

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082619\
 Data File : BM022375.D
 Acq On : 27 Aug 2019 20:13
 Operator : HP/JU
 Sample : K4242-02ME
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 28 02:29:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 27 17:04:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	25624	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.31	136	117540	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.20	164	83773	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.96	188	196667	20.00	ng/ul	-0.02
77) Chrysene-d12	21.17	240	212556	20.00	ng/ul	0.00
85) Perylene-d12	23.36	264	187655	20.00	ng/ul	-0.01

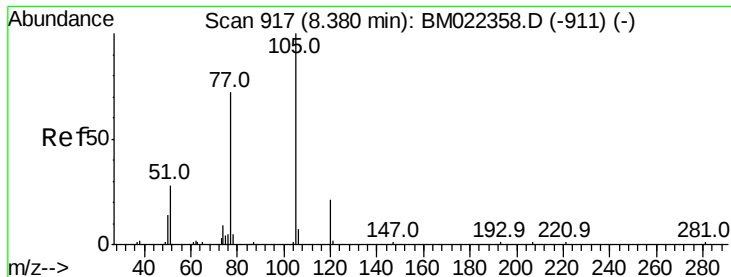
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	1798	3.14	ng/uL	0.00
5) Phenol-d5	6.74	99	40281	18.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.90	67	24548	19.08	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.08	132	34979	19.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	35856	18.71	ng/ul	-0.01
19) Nitrobenzene-d5	8.72	128	17870	20.39	ng/ul	0.00
22) 2-Nitrophenol-d4	9.42	143	19294	18.91	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	9.96	165	39917	19.22	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	42142	16.69	ng/ul	0.00
43) Dimethylphthalate-d6	13.62	166	142650	19.34	ng/ul	-0.01
46) Acenaphthylene-d8	13.89	160	152577	19.20	ng/ul	-0.01
51) 4-Nitrophenol-d4	14.50	143	7429	6.80	ng/ul	0.03
57) Fluorene-d10	15.20	176	121507	19.86	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.38	200	15760	10.39	ng/ul	0.00
70) Anthracene-d10	17.06	188	210746	20.24	ng/ul	-0.01
78) Pyrene-d10	19.37	212	293008	26.52	ng/ul	-0.01
89) Benzo(a)pyrene-d12	23.22	264	225482	21.87	ng/ul	-0.01

Target Compounds

				Ovalue	
14) Acetophenone	8.39	105	4869	1.469 ng/ul	94
44) Dimethylphthalate	13.67	163	15611	2.080 ng/ul#	95
49) Acenaphthene	14.26	153	17284	2.954 ng/ul	94
53) Dibenzofuran	14.61	168	9961	1.143 ng/ul	98
58) Fluorene	15.26	166	16564	2.257 ng/ul	99
69) Phenanthrene	17.00	178	403487	34.294 ng/ul	99
71) Anthracene	17.10	178	97037	7.926 ng/ul	98
74) Carbazole	17.39	167	36171	3.271 ng/ul	98
76) Fluoranthene	19.03	202	811688	45.780 ng/ul#	96
79) Pyrene	19.40	202	694263	50.463 ng/ul#	95
82) Benzo(a)anthracene	21.16	228	342631	21.417 ng/ul	98
84) Chrysene	21.21	228	285318	19.074 ng/ul	98
87) Benzo(b)fluoranthene	22.71	252	298808	22.890 ng/ul	97
88) Benzo(k)fluoranthene	22.75	252	101493	8.018 ng/ul	99
90) Benzo(a)pyrene	23.27	252	223594	17.970 ng/ul	96
91) Indeno(1,2,3-cd)pyrene	25.54	276	126693	8.769 ng/ul#	94
92) Dibenz(a,h)anthracene	25.54	278	31693	2.584 ng/ul#	89
93) Benzo(g,h,i)perylene	26.21	276	116087	10.532 ng/ul	96

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



#14

Acetophenone

Concen: 1.469 ng/ul

RT: 8.39 min Scan# 918

Delta R.T. 0.00 min

Lab File: BM022375.D

Acq: 27 Aug 2019 20:13

Instrument :

BNA_M

ClientSampleId :

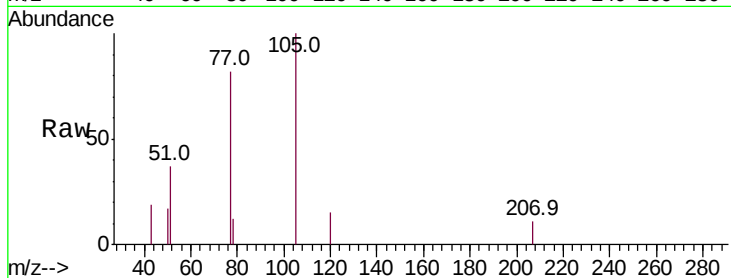
Tot Ion:105 Resp: 4869

Ion Ratio Lower Upper

105 100

77 81.8 68.4 102.6

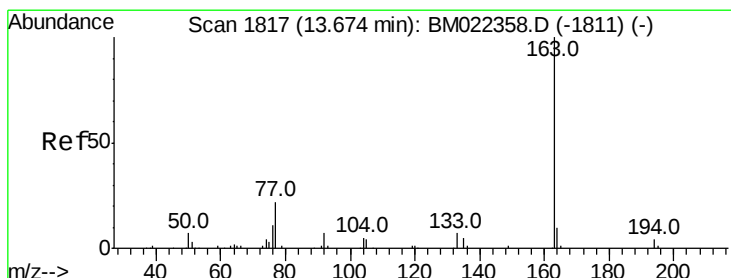
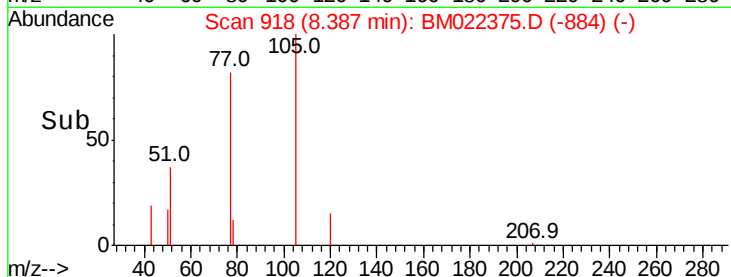
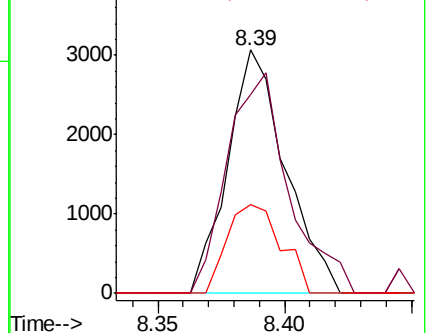
51 36.6 25.0 37.4



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 51.00 (50.70 to 51.70): BM



#44

Dimethylphthalate

Concen: 2.080 ng/ul

RT: 13.67 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BM022375.D

Acq: 27 Aug 2019 20:13

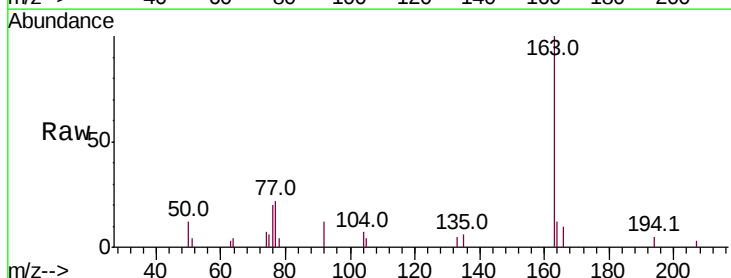
Tgt Ion:163 Resp: 15611

Ion Ratio Lower Upper

163 100

194 4.8 3.0 4.6#

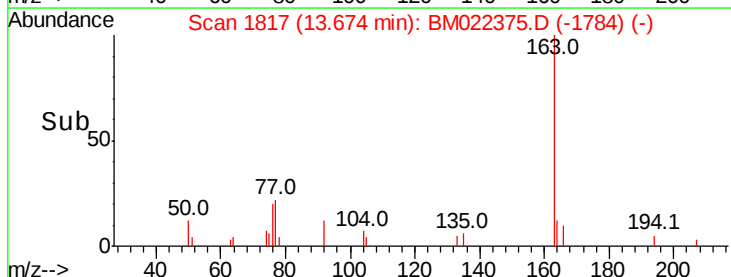
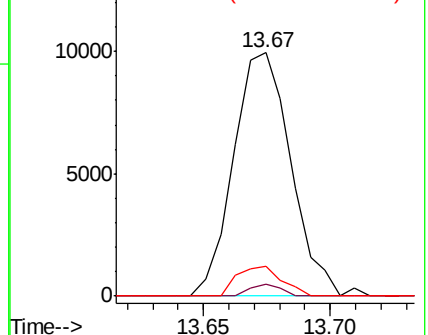
164 12.1 7.8 11.8#

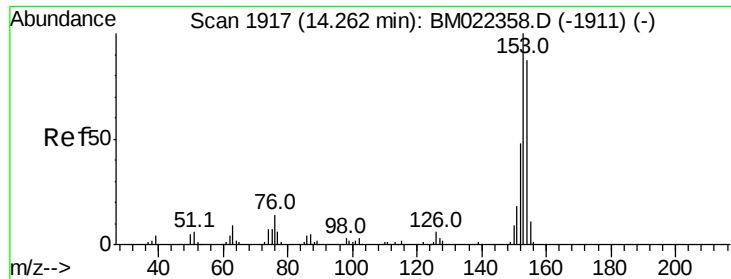


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 2.954 ng/ul

RT: 14.26 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BM022375.D

Acq: 27 Aug 2019 20:13

Instrument :

BNA_M

ClientSampleId :

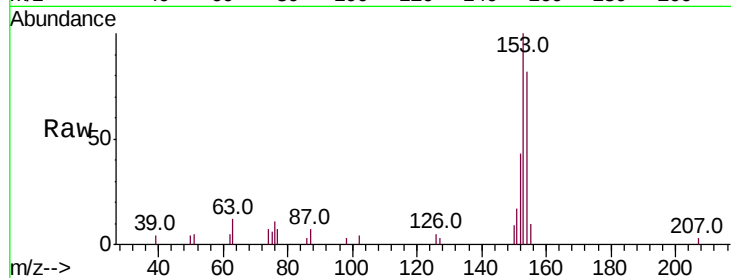
Tot Ion:153 Resp: 17284

Ion Ratio Lower Upper

153 100

152 42.8 38.6 58.0

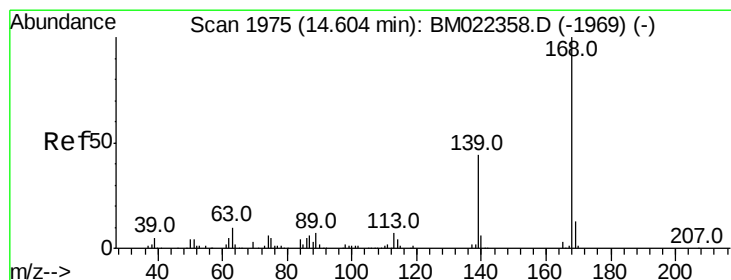
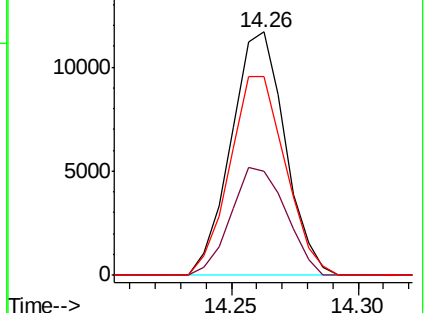
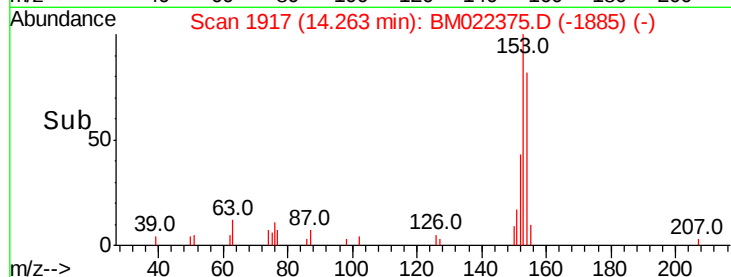
154 81.8 68.9 103.3



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



#53

Dibenzofuran

Concen: 1.143 ng/ul

RT: 14.61 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BM022375.D

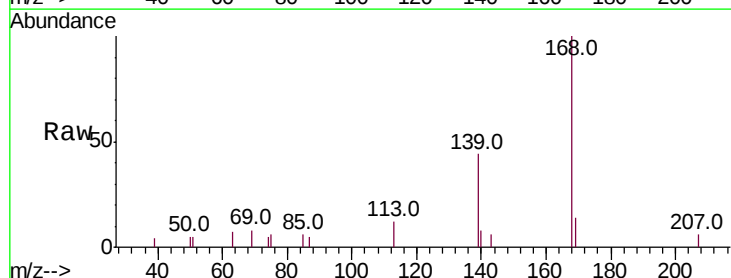
Acq: 27 Aug 2019 20:13

Tgt Ion:168 Resp: 9961

Ion Ratio Lower Upper

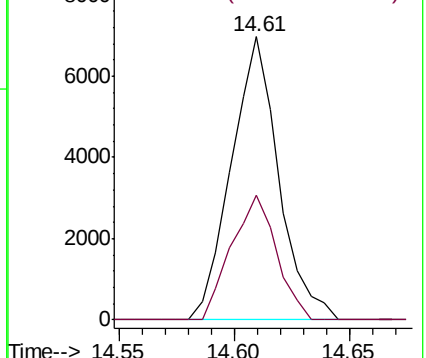
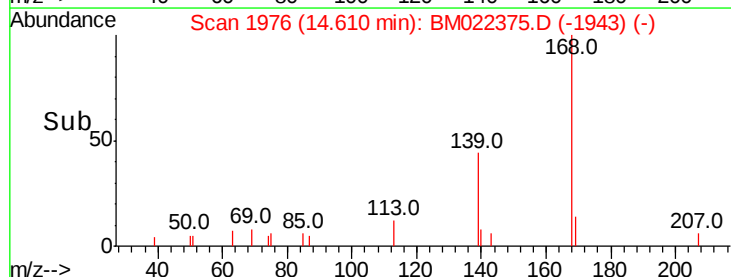
168 100

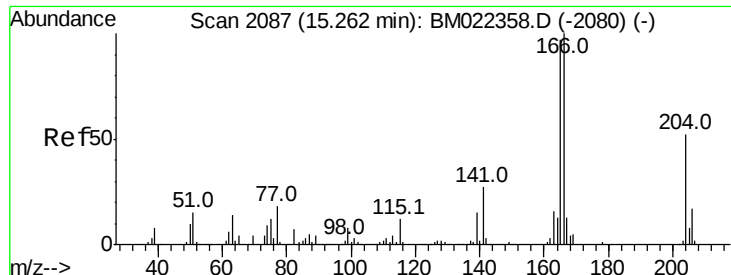
139 44.2 36.2 54.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.257 ng/ul

RT: 15.26 min Scan# 2087

Delta R.T. -0.01 min

Lab File: BM022375.D

Acq: 27 Aug 2019 20:13

Instrument :

BNA_M

ClientSampled :

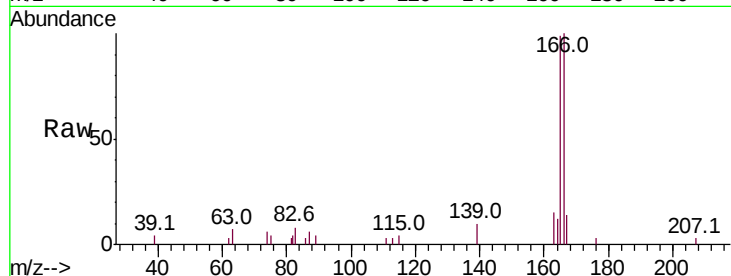
Tot Ion:166 Resp: 16564

Ion Ratio Lower Upper

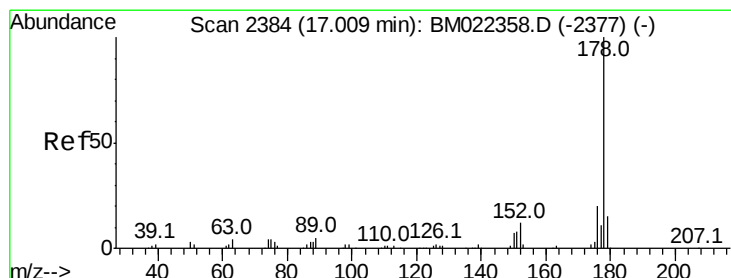
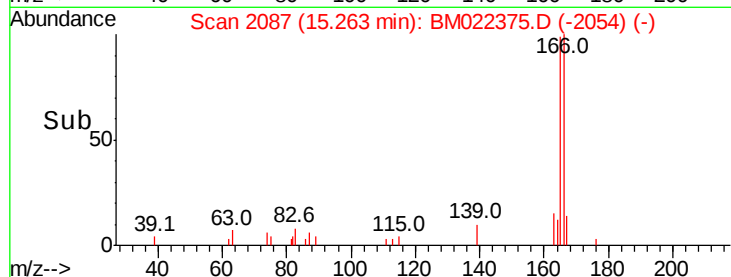
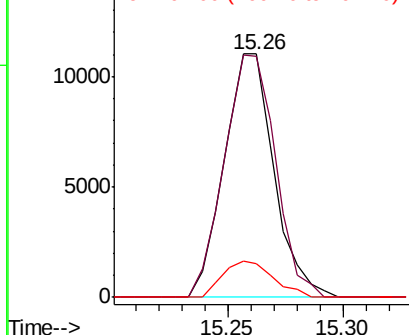
166 100

165 99.2 80.2 120.2

167 13.9 11.4 17.0



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



#69

Phenanthrene

Concen: 34.294 ng/ul

RT: 17.00 min Scan# 2383

Delta R.T. -0.01 min

Lab File: BM022375.D

Acq: 27 Aug 2019 20:13

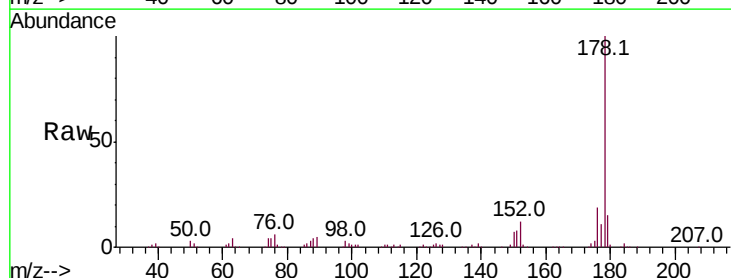
Tgt Ion:178 Resp: 403487

Ion Ratio Lower Upper

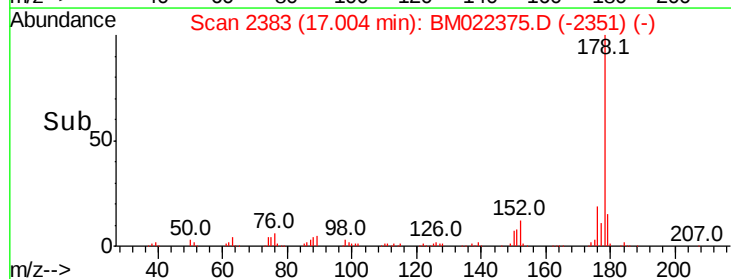
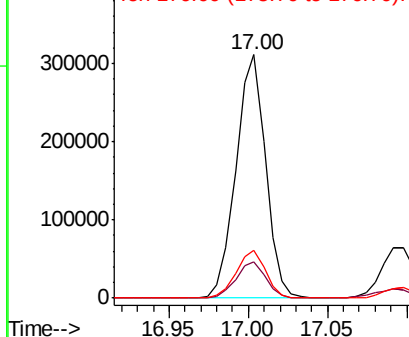
178 100

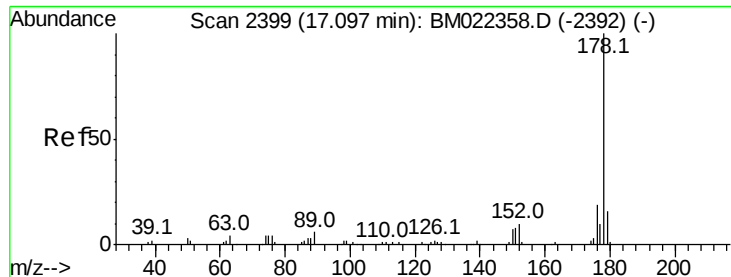
179 15.0 12.4 18.6

176 19.4 15.4 23.0



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





#71

Anthracene

Concen: 7.926 ng/ul

RT: 17.10 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BM022375.D

Acq: 27 Aug 2019 20:13

Instrument :

BNA_M

ClientSampleId :

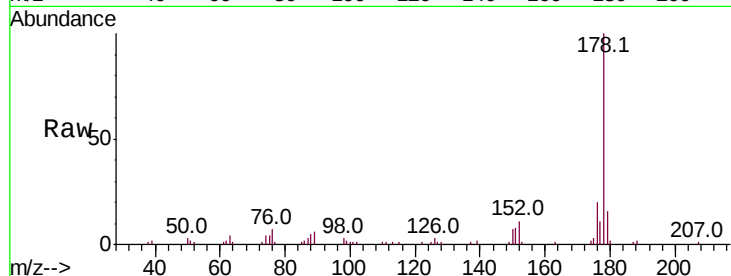
Tot Ion:178 Resp: 97037

Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.3	18.5
176	20.1	15.5	23.3

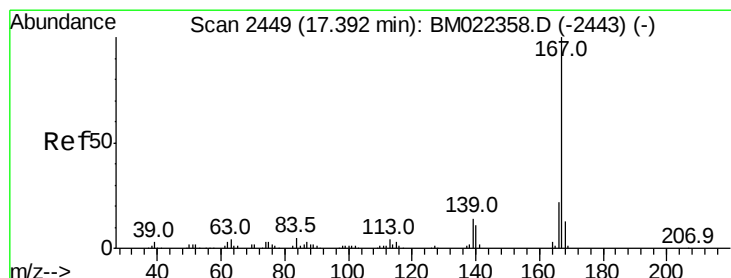
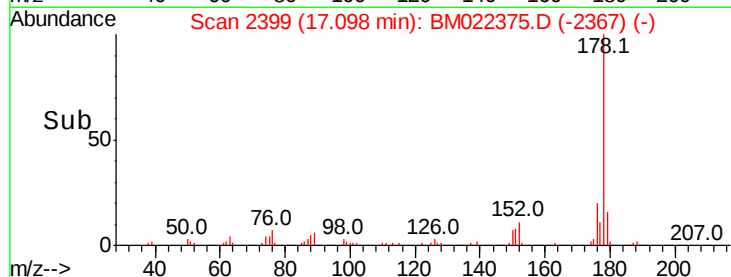
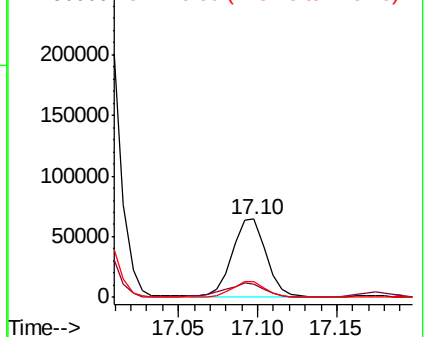
178 100

179 16.4 12.3 18.5

176 20.1 15.5 23.3



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



#74

Carbazole

Concen: 3.271 ng/ul

RT: 17.39 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BM022375.D

Acq: 27 Aug 2019 20:13

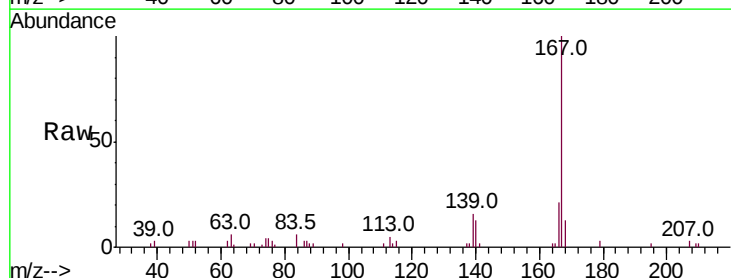
Tgt Ion:167 Resp: 36171

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.8	26.8
139	15.5	11.8	17.8

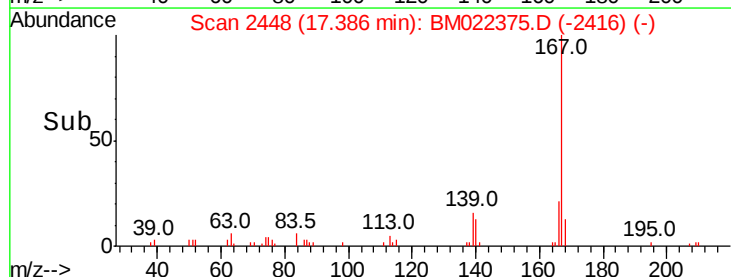
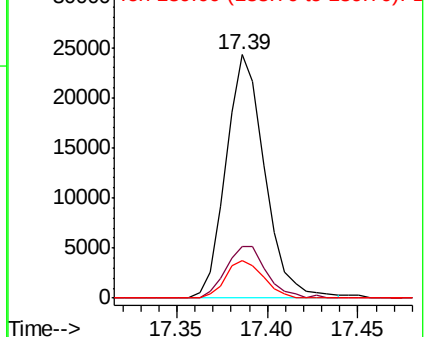
167 100

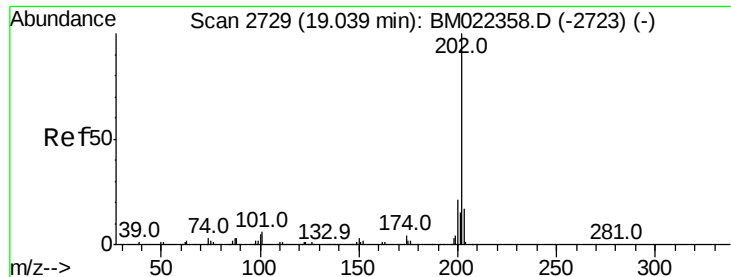
166 21.2 17.8 26.8

139 15.5 11.8 17.8



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

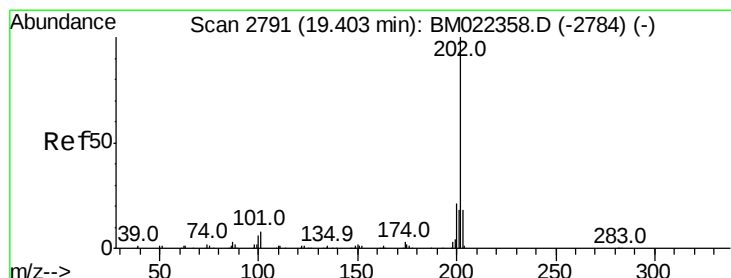
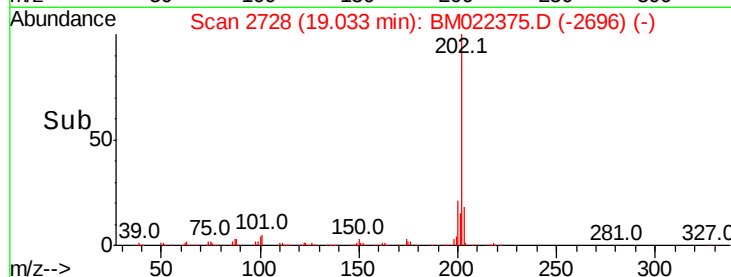
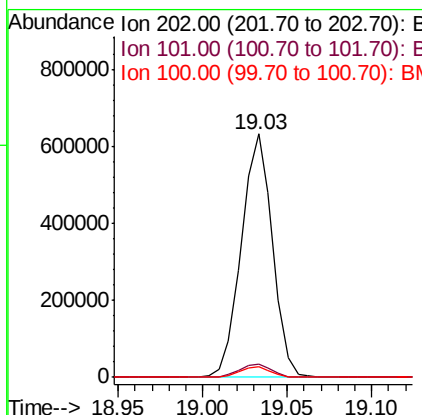
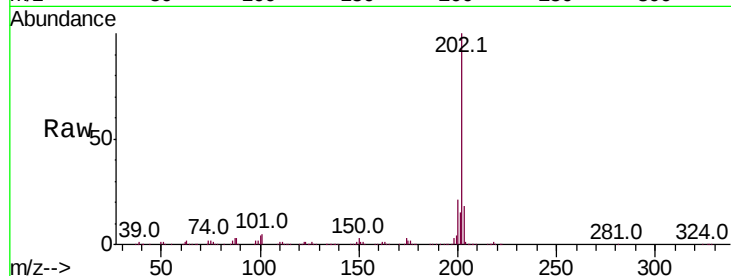




#76
 Fluoranthene
 Concen: 45.780 ng/ul
 RT: 19.03 min Scan# 2728
 Delta R.T. -0.01 min
 Lab File: BM022375.D
 Acq: 27 Aug 2019 20:13

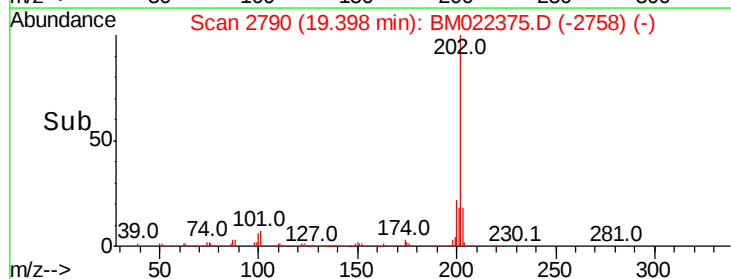
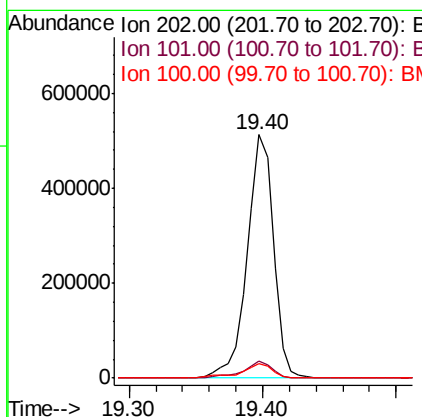
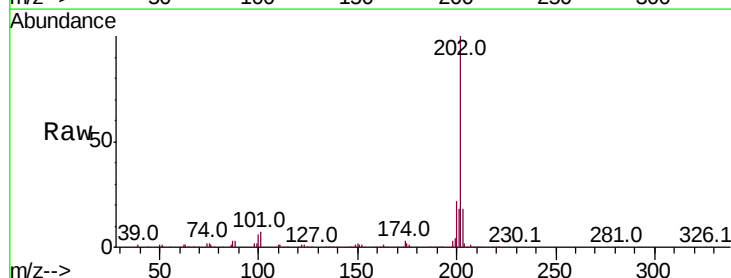
Instrument :
 BNA_M
 ClientSampleId :

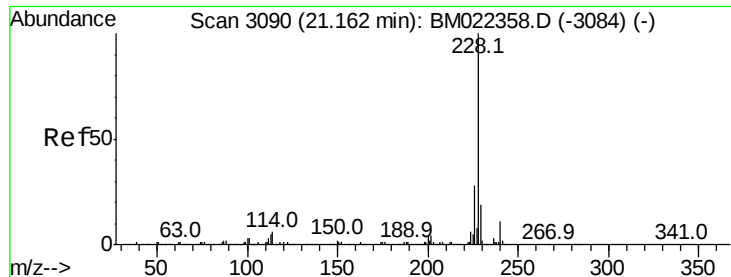
Tot Ion	Ratio	Lower	Upper
202	100		
101	5.3	5.3	7.9
100	4.3	4.6	6.8#



#79
 Pyrene
 Concen: 50.463 ng/ul
 RT: 19.40 min Scan# 2790
 Delta R.T. -0.01 min
 Lab File: BM022375.D
 Acq: 27 Aug 2019 20:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.9	7.0	10.4#
100	5.7	5.8	8.8#





#82

Benzo(a)anthracene

Concen: 21.417 ng/ul

RT: 21.16 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BM022375.D

Acq: 27 Aug 2019 20:13

Instrument :

BNA_M

ClientSampleId :

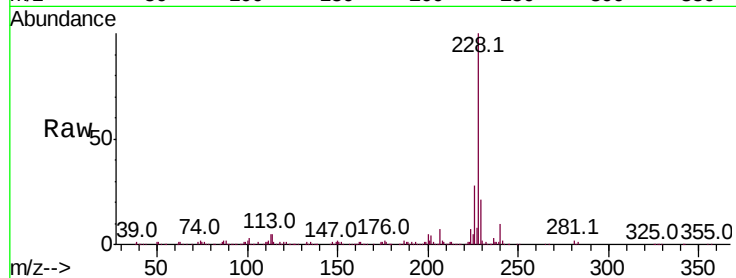
Tot Ion:228 Resp: 342631

Ion Ratio Lower Upper

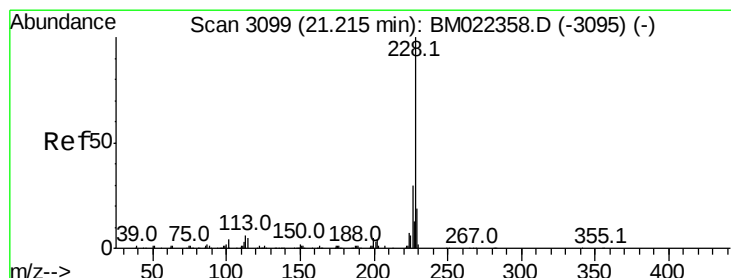
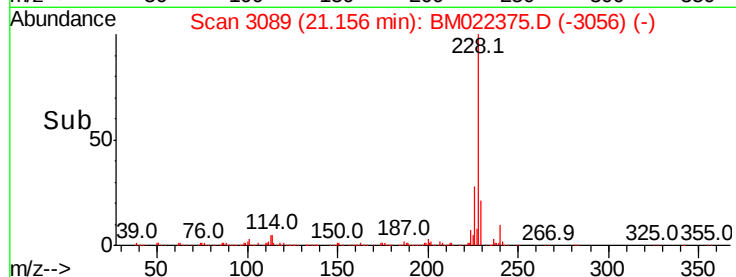
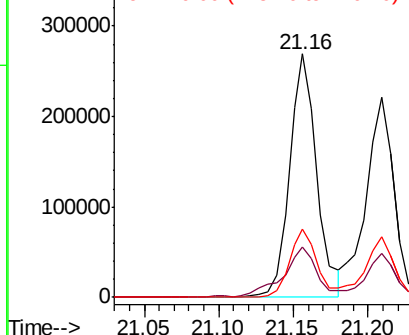
228 100

229 20.9 15.2 22.8

226 27.8 22.3 33.5



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

Chrysene

Concen: 19.074 ng/ul

RT: 21.21 min Scan# 3098

Delta R.T. -0.01 min

Lab File: BM022375.D

Acq: 27 Aug 2019 20:13

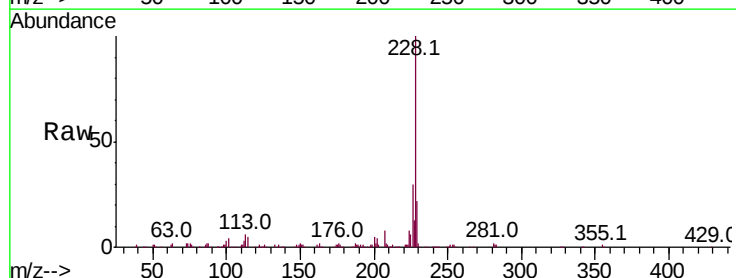
Tgt Ion:228 Resp: 285318

Ion Ratio Lower Upper

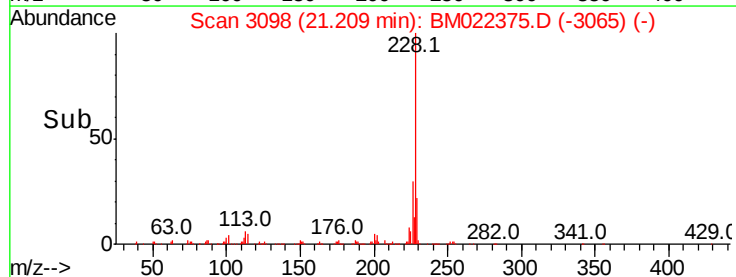
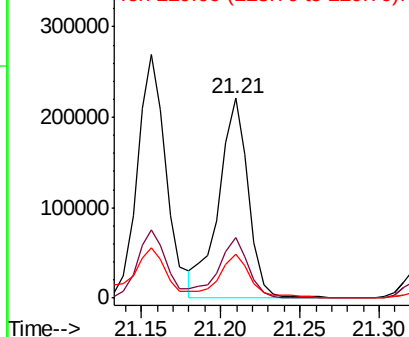
228 100

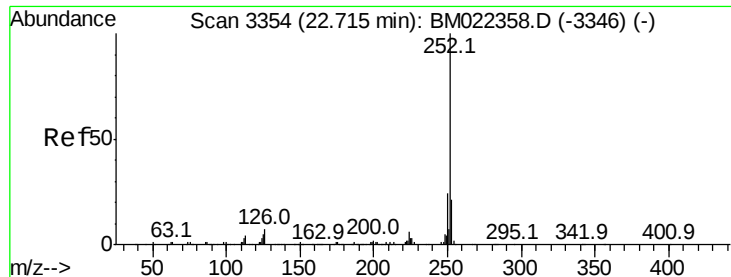
226 30.4 24.7 37.1

229 21.9 15.7 23.5



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

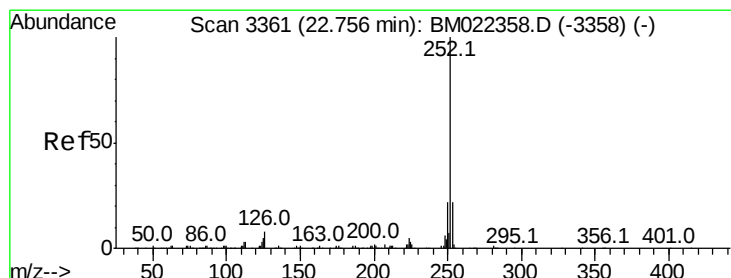
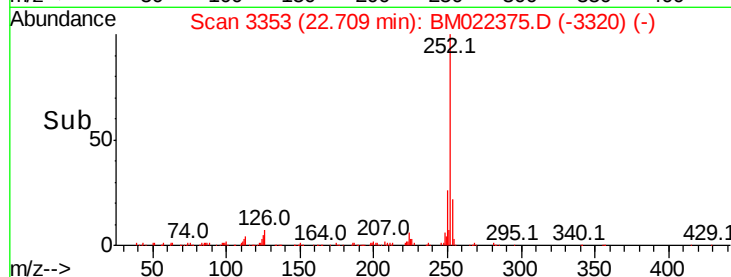
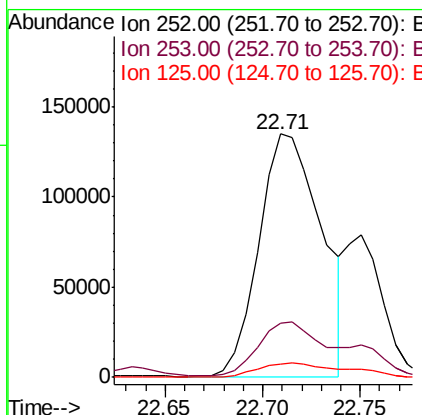
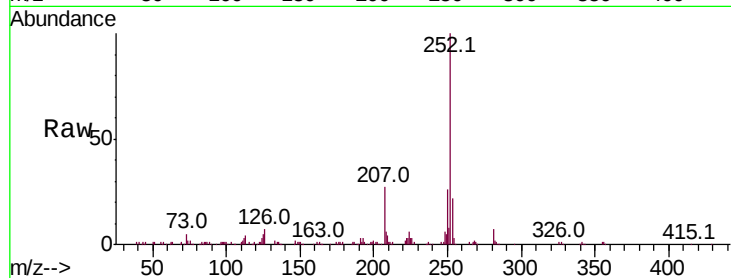




#87
Benzo(b)fluoranthene
Concen: 22.890 ng/ul
RT: 22.71 min Scan# 3353
Delta R.T. -0.01 min
Lab File: BM022375.D
Acq: 27 Aug 2019 20:13

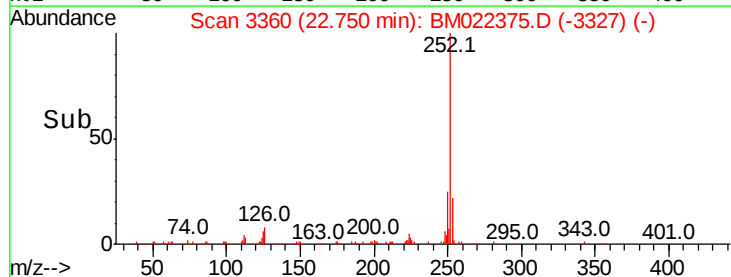
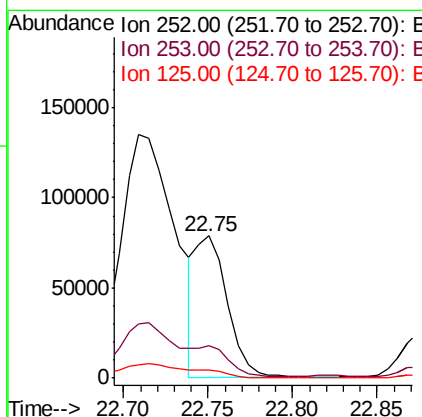
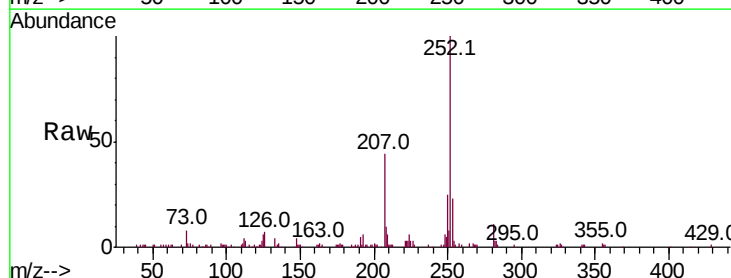
Instrument :
BNA_M
ClientSampleId :

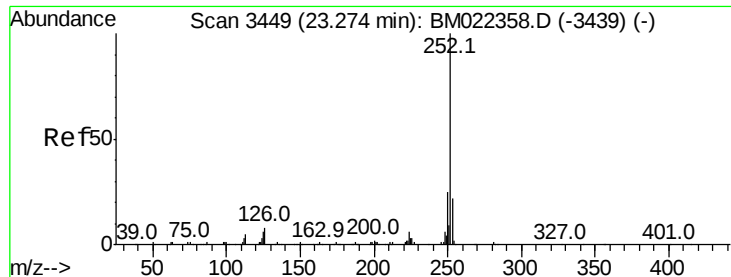
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	5.3	5.2	7.8



#88
Benzo(k)fluoranthene
Concen: 8.018 ng/ul
RT: 22.75 min Scan# 3360
Delta R.T. -0.01 min
Lab File: BM022375.D
Acq: 27 Aug 2019 20:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	5.7	5.1	7.7





#90

Benzo(a)pyrene

Concen: 17.970 ng/u1

RT: 23.27 min Scan# 3448

Delta R.T. -0.01 min

Lab File: BM022375.D

Acq: 27 Aug 2019 20:13

Instrument :

BNA_M

ClientSampleId :

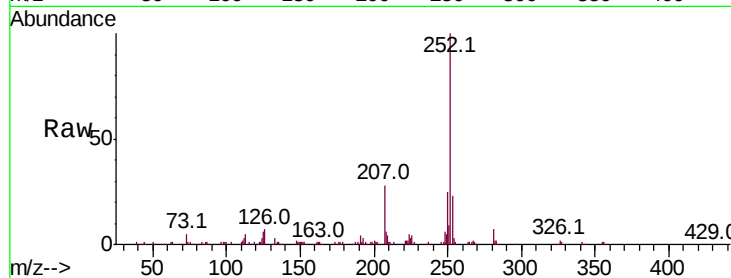
Tot Ion:252 Resp: 223594

Ion Ratio Lower Upper

252 100

253 23.0 16.9 25.3

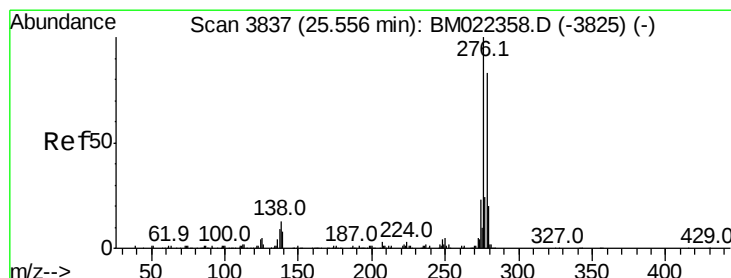
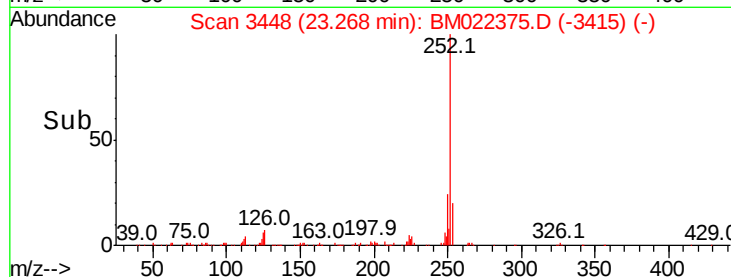
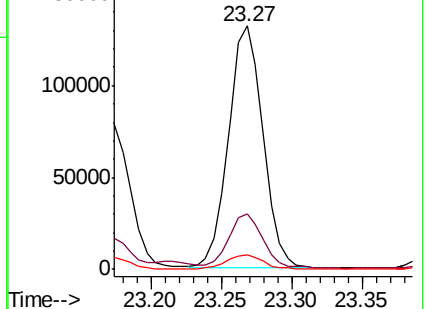
125 5.9 5.5 8.3



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

Indeno(1,2,3-cd)pyrene

Concen: 8.769 ng/u1

RT: 25.54 min Scan# 3835

Delta R.T. -0.02 min

Lab File: BM022375.D

Acq: 27 Aug 2019 20:13

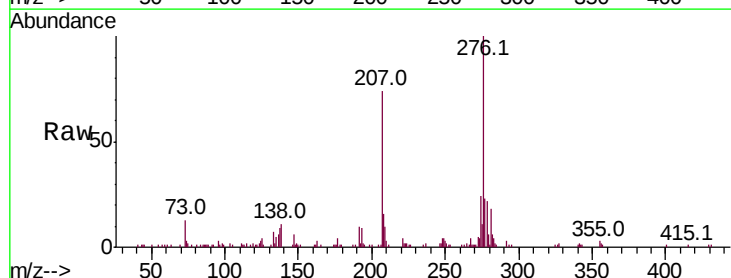
Tgt Ion:276 Resp: 126693

Ion Ratio Lower Upper

276 100

138 11.2 12.6 18.8#

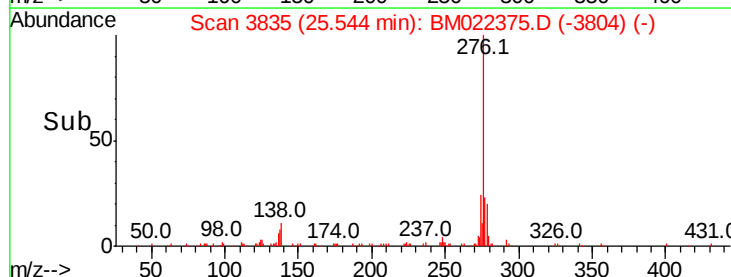
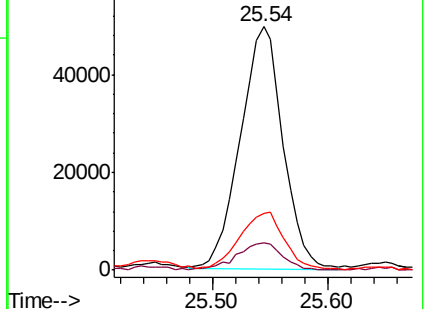
277 23.5 20.2 30.2

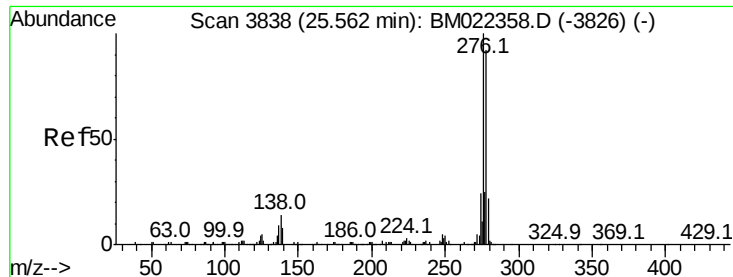


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 2.584 ng/ul

RT: 25.54 min Scan# 3835

Delta R.T. -0.02 min

Lab File: BM022375.D

Acq: 27 Aug 2019 20:13

Instrument :

BNA_M

ClientSampled :

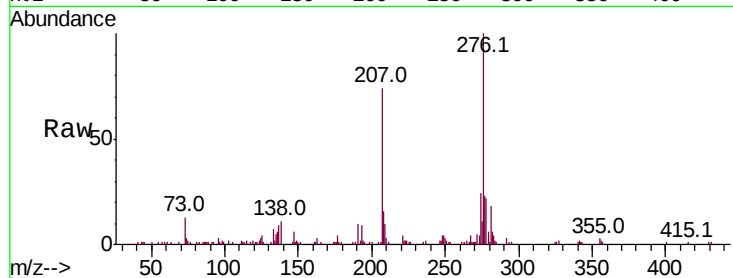
Tot Ion:278 Resp: 31693

Ion Ratio Lower Upper

278 100

139 0.0 7.7 11.5#

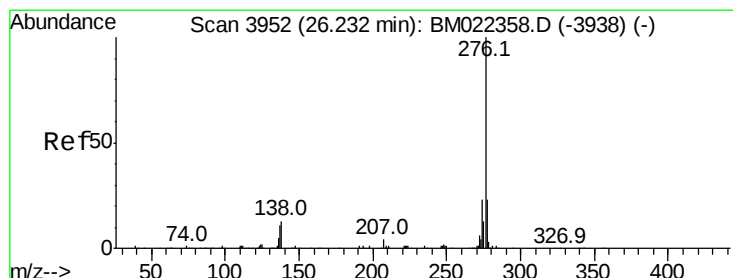
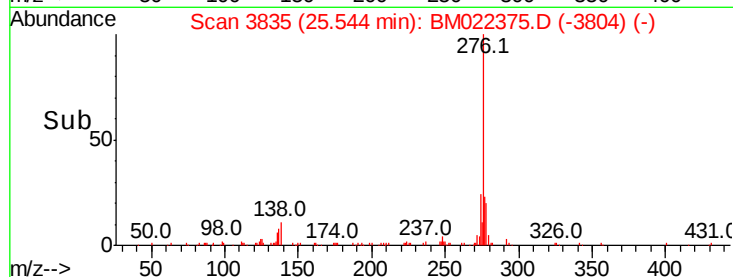
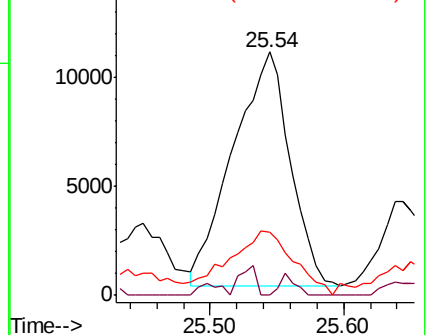
279 26.1 19.0 28.6



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



#93

Benzo(g,h,i)perylene

Concen: 10.532 ng/ul

RT: 26.21 min Scan# 3949

Delta R.T. -0.02 min

Lab File: BM022375.D

Acq: 27 Aug 2019 20:13

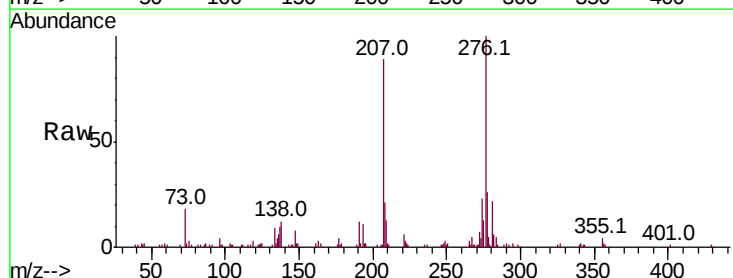
Tgt Ion:276 Resp: 116087

Ion Ratio Lower Upper

276 100

138 12.2 10.2 15.4

277 25.7 18.2 27.4



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

