

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120920\
 Data File : BM028094.D
 Acq On : 09 Dec 2020 17:51
 Operator : JU/CG
 Sample : L4958-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X2S37

Quant Time: Dec 10 01:35:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM120820.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 10 01:34:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	143127	20.00	ng/ul	0.00
20) Naphthalene-d8	11.11	136	588632	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.90	164	338070	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.62	188	691167	20.00	ng/ul	0.00
79) Chrysene-d12	21.73	240	620129	20.00	ng/ul	0.00
88) Perylene-d12	24.13	264	581405	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	22464	6.00	ng/uL	0.00
4) Pyridine-d5	3.93	84	271	0.03	ng/ul	0.00
7) Phenol-d5	7.41	99	544509	44.57	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	7.59	67	324444	41.79	ng/ul	0.00
11) 2-Chlorophenol-d4	7.80	132	453918	44.62	ng/ul	0.00
15) 4-Methylphenol-d8	8.98	113	456741	45.80	ng/ul	0.00
21) Nitrobenzene-d5	9.46	128	200473	42.21	ng/ul	0.00
24) 2-Nitrophenol-d4	10.18	143	210915	43.12	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.72	165	433100	45.07	ng/ul	0.00
31) 4-Chloroaniline-d4	11.24	131	548264	40.89	ng/ul	0.00
46) Dimethylphthalate-d6	14.30	166	1174001	43.68	ng/ul	0.00
49) Acenaphthylene-d8	14.60	160	1515831	46.41	ng/ul	0.00
54) 4-Nitrophenol-d4	15.06	143	214630	42.38	ng/ul	0.00
60) Fluorene-d10	15.88	176	987616	42.24	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.99	200	166743	39.49	ng/ul	0.00
73) Anthracene-d10	17.72	188	1460913	42.46	ng/ul	0.00
81) Pyrene-d10	19.97	212	1526028	45.32	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.99	264	1293102	40.62	ng/ul	0.00

Target Compounds

					Ovalue
2) 1,4-Dioxane	3.51	88	22502	5.738	ng/uL# 91
6) Benzaldehyde	7.39	77	135778	28.462	ng/ul 99
10) Bis(2-Chloroethyl)ether	7.68	93	616047	58.676	ng/ul 99
17) N-Nitroso-di-n-propylamine	9.09	70	179654	24.313	ng/ul 99
22) Nitrobenzene	9.50	77	138226	11.988	ng/ul 99
25) 2-Nitrophenol	10.22	139	133263	24.586	ng/ul 99
29) 2,4-Dichlorophenol	10.75	162	247331	26.139	ng/ul 100
30) Naphthalene	11.16	128	424579	12.486	ng/ul 100
33) Hexachlorobutadiene	11.44	225	170582	27.662	ng/ul 97
36) 2-Methylnaphthalene	12.75	142	551607	23.866	ng/ul 99
37) 1-Methylnaphthalene	12.97	142	854114	38.423	ng/ul 98
39) 1,2,4,5-Tetrachlorobenzene	13.11	216	135632	11.892	ng/ul 99
40) Hexachlorocyclopentadiene	13.09	237	349433	52.260	ng/ul 100
41) 2,4,6-Trichlorophenol	13.35	196	305116	43.566	ng/ul 99
42) 2,4,5-Trichlorophenol	13.35	196	274478	36.274	ng/ul 99
43) 1,1'-Biphenyl	13.74	154	1419720	48.465	ng/ul 99
44) 2-Chloronaphthalene	13.79	162	273206	11.913	ng/ul 100
48) 2,6-Dinitrotoluene	14.47	165	215851	40.645	ng/ul 93
50) Acenaphthylene	14.63	152	609035	18.025	ng/ul 99
52) Acenaphthene	14.96	153	293771	12.057	ng/ul 98
53) 2,4-Dinitrophenol	15.00	184	149490	48.945	ng/ul 97
56) Dibenzofuran	15.29	168	402338	12.121	ng/ul 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

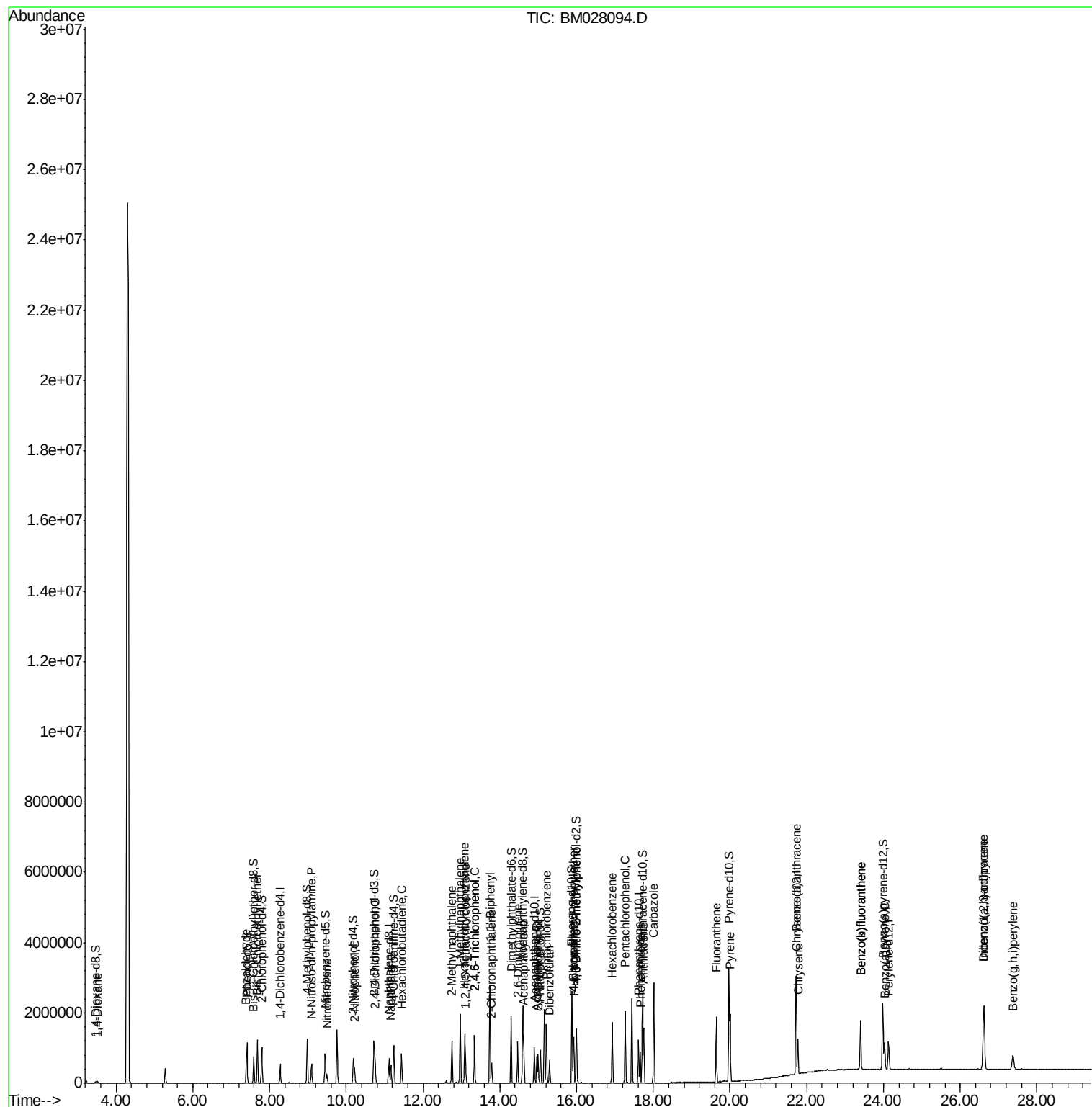
61) Fluorene	15.94	166	359196	13.001	ng/ul	98
62) 4-Chlorophenyl-phenylether	15.92	204	272147	19.987	ng/ul	99
63) 4-Nitroaniline	15.93	138	5228	1.273	ng/ul#	36
66) 4,6-Dinitro-2-methylphenol	16.00	198	235656	51.354	ng/ul	96
69) Hexachlorobenzene	16.93	284	348376	37.580	ng/ul	97
71) Pentachlorophenol	17.27	266	338101	63.163	ng/ul	99
72) Phenanthrene	17.66	178	512476	12.019	ng/ul	100
74) Anthracene	17.75	178	901683	20.748	ng/ul	99
76) Pentachlorobenzene	15.22	250	412508	37.393	ng/uL	96
77) Carbazole	18.02	167	1771567	48.005	ng/ul	100
80) Fluoranthene	19.64	202	1047268	23.894	ng/ul	99
82) Pyrene	20.00	202	1045923	23.037	ng/ul	98
85) Benzo(a)anthracene	21.72	228	1338238	31.688	ng/ul	99
87) Chrysene	21.77	228	477728	11.537	ng/ul	100
90) Benzo(b)fluoranthene	23.40	252	955305	23.888	ng/ul	99
91) Benzo(k)fluoranthene	23.40	252	955305	24.716	ng/ul	100
93) Benzo(a)pyrene	24.03	252	549468	15.356	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.61	276	1319513	30.952	ng/ul	98
95) Dibenzo(a,h)anthracene	26.63	278	941681	25.975	ng/ul	99
96) Benzo(g,h,i)perylene	27.37	276	484382	13.548	ng/ul	97

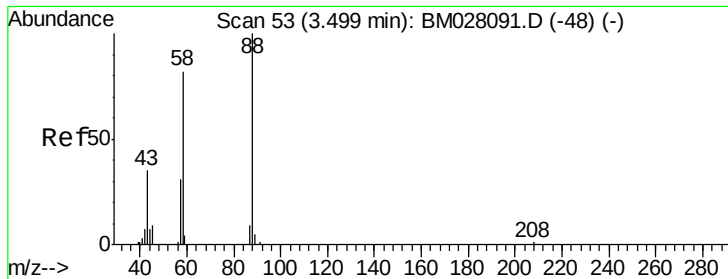
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 5.738 ng/uL

RT: 3.51 min Scan# 55

Delta R.T. 0.01 min

Lab File: BM028094.D

Acq: 09 Dec 2020 17:51

Instrument :

BNA_M

ClientSampleId :

X2S37

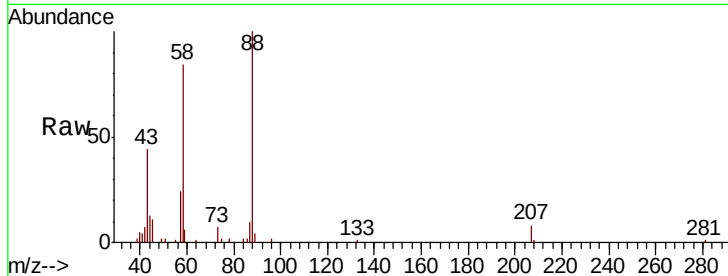
Tot Ion: 88 Resp: 22502

Ion Ratio Lower Upper

88 100

43 44.0 27.5 41.3#

58 84.2 63.2 94.8

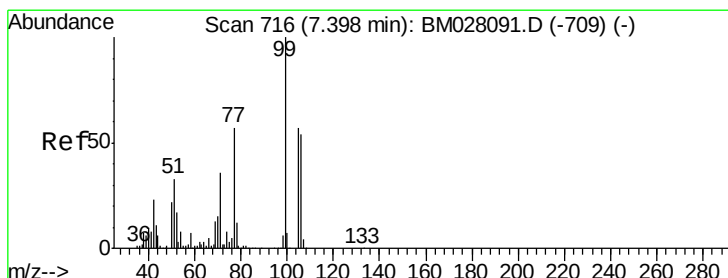
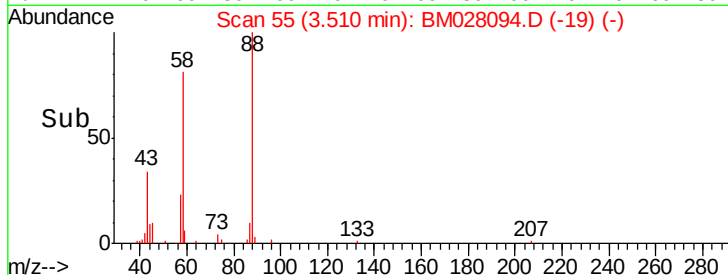
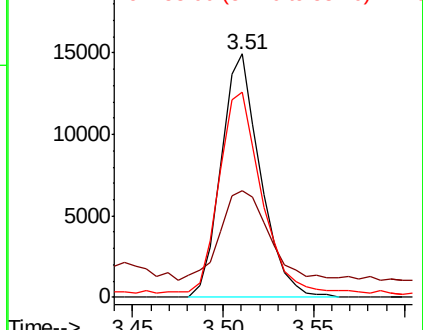


Abundance

Ion 88.00 (87.70 to 88.70): BM0

Ion 43.00 (42.70 to 43.70): BM0

Ion 58.00 (57.70 to 58.70): BM0



#6

Benzaldehyde

Concen: 28.462 ng/uL

RT: 7.39 min Scan# 715

Delta R.T. -0.01 min

Lab File: BM028094.D

Acq: 09 Dec 2020 17:51

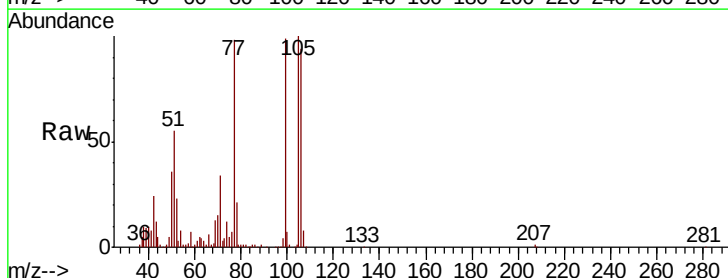
Tgt Ion: 77 Resp: 135778

Ion Ratio Lower Upper

77 100

105 102.2 82.0 123.0

106 95.7 74.5 111.7

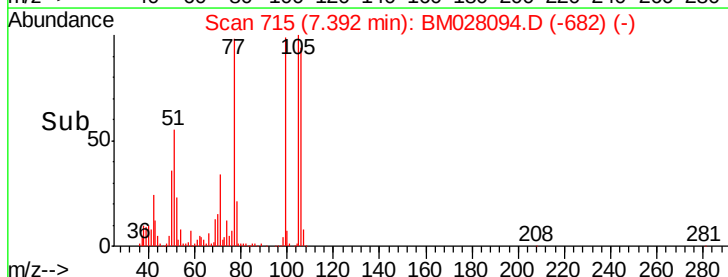
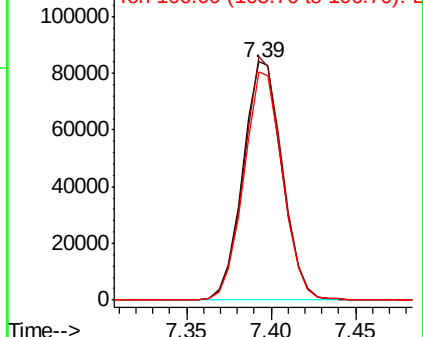


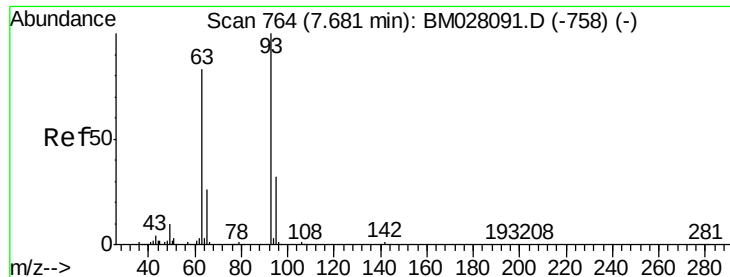
Abundance

Ion 77.00 (76.70 to 77.70): BM0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

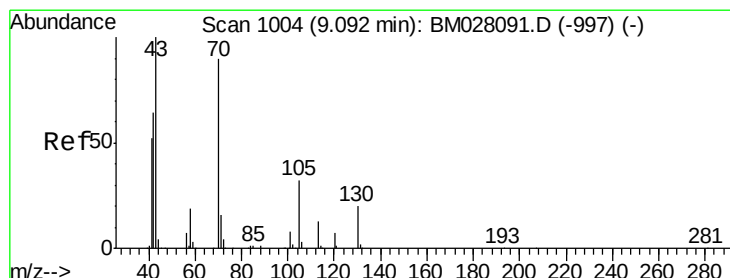
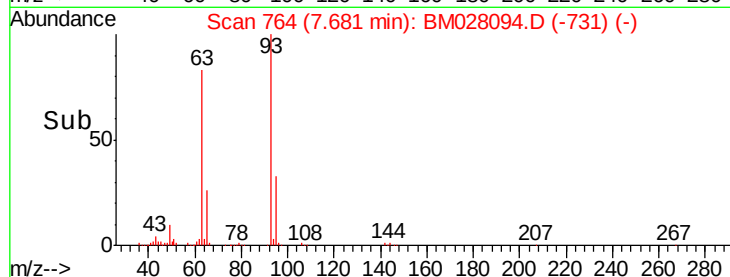
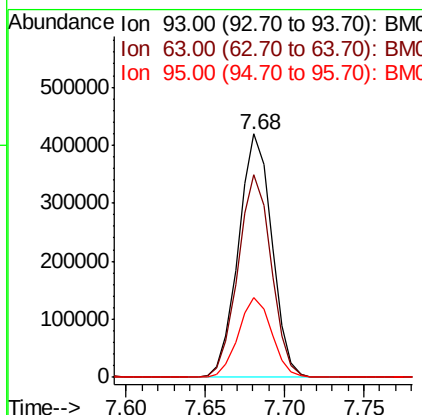
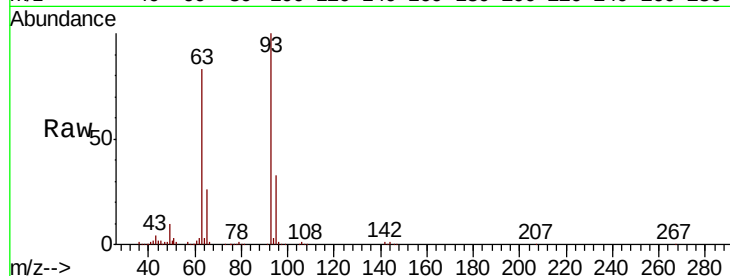




#10
 Bis(2-Chloroethyl)ether
 Concen: 58.676 ng/ul
 RT: 7.68 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: BM028094.D
 Acq: 09 Dec 2020 17:51

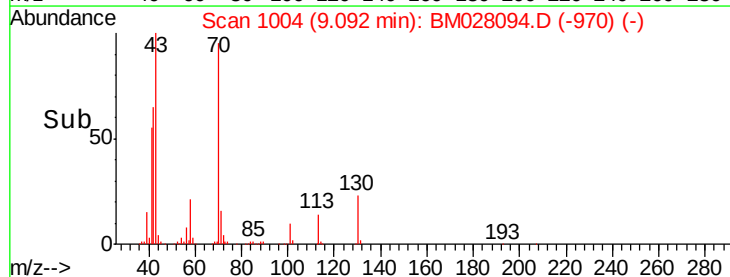
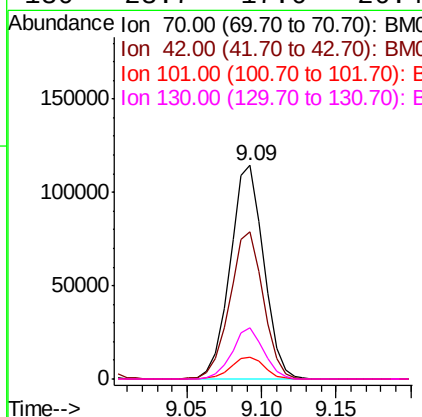
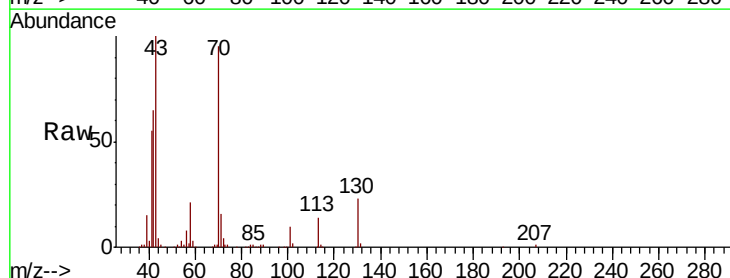
Instrument :
 BNA_M
 ClientSampled :
 X2S37

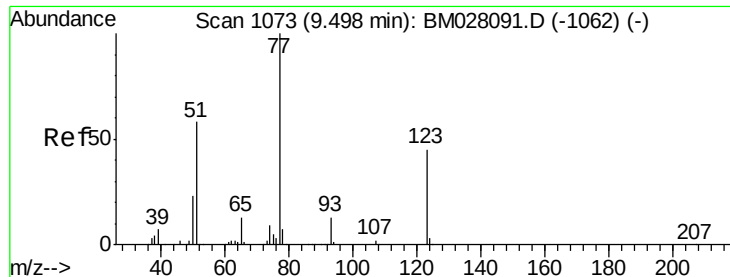
Tot Ion	Ratio	Lower	Upper
93	100		
63	83.0	67.0	100.4
95	32.9	26.8	40.2



#17
 N-Nitroso-di-n-propylamine
 Concen: 24.313 ng/ul
 RT: 9.09 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: BM028094.D
 Acq: 09 Dec 2020 17:51

Tgt Ion	Ratio	Lower	Upper
70	100		
42	68.8	55.0	82.4
101	10.5	8.6	12.8
130	23.7	17.6	26.4

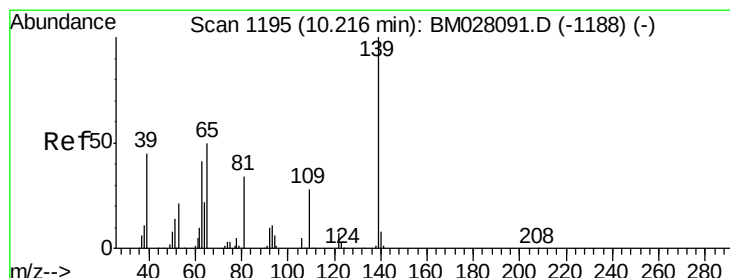
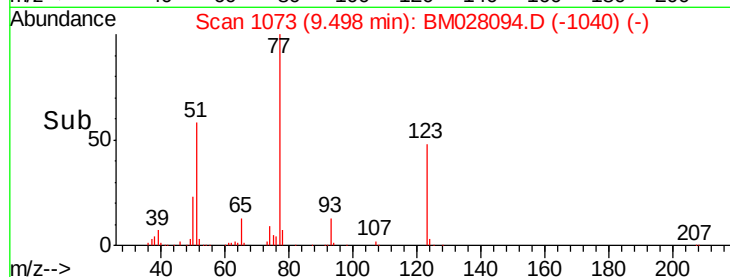
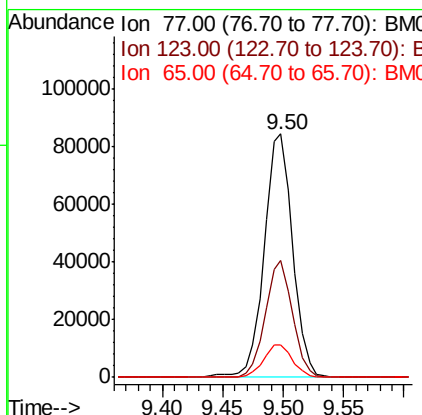
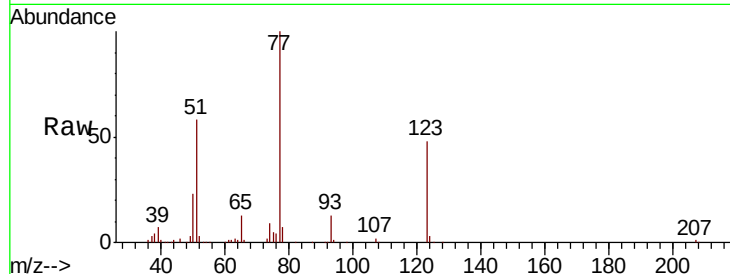




#22
Nitrobenzene
Concen: 11.988 ng/ul
RT: 9.50 min Scan# 1073
Delta R.T. -0.01 min
Lab File: BM028094.D
Acq: 09 Dec 2020 17:51

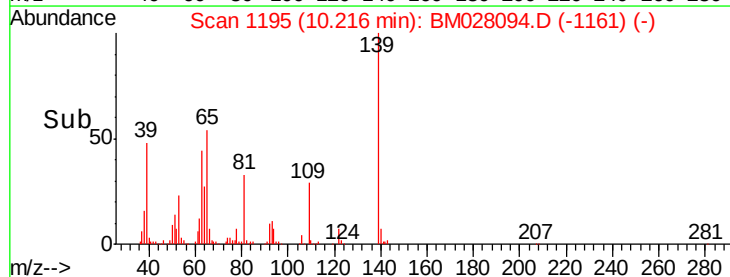
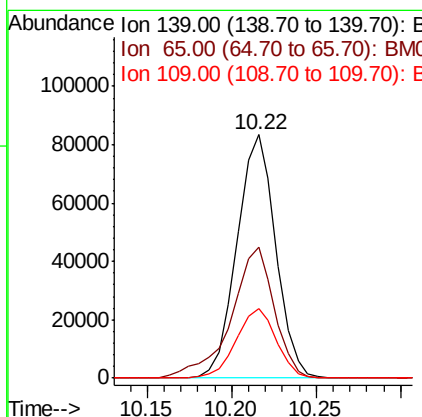
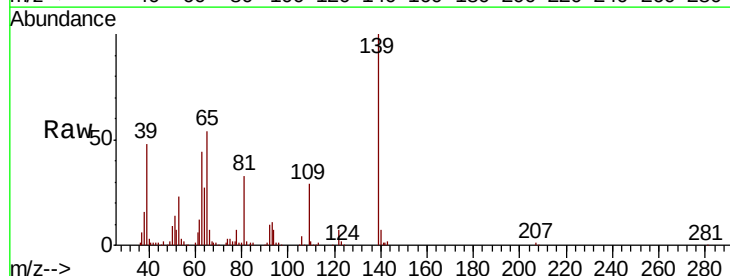
Instrument :
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ClientSampleId :
X2S37

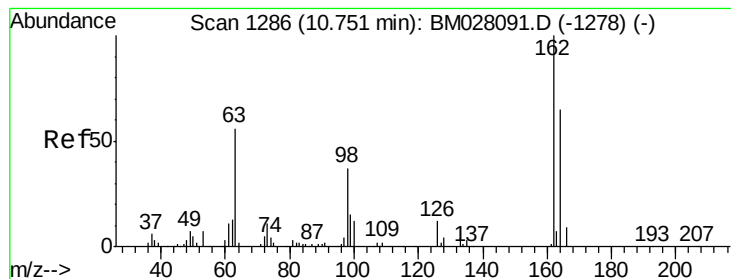
Tot Ion	Ratio	Lower	Upper
77	100		
123	48.1	37.9	56.9
65	13.5	11.1	16.7



#25
2-Nitrophenol
Concen: 24.586 ng/ul
RT: 10.22 min Scan# 1195
Delta R.T. 0.00 min
Lab File: BM028094.D
Acq: 09 Dec 2020 17:51

Tgt Ion	Ratio	Lower	Upper
139	100		
65	53.9	43.0	64.6
109	28.5	23.7	35.5





#29

2,4-Dichlorophenol

Concen: 26.139 ng/ul

RT: 10.75 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BM028094.D

Acq: 09 Dec 2020 17:51

Instrument :

BNA_M

ClientSampleId :

X2S37

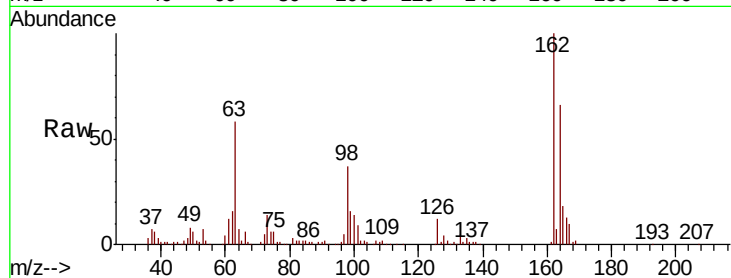
Tot Ion:162 Resp: 247331

Ion Ratio Lower Upper

162 100

164 66.1 52.9 79.3

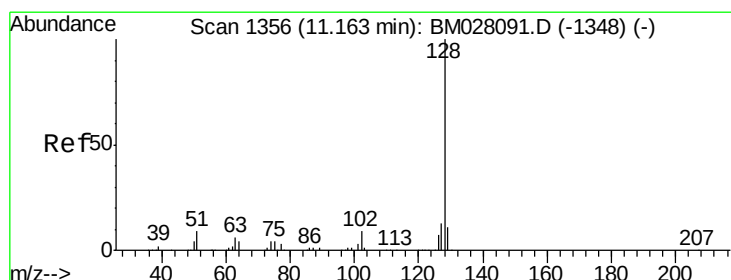
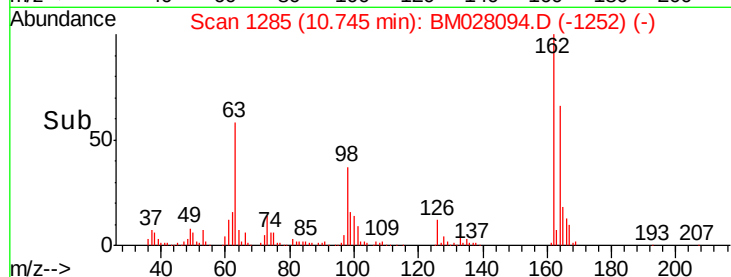
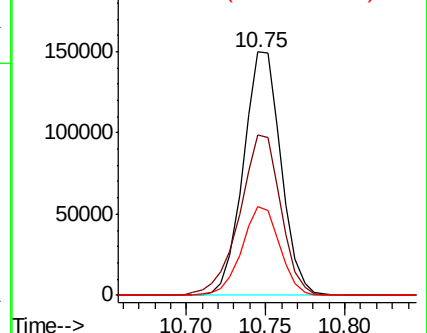
98 36.7 29.8 44.6



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): B



#30

Naphthalene

Concen: 12.486 ng/ul

RT: 11.16 min Scan# 1356

Delta R.T. -0.01 min

Lab File: BM028094.D

Acq: 09 Dec 2020 17:51

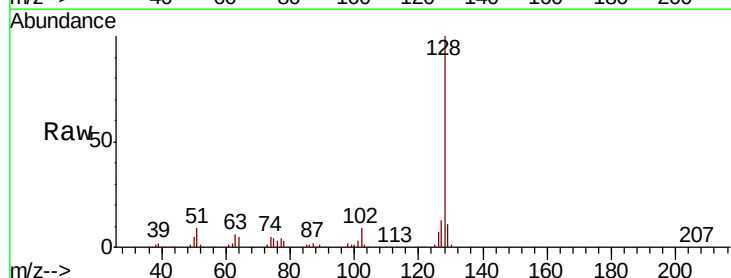
Tgt Ion:128 Resp: 424579

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

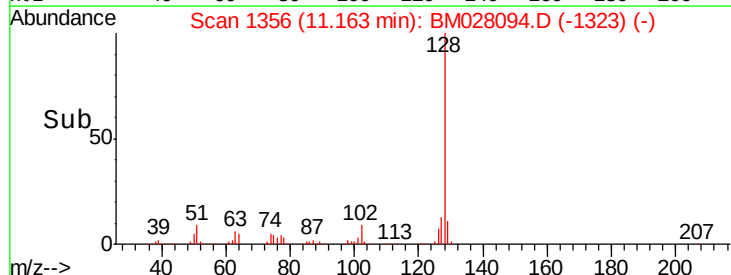
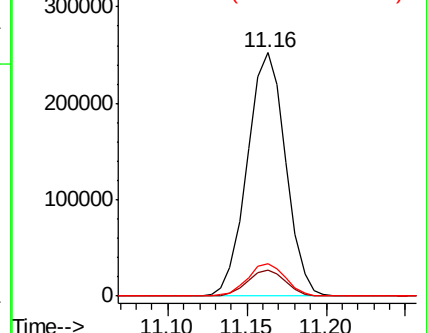
127 13.2 10.7 16.1

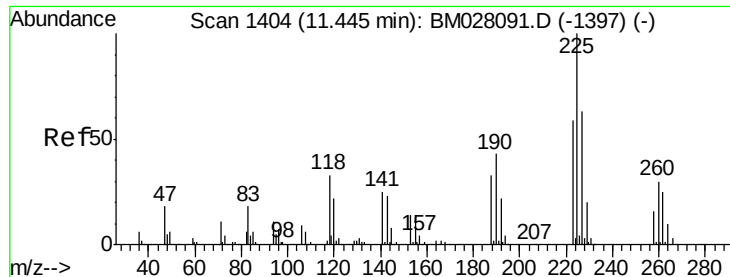


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

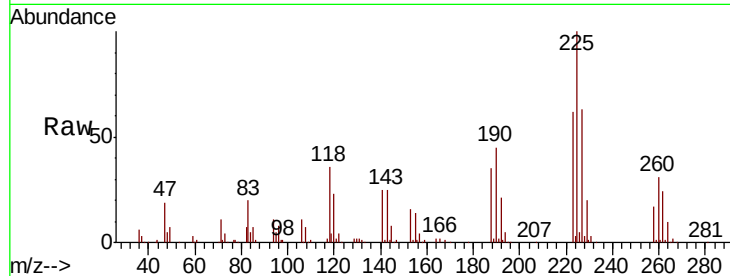




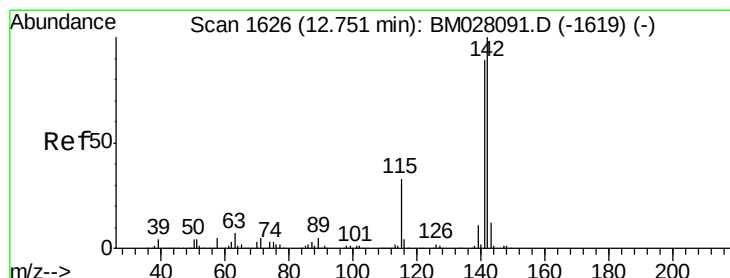
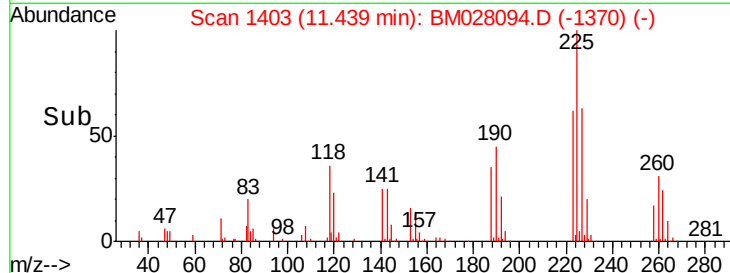
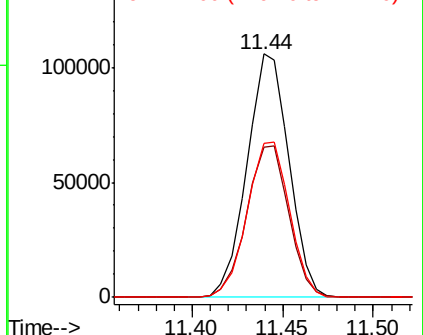
#33
Hexachlorobutadiene
Concen: 27.662 ng/ul
RT: 11.44 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BM028094.D
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ClientSampleId :
X2S37

Tot Ion:225 Resp: 170582
Ion Ratio Lower Upper
225 100
223 61.6 52.0 78.0
227 63.0 51.0 76.6

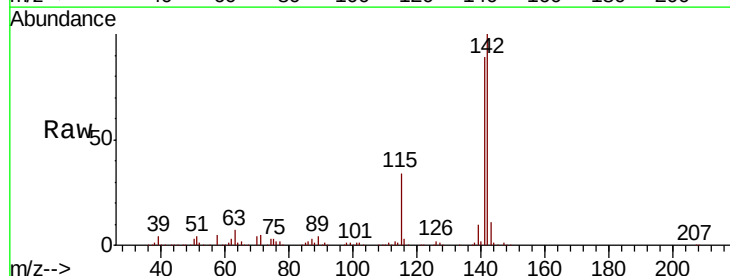


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

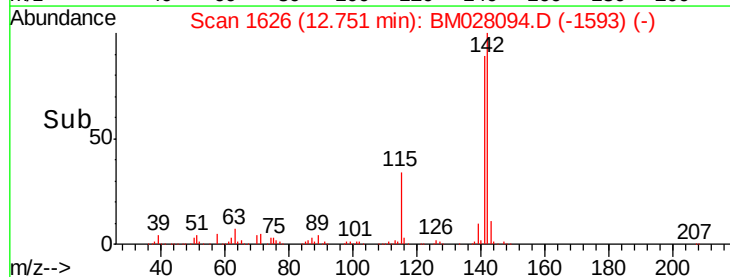
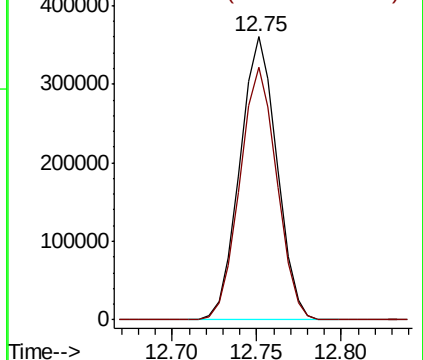


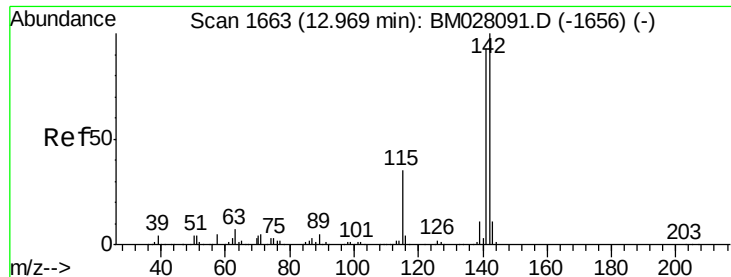
#36
2-Methylnaphthalene
Concen: 23.866 ng/ul
RT: 12.75 min Scan# 1626
Delta R.T. -0.01 min
Lab File: BM028094.D
Acq: 09 Dec 2020 17:51

Tgt Ion:142 Resp: 551607
Ion Ratio Lower Upper
142 100
141 89.1 72.2 108.4



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

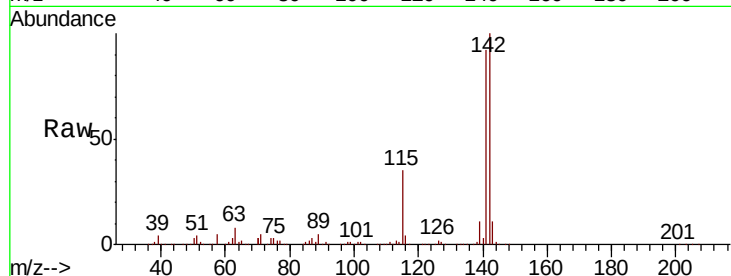




#37
1-Methylnaphthalene
Concen: 38.423 ng/ul
RT: 12.97 min Scan# 1663
Delta R.T. -0.01 min
Lab File: BM028094.D
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Tot Ion	Ratio	Lower	Upper
142	100		
141	92.0	75.4	113.0
116	3.9	2.9	4.3

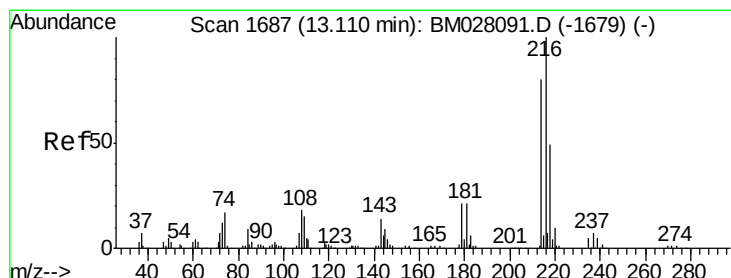
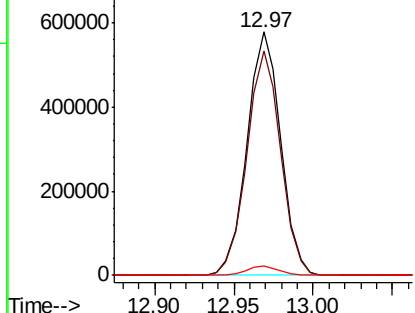
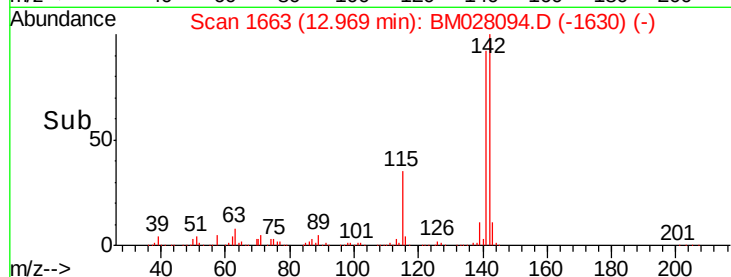


Abundance

Ion 142.00 (141.70 to 142.70): E

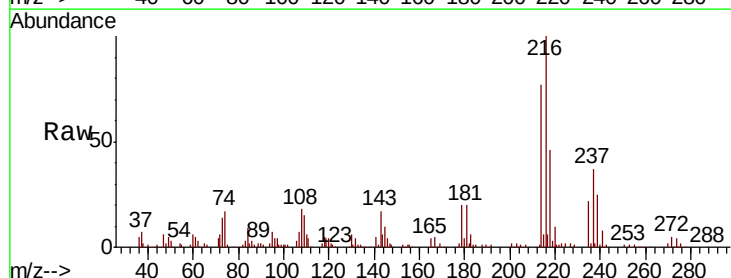
Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39
1,2,4,5-Tetrachlorobenzene
Concen: 11.892 ng/ul
RT: 13.11 min Scan# 1687
Delta R.T. -0.01 min
Lab File: BM028094.D
Acq: 09 Dec 2020 17:51

Tgt Ion	Ratio	Lower	Upper
216	100		
214	77.2	62.6	93.8
179	19.8	16.6	25.0
108	18.3	14.9	22.3



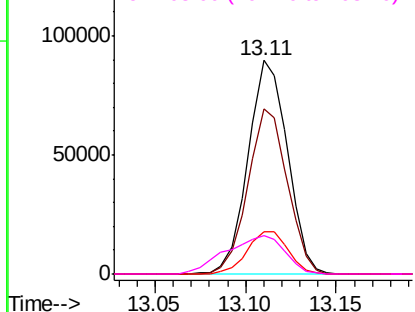
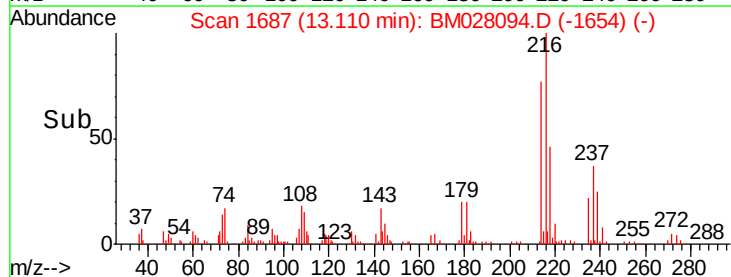
Abundance

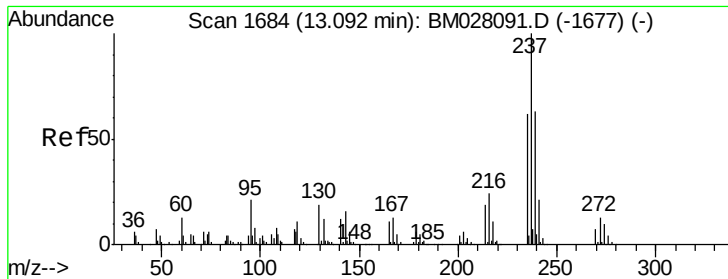
Ion 216.00 (215.70 to 216.70): E

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: 52.260 ng/ul

RT: 13.09 min Scan# 1684

Delta R.T. 0.00 min

Lab File: BM028094.D

Acq: 09 Dec 2020 17:51

Instrument :

BNA_M

ClientSampleId :

X2S37

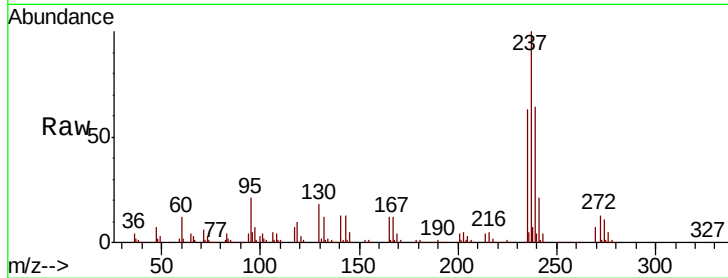
Tot Ion:237 Resp: 349433

Ion Ratio Lower Upper

237 100

235 63.1 50.4 75.6

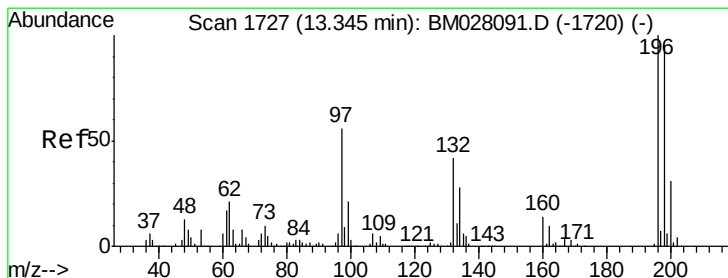
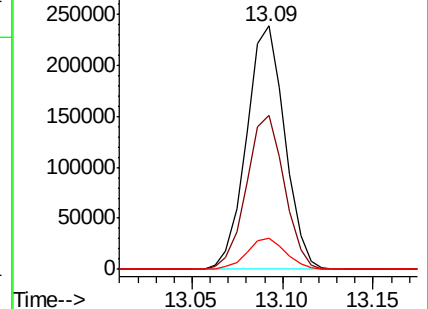
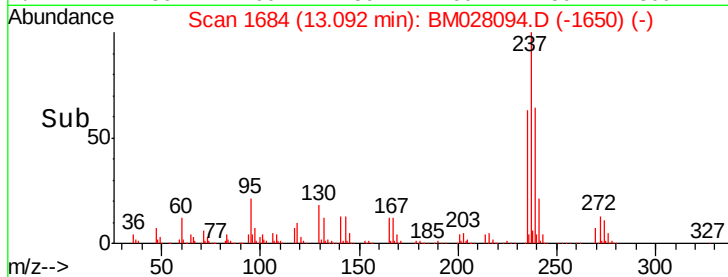
272 12.8 10.2 15.4



Abundance Ion 237.00 (236.70 to 237.70): E

Ion 235.00 (234.70 to 235.70): E

Ion 272.00 (271.70 to 272.70): E



#41

2,4,6-Trichlorophenol

Concen: 43.566 ng/ul

RT: 13.35 min Scan# 1727

Delta R.T. 0.00 min

Lab File: BM028094.D

Acq: 09 Dec 2020 17:51

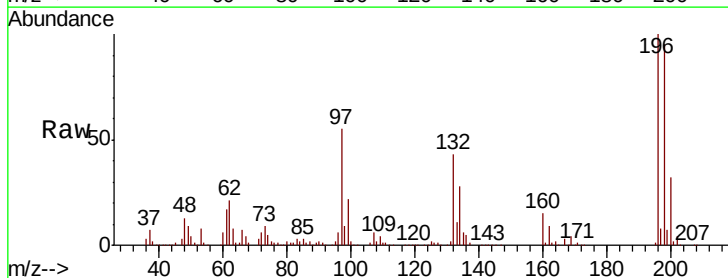
Tgt Ion:196 Resp: 305116

Ion Ratio Lower Upper

196 100

198 94.7 76.6 114.8

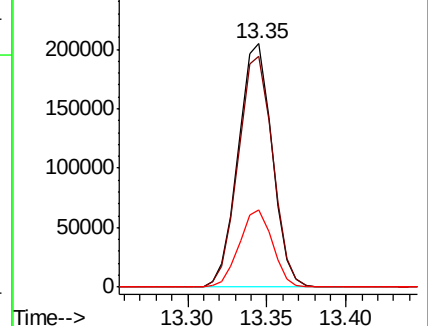
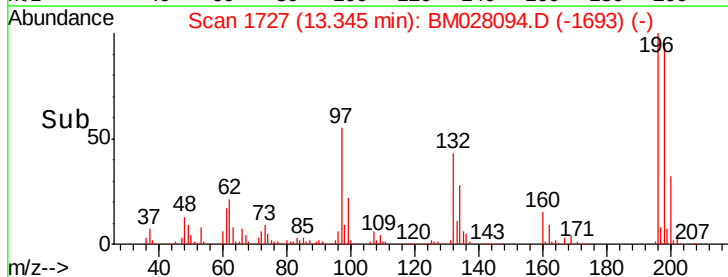
200 31.9 24.6 37.0

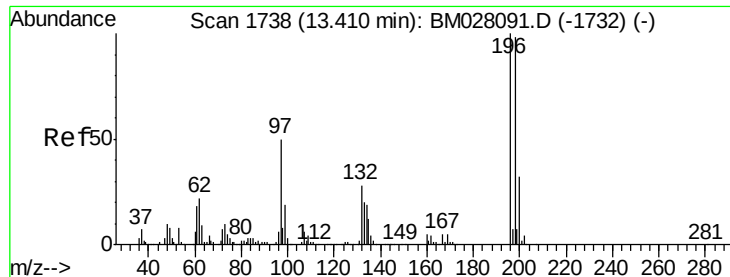


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

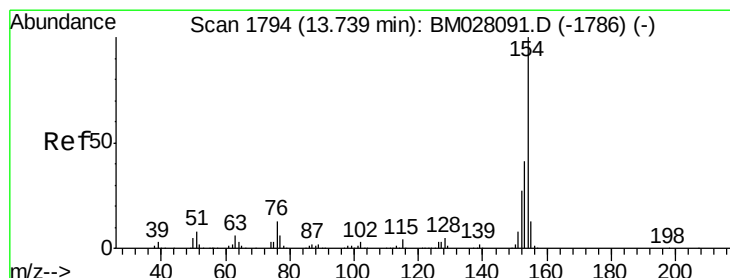
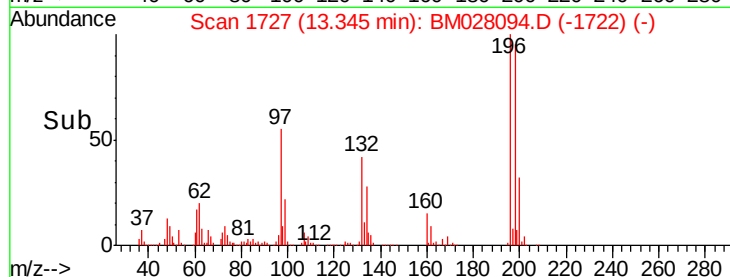
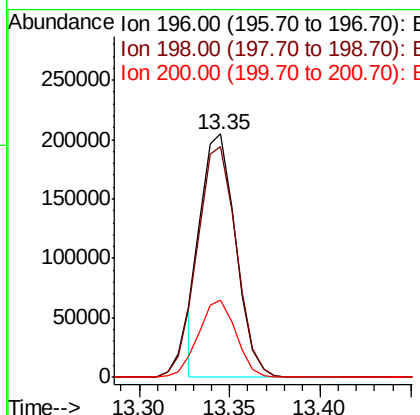
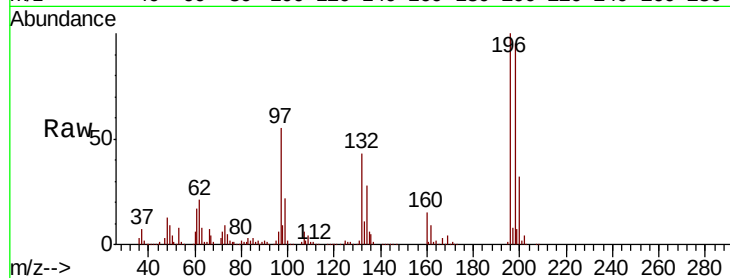




#42
2,4,5-Trichlorophenol
Concen: 36.274 ng/ul
RT: 13.35 min Scan# 1727
Delta R.T. -0.07 min
Lab File: BM028094.D
Acq: 09 Dec 2020 17:51

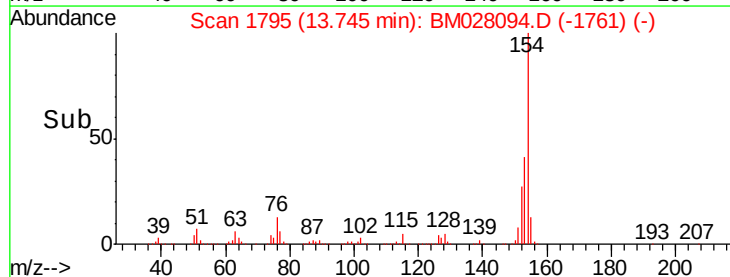
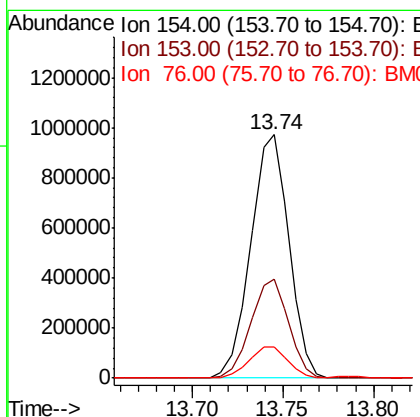
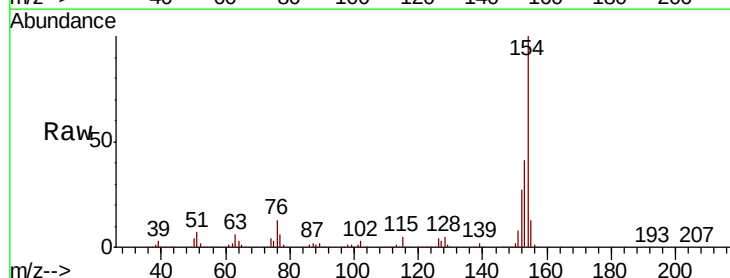
Instrument :
BNA_M
ClientSampled :
X2S37

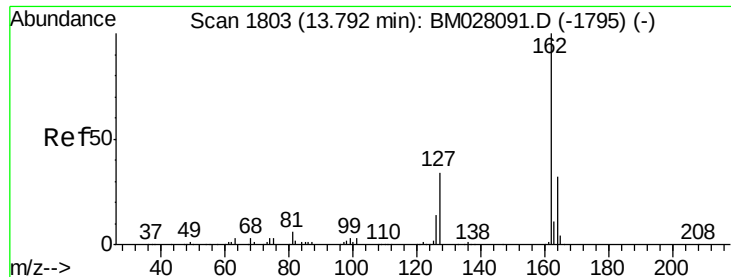
Tot Ion:196 Resp: 274478
Ion Ratio Lower Upper
196 100
198 94.7 76.4 114.6
200 31.9 24.3 36.5



#43
1,1'-Biphenyl
Concen: 48.465 ng/ul
RT: 13.74 min Scan# 1795
Delta R.T. 0.00 min
Lab File: BM028094.D
Acq: 09 Dec 2020 17:51

Tgt Ion:154 Resp: 1419720
Ion Ratio Lower Upper
154 100
153 40.6 31.6 47.4
76 12.8 10.4 15.6

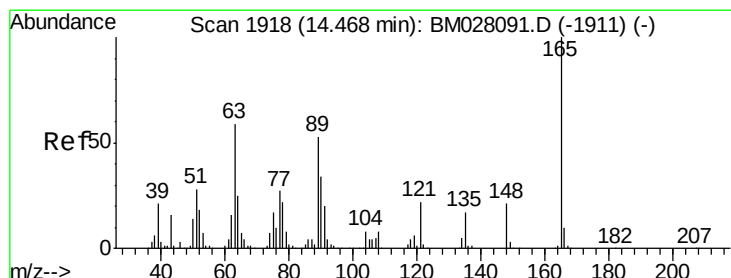
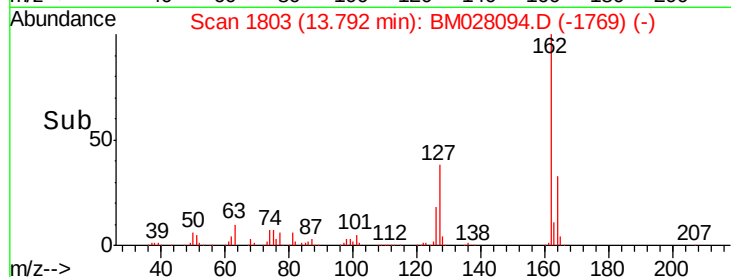
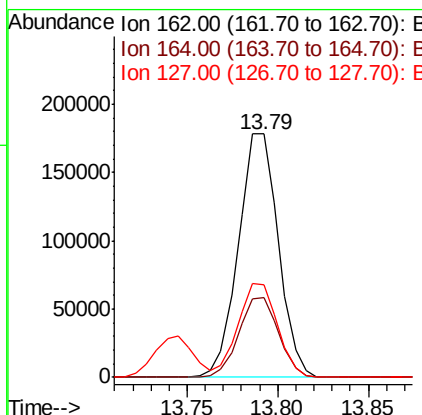
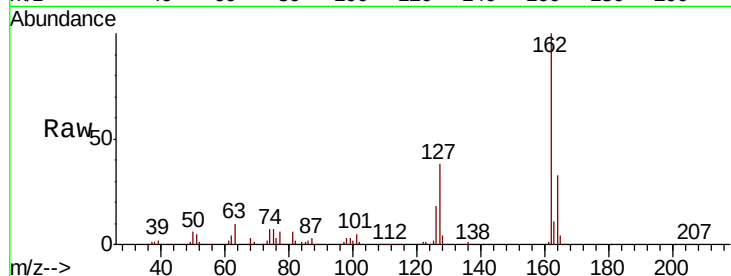




#44
2-Chloronaphthalene
Concen: 11.913 ng/ul
RT: 13.79 min Scan# 1803
Delta R.T. 0.00 min
Lab File: BM028094.D
Acq: 09 Dec 2020 17:51

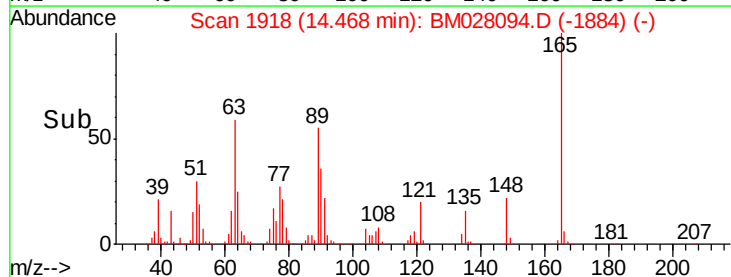
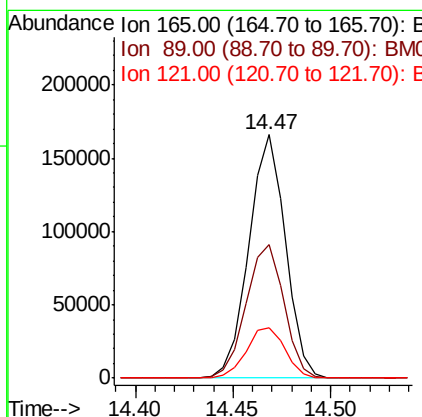
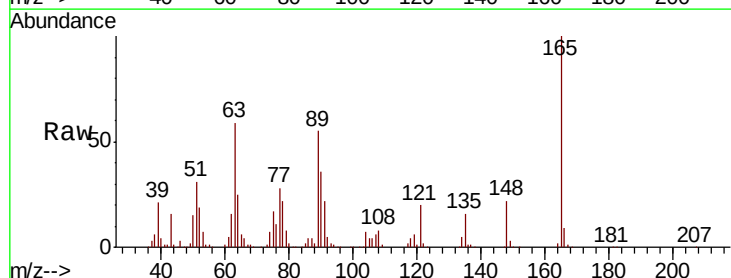
Instrument :
BNA_M
ClientSampleId :
X2S37

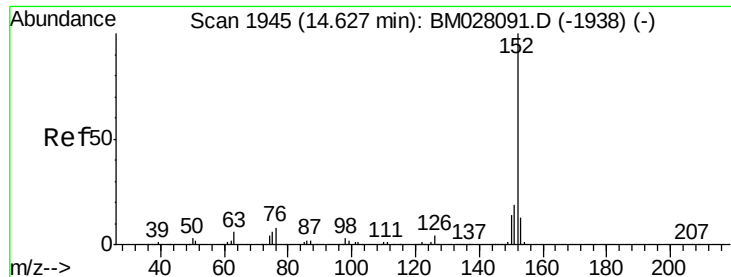
Tot Ion	Ratio	Lower	Upper
162	100		
164	32.9	26.4	39.6
127	38.3	30.6	46.0



#48
2,6-Dinitrotoluene
Concen: 40.645 ng/ul
RT: 14.47 min Scan# 1918
Delta R.T. 0.00 min
Lab File: BM028094.D
Acq: 09 Dec 2020 17:51

Tgt Ion	Ratio	Lower	Upper
165	100		
89	54.9	48.5	72.7
121	20.4	18.2	27.4





#50

Acenaphthylene

Concen: 18.025 ng/ul

RT: 14.63 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BM028094.D

Acq: 09 Dec 2020 17:51

Instrument :

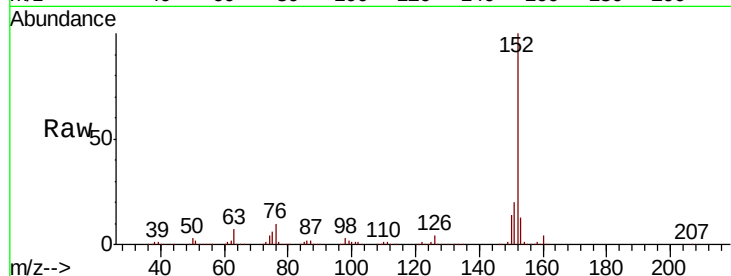
BNA_M

ClientSampled :

X2S37

Tot Ion:152 Resp: 609035

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.6	23.4
153	13.3	10.3	15.5

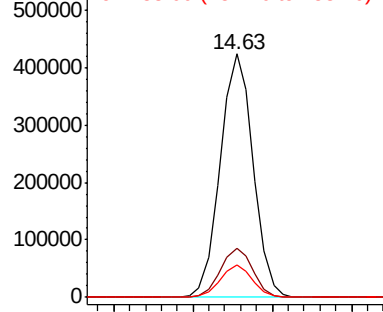


Abundance

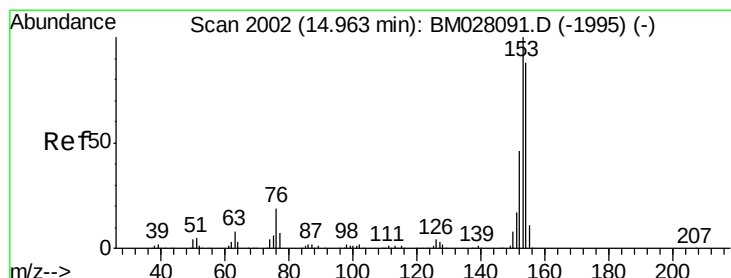
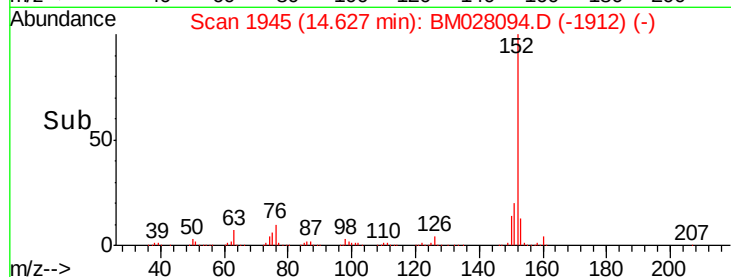
Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#52

Acenaphthene

Concen: 12.057 ng/ul

RT: 14.96 min Scan# 2002

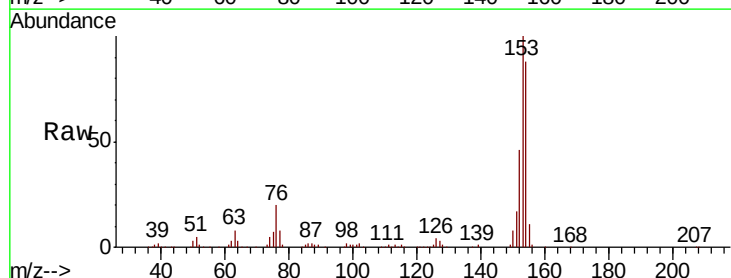
Delta R.T. -0.01 min

Lab File: BM028094.D

Acq: 09 Dec 2020 17:51

Tgt Ion:153 Resp: 293771

Ion	Ratio	Lower	Upper
153	100		
152	46.1	36.0	54.0
154	87.7	71.4	107.0

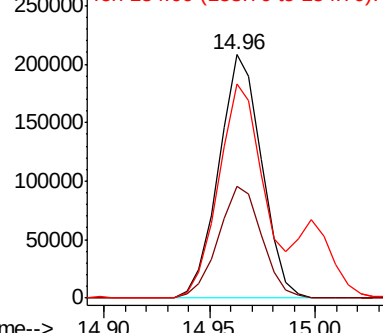


Abundance

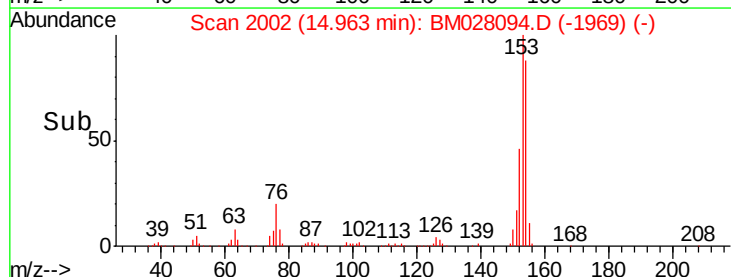
Ion 153.00 (152.70 to 153.70): E

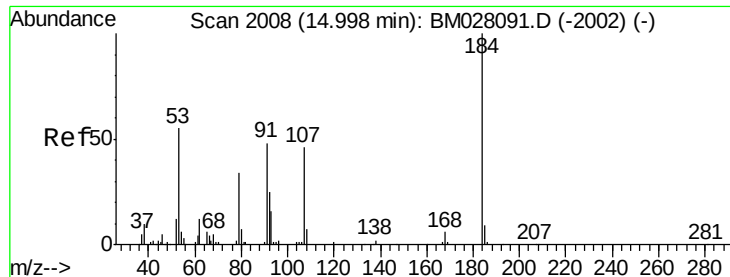
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->

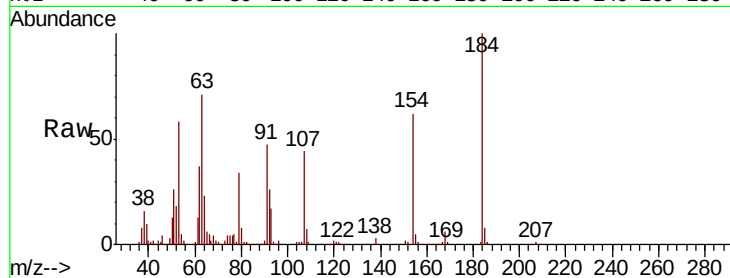




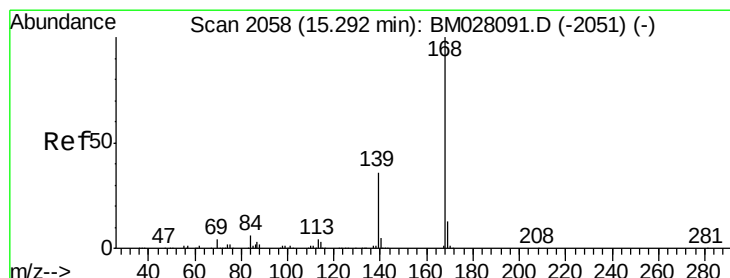
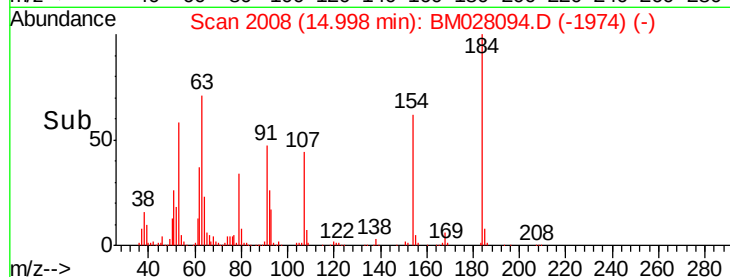
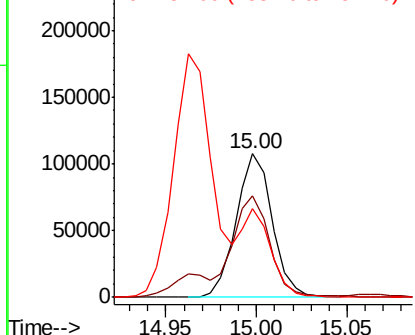
#53
2,4-Dinitrophenol
Concen: 48.945 ng/ul
RT: 15.00 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BM028094.D
Acq: 09 Dec 2020 17:51

Instrument :
BNA_M
ClientSampled :
X2S37

Tot Ion:184 Resp: 149490
Ion Ratio Lower Upper
184 100
63 70.7 59.9 89.9
154 62.1 50.8 76.2

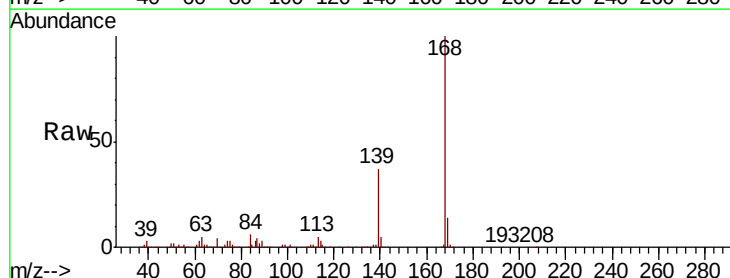


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BM
Ion 154.00 (153.70 to 154.70): E

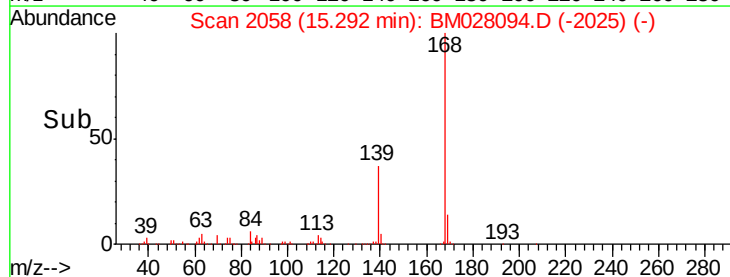
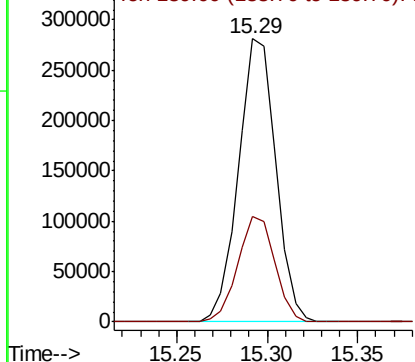


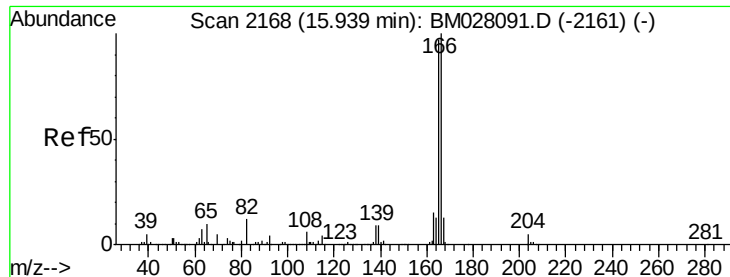
#56
Dibenzofuran
Concen: 12.121 ng/ul
RT: 15.29 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BM028094.D
Acq: 09 Dec 2020 17:51

Tgt Ion:168 Resp: 402338
Ion Ratio Lower Upper
168 100
139 37.2 27.9 41.9



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E

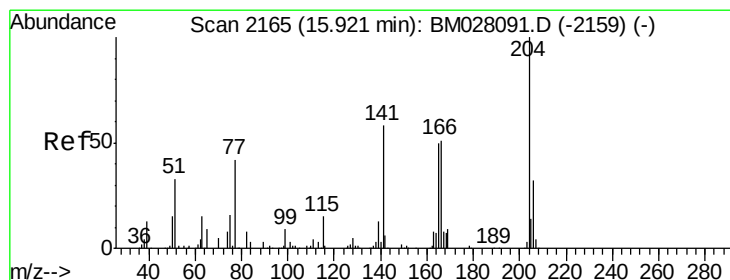
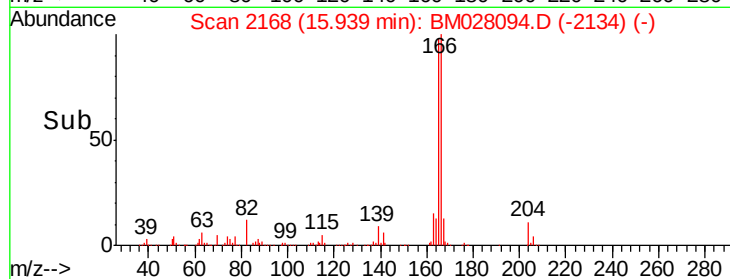
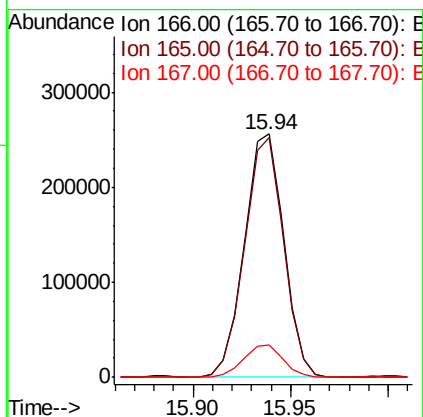
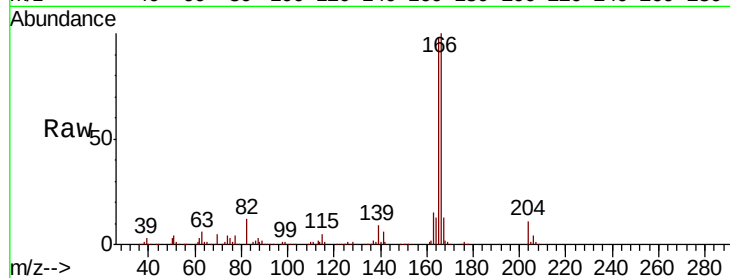




#61
Fluorene
Concen: 13.001 ng/ul
RT: 15.94 min Scan# 2168
Delta R.T. 0.00 min
Lab File: BM028094.D
Acq: 09 Dec 2020 17:51

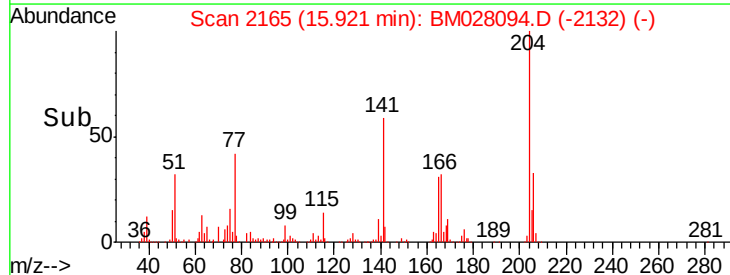
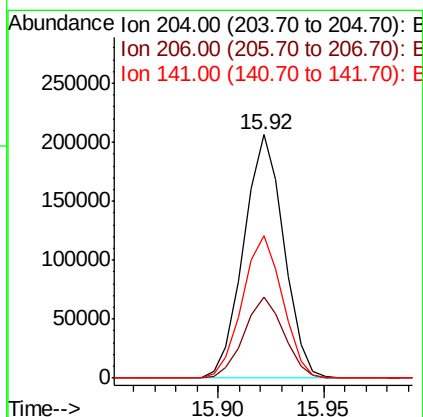
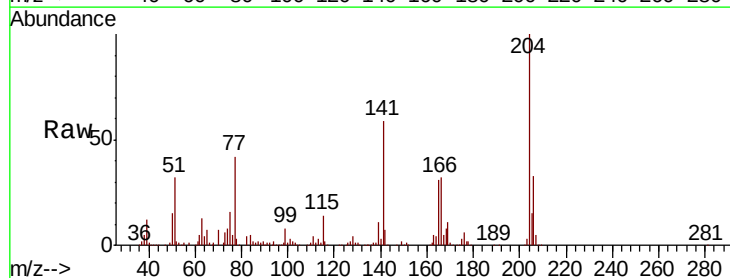
Instrument :
BNA_M
ClientSampleId :
X2S37

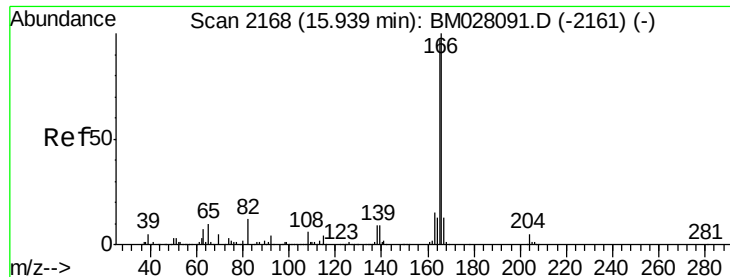
Tot Ion	Ratio	Lower	Upper
166	100		
165	98.4	77.0	115.4
167	13.1	10.8	16.2



#62
4-Chlorophenyl-phenylether
Concen: 19.987 ng/ul
RT: 15.92 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BM028094.D
Acq: 09 Dec 2020 17:51

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.2	25.6	38.4
141	58.7	47.0	70.4

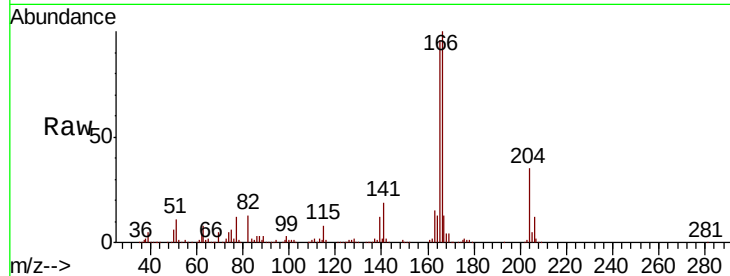




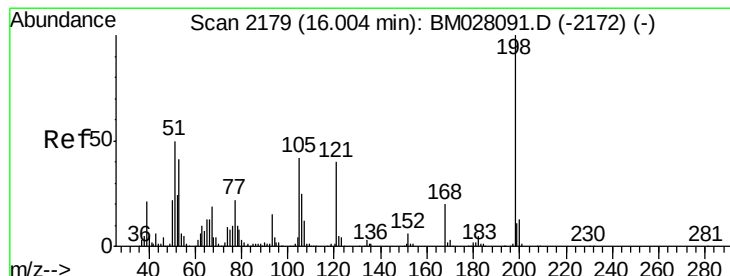
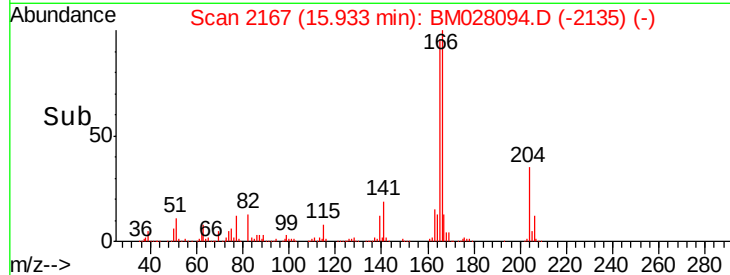
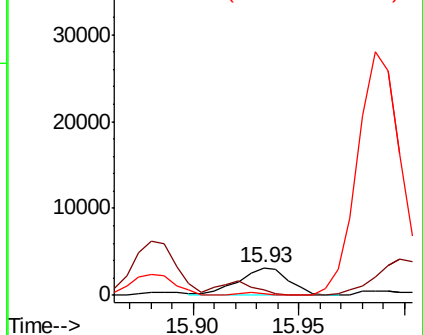
#63
4-Nitroaniline
Concen: 1.273 ng/ul
RT: 15.93 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BM028094.D
Acq: 09 Dec 2020 17:51

Instrument :
BNA_M
ClientSampleId :
X2S37

Tot Ion:138 Resp: 5228
Ion Ratio Lower Upper
138 100
92 18.2 40.6 60.8#
108 6.4 55.8 83.6#

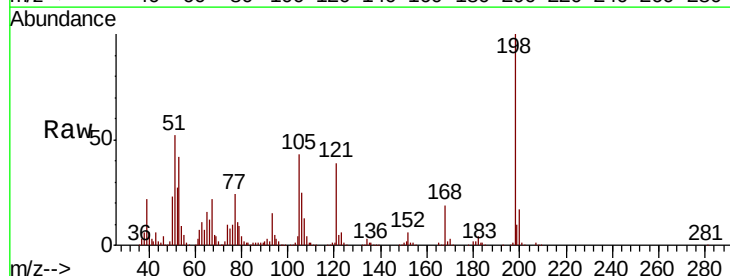


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM
Ion 108.00 (107.70 to 108.70): E

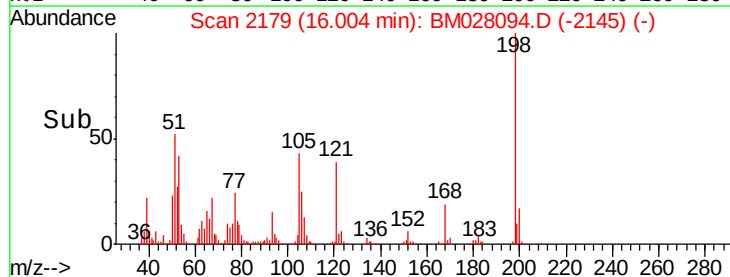
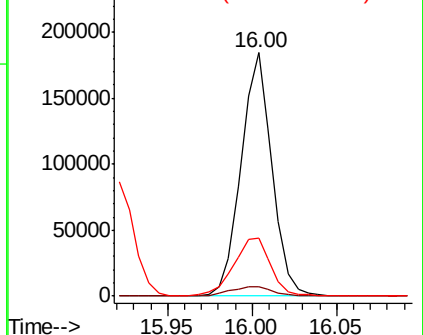


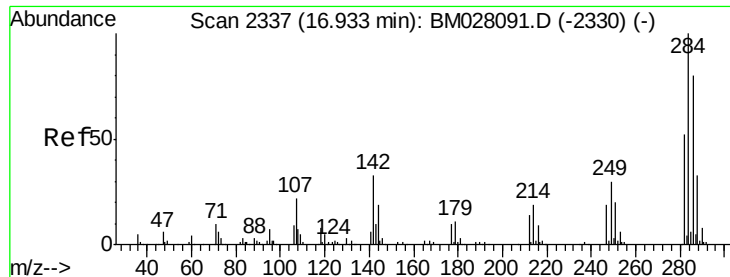
#66
4,6-Dinitro-2-methylphenol
Concen: 51.354 ng/ul
RT: 16.00 min Scan# 2179
Delta R.T. 0.00 min
Lab File: BM028094.D
Acq: 09 Dec 2020 17:51

Tgt Ion:198 Resp: 235656
Ion Ratio Lower Upper
198 100
182 3.8 3.6 5.4
77 23.6 20.5 30.7



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 77.00 (76.70 to 77.70): BM





#69

Hexachlorobenzene

Concen: 37.580 ng/ul

RT: 16.93 min Scan# 2337

Delta R.T. 0.00 min

Lab File: BM028094.D

Acq: 09 Dec 2020 17:51

Instrument :

BNA_M

ClientSampleId :

X2S37

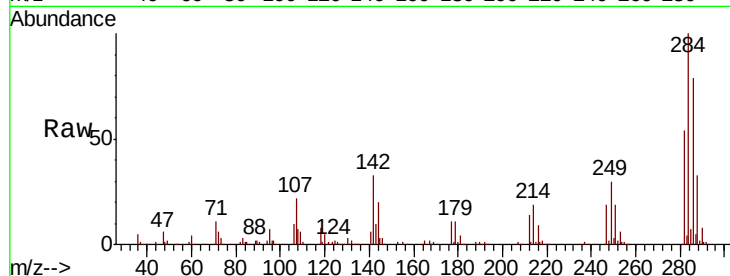
Tot Ion:284 Resp: 348376

Ion Ratio Lower Upper

284 100

142 33.5 29.0 43.4

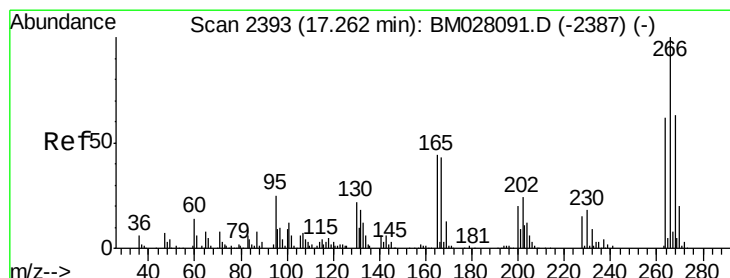
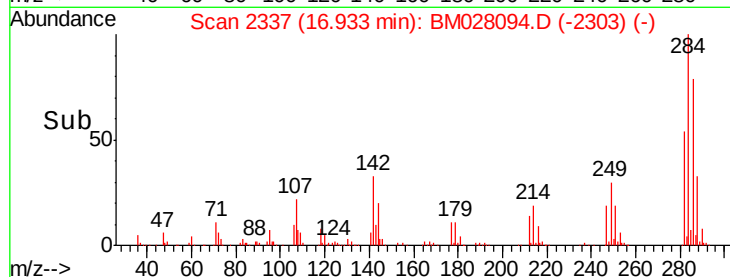
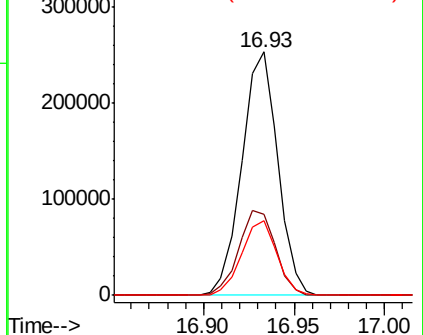
249 30.4 24.5 36.7



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: 63.163 ng/ul

RT: 17.27 min Scan# 2394

Delta R.T. 0.00 min

Lab File: BM028094.D

Acq: 09 Dec 2020 17:51

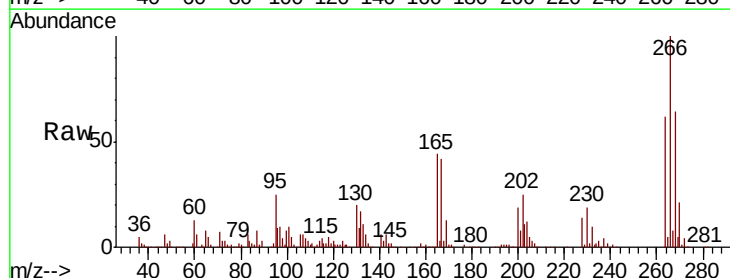
Tgt Ion:266 Resp: 338101

Ion Ratio Lower Upper

266 100

264 61.9 48.9 73.3

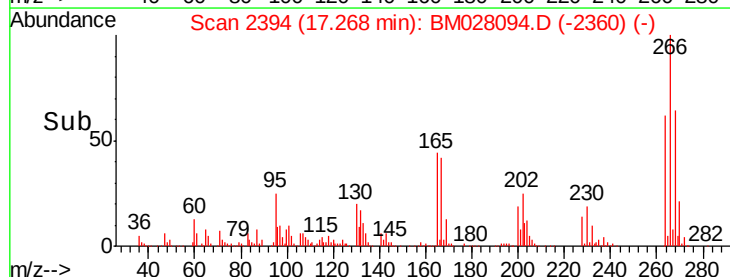
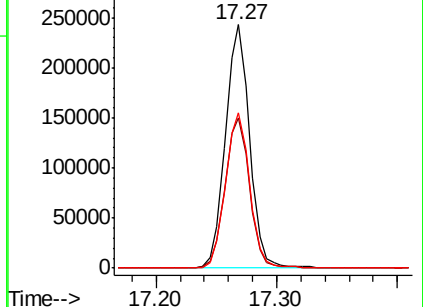
268 63.7 51.4 77.2

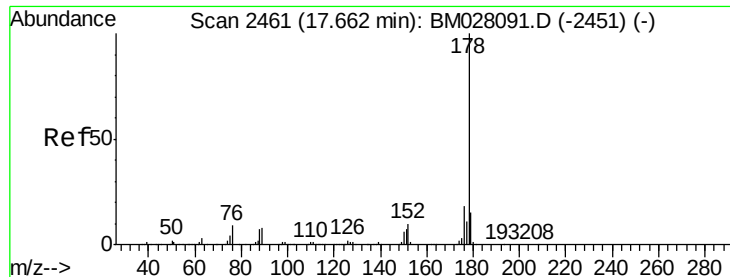


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#72

Phenanthrene

Concen: 12.019 ng/ul

RT: 17.66 min Scan# 2461

Delta R.T. -0.01 min

Lab File: BM028094.D

Acq: 09 Dec 2020 17:51

Instrument :

BNA_M

ClientSampleId :

X2S37

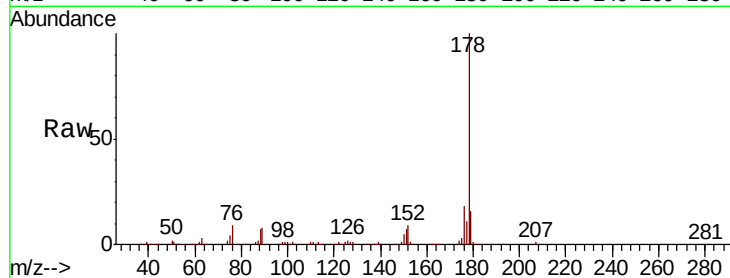
Tot Ion:178 Resp: 512476

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.4

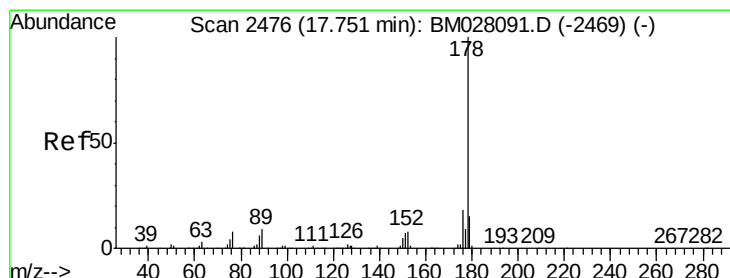
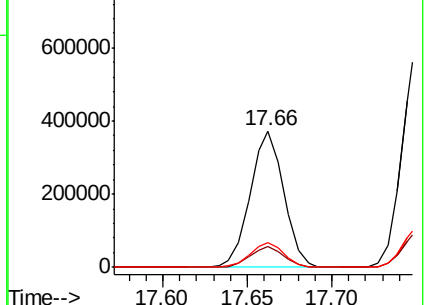
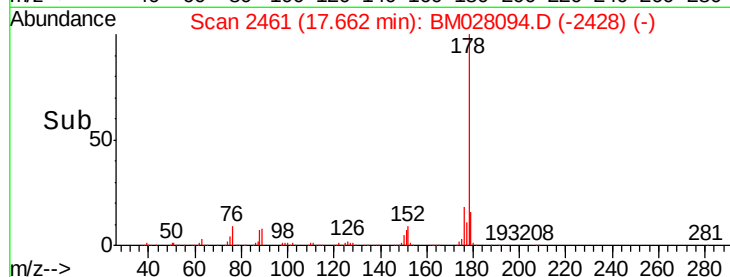
176 18.2 14.6 21.8



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



#74

Anthracene

Concen: 20.748 ng/ul

RT: 17.75 min Scan# 2476

Delta R.T. -0.01 min

Lab File: BM028094.D

Acq: 09 Dec 2020 17:51

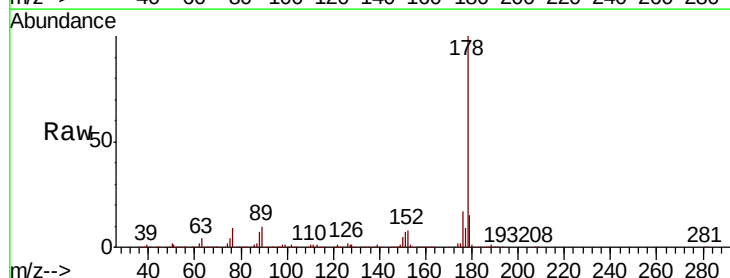
Tgt Ion:178 Resp: 901683

Ion Ratio Lower Upper

178 100

179 15.3 11.8 17.8

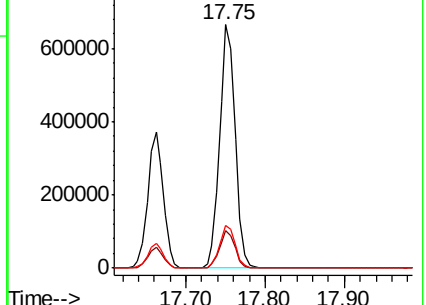
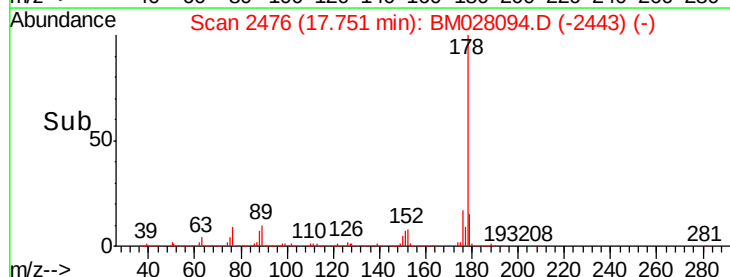
176 17.4 13.9 20.9

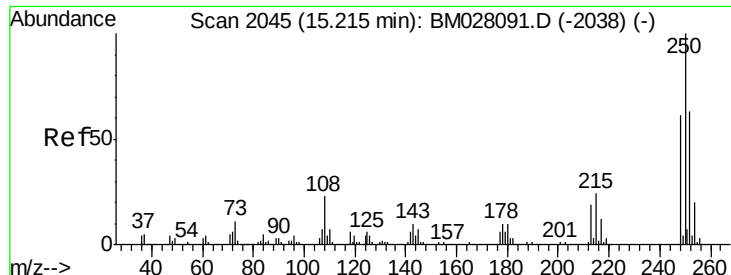


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

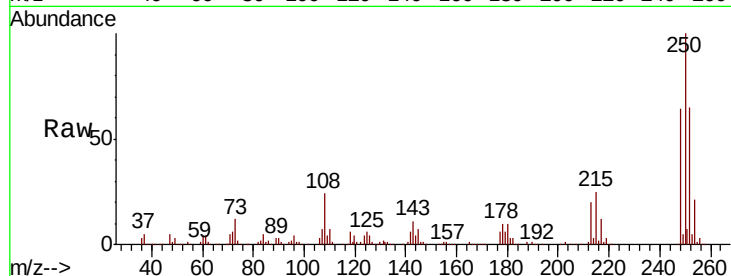




#76
 Pentachlorobenzene
 Concen: 37.393 ng/uL
 RT: 15.22 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: BM028094.D
 Acq: 09 Dec 2020 17:51

Instrument :
 BNA_M
 ClientSampleId :
 X2S37

Tot Ion	Ratio	Lower	Upper
250	100		
248	64.5	48.9	73.3
252	65.1	49.4	74.0

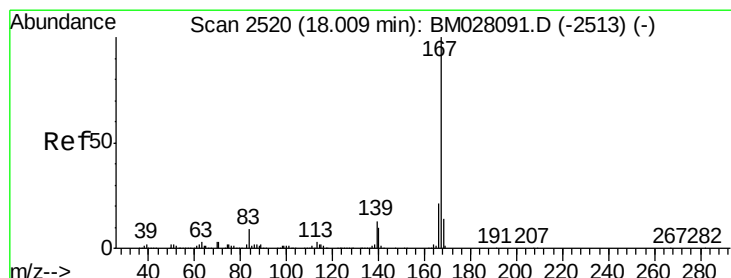
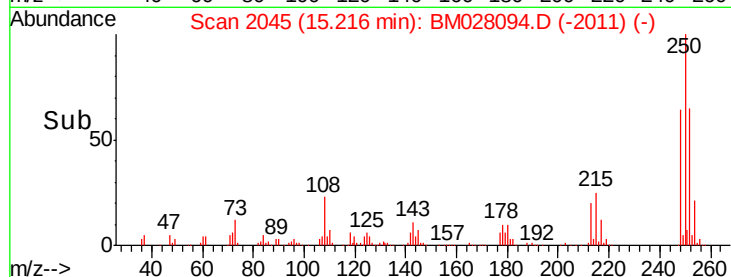
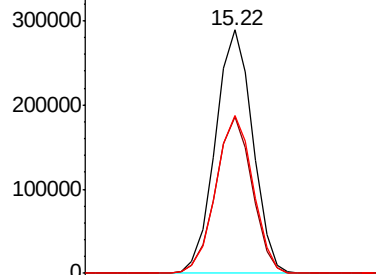


Abundance

Ion 250.00 (249.70 to 250.70): E

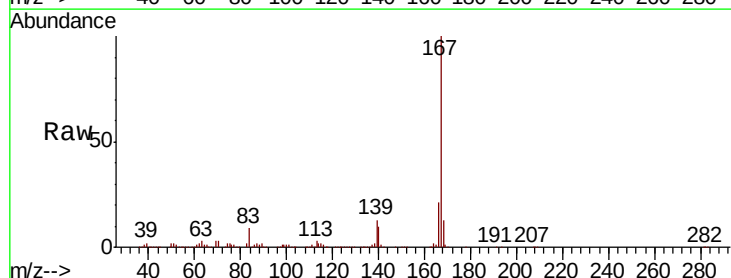
Ion 248.00 (247.70 to 248.70): E

Ion 252.00 (251.70 to 252.70): E



#77
 Carbazole
 Concen: 48.005 ng/uL
 RT: 18.02 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: BM028094.D
 Acq: 09 Dec 2020 17:51

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.4
139	12.5	10.3	15.5

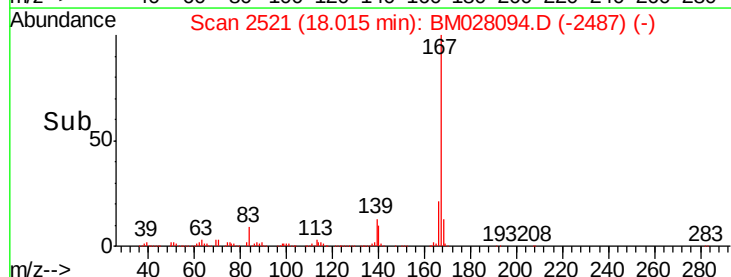
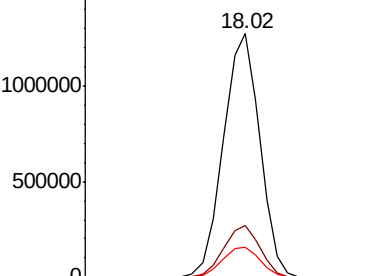


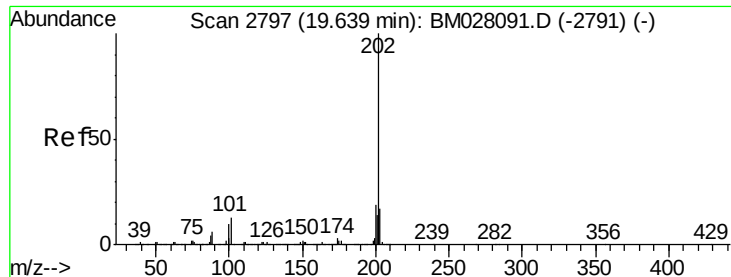
Abundance

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

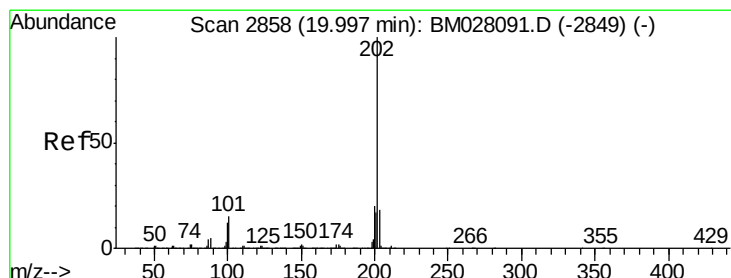
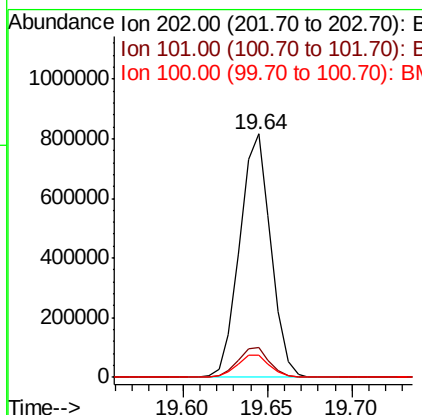
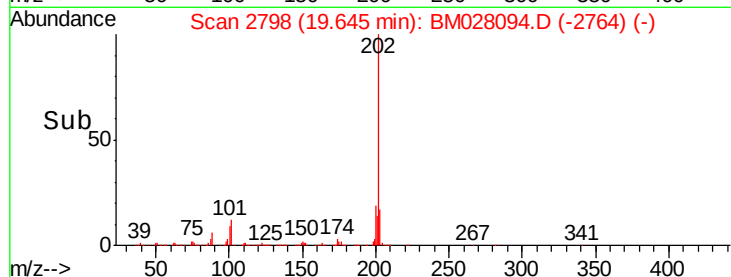
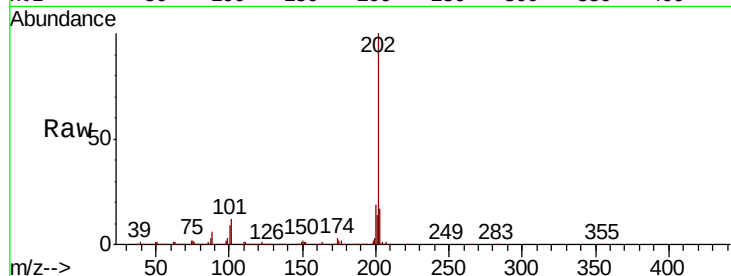




#80
Fluoranthene
Concen: 23.894 ng/ul
RT: 19.64 min Scan# 2798
Delta R.T. 0.00 min
Lab File: BM028094.D
Acq: 09 Dec 2020 17:51

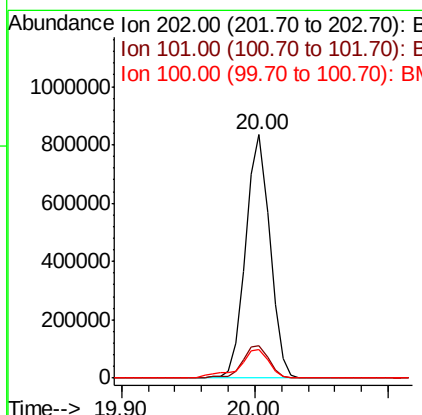
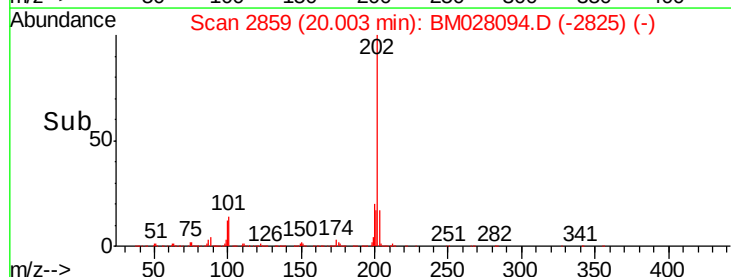
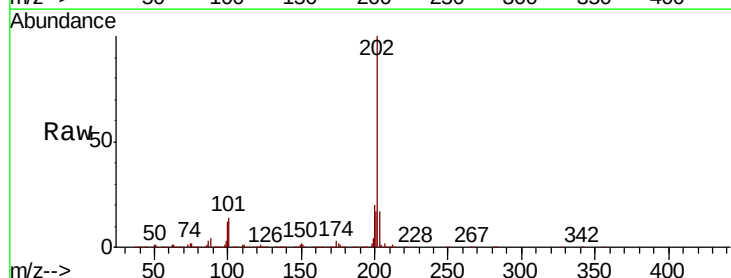
Instrument :
BNA_M
ClientSampleId :
X2S37

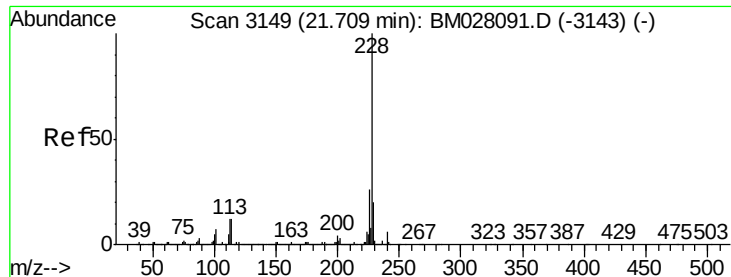
Tot Ion:202 Resp: 1047268
Ion Ratio Lower Upper
202 100
101 12.1 9.8 14.8
100 9.1 7.7 11.5



#82
Pyrene
Concen: 23.037 ng/ul
RT: 20.00 min Scan# 2859
Delta R.T. 0.00 min
Lab File: BM028094.D
Acq: 09 Dec 2020 17:51

Tgt Ion:202 Resp: 1045923
Ion Ratio Lower Upper
202 100
101 13.6 11.8 17.6
100 11.7 9.8 14.8





#85

Benzo(a)anthracene

Concen: 31.688 ng/ul

RT: 21.72 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BM028094.D

Acq: 09 Dec 2020 17:51

Instrument :

BNA_M

ClientSampleId :

X2S37

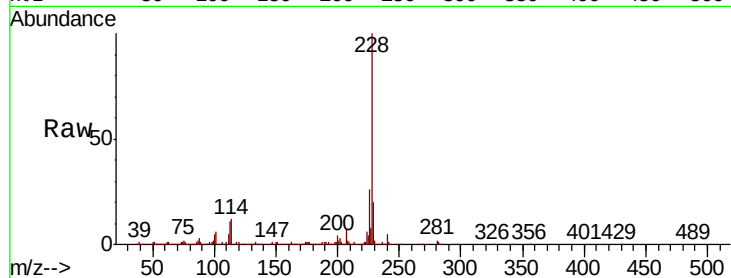
Tot Ion:228 Resp: 1338238

Ion Ratio Lower Upper

228 100

229 19.8 15.0 22.4

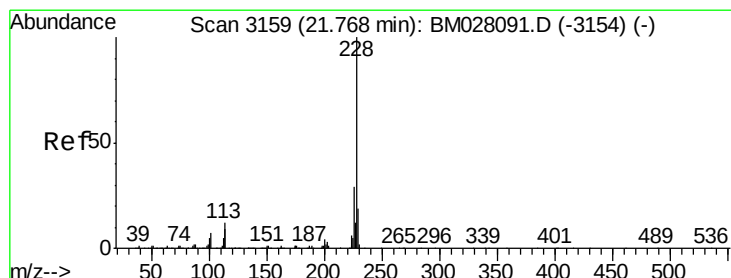
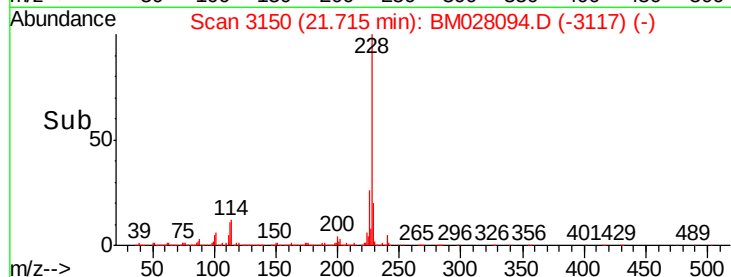
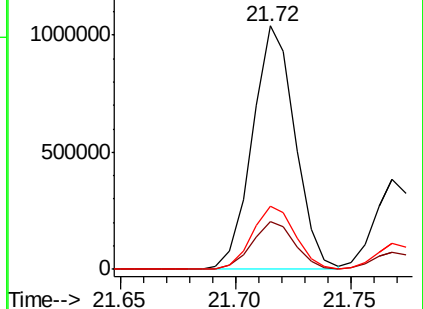
226 26.1 20.9 31.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#87

Chrysene

Concen: 11.537 ng/ul

RT: 21.77 min Scan# 3159

Delta R.T. -0.01 min

Lab File: BM028094.D

Acq: 09 Dec 2020 17:51

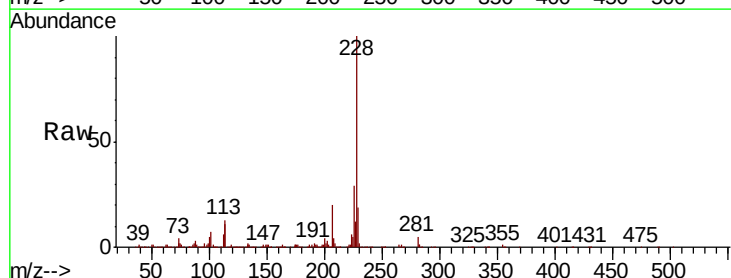
Tgt Ion:228 Resp: 477728

Ion Ratio Lower Upper

228 100

226 28.7 23.0 34.4

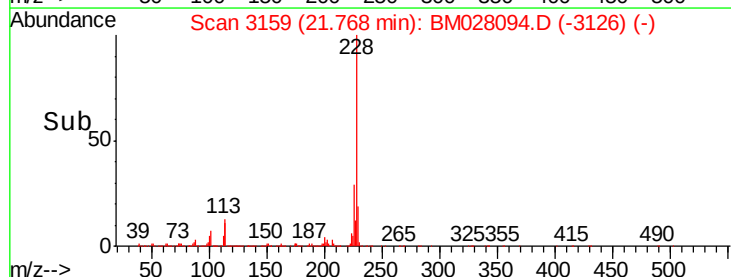
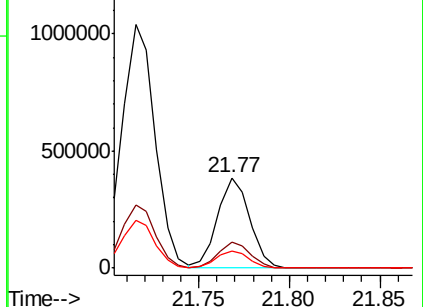
229 19.5 15.5 23.3

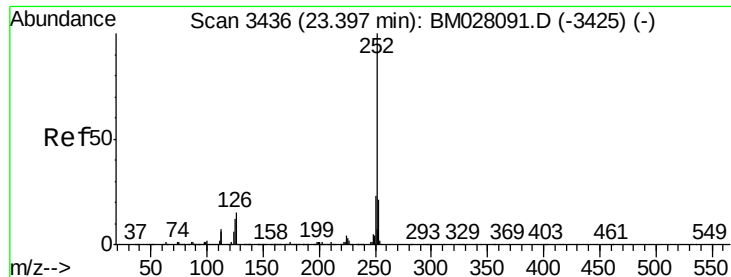


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#90

Benzo(b)fluoranthene

Concen: 23.888 ng/ul

RT: 23.40 min Scan# 3437

Delta R.T. -0.01 min

Lab File: BM028094.D

Acq: 09 Dec 2020 17:51

Instrument :

BNA_M

ClientSampleId :

X2S37

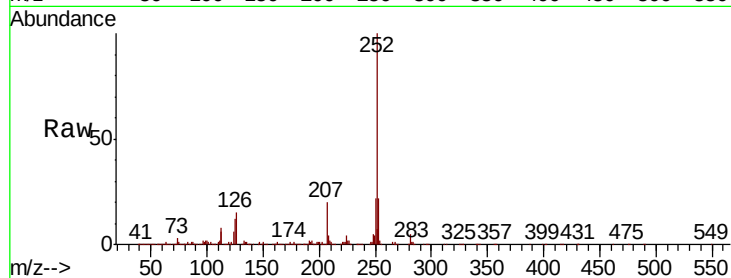
Tot Ion:252 Resp: 955305

Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

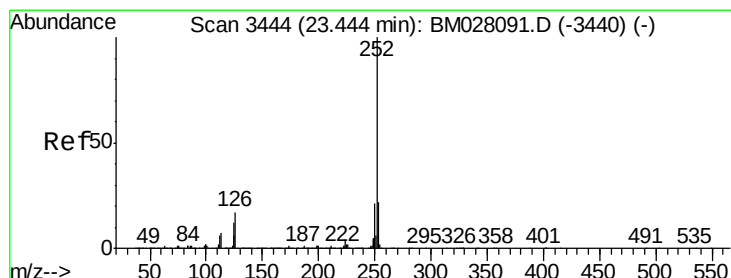
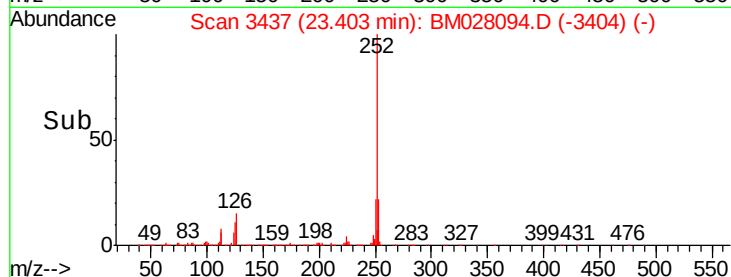
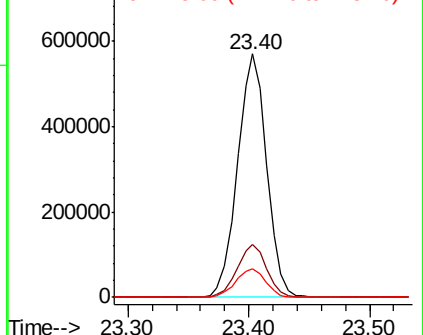
125 11.6 10.2 15.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(k)fluoranthene

Concen: 24.716 ng/ul

RT: 23.40 min Scan# 3437

Delta R.T. -0.05 min

Lab File: BM028094.D

Acq: 09 Dec 2020 17:51

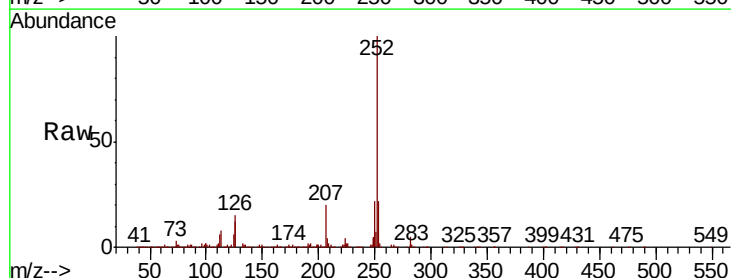
Tgt Ion:252 Resp: 955305

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

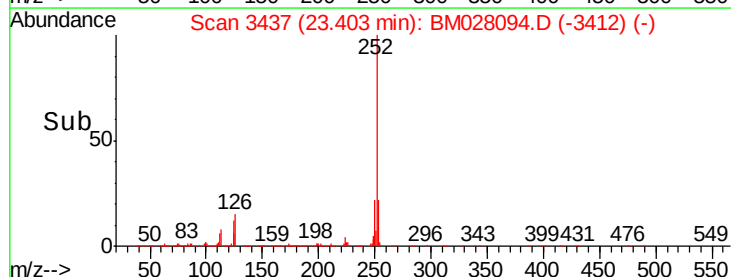
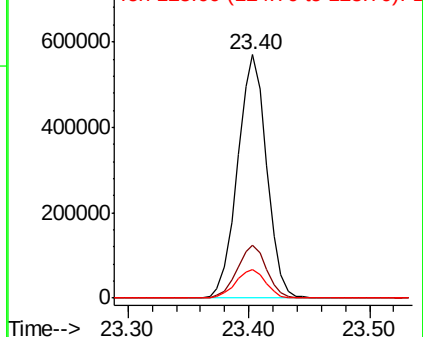
125 11.6 9.3 13.9

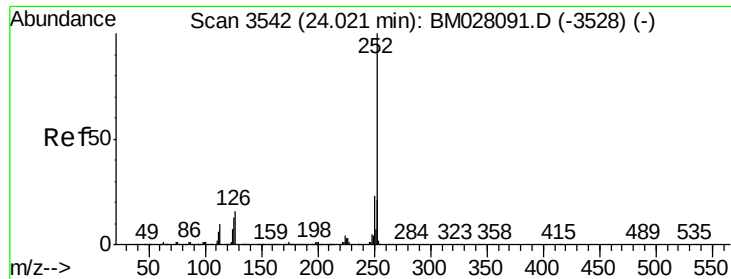


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#93

Benzo(a)pyrene

Concen: 15.356 ng/ul

RT: 24.03 min Scan# 3543

Delta R.T. -0.01 min

Lab File: BM028094.D

Acq: 09 Dec 2020 17:51

Instrument :

BNA_M

ClientSampleId :

X2S37

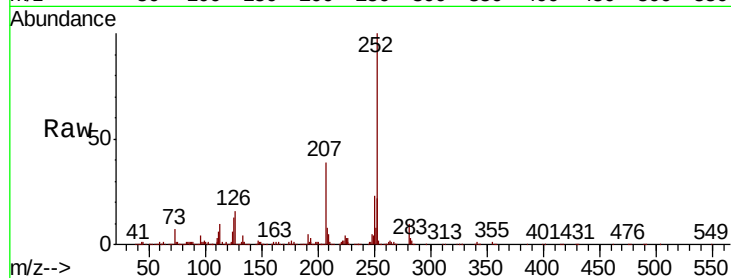
Tot Ion:252 Resp: 549468

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 13.3 10.3 15.5

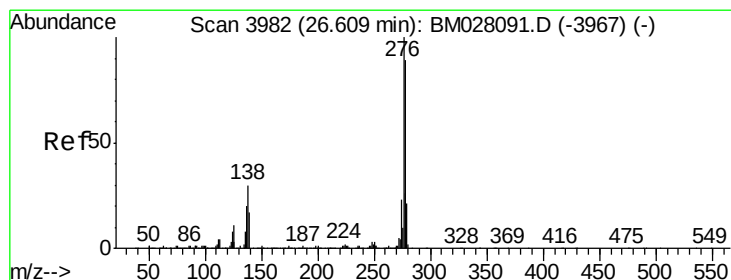
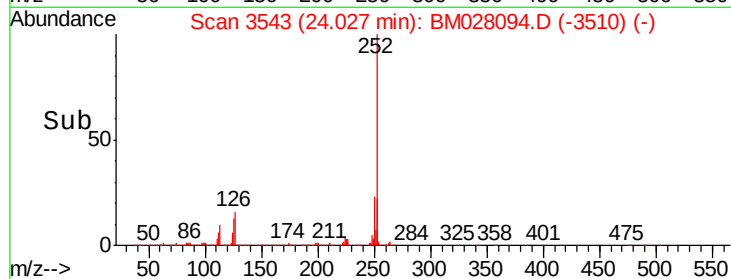
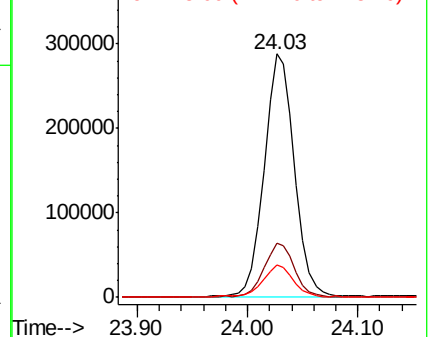


Abundance

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



#94

Indeno(1,2,3-cd)pyrene

Concen: 30.952 ng/ul

RT: 26.61 min Scan# 3983

Delta R.T. -0.01 min

Lab File: BM028094.D

Acq: 09 Dec 2020 17:51

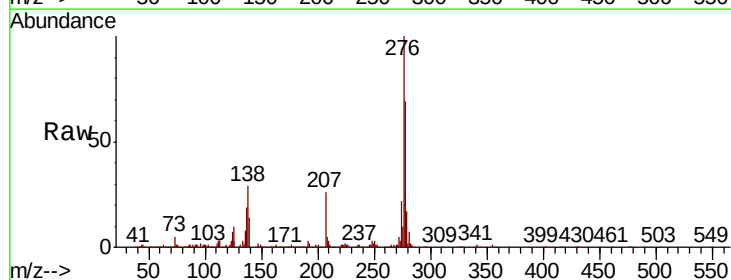
Tgt Ion:276 Resp: 1319513

Ion Ratio Lower Upper

276 100

138 28.7 24.0 36.0

277 24.7 20.0 30.0

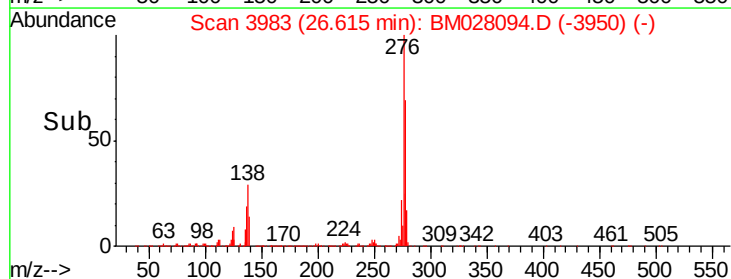
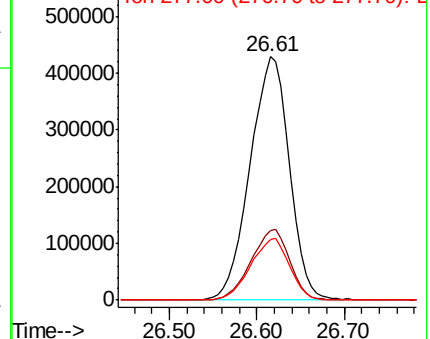


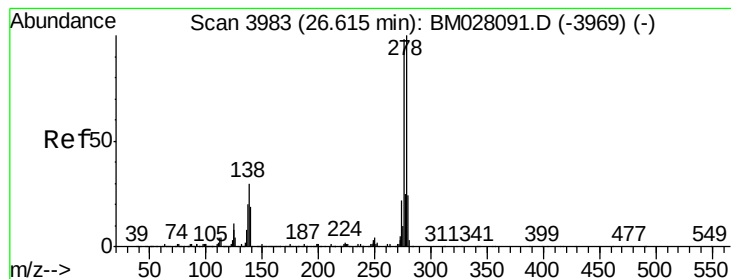
Abundance

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





#95

Dibenzo(a,h)anthracene

Concen: 25.975 ng/ul

RT: 26.63 min Scan# 3985

Delta R.T. -0.01 min

Lab File: BM028094.D

Acq: 09 Dec 2020 17:51

Instrument :

BNA_M

ClientSampleId :

X2S37

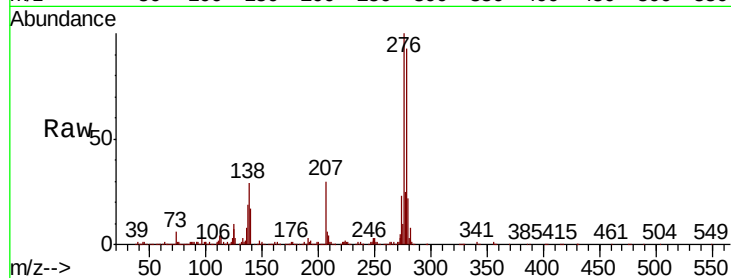
Tot Ion:278 Resp: 941681

Ion Ratio Lower Upper

278 100

139 18.4 15.0 22.6

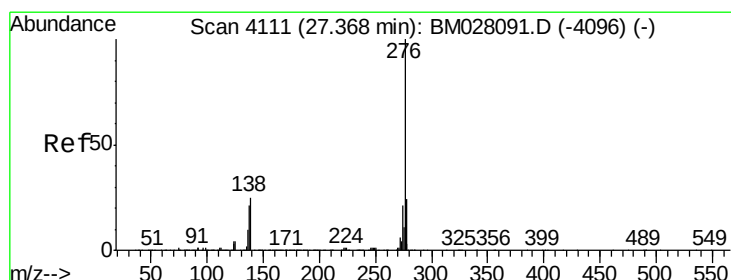
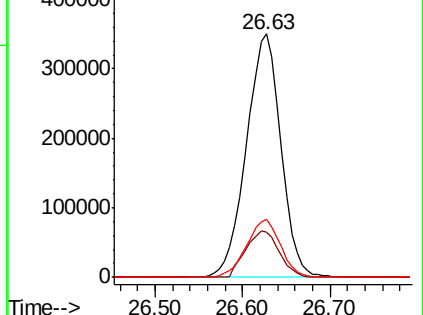
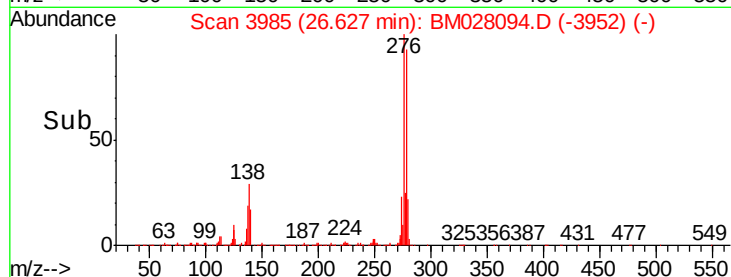
279 23.8 18.6 27.8



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#96

Benzo(g,h,i)perylene

Concen: 13.548 ng/ul

RT: 27.37 min Scan# 4112

Delta R.T. -0.01 min

Lab File: BM028094.D

Acq: 09 Dec 2020 17:51

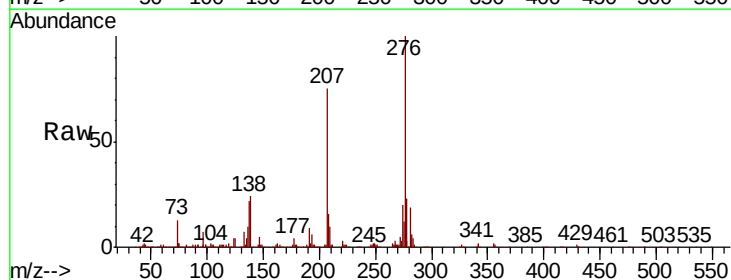
Tgt Ion:276 Resp: 484382

Ion Ratio Lower Upper

276 100

138 23.8 20.6 31.0

277 22.9 19.1 28.7



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

