

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\
 Data File : BM024739.D
 Acq On : 06 Feb 2020 22:02
 Operator : CG/JU
 Sample : L1398-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 07 00:50:19 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	295402	20.00	ng/ul	0.00
18) Naphthalene-d8	10.17	136	1176752	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.06	164	796639	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.82	188	1757140	20.00	ng/ul	0.00
78) Chrysene-d12	21.03	240	1653184	20.00	ng/ul	0.00
86) Perylene-d12	23.13	264	1877447	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	26307	4.28	ng/uL	0.00
5) Phenol-d5	6.60	99	482305	24.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.76	67	280426	25.30	ng/ul	0.00
9) 2-Chlorophenol-d4	6.95	132	440039	25.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.12	113	399183	24.11	ng/ul	0.00
19) Nitrobenzene-d5	8.55	128	216879	25.49	ng/ul	0.00
22) 2-Nitrophenol-d4	9.26	143	260332	25.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.80	165	483933	23.86	ng/ul	0.00
29) 4-Chloroaniline-d4	10.31	131	504816	26.61	ng/ul	0.00
44) Dimethylphthalate-d6	13.49	166	1544937	25.69	ng/ul	0.00
47) Acenaphthylene-d8	13.75	160	1817392	25.88	ng/ul	0.00
52) 4-Nitrophenol-d4	14.29	143	215643	22.07	ng/ul	0.00
58) Fluorene-d10	15.06	176	1352533	25.40	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.20	200	258978	22.61	ng/ul	0.00
71) Anthracene-d10	16.92	188	2074212	25.86	ng/ul	0.00
79) Pyrene-d10	19.22	212	2336020	28.25	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.00	264	2533558	26.87	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.22	128	375080	6.238 ng/ul	99
30) 4-Chloroaniline	10.22	127	48310	2.551 ng/ul#	6
34) 2-Methylnaphthalene	11.85	142	137351	3.101 ng/ul	97
35) 1-Methylnaphthalene	12.06	142	88057	1.994 ng/ul	98
45) Dimethylphthalate	13.53	163	149806	2.388 ng/ul	98
50) Acenaphthene	14.13	153	241975	4.926 ng/ul	97
54) Dibenzofuran	14.46	168	325636	4.447 ng/ul	98
59) Fluorene	15.12	166	347785	5.763 ng/ul	100
70) Phenanthrene	16.86	178	4196800	43.804 ng/ul	99
72) Anthracene	16.95	178	927003	9.540 ng/ul	99
75) Carbazole	17.22	167	412634	5.098 ng/ul	99
77) Fluoranthene	18.89	202	4973976	42.291 ng/ul	99
80) Pyrene	19.25	202	4119616	37.646 ng/ul	99
83) Benzo(a)anthracene	21.02	228	2243579	20.148 ng/ul	99
85) Chrysene	21.07	228	2114769	19.290 ng/ul	99
88) Benzo(b)fluoranthene	22.52	252	2676320	22.418 ng/ul	99
89) Benzo(k)fluoranthene	22.52	252	2676320	23.291 ng/ul	99
91) Benzo(a)pyrene	23.04	252	1815176	16.959 ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.19	276	1241352	9.316 ng/ul	97
93) Dibenzo(a,h)anthracene	25.20	278	353727	3.116 ng/ul#	96
94) Benzo(a,h,i)perylene	25.81	276	1122593	10.130 ng/ul	100

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Feb 06 16:50:23 2020
Response via : Initial Calibration

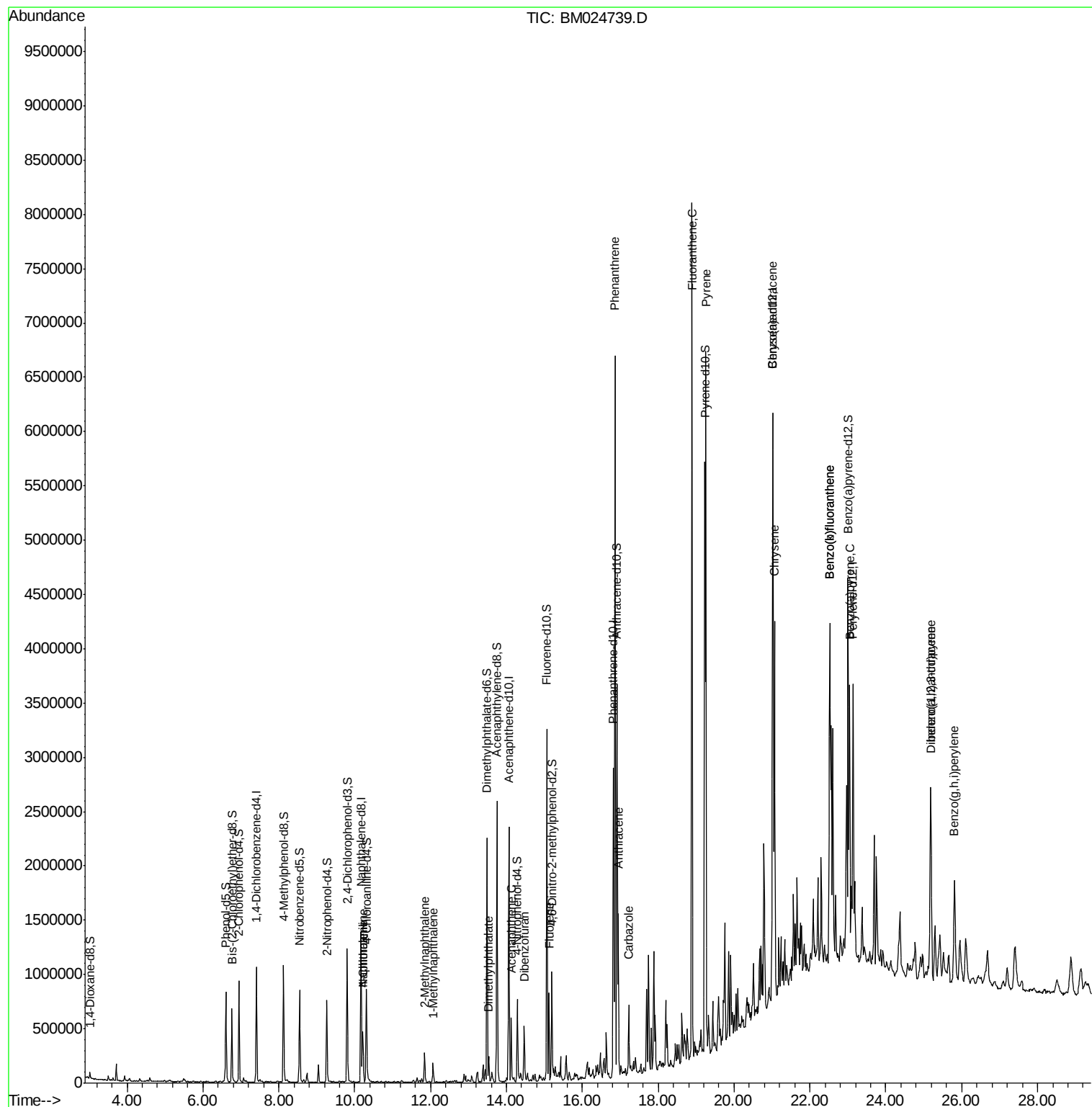
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

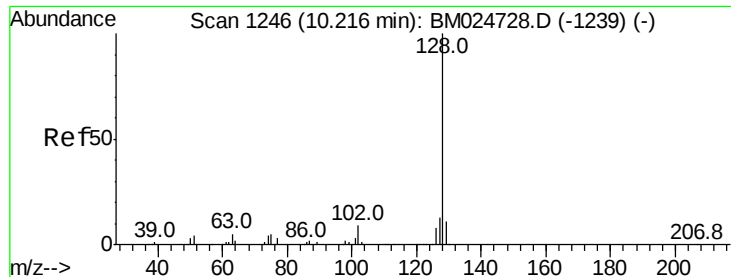
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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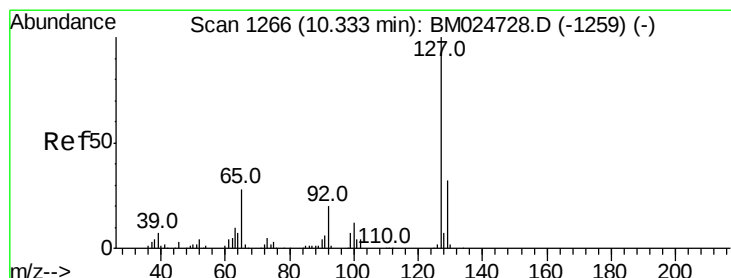
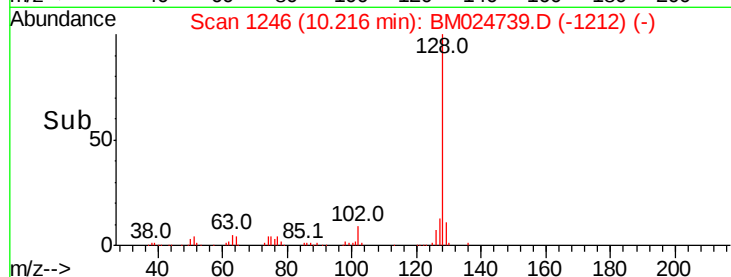
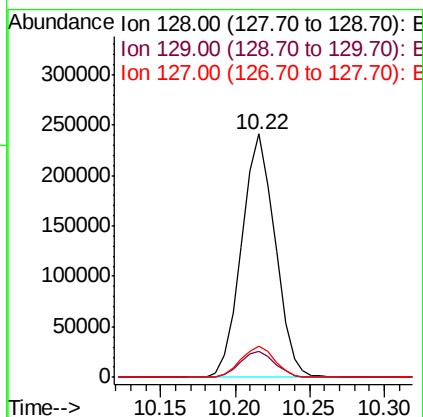
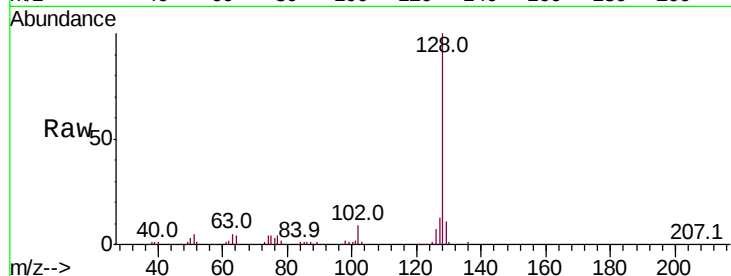




#28
Naphthalene
Concen: 6.238 ng/ul
RT: 10.22 min Scan# 1246
Delta R.T. 0.00 min
Lab File: BM024739.D
Acq: 06 Feb 2020 22:02

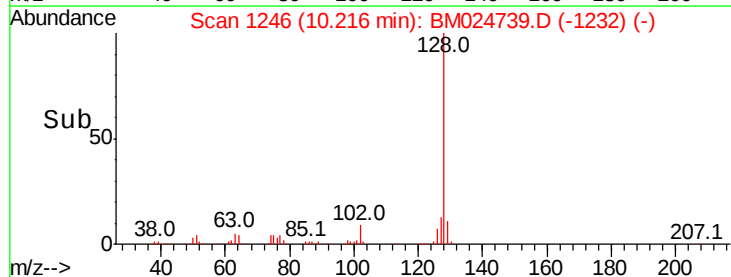
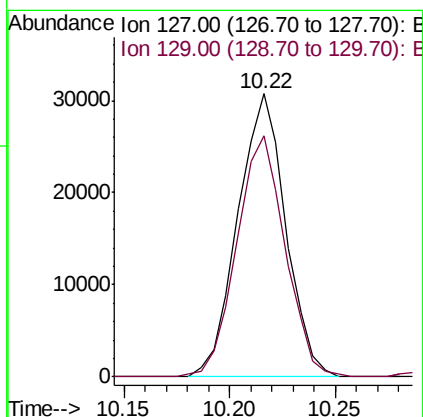
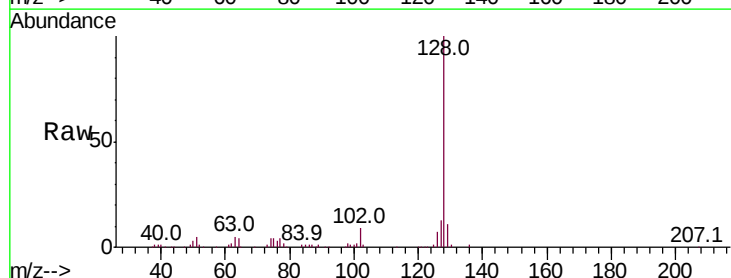
Instrument :
BNA_M
ClientSampleId :

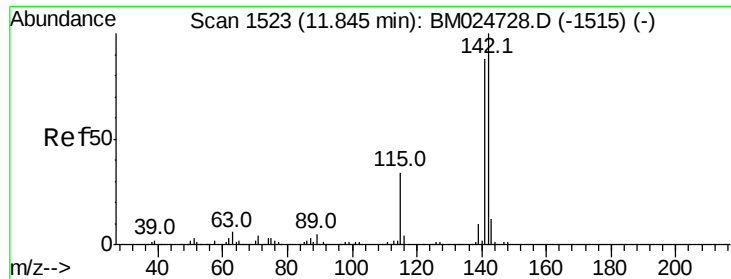
Tot Ion:128 Resp: 375080
Ion Ratio Lower Upper
128 100
129 10.8 9.1 13.7
127 12.7 10.4 15.6



#30
4-Chloroaniline
Concen: 2.551 ng/ul
RT: 10.22 min Scan# 1246
Delta R.T. -0.12 min
Lab File: BM024739.D
Acq: 06 Feb 2020 22:02

Tgt Ion:127 Resp: 48310
Ion Ratio Lower Upper
127 100
129 85.0 25.8 38.8#

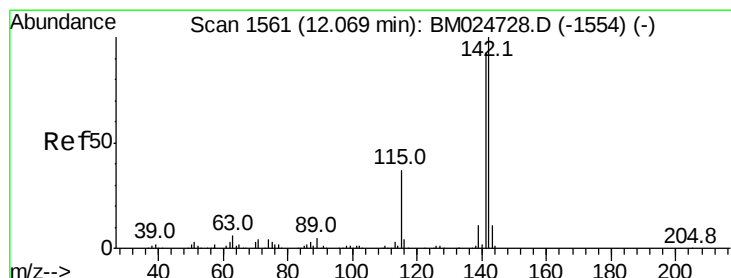
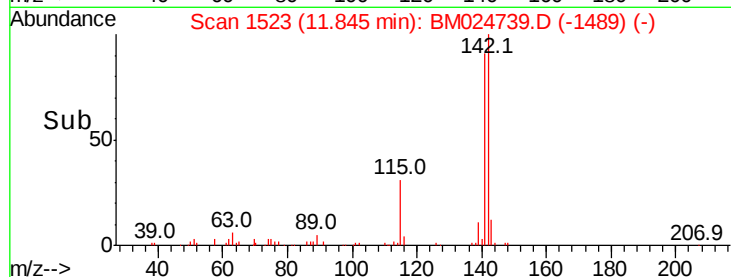
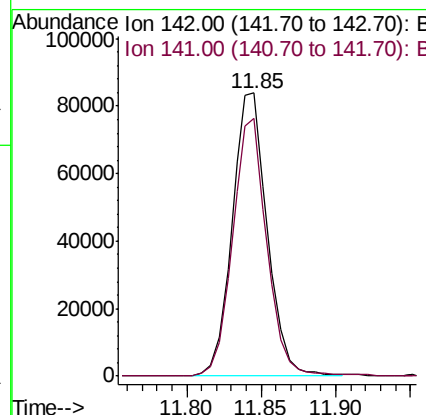
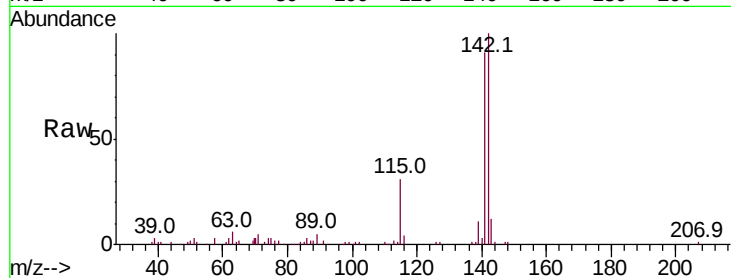




#34
2-Methylnaphthalene
Concen: 3.101 ng/ul
RT: 11.85 min Scan# 1523
Delta R.T. 0.00 min
Lab File: BM024739.D
Acq: 06 Feb 2020 22:02

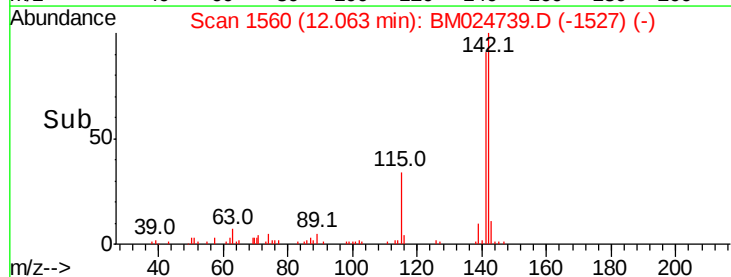
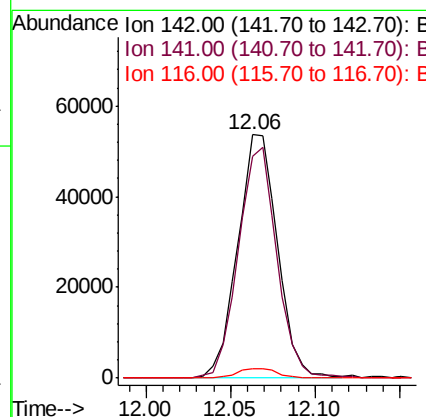
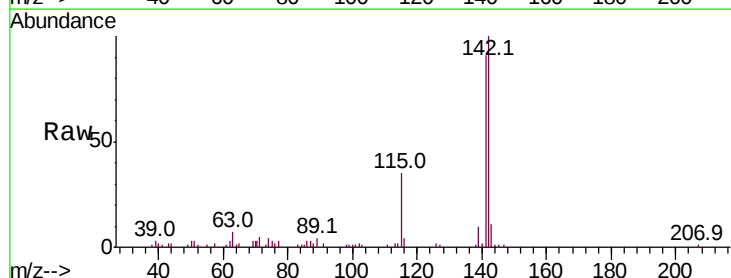
Instrument :
BNA_M
ClientSampled :

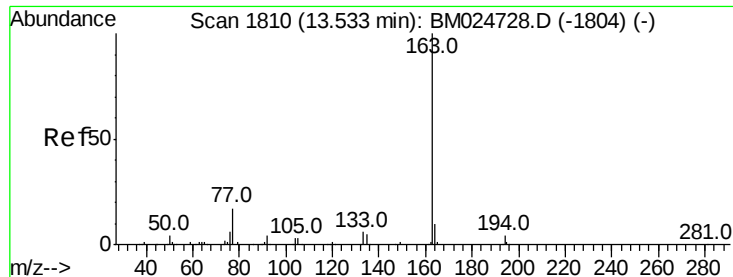
Tot Ion:142 Resp: 137351
Ion Ratio Lower Upper
142 100
141 91.0 70.5 105.7



#35
1-Methylnaphthalene
Concen: 1.994 ng/ul
RT: 12.06 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BM024739.D
Acq: 06 Feb 2020 22:02

Tgt Ion:142 Resp: 88057
Ion Ratio Lower Upper
142 100
141 90.9 74.1 111.1
116 3.9 3.0 4.4

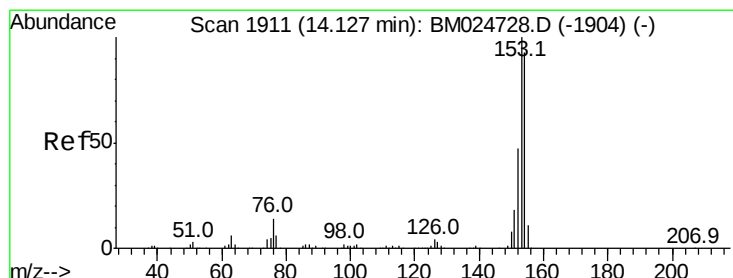
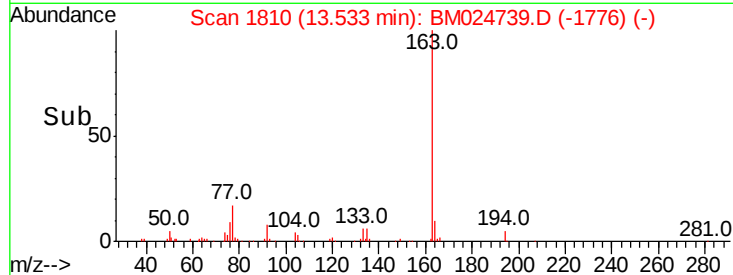
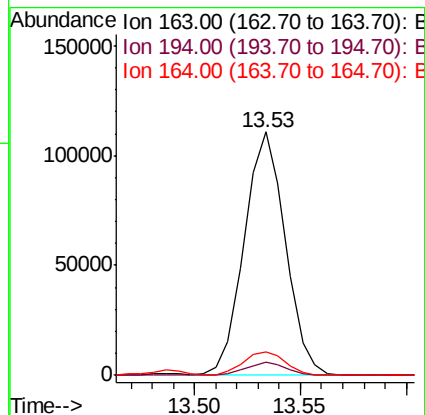
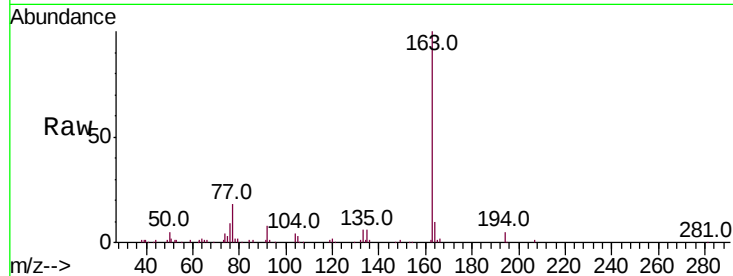




#45
 Dimethylphthalate
 Concen: 2.388 ng/ul
 RT: 13.53 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: BM024739.D
 Acq: 06 Feb 2020 22:02

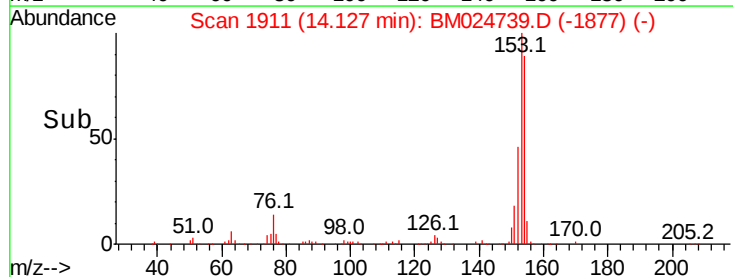
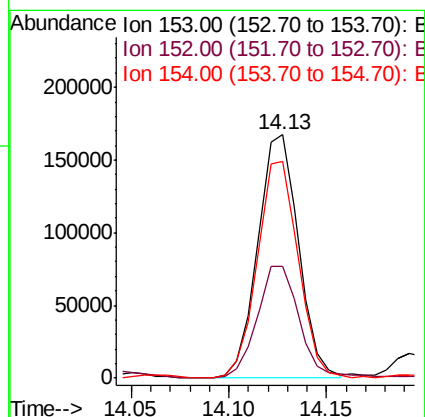
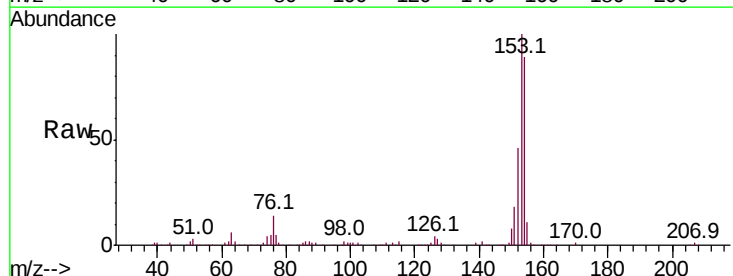
Instrument :
 BNA_M
 ClientSampled :

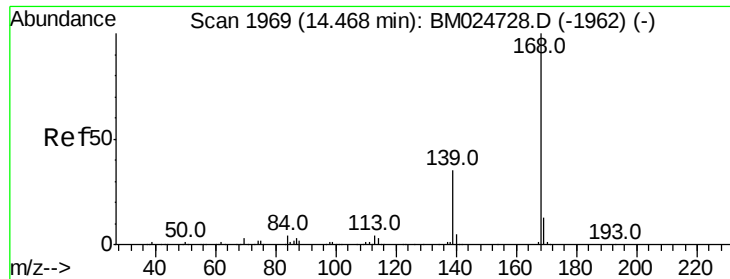
Tot Ion	Ratio	Lower	Upper
163	100		
194	5.2	3.5	5.3
164	9.6	8.2	12.2



#50
 Acenaphthene
 Concen: 4.926 ng/ul
 RT: 14.13 min Scan# 1911
 Delta R.T. 0.00 min
 Lab File: BM024739.D
 Acq: 06 Feb 2020 22:02

Tgt Ion	Ratio	Lower	Upper
153	100		
152	45.8	37.3	55.9
154	88.9	74.1	111.1





#54

Dibenzofuran

Concen: 4.447 ng/ul

RT: 14.46 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BM024739.D

Acq: 06 Feb 2020 22:02

Instrument :

BNA_M

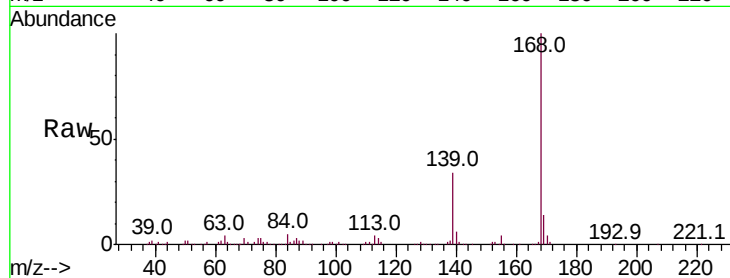
ClientSampleId :

Tot Ion:168 Resp: 325636

Ion Ratio Lower Upper

168 100

139 33.8 27.8 41.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

250000

200000

150000

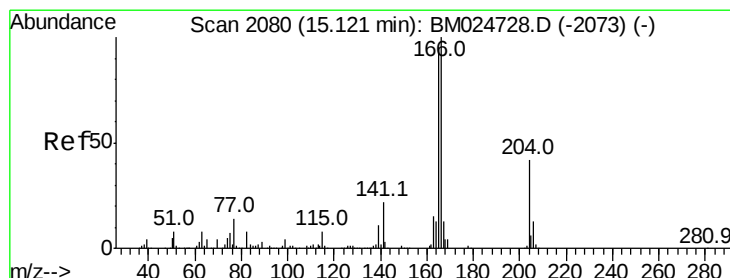
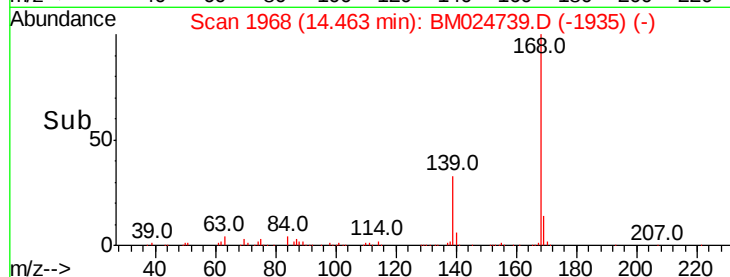
100000

50000

0

14.40 14.45 14.50 14.55

Time-->



#59

Fluorene

Concen: 5.763 ng/ul

RT: 15.12 min Scan# 2080

Delta R.T. 0.00 min

Lab File: BM024739.D

Acq: 06 Feb 2020 22:02

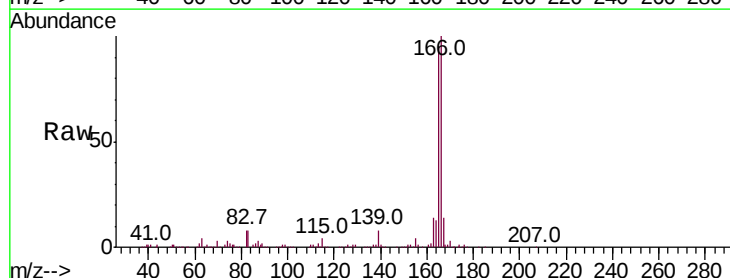
Tgt Ion:166 Resp: 347785

Ion Ratio Lower Upper

166 100

165 95.1 75.8 113.8

167 14.1 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

300000

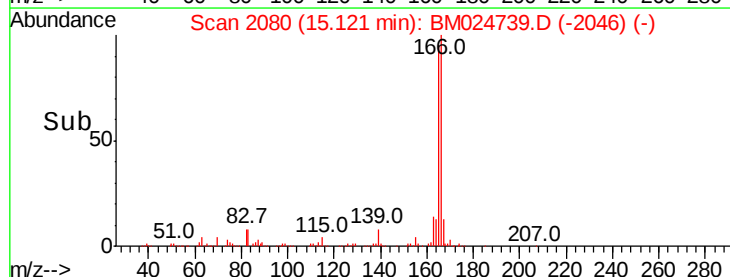
200000

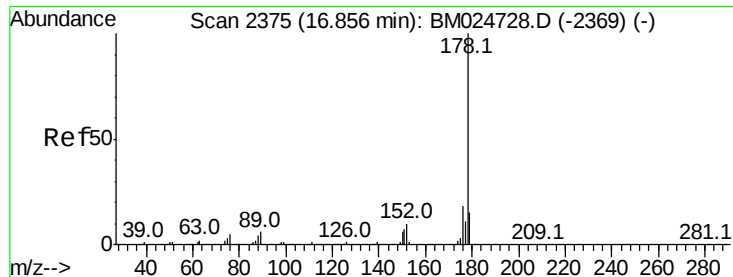
100000

0

15.05 15.10 15.15

Time-->





#70

Phenanthrene

Concen: 43.804 ng/ul

RT: 16.86 min Scan# 2376

Delta R.T. 0.01 min

Lab File: BM024739.D

Acq: 06 Feb 2020 22:02

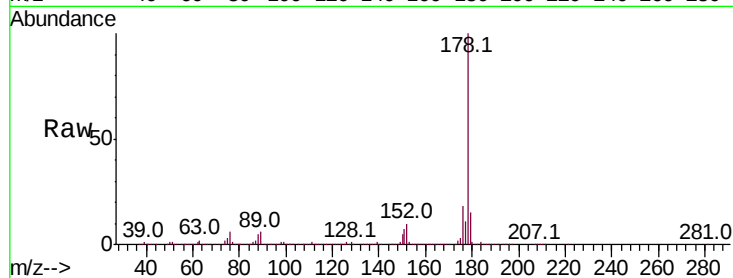
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 4196800

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.2
176	18.4	14.5	21.7

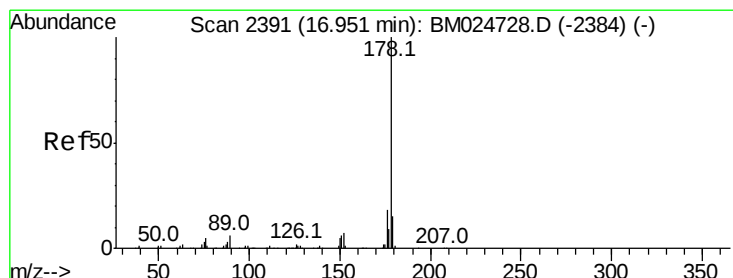
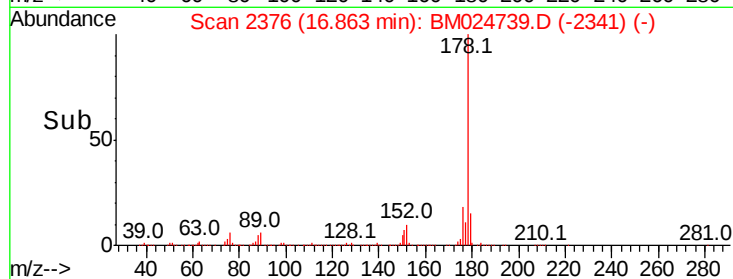
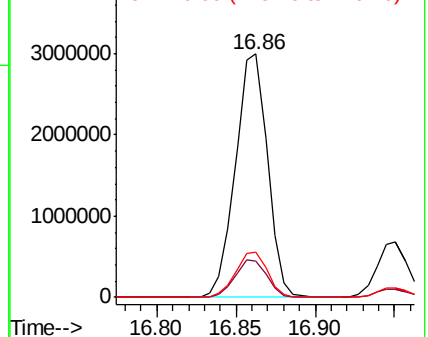


Abundance

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: 9.540 ng/ul

RT: 16.95 min Scan# 2391

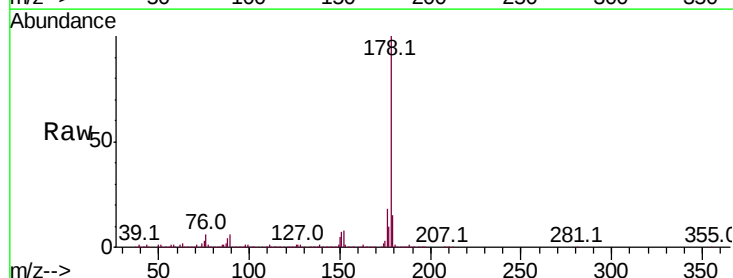
Delta R.T. 0.00 min

Lab File: BM024739.D

Acq: 06 Feb 2020 22:02

Tgt Ion:178 Resp: 927003

Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.3	18.5
176	18.0	14.1	21.1

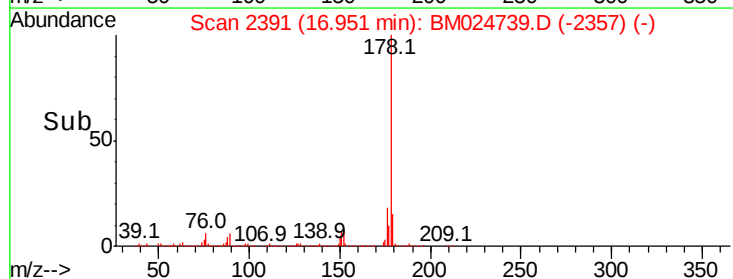
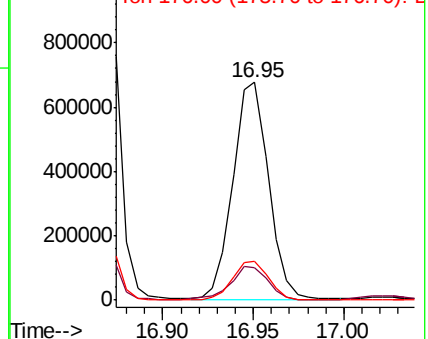


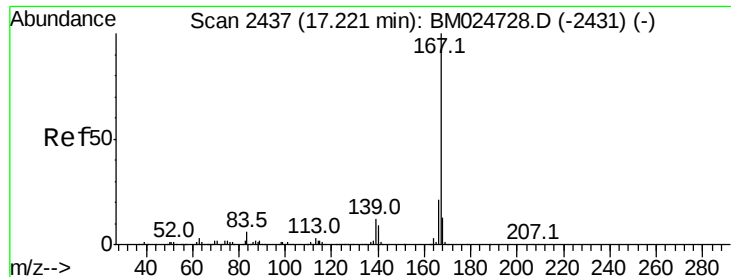
Abundance

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: 5.098 ng/ul

RT: 17.22 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BM024739.D

Acq: 06 Feb 2020 22:02

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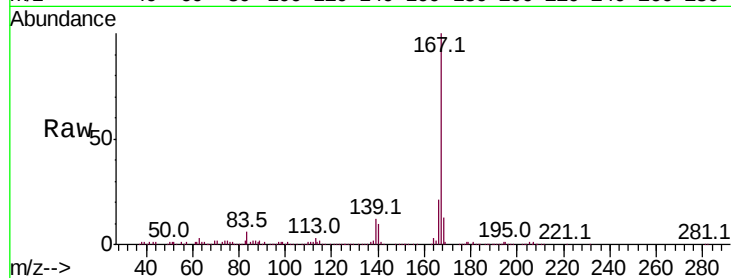
Tot Ion:167 Resp: 412634

Ion Ratio Lower Upper

167 100

166 21.2 16.6 24.8

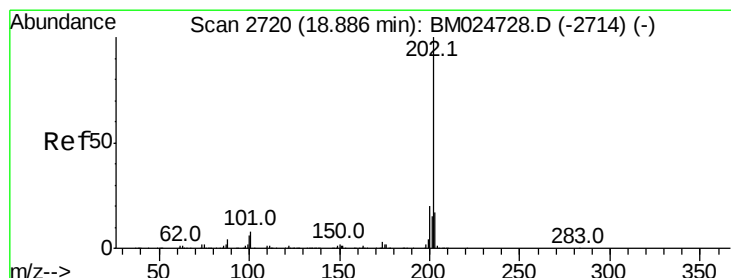
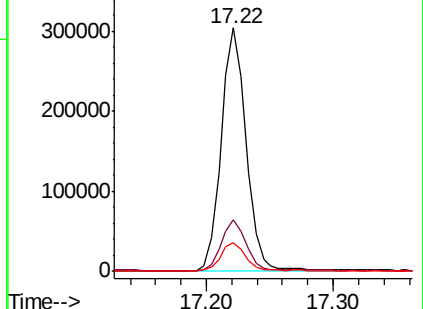
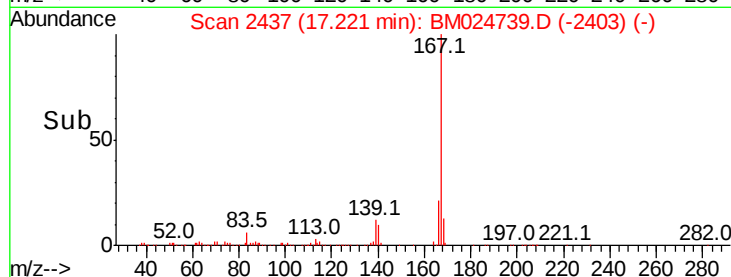
139 12.0 9.3 13.9



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: 42.291 ng/ul

RT: 18.89 min Scan# 2720

Delta R.T. 0.00 min

Lab File: BM024739.D

Acq: 06 Feb 2020 22:02

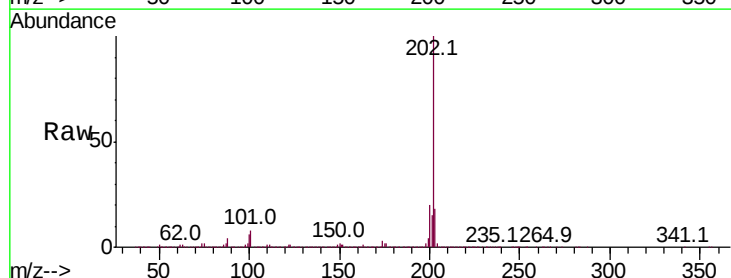
Tgt Ion:202 Resp: 4973976

Ion Ratio Lower Upper

202 100

101 8.1 6.1 9.1

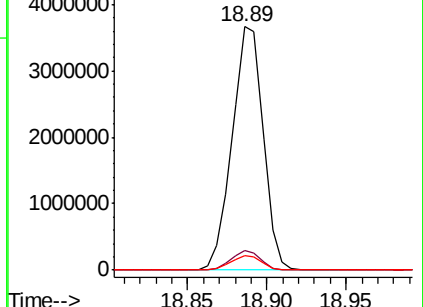
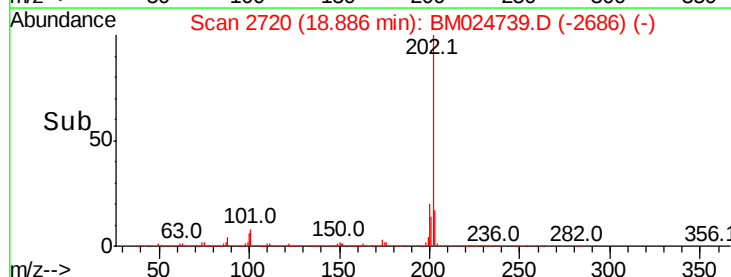
100 6.1 4.8 7.2

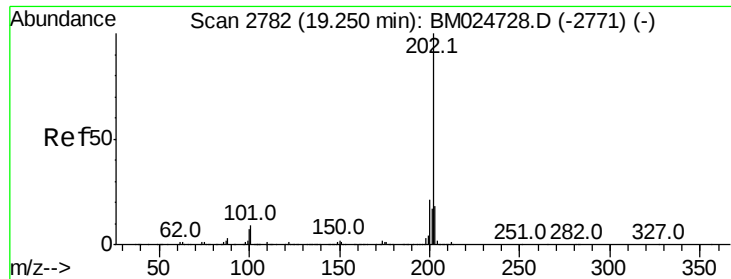


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

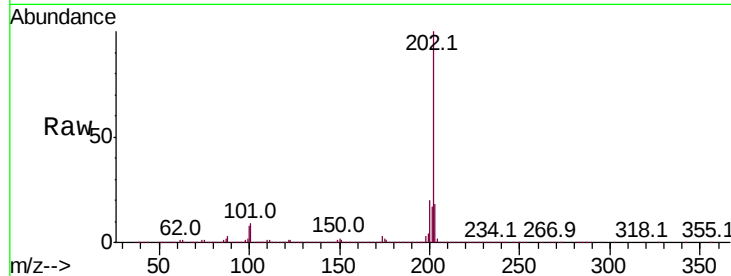




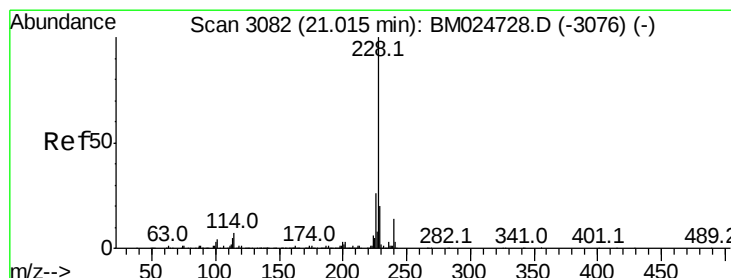
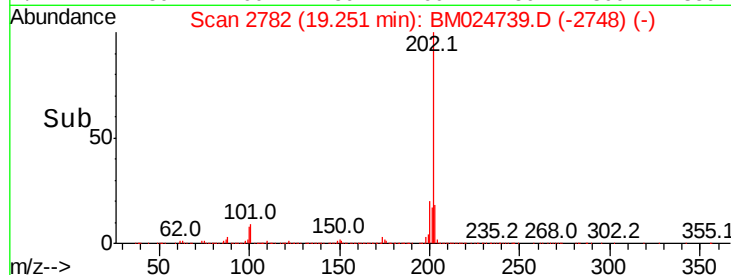
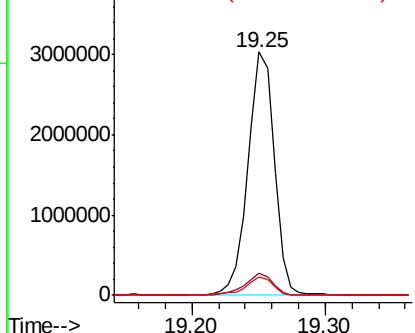
#80
Pvrene
Concen: 37.646 ng/ul
RT: 19.25 min Scan# 2782
Delta R.T. 0.00 min
Lab File: BM024739.D
Acq: 06 Feb 2020 22:02

Instrument :
BNA_M
ClientSampleId :

Tot Ion:202 Resp: 4119616
Ion Ratio Lower Upper
202 100
101 9.1 7.0 10.4
100 7.5 5.8 8.8

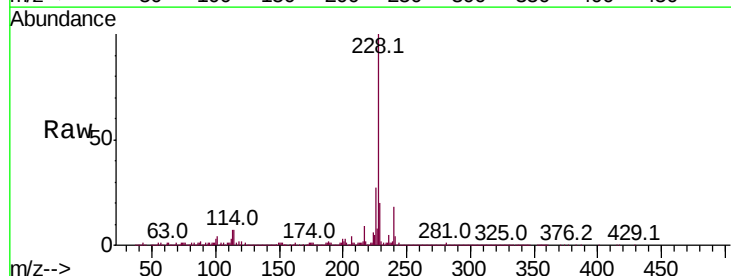


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

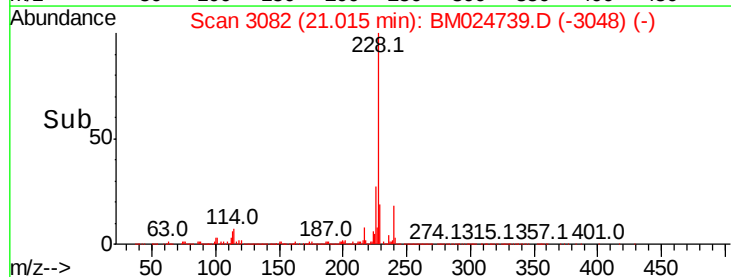
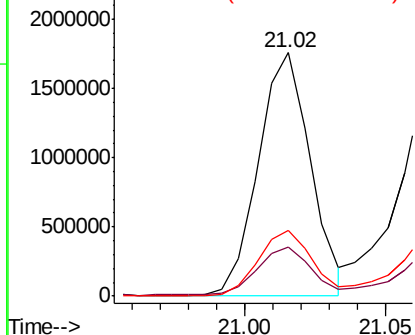


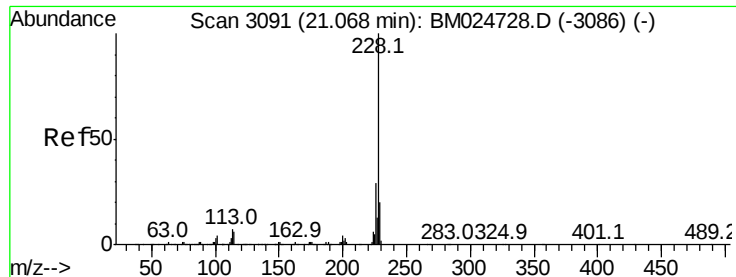
#83
Benzo(a)anthracene
Concen: 20.148 ng/ul
RT: 21.02 min Scan# 3082
Delta R.T. 0.00 min
Lab File: BM024739.D
Acq: 06 Feb 2020 22:02

Tgt Ion:228 Resp: 2243579
Ion Ratio Lower Upper
228 100
229 19.9 15.9 23.9
226 27.1 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: 19.290 ng/ul

RT: 21.07 min Scan# 3091

Delta R.T. 0.00 min

Lab File: BM024739.D

Acq: 06 Feb 2020 22:02

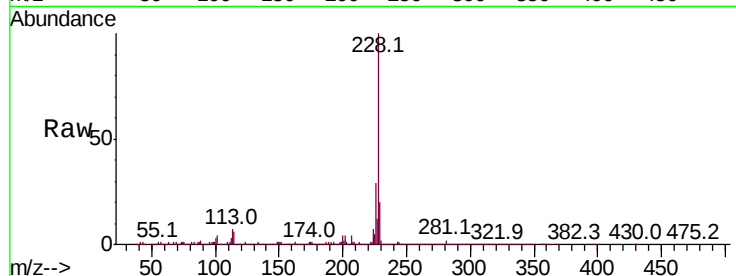
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 2114769

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.0	34.4
229	19.7	15.8	23.8

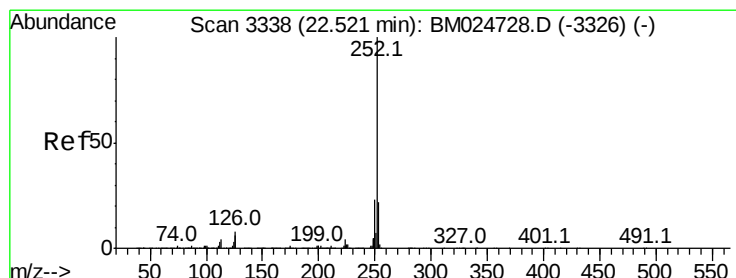
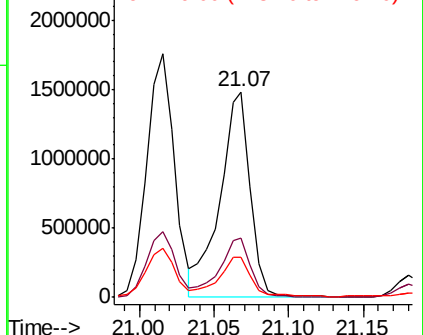
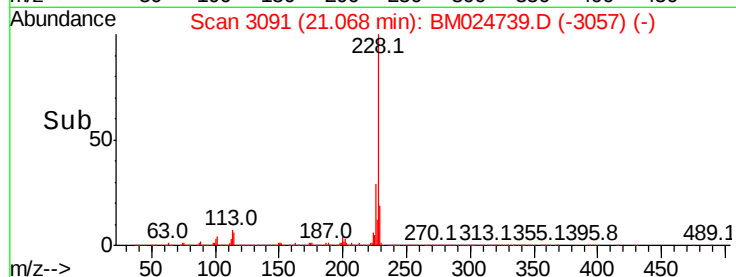


Abundance

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: 22.418 ng/ul

RT: 22.52 min Scan# 3338

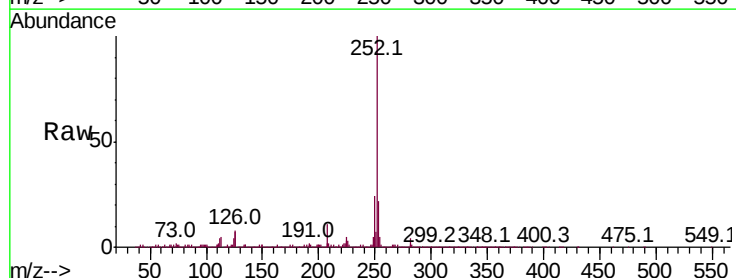
Delta R.T. 0.00 min

Lab File: BM024739.D

Acq: 06 Feb 2020 22:02

Tgt Ion:252 Resp: 2676320

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9
125	7.2	5.1	7.7

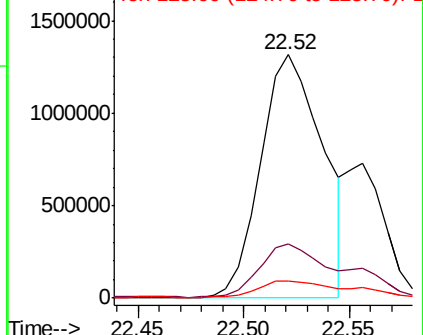
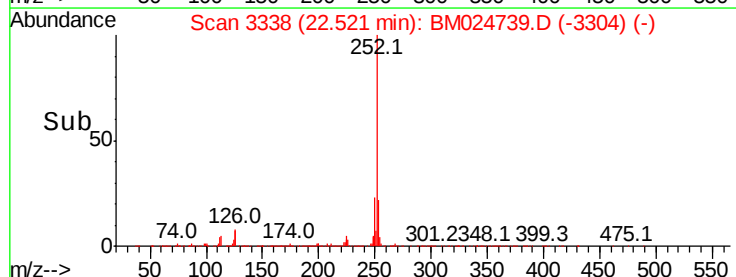


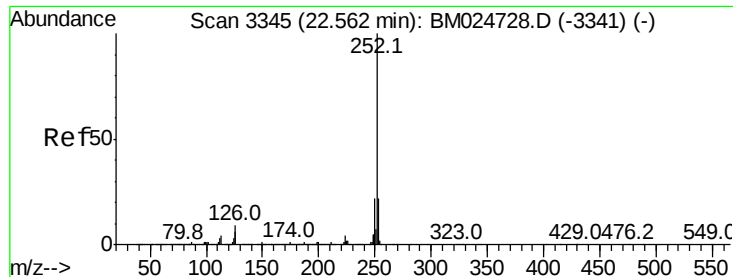
Abundance

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: 23.291 ng/ul

RT: 22.52 min Scan# 3338

Delta R.T. -0.04 min

Lab File: BM024739.D

Acq: 06 Feb 2020 22:02

Instrument :

BNA_M

ClientSampleId :

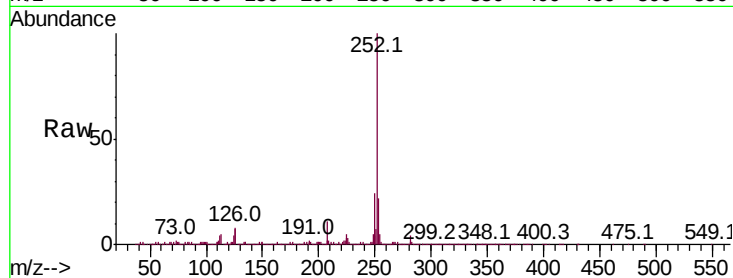
Tot Ion:252 Resp: 2676320

Ion Ratio Lower Upper

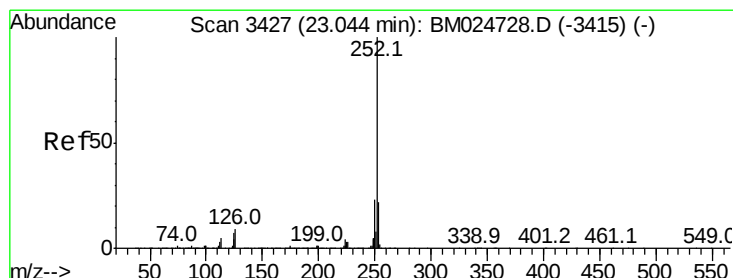
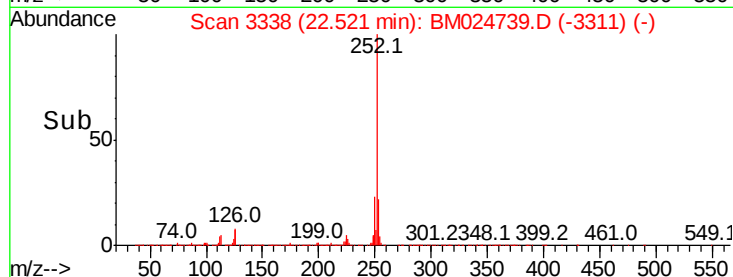
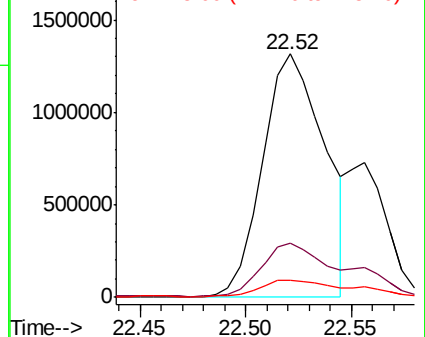
252 100

253 22.1 17.4 26.0

125 7.2 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: 16.959 ng/ul

RT: 23.04 min Scan# 3427

Delta R.T. 0.00 min

Lab File: BM024739.D

Acq: 06 Feb 2020 22:02

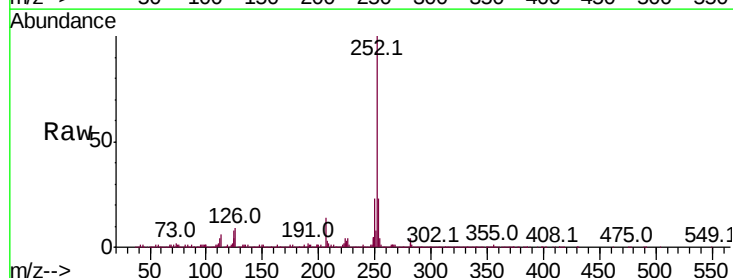
Tgt Ion:252 Resp: 1815176

Ion Ratio Lower Upper

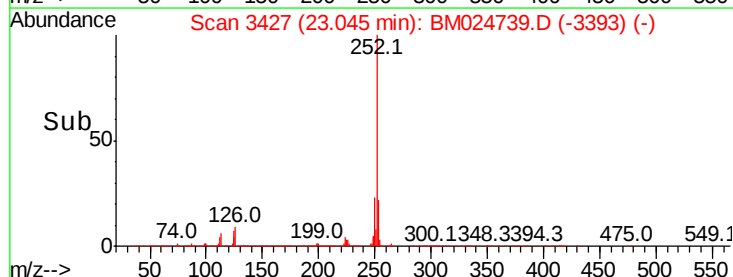
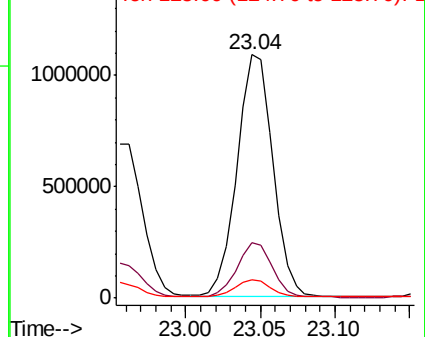
252 100

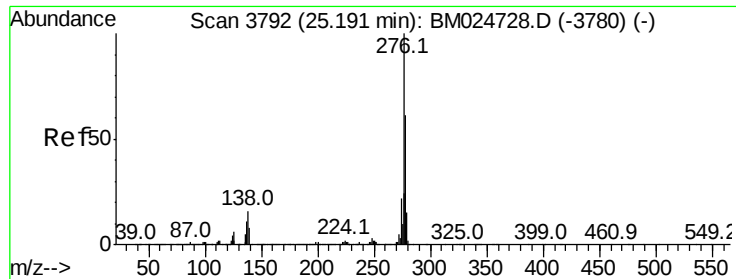
253 22.6 17.5 26.3

125 7.5 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



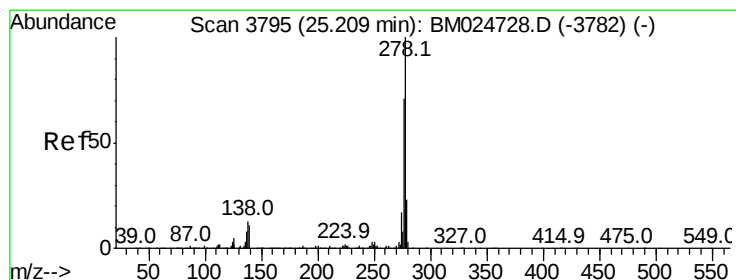
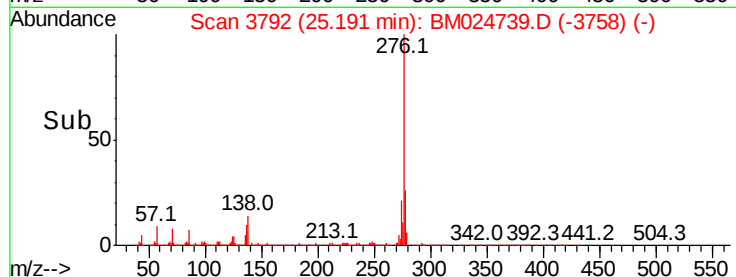
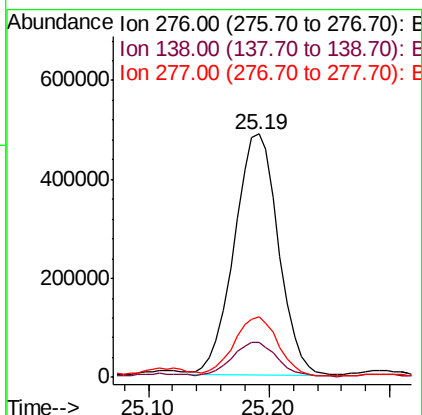
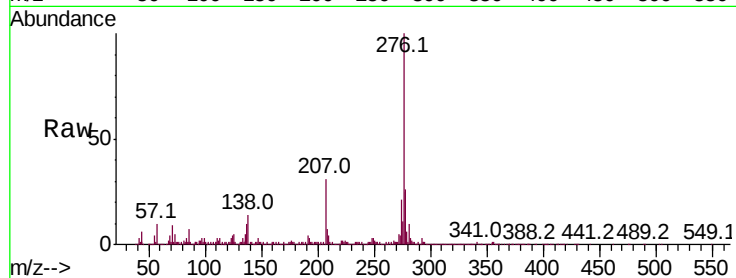


#92

Indeno(1,2,3-cd)pyrene
Concen: 9.316 ng/ul
RT: 25.19 min Scan# 3792
Delta R.T. 0.00 min
Lab File: BM024739.D
Acq: 06 Feb 2020 22:02

Instrument :
BNA_M
ClientSampleId :

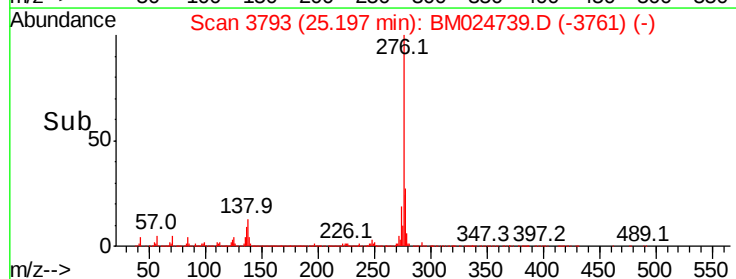
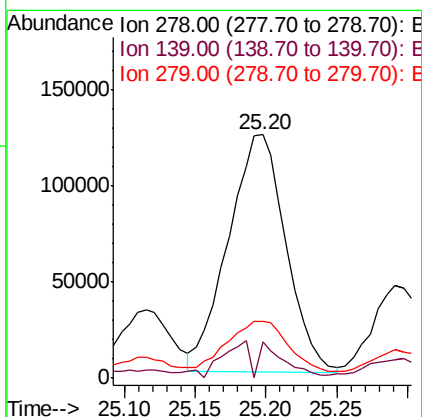
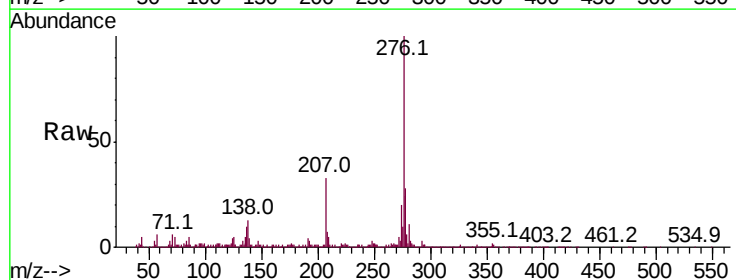
Tot Ion:276 Resp: 1241352
Ion Ratio Lower Upper
276 100
138 14.1 12.8 19.2
277 24.7 19.3 28.9

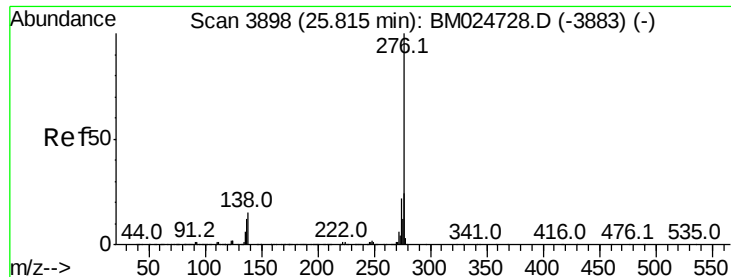


#93

Dibenzo(a,h)anthracene
Concen: 3.116 ng/ul
RT: 25.20 min Scan# 3793
Delta R.T. -0.01 min
Lab File: BM024739.D
Acq: 06 Feb 2020 22:02

Tgt Ion:278 Resp: 353727
Ion Ratio Lower Upper
278 100
139 14.7 8.4 12.6#
279 23.4 18.5 27.7





#94

Benzo(a,h,i)perylene

Concen: 10.130 ng/ul

RT: 25.81 min Scan# 3897

Delta R.T. -0.01 min

Lab File: BM024739.D

Acq: 06 Feb 2020 22:02

Instrument :

BNA_M

ClientSampleId :

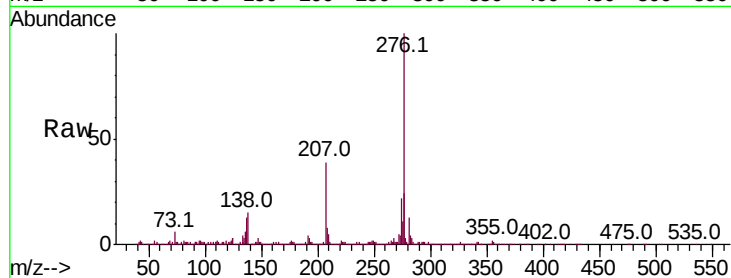
Tot Ion:276 Resp: 1122593

Ion Ratio Lower Upper

276 100

138 14.9 11.8 17.6

277 23.7 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

