

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102319\
 Data File : BM023352.D
 Acq On : 23 Oct 2019 21:23
 Operator : JU
 Sample : K5378-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 24 02:58:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 23 18:47:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	775759	20.00	ng/ul	0.00
18) Naphthalene-d8	10.42	136	3391712	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	2104917	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.03	188	3831193	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	2603310	20.00	ng/ul	0.00
86) Perylene-d12	23.43	264	2917577	20.00	ng/ul	0.00

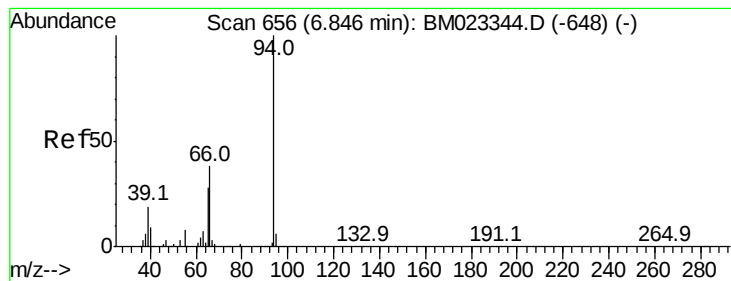
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	69987	4.29	ng/uL	0.00
5) Phenol-d5	6.82	99	1556178	23.89	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.98	67	1053961	27.60	ng/ul	0.00
9) 2-Chlorophenol-d4	7.17	132	1374745	26.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	1081219	20.43	ng/ul	0.00
19) Nitrobenzene-d5	8.79	128	767823	30.07	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	861848	30.42	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	1554067	27.91	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	1119847	17.49	ng/ul	0.00
44) Dimethylphthalate-d6	13.70	166	4824241	30.18	ng/ul	0.00
47) Acenaphthylene-d8	13.97	160	5687864	31.06	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	367718	13.28	ng/ul	0.00
58) Fluorene-d10	15.28	176	4039702	29.84	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.41	200	525738	22.04	ng/ul	0.00
71) Anthracene-d10	17.13	188	5504862	30.40	ng/ul	0.00
79) Pyrene-d10	19.43	212	4919459	34.36	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.30	264	4602877	30.97	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	6.84	94	173817	2.591	ng/ul 98
45) Dimethylphthalate	13.75	163	1869264	11.647	ng/ul 99
48) Acenaphthylene	14.00	152	1247398	6.572	ng/ul 99
54) Dibenzofuran	14.69	168	324871	1.699	ng/ul 100
59) Fluorene	15.34	166	231370	1.484	ng/ul 97
70) Phenanthrene	17.17	178	4196557	19.601	ng/ul 100
72) Anthracene	17.17	178	4199119	19.357	ng/ul 99
75) Carbazole	17.43	167	2843458	15.549	ng/ul 99
77) Fluoranthene	19.25	202	838114	3.753	ng/ul 99
83) Benzo(a)anthracene	21.21	228	15114343	86.810	ng/ul# 90
85) Chrysene	21.27	228	14299477	89.011	ng/ul# 77
88) Benzo(b)fluoranthene	22.79	252	20377289	108.746	ng/ul 96
89) Benzo(k)fluoranthene	22.82	252	7437936	42.272	ng/ul 97
91) Benzo(a)pyrene	23.34	252	14454581	85.206	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	25.65	276	11132083	60.605	ng/ul 97
93) Dibenzo(a,h)anthracene	25.65	278	2858548	18.456	ng/ul# 85
94) Benzo(g,h,i)perylene	26.33	276	10150495	67.921	ng/ul 99

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



#6

Phenol

Concen: 2.591 ng/ul

RT: 6.84 min Scan# 655

Delta R.T. -0.01 min

Lab File: BM023352.D

Acq: 23 Oct 2019 21:23

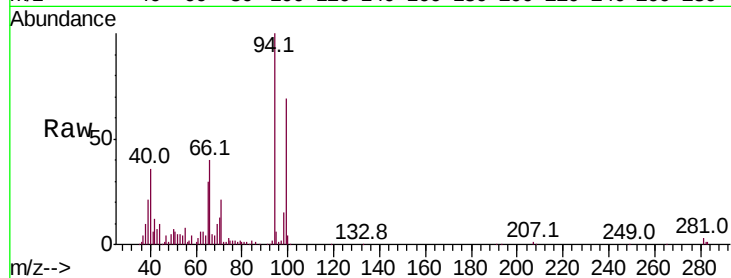
Instrument :

BNA_M

ClientSampled :

Tot Ion: 94 Resp: 173817

Ion	Ratio	Lower	Upper
94	100		
65	29.5	22.9	34.3
66	40.2	31.4	47.2

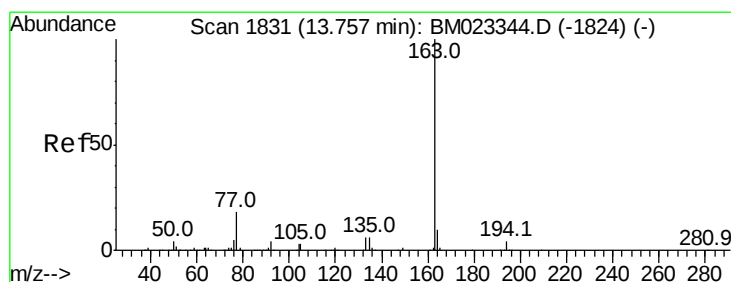
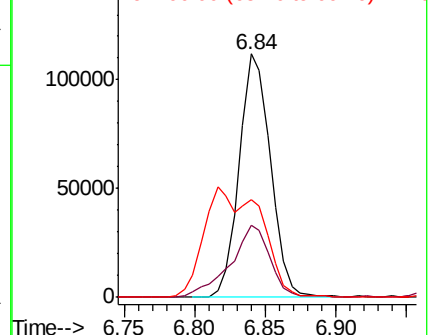
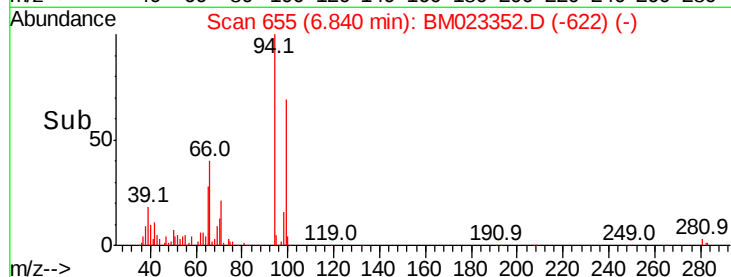


Abundance

Ion 94.00 (93.70 to 94.70): BM023344.D (-648) (-)

Ion 65.00 (64.70 to 65.70): BM023344.D (-648) (-)

Ion 66.00 (65.70 to 66.70): BM023344.D (-648) (-)



#45

Dimethylphthalate

Concen: 11.647 ng/ul

RT: 13.75 min Scan# 1830

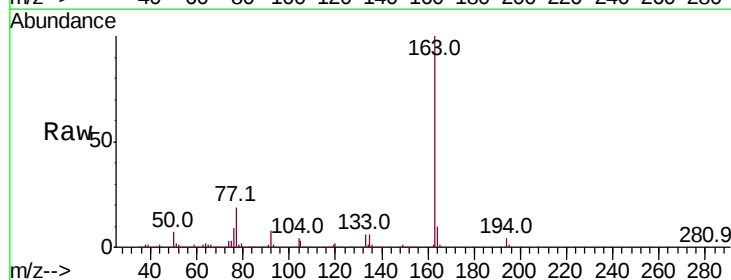
Delta R.T. -0.01 min

Lab File: BM023352.D

Acq: 23 Oct 2019 21:23

Tgt Ion:163 Resp: 1869264

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.3	4.9
164	10.2	7.9	11.9

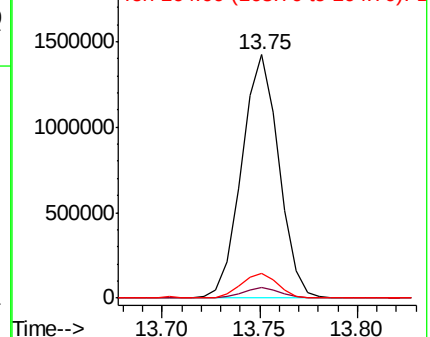
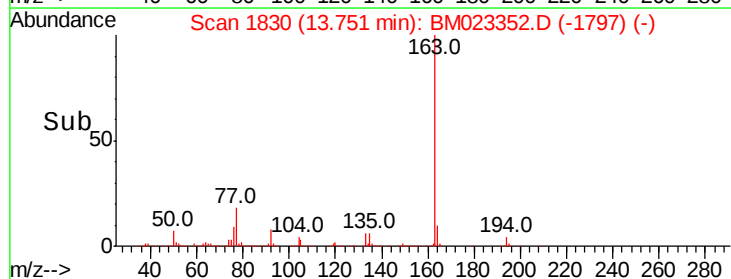


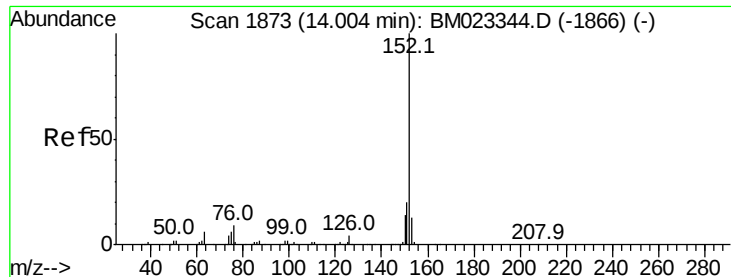
Abundance

Ion 163.00 (162.70 to 163.70): BM023344.D (-1824) (-)

Ion 194.00 (193.70 to 194.70): BM023344.D (-1824) (-)

Ion 164.00 (163.70 to 164.70): BM023344.D (-1824) (-)





#48

Acenaphthylene

Concen: 6.572 ng/ul

RT: 14.00 min Scan# 1873

Delta R.T. -0.00 min

Lab File: BM023352.D

Acq: 23 Oct 2019 21:23

Instrument :

BNA_M

ClientSampleId :

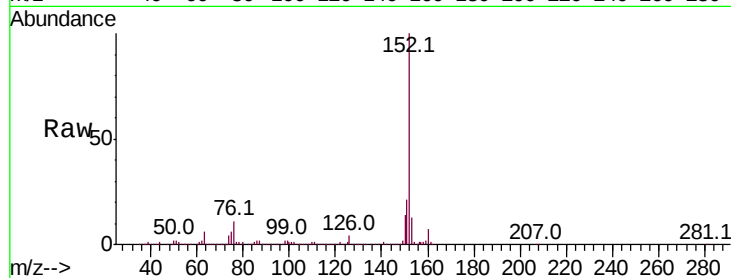
Tot Ion:152 Resp: 1247398

Ion Ratio Lower Upper

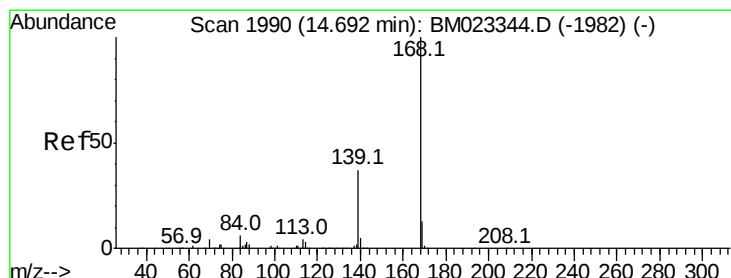
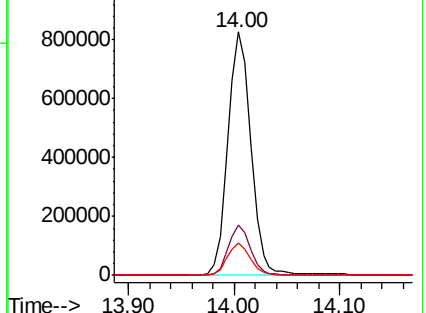
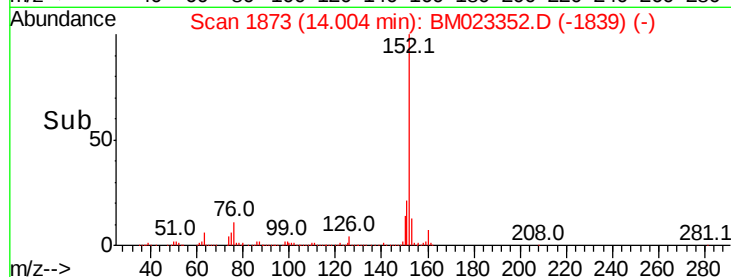
152 100

151 20.8 16.2 24.2

153 13.5 10.4 15.6



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



#54

Dibenzofuran

Concen: 1.699 ng/ul

RT: 14.69 min Scan# 1989

Delta R.T. -0.01 min

Lab File: BM023352.D

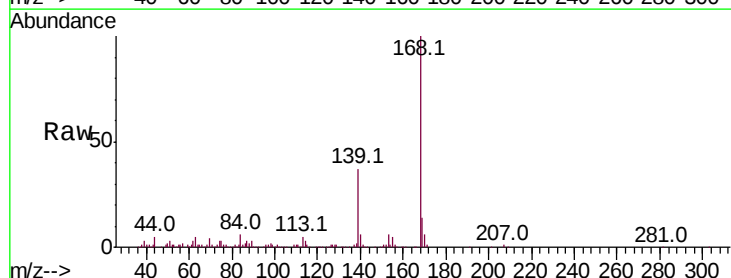
Acq: 23 Oct 2019 21:23

Tgt Ion:168 Resp: 324871

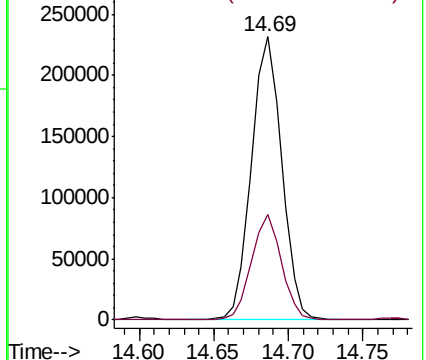
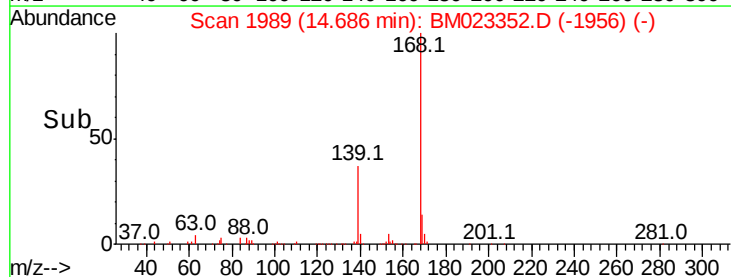
Ion Ratio Lower Upper

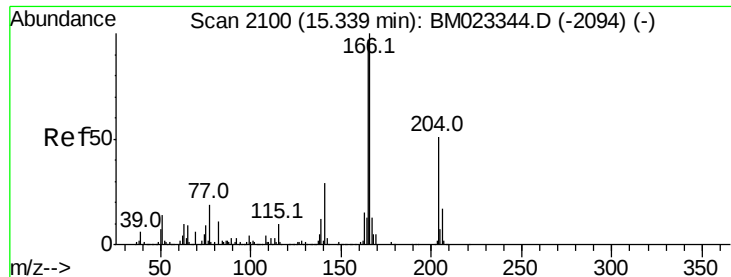
168 100

139 37.3 29.7 44.5



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

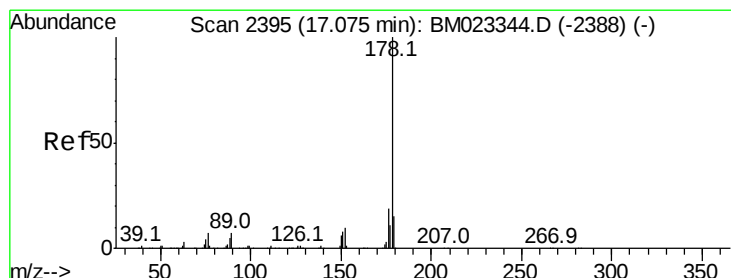
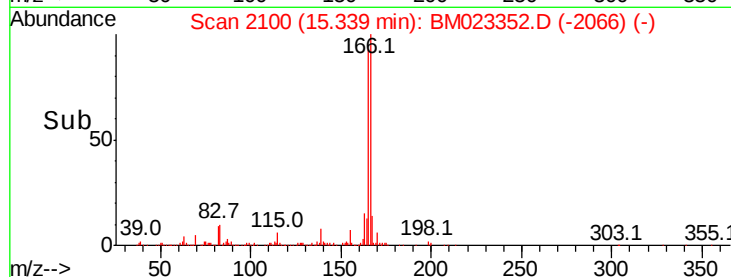
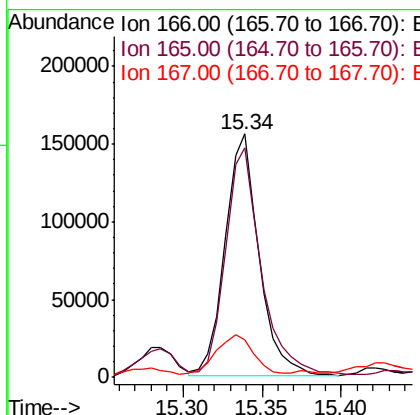
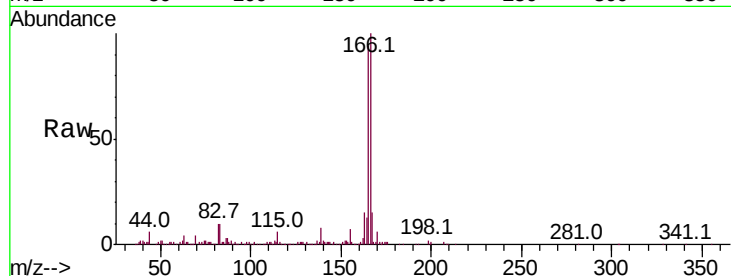




#59
 Fluorene
 Concen: 1.484 ng/ul
 RT: 15.34 min Scan# 2100
 Delta R.T. -0.00 min
 Lab File: BM023352.D
 Acq: 23 Oct 2019 21:23

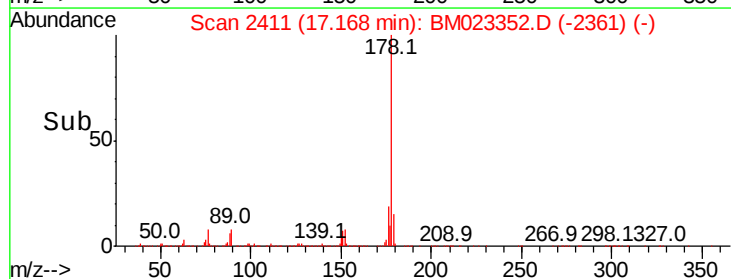
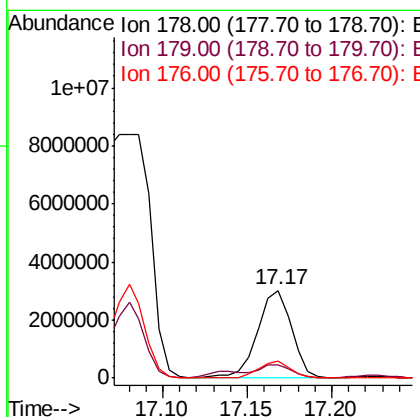
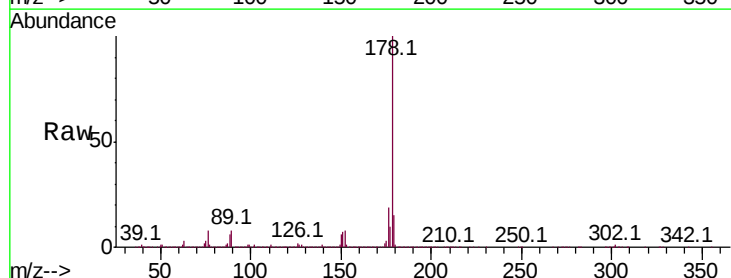
Instrument :
 BNA_M
 ClientSampleId :

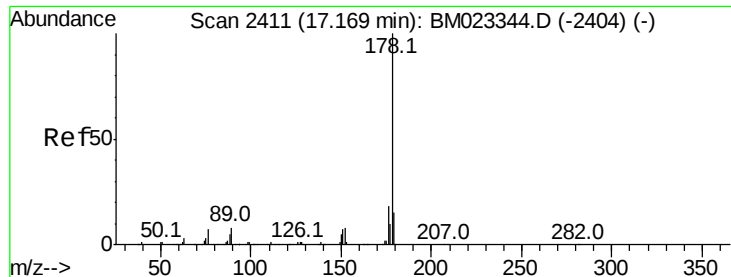
Tot Ion:166 Resp: 231370
 Ion Ratio Lower Upper
 166 100
 165 94.2 77.8 116.6
 167 15.3 10.8 16.2



#70
 Phenanthrene
 Concen: 19.601 ng/ul
 RT: 17.17 min Scan# 2411
 Delta R.T. 0.09 min
 Lab File: BM023352.D
 Acq: 23 Oct 2019 21:23

Tgt Ion:178 Resp: 4196557
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.2 18.2
 176 18.7 14.9 22.3





#72

Anthracene

Concen: 19.357 ng/ul

RT: 17.17 min Scan# 2411

Delta R.T. -0.00 min

Lab File: BM023352.D

Acq: 23 Oct 2019 21:23

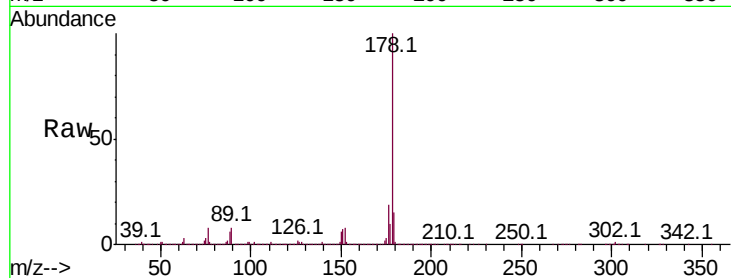
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 4199119

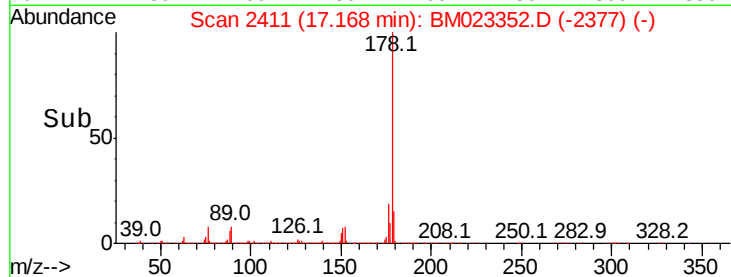
Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.1	18.1
176	18.7	14.4	21.6



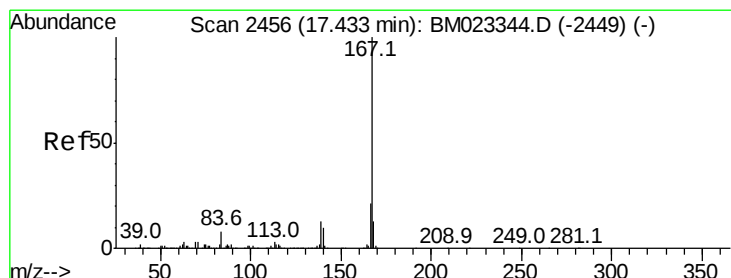
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#75

Carbazole

Concen: 15.549 ng/ul

RT: 17.43 min Scan# 2456

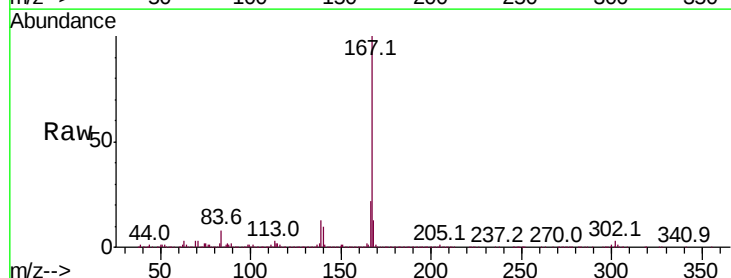
Delta R.T. -0.00 min

Lab File: BM023352.D

Acq: 23 Oct 2019 21:23

Tgt Ion:167 Resp: 2843458

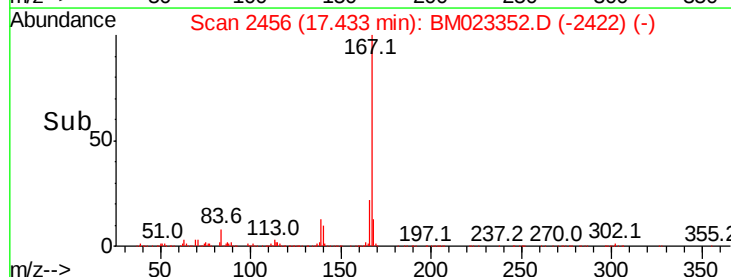
Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.1	25.7
139	12.7	10.0	15.0



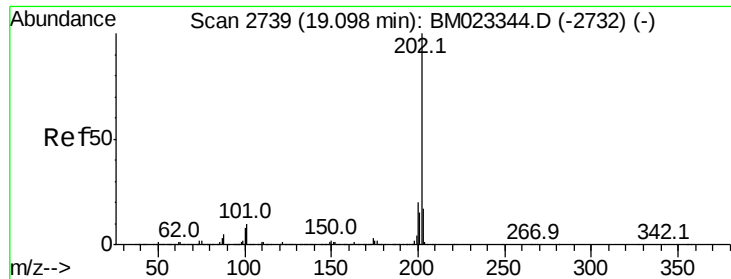
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



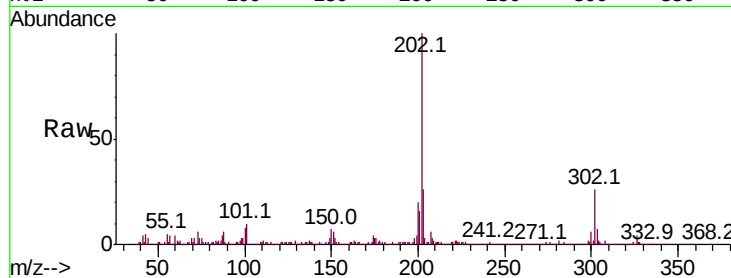
Time-->



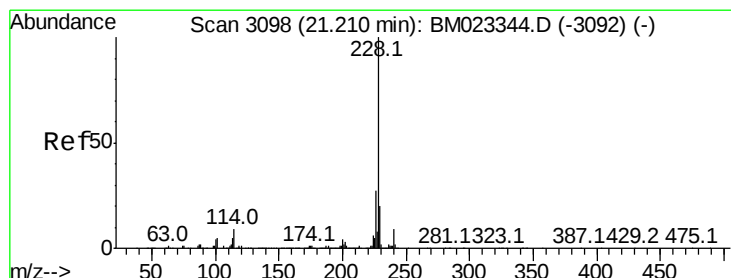
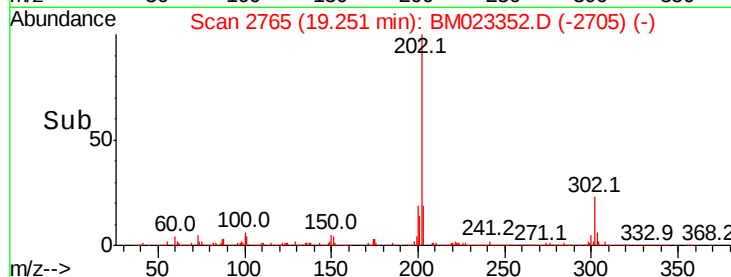
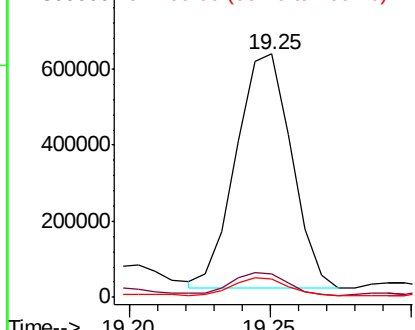
#77
 Fluoranthene
 Concen: 3.753 ng/ul
 RT: 19.25 min Scan# 2765
 Delta R.T. 0.15 min
 Lab File: BM023352.D
 Acq: 23 Oct 2019 21:23

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:	202	Resp:	838114
Ion	Ratio	Lower	Upper
202	100		
101	9.7	8.1	12.1
100	7.5	6.2	9.2

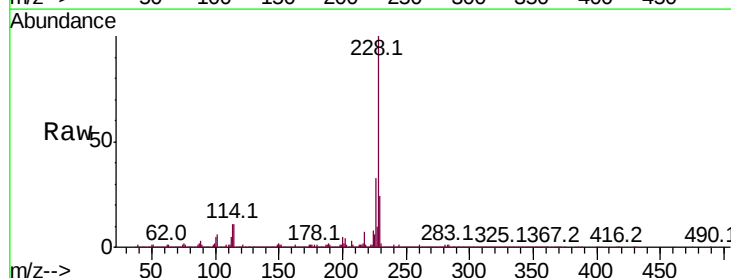


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

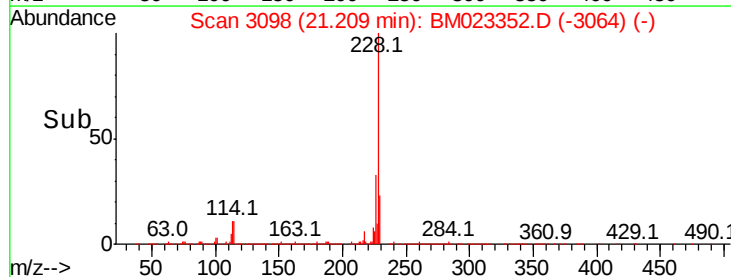
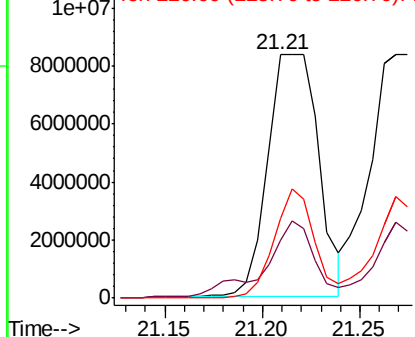


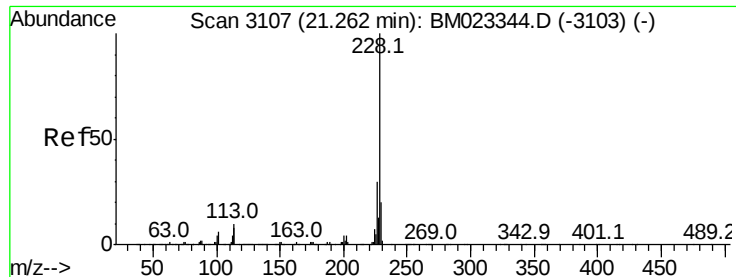
#83
 Benzo(a)anthracene
 Concen: 86.810 ng/ul
 RT: 21.21 min Scan# 3098
 Delta R.T. -0.00 min
 Lab File: BM023352.D
 Acq: 23 Oct 2019 21:23

Tgt Ion:	228	Resp:	15114343
Ion	Ratio	Lower	Upper
228	100		
229	24.0	15.8	23.8#
226	32.9	21.6	32.4#



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: 89.011 ng/ul

RT: 21.27 min Scan# 3108

Delta R.T. 0.01 min

Lab File: BM023352.D

Acq: 23 Oct 2019 21:23

Instrument :

BNA_M

ClientSampled :

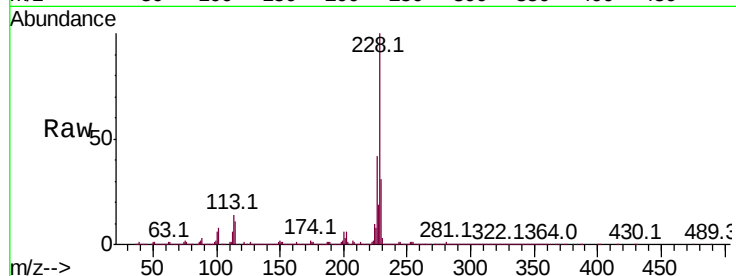
Tot Ion:228 Resp:14299477

Ion Ratio Lower Upper

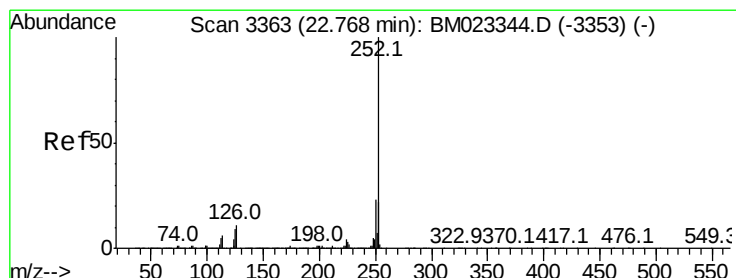
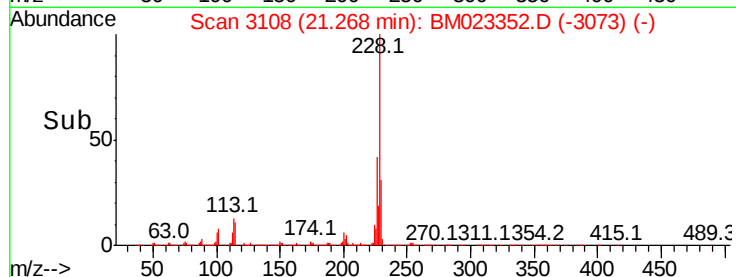
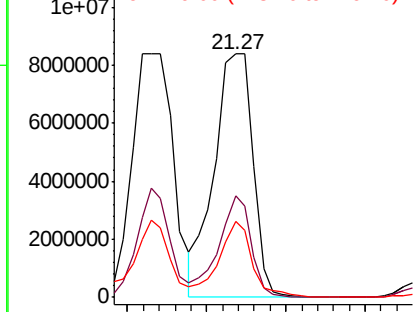
228 100

226 41.8 24.0 36.0#

229 31.2 16.0 24.0#



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: 108.746 ng/ul

RT: 22.79 min Scan# 3366

Delta R.T. 0.02 min

Lab File: BM023352.D

Acq: 23 Oct 2019 21:23

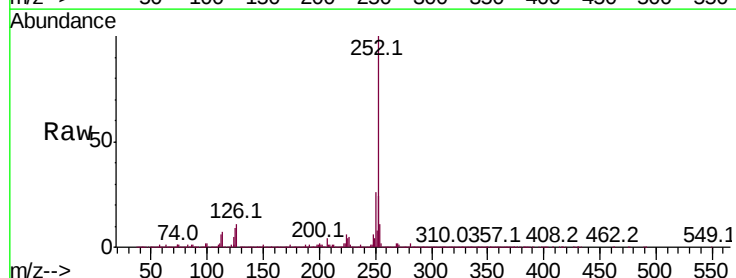
Tgt Ion:252 Resp:20377289

Ion Ratio Lower Upper

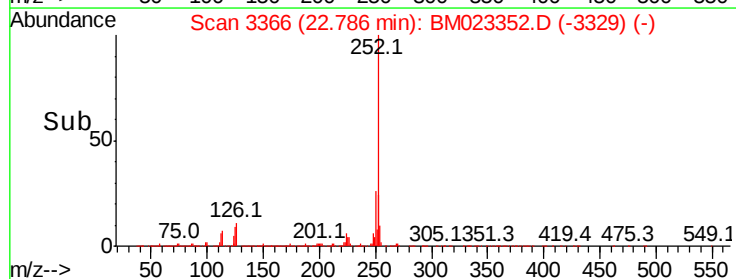
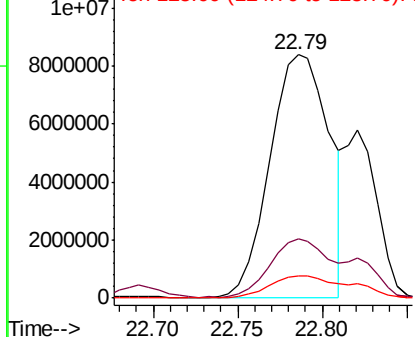
252 100

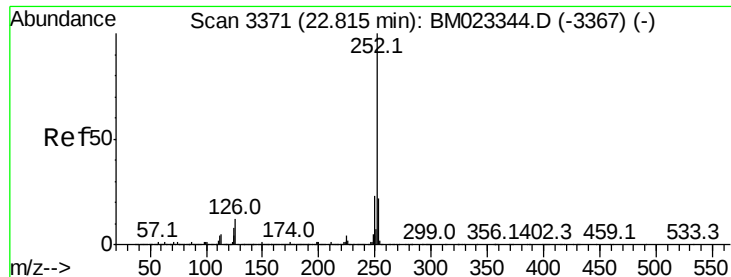
253 24.4 17.5 26.3

125 9.1 7.1 10.7



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: 42.272 ng/ul

RT: 22.82 min Scan# 3372

Delta R.T. 0.01 min

Lab File: BM023352.D

Acq: 23 Oct 2019 21:23

Instrument :

BNA_M

ClientSampled :

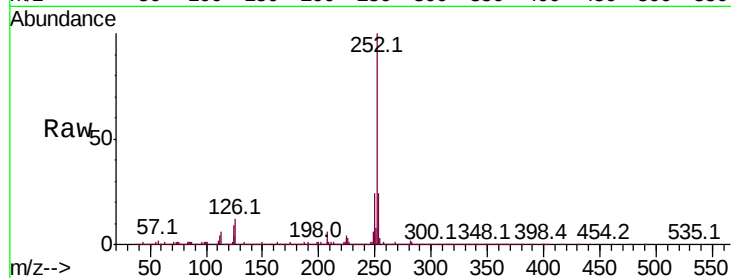
Tot Ion:252 Resp: 7437936

Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.6

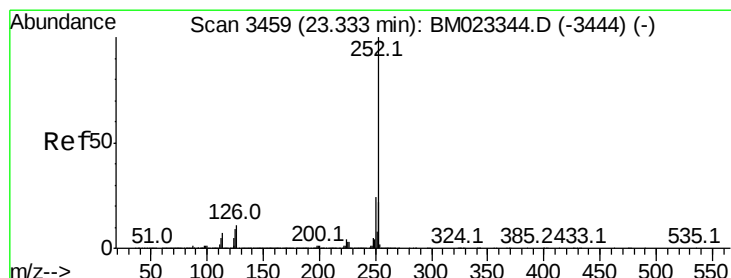
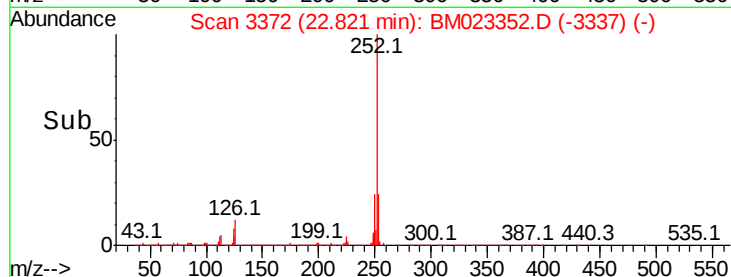
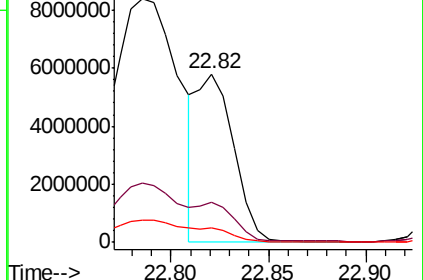
125 8.6 6.8 10.2



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: 85.206 ng/ul

RT: 23.34 min Scan# 3461

Delta R.T. 0.01 min

Lab File: BM023352.D

Acq: 23 Oct 2019 21:23

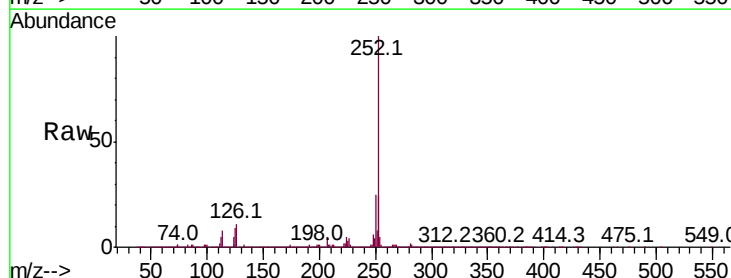
Tgt Ion:252 Resp:14454581

Ion Ratio Lower Upper

252 100

253 23.7 17.7 26.5

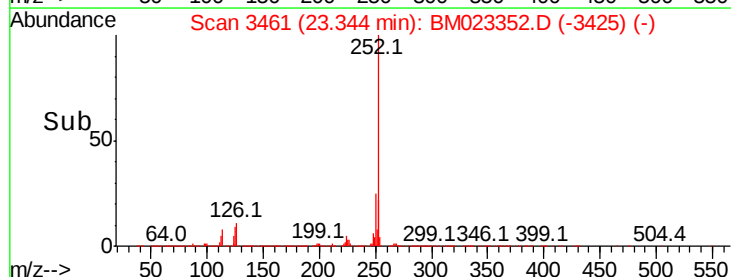
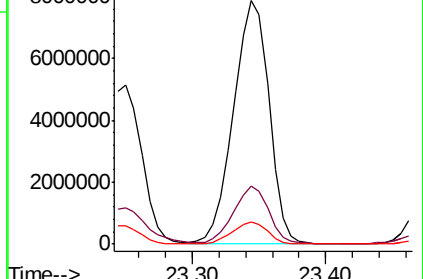
125 9.0 7.5 11.3

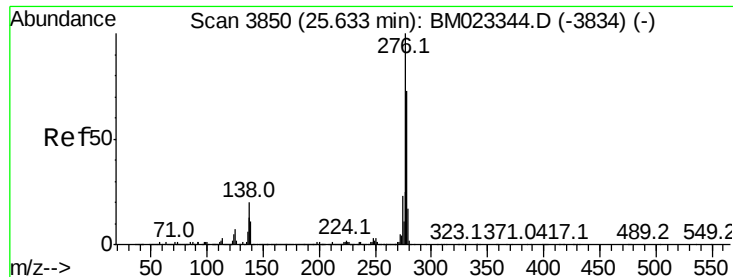


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



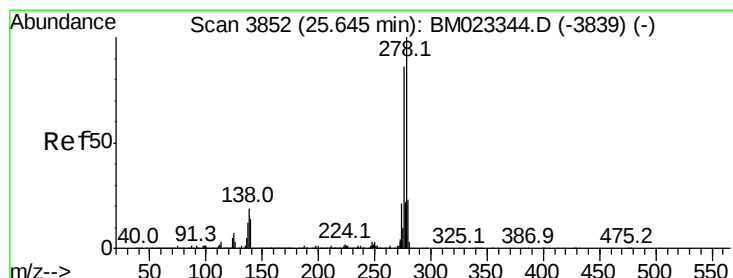
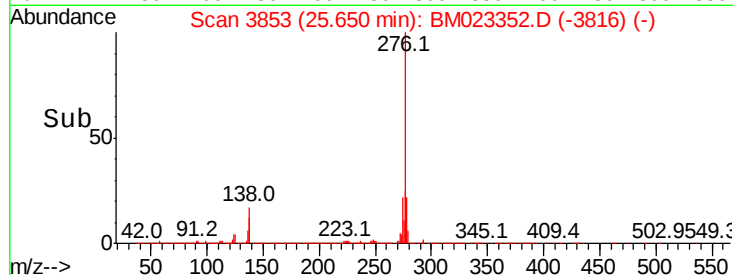
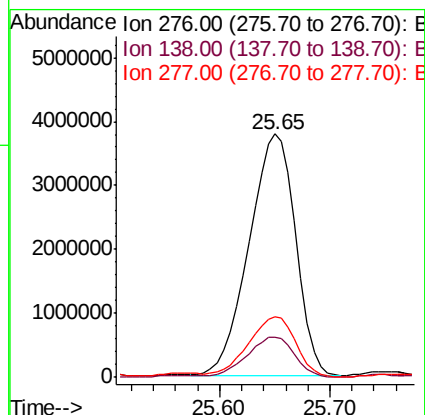
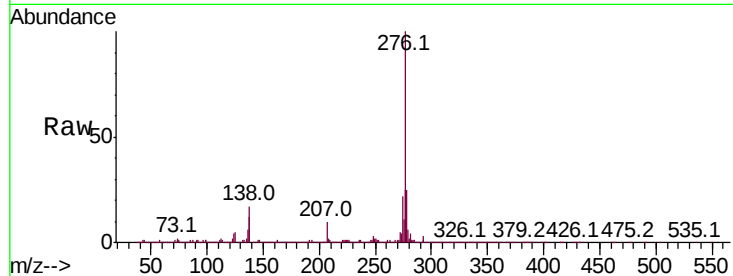


#92

Indeno(1,2,3-cd)pyrene
Concen: 60.605 ng/ul
RT: 25.65 min Scan# 3853
Delta R.T. 0.02 min
Lab File: BM023352.D
Acq: 23 Oct 2019 21:23

Instrument :
BNA_M
ClientSampleId :

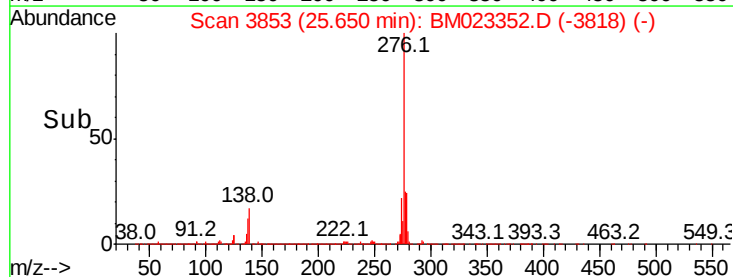
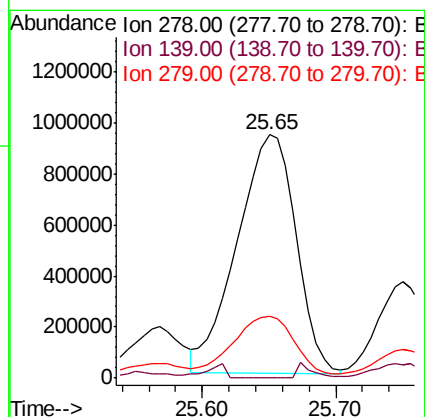
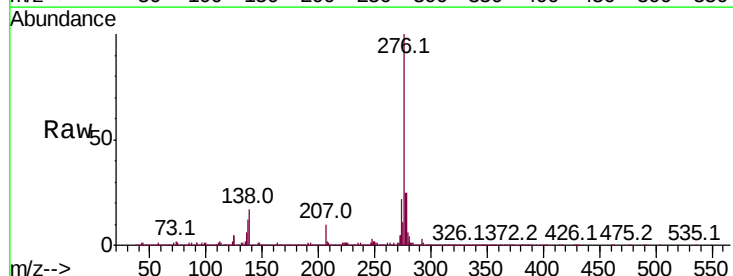
Tot Ion:276 Resp:11132083
Ion Ratio Lower Upper
276 100
138 16.6 15.7 23.5
277 24.8 20.2 30.2

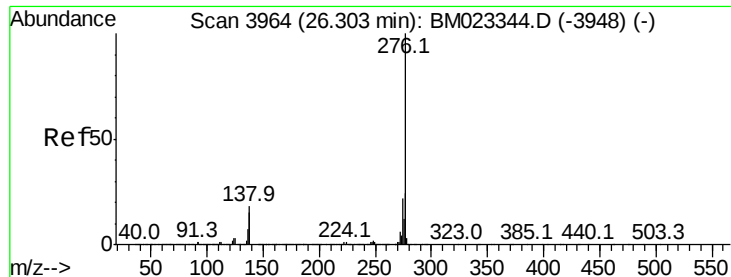


#93

Dibenzo(a,h)anthracene
Concen: 18.456 ng/ul
RT: 25.65 min Scan# 3853
Delta R.T. 0.01 min
Lab File: BM023352.D
Acq: 23 Oct 2019 21:23

Tgt Ion:278 Resp: 2858548
Ion Ratio Lower Upper
278 100
139 0.0 10.9 16.3#
279 25.3 18.7 28.1





#94

Benzo(a,h,i)perylene

Concen: 67.921 ng/ul

RT: 26.33 min Scan# 3968

Delta R.T. 0.02 min

Lab File: BM023352.D

Acq: 23 Oct 2019 21:23

Instrument :

BNA_M

ClientSampleId :

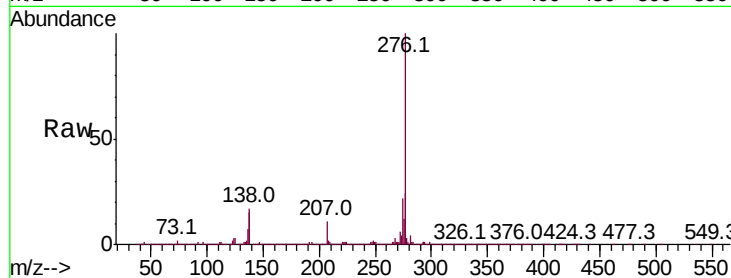
Tot Ion:276 Resp:10150495

Ion Ratio Lower Upper

276 100

138 17.2 14.4 21.6

277 24.2 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

