

Data File : BM022311.D
Acq On : 25 Aug 2019 02:57
Operator : HP/JU
Sample : K4373-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD4

Quant Time: Aug 26 01:36:14 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 26 01:32:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	39986	20.00	ng/ul	0.00
18) Naphthalene-d8	10.33	136	182940	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.21	164	131767	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.97	188	309437	20.00	ng/ul	0.00
77) Chrysene-d12	21.18	240	325711	20.00	ng/ul	0.00
85) Perylene-d12	23.37	264	278728	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	4146	4.64	ng/uL	0.00
5) Phenol-d5	6.75	99	21380	6.20	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.91	67	56484	28.14	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	70085	25.15	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	47295	15.81	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	44830	32.87	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	54859	34.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.97	165	102054	31.58	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	16504	4.20	ng/ul	0.01
43) Dimethylphthalate-d6	13.64	166	385322	33.21	ng/ul	0.00
46) Acenaphthylene-d8	13.90	160	403205	32.26	ng/ul	0.00
51) 4-Nitrophenol-d4	14.50	143	12022	6.99	ng/ul	0.03
57) Fluorene-d10	15.22	176	334788	34.79	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	56144	23.51	ng/ul	0.00
70) Anthracene-d10	17.07	188	590098	36.01	ng/ul	0.00
78) Pyrene-d10	19.39	212	748317	44.21	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.24	264	548214	35.80	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	6.78	94	4579	1.239 ng/ul#	73
17) Hexachloroethane	8.63	117	2335	1.647 ng/ul#	1
21) Isophorone	9.43	82	7461	1.019 ng/ul#	73
24) 2,4-Dimethylphenol	9.56	107	22167	5.421 ng/ul#	90
28) Naphthalene	10.39	128	3191521	316.124 ng/ul	99
30) 4-Chloroaniline	10.39	127	429365	104.946 ng/ul#	6
34) 2-Methylnaphthalene	12.00	142	110643	14.224 ng/ul	99
40) 1,1'-Biphenyl	13.03	154	74661	6.962 ng/ul	96
44) Dimethylphthalate	13.69	163	43627	3.695 ng/ul	99
47) Acenaphthylene	13.93	152	49662	3.832 ng/ul#	86
48) 3-Nitroaniline	14.29	138	2429	1.258 ng/ul#	16
49) Acenaphthene	14.29	153	1819041	197.686 ng/ul	99
53) Dibenzofuran	14.62	168	1134369	82.770 ng/ul	94
58) Fluorene	15.27	166	587476	50.893 ng/ul	99
69) Phenanthrene	17.02	178	1542643	83.332 ng/ul	99
71) Anthracene	17.11	178	241281	12.525 ng/ul	100
74) Carbazole	17.40	167	276777	15.907 ng/ul	99
76) Fluoranthene	19.05	202	709993	25.451 ng/ul	98
79) Pyrene	19.42	202	455500	21.606 ng/ul	97
82) Benzo(a)anthracene	21.17	228	87664	3.576 ng/ul	96
84) Chrysene	21.22	228	62374	2.721 ng/ul	96
87) Benzo(b)fluoranthene	22.72	252	45235	2.333 ng/ul#	91
90) Benzo(a)pyrene	23.28	252	26598	1.439 ng/ul#	89

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM082319\
Quantitation Report (Not Reviewed)

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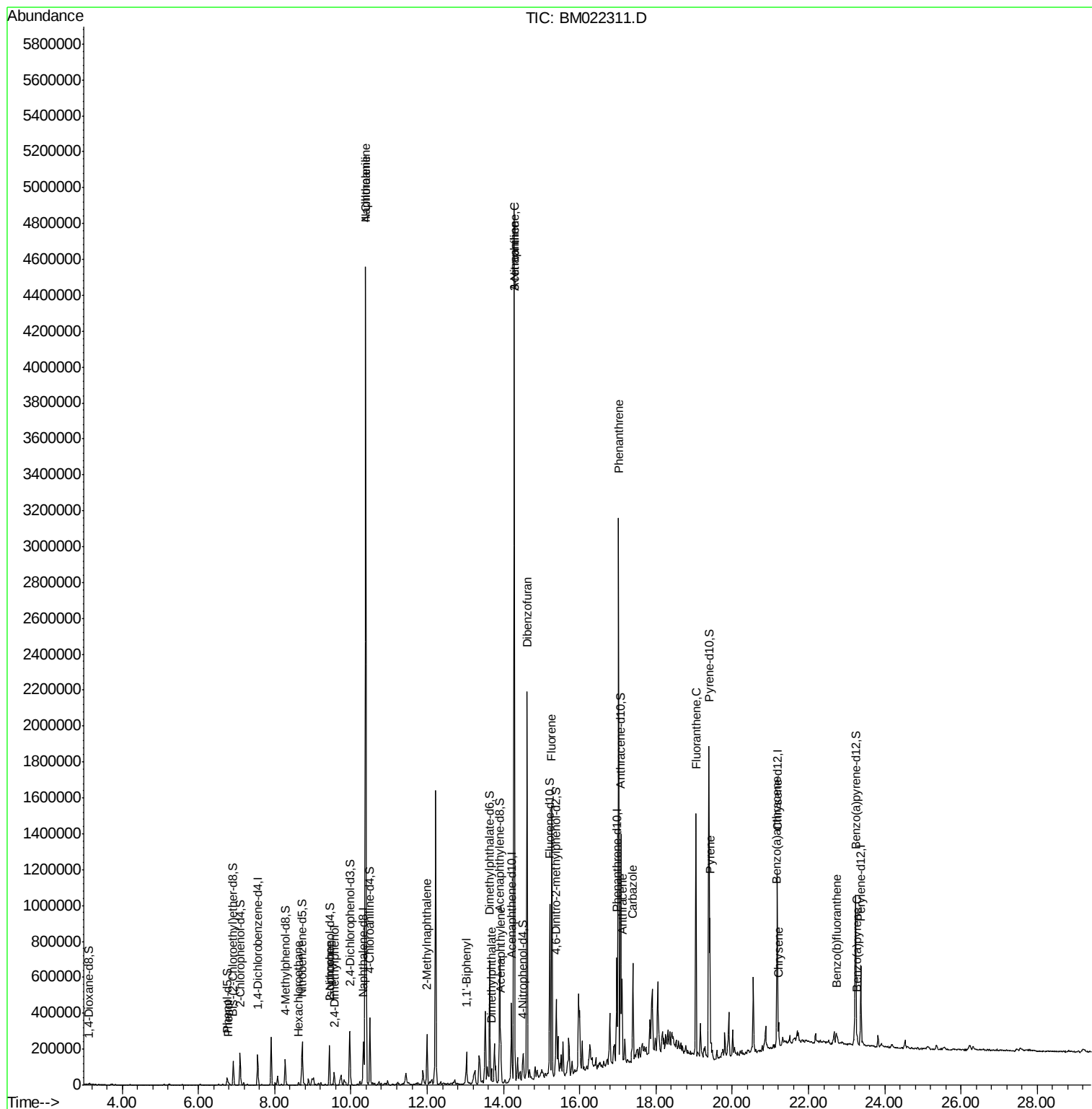
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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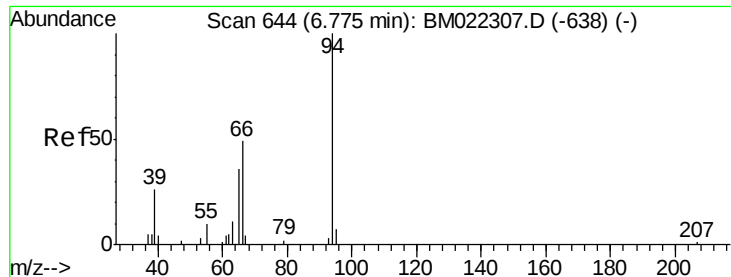
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.239 ng/ul

RT: 6.78 min Scan# 645

Delta R.T. 0.01 min

Lab File: BM022311.D

Acq: 25 Aug 2019 02:57

Instrument :

BNA_M

ClientSampleId :

C0AD4

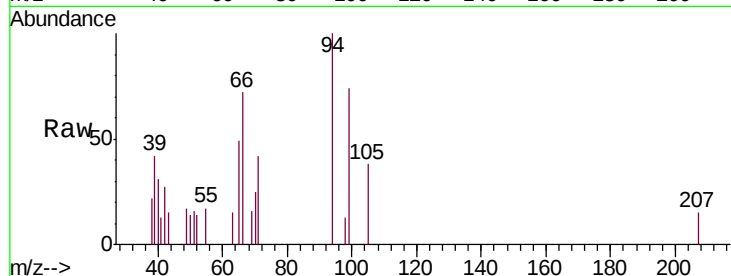
Tgt Ion: 94 Resp: 4579

Ion Ratio Lower Upper

94 100

65 48.5 29.2 43.8#

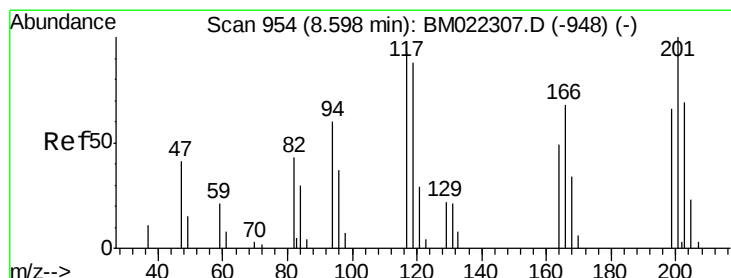
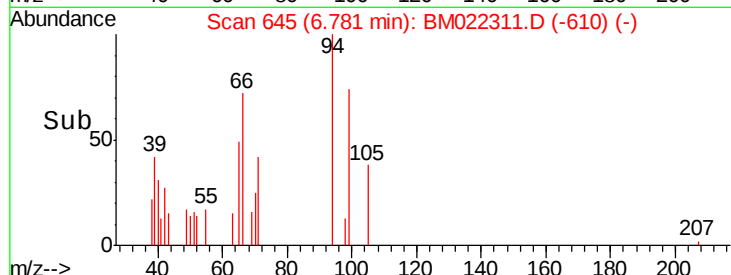
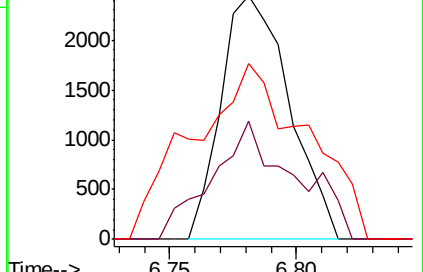
66 72.3 40.6 60.8#



Abundance Ion 94.00 (93.70 to 94.70): BM022307.D (-638) (-)

Ion 65.00 (64.70 to 65.70): BM022307.D (-638) (-)

Ion 66.00 (65.70 to 66.70): BM022307.D (-638) (-)



#17

Hexachloroethane

Concen: 1.647 ng/ul

RT: 8.63 min Scan# 959

Delta R.T. 0.03 min

Lab File: BM022311.D

Acq: 25 Aug 2019 02:57

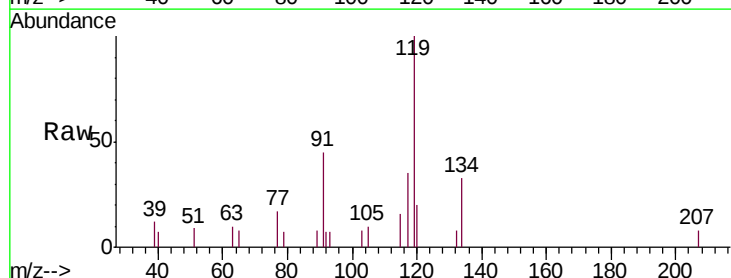
Tgt Ion: 117 Resp: 2335

Ion Ratio Lower Upper

117 100

201 0.0 95.9 143.9#

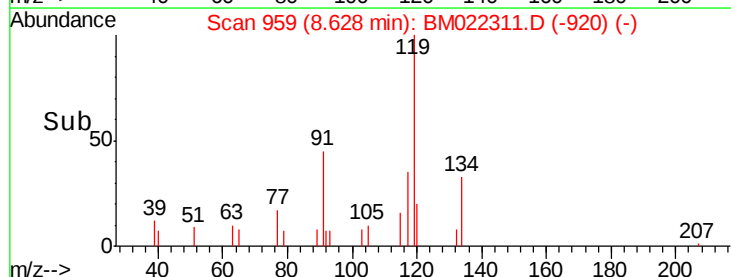
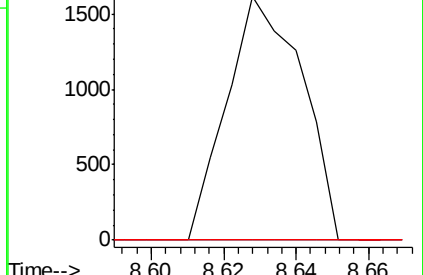
199 0.0 60.6 90.8#

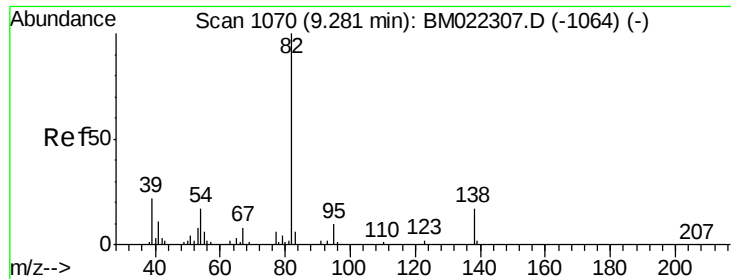


Abundance Ion 117.00 (116.70 to 117.70): BM022307.D (-948) (-)

Ion 201.00 (200.70 to 201.70): BM022307.D (-948) (-)

Ion 199.00 (198.70 to 199.70): BM022307.D (-948) (-)





#21

Isophorone

Concen: 1.019 ng/ul

RT: 9.43 min Scan# 1096

Delta R.T. 0.15 min

Lab File: BM022311.D

Acq: 25 Aug 2019 02:57

Instrument :

BNA_M

ClientSampleId :

C0AD4

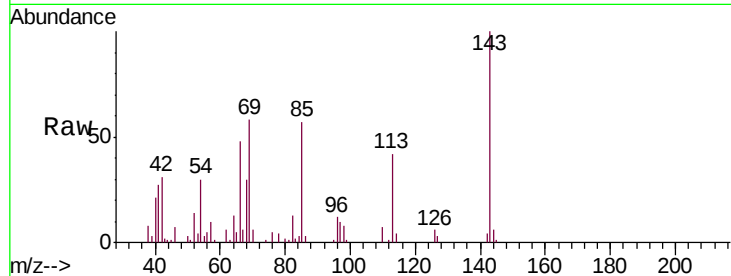
Tgt Ion: 82 Resp: 7461

Ion Ratio Lower Upper

82 100

95 7.8 7.2 10.8

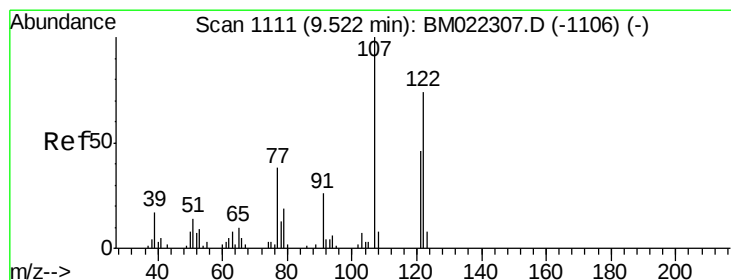
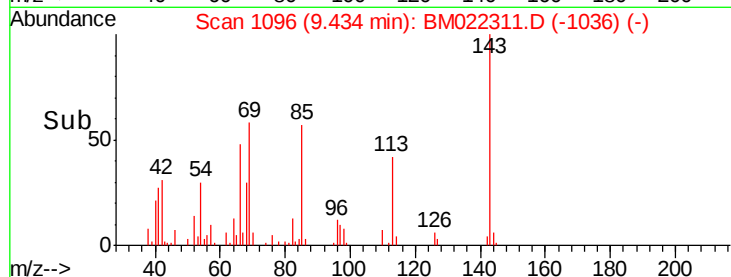
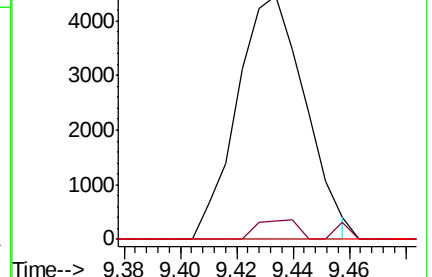
138 0.0 13.8 20.6#



Abundance Ion 82.00 (81.70 to 82.70): BM022307.D (-1064) (-)

Ion 95.00 (94.70 to 95.70): BM022307.D (-1064) (-)

Ion 138.00 (137.70 to 138.70): BM022307.D (-1064) (-)



#24

2,4-Dimethylphenol

Concen: 5.421 ng/ul

RT: 9.56 min Scan# 1118

Delta R.T. 0.04 min

Lab File: BM022311.D

Acq: 25 Aug 2019 02:57

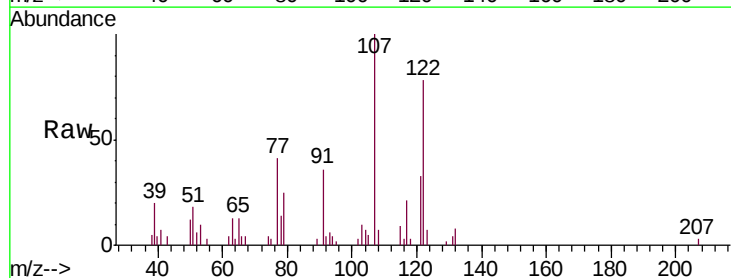
Tgt Ion: 107 Resp: 22167

Ion Ratio Lower Upper

107 100

121 33.0 33.6 50.4#

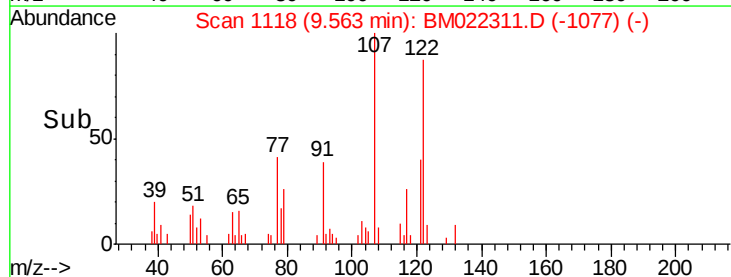
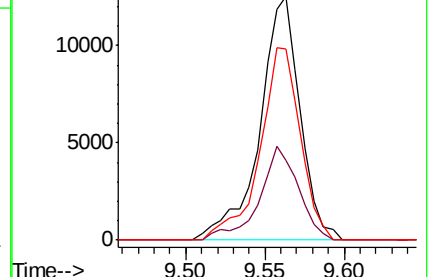
122 78.3 58.0 87.0

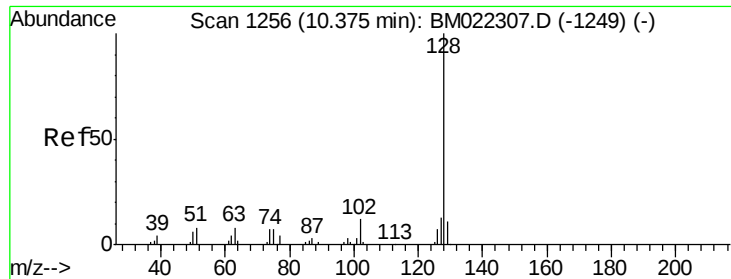


Abundance Ion 107.00 (106.70 to 107.70): BM022307.D (-1106) (-)

Ion 121.00 (120.70 to 121.70): BM022307.D (-1106) (-)

Ion 122.00 (121.70 to 122.70): BM022307.D (-1106) (-)





#28

Naphthalene

Concen: 316.124 ng/ul

RT: 10.39 min Scan# 1258

Delta R.T. 0.01 min

Lab File: BM022311.D

Acq: 25 Aug 2019 02:57

Instrument :

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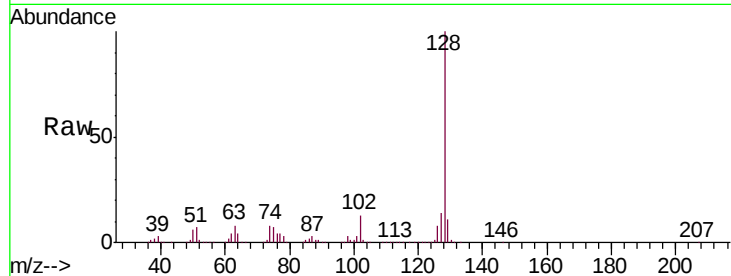
Tgt Ion:128 Resp: 3191521

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

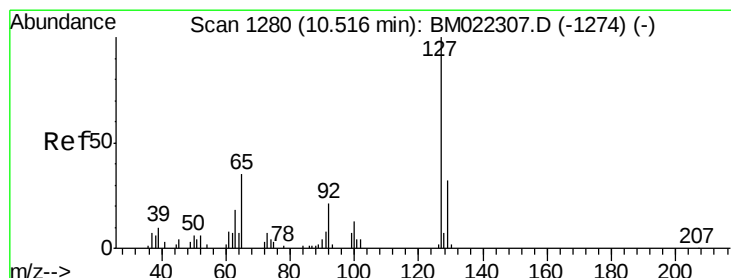
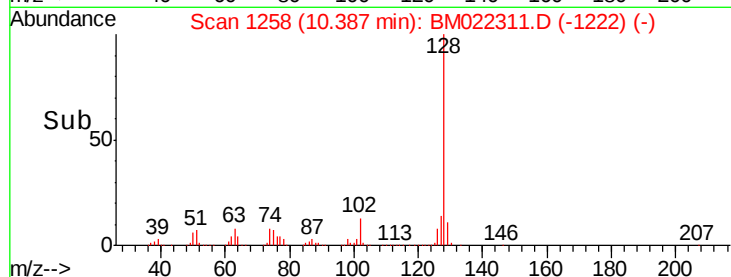
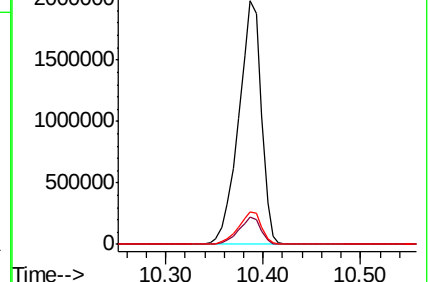
127 13.5 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#30

4-Chloroaniline

Concen: 104.946 ng/ul

RT: 10.39 min Scan# 1258

Delta R.T. -0.13 min

Lab File: BM022311.D

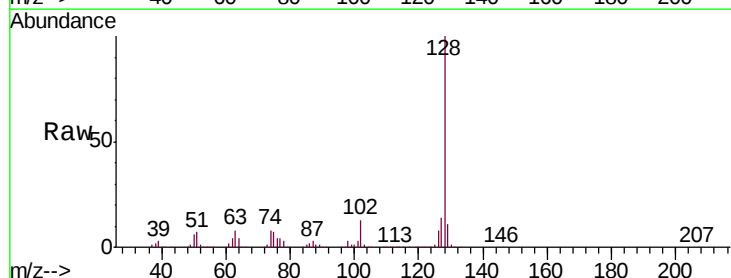
Acq: 25 Aug 2019 02:57

Tgt Ion:127 Resp: 429365

Ion Ratio Lower Upper

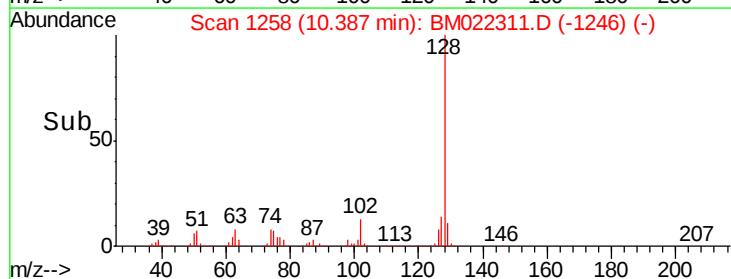
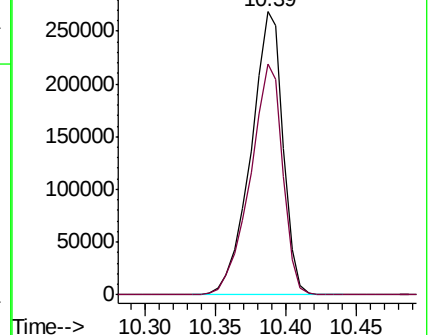
127 100

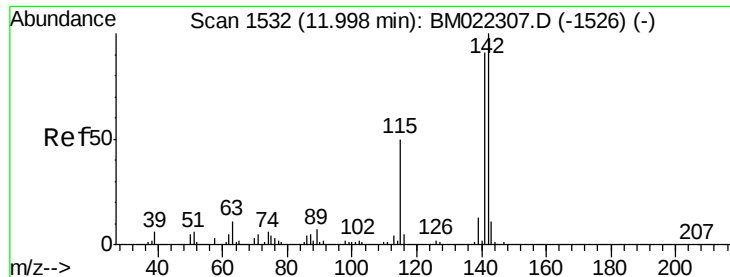
129 81.4 24.2 36.4#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

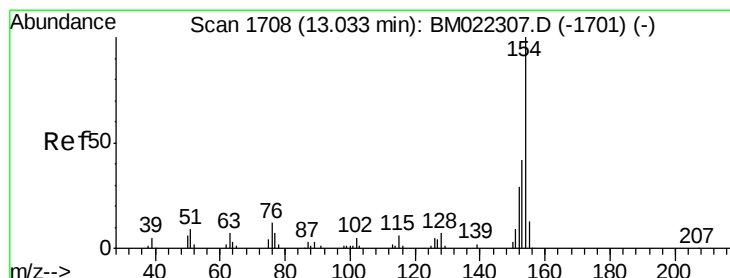
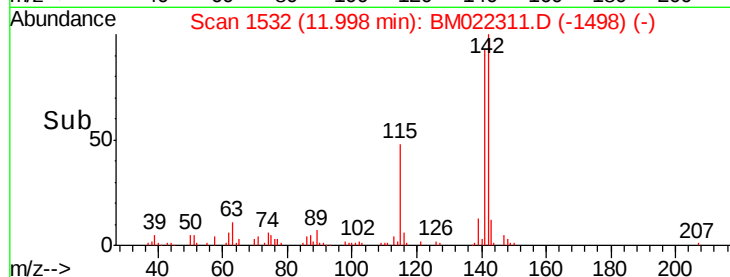
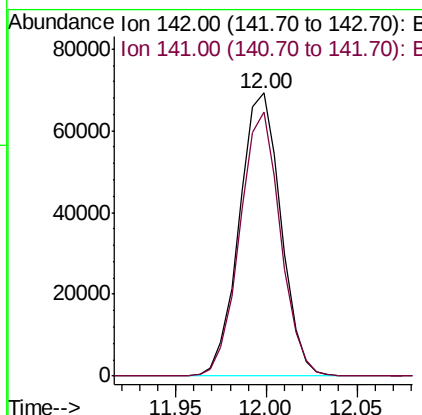
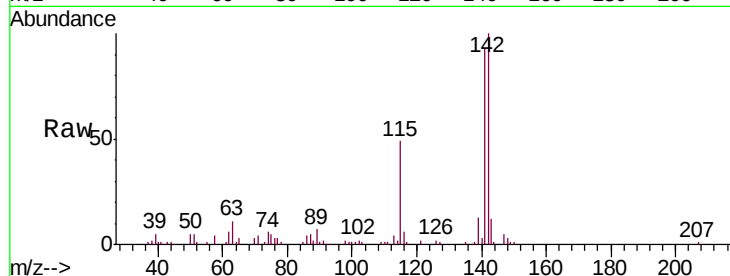




#34
 2-Methylnaphthalene
 Concen: 14.224 ng/ul
 RT: 12.00 min Scan# 1532
 Delta R.T. 0.00 min
 Lab File: BM022311.D
 Acq: 25 Aug 2019 02:57

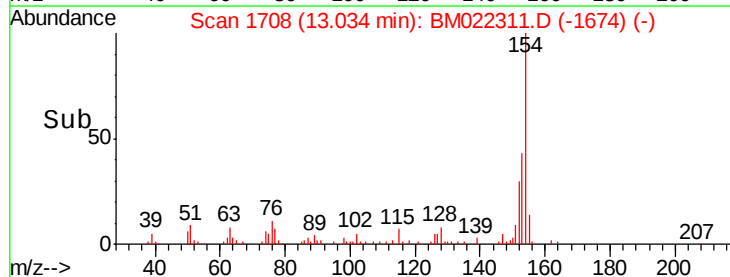
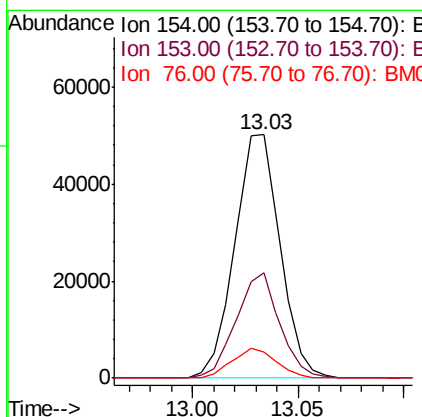
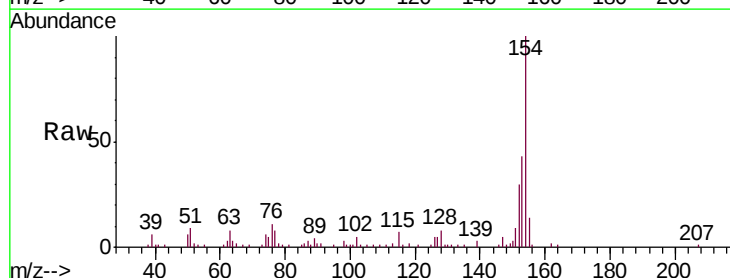
Instrument :
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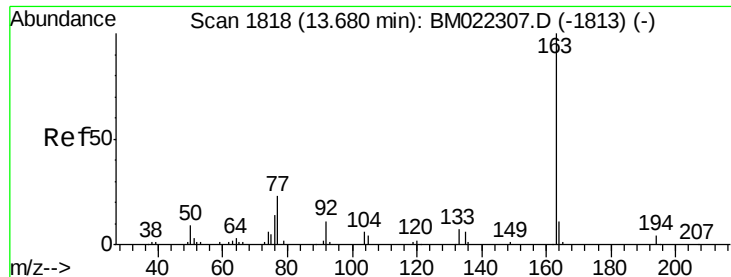
Tgt Ion:142 Resp: 110643
 Ion Ratio Lower Upper
 142 100
 141 93.2 75.1 112.7



#40
 1,1'-Biphenyl
 Concen: 6.962 ng/ul
 RT: 13.03 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: BM022311.D
 Acq: 25 Aug 2019 02:57

Tgt Ion:154 Resp: 74661
 Ion Ratio Lower Upper
 154 100
 153 43.1 32.5 48.7
 76 10.6 9.2 13.8





#44

Dimethylphthalate

Concen: 3.695 ng/ul

RT: 13.69 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BM022311.D

Acq: 25 Aug 2019 02:57

Instrument :

BNA_M

ClientSampleId :

C0AD4

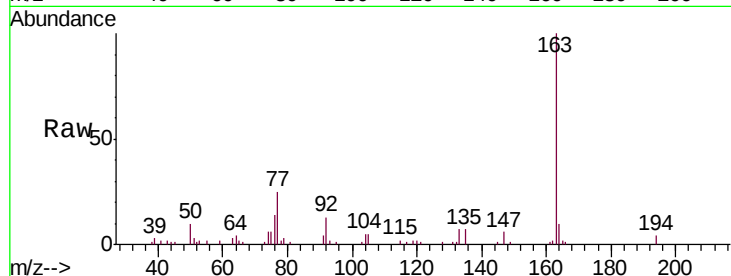
Tgt Ion:163 Resp: 43627

Ion Ratio Lower Upper

163 100

194 4.4 3.0 4.6

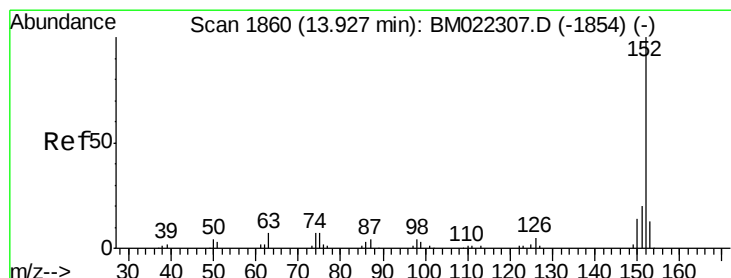
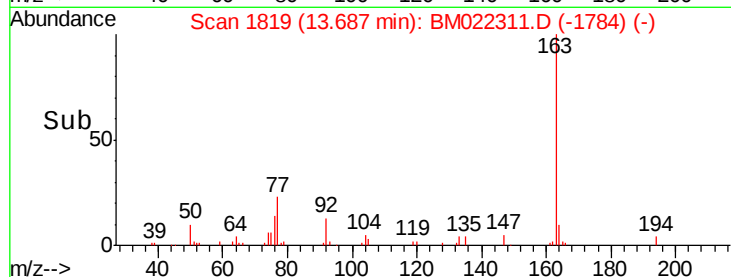
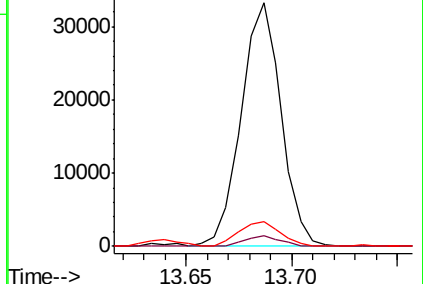
164 10.0 7.8 11.8



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



#47

Acenaphthylene

Concen: 3.832 ng/ul

RT: 13.93 min Scan# 1860

Delta R.T. 0.00 min

Lab File: BM022311.D

Acq: 25 Aug 2019 02:57

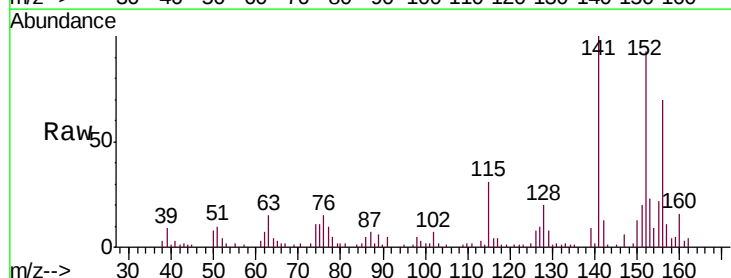
Tgt Ion:152 Resp: 49662

Ion Ratio Lower Upper

152 100

151 21.9 16.0 24.0

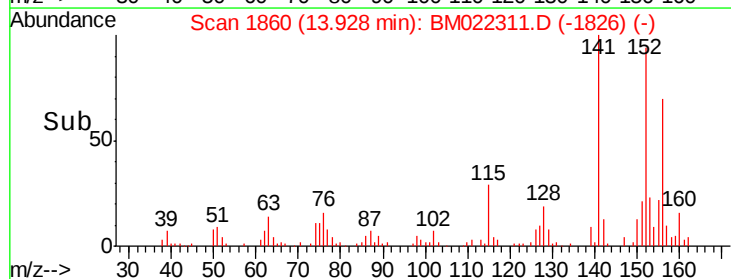
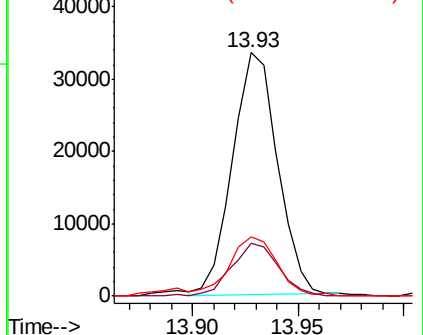
153 24.4 10.4 15.6#

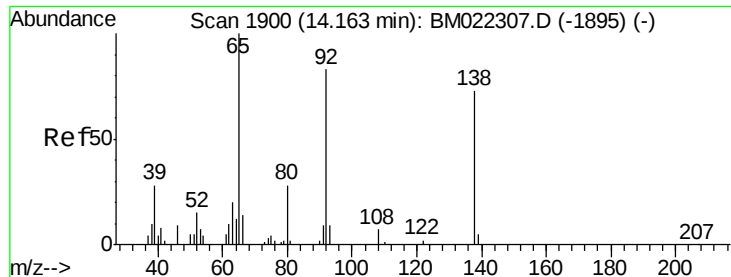


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#48

3-Nitroaniline

Concen: 1.258 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. 0.12 min

Lab File: BM022311.D

Acq: 25 Aug 2019 02:57

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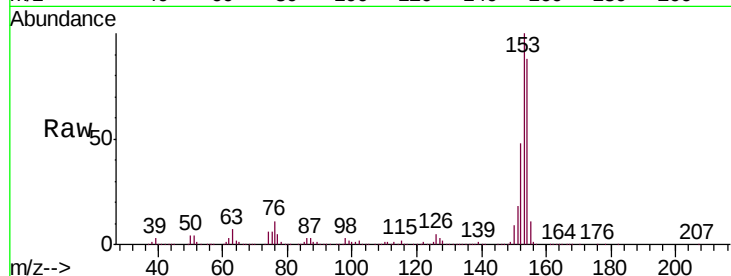
Tgt Ion:138 Resp: 2429

Ion Ratio Lower Upper

138 100

108 31.2 8.4 12.6#

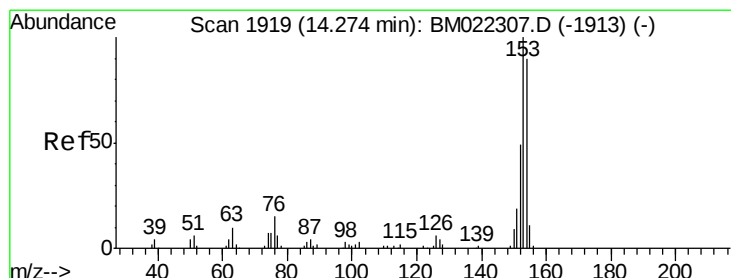
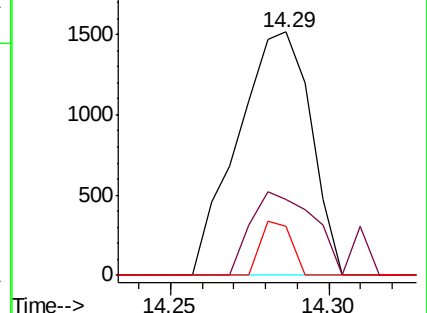
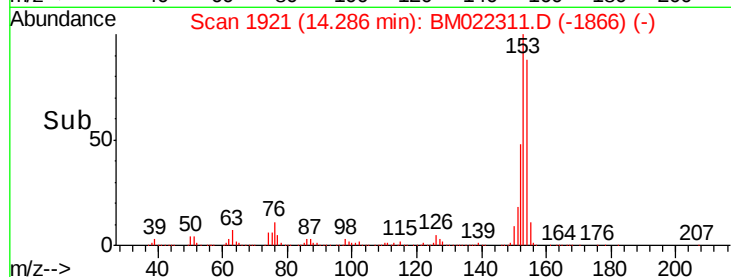
92 20.1 90.1 135.1#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM



#49

Acenaphthene

Concen: 197.686 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. 0.01 min

Lab File: BM022311.D

Acq: 25 Aug 2019 02:57

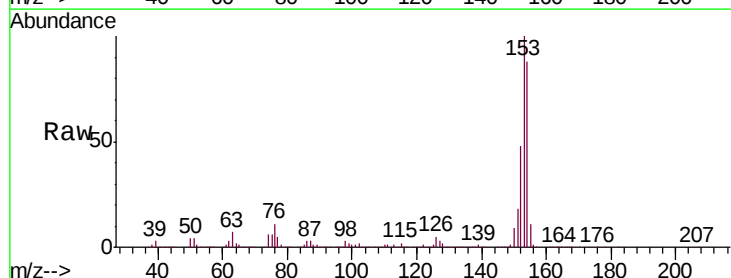
Tgt Ion:153 Resp: 1819041

Ion Ratio Lower Upper

153 100

152 48.1 38.6 58.0

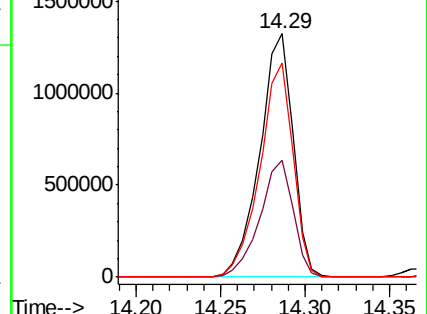
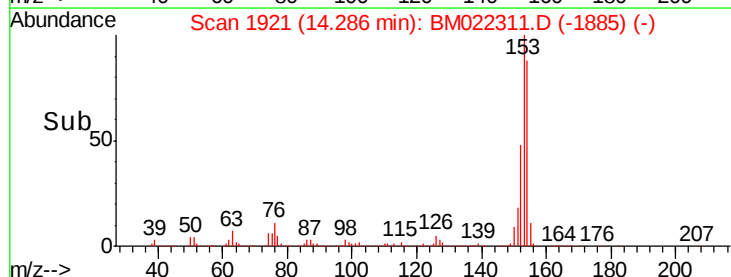
154 87.8 68.9 103.3

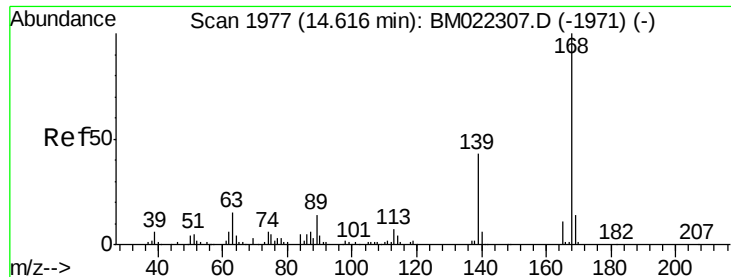


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzofuran

Concen: 82.770 ng/ul

RT: 14.62 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BM022311.D

Acq: 25 Aug 2019 02:57

Instrument :

BNA_M

ClientSampleId :

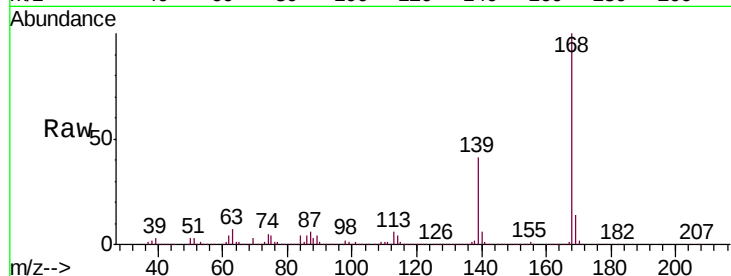
C0AD4

Tgt Ion:168 Resp: 1134369

Ion Ratio Lower Upper

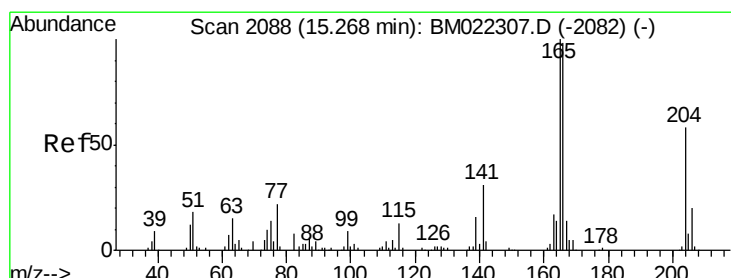
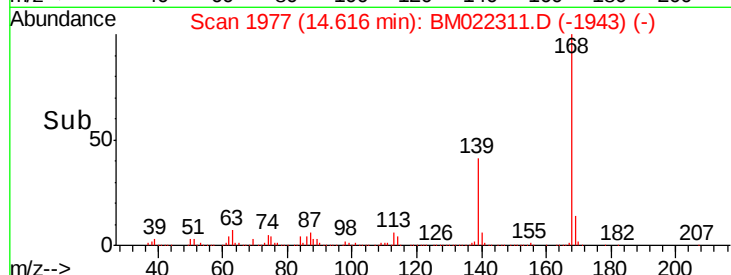
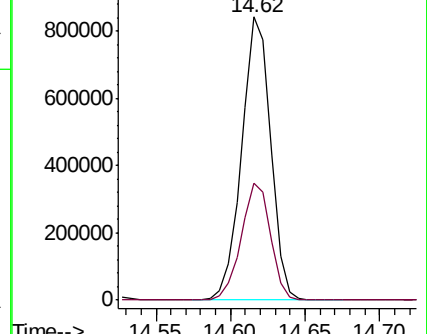
168 100

139 41.3 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: 50.893 ng/ul

RT: 15.27 min Scan# 2089

Delta R.T. 0.01 min

Lab File: BM022311.D

Acq: 25 Aug 2019 02:57

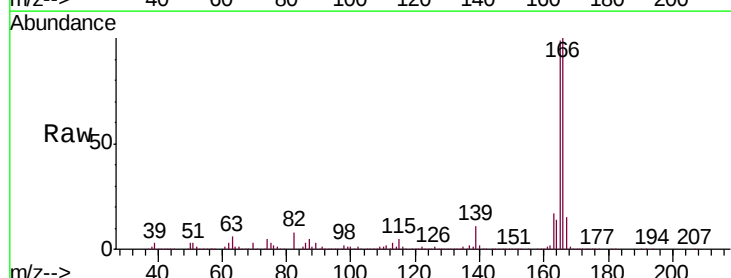
Tgt Ion:166 Resp: 587476

Ion Ratio Lower Upper

166 100

165 98.8 80.2 120.2

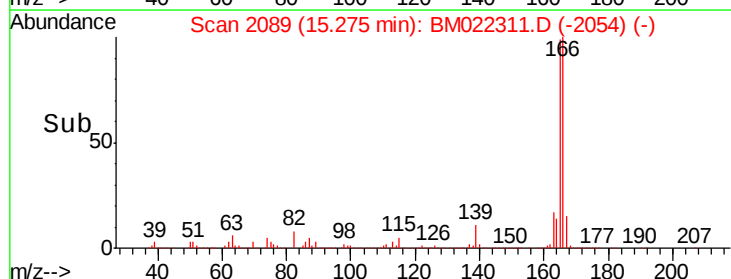
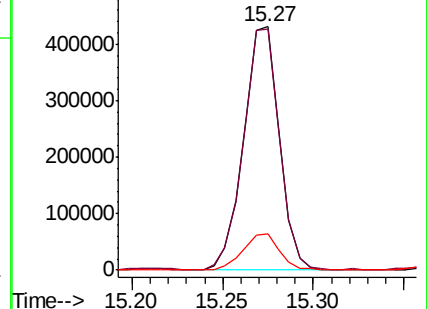
167 14.8 11.4 17.0

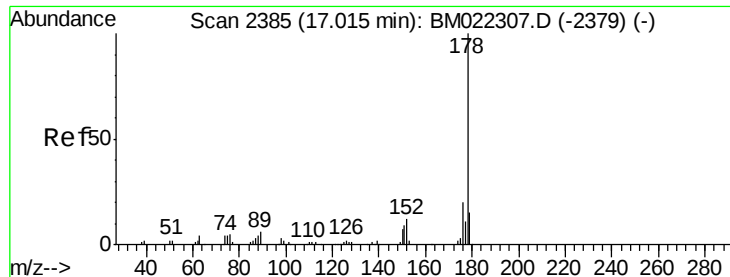


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 83.332 ng/ul

RT: 17.02 min Scan# 2386

Delta R.T. 0.01 min

Lab File: BM022311.D

Acq: 25 Aug 2019 02:57

Instrument :

BNA_M

ClientSampleId :

C0AD4

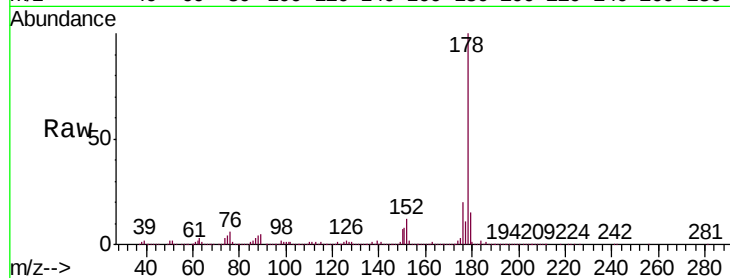
Tgt Ion:178 Resp: 1542643

Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

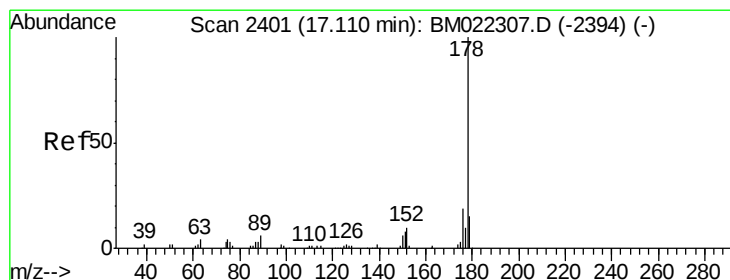
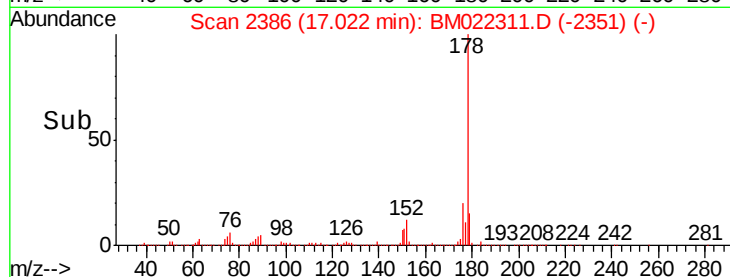
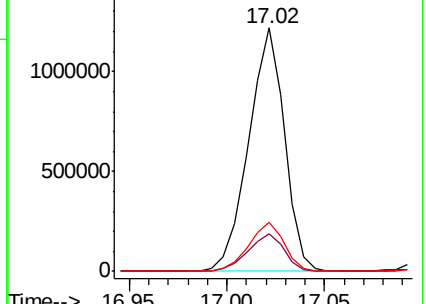
176 19.9 15.4 23.0



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: 12.525 ng/ul

RT: 17.11 min Scan# 2401

Delta R.T. 0.00 min

Lab File: BM022311.D

Acq: 25 Aug 2019 02:57

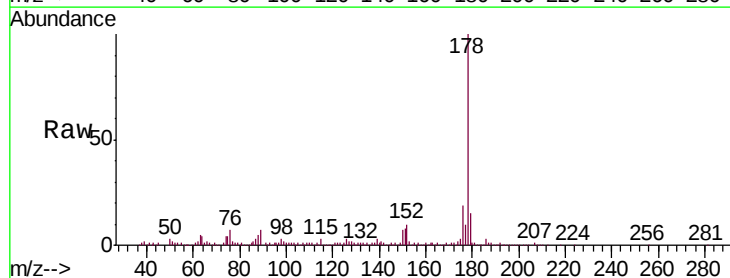
Tgt Ion:178 Resp: 241281

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

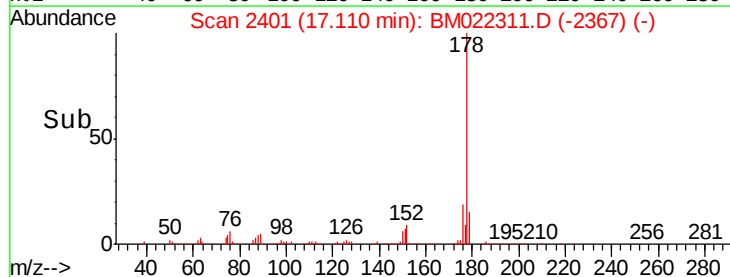
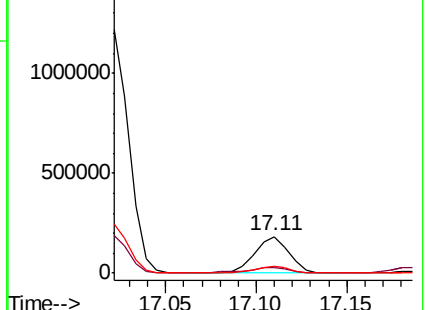
176 19.5 15.5 23.3

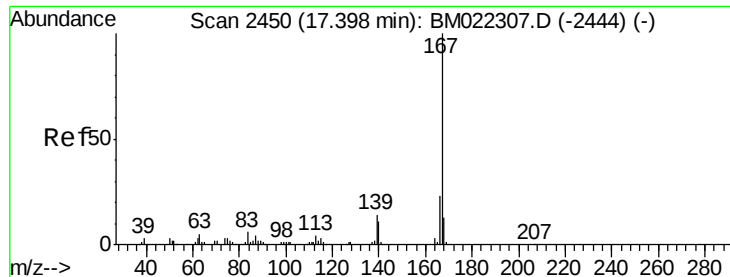


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 15.907 ng/ul

RT: 17.40 min Scan# 2450

Delta R.T. 0.00 min

Lab File: BM022311.D

Acq: 25 Aug 2019 02:57

Instrument :

BNA_M

ClientSampleId :

C0AD4

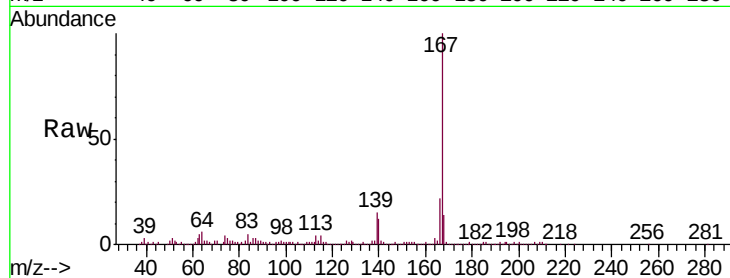
Tgt Ion:167 Resp: 276777

Ion Ratio Lower Upper

167 100

166 21.9 17.8 26.8

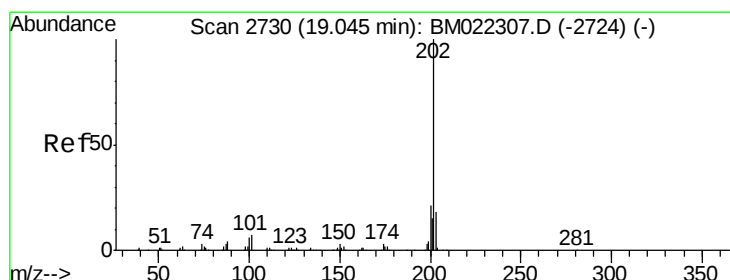
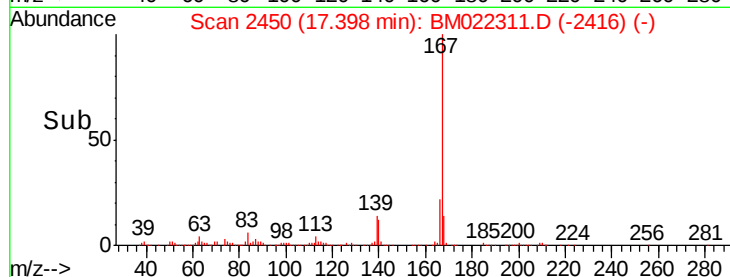
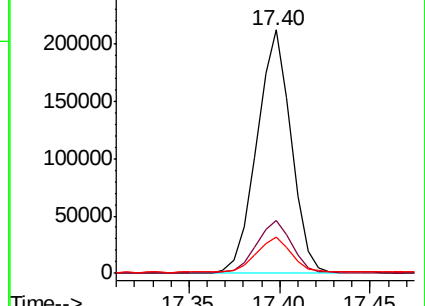
139 14.6 11.8 17.8



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: 25.451 ng/ul

RT: 19.05 min Scan# 2731

Delta R.T. 0.01 min

Lab File: BM022311.D

Acq: 25 Aug 2019 02:57

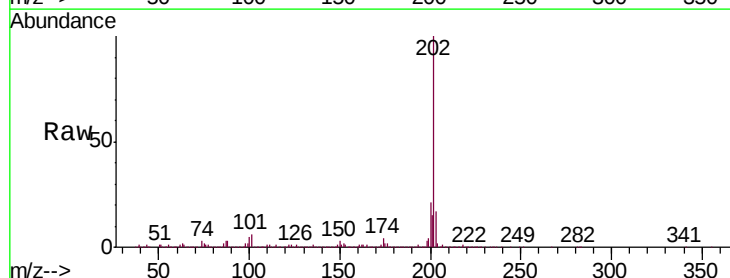
Tgt Ion:202 Resp: 709993

Ion Ratio Lower Upper

202 100

101 6.1 5.3 7.9

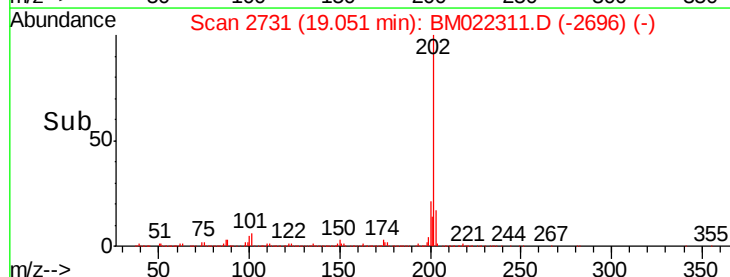
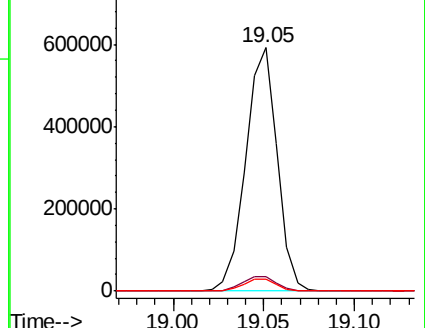
100 4.7 4.6 6.8

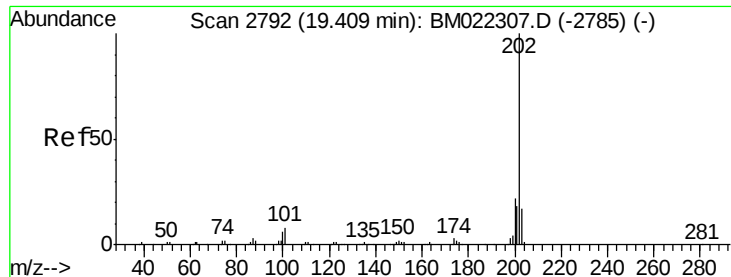


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#79

Pyrene

Concen: 21.606 ng/ul

RT: 19.42 min Scan# 2793

Delta R.T. 0.01 min

Lab File: BM022311.D

Acq: 25 Aug 2019 02:57

Instrument :

BNA_M

ClientSampleId :

C0AD4

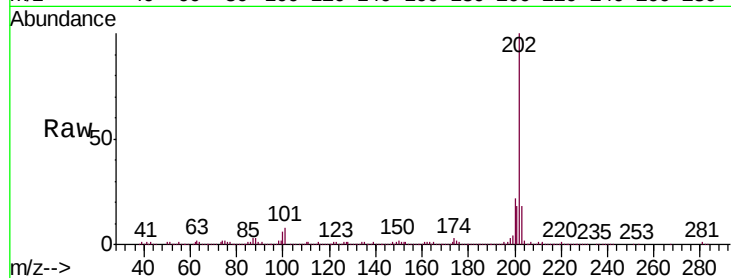
Tgt Ion:202 Resp: 455500

Ion Ratio Lower Upper

202 100

101 7.7 7.0 10.4

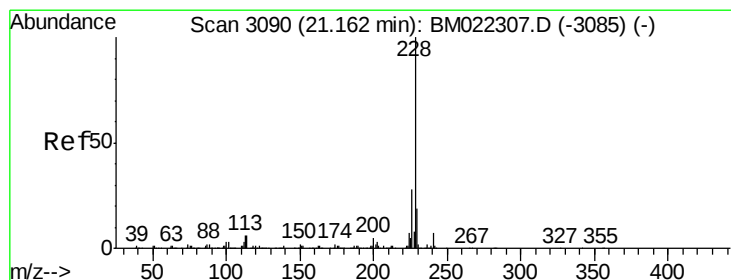
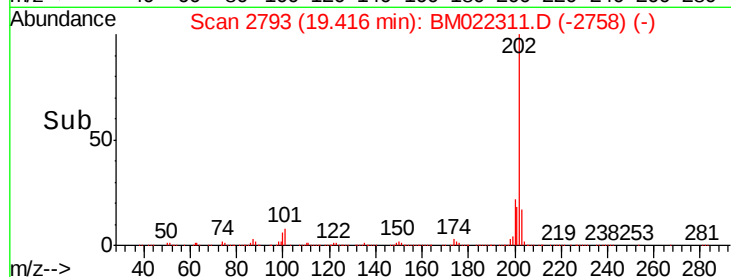
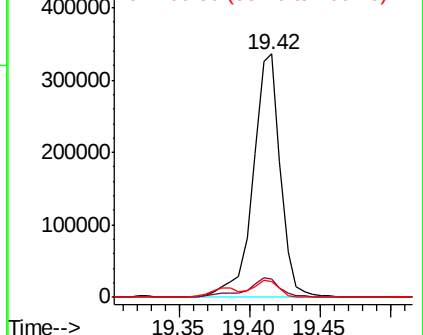
100 6.4 5.8 8.8



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



#82

Benzo(a)anthracene

Concen: 3.576 ng/ul

RT: 21.17 min Scan# 3091

Delta R.T. 0.01 min

Lab File: BM022311.D

Acq: 25 Aug 2019 02:57

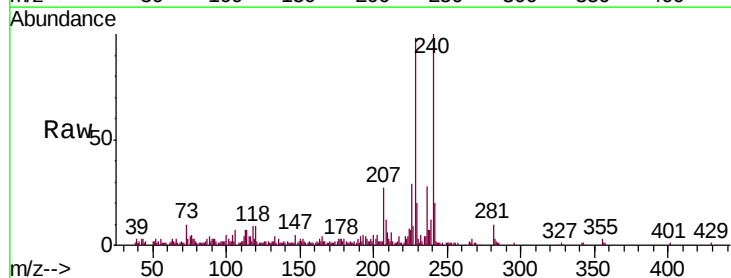
Tgt Ion:228 Resp: 87664

Ion Ratio Lower Upper

228 100

229 20.9 15.2 22.8

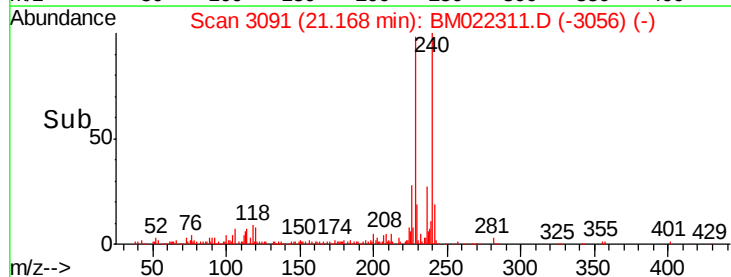
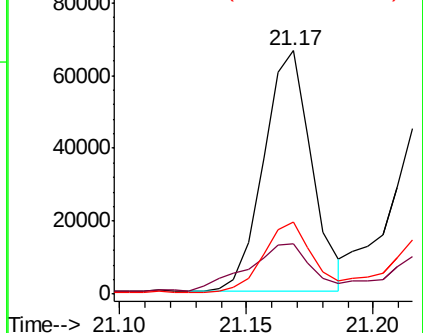
226 29.7 22.3 33.5

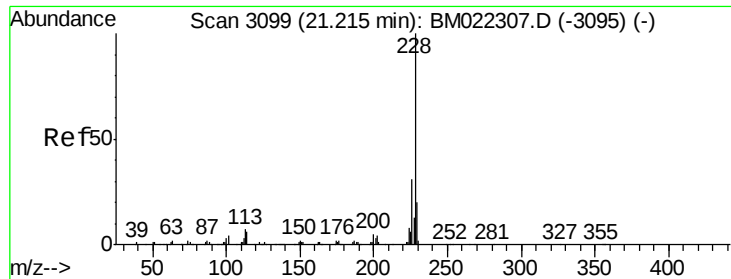


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 2.721 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BM022311.D

Acq: 25 Aug 2019 02:57

Instrument :

BNA_M

ClientSampleId :

C0AD4

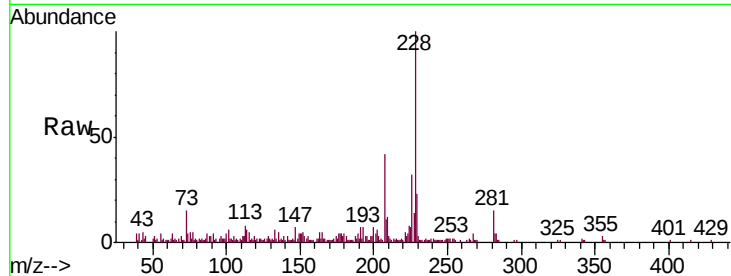
Tgt Ion:228 Resp: 62374

Ion Ratio Lower Upper

228 100

226 32.3 24.7 37.1

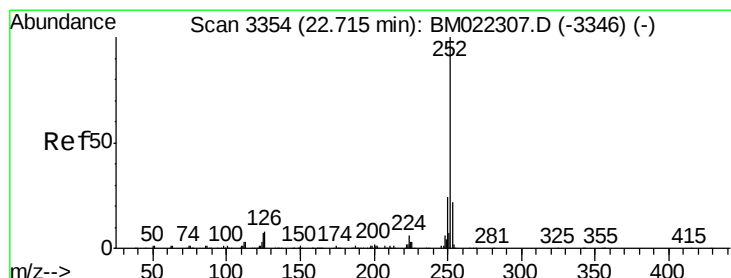
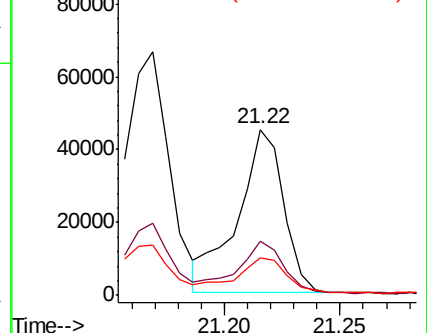
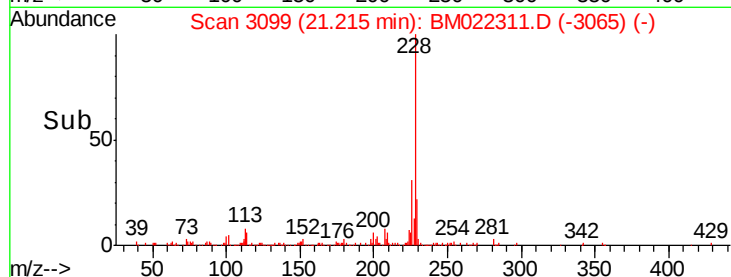
229 22.6 15.7 23.5



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: 2.333 ng/ul

RT: 22.72 min Scan# 3355

Delta R.T. 0.01 min

Lab File: BM022311.D

Acq: 25 Aug 2019 02:57

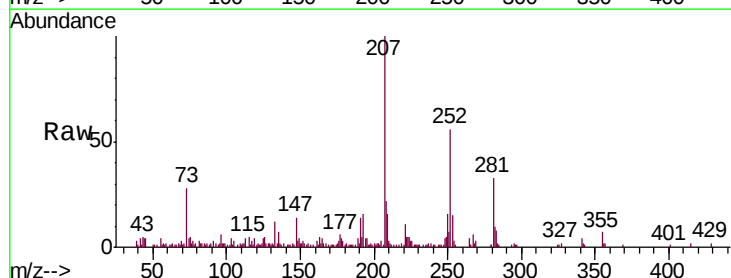
Tgt Ion:252 Resp: 45235

Ion Ratio Lower Upper

252 100

253 26.3 17.0 25.6#

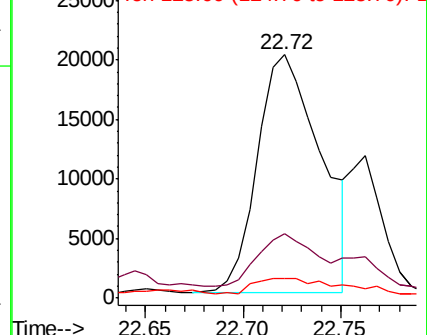
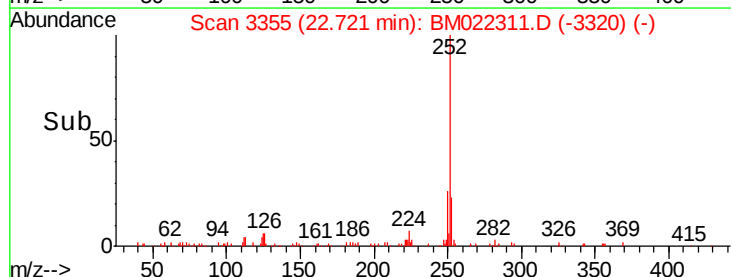
125 7.8 5.2 7.8#

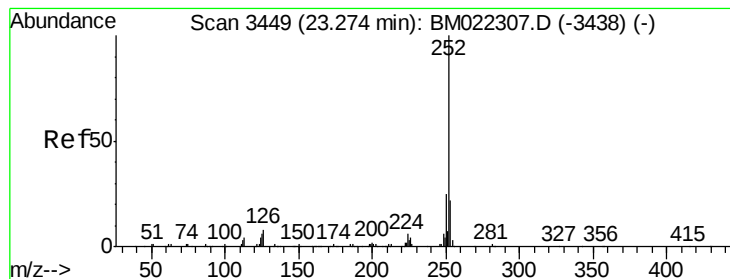


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 1.439 ng/ul

RT: 23.28 min Scan# 3450

Delta R.T. 0.01 min

Lab File: BM022311.D

Acq: 25 Aug 2019 02:57

Instrument :

BNA_M

ClientSampleId :

C0AD4

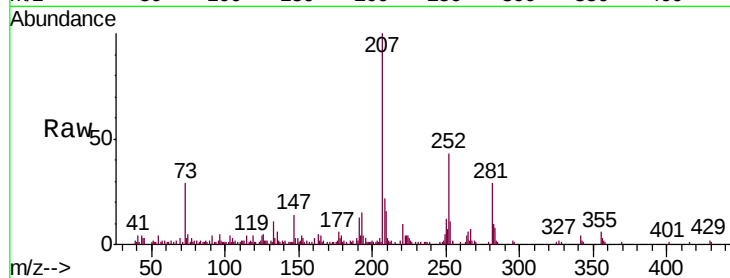
Tgt Ion:252 Resp: 26598

Ion Ratio Lower Upper

252 100

253 26.8 16.9 25.3#

125 9.9 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

