

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102319\
 Data File : BM023351.D
 Acq On : 23 Oct 2019 20:47
 Operator : JU
 Sample : K5346-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 24 02:58:21 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	616059	20.00	ng/ul	0.00
18) Naphthalene-d8	10.42	136	2731996	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	1714219	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.03	188	3093165	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	2068371	20.00	ng/ul	0.00
86) Perylene-d12	23.43	264	2427713	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.16	96	54203	4.18	ng/uL	0.00
5) Phenol-d5	6.82	99	1177203	22.75	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.98	67	750312	24.74	ng/ul	0.00
9) 2-Chlorophenol-d4	7.17	132	1003228	24.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	939570	22.36	ng/ul	0.00
19) Nitrobenzene-d5	8.79	128	544049	26.45	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	606637	26.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	1135628	25.32	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	1029348	19.96	ng/ul	0.00
44) Dimethylphthalate-d6	13.70	166	3800366	29.19	ng/ul	0.00
47) Acenaphthylene-d8	13.97	160	4164667	27.93	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	286390	12.70	ng/ul	0.00
58) Fluorene-d10	15.28	176	3166238	28.72	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	408185	21.20	ng/ul	0.00
71) Anthracene-d10	17.13	188	4597409	31.45	ng/ul	0.00
79) Pyrene-d10	19.43	212	4088093	35.94	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.30	264	3814753	30.85	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	6.85	94	175726	3.298	ng/ul 99
28) Naphthalene	10.47	128	728164	5.200	ng/ul 98
34) 2-Methylnaphthalene	12.09	142	142549	1.333	ng/ul 99
45) Dimethylphthalate	13.75	163	1074026	8.217	ng/ul 99
48) Acenaphthylene	14.00	152	1318231	8.528	ng/ul 100
50) Acenaphthene	14.35	153	123315	1.134	ng/ul 99
54) Dibenzofuran	14.69	168	220917	1.419	ng/ul 98
59) Fluorene	15.34	166	312030	2.457	ng/ul 99
70) Phenanthrene	17.07	178	1891495	10.942	ng/ul 100
72) Anthracene	17.17	178	4445480	25.382	ng/ul 99
75) Carbazole	17.43	167	421661	2.856	ng/ul 99
77) Fluoranthene	19.10	202	5557226	30.821	ng/ul 99
80) Pyrene	19.46	202	7987468	54.687	ng/ul 97
83) Benzo(a)anthracene	21.22	228	7968959	57.608	ng/ul 93
85) Chrysene	21.22	228	7968959	62.434	ng/ul 97
88) Benzo(b)fluoranthene	22.94	252	2397970	15.379	ng/ul 93
89) Benzo(k)fluoranthene	22.94	252	3001584	20.501	ng/ul 93
91) Benzo(a)pyrene	23.35	252	14682399	104.013	ng/ul 98
92) Indeno(1,2,3-cd)pyrene	25.65	276	11559388	75.629	ng/ul 97
93) Dibenzo(a,h)anthracene	25.65	278	3106370	24.103	ng/ul# 86
94) Benzo(a,h,i)perylene	26.33	276	8525735	68.561	ng/ul 98

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QLast Update : Wed Oct 23 18:47:16 2019
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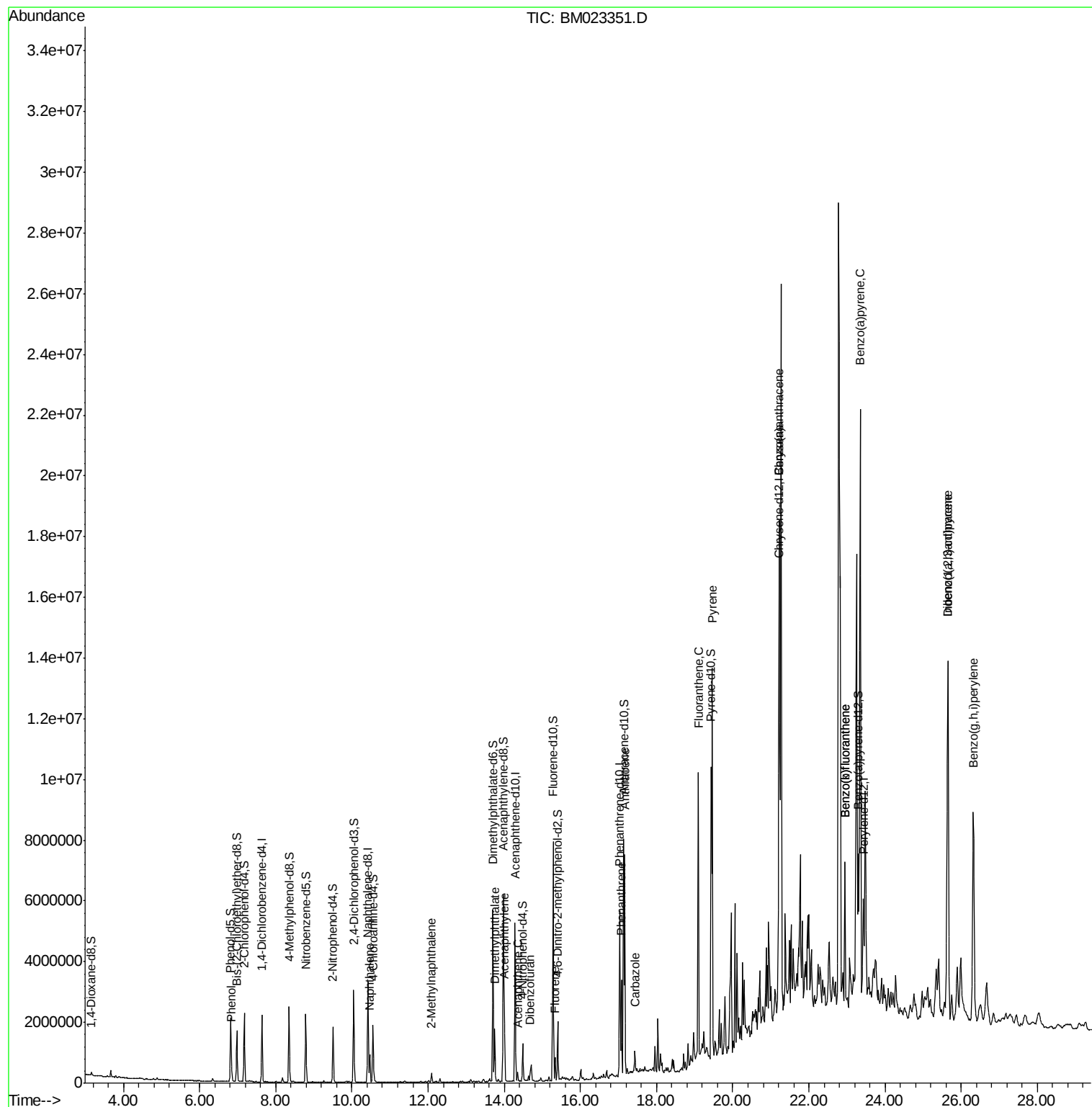
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

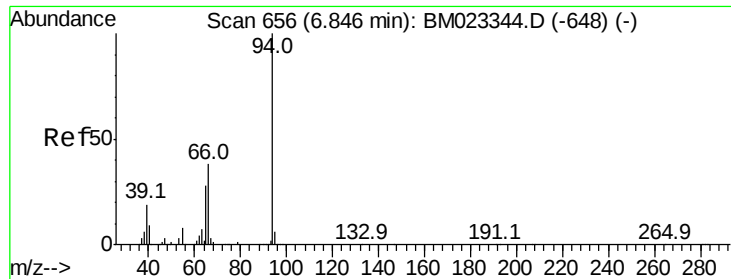
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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Response via : Initial Calibration





#6

Phenol

Concen: 3.298 ng/ul

RT: 6.85 min Scan# 656

Delta R.T. -0.00 min

Lab File: BM023351.D

Acq: 23 Oct 2019 20:47

Instrument :

BNA_M

ClientSampled :

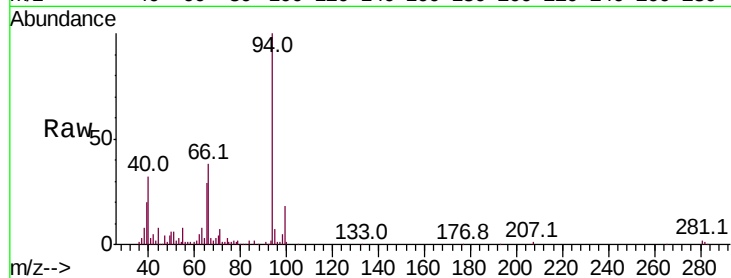
Tot Ion: 94 Resp: 175726

Ion Ratio Lower Upper

94 100

65 28.9 22.9 34.3

66 38.1 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) (-)

6.85

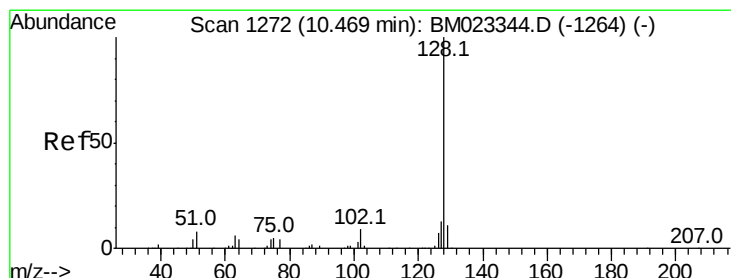
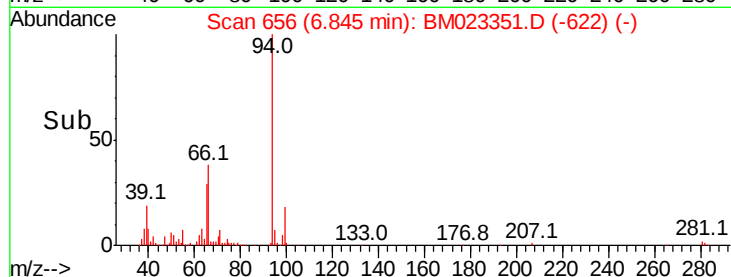
100000

50000

0

6.80 6.85 6.90

Time-->



#28

Naphthalene

Concen: 5.200 ng/ul

RT: 10.47 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BM023351.D

Acq: 23 Oct 2019 20:47

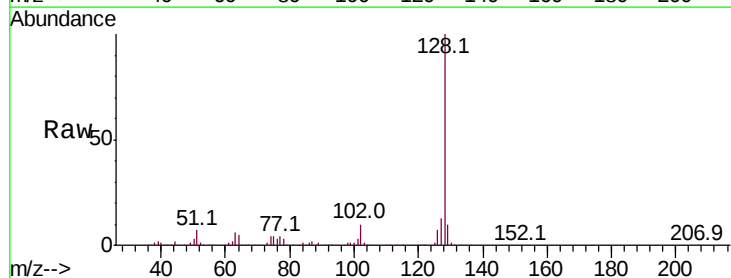
Tgt Ion: 128 Resp: 728164

Ion Ratio Lower Upper

128 100

129 9.9 8.8 13.2

127 12.7 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): BM023344.D (-1264) (-)

Ion 129.00 (128.70 to 129.70): BM023344.D (-1264) (-)

Ion 127.00 (126.70 to 127.70): BM023344.D (-1264) (-)

10.47

600000

500000

400000

300000

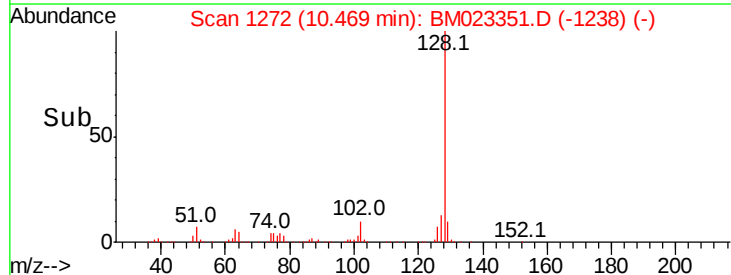
200000

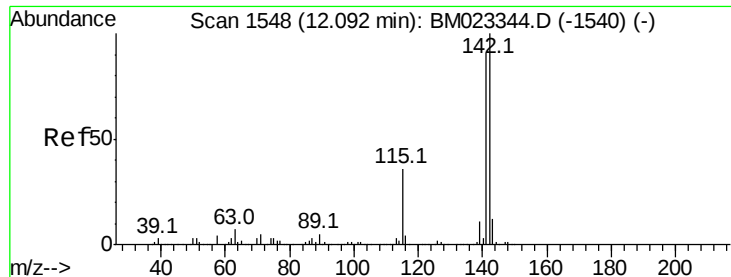
100000

0

10.40 10.45 10.50 10.55

Time-->

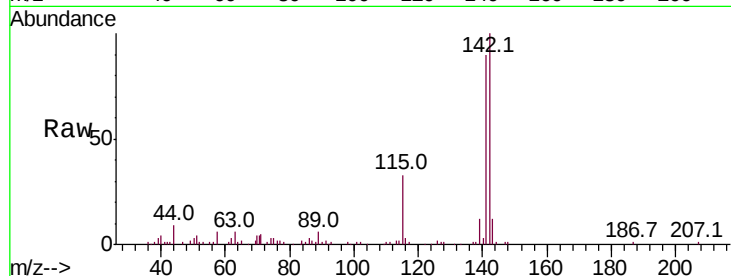




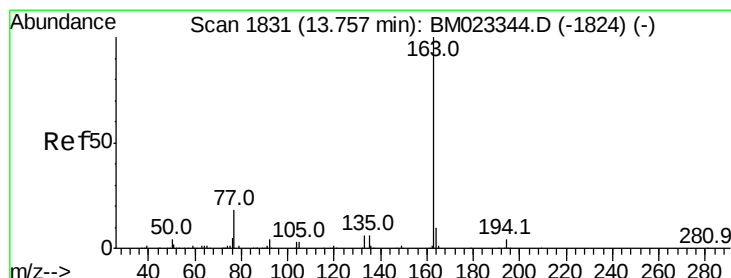
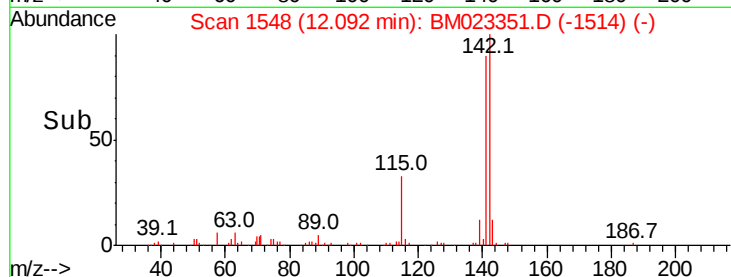
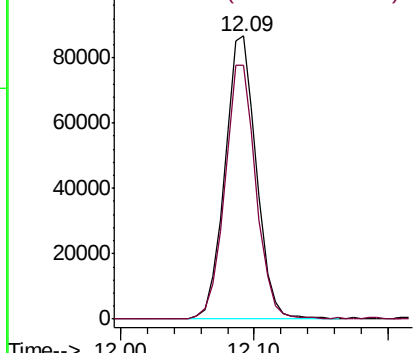
#34
2-Methylnaphthalene
Concen: 1.333 ng/ul
RT: 12.09 min Scan# 1548
Delta R.T. -0.00 min
Lab File: BM023351.D
Acq: 23 Oct 2019 20:47

Instrument :
BNA_M
ClientSampleId :

Tot Ion:142 Resp: 142549
Ion Ratio Lower Upper
142 100
141 89.7 72.4 108.6

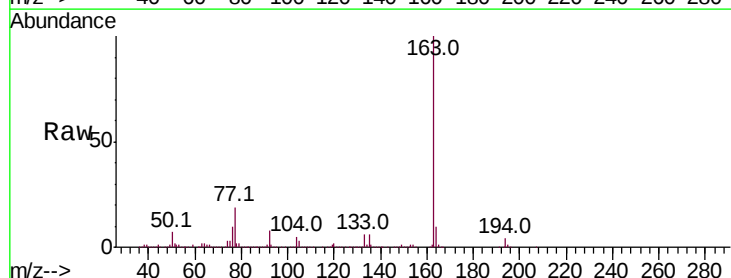


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

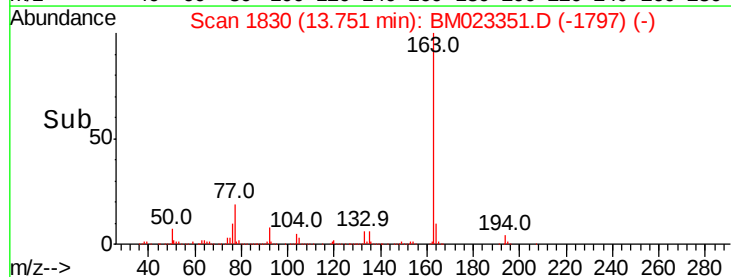
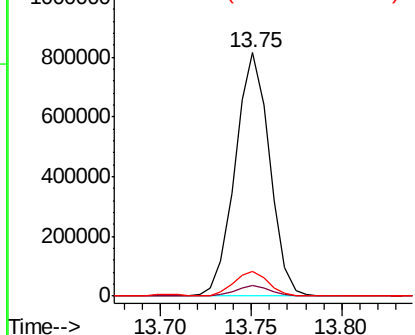


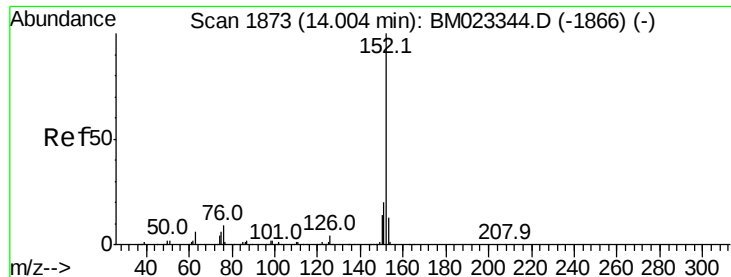
#45
Dimethylphthalate
Concen: 8.217 ng/ul
RT: 13.75 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BM023351.D
Acq: 23 Oct 2019 20:47

Tgt Ion:163 Resp: 1074026
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): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#48

Acenaphthylene

Concen: 8.528 ng/ul

RT: 14.00 min Scan# 1873

Delta R.T. -0.00 min

Lab File: BM023351.D

Acq: 23 Oct 2019 20:47

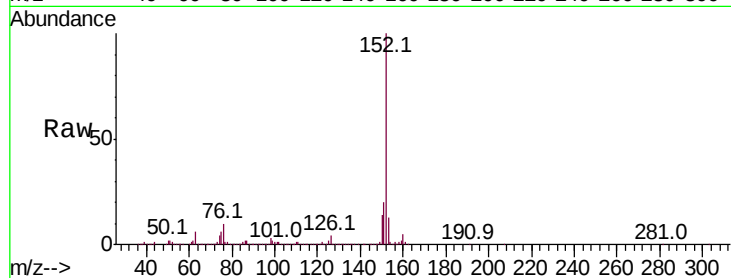
Instrument :

BNA_M

ClientSampleId :

Tot Ion:152 Resp: 1318231

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.2
153	13.0	10.4	15.6

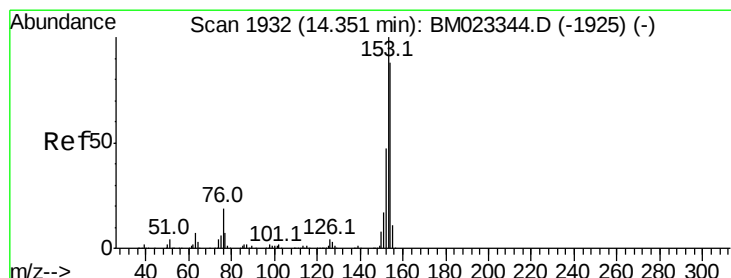
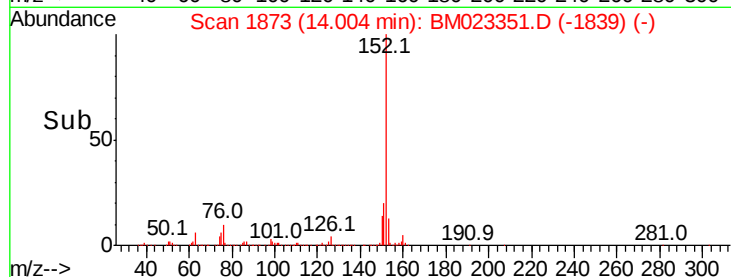
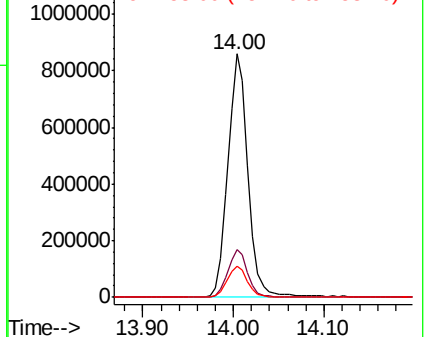


Abundance

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



#50

Acenaphthene

Concen: 1.134 ng/ul

RT: 14.35 min Scan# 1932

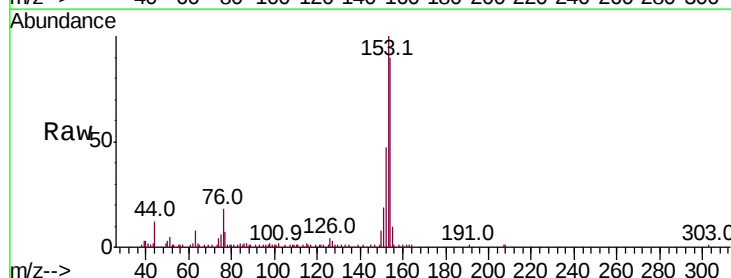
Delta R.T. -0.00 min

Lab File: BM023351.D

Acq: 23 Oct 2019 20:47

Tgt Ion:153 Resp: 123315

Ion	Ratio	Lower	Upper
153	100		
152	46.8	37.9	56.9
154	89.8	70.6	106.0

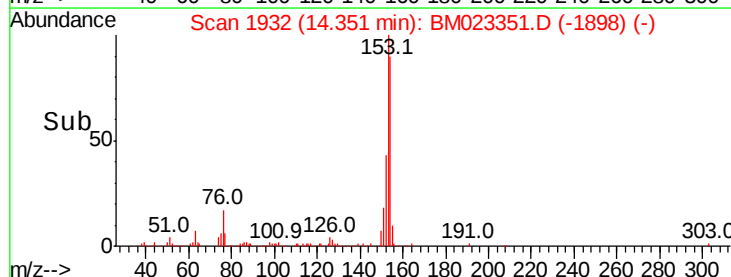
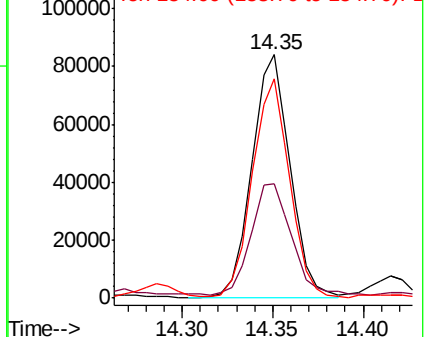


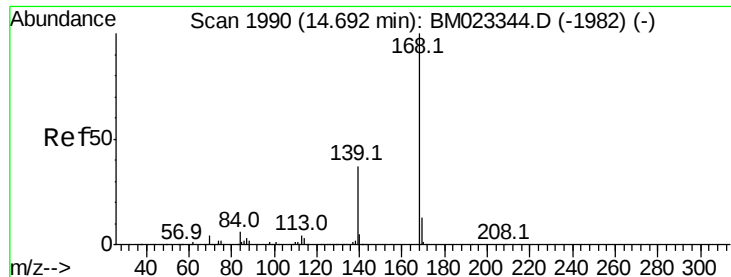
Abundance

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

Dibenzenofuran

Concen: 1.419 ng/ul

RT: 14.69 min Scan# 1989

Delta R.T. -0.01 min

Lab File: BM023351.D

Acq: 23 Oct 2019 20:47

Instrument :

BNA_M

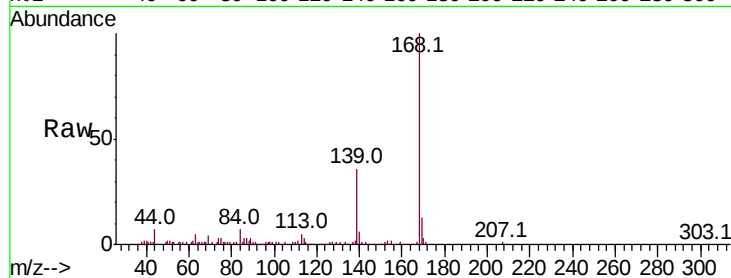
ClientSampleId :

Tot Ion:168 Resp: 220917

Ion Ratio Lower Upper

168 100

139 36.1 29.7 44.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.69

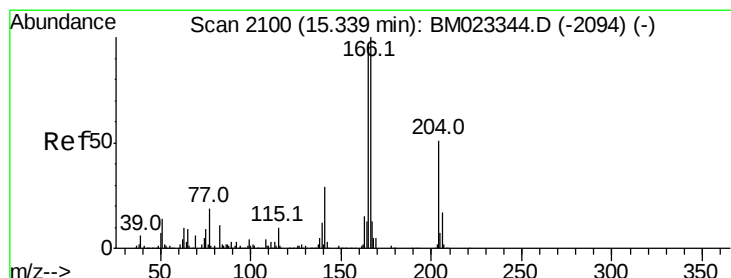
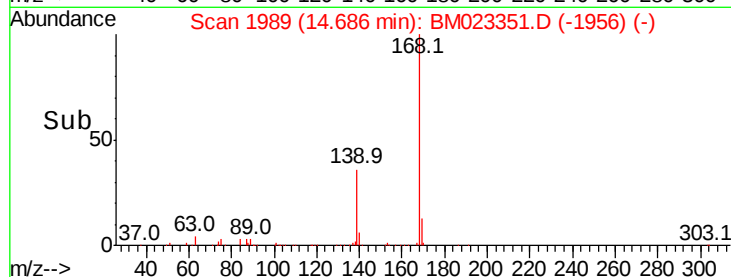
150000

100000

50000

0

Time--> 14.60 14.65 14.70 14.75



#59

Fluorene

Concen: 2.457 ng/ul

RT: 15.34 min Scan# 2100

Delta R.T. -0.00 min

Lab File: BM023351.D

Acq: 23 Oct 2019 20:47

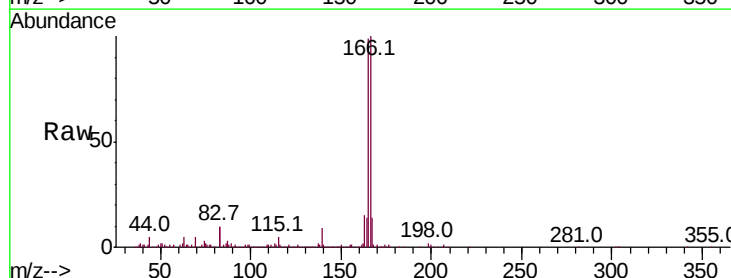
Tgt Ion:166 Resp: 312030

Ion Ratio Lower Upper

166 100

165 98.5 77.8 116.6

167 14.3 10.8 16.2



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

15.34

300000

250000

200000

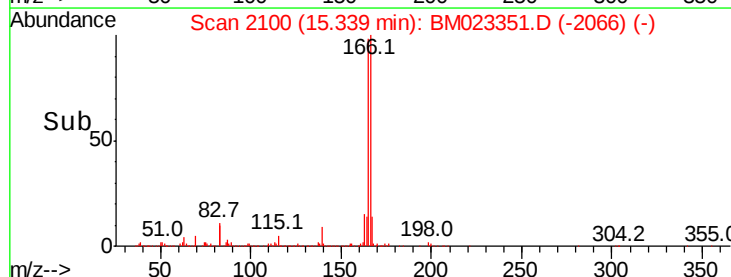
150000

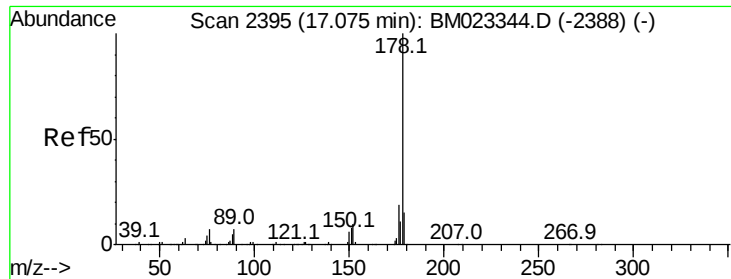
100000

50000

0

Time--> 15.30 15.35 15.40





#70

Phenanthrene

Concen: 10.942 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. -0.00 min

Lab File: BM023351.D

Acq: 23 Oct 2019 20:47

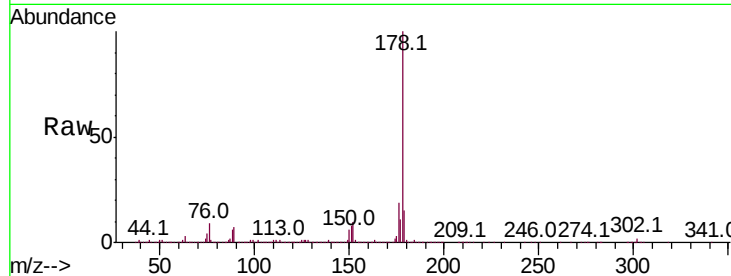
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 1891495

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.2
176	18.7	14.9	22.3

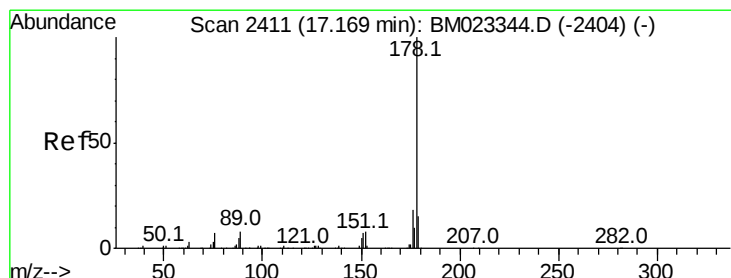
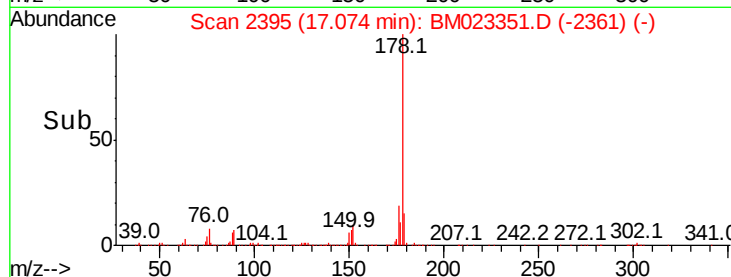
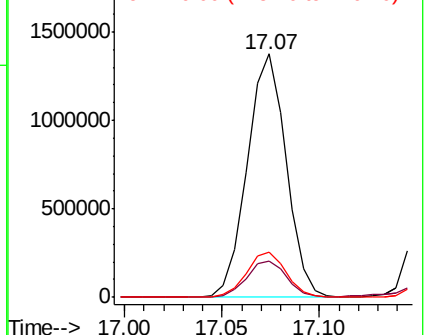


Abundance

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



#72

Anthracene

Concen: 25.382 ng/ul

RT: 17.17 min Scan# 2411

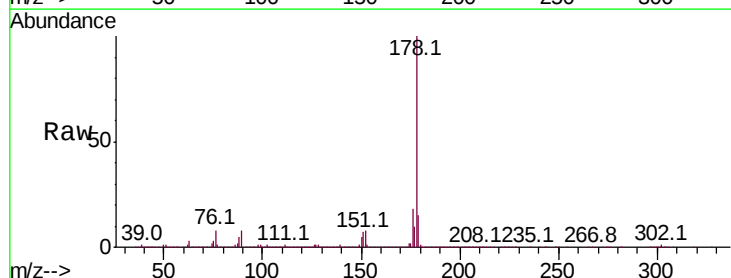
Delta R.T. -0.00 min

Lab File: BM023351.D

Acq: 23 Oct 2019 20:47

Tgt Ion:178 Resp: 4445480

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.1	18.1
176	18.4	14.4	21.6

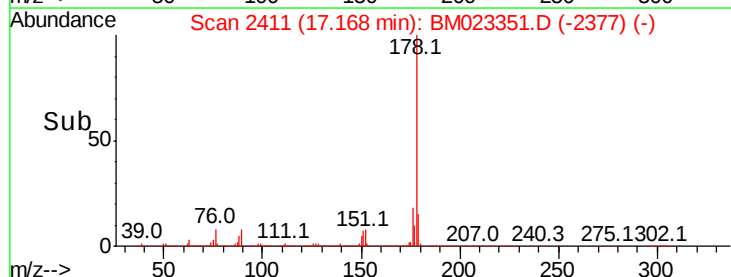
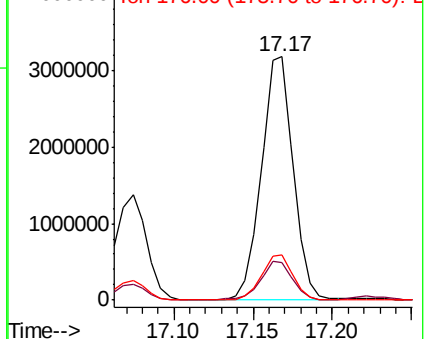


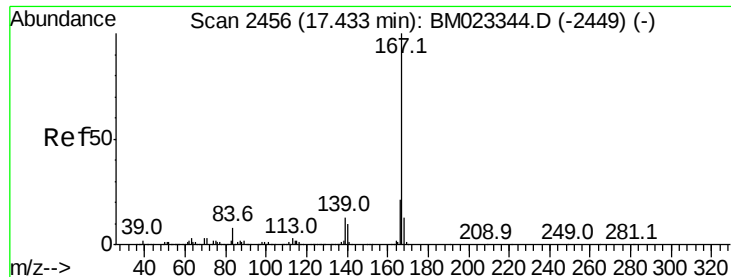
Abundance

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





#75

Carbazole

Concen: 2.856 ng/ul

RT: 17.43 min Scan# 2456

Delta R.T. -0.00 min

Lab File: BM023351.D

Acq: 23 Oct 2019 20:47

Instrument :

BNA_M

ClientSampleId :

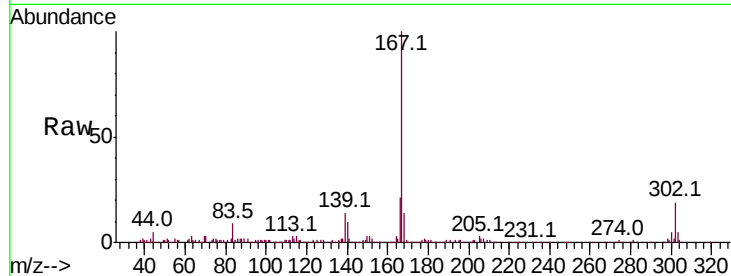
Tot Ion:167 Resp: 421661

Ion Ratio Lower Upper

167 100

166 21.3 17.1 25.7

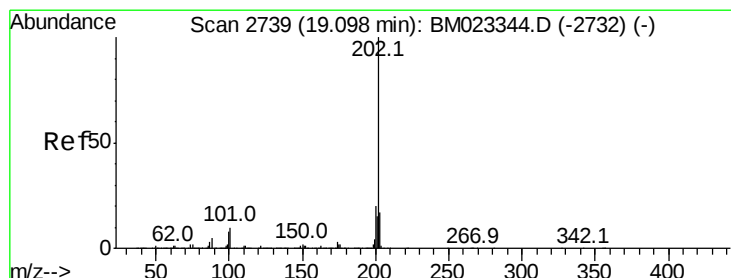
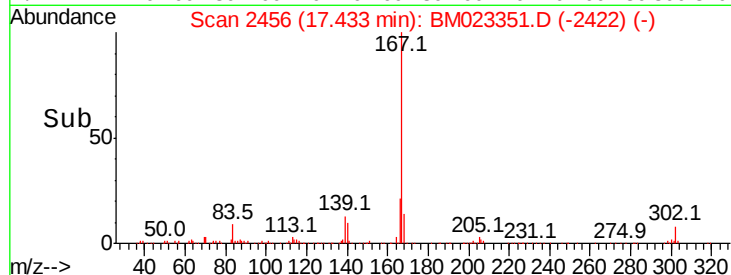
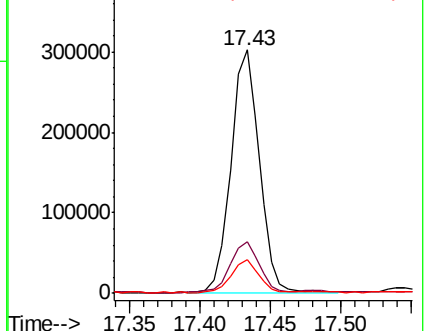
139 13.8 10.0 15.0



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



#77

Fluoranthene

Concen: 30.821 ng/ul

RT: 19.10 min Scan# 2739

Delta R.T. -0.00 min

Lab File: BM023351.D

Acq: 23 Oct 2019 20:47

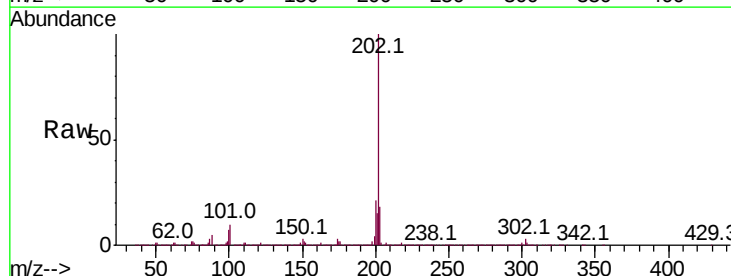
Tgt Ion:202 Resp: 5557226

Ion Ratio Lower Upper

202 100

101 9.6 8.1 12.1

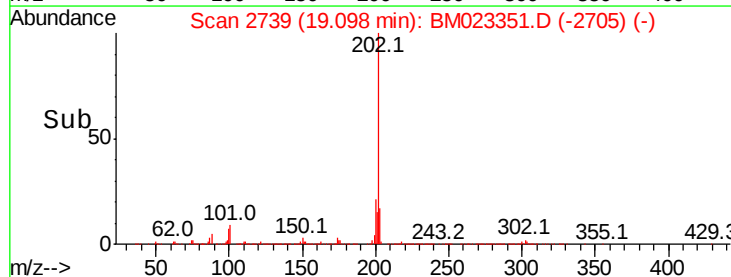
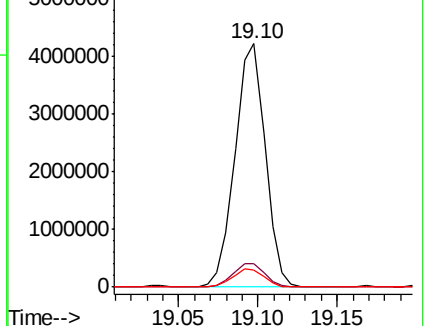
100 7.2 6.2 9.2

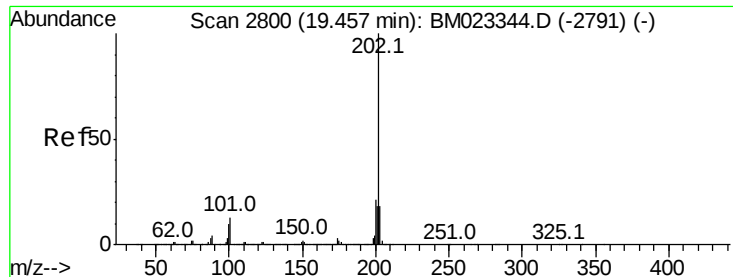


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

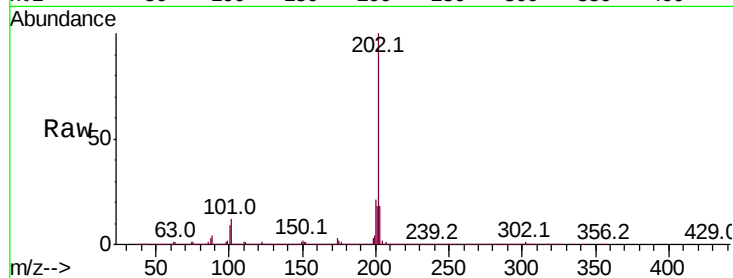




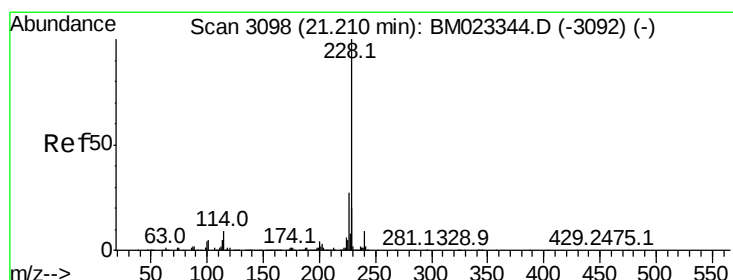
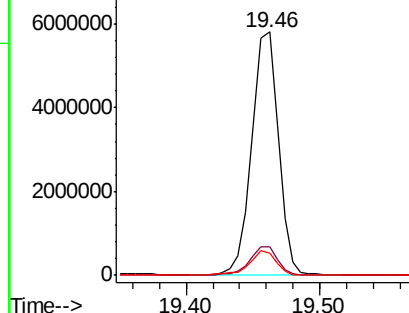
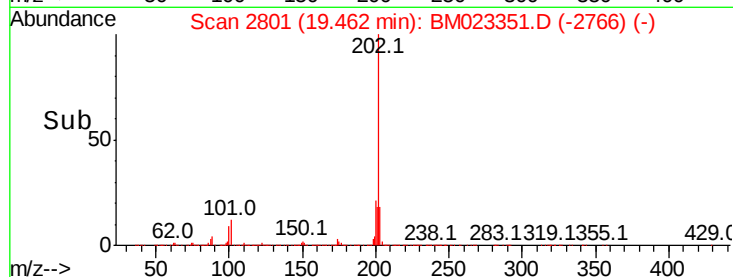
#80
Pvrene
Concen: 54.687 ng/ul
RT: 19.46 min Scan# 2801
Delta R.T. 0.01 min
Lab File: BM023351.D
Acq: 23 Oct 2019 20:47

Instrument :
BNA_M
ClientSampleId :

Tot Ion:202 Resp: 7987468
Ion Ratio Lower Upper
202 100
101 11.5 10.0 15.0
100 9.3 8.3 12.5

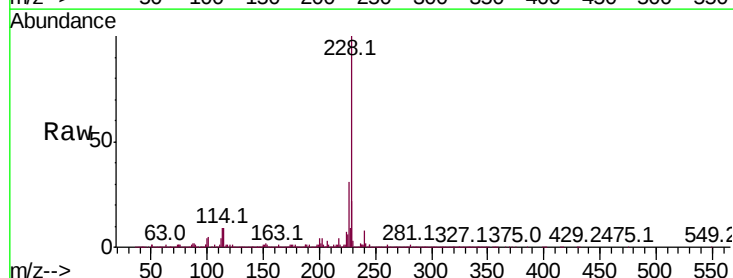


Abundance Ion 202.00 (201.70 to 202.70): E
8000000
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

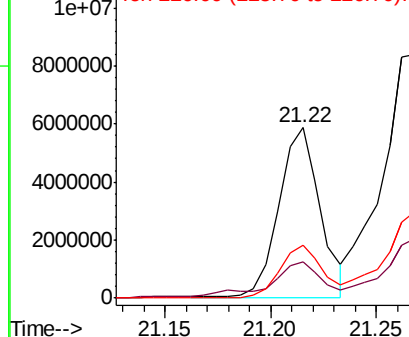
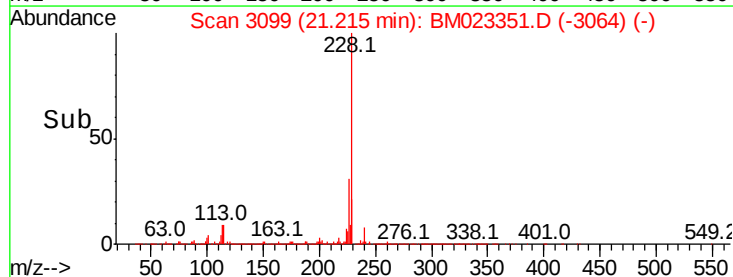


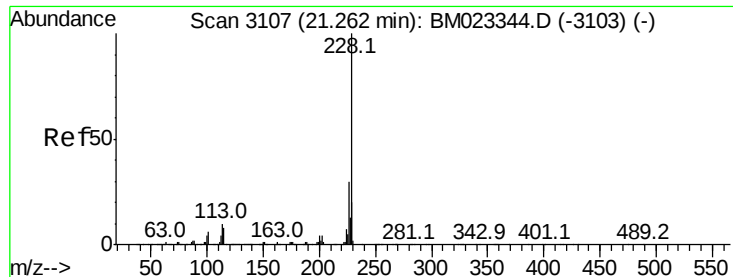
#83
Benzo(a)anthracene
Concen: 57.608 ng/ul
RT: 21.22 min Scan# 3099
Delta R.T. 0.01 min
Lab File: BM023351.D
Acq: 23 Oct 2019 20:47

Tgt Ion:228 Resp: 7968959
Ion Ratio Lower Upper
228 100
229 21.6 15.8 23.8
226 31.4 21.6 32.4



Abundance Ion 228.00 (227.70 to 228.70): E
1e+07
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

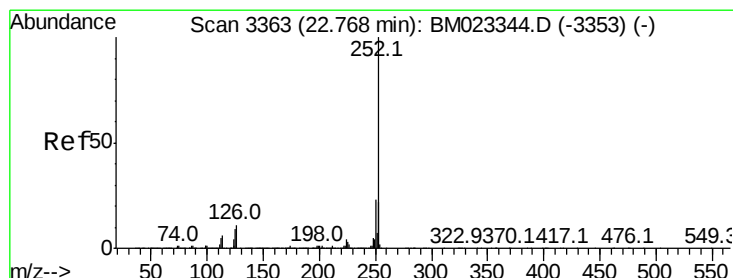
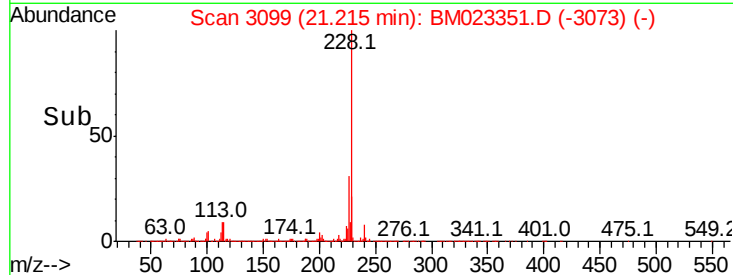
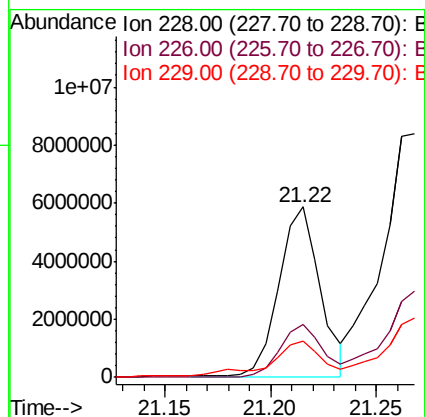
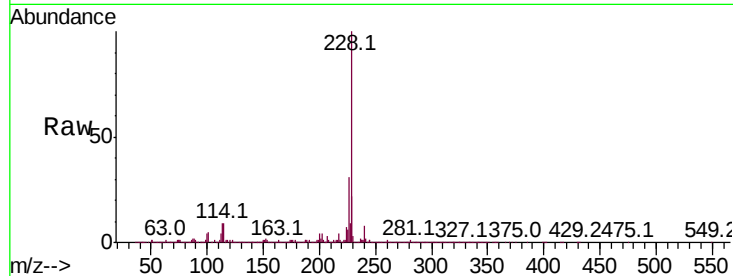




#85
Chrysene
Concen: 62.434 ng/ul
RT: 21.22 min Scan# 3099
Delta R.T. -0.05 min
Lab File: BM023351.D
Acq: 23 Oct 2019 20:47

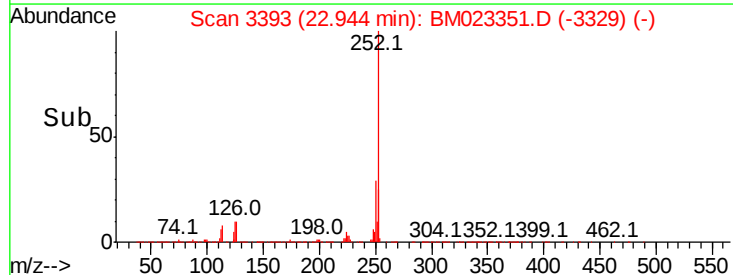
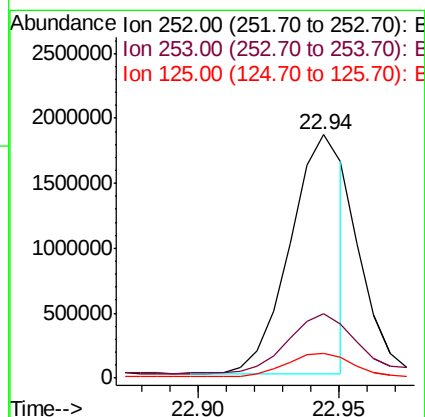
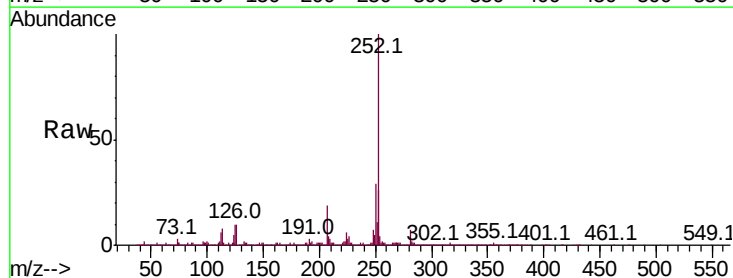
Instrument :
BNA_M
ClientSampleId :

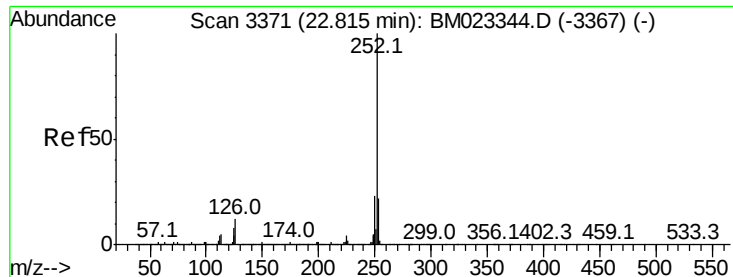
Tot Ion:228 Resp: 7968959
Ion Ratio Lower Upper
228 100
226 31.4 24.0 36.0
229 21.6 16.0 24.0



#88
Benzo(b)fluoranthene
Concen: 15.379 ng/ul
RT: 22.94 min Scan# 3393
Delta R.T. 0.18 min
Lab File: BM023351.D
Acq: 23 Oct 2019 20:47

Tgt Ion:252 Resp: 2397970
Ion Ratio Lower Upper
252 100
253 26.2 17.5 26.3
125 10.1 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 20.501 ng/ul

RT: 22.94 min Scan# 3393

Delta R.T. 0.13 min

Lab File: BM023351.D

Acq: 23 Oct 2019 20:47

Instrument :

BNA_M

ClientSampled :

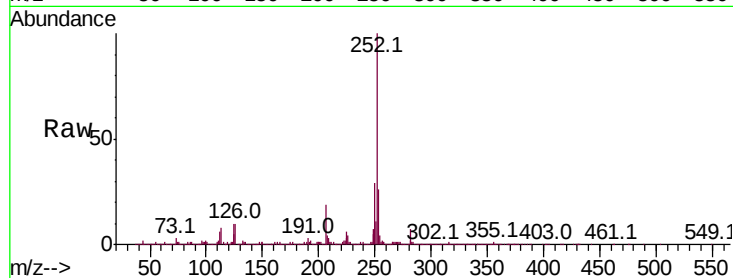
Tot Ion:252 Resp: 3001584

Ion Ratio Lower Upper

252 100

253 26.2 17.8 26.6

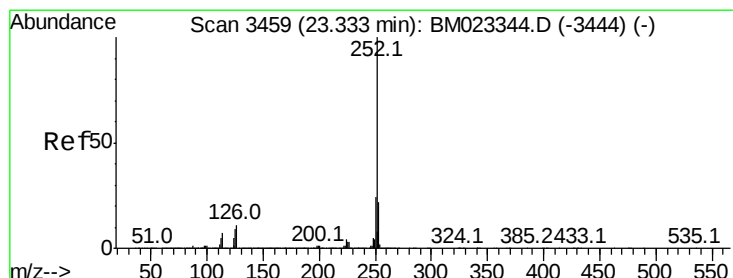
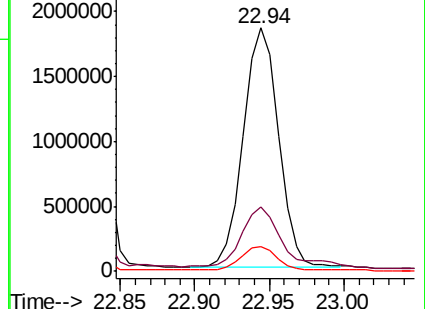
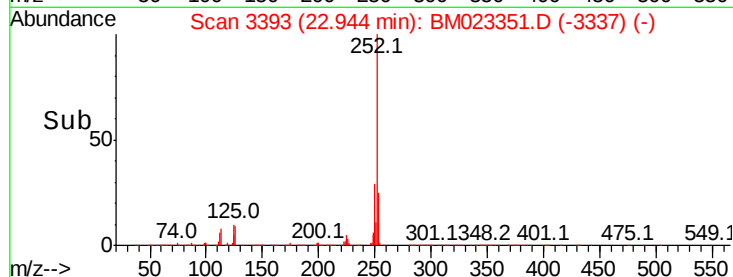
125 10.1 6.8 10.2



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: 104.013 ng/ul

RT: 23.35 min Scan# 3462

Delta R.T. 0.02 min

Lab File: BM023351.D

Acq: 23 Oct 2019 20:47

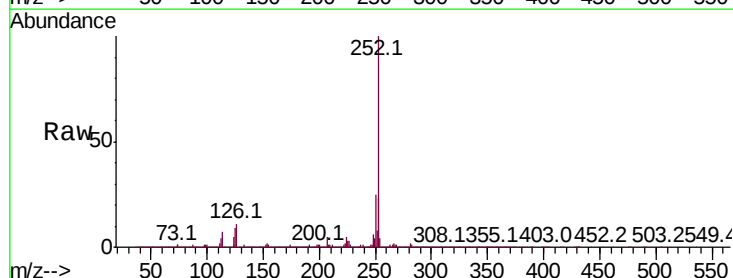
Tgt Ion:252 Resp:14682399

Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

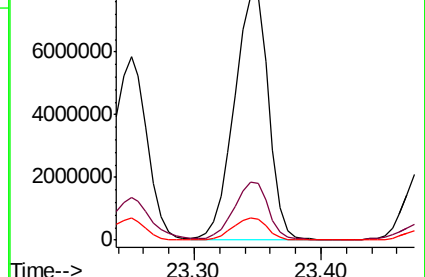
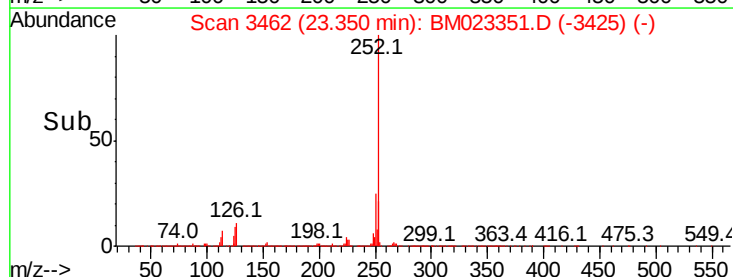
125 8.7 7.5 11.3

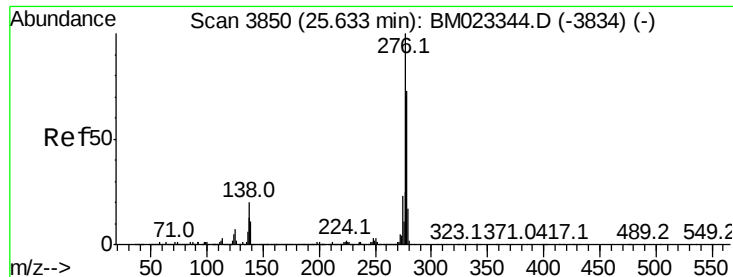


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



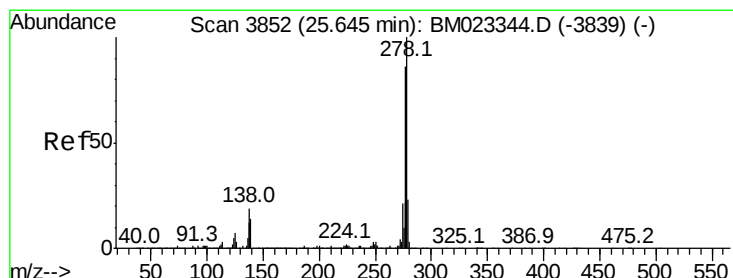
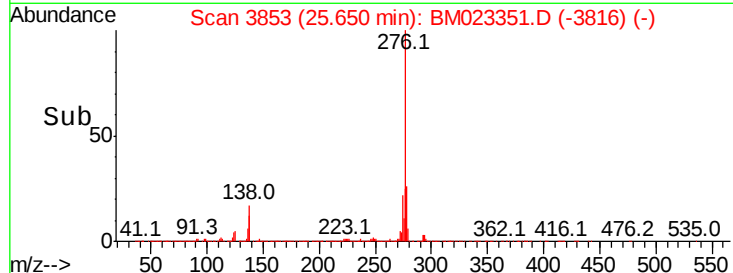
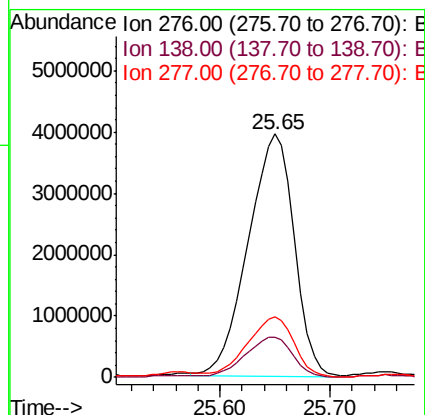
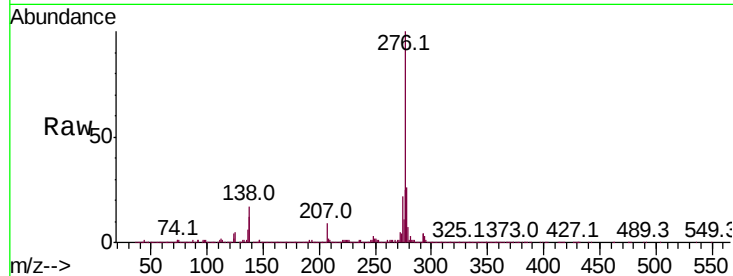


#92

Indeno(1,2,3-cd)pyrene
Concen: 75.629 ng/ul
RT: 25.65 min Scan# 3853
Delta R.T. 0.02 min
Lab File: BM023351.D
Acq: 23 Oct 2019 20:47

Instrument :
BNA_M
ClientSampleId :

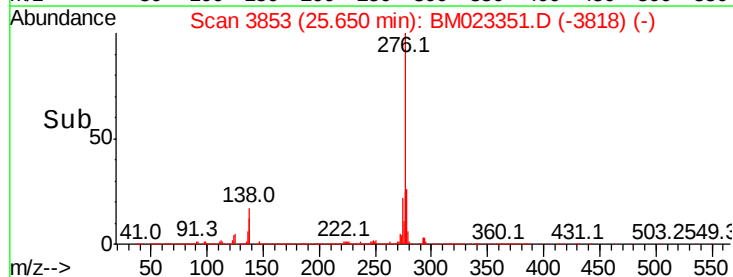
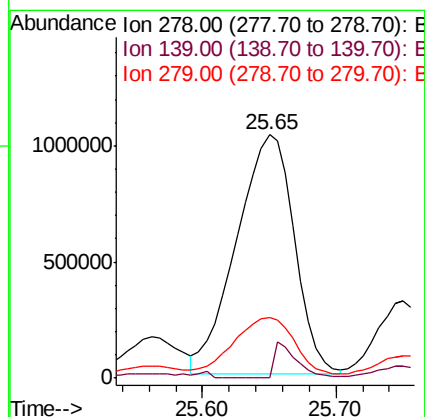
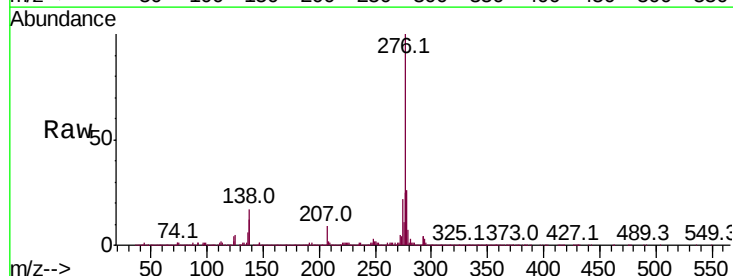
Tot Ion:276 Resp:11559388
Ion Ratio Lower Upper
276 100
138 16.6 15.7 23.5
277 24.8 20.2 30.2

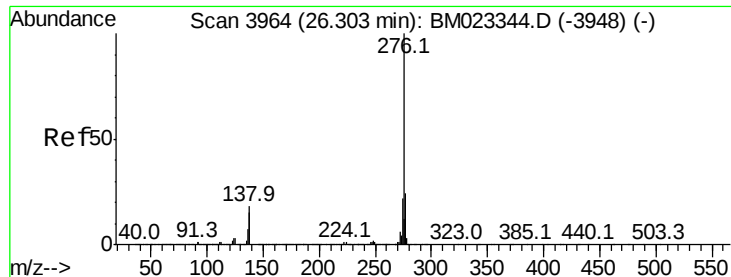


#93

Dibenzo(a,h)anthracene
Concen: 24.103 ng/ul
RT: 25.65 min Scan# 3853
Delta R.T. 0.01 min
Lab File: BM023351.D
Acq: 23 Oct 2019 20:47

Tgt Ion:278 Resp: 3106370
Ion Ratio Lower Upper
278 100
139 0.0 10.9 16.3#
279 25.0 18.7 28.1





#94

Benzo(a,h,i)perylene

Concen: 68.561 ng/ul

RT: 26.33 min Scan# 3968

Delta R.T. 0.02 min

Lab File: BM023351.D

Acq: 23 Oct 2019 20:47

Instrument :

BNA_M

ClientSampleId :

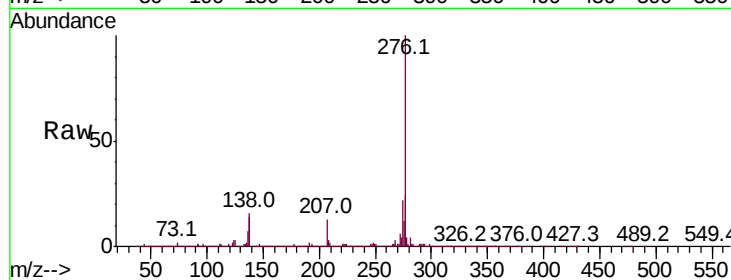
Tot Ion:276 Resp: 8525735

Ion Ratio Lower Upper

276 100

138 16.3 14.4 21.6

277 24.1 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

