

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120419\
 Data File : BM024000.D
 Acq On : 04 Dec 2019 14:13
 Operator : JU
 Sample : K4649-01DL 20X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 A5167DL

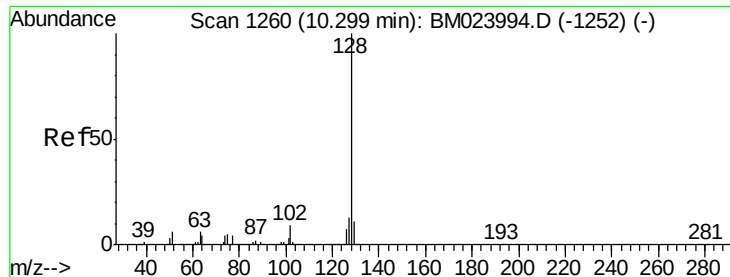
Manual Integrations
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mohammad
 12/5/2019 10:49:54 AM

Quant Time: Dec 04 15:18:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 04 13:35:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	351084	20.00	ng/ul	0.00
18) Naphthalene-d8	10.25	136	1471848	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.14	164	920363	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.90	188	1895600	20.00	ng/ul	0.00
78) Chrysene-d12	21.11	240	1833778	20.00	ng/ul	0.00
86) Perylene-d12	23.25	264	2264735	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.03	96	522	0.07	ng/uL	0.00
5) Phenol-d5	6.68	99	38749	1.26	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.84	67	25755	1.44	ng/ul	0.01
9) 2-Chlorophenol-d4	7.02	132	32059	1.35	ng/ul	0.00
13) 4-Methylphenol-d8	8.21	113	28992	1.19	ng/ul	0.01
19) Nitrobenzene-d5	8.65	128	13819	1.21	ng/ul	0.01
22) 2-Nitrophenol-d4	9.36	143	13953	1.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.90	165	28201	1.15	ng/ul	0.02
29) 4-Chloroaniline-d4	10.42	131	18141	0.67	ng/ul	0.02
44) Dimethylphthalate-d6	13.56	166	104676	1.46	ng/ul	0.00
47) Acenaphthylene-d8	13.83	160	116935	1.40	ng/ul	0.00
52) 4-Nitrophenol-d4	14.41	143	6260m	0.52	ng/ul	0.03
58) Fluorene-d10	15.14	176	95484	1.59	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.29	200	3954	0.33	ng/ul	0.00
71) Anthracene-d10	16.99	188	148421	1.64	ng/ul	0.00
79) Pyrene-d10	19.30	212	160435	1.69	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.12	264	184644	1.54	ng/ul	0.00
Target Compounds						
28) Naphthalene	10.30	128	305611	3.939	ng/ul	99
34) 2-Methylnaphthalene	11.93	142	78400	1.391	ng/ul	98
35) 1-Methylnaphthalene	12.15	142	56876	1.028	ng/ul	98
50) Acenaphthene	14.20	153	630865	10.478	ng/ul	99
54) Dibenzofuran	14.55	168	396110	4.650	ng/ul	96
59) Fluorene	15.20	166	600288	8.737	ng/ul	98
70) Phenanthrene	16.94	178	10900734	101.794	ng/ul	98
72) Anthracene	17.03	178	2667525	24.535	ng/ul	99
75) Carbazole	17.30	167	1206998	12.821	ng/ul	99
77) Fluoranthene	18.97	202	13606497	118.481	ng/ul#	93
80) Pyrene	19.33	202	12762607	103.295	ng/ul	99
83) Benzo(a)anthracene	21.10	228	6708582	54.732	ng/ul	98
85) Chrysene	21.14	228	5982960	51.979	ng/ul	96
88) Benzo(b)fluoranthene	22.63	252	7983493	57.002	ng/ul	98
89) Benzo(k)fluoranthene	22.66	252	2713371m	20.408	ng/ul	
91) Benzo(a)pyrene	23.17	252	6051577	45.698	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.38	276	3828693	23.284	ng/ul	97
93) Dibenzo(a,h)anthracene	25.38	278	1028958m	7.450	ng/ul	
94) Benzo(g,h,i)perylene	26.03	276	2978601	21.629	ng/ul	100

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



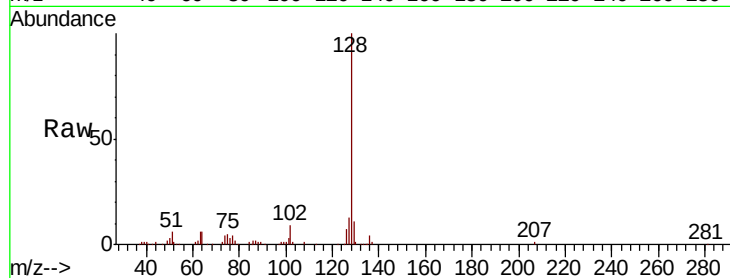
#28
Naphthalene
Concen: 3.939 ng/ul
RT: 10.30 min Scan# 1260
Delta R.T. -0.00 min
Lab File: BM024000.D
Acq: 04 Dec 2019 14:13

Instrument :
BNA_M
ClientSampleId :
A5167DL

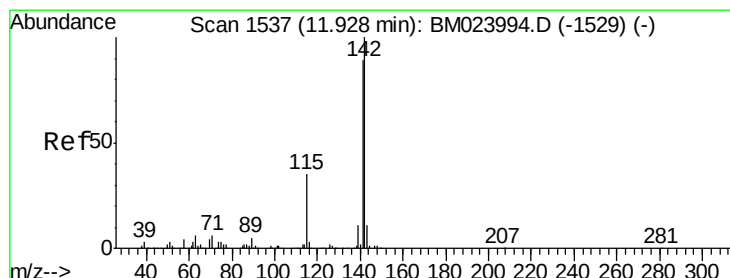
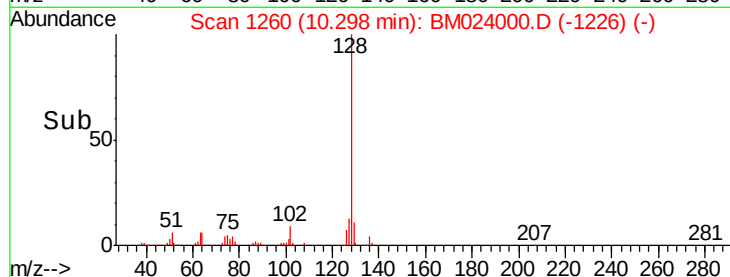
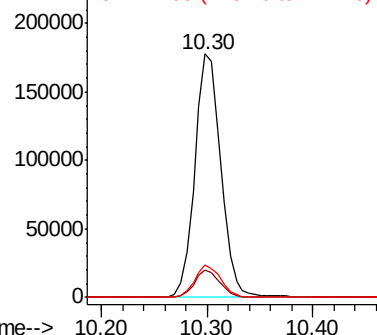
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	13.3	10.5	15.7

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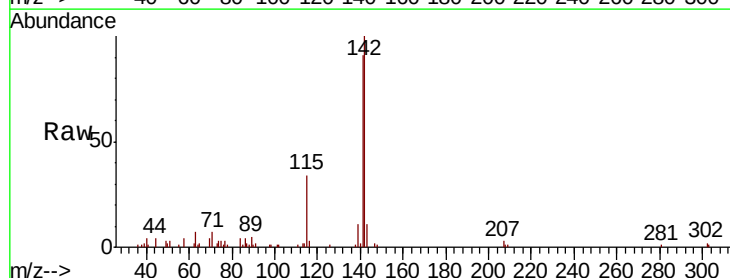


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

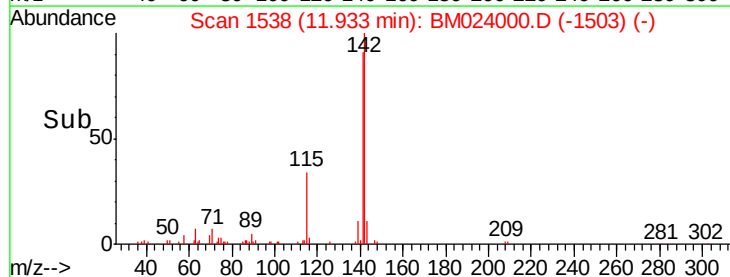
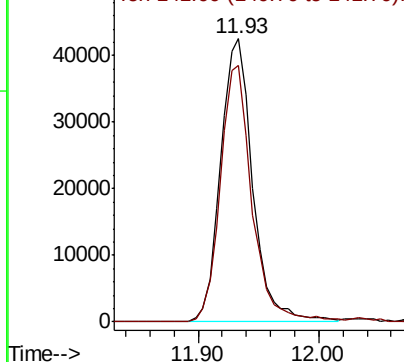


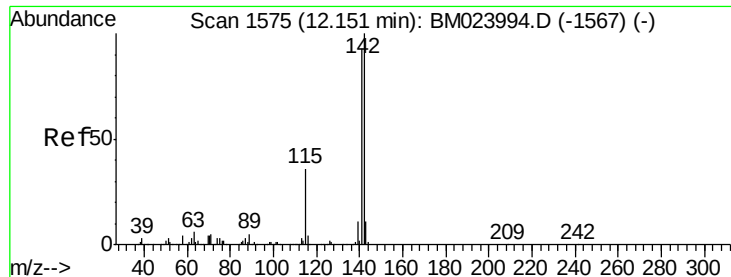
#34
2-Methylnaphthalene
Concen: 1.391 ng/ul
RT: 11.93 min Scan# 1538
Delta R.T. 0.01 min
Lab File: BM024000.D
Acq: 04 Dec 2019 14:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.7	71.3	106.9



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





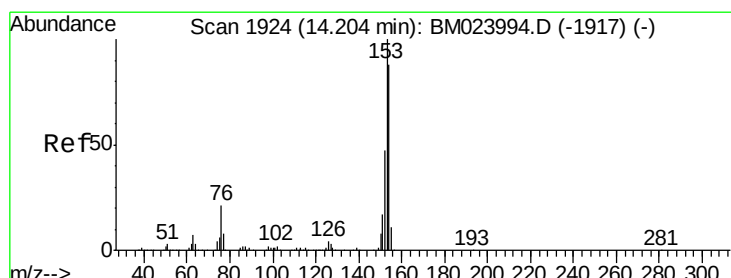
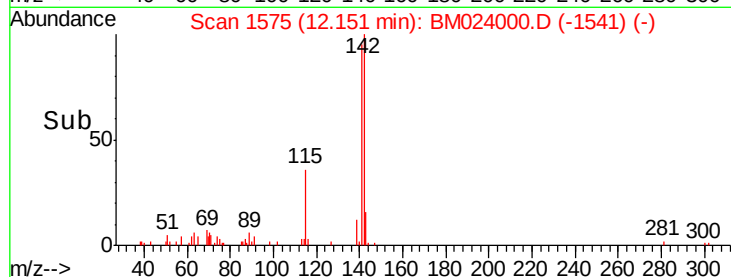
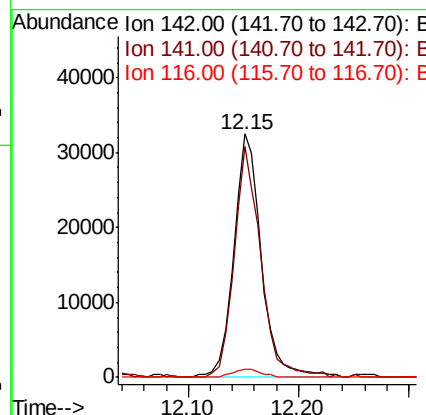
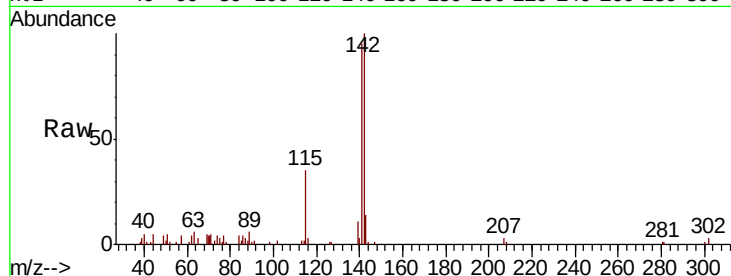
#35
 1-Methylnaphthalene
 Concen: 1.028 ng/ul
 RT: 12.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: BM024000.D
 Acq: 04 Dec 2019 14:13

Instrument :
 BNA_M
 ClientSampleId :
 A5167DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	94.6	74.2	111.4
116	3.5	3.0	4.4

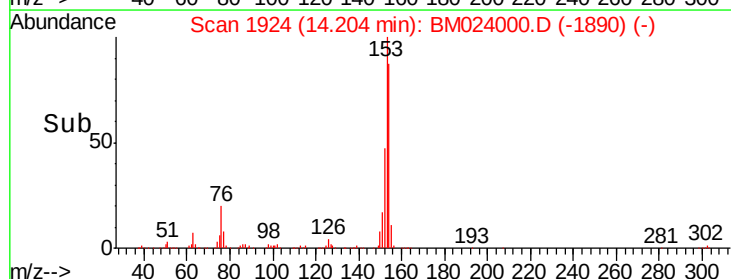
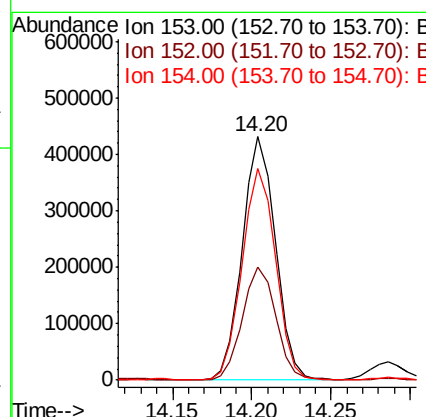
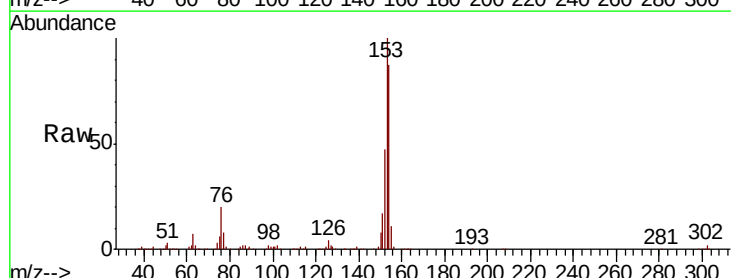
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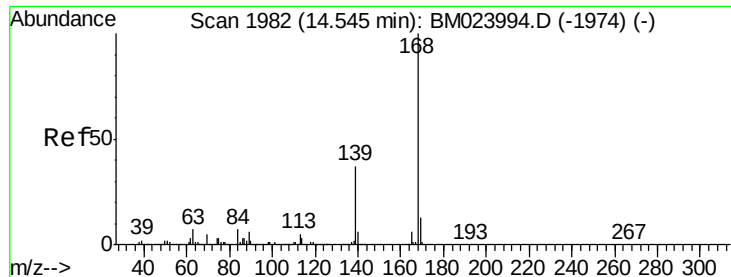
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#50
 Acenaphthene
 Concen: 10.478 ng/ul
 RT: 14.20 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: BM024000.D
 Acq: 04 Dec 2019 14:13

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.7	37.5	56.3
154	86.8	70.7	106.1





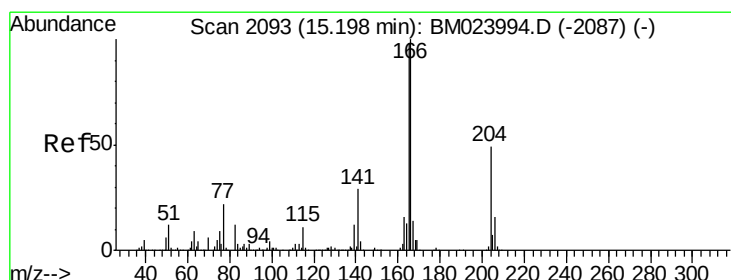
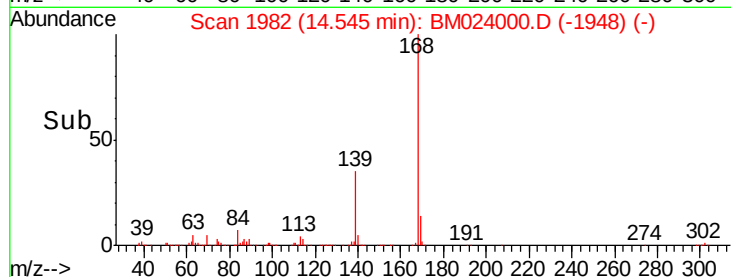
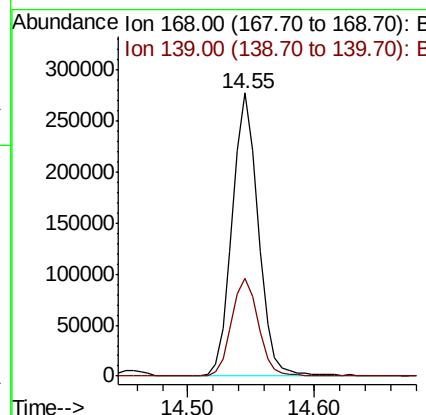
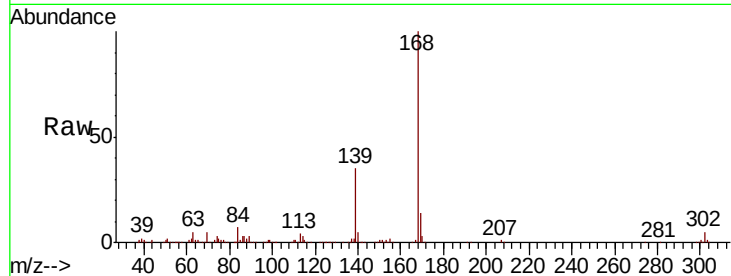
#54
Dibenzenofuran
Concen: 4.650 ng/ul
RT: 14.55 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BM024000.D
Acq: 04 Dec 2019 14:13

Instrument :
BNA_M
ClientSampleId :
A5167DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	34.6	29.4	44.0

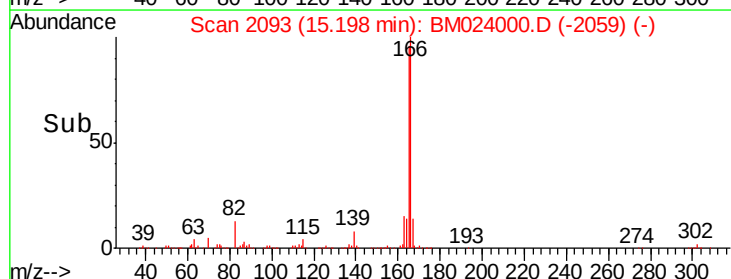
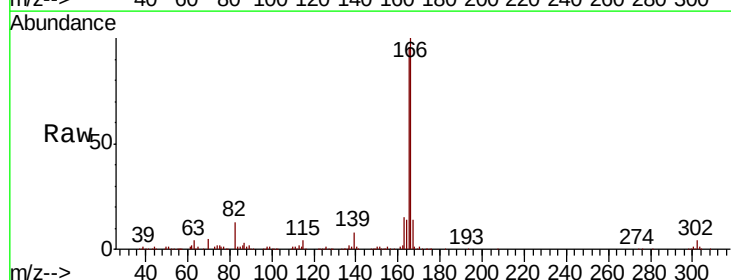
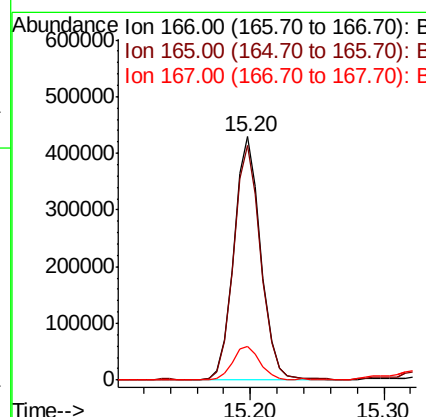
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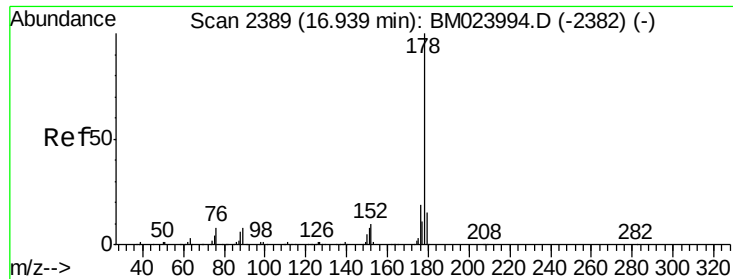
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#59
Fluorene
Concen: 8.737 ng/ul
RT: 15.20 min Scan# 2093
Delta R.T. -0.00 min
Lab File: BM024000.D
Acq: 04 Dec 2019 14:13

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.2	78.6	118.0
167	13.9	11.1	16.7





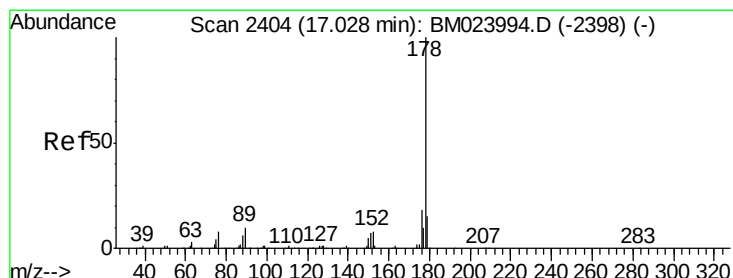
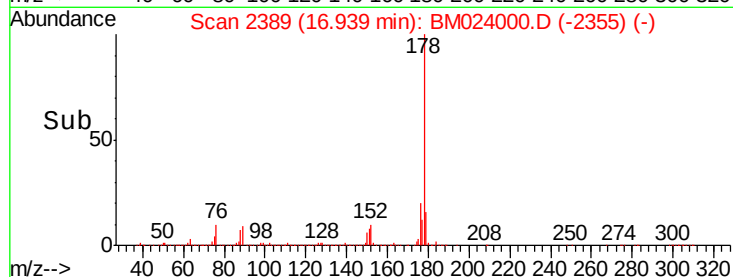
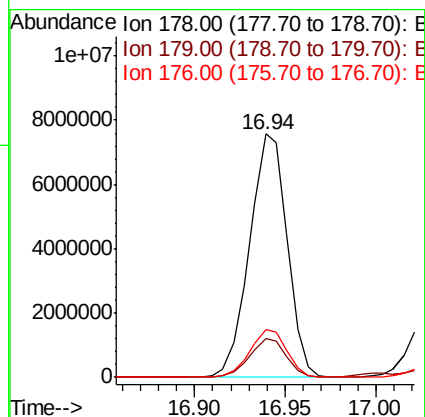
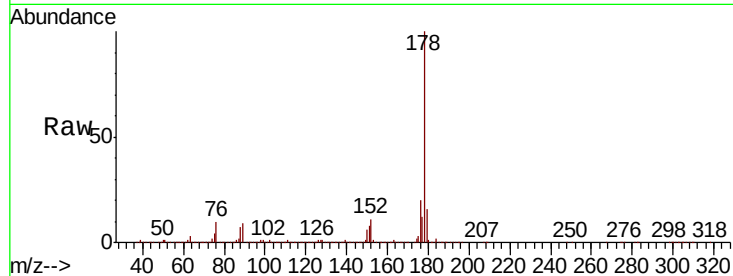
#70
Phenanthrene
Concen: 101.794 ng/ul
RT: 16.94 min Scan# 2389
Delta R.T. -0.00 min
Lab File: BM024000.D
Acq: 04 Dec 2019 14:13

Instrument :
BNA_M
ClientSampleId :
A5167DL

Tot Ion:178 Resp:10900734
Ion Ratio Lower Upper
178 100
179 15.8 12.0 18.0
176 19.6 15.1 22.7

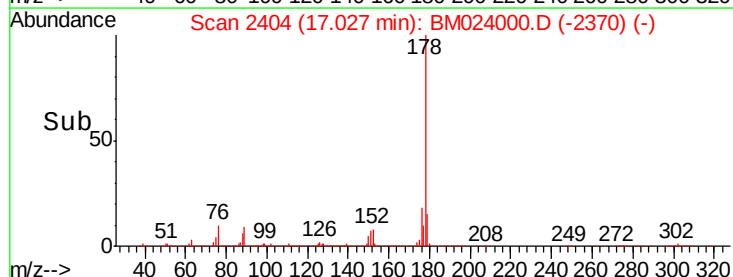
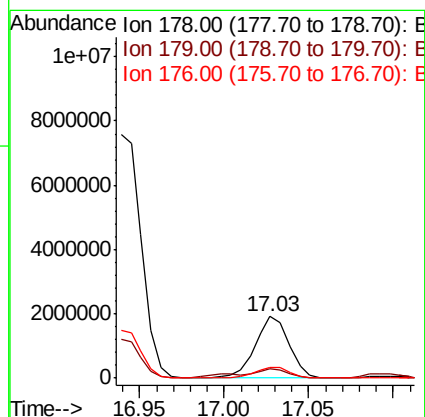
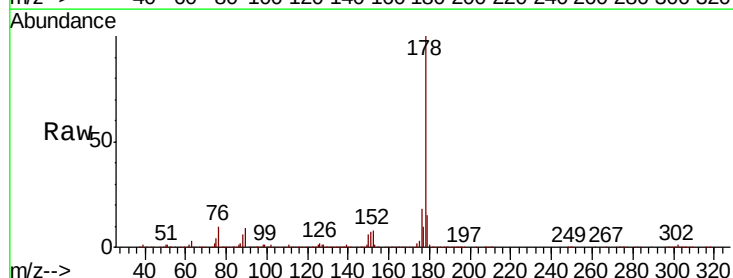
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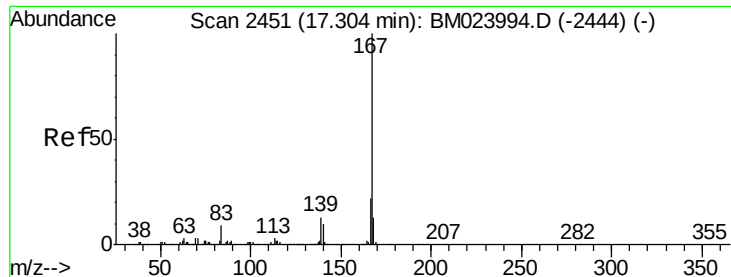
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#72
Anthracene
Concen: 24.535 ng/ul
RT: 17.03 min Scan# 2404
Delta R.T. -0.00 min
Lab File: BM024000.D
Acq: 04 Dec 2019 14:13

Tgt Ion:178 Resp: 2667525
Ion Ratio Lower Upper
178 100
179 15.2 11.9 17.9
176 18.0 14.7 22.1





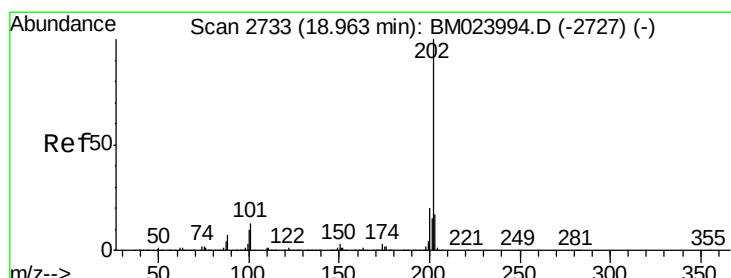
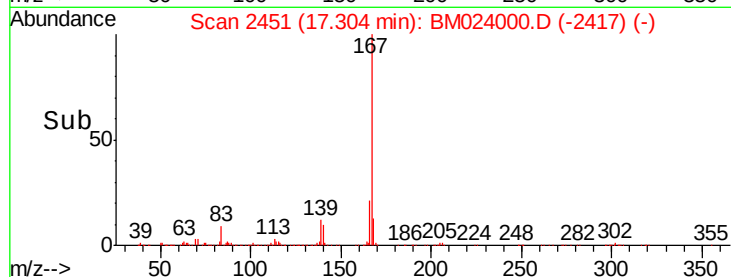
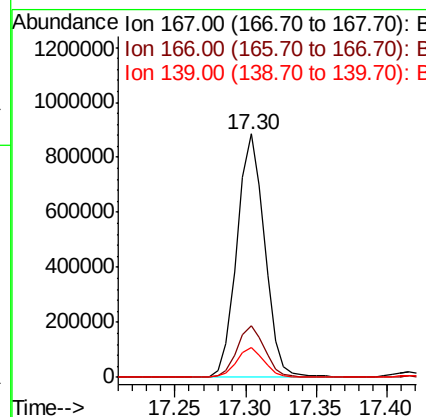
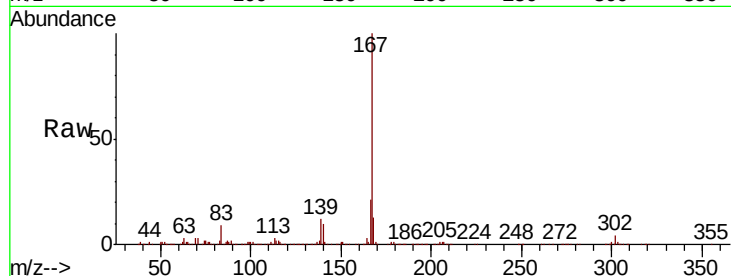
#75
 Carbazole
 Concen: 12.821 ng/ul
 RT: 17.30 min Scan# 2451
 Delta R.T. -0.00 min
 Lab File: BM024000.D
 Acq: 04 Dec 2019 14:13

Instrument :
 BNA_M
 ClientSampleID :
 A5167DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.4	26.0
139	12.3	10.2	15.2

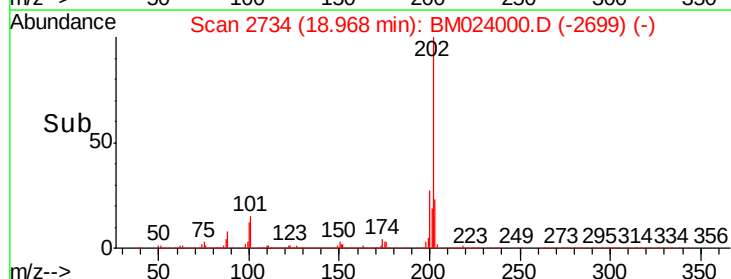
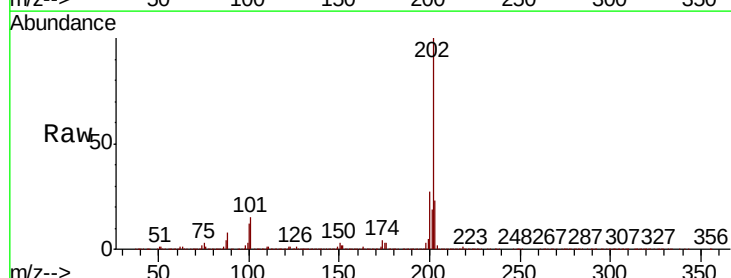
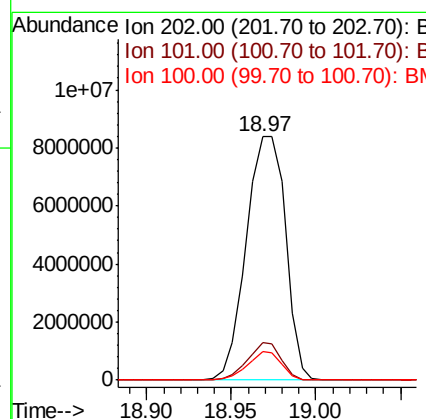
Manual Integrations
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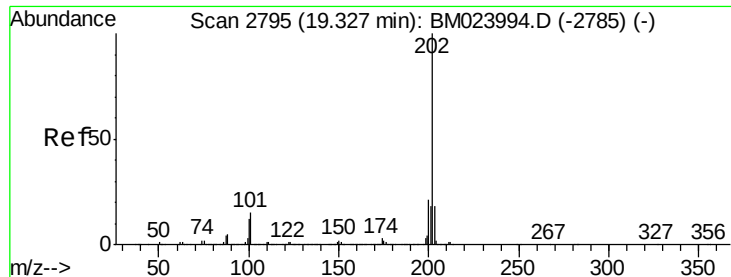
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#77
 Fluoranthene
 Concen: 118.481 ng/ul
 RT: 18.97 min Scan# 2734
 Delta R.T. 0.01 min
 Lab File: BM024000.D
 Acq: 04 Dec 2019 14:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.4	10.1	15.1#
100	11.8	7.8	11.6#





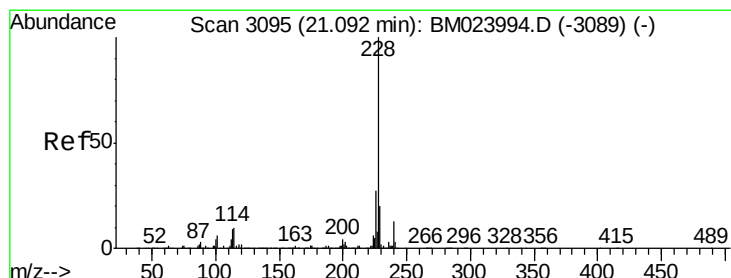
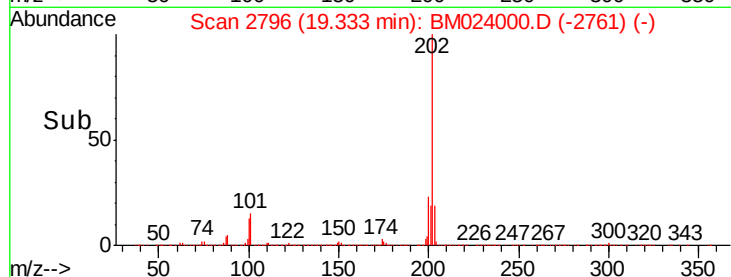
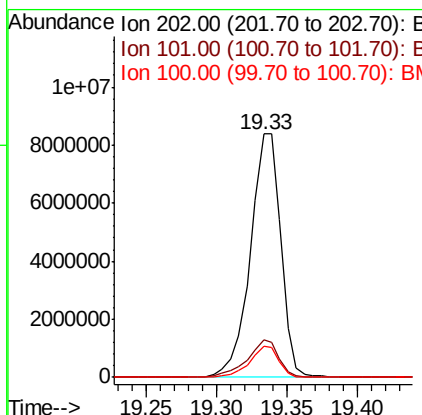
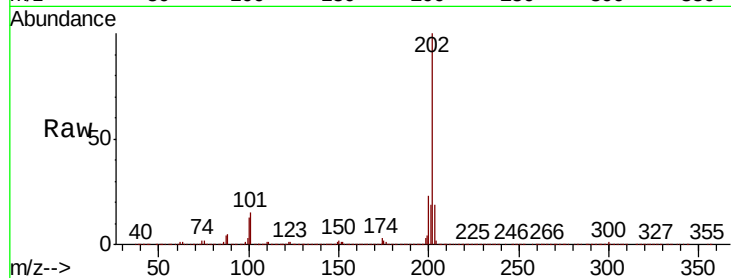
#80
Pvrene
Concen: 103.295 ng/ul
RT: 19.33 min Scan# 2796
Delta R.T. 0.01 min
Lab File: BM024000.D
Acq: 04 Dec 2019 14:13

Instrument :
BNA_M
ClientSampled :
A5167DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	15.2	11.8	17.6
100	12.7	9.8	14.6

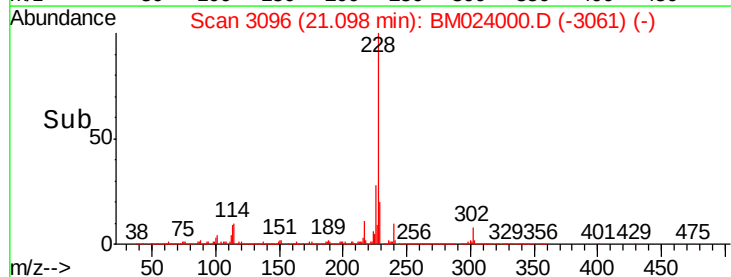
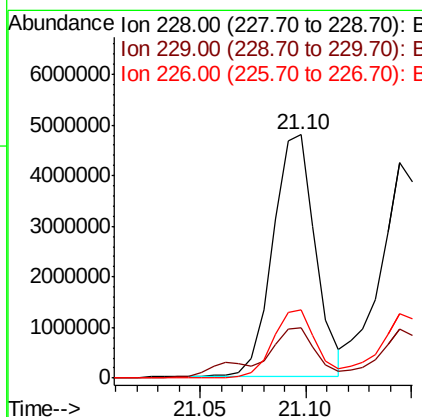
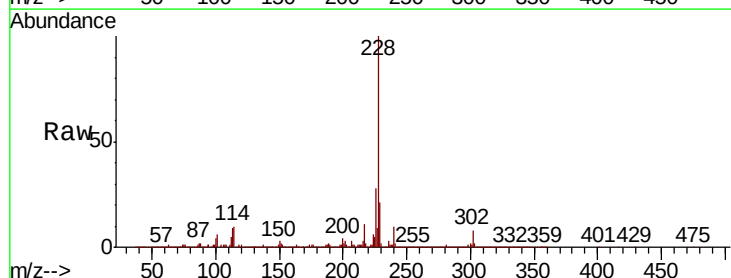
Manual Integrations
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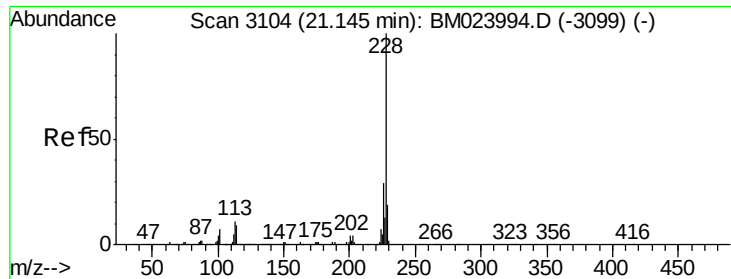
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#83
Benzo(a)anthracene
Concen: 54.732 ng/ul
RT: 21.10 min Scan# 3096
Delta R.T. 0.01 min
Lab File: BM024000.D
Acq: 04 Dec 2019 14:13

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.6	23.4
226	27.8	21.4	32.0





#85

Chrysene

Concen: 51.979 ng/ul

RT: 21.14 min Scan# 3104

Delta R.T. -0.00 min

Lab File: BM024000.D

Acq: 04 Dec 2019 14:13

Instrument :

BNA_M

ClientSampleId :

A5167DL

Tot Ion:228 Resp: 5982960

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.4	35.2
229	22.5	15.3	22.9

228 100

226 29.8 23.4 35.2

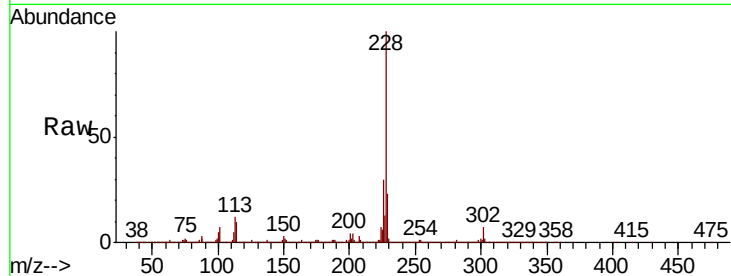
229 22.5 15.3 22.9

Manual Integrations

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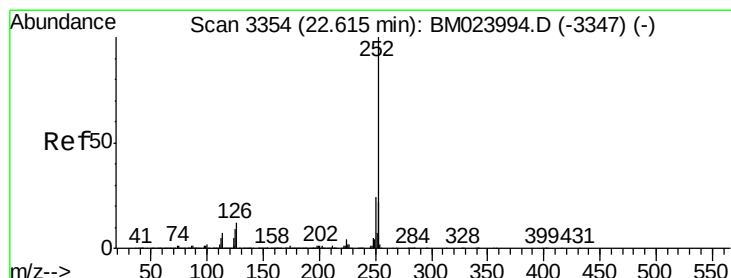
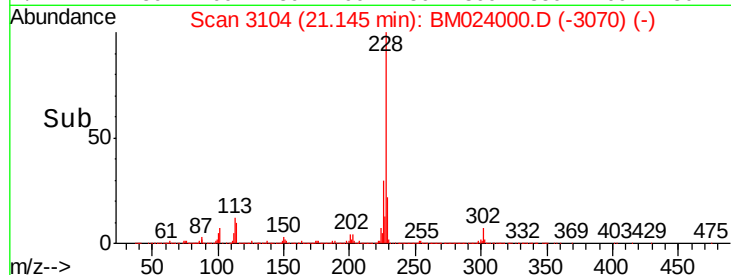
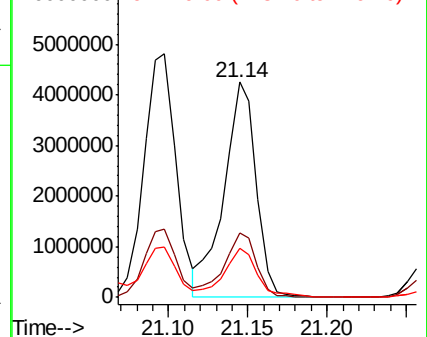


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 57.002 ng/ul

RT: 22.63 min Scan# 3356

Delta R.T. 0.01 min

Lab File: BM024000.D

Acq: 04 Dec 2019 14:13

Tgt Ion:252 Resp: 7983493

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	10.1	7.4	11.2

252 100

253 22.9 17.4 26.0

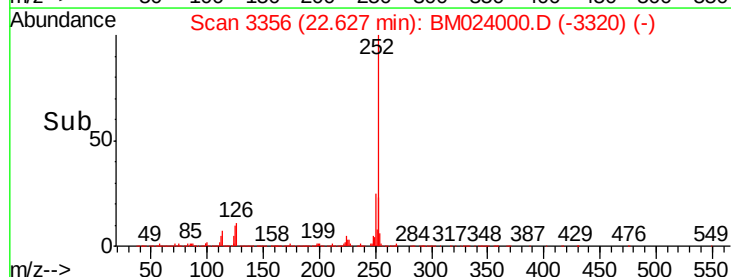
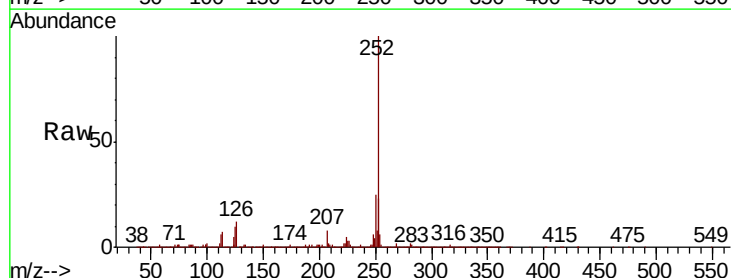
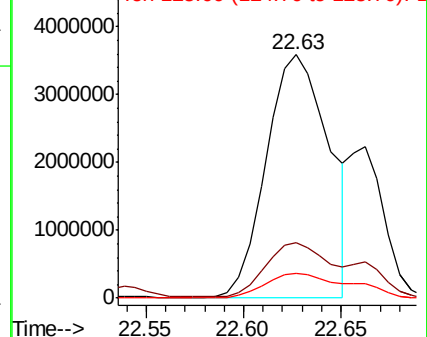
125 10.1 7.4 11.2

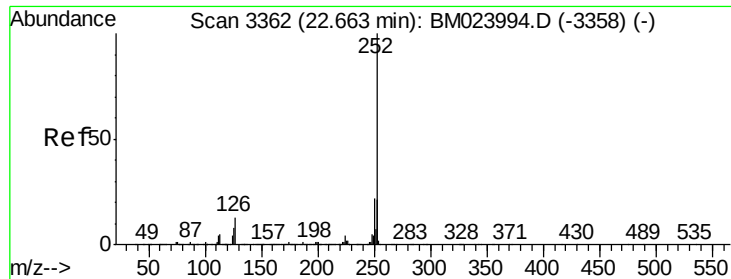
Abundance

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





#89

Benzo(k)fluoranthene

Concen: 20.408 ng/ul m

RT: 22.66 min Scan# 3362

Delta R.T. -0.00 min

Lab File: BM024000.D

Acq: 04 Dec 2019 14:13

Instrument :

BNA_M

ClientSampleId :

A5167DL

Tot Ion:252 Resp: 2713371

Ion Ratio Lower Upper

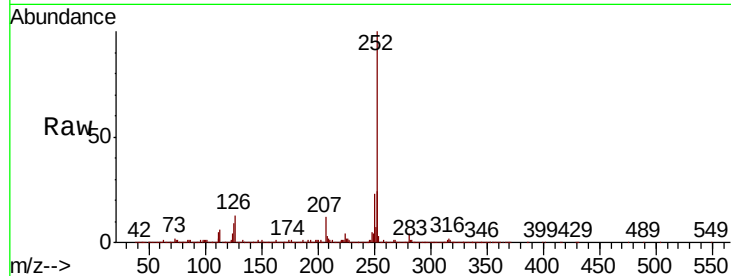
252 100

253 23.5 17.2 25.8

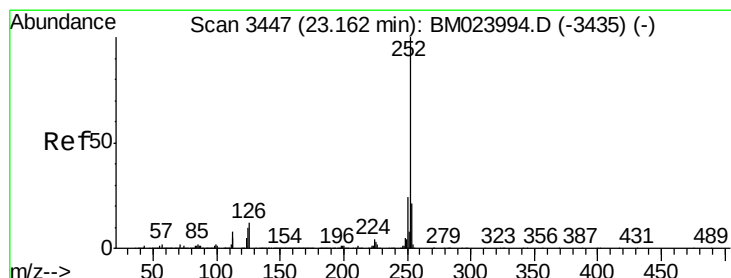
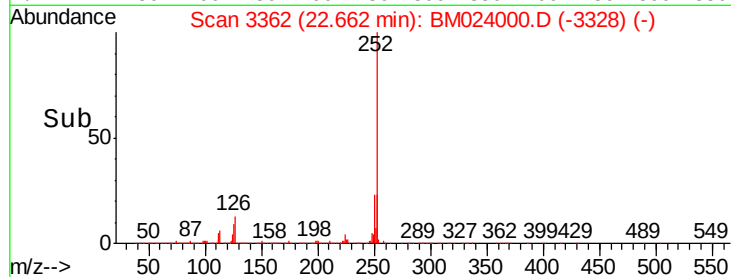
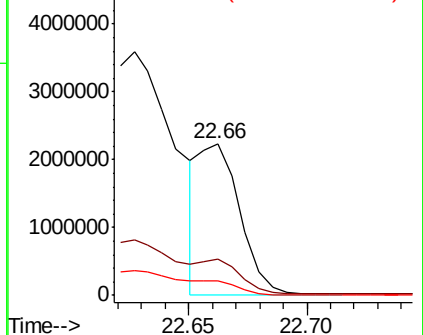
125 9.3 7.0 10.4

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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: 45.698 ng/ul

RT: 23.17 min Scan# 3448

Delta R.T. 0.01 min

Lab File: BM024000.D

Acq: 04 Dec 2019 14:13

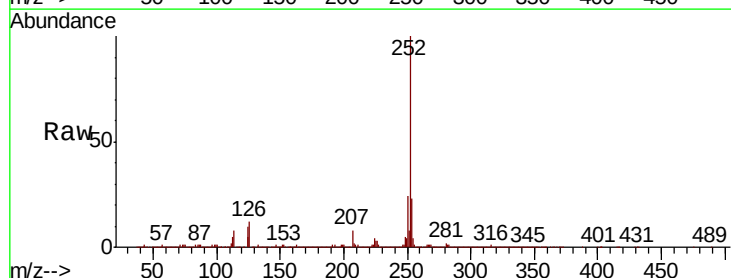
Tgt Ion:252 Resp: 6051577

Ion Ratio Lower Upper

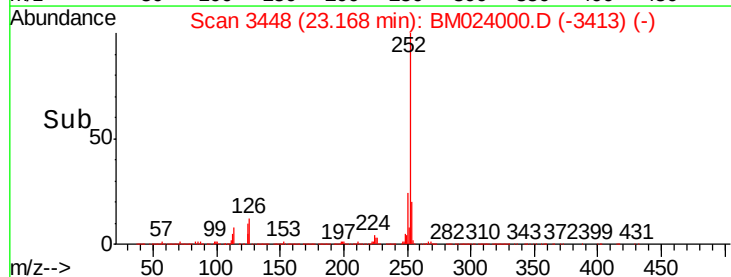
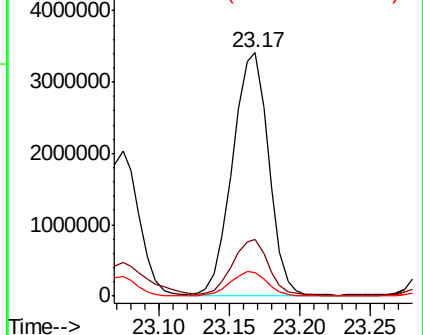
252 100

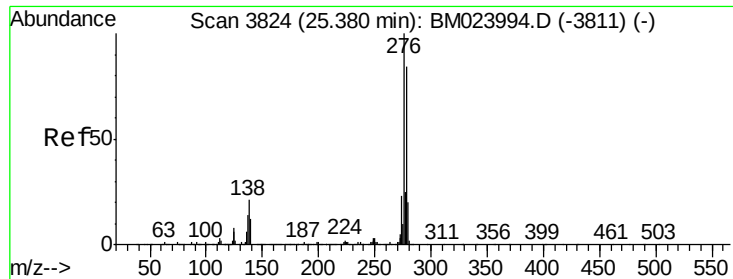
253 23.2 17.2 25.8

125 9.8 7.8 11.6



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





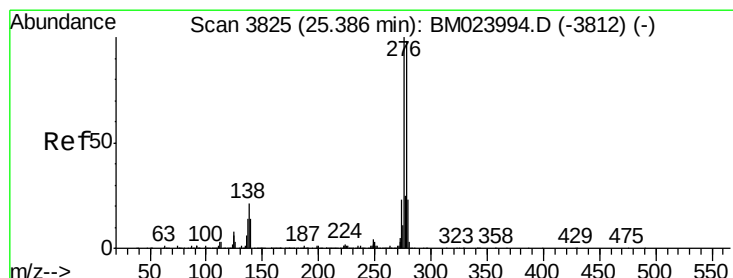
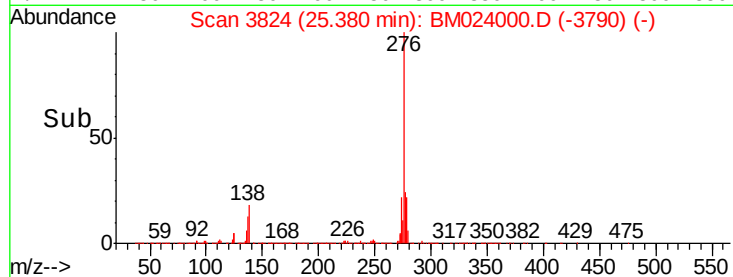
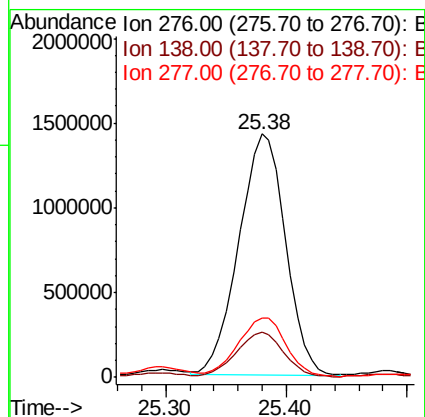
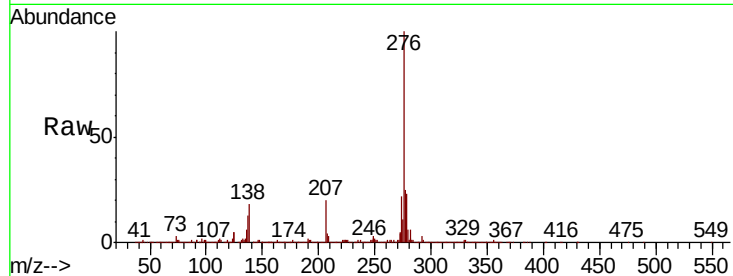
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 23.284 ng/ul
 RT: 25.38 min Scan# 3824
 Delta R.T. -0.00 min
 Lab File: BM024000.D
 Acq: 04 Dec 2019 14:13

Instrument :
 BNA_M
 ClientSampleId :
 A5167DL

Tot Ion:276 Resp: 3828693
 Ion Ratio Lower Upper
 276 100
 138 18.4 17.0 25.6
 277 24.6 19.8 29.8

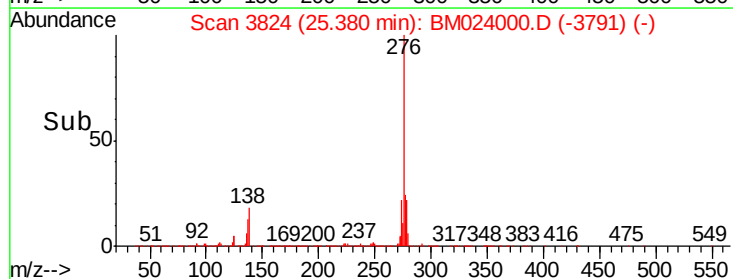
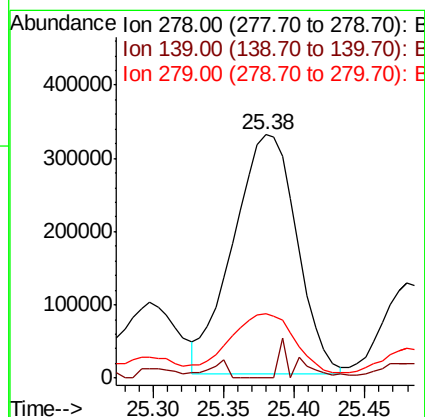
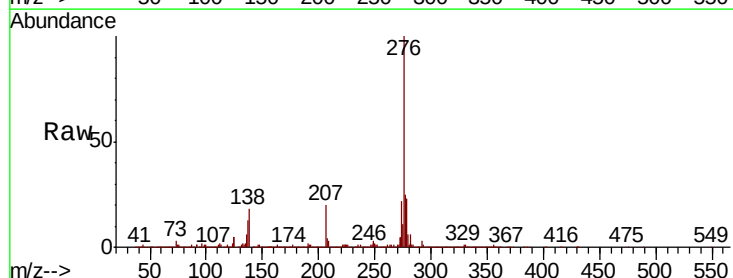
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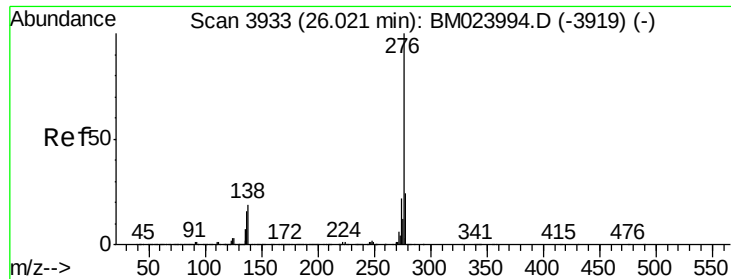
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#93
 Dibenzo(a,h)anthracene
 Concen: 7.450 ng/ul m
 RT: 25.38 min Scan# 3824
 Delta R.T. -0.01 min
 Lab File: BM024000.D
 Acq: 04 Dec 2019 14:13

Tgt Ion:278 Resp: 1028958
 Ion Ratio Lower Upper
 278 100
 139 0.0 11.6 17.4#
 279 26.7 19.1 28.7





#94

Benzo(a,h,i)perylene

Concen: 21.629 ng/ul

RT: 26.03 min Scan# 3935

Delta R.T. 0.01 min

Lab File: BM024000.D

Acq: 04 Dec 2019 14:13

Instrument :

BNA_M

ClientSampleId :

A5167DL

Tot Ion: 276 Resp: 2978601

Ion Ratio Lower Upper

276 100

138 18.4 14.9 22.3

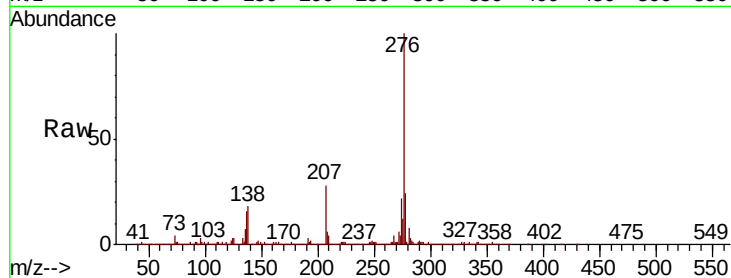
277 24.2 19.1 28.7

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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

