

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112119\
 Data File : BM023833.D
 Acq On : 21 Nov 2019 17:31
 Operator : JU
 Sample : K5851-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AA8

Manual Integrations
 APPROVED

mohammad
 11/22/2019 1:22:42 PM

Quant Time: Nov 22 05:57:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 21 16:09:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	328624	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.29	136	1352211	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.17	164	830256	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.92	188	1783854	20.00	ng/ul	0.00
78) Chrysene-d12	21.13	240	1745304	20.00	ng/ul	0.00
86) Perylene-d12	23.29	264	2116623	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	14821	1.86	ng/uL	0.00
5) Phenol-d5	6.70	99	406889	13.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	233865	13.59	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	324892	14.97	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	315748	13.21	ng/ul	-0.01
19) Nitrobenzene-d5	8.66	128	153509	15.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.38	143	167376	16.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.92	165	322036	13.88	ng/ul	0.00
29) 4-Chloroaniline-d4	10.43	131	318755	12.51	ng/ul	0.00
44) Dimethylphthalate-d6	13.59	166	967511	14.94	ng/ul	0.00
47) Acenaphthylene-d8	13.86	160	1161937	15.73	ng/ul	0.00
52) 4-Nitrophenol-d4	14.41	143	92669	8.38	ng/ul	0.00
58) Fluorene-d10	15.17	176	887697	15.53	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.31	200	65627	6.36	ng/ul	0.00
71) Anthracene-d10	17.02	188	1431087	16.91	ng/ul	0.00
79) Pyrene-d10	19.33	212	1558628	17.13	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.15	264	1885831	16.93	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.33	128	118856	1.672	ng/ul	97
45) Dimethylphthalate	13.64	163	456915	7.201	ng/ul	100
48) Acenaphthylene	13.89	152	548206	7.370	ng/ul	100
50) Acenaphthene	14.23	153	115231	2.183	ng/ul	100
54) Dibenzofuran	14.57	168	334257	4.277	ng/ul	98
59) Fluorene	15.23	166	746663	11.778	ng/ul	100
70) Phenanthrene	16.97	178	7843887	79.830	ng/ul	99
72) Anthracene	17.06	178	1878351	19.012	ng/ul	100
75) Carbazole	17.33	167	445512	5.409	ng/ul	99
77) Fluoranthene	19.00	202	11468943m	108.947	ng/ul	
80) Pyrene	19.36	202	8863842	78.571	ng/ul	99
83) Benzo(a)anthracene	21.12	228	4450741	38.661	ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.07	149	71746	1.330	ng/ul#	97
85) Chrysene	21.17	228	4120410	38.018	ng/ul	97
88) Benzo(b)fluoranthene	22.65	252	5491350	40.698	ng/ul	98
89) Benzo(k)fluoranthene	22.69	252	1891865m	14.554	ng/ul	
91) Benzo(a)pyrene	23.19	252	3943769	31.928	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.43	276	2712403	20.536	ng/ul	98
93) Dibenzo(a,h)anthracene	25.43	278	713861	6.404	ng/ul#	83
94) Benzo(g,h,i)perylene	26.07	276	2567230	23.986	ng/ul	97

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

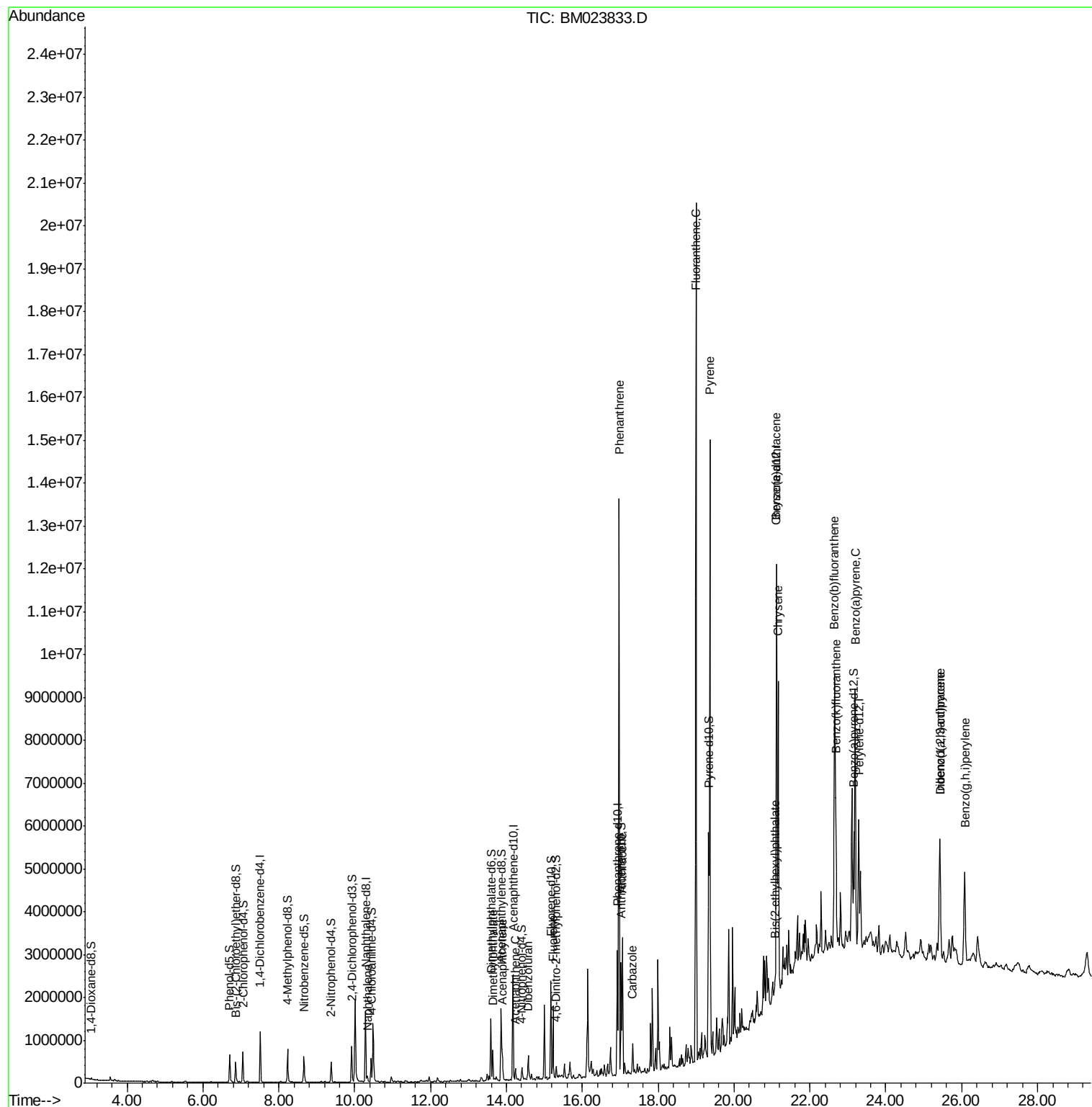
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112119\
Data File : BM023833.D
Acq On : 21 Nov 2019 17:31
Operator : JU
Sample : K5851-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

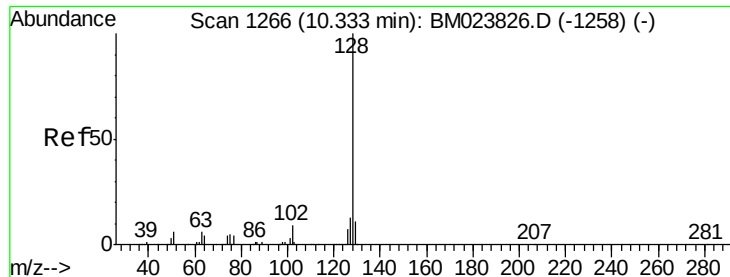
Instrument :
BNA_M
ClientSampleId :
C0AA8

Quant Time: Nov 22 05:57:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM11119MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 21 16:09:32 2019
Response via : Initial Calibration

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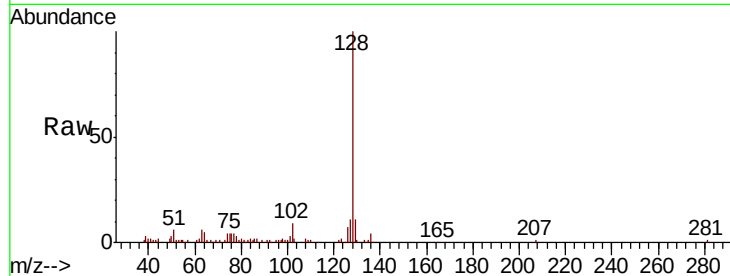
#28
Naphthalene
Concen: 1.672 ng/ul
RT: 10.33 min Scan# 1266
Delta R.T. -0.01 min
Lab File: BM023833.D
Acq: 21 Nov 2019 17:31

Instrument :
BNA_M
ClientSampled :
C0AA8

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.5	8.7	13.1	
127	11.4	10.6	16.0	

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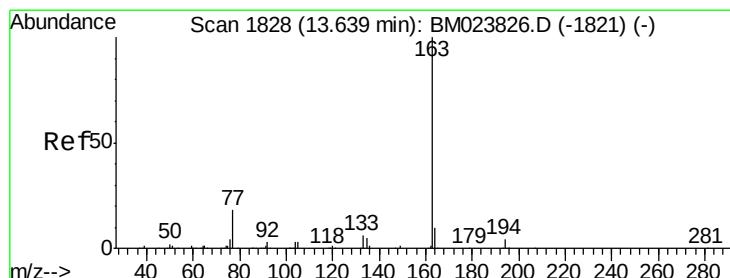
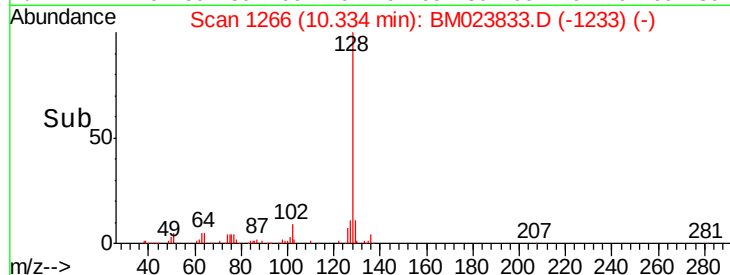
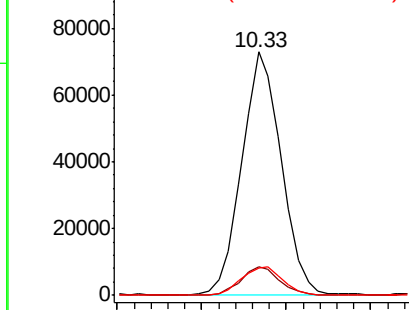


Abundance

Ion 128.00 (127.70 to 128.70): E

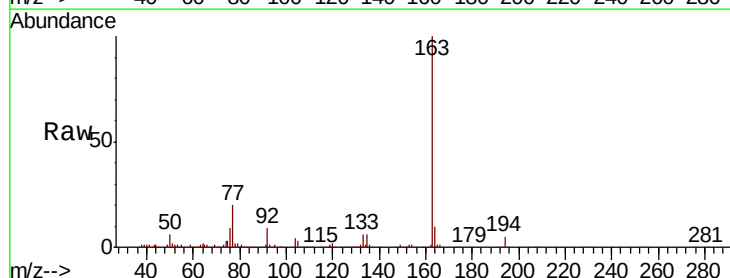
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#45
Dimethylphthalate
Concen: 7.201 ng/ul
RT: 13.64 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BM023833.D
Acq: 21 Nov 2019 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.5	3.4	5.2	
164	10.1	8.0	12.0	

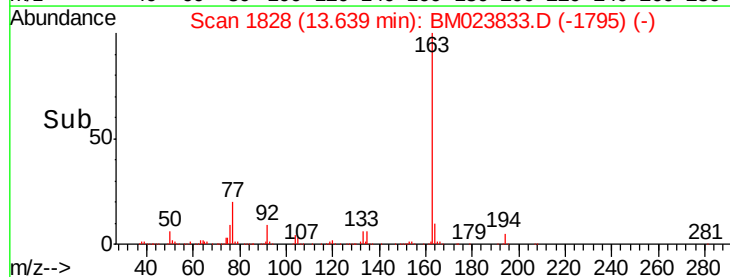
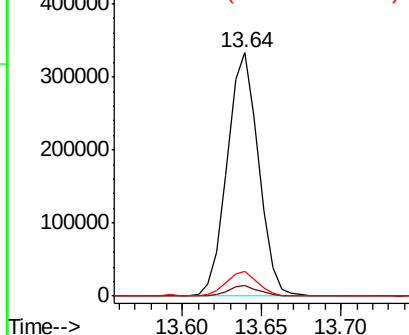


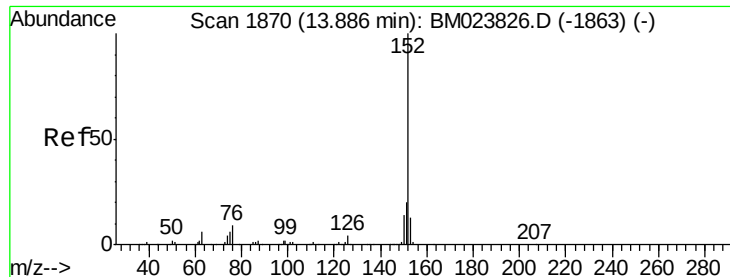
Abundance

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





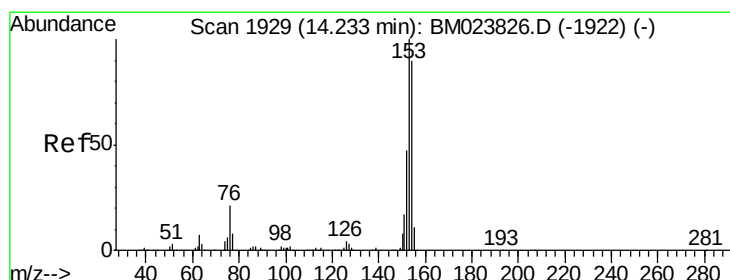
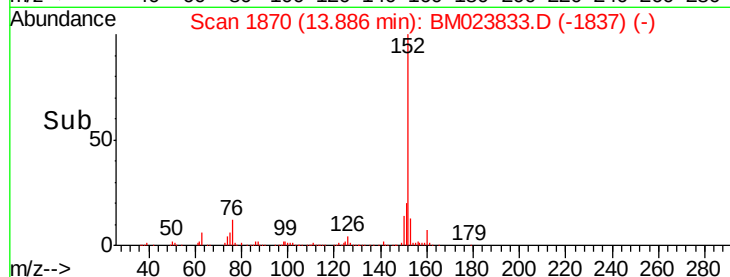
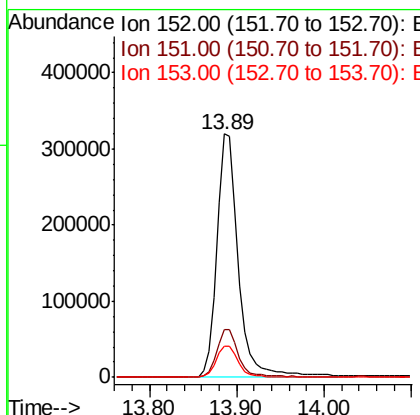
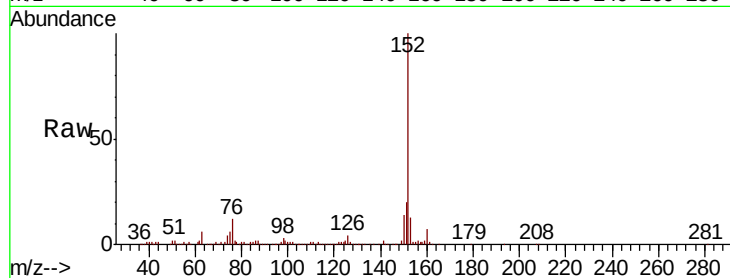
#48
Acenaphthylene
Concen: 7.370 ng/ul
RT: 13.89 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BM023833.D
Acq: 21 Nov 2019 17:31

Instrument :
BNA_M
ClientSampleId :
C0AA8

Tot Ion	Ratio	Resp	Lower	Upper
152	100	548206		
151	19.9		16.1	24.1
153	12.8		10.4	15.6

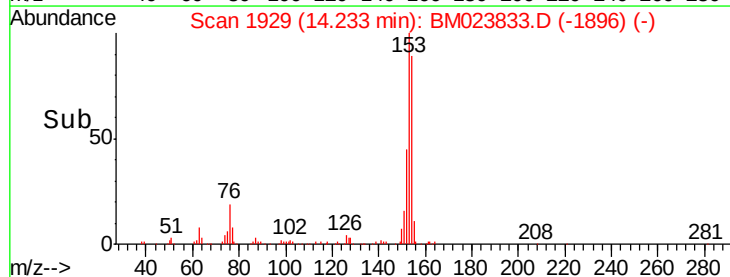
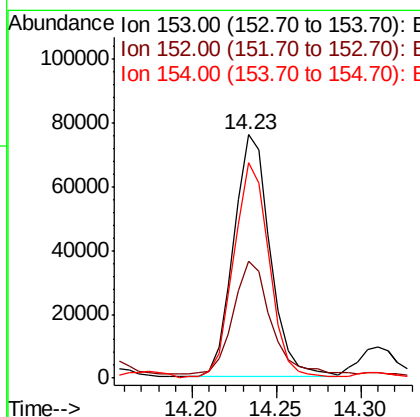
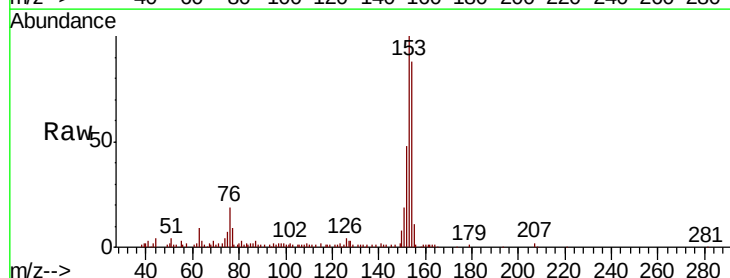
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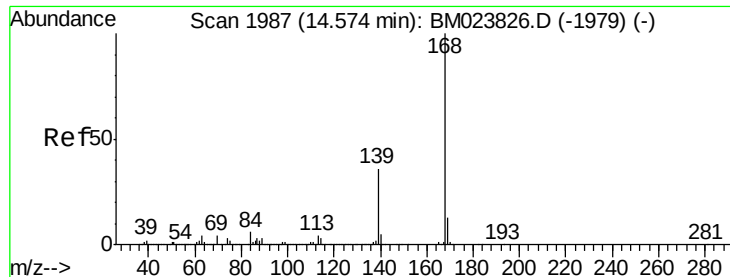
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#50
Acenaphthene
Concen: 2.183 ng/ul
RT: 14.23 min Scan# 1929
Delta R.T. -0.01 min
Lab File: BM023833.D
Acq: 21 Nov 2019 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	115231		
152	47.8		37.7	56.5
154	88.4		70.6	106.0





#54

Dibenzenofuran

Concen: 4.277 ng/ul

RT: 14.57 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BM023833.D

Acq: 21 Nov 2019 17:31

Instrument :

BNA_M

ClientSampleId :

C0AA8

Tot Ion:168 Resp: 334257

Ion Ratio Lower Upper

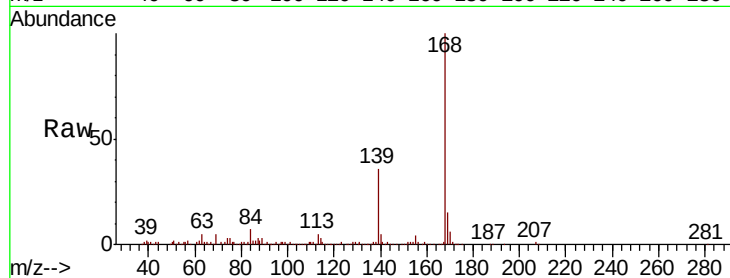
168 100

139 35.6 29.3 43.9

Manual Integrations
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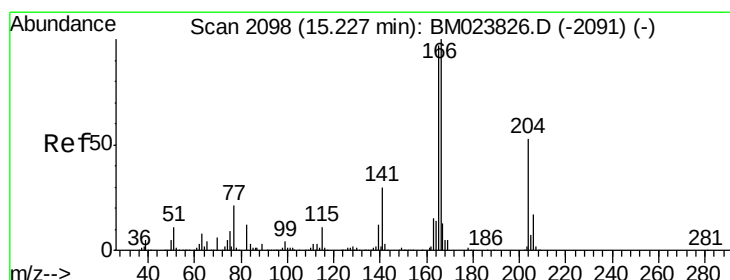
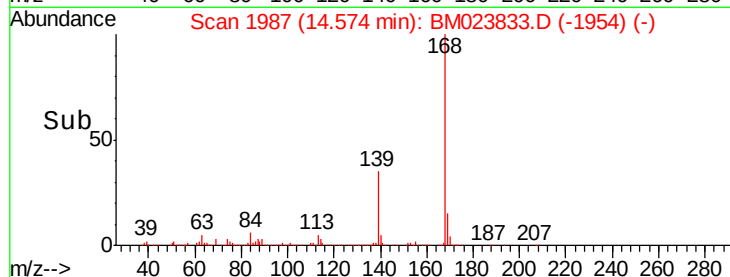
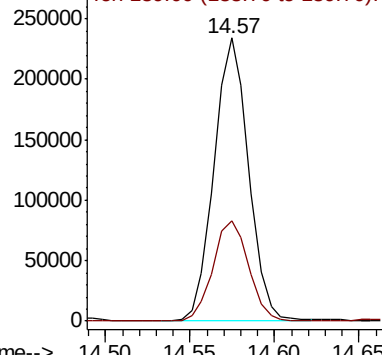
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 11.778 ng/ul

RT: 15.23 min Scan# 2098

Delta R.T. -0.01 min

Lab File: BM023833.D

Acq: 21 Nov 2019 17:31

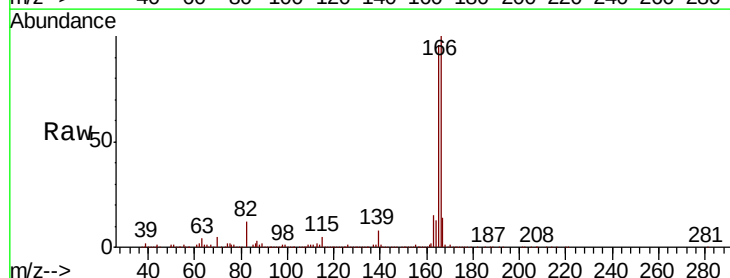
Tgt Ion:166 Resp: 746663

Ion Ratio Lower Upper

166 100

165 96.1 77.2 115.8

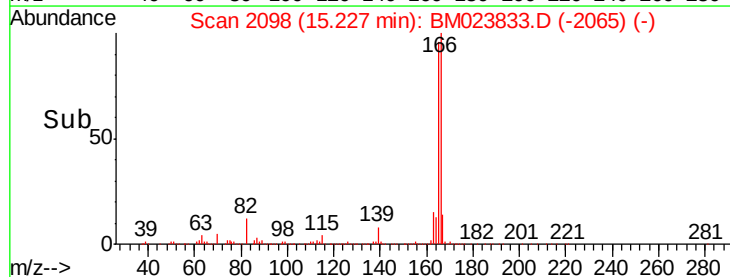
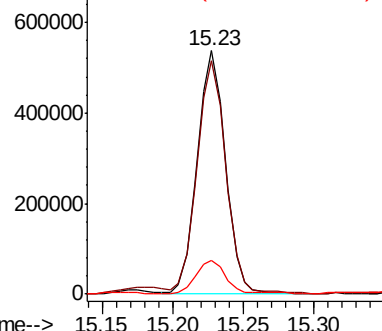
167 13.8 10.9 16.3

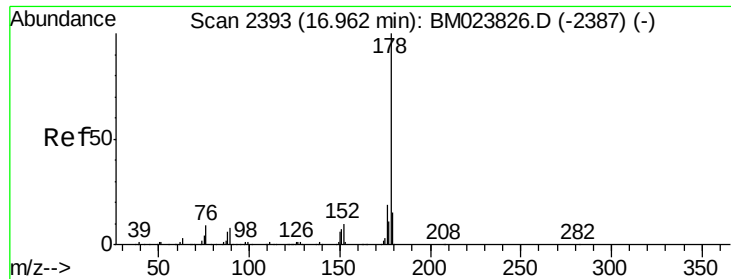


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





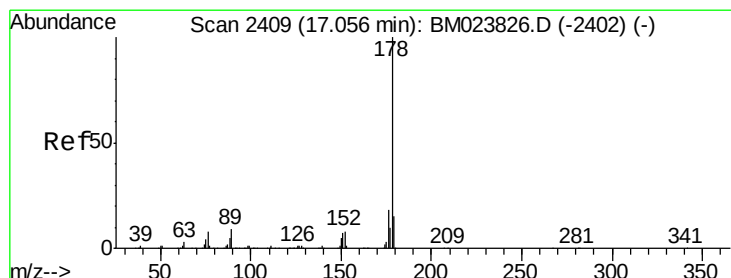
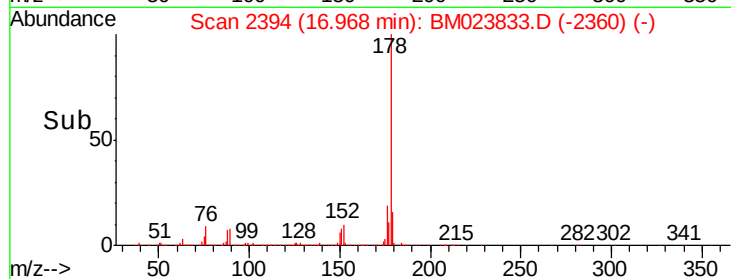
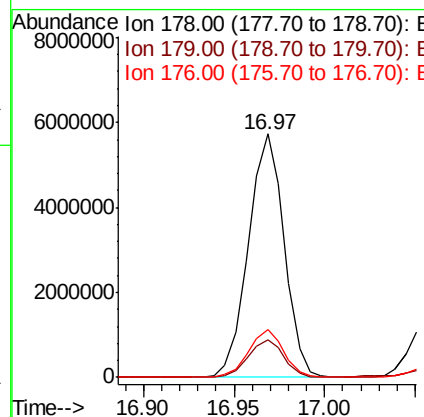
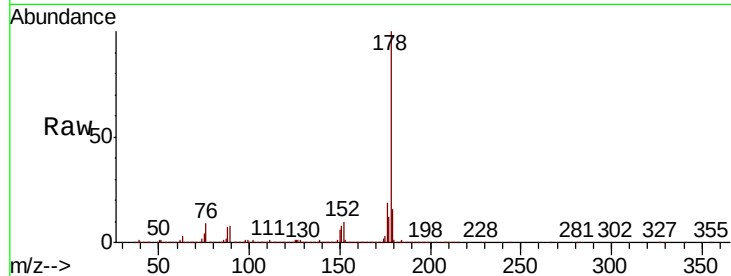
#70
Phenanthrene
Concen: 79.830 ng/ul
RT: 16.97 min Scan# 2394
Delta R.T. 0.00 min
Lab File: BM023833.D
Acq: 21 Nov 2019 17:31

Instrument :
BNA_M
ClientSampleId :
C0AA8

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	19.4	15.0	22.6

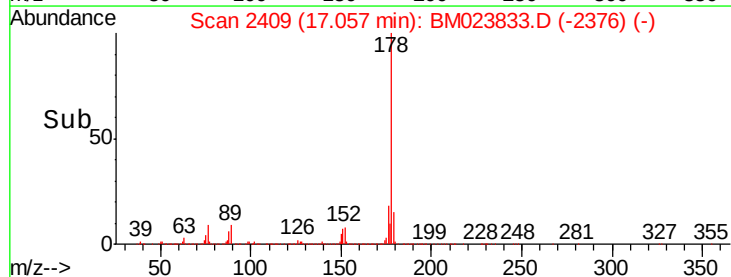
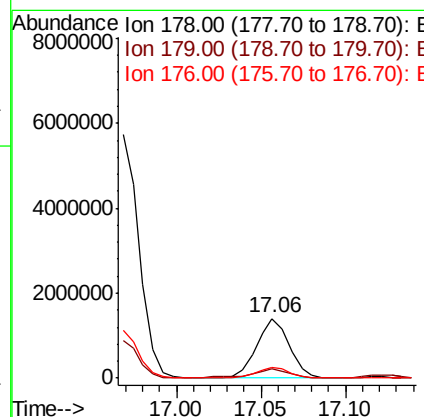
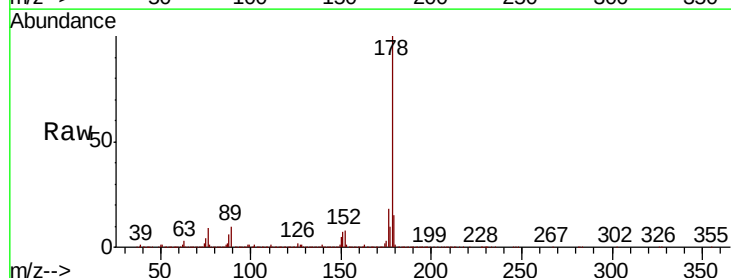
Manual Integrations
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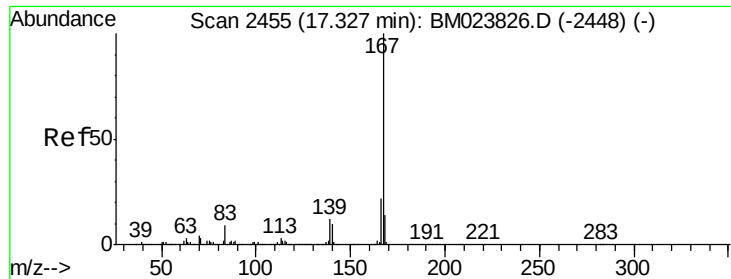
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#72
Anthracene
Concen: 19.012 ng/ul
RT: 17.06 min Scan# 2409
Delta R.T. -0.01 min
Lab File: BM023833.D
Acq: 21 Nov 2019 17:31

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.3	18.5
176	18.3	14.7	22.1





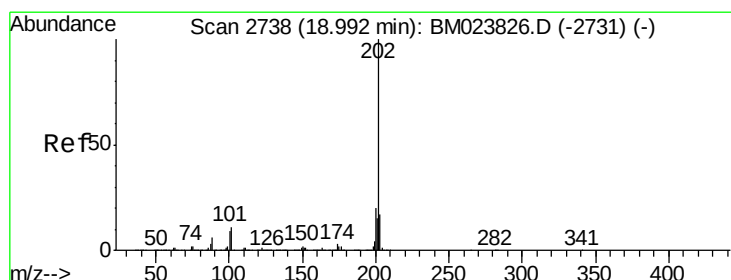
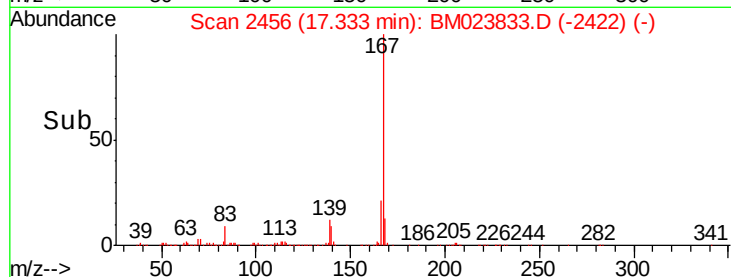
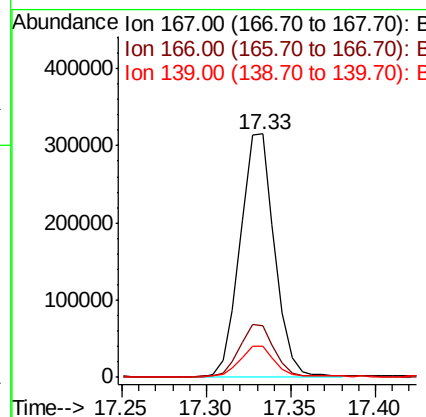
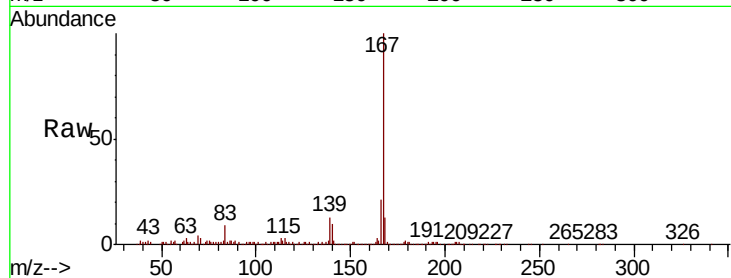
#75
 Carbazole
 Concen: 5.409 ng/ul
 RT: 17.33 min Scan# 2456
 Delta R.T. 0.00 min
 Lab File: BM023833.D
 Acq: 21 Nov 2019 17:31

Instrument :
 BNA_M
 ClientSampleId :
 C0AA8

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.8	9.8	14.6

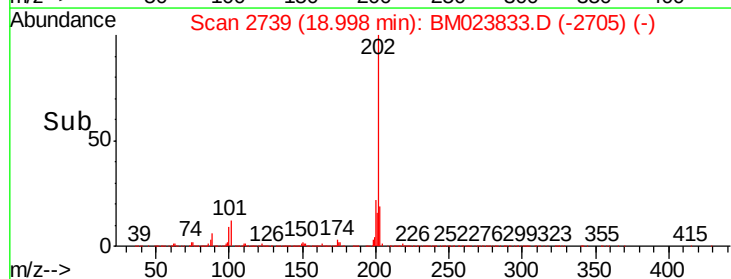
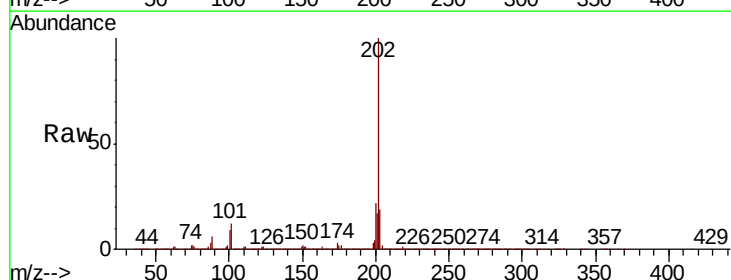
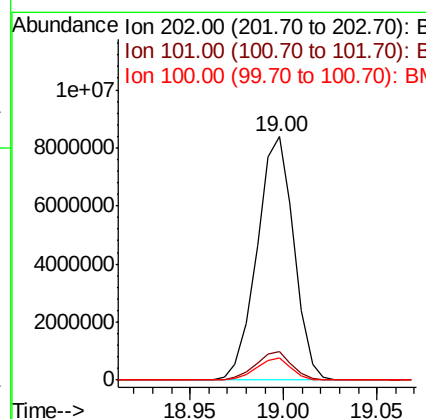
Manual Integrations
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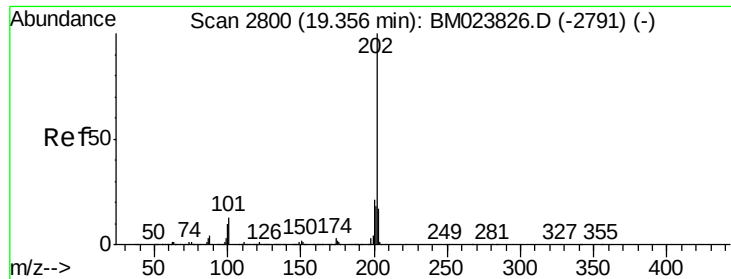
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#77
 Fluoranthene
 Concen: 108.947 ng/ul m
 RT: 19.00 min Scan# 2739
 Delta R.T. 0.00 min
 Lab File: BM023833.D
 Acq: 21 Nov 2019 17:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	7.7	11.5#
100	9.0	6.0	9.0#





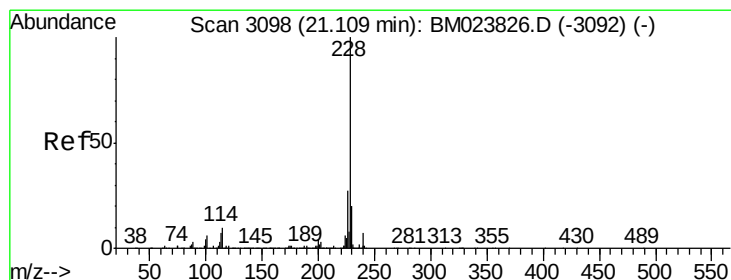
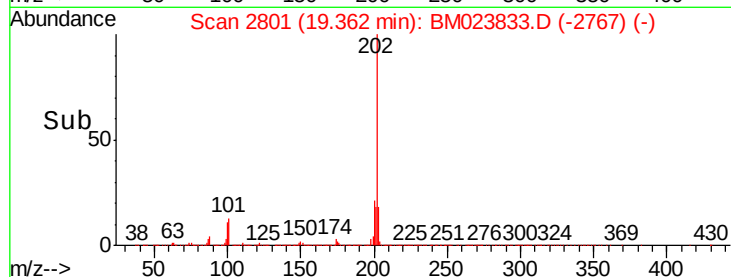
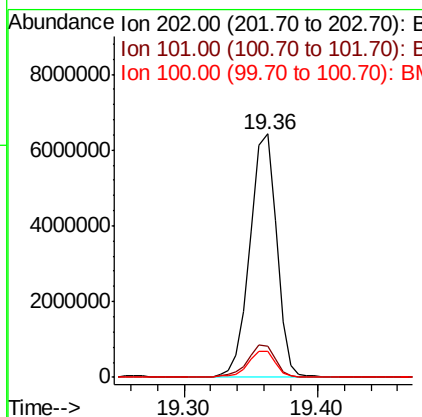
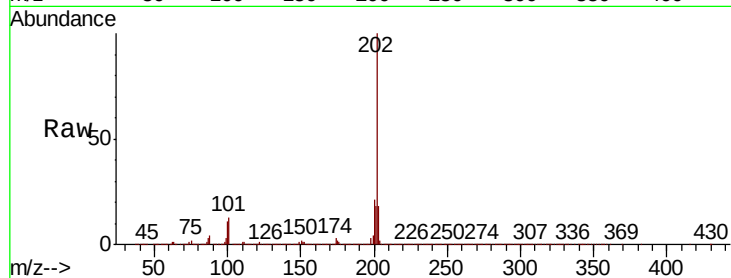
#80
Pvrene
Concen: 78.571 ng/ul
RT: 19.36 min Scan# 2801
Delta R.T. 0.00 min
Lab File: BM023833.D
Acq: 21 Nov 2019 17:31

Instrument :
BNA_M
ClientSampleId :
C0AA8

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.6	9.8	14.6
100	10.5	8.1	12.1

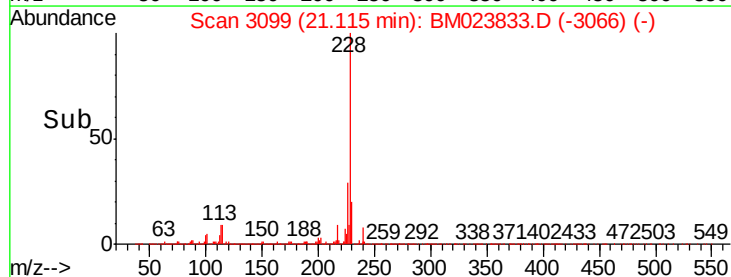
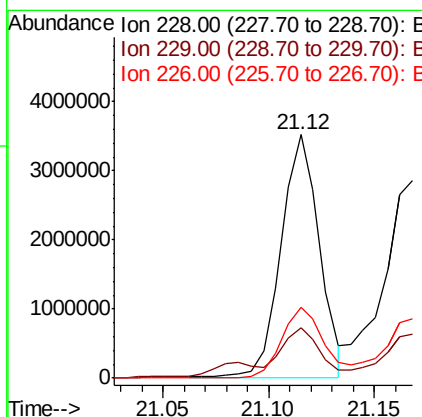
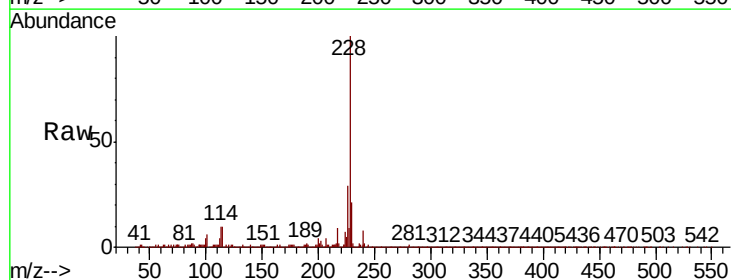
Manual Integrations
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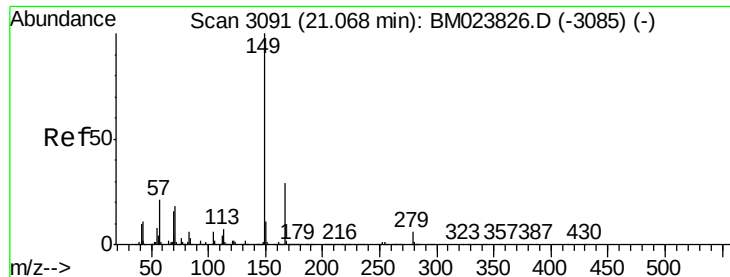
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#83
Benzo(a)anthracene
Concen: 38.661 ng/ul
RT: 21.12 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BM023833.D
Acq: 21 Nov 2019 17:31

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.6	23.4
226	28.9	21.4	32.2





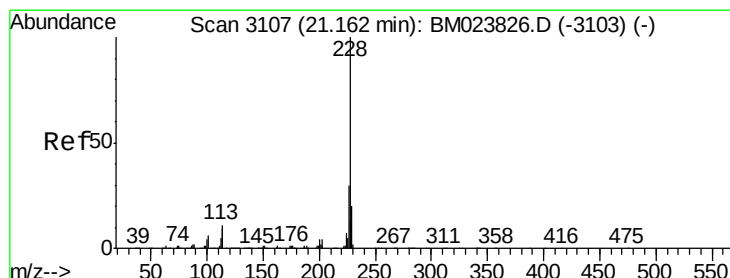
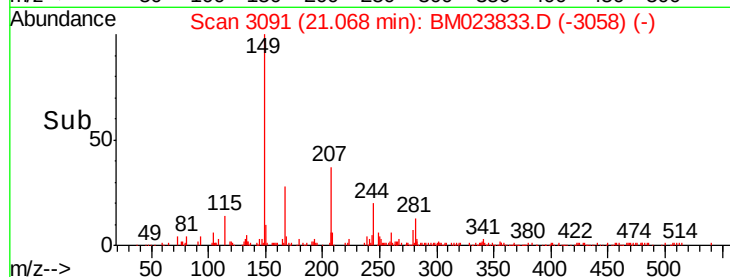
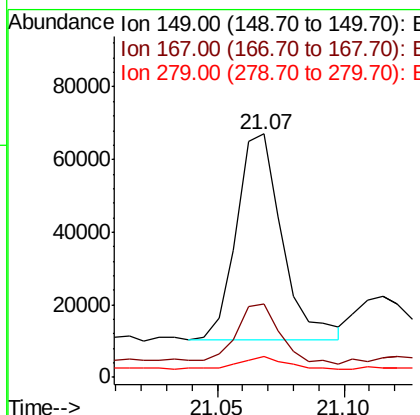
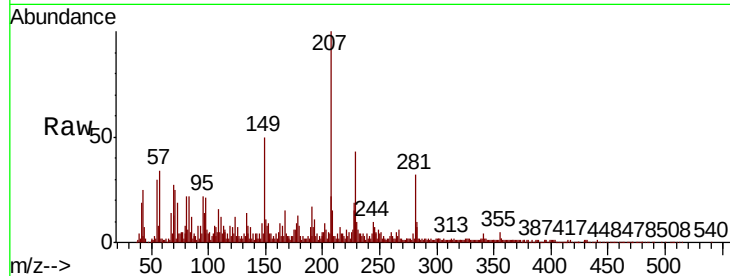
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 1.330 ng/ul
 RT: 21.07 min Scan# 3091
 Delta R.T. -0.01 min
 Lab File: BM023833.D
 Acq: 21 Nov 2019 17:31

Instrument :
 BNA_M
 ClientSampleId :
 C0AA8

Tot Ion	Ratio	Lower	Upper
149	100		
167	30.3	23.4	35.2
279	8.3	5.0	7.4

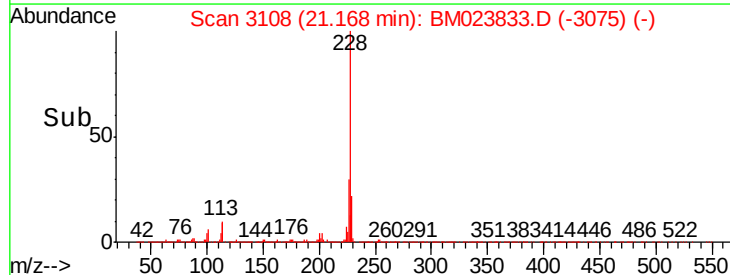
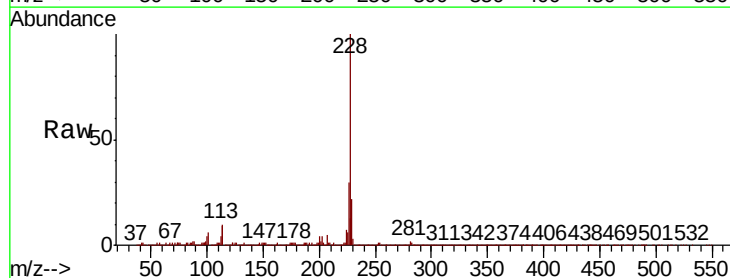
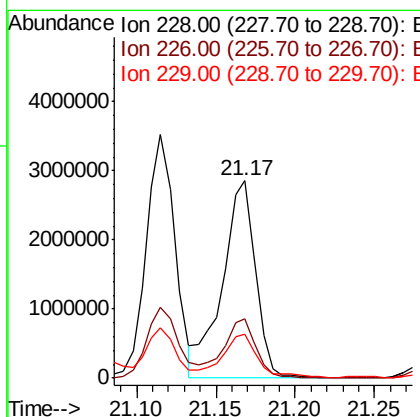
Manual Integrations
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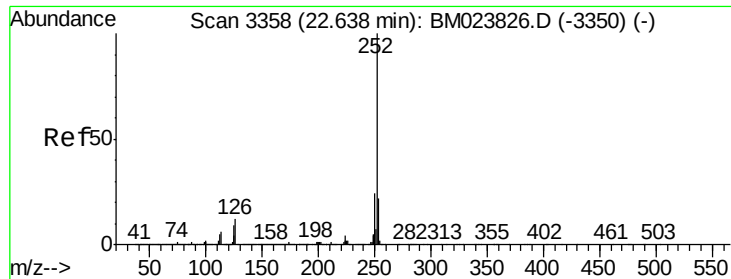
mohammad
 11/22/2019 1:22:42 PM



#85
 Chrysene
 Concen: 38.018 ng/ul
 RT: 21.17 min Scan# 3108
 Delta R.T. -0.01 min
 Lab File: BM023833.D
 Acq: 21 Nov 2019 17:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.8	35.8
229	22.4	15.8	23.6





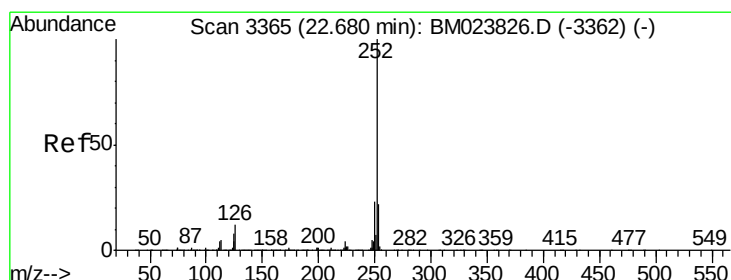
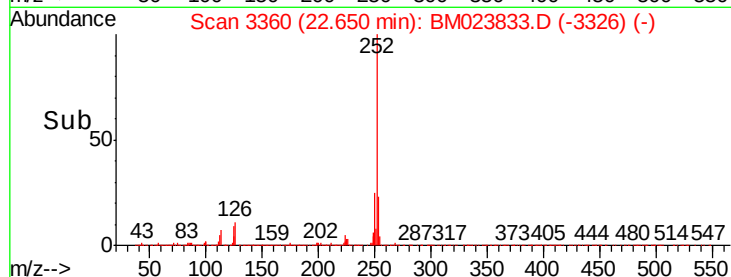
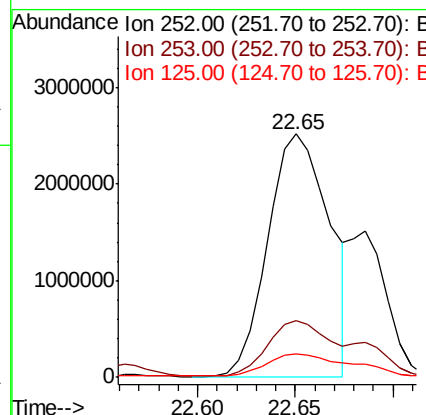
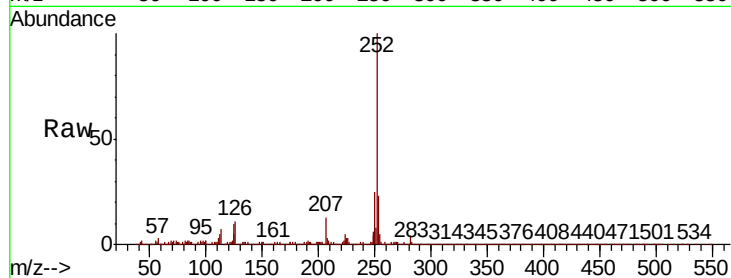
#88
Benzo(b)fluoranthene
Concen: 40.698 ng/ul
RT: 22.65 min Scan# 3360
Delta R.T. 0.00 min
Lab File: BM023833.D
Acq: 21 Nov 2019 17:31

Instrument :
BNA_M
ClientSampleId :
C0AA8

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	9.7	6.5	9.7

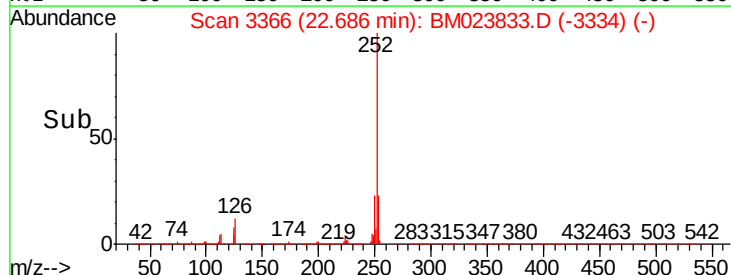
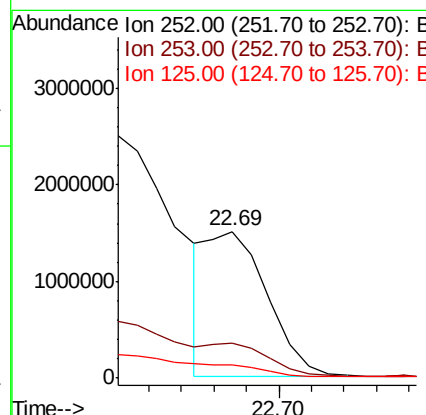
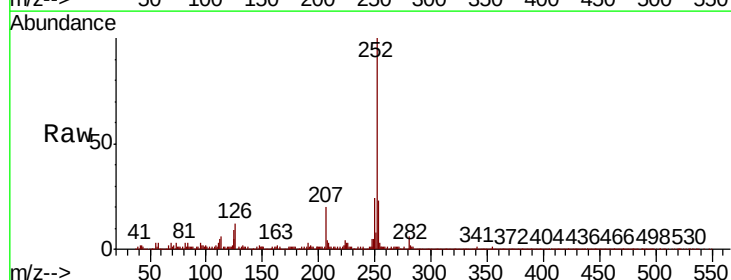
Manual Integrations
APPROVED

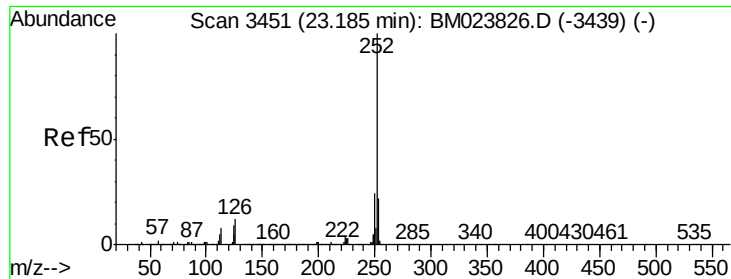
mohammad
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#89
Benzo(k)fluoranthene
Concen: 14.554 ng/ul m
RT: 22.69 min Scan# 3366
Delta R.T. -0.01 min
Lab File: BM023833.D
Acq: 21 Nov 2019 17:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.2	25.8
125	9.4	5.9	8.9#





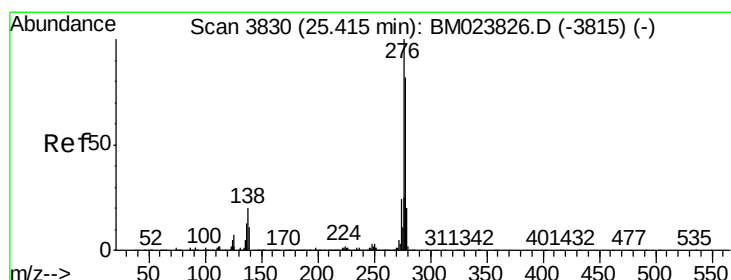
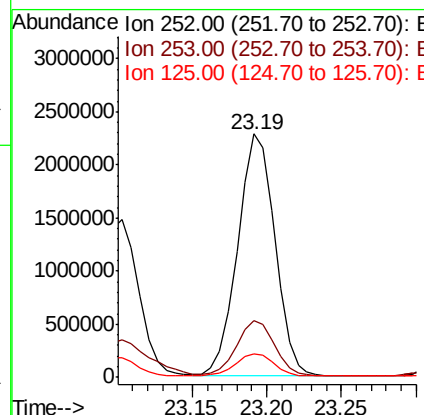
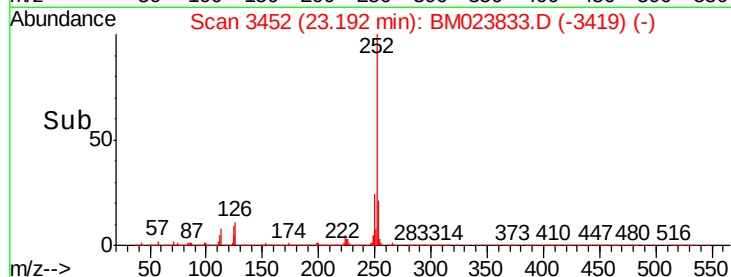
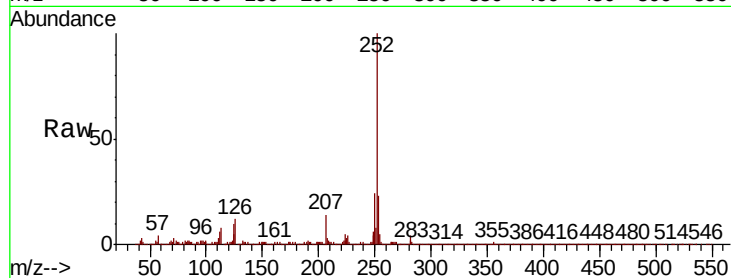
#91
Benzo(a)pyrene
Concen: 31.928 ng/ul
RT: 23.19 min Scan# 3452
Delta R.T. -0.01 min
Lab File: BM023833.D
Acq: 21 Nov 2019 17:31

Instrument :
BNA_M
ClientSampleId :
C0AA8

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	9.8	6.9	10.3

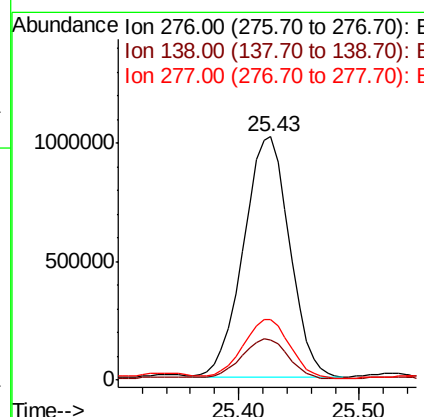
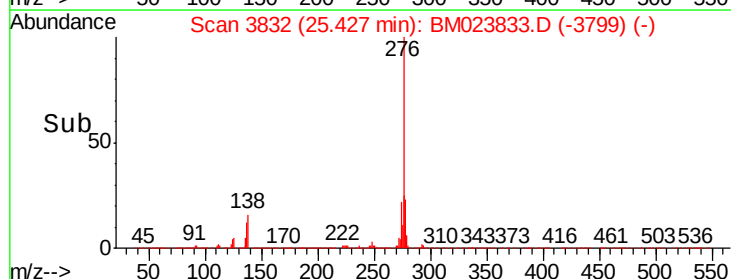
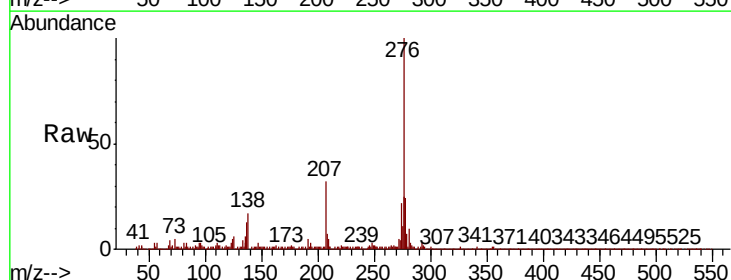
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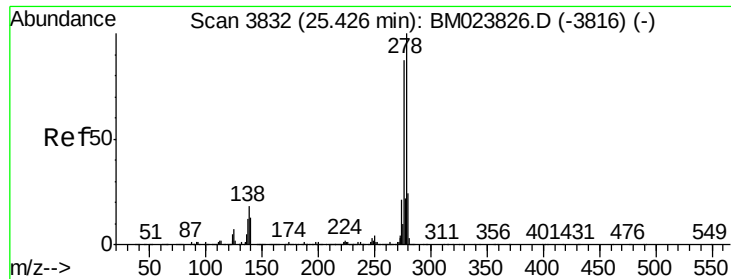
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#92
Indeno(1,2,3-cd)pyrene
Concen: 20.536 ng/ul
RT: 25.43 min Scan# 3832
Delta R.T. -0.01 min
Lab File: BM023833.D
Acq: 21 Nov 2019 17:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.7	15.0	22.4
277	25.1	20.0	30.0





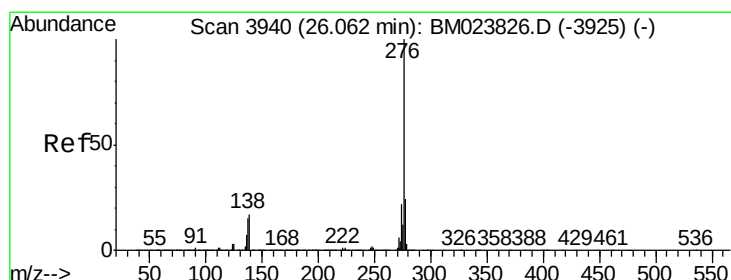
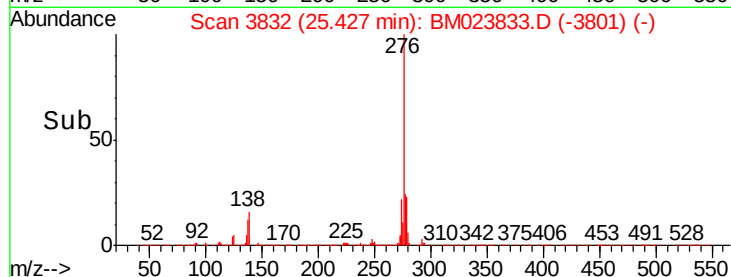
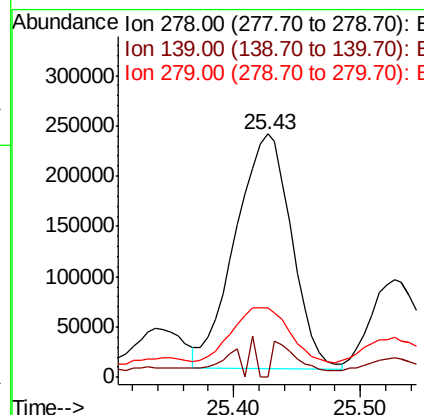
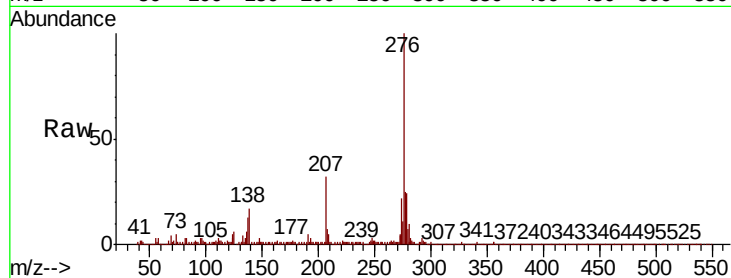
#93
Dibenzo(a,h)anthracene
Concen: 6.404 ng/ul
RT: 25.43 min Scan# 3832
Delta R.T. -0.02 min
Lab File: BM023833.D
Acq: 21 Nov 2019 17:31

Instrument :
BNA_M
ClientSampleId :
C0AA8

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	10.0	15.0#
279	28.7	19.0	28.6#

Manual Integrations
APPROVED

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11/22/2019 1:22:42 PM



#94
Benzo(g,h,i)perylene
Concen: 23.986 ng/ul
RT: 26.07 min Scan# 3942
Delta R.T. -0.01 min
Lab File: BM023833.D
Acq: 21 Nov 2019 17:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.5	13.2	19.8
277	24.7	18.6	28.0

