

Data File : BM023332.D
Acq On : 22 Oct 2019 23:08
Operator : JU
Sample : K5354-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB90

Quant Time: Oct 23 01:43:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 23 01:39:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	393901	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1581570	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	976567	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	2075068	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	2109450	20.00	ng/ul	0.00
86) Perylene-d12	23.43	264	2586620	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.17	96	38647	4.32	ng/uL	0.00
5) Phenol-d5	6.82	99	709943	20.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	414075	21.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	584081	22.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	546147	19.82	ng/ul	0.00
19) Nitrobenzene-d5	8.79	128	282016	26.36	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	318660	31.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	591978	22.85	ng/ul	0.00
29) 4-Chloroaniline-d4	10.56	131	377114	11.96	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	1809757	24.18	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	2121215	24.17	ng/ul	0.00
52) 4-Nitrophenol-d4	14.50	143	236688	19.54	ng/ul	0.00
58) Fluorene-d10	15.29	176	1572444	24.66	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.41	200	175034	21.28	ng/ul	0.00
71) Anthracene-d10	17.14	188	2500298	24.99	ng/ul	0.00
79) Pyrene-d10	19.43	212	2810370	27.51	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.30	264	3348890	25.54	ng/ul	0.00

Target Compounds

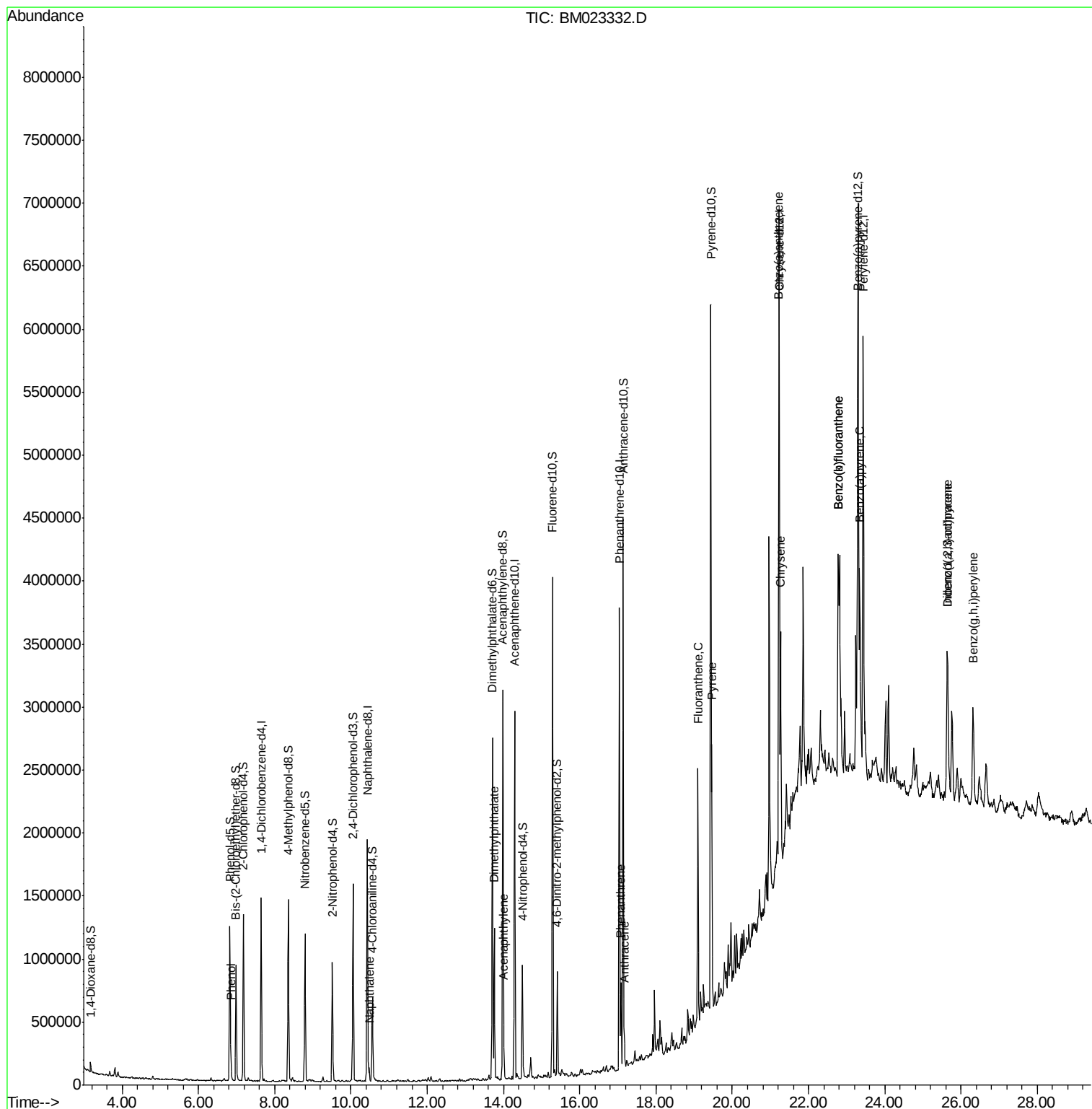
					Qvalue	
6) Phenol	6.85	94	76156	2.153	ng/ul	99
28) Naphthalene	10.47	128	82089	1.004	ng/ul#	97
45) Dimethylphthalate	13.76	163	740088	9.880	ng/ul	99
48) Acenaphthylene	14.01	152	131962	1.470	ng/ul	99
70) Phenanthrene	17.08	178	394319	3.386	ng/ul	98
72) Anthracene	17.17	178	181622	1.509	ng/ul	99
77) Fluoranthene	19.10	202	1257677	9.081	ng/ul	99
80) Pyrene	19.46	202	1227852	9.291	ng/ul	99
83) Benzo(a)anthracene	21.22	228	1048316	7.334	ng/ul	95
85) Chrysene	21.27	228	998051	7.520	ng/ul	97
88) Benzo(b)fluoranthene	22.78	252	1628302	10.383	ng/ul	97
89) Benzo(k)fluoranthene	22.78	252	1628302	10.813	ng/ul	98
91) Benzo(a)pyrene	23.34	252	1172815	7.795	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	25.64	276	952679	5.322	ng/ul	95
93) Dibenzo(a,h)anthracene	25.64	278	272034	1.818	ng/ul#	85
94) Benzo(g,h,i)perylene	26.31	276	950871	6.452	ng/ul	97

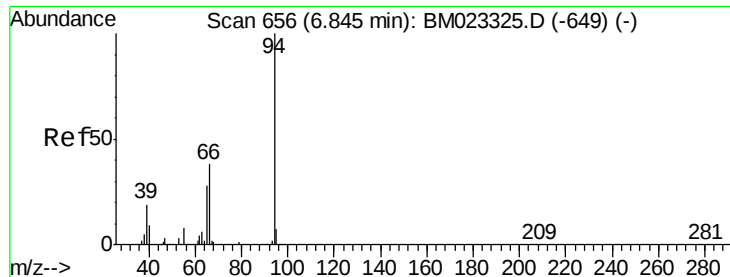
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#6

Phenol

Concen: 2.153 ng/ul

RT: 6.85 min Scan# 657

Delta R.T. 0.01 min

Lab File: BM023332.D

Acq: 22 Oct 2019 23:08

Instrument :

BNA_M

ClientSampleId :

BFB90

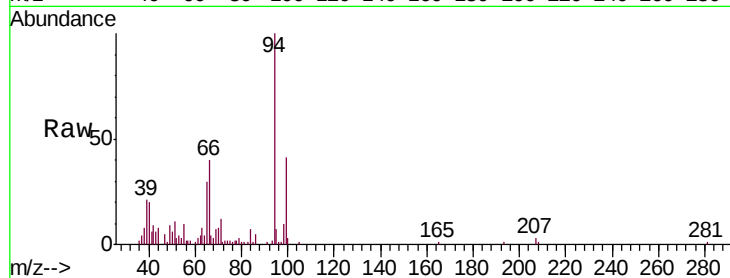
Tgt Ion: 94 Resp: 76156

Ion Ratio Lower Upper

94 100

65 29.7 23.2 34.8

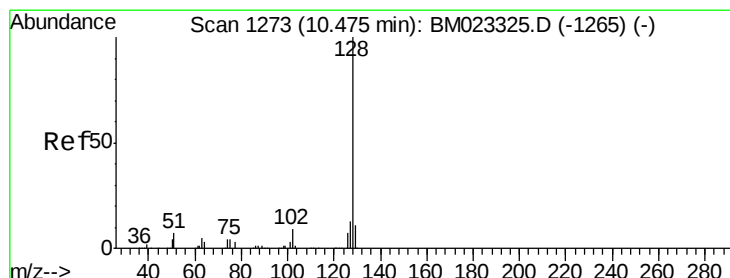
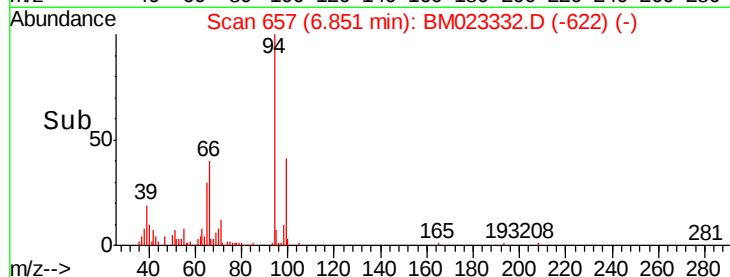
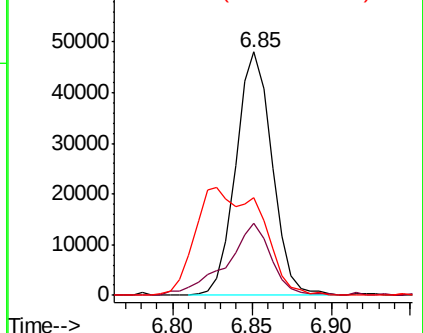
66 40.4 32.9 49.3



Abundance Ion 94.00 (93.70 to 94.70): BM023332.D (-622) (-)

Ion 65.00 (64.70 to 65.70): BM023332.D (-622) (-)

Ion 66.00 (65.70 to 66.70): BM023332.D (-622) (-)



#28

Naphthalene

Concen: 1.004 ng/ul

RT: 10.47 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BM023332.D

Acq: 22 Oct 2019 23:08

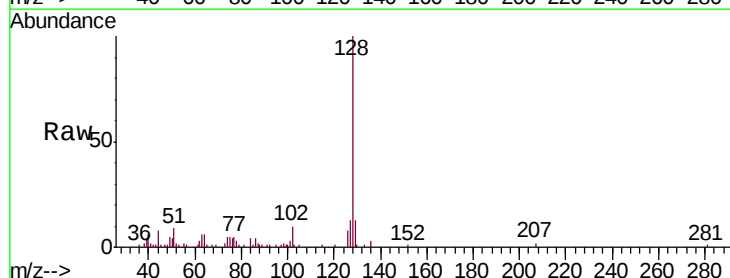
Tgt Ion: 128 Resp: 82089

Ion Ratio Lower Upper

128 100

129 13.4 8.8 13.2#

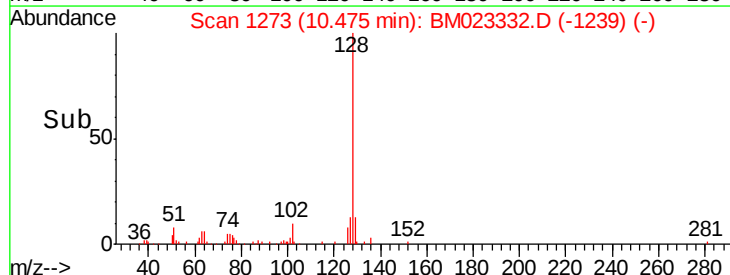
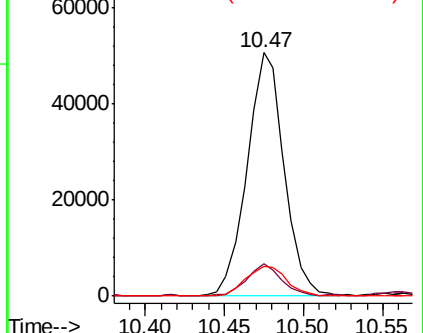
127 12.5 10.2 15.4

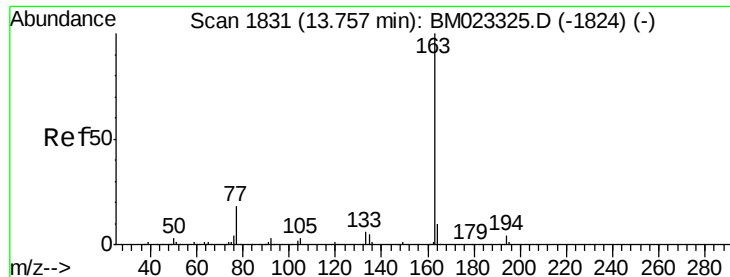


Abundance Ion 128.00 (127.70 to 128.70): BM023332.D (-1239) (-)

Ion 129.00 (128.70 to 129.70): BM023332.D (-1239) (-)

Ion 127.00 (126.70 to 127.70): BM023332.D (-1239) (-)





#45

Dimethylphthalate

Concen: 9.880 ng/ul

RT: 13.76 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BM023332.D

Acq: 22 Oct 2019 23:08

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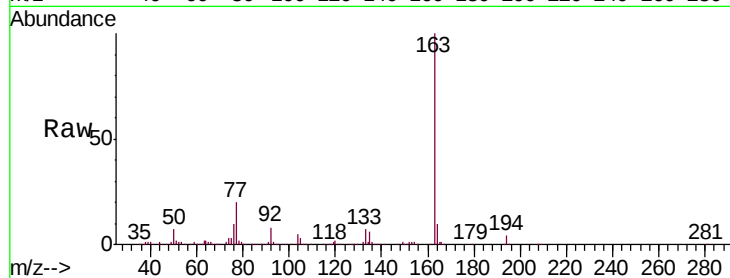
Tgt Ion:163 Resp: 740088

Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.2

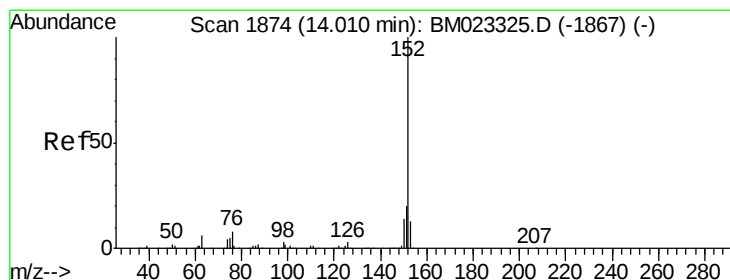
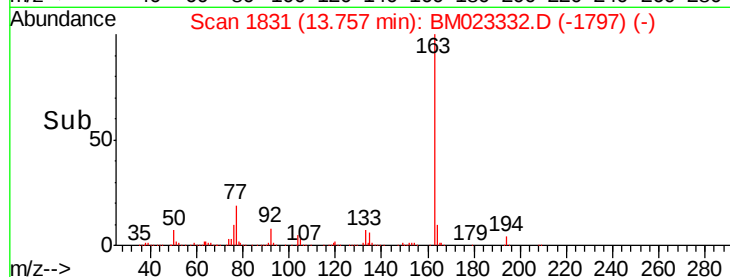
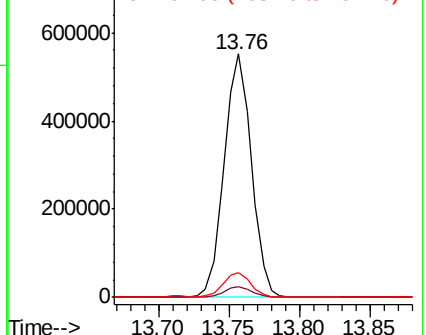
164 10.0 7.8 11.6



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: 1.470 ng/ul

RT: 14.01 min Scan# 1874

Delta R.T. -0.00 min

Lab File: BM023332.D

Acq: 22 Oct 2019 23:08

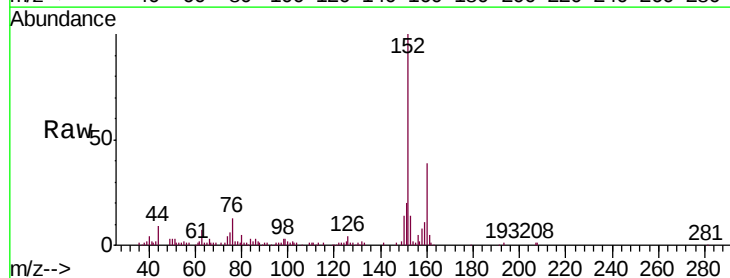
Tgt Ion:152 Resp: 131962

Ion Ratio Lower Upper

152 100

151 20.2 15.9 23.9

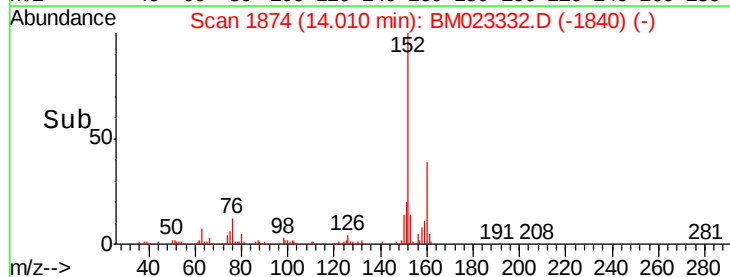
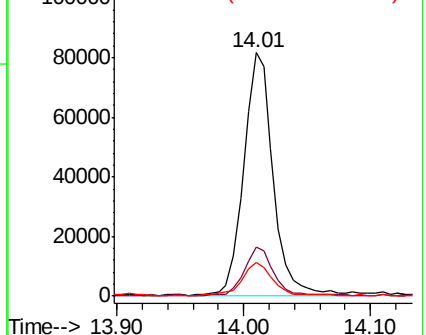
153 13.7 10.3 15.5

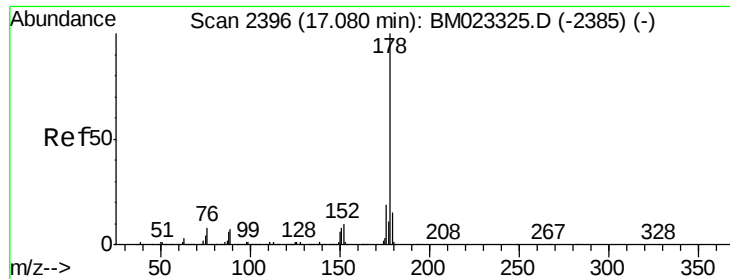


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#70

Phenanthrene

Concen: 3.386 ng/ul

RT: 17.08 min Scan# 2396

Delta R.T. -0.00 min

Lab File: BM023332.D

Acq: 22 Oct 2019 23:08

Instrument :

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BFB90

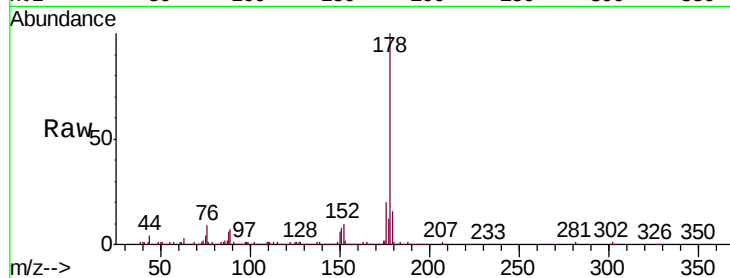
Tgt Ion:178 Resp: 394319

Ion Ratio Lower Upper

178 100

179 15.8 11.7 17.5

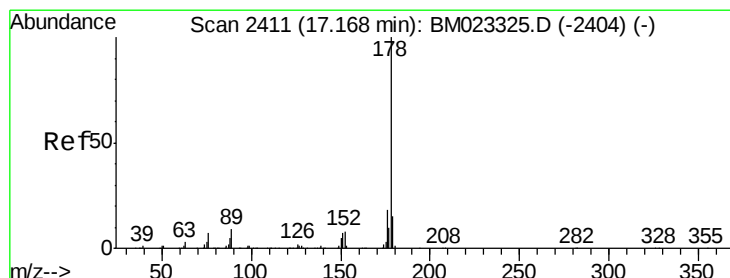
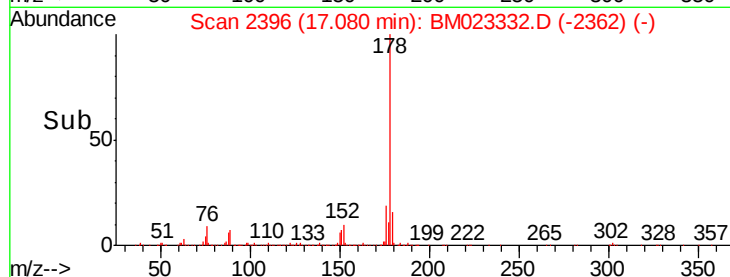
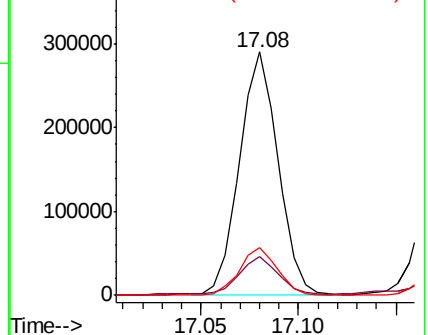
176 19.6 15.0 22.4



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: 1.509 ng/ul

RT: 17.17 min Scan# 2412

Delta R.T. 0.01 min

Lab File: BM023332.D

Acq: 22 Oct 2019 23:08

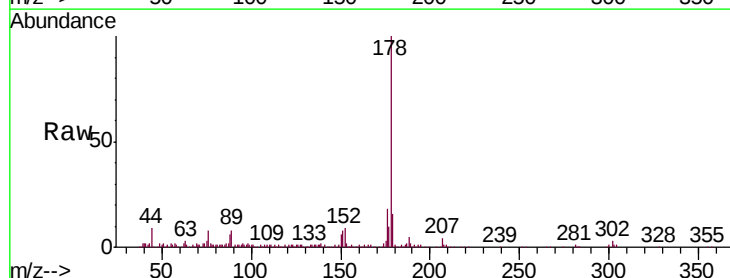
Tgt Ion:178 Resp: 181622

Ion Ratio Lower Upper

178 100

179 16.3 12.5 18.7

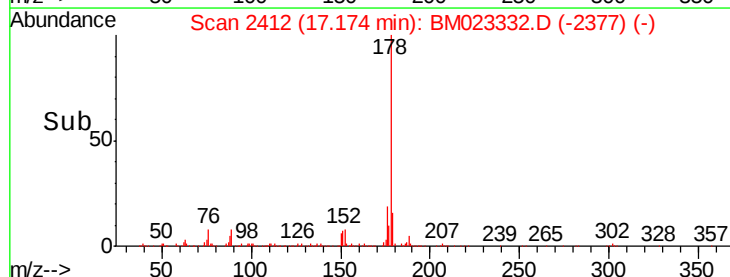
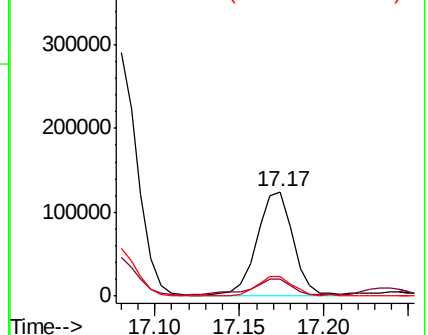
176 18.4 14.8 22.2

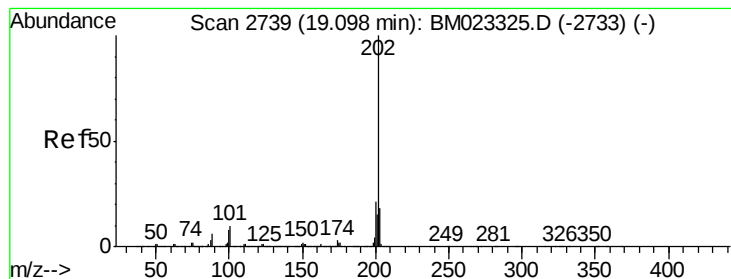


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#77

Fluoranthene

Concen: 9.081 ng/ul

RT: 19.10 min Scan# 2740

Delta R.T. 0.01 min

Lab File: BM023332.D

Acq: 22 Oct 2019 23:08

Instrument :

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ClientSampleId :

BFB90

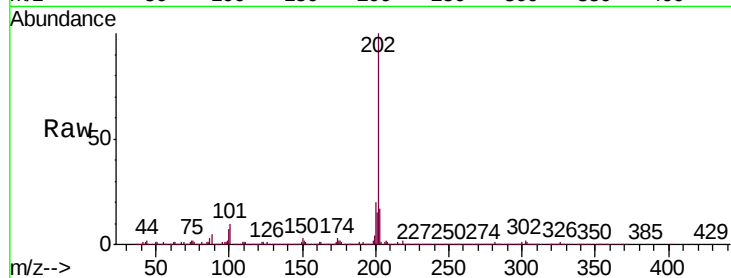
Tgt Ion:202 Resp: 1257677

Ion Ratio Lower Upper

202 100

101 9.8 8.2 12.4

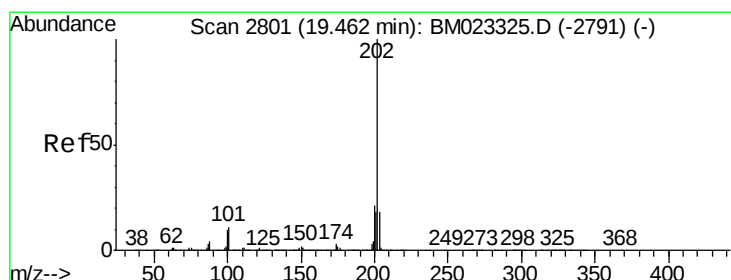
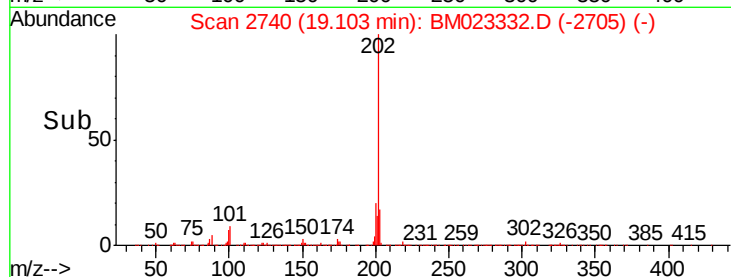
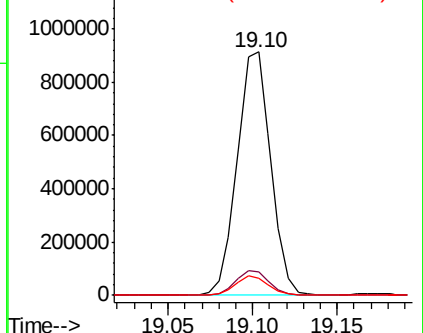
100 7.2 6.1 9.1



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



#80

Pyrene

Concen: 9.291 ng/ul

RT: 19.46 min Scan# 2801

Delta R.T. -0.00 min

Lab File: BM023332.D

Acq: 22 Oct 2019 23:08

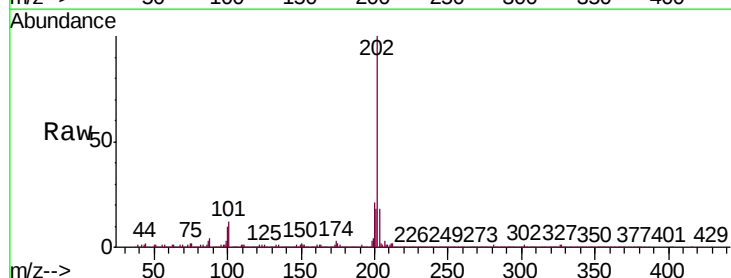
Tgt Ion:202 Resp: 1227852

Ion Ratio Lower Upper

202 100

101 11.7 9.0 13.6

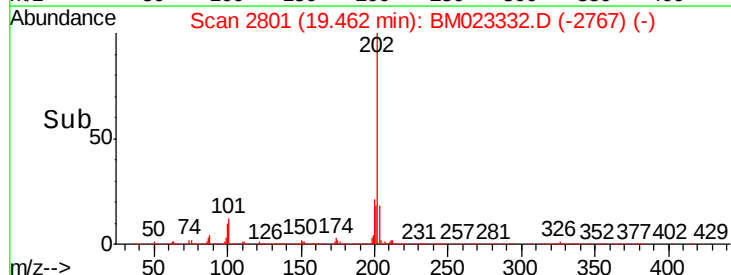
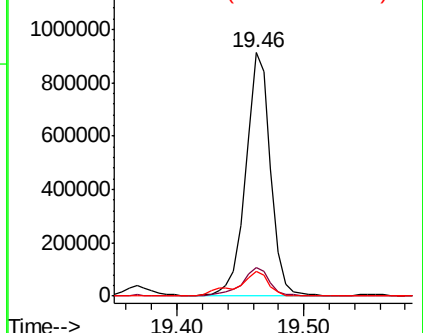
100 9.9 7.5 11.3

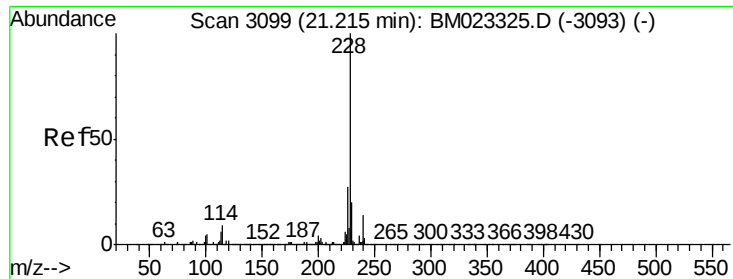


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 7.334 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. -0.00 min

Lab File: BM023332.D

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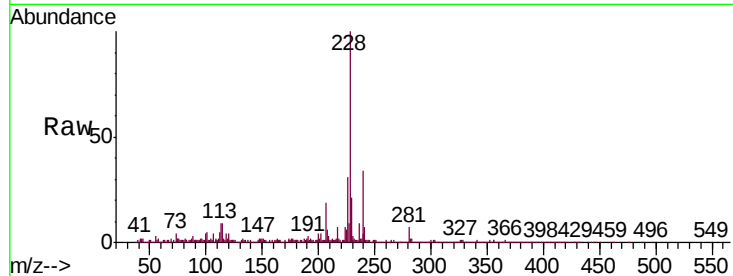
Tgt Ion:228 Resp: 1048316

Ion Ratio Lower Upper

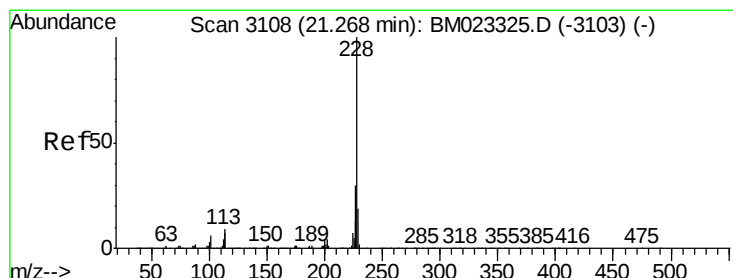
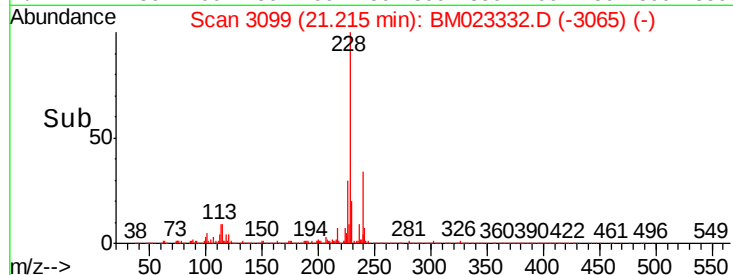
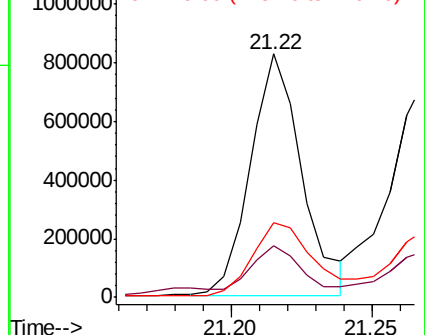
228 100

229 21.0 15.8 23.8

226 30.7 21.5 32.3



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: 7.520 ng/ul

RT: 21.27 min Scan# 3108

Delta R.T. -0.00 min

Lab File: BM023332.D

Acq: 22 Oct 2019 23:08

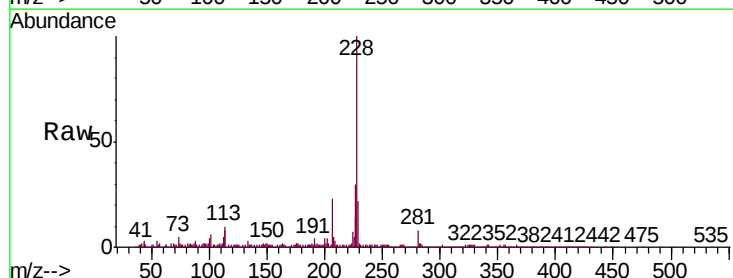
Tgt Ion:228 Resp: 998051

Ion Ratio Lower Upper

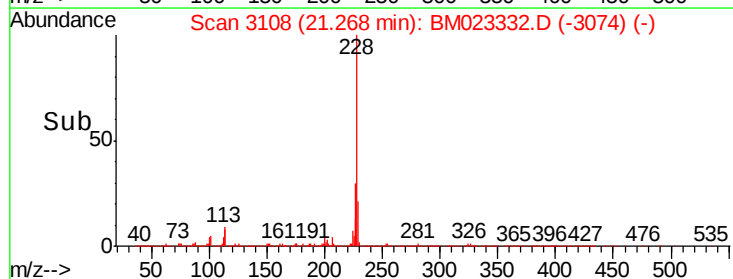
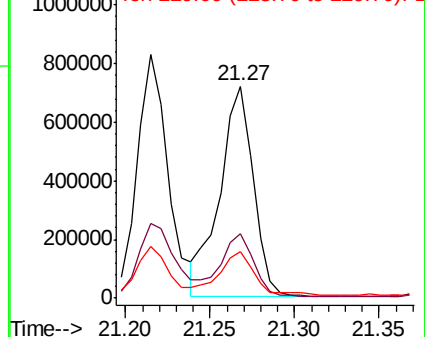
228 100

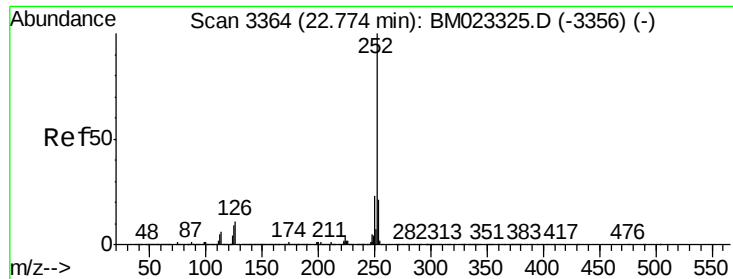
226 30.2 23.4 35.0

229 21.7 15.5 23.3



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: 10.383 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. 0.01 min

Lab File: BM023332.D

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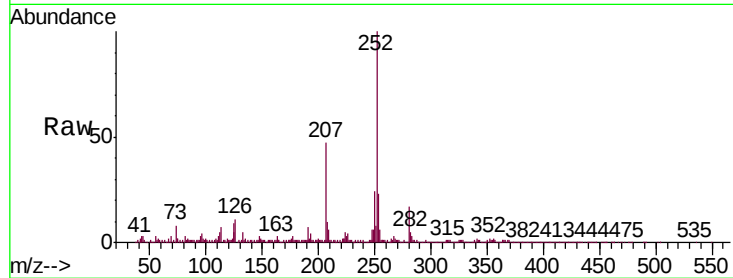
Tgt Ion:252 Resp: 1628302

Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

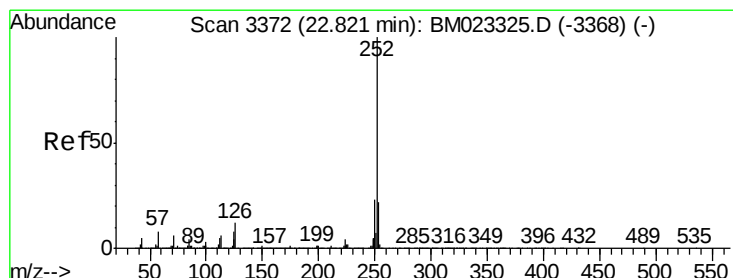
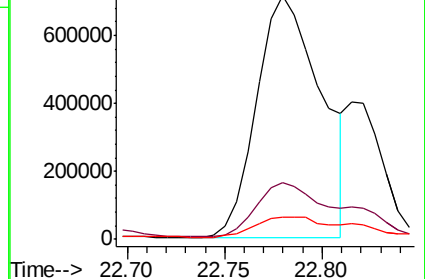
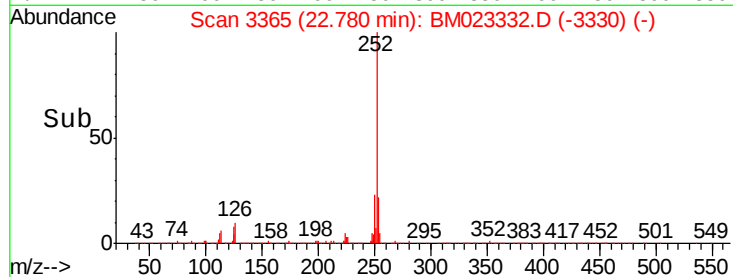
125 9.0 7.0 10.4



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



#89

Benzo(k)fluoranthene

Concen: 10.813 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. -0.04 min

Lab File: BM023332.D

Acq: 22 Oct 2019 23:08

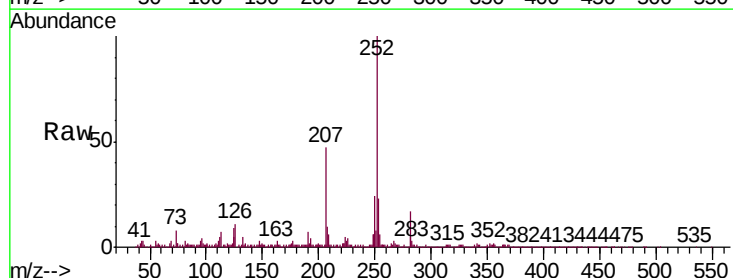
Tgt Ion:252 Resp: 1628302

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

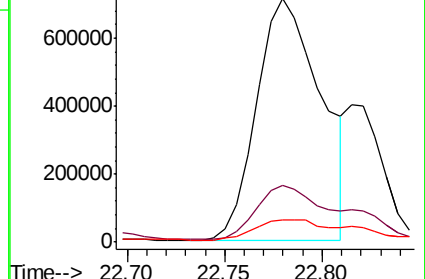
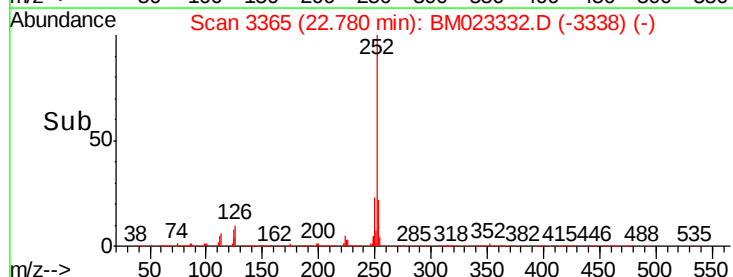
125 9.0 6.6 9.8

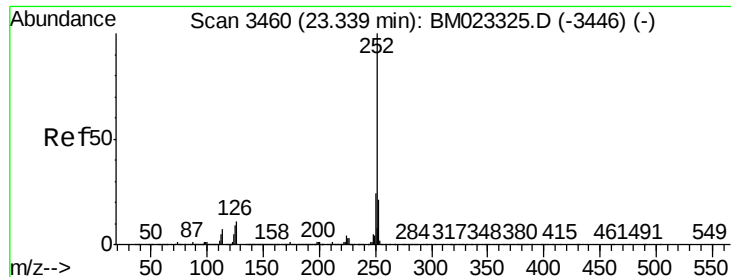


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 7.795 ng/ul

RT: 23.34 min Scan# 3460

Delta R.T. -0.00 min

Lab File: BM023332.D

Acq: 22 Oct 2019 23:08

Instrument :

BNA_M

ClientSampleId :

BFB90

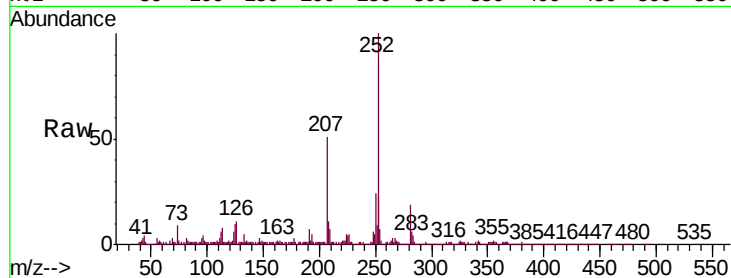
Tgt Ion:252 Resp: 1172815

Ion Ratio Lower Upper

252 100

253 23.5 17.0 25.6

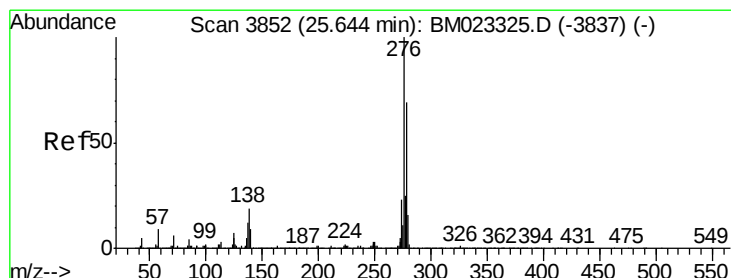
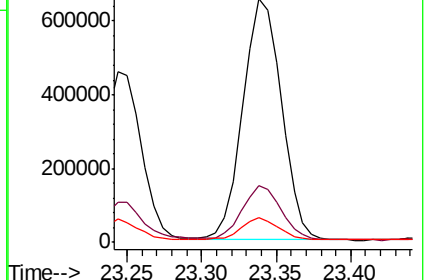
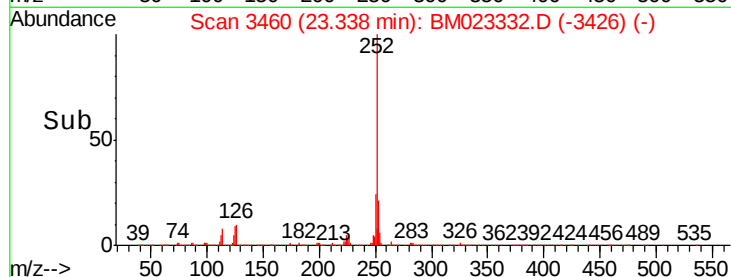
125 9.9 7.1 10.7



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 5.322 ng/ul

RT: 25.64 min Scan# 3851

Delta R.T. -0.01 min

Lab File: BM023332.D

Acq: 22 Oct 2019 23:08

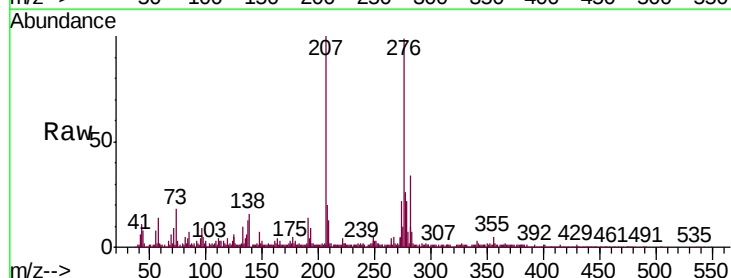
Tgt Ion:276 Resp: 952679

Ion Ratio Lower Upper

276 100

138 16.5 15.8 23.6

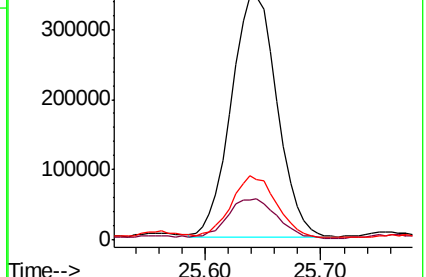
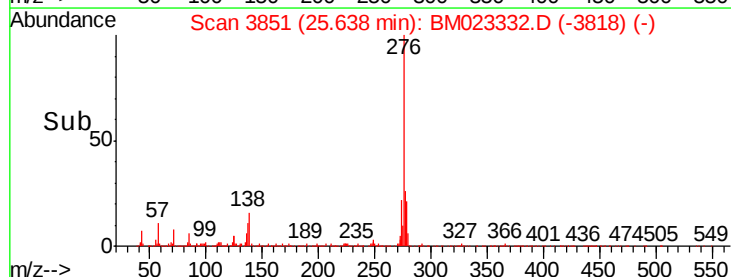
277 26.5 19.8 29.8

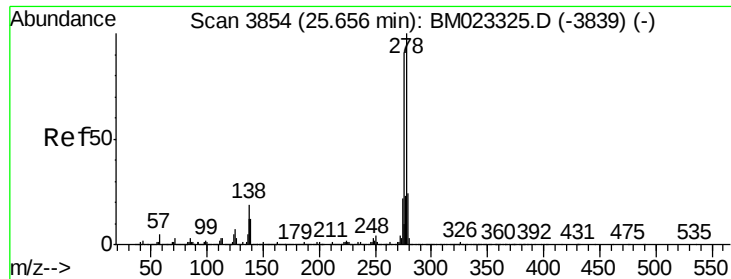


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 1.818 ng/ul

RT: 25.64 min Scan# 3852

Delta R.T. -0.01 min

Lab File: BM023332.D

Acq: 22 Oct 2019 23:08

Instrument :

BNA_M

ClientSampleId :

BFB90

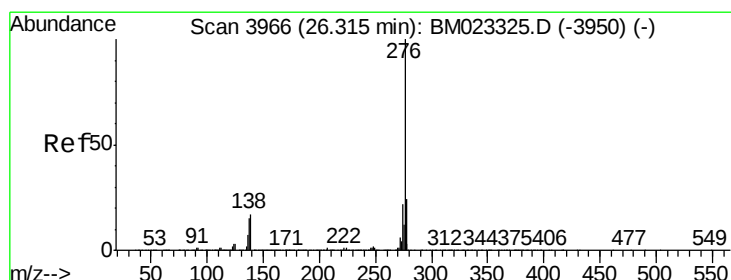
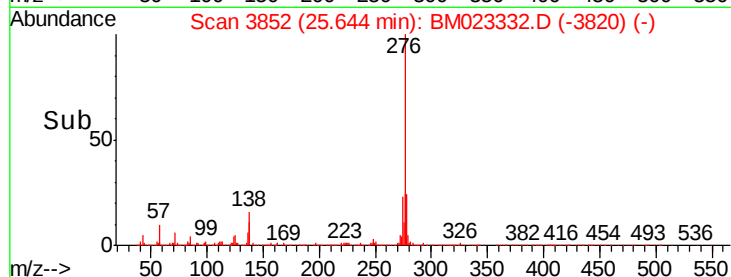
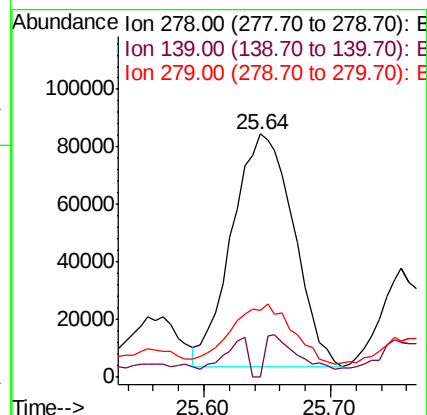
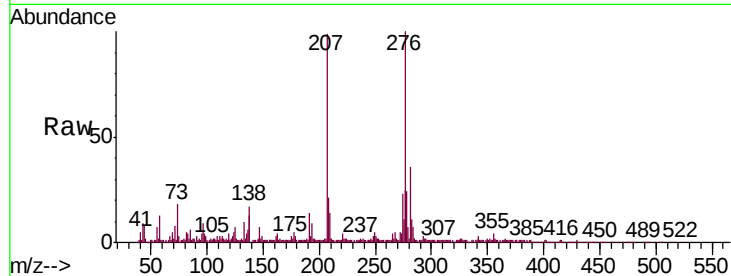
Tgt Ion:278 Resp: 272034

Ion Ratio Lower Upper

278 100

139 0.0 10.5 15.7#

279 27.5 19.7 29.5



#94

Benzo(g,h,i)perylene

Concen: 6.452 ng/ul

RT: 26.31 min Scan# 3966

Delta R.T. -0.00 min

Lab File: BM023332.D

Acq: 22 Oct 2019 23:08

Tgt Ion:276 Resp: 950871

Ion Ratio Lower Upper

276 100

138 18.0 13.9 20.9

277 25.2 18.7 28.1

