

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
 Data File : BM023018.D
 Acq On : 06 Oct 2019 09:29
 Operator : JU
 Sample : K5057-09
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBAJ5

Manual Integrations
 APPROVED

mohammad
 10/7/2019 3:40:28 PM

Quant Time: Oct 07 04:16:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 04 16:45:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	286865	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	1097763	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.42	164	572609	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.16	188	1006418	20.00	ng/ul	0.00
78) Chrysene-d12	21.35	240	962030	20.00	ng/ul	0.00
86) Perylene-d12	23.61	264	1216169	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	18673	2.82	ng/uL	0.00
5) Phenol-d5	6.95	99	325961	12.86	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.12	67	198230	14.29	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.32	132	279482	13.69	ng/ul	-0.01
13) 4-Methylphenol-d8	8.49	113	257272	12.40	ng/ul	-0.02
19) Nitrobenzene-d5	8.94	128	126858	14.97	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	129080	13.95	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.19	165	250632	13.61	ng/ul	-0.02
29) 4-Chloroaniline-d4	10.70	131	259319	11.59	ng/ul	-0.01
44) Dimethylphthalate-d6	13.83	166	675128	15.19	ng/ul	-0.01
47) Acenaphthylene-d8	14.11	160	801583	15.62	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.62	143	61370	6.99	ng/ul	-0.01
58) Fluorene-d10	15.41	176	570566	15.06	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.53	200	48875	7.46	ng/ul	-0.01
71) Anthracene-d10	17.26	188	792930	16.13	ng/ul	-0.01
79) Pyrene-d10	19.55	212	854020	16.49	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.47	264	1031954	16.40	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.98	94	51125	1.924	ng/ul 98
28) Naphthalene	10.62	128	964264	16.265	ng/ul 100
34) 2-Methylnaphthalene	12.23	142	205635	4.626	ng/ul 98
41) 1,1'-Biphenyl	13.25	154	49344	1.052	ng/ul 98
45) Dimethylphthalate	13.87	163	196536	4.305	ng/ul 99
50) Acenaphthene	14.49	153	854282	22.140	ng/ul 99
54) Dibenzofuran	14.82	168	548799	9.958	ng/ul 99
59) Fluorene	15.47	166	877758	19.710	ng/ul 100
70) Phenanthrene	17.21	178	6091121	101.409	ng/ul 98
72) Anthracene	17.29	178	1834505	29.974	ng/ul 100
75) Carbazole	17.56	167	891709	16.393	ng/ul 99
77) Fluoranthene	19.23	202	6761525	100.090	ng/ul 99
80) Pyrene	19.59	202	5621133	82.426	ng/ul 97
83) Benzo(a)anthracene	21.33	228	3109350	45.018	ng/ul 98
85) Chrysene	21.39	228	2953936	46.386	ng/ul 97
88) Benzo(b)fluoranthene	22.94	252	4179129	51.781	ng/ul# 94
89) Benzo(k)fluoranthene	22.97	252	1385198m	17.940	ng/ul
91) Benzo(a)pyrene	23.52	252	3076807	40.635	ng/ul# 95
92) Indeno(1,2,3-cd)pyrene	25.90	276	2132634	26.517	ng/ul 97
93) Dibenzo(a,h)anthracene	25.90	278	558724	8.305	ng/ul# 86
94) Benzo(a,h,i)perylene	26.61	276	2005287	30.905	ng/ul 98

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Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBAJ5

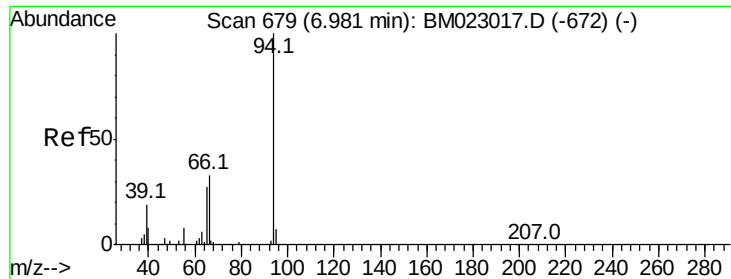
Manual Integrations
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10/7/2019 3:40:28 PM

Quant Time: Oct 07 04:16:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 04 16:45:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#6

Phenol

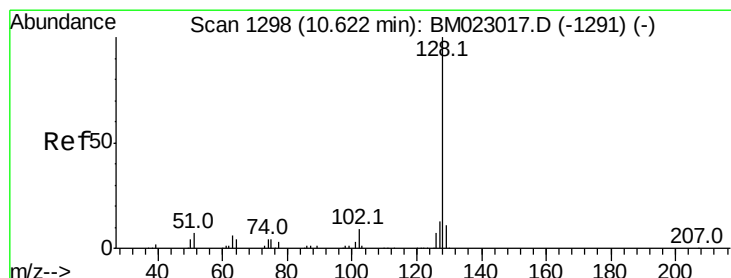
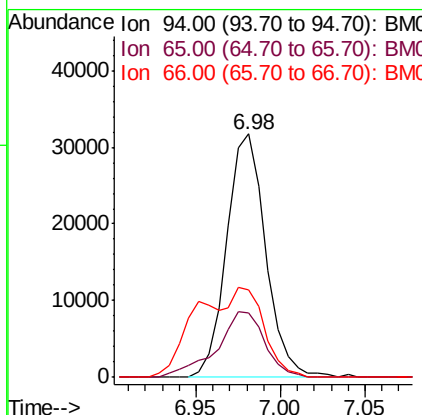
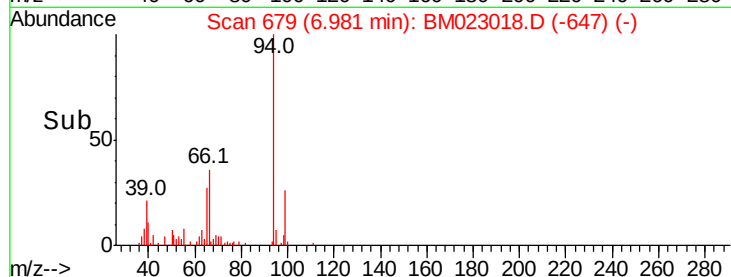
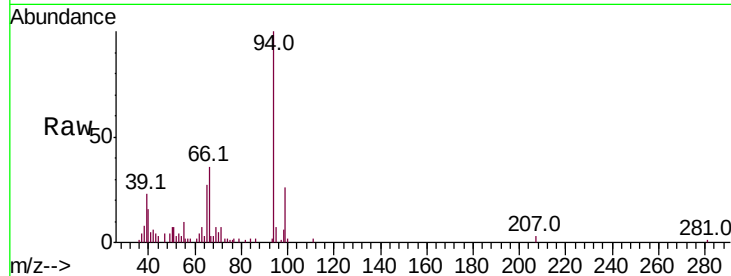
Concen: 1.924 ng/ul
 RT: 6.98 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: BM023018.D
 Acq: 06 Oct 2019 09:29

Instrument :
 BNA_M
 ClientSampleId :
 DBAJ5

Tot Ion	Ratio	Lower	Upper
94	100		
65	26.5	20.9	31.3
66	35.8	27.2	40.8

Manual Integrations
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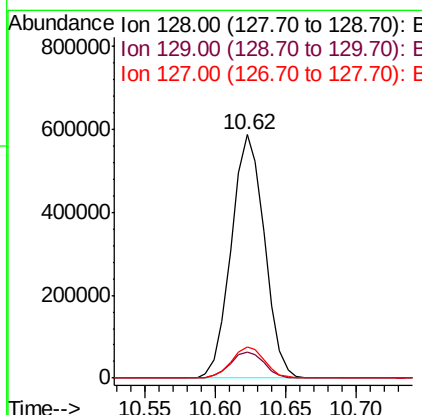
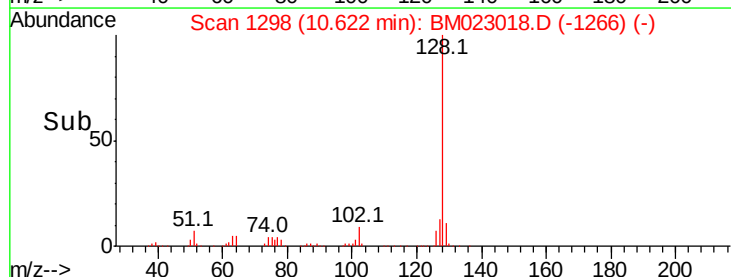
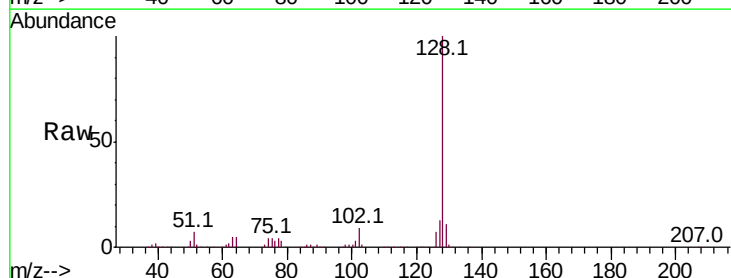


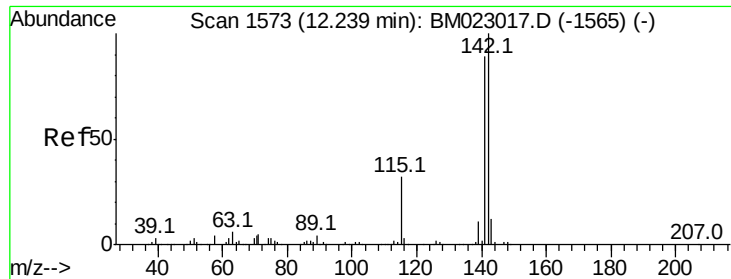
#28

Naphthalene

Concen: 16.265 ng/ul
 RT: 10.62 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: BM023018.D
 Acq: 06 Oct 2019 09:29

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	12.7	10.2	15.4





#34

2-Methylnaphthalene

Concen: 4.626 ng/ul

RT: 12.23 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BM023018.D

Acq: 06 Oct 2019 09:29

Instrument :

BNA_M

ClientSampled :

DBAJ5

Tot Ion:142 Resp: 205635

Ion Ratio Lower Upper

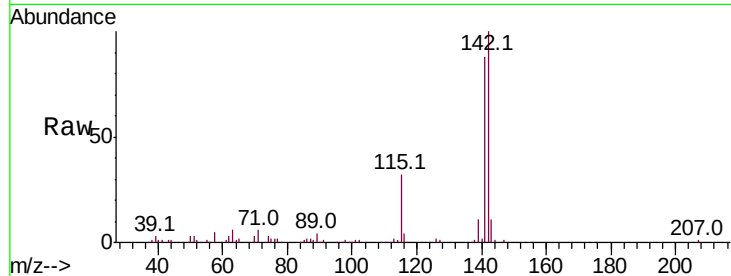
142 100

141 87.5 71.2 106.8

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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

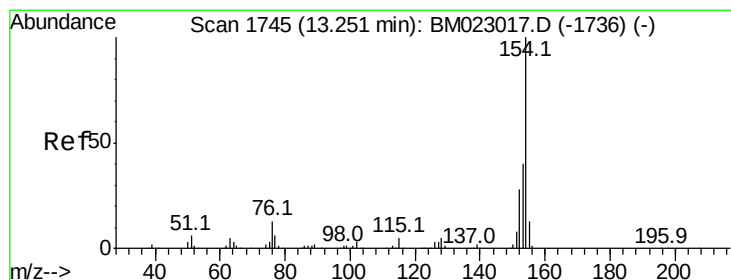
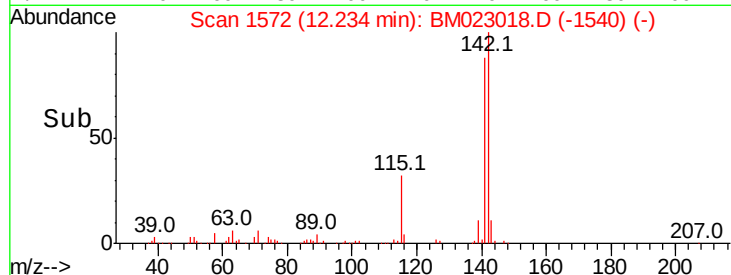
12.23

100000

50000

0

Time-->



#41

1,1'-Biphenyl

Concen: 1.052 ng/ul

RT: 13.25 min Scan# 1745

Delta R.T. -0.01 min

Lab File: BM023018.D

Acq: 06 Oct 2019 09:29

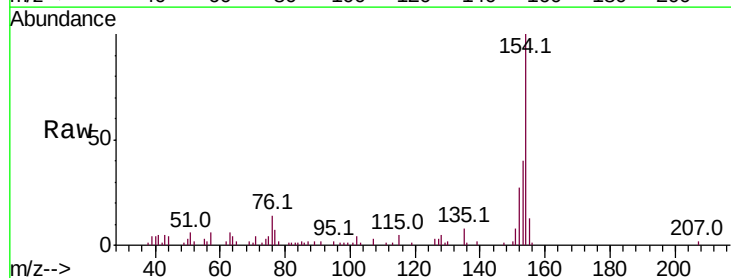
Tgt Ion:154 Resp: 49344

Ion Ratio Lower Upper

154 100

153 40.4 31.8 47.6

76 14.0 9.6 14.4



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

13.25

40000

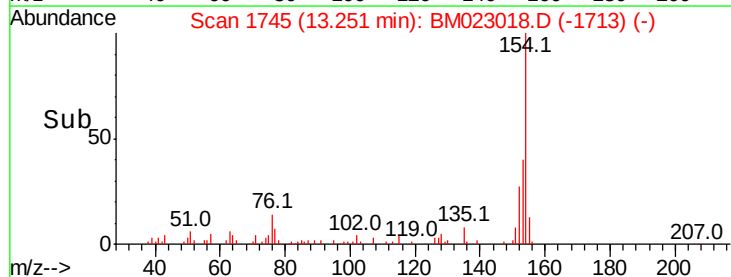
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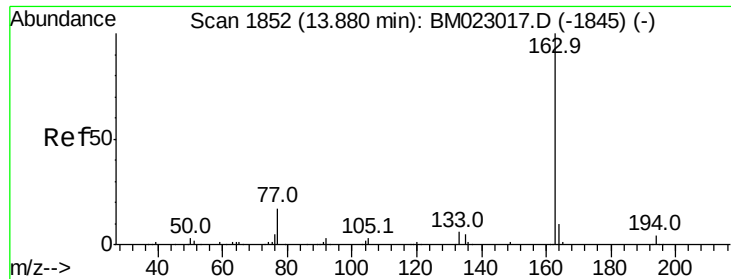
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10000

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Time-->





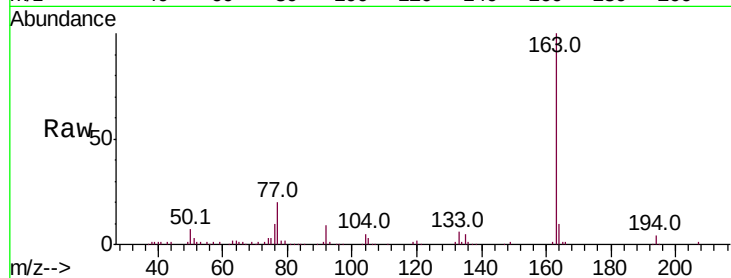
#45
Dimethylphthalate
Concen: 4.305 ng/ul
RT: 13.87 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BM023018.D
Acq: 06 Oct 2019 09:29

Instrument :
BNA_M
ClientSampleId :
DBAJ5

Tot Ion	Ratio	Resp	Lower	Upper
163	100	196536		
194	4.0		3.4	5.0
164	9.7		8.1	12.1

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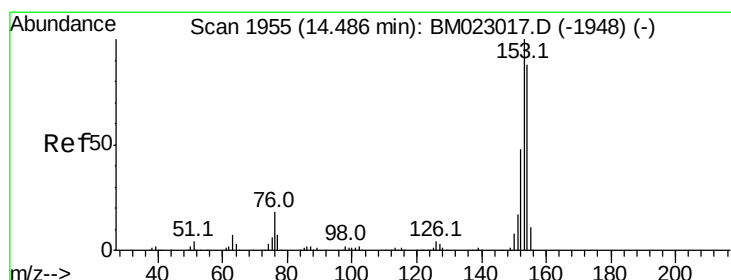
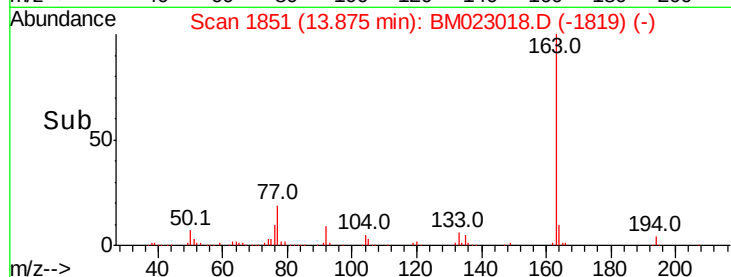
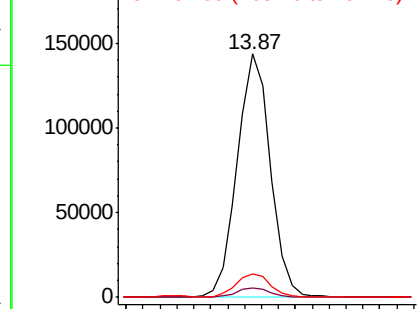


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50
Acenaphthene
Concen: 22.140 ng/ul
RT: 14.49 min Scan# 1955
Delta R.T. -0.01 min
Lab File: BM023018.D
Acq: 06 Oct 2019 09:29

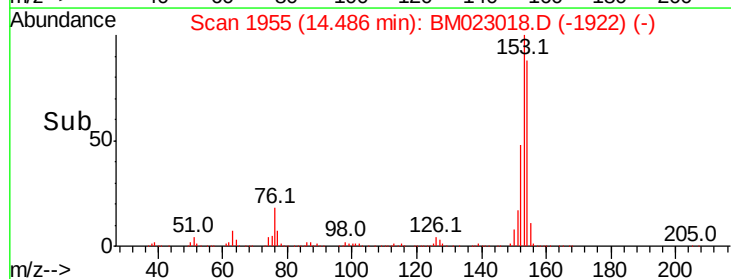
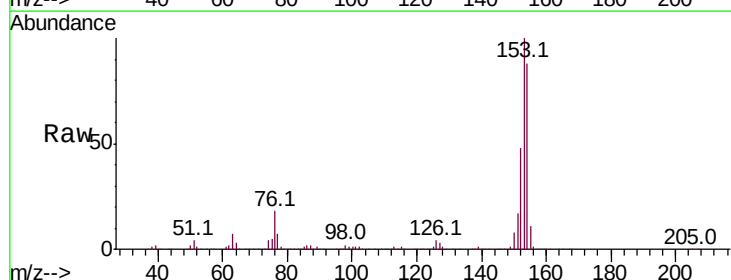
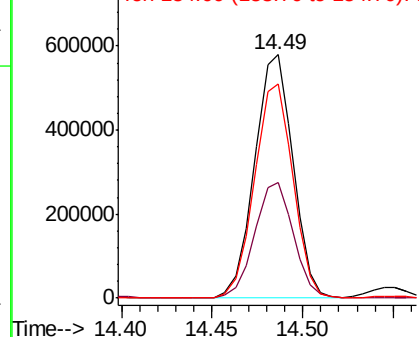
Tgt Ion	Ratio	Resp	Lower	Upper
153	100	854282		
152	47.5		38.1	57.1
154	87.9		71.1	106.7

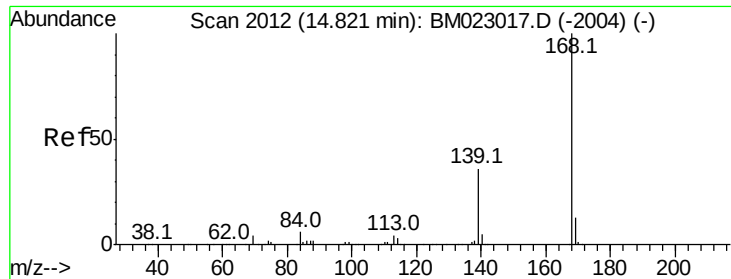
Abundance

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





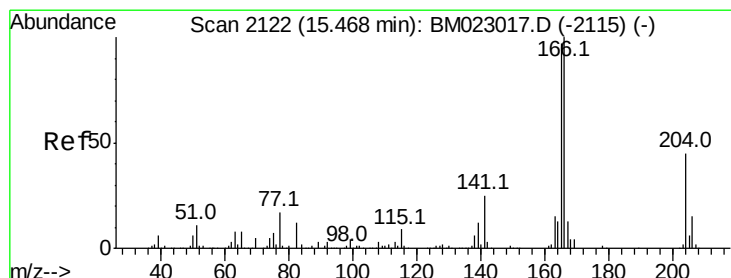
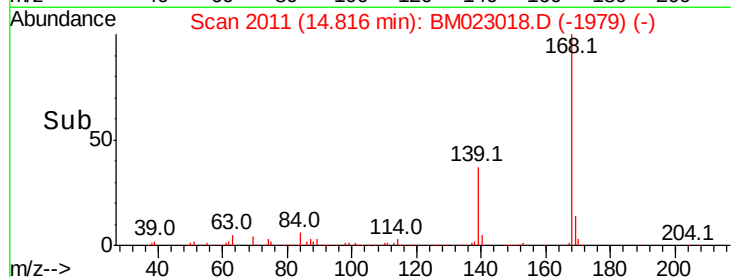
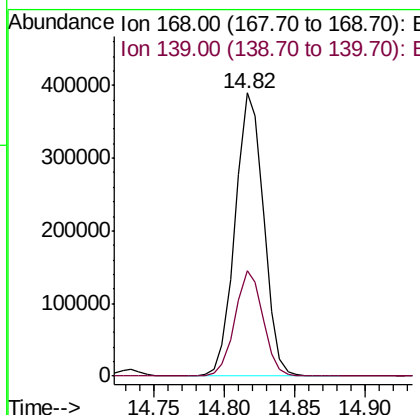
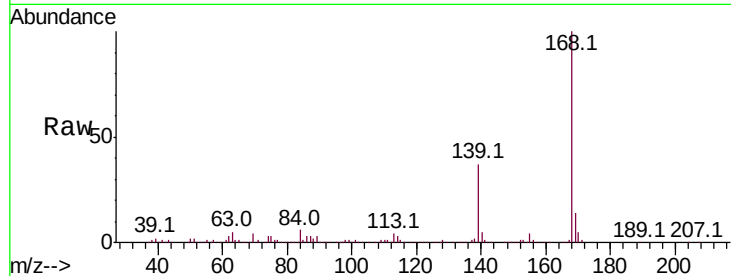
#54
Dibenzenofuran
Concen: 9.958 ng/ul
RT: 14.82 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BM023018.D
Acq: 06 Oct 2019 09:29

Instrument :
BNA_M
ClientSampled :
DBAJ5

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.1	29.0	43.4

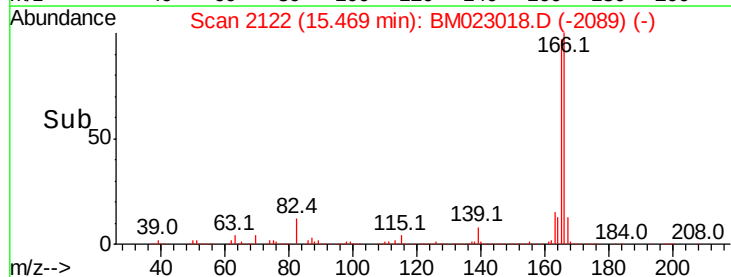
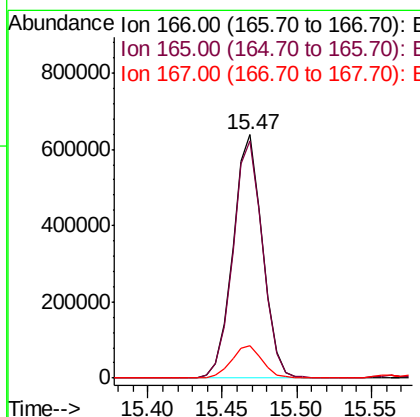
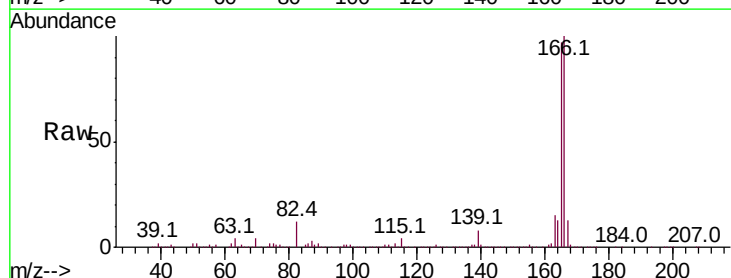
Manual Integrations
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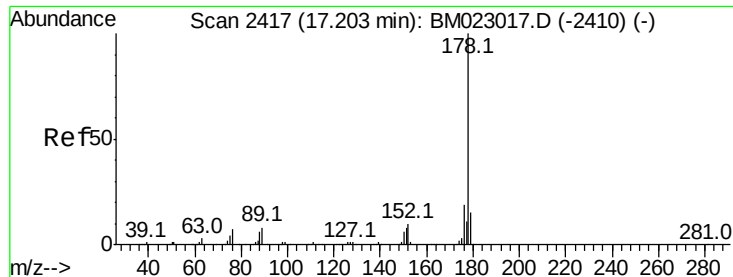
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#59
Fluorene
Concen: 19.710 ng/ul
RT: 15.47 min Scan# 2122
Delta R.T. -0.01 min
Lab File: BM023018.D
Acq: 06 Oct 2019 09:29

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.2	77.7	116.5
167	13.5	11.0	16.4





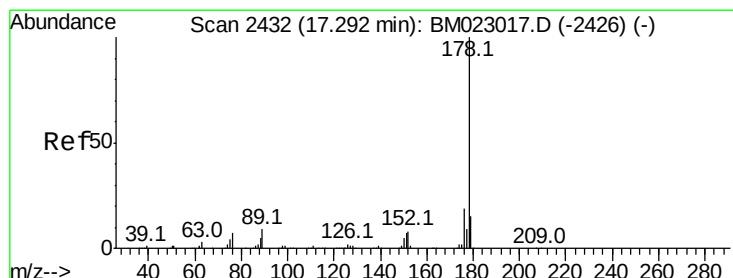
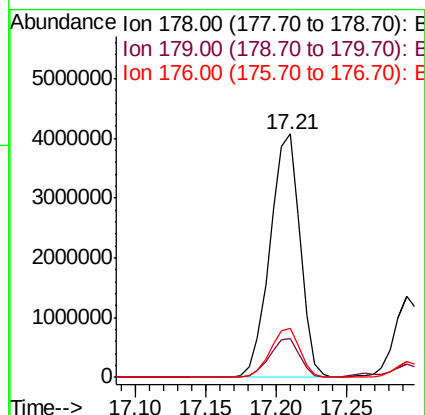
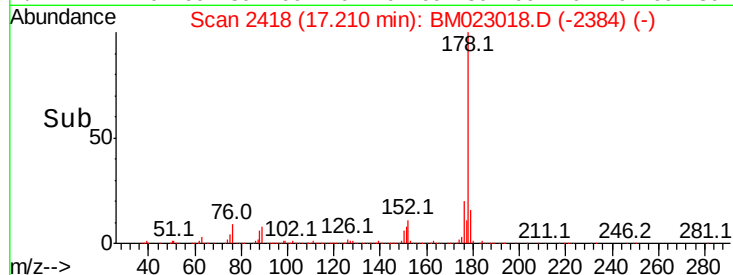
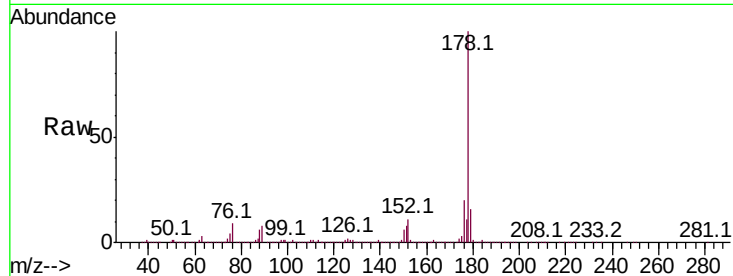
#70
Phenanthrene
Concen: 101.409 ng/ul
RT: 17.21 min Scan# 2418
Delta R.T. 0.00 min
Lab File: BM023018.D
Acq: 06 Oct 2019 09:29

Instrument :
BNA_M
ClientSampled :
DBAJ5

Tot Ion:178 Resp: 6091121
Ion Ratio Lower Upper
178 100
179 15.9 12.4 18.6
176 20.3 15.3 22.9

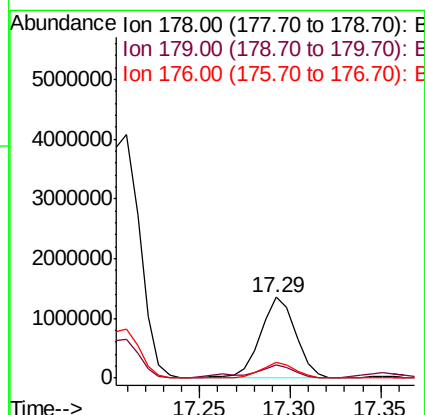
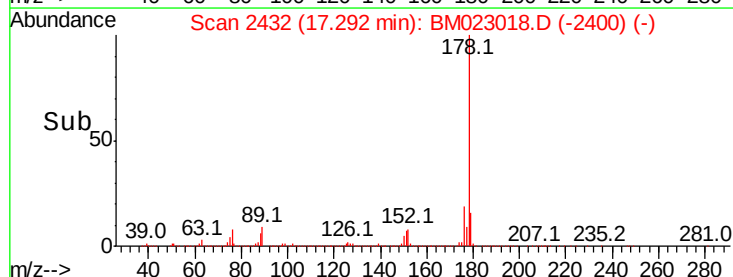
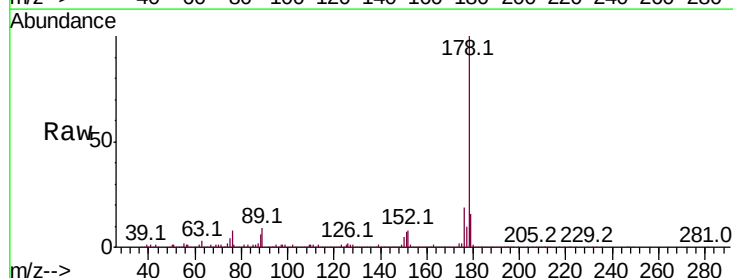
Manual Integrations
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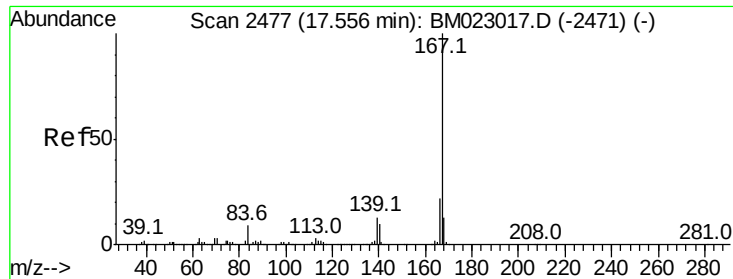
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#72
Anthracene
Concen: 29.974 ng/ul
RT: 17.29 min Scan# 2432
Delta R.T. -0.01 min
Lab File: BM023018.D
Acq: 06 Oct 2019 09:29

Tgt Ion:178 Resp: 1834505
Ion Ratio Lower Upper
178 100
179 15.8 12.4 18.6
176 18.7 15.0 22.6





#75

Carbazole

Concen: 16.393 ng/ul

RT: 17.56 min Scan# 2477

Delta R.T. -0.01 min

Lab File: BM023018.D

Acq: 06 Oct 2019 09:29

Instrument :

BNA_M

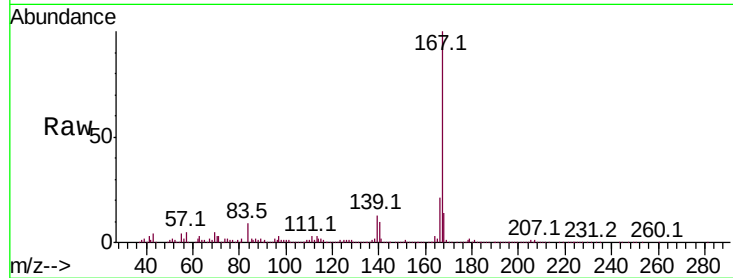
ClientSampleId :

DBAJ5

Tot Ion:	167	Resp:	891709
Ion Ratio	Lower	Upper	
167	100		
166	21.4	17.1	25.7
139	13.2	9.9	14.9

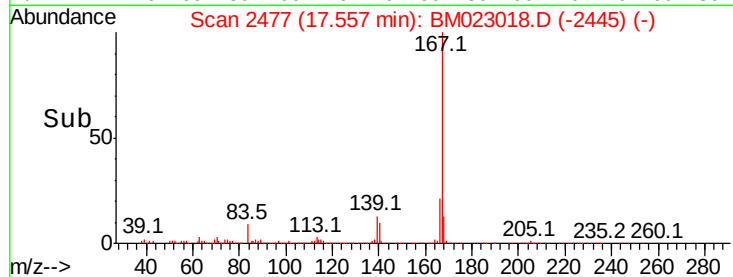
Manual Integrations
APPROVED

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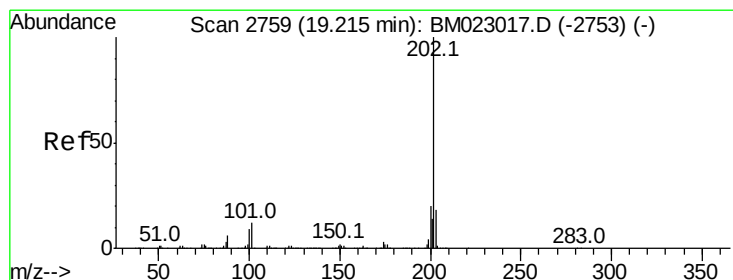


Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E

17.56



Time-->



#77

Fluoranthene

Concen: 100.090 ng/ul

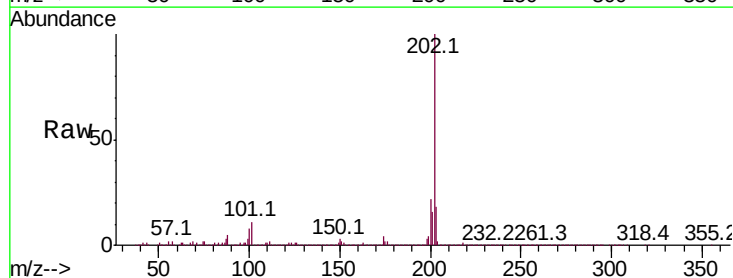
RT: 19.23 min Scan# 2761

Delta R.T. 0.00 min

Lab File: BM023018.D

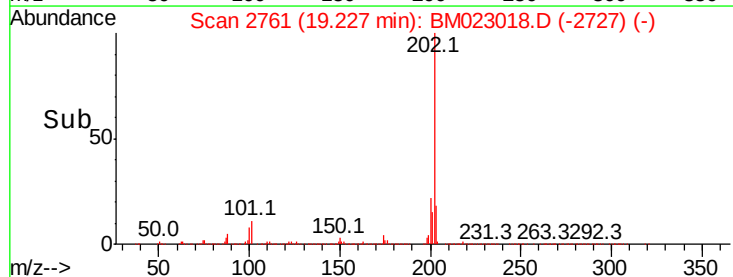
Acq: 06 Oct 2019 09:29

Tgt Ion:	202	Resp:	6761525
Ion Ratio	Lower	Upper	
202	100		
101	11.0	8.6	12.8
100	8.4	6.4	9.6

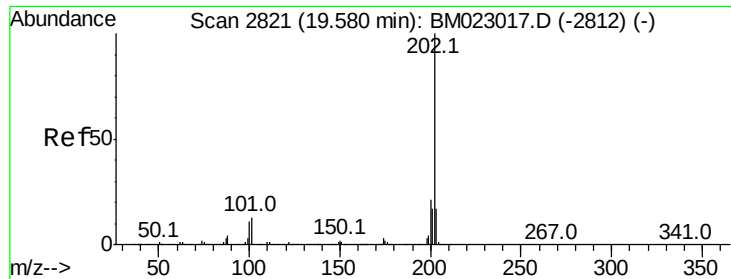


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): E

19.23



Time-->



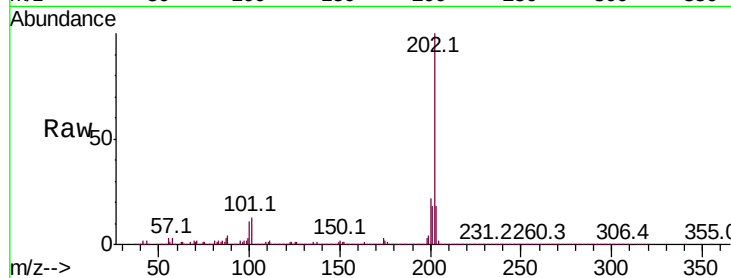
#80
Pvrene
Concen: 82.426 ng/ul
RT: 19.59 min Scan# 2822
Delta R.T. -0.01 min
Lab File: BM023018.D
Acq: 06 Oct 2019 09:29

Instrument :
BNA_M
ClientSampleId :
DBAJ5

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.3	9.7	14.5
100	10.9	7.8	11.8

Manual Integrations
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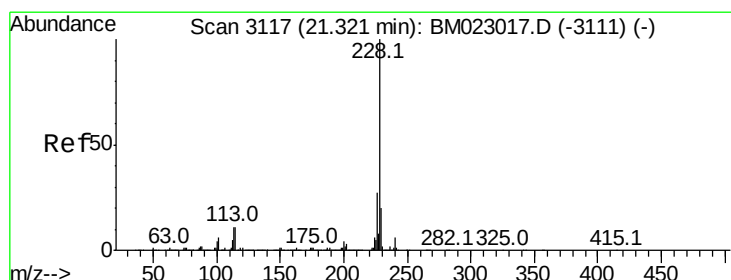
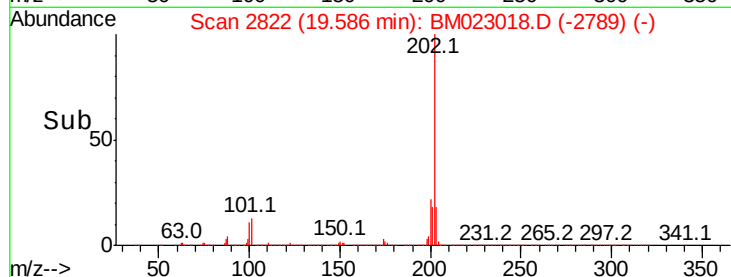
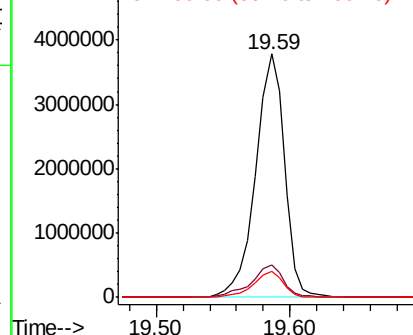


Abundance

Ion 202.00 (201.70 to 202.70): E

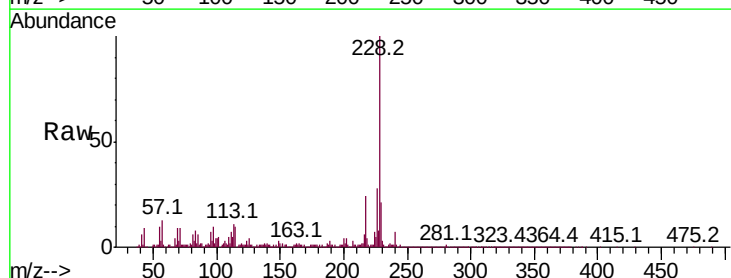
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#83
Benzo(a)anthracene
Concen: 45.018 ng/ul
RT: 21.33 min Scan# 3119
Delta R.T. 0.00 min
Lab File: BM023018.D
Acq: 06 Oct 2019 09:29

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.8	23.8
226	28.4	22.4	33.6

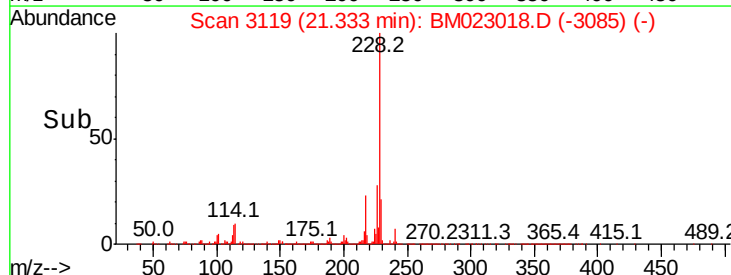
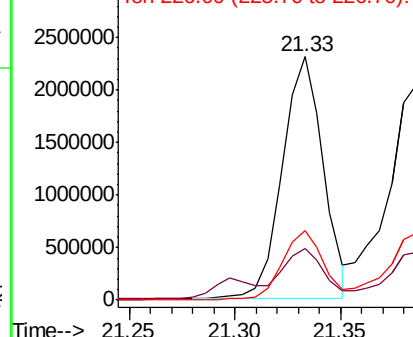


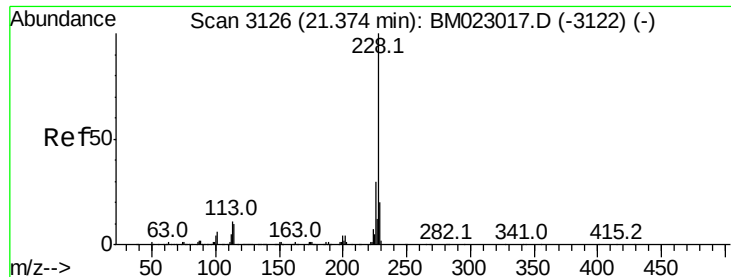
Abundance

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





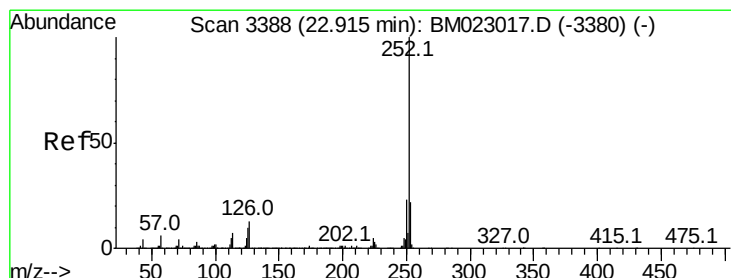
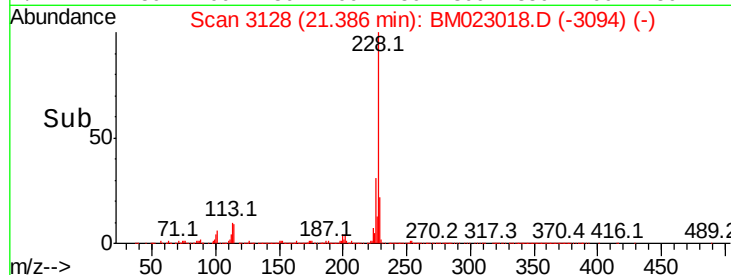
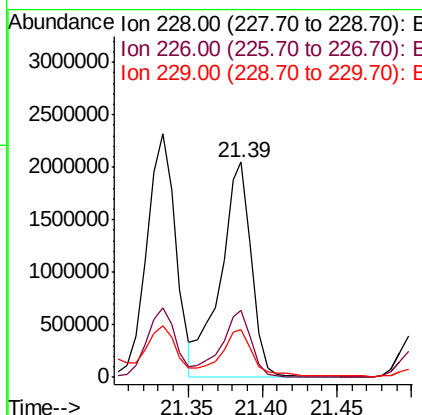
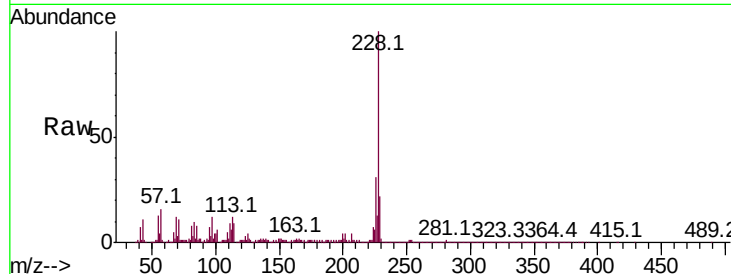
#85
Chrysene
Concen: 46.386 ng/ul
RT: 21.39 min Scan# 3128
Delta R.T. 0.00 min
Lab File: BM023018.D
Acq: 06 Oct 2019 09:29

Instrument :
BNA_M
ClientSampleId :
DBAJ5

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.2	36.4
229	22.5	15.9	23.9

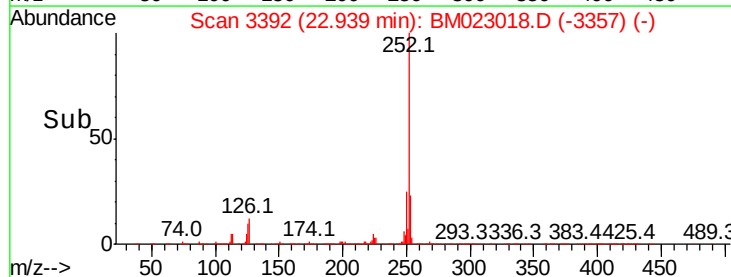
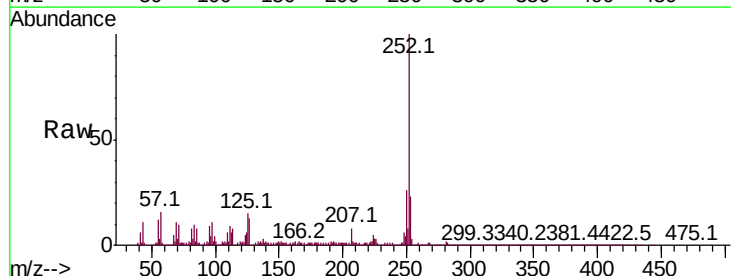
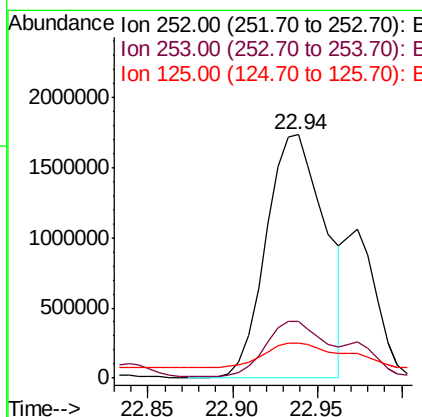
Manual Integrations
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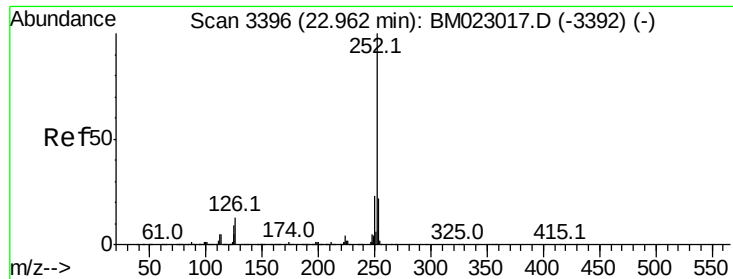
mohammad
10/7/2019 3:40:28 PM



#88
Benzo(b)fluoranthene
Concen: 51.781 ng/ul
RT: 22.94 min Scan# 3392
Delta R.T. 0.01 min
Lab File: BM023018.D
Acq: 06 Oct 2019 09:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	14.6	8.2	12.2#





#89

Benzo(k)fluoranthene

Concen: 17.940 ng/ul m

RT: 22.97 min Scan# 3398

Delta R.T. 0.00 min

Lab File: BM023018.D

Acq: 06 Oct 2019 09:29

Instrument :

BNA_M

ClientSampleId :

DBAJ5

Tot Ion:252 Resp: 1385198

Ion Ratio Lower Upper

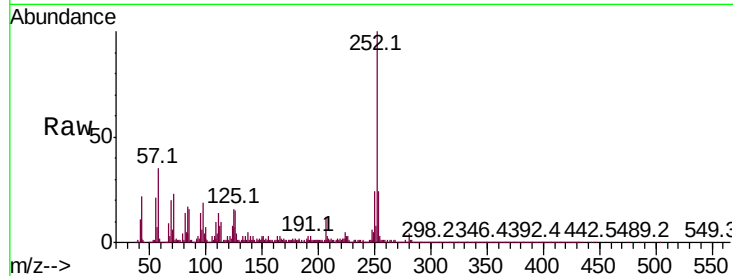
252 100

253 24.5 17.5 26.3

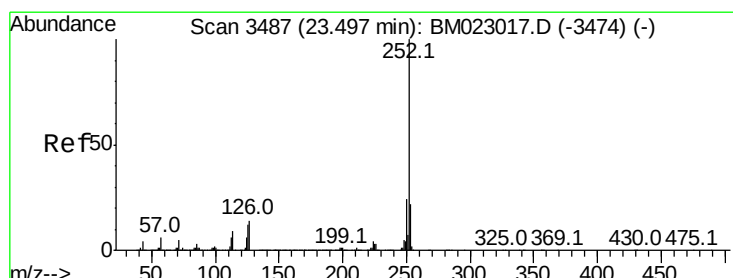
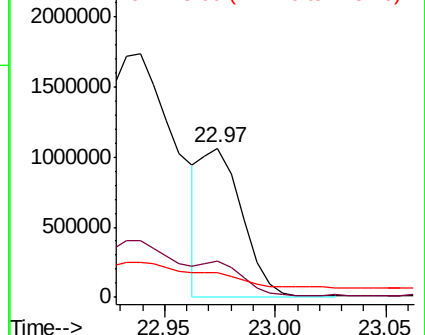
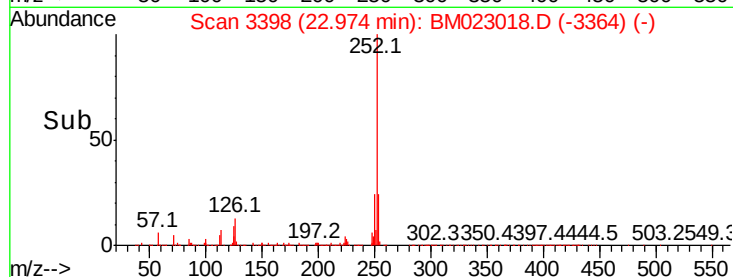
125 16.3 7.9 11.9#

Manual Integrations
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mohammad
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91

Benzo(a)pyrene

Concen: 40.635 ng/ul

RT: 23.52 min Scan# 3490

Delta R.T. 0.00 min

Lab File: BM023018.D

Acq: 06 Oct 2019 09:29

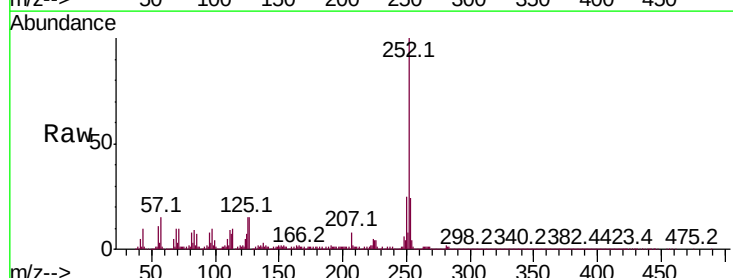
Tgt Ion:252 Resp: 3076807

Ion Ratio Lower Upper

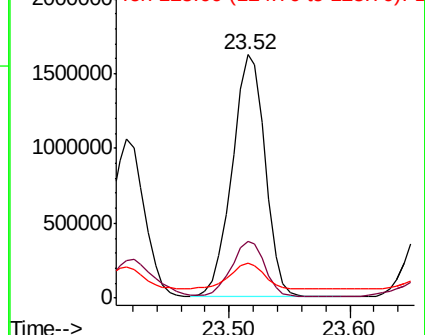
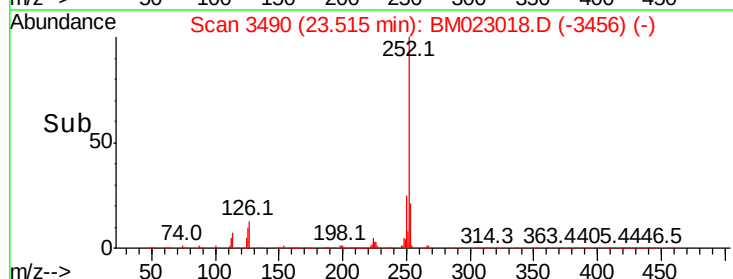
252 100

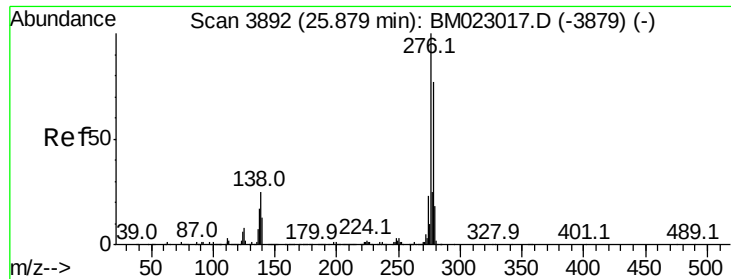
253 23.5 17.6 26.4

125 14.6 8.7 13.1#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#92

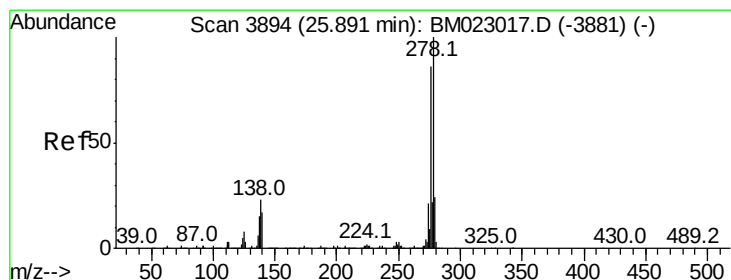
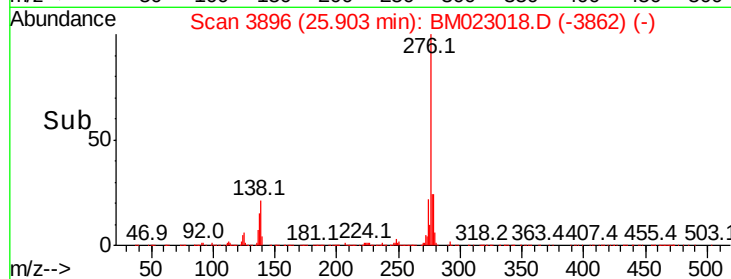
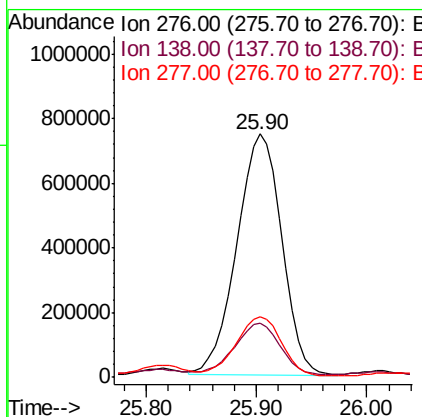
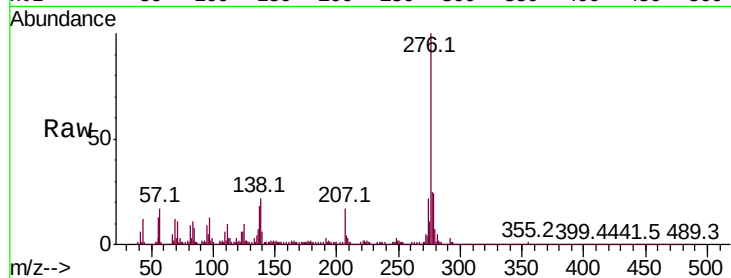
Indeno(1,2,3-cd)pyrene
Concen: 26.517 ng/ul
RT: 25.90 min Scan# 3896
Delta R.T. 0.00 min
Lab File: BM023018.D
Acq: 06 Oct 2019 09:29

Instrument :
BNA_M
ClientSampleId :
DBAJ5

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.1	19.8	29.8
277	24.9	20.3	30.5

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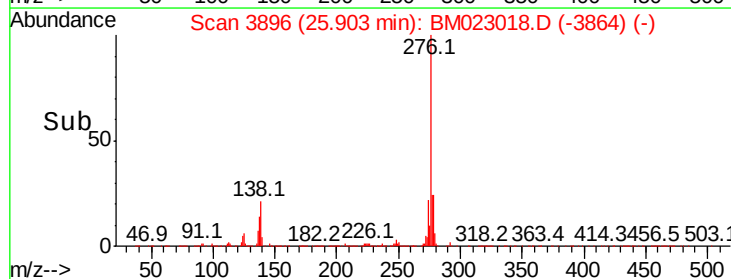
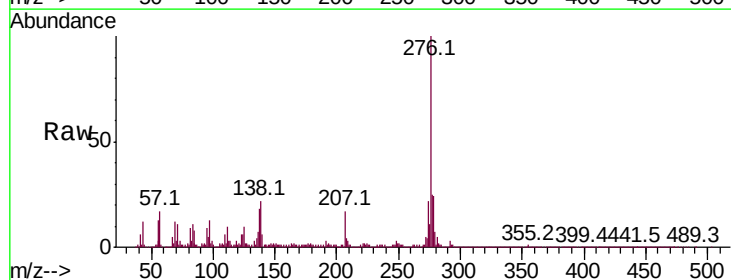
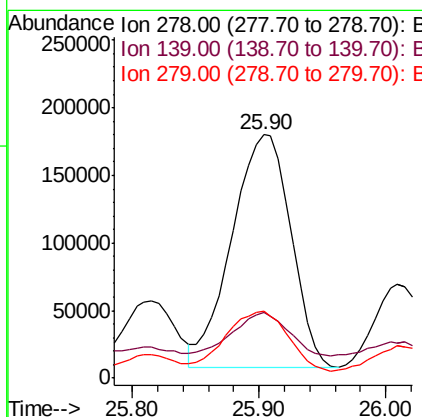
mohammad
10/7/2019 3:40:28 PM

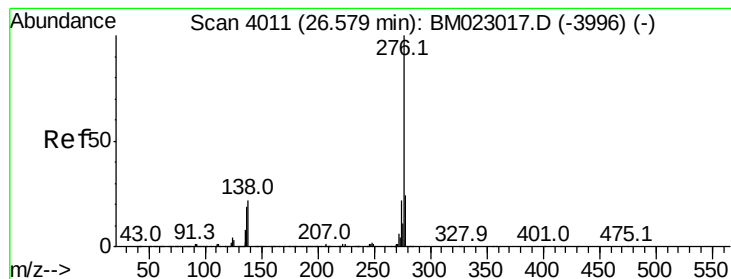


#93

Dibenzo(a,h)anthracene
Concen: 8.305 ng/ul
RT: 25.90 min Scan# 3896
Delta R.T. -0.01 min
Lab File: BM023018.D
Acq: 06 Oct 2019 09:29

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.0	13.2	19.8#
279	27.3	19.0	28.6





#94

Benzo(a,h,i)perylene

Concen: 30.905 ng/ul

RT: 26.61 min Scan# 4016

Delta R.T. 0.01 min

Lab File: BM023018.D

Acq: 06 Oct 2019 09:29

Instrument :

BNA_M

ClientSampleId :

DBAJ5

Tot Ion:276 Resp: 2005287

Ion Ratio Lower Upper

276 100

138 22.9 17.6 26.4

277 24.6 19.1 28.7

Manual Integrations

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mohammad

10/7/2019 3:40:28 PM

