

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\
 Data File : BM024742.D
 Acq On : 06 Feb 2020 23:51
 Operator : CG/JU
 Sample : L1398-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 07 00:50:49 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Feb 06 16:50:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.41	152	303951	20.00	ng/ul	0.00
18) Naphthalene-d8	10.17	136	1203911	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.06	164	804776	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.82	188	1702101	20.00	ng/ul	0.00
78) Chrysene-d12	21.03	240	1539797	20.00	ng/ul	0.00
86) Perylene-d12	23.13	264	1731565	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	20225	3.20	ng/uL	0.00
5) Phenol-d5	6.60	99	350810	17.37	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.76	67	208873	18.32	ng/ul	0.00
9) 2-Chlorophenol-d4	6.95	132	323794	17.90	ng/ul	0.00
13) 4-Methylphenol-d8	8.12	113	296970	17.43	ng/ul	0.00
19) Nitrobenzene-d5	8.55	128	159004	18.26	ng/ul	0.00
22) 2-Nitrophenol-d4	9.26	143	192002	18.67	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.80	165	366204	17.65	ng/ul	0.00
29) 4-Chloroaniline-d4	10.31	131	404838	20.86	ng/ul	0.00
44) Dimethylphthalate-d6	13.49	166	1190433	19.60	ng/ul	0.00
47) Acenaphthylene-d8	13.75	160	1386342	19.54	ng/ul	0.00
52) 4-Nitrophenol-d4	14.29	143	151178	15.32	ng/ul	0.00
58) Fluorene-d10	15.06	176	1043068	19.39	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.20	200	183867	16.57	ng/ul	0.00
71) Anthracene-d10	16.92	188	1593115	20.50	ng/ul	0.00
79) Pyrene-d10	19.22	212	1755945	22.80	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.00	264	1834528	21.09	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.22	128	210356	3.420	ng/ul 99
30) 4-Chloroaniline	10.22	127	26688	1.378	ng/ul# 3
34) 2-Methylnaphthalene	11.84	142	131959	2.912	ng/ul 99
35) 1-Methylnaphthalene	12.06	142	87289	1.932	ng/ul 97
45) Dimethylphthalate	13.53	163	127707	2.015	ng/ul# 98
48) Acenaphthylene	13.77	152	108688	1.479	ng/ul# 95
50) Acenaphthene	14.13	153	297736	6.000	ng/ul 98
54) Dibenzofuran	14.46	168	221982	3.001	ng/ul 100
59) Fluorene	15.12	166	333375	5.468	ng/ul 97
70) Phenanthrene	16.86	178	5080953	54.748	ng/ul 99
72) Anthracene	16.95	178	1065573	11.321	ng/ul 99
75) Carbazole	17.22	167	283059	3.610	ng/ul 99
77) Fluoranthene	18.89	202	5441708	47.764	ng/ul 99
80) Pyrene	19.26	202	5197157	50.991	ng/ul 100
83) Benzo(a)anthracene	21.02	228	2654318	25.591	ng/ul 97
85) Chrysene	21.07	228	2680150	26.247	ng/ul 99
88) Benzo(b)fluoranthene	22.52	252	2797104	25.403	ng/ul 97
89) Benzo(k)fluoranthene	22.52	252	2797104	26.393	ng/ul 97
91) Benzo(a)pyrene	23.04	252	1974163	19.999	ng/ul 99
92) Indeno(1,2,3-cd)pyrene	25.19	276	1252447	10.191	ng/ul 98
93) Dibenz(a,h)anthracene	25.20	278	387791	3.703	ng/ul# 91
94) Benzo(a,h,i)perylene	25.81	276	1147772	11.229	ng/ul 99

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QLast Update : Thu Feb 06 16:50:23 2020
Response via : Initial Calibration

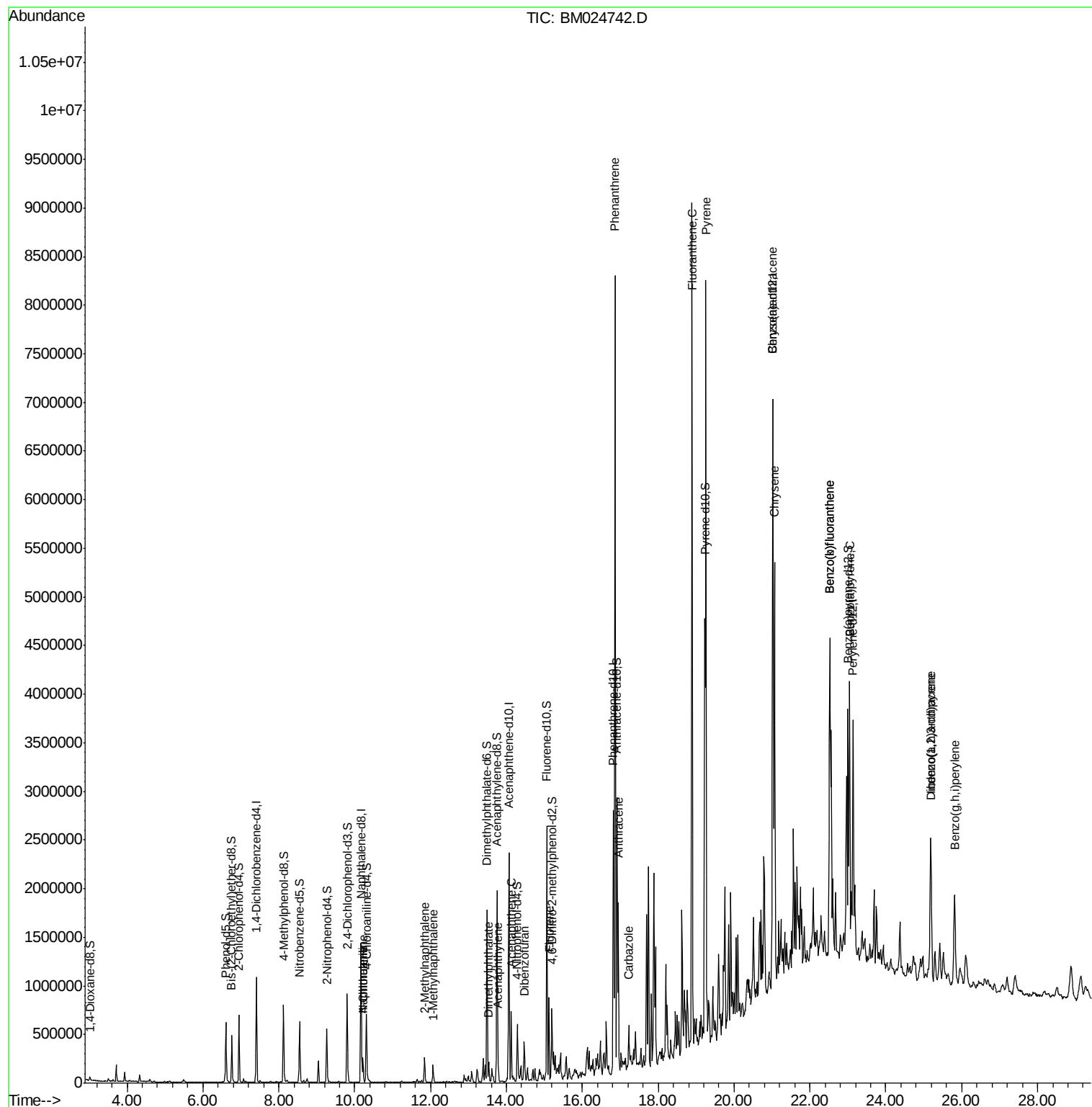
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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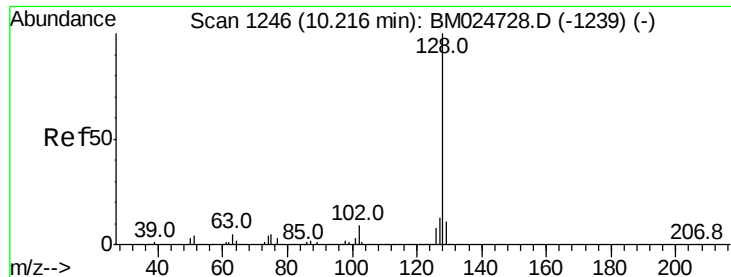
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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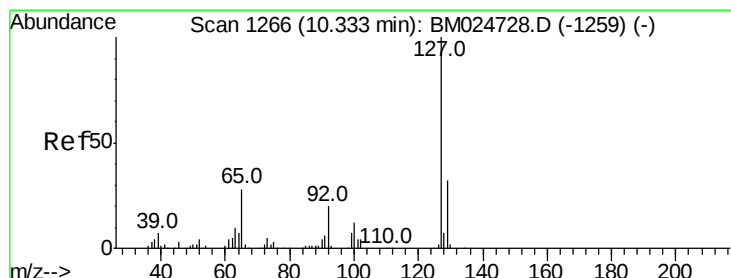
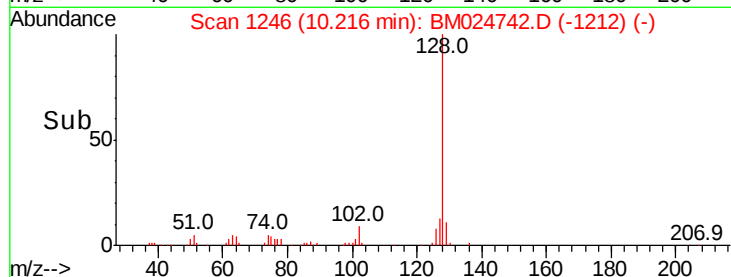
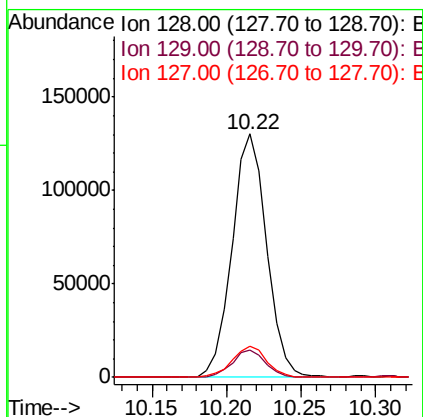
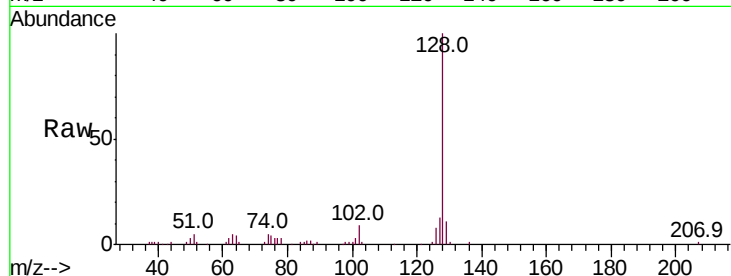




#28
Naphthalene
Concen: 3.420 ng/ul
RT: 10.22 min Scan# 1246
Delta R.T. 0.00 min
Lab File: BM024742.D
Acq: 06 Feb 2020 23:51

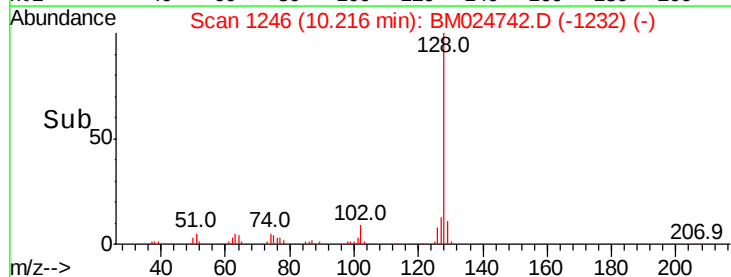
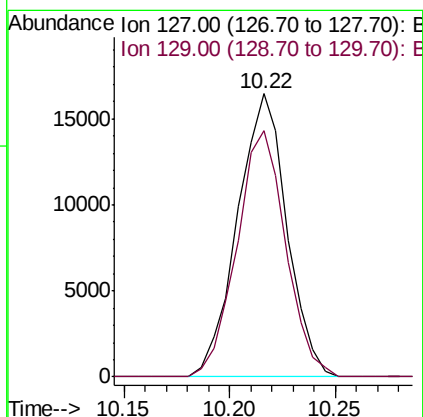
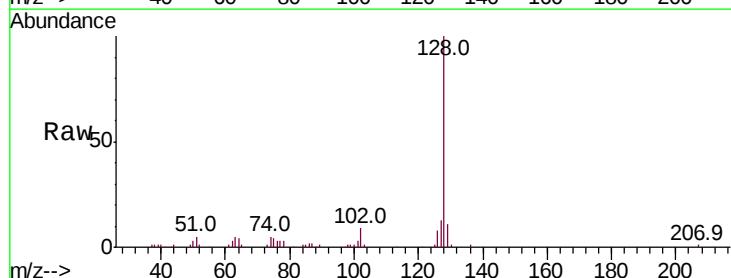
Instrument :
BNA_M
ClientSampleId :

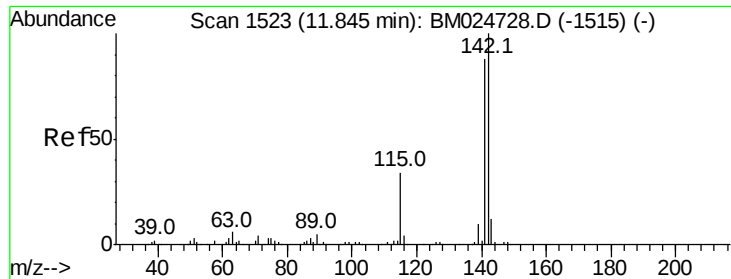
Tot Ion:128 Resp: 210356
Ion Ratio Lower Upper
128 100
129 11.0 9.1 13.7
127 12.6 10.4 15.6



#30
4-Chloroaniline
Concen: 1.378 ng/ul
RT: 10.22 min Scan# 1246
Delta R.T. -0.12 min
Lab File: BM024742.D
Acq: 06 Feb 2020 23:51

Tgt Ion:127 Resp: 26688
Ion Ratio Lower Upper
127 100
129 86.8 25.8 38.8#

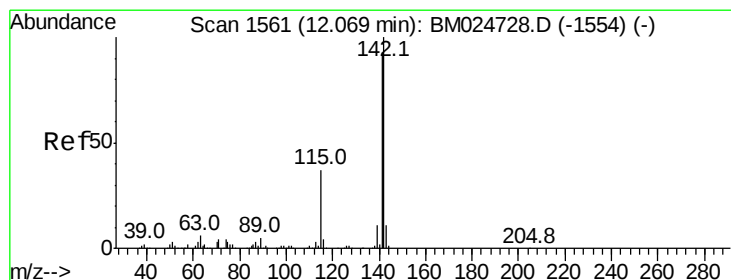
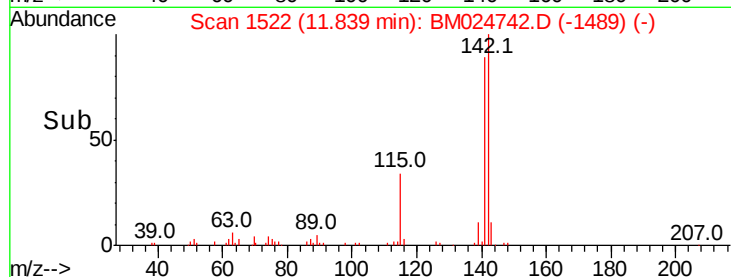
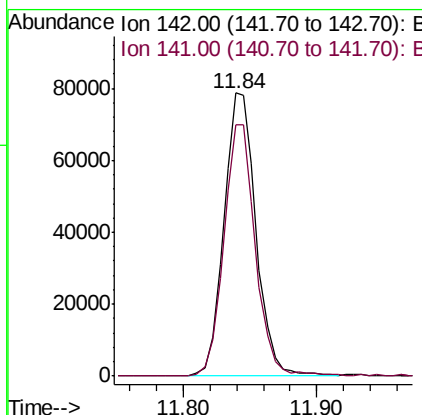
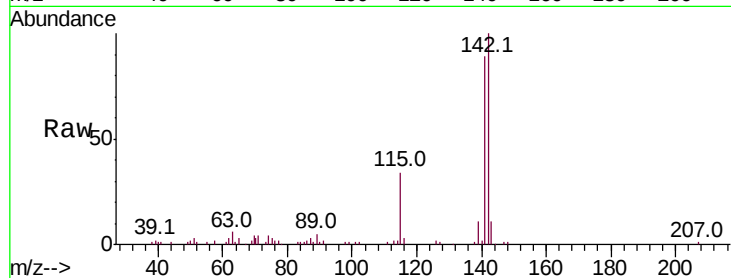




#34
2-Methylnaphthalene
Concen: 2.912 ng/ul
RT: 11.84 min Scan# 1522
Delta R.T. -0.01 min
Lab File: BM024742.D
Acq: 06 Feb 2020 23:51

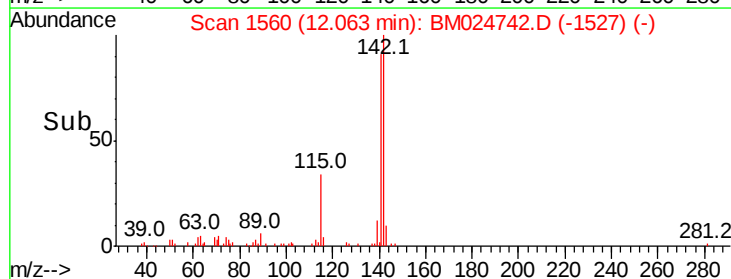
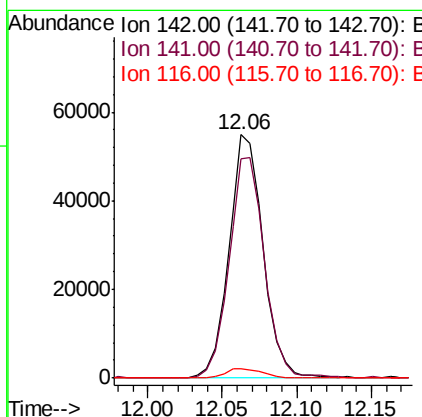
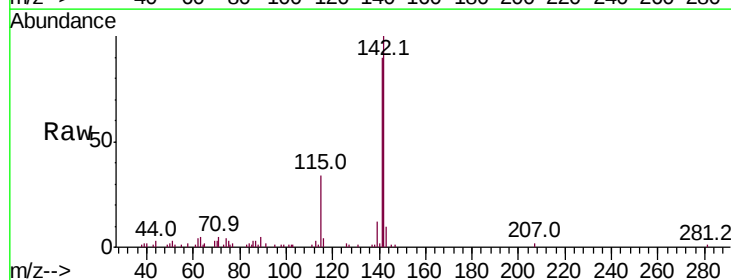
Instrument :
BNA_M
ClientSampled :

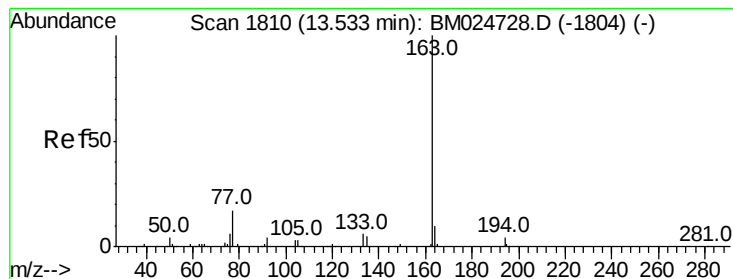
Tot Ion:142 Resp: 131959
Ion Ratio Lower Upper
142 100
141 89.0 70.5 105.7



#35
1-Methylnaphthalene
Concen: 1.932 ng/ul
RT: 12.06 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BM024742.D
Acq: 06 Feb 2020 23:51

Tgt Ion:142 Resp: 87289
Ion Ratio Lower Upper
142 100
141 90.1 74.1 111.1
116 4.0 3.0 4.4





#45

Dimethylphthalate

Concen: 2.015 ng/ul

RT: 13.53 min Scan# 1810

Delta R.T. 0.00 min

Lab File: BM024742.D

Acq: 06 Feb 2020 23:51

Instrument :

BNA_M

ClientSampleId :

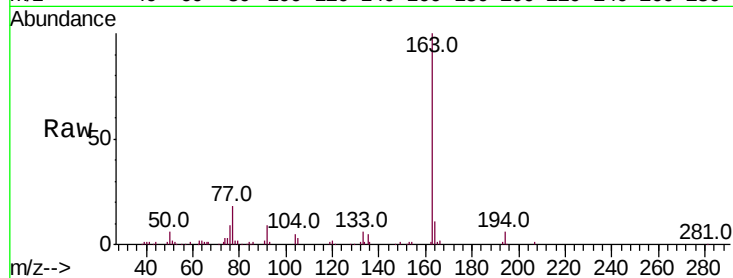
Tot Ion:163 Resp: 127707

Ion Ratio Lower Upper

163 100

194 5.5 3.5 5.3#

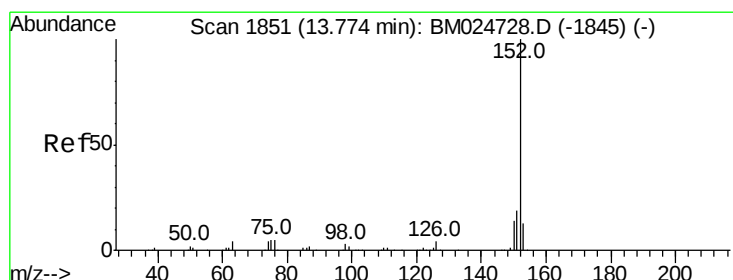
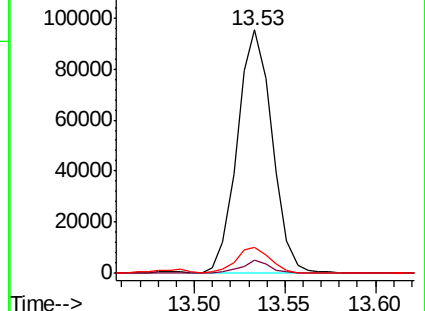
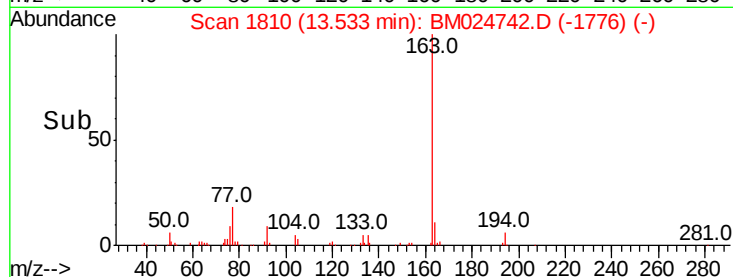
164 10.6 8.2 12.2



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: 1.479 ng/ul

RT: 13.77 min Scan# 1851

Delta R.T. 0.00 min

Lab File: BM024742.D

Acq: 06 Feb 2020 23:51

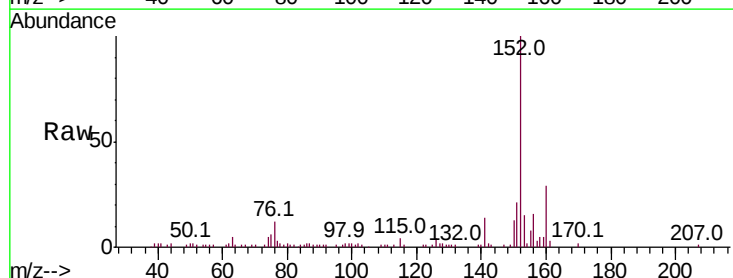
Tgt Ion:152 Resp: 108688

Ion Ratio Lower Upper

152 100

151 20.7 15.1 22.7

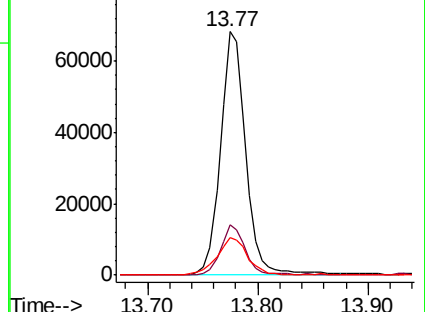
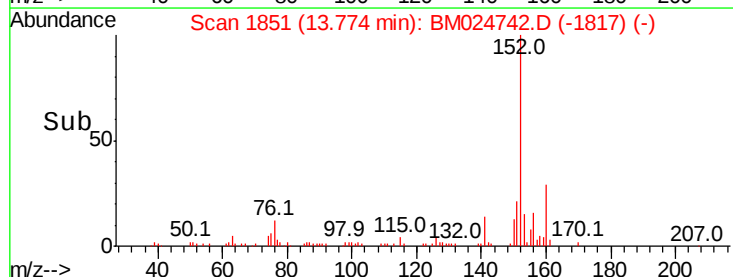
153 15.5 10.1 15.1#

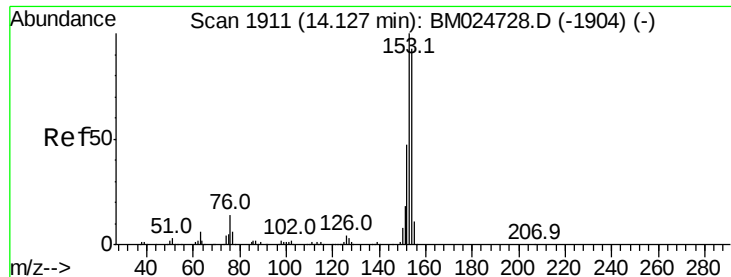


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 6.000 ng/ul

RT: 14.13 min Scan# 1911

Delta R.T. 0.00 min

Lab File: BM024742.D

Acq: 06 Feb 2020 23:51

Instrument :

BNA_M

ClientSampleId :

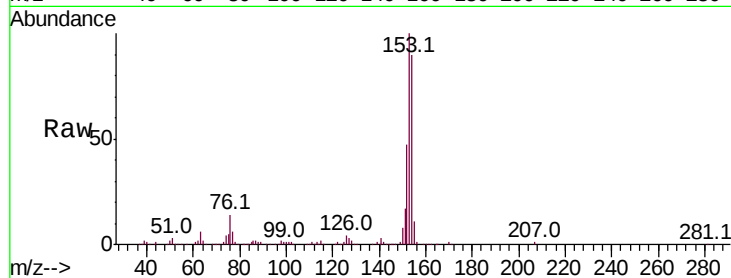
Tot Ion:153 Resp: 297736

Ion Ratio Lower Upper

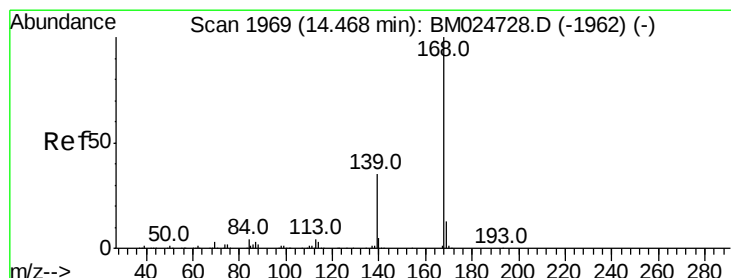
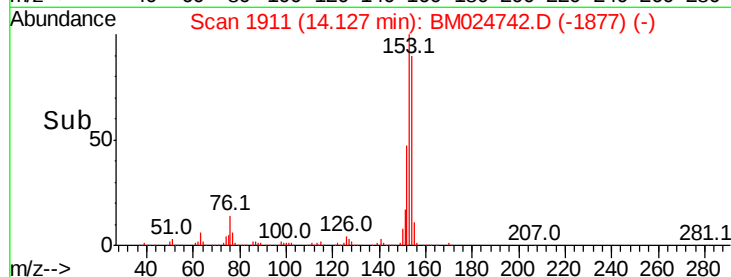
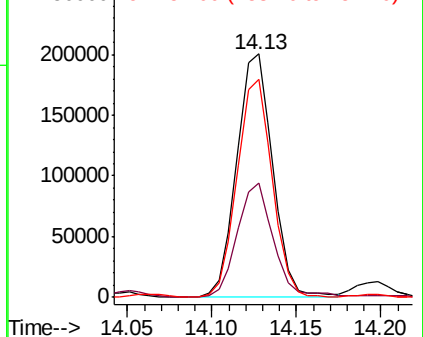
153 100

152 47.1 37.3 55.9

154 89.5 74.1 111.1



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

Dibenzofuran

Concen: 3.001 ng/ul

RT: 14.46 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BM024742.D

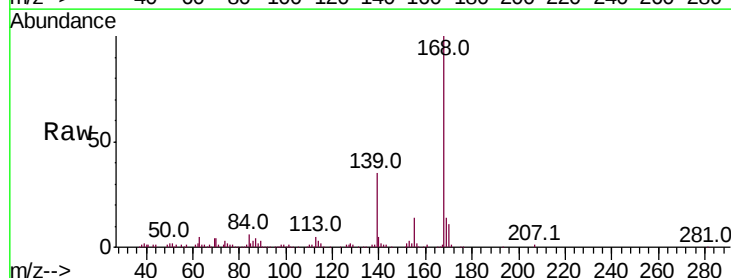
Acq: 06 Feb 2020 23:51

Tgt Ion:168 Resp: 221982

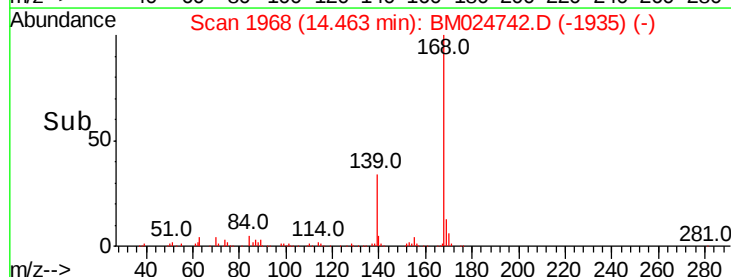
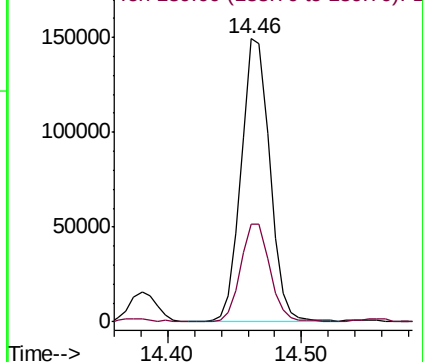
Ion Ratio Lower Upper

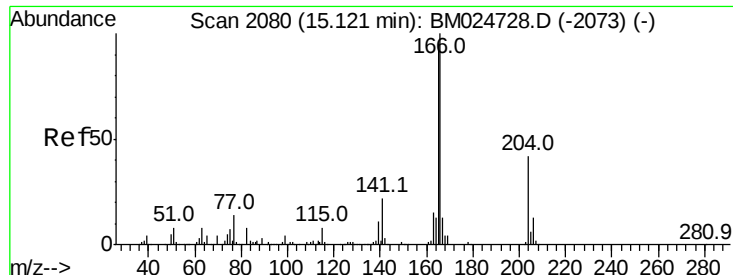
168 100

139 34.7 27.8 41.8



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E

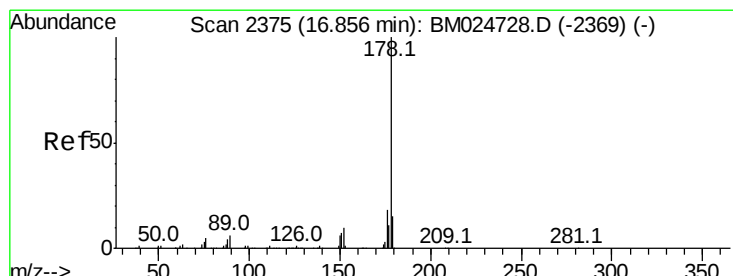
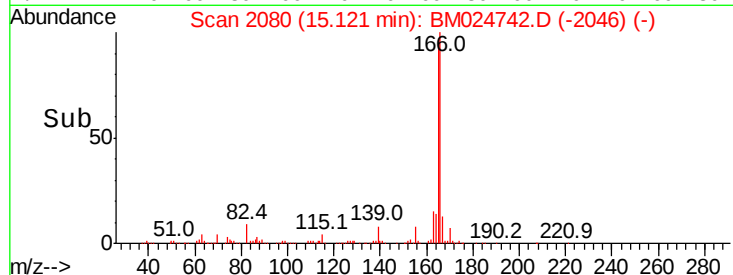
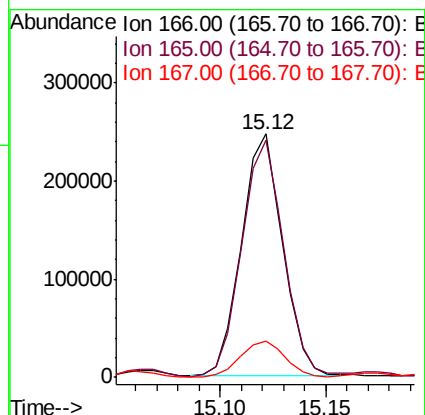
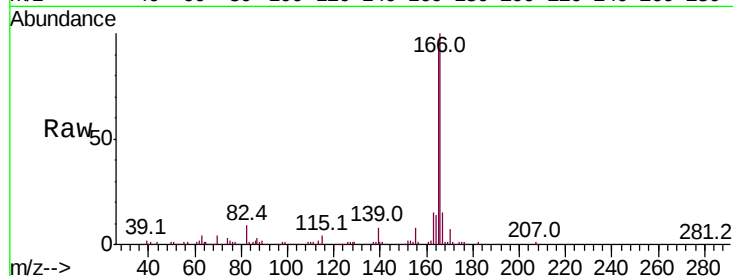




#59
 Fluorene
 Concen: 5.468 ng/ul
 RT: 15.12 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: BM024742.D
 Acq: 06 Feb 2020 23:51

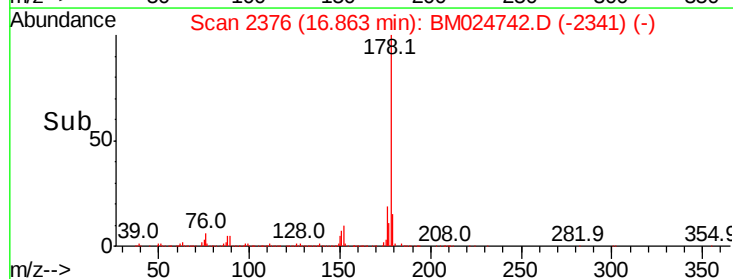
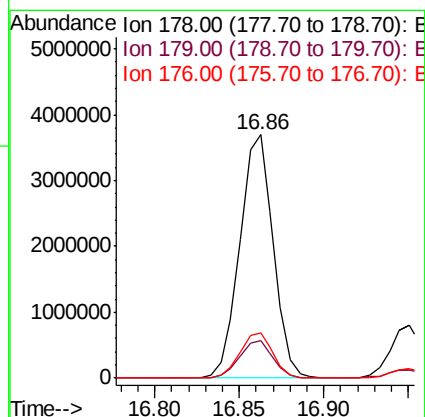
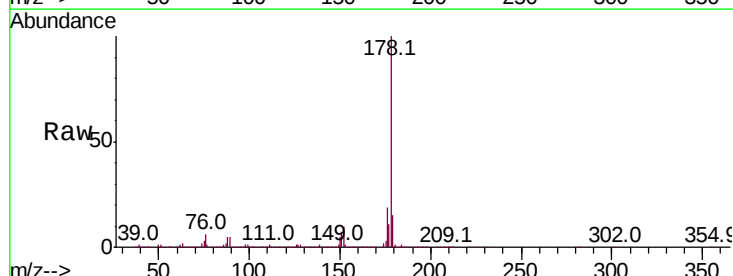
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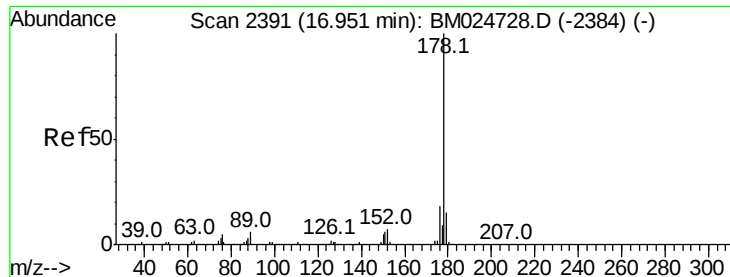
Tot Ion:166 Resp: 333375
 Ion Ratio Lower Upper
 166 100
 165 97.5 75.8 113.8
 167 14.9 10.6 16.0



#70
 Phenanthrene
 Concen: 54.748 ng/ul
 RT: 16.86 min Scan# 2376
 Delta R.T. 0.01 min
 Lab File: BM024742.D
 Acq: 06 Feb 2020 23:51

Tgt Ion:178 Resp: 5080953
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.2 18.2
 176 18.7 14.5 21.7

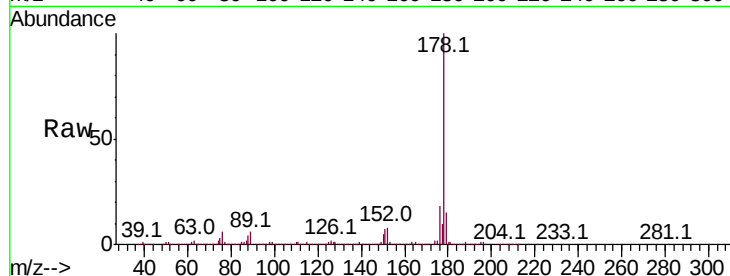




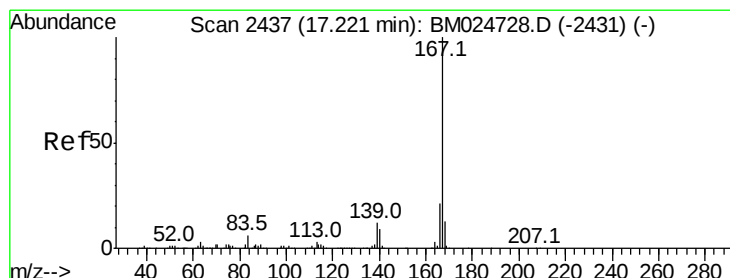
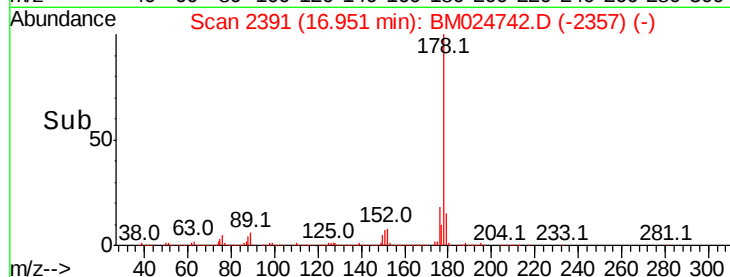
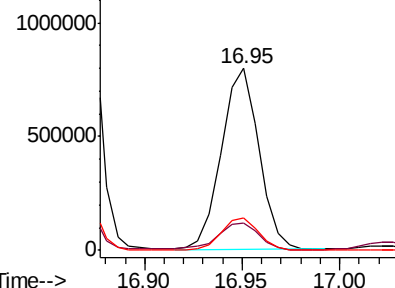
#72
 Anthracene
 Concen: 11.321 ng/ul
 RT: 16.95 min Scan# 2391
 Delta R.T. 0.00 min
 Lab File: BM024742.D
 Acq: 06 Feb 2020 23:51

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:178 Resp: 1065573
 Ion Ratio Lower Upper
 178 100
 179 14.9 12.3 18.5
 176 18.0 14.1 21.1

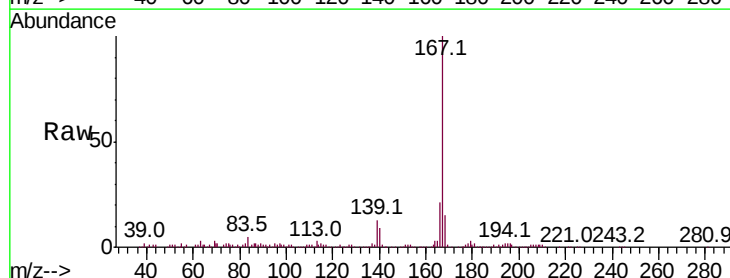


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

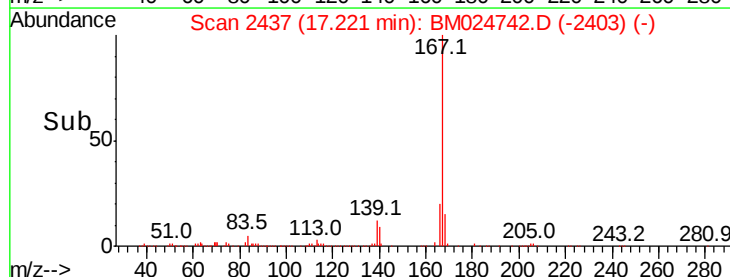
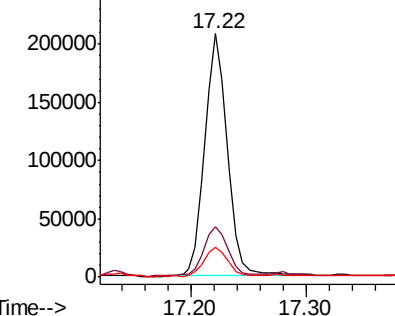


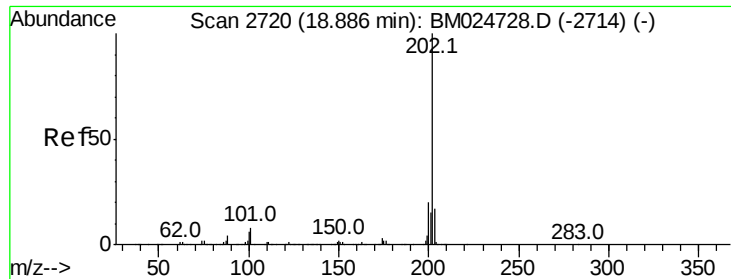
#75
 Carbazole
 Concen: 3.610 ng/ul
 RT: 17.22 min Scan# 2437
 Delta R.T. 0.00 min
 Lab File: BM024742.D
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Tgt Ion:167 Resp: 283059
 Ion Ratio Lower Upper
 167 100
 166 20.9 16.6 24.8
 139 12.5 9.3 13.9



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

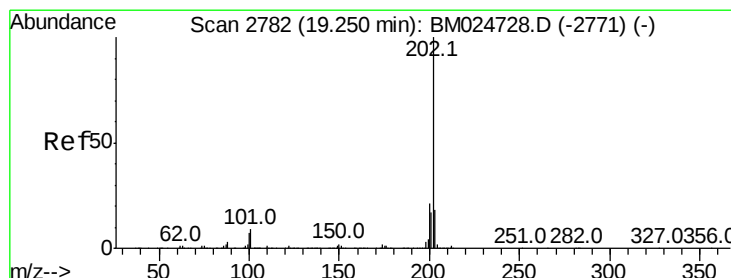
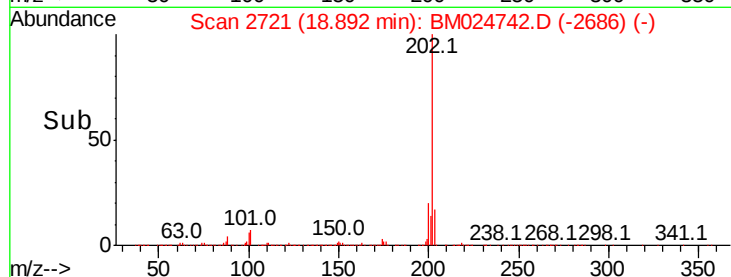
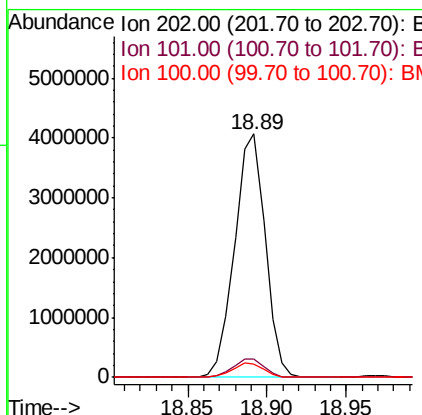
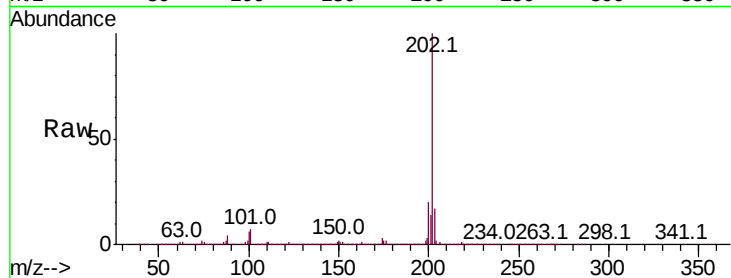




#77
 Fluoranthene
 Concen: 47.764 ng/ul
 RT: 18.89 min Scan# 2721
 Delta R.T. 0.01 min
 Lab File: BM024742.D
 Acq: 06 Feb 2020 23:51

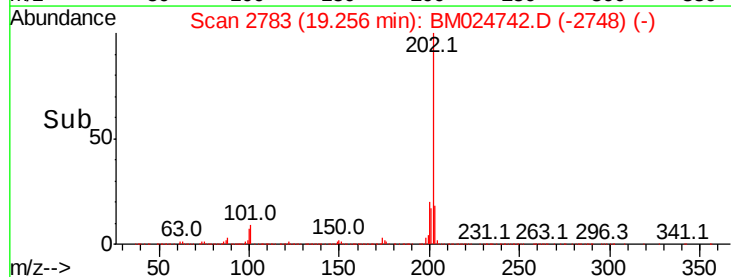
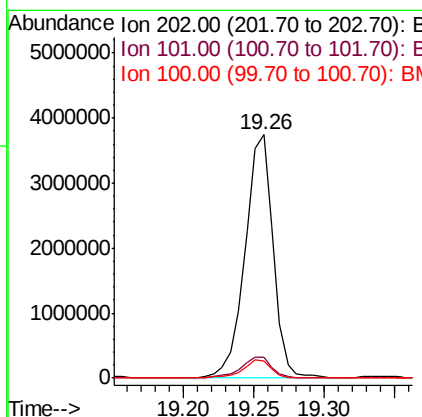
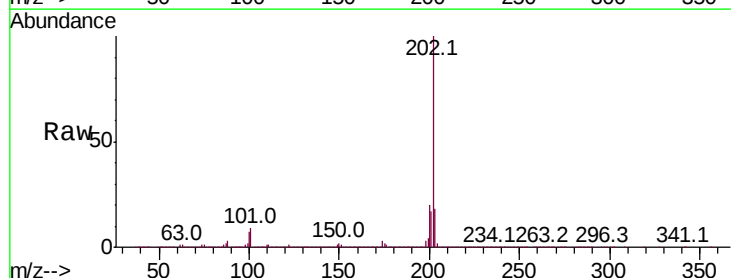
Instrument :
 BNA_M
 ClientSampled :

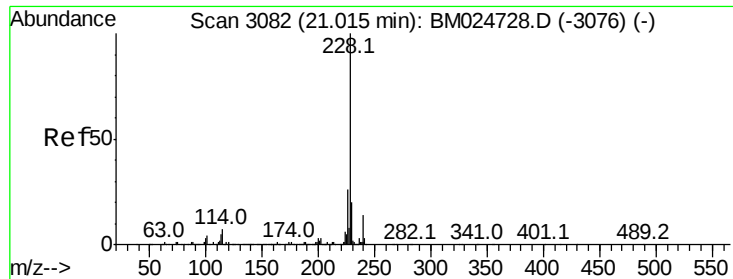
Tot Ion:202 Resp: 5441708
 Ion Ratio Lower Upper
 202 100
 101 7.3 6.1 9.1
 100 5.7 4.8 7.2



#80
 Pyrene
 Concen: 50.991 ng/ul
 RT: 19.26 min Scan# 2783
 Delta R.T. 0.01 min
 Lab File: BM024742.D
 Acq: 06 Feb 2020 23:51

Tgt Ion:202 Resp: 5197157
 Ion Ratio Lower Upper
 202 100
 101 8.8 7.0 10.4
 100 7.1 5.8 8.8

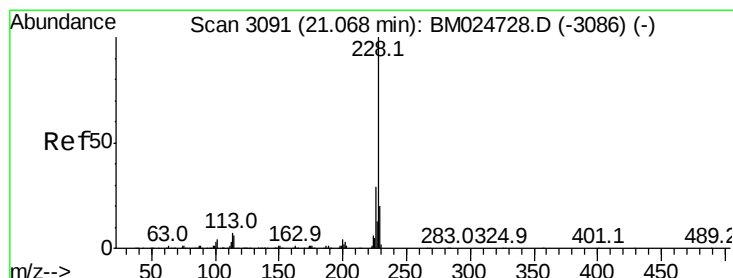
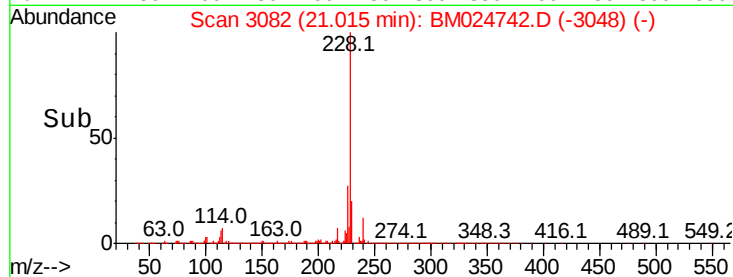
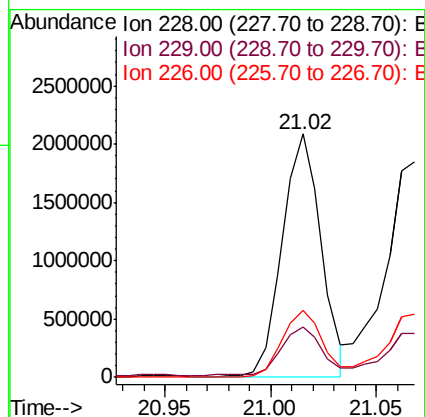
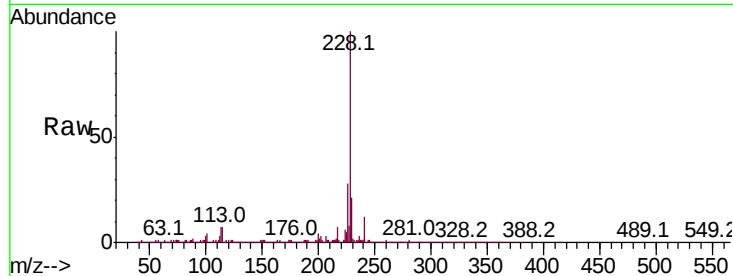




#83
Benzo(a)anthracene
Concen: 25.591 ng/ul
RT: 21.02 min Scan# 3082
Delta R.T. 0.00 min
Lab File: BM024742.D
Acq: 06 Feb 2020 23:51

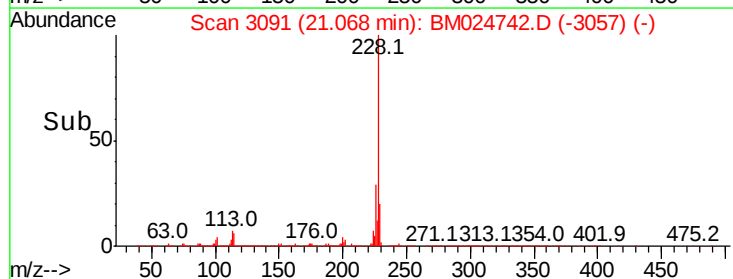
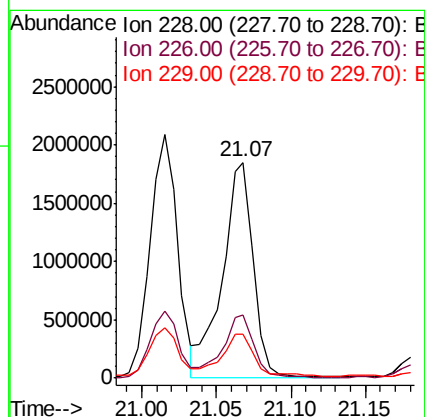
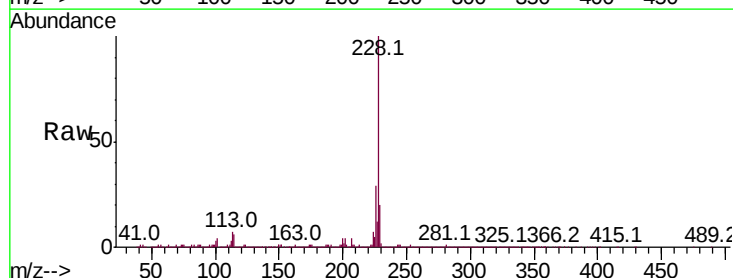
Instrument :
BNA_M
ClientSampleId :

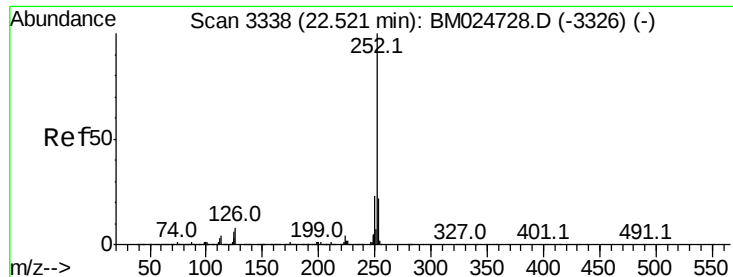
Tot Ion:228 Resp: 2654318
Ion Ratio Lower Upper
228 100
229 20.8 15.9 23.9
226 27.7 20.8 31.2



#85
Chrysene
Concen: 26.247 ng/ul
RT: 21.07 min Scan# 3091
Delta R.T. 0.00 min
Lab File: BM024742.D
Acq: 06 Feb 2020 23:51

Tgt Ion:228 Resp: 2680150
Ion Ratio Lower Upper
228 100
226 29.4 23.0 34.4
229 20.3 15.8 23.8





#88

Benzo(b)fluoranthene

Concen: 25.403 ng/ul

RT: 22.52 min Scan# 3338

Delta R.T. 0.00 min

Lab File: BM024742.D

Acq: 06 Feb 2020 23:51

Instrument :

BNA_M

ClientSampleId :

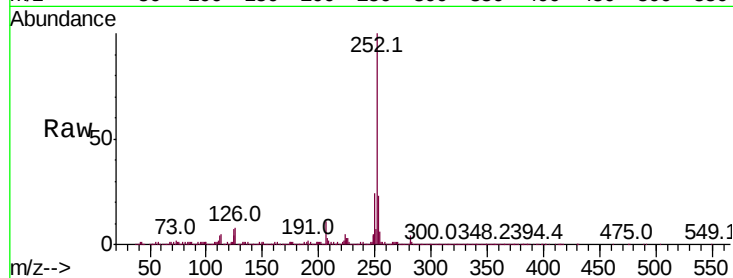
Tot Ion:252 Resp: 2797104

Ion Ratio Lower Upper

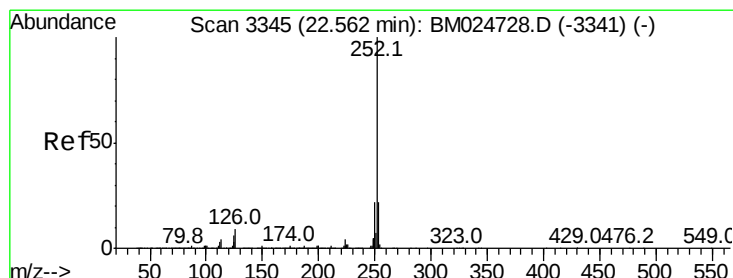
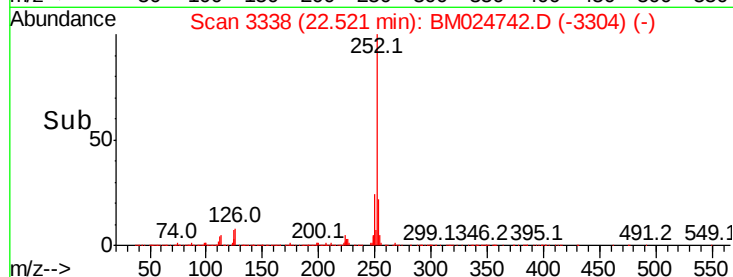
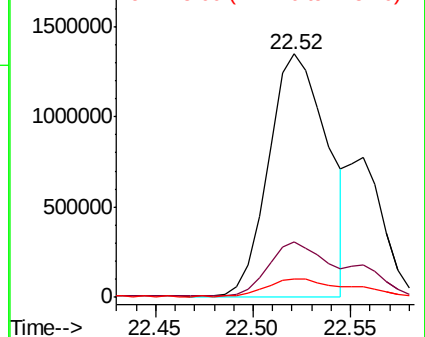
252 100

253 23.0 17.3 25.9

125 7.3 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: 26.393 ng/ul

RT: 22.52 min Scan# 3338

Delta R.T. -0.04 min

Lab File: BM024742.D

Acq: 06 Feb 2020 23:51

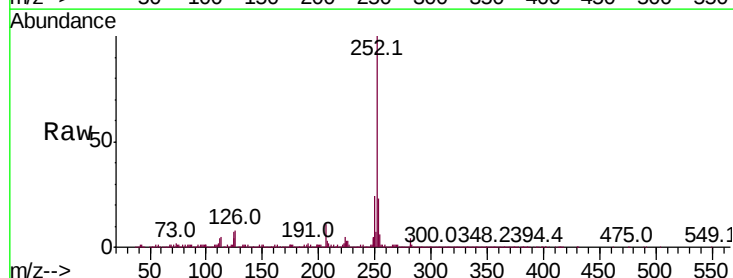
Tgt Ion:252 Resp: 2797104

Ion Ratio Lower Upper

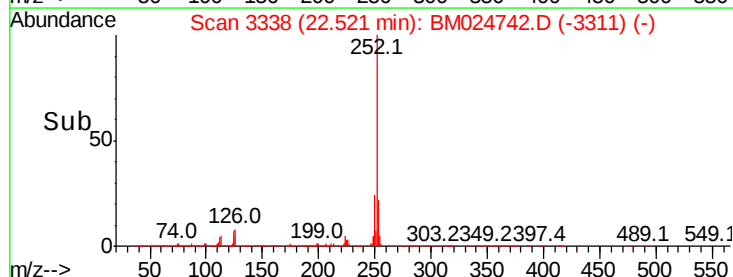
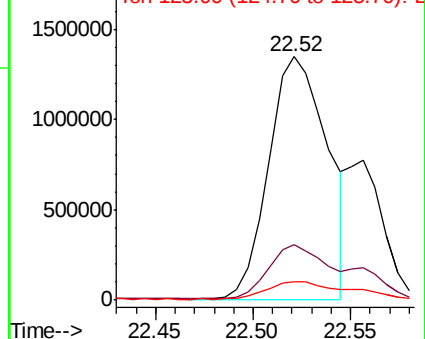
252 100

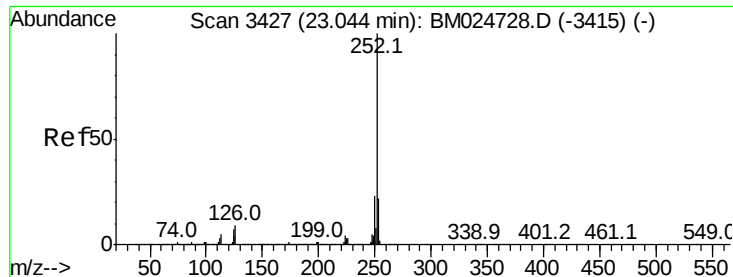
253 23.0 17.4 26.0

125 7.3 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





#91

Benzo(a)pyrene

Concen: 19.999 ng/ul

RT: 23.04 min Scan# 3427

Delta R.T. 0.00 min

Lab File: BM024742.D

Acq: 06 Feb 2020 23:51

Instrument :

BNA_M

ClientSampleId :

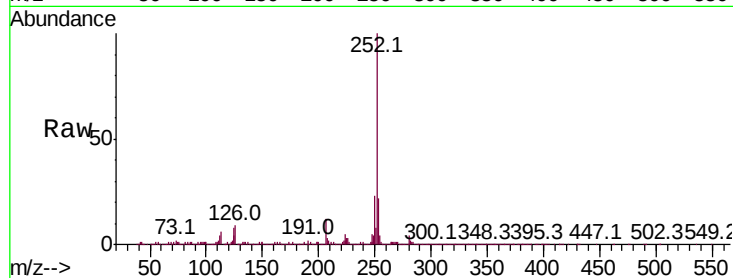
Tot Ion:252 Resp: 1974163

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	7.7	5.6	8.4

252 100

253 22.1 17.5 26.3

125 7.7 5.6 8.4

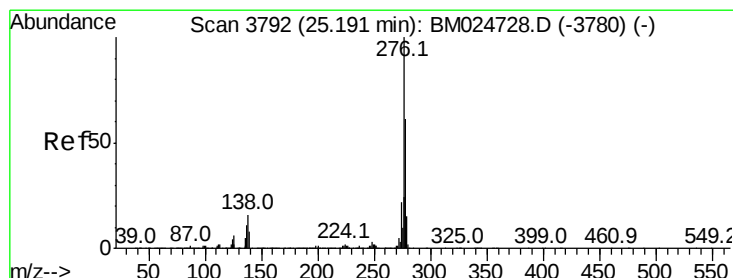
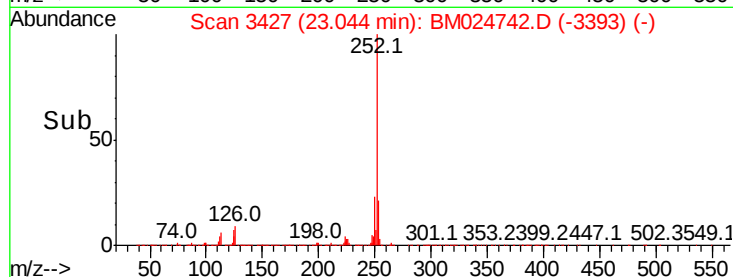
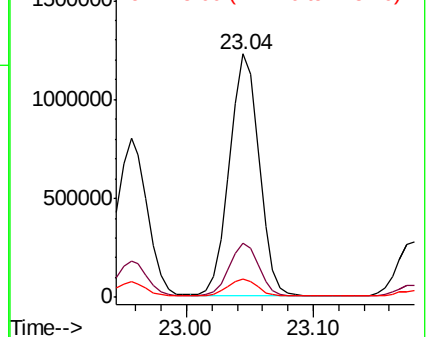


Abundance

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: 10.191 ng/ul

RT: 25.19 min Scan# 3791

Delta R.T. -0.01 min

Lab File: BM024742.D

Acq: 06 Feb 2020 23:51

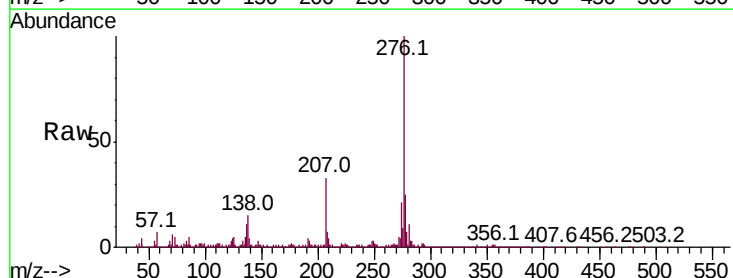
Tgt Ion:276 Resp: 1252447

Ion	Ratio	Lower	Upper
276	100		
138	14.5	12.8	19.2
277	24.3	19.3	28.9

276 100

138 14.5 12.8 19.2

277 24.3 19.3 28.9

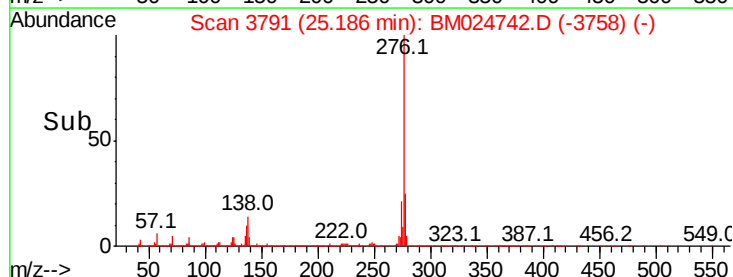
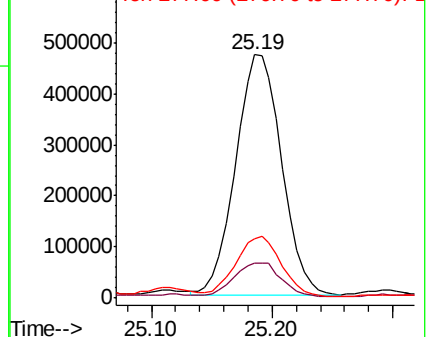


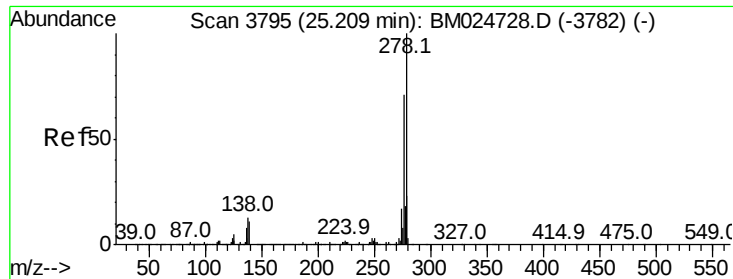
Abundance

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: 3.703 ng/ul

RT: 25.20 min Scan# 3793

Delta R.T. -0.01 min

Lab File: BM024742.D

Acq: 06 Feb 2020 23:51

Instrument :

BNA_M

ClientSampleId :

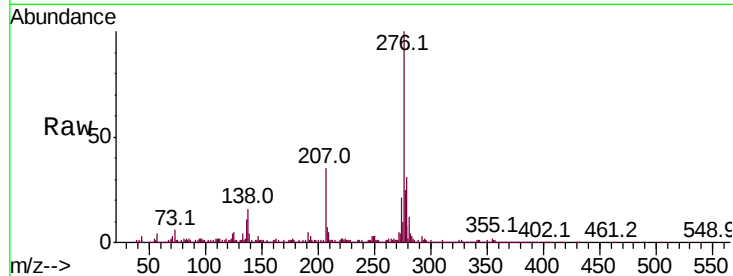
Tot Ion:278 Resp: 387791

Ion Ratio Lower Upper

278 100

139 13.9 8.4 12.6#

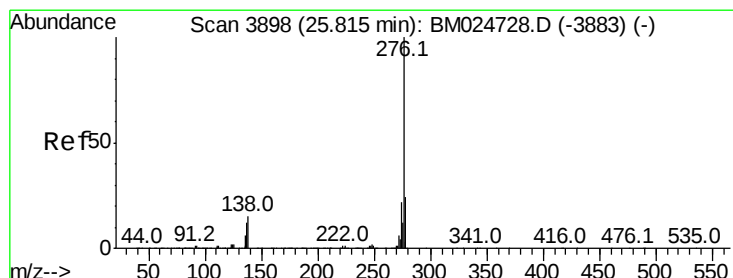
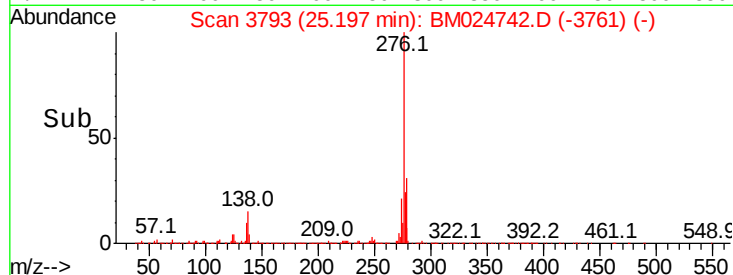
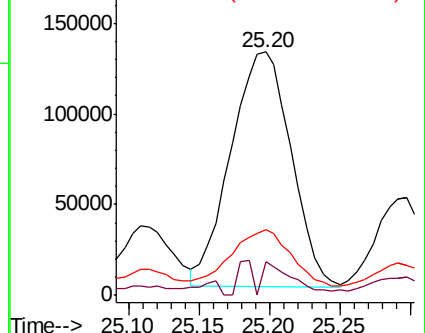
279 27.2 18.5 27.7



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: 11.229 ng/ul

RT: 25.81 min Scan# 3898

Delta R.T. 0.00 min

Lab File: BM024742.D

Acq: 06 Feb 2020 23:51

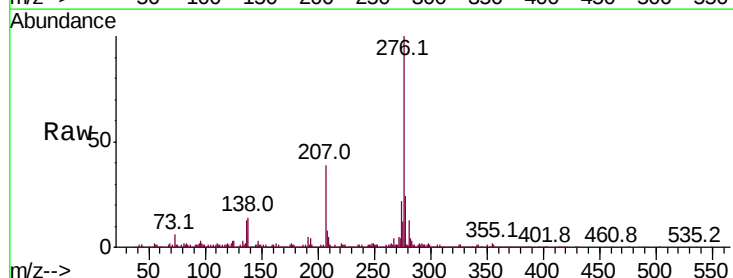
Tgt Ion:276 Resp: 1147772

Ion Ratio Lower Upper

276 100

138 13.9 11.8 17.6

277 24.3 19.0 28.6



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

