

Data File : BM023328.D
Acq On : 22 Oct 2019 20:44
Operator : JU
Sample : K5354-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BFB86

Quant Time: Oct 23 01:42:33 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	423909	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1690362	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	1069961	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	2138088	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	2240996	20.00	ng/ul	0.00
86) Perylene-d12	23.31	264	2956567	20.00	ng/ul	-0.12

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.17	96	33184	3.45	ng/uL	0.00
5) Phenol-d5	6.82	99	634713	17.19	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	344666	16.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	510858	18.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	521365	17.58	ng/ul	0.00
19) Nitrobenzene-d5	8.79	128	243035	21.25	ng/ul	0.00
22) 2-Nitrophenol-d4	9.51	143	275086	25.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	542087	19.57	ng/ul	0.00
29) 4-Chloroaniline-d4	10.56	131	85399	2.53	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	1638043	19.98	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	1944454	20.22	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	245986	18.53	ng/ul	0.00
58) Fluorene-d10	15.29	176	1437257	20.57	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.41	200	139880	16.50	ng/ul	0.00
71) Anthracene-d10	17.14	188	2226111	21.59	ng/ul	0.00
79) Pyrene-d10	19.44	212	2405696	22.17	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	2950872	19.69	ng/ul	0.02

Target Compounds

					Qvalue
4) Benzaldehyde	6.80	77	25923	1.069 ng/ul#	48
6) Phenol	6.85	94	65432	1.719 ng/ul	92
28) Naphthalene	10.47	128	547533	6.267 ng/ul	99
34) 2-Methylnaphthalene	12.10	142	218666	3.363 ng/ul	96
35) 1-Methylnaphthalene	12.32	142	203404	3.233 ng/ul#	95
41) 1,1'-Biphenyl	13.12	154	100477	1.234 ng/ul	100
45) Dimethylphthalate	13.76	163	720682	8.781 ng/ul	99
48) Acenaphthylene	14.01	152	2285564	23.244 ng/ul	99
50) Acenaphthene	14.36	153	367915	5.373 ng/ul	97
54) Dibenzofuran	14.69	168	105560	1.086 ng/ul	96
59) Fluorene	15.34	166	183729	2.304 ng/ul#	93
70) Phenanthrene	17.08	178	2951781	24.600 ng/ul	98
72) Anthracene	17.17	178	1605127	12.945 ng/ul	99
77) Fluoranthene	19.10	202	7024299	49.223 ng/ul	99
80) Pyrene	19.47	202	10108429	72.003 ng/ul	99
83) Benzo(a)anthracene	21.27	228	8056890	53.060 ng/ul	93
84) Bis(2-ethylhexyl)phthalate	21.18	149	122722	1.581 ng/ul#	90
85) Chrysene	21.27	228	8044815	57.058 ng/ul	96
88) Benzo(b)fluoranthene	22.80	252	9519708	53.106 ng/ul	97
89) Benzo(k)fluoranthene	22.80	252	9519708	55.307 ng/ul	98
91) Benzo(a)pyrene	23.36	252	8563129	49.791 ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.43	276	736669	3.601 ng/ul	95
93) Dibenzo(a,h)anthracene	25.67	278	1649199	9.641 ng/ul	94

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102219\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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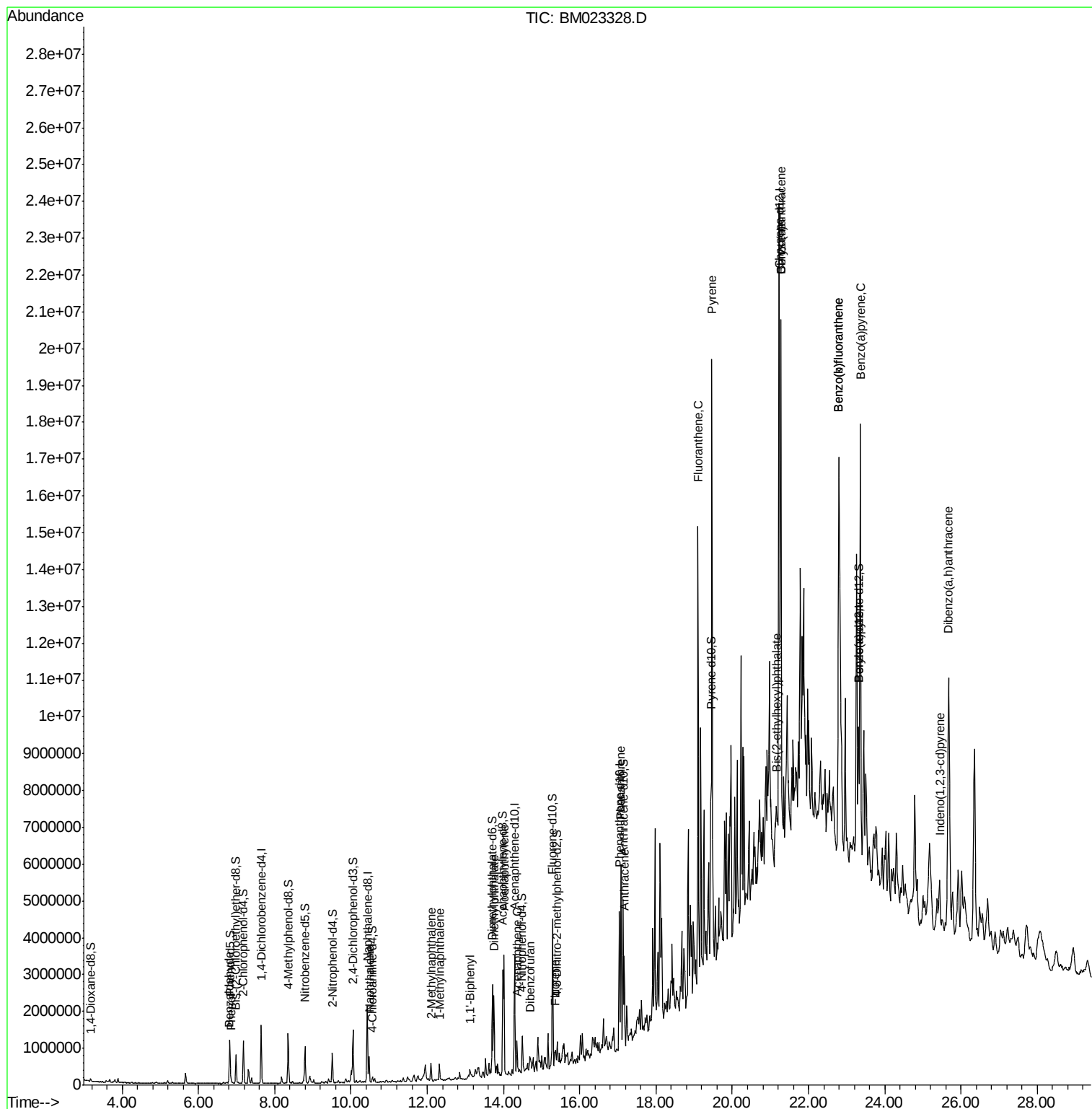
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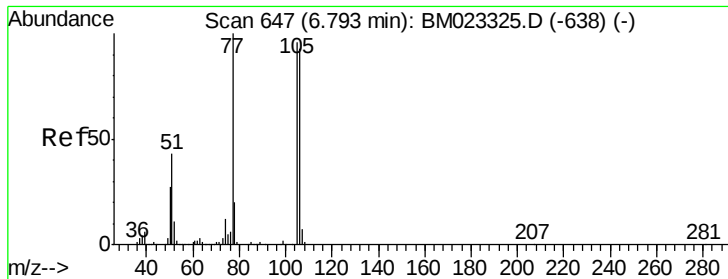
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.069 ng/ul

RT: 6.80 min Scan# 648

Delta R.T. 0.01 min

Lab File: BM023328.D

Acq: 22 Oct 2019 20:44

Instrument :

BNA_M

ClientSampleId :

BFB86

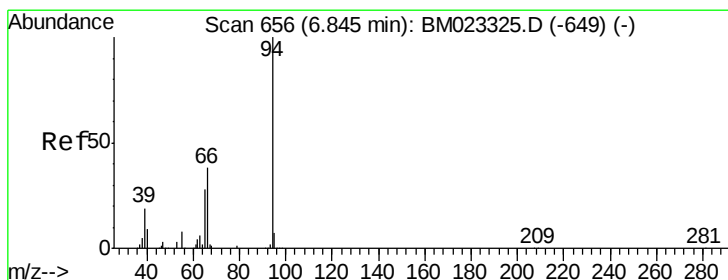
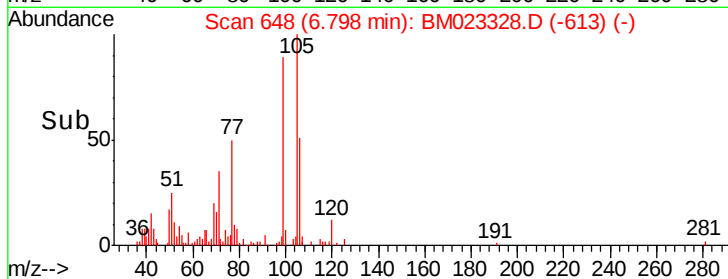
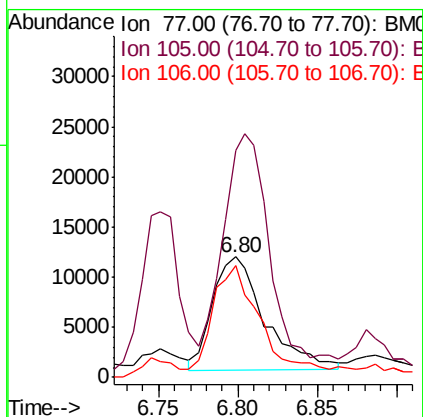
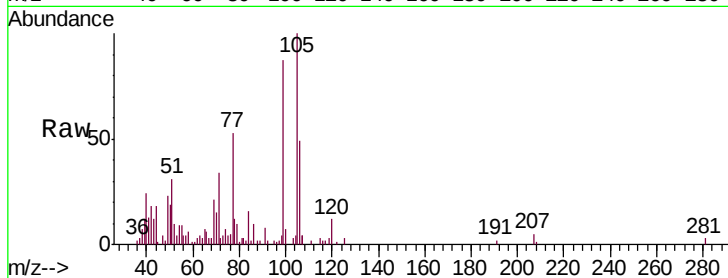
Tgt Ion: 77 Resp: 25923

Ion Ratio Lower Upper

77 100

105 188.6 74.9 112.3#

106 93.1 71.8 107.6



#6

Phenol

Concen: 1.719 ng/ul

RT: 6.85 min Scan# 657

Delta R.T. 0.01 min

Lab File: BM023328.D

Acq: 22 Oct 2019 20:44

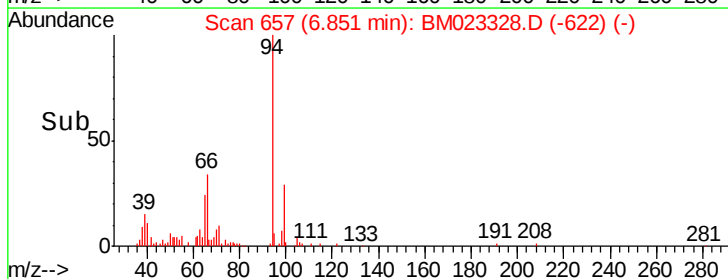
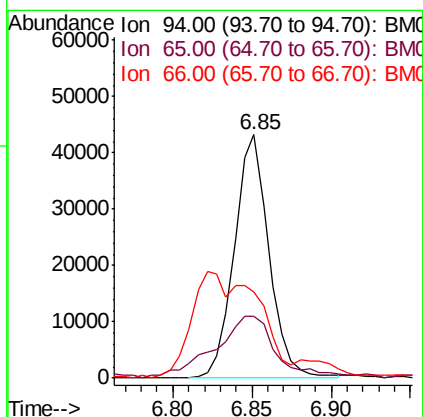
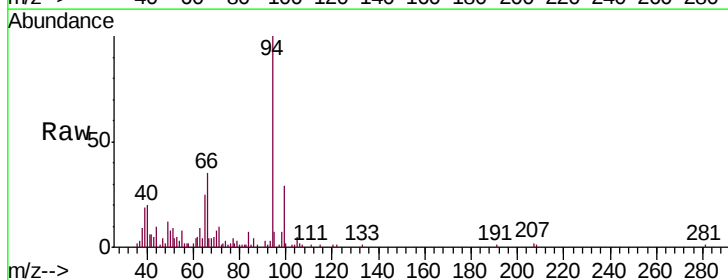
Tgt Ion: 94 Resp: 65432

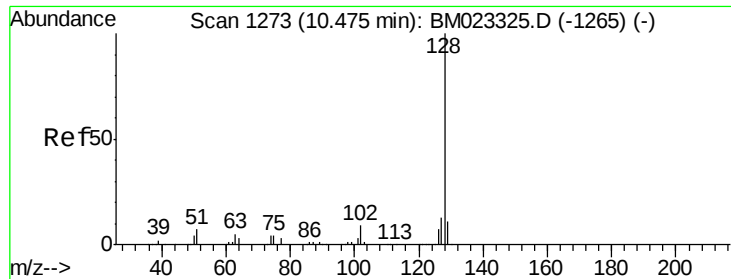
Ion Ratio Lower Upper

94 100

65 25.3 23.2 34.8

66 35.2 32.9 49.3

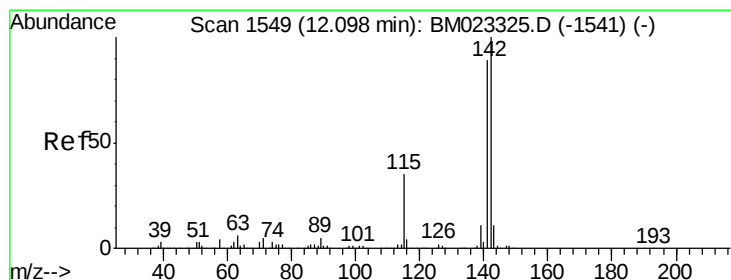
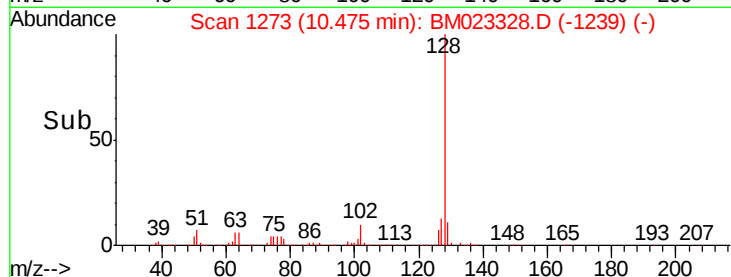
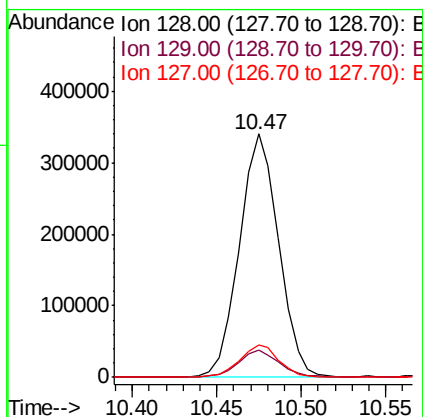
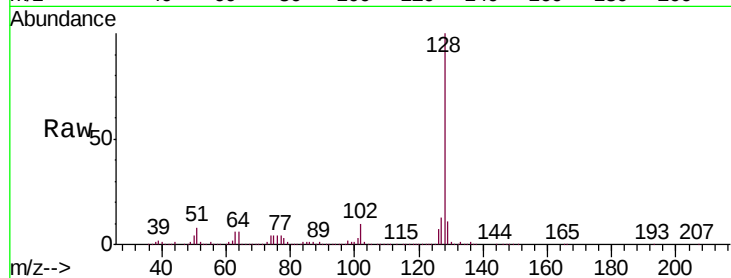




#28
Naphthalene
Concen: 6.267 ng/ul
RT: 10.47 min Scan# 1273
Delta R.T. -0.00 min
Lab File: BM023328.D
Acq: 22 Oct 2019 20:44

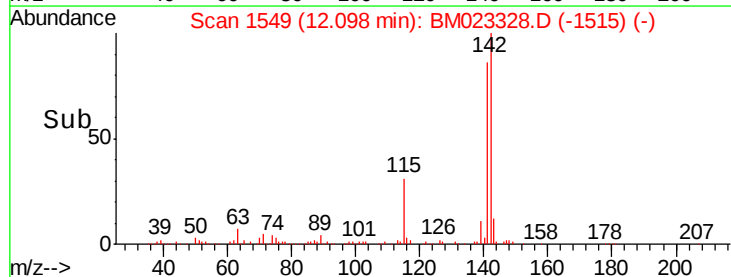
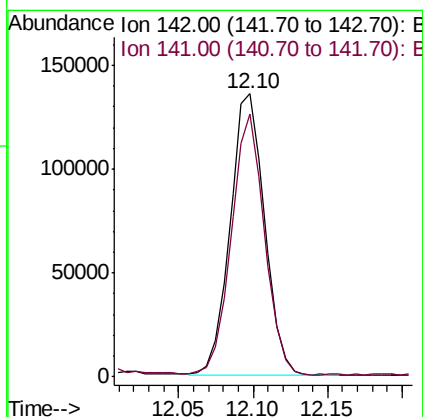
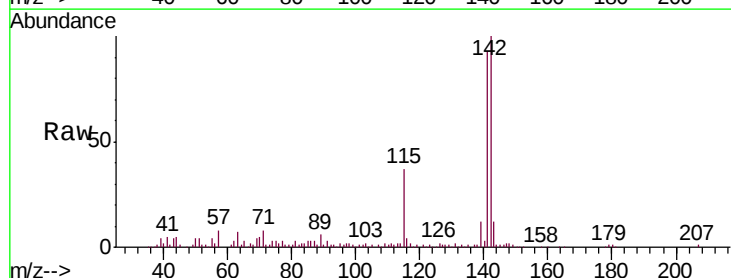
Instrument :
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ClientSampleId :
BFB86

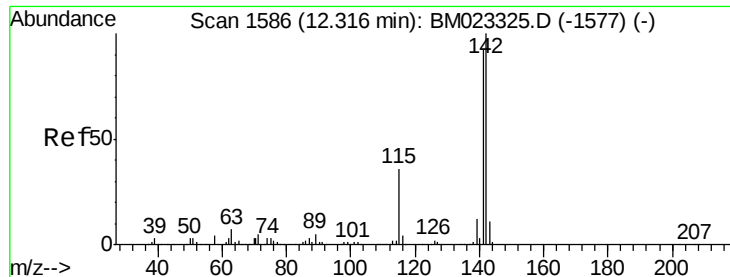
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.3	10.2	15.4



#34
2-Methylnaphthalene
Concen: 3.363 ng/ul
RT: 12.10 min Scan# 1549
Delta R.T. -0.00 min
Lab File: BM023328.D
Acq: 22 Oct 2019 20:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.7	71.4	107.0

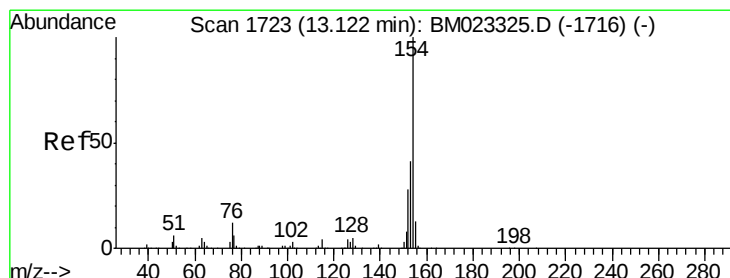
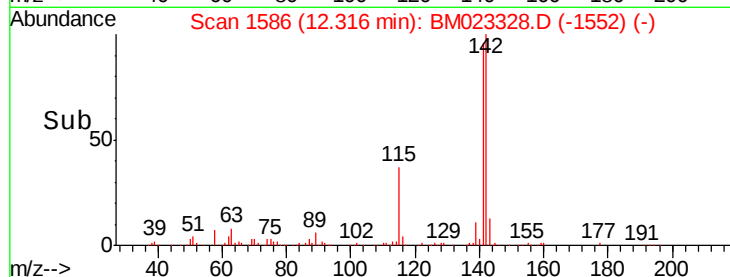
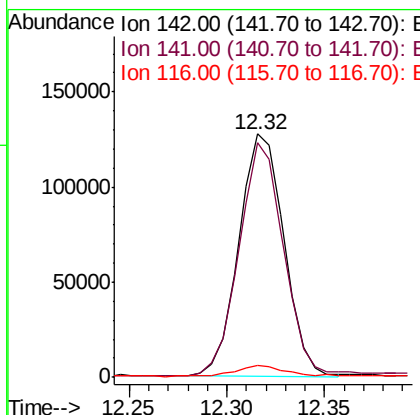
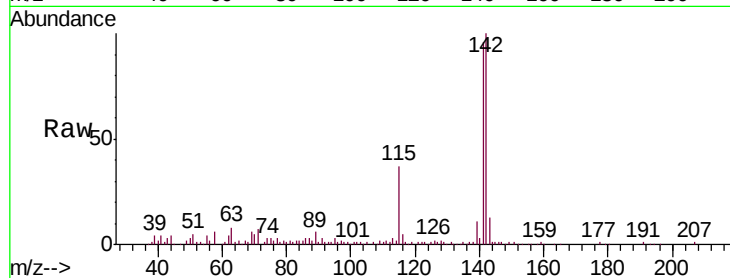




#35
 1-Methylnaphthalene
 Concen: 3.233 ng/ul
 RT: 12.32 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BM023328.D
 Acq: 22 Oct 2019 20:44

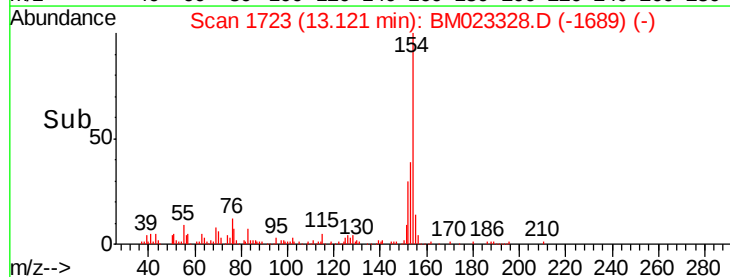
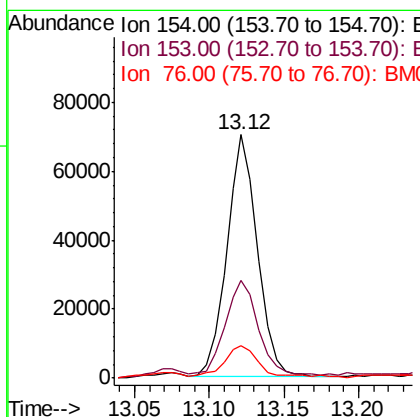
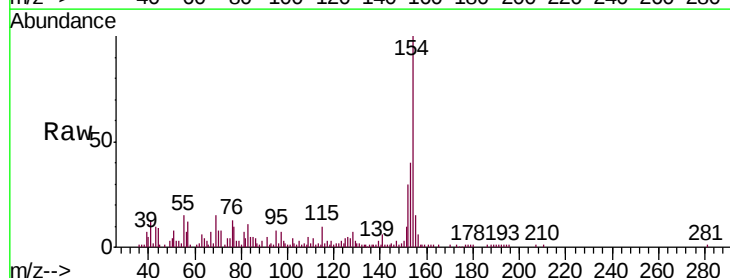
Instrument :
 BNA_M
 ClientSampleId :
 BFB86

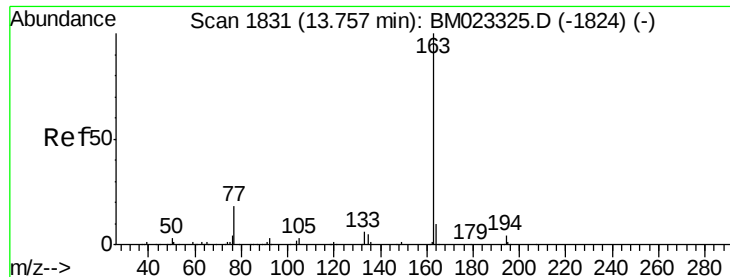
Tgt Ion:142 Resp: 203404
 Ion Ratio Lower Upper
 142 100
 141 96.3 73.0 109.6
 116 4.8 3.0 4.4#



#41
 1,1'-Biphenyl
 Concen: 1.234 ng/ul
 RT: 13.12 min Scan# 1723
 Delta R.T. -0.00 min
 Lab File: BM023328.D
 Acq: 22 Oct 2019 20:44

Tgt Ion:154 Resp: 100477
 Ion Ratio Lower Upper
 154 100
 153 40.1 32.2 48.2
 76 13.1 10.0 15.0





#45

Dimethylphthalate

Concen: 8.781 ng/ul

RT: 13.76 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BM023328.D

Acq: 22 Oct 2019 20:44

Instrument :

BNA_M

ClientSampleId :

BFB86

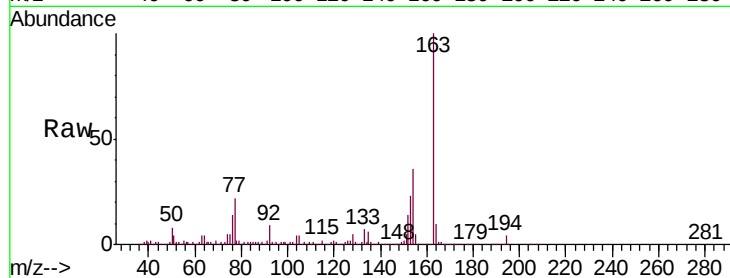
Tgt Ion:163 Resp: 720682

Ion Ratio Lower Upper

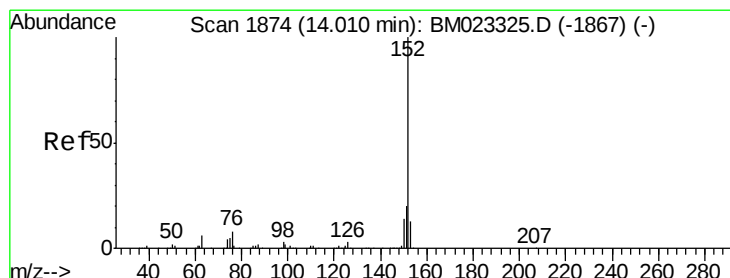
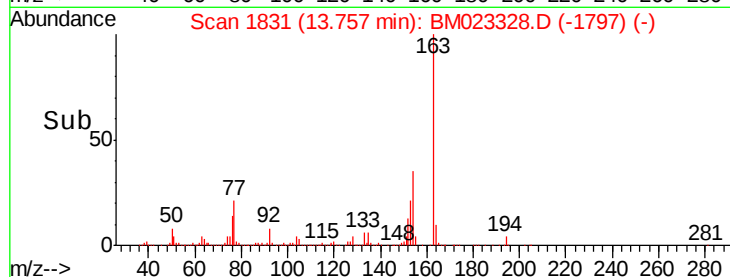
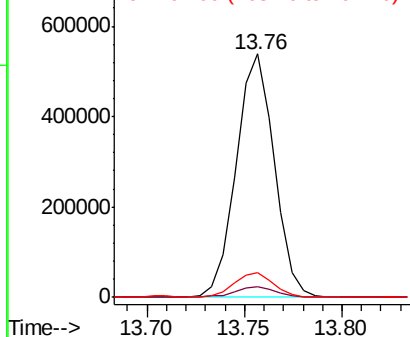
163 100

194 4.5 3.4 5.2

164 10.1 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: 23.244 ng/ul

RT: 14.01 min Scan# 1874

Delta R.T. -0.00 min

Lab File: BM023328.D

Acq: 22 Oct 2019 20:44

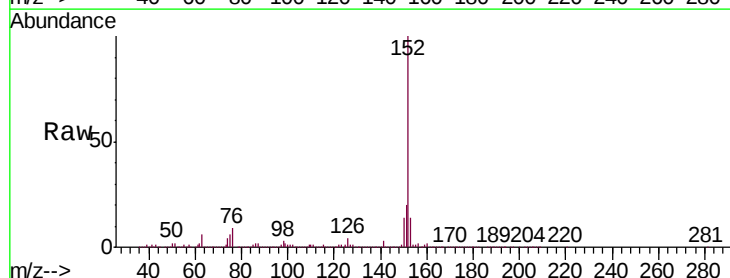
Tgt Ion:152 Resp: 2285564

Ion Ratio Lower Upper

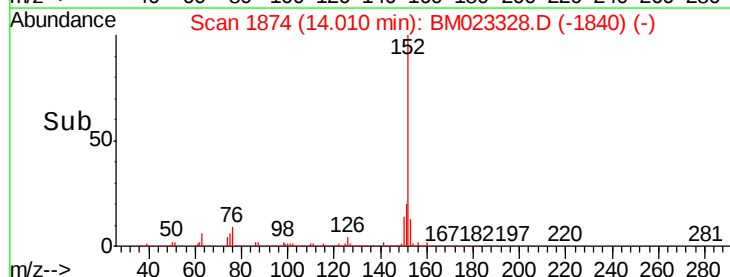
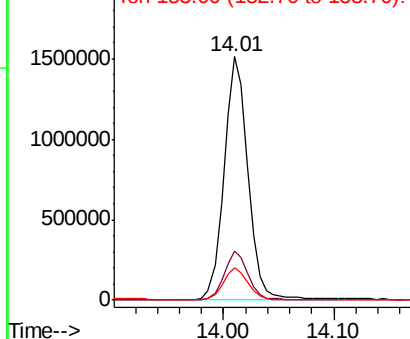
152 100

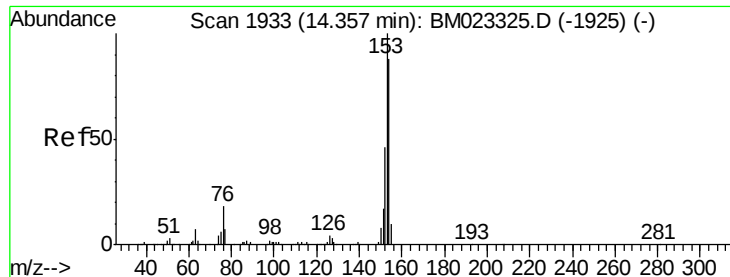
151 20.2 15.9 23.9

153 13.5 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





#50

Acenaphthene

Concen: 5.373 ng/ul

RT: 14.36 min Scan# 1933

Delta R.T. -0.00 min

Lab File: BM023328.D

Acq: 22 Oct 2019 20:44

Instrument :

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ClientSampleId :

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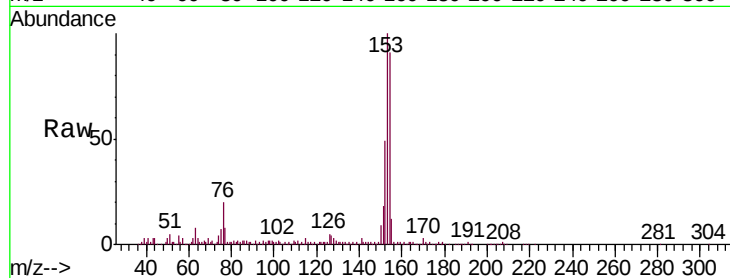
Tgt Ion:153 Resp: 367915

Ion Ratio Lower Upper

153 100

152 49.1 37.4 56.0

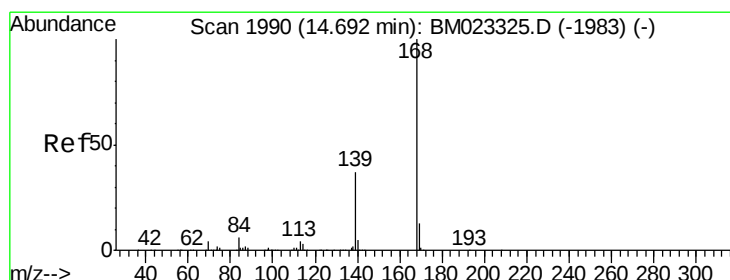
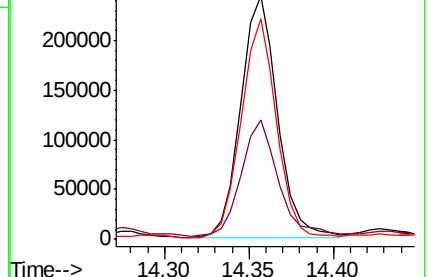
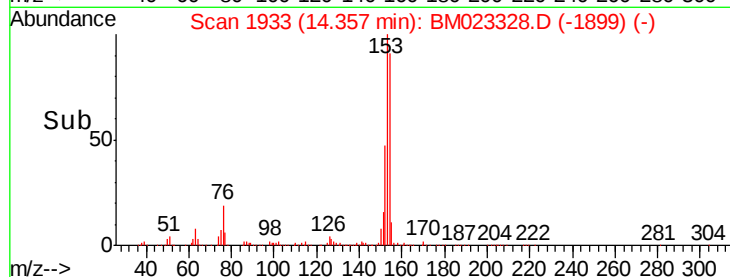
154 90.8 70.7 106.1



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: 1.086 ng/ul

RT: 14.69 min Scan# 1990

Delta R.T. -0.00 min

Lab File: BM023328.D

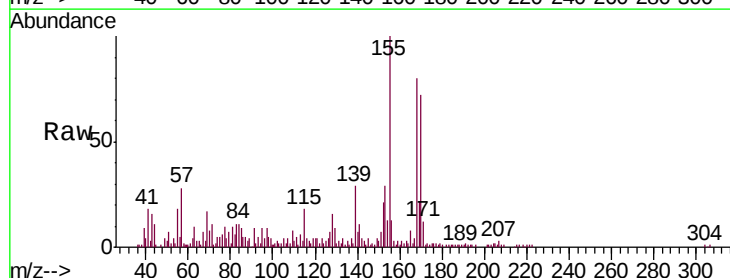
Acq: 22 Oct 2019 20:44

Tgt Ion:168 Resp: 105560

Ion Ratio Lower Upper

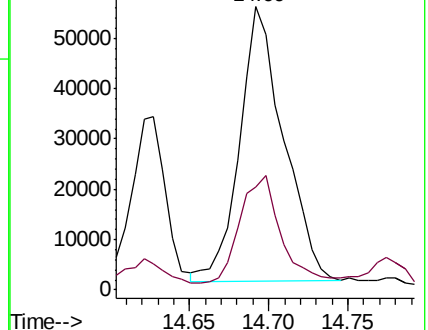
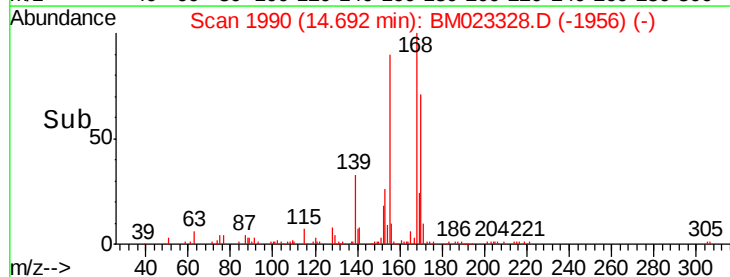
168 100

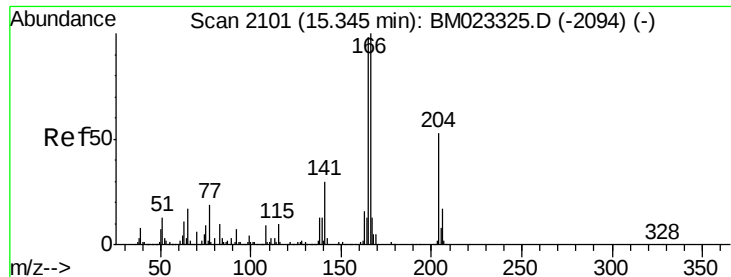
139 36.4 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

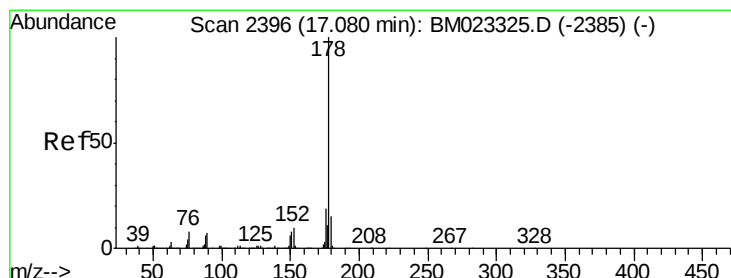
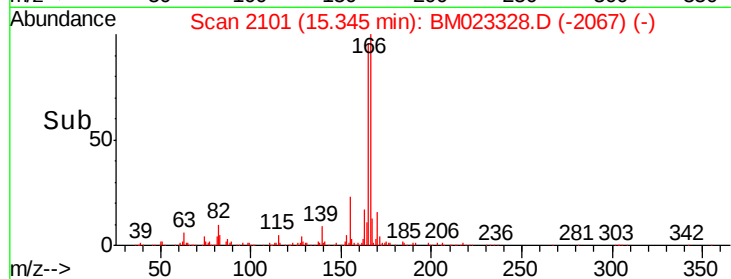
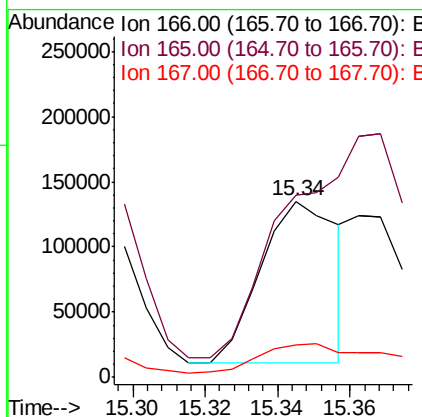
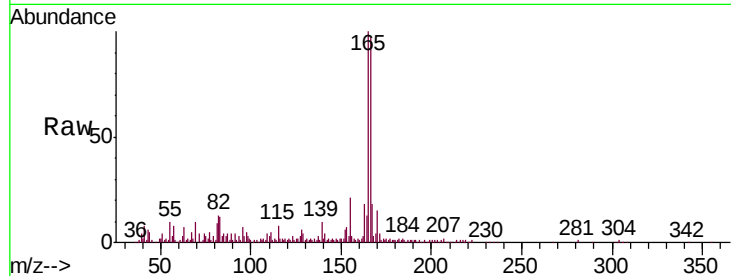




#59
Fluorene
 Concen: 2.304 ng/ul
 RT: 15.34 min Scan# 2101
 Delta R.T. -0.00 min
 Lab File: BM023328.D
 Acq: 22 Oct 2019 20:44

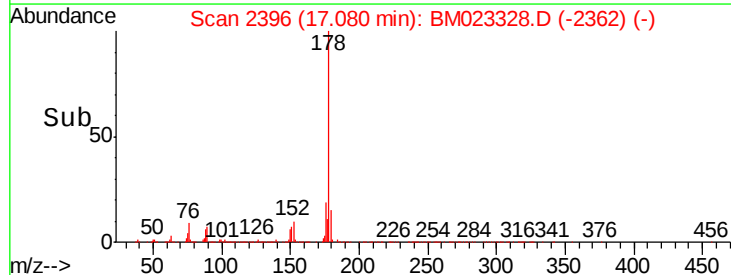
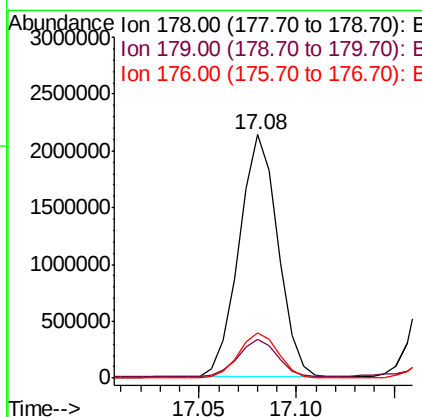
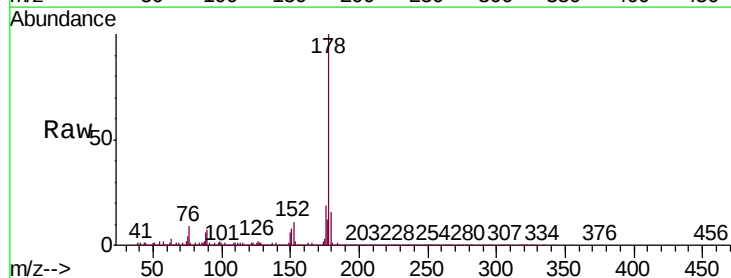
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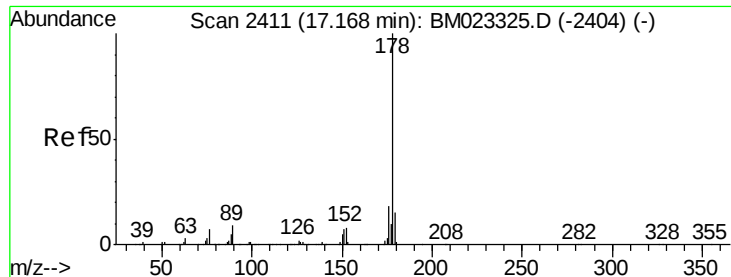
Tgt Ion:166 Resp: 183729
 Ion Ratio Lower Upper
 166 100
 165 103.6 78.3 117.5
 167 18.5 10.7 16.1#



#70
Phenanthrene
 Concen: 24.600 ng/ul
 RT: 17.08 min Scan# 2396
 Delta R.T. -0.00 min
 Lab File: BM023328.D
 Acq: 22 Oct 2019 20:44

Tgt Ion:178 Resp: 2951781
 Ion Ratio Lower Upper
 178 100
 179 16.0 11.7 17.5
 176 18.8 15.0 22.4





#72

Anthracene

Concen: 12.945 ng/ul

RT: 17.17 min Scan# 2411

Delta R.T. -0.00 min

Lab File: BM023328.D

Acq: 22 Oct 2019 20:44

Instrument :

BNA_M

ClientSampleId :

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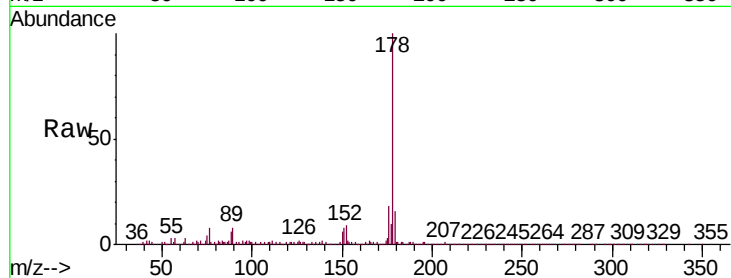
Tgt Ion:178 Resp: 1605127

Ion Ratio Lower Upper

178 100

179 15.9 12.5 18.7

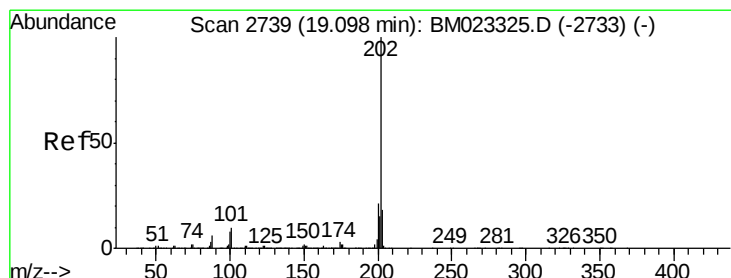
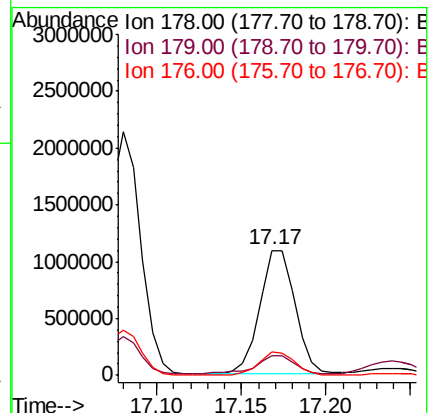
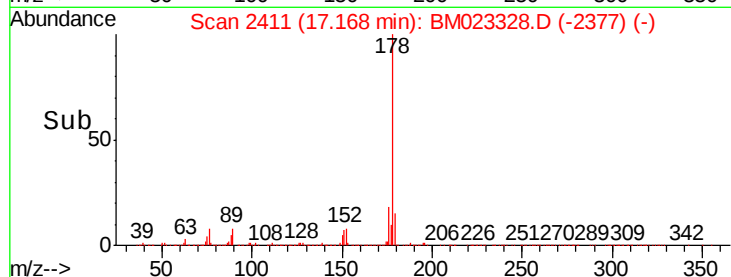
176 18.3 14.8 22.2



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: 49.223 ng/ul

RT: 19.10 min Scan# 2740

Delta R.T. 0.01 min

Lab File: BM023328.D

Acq: 22 Oct 2019 20:44

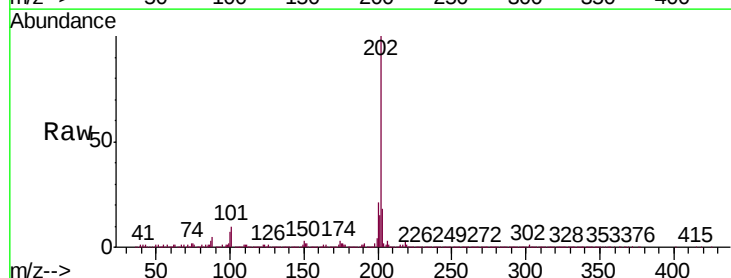
Tgt Ion:202 Resp: 7024299

Ion Ratio Lower Upper

202 100

101 9.9 8.2 12.4

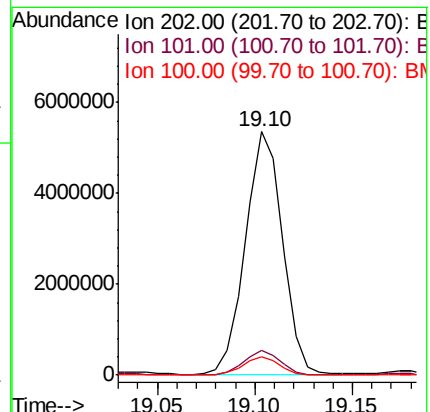
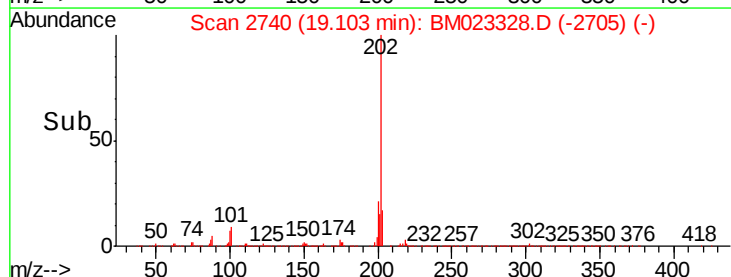
100 7.4 6.1 9.1

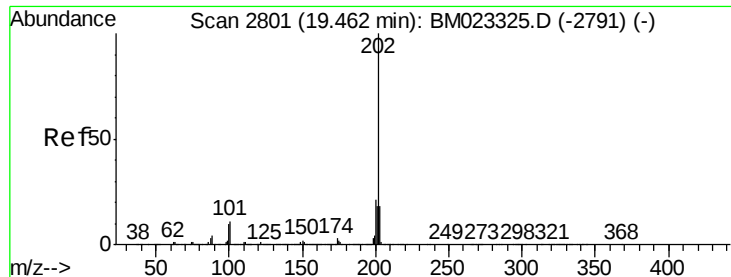


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

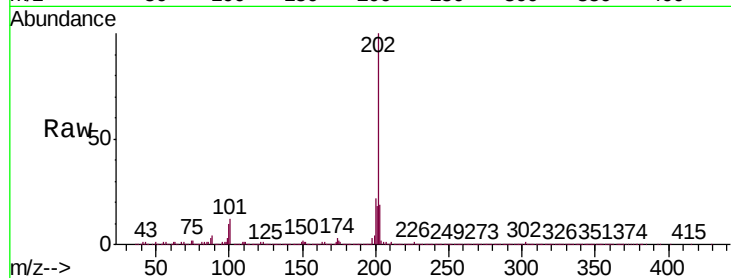




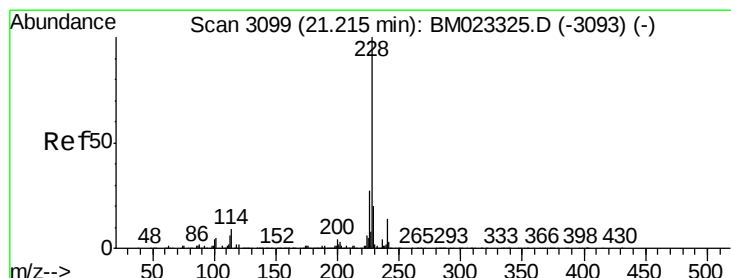
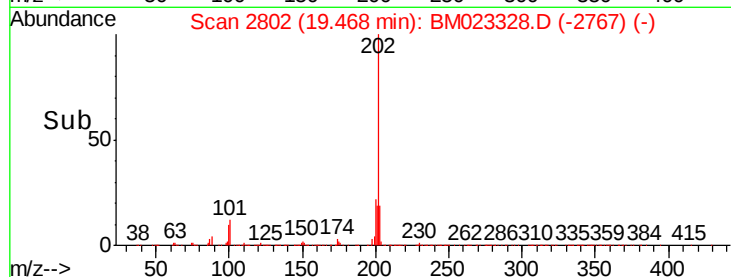
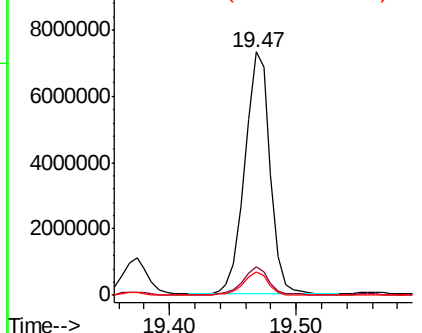
#80
 Pyrene
 Concen: 72.003 ng/ul
 RT: 19.47 min Scan# 2802
 Delta R.T. 0.01 min
 Lab File: BM023328.D
 Acq: 22 Oct 2019 20:44

Instrument :
 BNA_M
 ClientSampleId :
 BFB86

Tgt Ion:202 Resp:10108429
 Ion Ratio Lower Upper
 202 100
 101 11.6 9.0 13.6
 100 9.6 7.5 11.3

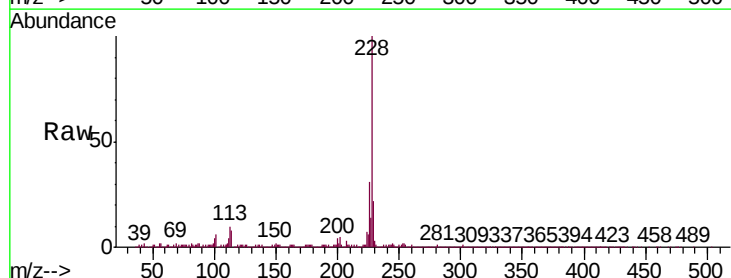


Abundance Ion 202.00 (201.70 to 202.70): E
 1e+07 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

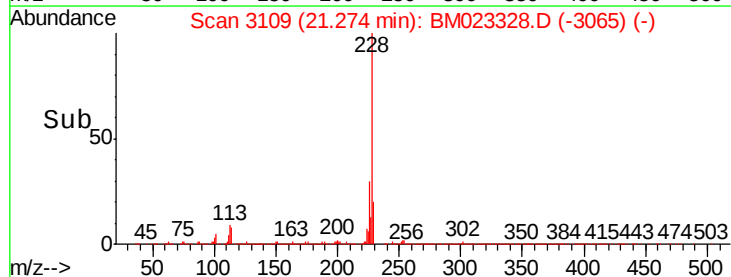
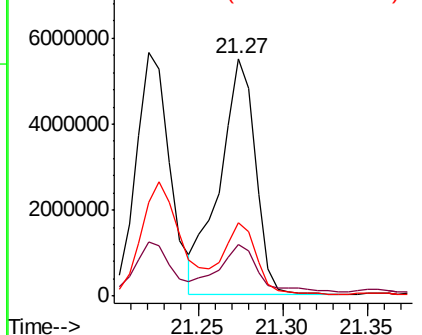


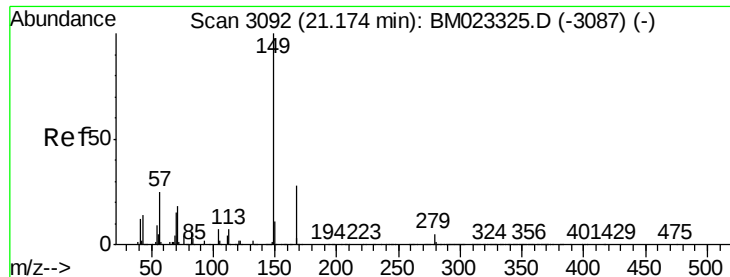
#83
 Benzo(a)anthracene
 Concen: 53.060 ng/ul
 RT: 21.27 min Scan# 3109
 Delta R.T. 0.06 min
 Lab File: BM023328.D
 Acq: 22 Oct 2019 20:44

Tgt Ion:228 Resp: 8056890
 Ion Ratio Lower Upper
 228 100
 229 21.9 15.8 23.8
 226 31.0 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

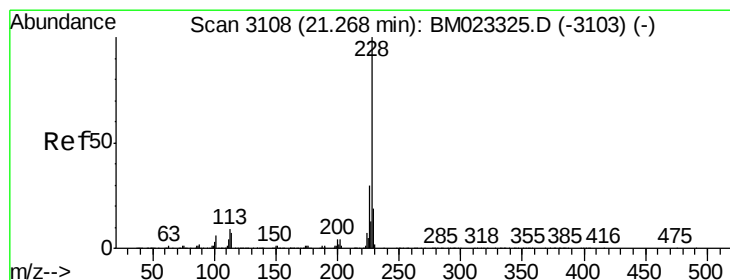
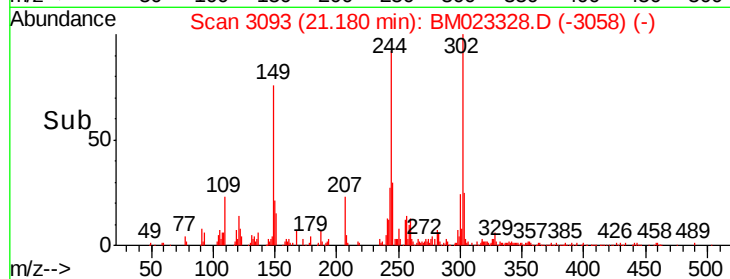
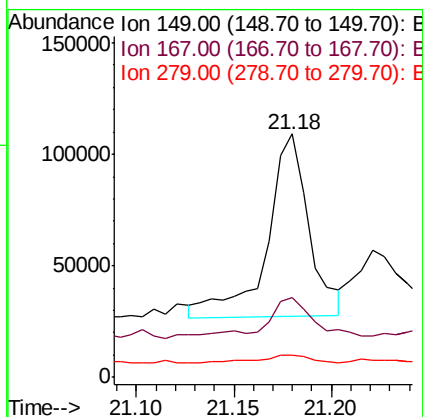
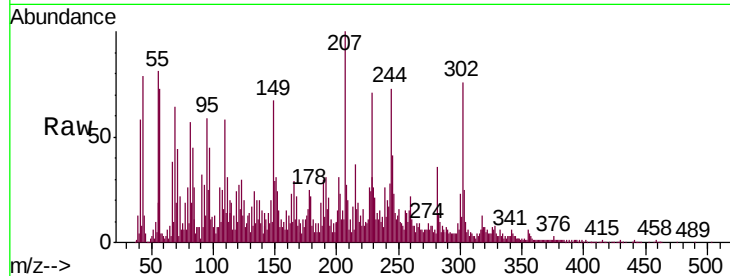




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 1.581 ng/ul
 RT: 21.18 min Scan# 3093
 Delta R.T. 0.01 min
 Lab File: BM023328.D
 Acq: 22 Oct 2019 20:44

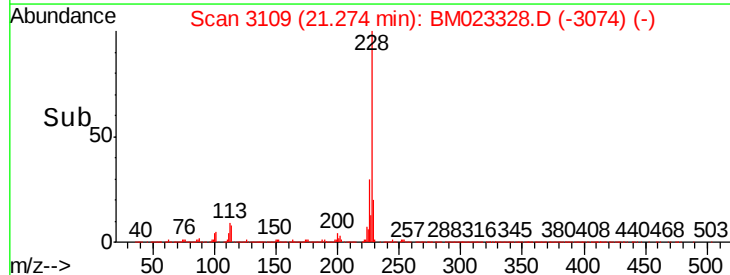
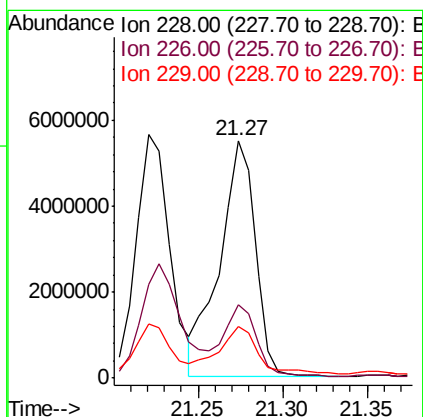
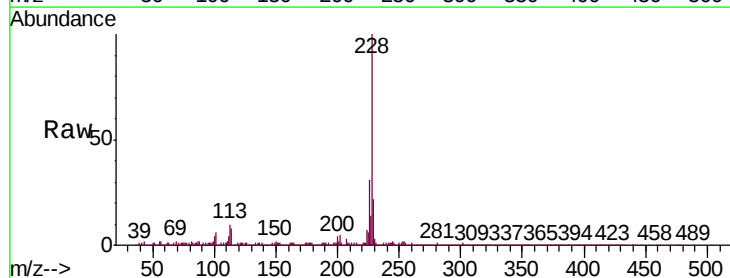
Instrument :
 BNA_M
 ClientSampled :
 BFB86

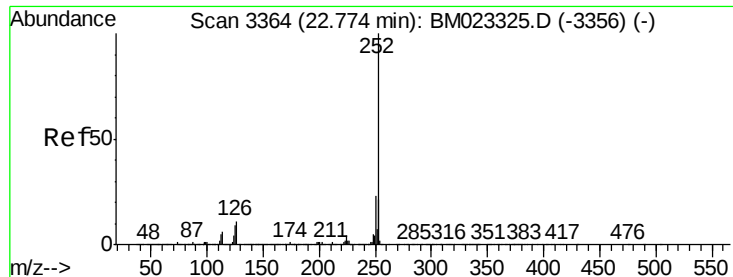
Tgt Ion:149 Resp: 122722
 Ion Ratio Lower Upper
 149 100
 167 32.9 22.1 33.1
 279 9.3 4.3 6.5#



#85
 Chrysene
 Concen: 57.058 ng/ul
 RT: 21.27 min Scan# 3109
 Delta R.T. 0.01 min
 Lab File: BM023328.D
 Acq: 22 Oct 2019 20:44

Tgt Ion:228 Resp: 8044815
 Ion Ratio Lower Upper
 228 100
 226 31.0 23.4 35.0
 229 21.9 15.5 23.3





#88

Benzo(b)fluoranthene

Concen: 53.106 ng/u1

RT: 22.80 min Scan# 3368

Delta R.T. 0.02 min

Lab File: BM023328.D

Acq: 22 Oct 2019 20:44

Instrument :

BNA_M

ClientSampleId :

BFB86

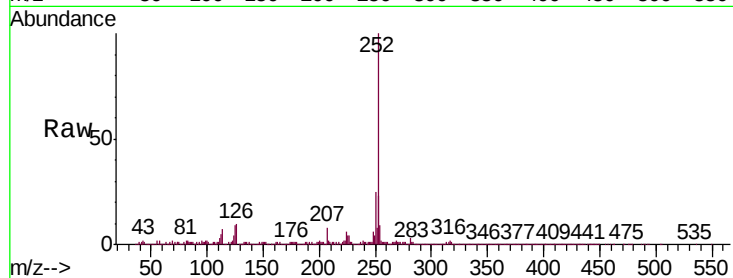
Tgt Ion:252 Resp: 9519708

Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

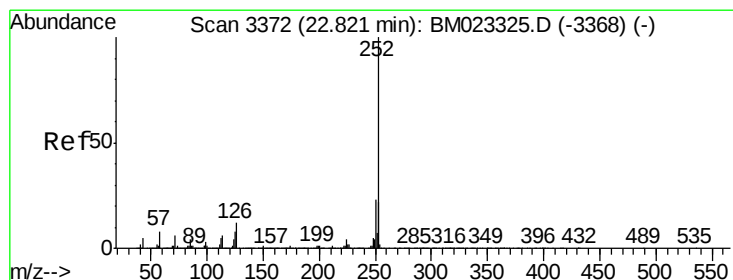
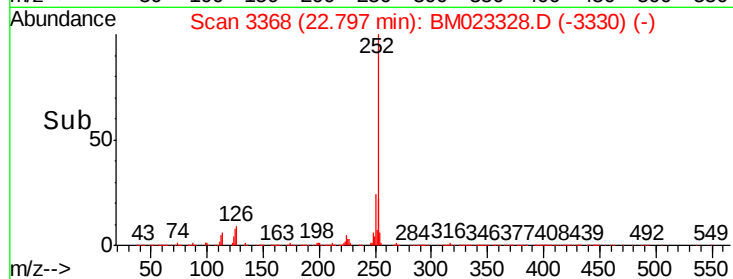
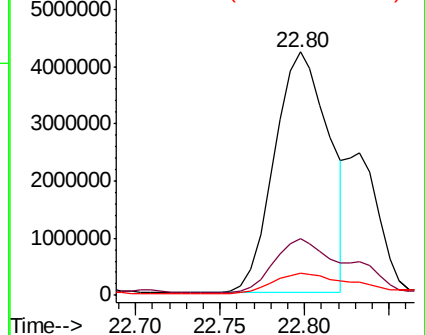
125 8.9 7.0 10.4



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: 55.307 ng/u1

RT: 22.80 min Scan# 3368

Delta R.T. -0.02 min

Lab File: BM023328.D

Acq: 22 Oct 2019 20:44

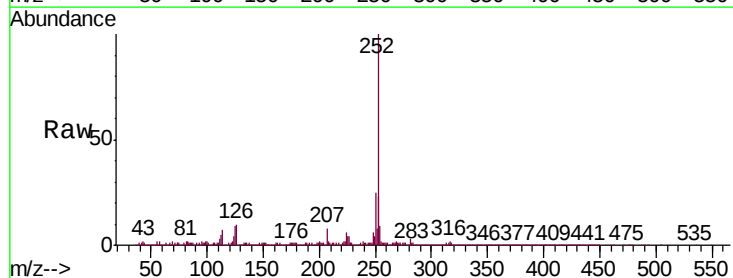
Tgt Ion:252 Resp: 9519708

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

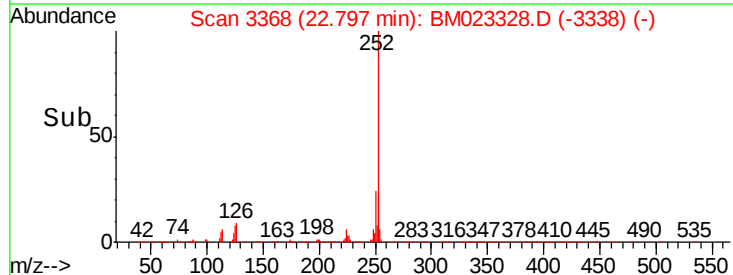
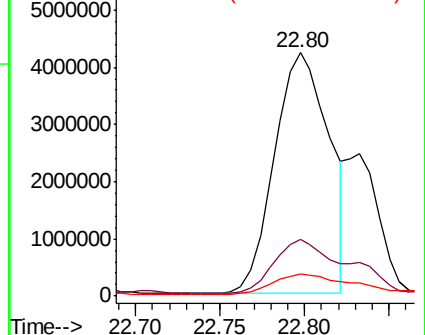
125 8.9 6.6 9.8

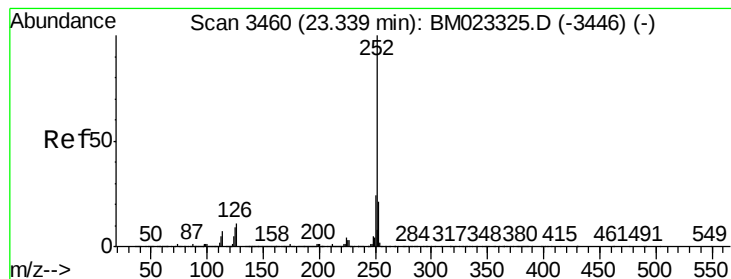


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 49.791 ng/ul

RT: 23.36 min Scan# 3464

Delta R.T. 0.02 min

Lab File: BM023328.D

Acq: 22 Oct 2019 20:44

Instrument :

BNA_M

ClientSampleId :

BFB86

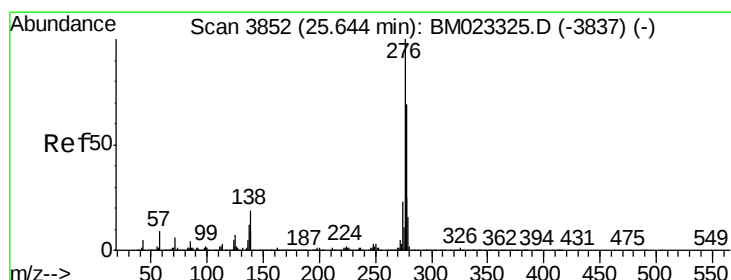
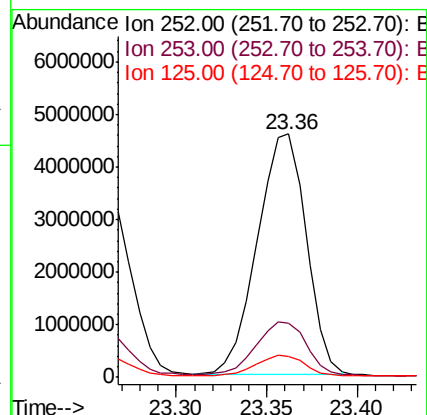
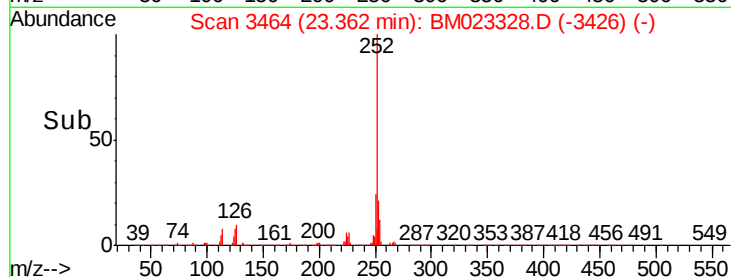
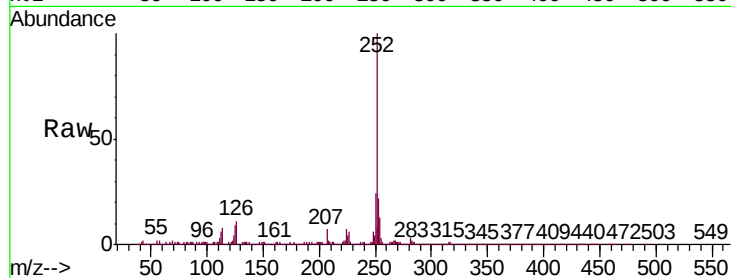
Tgt Ion:252 Resp: 8563129

Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.6

125 8.7 7.1 10.7



#92

Indeno(1,2,3-cd)pyrene

Concen: 3.601 ng/ul

RT: 25.43 min Scan# 3816

Delta R.T. -0.21 min

Lab File: BM023328.D

Acq: 22 Oct 2019 20:44

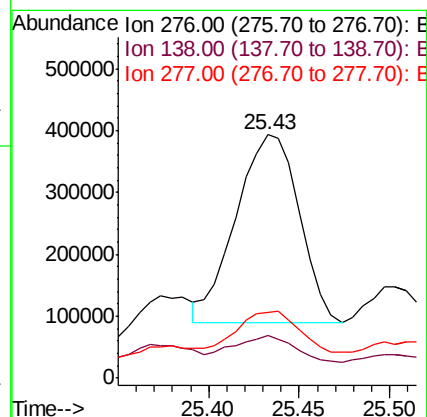
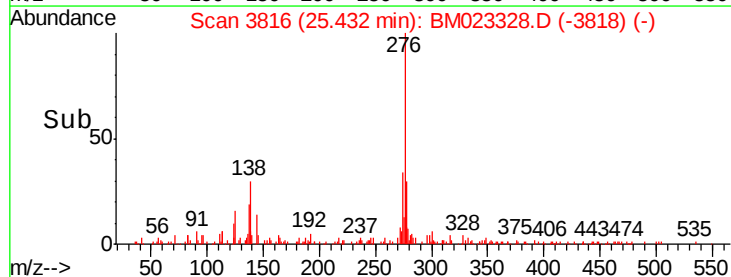
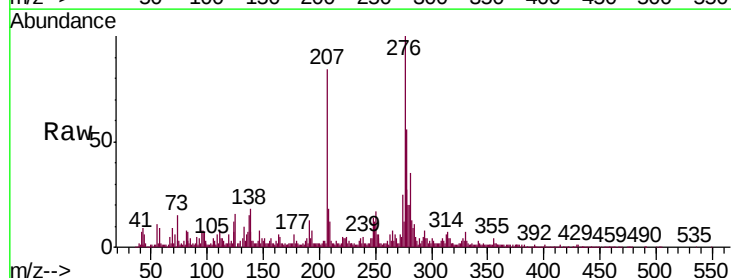
Tgt Ion:276 Resp: 736669

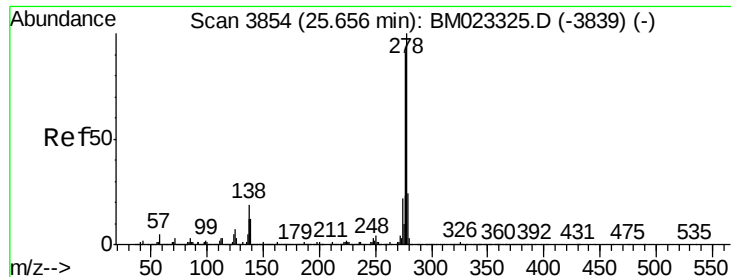
Ion Ratio Lower Upper

276 100

138 17.5 15.8 23.6

277 27.1 19.8 29.8





#93

Dibenzo(a,h)anthracene

Concen: 9.641 ng/ul

RT: 25.67 min Scan# 3857

Delta R.T. 0.02 min

Lab File: BM023328.D

Acq: 22 Oct 2019 20:44

Instrument :

BNA_M

ClientSampleId :

BFB86

Tgt Ion:278 Resp: 1649199

Ion Ratio Lower Upper

278 100

139 15.4 10.5 15.7

279 27.7 19.7 29.5

