

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\
 Data File : BM024798.D
 Acq On : 08 Feb 2020 14:27
 Operator : CG/JU
 Sample : L1400-17
 Misc :
 ALS Vial : 77 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 10 00:12:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 07 07:38:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	331516	20.00	ng/ul	0.00
18) Naphthalene-d8	10.16	136	1266168	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.06	164	821477	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.81	188	1762512	20.00	ng/ul	0.00
78) Chrysene-d12	21.02	240	1641742	20.00	ng/ul	-0.01
86) Perylene-d12	23.13	264	1739616	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	23025	3.34	ng/uL	0.00
5) Phenol-d5	6.60	99	431412	19.59	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	6.75	67	271741	21.85	ng/ul	-0.01
9) 2-Chlorophenol-d4	6.95	132	394363	19.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.12	113	355927	19.15	ng/ul	-0.01
19) Nitrobenzene-d5	8.54	128	195972	21.40	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.26	143	233009	21.54	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.79	165	428902	19.65	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.30	131	496449	24.32	ng/ul	0.00
44) Dimethylphthalate-d6	13.48	166	1512495	24.39	ng/ul	0.00
47) Acenaphthylene-d8	13.74	160	1544117	21.32	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.28	143	194174	19.27	ng/ul	0.00
58) Fluorene-d10	15.06	176	1205168	21.95	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.19	200	211546	18.41	ng/ul	0.00
71) Anthracene-d10	16.91	188	1738709	21.61	ng/ul	0.00
79) Pyrene-d10	19.22	212	1826633	22.24	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.99	264	1805941	20.67	ng/ul	-0.01

Target Compounds

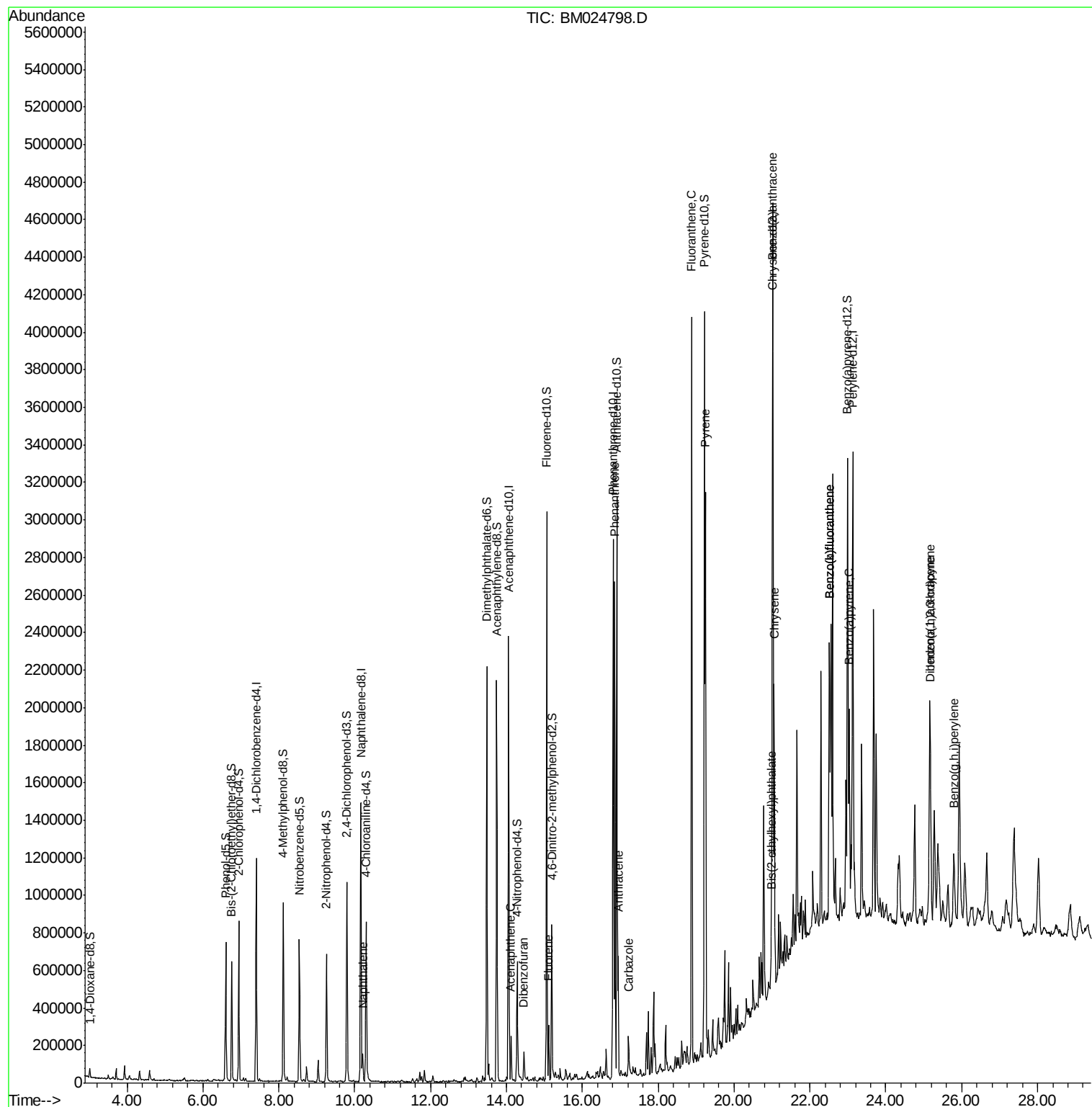
					Ovalue	
28) Naphthalene	10.21	128	122747	1.897	ng/ul	96
50) Acenaphthene	14.12	153	94273	1.861	ng/ul	97
54) Dibenzofuran	14.46	168	94307	1.249	ng/ul	97
59) Fluorene	15.12	166	114849	1.845	ng/ul	94
70) Phenanthrene	16.85	178	1605204	16.703	ng/ul	99
72) Anthracene	16.94	178	387399	3.975	ng/ul	99
75) Carbazole	17.22	167	136724	1.684	ng/ul	97
77) Fluoranthene	18.88	202	2429663	20.595	ng/ul	99
80) Pyrene	19.24	202	1912393	17.598	ng/ul	99
83) Benzo(a)anthracene	21.01	228	1067813	9.656	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	20.98	149	95932	1.491	ng/ul	98
85) Chrysene	21.06	228	960136	8.819	ng/ul	99
88) Benzo(b)fluoranthene	22.51	252	1326683	11.993	ng/ul#	99
89) Benzo(k)fluoranthene	22.51	252	1326683	12.460	ng/ul#	99
91) Benzo(a)pyrene	23.03	252	818069	8.249	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.17	276	574726	4.655	ng/ul	99
93) Dibenzo(a,h)anthracene	25.18	278	161232	1.533	ng/ul#	95
94) Benzo(g,h,i)perylene	25.80	276	458740	4.467	ng/ul	100

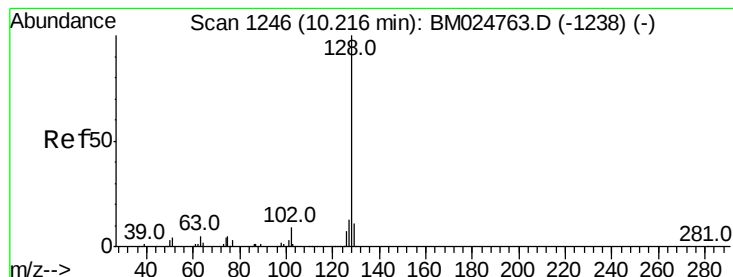
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 07 07:38:13 2020
Response via : Initial Calibration





#28

Naphthalene

Concen: 1.897 ng/ul

RT: 10.21 min Scan# 1245

Delta R.T. -0.01 min

Lab File: BM024798.D

Acq: 08 Feb 2020 14:27

Instrument :

BNA_M

ClientSampled :

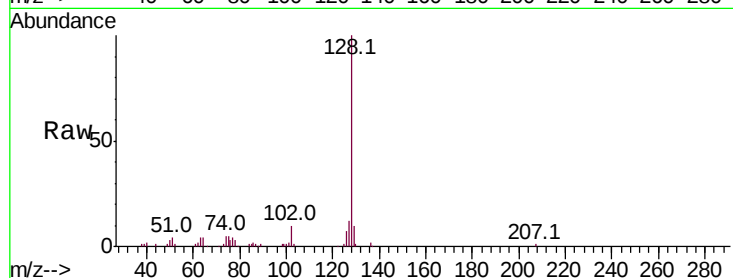
Tot Ion:128 Resp: 122747

Ion Ratio Lower Upper

128 100

129 9.9 9.1 13.7

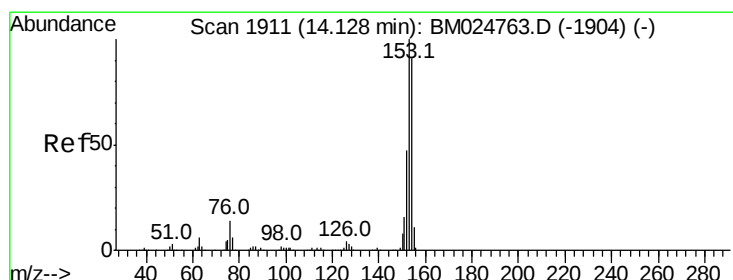
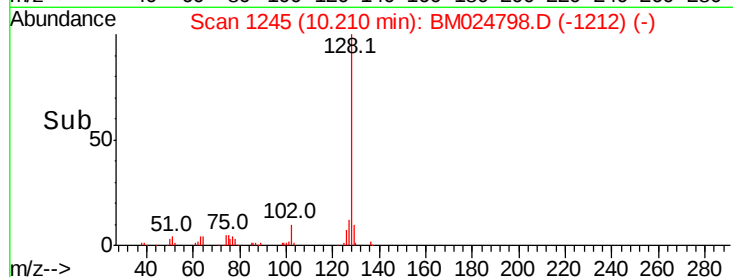
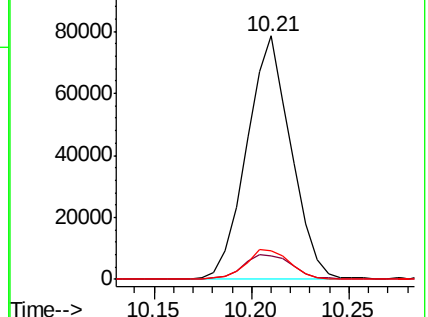
127 11.7 10.4 15.6



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



#50

Acenaphthene

Concen: 1.861 ng/ul

RT: 14.12 min Scan# 1910

Delta R.T. -0.01 min

Lab File: BM024798.D

Acq: 08 Feb 2020 14:27

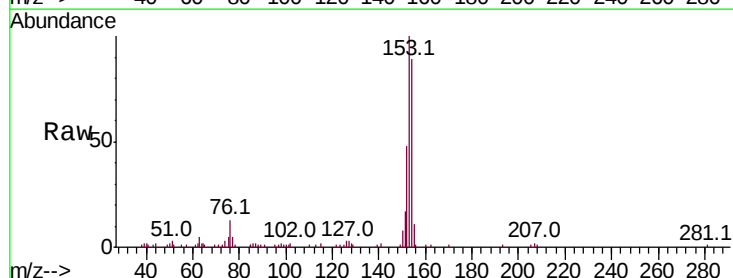
Tgt Ion:153 Resp: 94273

Ion Ratio Lower Upper

153 100

152 48.2 37.3 55.9

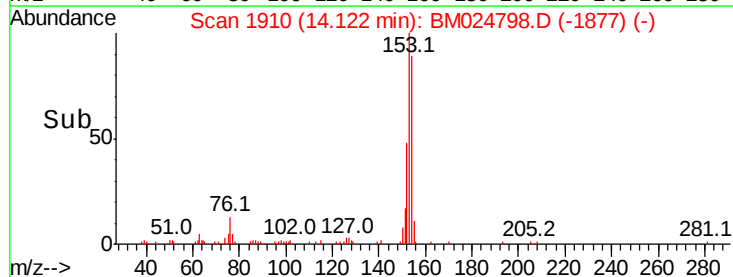
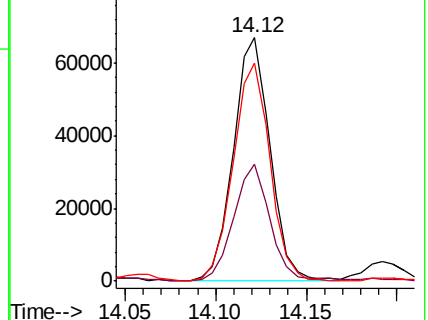
154 89.4 74.1 111.1

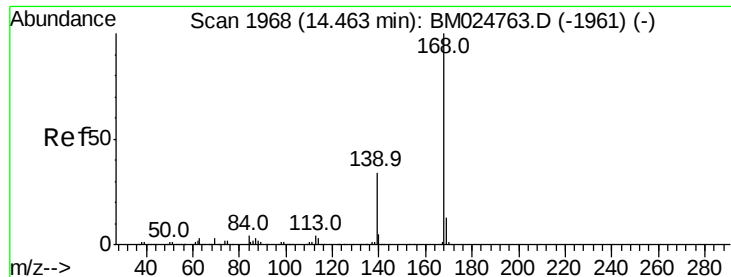


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 1.249 ng/ul

RT: 14.46 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BM024798.D

Acq: 08 Feb 2020 14:27

Instrument :

BNA_M

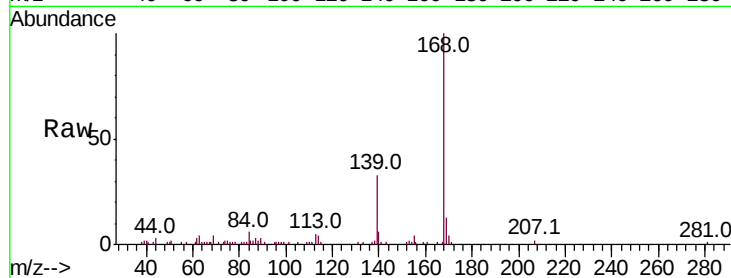
ClientSampleId :

Tot Ion:168 Resp: 94307

Ion Ratio Lower Upper

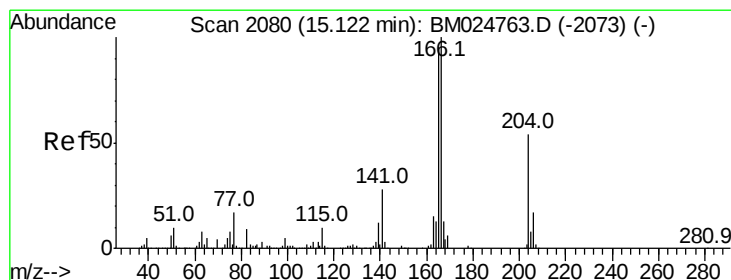
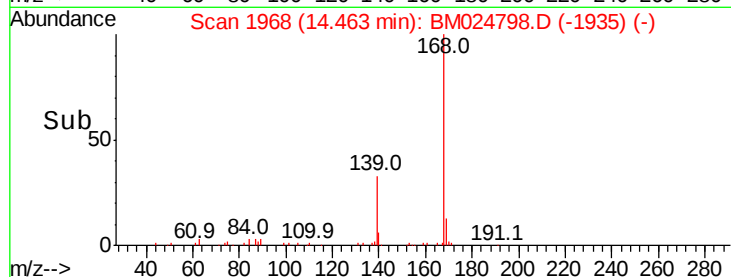
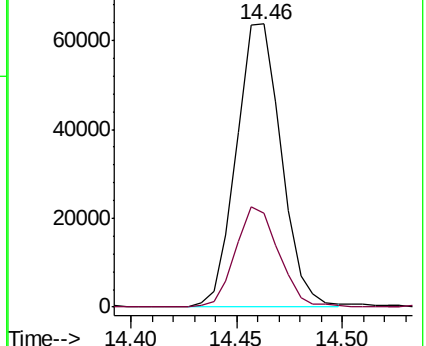
168 100

139 33.2 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: 1.845 ng/ul

RT: 15.12 min Scan# 2079

Delta R.T. -0.01 min

Lab File: BM024798.D

Acq: 08 Feb 2020 14:27

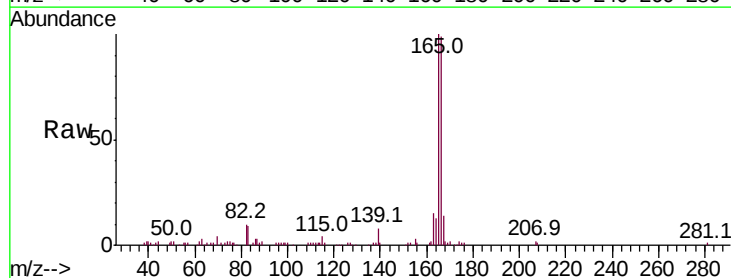
Tgt Ion:166 Resp: 114849

Ion Ratio Lower Upper

166 100

165 100.9 75.8 113.8

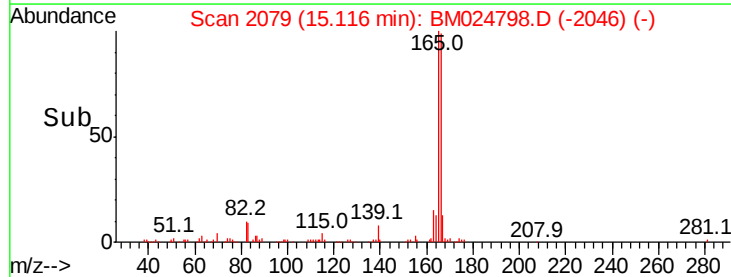
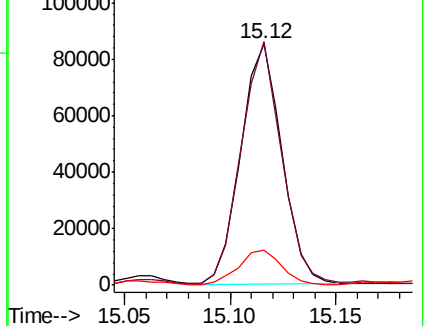
167 14.3 10.6 16.0

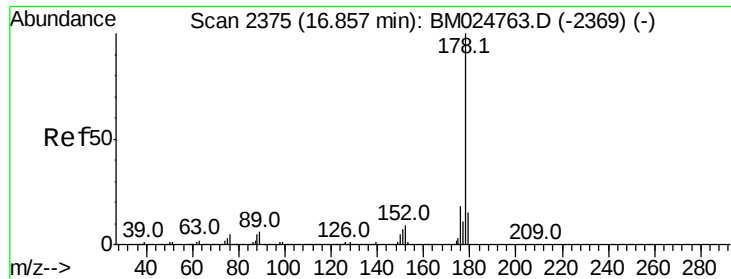


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 16.703 ng/ul

RT: 16.85 min Scan# 2374

Delta R.T. -0.01 min

Lab File: BM024798.D

Acq: 08 Feb 2020 14:27

Instrument :

BNA_M

ClientSampleId :

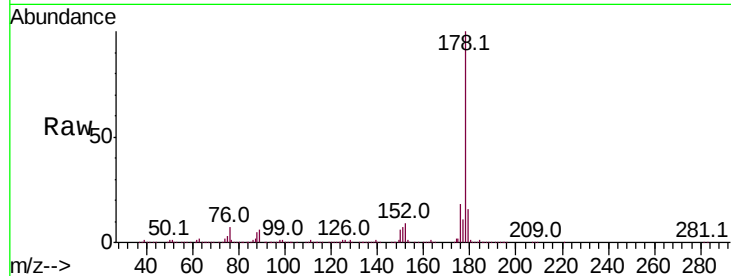
Tot Ion:178 Resp: 1605204

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.2

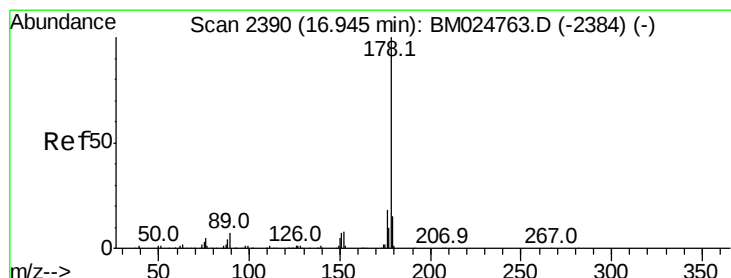
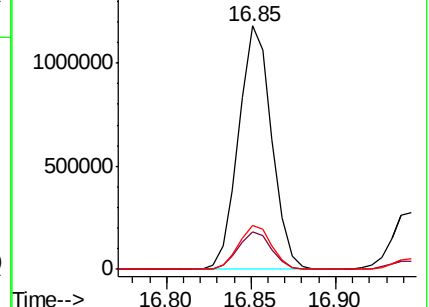
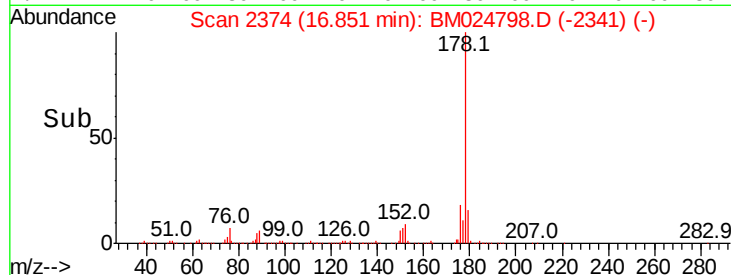
176 17.9 14.5 21.7



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



#72

Anthracene

Concen: 3.975 ng/ul

RT: 16.94 min Scan# 2390

Delta R.T. -0.01 min

Lab File: BM024798.D

Acq: 08 Feb 2020 14:27

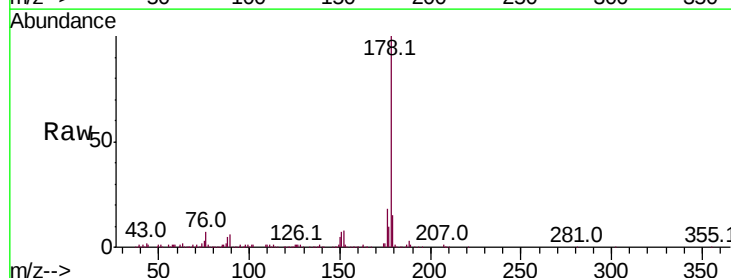
Tgt Ion:178 Resp: 387399

Ion Ratio Lower Upper

178 100

179 15.1 12.3 18.5

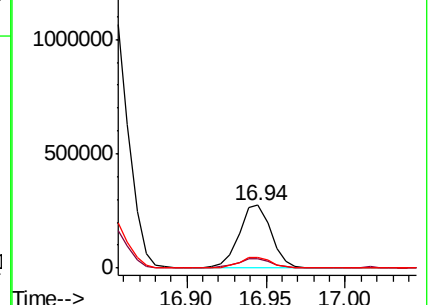
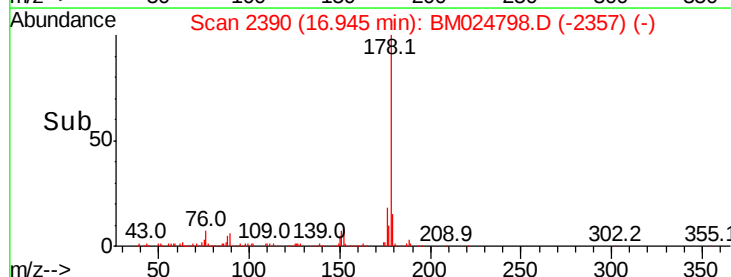
176 17.8 14.1 21.1

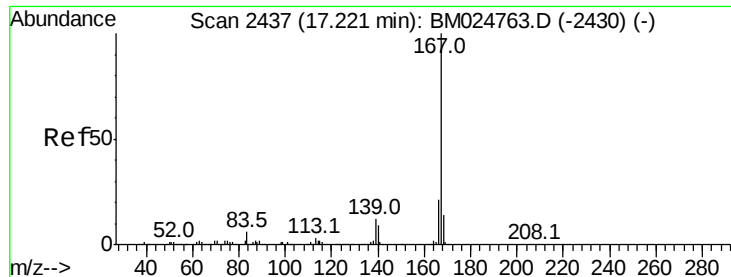


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.684 ng/ul

RT: 17.22 min Scan# 2436

Delta R.T. -0.01 min

Lab File: BM024798.D

Acq: 08 Feb 2020 14:27

Instrument :

BNA_M

ClientSampleId :

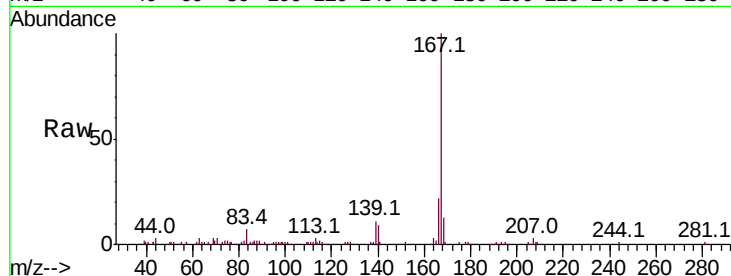
Tot Ion:167 Resp: 136724

Ion Ratio Lower Upper

167 100

166 22.1 16.6 24.8

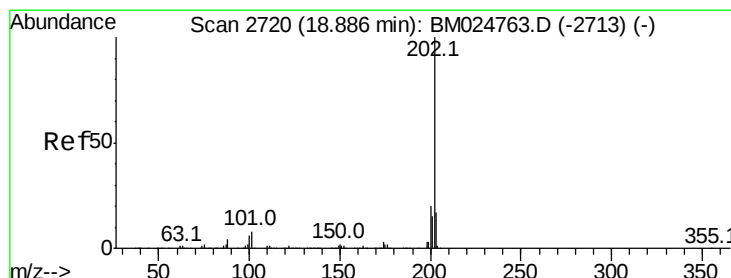
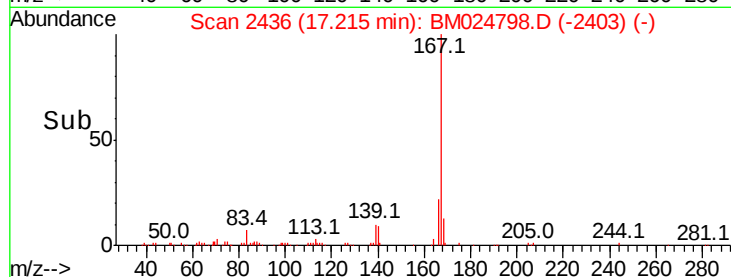
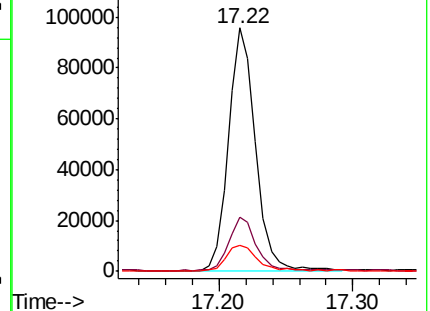
139 10.8 9.3 13.9



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: 20.595 ng/ul

RT: 18.88 min Scan# 2719

Delta R.T. -0.01 min

Lab File: BM024798.D

Acq: 08 Feb 2020 14:27

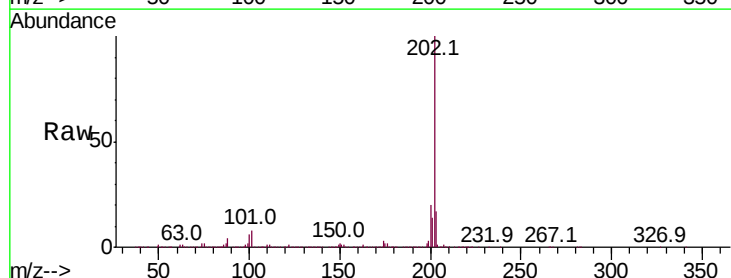
Tgt Ion:202 Resp: 2429663

Ion Ratio Lower Upper

202 100

101 7.9 6.1 9.1

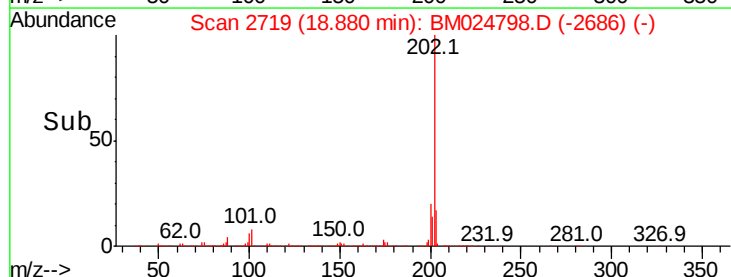
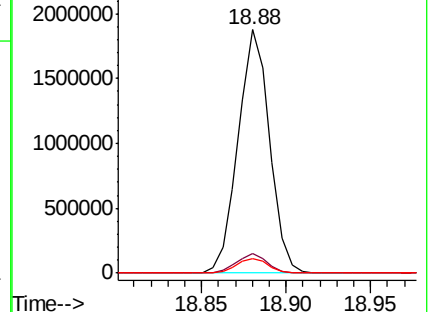
100 6.2 4.8 7.2

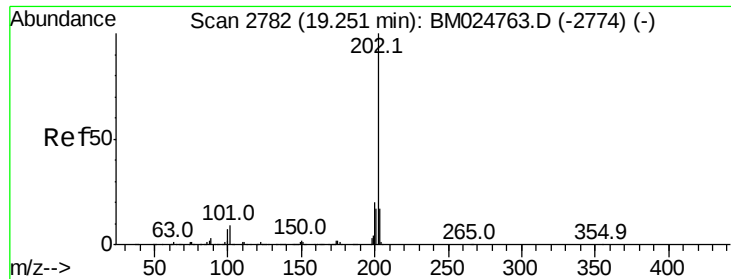


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

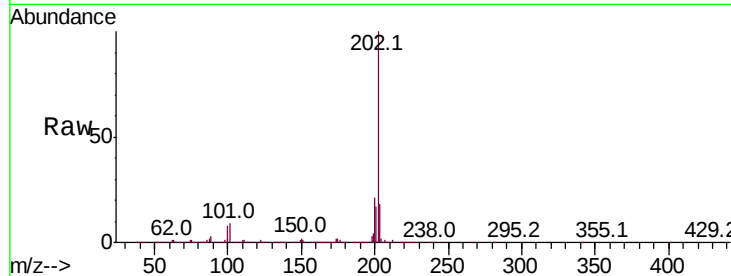




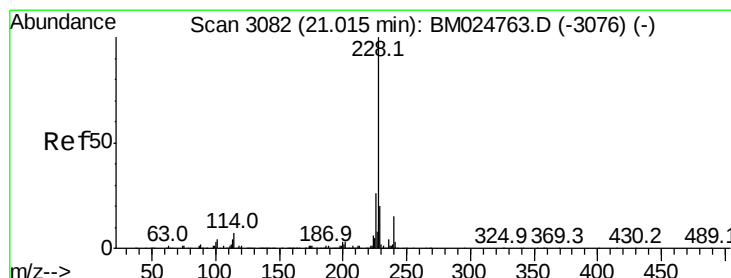
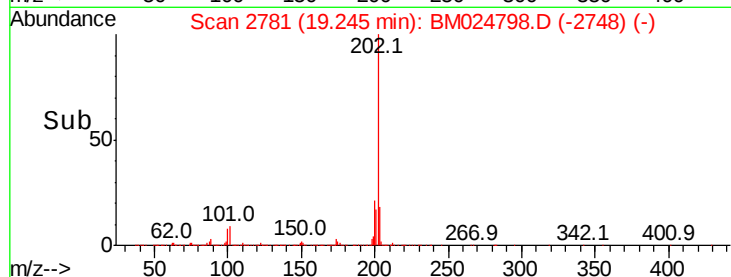
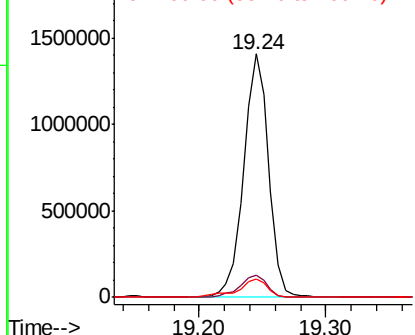
#80
Pvrene
Concen: 17.598 ng/ul
RT: 19.24 min Scan# 2781
Delta R.T. -0.01 min
Lab File: BM024798.D
Acq: 08 Feb 2020 14:27

Instrument :
BNA_M
ClientSampleId :

Tot Ion:202 Resp: 1912393
Ion Ratio Lower Upper
202 100
101 9.2 7.0 10.4
100 7.6 5.8 8.8

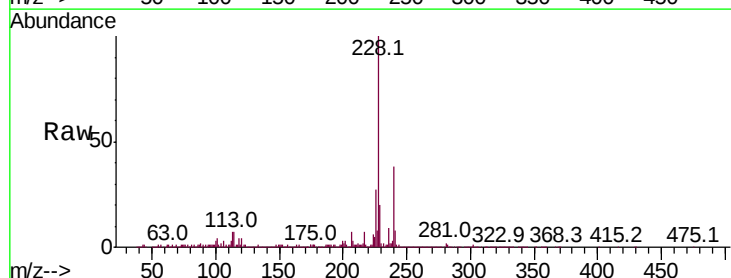


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

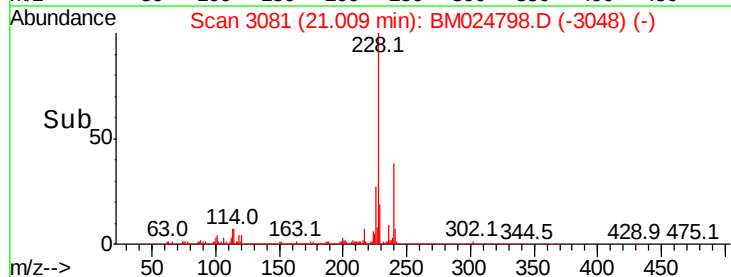
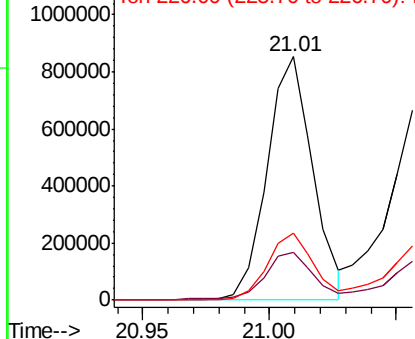


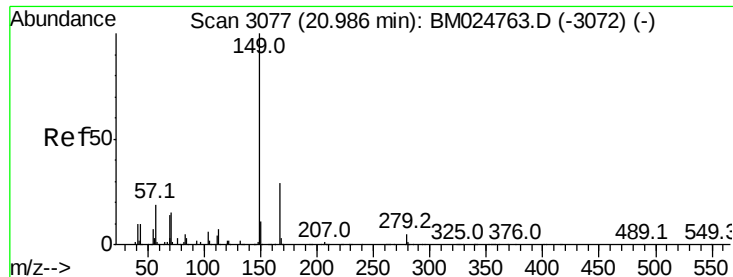
#83
Benzo(a)anthracene
Concen: 9.656 ng/ul
RT: 21.01 min Scan# 3081
Delta R.T. -0.01 min
Lab File: BM024798.D
Acq: 08 Feb 2020 14:27

Tgt Ion:228 Resp: 1067813
Ion Ratio Lower Upper
228 100
229 19.7 15.9 23.9
226 27.4 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

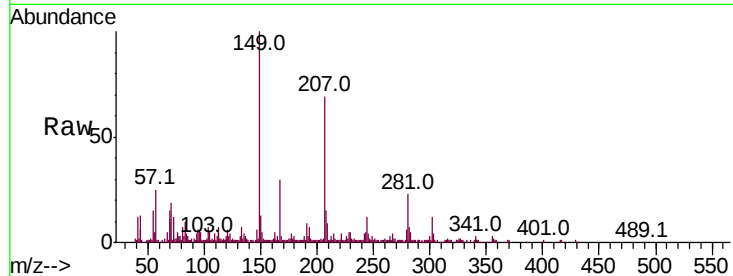




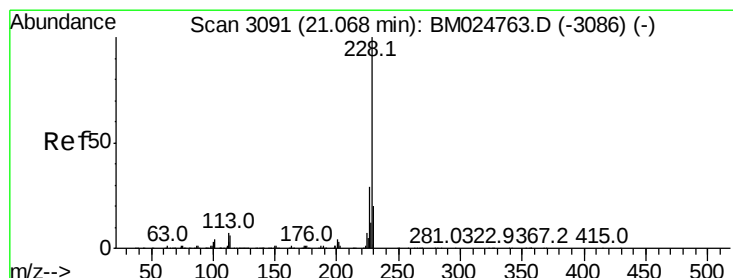
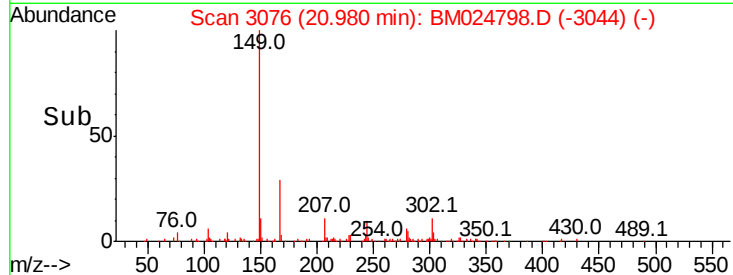
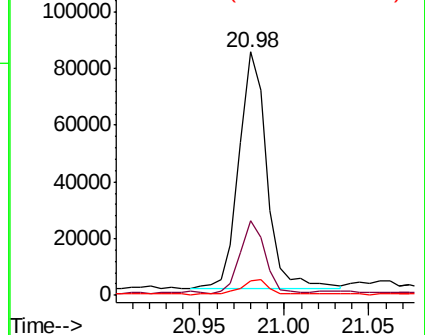
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 1.491 ng/ul
 RT: 20.98 min Scan# 3076
 Delta R.T. -0.01 min
 Lab File: BM024798.D
 Acq: 08 Feb 2020 14:27

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:149 Resp: 95932
 Ion Ratio Lower Upper
 149 100
 167 30.5 23.4 35.2
 279 6.1 4.7 7.1

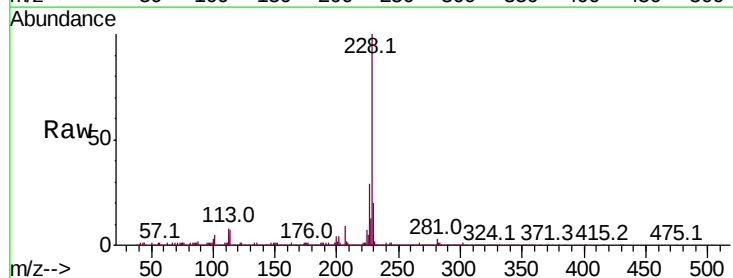


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

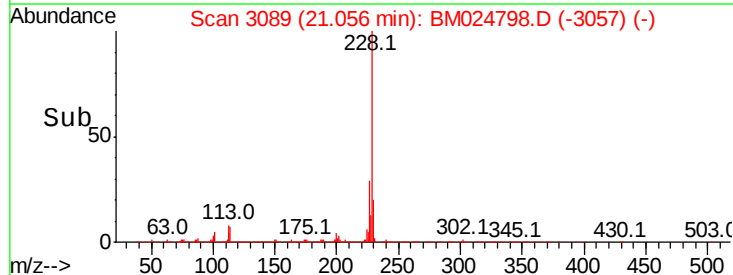
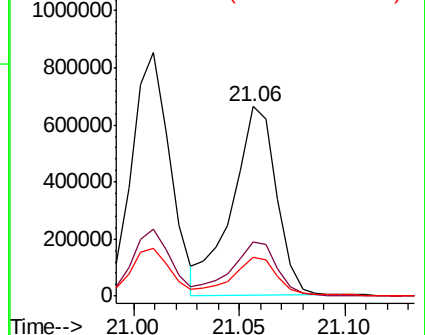


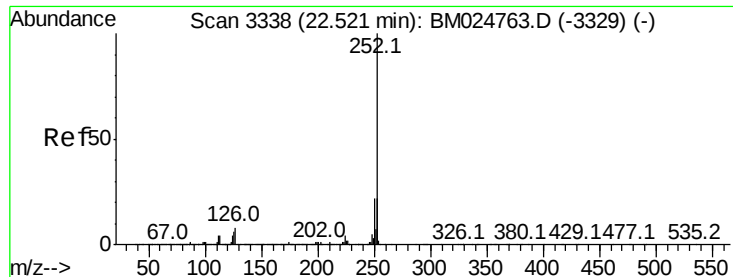
#85
 Chrysene
 Concen: 8.819 ng/ul
 RT: 21.06 min Scan# 3089
 Delta R.T. -0.01 min
 Lab File: BM024798.D
 Acq: 08 Feb 2020 14:27

Tgt Ion:228 Resp: 960136
 Ion Ratio Lower Upper
 228 100
 226 28.9 23.0 34.4
 229 20.3 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: 11.993 ng/ul

RT: 22.51 min Scan# 3336

Delta R.T. -0.01 min

Lab File: BM024798.D

Acq: 08 Feb 2020 14:27

Instrument :

BNA_M

ClientSampleId :

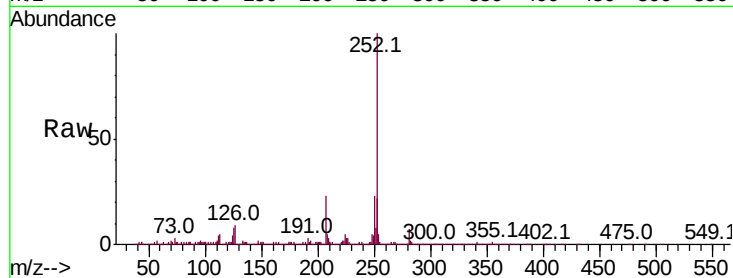
Tot Ion:252 Resp: 1326683

Ion Ratio Lower Upper

252 100

253 21.7 17.3 25.9

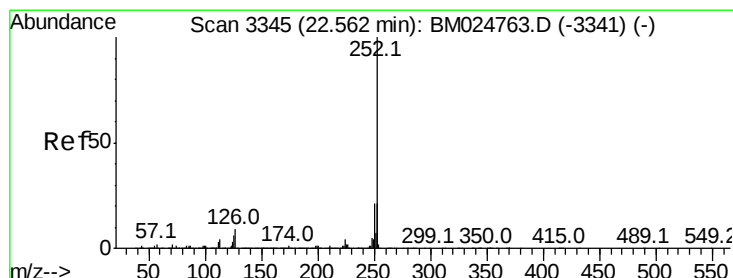
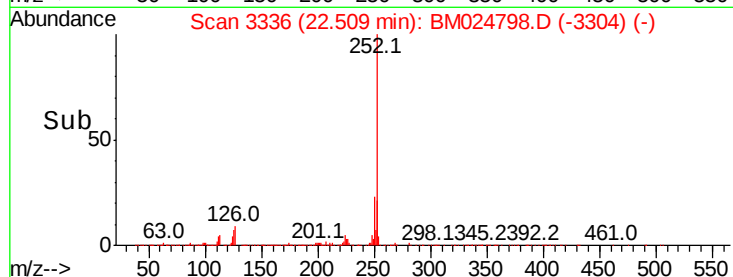
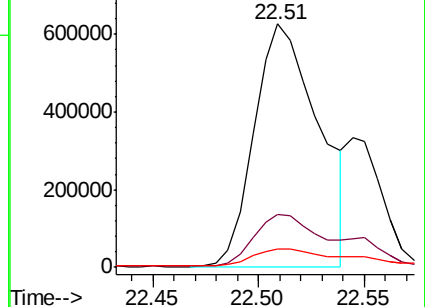
125 7.7 5.1 7.7#



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: 12.460 ng/ul

RT: 22.51 min Scan# 3336

Delta R.T. -0.05 min

Lab File: BM024798.D

Acq: 08 Feb 2020 14:27

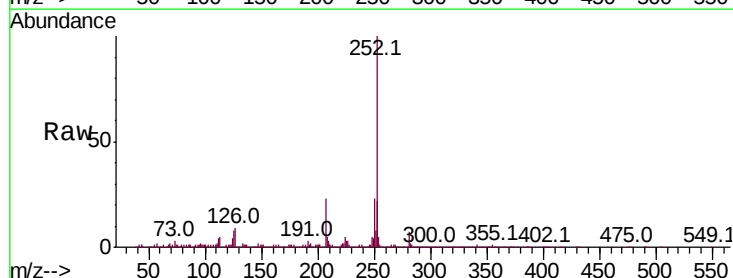
Tgt Ion:252 Resp: 1326683

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.0

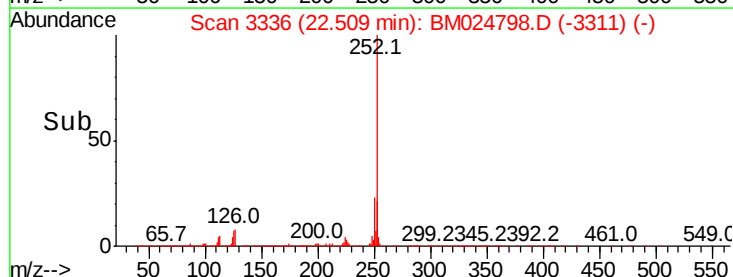
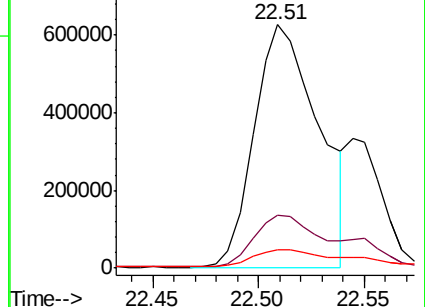
125 7.7 5.1 7.7#

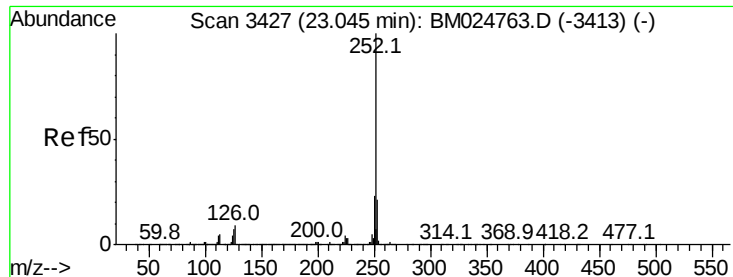


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 8.249 ng/ul

RT: 23.03 min Scan# 3425

Delta R.T. -0.01 min

Lab File: BM024798.D

Acq: 08 Feb 2020 14:27

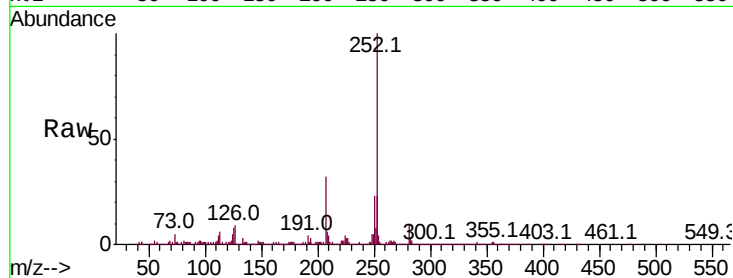
Instrument :

BNA_M

ClientSampleId :

Tot Ion:252 Resp: 818069

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	8.0	5.6	8.4

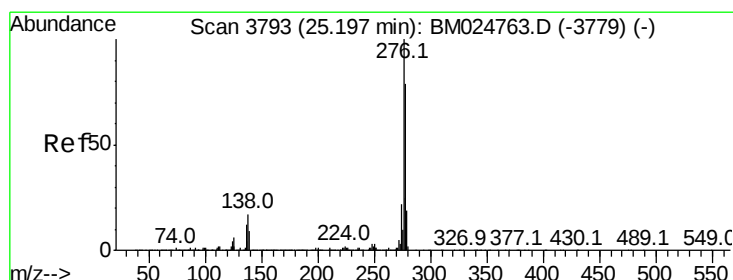
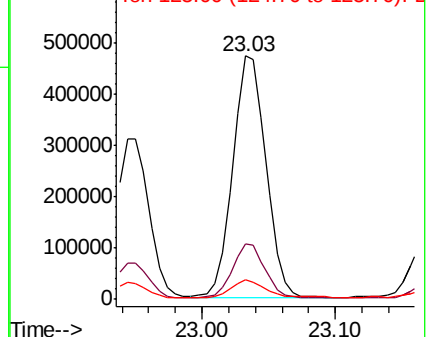
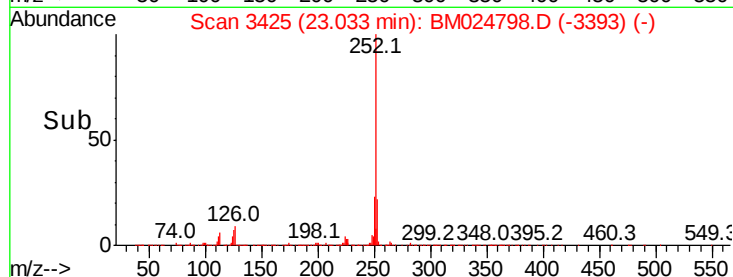


Abundance

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: 4.655 ng/ul

RT: 25.17 min Scan# 3789

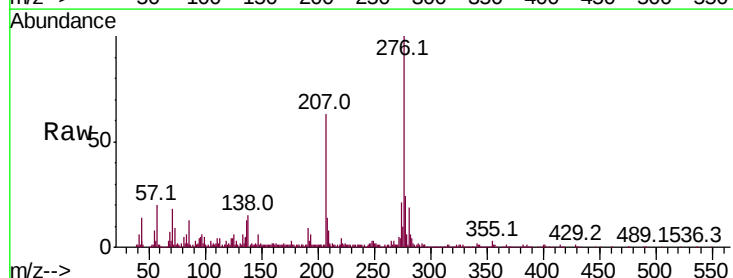
Delta R.T. -0.02 min

Lab File: BM024798.D

Acq: 08 Feb 2020 14:27

Tgt Ion:276 Resp: 574726

Ion	Ratio	Lower	Upper
276	100		
138	14.9	12.8	19.2
277	23.7	19.3	28.9

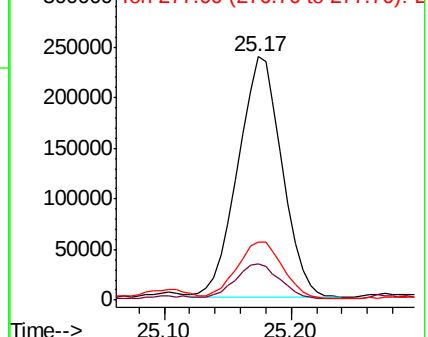
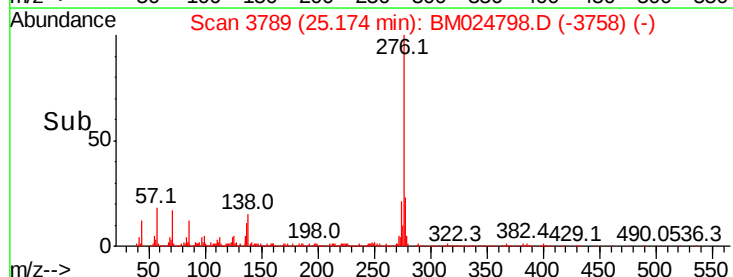


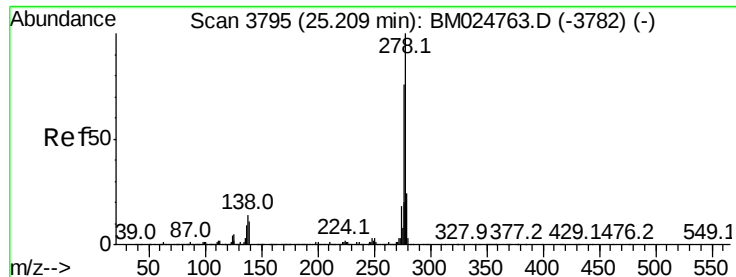
Abundance

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

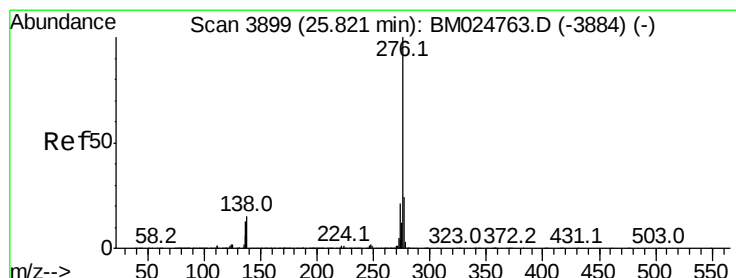
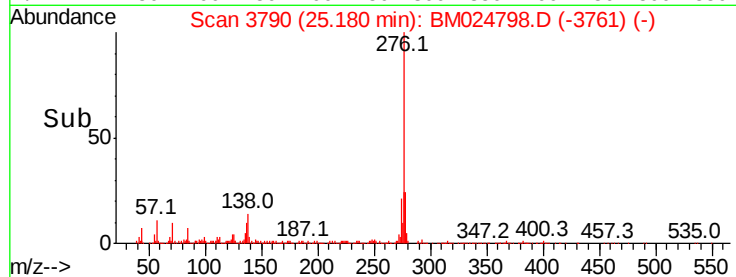
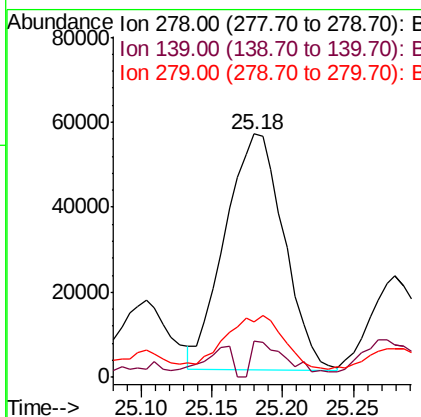
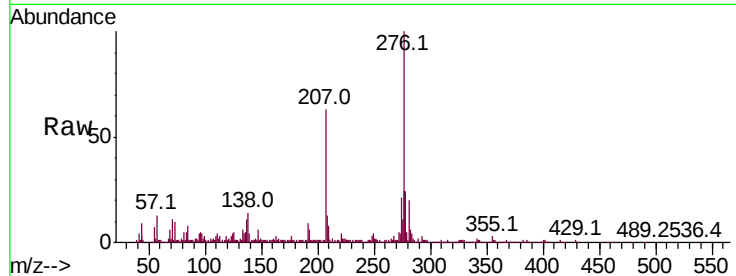




#93
Dibenzo(a,h)anthracene
Concen: 1.533 ng/ul
RT: 25.18 min Scan# 3790
Delta R.T. -0.03 min
Lab File: BM024798.D
Acq: 08 Feb 2020 14:27

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 161232
Ion Ratio Lower Upper
278 100
139 15.1 8.4 12.6#
279 22.6 18.5 27.7



#94
Benzo(g,h,i)perylene
Concen: 4.467 ng/ul
RT: 25.80 min Scan# 3895
Delta R.T. -0.02 min
Lab File: BM024798.D
Acq: 08 Feb 2020 14:27

Tgt Ion:276 Resp: 458740
Ion Ratio Lower Upper
276 100
138 14.8 11.8 17.6
277 23.9 19.0 28.6

