

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020620\
 Data File : BM024735.D
 Acq On : 06 Feb 2020 19:38
 Operator : CG/JU
 Sample : L1398-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 06 21:01:31 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	211567	20.00	ng/ul	0.00
18) Naphthalene-d8	10.17	136	833519	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.06	164	582015	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.82	188	1335389	20.00	ng/ul	0.00
78) Chrysene-d12	21.03	240	1474123	20.00	ng/ul	0.00
86) Perylene-d12	23.13	264	1684529	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.02	96	19537	4.44	ng/uL	0.00
5) Phenol-d5	6.60	99	319410	22.73	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.76	67	193165	24.33	ng/ul	0.00
9) 2-Chlorophenol-d4	6.95	132	297981	23.66	ng/ul	0.00
13) 4-Methylphenol-d8	8.12	113	266981	22.51	ng/ul	0.00
19) Nitrobenzene-d5	8.55	128	148383	24.62	ng/ul	0.00
22) 2-Nitrophenol-d4	9.26	143	176030	24.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.80	165	323261	22.50	ng/ul	0.00
29) 4-Chloroaniline-d4	10.31	131	386823	28.78	ng/ul	0.00
44) Dimethylphthalate-d6	13.49	166	1131474	25.75	ng/ul	0.00
47) Acenaphthylene-d8	13.74	160	1289341	25.13	ng/ul	0.00
52) 4-Nitrophenol-d4	14.29	143	145911	20.44	ng/ul	0.00
58) Fluorene-d10	15.07	176	993835	25.55	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.19	200	182824	21.00	ng/ul	0.00
71) Anthracene-d10	16.92	188	1584297	25.99	ng/ul	0.00
79) Pyrene-d10	19.22	212	2000601	27.13	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.00	264	2339367	27.65	ng/ul	0.00

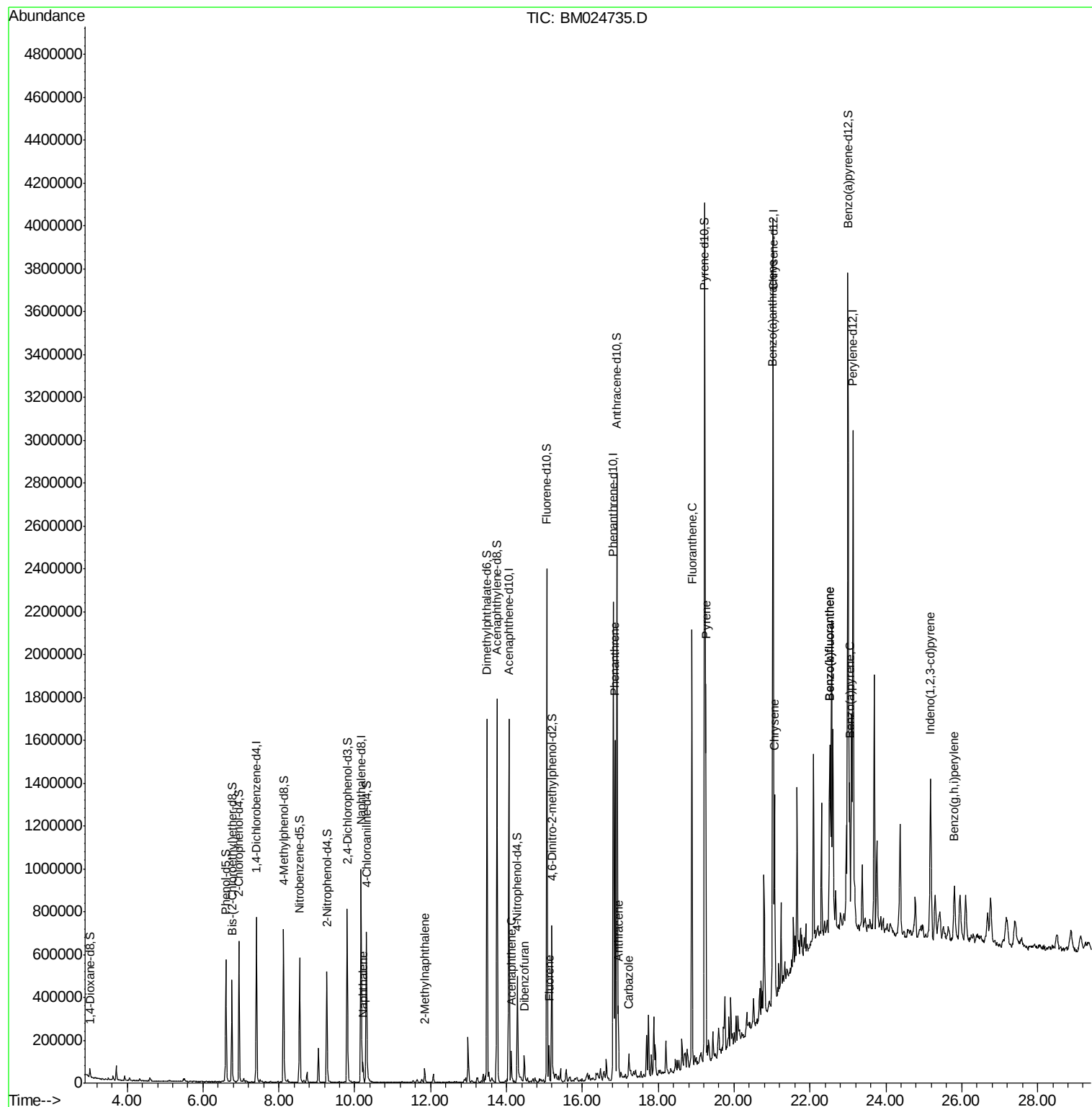
Target Compounds				Ovalue		
28) Naphthalene	10.22	128	75186	1.765	ng/ul	98
34) 2-Methylnaphthalene	11.85	142	32742	1.044	ng/ul	91
50) Acenaphthene	14.13	153	58633	1.634	ng/ul	96
54) Dibenzofuran	14.47	168	73469	1.373	ng/ul	95
59) Fluorene	15.12	166	62862	1.426	ng/ul	99
70) Phenanthrene	16.86	178	945631	12.987	ng/ul	99
72) Anthracene	16.94	178	194123	2.629	ng/ul	99
75) Carbazole	17.23	167	72696	1.182	ng/ul	97
77) Fluoranthene	18.89	202	1224140	13.695	ng/ul	99
80) Pyrene	19.25	202	1049170	10.752	ng/ul	99
83) Benzo(a)anthracene	21.01	228	597662	6.019	ng/ul	99
85) Chrysene	21.06	228	584012	5.974	ng/ul	100
88) Benzo(b)fluoranthene	22.52	252	725572	6.774	ng/ul	99
89) Benzo(k)fluoranthene	22.52	252	725572	7.037	ng/ul	99
91) Benzo(a)pyrene	23.04	252	487524	5.077	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.19	276	324236	2.712	ng/ul	97
94) Benzo(g,h,i)perylene	25.81	276	299540	3.012	ng/ul	98

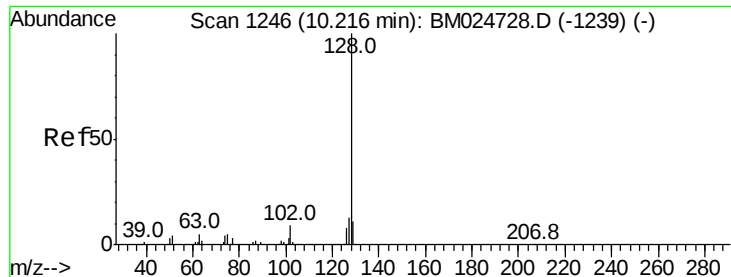
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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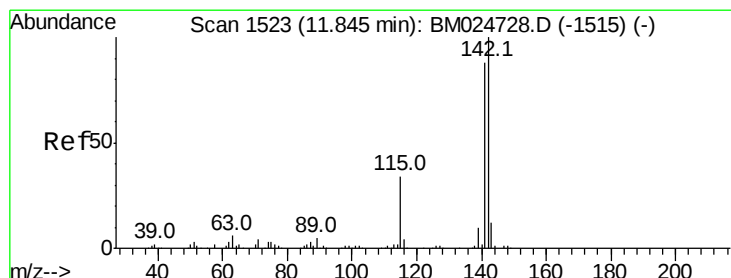
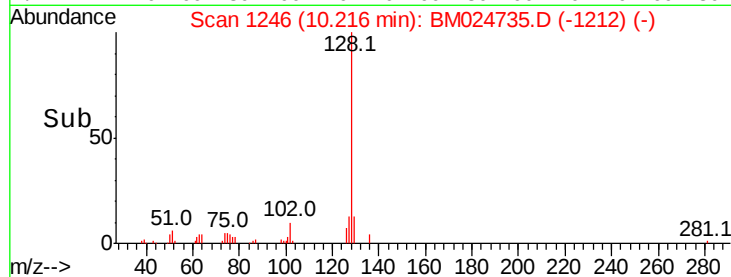
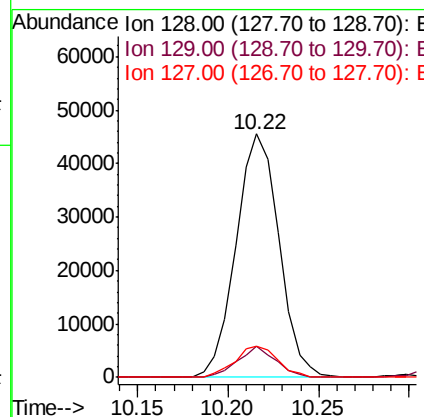
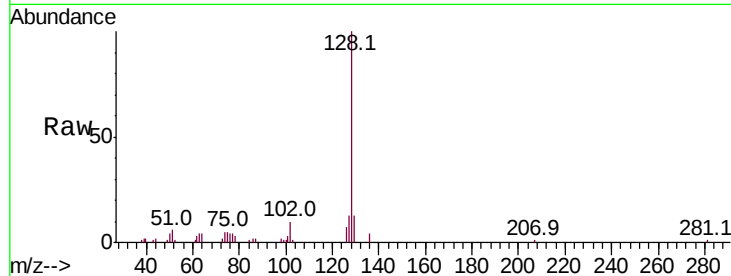




#28
Naphthalene
Concen: 1.765 ng/ul
RT: 10.22 min Scan# 1246
Delta R.T. 0.00 min
Lab File: BM024735.D
Acq: 06 Feb 2020 19:38

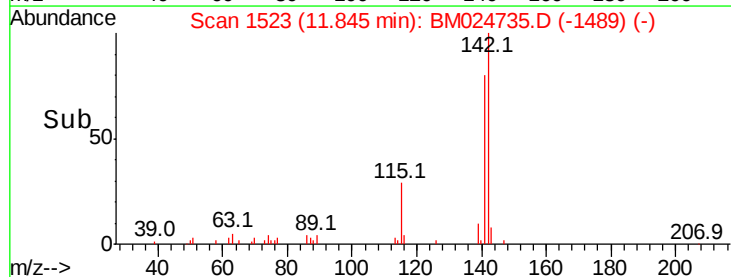
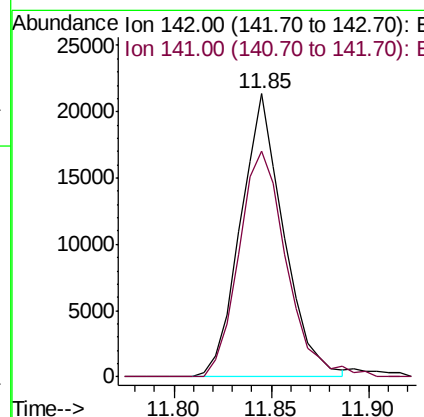
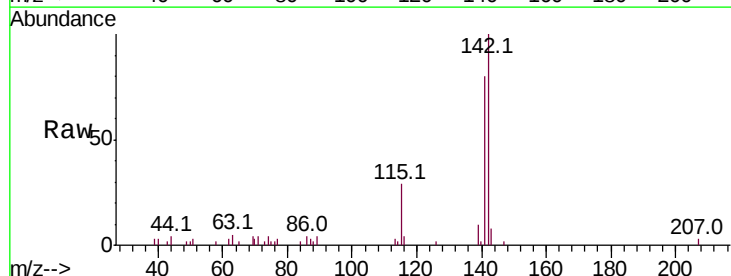
Instrument :
BNA_M
ClientSampleId :

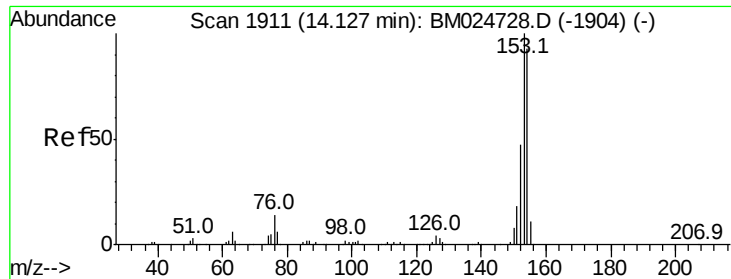
Tot Ion:128 Resp: 75186
Ion Ratio Lower Upper
128 100
129 12.6 9.1 13.7
127 12.7 10.4 15.6



#34
2-Methylnaphthalene
Concen: 1.044 ng/ul
RT: 11.85 min Scan# 1523
Delta R.T. 0.00 min
Lab File: BM024735.D
Acq: 06 Feb 2020 19:38

Tgt Ion:142 Resp: 32742
Ion Ratio Lower Upper
142 100
141 80.0 70.5 105.7





#50

Acenaphthene

Concen: 1.634 ng/ul

RT: 14.13 min Scan# 1911

Delta R.T. 0.00 min

Lab File: BM024735.D

Acq: 06 Feb 2020 19:38

Instrument :

BNA_M

ClientSampled :

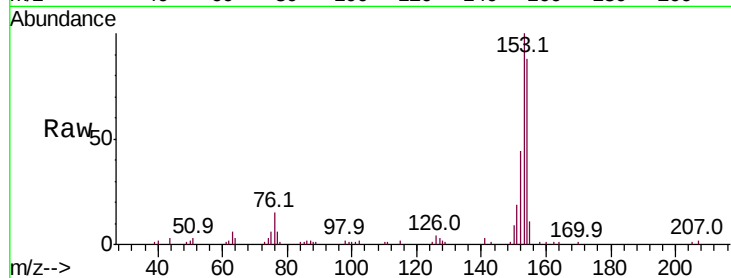
Tot Ion:153 Resp: 58633

Ion Ratio Lower Upper

153 100

152 44.2 37.3 55.9

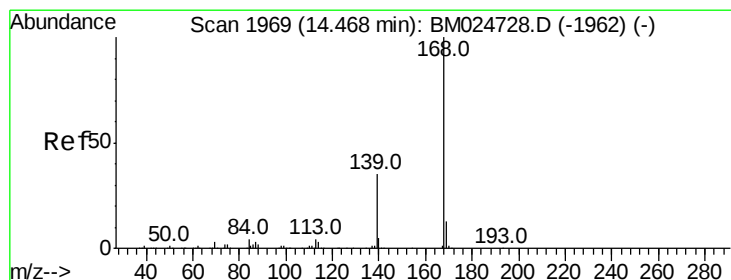
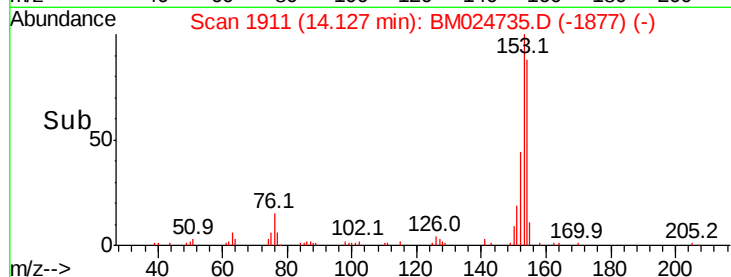
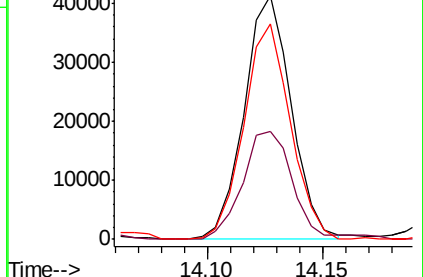
154 88.3 74.1 111.1



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: 1.373 ng/ul

RT: 14.47 min Scan# 1969

Delta R.T. 0.00 min

Lab File: BM024735.D

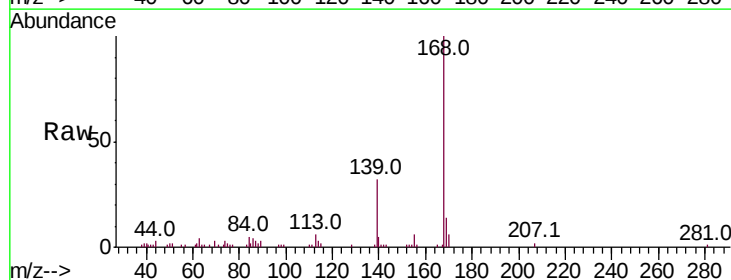
Acq: 06 Feb 2020 19:38

Tgt Ion:168 Resp: 73469

Ion Ratio Lower Upper

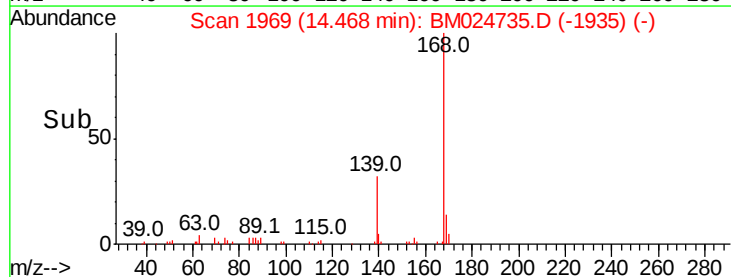
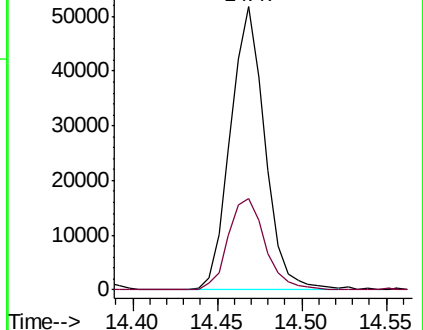
168 100

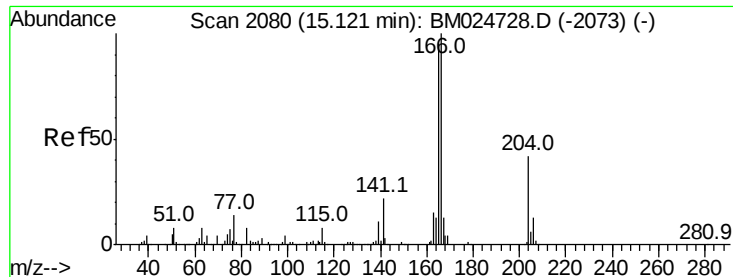
139 32.2 27.8 41.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

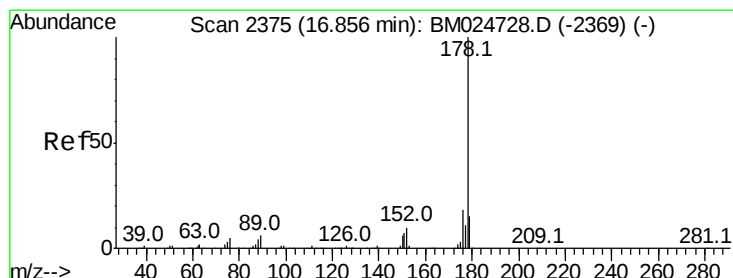
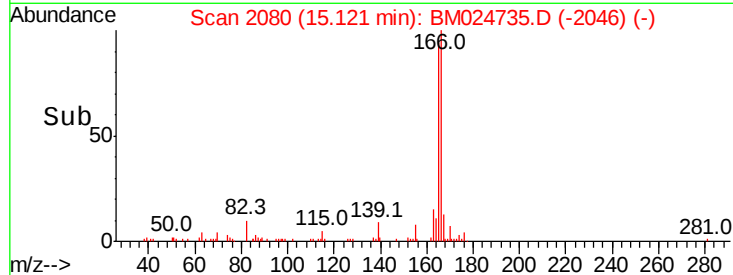
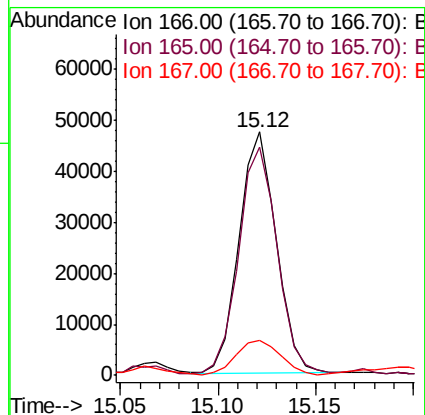
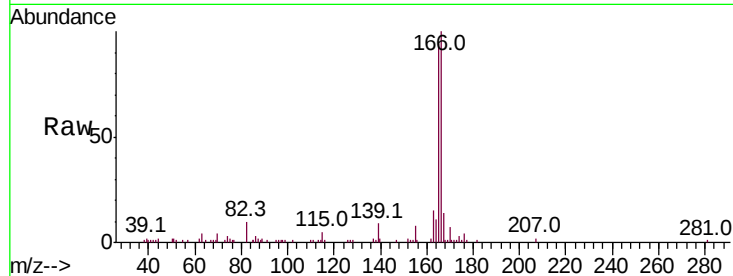




#59
 Fluorene
 Concen: 1.426 ng/ul
 RT: 15.12 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: BM024735.D
 Acq: 06 Feb 2020 19:38

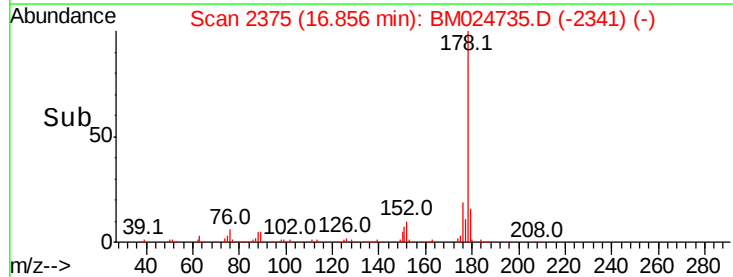
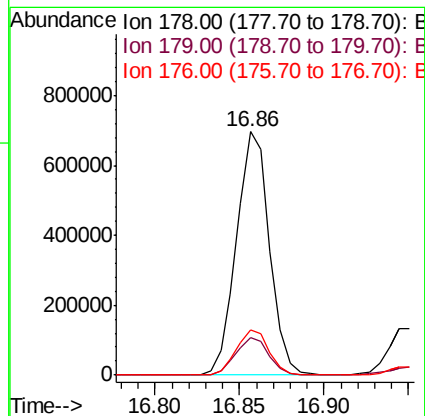
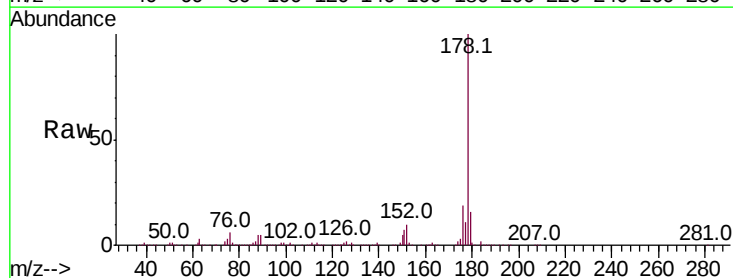
Instrument :
 BNA_M
 ClientSampleId :

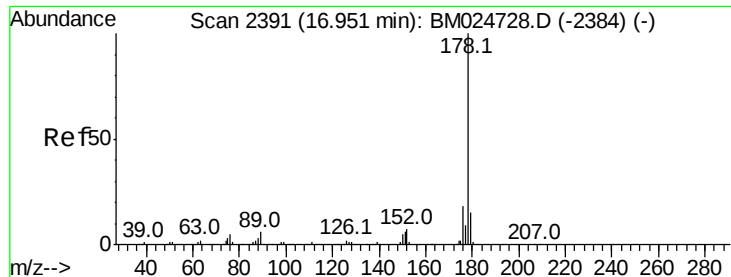
Tot Ion:166 Resp: 62862
 Ion Ratio Lower Upper
 166 100
 165 93.9 75.8 113.8
 167 14.5 10.6 16.0



#70
 Phenanthrene
 Concen: 12.987 ng/ul
 RT: 16.86 min Scan# 2375
 Delta R.T. 0.00 min
 Lab File: BM024735.D
 Acq: 06 Feb 2020 19:38

Tgt Ion:178 Resp: 945631
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.2 18.2
 176 18.6 14.5 21.7





#72

Anthracene

Concen: 2.629 ng/ul

RT: 16.94 min Scan# 2390

Delta R.T. -0.01 min

Lab File: BM024735.D

Acq: 06 Feb 2020 19:38

Instrument :

BNA_M

ClientSampleId :

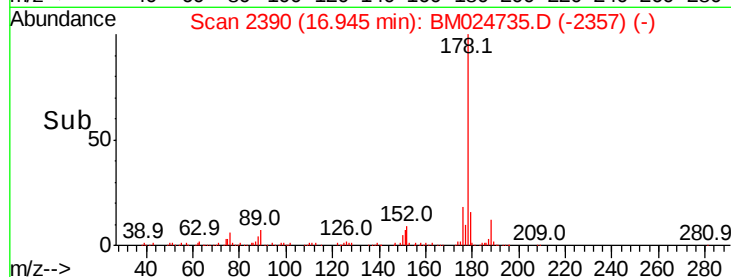
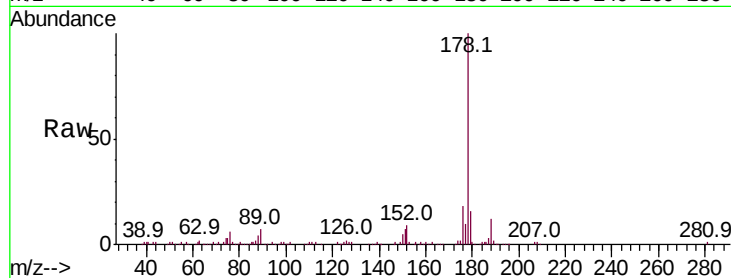
Tot Ion:178 Resp: 194123

Ion Ratio Lower Upper

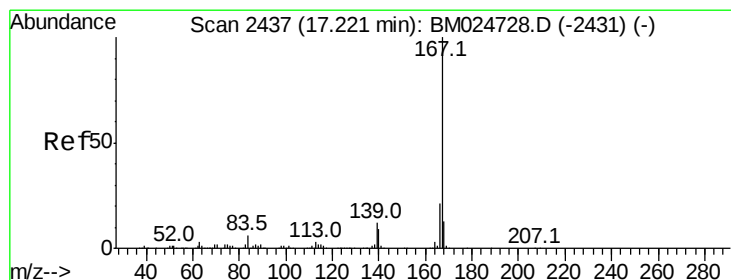
178 100

179 15.8 12.3 18.5

176 18.3 14.1 21.1



Time-->



#75

Carbazole

Concen: 1.182 ng/ul

RT: 17.23 min Scan# 2438

Delta R.T. 0.01 min

Lab File: BM024735.D

Acq: 06 Feb 2020 19:38

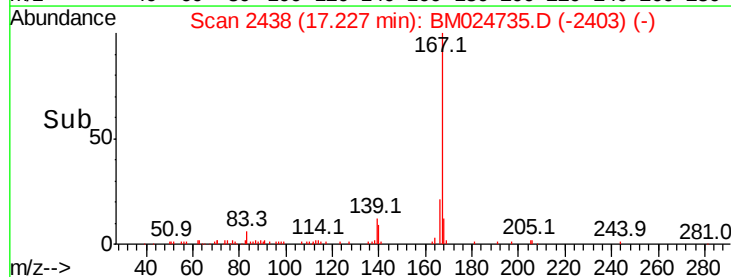
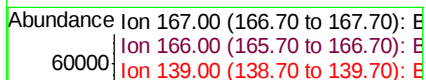
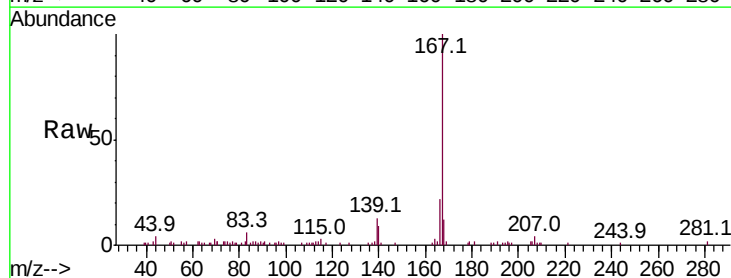
Tgt Ion:167 Resp: 72696

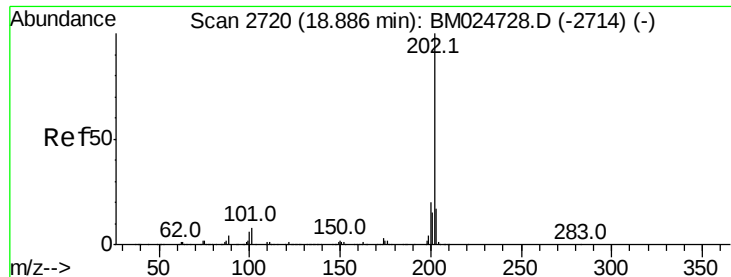
Ion Ratio Lower Upper

167 100

166 21.9 16.6 24.8

139 13.2 9.3 13.9

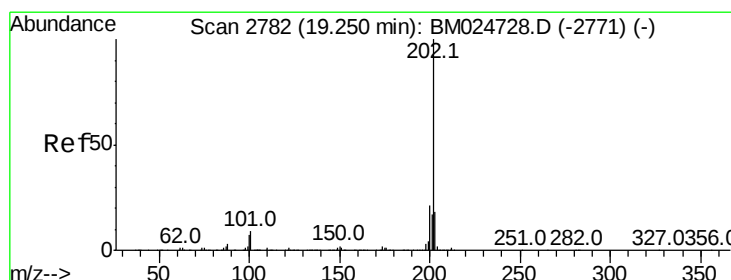
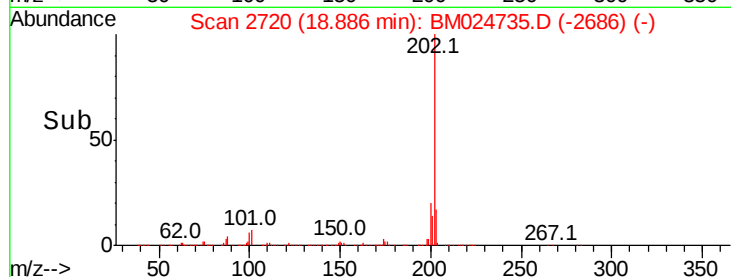
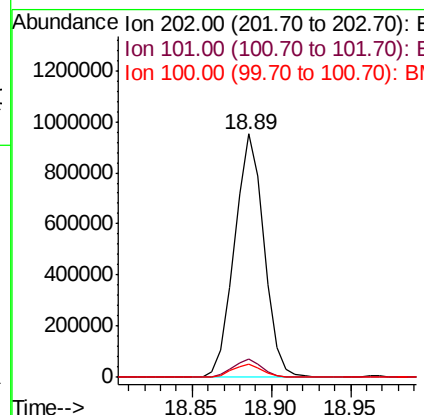
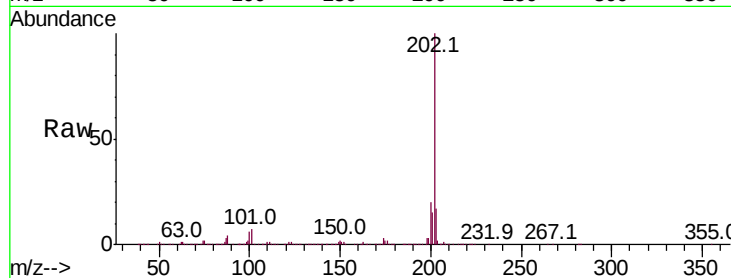




#77
 Fluoranthene
 Concen: 13.695 ng/ul
 RT: 18.89 min Scan# 2720
 Delta R.T. 0.00 min
 Lab File: BM024735.D
 Acq: 06 Feb 2020 19:38

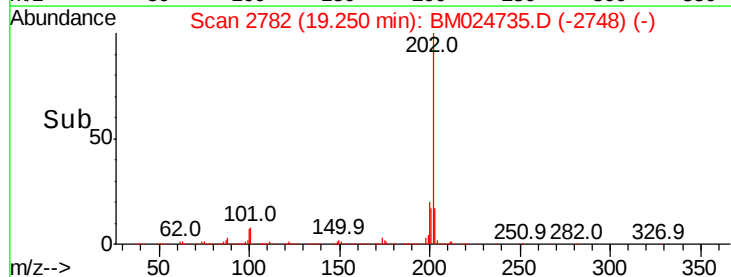
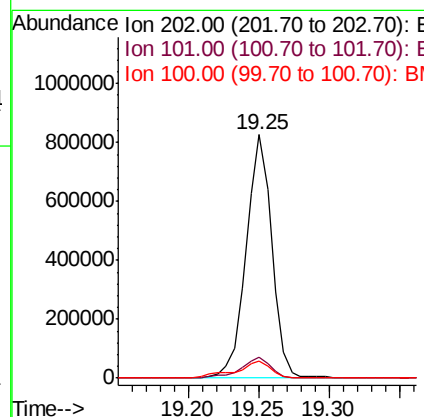
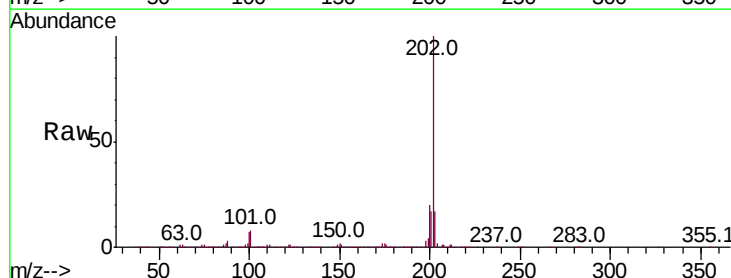
Instrument :
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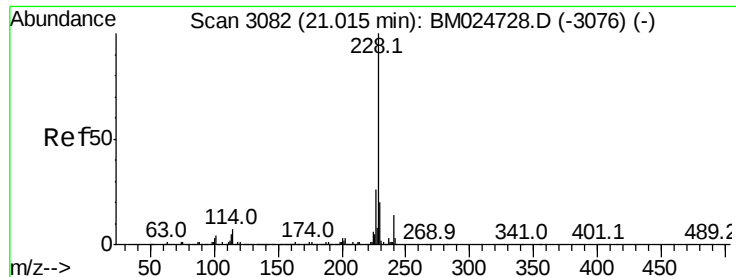
Tot Ion	Ratio	Lower	Upper
202	100		
101	7.4	6.1	9.1
100	5.7	4.8	7.2



#80
 Pyrene
 Concen: 10.752 ng/ul
 RT: 19.25 min Scan# 2782
 Delta R.T. 0.00 min
 Lab File: BM024735.D
 Acq: 06 Feb 2020 19:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	7.0	10.4
100	7.1	5.8	8.8

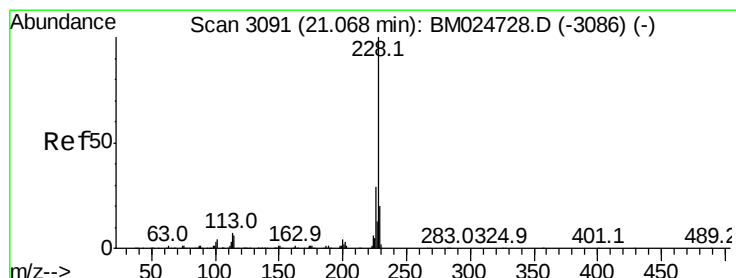
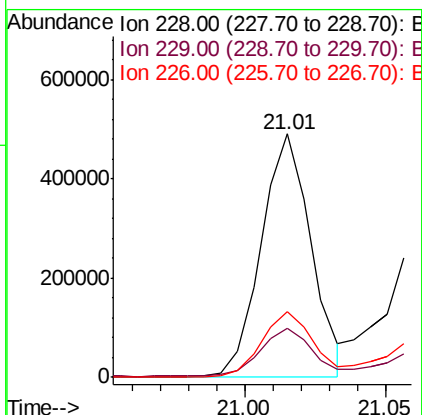
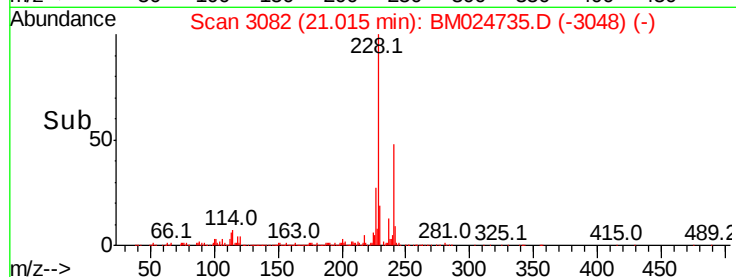
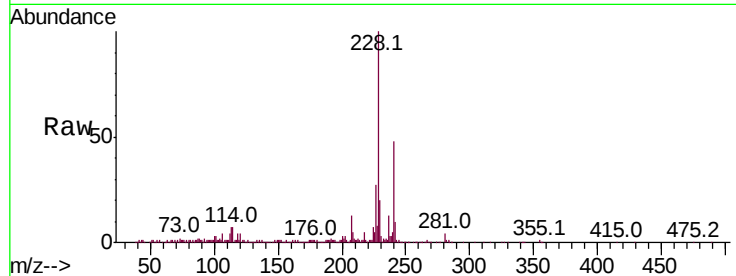




#83
Benzo(a)anthracene
Concen: 6.019 ng/ul
RT: 21.01 min Scan# 3082
Delta R.T. 0.00 min
Lab File: BM024735.D
Acq: 06 Feb 2020 19:38

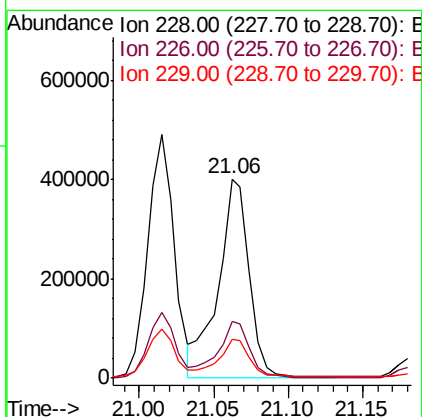
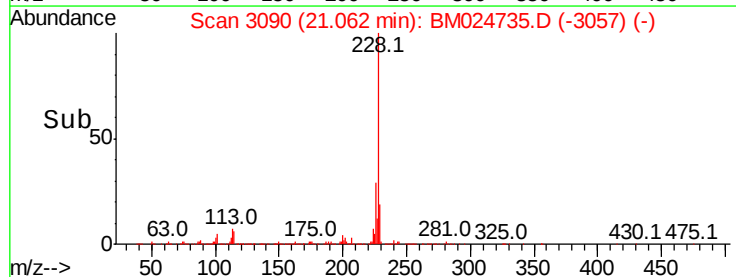
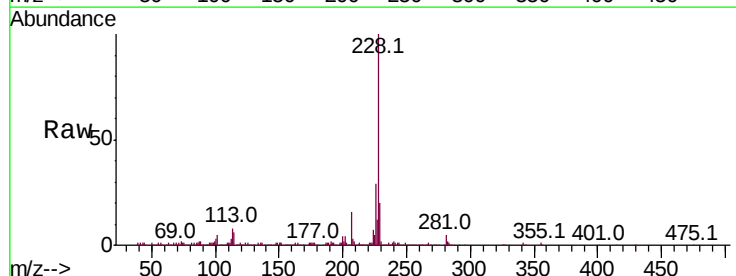
Instrument :
BNA_M
ClientSampleId :

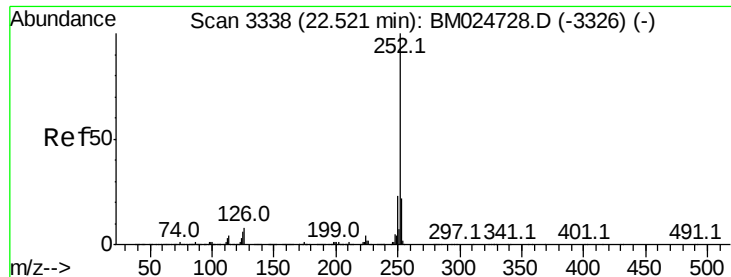
Tot Ion:228 Resp: 597662
Ion Ratio Lower Upper
228 100
229 19.9 15.9 23.9
226 26.8 20.8 31.2



#85
Chrysene
Concen: 5.974 ng/ul
RT: 21.06 min Scan# 3090
Delta R.T. -0.01 min
Lab File: BM024735.D
Acq: 06 Feb 2020 19:38

Tgt Ion:228 Resp: 584012
Ion Ratio Lower Upper
228 100
226 28.7 23.0 34.4
229 19.5 15.8 23.8





#88

Benzo(b)fluoranthene

Concen: 6.774 ng/ul

RT: 22.52 min Scan# 3338

Delta R.T. 0.00 min

Lab File: BM024735.D

Acq: 06 Feb 2020 19:38

Instrument :

BNA_M

ClientSampleId :

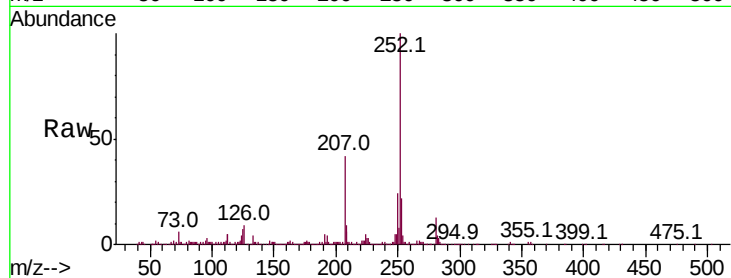
Tot Ion:252 Resp: 725572

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

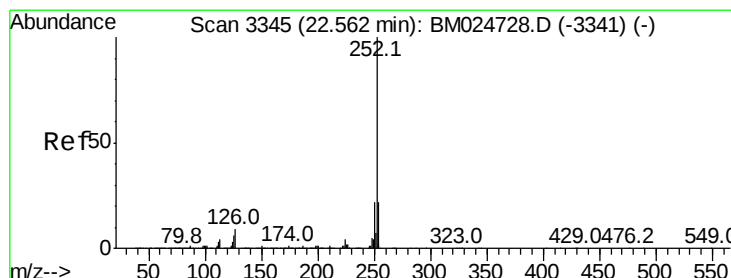
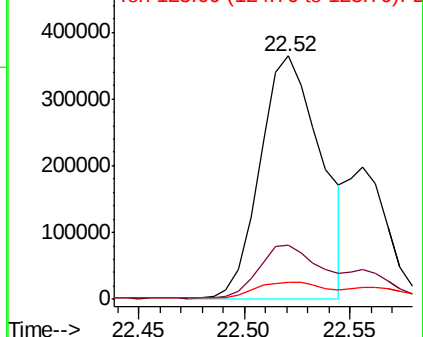
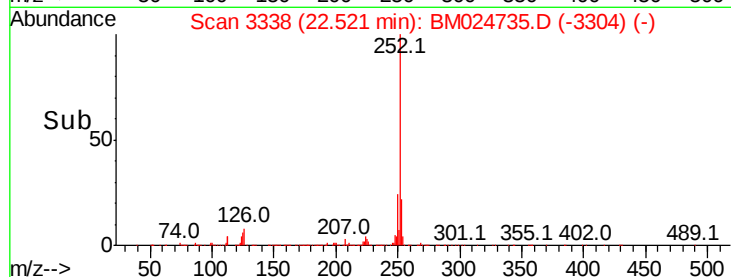
125 7.0 5.1 7.7



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: 7.037 ng/ul

RT: 22.52 min Scan# 3338

Delta R.T. -0.04 min

Lab File: BM024735.D

Acq: 06 Feb 2020 19:38

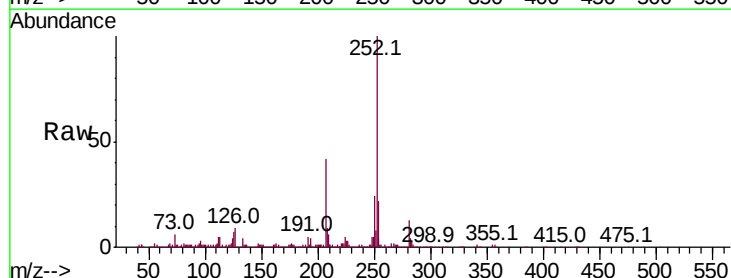
Tgt Ion:252 Resp: 725572

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

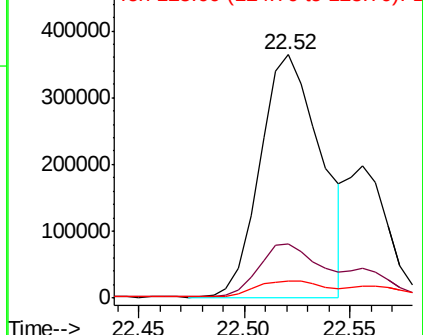
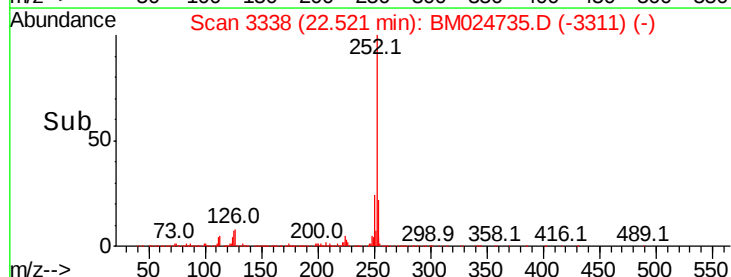
125 7.0 5.1 7.7

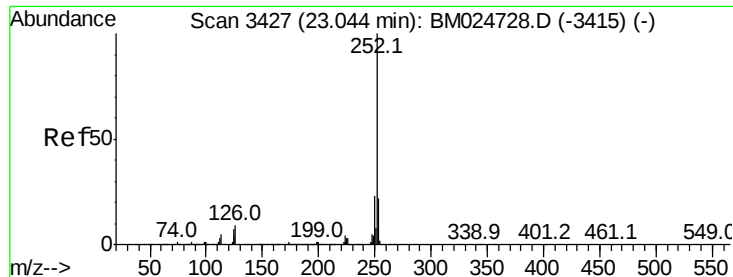


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 5.077 ng/ul

RT: 23.04 min Scan# 3427

Delta R.T. 0.00 min

Lab File: BM024735.D

Acq: 06 Feb 2020 19:38

Instrument :

BNA_M

ClientSampleId :

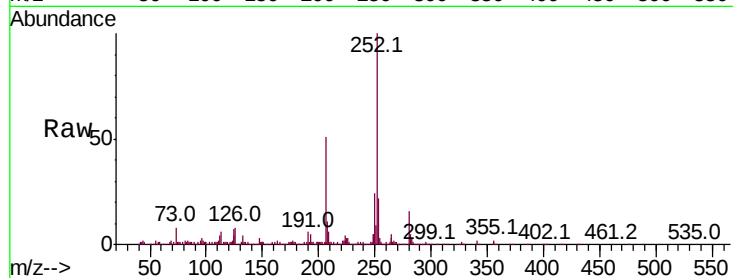
Tot Ion:252 Resp: 487524

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

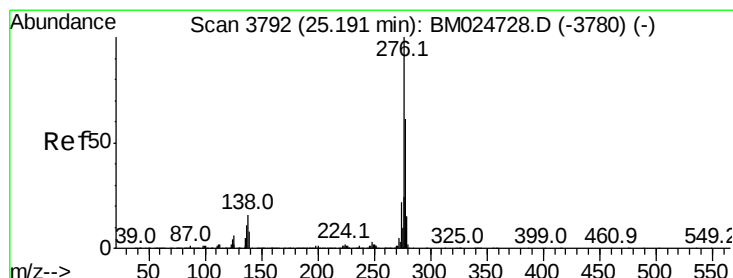
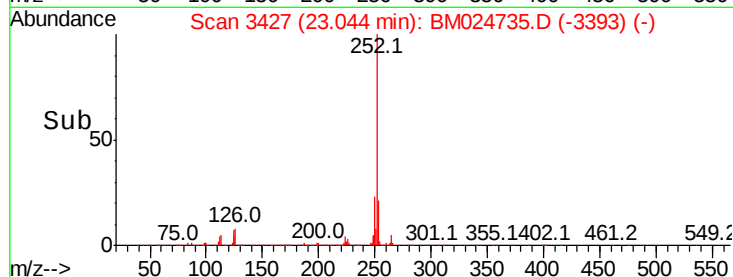
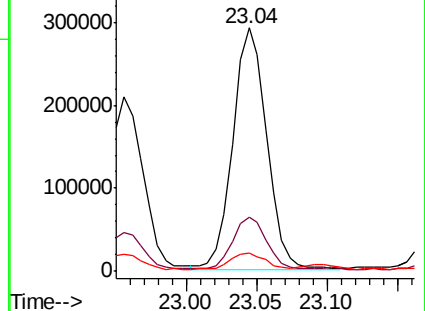
125 7.5 5.6 8.4



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: 2.712 ng/ul

RT: 25.19 min Scan# 3791

Delta R.T. -0.01 min

Lab File: BM024735.D

Acq: 06 Feb 2020 19:38

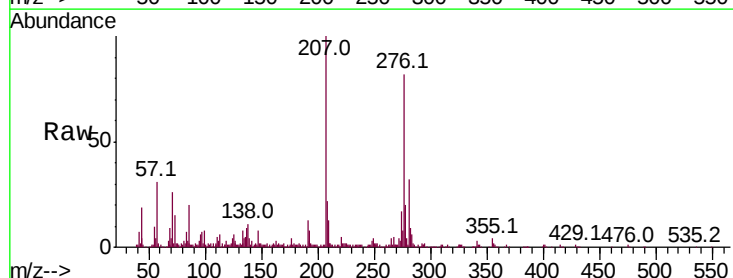
Tgt Ion:276 Resp: 324236

Ion Ratio Lower Upper

276 100

138 13.9 12.8 19.2

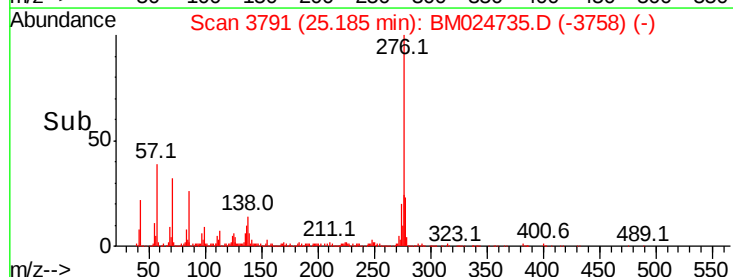
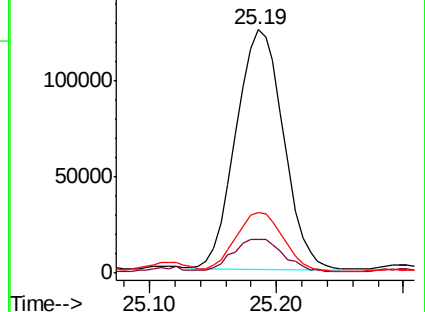
277 24.7 19.3 28.9

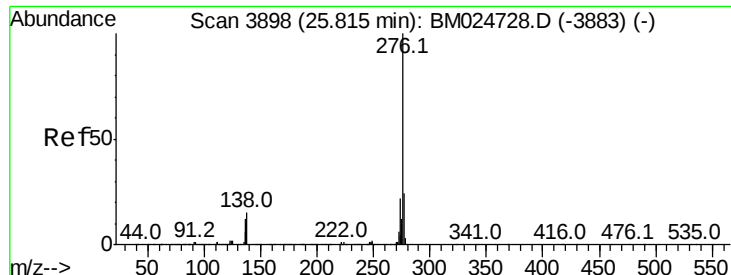


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#94

Benzo(a,h,i)perylene

Concen: 3.012 ng/ul

RT: 25.81 min Scan# 3897

Delta R.T. -0.01 min

Lab File: BM024735.D

Acq: 06 Feb 2020 19:38

Instrument :

BNA_M

ClientSampleId :

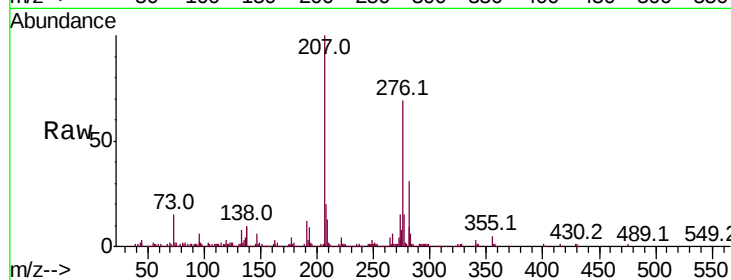
Tot Ion:276 Resp: 299540

Ion Ratio Lower Upper

276 100

138 14.3 11.8 17.6

277 22.1 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

