

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120920\
 Data File : BM028094.D
 Acq On : 09 Dec 2020 12:01
 Operator : JU/CG
 Sample : L4958-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X2S37

Quant Time: Dec 19 04:42:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM120820.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 09 10:40:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	132807	20.00	ng/ul	0.00
20) Naphthalene-d8	11.11	136	542731	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.90	164	311520	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.62	188	633432	20.00	ng/ul	0.00
79) Chrysene-d12	21.73	240	597864	20.00	ng/ul	0.00
88) Perylene-d12	24.13	264	577891	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	19218	5.53	ng/uL	0.00
4) Pyridine-d5	3.92	84	255462	26.89	ng/ul	0.00
7) Phenol-d5	7.41	99	360990	31.84	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	7.59	67	225262	31.27	ng/ul	0.00
11) 2-Chlorophenol-d4	7.80	132	306558	32.48	ng/ul	0.00
15) 4-Methylphenol-d8	8.98	113	289747	31.32	ng/ul	0.00
21) Nitrobenzene-d5	9.46	128	139638	31.89	ng/ul	0.00
24) 2-Nitrophenol-d4	10.18	143	146749	32.54	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.72	165	287171	32.41	ng/ul	0.00
31) 4-Chloroaniline-d4	11.24	131	321306	25.99	ng/ul	0.00
46) Dimethylphthalate-d6	14.30	166	821098	33.15	ng/ul	0.00
49) Acenaphthylene-d8	14.60	160	976250	32.44	ng/ul	0.00
54) 4-Nitrophenol-d4	15.06	143	153190	32.83	ng/ul	0.00
60) Fluorene-d10	15.88	176	696865	32.34	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.99	200	116022	29.98	ng/ul	0.00
73) Anthracene-d10	17.72	188	1044192	33.12	ng/ul	0.00
81) Pyrene-d10	19.97	212	1114321	34.32	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.98	264	1085533	34.31	ng/ul	0.00

Target Compounds

					Ovalue
2) 1,4-Dioxane	3.50	88	18066	4.965	ng/uL 93
6) Benzaldehyde	7.40	77	122459	27.665	ng/ul 97
10) Bis(2-Chloroethyl)ether	7.68	93	549758	56.431	ng/ul 99
17) N-Nitroso-di-n-propylamine	9.09	70	161533	23.559	ng/ul 98
22) Nitrobenzene	9.50	77	123597	11.626	ng/ul 98
25) 2-Nitrophenol	10.22	139	118757	23.763	ng/ul 98
29) 2,4-Dichlorophenol	10.75	162	211837	24.281	ng/ul 100
30) Naphthalene	11.16	128	385922	12.309	ng/ul 99
33) Hexachlorobutadiene	11.45	225	154704	27.209	ng/ul 96
36) 2-Methylnaphthalene	12.75	142	502366	23.574	ng/ul 99
37) 1-Methylnaphthalene	12.97	142	771574	37.645	ng/ul 98
39) 1,2,4,5-Tetrachlorobenzene	13.12	216	123817	11.782	ng/ul 99
40) Hexachlorocyclopentadiene	13.09	237	309271	50.196	ng/ul 98
41) 2,4,6-Trichlorophenol	13.34	196	273074	42.314	ng/ul 99
43) 1,1'-Biphenyl	13.74	154	1286292	47.652	ng/ul 99
44) 2-Chloronaphthalene	13.79	162	248132	11.741	ng/ul 99
48) 2,6-Dinitrotoluene	14.47	165	197162	40.290	ng/ul 94
50) Acenaphthylene	14.63	152	544190	17.478	ng/ul 99
52) Acenaphthene	14.96	153	263911	11.754	ng/ul 99
53) 2,4-Dinitrophenol	15.00	184	151299	53.759	ng/ul 93
56) Dibenzofuran	15.29	168	368767	12.057	ng/ul 96
61) Fluorene	15.93	166	326807	12.837	ng/ul 99

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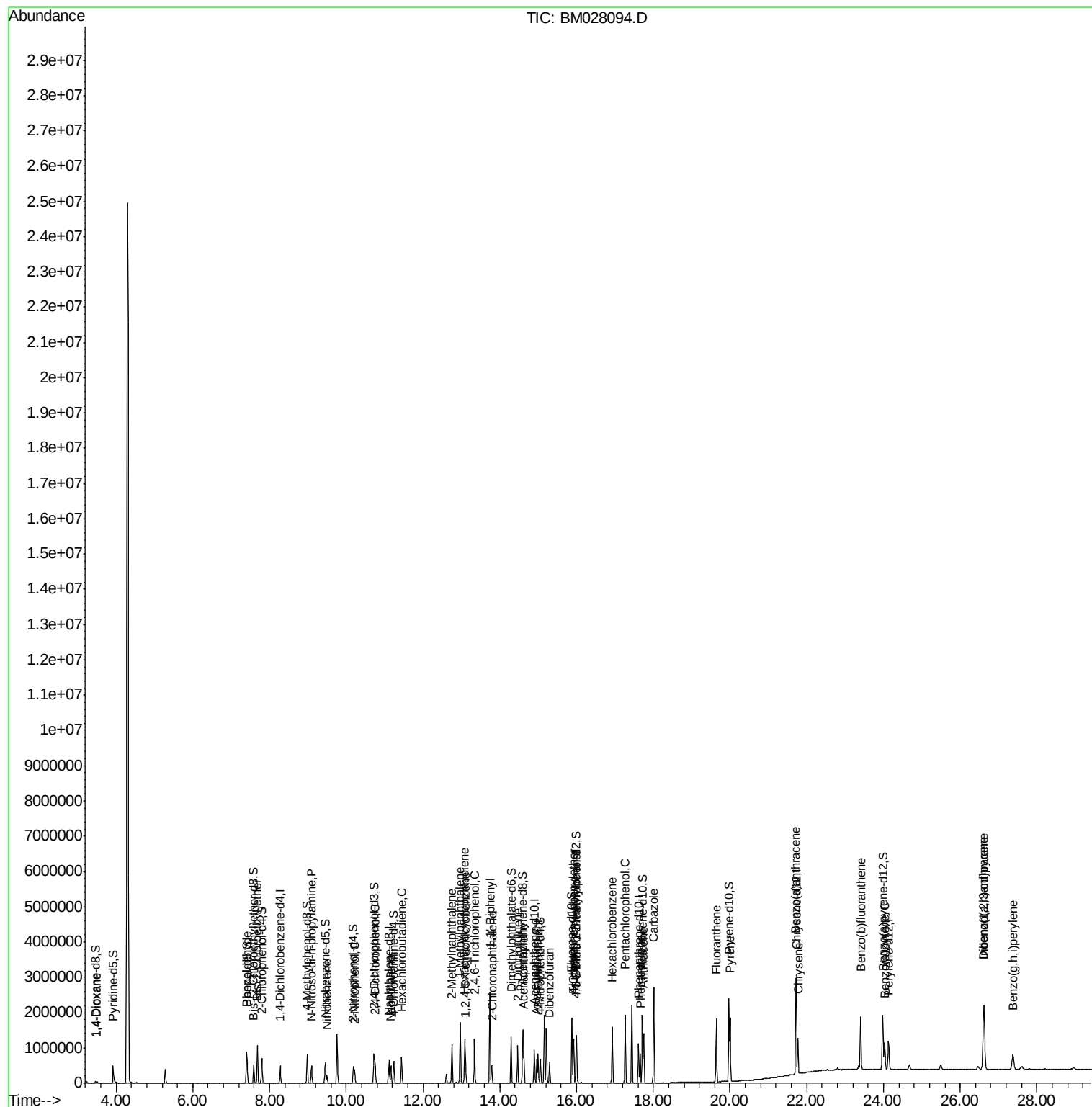
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 4-Chlorophenyl-phenylether	15.92	204	248865	19.835	ng/ul	98
66) 4,6-Dinitro-2-methylphenol	16.00	198	224650	53.418	ng/ul	98
69) Hexachlorobenzene	16.93	284	324418	38.186	ng/ul	98
71) Pentachlorophenol	17.27	266	315478	64.308	ng/ul	99
72) Phenanthrene	17.66	178	476649	12.198	ng/ul	99
74) Anthracene	17.75	178	833477	20.926	ng/ul	99
77) Carbazole	18.02	167	1663698	49.191	ng/ul	99
80) Fluoranthene	19.64	202	1004518	23.772	ng/ul	100
82) Pyrene	20.00	202	996503	22.766	ng/ul	99
85) Benzo(a)anthracene	21.72	228	1327620	32.607	ng/ul	99
87) Chrysene	21.77	228	472983	11.848	ng/ul	99
90) Benzo(b)fluoranthene	23.40	252	977077	24.581	ng/ul	99
93) Benzo(a)pyrene	24.03	252	568846	15.994	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.61	276	1383875	32.659	ng/ul	99
95) Dibenzo(a,h)anthracene	26.63	278	984927	27.334	ng/ul	99
96) Benzo(g,h,i)perylene	27.37	276	506011	14.239	ng/ul	99

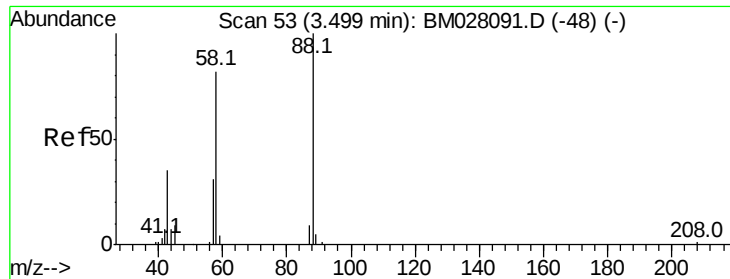
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 4.965 ng/uL

RT: 3.50 min Scan# 53

Delta R.T. -0.00 min

Lab File: BM028094.D

Acq: 09 Dec 2020 12:01

Instrument :

BNA_M

ClientSampleId :

X2S37

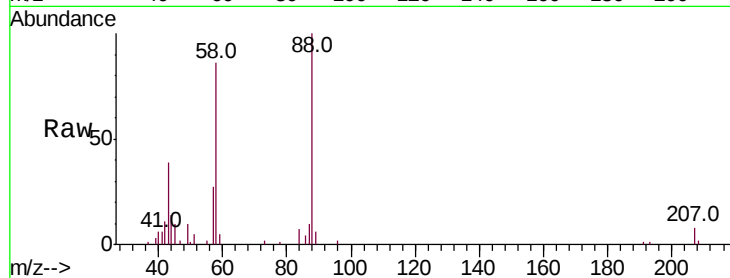
Tot Ion: 88 Resp: 18066

Ion Ratio Lower Upper

88 100

43 38.5 27.5 41.3

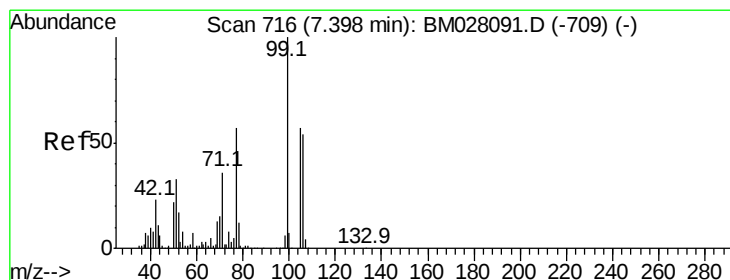
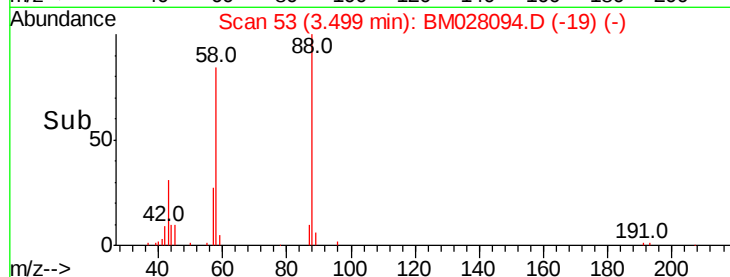
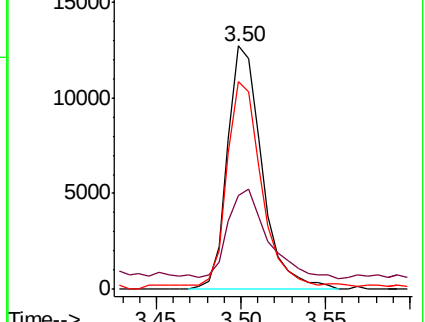
58 85.6 63.2 94.8



Abundance Ion 88.00 (87.70 to 88.70): BM028091.D (-48) (-)

Ion 43.00 (42.70 to 43.70): BM028091.D (-48) (-)

Ion 58.00 (57.70 to 58.70): BM028091.D (-48) (-)



#6

Benzaldehyde

Concen: 27.665 ng/uL

RT: 7.40 min Scan# 716

Delta R.T. -0.00 min

Lab File: BM028094.D

Acq: 09 Dec 2020 12:01

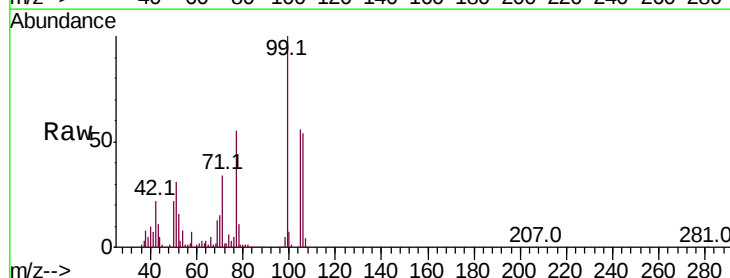
Tgt Ion: 77 Resp: 122459

Ion Ratio Lower Upper

77 100

105 101.6 82.0 123.0

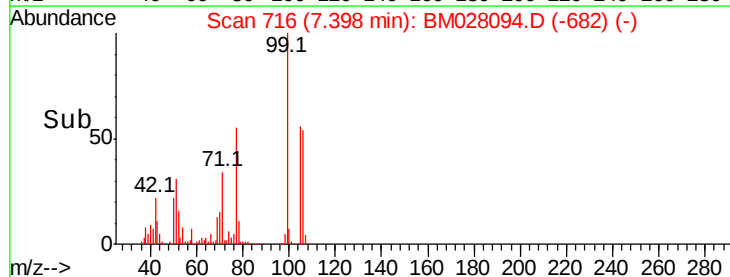
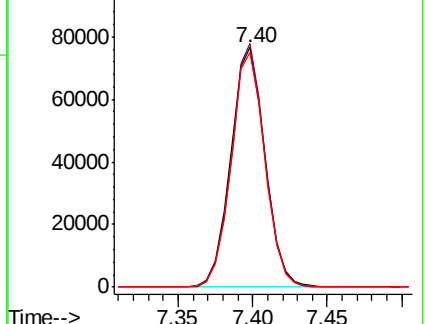
106 98.0 74.5 111.7

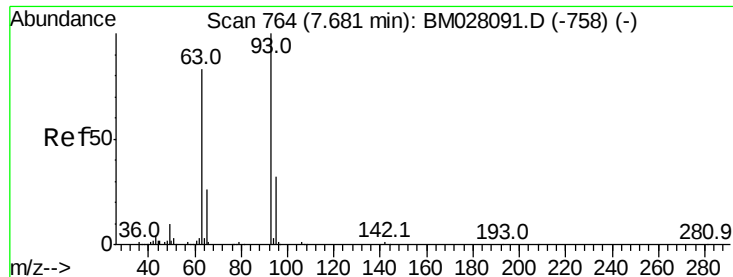


Abundance Ion 77.00 (76.70 to 77.70): BM028091.D (-709) (-)

Ion 105.00 (104.70 to 105.70): BM028091.D (-709) (-)

Ion 106.00 (105.70 to 106.70): BM028091.D (-709) (-)

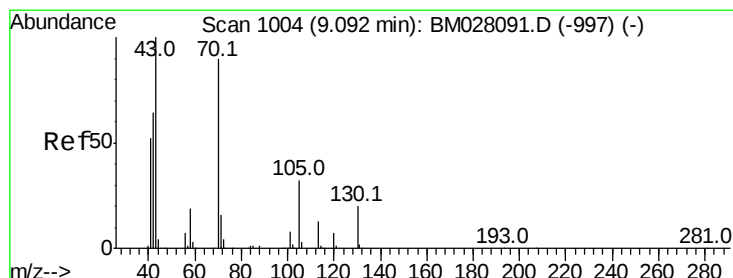
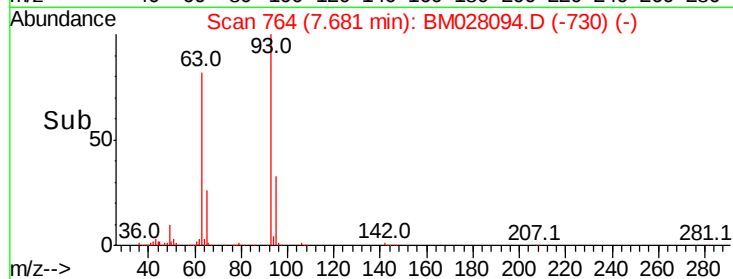
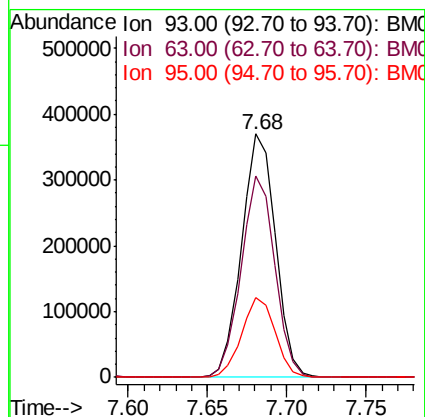
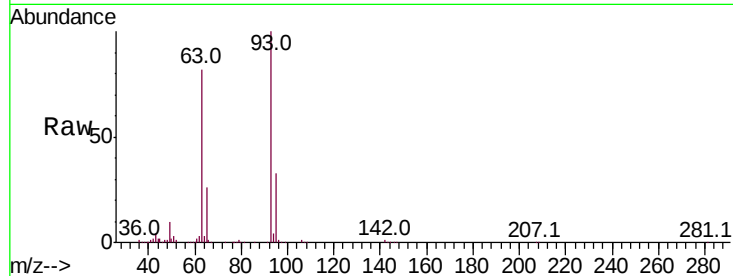




#10
Bis(2-Chloroethyl)ether
Concen: 56.431 ng/ul
RT: 7.68 min Scan# 764
Delta R.T. -0.00 min
Lab File: BM028094.D
Acq: 09 Dec 2020 12:01

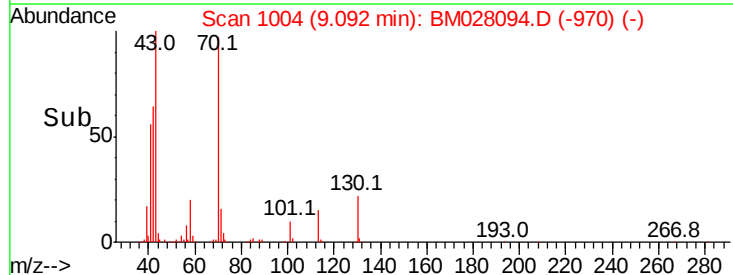
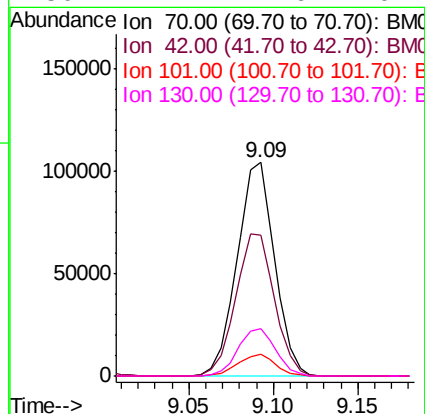
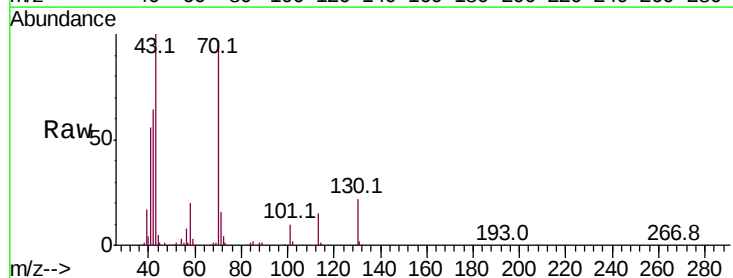
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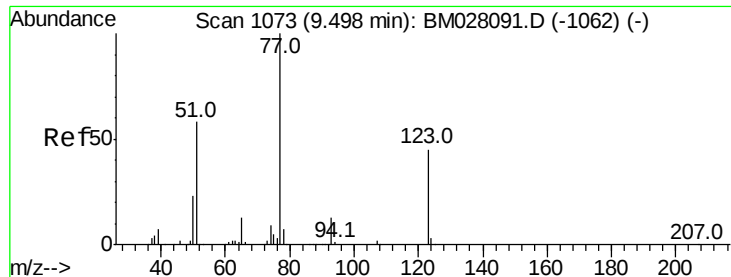
Tot Ion: 93 Resp: 549758
Ion Ratio Lower Upper
93 100
63 82.5 67.0 100.4
95 32.8 26.8 40.2



#17
N-Nitroso-di-n-propylamine
Concen: 23.559 ng/ul
RT: 9.09 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BM028094.D
Acq: 09 Dec 2020 12:01

Tgt Ion: 70 Resp: 161533
Ion Ratio Lower Upper
70 100
42 66.1 55.0 82.4
101 10.2 8.6 12.8
130 22.4 17.6 26.4





#22

Nitrobenzene

Concen: 11.626 ng/ul

RT: 9.50 min Scan# 1073

Delta R.T. -0.00 min

Lab File: BM028094.D

Acq: 09 Dec 2020 12:01

Instrument :

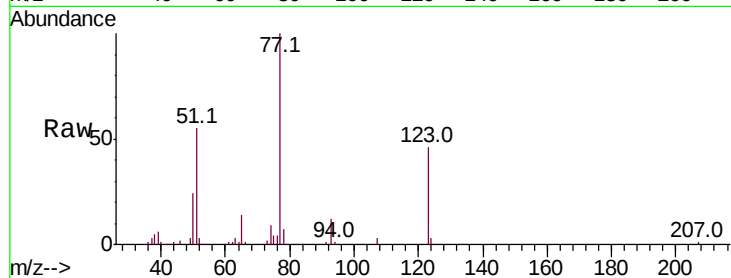
BNA_M

ClientSampleId :

X2S37

Tot Ion: 77 Resp: 123597

Ion	Ratio	Lower	Upper
77	100		
123	45.5	37.9	56.9
65	13.8	11.1	16.7

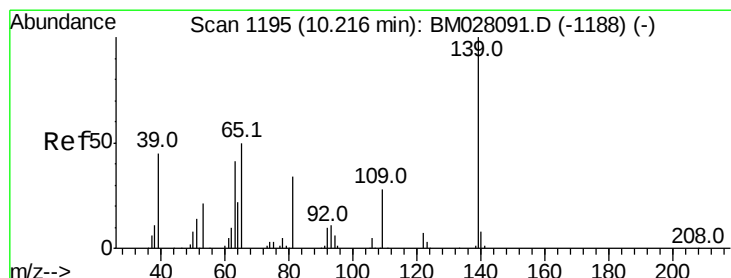
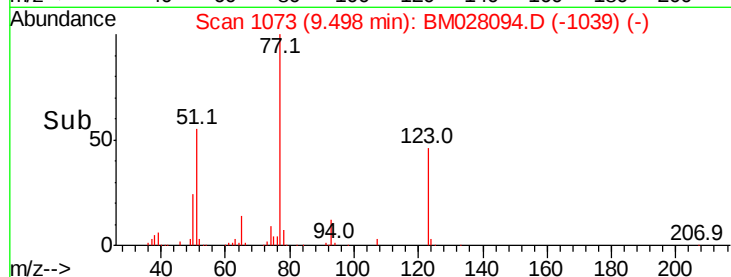
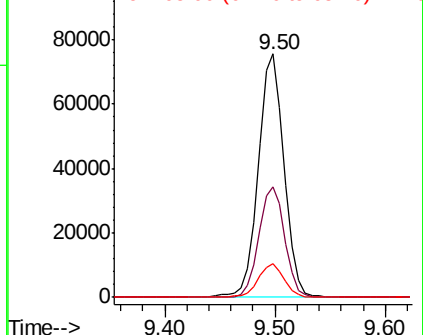


Abundance

Ion 77.00 (76.70 to 77.70): BM028091.D (-1062) (-)

Ion 123.00 (122.70 to 123.70): BM028091.D (-1062) (-)

Ion 65.00 (64.70 to 65.70): BM028091.D (-1062) (-)



#25

2-Nitrophenol

Concen: 23.763 ng/ul

RT: 10.22 min Scan# 1195

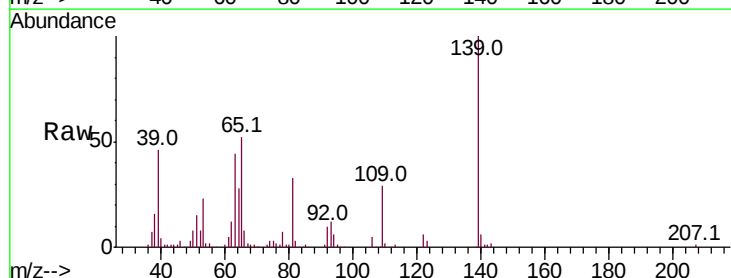
Delta R.T. -0.00 min

Lab File: BM028094.D

Acq: 09 Dec 2020 12:01

Tgt Ion: 139 Resp: 118757

Ion	Ratio	Lower	Upper
139	100		
65	52.2	43.0	64.6
109	29.3	23.7	35.5

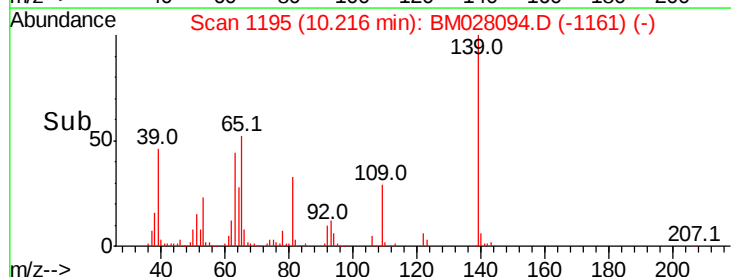
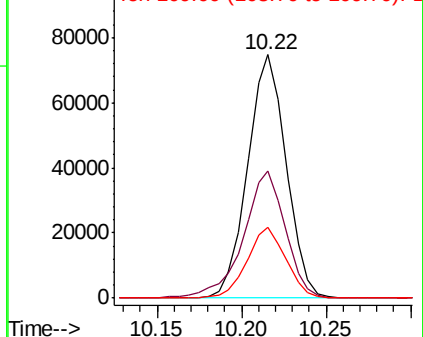


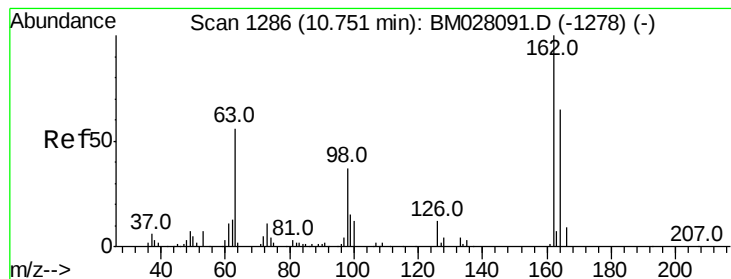
Abundance

Ion 139.00 (138.70 to 139.70): BM028091.D (-1188) (-)

Ion 65.00 (64.70 to 65.70): BM028091.D (-1188) (-)

Ion 109.00 (108.70 to 109.70): BM028091.D (-1188) (-)





#29

2,4-Dichlorophenol

Concen: 24.281 ng/ul

RT: 10.75 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BM028094.D

Acq: 09 Dec 2020 12:01

Instrument :

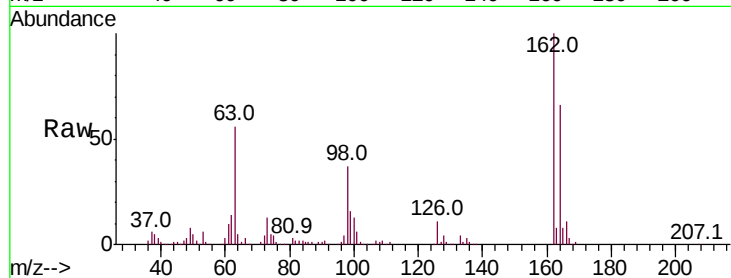
BNA_M

ClientSampleId :

X2S37

Tot Ion:162 Resp: 211837

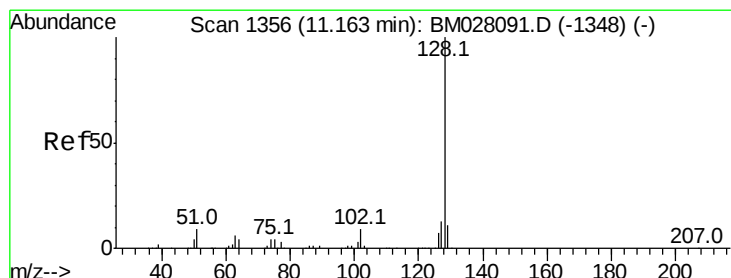
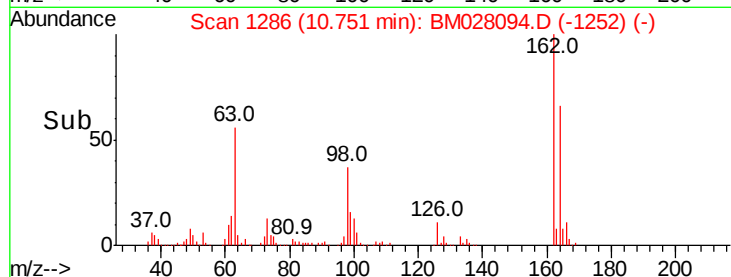
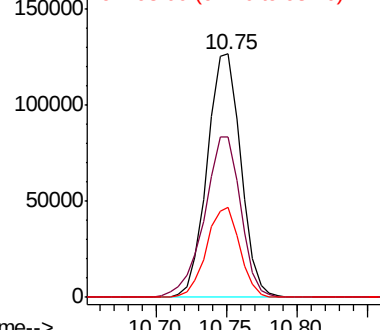
Ion	Ratio	Lower	Upper
162	100		
164	66.0	52.9	79.3
98	36.8	29.8	44.6



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): BM



#30

Naphthalene

Concen: 12.309 ng/ul

RT: 11.16 min Scan# 1356

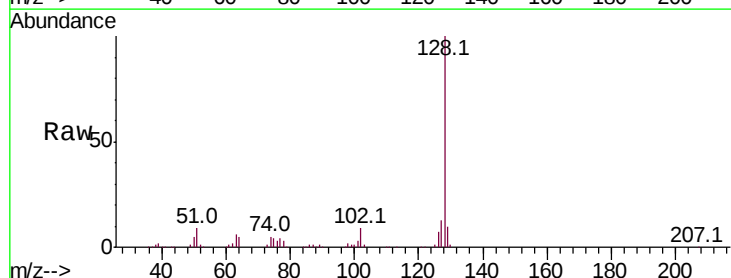
Delta R.T. -0.00 min

Lab File: BM028094.D

Acq: 09 Dec 2020 12:01

Tgt Ion:128 Resp: 385922

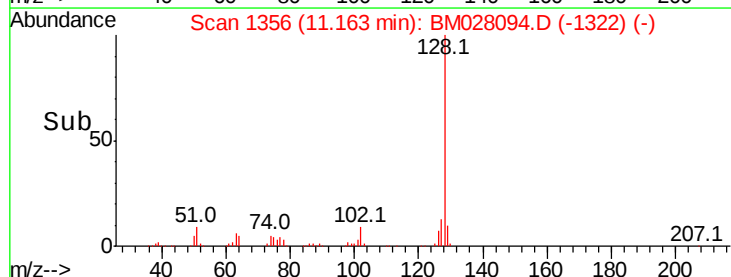
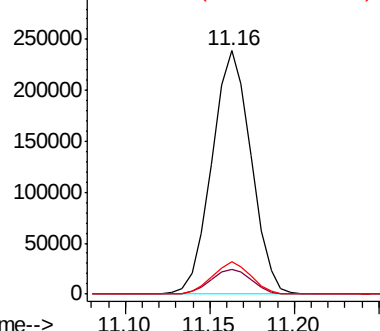
Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.7	13.1
127	13.2	10.7	16.1

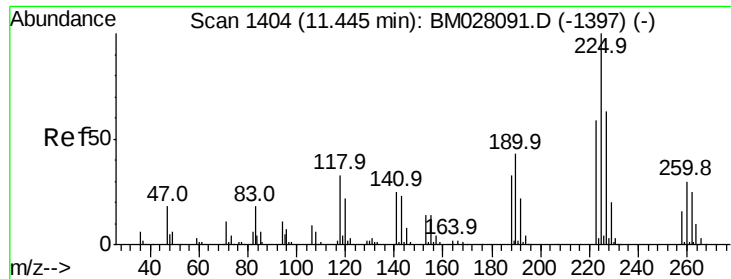


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

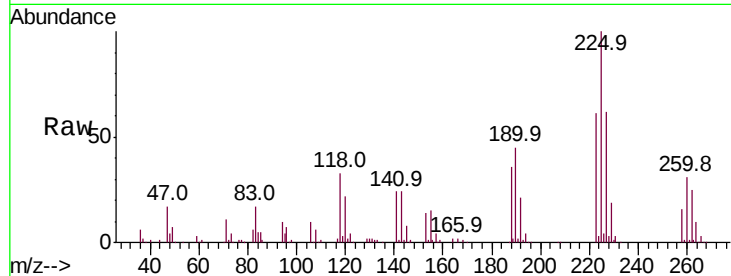




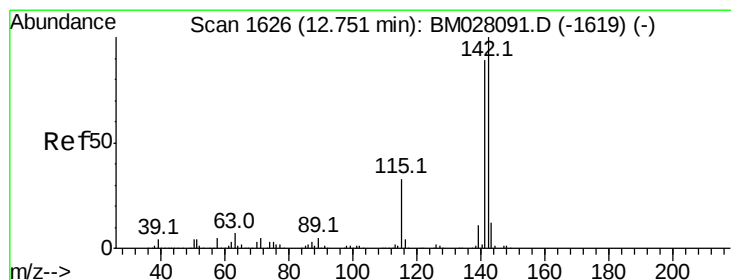
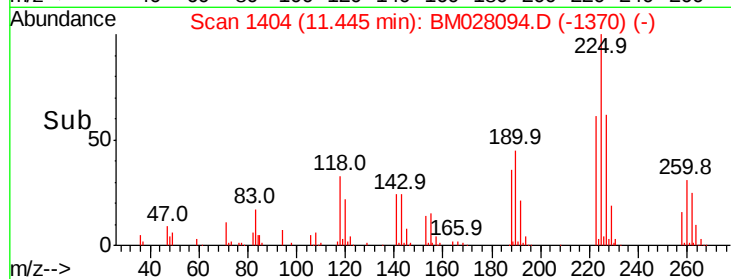
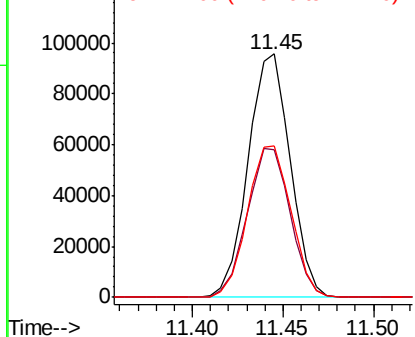
#33
Hexachlorobutadiene
Concen: 27.209 ng/ul
RT: 11.45 min Scan# 1404
Delta R.T. -0.00 min
Lab File: BM028094.D
Acq: 09 Dec 2020 12:01

Instrument :
BNA_M
ClientSampleId :
X2S37

Tot Ion:225 Resp: 154704
Ion Ratio Lower Upper
225 100
223 60.7 52.0 78.0
227 62.2 51.0 76.6

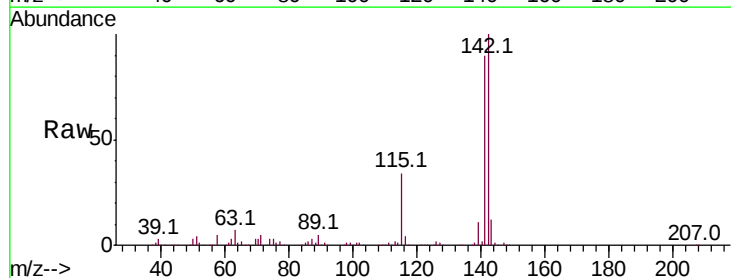


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

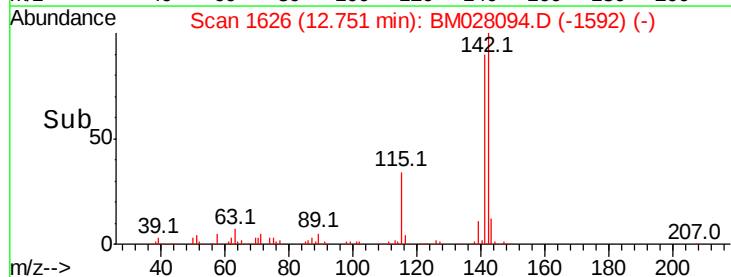
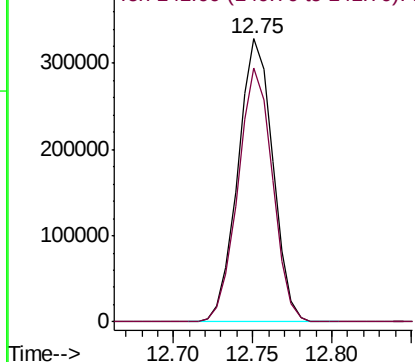


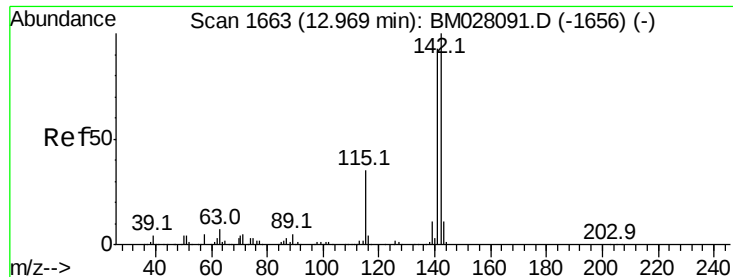
#36
2-Methylnaphthalene
Concen: 23.574 ng/ul
RT: 12.75 min Scan# 1626
Delta R.T. -0.00 min
Lab File: BM028094.D
Acq: 09 Dec 2020 12:01

Tgt Ion:142 Resp: 502366
Ion Ratio Lower Upper
142 100
141 89.6 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: 37.645 ng/ul

RT: 12.97 min Scan# 1663

Delta R.T. -0.00 min

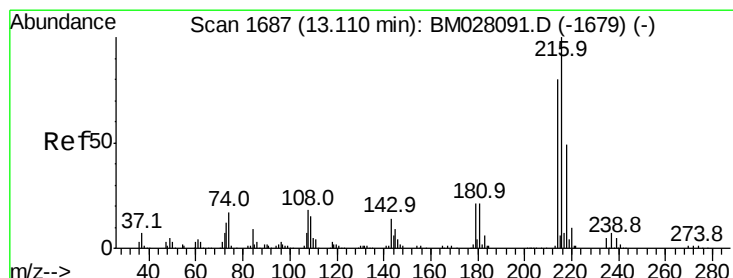
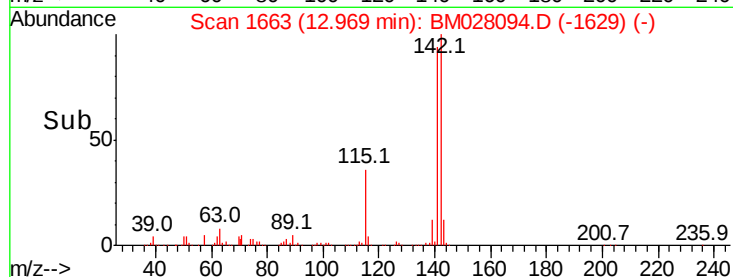
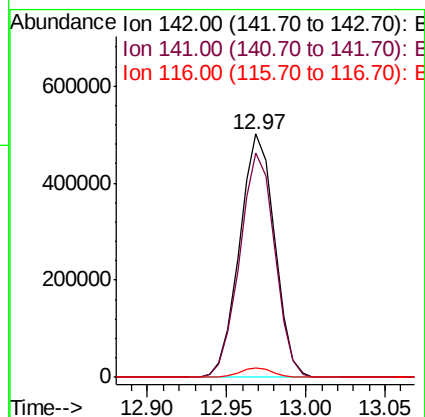
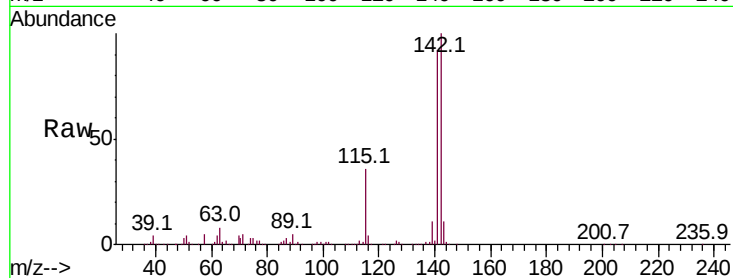
Lab File: BM028094.D

Acq: 09 Dec 2020 12:01

Instrument :
BNA_M
ClientSampleId :
X2S37

Tot Ion:142 Resp: 771574

Ion	Ratio	Lower	Upper
142	100		
141	92.4	75.4	113.0
116	3.7	2.9	4.3



#39

1,2,4,5-Tetrachlorobenzene

Concen: 11.782 ng/ul

RT: 13.12 min Scan# 1688

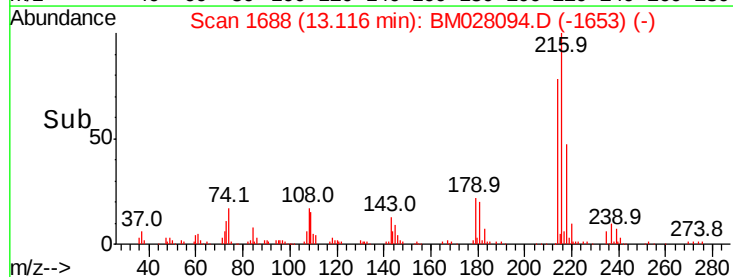
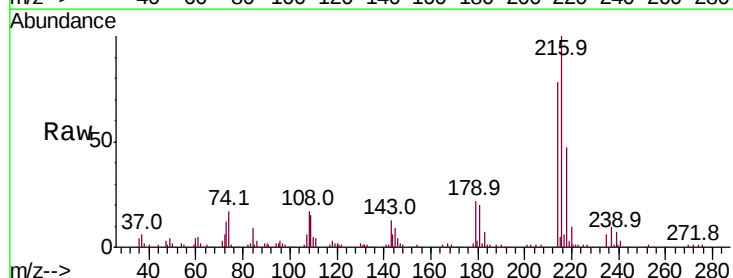
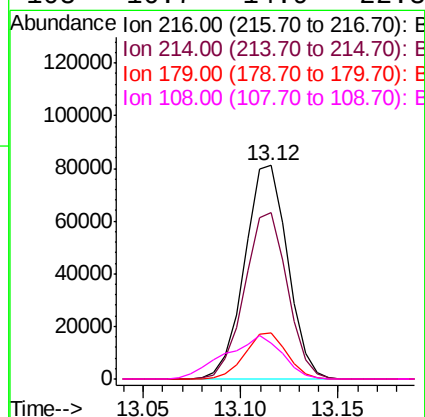
Delta R.T. 0.01 min

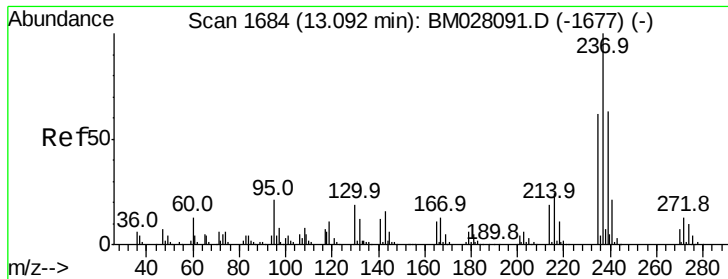
Lab File: BM028094.D

Acq: 09 Dec 2020 12:01

Tgt Ion:216 Resp: 123817

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.6	93.8
179	21.7	16.6	25.0
108	16.7	14.9	22.3

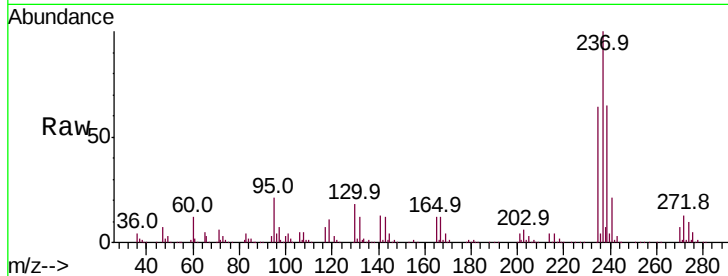




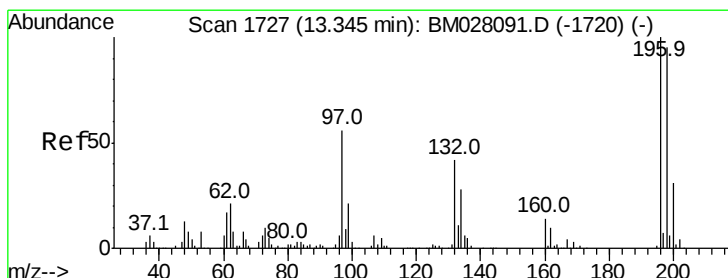
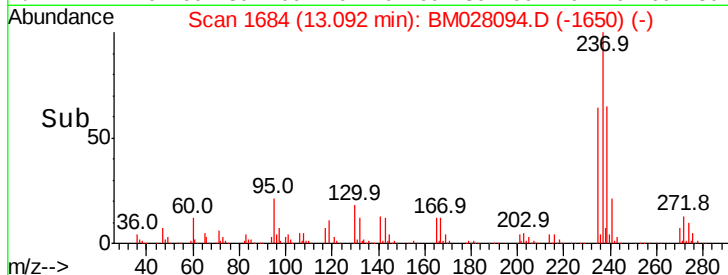
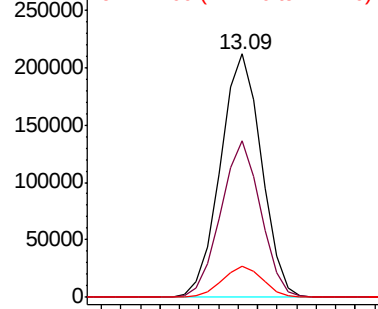
#40
Hexachlorocyclopentadiene
Concen: 50.196 ng/ul
RT: 13.09 min Scan# 1684
Delta R.T. -0.00 min
Lab File: BM028094.D
Acq: 09 Dec 2020 12:01

Instrument :
BNA_M
ClientSampled :
X2S37

Tot Ion:237 Resp: 309271
Ion Ratio Lower Upper
237 100
235 64.5 50.4 75.6
272 12.6 10.2 15.4

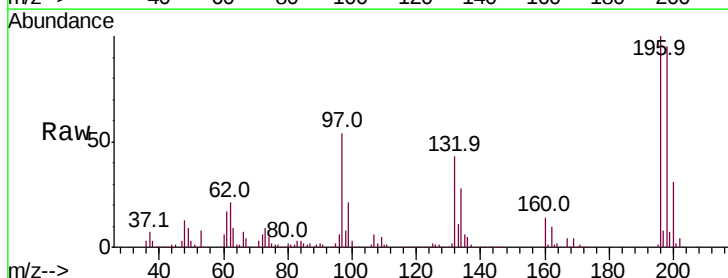


Abundance Ion 237.00 (236.70 to 237.70): E
Ion 235.00 (234.70 to 235.70): E
Ion 272.00 (271.70 to 272.70): E

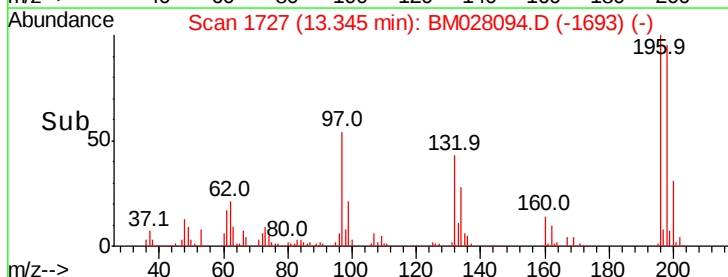
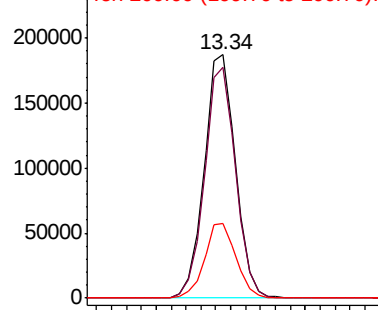


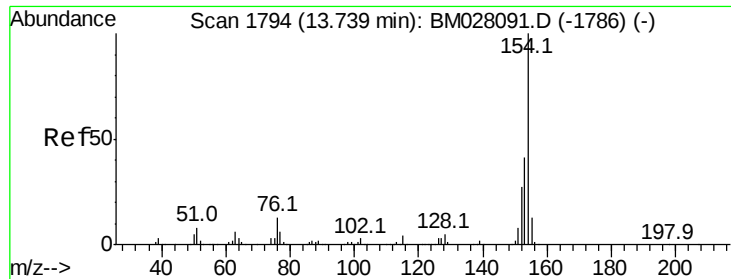
#41
2,4,6-Trichlorophenol
Concen: 42.314 ng/ul
RT: 13.34 min Scan# 1727
Delta R.T. -0.00 min
Lab File: BM028094.D
Acq: 09 Dec 2020 12:01

Tgt Ion:196 Resp: 273074
Ion Ratio Lower Upper
196 100
198 94.8 76.6 114.8
200 30.7 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

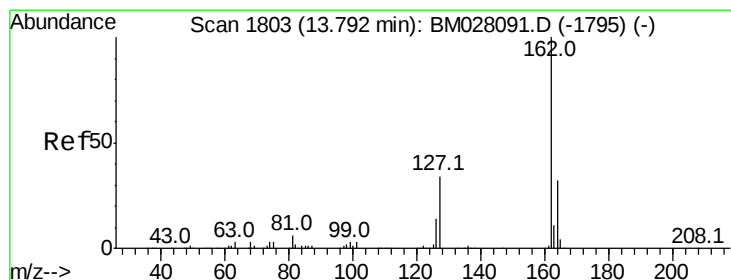
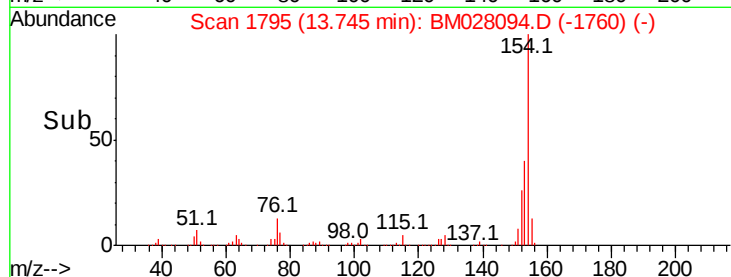
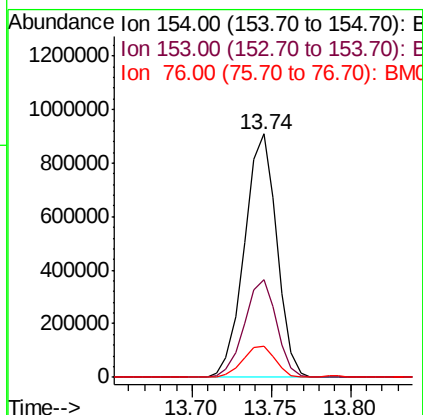
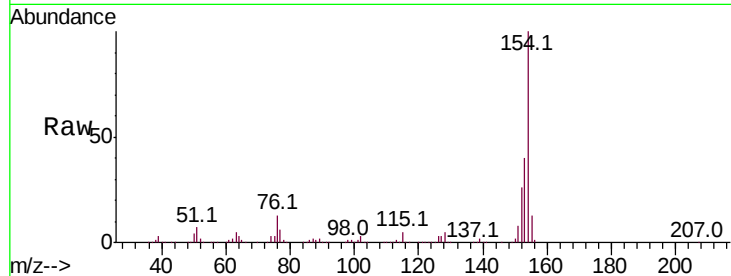




#43
 1,1'-Biphenyl
 Concen: 47.652 ng/ul
 RT: 13.74 min Scan# 1795
 Delta R.T. 0.01 min
 Lab File: BM028094.D
 Acq: 09 Dec 2020 12:01

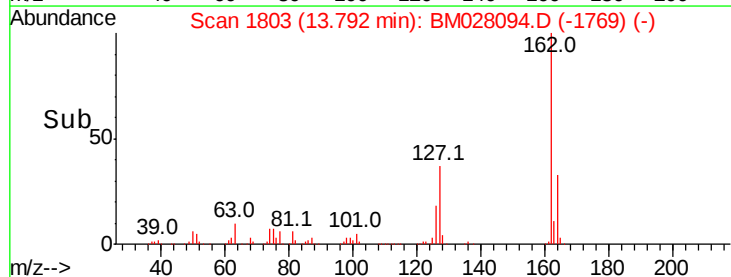
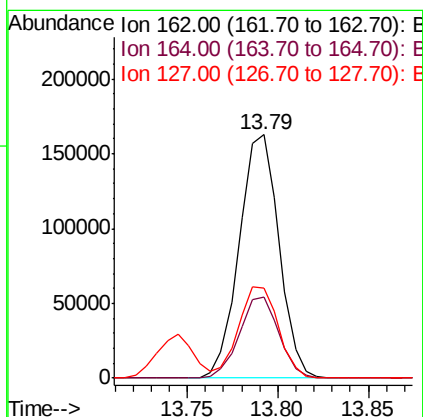
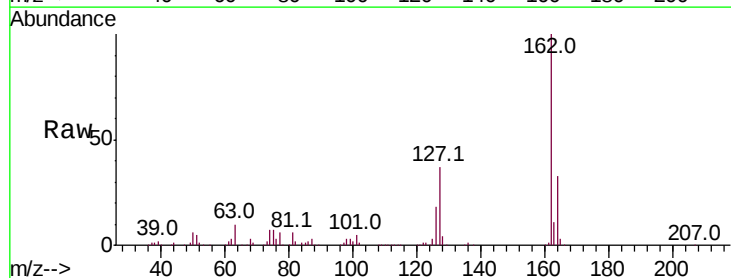
Instrument :
 BNA_M
 ClientSampleId :
 X2S37

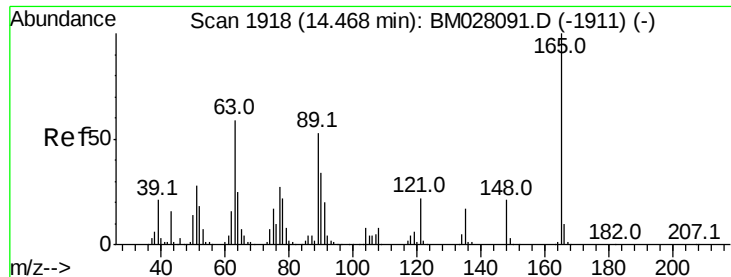
Tot Ion:154 Resp: 1286292
 Ion Ratio Lower Upper
 154 100
 153 39.9 31.6 47.4
 76 12.9 10.4 15.6



#44
 2-Chloronaphthalene
 Concen: 11.741 ng/ul
 RT: 13.79 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: BM028094.D
 Acq: 09 Dec 2020 12:01

Tgt Ion:162 Resp: 248132
 Ion Ratio Lower Upper
 162 100
 164 33.1 26.4 39.6
 127 36.8 30.6 46.0

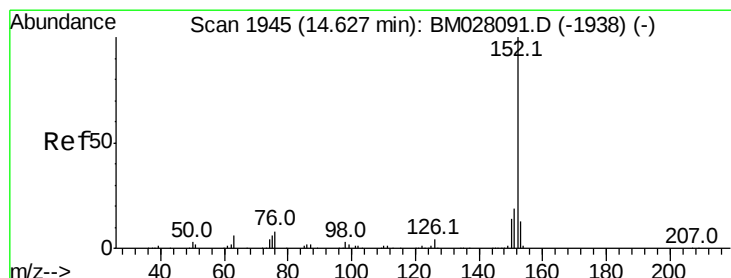
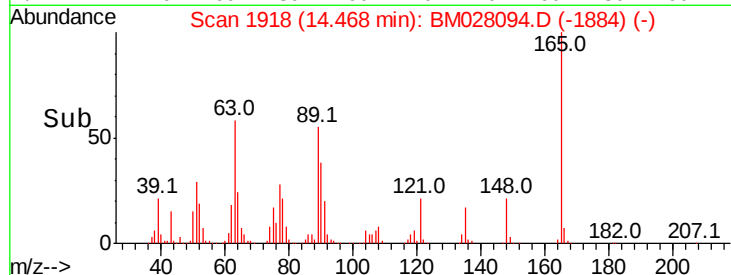
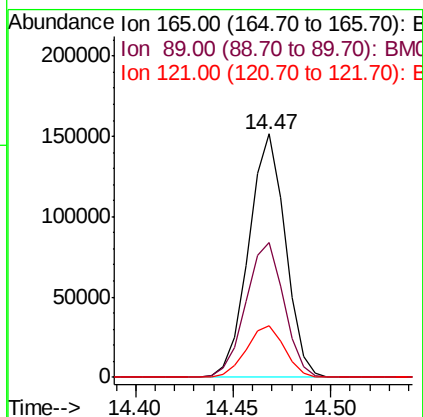
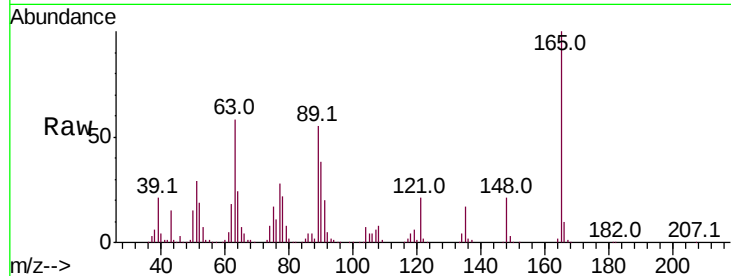




#48
 2,6-Dinitrotoluene
 Concen: 40.290 ng/ul
 RT: 14.47 min Scan# 1918
 Delta R.T. -0.00 min
 Lab File: BM028094.D
 Acq: 09 Dec 2020 12:01

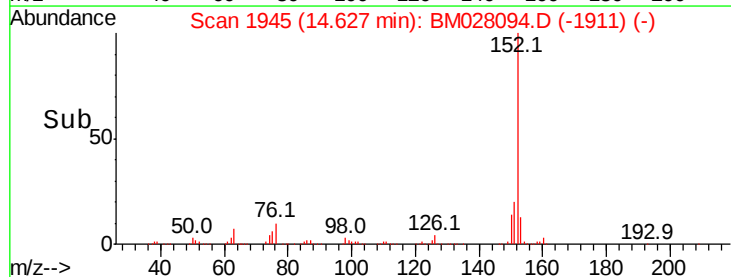
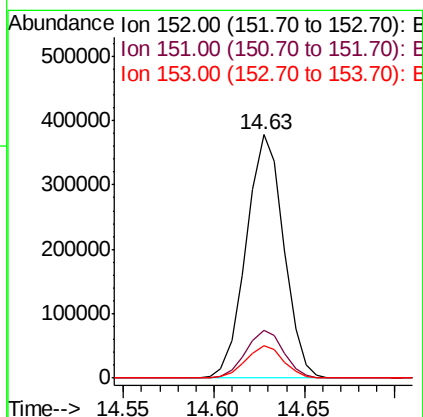
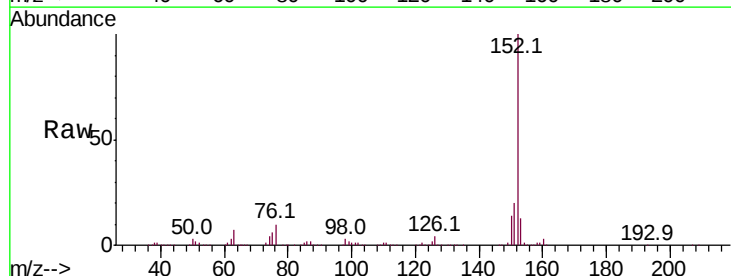
Instrument :
 BNA_M
 ClientSampleId :
 X2S37

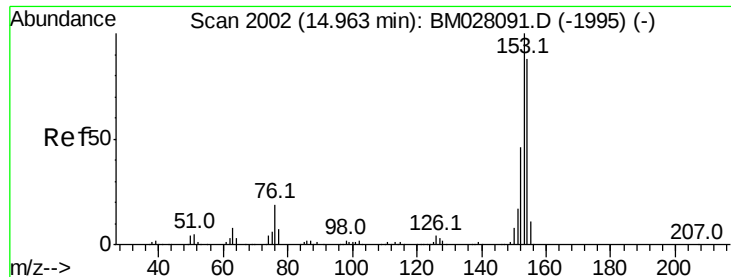
Tot Ion	Ratio	Lower	Upper
165	100		
89	55.3	48.5	72.7
121	21.5	18.2	27.4



#50
 Acenaphthylene
 Concen: 17.478 ng/ul
 RT: 14.63 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: BM028094.D
 Acq: 09 Dec 2020 12:01

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.6	23.4
153	13.4	10.3	15.5





#52

Acenaphthene

Concen: 11.754 ng/ul

RT: 14.96 min Scan# 2002

Delta R.T. -0.00 min

Lab File: BM028094.D

Acq: 09 Dec 2020 12:01

Instrument :

BNA_M

ClientSampleId :

X2S37

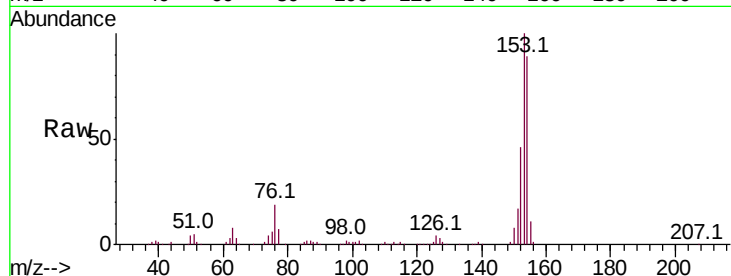
Tot Ion:153 Resp: 263911

Ion Ratio Lower Upper

153 100

152 46.4 36.0 54.0

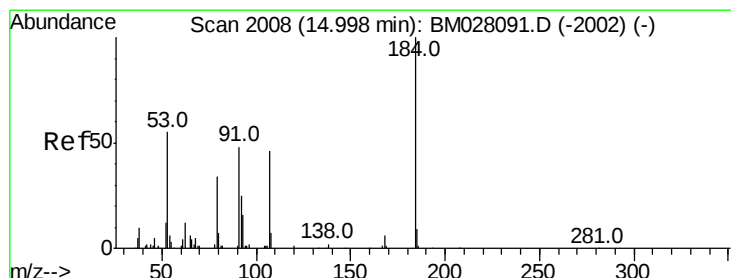
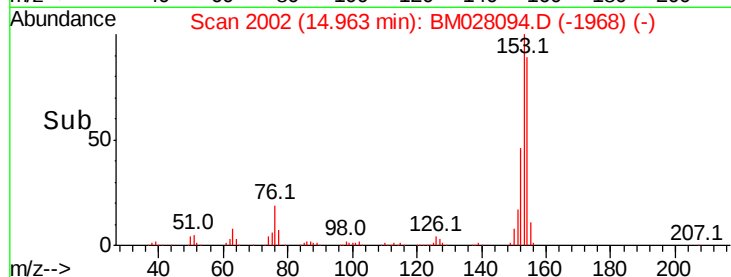
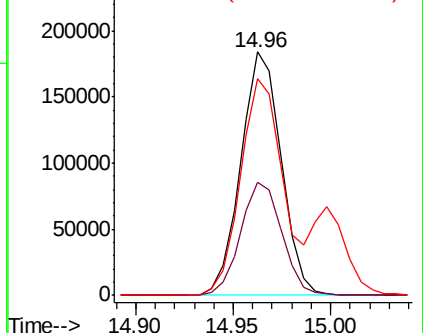
154 89.3 71.4 107.0



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



#53

2,4-Dinitrophenol

Concen: 53.759 ng/ul

RT: 15.00 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BM028094.D

Acq: 09 Dec 2020 12:01

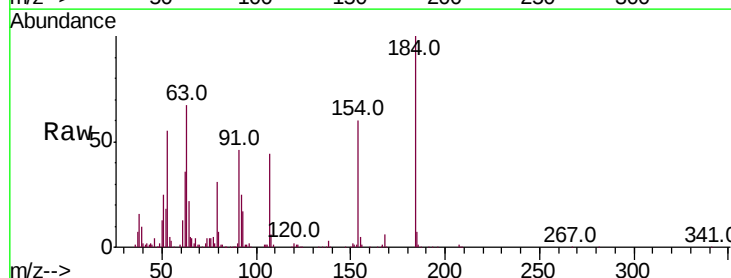
Tgt Ion:184 Resp: 151299

Ion Ratio Lower Upper

184 100

63 66.9 59.9 89.9

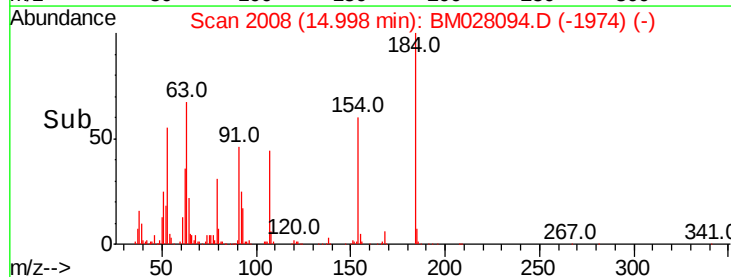
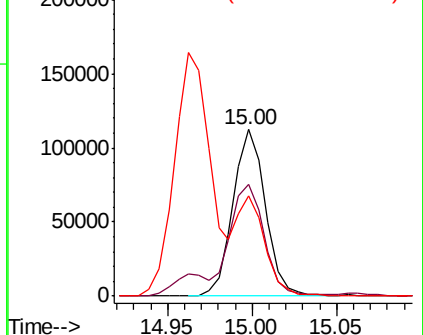
154 59.7 50.8 76.2

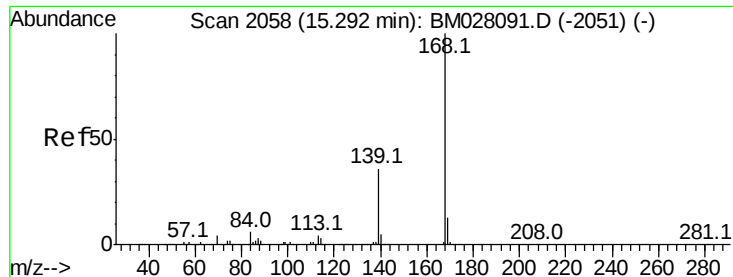


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 154.00 (153.70 to 154.70): E





#56

Dibenzenofuran

Concen: 12.057 ng/ul

RT: 15.29 min Scan# 2058

Delta R.T. -0.00 min

Lab File: BM028094.D

Acq: 09 Dec 2020 12:01

Instrument :

BNA_M

ClientSampleId :

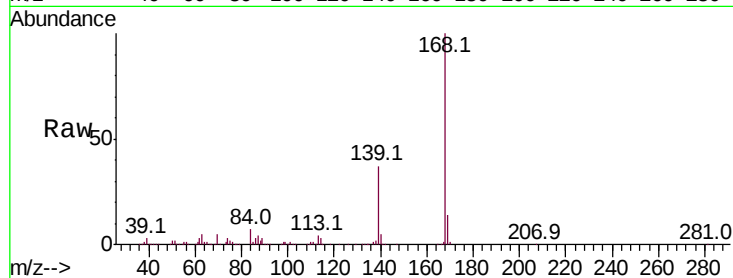
X2S37

Tot Ion:168 Resp: 368767

Ion Ratio Lower Upper

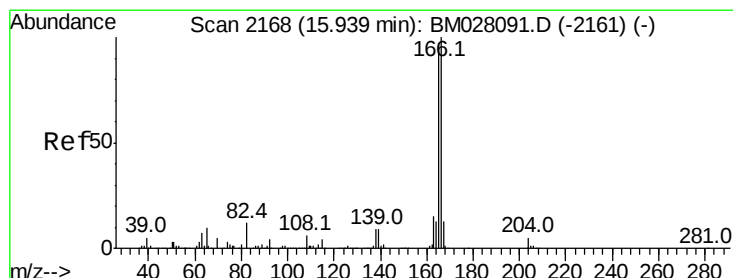
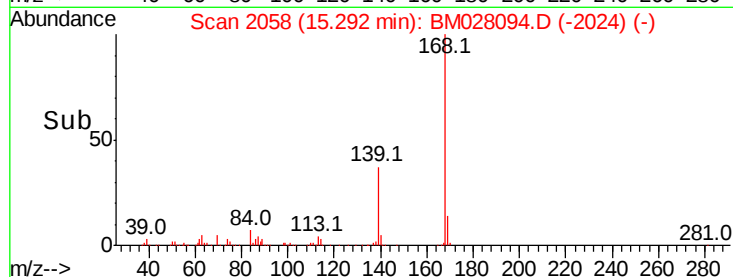
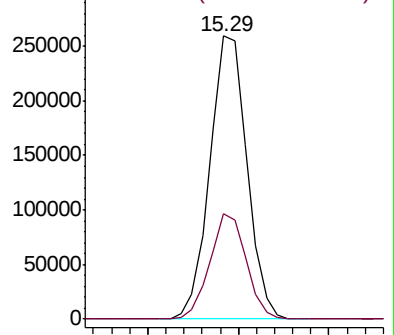
168 100

139 37.1 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: 12.837 ng/ul

RT: 15.93 min Scan# 2167

Delta R.T. -0.01 min

Lab File: BM028094.D

Acq: 09 Dec 2020 12:01

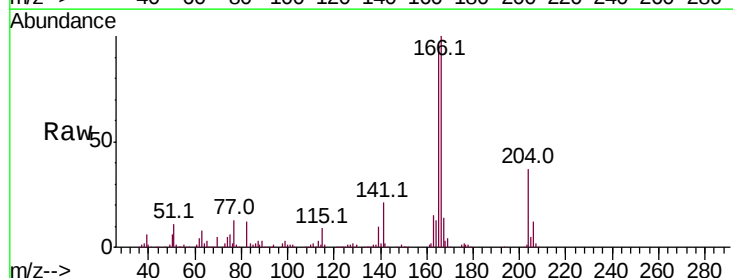
Tgt Ion:166 Resp: 326807

Ion Ratio Lower Upper

166 100

165 95.6 77.0 115.4

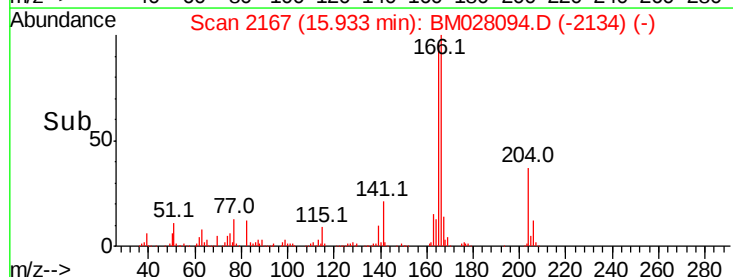
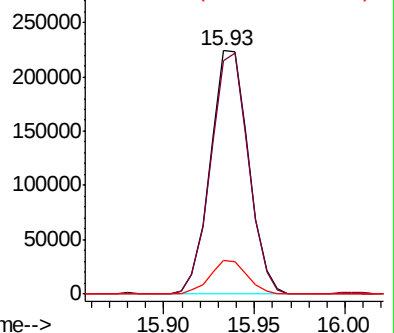
167 13.7 10.8 16.2

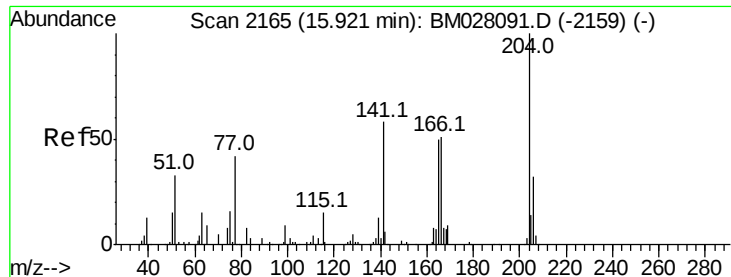


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

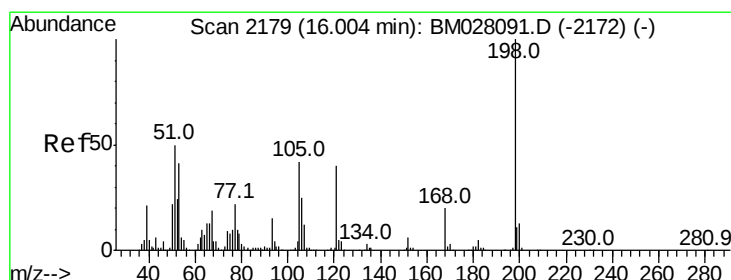
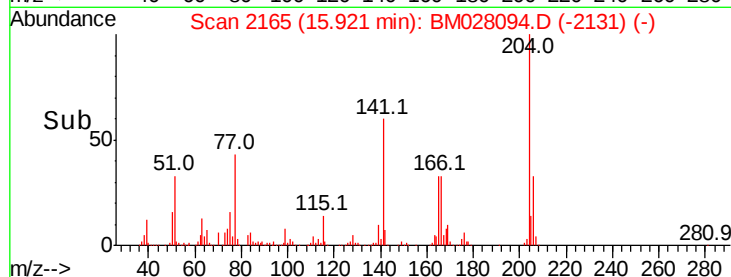
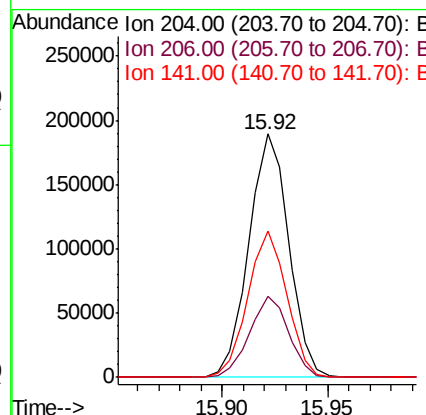
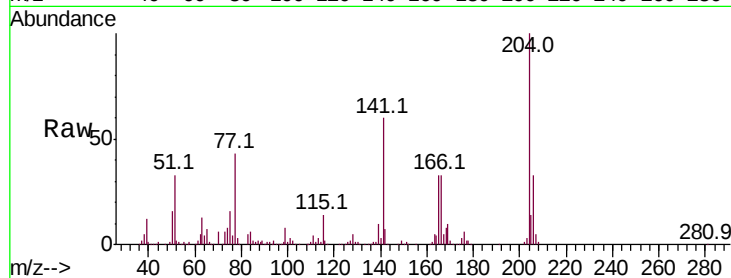




#62
4-Chlorophenyl-phenylether
Concen: 19.835 ng/ul
RT: 15.92 min Scan# 2165
Delta R.T. -0.00 min
Lab File: BM028094.D
Acq: 09 Dec 2020 12:01

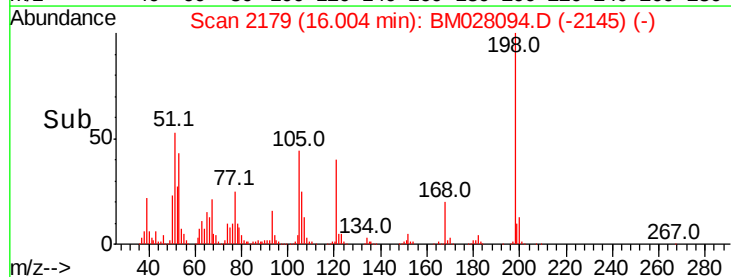
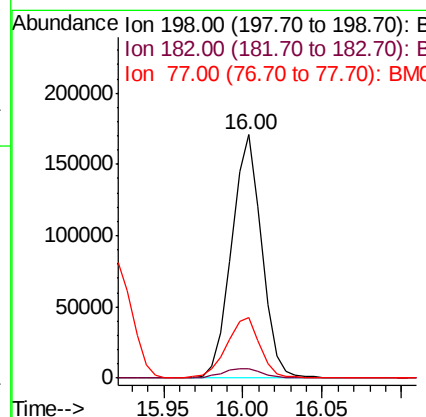
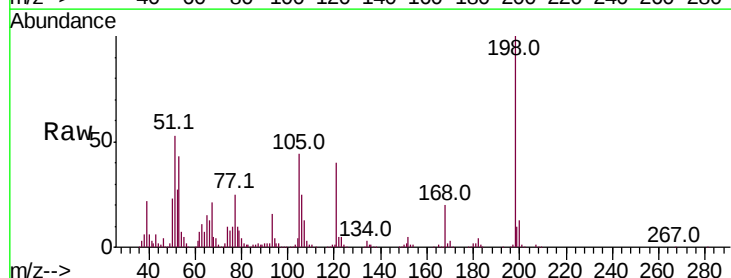
Instrument :
BNA_M
ClientSampleId :
X2S37

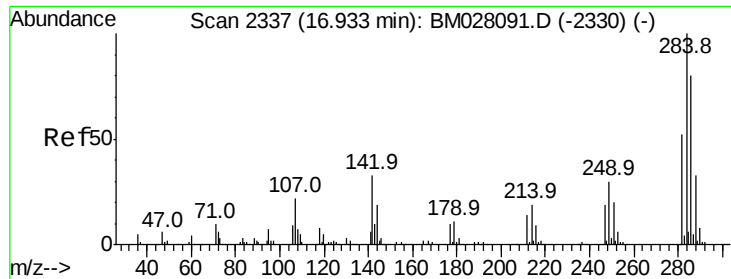
Tot Ion	Ratio	Lower	Upper
204	100		
206	33.1	25.6	38.4
141	60.2	47.0	70.4



#66
4,6-Dinitro-2-methylphenol
Concen: 53.418 ng/ul
RT: 16.00 min Scan# 2179
Delta R.T. -0.00 min
Lab File: BM028094.D
Acq: 09 Dec 2020 12:01

Tgt Ion	Ratio	Lower	Upper
198	100		
182	3.8	3.6	5.4
77	24.9	20.5	30.7





#69

Hexachlorobenzene

Concen: 38.186 ng/ul

RT: 16.93 min Scan# 2337

Delta R.T. -0.00 min

Lab File: BM028094.D

Acq: 09 Dec 2020 12:01

Instrument :

BNA_M

ClientSampleId :

X2S37

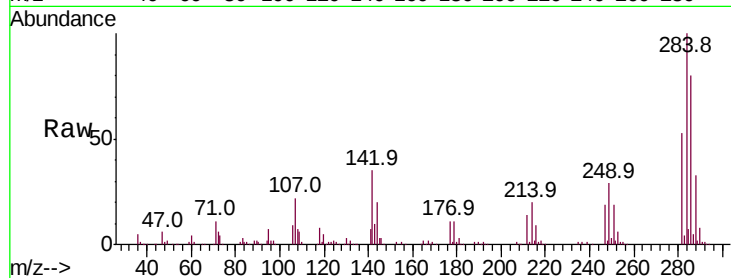
Tot Ion:284 Resp: 324418

Ion Ratio Lower Upper

284 100

142 34.8 29.0 43.4

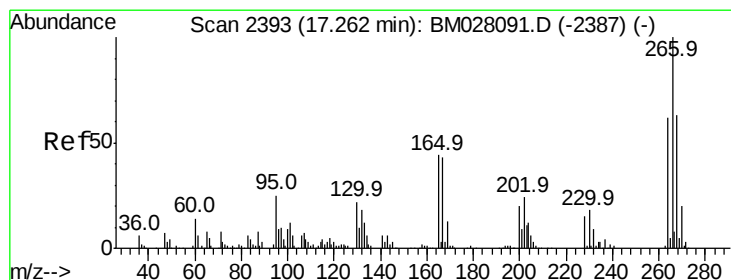
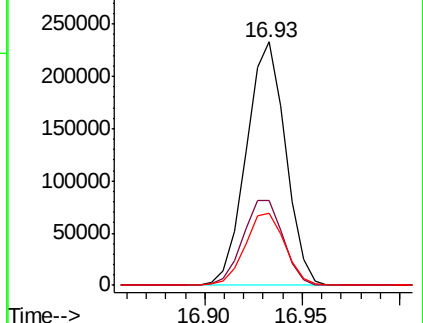
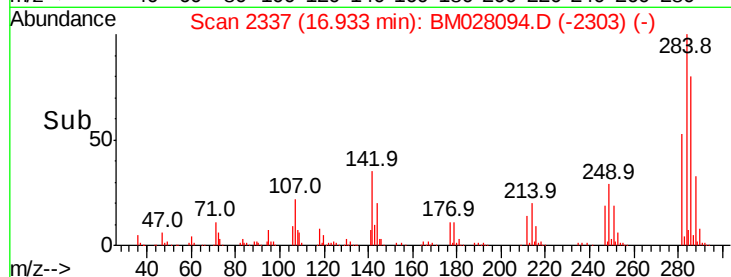
249 29.4 24.5 36.7



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: 64.308 ng/ul

RT: 17.27 min Scan# 2394

Delta R.T. 0.01 min

Lab File: BM028094.D

Acq: 09 Dec 2020 12:01

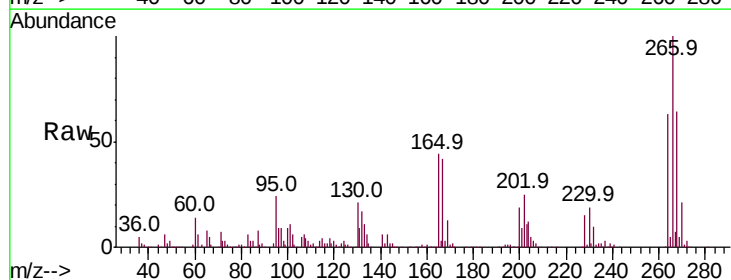
Tgt Ion:266 Resp: 315478

Ion Ratio Lower Upper

266 100

264 63.0 48.9 73.3

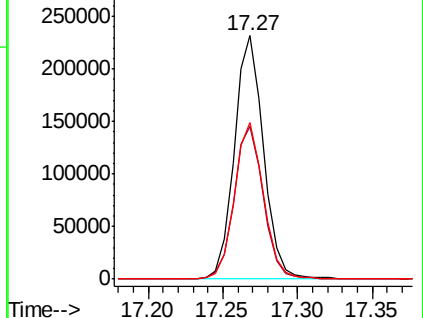
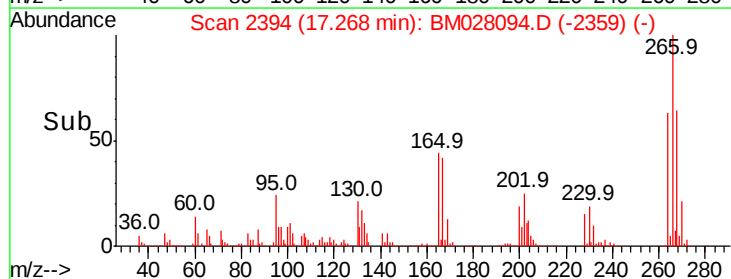
268 64.1 51.4 77.2

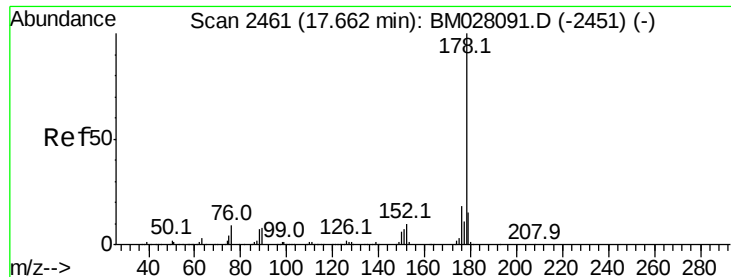


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#72

Phenanthrene

Concen: 12.198 ng/ul

RT: 17.66 min Scan# 2461

Delta R.T. -0.00 min

Lab File: BM028094.D

Acq: 09 Dec 2020 12:01

Instrument :

BNA_M

ClientSampleId :

X2S37

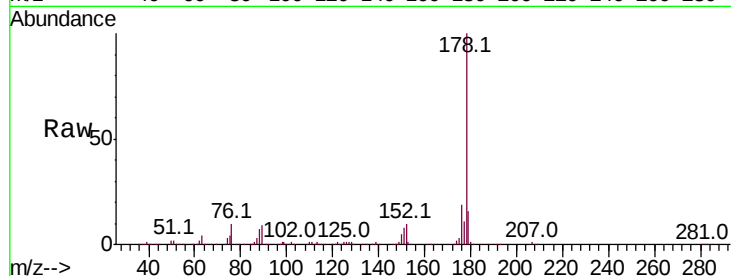
Tot Ion:178 Resp: 476649

Ion Ratio Lower Upper

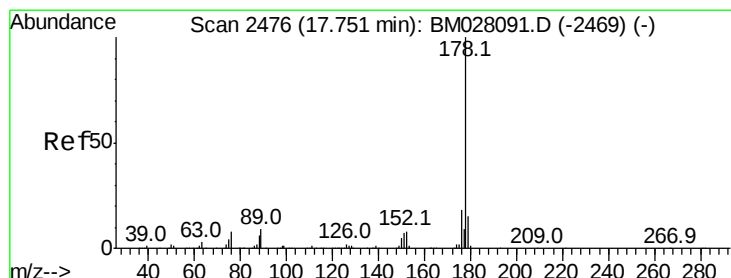
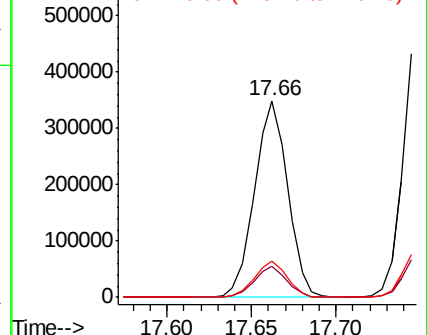
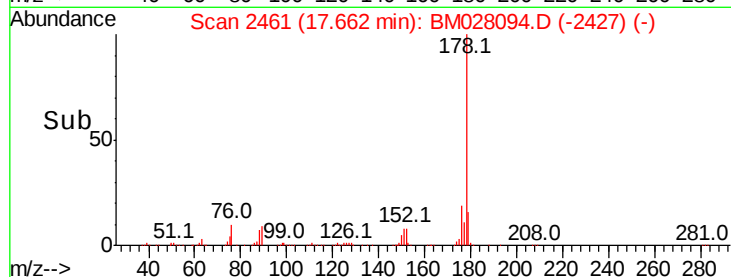
178 100

179 15.6 12.2 18.4

176 18.7 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: 20.926 ng/ul

RT: 17.75 min Scan# 2476

Delta R.T. -0.00 min

Lab File: BM028094.D

Acq: 09 Dec 2020 12:01

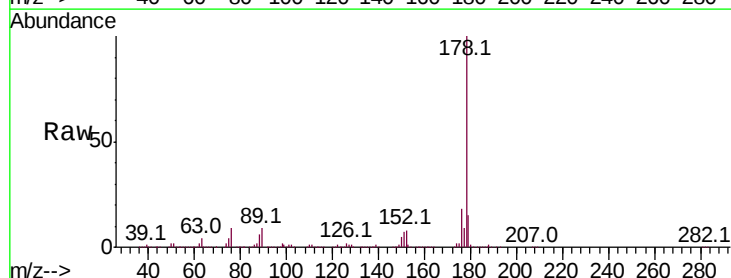
Tgt Ion:178 Resp: 833477

Ion Ratio Lower Upper

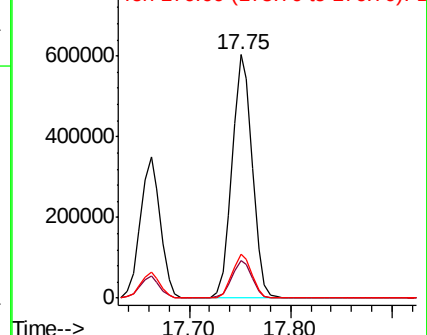
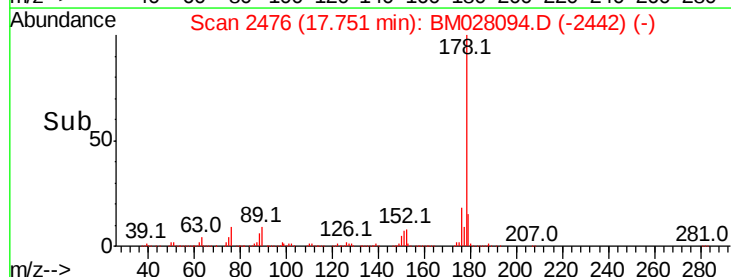
178 100

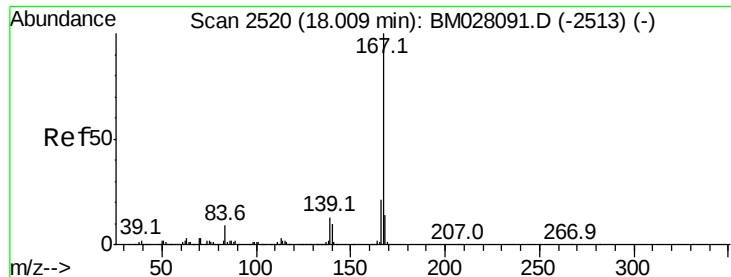
179 15.3 11.8 17.8

176 17.9 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





#77

Carbazole

Concen: 49.191 ng/ul

RT: 18.02 min Scan# 2521

Delta R.T. 0.01 min

Lab File: BM028094.D

Acq: 09 Dec 2020 12:01

Instrument :

BNA_M

ClientSampleId :

X2S37

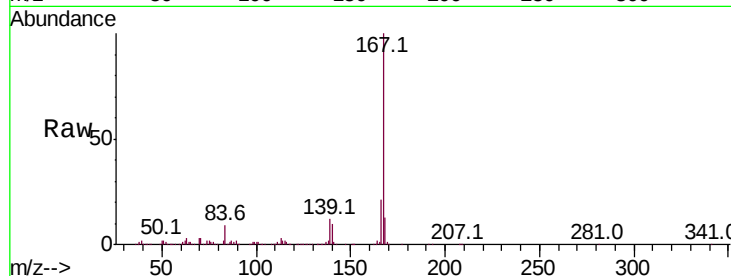
Tot Ion:167 Resp: 1663698

Ion Ratio Lower Upper

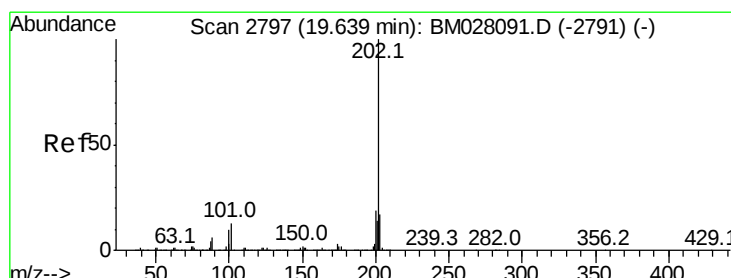
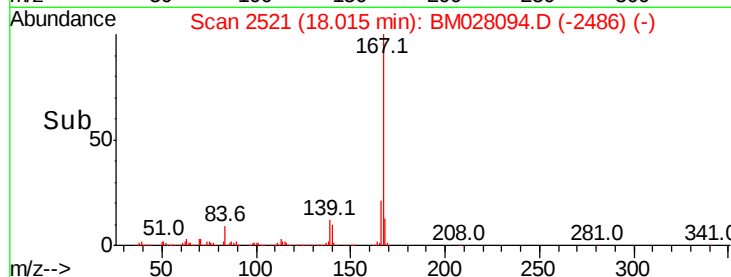
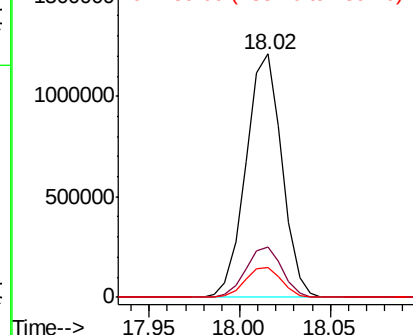
167 100

166 20.8 17.0 25.4

139 12.4 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: 23.772 ng/ul

RT: 19.64 min Scan# 2798

Delta R.T. 0.01 min

Lab File: BM028094.D

Acq: 09 Dec 2020 12:01

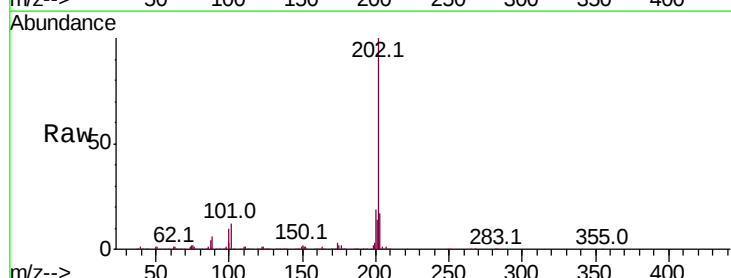
Tgt Ion:202 Resp: 1004518

Ion Ratio Lower Upper

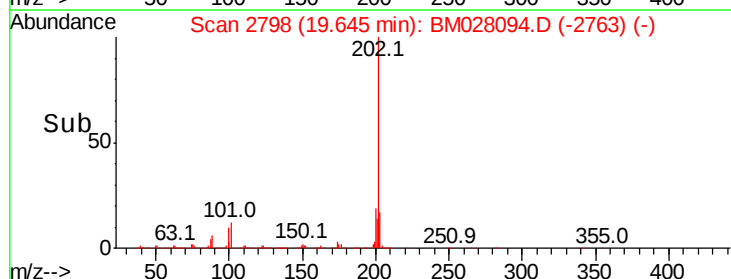
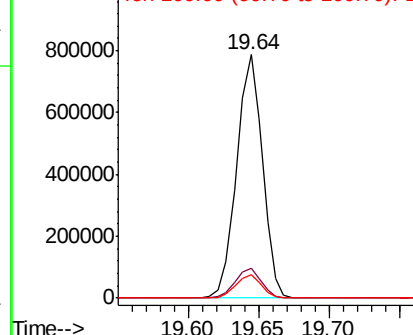
202 100

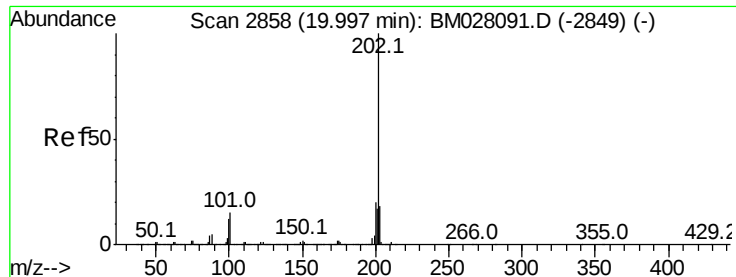
101 12.2 9.8 14.8

100 9.7 7.7 11.5



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





#82

Pvrene

Concen: 22.766 ng/ul

RT: 20.00 min Scan# 2859

Delta R.T. 0.01 min

Lab File: BM028094.D

Acq: 09 Dec 2020 12:01

Instrument :

BNA_M

ClientSampled :

X2S37

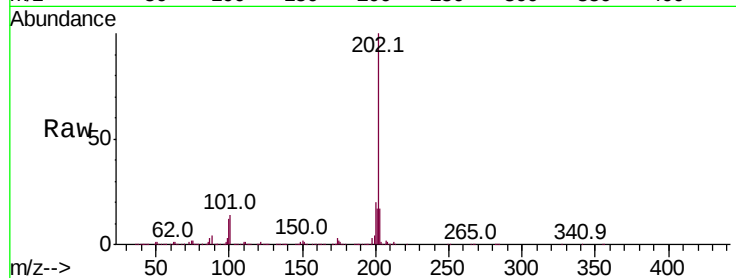
Tot Ion:202 Resp: 996503

Ion Ratio Lower Upper

202 100

101 14.4 11.8 17.6

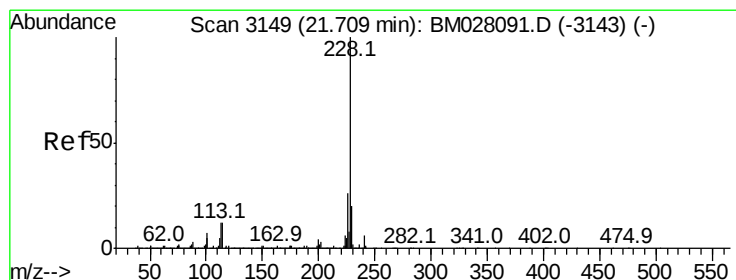
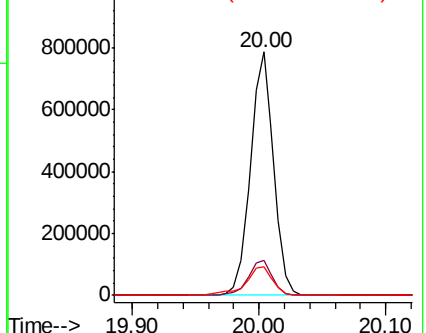
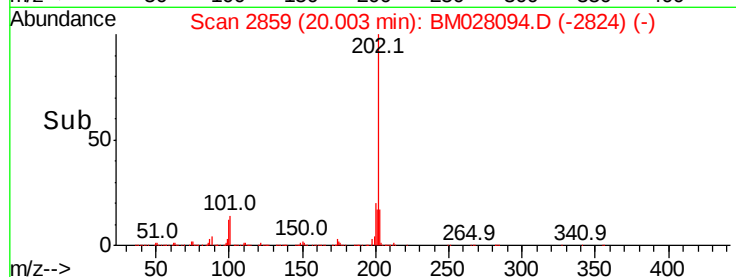
100 12.0 9.8 14.8



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



#85

Benzo(a)anthracene

Concen: 32.607 ng/ul

RT: 21.72 min Scan# 3150

Delta R.T. 0.01 min

Lab File: BM028094.D

Acq: 09 Dec 2020 12:01

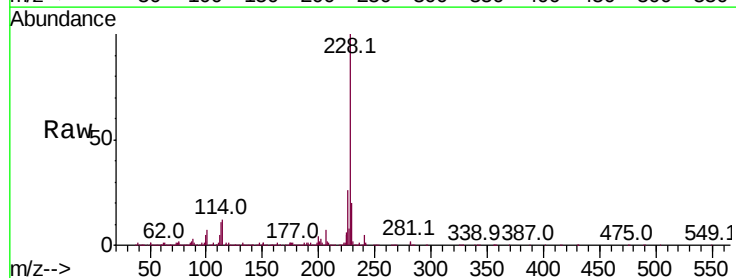
Tgt Ion:228 Resp: 1327620

Ion Ratio Lower Upper

228 100

229 19.8 15.0 22.4

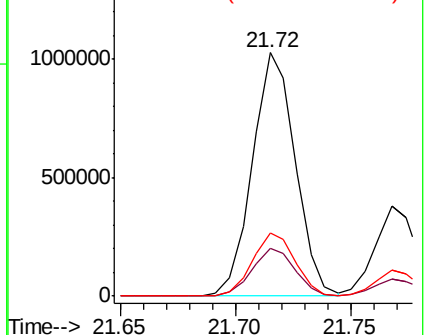
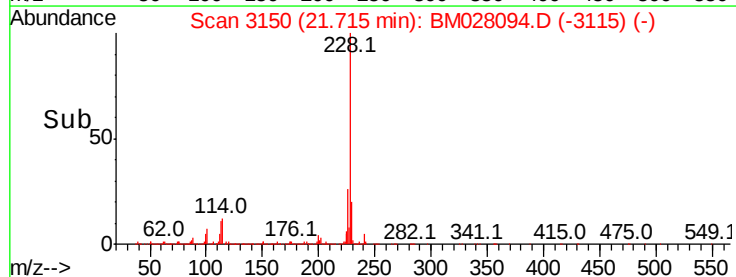
226 26.1 20.9 31.3

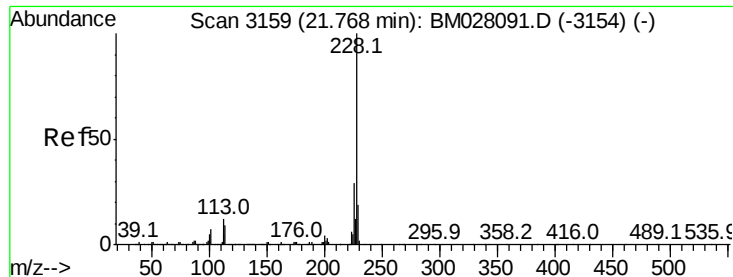


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#87

Chrysene

Concen: 11.848 ng/ul

RT: 21.77 min Scan# 3159

Delta R.T. -0.00 min

Lab File: BM028094.D

Acq: 09 Dec 2020 12:01

Instrument :

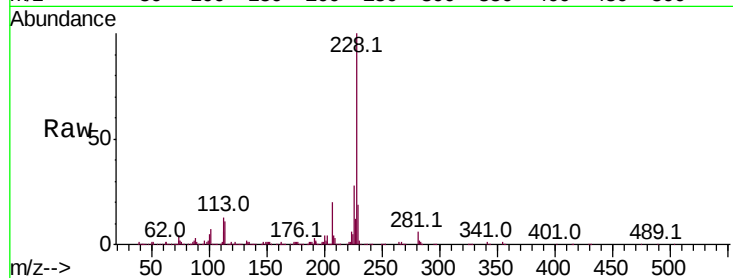
BNA_M

ClientSampleId :

X2S37

Tot Ion:228 Resp: 472983

Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.0	34.4
229	19.3	15.5	23.3

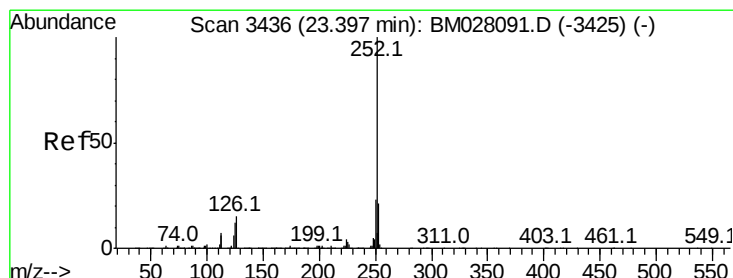
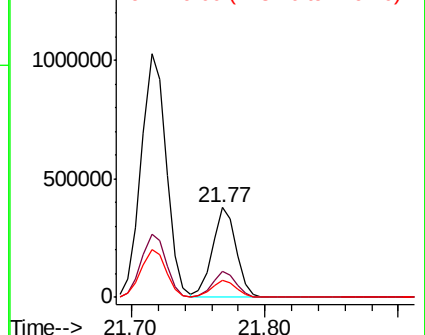
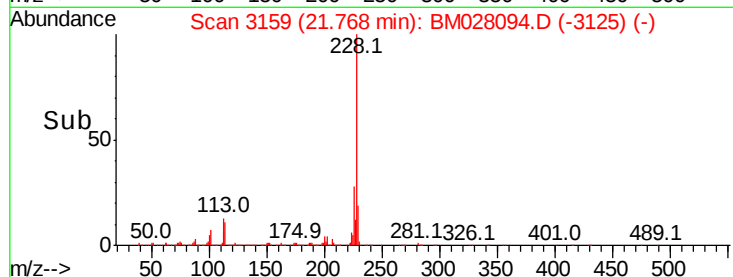


Abundance

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: 24.581 ng/ul

RT: 23.40 min Scan# 3437

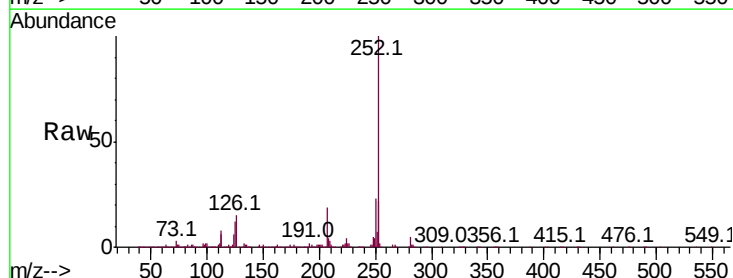
Delta R.T. 0.01 min

Lab File: BM028094.D

Acq: 09 Dec 2020 12:01

Tgt Ion:252 Resp: 977077

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	11.6	10.2	15.4

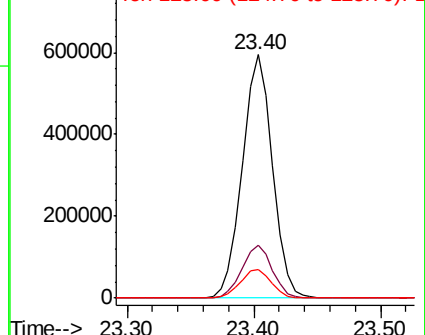
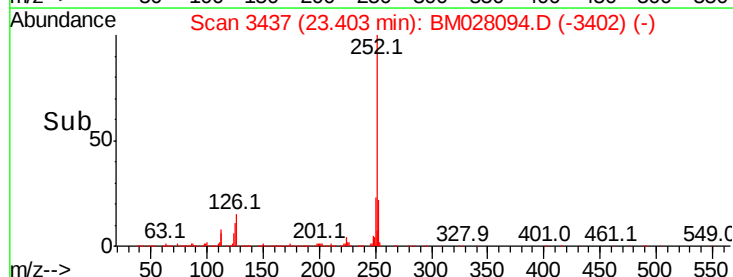


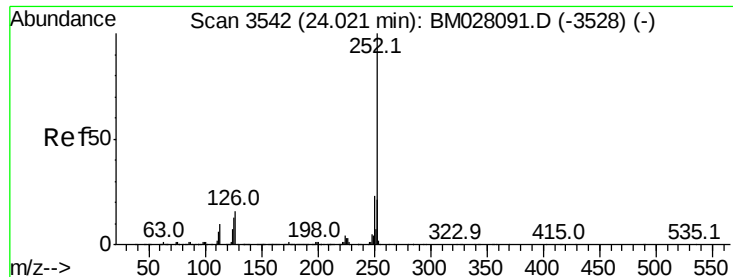
Abundance

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





#93

Benzo(a)pyrene

Concen: 15.994 ng/ul

RT: 24.03 min Scan# 3544

Delta R.T. 0.01 min

Lab File: BM028094.D

Acq: 09 Dec 2020 12:01

Instrument :

BNA_M

ClientSampleId :

X2S37

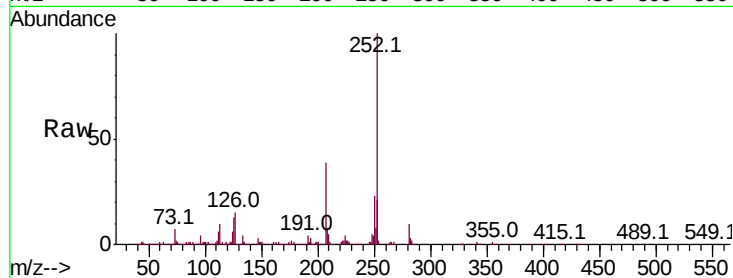
Tot Ion:252 Resp: 568846

Ion Ratio Lower Upper

252 100

253 21.3 17.4 26.2

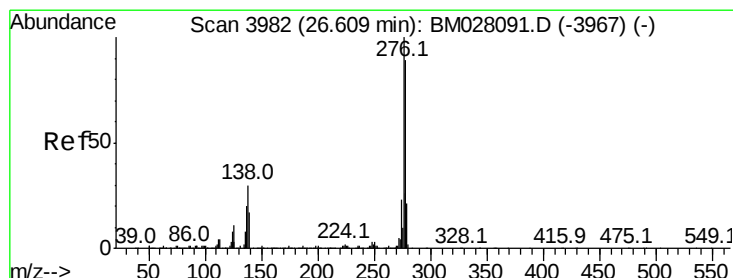
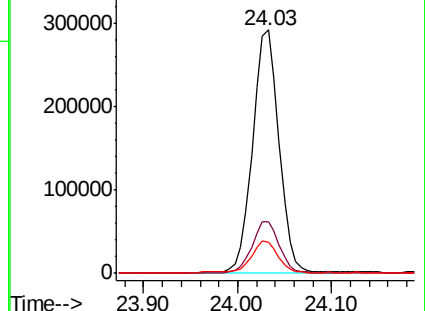
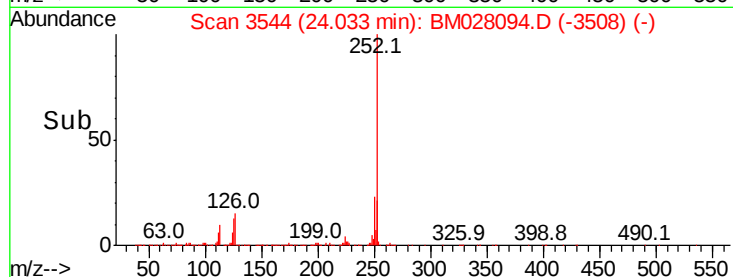
125 12.9 10.3 15.5



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: 32.659 ng/ul

RT: 26.61 min Scan# 3983

Delta R.T. 0.01 min

Lab File: BM028094.D

Acq: 09 Dec 2020 12:01

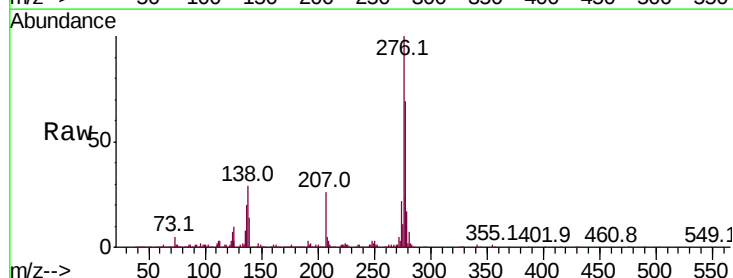
Tgt Ion:276 Resp: 1383875

Ion Ratio Lower Upper

276 100

138 29.0 24.0 36.0

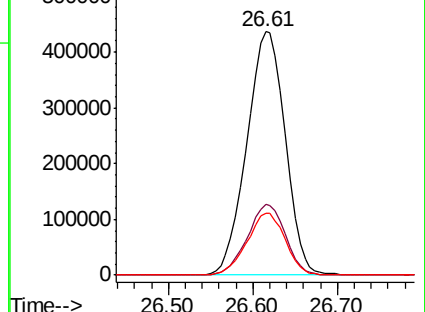
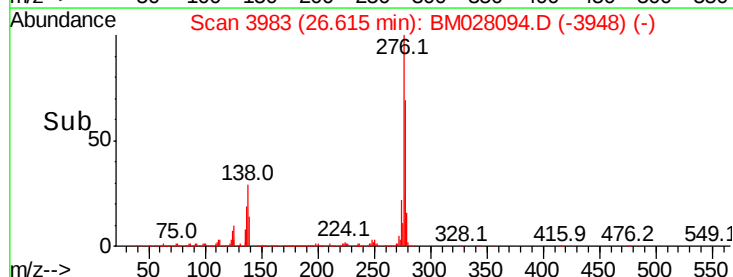
277 25.3 20.0 30.0

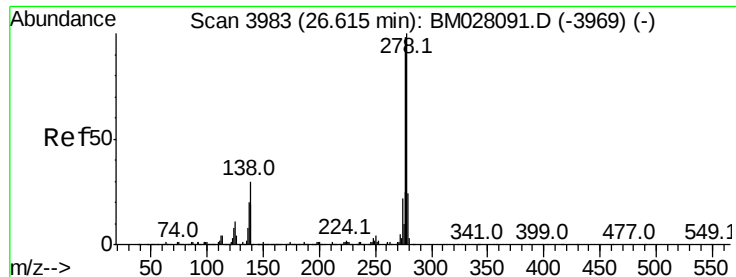


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#95

Dibenzo(a,h)anthracene

Concen: 27.334 ng/ul

RT: 26.63 min Scan# 3985

Delta R.T. 0.01 min

Lab File: BM028094.D

Acq: 09 Dec 2020 12:01

Instrument :

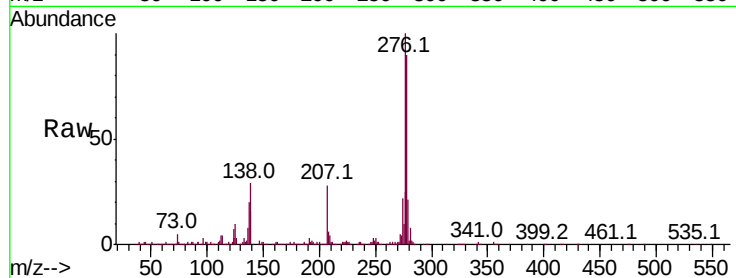
BNA_M

ClientSampleId :

X2S37

Tot Ion:278 Resp: 984927

Ion	Ratio	Lower	Upper
278	100		
139	18.1	15.0	22.6
279	23.2	18.6	27.8

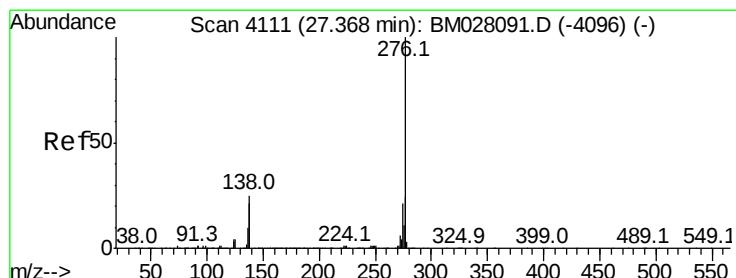
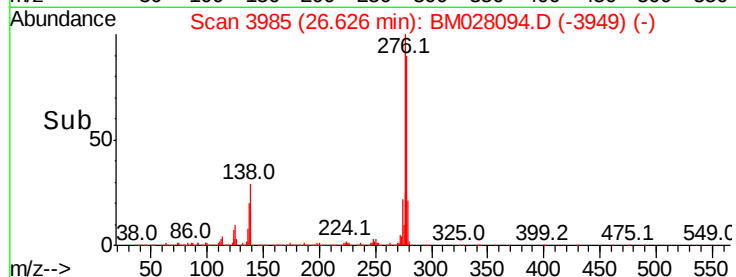
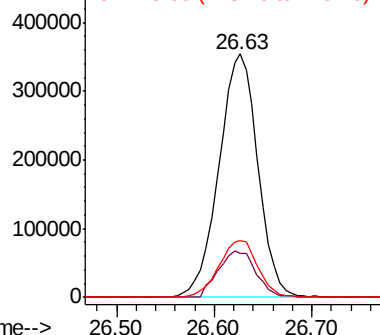


Abundance

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: 14.239 ng/ul

RT: 27.37 min Scan# 4112

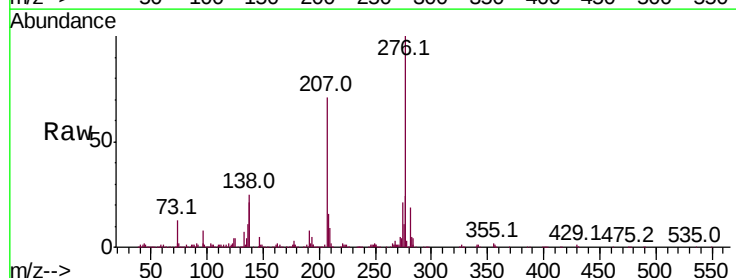
Delta R.T. 0.01 min

Lab File: BM028094.D

Acq: 09 Dec 2020 12:01

Tgt Ion:276 Resp: 506011

Ion	Ratio	Lower	Upper
276	100		
138	24.9	20.6	31.0
277	24.2	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

