

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082819\NOT REVIEWED DATA\
 Data File : BM022383.D
 Acq On : 28 Aug 2019 11:45
 Operator : HP/JU
 Sample : K4414-07DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ETJR1DL

Quant Time: Aug 28 19:14:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 28 19:12:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	25297	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.32	136	115148	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.19	164	85685	20.00	ng/ul	-0.02
61) Phenanthrene-d10	16.96	188	205321	20.00	ng/ul	-0.02
77) Chrysene-d12	21.17	240	186205	20.00	ng/ul	0.00
85) Perylene-d12	23.37	264	178675	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	7831	13.85	ng/uL	-0.05
5) Phenol-d5	6.75	99	3291	1.51	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.90	67	7529	5.93	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.08	132	8905	5.05	ng/ul	0.00
13) 4-Methylphenol-d8	8.27	113	7018	3.71	ng/ul	0.00
19) Nitrobenzene-d5	8.71	128	5328	6.21	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.42	143	6219	6.22	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	9.96	165	11988	5.89	ng/ul	0.00
29) 4-Chloroaniline-d4	10.40	131	4265	1.72	ng/ul	-0.09
43) Dimethylphthalate-d6	13.62	166	50295	6.67	ng/ul	-0.01
46) Acenaphthylene-d8	13.89	160	53391	6.57	ng/ul	-0.01
51) 4-Nitrophenol-d4	14.54	143	109	0.10	ng/ul	0.07
57) Fluorene-d10	15.20	176	44423	7.10	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.39	200	4836	3.05	ng/ul	0.00
70) Anthracene-d10	17.06	188	76230	7.01	ng/ul	-0.02
78) Pyrene-d10	19.37	212	90491	9.35	ng/ul	-0.01
89) Benzo(a)pyrene-d12	23.23	264	67691	6.90	ng/ul	0.00

Target Compounds

					Ovalue
4) Benzaldehyde	6.75	77	6137	4.883	ng/ul# 1
6) Phenol	6.78	94	5185	2.218	ng/ul# 83
11) 2-Methylphenol	8.00	108	9048	4.915	ng/ul 92
14) Acetophenone	8.38	105	11231	3.433	ng/ul 96
16) 4-Methylphenol	8.33	108	10545	5.210	ng/ul 94
17) Hexachloroethane	8.62	117	3301	3.679	ng/ul# 1
21) Isophorone	9.27	82	24492	5.315	ng/ul 98
28) Naphthalene	10.39	128	13428114	2113.136	ng/ul 97
30) 4-Chloroaniline	10.39	127	1882373	730.963	ng/ul# 7
34) 2-Methylnaphthalene	11.98	142	231437	47.270	ng/ul 96
40) 1,1'-Biphenyl	13.02	154	50516	7.244	ng/ul 100
47) Acenaphthylene	13.92	152	179404	21.287	ng/ul 99
49) Acenaphthene	14.26	153	12923	2.160	ng/ul 99
58) Fluorene	15.25	166	61484	8.191	ng/ul 98
69) Phenanthrene	17.00	178	344588	28.053	ng/ul 98
71) Anthracene	17.09	178	75094	5.875	ng/ul 98
74) Carbazole	17.39	167	13802	1.195	ng/ul 98
76) Fluoranthene	19.03	202	148714	8.034	ng/ul 98
79) Pyrene	19.40	202	219460	18.209	ng/ul 97
82) Benzo(a)anthracene	21.16	228	51493	3.674	ng/ul# 94
84) Chrysene	21.22	228	43886	3.349	ng/ul 95
87) Benzo(b)fluoranthene	22.72	252	45685	3.676	ng/ul 100
88) Benzo(k)fluoranthene	22.72	252	45685	3.790	ng/ul 98

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 28 19:12:04 2019
Response via : Initial Calibration

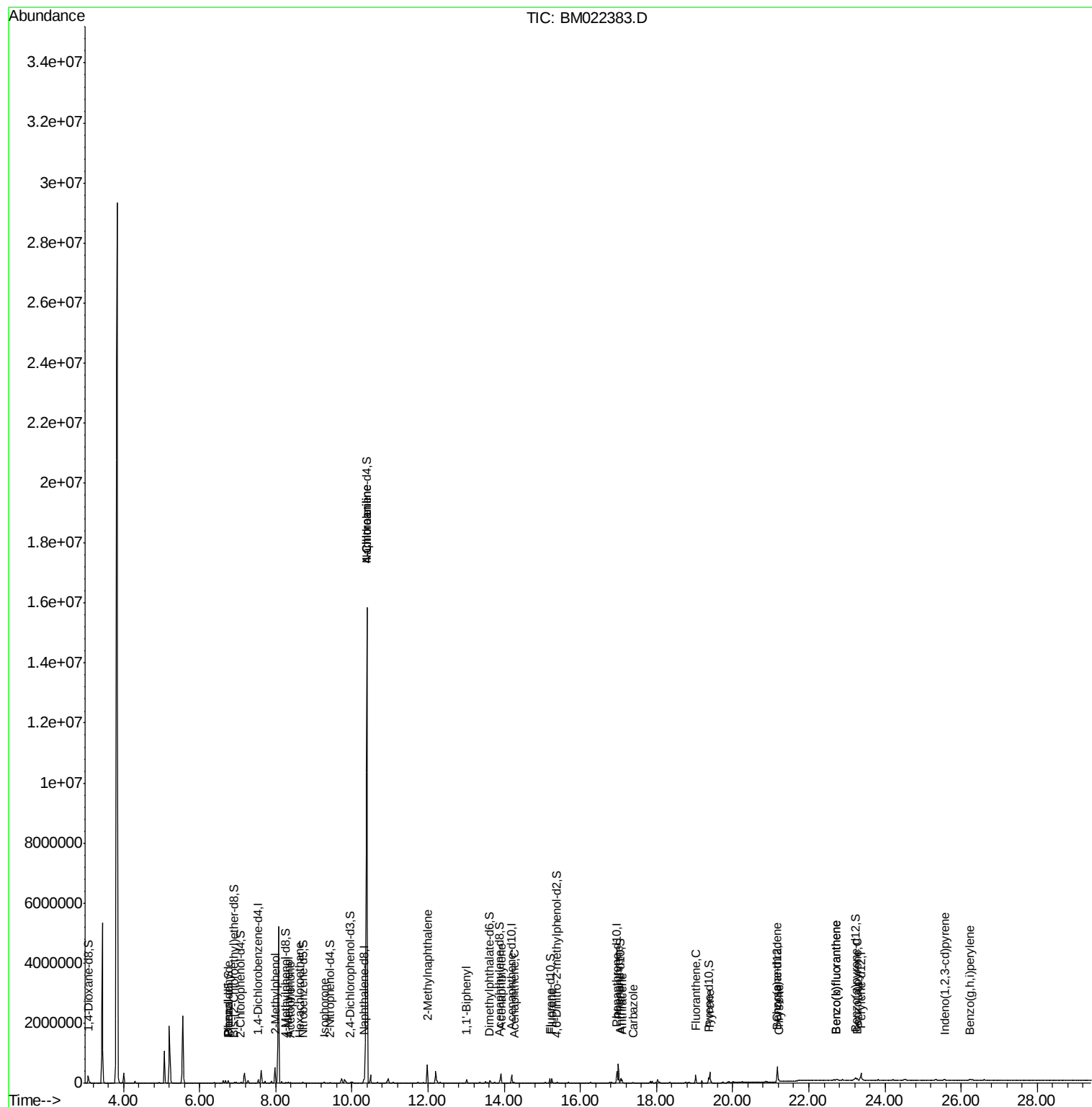
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(a)pyrene	23.27	252	42161	3.559	ng/ul	96
91) Indeno(1,2,3-cd)pyrene	25.56	276	18601	1.352	ng/ul#	89
93) Benzo(g,h,i)perylene	26.23	276	23160	2.207	ng/ul#	95

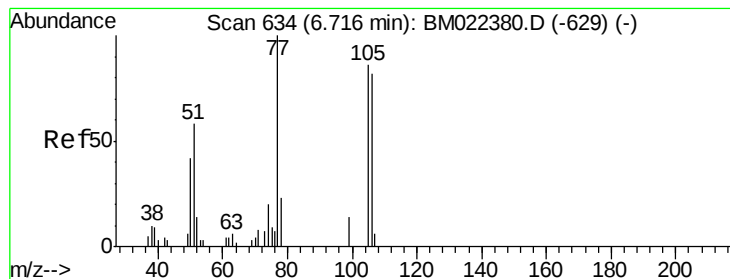
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 4.883 ng/ul

RT: 6.75 min Scan# 640

Delta R.T. 0.02 min

Lab File: BM022383.D

Acq: 28 Aug 2019 11:45

Instrument :

BNA_M

ClientSampleId :

ETJR1DL

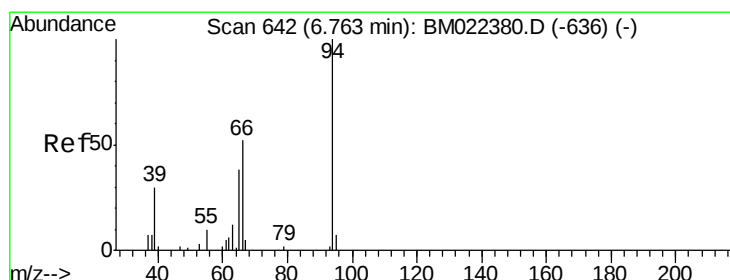
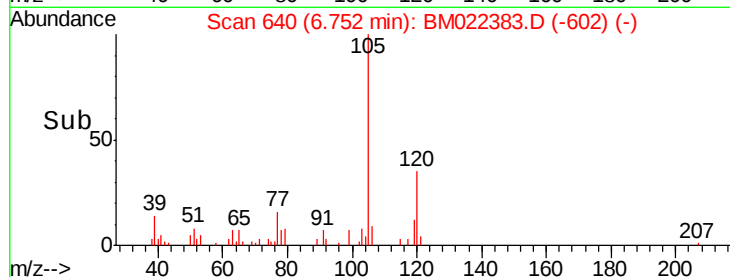
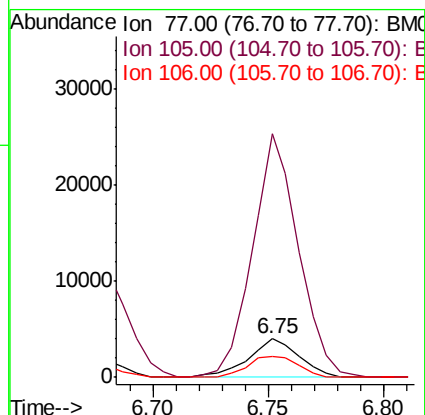
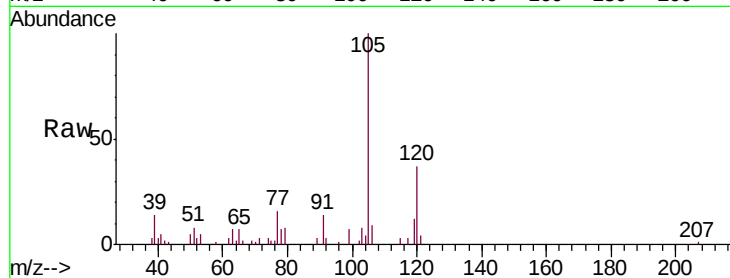
Tot Ion: 77 Resp: 6137

Ion Ratio Lower Upper

77 100

105 634.7 71.7 107.5#

106 55.1 71.7 107.5#



#6

Phenol

Concen: 2.218 ng/ul

RT: 6.78 min Scan# 644

Delta R.T. 0.00 min

Lab File: BM022383.D

Acq: 28 Aug 2019 11:45

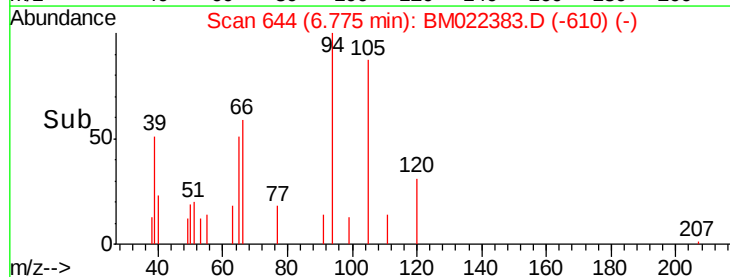
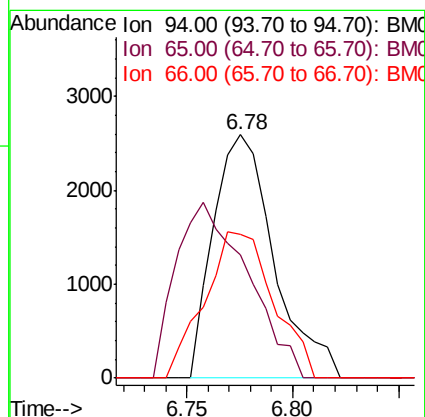
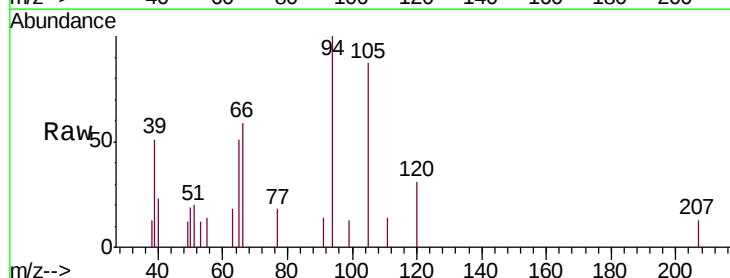
Tgt Ion: 94 Resp: 5185

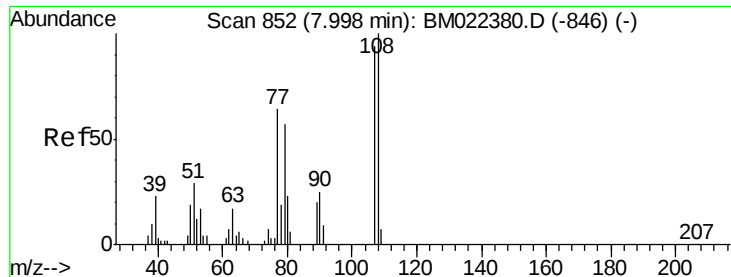
Ion Ratio Lower Upper

94 100

65 50.8 29.2 43.8#

66 58.9 40.6 60.8

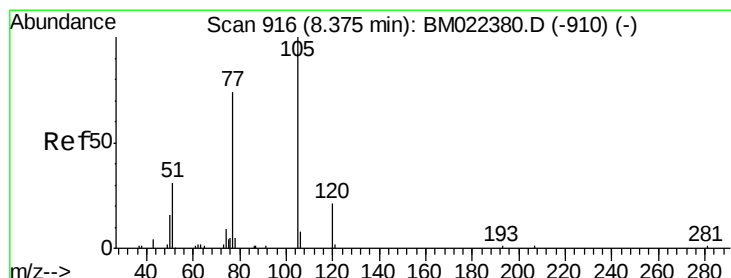
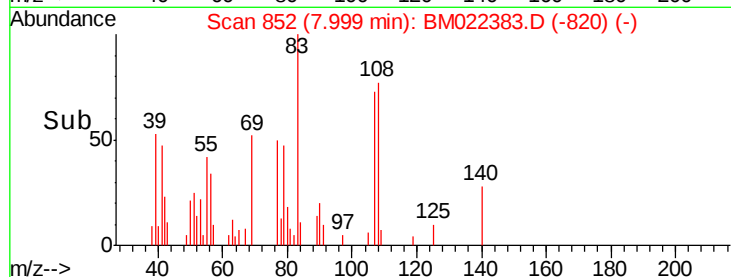
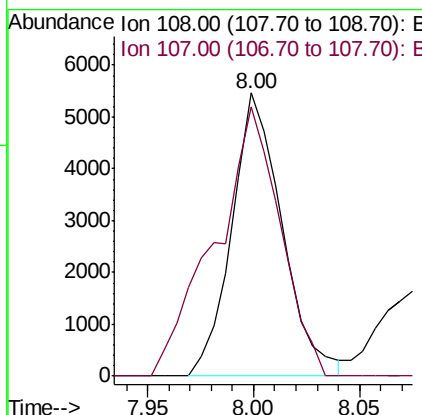
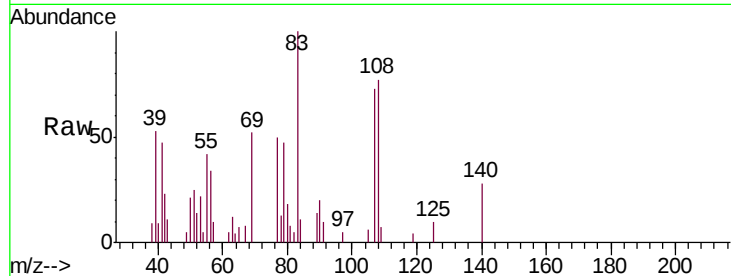




#11
2-Methylphenol
Concen: 4.915 ng/ul
RT: 8.00 min Scan# 852
Delta R.T. -0.01 min
Lab File: BM022383.D
Acq: 28 Aug 2019 11:45

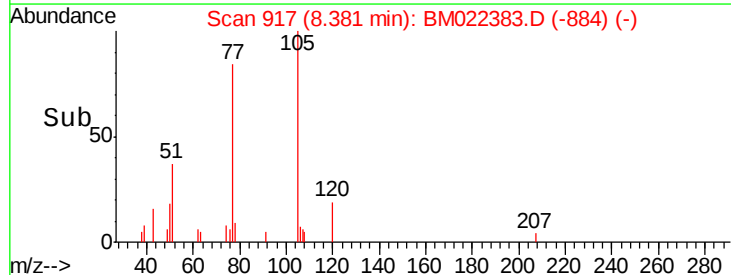
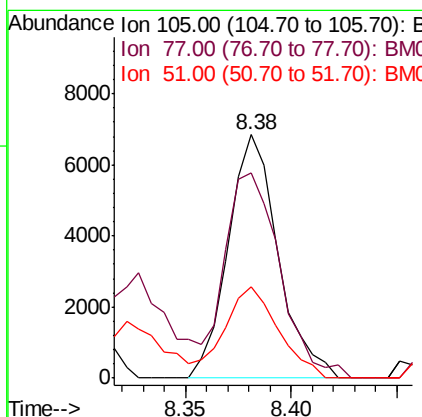
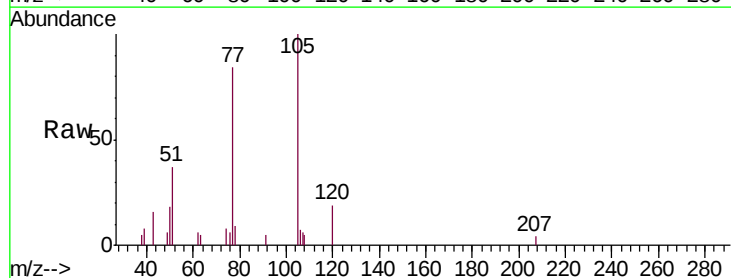
Instrument :
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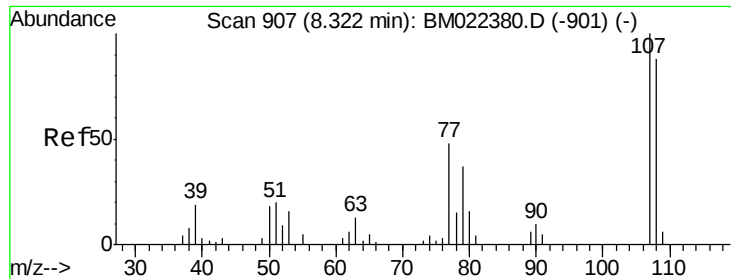
Tot Ion:108 Resp: 9048
Ion Ratio Lower Upper
108 100
107 95.0 70.1 105.1



#14
Acetophenone
Concen: 3.433 ng/ul
RT: 8.38 min Scan# 917
Delta R.T. -0.01 min
Lab File: BM022383.D
Acq: 28 Aug 2019 11:45

Tgt Ion:105 Resp: 11231
Ion Ratio Lower Upper
105 100
77 84.4 68.4 102.6
51 37.3 25.0 37.4

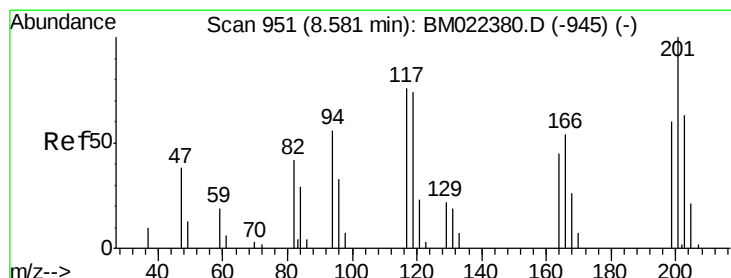
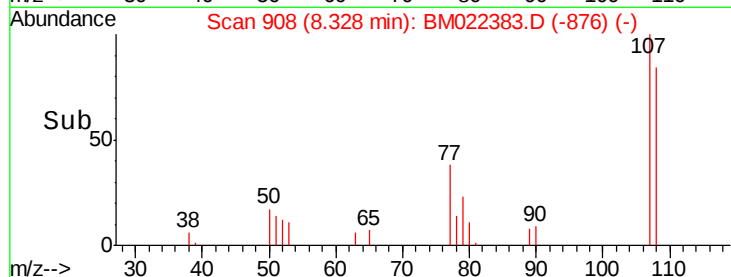
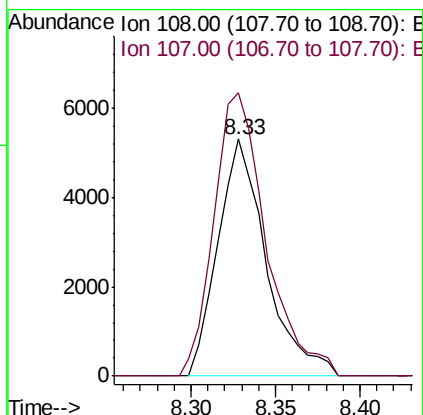
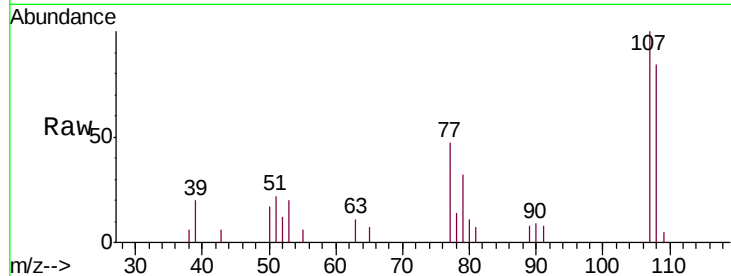




#16
4-Methylphenol
Concen: 5.210 ng/ul
RT: 8.33 min Scan# 908
Delta R.T. -0.01 min
Lab File: BM022383.D
Acq: 28 Aug 2019 11:45

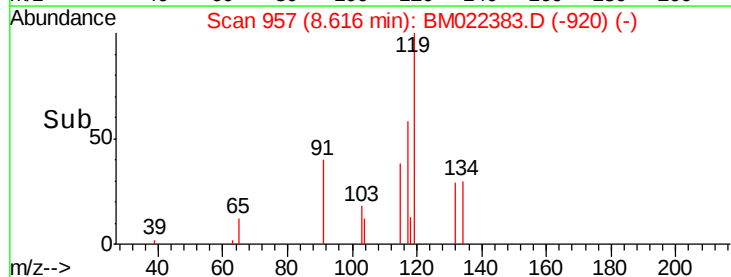
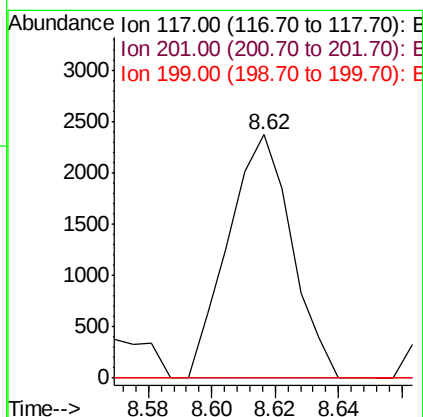
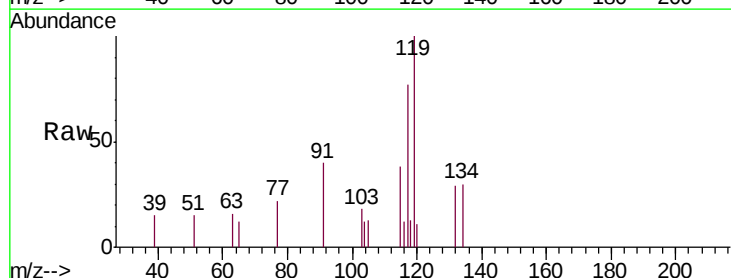
Instrument :
BNA_M
ClientSampleId :
ETJR1DL

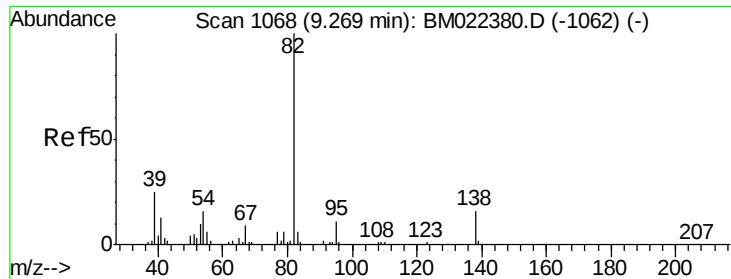
Tot Ion:108 Resp: 10545
Ion Ratio Lower Upper
108 100
107 119.6 90.8 136.2



#17
Hexachloroethane
Concen: 3.679 ng/ul
RT: 8.62 min Scan# 957
Delta R.T. 0.02 min
Lab File: BM022383.D
Acq: 28 Aug 2019 11:45

Tgt Ion:117 Resp: 3301
Ion Ratio Lower Upper
117 100
201 0.0 95.9 143.9#
199 0.0 60.6 90.8#





#21

Isophorone

Concen: 5.315 ng/ul

RT: 9.27 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BM022383.D

Acq: 28 Aug 2019 11:45

Instrument :

BNA_M

ClientSampleId :

ETJR1DL

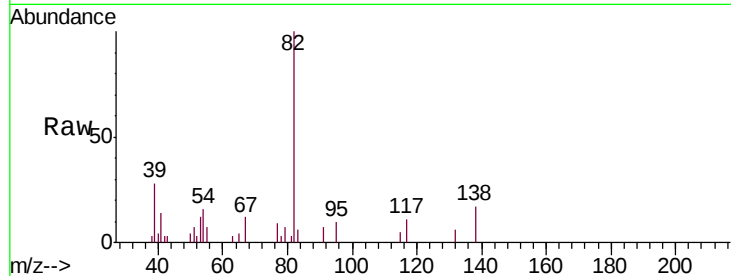
Tot Ion: 82 Resp: 24492

Ion Ratio Lower Upper

82 100

95 10.2 7.2 10.8

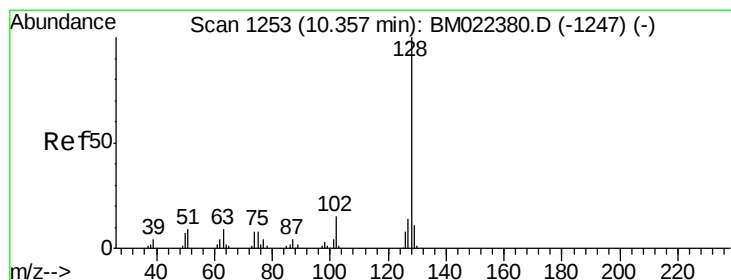
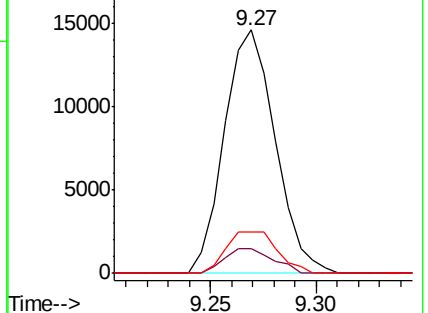
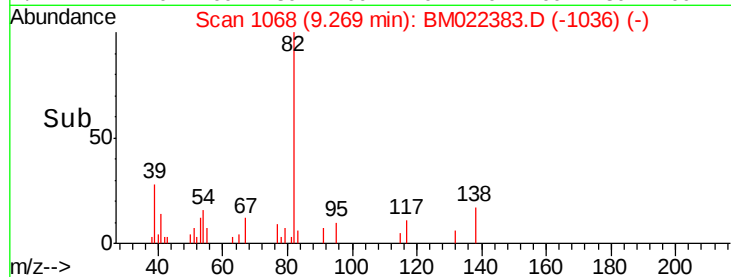
138 17.0 13.8 20.6



Abundance Ion 82.00 (81.70 to 82.70): BM022383.D (-1036) (-)

Ion 95.00 (94.70 to 95.70): BM022383.D (-1036) (-)

Ion 138.00 (137.70 to 138.70): BM022383.D (-1036) (-)



#28

Naphthalene

Concen: 2113.136 ng/ul

RT: 10.39 min Scan# 1259

Delta R.T. 0.02 min

Lab File: BM022383.D

Acq: 28 Aug 2019 11:45

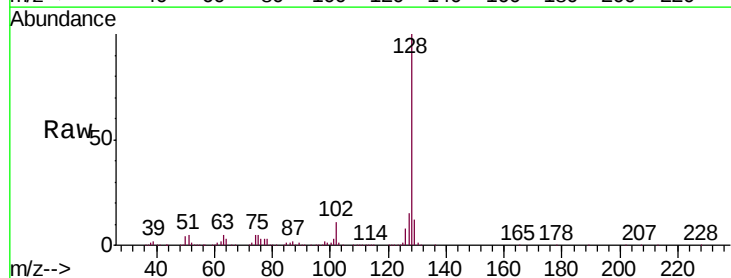
Tgt Ion: 128 Resp: 13428114

Ion Ratio Lower Upper

128 100

129 11.7 8.6 13.0

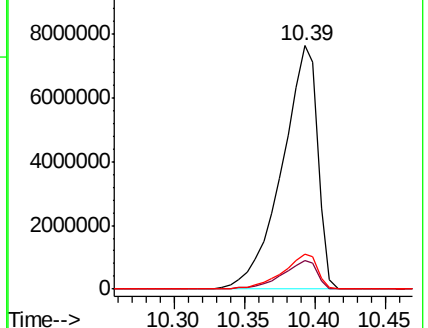
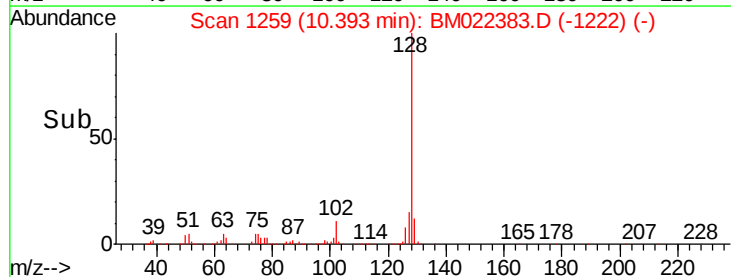
127 14.5 10.4 15.6

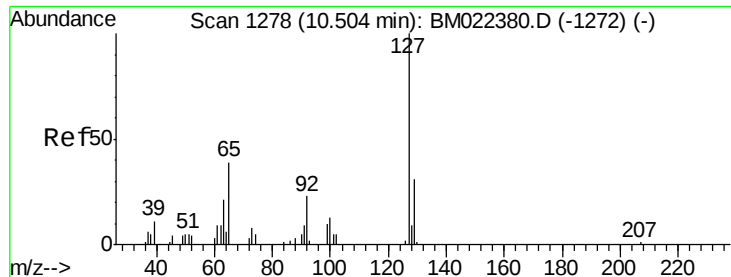


Abundance Ion 128.00 (127.70 to 128.70): BM022383.D (-1222) (-)

Ion 129.00 (128.70 to 129.70): BM022383.D (-1222) (-)

Ion 127.00 (126.70 to 127.70): BM022383.D (-1222) (-)

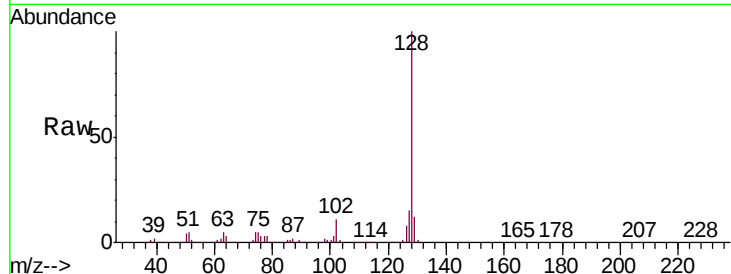




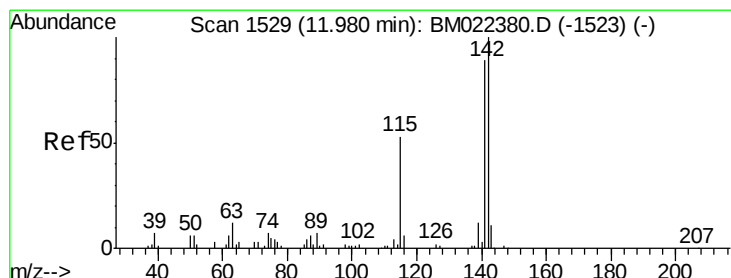
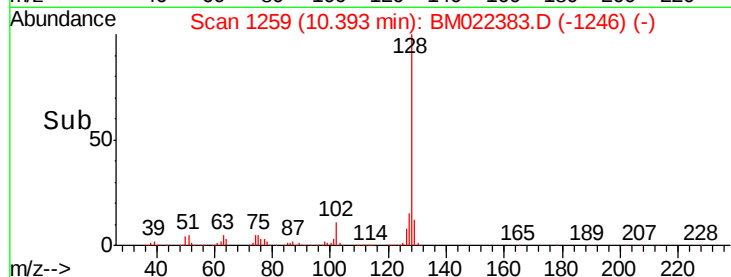
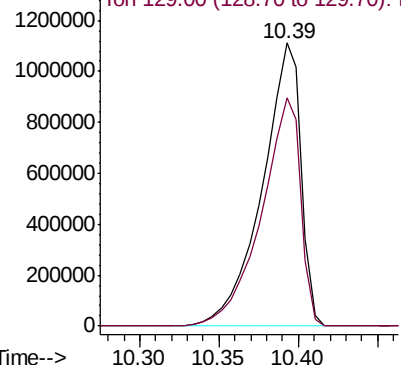
#30
4-Chloroaniline
Concen: 730.963 ng/ul
RT: 10.39 min Scan# 1259
Delta R.T. -0.12 min
Lab File: BM022383.D
Acq: 28 Aug 2019 11:45

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Tot Ion:127 Resp: 1882373
Ion Ratio Lower Upper
127 100
129 80.7 24.2 36.4#

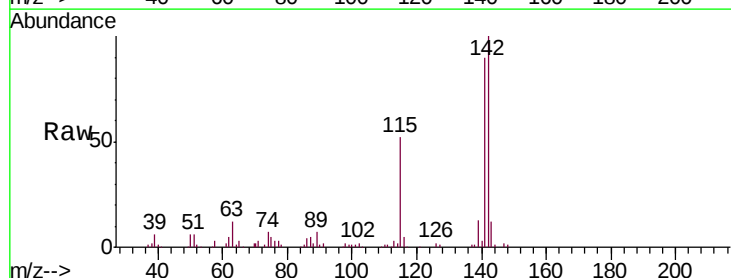


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

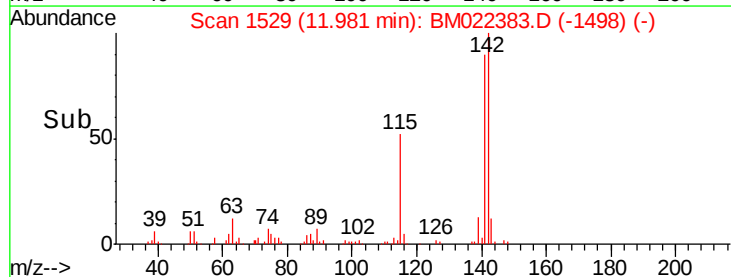
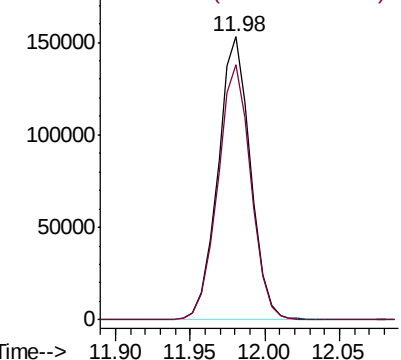


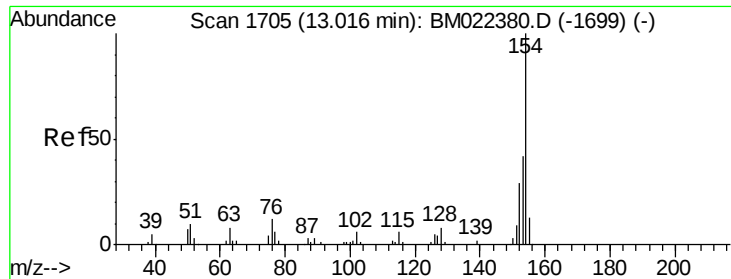
#34
2-Methylnaphthalene
Concen: 47.270 ng/ul
RT: 11.98 min Scan# 1529
Delta R.T. -0.02 min
Lab File: BM022383.D
Acq: 28 Aug 2019 11:45

Tgt Ion:142 Resp: 231437
Ion Ratio Lower Upper
142 100
141 90.0 75.1 112.7



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

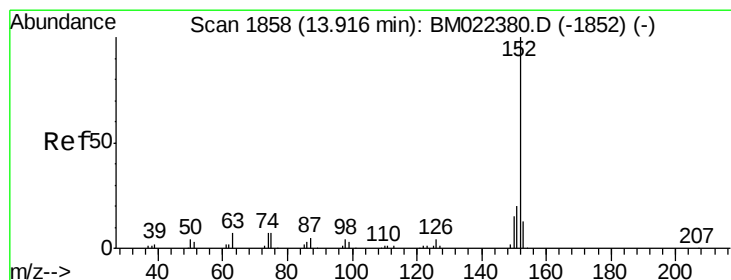
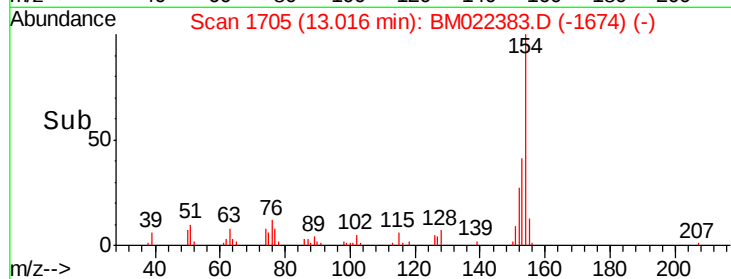
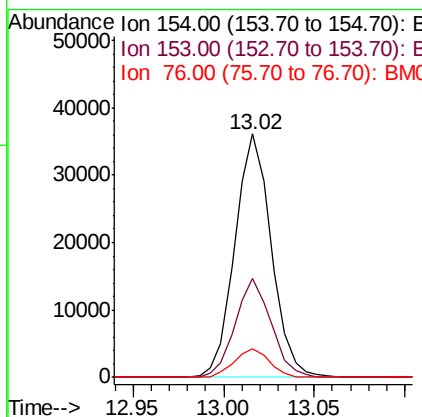
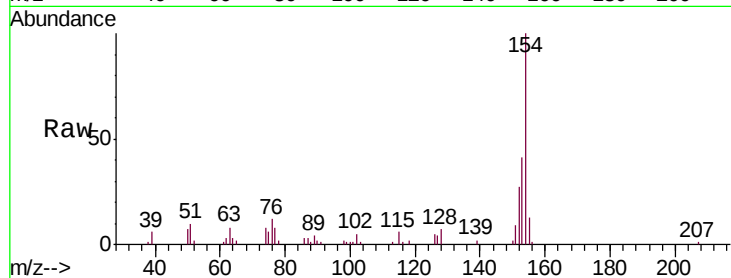




#40
 1,1'-Biphenyl
 Concen: 7.244 ng/ul
 RT: 13.02 min Scan# 1705
 Delta R.T. -0.02 min
 Lab File: BM022383.D
 Acq: 28 Aug 2019 11:45

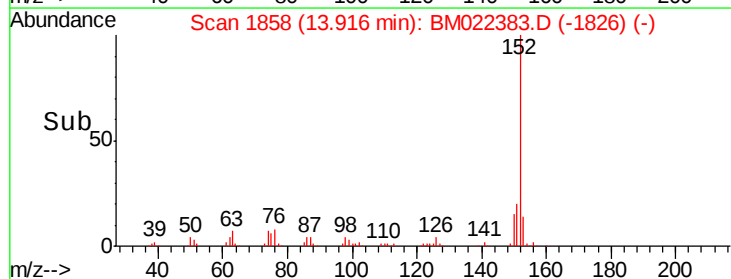
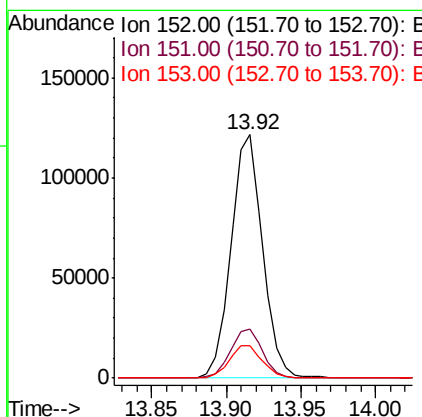
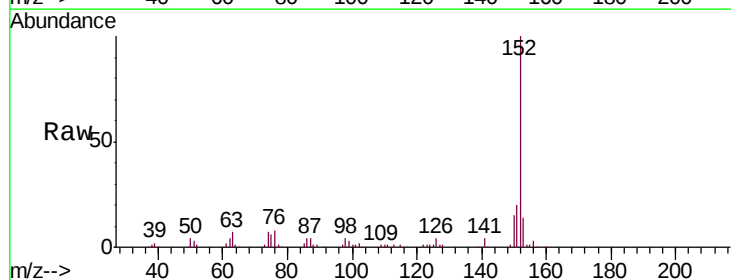
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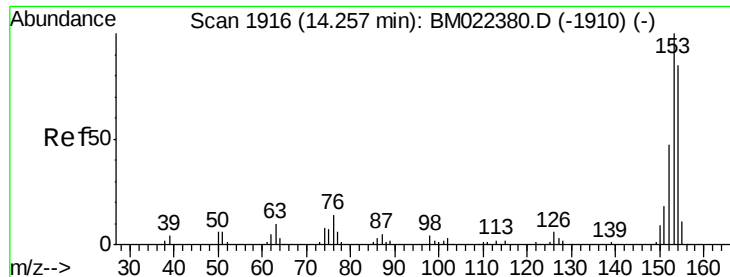
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.5	32.5	48.7
76	11.8	9.2	13.8



#47
 Acenaphthylene
 Concen: 21.287 ng/ul
 RT: 13.92 min Scan# 1858
 Delta R.T. -0.01 min
 Lab File: BM022383.D
 Acq: 28 Aug 2019 11:45

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.0	24.0
153	13.6	10.4	15.6





#49

Acenaphthene

Concen: 2.160 ng/ul

RT: 14.26 min Scan# 1916

Delta R.T. -0.02 min

Lab File: BM022383.D

Acq: 28 Aug 2019 11:45

Instrument :

BNA_M

ClientSampleId :

ETJR1DL

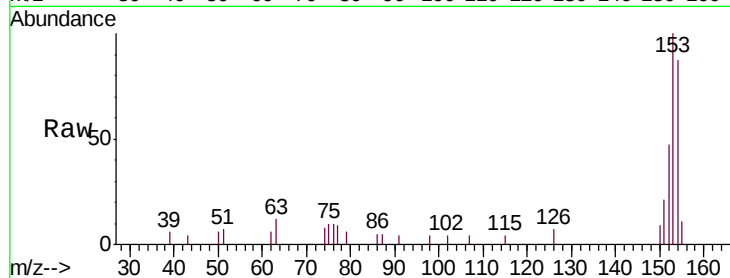
Tot Ion:153 Resp: 12923

Ion Ratio Lower Upper

153 100

152 47.2 38.6 58.0

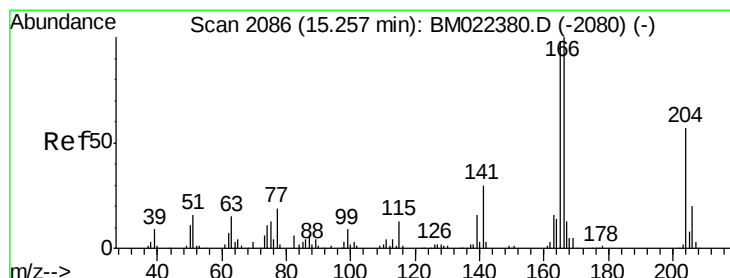
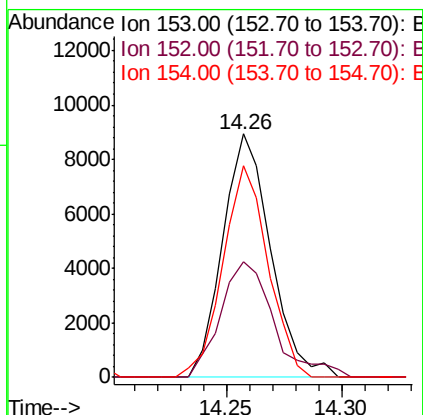
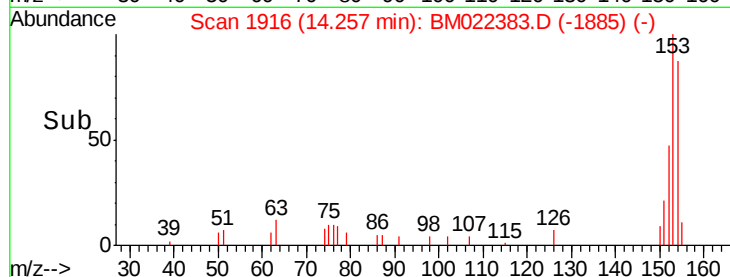
154 86.8 68.9 103.3



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



#58

Fluorene

Concen: 8.191 ng/ul

RT: 15.25 min Scan# 2085

Delta R.T. -0.02 min

Lab File: BM022383.D

Acq: 28 Aug 2019 11:45

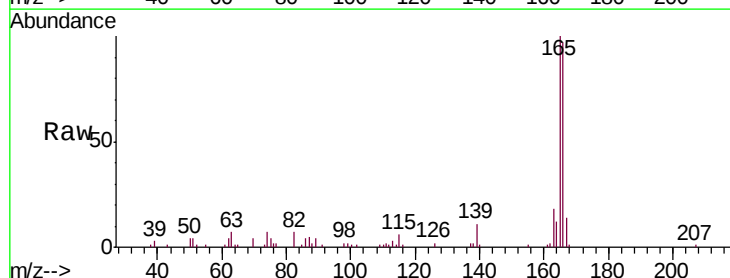
Tgt Ion:166 Resp: 61484

Ion Ratio Lower Upper

166 100

165 102.8 80.2 120.2

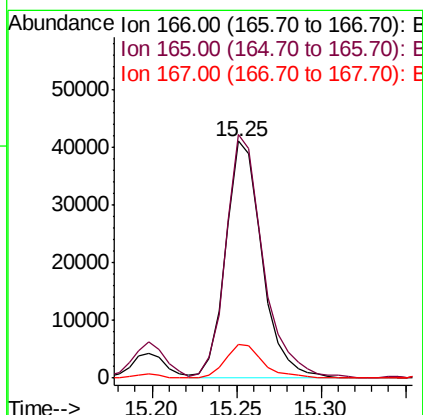
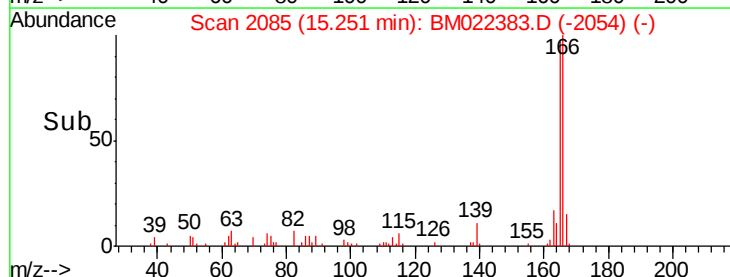
167 14.3 11.4 17.0

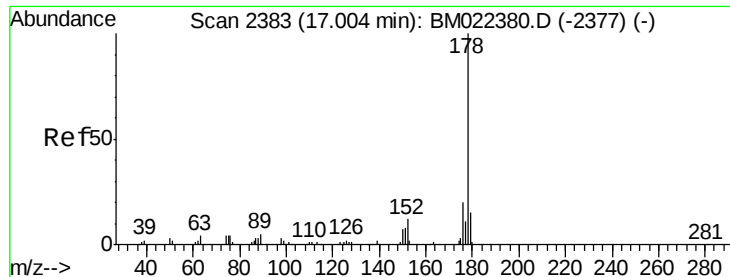


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 28.053 ng/ul

RT: 17.00 min Scan# 2382

Delta R.T. -0.02 min

Lab File: BM022383.D

Acq: 28 Aug 2019 11:45

Instrument :

BNA_M

ClientSampleId :

ETJR1DL

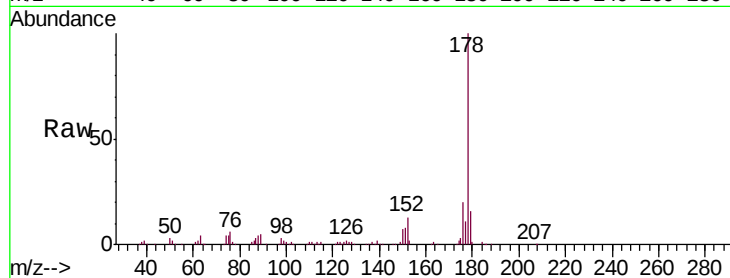
Tot Ion:178 Resp: 344588

Ion Ratio Lower Upper

178 100

179 15.8 12.4 18.6

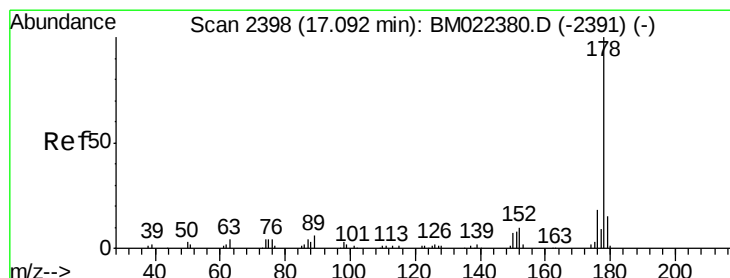
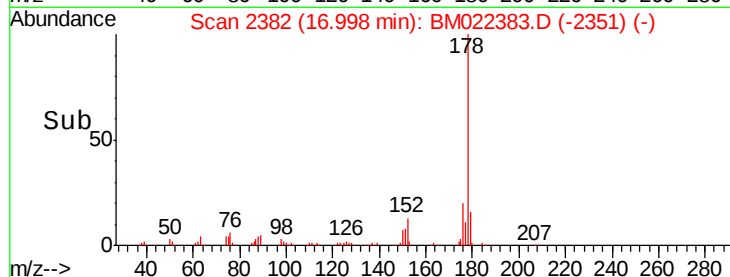
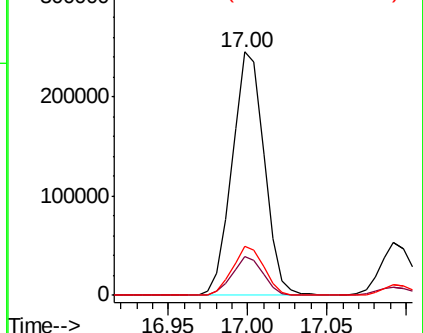
176 20.4 15.4 23.0



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: 5.875 ng/ul

RT: 17.09 min Scan# 2398

Delta R.T. -0.02 min

Lab File: BM022383.D

Acq: 28 Aug 2019 11:45

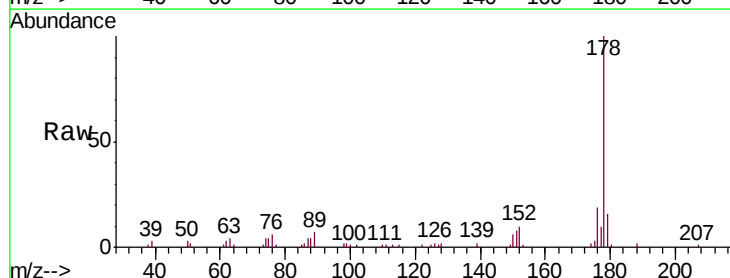
Tgt Ion:178 Resp: 75094

Ion Ratio Lower Upper

178 100

179 16.3 12.3 18.5

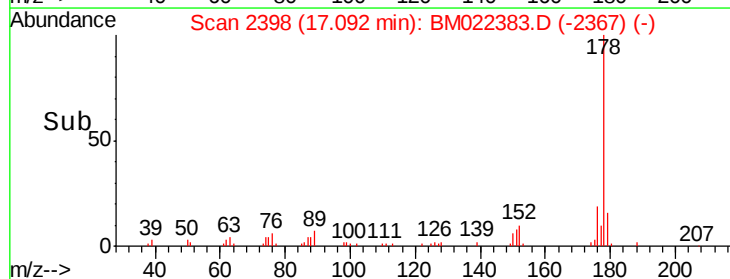
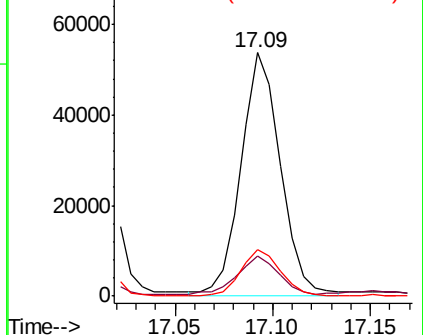
176 18.9 15.5 23.3

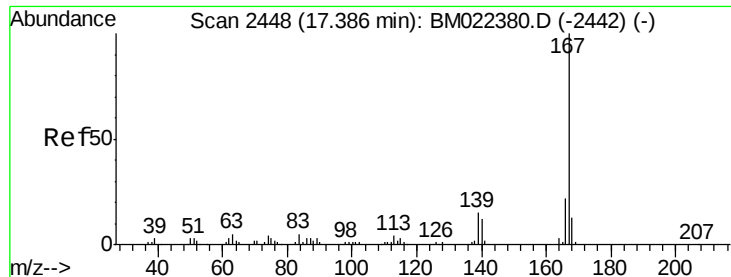


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 1.195 ng/ul

RT: 17.39 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BM022383.D

Acq: 28 Aug 2019 11:45

Instrument :

BNA_M

ClientSampleId :

ETJR1DL

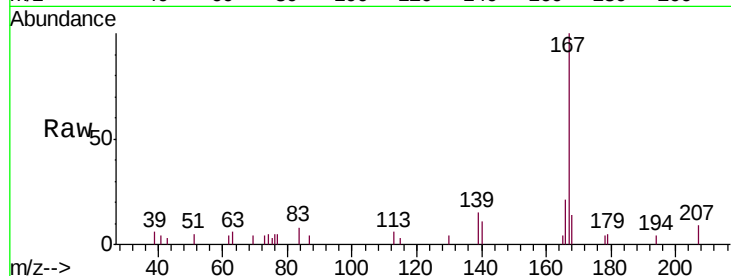
Tot Ion:167 Resp: 13802

Ion Ratio Lower Upper

167 100

166 20.9 17.8 26.8

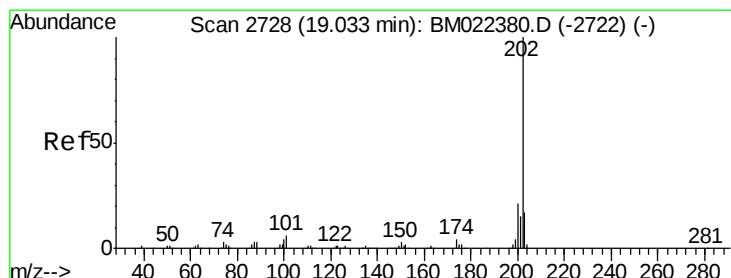
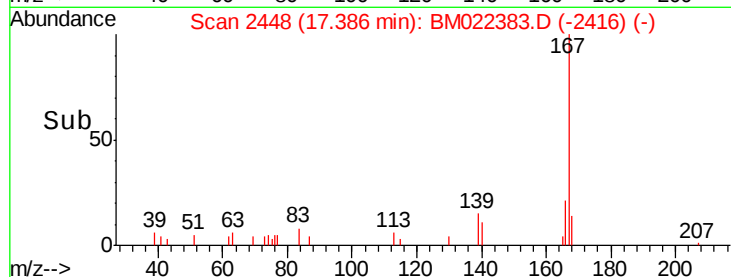
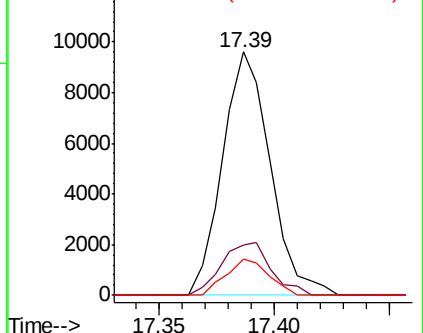
139 14.8 11.8 17.8



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: 8.034 ng/ul

RT: 19.03 min Scan# 2728

Delta R.T. -0.01 min

Lab File: BM022383.D

Acq: 28 Aug 2019 11:45

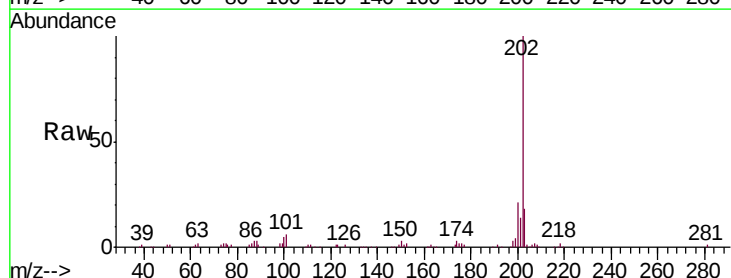
Tgt Ion:202 Resp: 148714

Ion Ratio Lower Upper

202 100

101 6.2 5.3 7.9

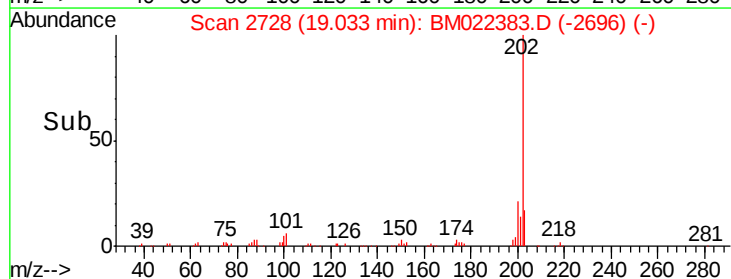
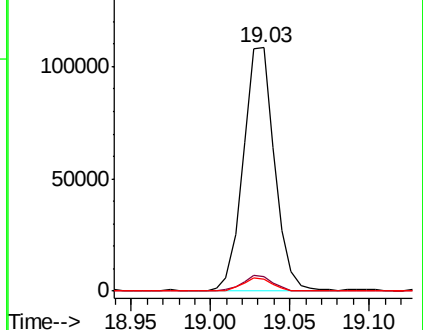
100 4.7 4.6 6.8

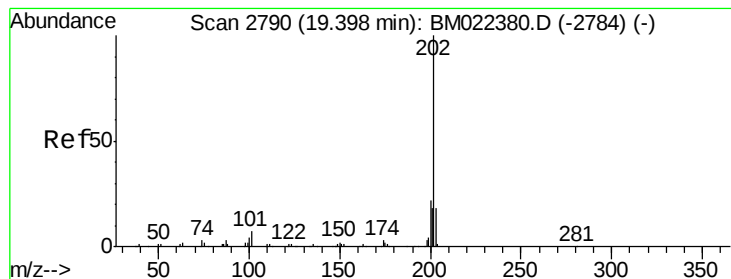


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#79

Pvrene

Concen: 18.209 ng/ul

RT: 19.40 min Scan# 2790

Delta R.T. -0.01 min

Lab File: BM022383.D

Acq: 28 Aug 2019 11:45

Instrument :

BNA_M

ClientSampleId :

ETJR1DL

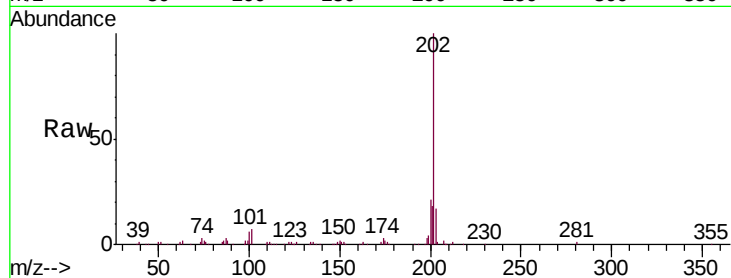
Tot Ion:202 Resp: 219460

Ion Ratio Lower Upper

202 100

101 7.4 7.0 10.4

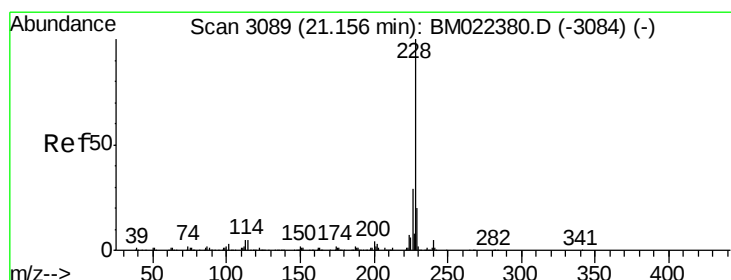
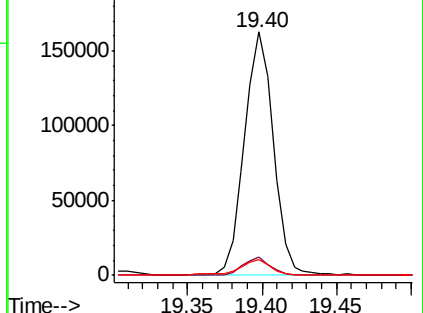
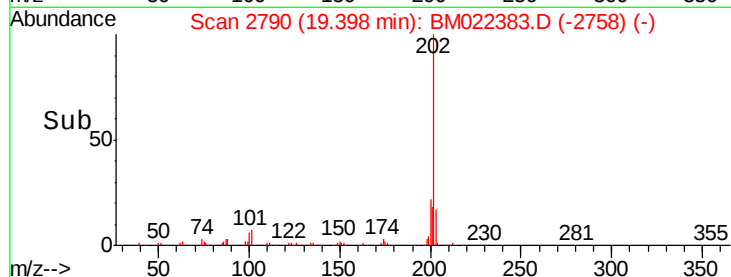
100 6.4 5.8 8.8



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: 3.674 ng/ul

RT: 21.16 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BM022383.D

Acq: 28 Aug 2019 11:45

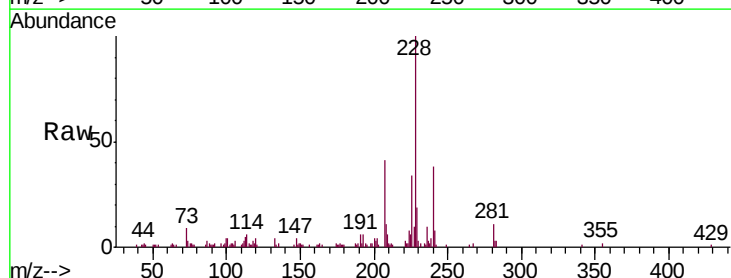
Tgt Ion:228 Resp: 51493

Ion Ratio Lower Upper

228 100

229 19.0 15.2 22.8

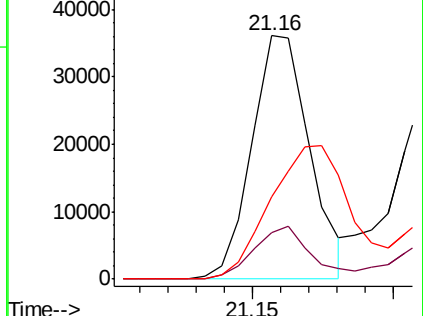
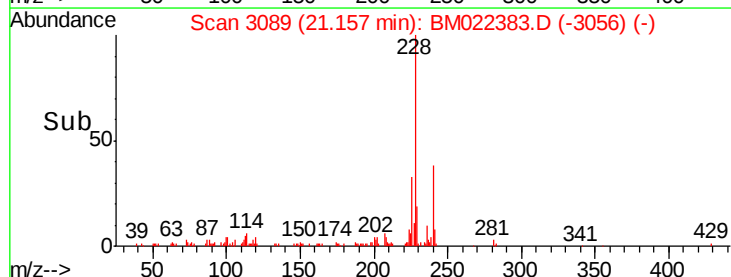
226 33.6 22.3 33.5#

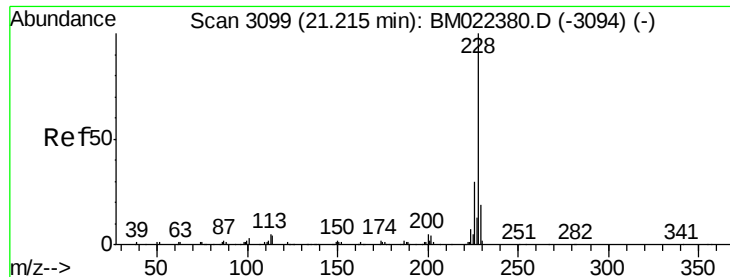


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 3.349 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BM022383.D

Acq: 28 Aug 2019 11:45

Instrument :

BNA_M

ClientSampleId :

ETJR1DL

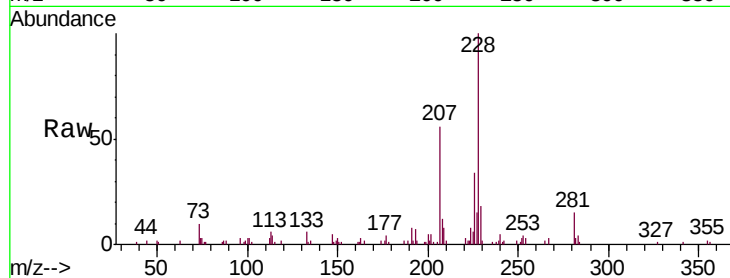
Tot Ion:228 Resp: 43886

Ion Ratio Lower Upper

228 100

226 33.9 24.7 37.1

229 18.1 15.7 23.5

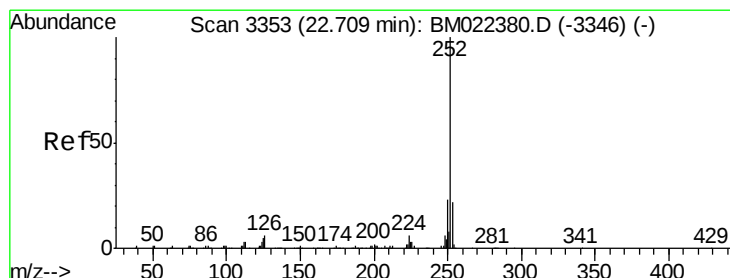
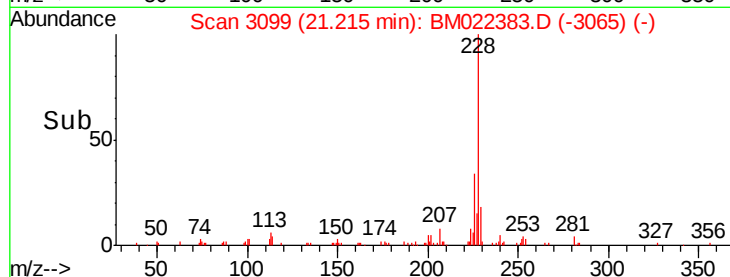
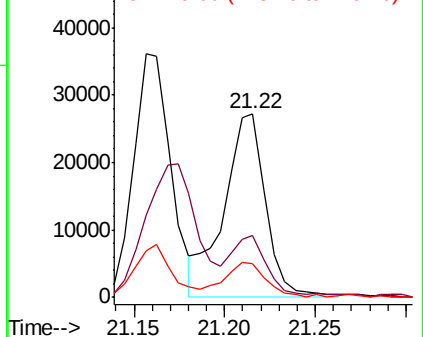


Abundance

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: 3.676 ng/ul

RT: 22.72 min Scan# 3354

Delta R.T. 0.00 min

Lab File: BM022383.D

Acq: 28 Aug 2019 11:45

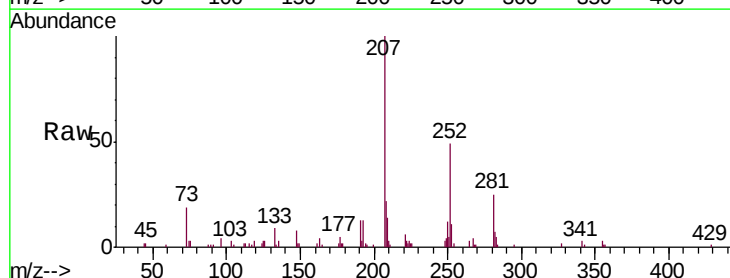
Tgt Ion:252 Resp: 45685

Ion Ratio Lower Upper

252 100

253 21.4 17.0 25.6

125 6.4 5.2 7.8

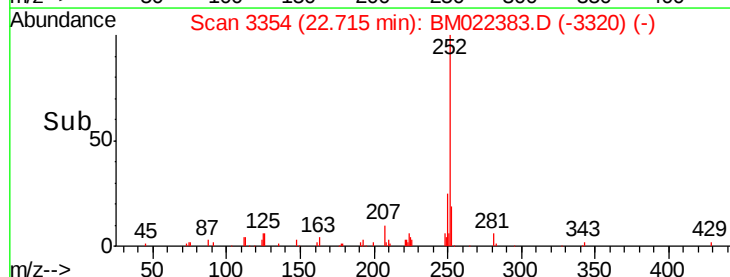
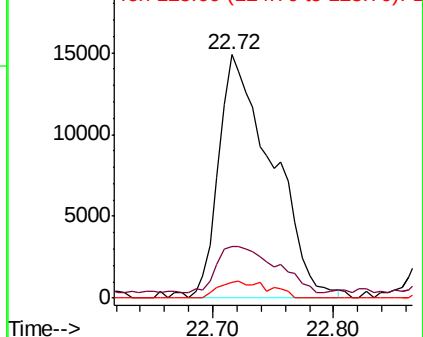


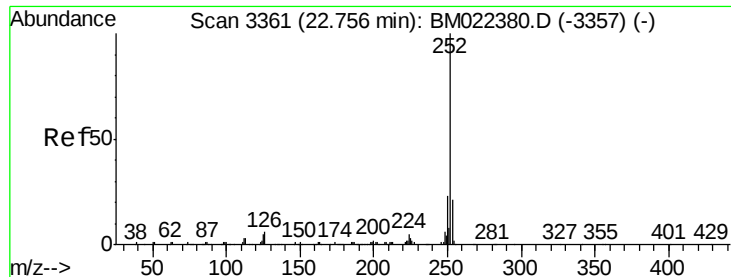
Abundance

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





#88

Benzo(k)fluoranthene

Concen: 3.790 ng/ul

RT: 22.72 min Scan# 3354

Delta R.T. -0.04 min

Lab File: BM022383.D

Acq: 28 Aug 2019 11:45

Instrument :

BNA_M

ClientSampleId :

ETJR1DL

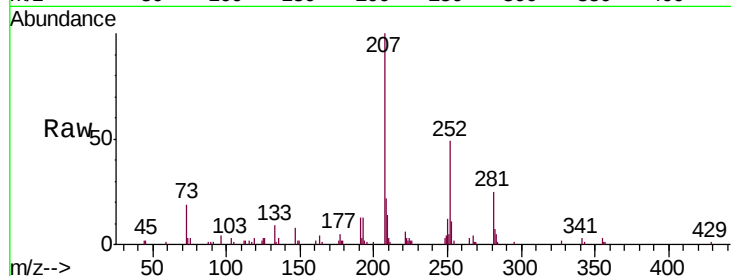
Tot Ion:252 Resp: 45685

Ion Ratio Lower Upper

252 100

253 21.4 18.1 27.1

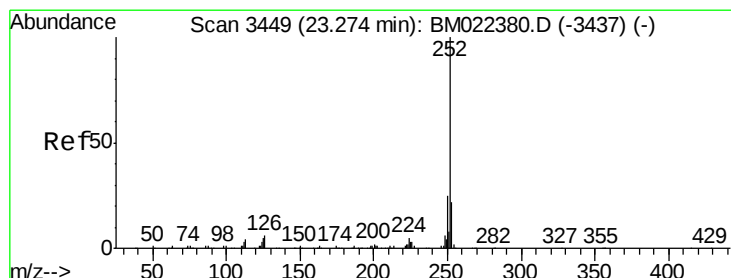
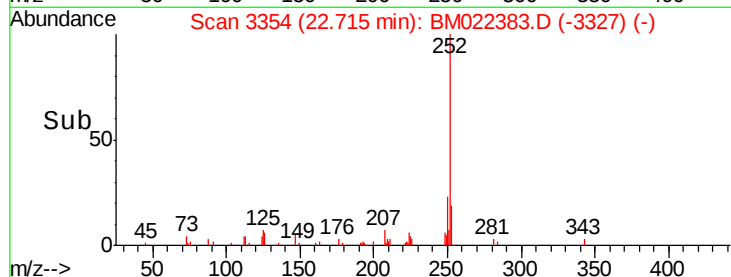
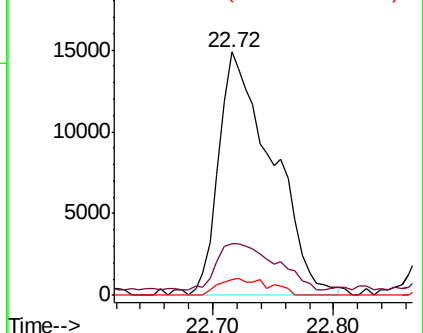
125 6.4 5.1 7.7



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



#90

Benzo(a)pyrene

Concen: 3.559 ng/ul

RT: 23.27 min Scan# 3449

Delta R.T. 0.00 min

Lab File: BM022383.D

Acq: 28 Aug 2019 11:45

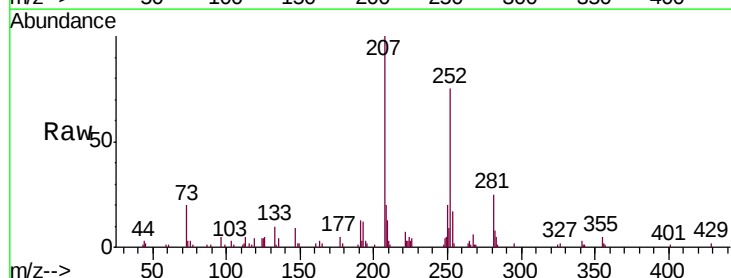
Tgt Ion:252 Resp: 42161

Ion Ratio Lower Upper

252 100

253 23.3 16.9 25.3

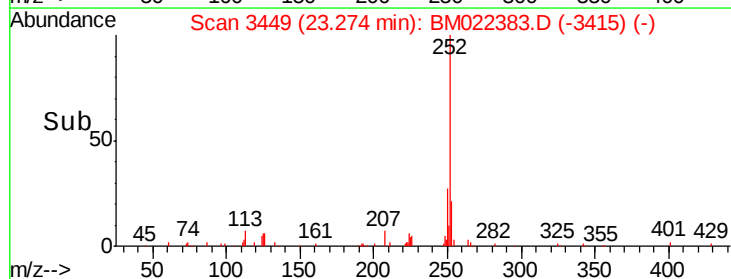
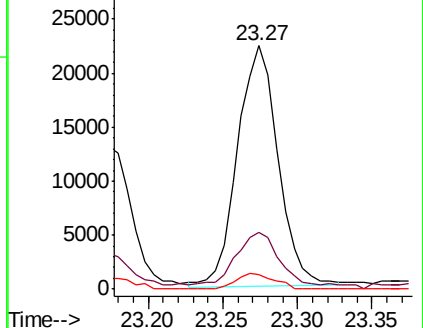
125 5.8 5.5 8.3

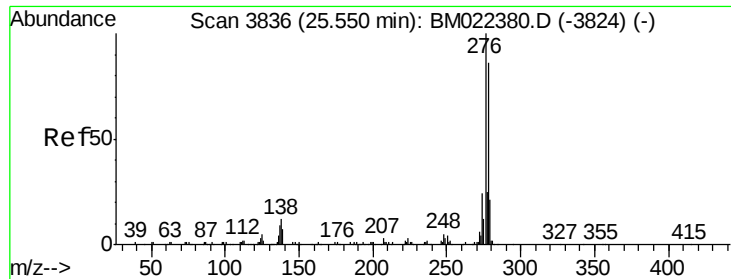


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Indeno(1,2,3-cd)pyrene

Concen: 1.352 ng/ul

RT: 25.56 min Scan# 3838

Delta R.T. 0.00 min

Lab File: BM022383.D

Acq: 28 Aug 2019 11:45

Instrument :

BNA_M

ClientSampleId :

ETJR1DL

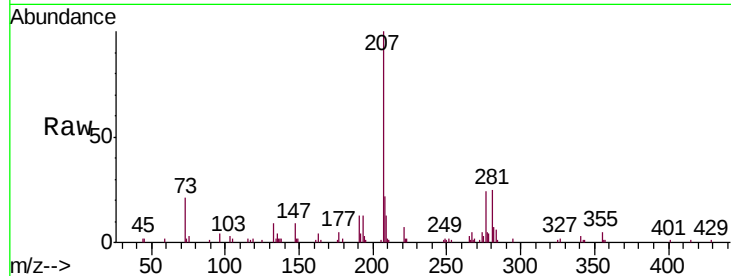
Tot Ion:276 Resp: 18601

Ion Ratio Lower Upper

276 100

138 9.6 12.6 18.8#

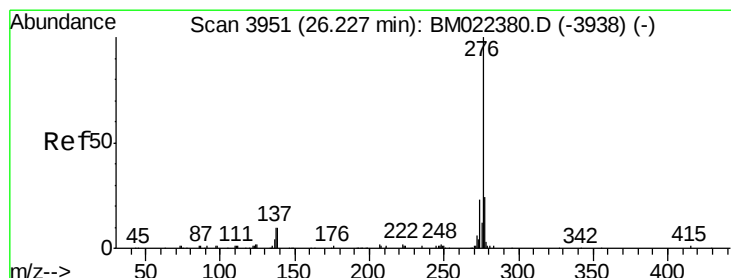
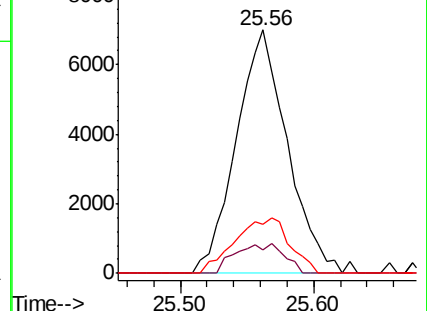
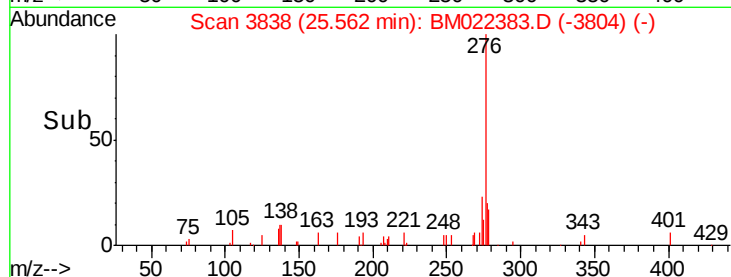
277 20.4 20.2 30.2



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

Benzo(g,h,i)perylene

Concen: 2.207 ng/ul

RT: 26.23 min Scan# 3952

Delta R.T. 0.00 min

Lab File: BM022383.D

Acq: 28 Aug 2019 11:45

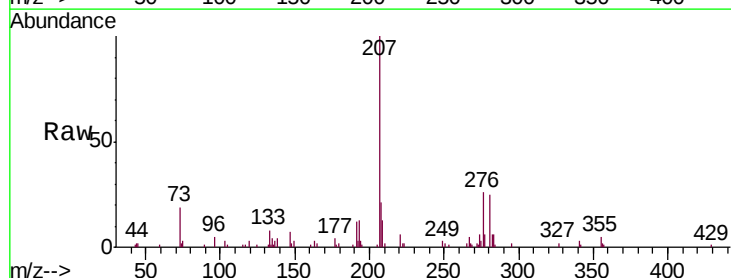
Tgt Ion:276 Resp: 23160

Ion Ratio Lower Upper

276 100

138 16.1 10.2 15.4#

277 24.4 18.2 27.4



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

