

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120520\
 Data File : BM028047.D
 Acq On : 05 Dec 2020 14:18
 Operator : JU/CG
 Sample : L4824-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X2R15

Quant Time: Dec 05 15:10:49 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM120320.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 05 11:13:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.29	152	182305	20.00	ng/ul	0.00
20) Naphthalene-d8	11.12	136	717805	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.91	164	392516	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.63	188	799726	20.00	ng/ul	0.00
79) Chrysene-d12	21.73	240	788898	20.00	ng/ul	0.00
88) Perylene-d12	24.14	264	802554	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	17745	3.63	ng/uL	0.00
4) Pyridine-d5	3.95	84	56457	4.29	ng/ul	0.01
7) Phenol-d5	7.42	99	331530	21.85	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	7.59	67	204310	21.66	ng/ul	0.00
11) 2-Chlorophenol-d4	7.80	132	276772	21.89	ng/ul	0.00
15) 4-Methylphenol-d8	8.99	113	257657	21.53	ng/ul	0.00
21) Nitrobenzene-d5	9.46	128	125608	22.54	ng/ul	0.00
24) 2-Nitrophenol-d4	10.19	143	126295	22.68	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.73	165	270023	23.91	ng/ul	0.00
31) 4-Chloroaniline-d4	11.25	131	345215	22.34	ng/ul	0.00
46) Dimethylphthalate-d6	14.30	166	732491	25.22	ng/ul	0.00
49) Acenaphthylene-d8	14.60	160	836343	22.44	ng/ul	0.00
54) 4-Nitrophenol-d4	15.07	143	119077	21.26	ng/ul	0.00
60) Fluorene-d10	15.89	176	617922	23.74	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	16.00	200	95206	20.51	ng/ul	0.00
73) Anthracene-d10	17.72	188	949031	24.21	ng/ul	0.00
81) Pyrene-d10	19.98	212	1029391	24.86	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.99	264	1080503	25.29	ng/ul	0.00

Target Compounds

					Ovalue
6) Benzaldehyde	7.40	77	510192	81.323	ng/ul 98
12) 2-Chlorophenol	7.84	128	558632	42.927	ng/ul 99
16) Acetophenone	9.12	105	687552	38.387	ng/ul 99
18) 4-Methylphenol	9.05	108	150976	12.149	ng/ul 94
19) Hexachloroethane	9.39	117	192034	35.159	ng/ul 99
29) 2,4-Dichlorophenol	10.76	162	542386	49.086	ng/ul 97
30) Naphthalene	11.17	128	1735756	42.822	ng/ul 100
34) Caprolactam	12.03	113	95906	30.123	ng/ul 97
36) 2-Methylnaphthalene	12.76	142	1217313	45.675	ng/ul 100
44) 2-Chloronaphthalene	13.80	162	1252982	47.287	ng/ul 99
52) Acenaphthene	14.97	153	712287	25.692	ng/ul 99
61) Fluorene	15.95	166	859398	28.033	ng/ul 99
66) 4,6-Dinitro-2-methylphenol	16.01	198	315408	61.711	ng/ul 99
70) Atrazine	17.07	200	388415	43.637	ng/ul 98
72) Phenanthrene	17.67	178	1568310	32.253	ng/ul 99
77) Carbazole	18.02	167	2211218	52.470	ng/ul 99
82) Pyrene	20.01	202	2292174	40.472	ng/ul 99
83) Butylbenzylphthalate	20.86	149	966970	47.569	ng/ul 98
86) Bis(2-ethylhexyl)phthalate	21.62	149	1389240	45.172	ng/ul 99
94) Indeno(1,2,3-cd)pyrene	26.63	276	2490878	42.121	ng/ul 98
95) Dibenzo(a,h)anthracene	26.64	278	1670809	33.426	ng/ul 99
96) Benzo(g,h,i)perylene	27.39	276	1583434	31.734	ng/ul 100

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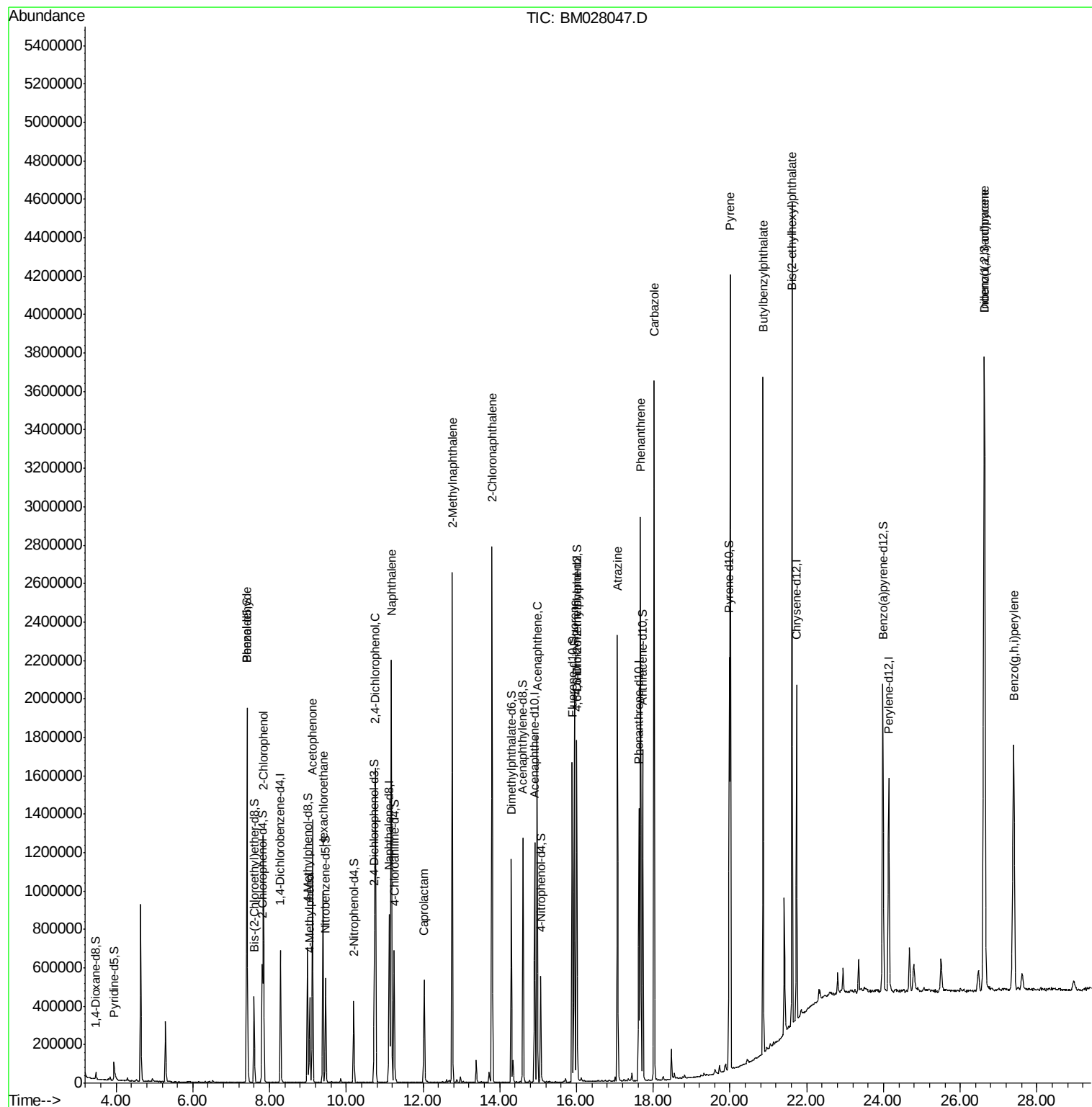
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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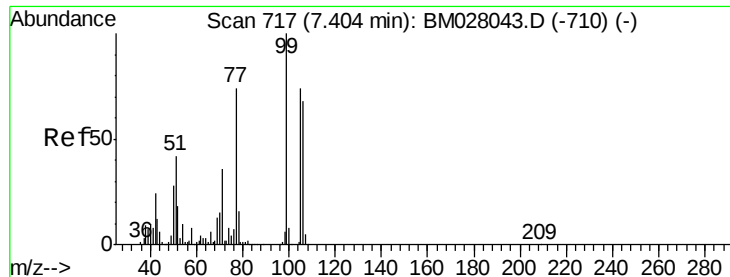
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Benzaldehyde

Concen: 81.323 ng/ul

RT: 7.40 min Scan# 717

Delta R.T. 0.00 min

Lab File: BM028047.D

Acq: 05 Dec 2020 14:18

Instrument :

BNA_M

ClientSampleId :

X2R15

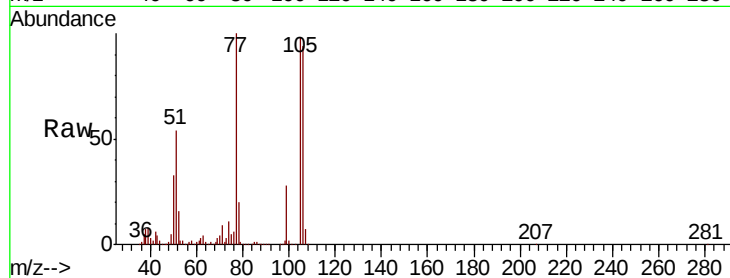
Tot Ion: 77 Resp: 510192

Ion Ratio Lower Upper

77 100

105 98.1 79.4 119.0

106 94.1 76.7 115.1



Abundance Ion 77.00 (76.70 to 77.70): BM028047.D (-710) (-)

Ion 105.00 (104.70 to 105.70): BM028047.D (-710) (-)

Ion 106.00 (105.70 to 106.70): BM028047.D (-710) (-)

7.40

400000

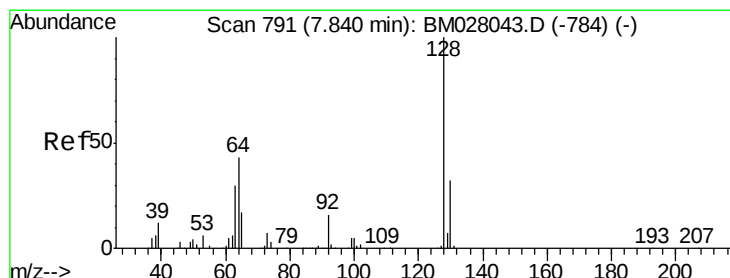
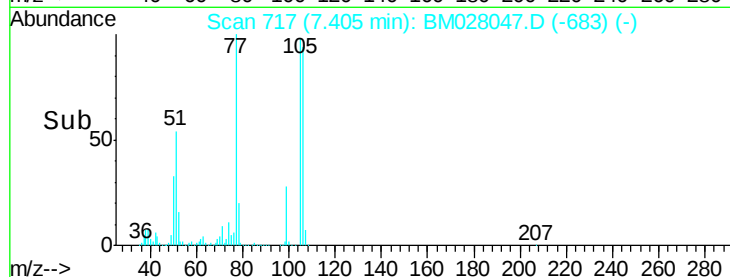
300000

200000

100000

0

Time--> 7.30 7.35 7.40 7.45 7.50



#12

2-Chlorophenol

Concen: 42.927 ng/ul

RT: 7.84 min Scan# 791

Delta R.T. 0.00 min

Lab File: BM028047.D

Acq: 05 Dec 2020 14:18

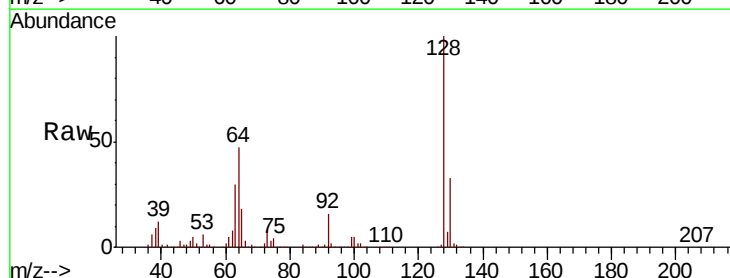
Tgt Ion: 128 Resp: 558632

Ion Ratio Lower Upper

128 100

64 46.8 37.4 56.2

130 32.8 25.4 38.0



Abundance Ion 128.00 (127.70 to 128.70): BM028047.D (-784) (-)

Ion 64.00 (63.70 to 64.70): BM028047.D (-784) (-)

Ion 130.00 (129.70 to 130.70): BM028047.D (-784) (-)

7.84

400000

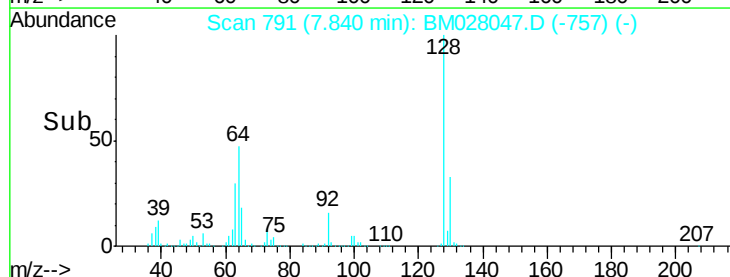
300000

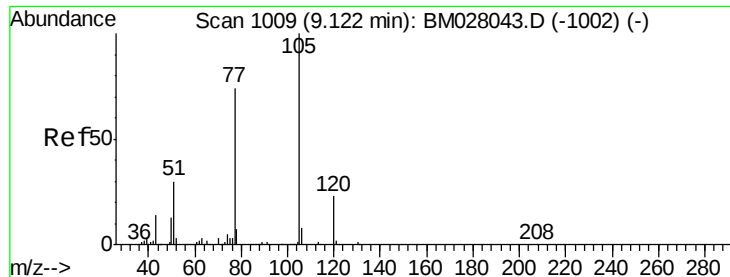
200000

100000

0

Time--> 7.75 7.80 7.85 7.90





#16

Acetophenone

Concen: 38.387 ng/ul

RT: 9.12 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BM028047.D

Acq: 05 Dec 2020 14:18

Instrument :

BNA_M

ClientSampleId :

X2R15

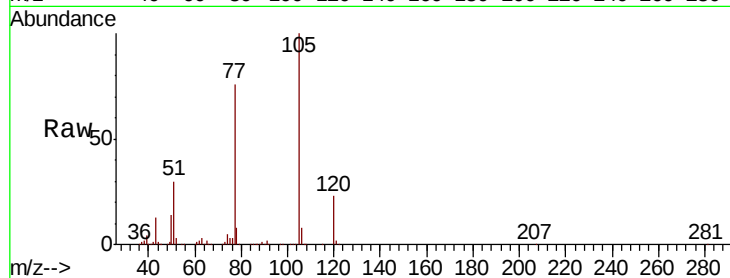
Tot Ion:105 Resp: 687552

Ion Ratio Lower Upper

105 100

77 76.2 60.0 90.0

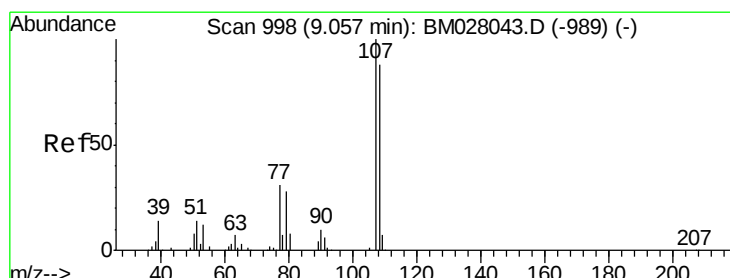
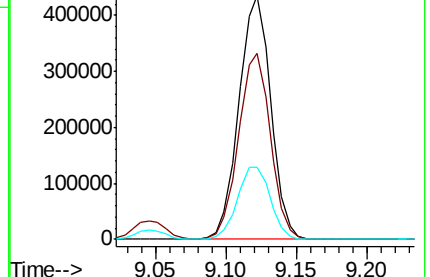
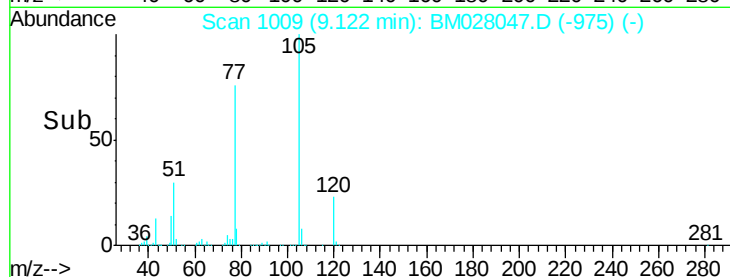
51 29.6 24.1 36.1



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 51.00 (50.70 to 51.70): BM



#18

4-Methylphenol

Concen: 12.149 ng/ul

RT: 9.05 min Scan# 996

Delta R.T. -0.01 min

Lab File: BM028047.D

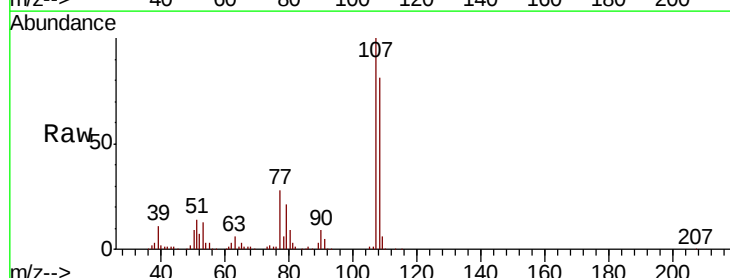
Acq: 05 Dec 2020 14:18

Tgt Ion:108 Resp: 150976

Ion Ratio Lower Upper

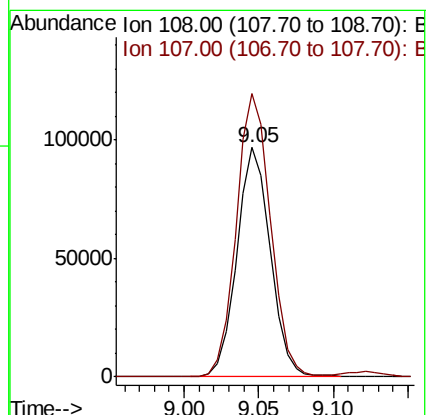
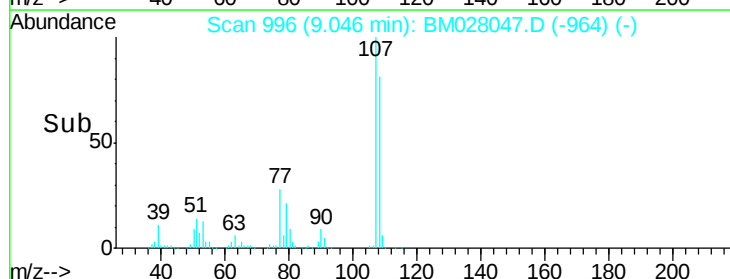
108 100

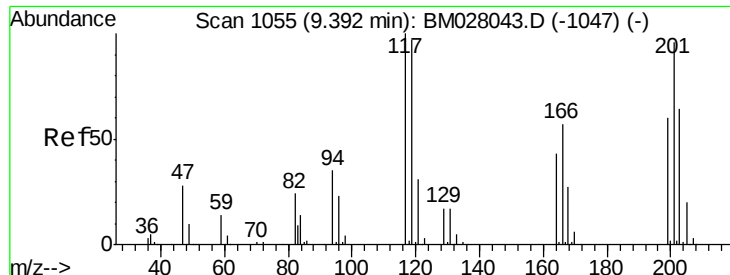
107 123.5 93.4 140.2



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

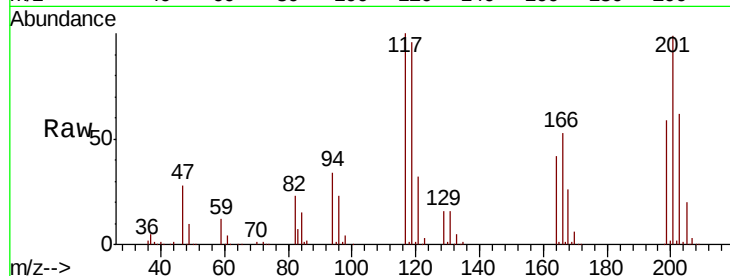




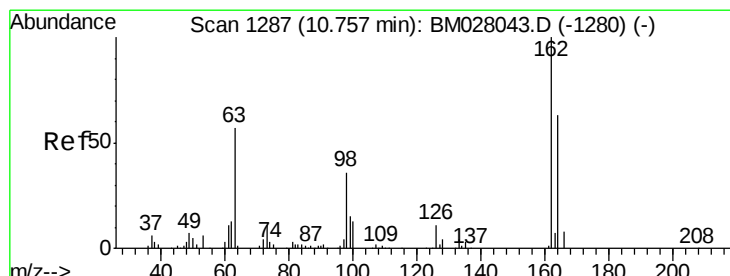
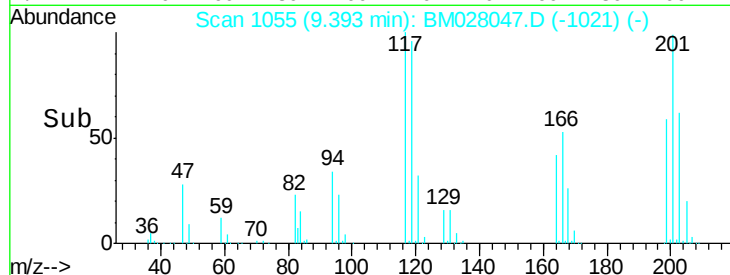
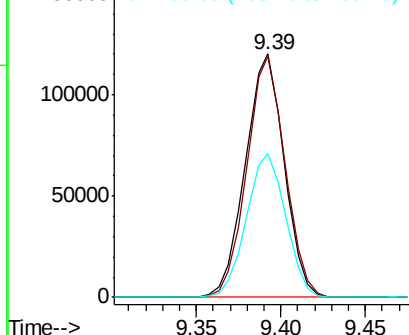
#19
Hexachloroethane
Concen: 35.159 ng/ul
RT: 9.39 min Scan# 1055
Delta R.T. 0.00 min
Lab File: BM028047.D
Acq: 05 Dec 2020 14:18

Instrument :
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ClientSampleId :
X2R15

Tot Ion:117 Resp: 192034
Ion Ratio Lower Upper
117 100
201 99.2 80.0 120.0
199 59.1 48.6 73.0

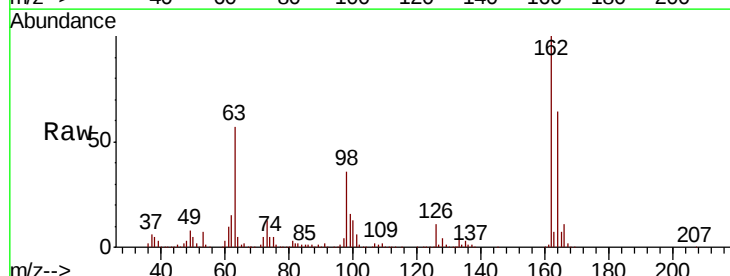


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

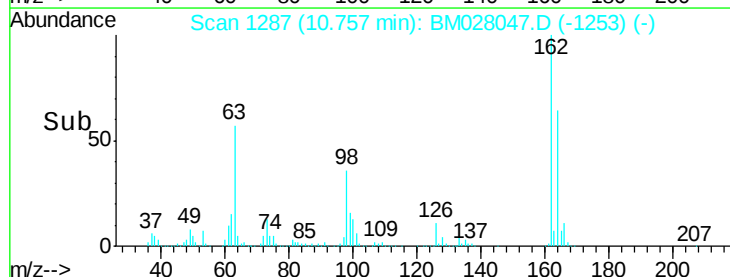
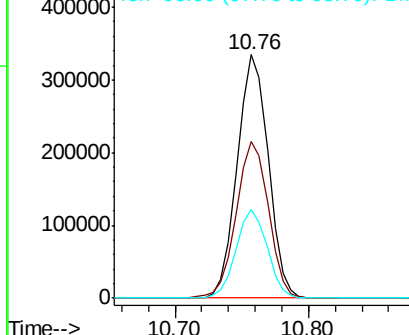


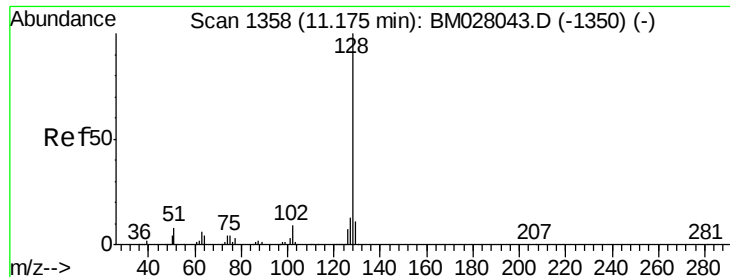
#29
2,4-Dichlorophenol
Concen: 49.086 ng/ul
RT: 10.76 min Scan# 1287
Delta R.T. 0.00 min
Lab File: BM028047.D
Acq: 05 Dec 2020 14:18

Tgt Ion:162 Resp: 542386
Ion Ratio Lower Upper
162 100
164 64.1 53.7 80.5
98 36.5 29.5 44.3



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): BM0





#30

Naphthalene

Concen: 42.822 ng/ul

RT: 11.17 min Scan# 1358

Delta R.T. 0.00 min

Lab File: BM028047.D

Acq: 05 Dec 2020 14:18

Instrument :

BNA_M

ClientSampleId :

X2R15

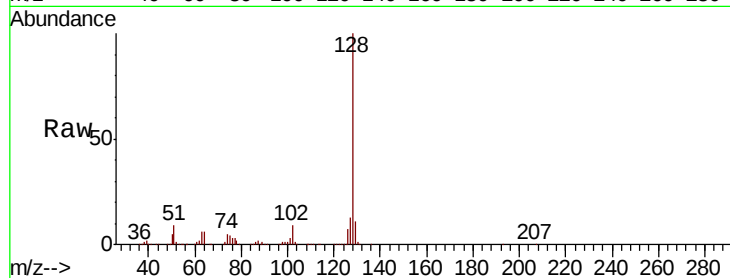
Tot Ion:128 Resp: 1735756

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

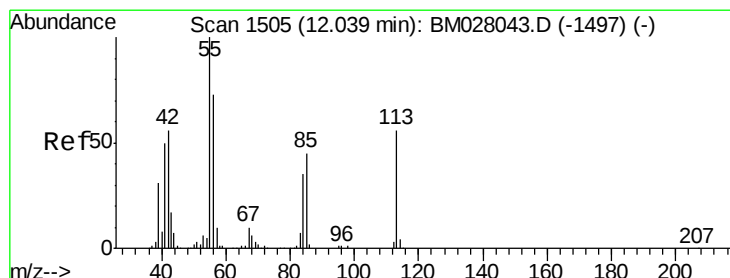
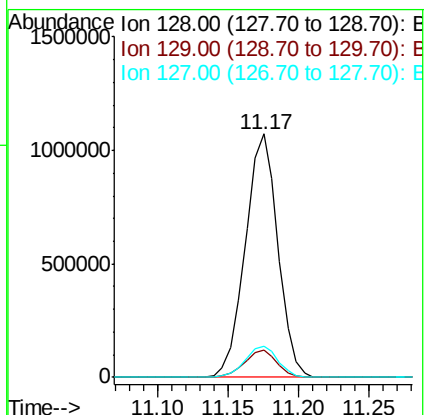
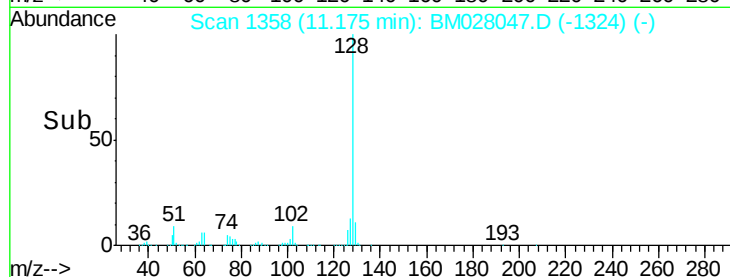
127 12.8 10.4 15.6



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



#34

Caprolactam

Concen: 30.123 ng/ul

RT: 12.03 min Scan# 1504

Delta R.T. -0.01 min

Lab File: BM028047.D

Acq: 05 Dec 2020 14:18

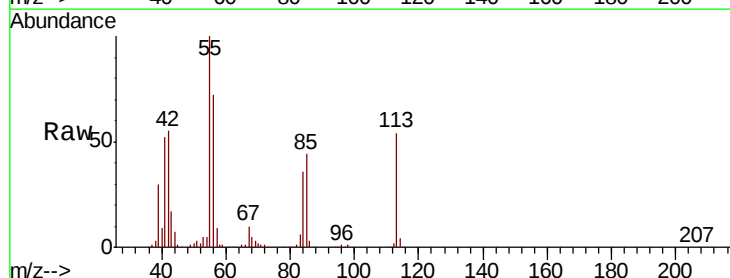
Tgt Ion:113 Resp: 95906

Ion Ratio Lower Upper

113 100

55 184.2 145.0 217.6

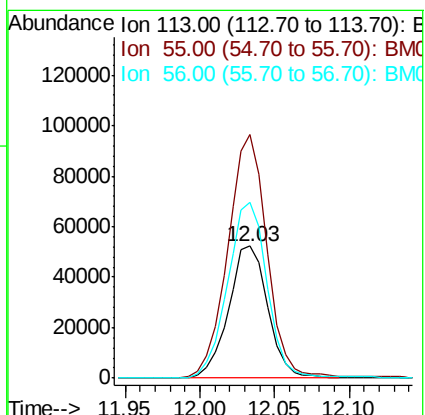
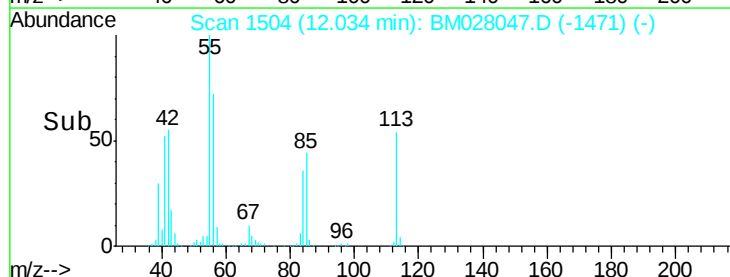
56 133.0 109.8 164.6

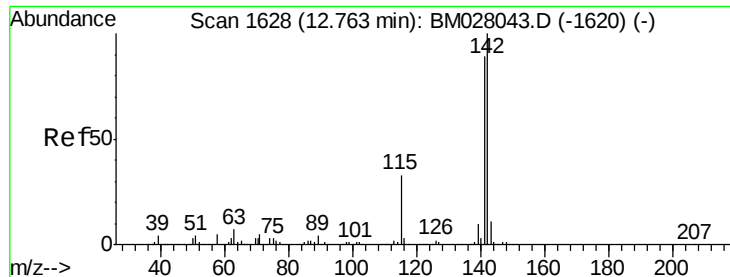


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0

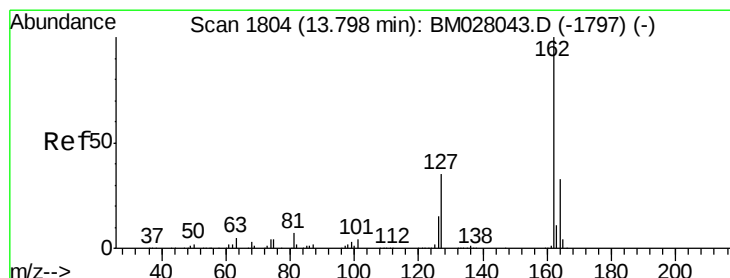
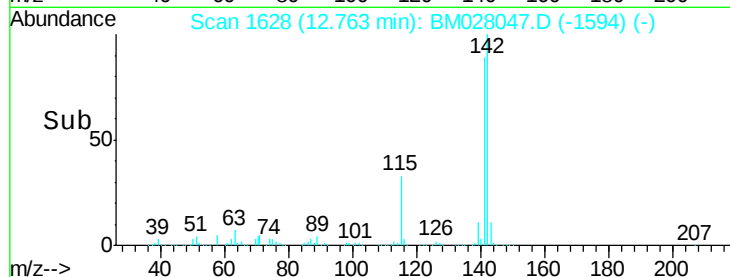
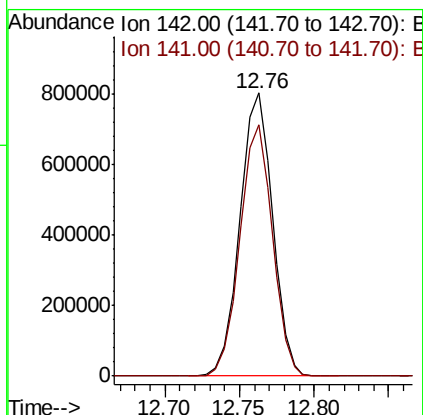
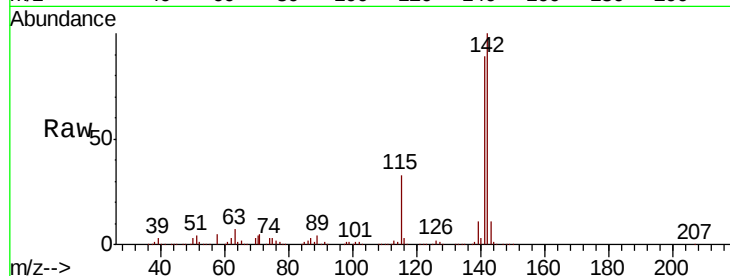




#36
 2-Methylnaphthalene
 Concen: 45.675 ng/ul
 RT: 12.76 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: BM028047.D
 Acq: 05 Dec 2020 14:18

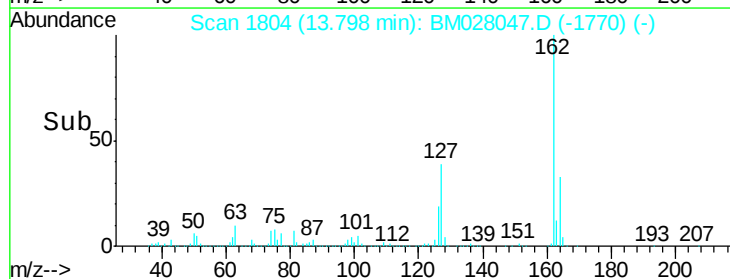
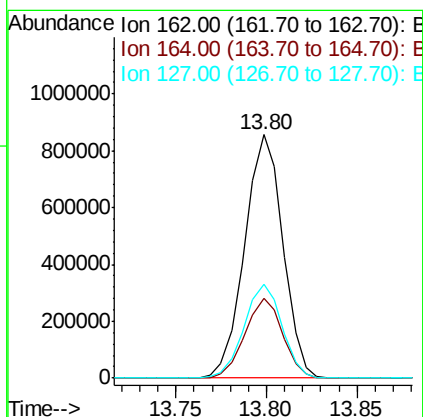
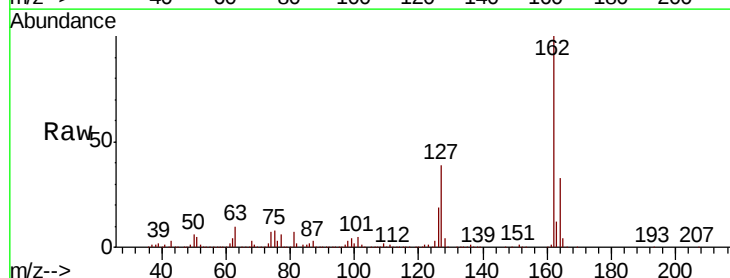
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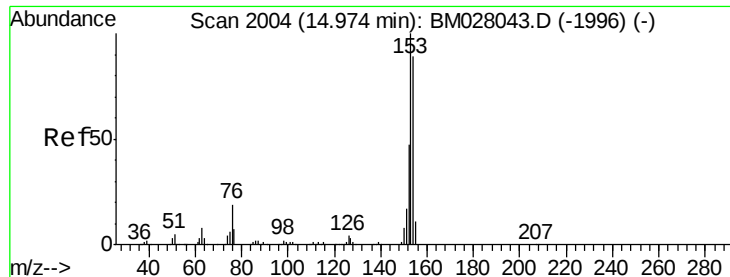
Tot Ion:142 Resp: 1217313
 Ion Ratio Lower Upper
 142 100
 141 88.8 71.0 106.6



#44
 2-Chloronaphthalene
 Concen: 47.287 ng/ul
 RT: 13.80 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: BM028047.D
 Acq: 05 Dec 2020 14:18

Tgt Ion:162 Resp: 1252982
 Ion Ratio Lower Upper
 162 100
 164 32.8 27.0 40.6
 127 38.8 30.8 46.2





#52

Acenaphthene

Concen: 25.692 ng/ul

RT: 14.97 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BM028047.D

Acq: 05 Dec 2020 14:18

Instrument :

BNA_M

ClientSampleId :

X2R15

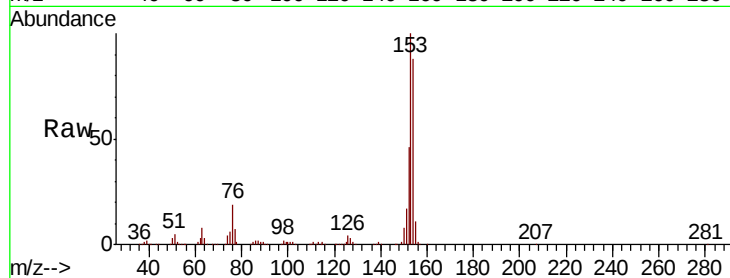
Tot Ion:153 Resp: 712287

Ion Ratio Lower Upper

153 100

152 46.1 36.8 55.2

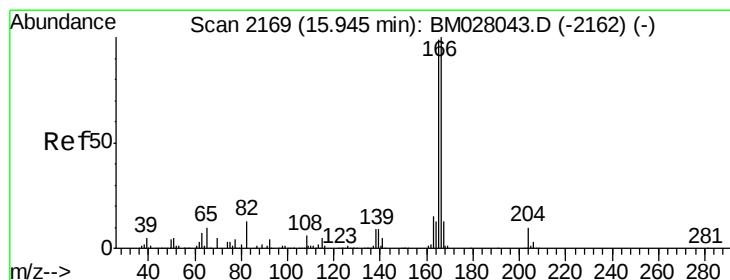
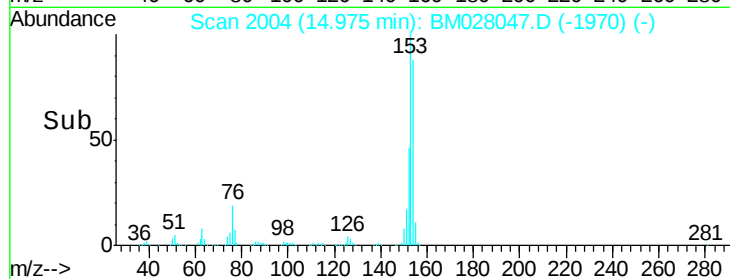
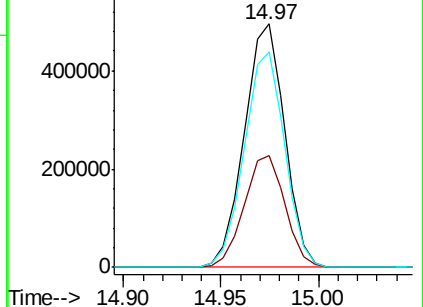
154 88.2 72.0 108.0



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



#61

Fluorene

Concen: 28.033 ng/ul

RT: 15.95 min Scan# 2169

Delta R.T. 0.00 min

Lab File: BM028047.D

Acq: 05 Dec 2020 14:18

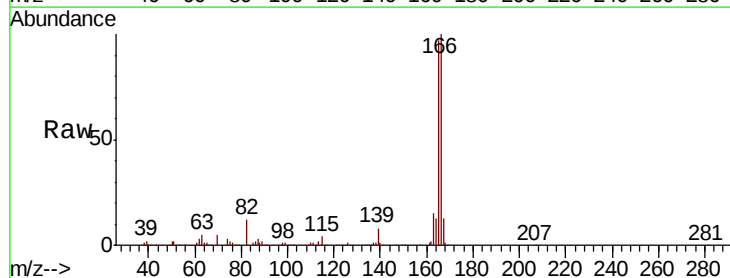
Tgt Ion:166 Resp: 859398

Ion Ratio Lower Upper

166 100

165 97.4 77.5 116.3

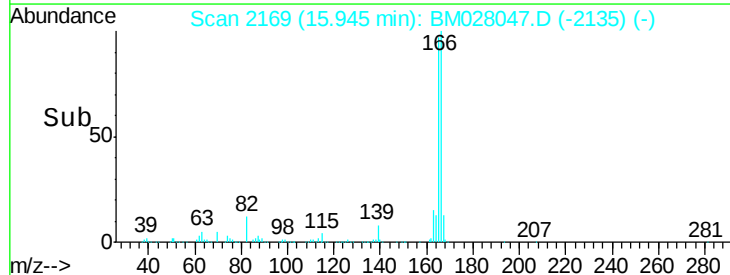
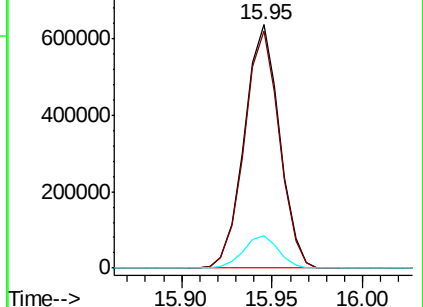
167 13.2 10.6 16.0

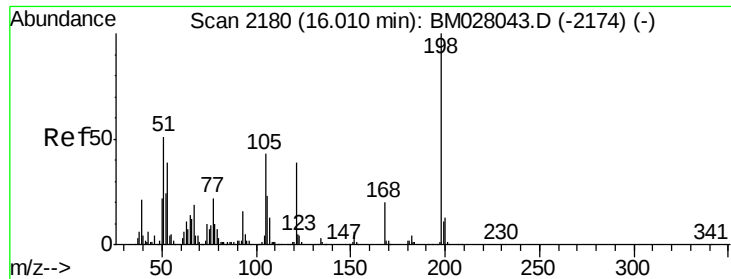


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

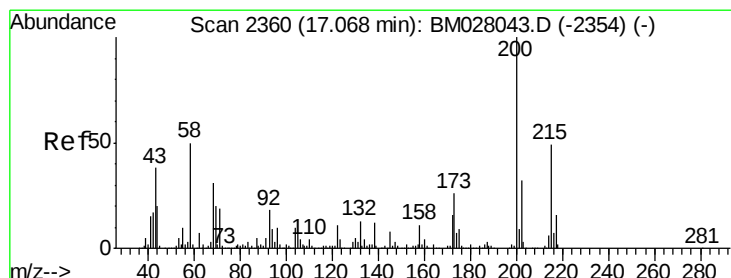
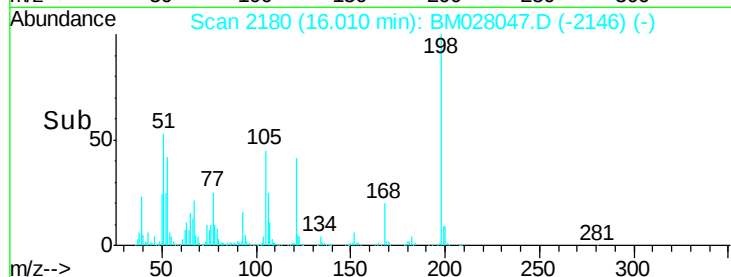
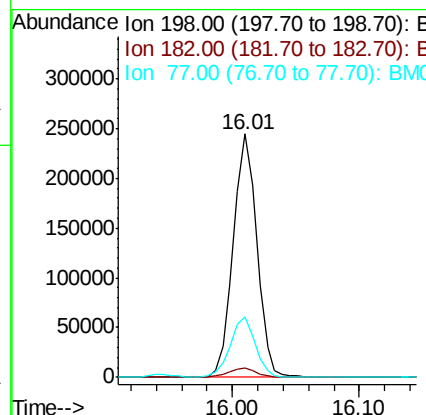
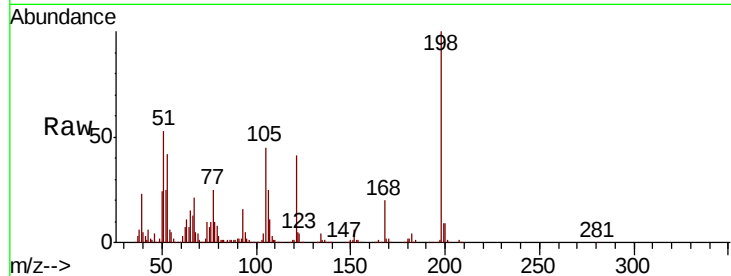




#66
 4,6-Dinitro-2-methylphenol
 Concen: 61.711 ng/ul
 RT: 16.01 min Scan# 2180
 Delta R.T. 0.00 min
 Lab File: BM028047.D
 Acq: 05 Dec 2020 14:18

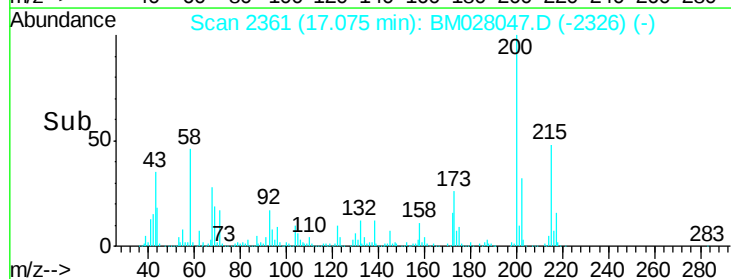
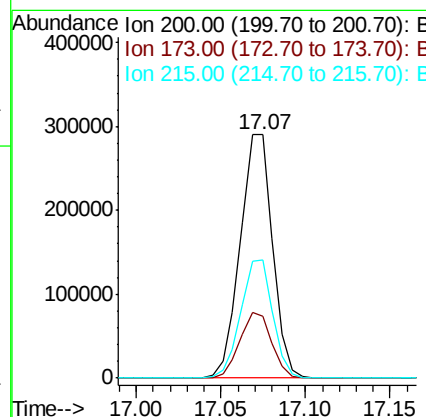
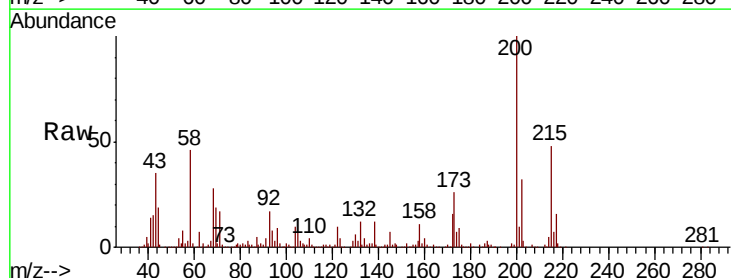
Instrument :
 BNA_M
 ClientSampleId :
 X2R15

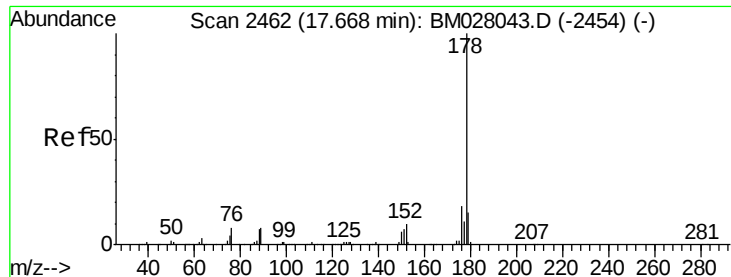
Tot Ion	198	Resp	315408
Ion Ratio	100	Lower	Upper
182	4.0	3.5	5.3
77	24.7	20.2	30.4



#70
 Atrazine
 Concen: 43.637 ng/ul
 RT: 17.07 min Scan# 2361
 Delta R.T. 0.01 min
 Lab File: BM028047.D
 Acq: 05 Dec 2020 14:18

Tgt Ion	200	Resp	388415
Ion Ratio	100	Lower	Upper
173	25.6	22.3	33.5
215	48.4	38.4	57.6





#72

Phenanthrene

Concen: 32.253 ng/ul

RT: 17.67 min Scan# 2462

Delta R.T. 0.00 min

Lab File: BM028047.D

Acq: 05 Dec 2020 14:18

Instrument :

BNA_M

ClientSampleId :

X2R15

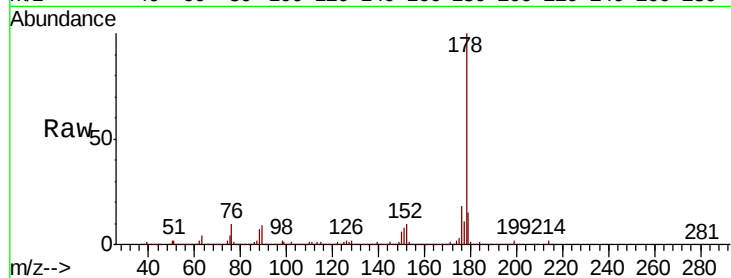
Tot Ion:178 Resp: 1568310

Ion Ratio Lower Upper

178 100

179 15.3 11.8 17.8

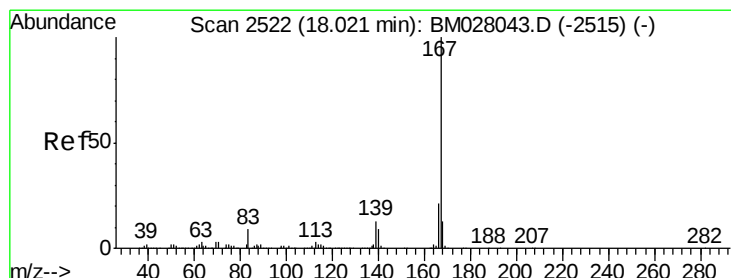
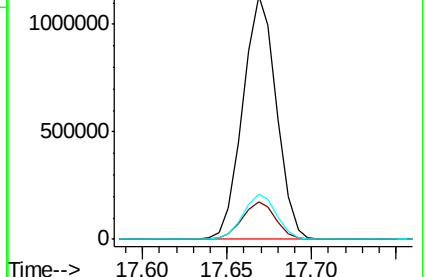
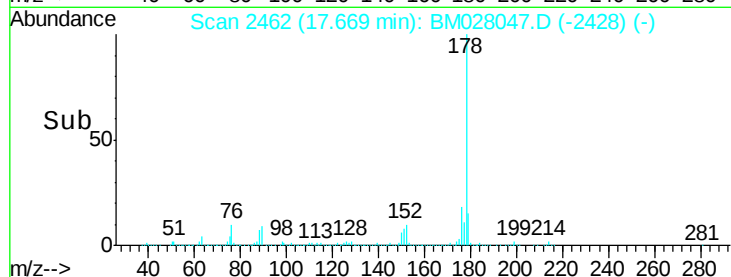
176 18.4 14.2 21.4



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: 52.470 ng/ul

RT: 18.02 min Scan# 2522

Delta R.T. 0.00 min

Lab File: BM028047.D

Acq: 05 Dec 2020 14:18

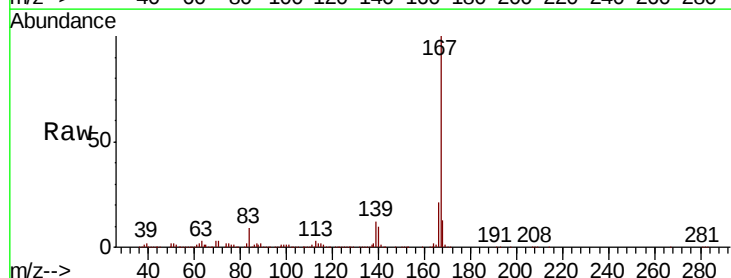
Tgt Ion:167 Resp: 2211218

Ion Ratio Lower Upper

167 100

166 21.1 16.6 25.0

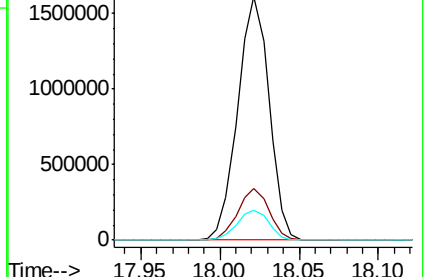
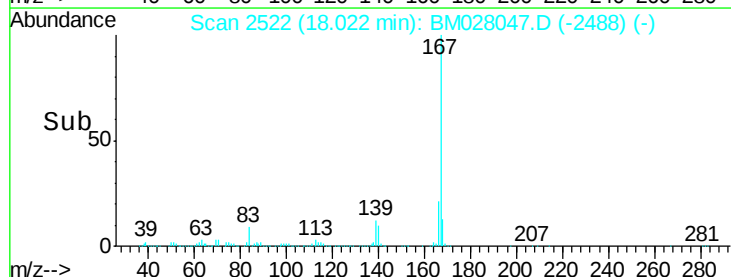
139 12.5 9.8 14.8

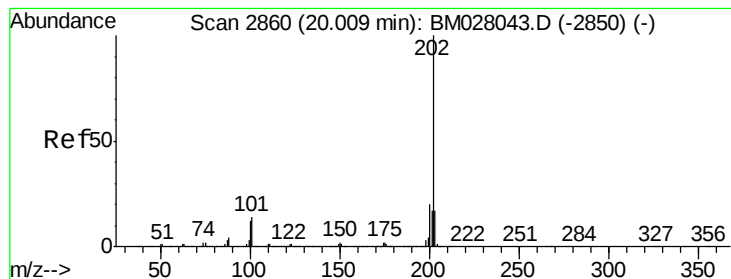


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#82

Pvrene

Concen: 40.472 ng/ul

RT: 20.01 min Scan# 2860

Delta R.T. 0.00 min

Lab File: BM028047.D

Acq: 05 Dec 2020 14:18

Instrument :

BNA_M

ClientSampleId :

X2R15

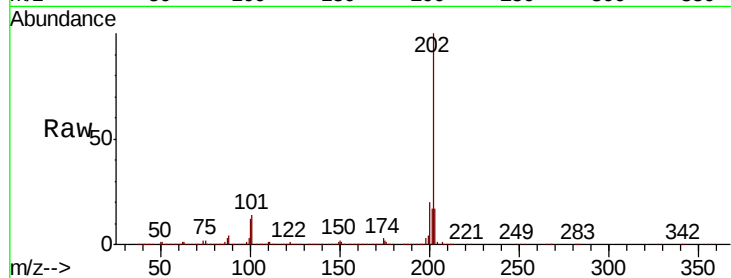
Tot Ion:202 Resp: 2292174

Ion Ratio Lower Upper

202 100

101 14.2 11.6 17.4

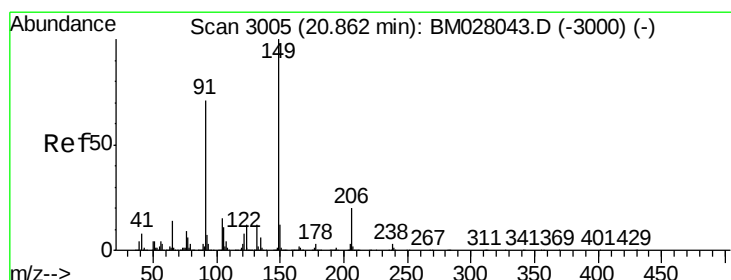
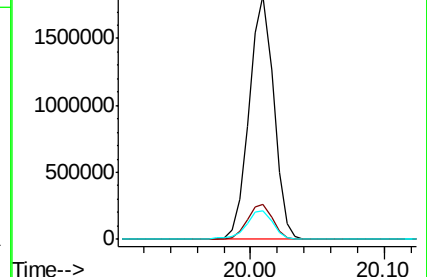
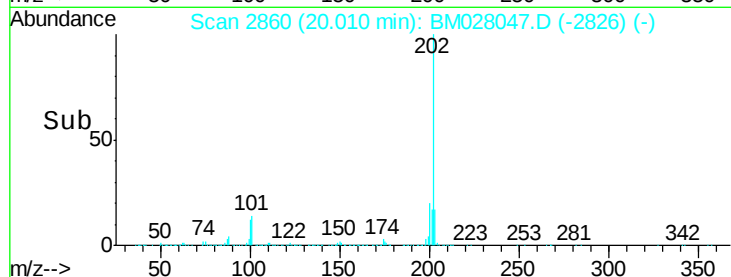
100 11.7 9.5 14.3



Abundance Ion 202.00 (201.70 to 202.70): E

2500000 Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#83

Butylbenzylphthalate

Concen: 47.569 ng/ul

RT: 20.86 min Scan# 3005

Delta R.T. 0.00 min

Lab File: BM028047.D

Acq: 05 Dec 2020 14:18

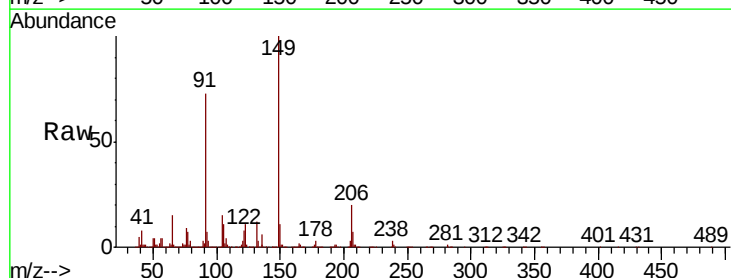
Tgt Ion:149 Resp: 966970

Ion Ratio Lower Upper

149 100

91 73.5 57.7 86.5

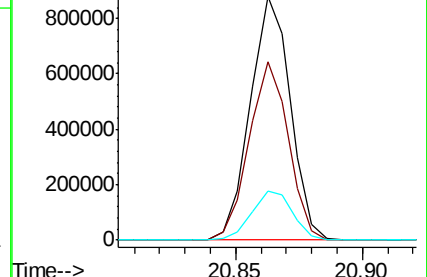
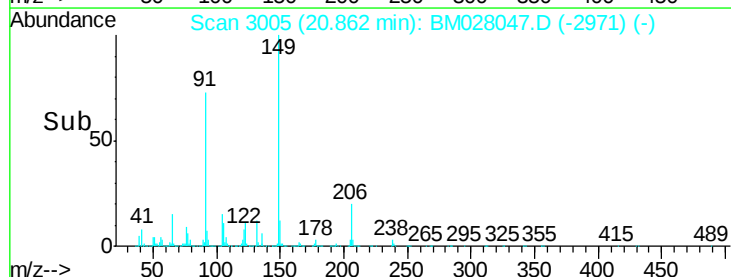
206 20.1 15.3 22.9

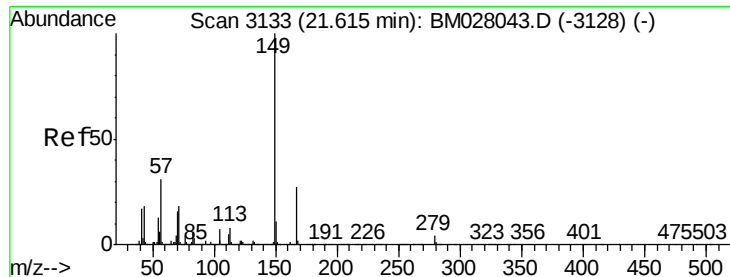


Abundance Ion 149.00 (148.70 to 149.70): E

1200000 Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E





#86

Bis(2-ethylhexyl)phthalate

Concen: 45.172 ng/ul

RT: 21.62 min Scan# 3133

Delta R.T. 0.00 min

Lab File: BM028047.D

Acq: 05 Dec 2020 14:18

Instrument :

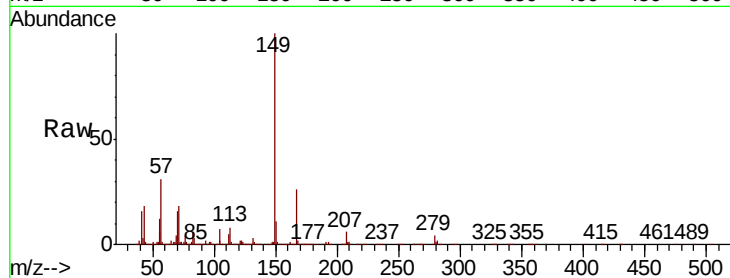
BNA_M

ClientSampleId :

X2R15

Tot Ion:149 Resp: 1389240

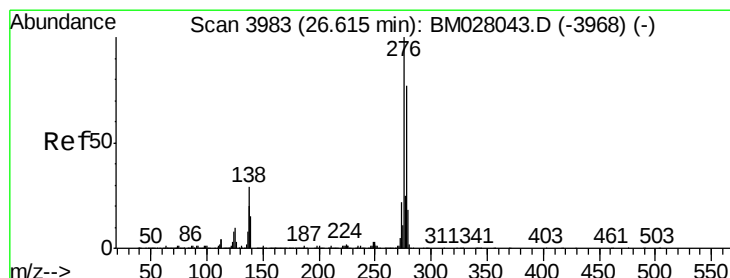
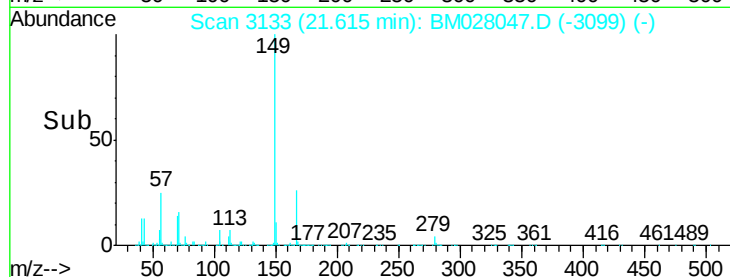
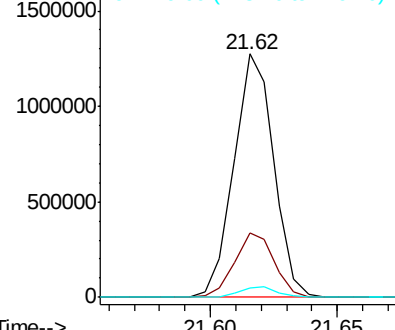
Ion	Ratio	Lower	Upper
149	100		
167	26.3	20.6	30.8
279	3.8	3.1	4.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#94

Indeno(1,2,3-cd)pyrene

Concen: 42.121 ng/ul

RT: 26.63 min Scan# 3985

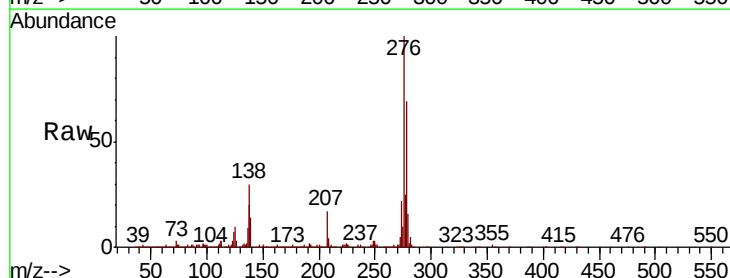
Delta R.T. 0.01 min

Lab File: BM028047.D

Acq: 05 Dec 2020 14:18

Tgt Ion:276 Resp: 2490878

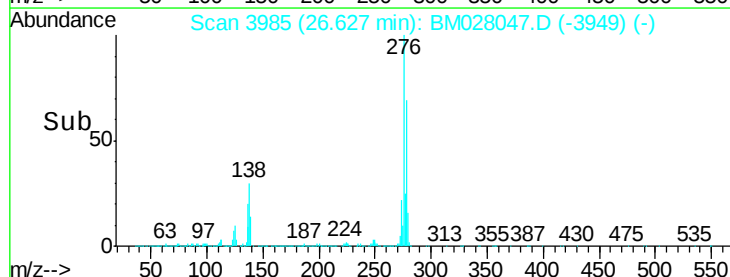
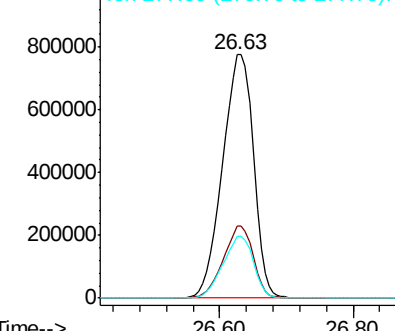
Ion	Ratio	Lower	Upper
276	100		
138	29.6	25.2	37.8
277	25.3	20.6	31.0

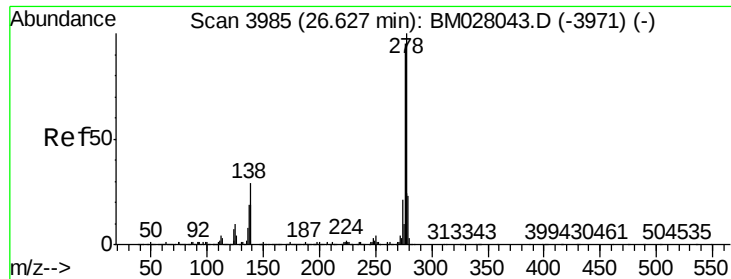


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#95

Dibenzo(a,h)anthracene

Concen: 33.426 ng/ul

RT: 26.64 min Scan# 3987

Delta R.T. 0.01 min

Lab File: BM028047.D

Acq: 05 Dec 2020 14:18

Instrument :

BNA_M

ClientSampleId :

X2R15

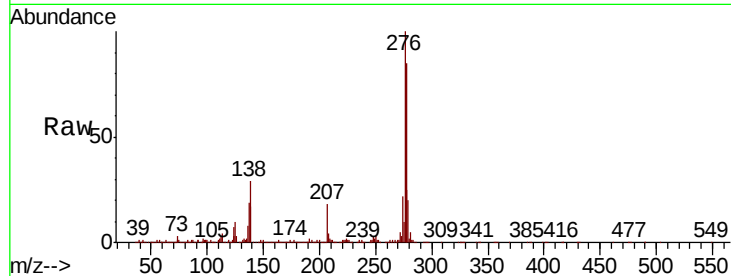
Tot Ion:278 Resp: 1670809

Ion	Ratio	Lower	Upper
278	100		
139	19.5	15.5	23.3
279	23.3	19.2	28.8

278 100

139 19.5 15.5 23.3

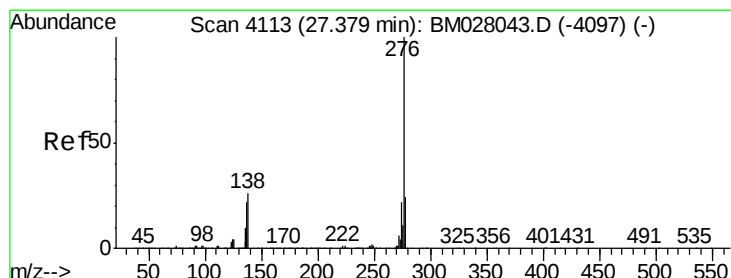
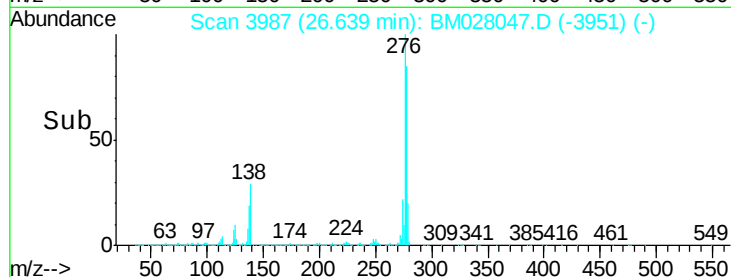
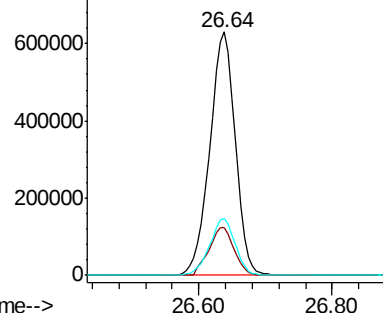
279 23.3 19.2 28.8



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: 31.734 ng/ul

RT: 27.39 min Scan# 4115

Delta R.T. 0.01 min

Lab File: BM028047.D

Acq: 05 Dec 2020 14:18

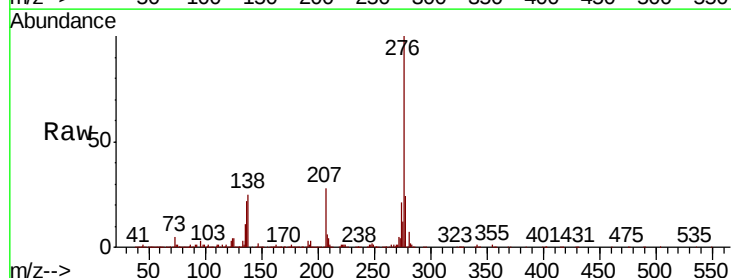
Tgt Ion:276 Resp: 1583434

Ion	Ratio	Lower	Upper
276	100		
138	25.0	19.8	29.8
277	23.8	18.9	28.3

276 100

138 25.0 19.8 29.8

277 23.8 18.9 28.3



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

