

Data File : BM024852.D
Acq On : 12 Feb 2020 01:53
Operator : CG/JU
Sample : L1405-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CB6W8

Quant Time: Feb 12 04:44:25 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 12 04:40:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	303794	20.00	ng/ul	0.00
18) Naphthalene-d8	10.16	136	1165560	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.05	164	755507	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.80	188	1601195	20.00	ng/ul	0.00
78) Chrysene-d12	21.02	240	1573874	20.00	ng/ul	0.00
86) Perylene-d12	23.12	264	1639936	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	22263	3.52	ng/uL	0.00
5) Phenol-d5	6.60	99	421163	20.87	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.75	67	243357	21.35	ng/ul	0.00
9) 2-Chlorophenol-d4	6.94	132	378556	20.94	ng/ul	0.00
13) 4-Methylphenol-d8	8.11	113	336118	19.74	ng/ul	0.00
19) Nitrobenzene-d5	8.54	128	181950	21.59	ng/ul	0.00
22) 2-Nitrophenol-d4	9.25	143	212406	21.33	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.79	165	390038	19.41	ng/ul	0.00
29) 4-Chloroaniline-d4	10.30	131	463441	24.66	ng/ul	0.00
44) Dimethylphthalate-d6	13.47	166	1208570	21.19	ng/ul	0.00
47) Acenaphthylene-d8	13.73	160	1435381	21.55	ng/ul	0.00
52) 4-Nitrophenol-d4	14.27	143	144180	15.56	ng/ul	0.00
58) Fluorene-d10	15.06	176	1046881	20.73	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.19	200	149865	14.36	ng/ul	0.00
71) Anthracene-d10	16.90	188	1527284	20.89	ng/ul	0.00
79) Pyrene-d10	19.21	212	1719146	21.84	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.99	264	1796199	21.81	ng/ul	0.00

Target Compounds

					Qvalue	
70) Phenanthrene	16.84	178	294895	3.378	ng/ul	99
77) Fluoranthene	18.87	202	500273	4.668	ng/ul	99
80) Pyrene	19.24	202	461354	4.428	ng/ul	97
83) Benzo(a)anthracene	21.00	228	259027	2.443	ng/ul	98
85) Chrysene	21.05	228	265033	2.539	ng/ul	98
88) Benzo(b)fluoranthene	22.50	252	338046	3.242	ng/ul#	96
89) Benzo(k)fluoranthene	22.54	252	120311	1.199	ng/ul#	94
91) Benzo(a)pyrene	23.03	252	205049	2.193	ng/ul#	94
92) Indeno(1,2,3-cd)pyrene	25.16	276	157446	1.353	ng/ul	96
94) Benzo(g,h,i)perylene	25.78	276	142709	1.474	ng/ul	97

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

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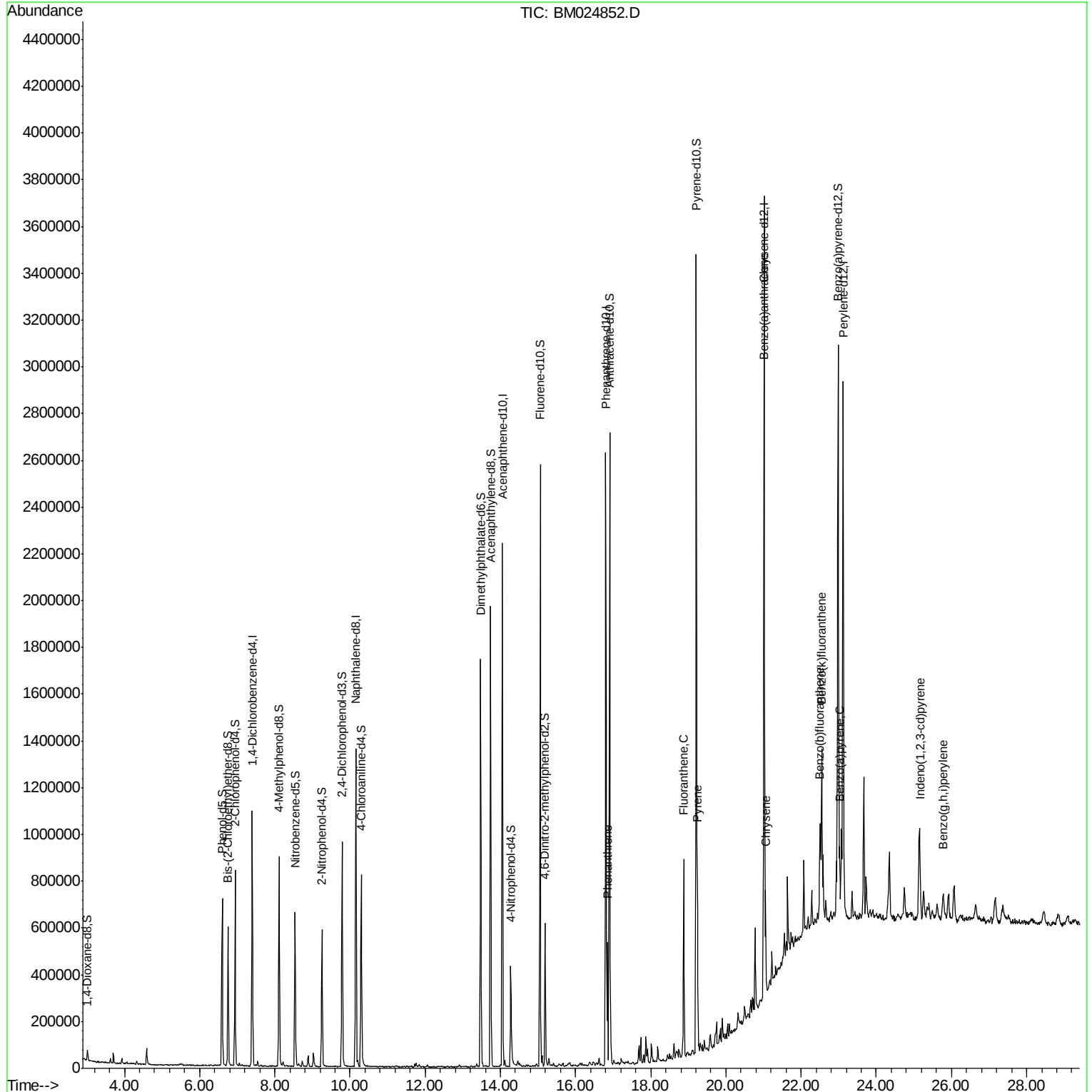
Quant Time: Feb 12 04:44:25 2020

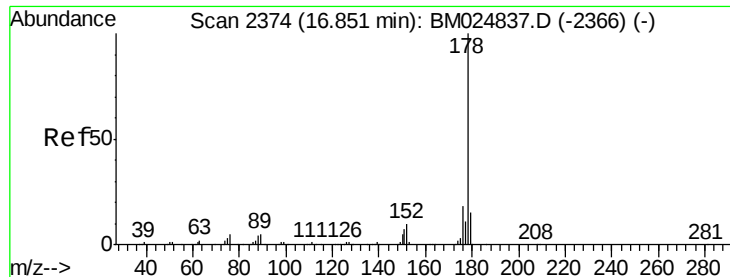
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed Feb 12 04:40:07 2020

Response via : Initial Calibration





#70

Phenanthrene

Concen: 3.378 ng/ul

RT: 16.84 min Scan# 2373

Delta R.T. -0.01 min

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Instrument :

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ClientSampleId :

CB6W8

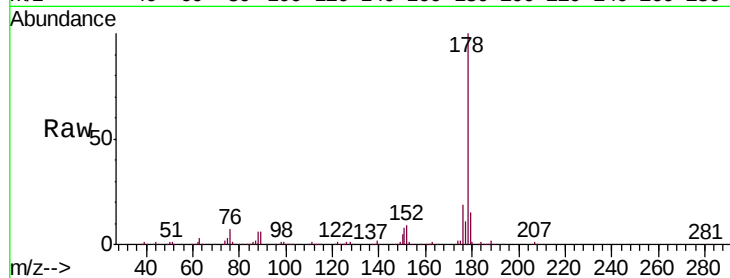
Tgt Ion:178 Resp: 294895

Ion Ratio Lower Upper

178 100

179 14.9 12.2 18.2

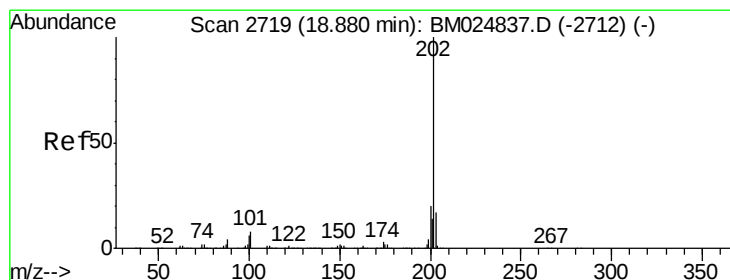
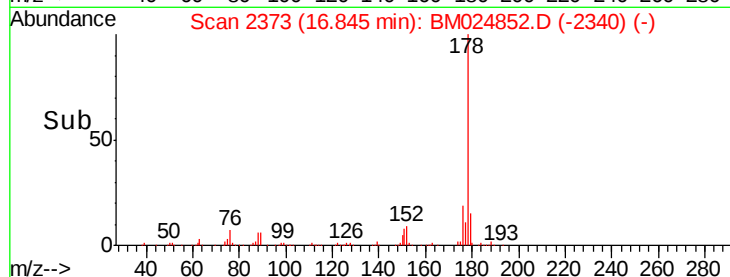
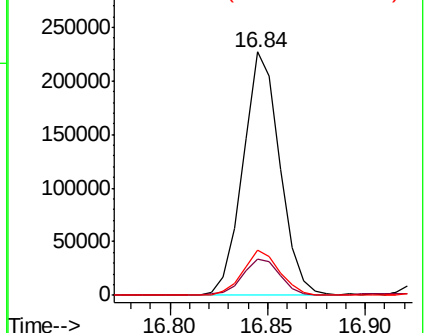
176 18.6 14.5 21.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#77

Fluoranthene

Concen: 4.668 ng/ul

RT: 18.87 min Scan# 2718

Delta R.T. -0.01 min

Lab File: BM024852.D

Acq: 12 Feb 2020 01:53

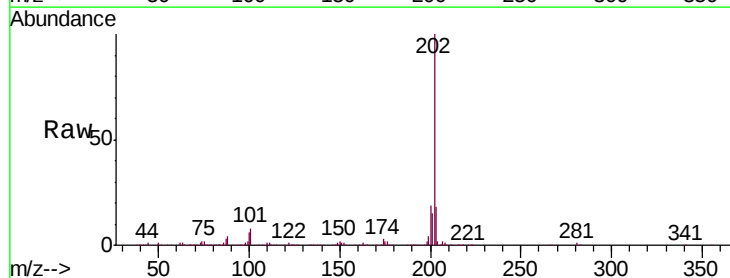
Tgt Ion:202 Resp: 500273

Ion Ratio Lower Upper

202 100

101 7.9 6.1 9.1

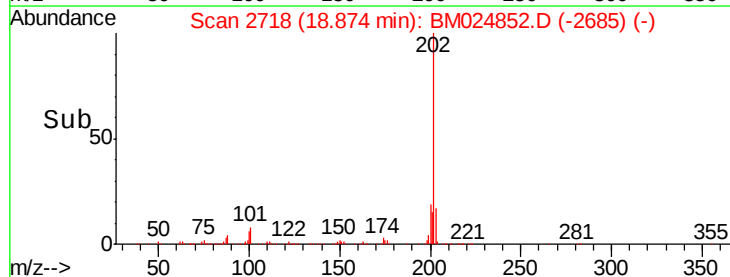
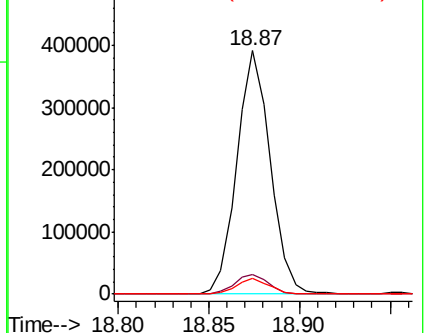
100 6.2 4.8 7.2

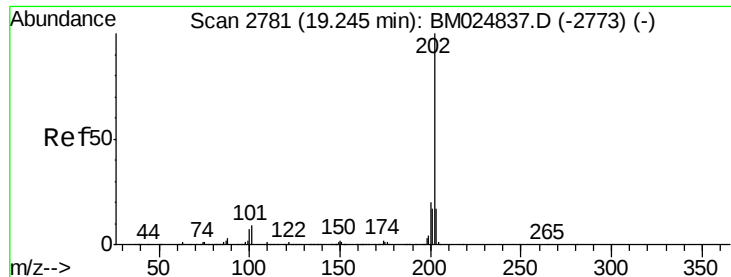


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

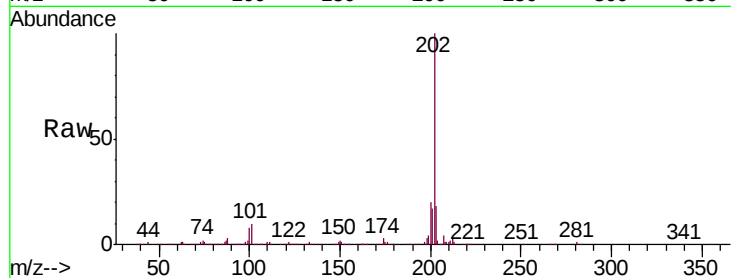




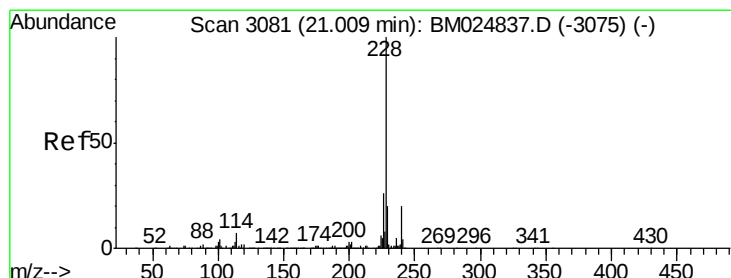
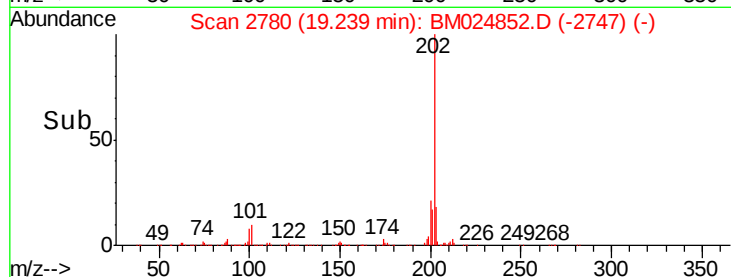
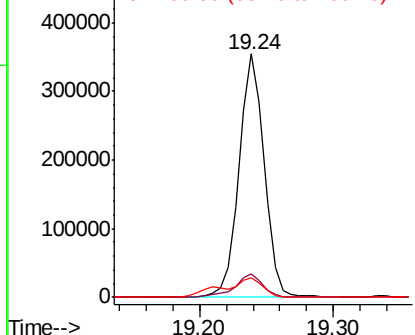
#80
 Pyrene
 Concen: 4.428 ng/ul
 RT: 19.24 min Scan# 2780
 Delta R.T. -0.01 min
 Lab File: BM024852.D
 Acq: 12 Feb 2020 01:53

Instrument :
 BNA_M
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 CB6W8

Tgt Ion:	202	Resp:	461354
Ion	Ratio	Lower	Upper
202	100		
101	9.6	7.0	10.4
100	8.2	5.8	8.8

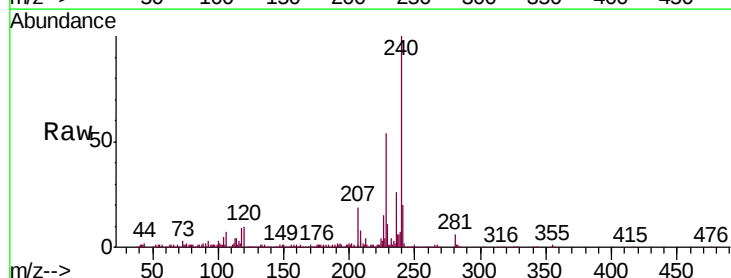


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

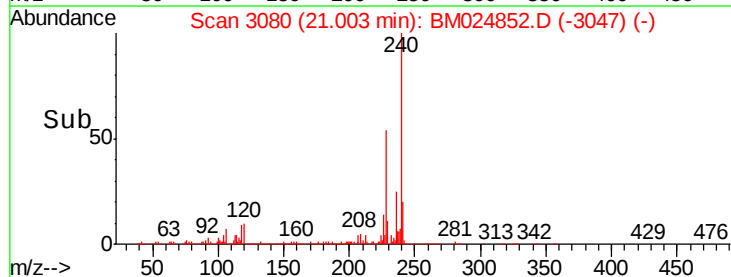
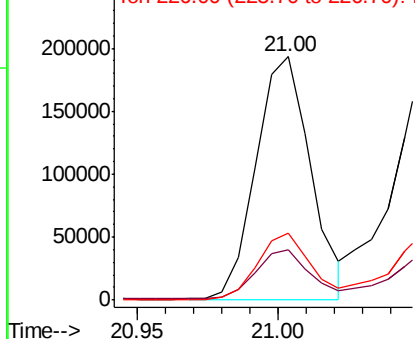


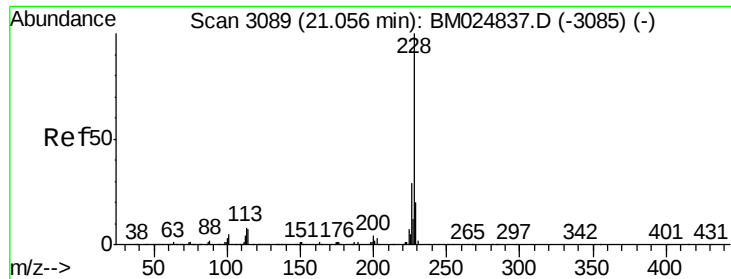
#83
 Benzo(a)anthracene
 Concen: 2.443 ng/ul
 RT: 21.00 min Scan# 3080
 Delta R.T. -0.01 min
 Lab File: BM024852.D
 Acq: 12 Feb 2020 01:53

Tgt Ion:	228	Resp:	259027
Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.9	23.9
226	27.3	20.8	31.2



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: 2.539 ng/ul

RT: 21.05 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM024852.D

Acq: 12 Feb 2020 01:53

Instrument :

BNA_M

ClientSampleId :

CB6W8

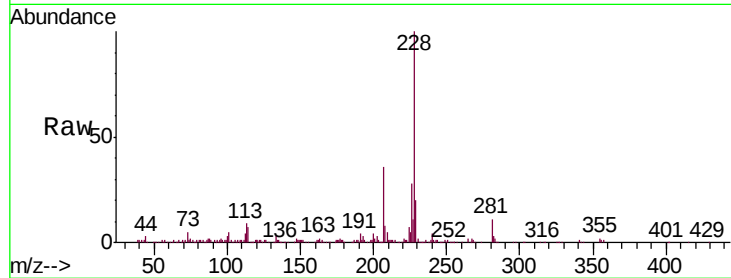
Tgt Ion:228 Resp: 265033

Ion Ratio Lower Upper

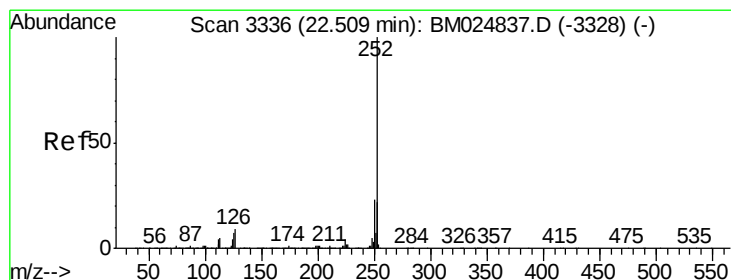
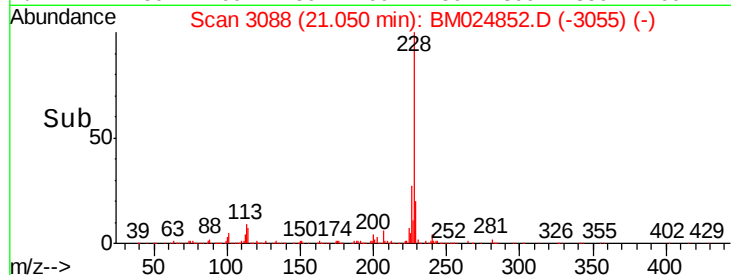
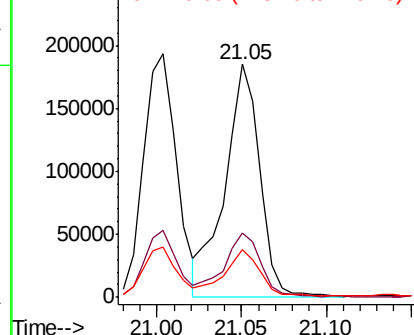
228 100

226 27.6 23.0 34.4

229 20.2 15.8 23.8



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: 3.242 ng/ul

RT: 22.50 min Scan# 3335

Delta R.T. -0.01 min

Lab File: BM024852.D

Acq: 12 Feb 2020 01:53

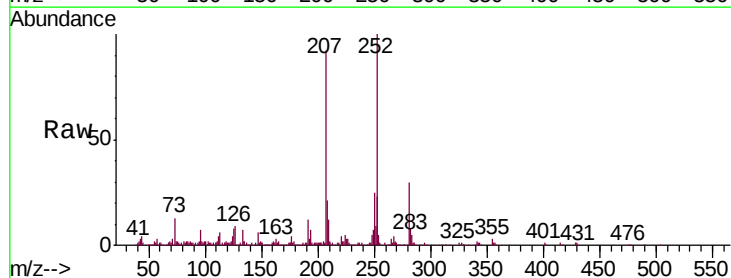
Tgt Ion:252 Resp: 338046

Ion Ratio Lower Upper

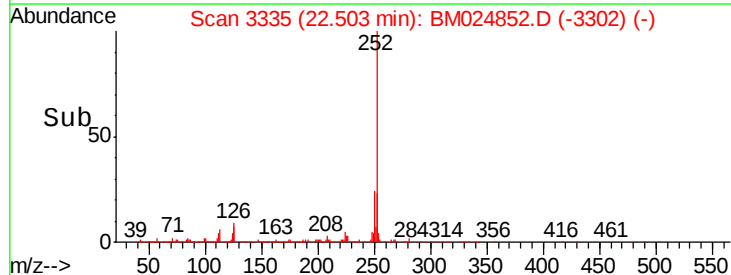
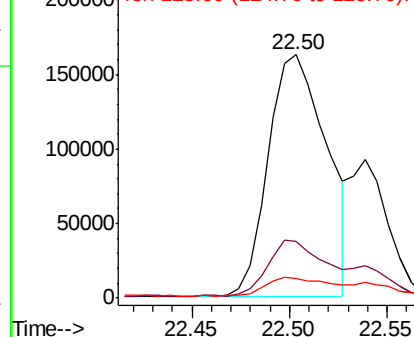
252 100

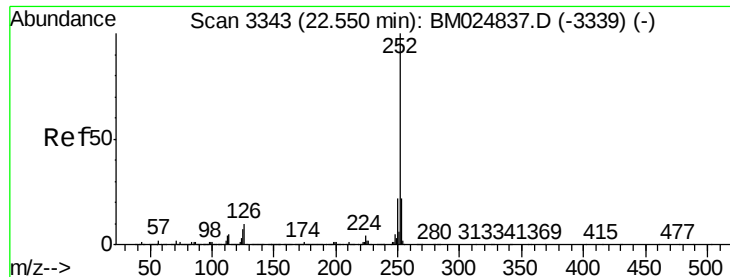
253 23.5 17.3 25.9

125 8.3 5.1 7.7#



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





#89

Benzo(k)fluoranthene

Concen: 1.199 ng/ul

RT: 22.54 min Scan# 3341

Delta R.T. -0.01 min

Lab File: BM024852.D

Acq: 12 Feb 2020 01:53

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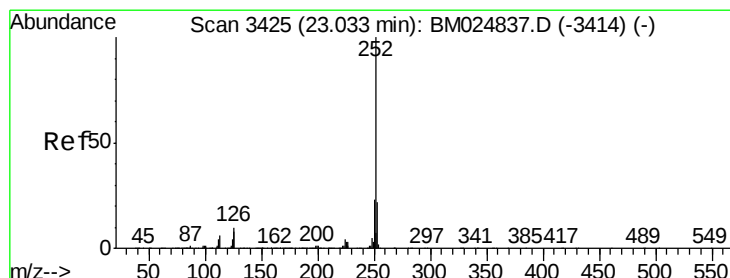
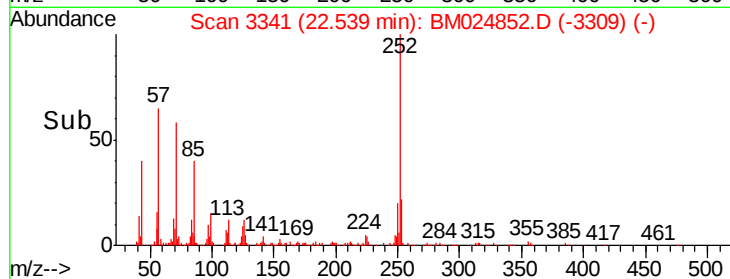
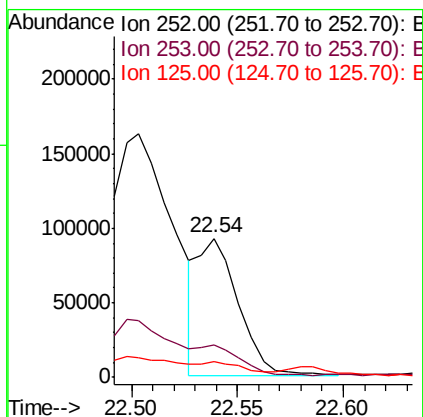
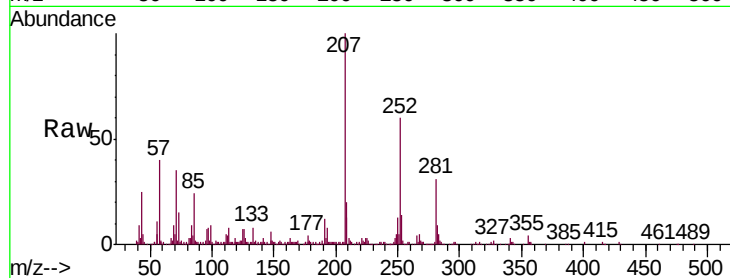
Tgt Ion:252 Resp: 120311

Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.0

125 10.9 5.1 7.7#



#91

Benzo(a)pyrene

Concen: 2.193 ng/ul

RT: 23.03 min Scan# 3424

Delta R.T. -0.01 min

Lab File: BM024852.D

Acq: 12 Feb 2020 01:53

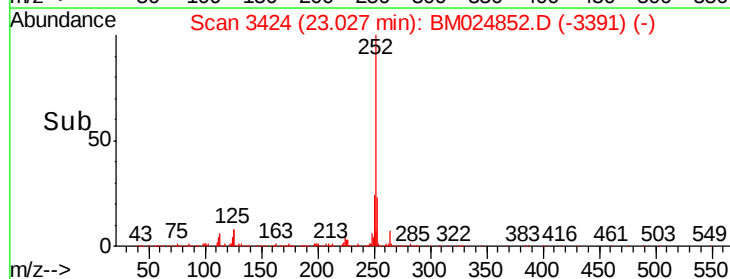
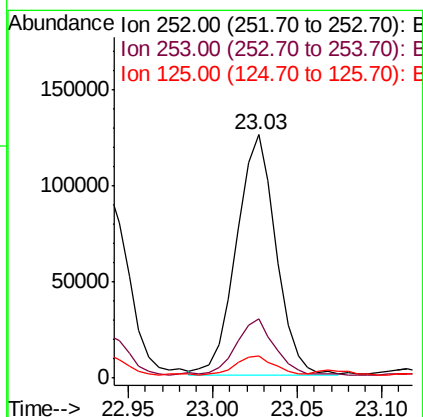
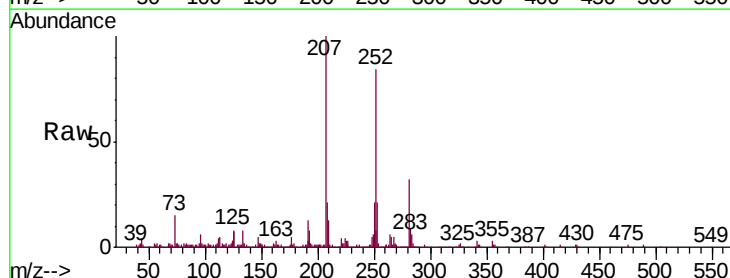
Tgt Ion:252 Resp: 205049

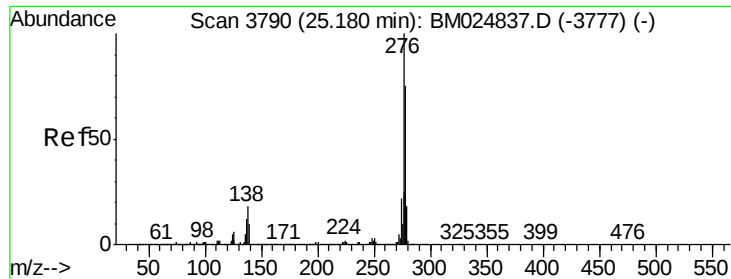
Ion Ratio Lower Upper

252 100

253 24.5 17.5 26.3

125 9.4 5.6 8.4#



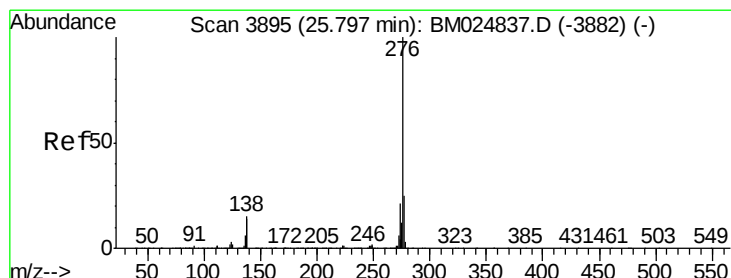
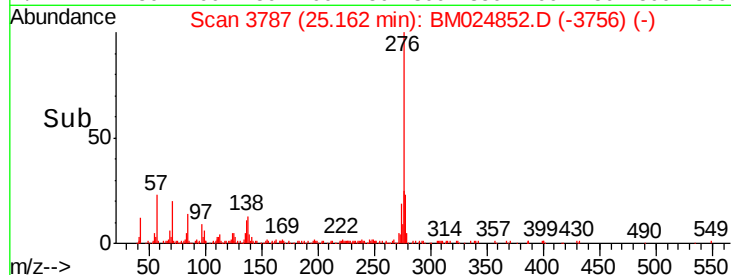
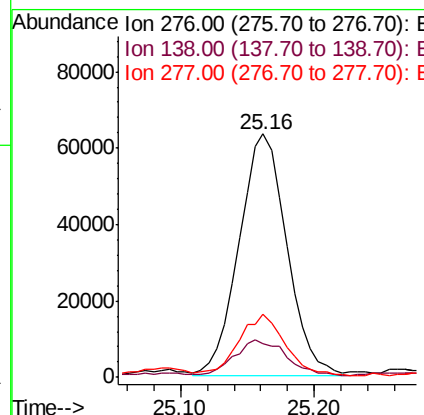
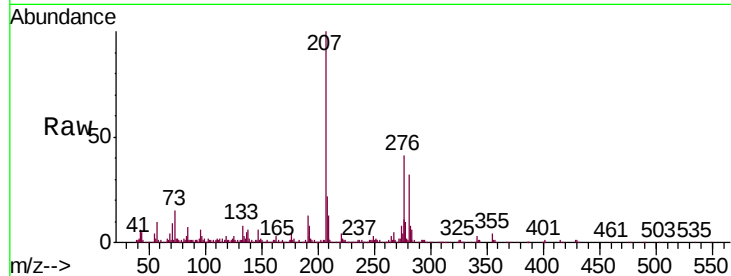


#92

Indeno(1,2,3-cd)pyrene
Concen: 1.353 ng/ul
RT: 25.16 min Scan# 3787
Delta R.T. -0.02 min
Lab File: BM024852.D
Acq: 12 Feb 2020 01:53

Instrument :
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Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.9	12.8	19.2
277	26.0	19.3	28.9



#94

Benzo(g,h,i)perylene
Concen: 1.474 ng/ul
RT: 25.78 min Scan# 3892
Delta R.T. -0.02 min
Lab File: BM024852.D
Acq: 12 Feb 2020 01:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.9	11.8	17.6
277	22.0	19.0	28.6

