

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122920\
 Data File : BM028279.D
 Acq On : 29 Dec 2020 14:14
 Operator : JU/CG
 Sample : L5175-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X2T99

Quant Time: Dec 29 14:47:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM120820.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 29 11:38:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	78384	20.00	ng/ul	0.00
20) Naphthalene-d8	11.01	136	309817	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.81	164	172506	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.53	188	344662	20.00	ng/ul	0.00
79) Chrysene-d12	21.65	240	317456	20.00	ng/ul	0.00
88) Perylene-d12	24.01	264	314693	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.40	96	8664	4.22	ng/uL	0.00
4) Pyridine-d5	3.85	84	160581	28.64	ng/ul	0.00
7) Phenol-d5	7.32	99	175015	26.16	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	7.49	67	103705	24.39	ng/ul	0.00
11) 2-Chlorophenol-d4	7.70	132	144877	26.01	ng/ul	0.00
15) 4-Methylphenol-d8	8.89	113	135242	24.77	ng/ul	0.00
21) Nitrobenzene-d5	9.36	128	67319	26.93	ng/ul	0.00
24) 2-Nitrophenol-d4	10.09	143	72712	28.24	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.62	165	149525	29.56	ng/ul	0.00
31) 4-Chloroaniline-d4	11.14	131	180835	25.63	ng/ul	0.00
46) Dimethylphthalate-d6	14.21	166	416872	30.39	ng/ul	0.00
49) Acenaphthylene-d8	14.51	160	463034	27.78	ng/ul	0.00
54) 4-Nitrophenol-d4	14.99	143	80591	31.19	ng/ul	0.00
60) Fluorene-d10	15.79	176	354439	29.71	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.90	200	53141	25.24	ng/ul	0.00
73) Anthracene-d10	17.63	188	612844	35.72	ng/ul	0.00
81) Pyrene-d10	19.89	212	670904	38.92	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.86	264	676441	39.26	ng/ul	0.00

Target Compounds

					Ovalue
8) Phenol	7.35	94	280713	41.620	ng/ul 99
22) Nitrobenzene	9.40	77	226827	37.377	ng/ul 98
23) Isophorone	9.93	82	517872	48.182	ng/ul 98
29) 2,4-Dichlorophenol	10.65	162	338249	67.917	ng/ul 99
30) Naphthalene	11.06	128	969269	54.155	ng/ul 100
34) Caprolactam	11.92	113	14671	9.387	ng/ul 86
41) 2,4,6-Trichlorophenol	13.25	196	215710	60.361	ng/ul 99
44) 2-Chloronaphthalene	13.70	162	673170	57.524	ng/ul 99
59) Diethylphthalate	15.60	149	871615	60.499	ng/ul 100
67) N-Nitrosodiphenylamine	16.04	169	369142	32.548	ng/ul 99
69) Hexachlorobenzene	16.84	284	186260	40.292	ng/ul 98
70) Atrazine	16.99	200	213403	52.450	ng/ul 100
72) Phenanthrene	17.57	178	982106	46.189	ng/ul 100
77) Carbazole	17.93	167	1446738	78.616	ng/ul 99
83) Butylbenzylphthalate	20.79	149	464738	47.592	ng/ul 98
87) Chrysene	21.69	228	1093416	51.582	ng/ul 100
89) Di-n-octyl phthalate	22.45	149	1711925	67.924	ng/ul 100
90) Benzo(b)fluoranthene	23.30	252	1477974	68.281	ng/ul 98
91) Benzo(k)fluoranthene	23.34	252	1000361	47.817	ng/ul 100
96) Benzo(a,h,i)perylene	27.18	276	1280957	66.193	ng/ul 98

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Response via : Initial Calibration

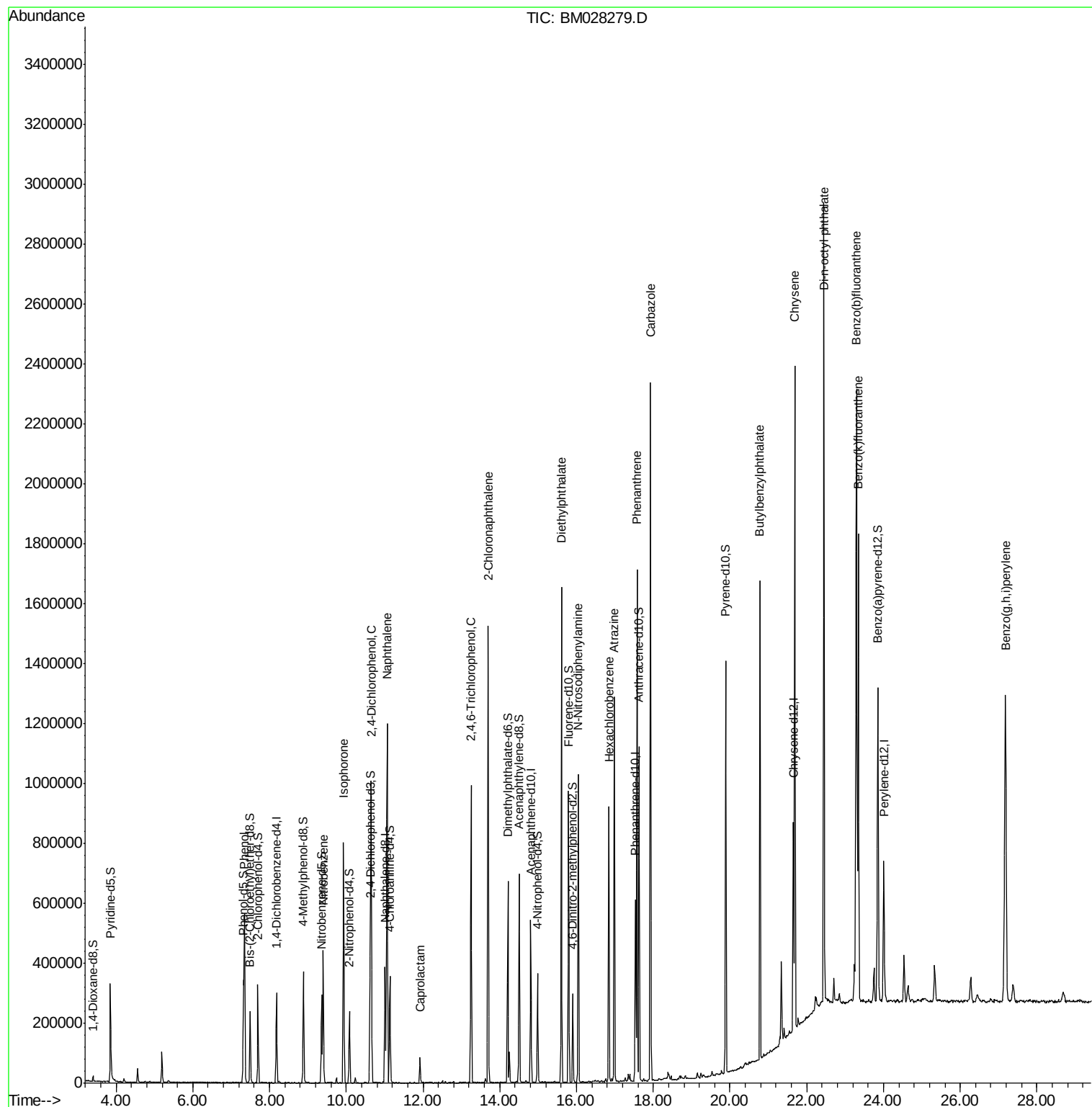
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

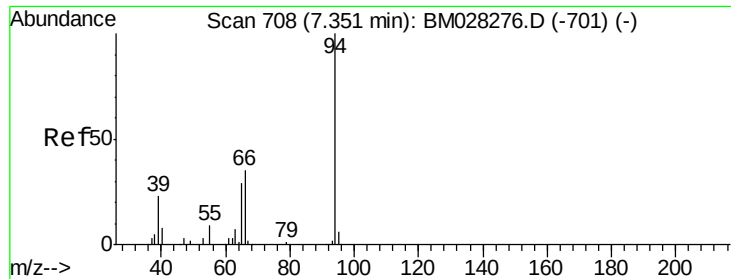
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#8

Phenol

Concen: 41.620 ng/ul

RT: 7.35 min Scan# 707

Delta R.T. -0.01 min

Lab File: BM028279.D

Acq: 29 Dec 2020 14:14

Instrument :

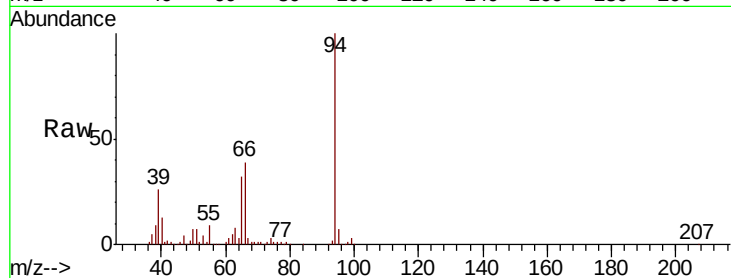
BNA_M

ClientSampleId :

X2T99

Tot Ion: 94 Resp: 280713

Ion	Ratio	Lower	Upper
94	100		
65	31.5	24.5	36.7
66	38.5	30.6	46.0

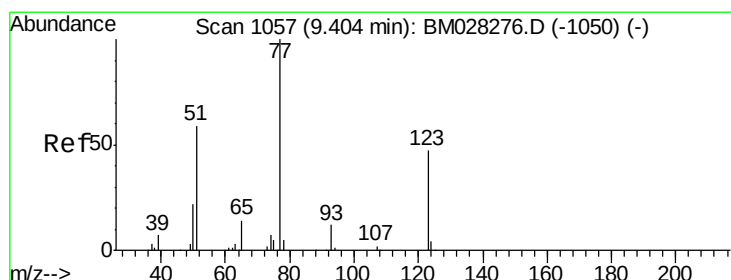
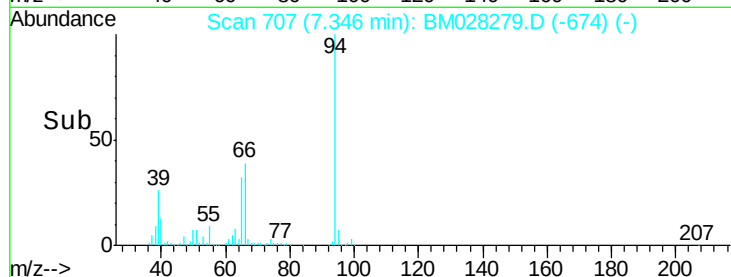
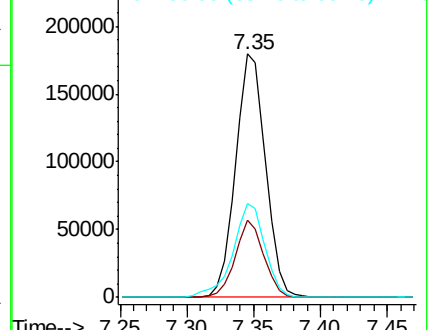


Abundance

Ion 94.00 (93.70 to 94.70): BM0

Ion 65.00 (64.70 to 65.70): BM0

Ion 66.00 (65.70 to 66.70): BM0



#22

Nitrobenzene

Concen: 37.377 ng/ul

RT: 9.40 min Scan# 1056

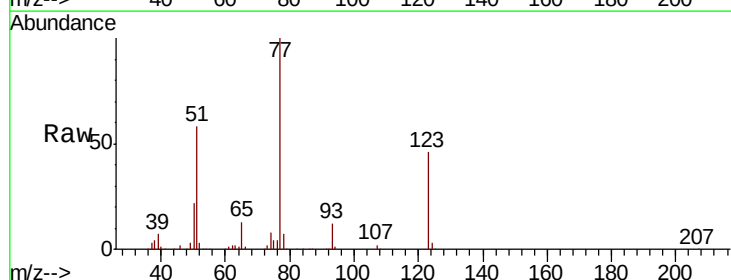
Delta R.T. -0.01 min

Lab File: BM028279.D

Acq: 29 Dec 2020 14:14

Tgt Ion: 77 Resp: 226827

Ion	Ratio	Lower	Upper
77	100		
123	45.9	37.9	56.9
65	13.5	11.1	16.7

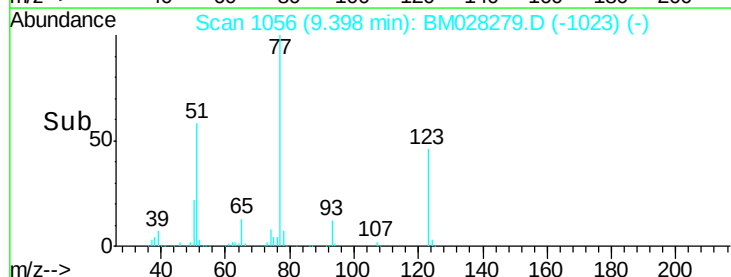
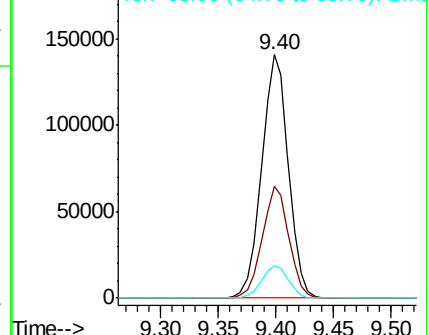


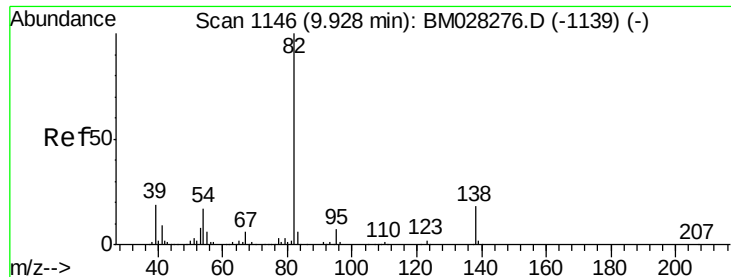
Abundance

Ion 77.00 (76.70 to 77.70): BM0

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BM0





#23

Isophorone

Concen: 48.182 ng/ul

RT: 9.93 min Scan# 1146

Delta R.T. 0.00 min

Lab File: BM028279.D

Acq: 29 Dec 2020 14:14

Instrument :

BNA_M

ClientSampleId :

X2T99

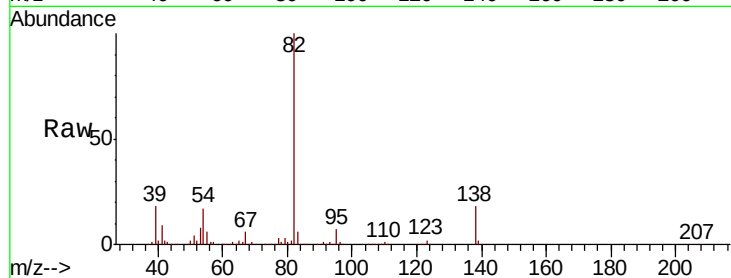
Tot Ion: 82 Resp: 517872

Ion Ratio Lower Upper

82 100

95 7.0 5.6 8.4

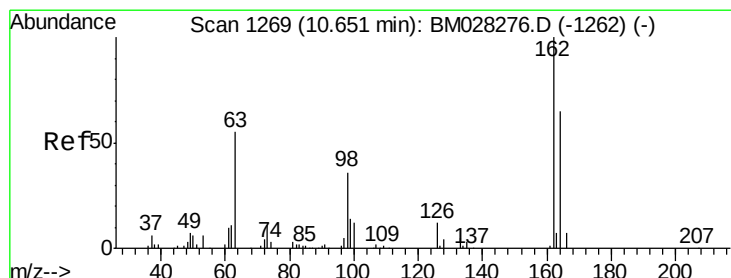
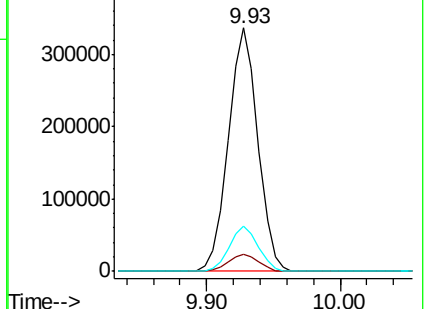
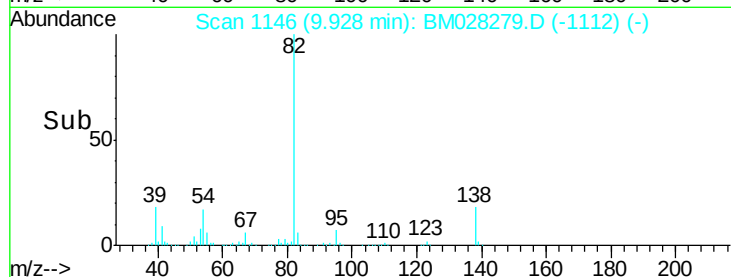
138 18.4 13.5 20.3



Abundance Ion 82.00 (81.70 to 82.70): BM028279.D (-1112) (-)

Ion 95.00 (94.70 to 95.70): BM028279.D (-1112) (-)

Ion 138.00 (137.70 to 138.70): BM028279.D (-1112) (-)



#29

2,4-Dichlorophenol

Concen: 67.917 ng/ul

RT: 10.65 min Scan# 1269

Delta R.T. 0.00 min

Lab File: BM028279.D

Acq: 29 Dec 2020 14:14

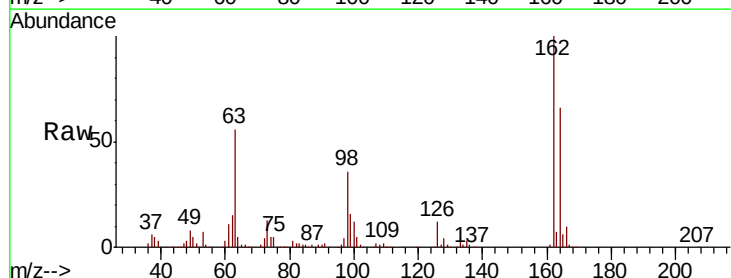
Tgt Ion: 162 Resp: 338249

Ion Ratio Lower Upper

162 100

164 65.9 52.9 79.3

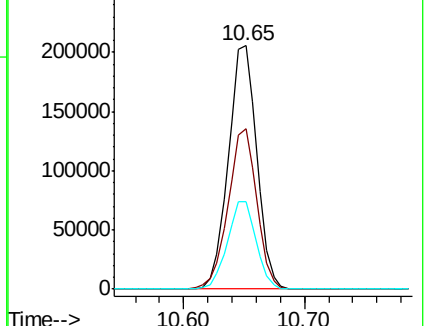
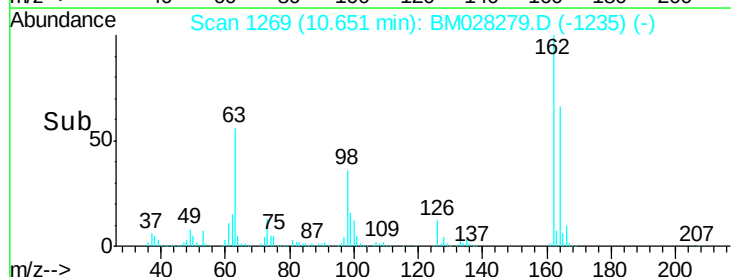
98 36.1 29.8 44.6

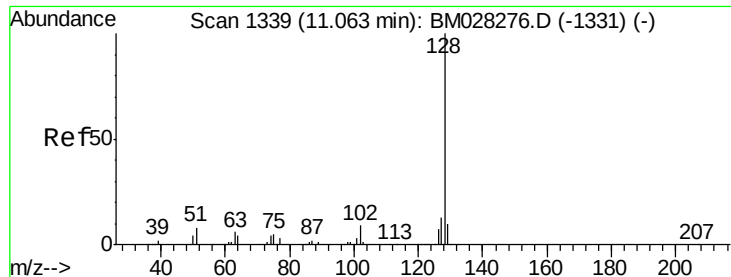


Abundance Ion 162.00 (161.70 to 162.70): BM028279.D (-1235) (-)

Ion 164.00 (163.70 to 164.70): BM028279.D (-1235) (-)

Ion 98.00 (97.70 to 98.70): BM028279.D (-1235) (-)





#30

Naphthalene

Concen: 54.155 ng/ul

RT: 11.06 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BM028279.D

Acq: 29 Dec 2020 14:14

Instrument :

BNA_M

ClientSampleId :

X2T99

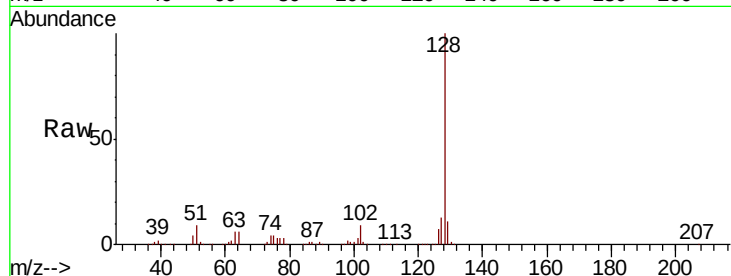
Tot Ion:128 Resp: 969269

Ion Ratio Lower Upper

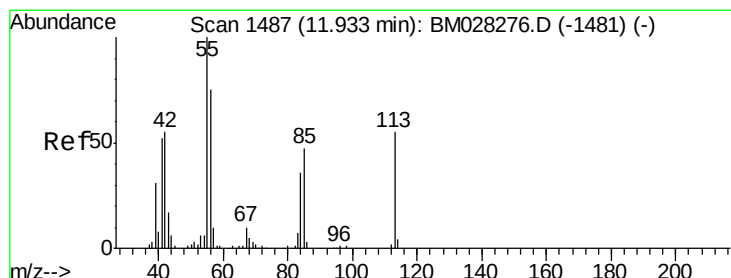
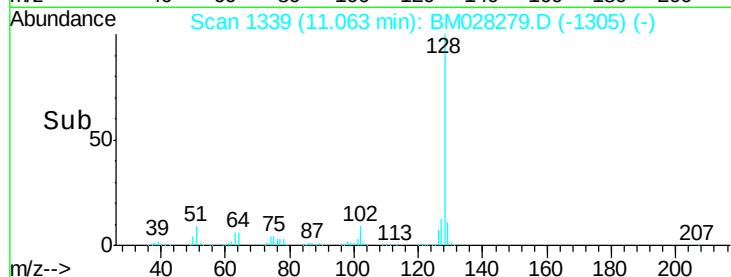
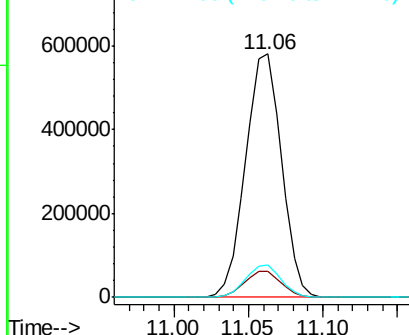
128 100

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



#34

Caprolactam

Concen: 9.387 ng/ul

RT: 11.92 min Scan# 1484

Delta R.T. -0.02 min

Lab File: BM028279.D

Acq: 29 Dec 2020 14:14

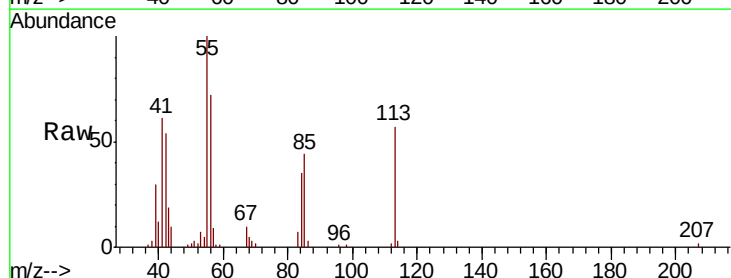
Tgt Ion:113 Resp: 14671

Ion Ratio Lower Upper

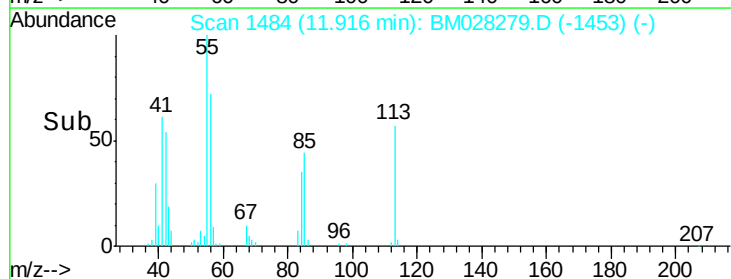
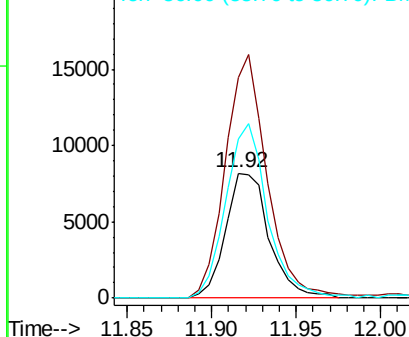
113 100

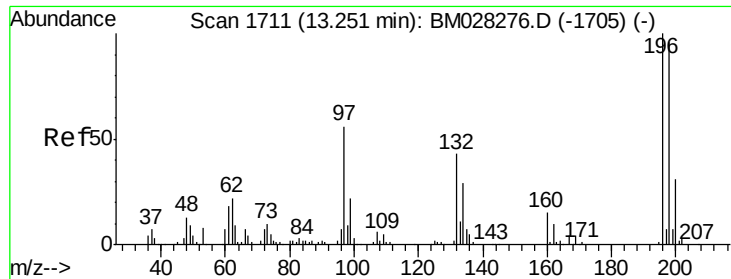
55 176.6 155.7 233.5

56 127.9 119.0 178.6



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

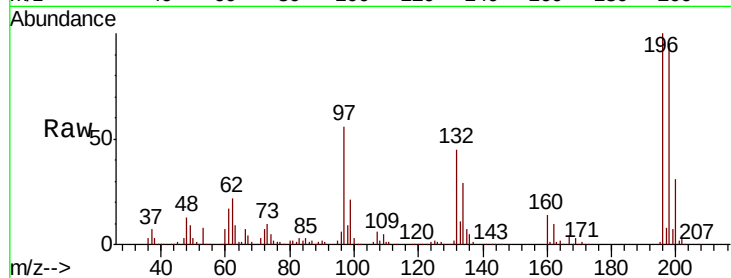




#41
2,4,6-Trichlorophenol
Concen: 60.361 ng/ul
RT: 13.25 min Scan# 1711
Delta R.T. 0.00 min
Lab File: BM028279.D
Acq: 29 Dec 2020 14:14

Instrument :
BNA_M
ClientSampled :
X2T99

Tot Ion	Ratio	Lower	Upper
196	100		
198	94.6	76.6	114.8
200	30.5	24.6	37.0

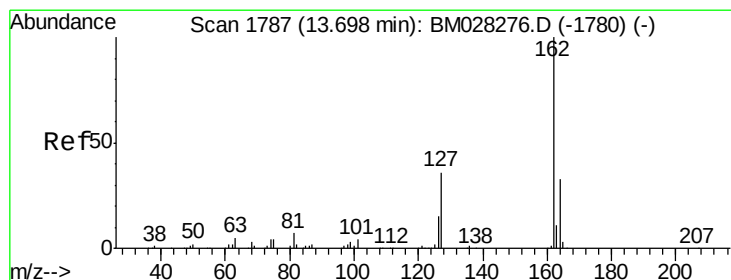
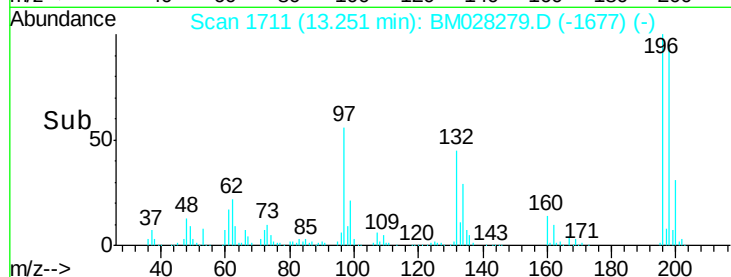
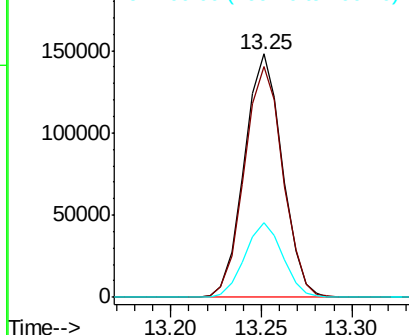


Abundance

Ion 196.00 (195.70 to 196.70): E

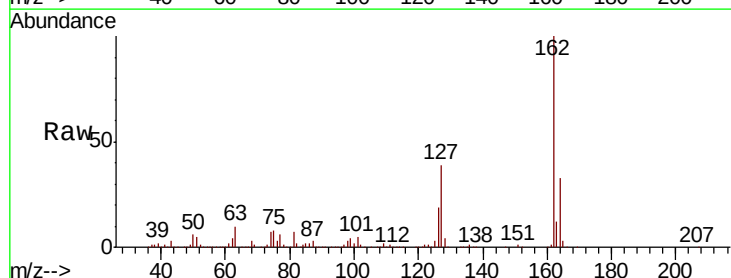
Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
2-Chloronaphthalene
Concen: 57.524 ng/ul
RT: 13.70 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BM028279.D
Acq: 29 Dec 2020 14:14

Tgt Ion	Ratio	Lower	Upper
162	100		
164	33.4	26.4	39.6
127	38.8	30.6	46.0

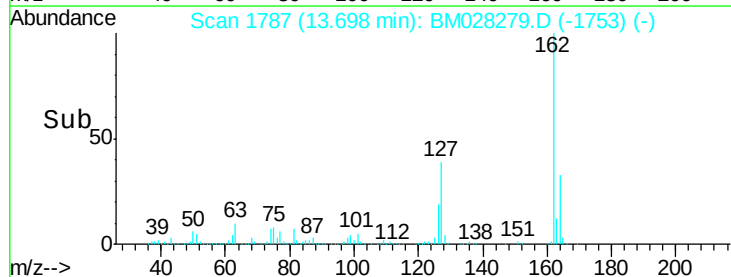
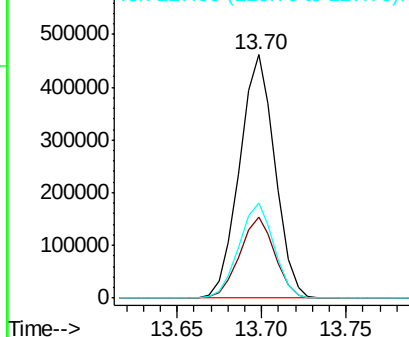


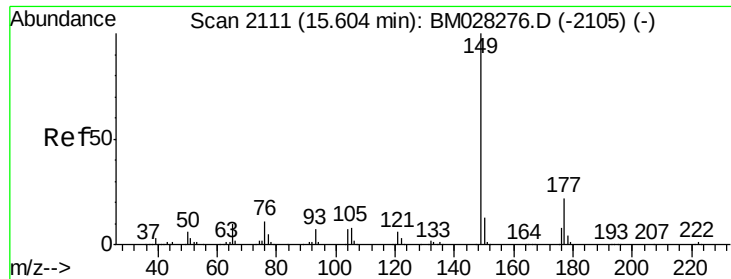
Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 127.00 (126.70 to 127.70): E

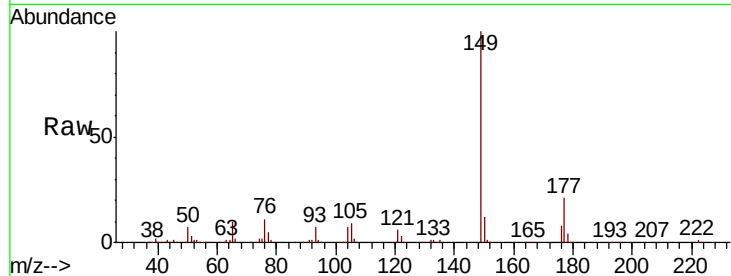




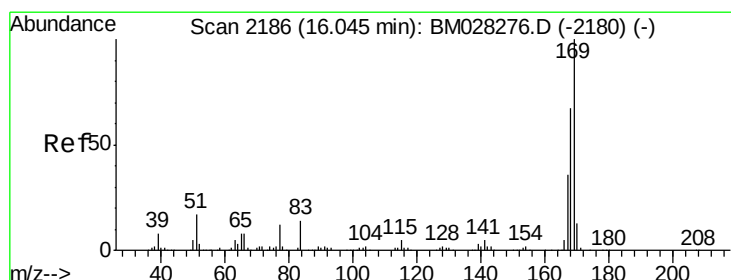
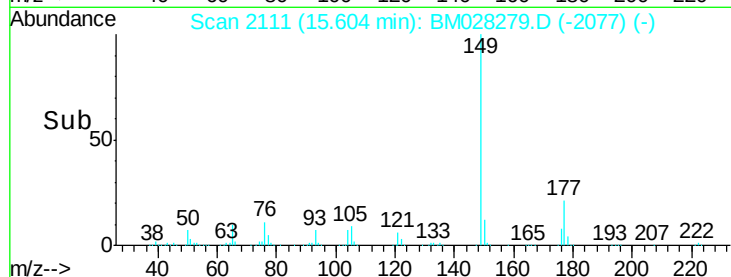
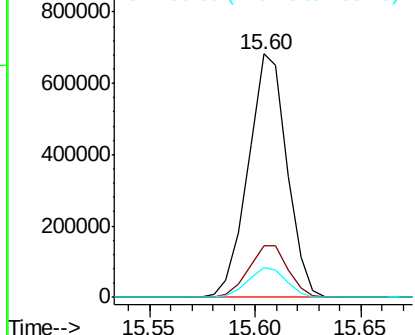
#59
Diethylphthalate
Concen: 60.499 ng/ul
RT: 15.60 min Scan# 2111
Delta R.T. 0.00 min
Lab File: BM028279.D
Acq: 29 Dec 2020 14:14

Instrument :
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Tot Ion:149 Resp: 871615
Ion Ratio Lower Upper
149 100
177 21.4 17.4 26.0
150 12.4 9.9 14.9

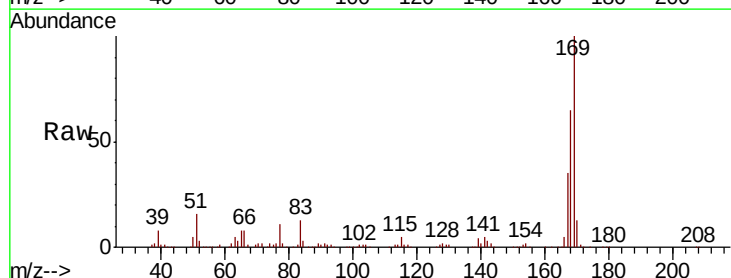


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

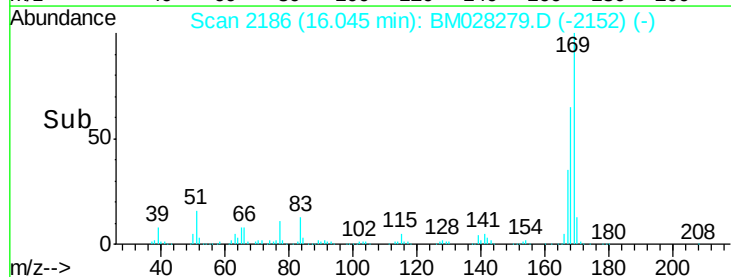
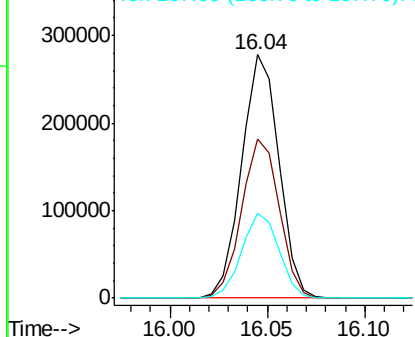


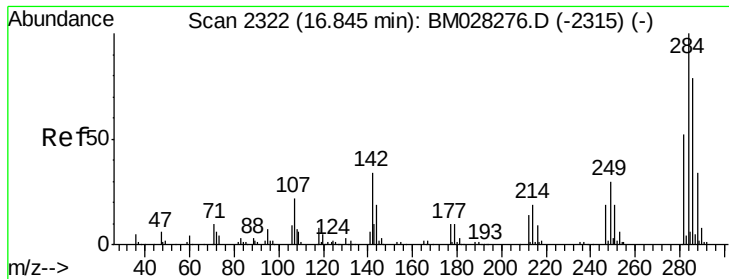
#67
N-Nitrosodiphenylamine
Concen: 32.548 ng/ul
RT: 16.04 min Scan# 2186
Delta R.T. 0.00 min
Lab File: BM028279.D
Acq: 29 Dec 2020 14:14

Tgt Ion:169 Resp: 369142
Ion Ratio Lower Upper
169 100
168 65.3 51.8 77.6
167 34.9 27.7 41.5



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





#69

Hexachlorobenzene

Concen: 40.292 ng/ul

RT: 16.84 min Scan# 2322

Delta R.T. 0.00 min

Lab File: BM028279.D

Acq: 29 Dec 2020 14:14

Instrument :

BNA_M

ClientSampleId :

X2T99

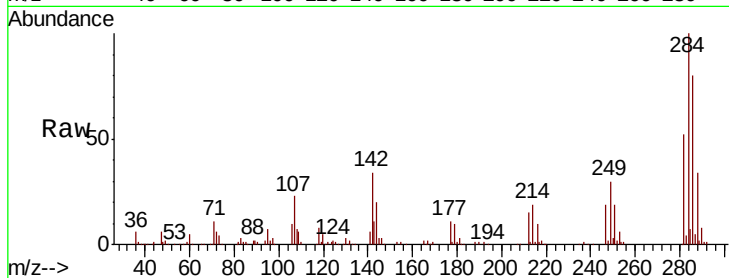
Tot Ion:284 Resp: 186260

Ion Ratio Lower Upper

284 100

142 34.1 29.0 43.4

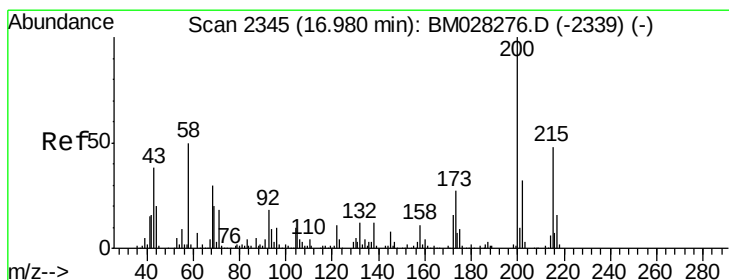
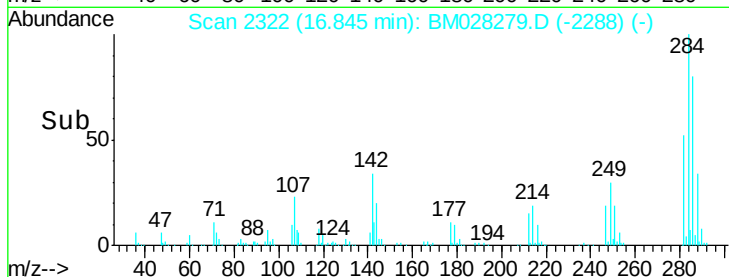
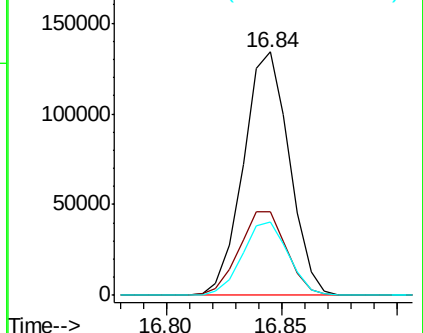
249 30.2 24.5 36.7



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



#70

Atrazine

Concen: 52.450 ng/ul

RT: 16.99 min Scan# 2346

Delta R.T. 0.01 min

Lab File: BM028279.D

Acq: 29 Dec 2020 14:14

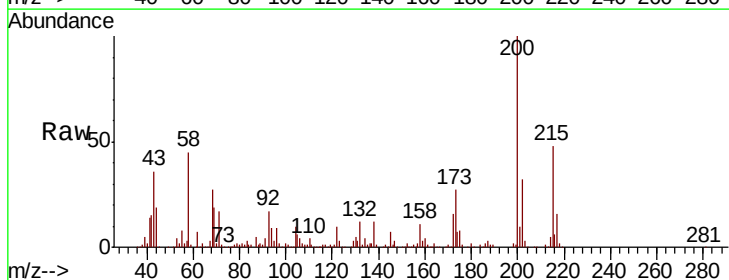
Tgt Ion:200 Resp: 213403

Ion Ratio Lower Upper

200 100

173 27.0 21.4 32.2

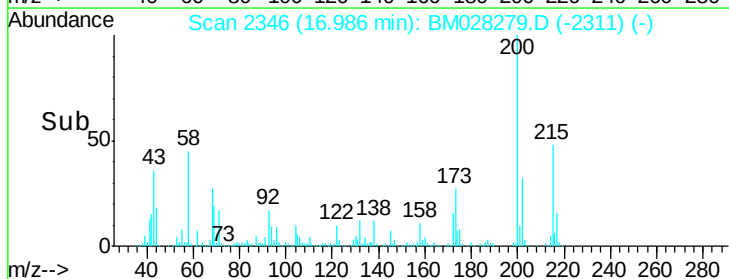
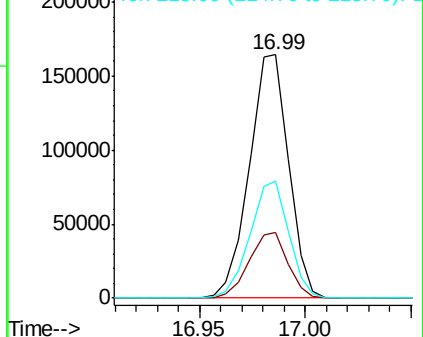
215 48.2 38.6 58.0

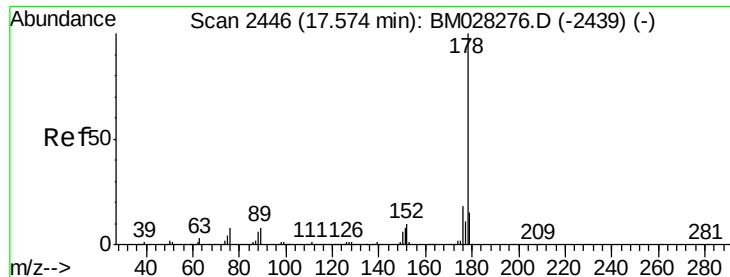


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

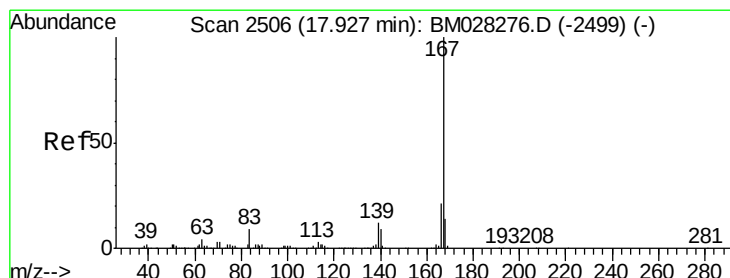
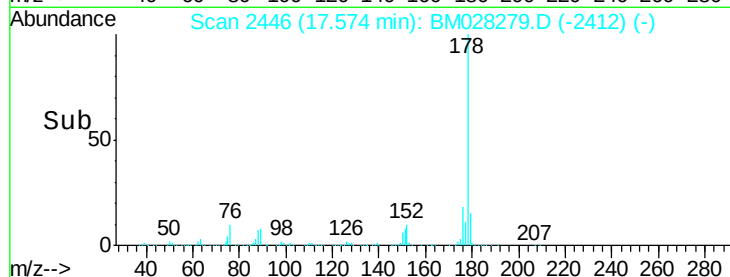
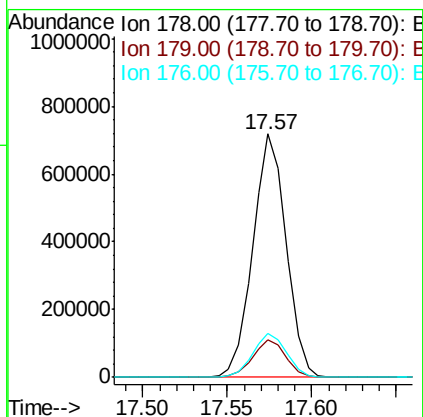
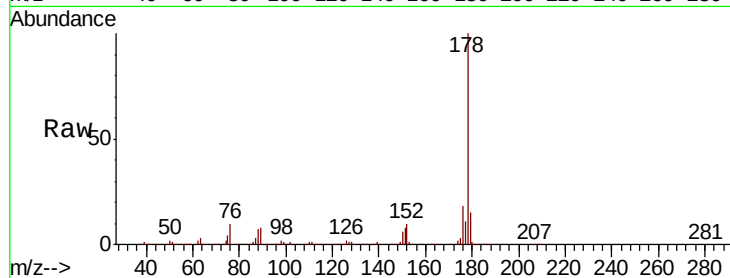




#72
Phenanthrene
Concen: 46.189 ng/ul
RT: 17.57 min Scan# 2446
Delta R.T. 0.00 min
Lab File: BM028279.D
Acq: 29 Dec 2020 14:14

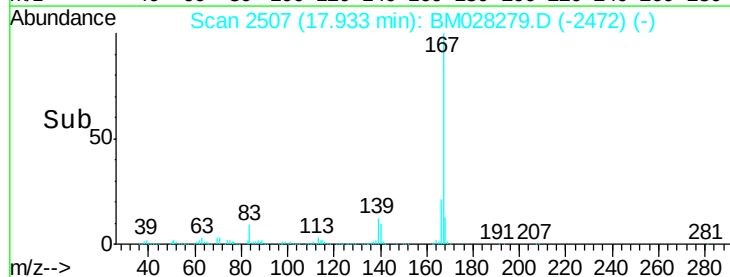
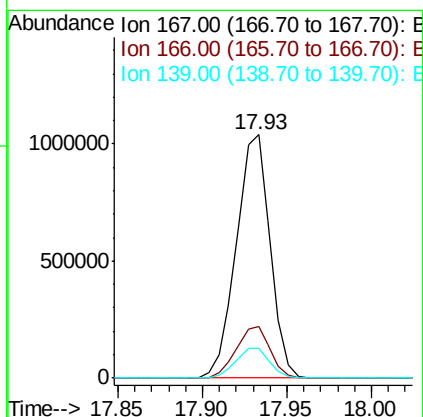
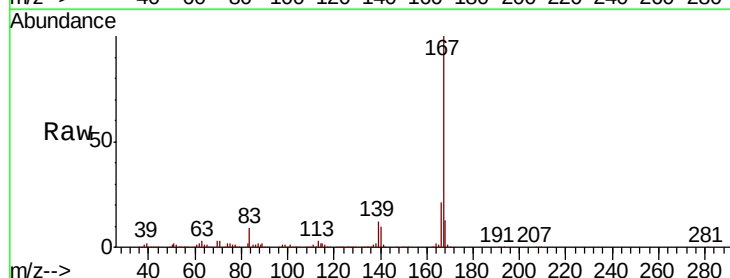
Instrument :
BNA_M
ClientSampleId :
X2T99

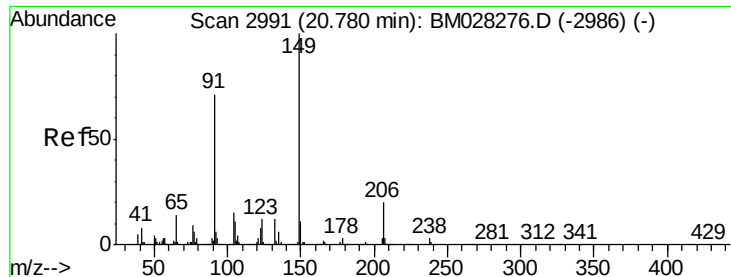
Tot Ion:178 Resp: 982106
Ion Ratio Lower Upper
178 100
179 15.3 12.2 18.4
176 18.1 14.6 21.8



#77
Carbazole
Concen: 78.616 ng/ul
RT: 17.93 min Scan# 2507
Delta R.T. 0.01 min
Lab File: BM028279.D
Acq: 29 Dec 2020 14:14

Tgt Ion:167 Resp: 1446738
Ion Ratio Lower Upper
167 100
166 21.0 17.0 25.4
139 12.5 10.3 15.5





#83

Butylbenzylphthalate

Concen: 47.592 ng/ul

RT: 20.79 min Scan# 2992

Delta R.T. 0.01 min

Lab File: BM028279.D

Acq: 29 Dec 2020 14:14

Instrument :

BNA_M

ClientSampled :

X2T99

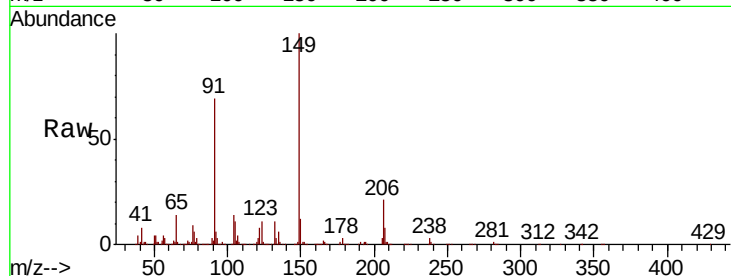
Tot Ion:149 Resp: 464738

Ion Ratio Lower Upper

149 100

91 68.6 55.7 83.5

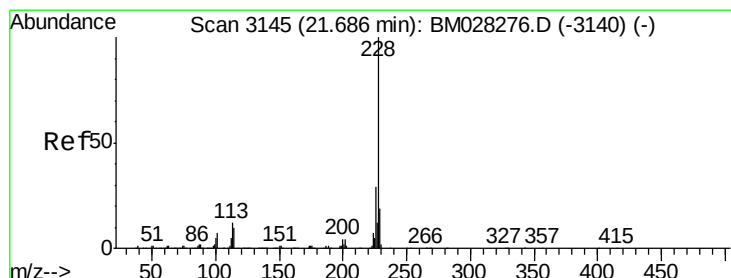
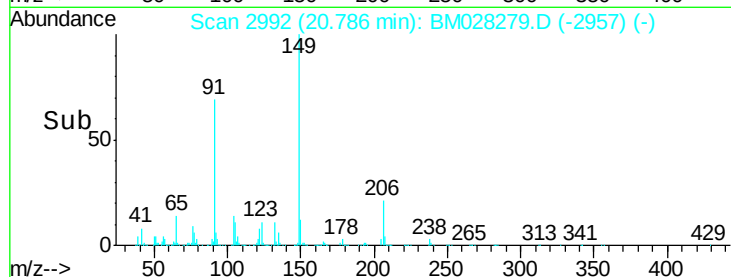
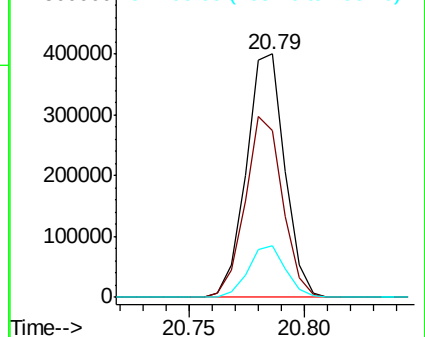
206 21.3 16.1 24.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E



#87

Chrysene

Concen: 51.582 ng/ul

RT: 21.69 min Scan# 3145

Delta R.T. 0.00 min

Lab File: BM028279.D

Acq: 29 Dec 2020 14:14

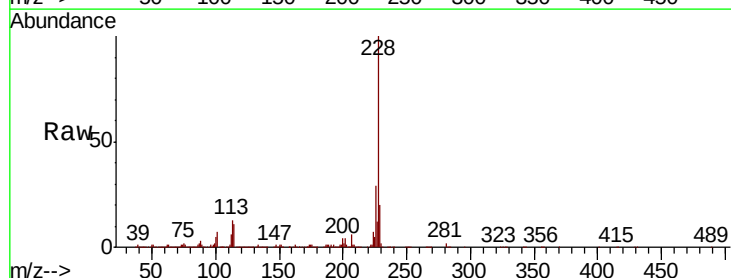
Tgt Ion:228 Resp: 1093416

Ion Ratio Lower Upper

228 100

226 29.0 23.0 34.4

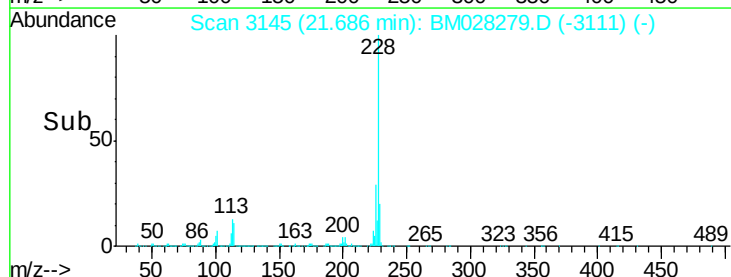
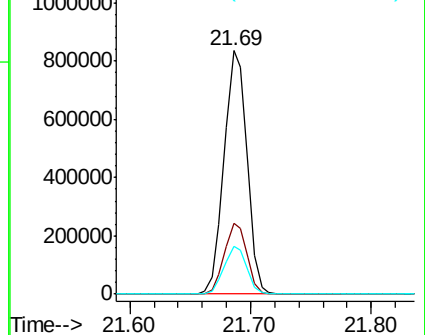
229 19.5 15.5 23.3

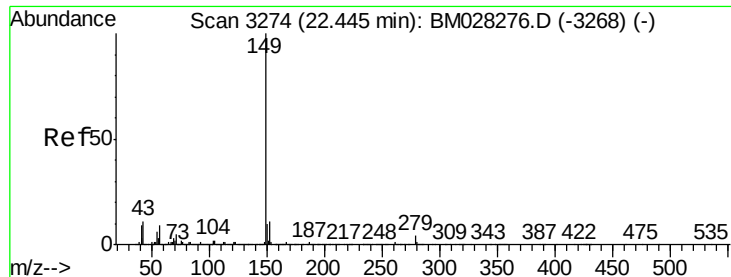


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#89

Di-n-octyl phthalate

Concen: 67.924 ng/ul

RT: 22.45 min Scan# 3275

Delta R.T. 0.01 min

Lab File: BM028279.D

Acq: 29 Dec 2020 14:14

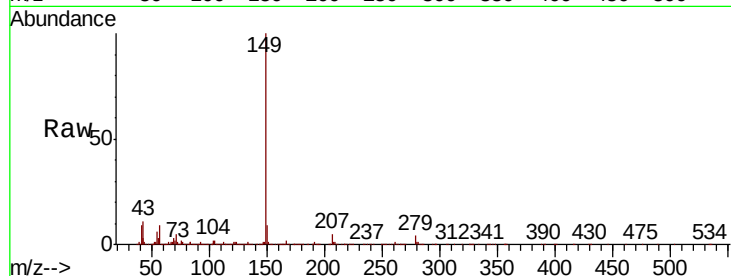
Instrument :

BNA_M

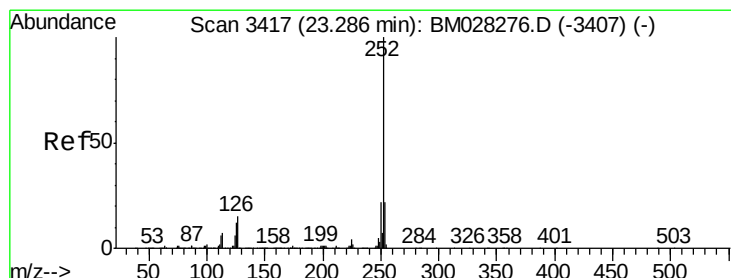
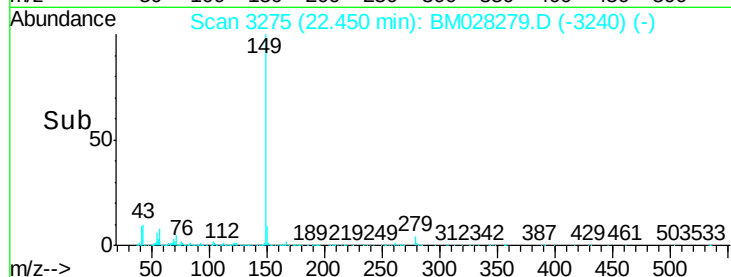
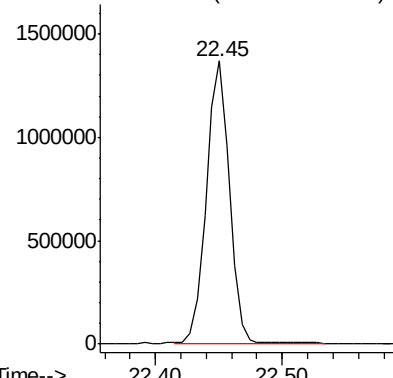
ClientSampleId :

X2T99

Tgt Ion:149 Resp: 1711925



Abundance Ion 149.00 (148.70 to 149.70): E



#90

Benzo(b)fluoranthene

Concen: 68.281 ng/ul

RT: 23.30 min Scan# 3419

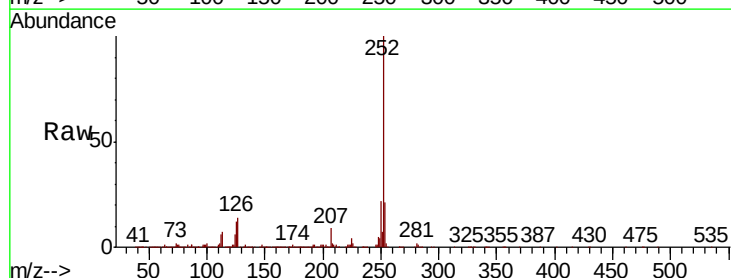
Delta R.T. 0.01 min

Lab File: BM028279.D

Acq: 29 Dec 2020 14:14

Tgt Ion:252 Resp: 1477974

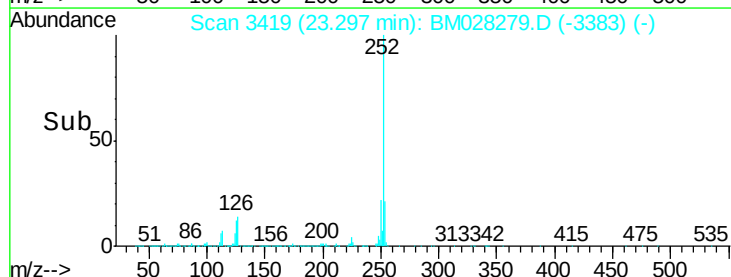
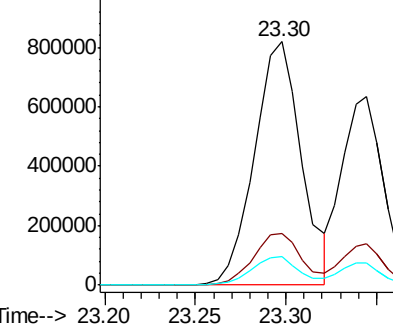
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.7	26.5
125	11.6	10.2	15.4

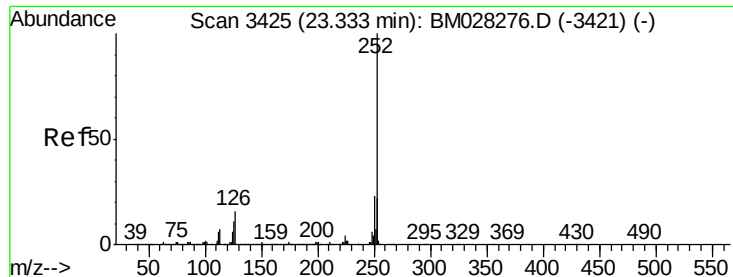


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(k)fluoranthene

Concen: 47.817 ng/ul

RT: 23.34 min Scan# 3427

Delta R.T. 0.01 min

Lab File: BM028279.D

Acq: 29 Dec 2020 14:14

Instrument :

BNA_M

ClientSampled :

X2T99

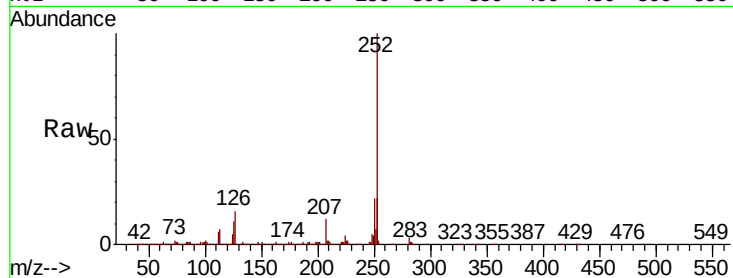
Tot Ion:252 Resp: 1000361

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

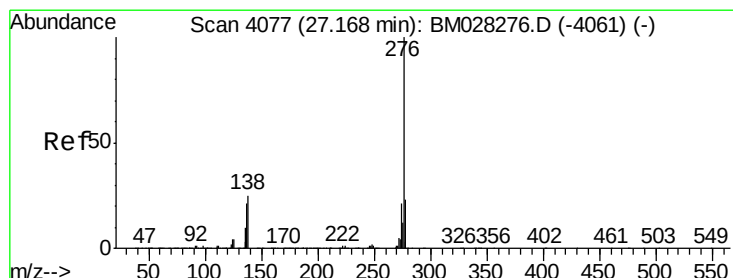
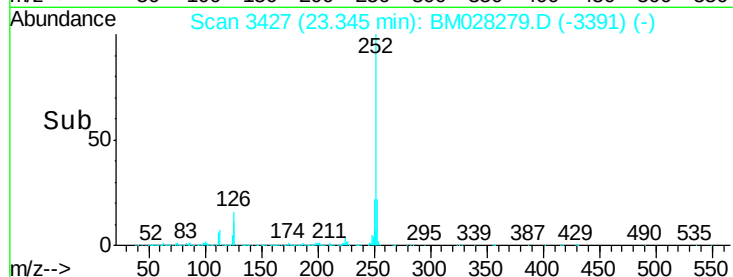
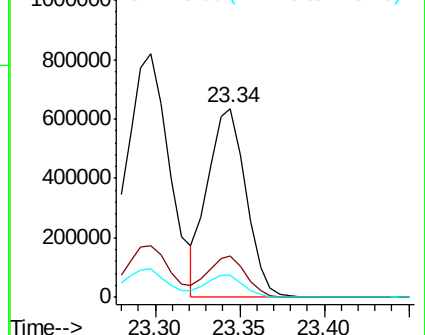
125 11.4 9.3 13.9



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



#96

Benzo(g,h,i)perylene

Concen: 66.193 ng/ul

RT: 27.18 min Scan# 4079

Delta R.T. 0.01 min

Lab File: BM028279.D

Acq: 29 Dec 2020 14:14

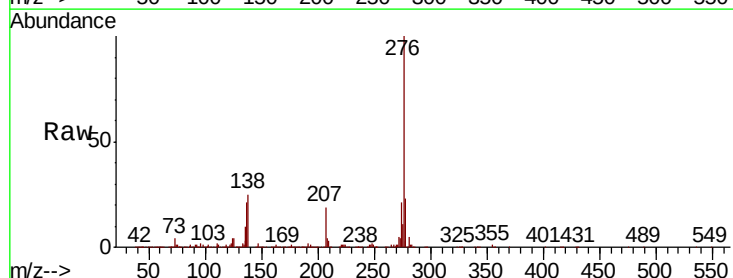
Tgt Ion:276 Resp: 1280957

Ion Ratio Lower Upper

276 100

138 25.1 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

