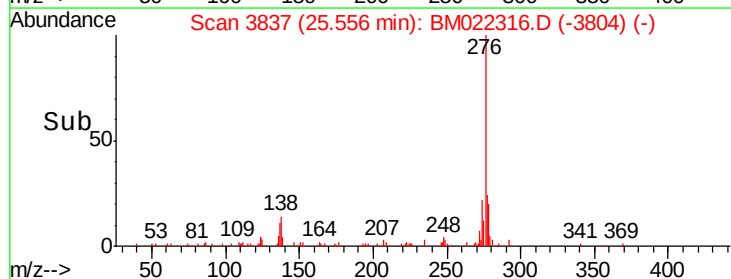
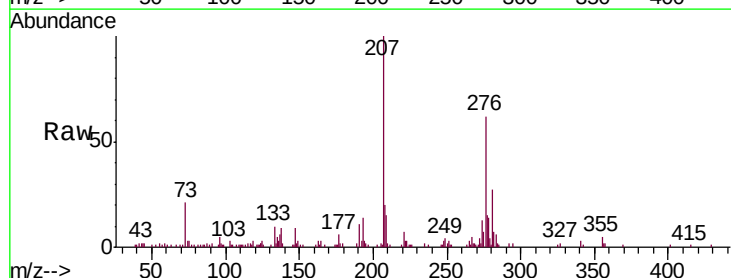
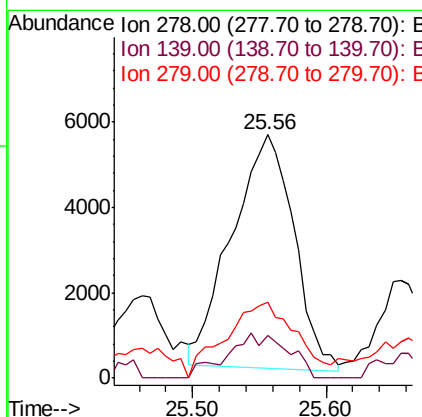
Manual Integrations
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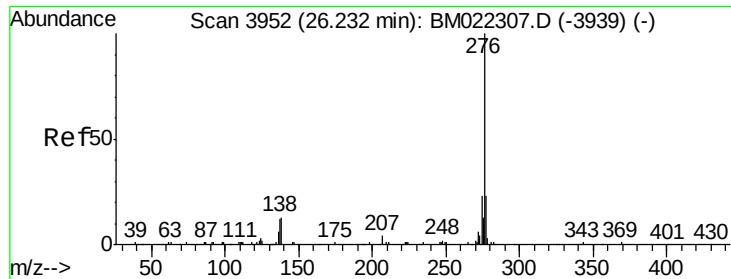
mohammad
8/26/2019 8:31:35 AM



#92
Dibenzo(a,h)anthracene
Concen: 1.182 ng/ul
RT: 25.56 min Scan# 3837
Delta R.T. -0.01 min
Lab File: BM022316.D
Acq: 25 Aug 2019 06:01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.7	7.7	11.5#
279	31.4	19.0	28.6#





#93
 Benzo(a,h,i)perylene
 Concen: 3.877 ng/ul
 RT: 26.23 min Scan# 3952
 Delta R.T. -0.00 min
 Lab File: BM022316.D
 Acq: 25 Aug 2019 06:01

Instrument :
 BNA_M
 ClientSampleId :
 C0AG7ME

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.9	10.2	15.4
277	26.1	18.2	27.4

Manual Integrations
 APPROVED

mohammad
 8/26/2019 8:31:35 AM

