

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032020\
 Data File : BM025661.D
 Acq On : 20 Mar 2020 14:35
 Operator : CG/JU
 Sample : L1972-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B0AH1

Quant Time: Mar 24 03:50:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031420MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 20 11:44:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	180703	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	767278	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.22	164	472995	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.96	188	963843	20.00	ng/ul	0.00
78) Chrysene-d12	21.16	240	960869	20.00	ng/ul	0.00
86) Perylene-d12	23.32	264	1169558	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	19111	4.44	ng/uL	0.00
5) Phenol-d5	6.76	99	456727	32.02	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	258418	31.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	381928	33.00	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	361403	30.84	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	189882	33.30	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	211299	34.85	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.97	165	403459	32.54	ng/ul	0.00
29) 4-Chloroaniline-d4	10.48	131	431515	29.97	ng/ul	0.00
44) Dimethylphthalate-d6	13.63	166	1136369	31.61	ng/ul	0.00
47) Acenaphthylene-d8	13.90	160	1429027	33.18	ng/ul	0.00
52) 4-Nitrophenol-d4	14.42	143	188363	27.52	ng/ul	0.00
58) Fluorene-d10	15.22	176	1007586	31.93	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.34	200	122453	20.82	ng/ul	0.00
71) Anthracene-d10	17.06	188	1494203	33.19	ng/ul	0.00
79) Pyrene-d10	19.36	212	1585615	34.36	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.19	264	1951016	32.58	ng/ul	0.02

Target Compounds

					Ovalue
6) Phenol	6.79	94	18368	1.233	ng/ul 97
28) Naphthalene	10.39	128	73178	1.751	ng/ul 98
34) 2-Methylnaphthalene	12.02	142	35029	1.174	ng/ul 97
45) Dimethylphthalate	13.68	163	111092	2.969	ng/ul 99
48) Acenaphthylene	13.93	152	525639	11.269	ng/ul 100
50) Acenaphthene	14.28	153	254899	8.039	ng/ul 99
54) Dibenzofuran	14.62	168	153354	3.409	ng/ul 94
59) Fluorene	15.27	166	337821	8.928	ng/ul 97
70) Phenanthrene	17.01	178	7513036	132.427	ng/ul 100
72) Anthracene	17.10	178	1889251	32.675	ng/ul 100
75) Carbazole	17.36	167	337469	6.679	ng/ul 98
77) Fluoranthene	19.03	202	14096632	210.796	ng/ul 96
80) Pyrene	19.40	202	12995892	201.384	ng/ul 96
83) Benzo(a)anthracene	21.15	228	6969452	110.016	ng/ul 93
84) Bis(2-ethylhexyl)phthalate	21.10	149	205095	5.380	ng/ul 99
85) Chrysene	21.20	228	6498443	104.554	ng/ul 97
88) Benzo(b)fluoranthene	22.69	252	9397477	128.779	ng/ul 98
89) Benzo(k)fluoranthene	22.73	252	3152990	43.860	ng/ul 97
91) Benzo(a)pyrene	23.24	252	6817843	102.665	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	25.47	276	4950551	56.448	ng/ul 96
93) Dibenzo(a,h)anthracene	25.47	278	1225738	16.505	ng/ul# 85
94) Benzo(a,h,i)perylene	26.12	276	3533631	48.888	ng/ul 98

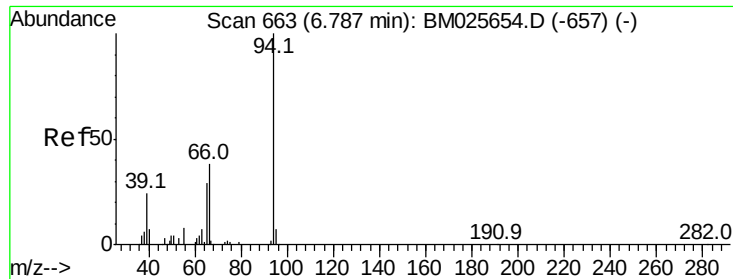
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032020\
Data File : BM025661.D
Acq On : 20 Mar 2020 14:35
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ALS Vial : 9 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



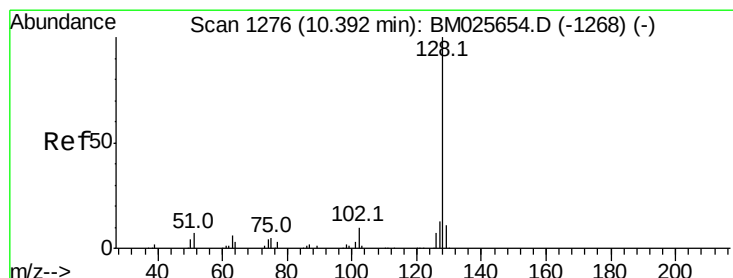
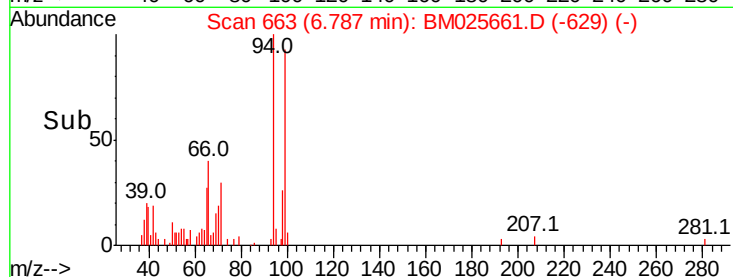
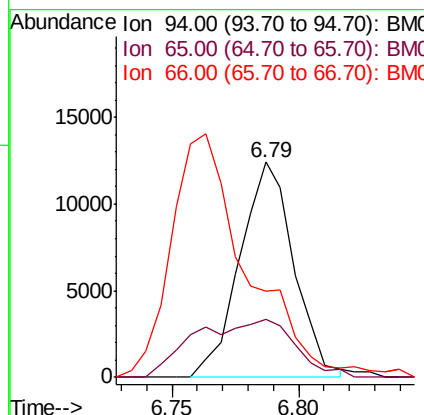
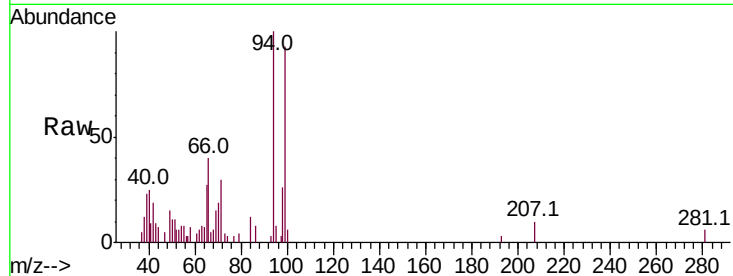
#6

Phenol

Concen: 1.233 ng/ul
 RT: 6.79 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: BM025661.D
 Acq: 20 Mar 2020 14:35

Instrument :
 BNA_M
 ClientSampleId :
 B0AH1

Tot Ion	Ratio	Lower	Upper
94	100		
65	26.8	23.8	35.6
66	39.8	32.4	48.6

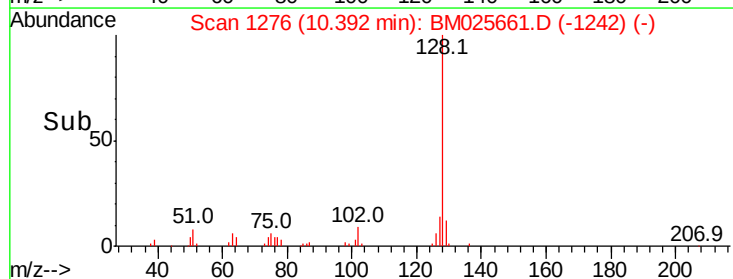
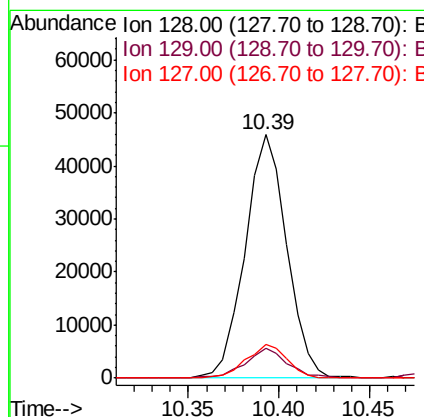
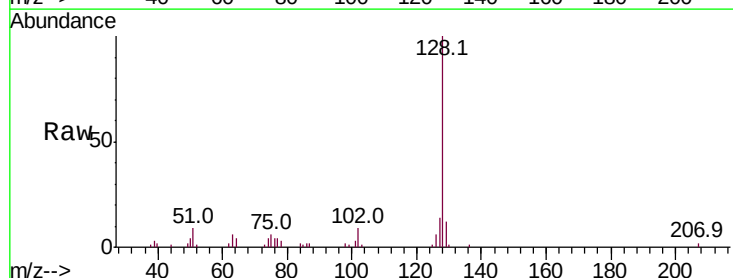


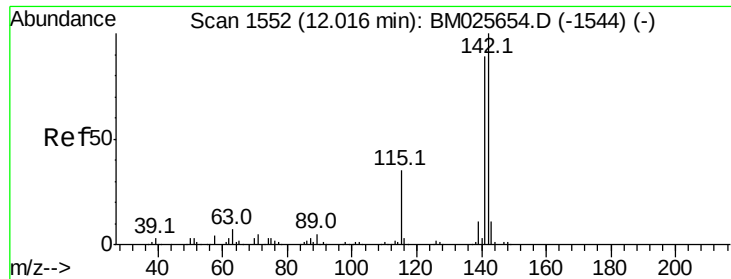
#28

Naphthalene

Concen: 1.751 ng/ul
 RT: 10.39 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: BM025661.D
 Acq: 20 Mar 2020 14:35

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.6	12.8
127	13.8	10.6	15.8

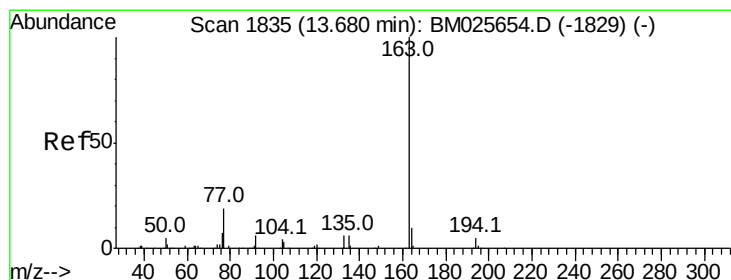
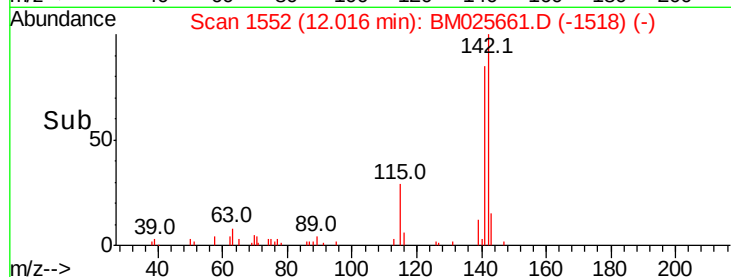
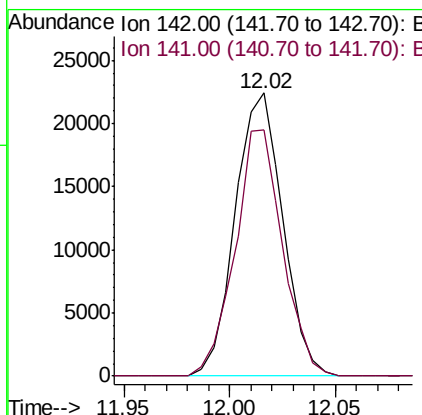
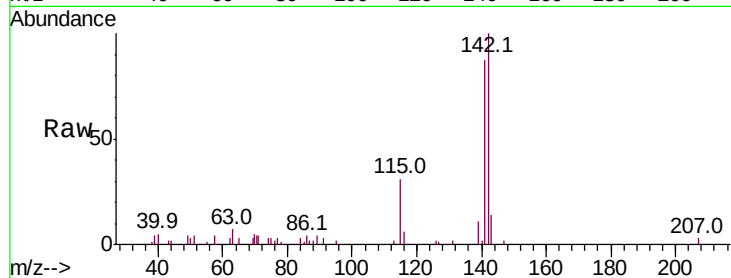




#34
 2-Methylnaphthalene
 Concen: 1.174 ng/ul
 RT: 12.02 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BM025661.D
 Acq: 20 Mar 2020 14:35

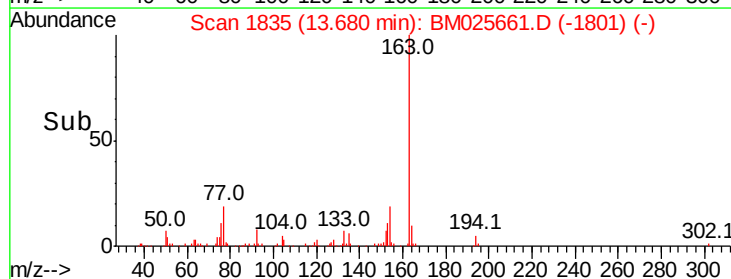
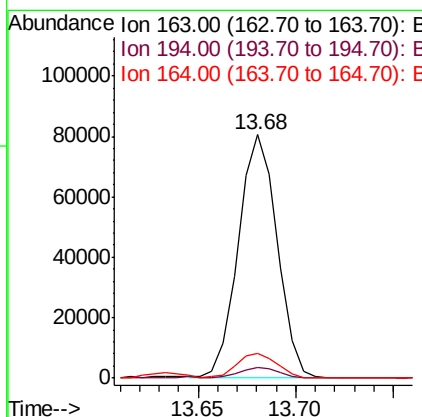
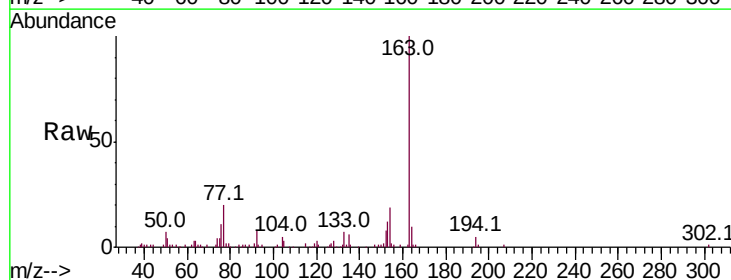
Instrument :
 BNA_M
 ClientSampleId :
 B0AH1

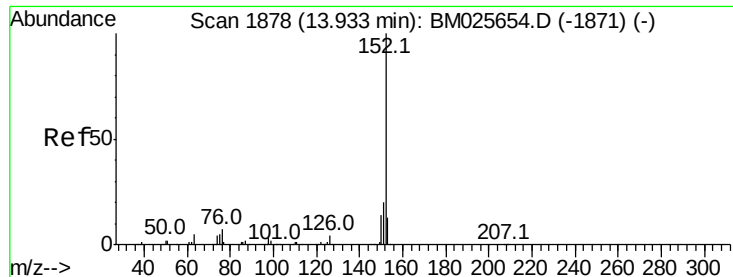
Tot Ion:142 Resp: 35029
 Ion Ratio Lower Upper
 142 100
 141 87.0 71.5 107.3



#45
 Dimethylphthalate
 Concen: 2.969 ng/ul
 RT: 13.68 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: BM025661.D
 Acq: 20 Mar 2020 14:35

Tgt Ion:163 Resp: 111092
 Ion Ratio Lower Upper
 163 100
 194 4.6 3.5 5.3
 164 10.0 8.2 12.4





#48

Acenaphthylene

Concen: 11.269 ng/ul

RT: 13.93 min Scan# 1878

Delta R.T. 0.00 min

Lab File: BM025661.D

Acq: 20 Mar 2020 14:35

Instrument :

BNA_M

ClientSampleId :

B0AH1

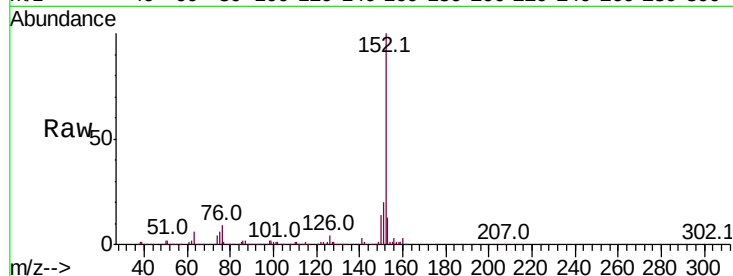
Tot Ion:152 Resp: 525639

Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.6

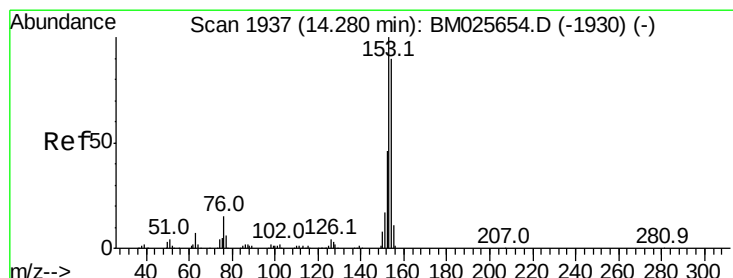
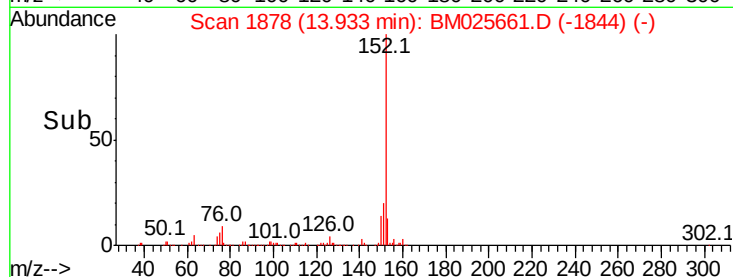
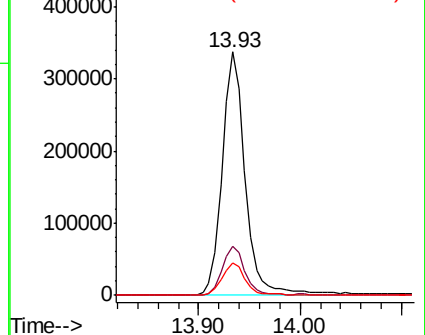
153 13.1 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Acenaphthene

Concen: 8.039 ng/ul

RT: 14.28 min Scan# 1937

Delta R.T. 0.00 min

Lab File: BM025661.D

Acq: 20 Mar 2020 14:35

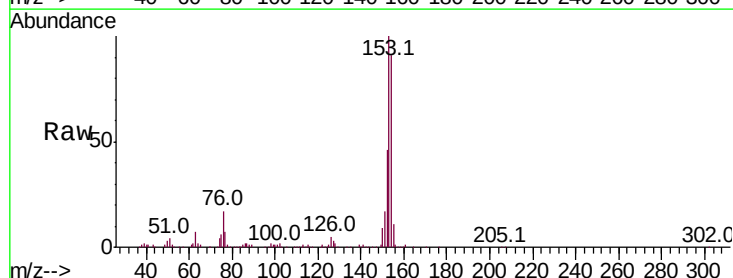
Tgt Ion:153 Resp: 254899

Ion Ratio Lower Upper

153 100

152 45.7 37.6 56.4

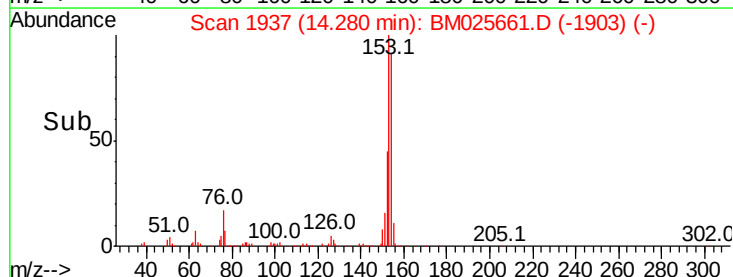
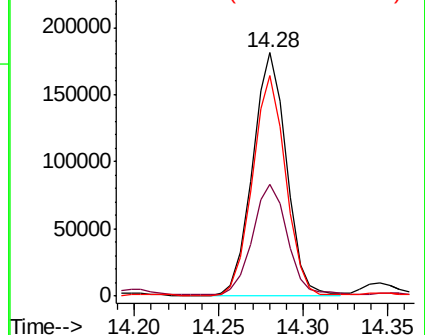
154 90.8 72.2 108.2

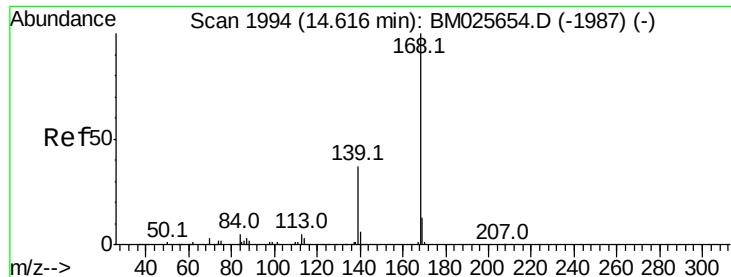


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 3.409 ng/ul

RT: 14.62 min Scan# 1994

Delta R.T. 0.00 min

Lab File: BM025661.D

Acq: 20 Mar 2020 14:35

Instrument :

BNA_M

ClientSampleId :

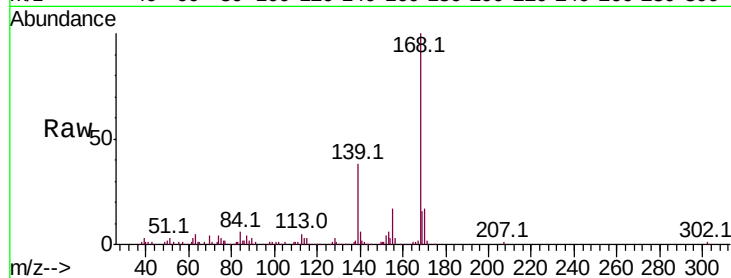
B0AH1

Tot Ion:168 Resp: 153354

Ion Ratio Lower Upper

168 100

139 38.4 28.2 42.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

120000

100000

80000

60000

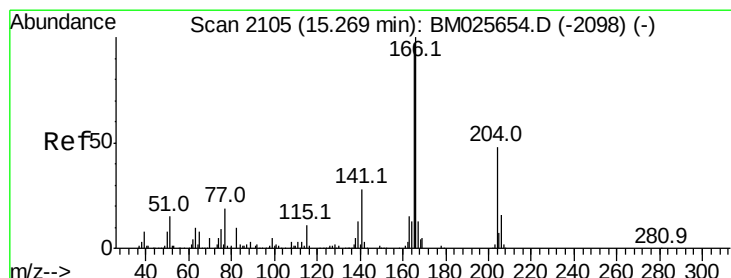
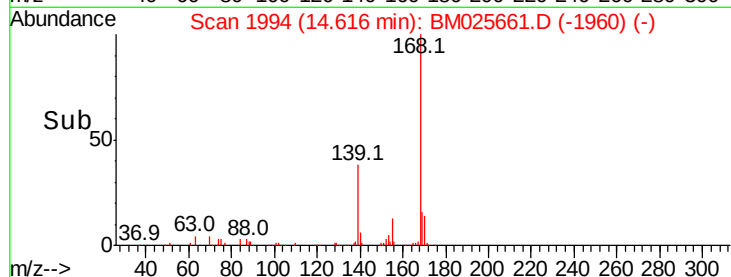
40000

20000

0

14.55 14.60 14.65

Time-->



#59

Fluorene

Concen: 8.928 ng/ul

RT: 15.27 min Scan# 2105

Delta R.T. 0.00 min

Lab File: BM025661.D

Acq: 20 Mar 2020 14:35

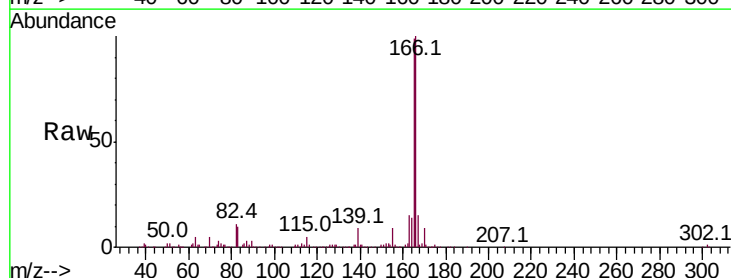
Tgt Ion:166 Resp: 337821

Ion Ratio Lower Upper

166 100

165 99.0 77.2 115.8

167 15.0 11.2 16.8



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

300000

250000

200000

150000

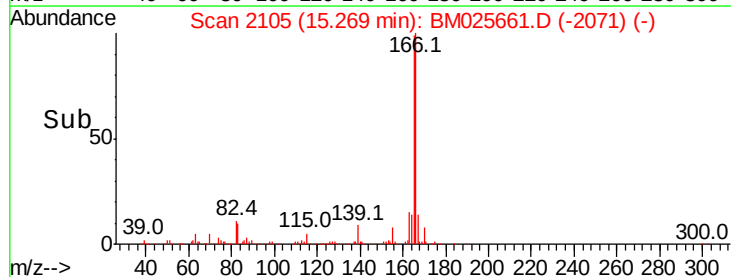
100000

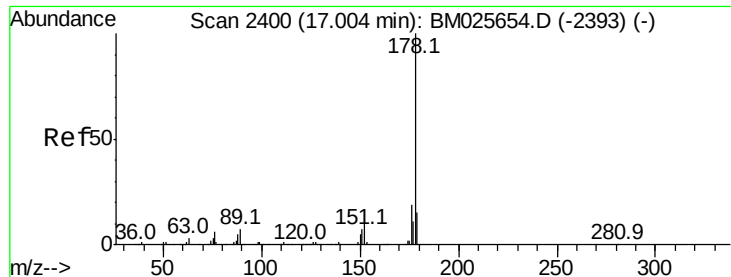
50000

0

15.20 15.25 15.30 15.35

Time-->

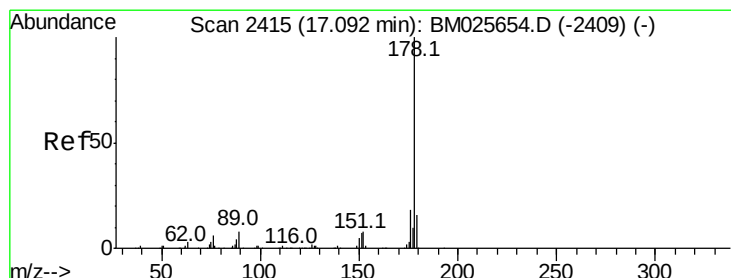
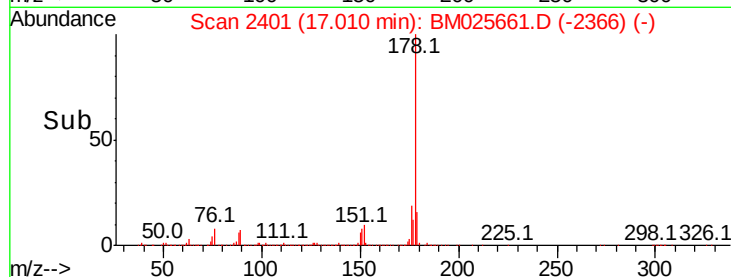
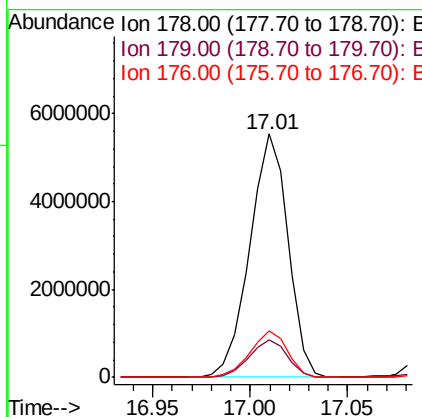
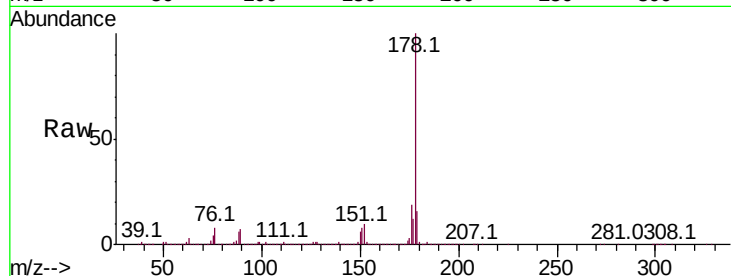




#70
Phenanthrene
Concen: 132.427 ng/ul
RT: 17.01 min Scan# 2401
Delta R.T. 0.01 min
Lab File: BM025661.D
Acq: 20 Mar 2020 14:35

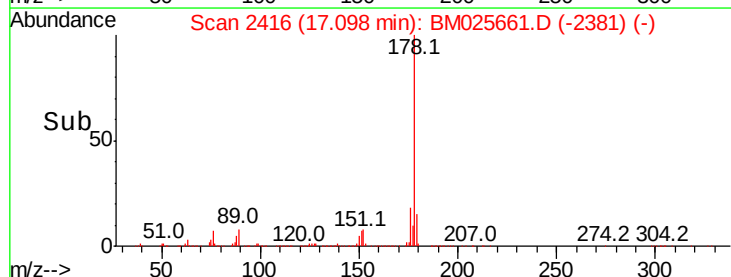
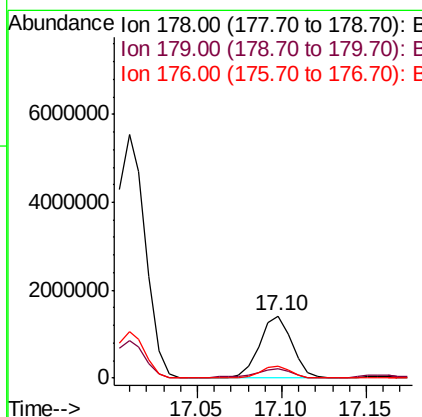
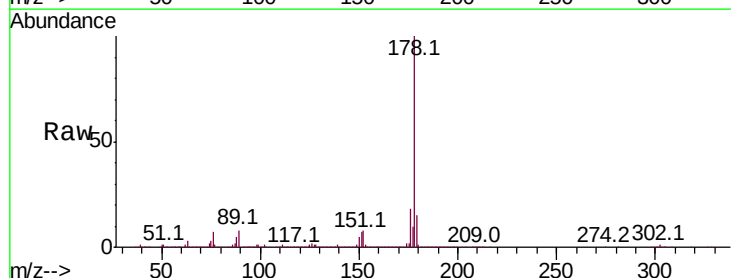
Instrument :
BNA_M
ClientSampleId :
B0AH1

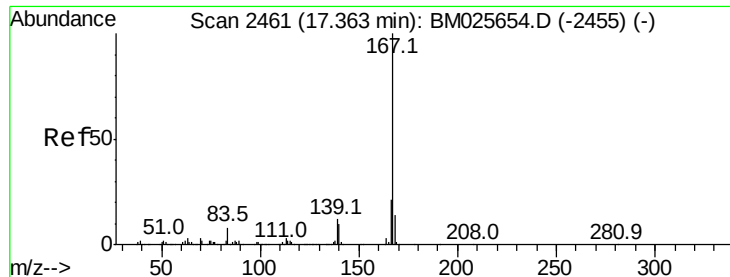
Tot Ion:178 Resp: 7513036
Ion Ratio Lower Upper
178 100
179 15.6 12.2 18.4
176 19.1 15.3 22.9



#72
Anthracene
Concen: 32.675 ng/ul
RT: 17.10 min Scan# 2416
Delta R.T. 0.01 min
Lab File: BM025661.D
Acq: 20 Mar 2020 14:35

Tgt Ion:178 Resp: 1889251
Ion Ratio Lower Upper
178 100
179 15.5 12.5 18.7
176 18.2 14.5 21.7





#75

Carbazole

Concen: 6.679 ng/ul

RT: 17.36 min Scan# 2461

Delta R.T. 0.00 min

Lab File: BM025661.D

Acq: 20 Mar 2020 14:35

Instrument :

BNA_M

ClientSampleId :

B0AH1

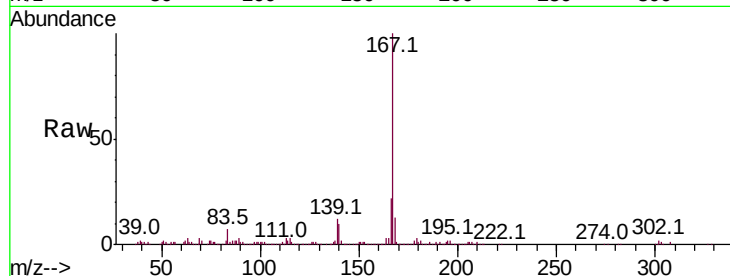
Tot Ion:167 Resp: 337469

Ion Ratio Lower Upper

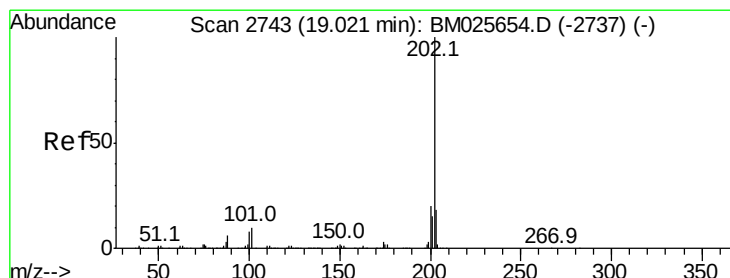
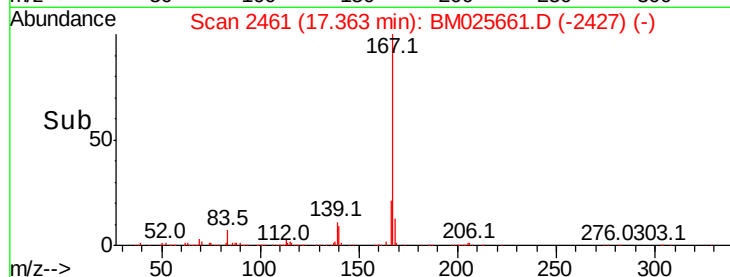
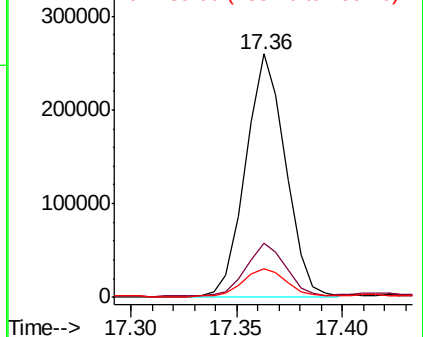
167 100

166 22.0 16.7 25.1

139 11.9 9.8 14.8



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



#77

Fluoranthene

Concen: 210.796 ng/ul

RT: 19.03 min Scan# 2745

Delta R.T. 0.01 min

Lab File: BM025661.D

Acq: 20 Mar 2020 14:35

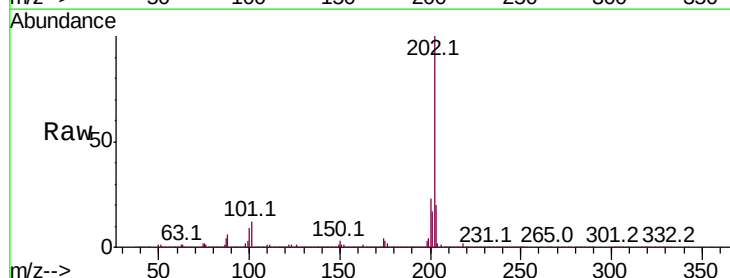
Tgt Ion:202 Resp:14096632

Ion Ratio Lower Upper

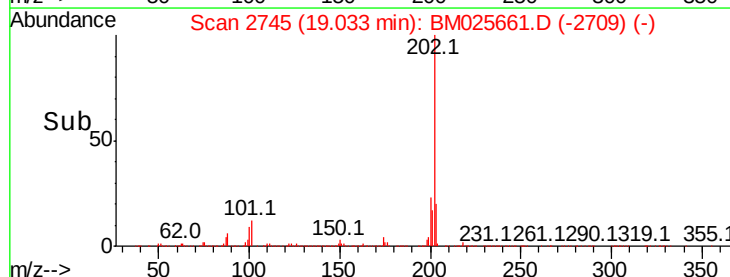
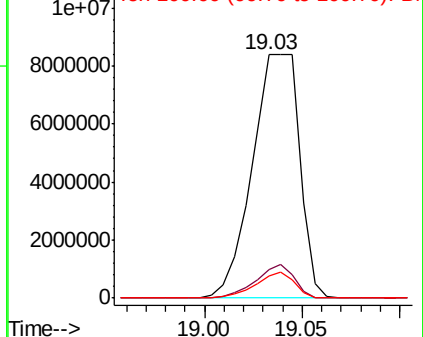
202 100

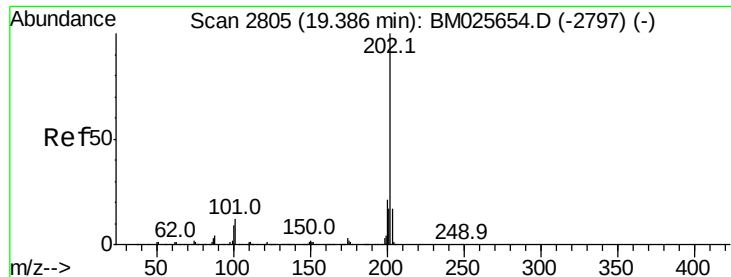
101 12.0 8.2 12.4

100 9.3 6.5 9.7



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

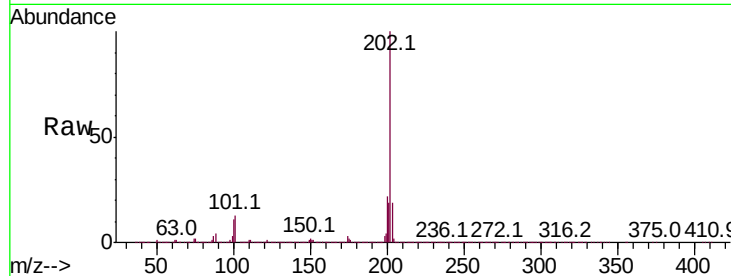




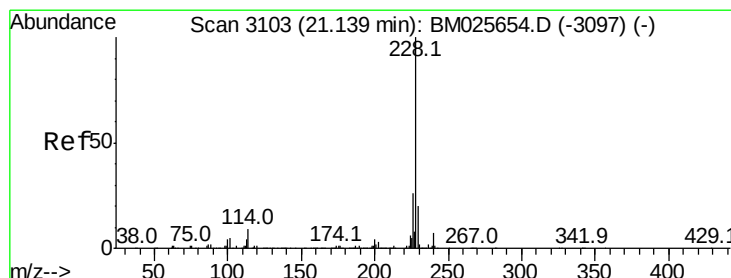
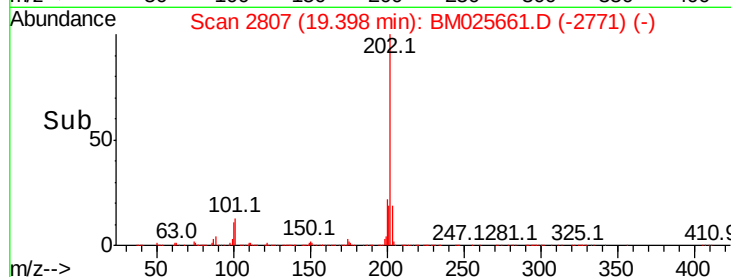
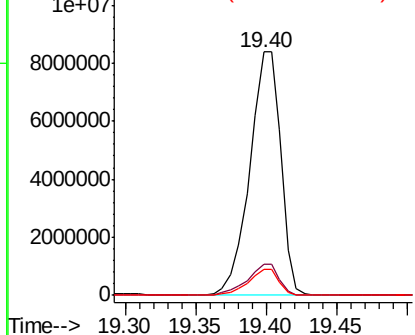
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Pvrene
Concen: 201.384 ng/ul
RT: 19.40 min Scan# 2807
Delta R.T. 0.01 min
Lab File: BM025661.D
Acq: 20 Mar 2020 14:35

Instrument :
BNA_M
ClientSampled :
B0AH1

Tot Ion:202 Resp:12995892
Ion Ratio Lower Upper
202 100
101 12.8 8.9 13.3
100 10.7 7.5 11.3

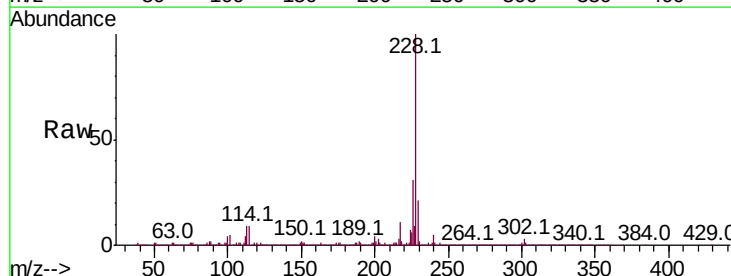


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

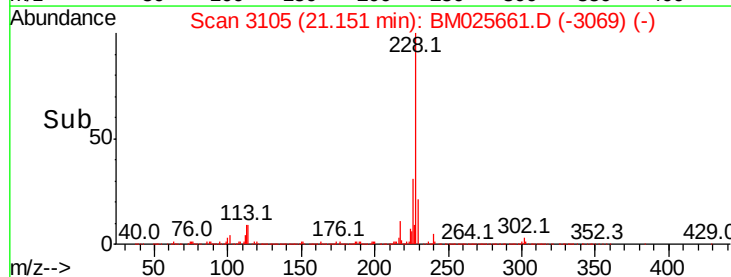
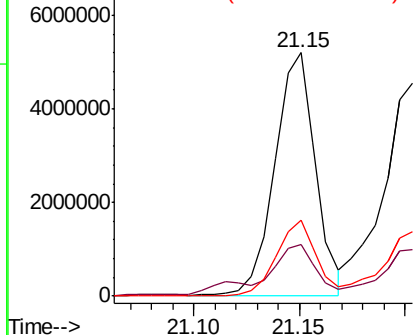


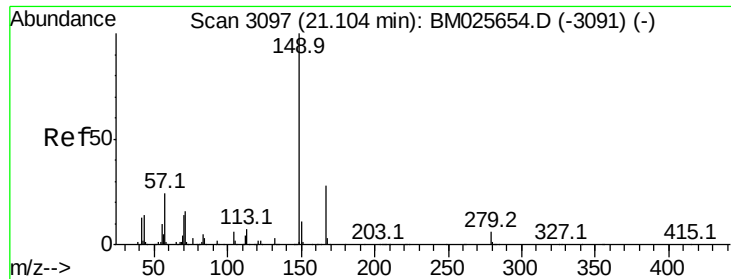
#83
Benzo(a)anthracene
Concen: 110.016 ng/ul
RT: 21.15 min Scan# 3105
Delta R.T. 0.01 min
Lab File: BM025661.D
Acq: 20 Mar 2020 14:35

Tgt Ion:228 Resp: 6969452
Ion Ratio Lower Upper
228 100
229 21.1 15.5 23.3
226 31.0 21.0 31.6



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.380 ng/ul

RT: 21.10 min Scan# 3097

Delta R.T. 0.00 min

Lab File: BM025661.D

Acq: 20 Mar 2020 14:35

Instrument :

BNA_M

ClientSampleId :

B0AH1

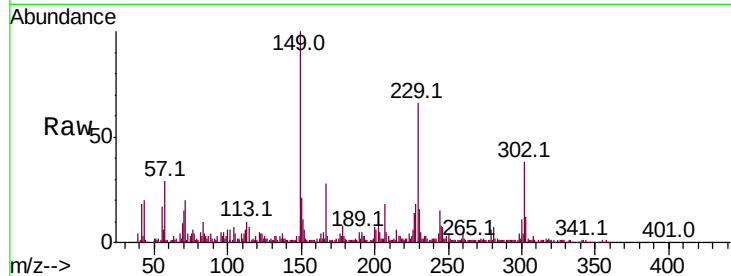
Tot Ion:149 Resp: 205095

Ion Ratio Lower Upper

149 100

167 28.0 22.7 34.1

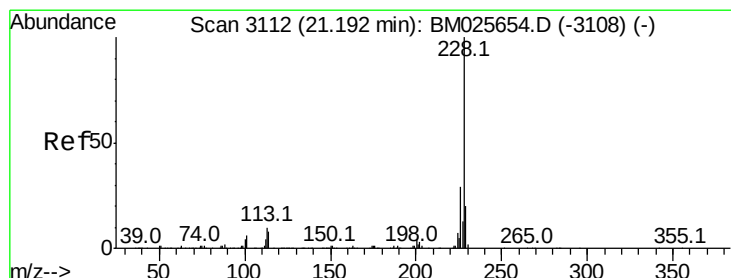
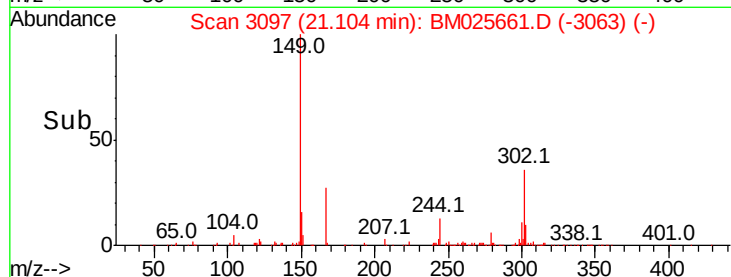
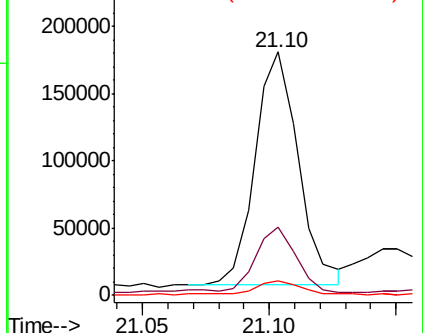
279 6.0 4.1 6.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 104.554 ng/ul

RT: 21.20 min Scan# 3114

Delta R.T. 0.01 min

Lab File: BM025661.D

Acq: 20 Mar 2020 14:35

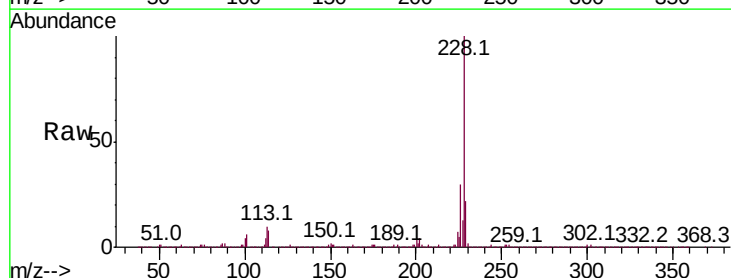
Tgt Ion:228 Resp: 6498443

Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.0

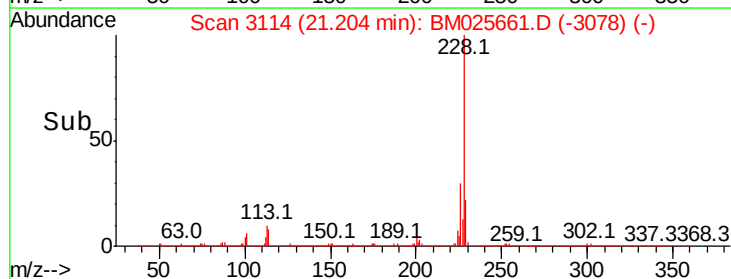
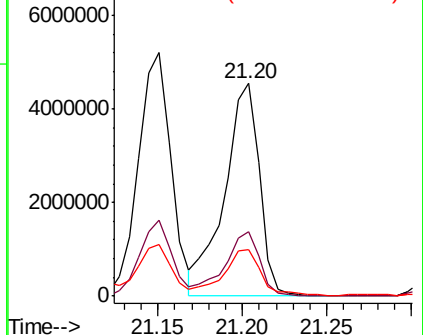
229 22.0 15.6 23.4

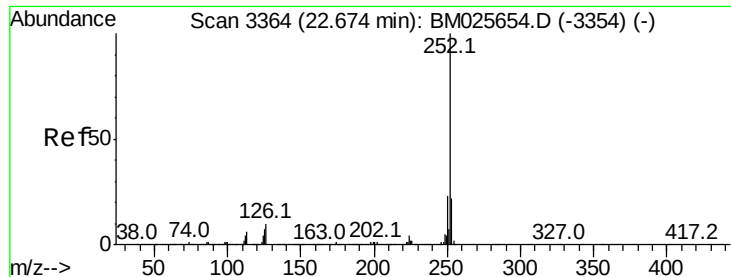


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 128.779 ng/ul

RT: 22.69 min Scan# 3367

Delta R.T. 0.02 min

Lab File: BM025661.D

Acq: 20 Mar 2020 14:35

Instrument :

BNA_M

ClientSampleId :

B0AH1

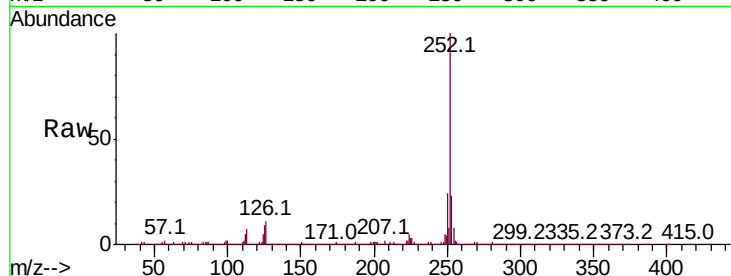
Tot Ion:252 Resp: 9397477

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

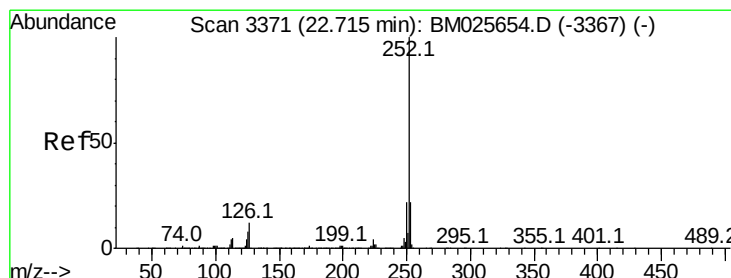
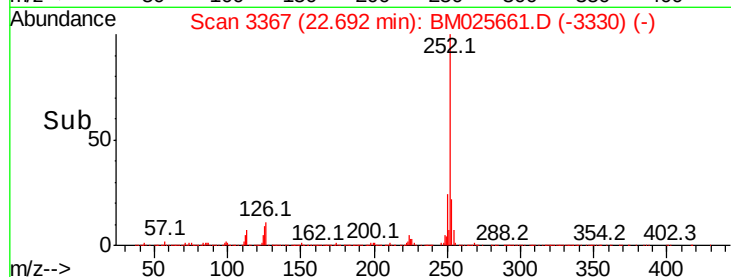
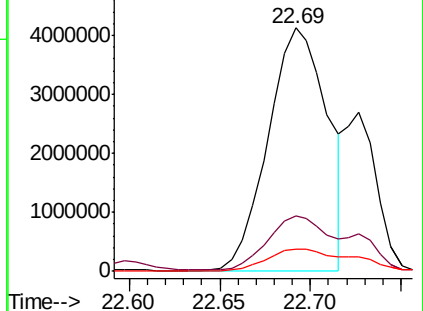
125 9.4 6.7 10.1



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



#89

Benzo(k)fluoranthene

Concen: 43.860 ng/ul

RT: 22.73 min Scan# 3373

Delta R.T. 0.01 min

Lab File: BM025661.D

Acq: 20 Mar 2020 14:35

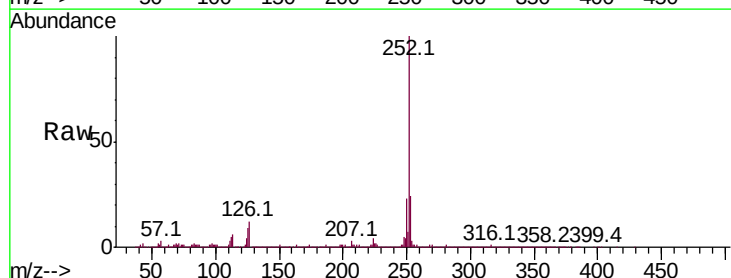
Tgt Ion:252 Resp: 3152990

Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

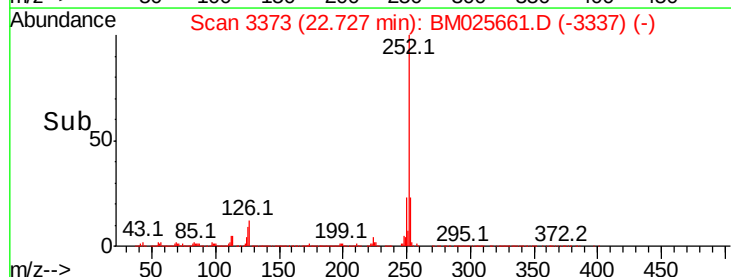
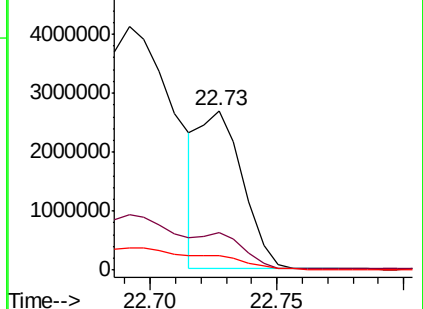
125 9.2 6.9 10.3

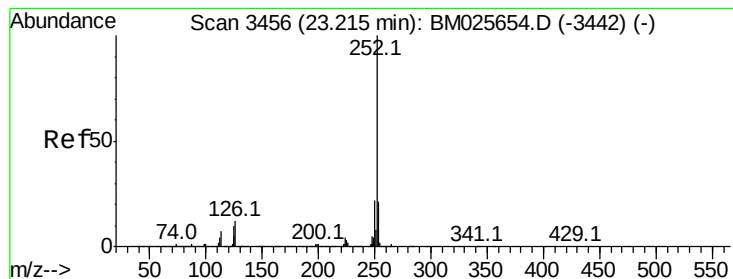


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 102.665 ng/ul

RT: 23.24 min Scan# 3460

Delta R.T. 0.02 min

Lab File: BM025661.D

Acq: 20 Mar 2020 14:35

Instrument :

BNA_M

ClientSampleId :

B0AH1

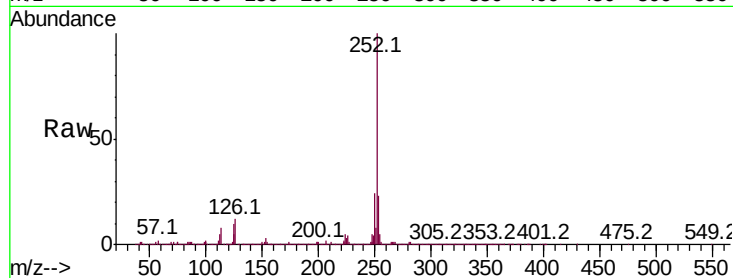
Tot Ion:252 Resp: 6817843

Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.6

125 9.8 7.1 10.7

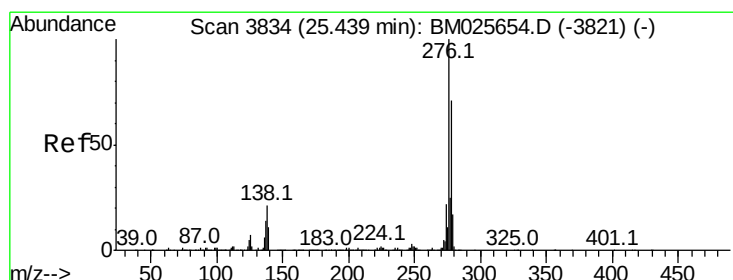
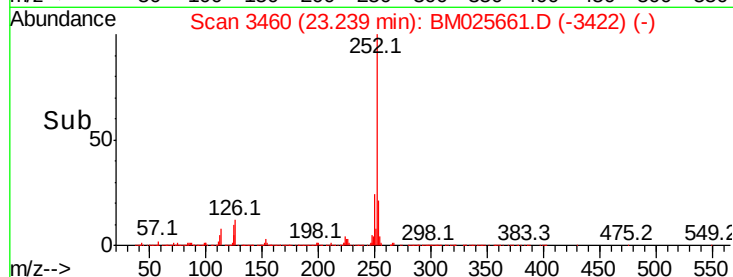
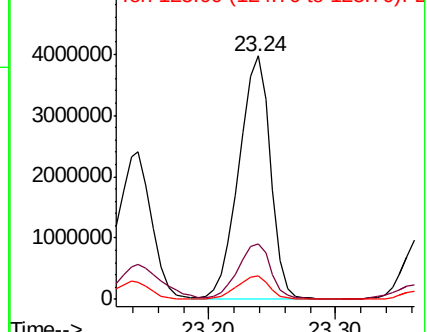


Abundance

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: 56.448 ng/ul

RT: 25.47 min Scan# 3839

Delta R.T. 0.03 min

Lab File: BM025661.D

Acq: 20 Mar 2020 14:35

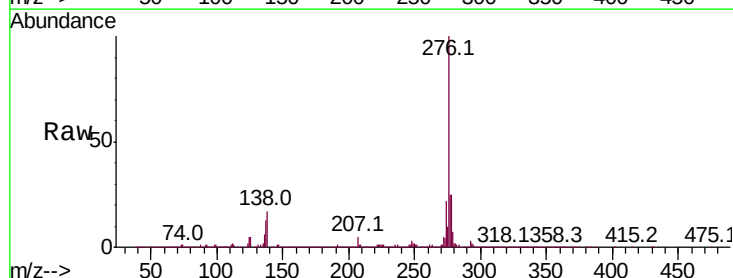
Tgt Ion:276 Resp: 4950551

Ion Ratio Lower Upper

276 100

138 17.5 16.5 24.7

277 25.0 19.7 29.5

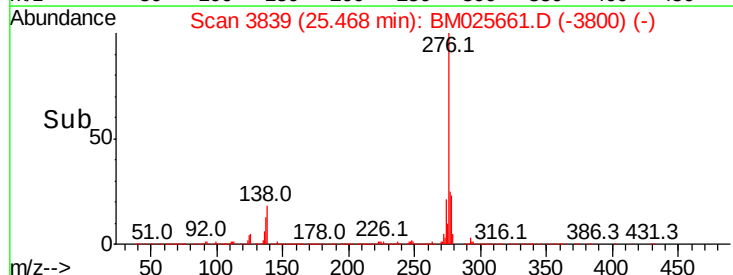
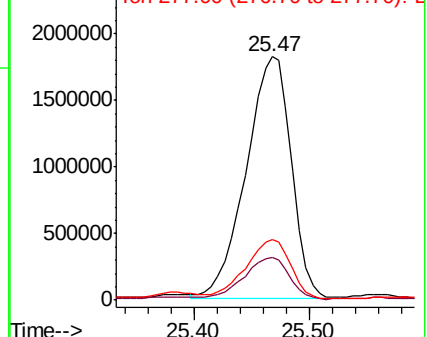


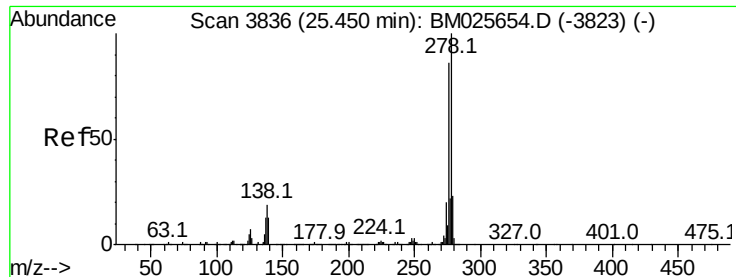
Abundance

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





#93

Dibenzo(a,h)anthracene

Concen: 16.505 ng/ul

RT: 25.47 min Scan# 3839

Delta R.T. 0.02 min

Lab File: BM025661.D

Acq: 20 Mar 2020 14:35

Instrument :

BNA_M

ClientSampleId :

B0AH1

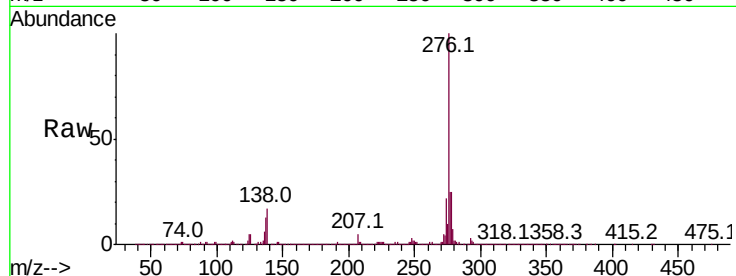
Tot Ion:278 Resp: 1225738

Ion Ratio Lower Upper

278 100

139 0.0 10.4 15.6#

279 26.0 18.6 28.0

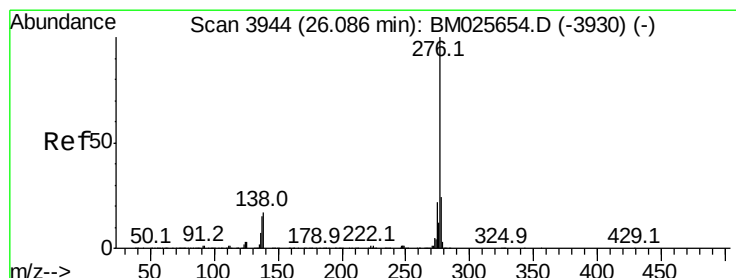
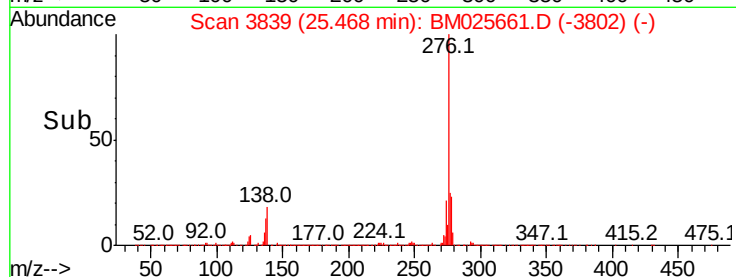
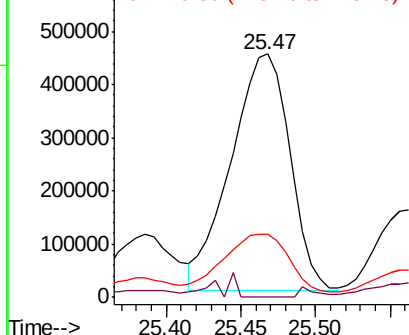


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#94

Benzo(g,h,i)perylene

Concen: 48.888 ng/ul

RT: 26.12 min Scan# 3950

Delta R.T. 0.04 min

Lab File: BM025661.D

Acq: 20 Mar 2020 14:35

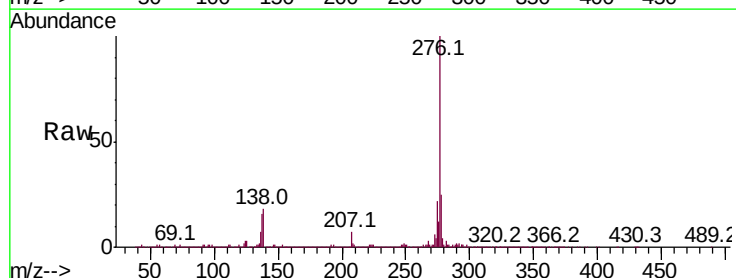
Tgt Ion:276 Resp: 3533631

Ion Ratio Lower Upper

276 100

138 17.6 13.2 19.8

277 24.5 19.0 28.4



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

