

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM041321\
 Data File : BM029458.D
 Acq On : 13 Apr 2021 13:50
 Operator : CG/JU
 Sample : M1906-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X3308

Quant Time: Apr 14 03:13:19 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM041221.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Apr 12 15:46:03 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	103960	20.00	ng/ul	0.00
20) Naphthalene-d8	10.46	136	426283	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.32	164	253643	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.06	188	504969	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	477735	20.00	ng/ul	0.00
87) Perylene-d12	23.45	264	453968	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.19	96	13647	4.76	ng/uL	0.00
4) Pyridine-d5	3.59	84	170941	22.50	ng/ul	0.00
7) Phenol-d5	6.85	99	280174	29.43	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	7.02	67	178548	28.74	ng/ul	0.00
11) 2-Chlorophenol-d4	7.22	132	215359	30.21	ng/ul	0.00
15) 4-Methylphenol-d8	8.39	113	214707	29.49	ng/ul	0.00
21) Nitrobenzene-d5	8.83	128	95320	28.88	ng/ul	0.00
24) 2-Nitrophenol-d4	9.55	143	108530	30.20	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.08	165	204747	30.30	ng/ul	0.00
31) 4-Chloroaniline-d4	10.60	131	201935	21.00	ng/ul	0.00
46) Dimethylphthalate-d6	13.73	166	635624	32.51	ng/ul	0.00
49) Acenaphthylene-d8	14.01	160	790156	33.87	ng/ul	0.00
54) 4-Nitrophenol-d4	14.52	143	114658	30.65	ng/ul	0.00
60) Fluorene-d10	15.31	176	513250	31.89	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.43	200	101957	31.12	ng/ul	0.00
73) Anthracene-d10	17.16	188	809770	33.18	ng/ul	0.00
80) Pyrene-d10	19.45	212	856783	33.83	ng/ul	0.00
91) Benzo(a)pyrene-d12	23.31	264	856582	34.60	ng/ul	0.00

Target Compounds

					Ovalue
2) 1,4-Dioxane	3.22	88	13650	4.603	ng/uL# 82
6) Benzaldehyde	6.83	77	220594	41.640	ng/ul 97
10) Bis(2-Chloroethyl)ether	7.11	93	404726	52.723	ng/ul 98
17) N-Nitroso-di-n-propylamine	8.49	70	148729	22.525	ng/ul 97
22) Nitrobenzene	8.87	77	105558	10.513	ng/ul 97
25) 2-Nitrophenol	9.58	139	86531	21.515	ng/ul 96
29) 2,4-Dichlorophenol	10.11	162	150163	22.224	ng/ul 96
30) Naphthalene	10.51	128	270159	11.382	ng/ul 98
33) Hexachlorobutadiene	10.80	225	100135	25.072	ng/ul 96
36) 2-Methylnaphthalene	12.13	142	363277	22.307	ng/ul 95
37) 1-Methylnaphthalene	12.35	142	562664	34.587	ng/ul 98
39) 1,2,4,5-Tetrachlorobenzene	12.50	216	76042	10.244	ng/ul# 96
40) Hexachlorocyclopentadiene	12.48	237	213268	41.605	ng/ul 98
41) 2,4,6-Trichlorophenol	12.74	196	191074	38.023	ng/ul 95
43) 1,1'-Biphenyl	13.15	154	961007	44.622	ng/ul 99
44) 2-Chloronaphthalene	13.19	162	175819	10.693	ng/ul 99
48) 2,6-Dinitrotoluene	13.90	165	154151	39.902	ng/ul 100
50) Acenaphthylene	14.04	152	409926	16.684	ng/ul 99
52) Acenaphthene	14.38	153	204578	11.321	ng/ul 98
53) 2,4-Dinitrophenol	14.43	184	131531	55.024	ng/ul 96
56) Dibenzofuran	14.72	168	272731	11.378	ng/ul 99
61) Fluorene	15.37	166	253518	12.405	ng/ul 99

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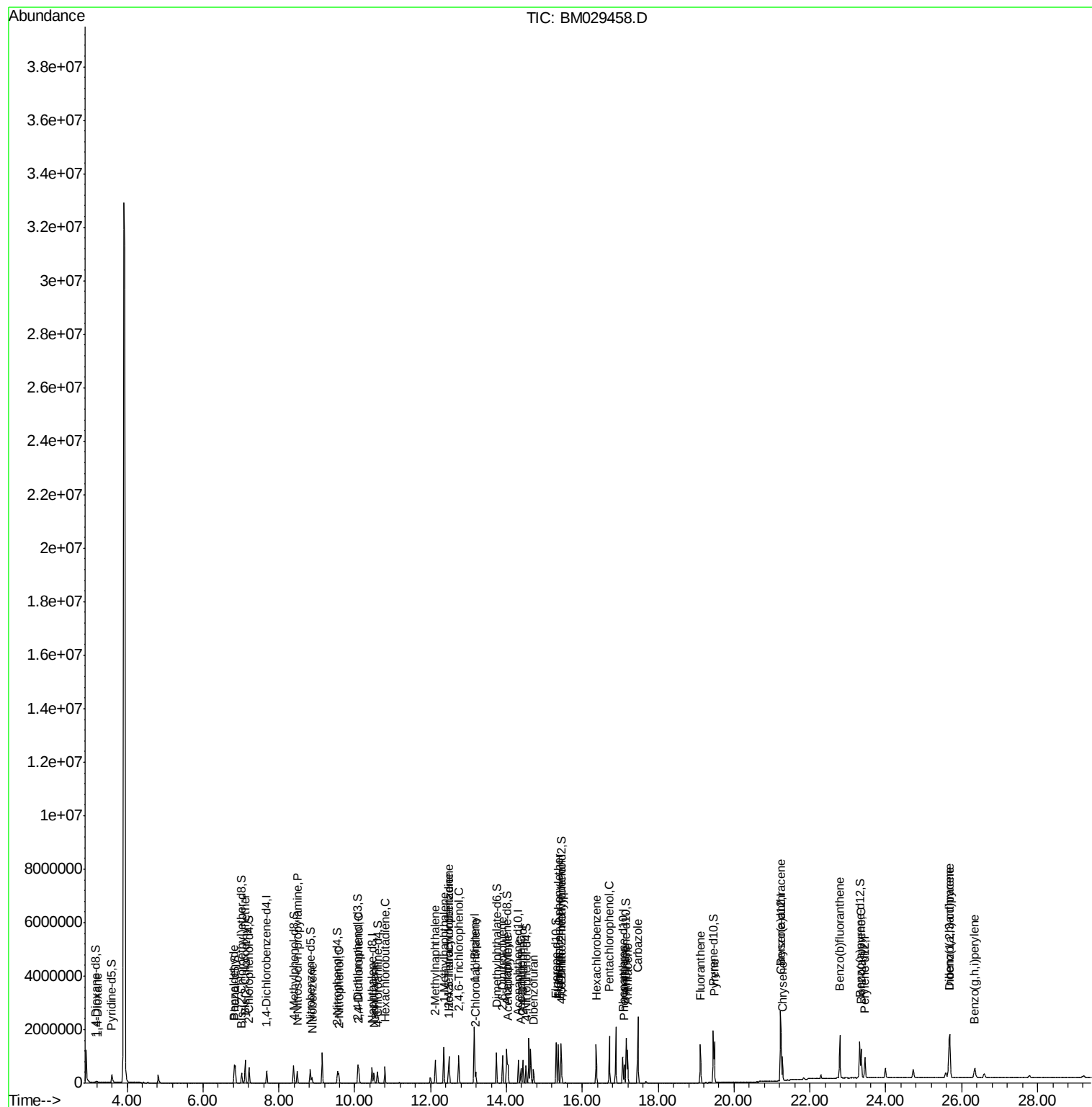
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 4-Chlorophenyl-phenylether	15.36	204	172040	18.837	ng/ul	99
66) 4,6-Dinitro-2-methylphenol	15.45	198	185453	54.627	ng/ul	96
69) Hexachlorobenzene	16.37	284	217199	37.796	ng/ul	98
71) Pentachlorophenol	16.72	266	216550	58.635	ng/ul	97
72) Phenanthrene	17.10	178	366074	11.754	ng/ul	100
74) Anthracene	17.19	178	651251	20.404	ng/ul	100
76) Carbazole	17.46	167	1379561	46.815	ng/ul	99
79) Fluoranthene	19.12	202	761683	22.871	ng/ul	99
81) Pyrene	19.48	202	782510	22.199	ng/ul	99
84) Benzo(a)anthracene	21.23	228	1053557	33.183	ng/ul	99
86) Chrysene	21.27	228	358732	11.699	ng/ul	98
89) Benzo(b)fluoranthene	22.79	252	773699	25.239	ng/ul	99
92) Benzo(a)pyrene	23.36	252	448492	16.492	ng/ul	99
93) Indeno(1,2,3-cd)pyrene	25.67	276	1070100	30.995	ng/ul	97
94) Dibenzo(a,h)anthracene	25.69	278	755628	26.010	ng/ul	99
95) Benzo(g,h,i)perylene	26.34	276	365399	13.081	ng/ul	98

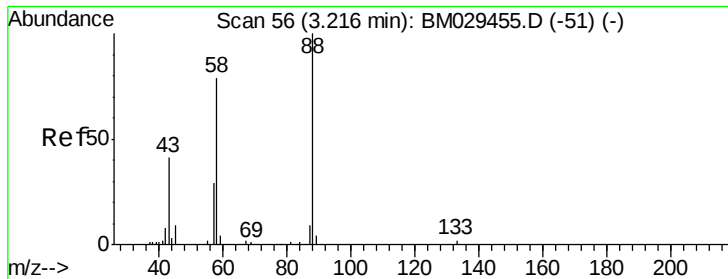
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 4.603 ng/uL

RT: 3.22 min Scan# 56

Delta R.T. 0.00 min

Lab File: BM029458.D

Acq: 13 Apr 2021 13:50

Instrument :

BNA_M

ClientSampled :

X3308

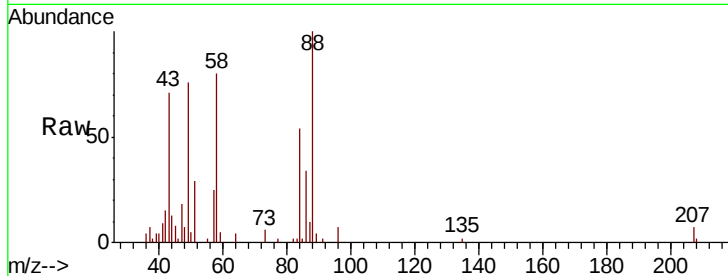
Tot Ion: 88 Resp: 13650

Ion Ratio Lower Upper

88 100

43 70.7 32.4 48.6#

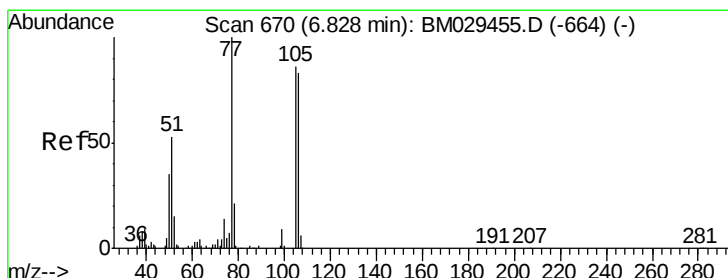
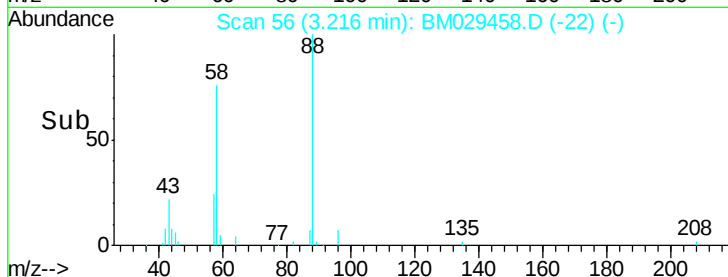
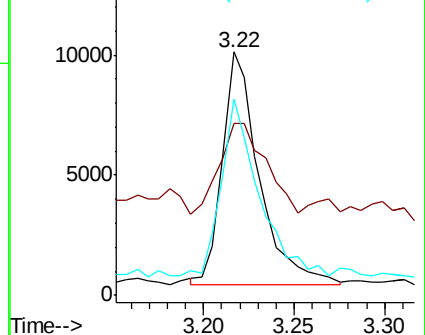
58 80.4 65.9 98.9



Abundance Ion 88.00 (87.70 to 88.70): BM029458.D (-22) (-)

Ion 43.00 (42.70 to 43.70): BM029458.D (-22) (-)

Ion 58.00 (57.70 to 58.70): BM029458.D (-22) (-)



#6

Benzaldehyde

Concen: 41.640 ng/uL

RT: 6.83 min Scan# 670

Delta R.T. 0.00 min

Lab File: BM029458.D

Acq: 13 Apr 2021 13:50

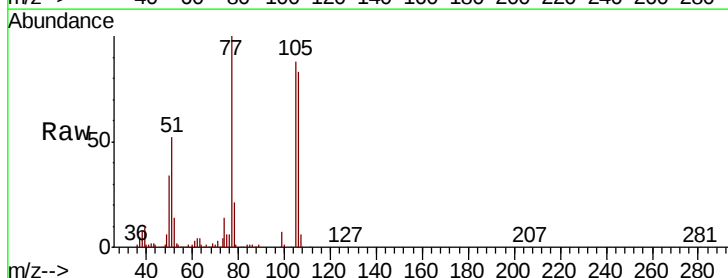
Tgt Ion: 77 Resp: 220594

Ion Ratio Lower Upper

77 100

105 87.9 67.4 101.2

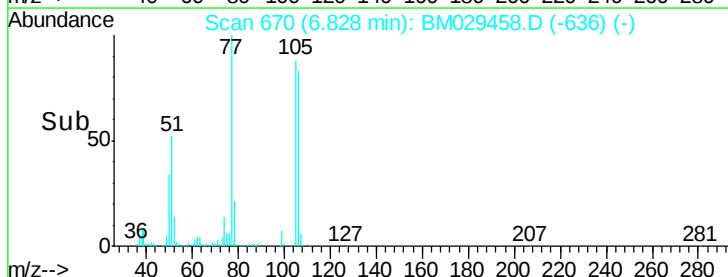
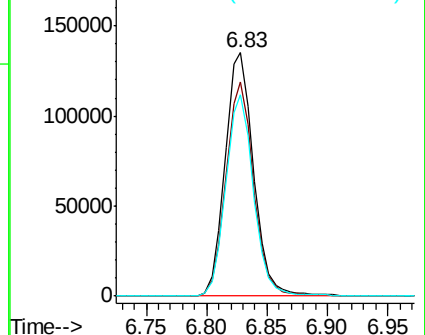
106 83.0 65.3 97.9

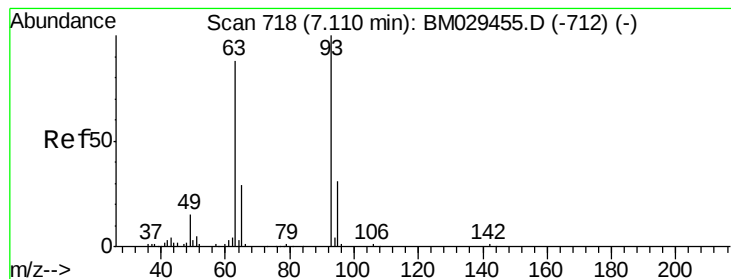


Abundance Ion 77.00 (76.70 to 77.70): BM029458.D (-636) (-)

Ion 105.00 (104.70 to 105.70): BM029458.D (-636) (-)

Ion 106.00 (105.70 to 106.70): BM029458.D (-636) (-)





#10

Bis(2-Chloroethyl)ether

Concen: 52.723 ng/ul

RT: 7.11 min Scan# 718

Delta R.T. 0.00 min

Lab File: BM029458.D

Acq: 13 Apr 2021 13:50

Instrument :

BNA_M

ClientSampleId :

X3308

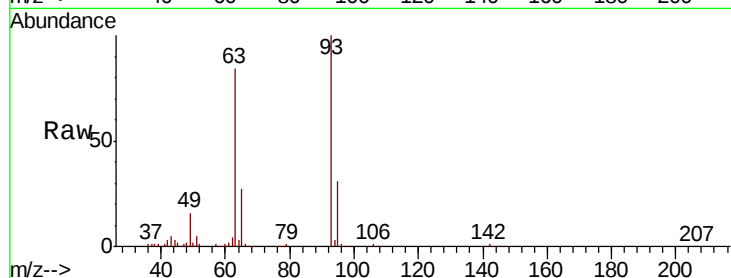
Tot Ion: 93 Resp: 404726

Ion Ratio Lower Upper

93 100

63 84.3 68.5 102.7

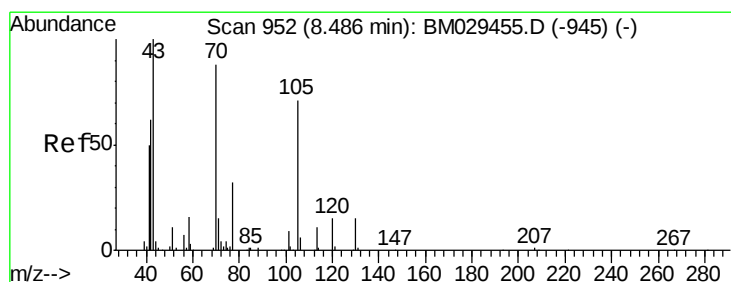
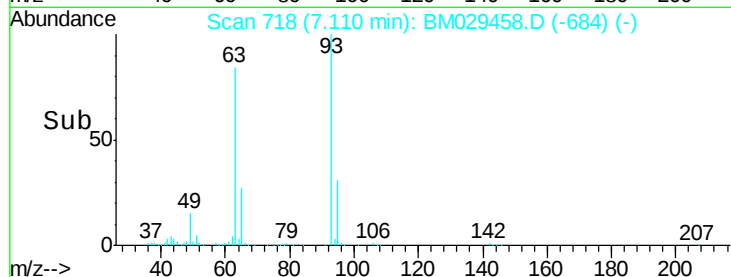
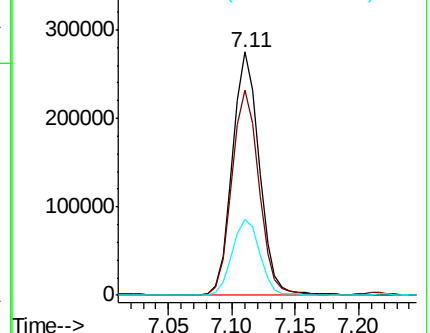
95 31.2 26.5 39.7



Abundance Ion 93.00 (92.70 to 93.70): BM029458.D (-684) (-)

Ion 63.00 (62.70 to 63.70): BM029458.D (-684) (-)

Ion 95.00 (94.70 to 95.70): BM029458.D (-684) (-)



#17

N-Nitroso-di-n-propylamine

Concen: 22.525 ng/ul

RT: 8.49 min Scan# 952

Delta R.T. 0.00 min

Lab File: BM029458.D

Acq: 13 Apr 2021 13:50

Tgt Ion: 70 Resp: 148729

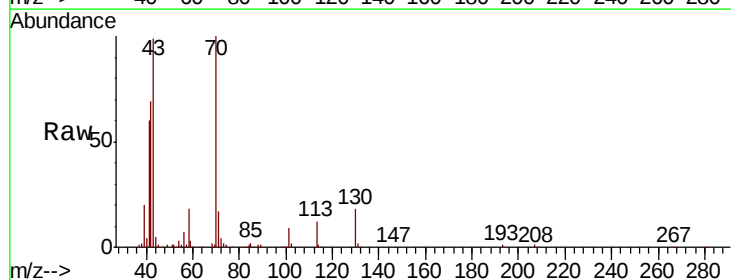
Ion Ratio Lower Upper

70 100

42 68.5 53.0 79.4

101 9.0 7.0 10.4

130 18.1 13.8 20.6

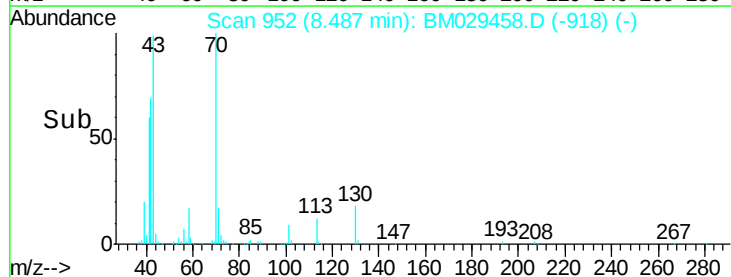
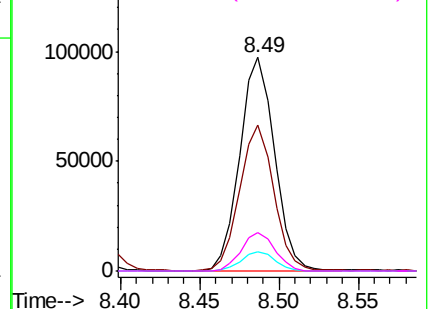


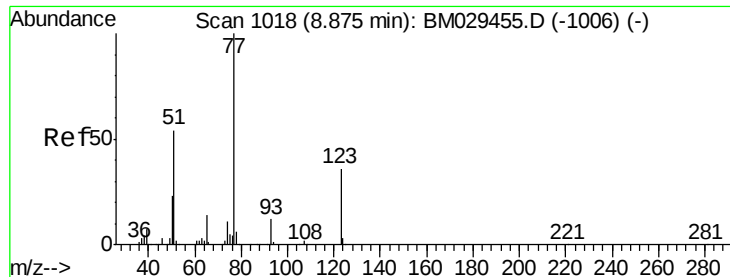
Abundance Ion 70.00 (69.70 to 70.70): BM029458.D (-918) (-)

Ion 42.00 (41.70 to 42.70): BM029458.D (-918) (-)

Ion 101.00 (100.70 to 101.70): BM029458.D (-918) (-)

Ion 130.00 (129.70 to 130.70): BM029458.D (-918) (-)

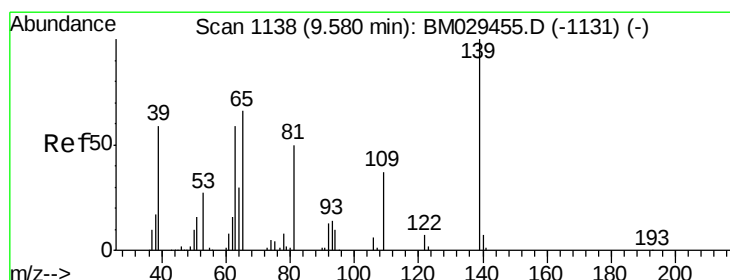
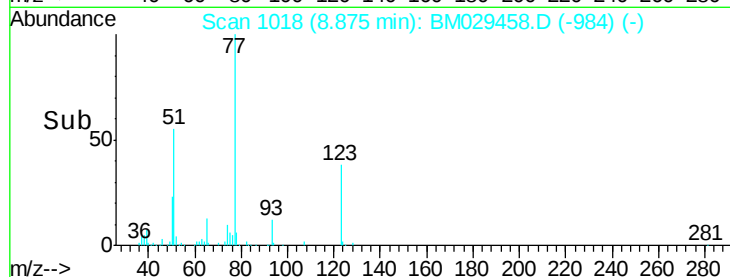
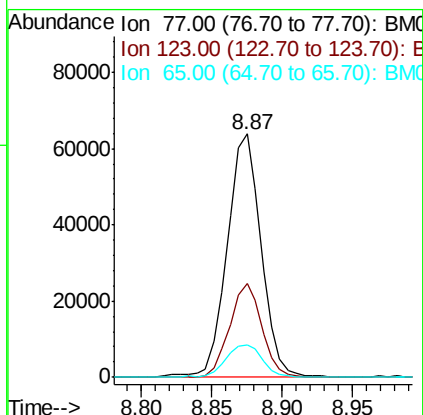
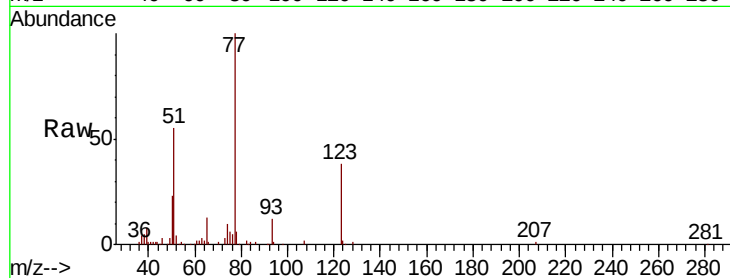




#22
Nitrobenzene
Concen: 10.513 ng/ul
RT: 8.87 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BM029458.D
Acq: 13 Apr 2021 13:50

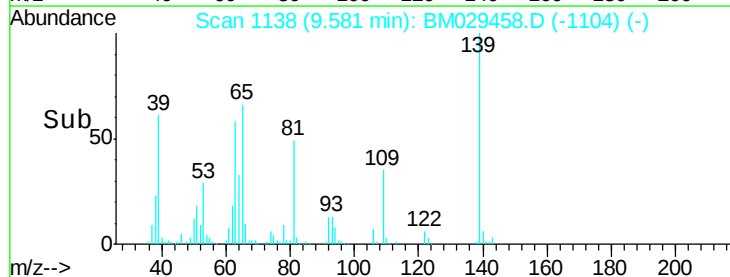
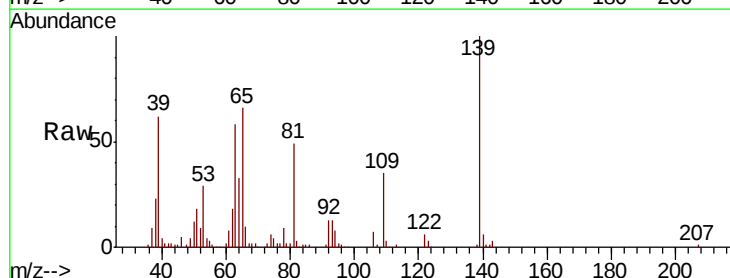
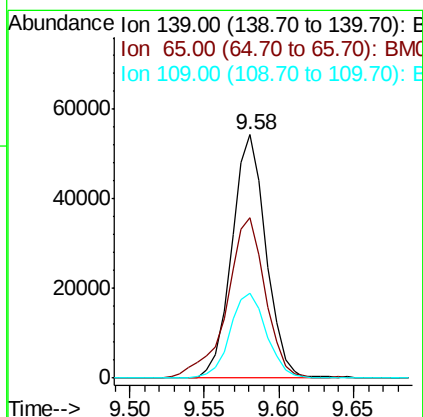
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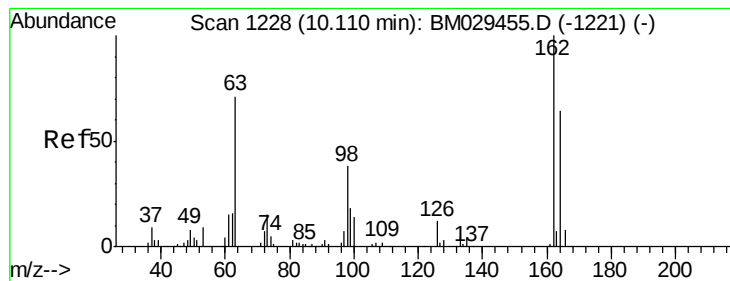
Tot Ion	Ratio	Lower	Upper
77	100		
123	38.4	29.2	43.8
65	13.5	11.2	16.8



#25
2-Nitrophenol
Concen: 21.515 ng/ul
RT: 9.58 min Scan# 1138
Delta R.T. 0.00 min
Lab File: BM029458.D
Acq: 13 Apr 2021 13:50

Tgt Ion	Ratio	Lower	Upper
139	100		
65	65.7	55.1	82.7
109	34.8	29.2	43.8





#29

2,4-Dichlorophenol

Concen: 22.224 ng/ul

RT: 10.11 min Scan# 1228

Delta R.T. 0.00 min

Lab File: BM029458.D

Acq: 13 Apr 2021 13:50

Instrument :

BNA_M

ClientSampleId :

X3308

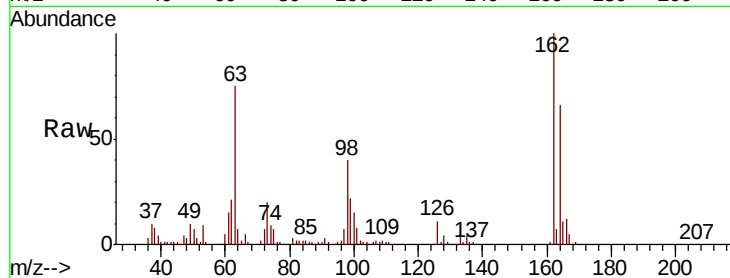
Tot Ion:162 Resp: 150163

Ion Ratio Lower Upper

162 100

164 65.9 49.9 74.9

98 40.0 33.0 49.4

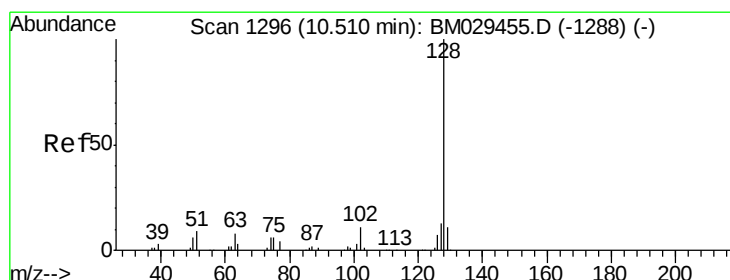
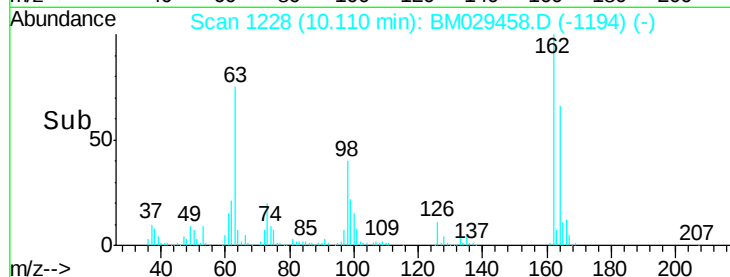
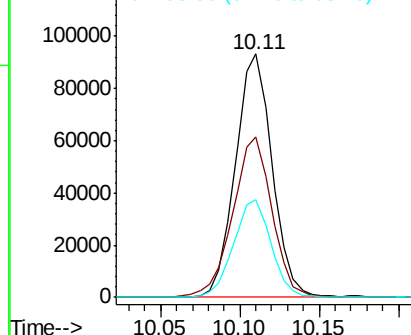


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BMO



#30

Naphthalene

Concen: 11.382 ng/ul

RT: 10.51 min Scan# 1296

Delta R.T. 0.00 min

Lab File: BM029458.D

Acq: 13 Apr 2021 13:50

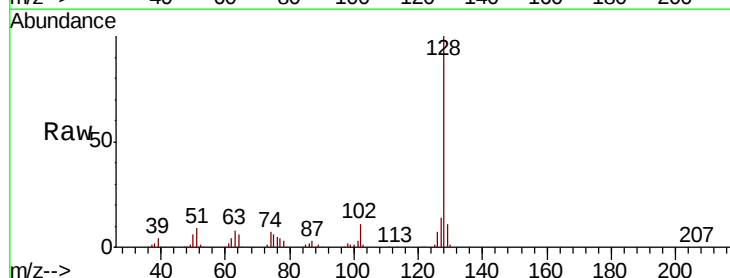
Tgt Ion:128 Resp: 270159

Ion Ratio Lower Upper

128 100

129 10.5 8.9 13.3

127 14.3 10.4 15.6

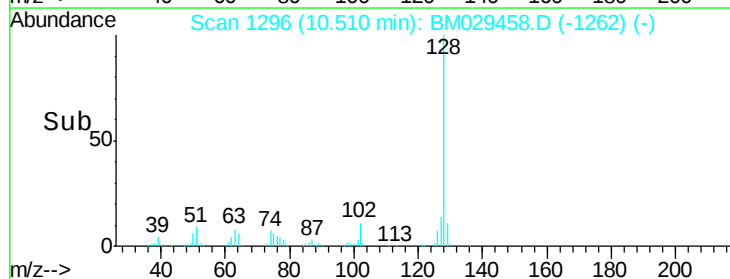
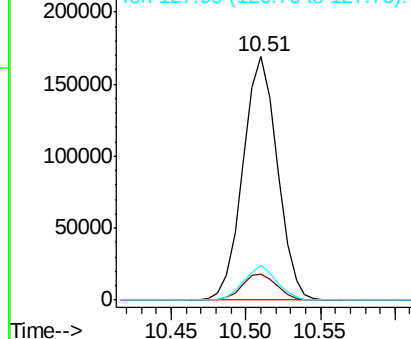


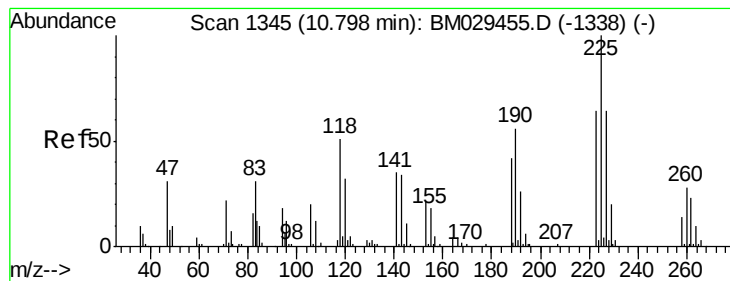
Abundance

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





#33

Hexachlorobutadiene

Concen: 25.072 ng/ul

RT: 10.80 min Scan# 1345

Delta R.T. 0.00 min

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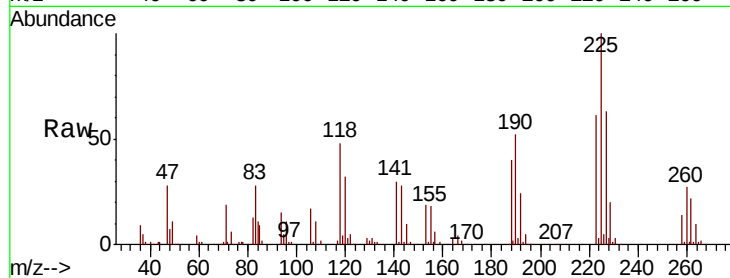
Tot Ion:225 Resp: 100135

Ion Ratio Lower Upper

225 100

223 60.5 51.3 76.9

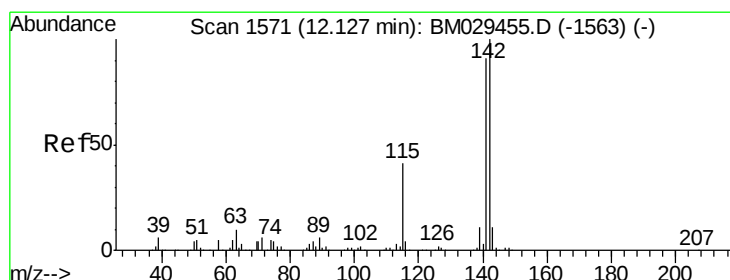
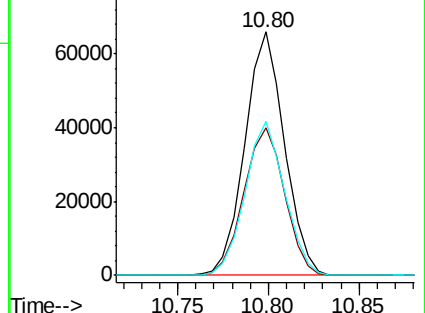
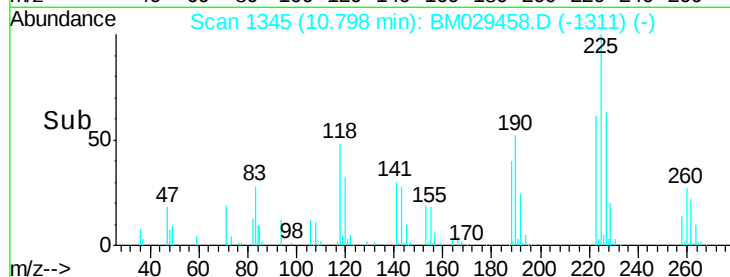
227 63.4 53.4 80.0



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#36

2-Methylnaphthalene

Concen: 22.307 ng/ul

RT: 12.13 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BM029458.D

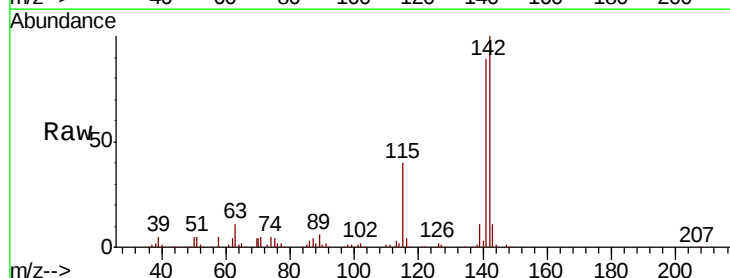
Acq: 13 Apr 2021 13:50

Tgt Ion:142 Resp: 363277

Ion Ratio Lower Upper

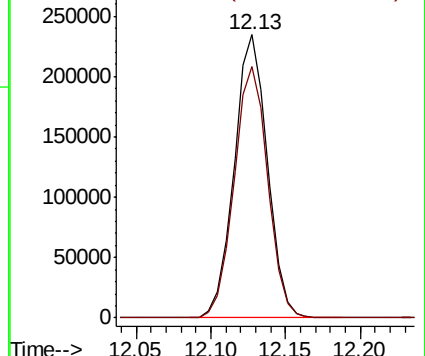
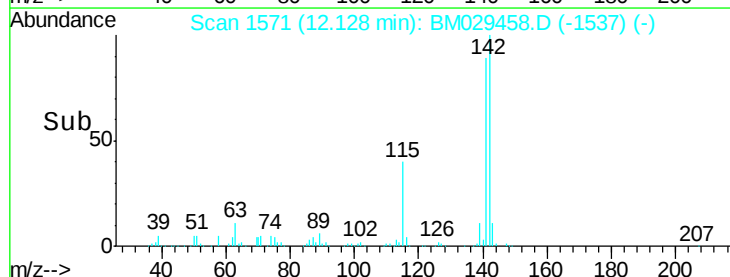
142 100

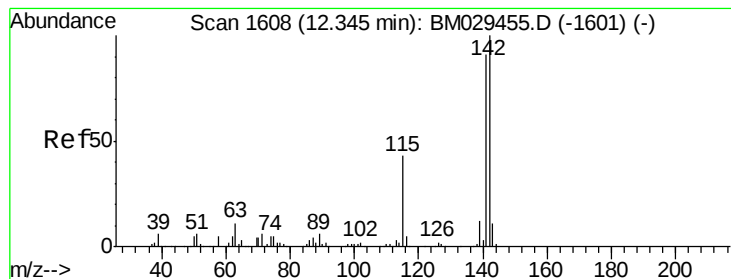
141 88.8 74.6 112.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#37

1-Methylnaphthalene

Concen: 34.587 ng/ul

RT: 12.35 min Scan# 1609

Delta R.T. 0.00 min

Lab File: BM029458.D

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X3308

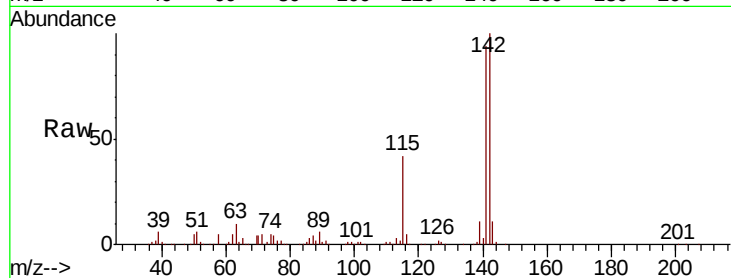
Tot Ion:142 Resp: 562664

Ion Ratio Lower Upper

142 100

141 93.5 73.2 109.8

116 4.5 3.5 5.3

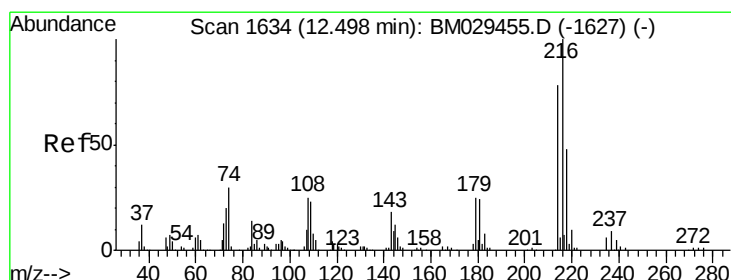
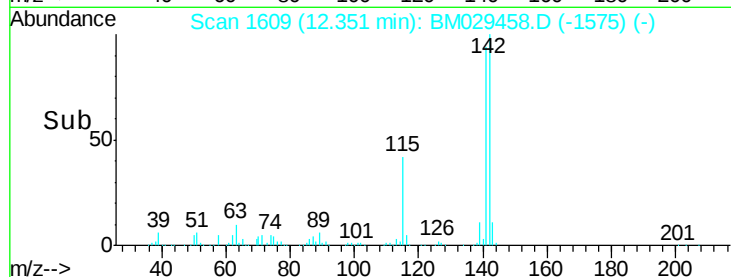
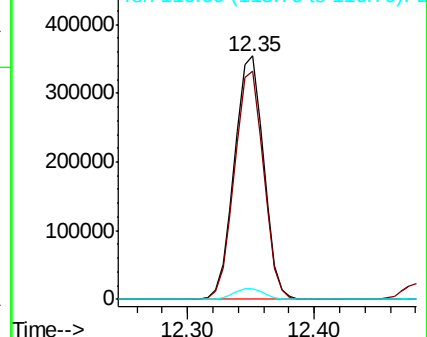


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 10.244 ng/ul

RT: 12.50 min Scan# 1634

Delta R.T. -0.01 min

Lab File: BM029458.D

Acq: 13 Apr 2021 13:50

Tgt Ion:216 Resp: 76042

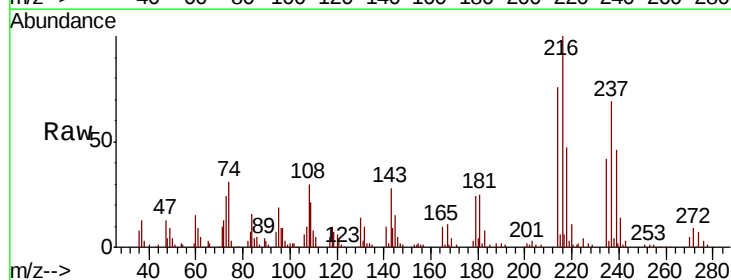
Ion Ratio Lower Upper

216 100

214 76.1 63.0 94.4

179 23.9 19.3 28.9

108 30.0 18.6 28.0#



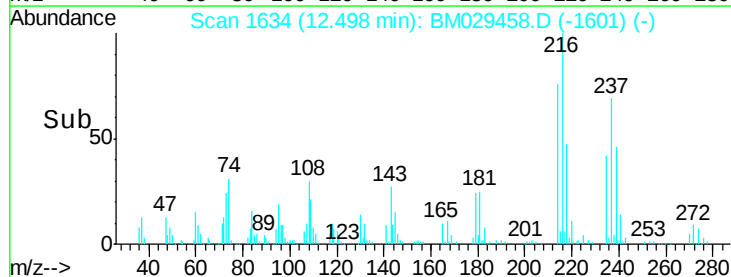
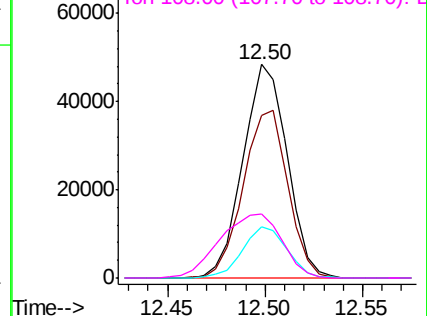
Abundance

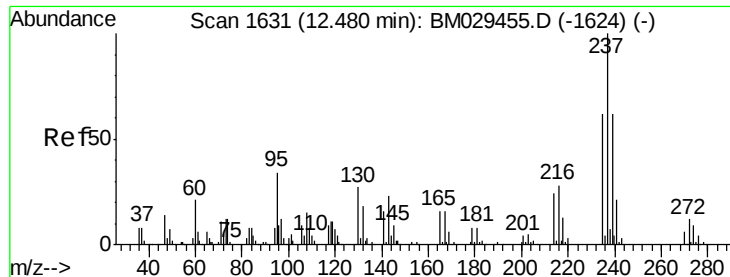
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

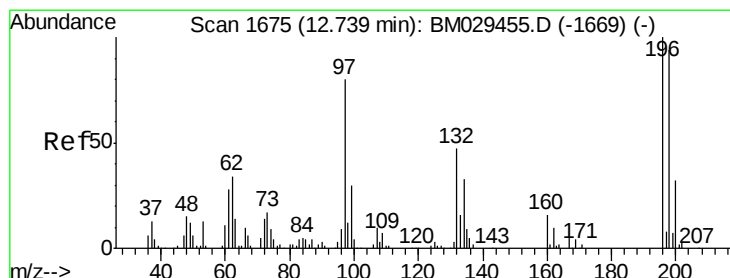
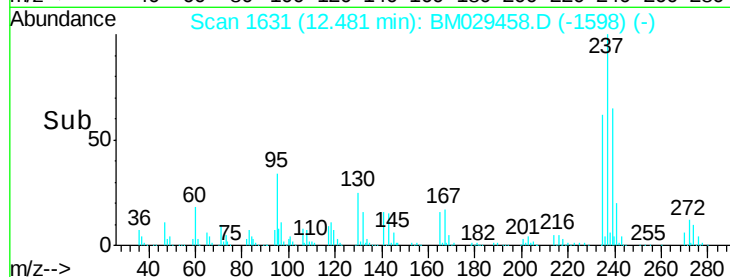
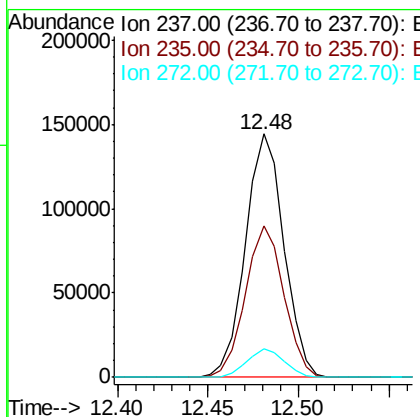
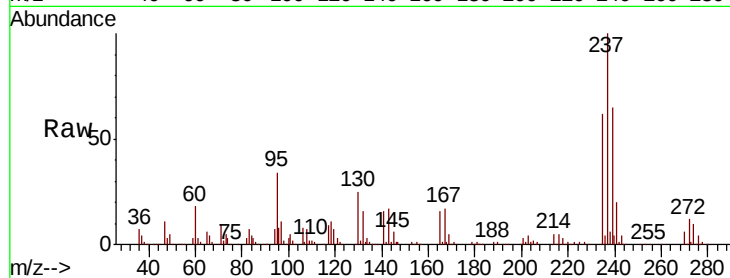




#40
Hexachlorocyclopentadiene
Concen: 41.605 ng/ul
RT: 12.48 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BM029458.D
Acq: 13 Apr 2021 13:50

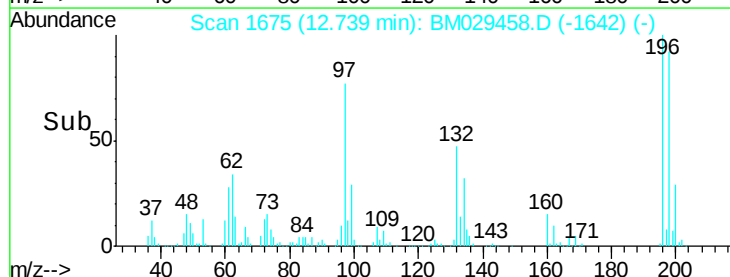
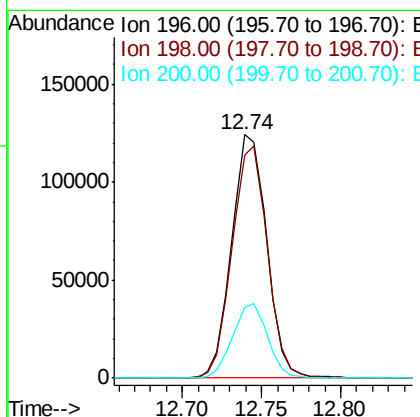
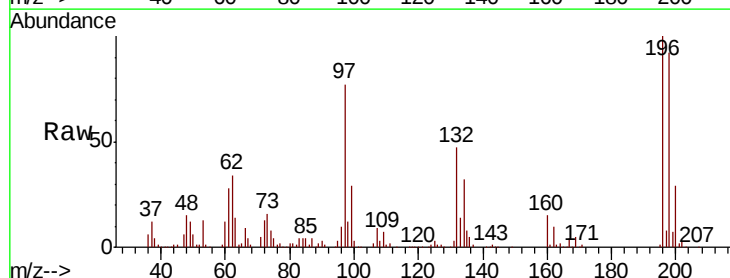
Instrument :
BNA_M
ClientSampleId :
X3308

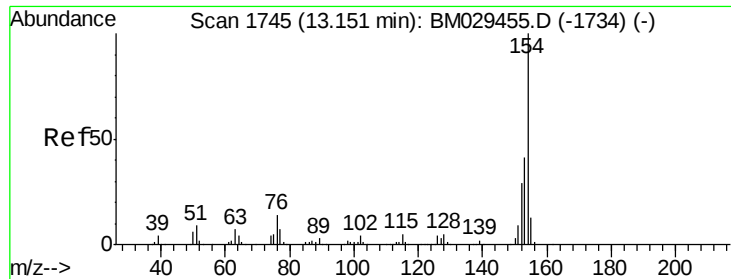
Tot Ion	Ratio	Lower	Upper
237	100		
235	62.2	50.8	76.2
272	12.2	10.6	15.8



#41
2,4,6-Trichlorophenol
Concen: 38.023 ng/ul
RT: 12.74 min Scan# 1675
Delta R.T. -0.01 min
Lab File: BM029458.D
Acq: 13 Apr 2021 13:50

Tgt Ion	Ratio	Lower	Upper
196	100		
198	91.7	78.5	117.7
200	29.3	24.1	36.1

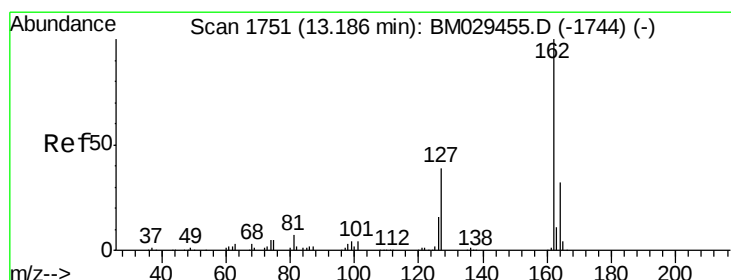
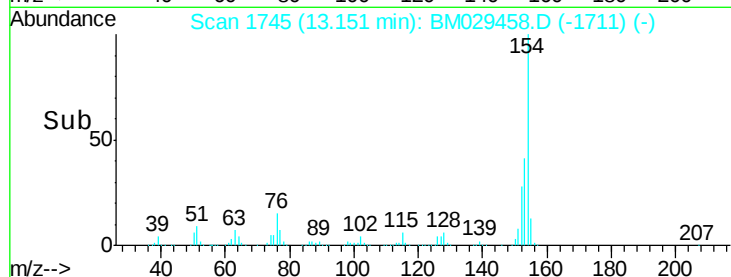
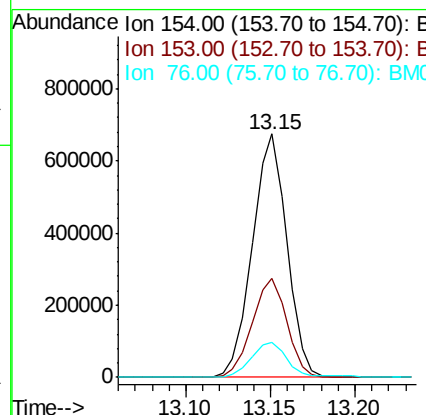
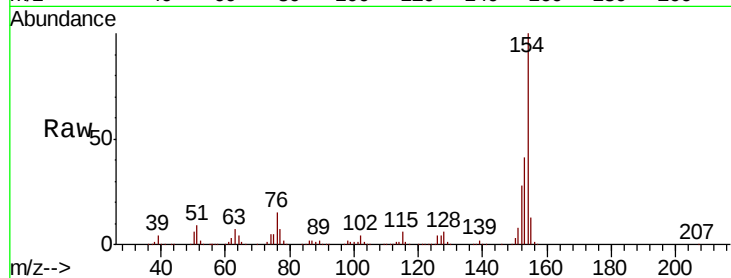




#43
 1,1'-Biphenyl
 Concen: 44.622 ng/ul
 RT: 13.15 min Scan# 1745
 Delta R.T. 0.00 min
 Lab File: BM029458.D
 Acq: 13 Apr 2021 13:50

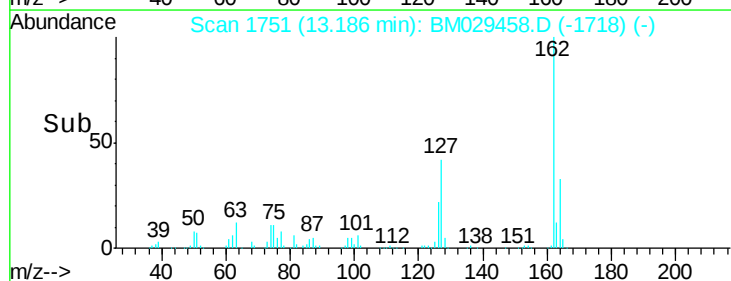
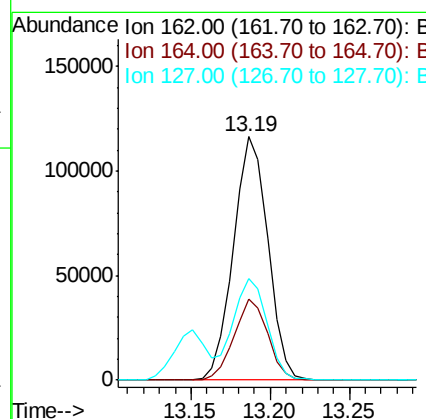
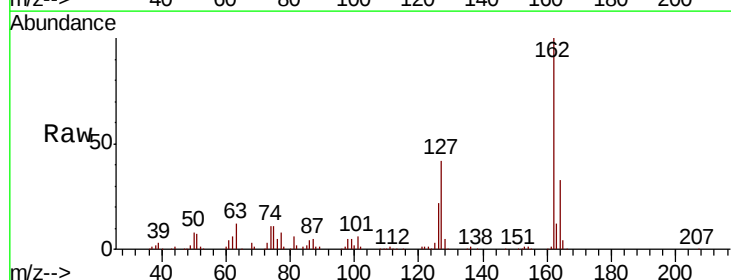
Instrument :
 BNA_M
 ClientSampled :
 X3308

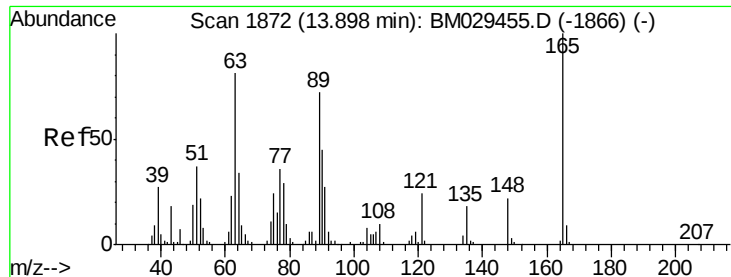
Tot Ion:	154	Resp:	961007
Ion	Ratio	Lower	Upper
154	100		
153	40.9	33.5	50.3
76	14.6	11.8	17.6



#44
 2-Chloronaphthalene
 Concen: 10.693 ng/ul
 RT: 13.19 min Scan# 1751
 Delta R.T. -0.01 min
 Lab File: BM029458.D
 Acq: 13 Apr 2021 13:50

Tgt Ion:	162	Resp:	175819
Ion	Ratio	Lower	Upper
162	100		
164	33.1	26.0	39.0
127	41.9	32.8	49.2

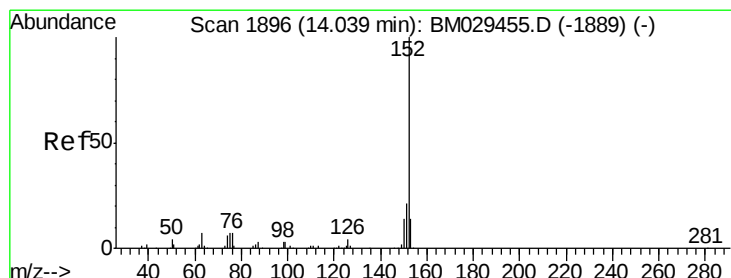
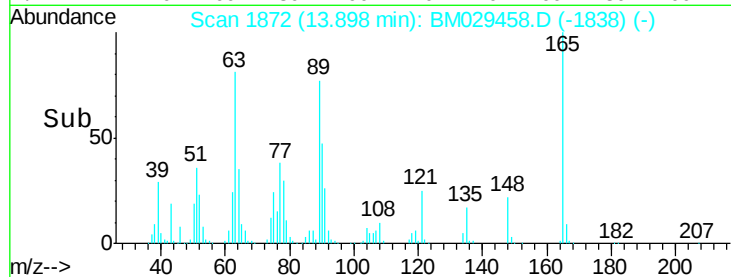
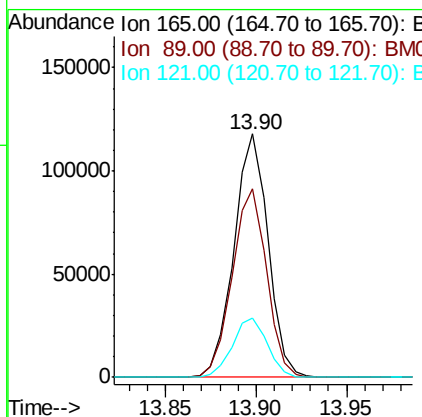
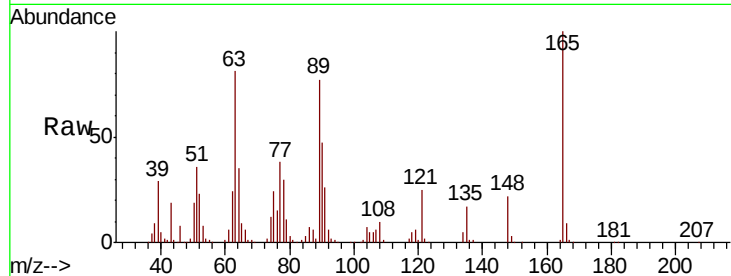




#48
 2,6-Dinitrotoluene
 Concen: 39.902 ng/ul
 RT: 13.90 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: BM029458.D
 Acq: 13 Apr 2021 13:50

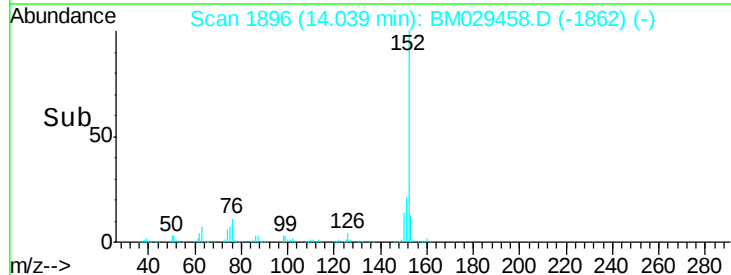
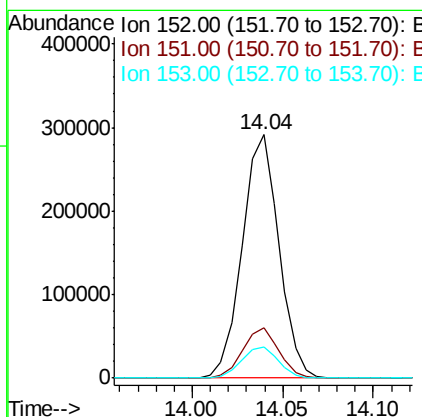
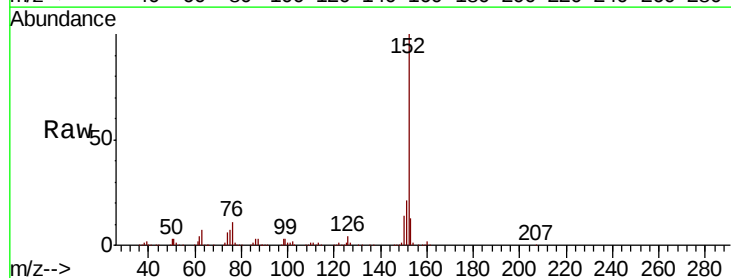
Instrument :
 BNA_M
 ClientSampleId :
 X3308

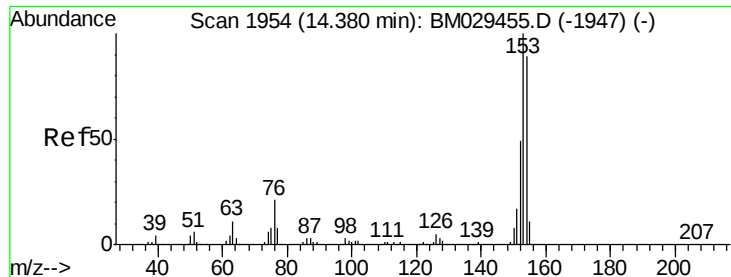
Tot Ion	Ratio	Lower	Upper
165	100		
89	77.3	62.1	93.1
121	24.6	19.6	29.4



#50
 Acenaphthylene
 Concen: 16.684 ng/ul
 RT: 14.04 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: BM029458.D
 Acq: 13 Apr 2021 13:50

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.4	24.6
153	13.0	10.2	15.4





#52

Acenaphthene

Concen: 11.321 ng/ul

RT: 14.38 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BM029458.D

Acq: 13 Apr 2021 13:50

Instrument :

BNA_M

ClientSampleId :

X3308

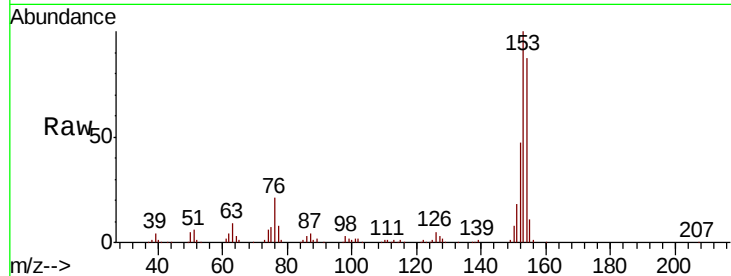
Tot Ion:153 Resp: 204578

Ion Ratio Lower Upper

153 100

152 46.7 38.3 57.5

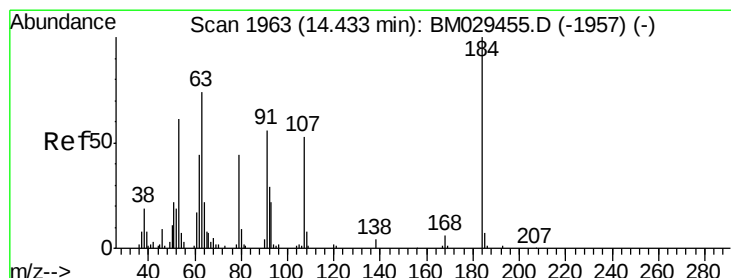
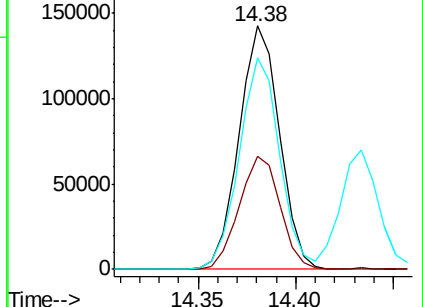
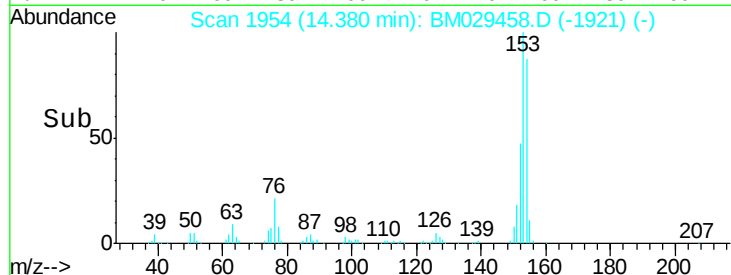
154 86.7 71.3 106.9



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

2,4-Dinitrophenol

Concen: 55.024 ng/ul

RT: 14.43 min Scan# 1963

Delta R.T. 0.00 min

Lab File: BM029458.D

Acq: 13 Apr 2021 13:50

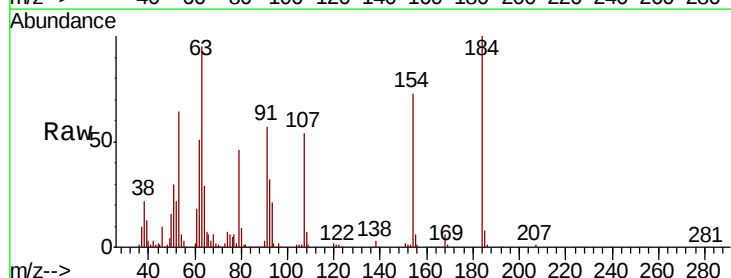
Tgt Ion:184 Resp: 131531

Ion Ratio Lower Upper

184 100

63 95.5 80.6 120.8

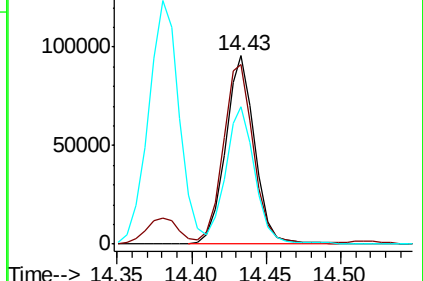
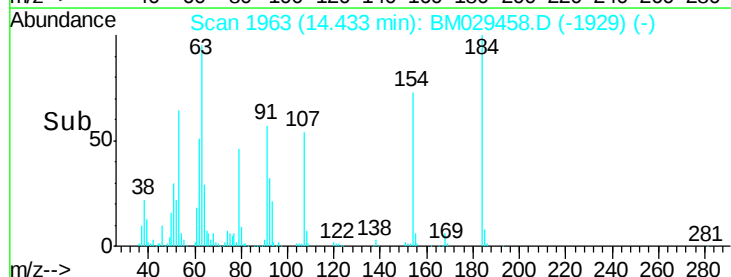
154 72.9 60.0 90.0

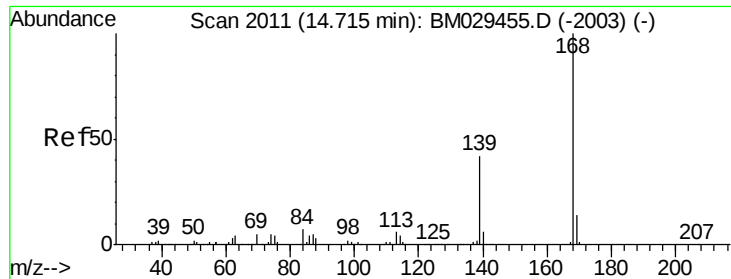


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 154.00 (153.70 to 154.70): E





#56

Dibenzenofuran

Concen: 11.378 ng/ul

RT: 14.72 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BM029458.D

Acq: 13 Apr 2021 13:50

Instrument :

BNA_M

ClientSampleId :

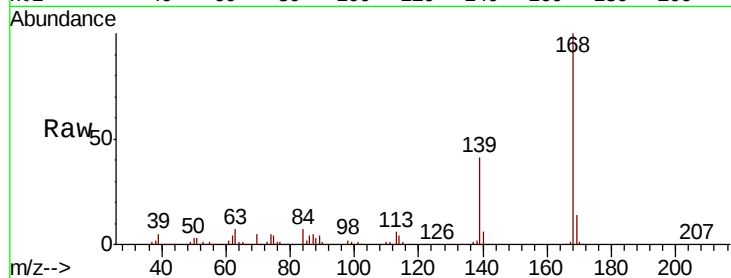
X3308

Tot Ion:168 Resp: 272731

Ion Ratio Lower Upper

168 100

139 40.6 33.1 49.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

200000

150000

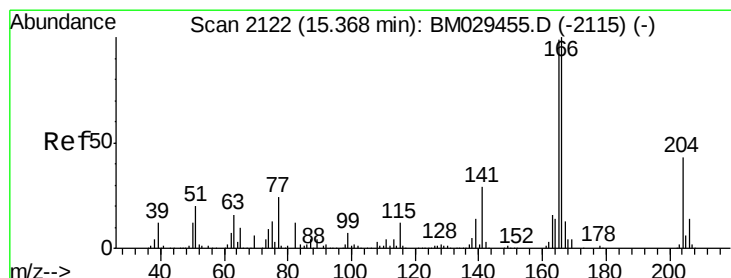
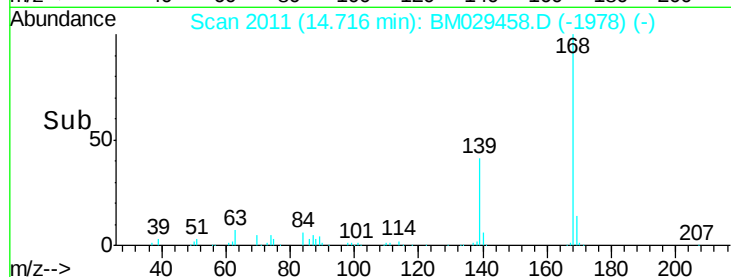
100000

50000

0

14.65 14.70 14.75 14.80

Time-->



#61

Fluorene

Concen: 12.405 ng/ul

RT: 15.37 min Scan# 2122

Delta R.T. 0.00 min

Lab File: BM029458.D

Acq: 13 Apr 2021 13:50

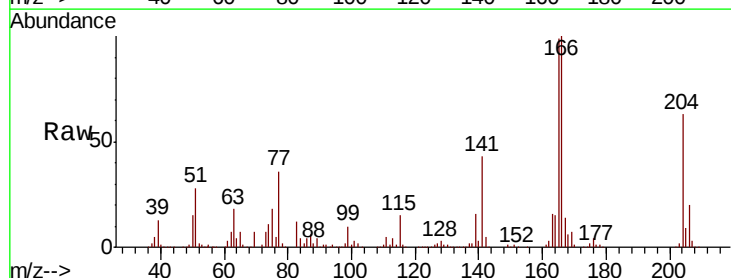
Tgt Ion:166 Resp: 253518

Ion Ratio Lower Upper

166 100

165 98.7 79.8 119.6

167 13.5 10.7 16.1



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

250000

200000

150000

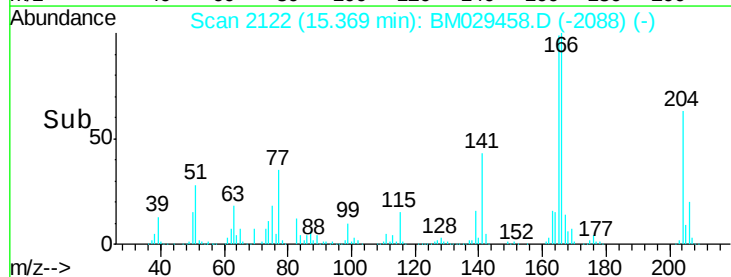
100000

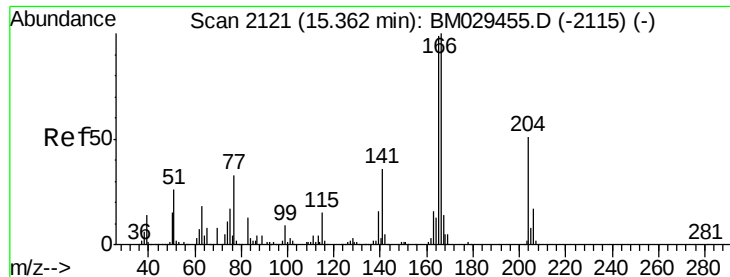
50000

0

15.30 15.35 15.40

Time-->

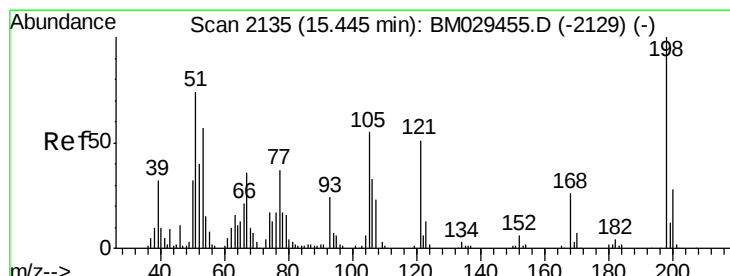
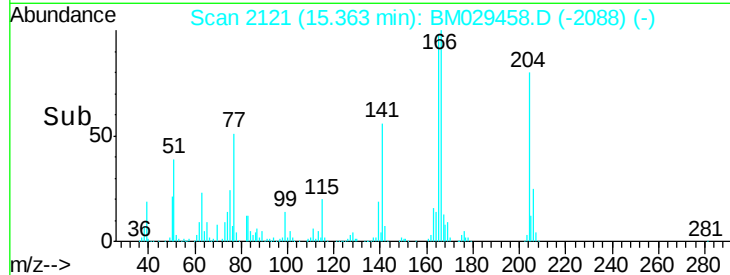
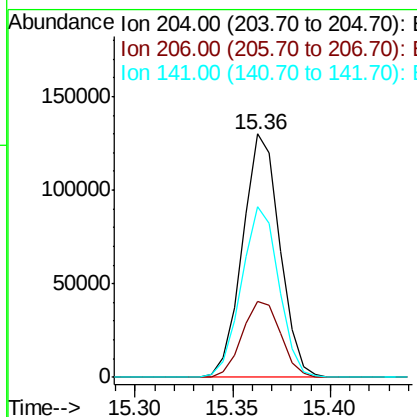
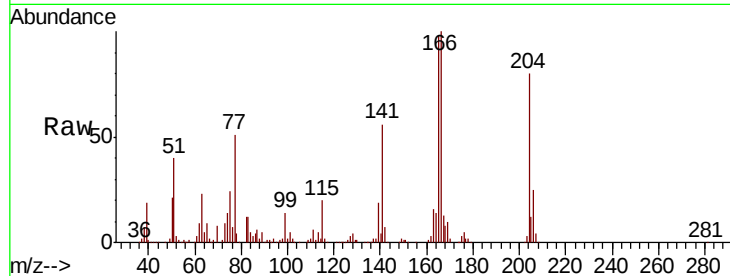




#62
 4-Chlorophenyl-phenylether
 Concen: 18.837 ng/ul
 RT: 15.36 min Scan# 2121
 Delta R.T. -0.01 min
 Lab File: BM029458.D
 Acq: 13 Apr 2021 13:50

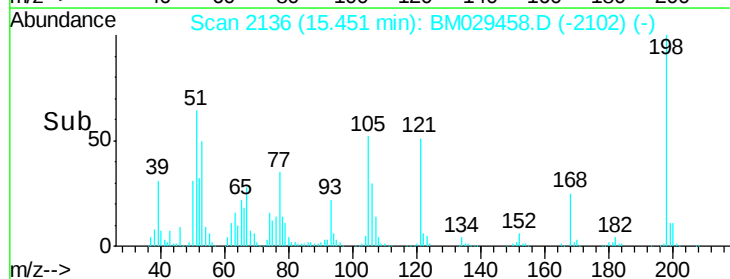
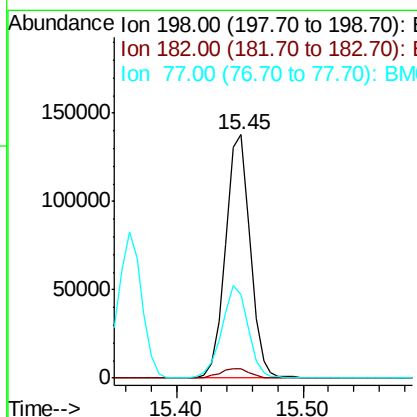
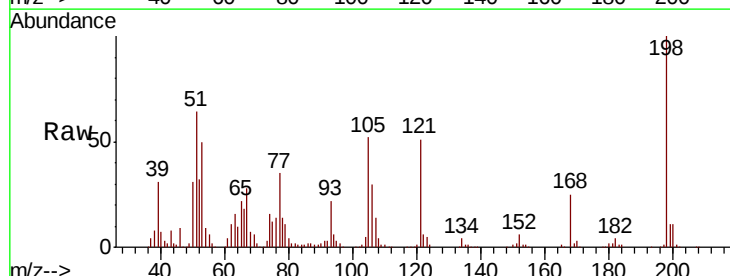
Instrument :
 BNA_M
 ClientSampled :
 X3308

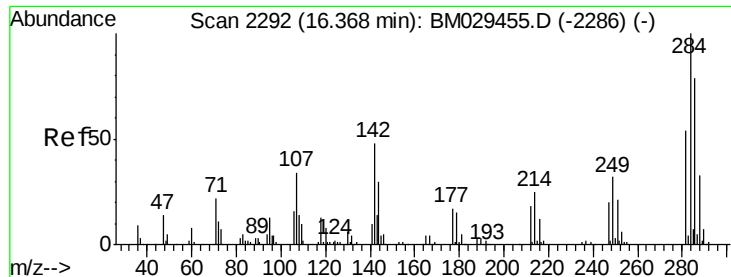
Tot Ion:204 Resp: 172040
 Ion Ratio Lower Upper
 204 100
 206 31.2 26.1 39.1
 141 70.2 55.8 83.8



#66
 4,6-Dinitro-2-methylphenol
 Concen: 54.627 ng/ul
 RT: 15.45 min Scan# 2136
 Delta R.T. 0.00 min
 Lab File: BM029458.D
 Acq: 13 Apr 2021 13:50

Tgt Ion:198 Resp: 185453
 Ion Ratio Lower Upper
 198 100
 182 4.1 3.5 5.3
 77 34.5 29.8 44.6





#69

Hexachlorobenzene

Concen: 37.796 ng/ul

RT: 16.37 min Scan# 2292

Delta R.T. 0.00 min

Lab File: BM029458.D

Acq: 13 Apr 2021 13:50

Instrument :

BNA_M

ClientSampleId :

X3308

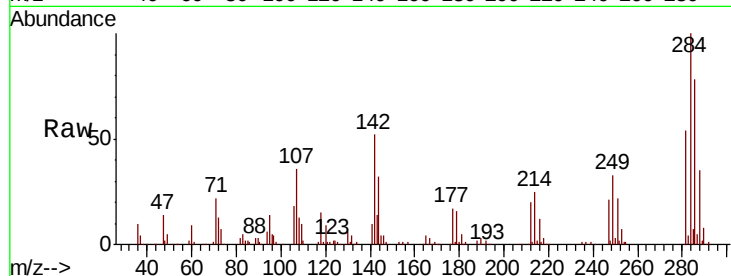
Tot Ion:284 Resp: 217199

Ion Ratio Lower Upper

284 100

142 51.6 42.6 64.0

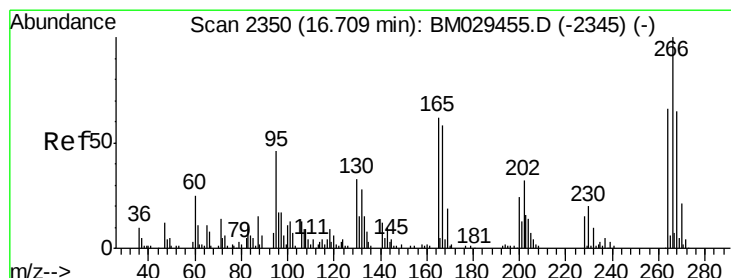
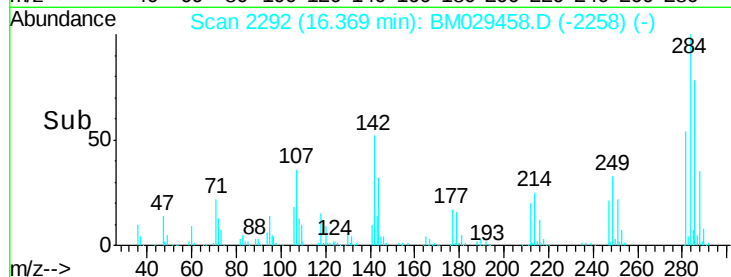
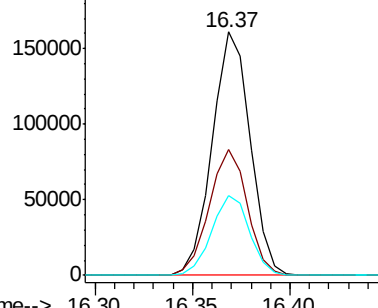
249 33.0 26.4 39.6



Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#71

Pentachlorophenol

Concen: 58.635 ng/ul

RT: 16.72 min Scan# 2351

Delta R.T. 0.00 min

Lab File: BM029458.D

Acq: 13 Apr 2021 13:50

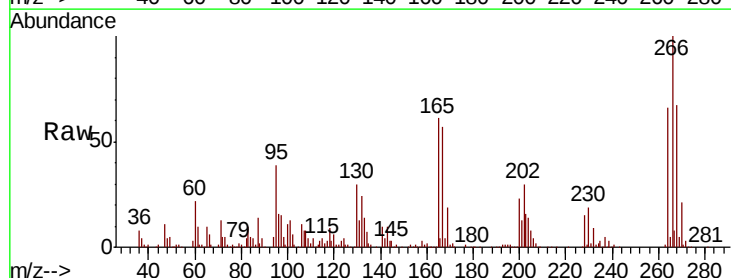
Tgt Ion:266 Resp: 216550

Ion Ratio Lower Upper

266 100

264 65.9 49.8 74.8

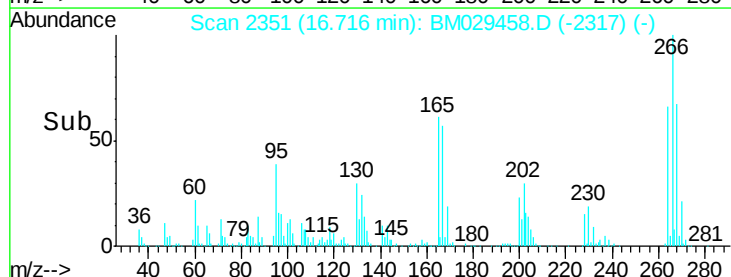
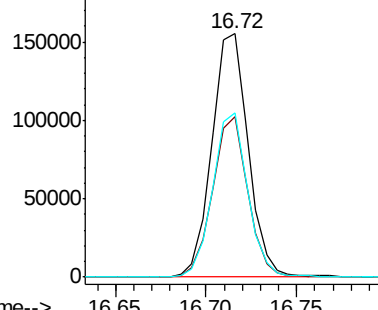
268 67.2 55.1 82.7

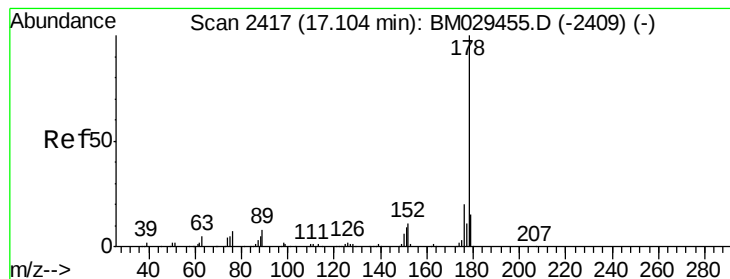


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#72

Phenanthrene

Concen: 11.754 ng/ul

RT: 17.10 min Scan# 2417

Delta R.T. 0.00 min

Lab File: BM029458.D

Acq: 13 Apr 2021 13:50

Instrument :

BNA_M

ClientSampleId :

X3308

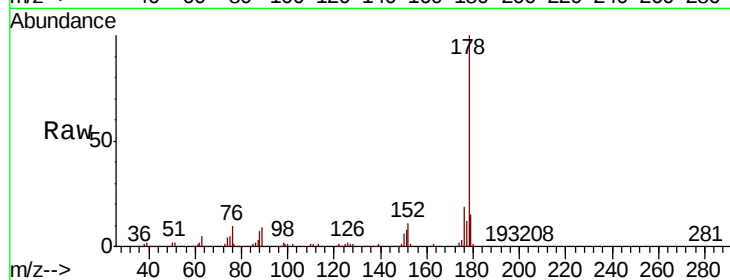
Tot Ion:178 Resp: 366074

Ion Ratio Lower Upper

178 100

179 15.0 11.8 17.8

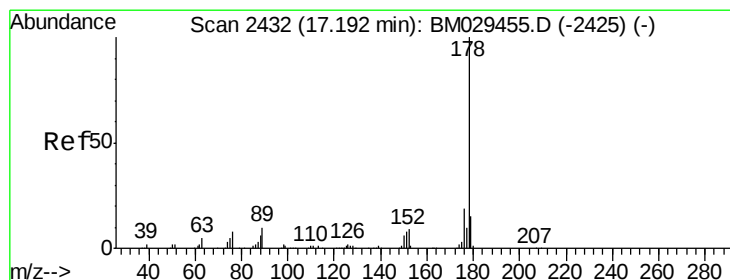
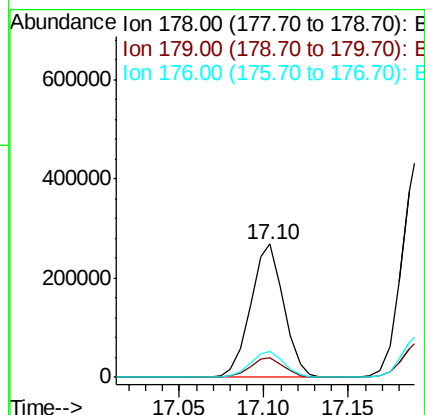
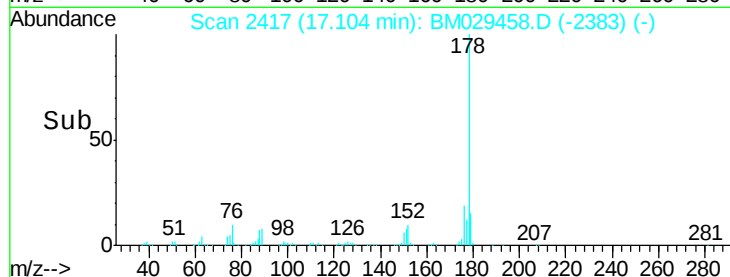
176 19.2 15.5 23.3



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

Anthracene

Concen: 20.404 ng/ul

RT: 17.19 min Scan# 2432

Delta R.T. 0.00 min

Lab File: BM029458.D

Acq: 13 Apr 2021 13:50

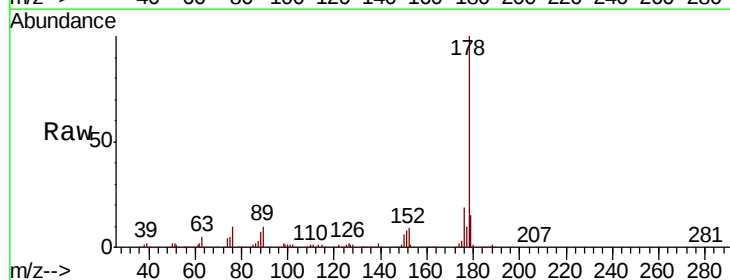
Tgt Ion:178 Resp: 651251

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.2

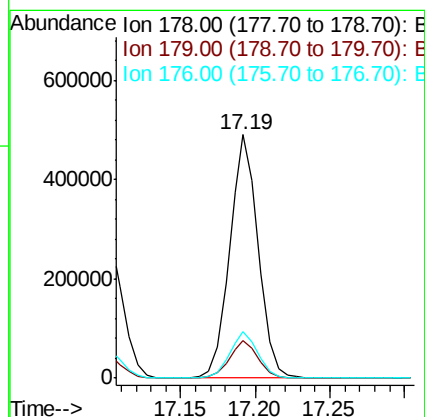
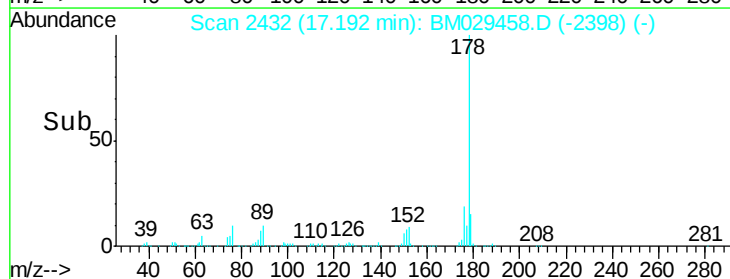
176 19.0 15.2 22.8

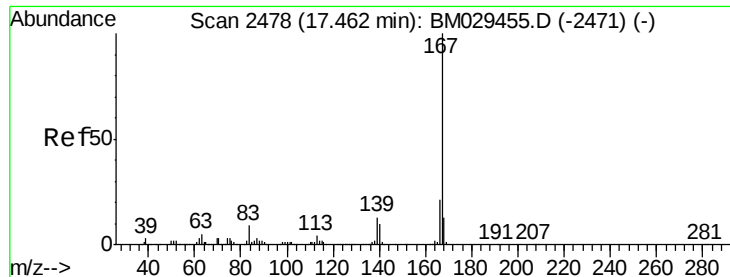


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



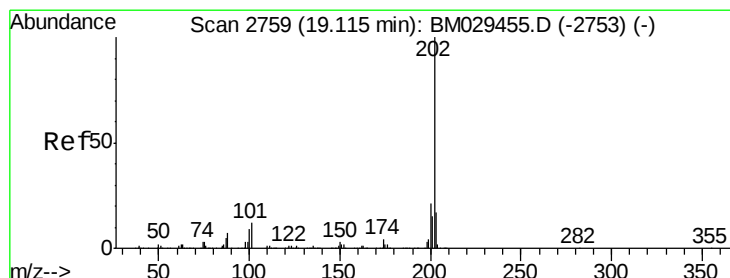
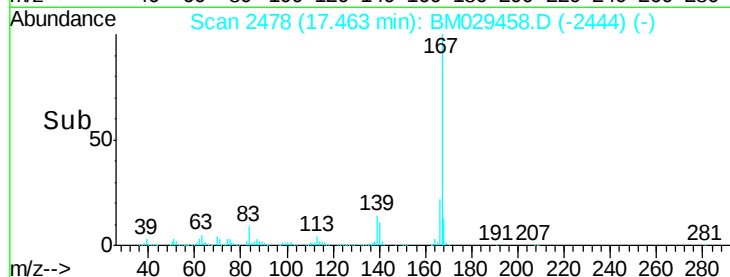
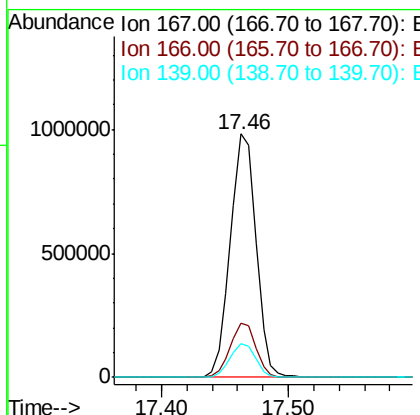
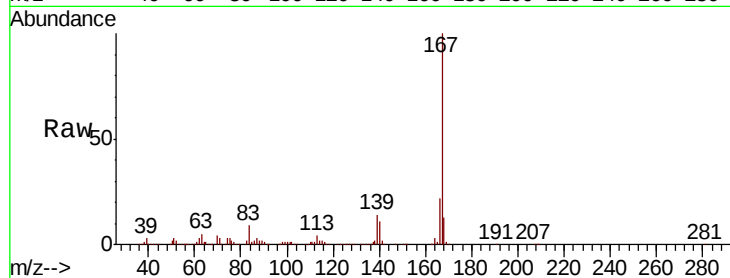


#76
 Carbazole
 Concen: 46.815 ng/ul
 RT: 17.46 min Scan# 2478
 Delta R.T. 0.00 min
 Lab File: BM029458.D
 Acq: 13 Apr 2021 13:50

Instrument :
 BNA_M
 ClientSampleId :
 X3308

Tot Ion:167 Resp: 1379561

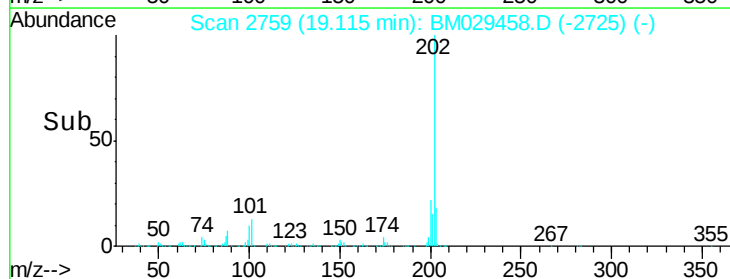
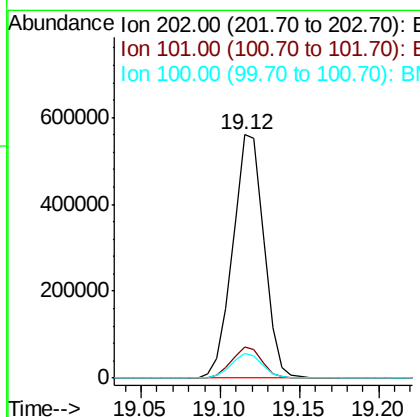
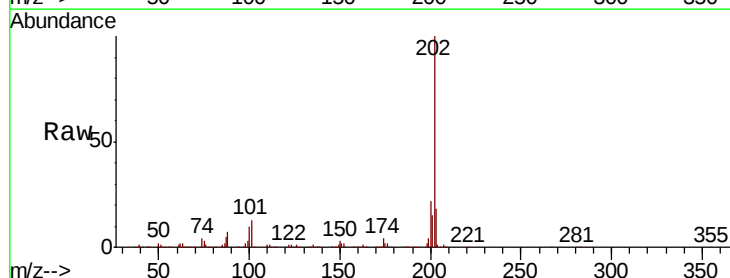
Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.7	26.5
139	13.9	11.4	17.0

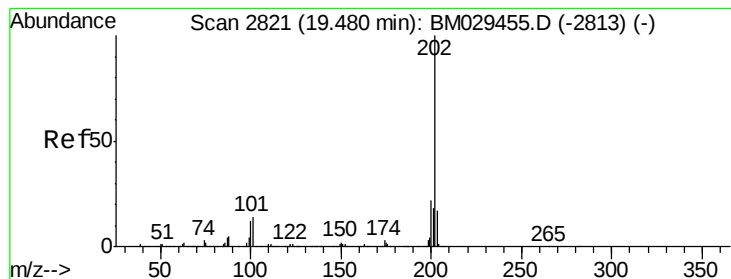


#79
 Fluoranthene
 Concen: 22.871 ng/ul
 RT: 19.12 min Scan# 2759
 Delta R.T. 0.00 min
 Lab File: BM029458.D
 Acq: 13 Apr 2021 13:50

Tgt Ion:202 Resp: 761683

Ion	Ratio	Lower	Upper
202	100		
101	13.0	10.5	15.7
100	10.2	8.6	12.8





#81

Pvrene

Concen: 22.199 ng/ul

RT: 19.48 min Scan# 2821

Delta R.T. 0.00 min

Lab File: BM029458.D

Acq: 13 Apr 2021 13:50

Instrument :

BNA_M

ClientSampleId :

X3308

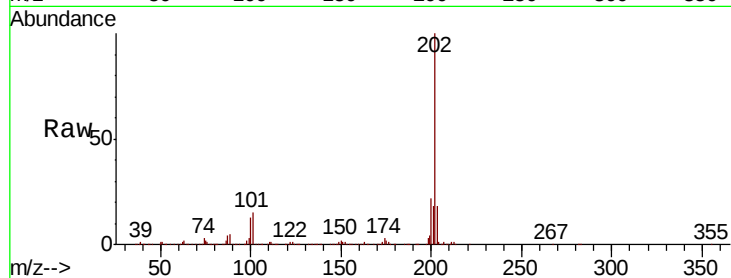
Tot Ion:202 Resp: 782510

Ion Ratio Lower Upper

202 100

101 14.8 12.0 18.0

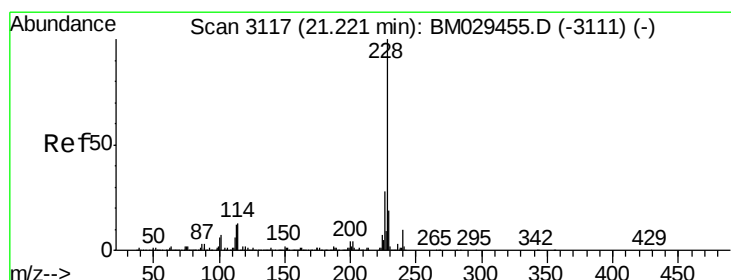
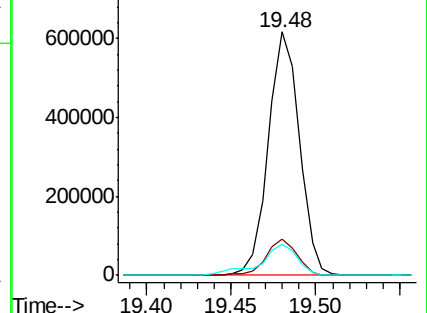
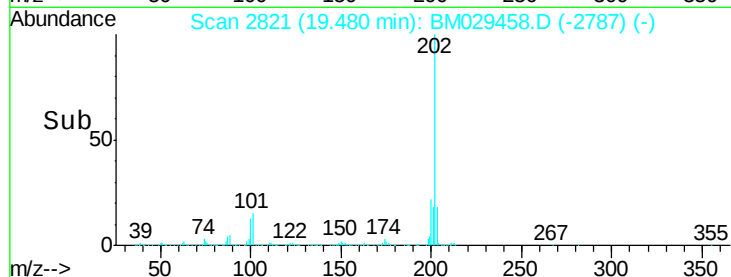
100 12.8 9.8 14.8



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



#84

Benzo(a)anthracene

Concen: 33.183 ng/ul

RT: 21.23 min Scan# 3118

Delta R.T. 0.01 min

Lab File: BM029458.D

Acq: 13 Apr 2021 13:50

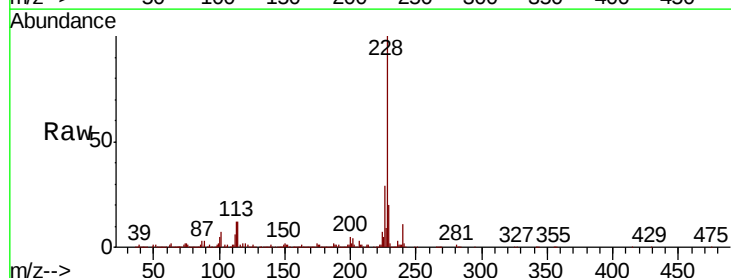
Tgt Ion:228 Resp: 1053557

Ion Ratio Lower Upper

228 100

229 19.8 15.7 23.5

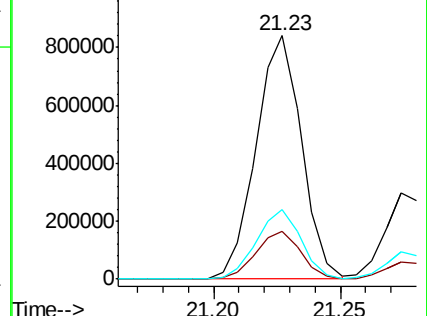
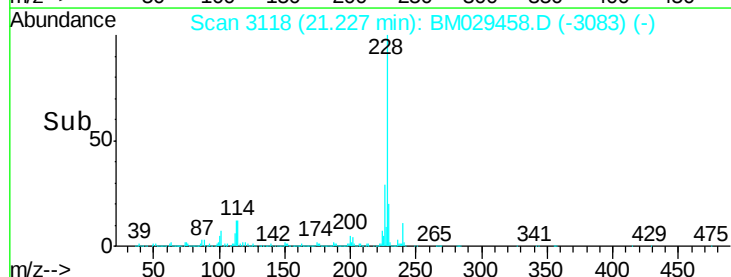
226 28.5 22.3 33.5

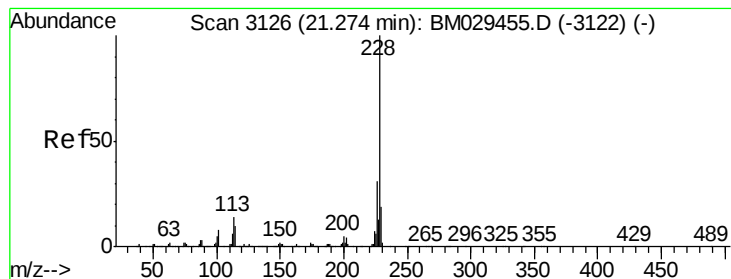


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#86

Chrysene

Concen: 11.699 ng/ul

RT: 21.27 min Scan# 3126

Delta R.T. 0.00 min

Lab File: BM029458.D

Acq: 13 Apr 2021 13:50

Instrument :

BNA_M

ClientSampled :

X3308

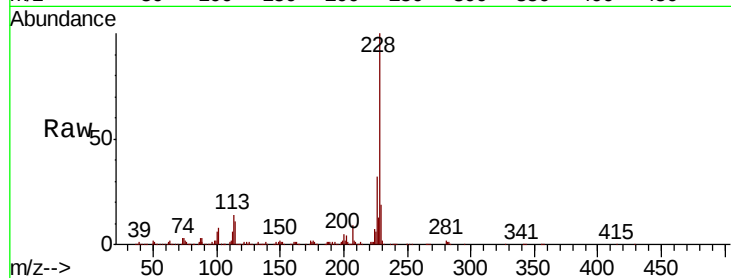
Tot Ion:228 Resp: 358732

Ion Ratio Lower Upper

228 100

226 31.6 24.2 36.4

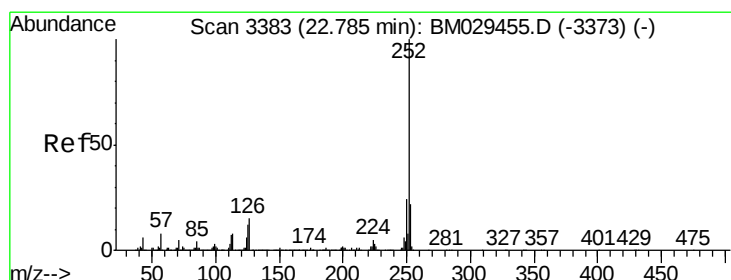
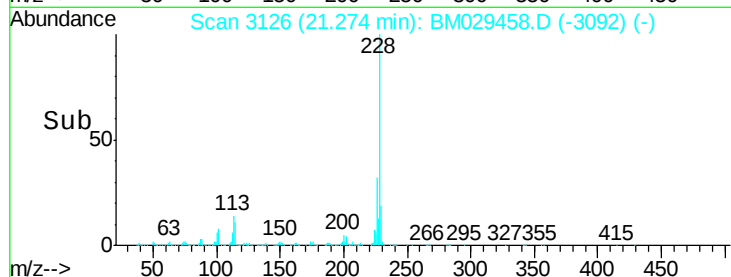
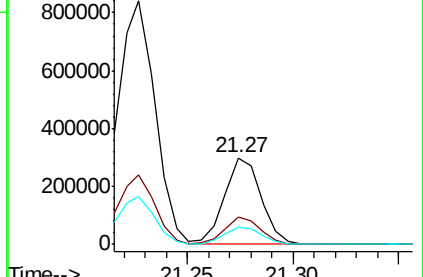
229 19.2 15.4 23.2



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



#89

Benzo(b)fluoranthene

Concen: 25.239 ng/ul

RT: 22.79 min Scan# 3383

Delta R.T. 0.00 min

Lab File: BM029458.D

Acq: 13 Apr 2021 13:50

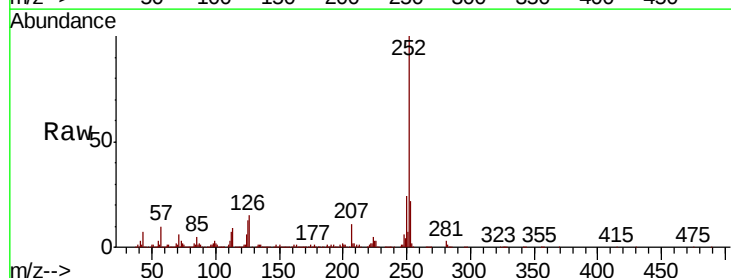
Tgt Ion:252 Resp: 773699

Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

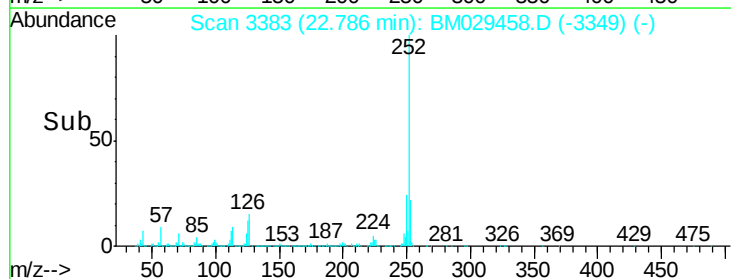
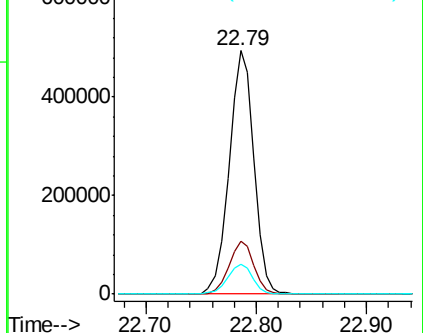
125 12.5 9.4 14.2

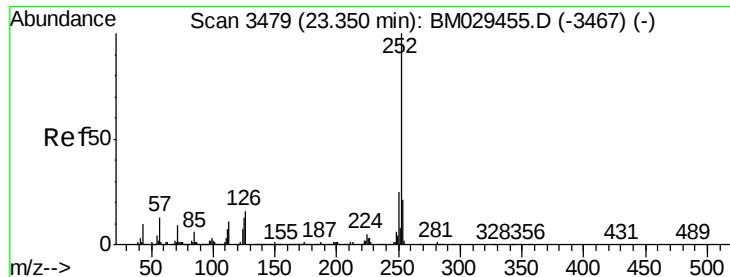


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a)pyrene

Concen: 16.492 ng/ul

RT: 23.36 min Scan# 3480

Delta R.T. 0.01 min

Lab File: BM029458.D

Acq: 13 Apr 2021 13:50

Instrument :

BNA_M

ClientSampleId :

X3308

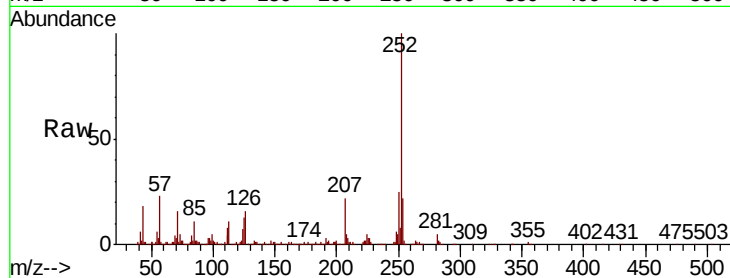
Tot Ion:252 Resp: 448492

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

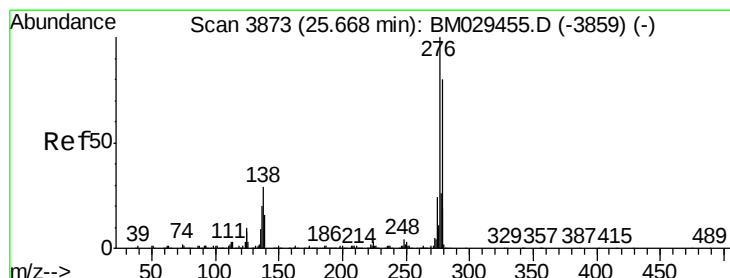
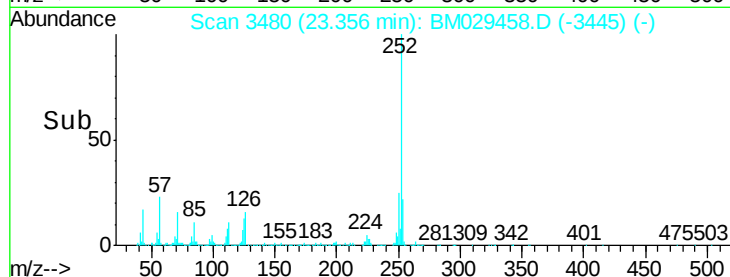
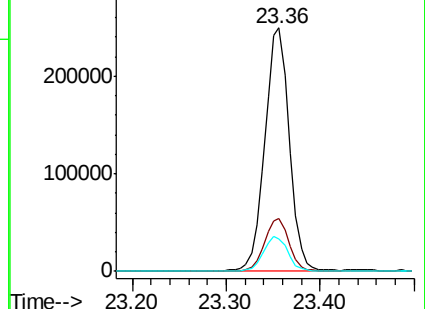
125 13.2 11.1 16.7



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



#93

Indeno(1,2,3-cd)pyrene

Concen: 30.995 ng/ul

RT: 25.67 min Scan# 3874

Delta R.T. 0.01 min

Lab File: BM029458.D

Acq: 13 Apr 2021 13:50

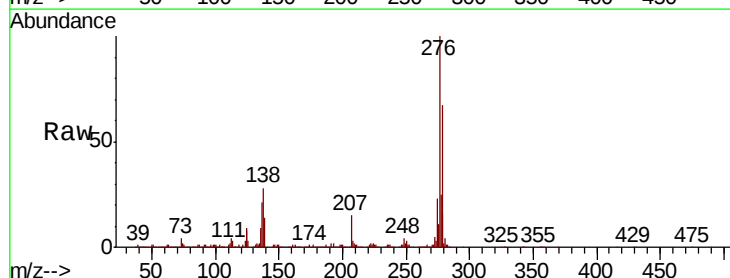
Tgt Ion:276 Resp: 1070100

Ion Ratio Lower Upper

276 100

138 27.6 24.2 36.4

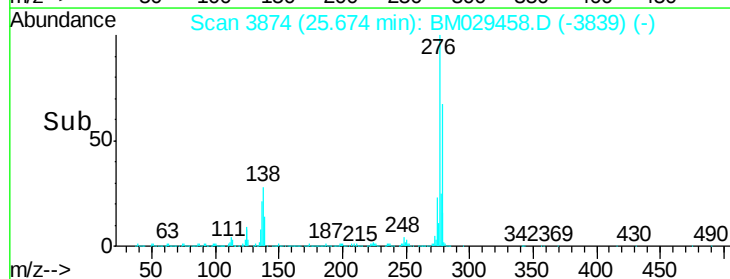
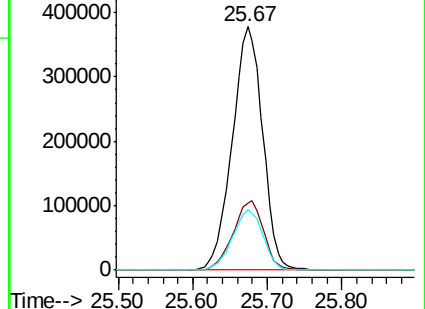
277 24.9 20.6 30.8

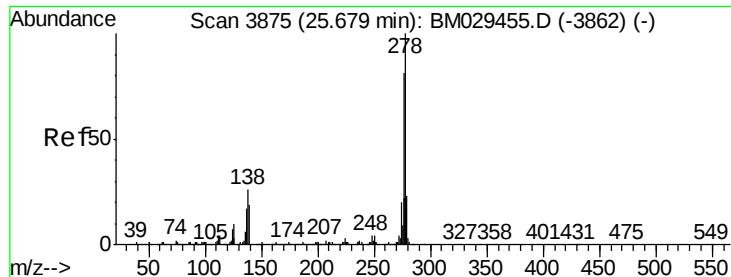


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

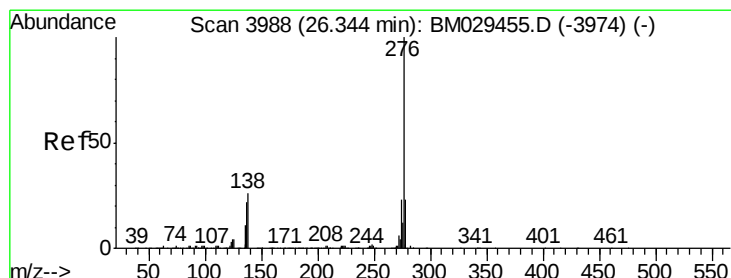
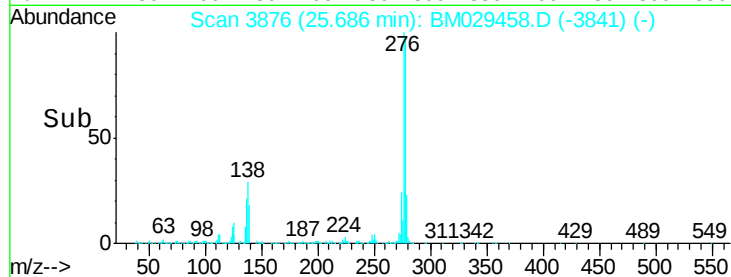
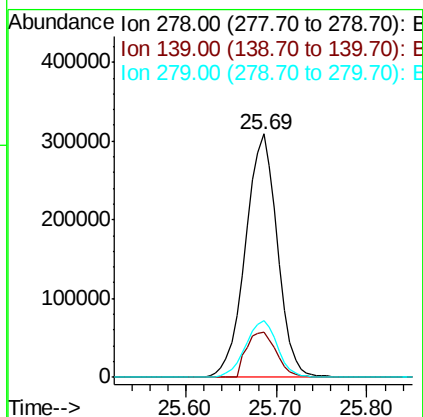
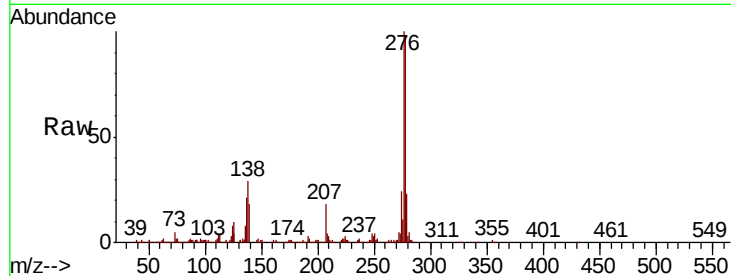




#94
Dibenzo(a,h)anthracene
Concen: 26.010 ng/u1
RT: 25.69 min Scan# 3876
Delta R.T. 0.01 min
Lab File: BM029458.D
Acq: 13 Apr 2021 13:50

Instrument :
BNA_M
ClientSampleId :
X3308

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.6	15.2	22.8
279	23.3	19.1	28.7



#95
Benzo(g,h,i)perylene
Concen: 13.081 ng/u1
RT: 26.34 min Scan# 3988
Delta R.T. 0.00 min
Lab File: BM029458.D
Acq: 13 Apr 2021 13:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.4	21.0	31.6
277	22.6	18.7	28.1

