

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061021\
 Data File : BM030380.D
 Acq On : 10 Jun 2021 18:38
 Operator : CG/JU
 Sample : M2613-21
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 18-B12(114-118)

Quant Time: Jun 11 07:53:18 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 08 20:51:08 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

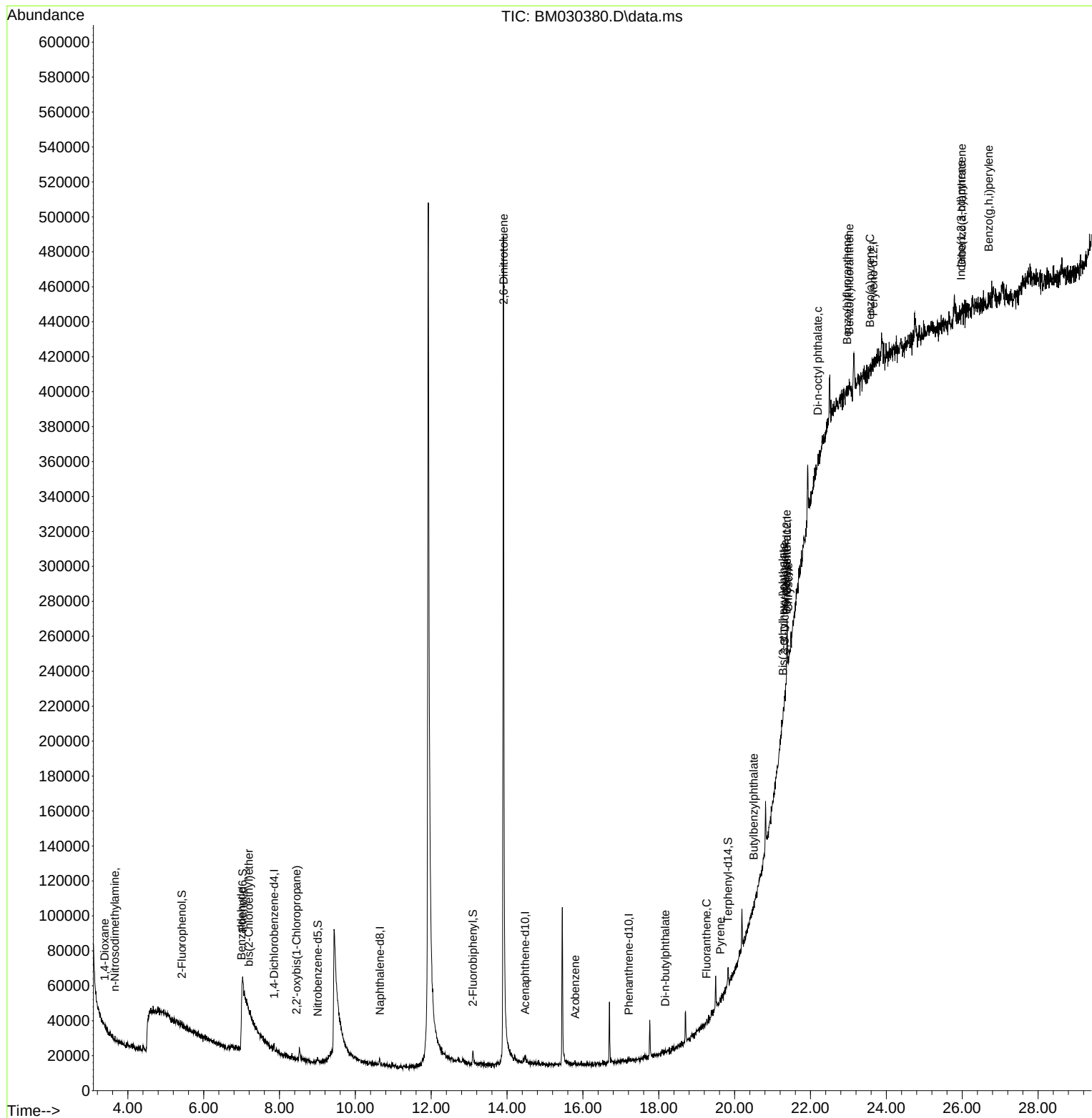
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	1019	20.00	ng	0.00
21) Naphthalene-d8	10.645	136	2785	20.00	ng	# 0.00
39) Acenaphthene-d10	14.474	164	1144	20.00	ng	# 0.00
64) Phenanthrene-d10	17.210	188	1387	20.00	ng	# 0.00
76) Chrysene-d12	21.374	240	2461	20.00	ng	# 0.00
86) Perylene-d12	23.656	264	2281	20.00	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	163	2.60	ng	0.00
7) Phenol-d6	7.028	99	10445	115.11	ng	0.02
23) Nitrobenzene-d5	9.004	82	1764	30.86	ng	0.00
42) 2,4,6-Tribromophenol	0.000	330	0	0.00	ng	
45) 2-Fluorobiphenyl	13.098	172	6912	79.46	ng	0.00
79) Terphenyl-d14	19.827	244	9591	68.45	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.387	88	126	4.65	ng	# 1
4) n-Nitrosodimethylamine	3.663	42	236	6.72	ng	# 13
9) Benzaldehyde	6.998	77	193	5.09	ng	# 31
11) bis(2-Chloroethyl)ether	7.193	93	152	2.10	ng	# 21
16) 2,2'-oxybis(1-Chloropr...	8.445	45	862	7.42	ng	62
51) 2,6-Dinitrotoluene	13.910	165	196	9.77	ng	# 39
63) Azobenzene	15.798	77	224	2.44	ng	# 39
74) Di-n-butylphthalate	18.168	149	177	2.10	ng	# 78
75) Fluoranthene	19.256	202	612	6.18	ng	66
78) Pyrene	19.621	202	767	4.11	ng	# 57
80) Butylbenzylphthalate	20.503	149	722	12.81	ng	# 44
81) Benzo(a)anthracene	21.368	228	1344	7.50	ng	# 72
82) 3,3'-Dichlorobenzidine	21.321	252	278	5.13	ng	# 26
83) Chrysene	21.415	228	2784	15.99	ng	# 90
84) Bis(2-ethylhexyl)phtha...	21.274	149	350	7.02	ng	# 80
85) Di-n-octyl phthalate	22.192	149	105	4.70	ng	# 78
87) Indeno(1,2,3-cd)pyrene	25.968	276	349	2.01	ng	# 81
88) Benzo(b)fluoranthene	22.962	252	2116	12.26	ng	# 1
89) Benzo(k)fluoranthene	23.021	252	1009	5.98	ng	# 1
90) Benzo(a)pyrene	23.574	252	1113	7.29	ng	# 1
91) Dibenzo(a,h)anthracene	25.991	278	337	2.25	ng	# 1
92) Benzo(g,h,i)perylene	26.697	276	1021	7.18	ng	# 55

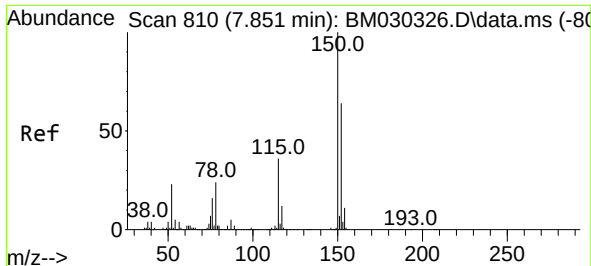
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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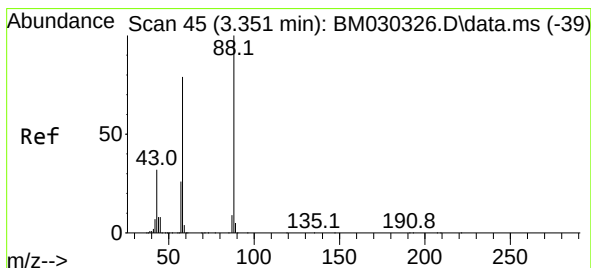
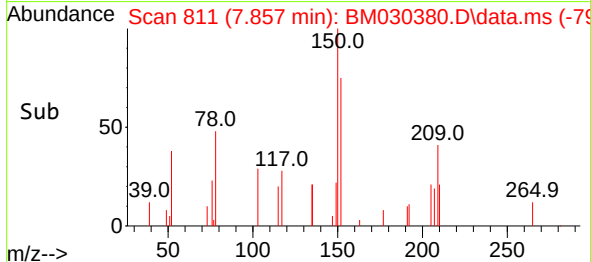
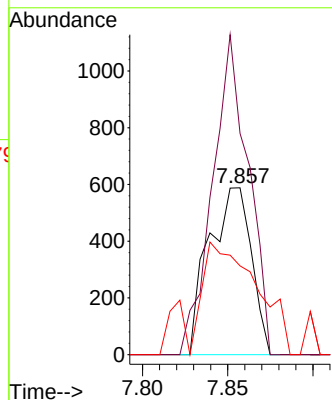
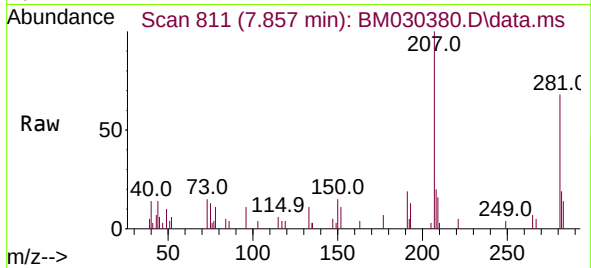




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.857 min Scan# 811
Delta R.T. 0.006 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

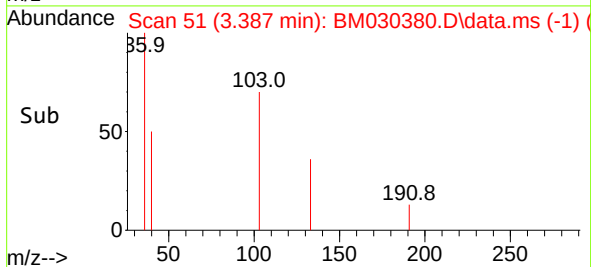
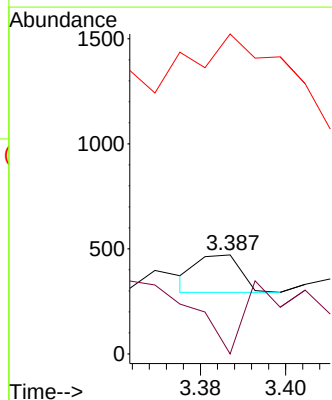
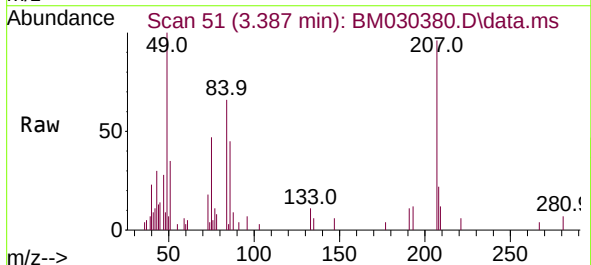
Instrument :
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ClientSampleId :
18-B12(114-118)

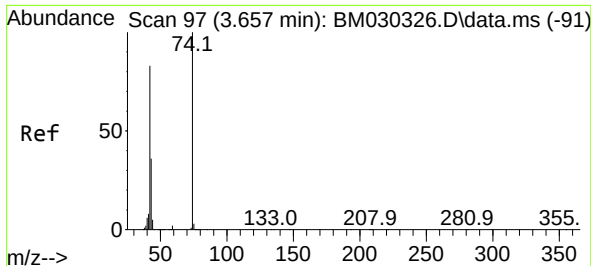
Tgt Ion:152 Resp: 1019
Ion Ratio Lower Upper
152 100
150 132.7 125.9 188.9
115 53.2 44.6 67.0



#2
1,4-Dioxane
Concen: 4.65 ng
RT: 3.387 min Scan# 51
Delta R.T. 0.035 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

Tgt Ion: 88 Resp: 126
Ion Ratio Lower Upper
88 100
58 297.6 53.6 80.4#
43 1749.2 25.8 38.6#

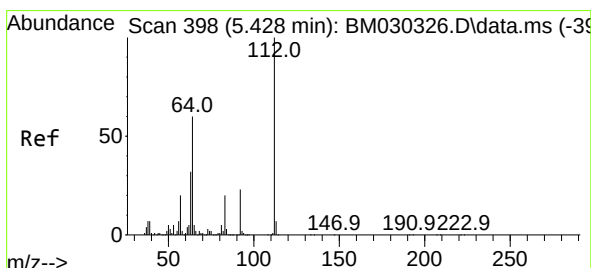
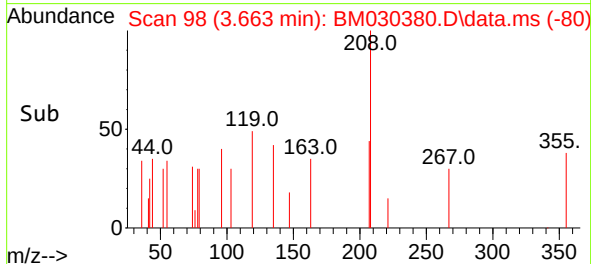
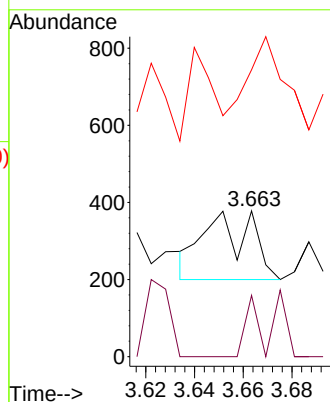
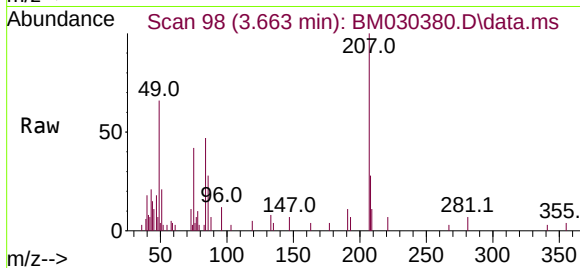




#4
n-Nitrosodimethylamine
Concen: 6.72 ng
RT: 3.663 min Scan# 98
Delta R.T. 0.006 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

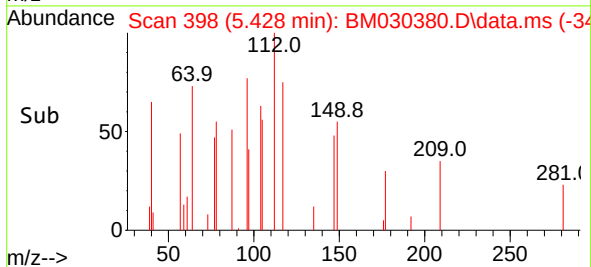
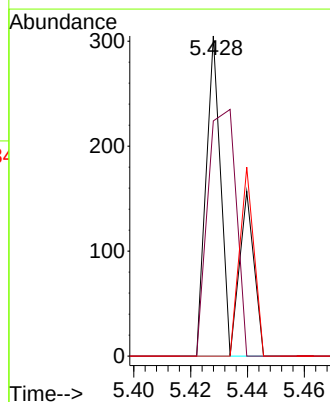
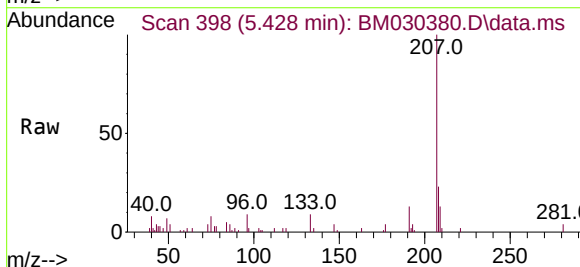
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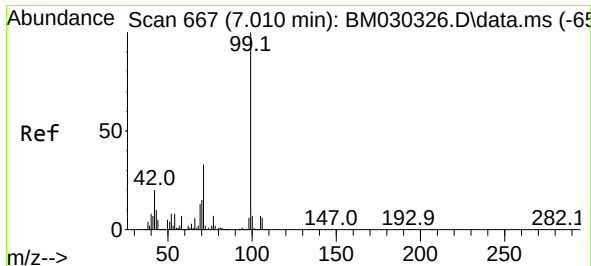
Tgt Ion: 42 Resp: 236
Ion Ratio Lower Upper
42 100
74 42.1 84.1 126.1#
44 196.8 4.5 6.7#



#5
2-Fluorophenol
Concen: 2.60 ng
RT: 5.428 min Scan# 398
Delta R.T. 0.000 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

Tgt Ion: 112 Resp: 163
Ion Ratio Lower Upper
112 100
64 73.4 47.1 70.7#
63 0.0 27.3 40.9#

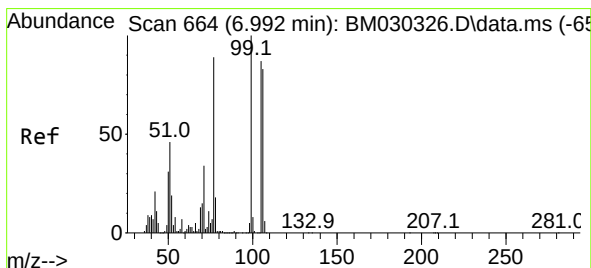
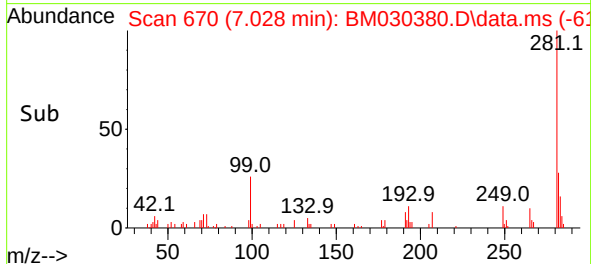
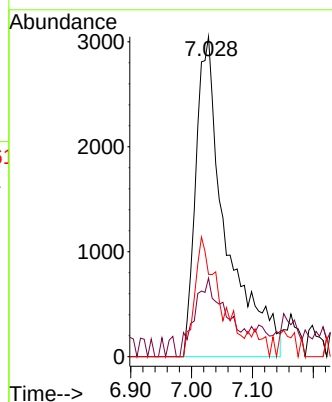
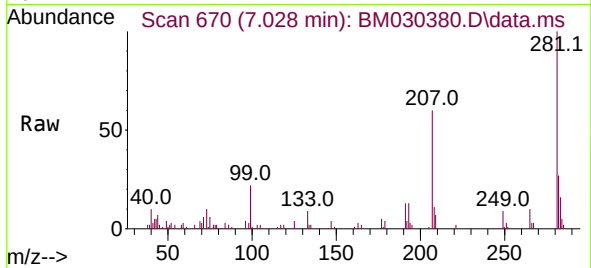




#7
Phenol-d6
Concen: 115.11 ng
RT: 7.028 min Scan# 670
Delta R.T. 0.018 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

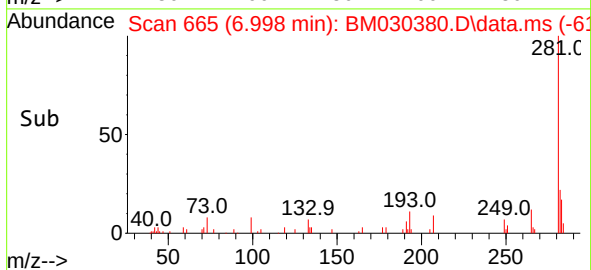
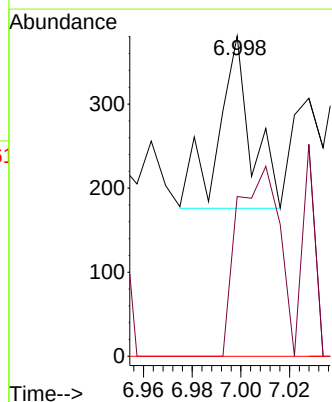
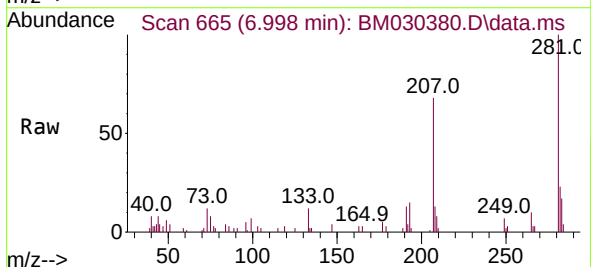
Instrument :
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ClientSampleId :
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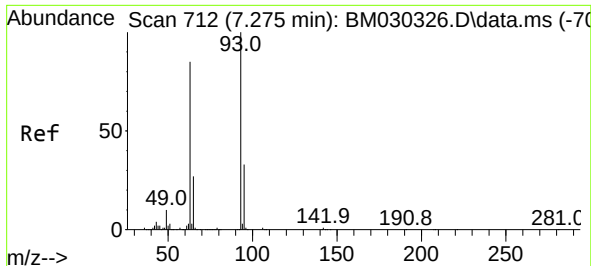
Tgt Ion: 99 Resp: 10445
Ion Ratio Lower Upper
99 100
42 24.6 18.0 27.0
71 25.7 30.9 46.3#



#9
Benzaldehyde
Concen: 5.09 ng
RT: 6.998 min Scan# 665
Delta R.T. 0.006 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

Tgt Ion: 77 Resp: 193
Ion Ratio Lower Upper
77 100
105 49.9 71.2 111.2#
106 0.0 68.6 108.6#

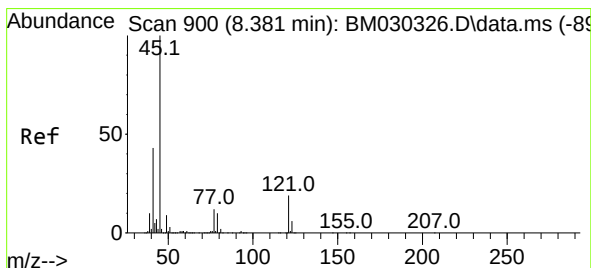
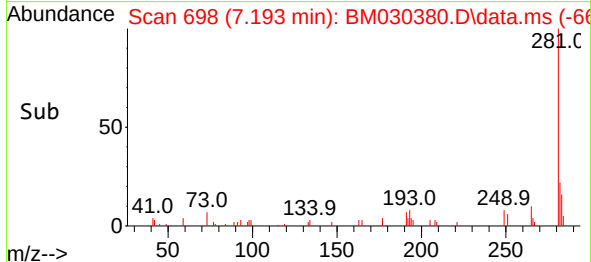
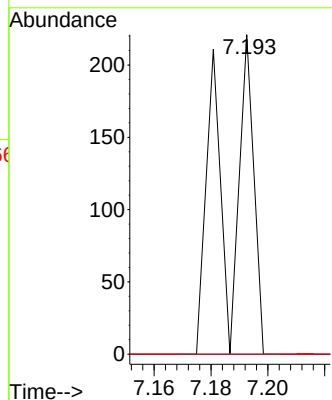
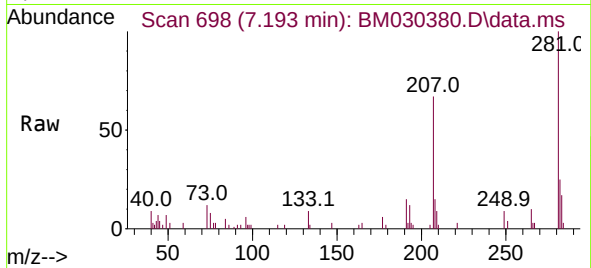




#11
bis(2-Chloroethyl)ether
Concen: 2.10 ng
RT: 7.193 min Scan# 698
Delta R.T. -0.082 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

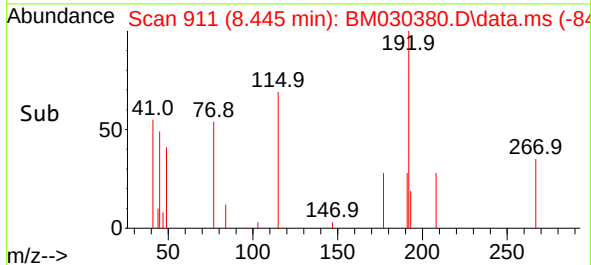
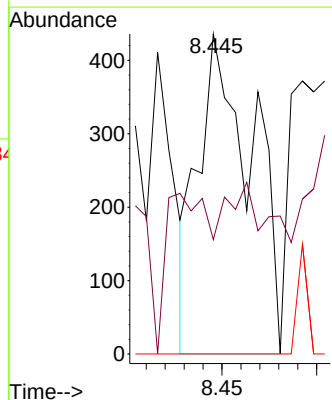
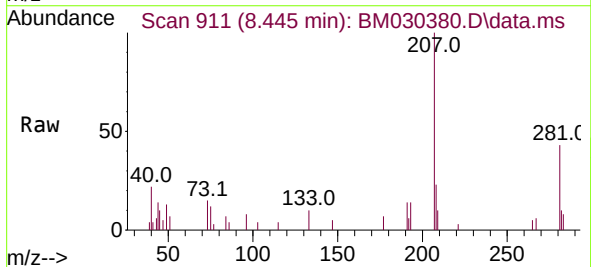
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ClientSampleId :
18-B12(114-118)

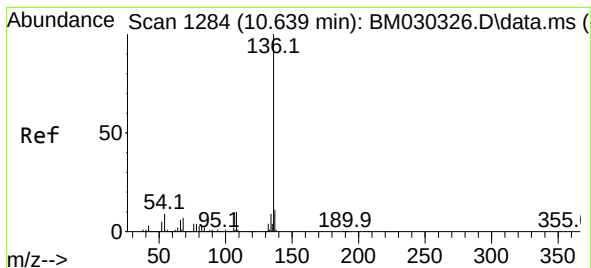
Tgt Ion: 93 Resp: 152
Ion Ratio Lower Upper
93 100
63 0.0 54.3 94.3#
95 0.0 12.7 52.7#



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.42 ng
RT: 8.445 min Scan# 911
Delta R.T. 0.065 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

Tgt Ion: 45 Resp: 862
Ion Ratio Lower Upper
45 100
77 35.8 0.0 38.0
79 0.0 0.0 34.1

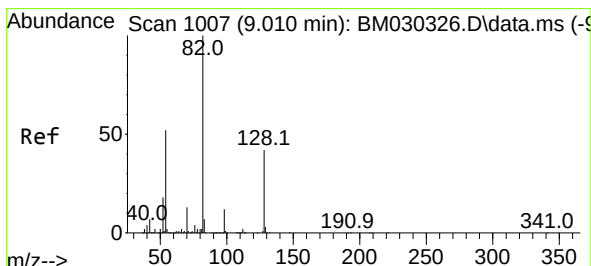
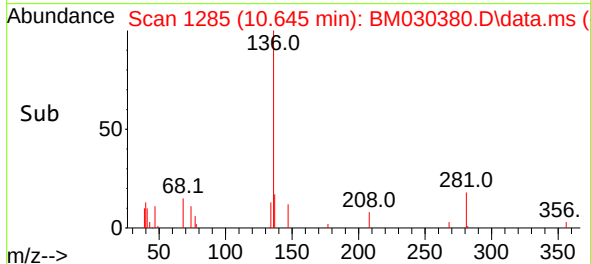
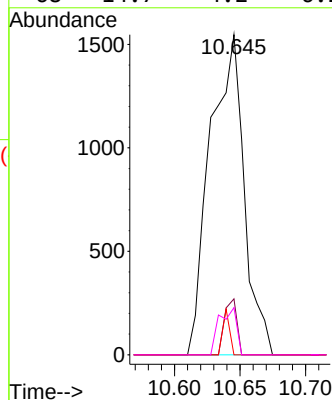
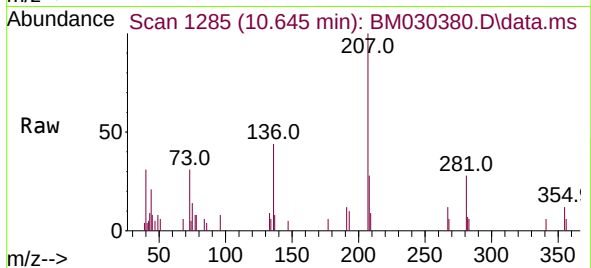




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.645 min Scan# 1285
Delta R.T. 0.006 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

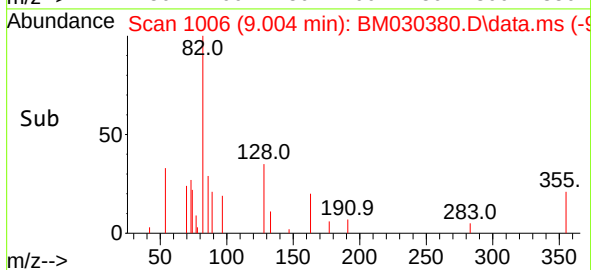
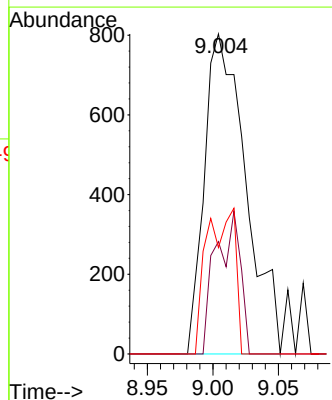
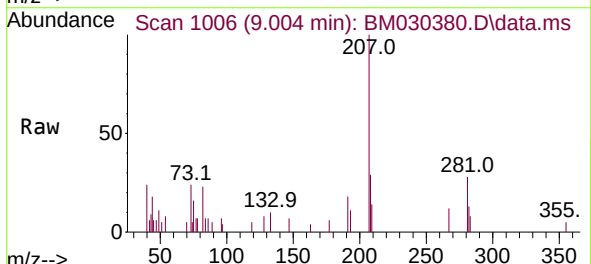
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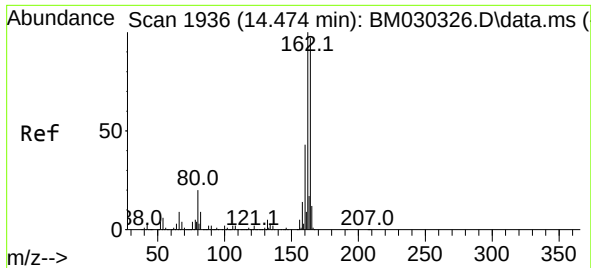
Tgt Ion:136 Resp: 2785
Ion Ratio Lower Upper
136 100
137 17.5 8.4 12.6#
54 0.0 5.5 8.3#
68 14.7 4.2 6.2#



#23
Nitrobenzene-d5
Concen: 30.86 ng
RT: 9.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

Tgt Ion: 82 Resp: 1764
Ion Ratio Lower Upper
82 100
128 35.1 31.1 46.7
54 33.3 37.3 55.9#

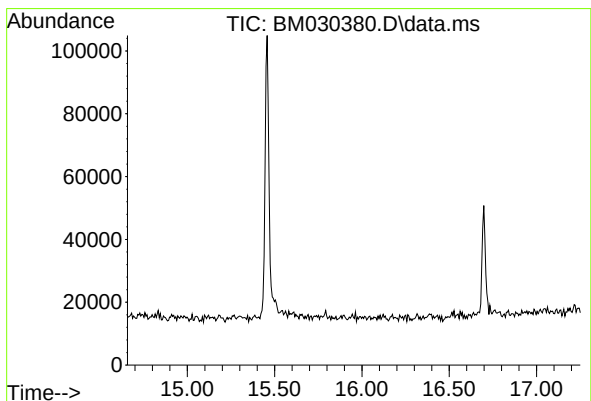
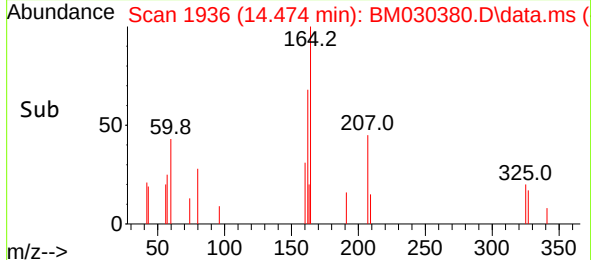
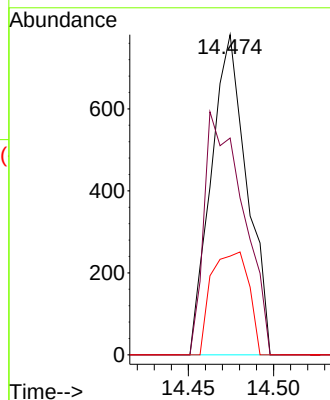
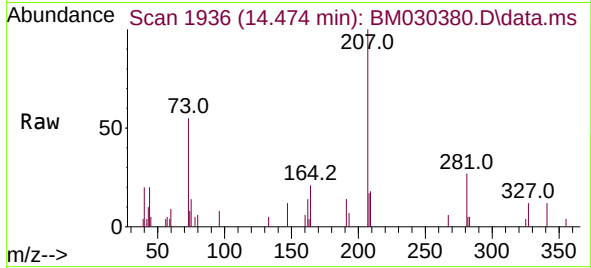




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.474 min Scan# 1936
Delta R.T. 0.000 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

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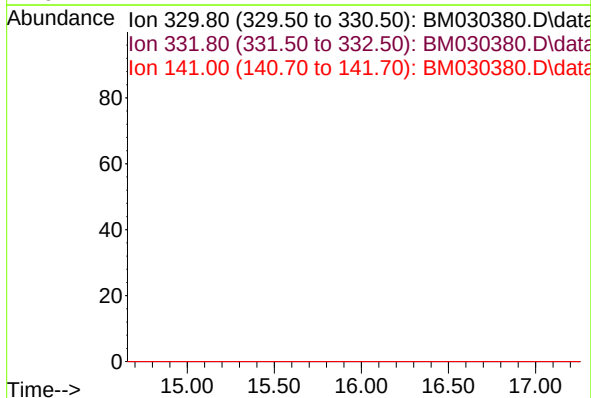
Tgt Ion:164 Resp: 1144
Ion Ratio Lower Upper
164 100
162 67.7 83.4 125.0#
160 30.9 37.2 55.8#

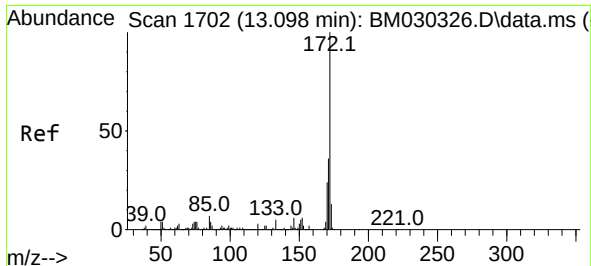


#42
2,4,6-Tribromophenol
Concen: 0.00 ng
Expected RT: 15.96 min

Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

Tgt Ion: 330
Sig Exp Ratio
330 100
332 96.2
141 37.7

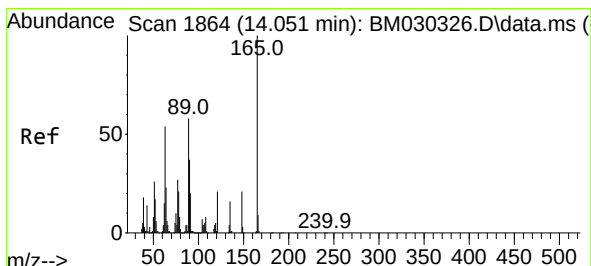
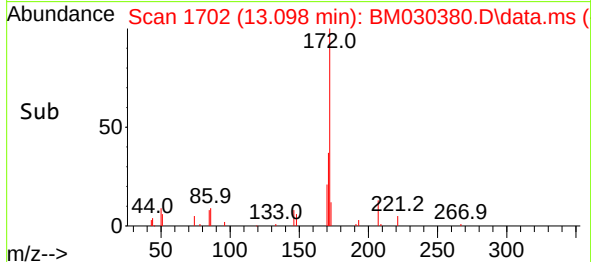
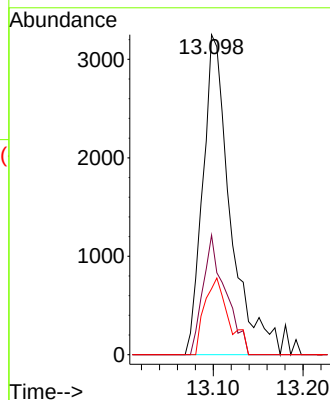
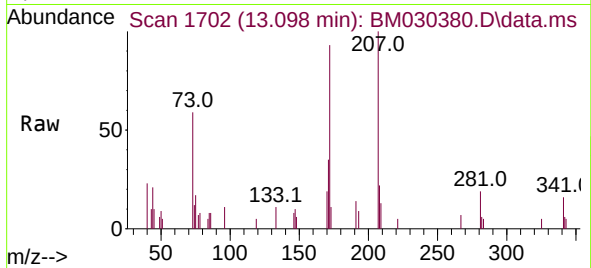




#45
2-Fluorobiphenyl
Concen: 79.46 ng
RT: 13.098 min Scan# 1702
Delta R.T. 0.000 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

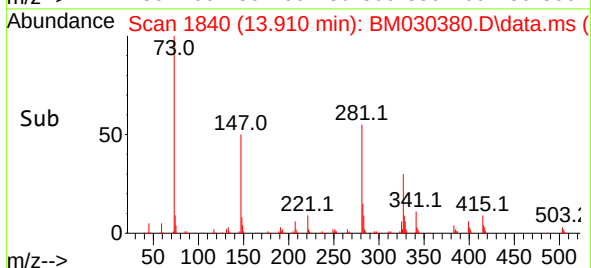
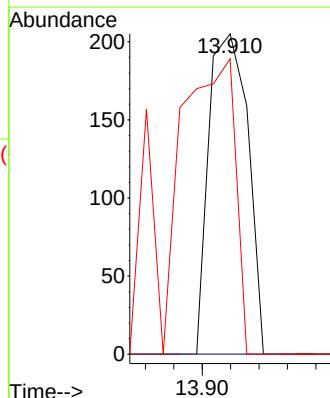
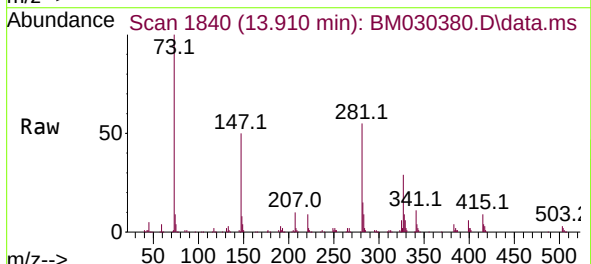
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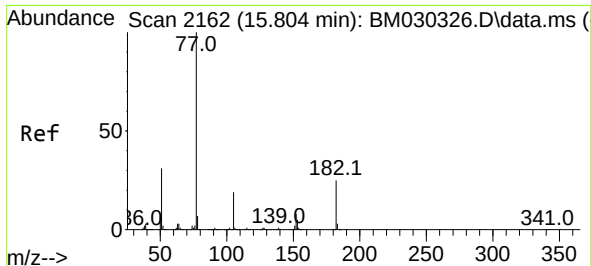
Tgt Ion:	172	Resp:	6912
Ion Ratio	Lower	Upper	
172	100		
171	37.3	28.6	43.0
170	20.6	18.4	27.6



#51
2,6-Dinitrotoluene
Concen: 9.77 ng
RT: 13.910 min Scan# 1840
Delta R.T. -0.141 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

Tgt Ion:	165	Resp:	196
Ion Ratio	Lower	Upper	
165	100		
63	0.0	45.3	67.9#
89	92.2	46.3	69.5#

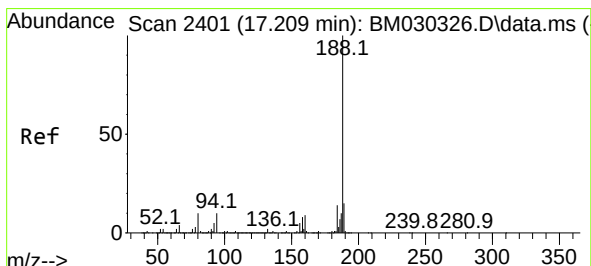
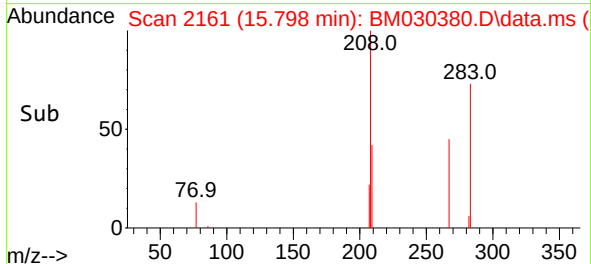
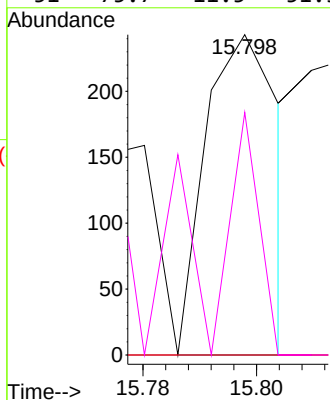
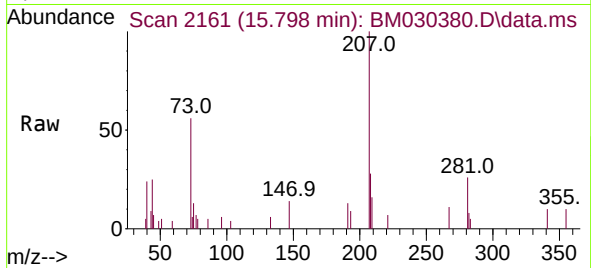




#63
Azobenzene
Concen: 2.44 ng
RT: 15.798 min Scan# 2161
Delta R.T. -0.006 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

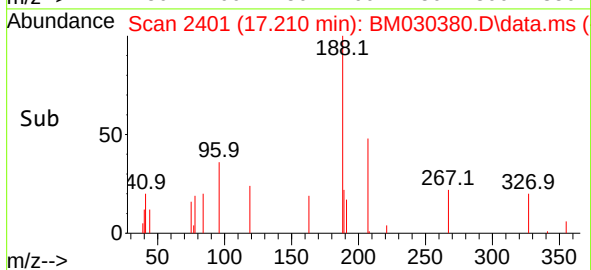
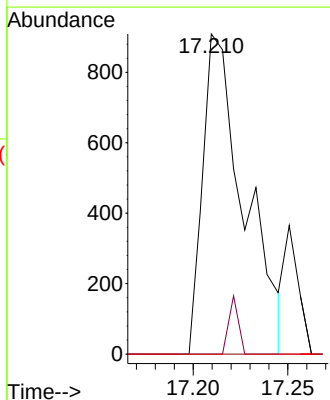
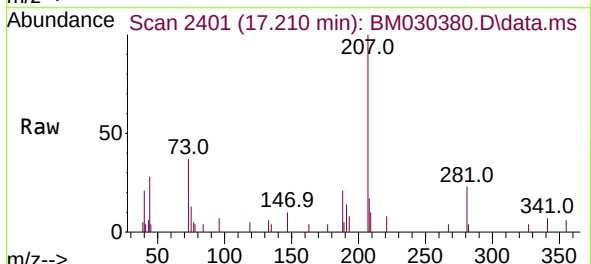
Instrument :
BNA_M
ClientSampleId :
18-B12(114-118)

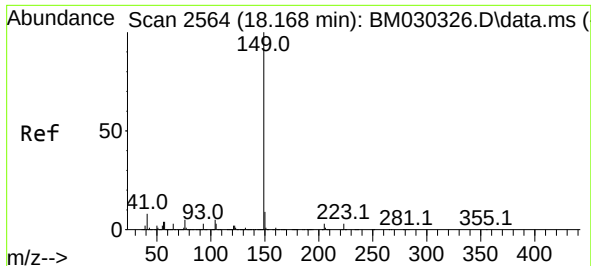
Tgt Ion: 77	Resp:	224
Ion Ratio	Lower	Upper
77	100	
182	0.0	6.8
105	0.0	0.0
51	75.7	11.5



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.210 min Scan# 2401
Delta R.T. 0.001 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

Tgt Ion: 188	Resp:	1387
Ion Ratio	Lower	Upper
188	100	
94	0.0	6.0
80	0.0	6.6

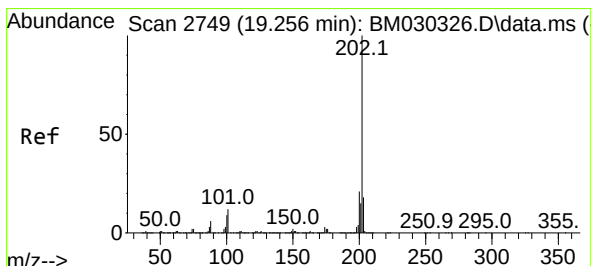
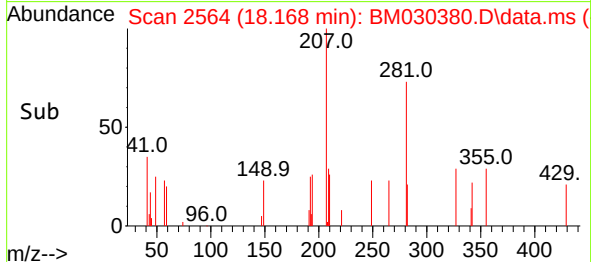
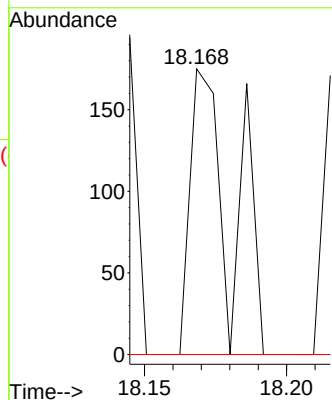
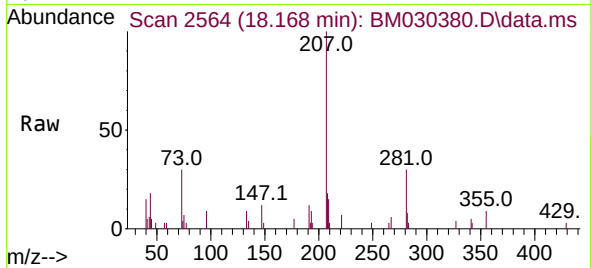




#74
Di-n-butylphthalate
Concen: 2.10 ng
RT: 18.168 min Scan# 2564
Delta R.T. 0.000 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

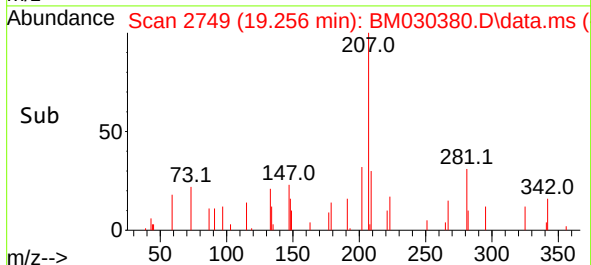
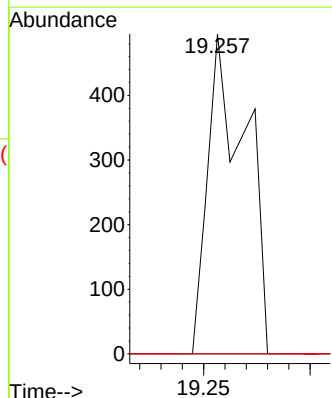
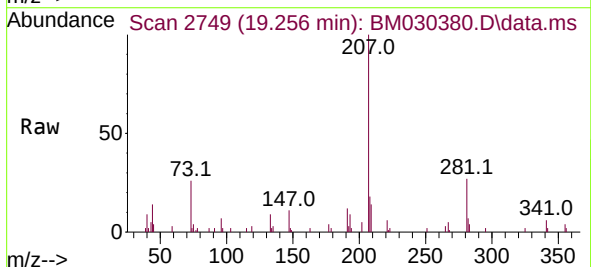
Instrument :
BNA_M
ClientSampleId :
18-B12(114-118)

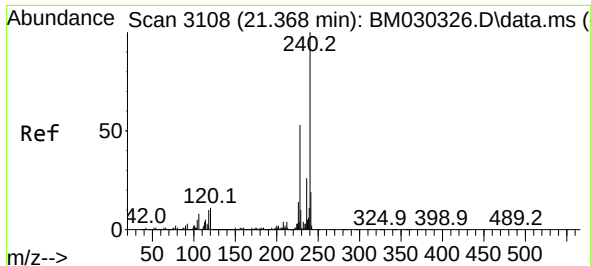
Tgt Ion:149 Resp: 177
Ion Ratio Lower Upper
149 100
150 0.0 7.2 10.8#
104 0.0 4.3 6.5#



#75
Fluoranthene
Concen: 6.18 ng
RT: 19.256 min Scan# 2749
Delta R.T. 0.000 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

Tgt Ion:202 Resp: 612
Ion Ratio Lower Upper
202 100
101 0.0 0.0 28.6
203 0.0 0.0 37.3

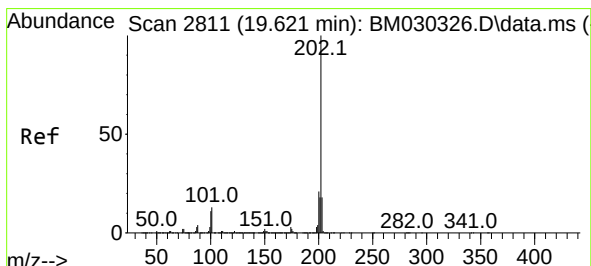
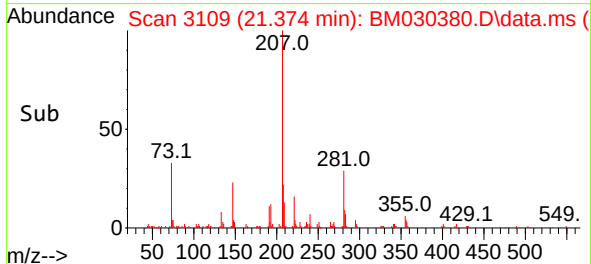
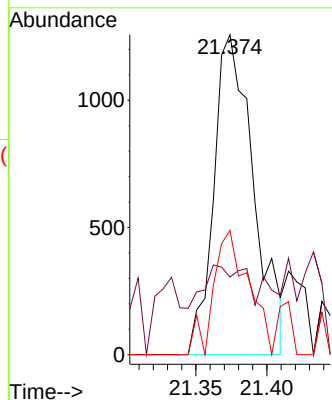
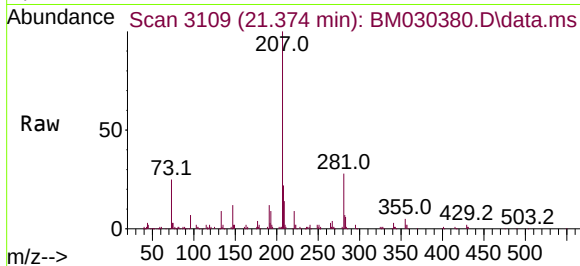




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.374 min Scan# 3109
Delta R.T. 0.006 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

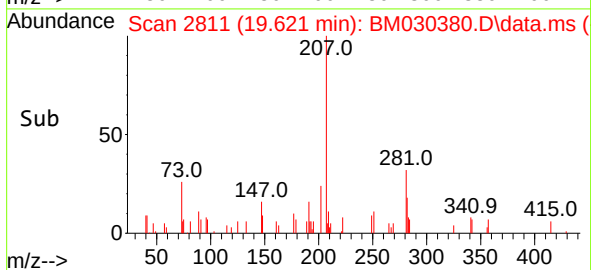
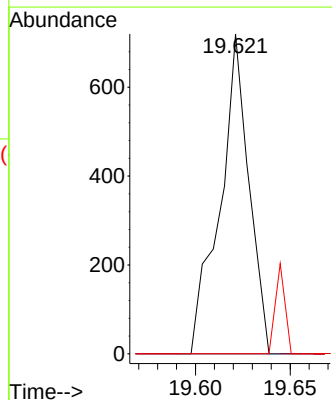
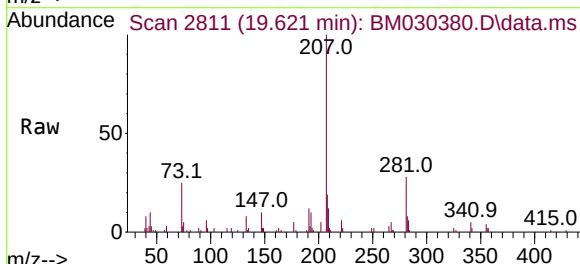
Instrument :
BNA_M
ClientSampleId :
18-B12(114-118)

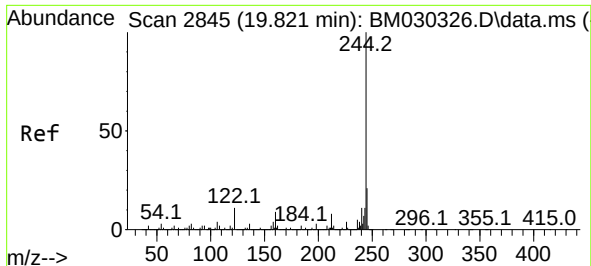
Tgt Ion:240 Resp: 2461
Ion Ratio Lower Upper
240 100
120 24.2 7.0 10.6#
236 38.8 21.0 31.4#



#78
Pyrene
Concen: 4.11 ng
RT: 19.621 min Scan# 2811
Delta R.T. 0.000 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

Tgt Ion:202 Resp: 767
Ion Ratio Lower Upper
202 100
200 0.0 17.3 25.9#
203 0.0 13.9 20.9#

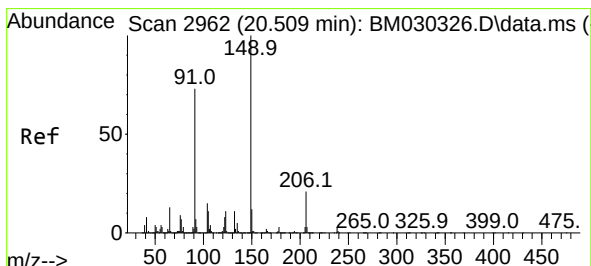
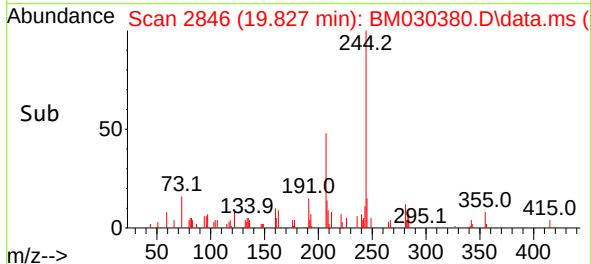
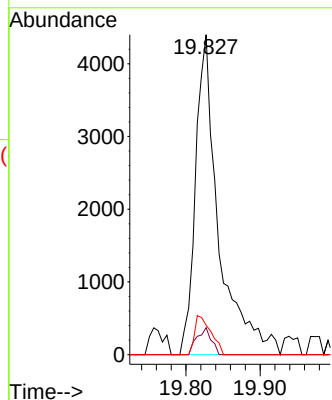
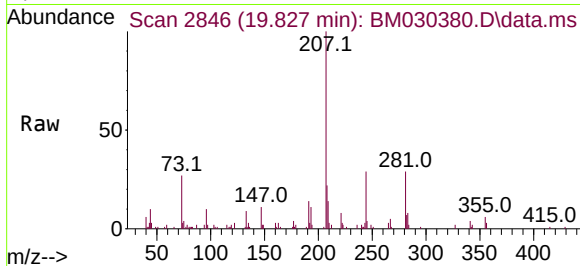




#79
 Terphenyl-d14
 Concen: 68.45 ng
 RT: 19.827 min Scan# 2846
 Delta R.T. 0.006 min
 Lab File: BM030380.D
 Acq: 10 Jun 2021 18:38

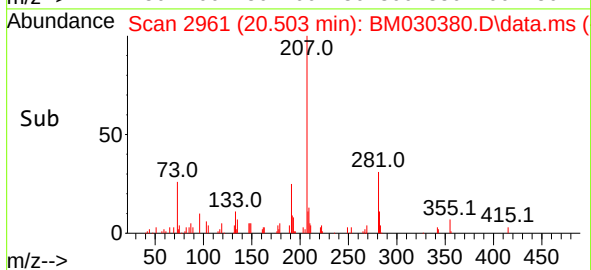
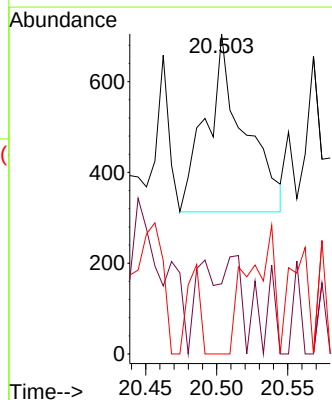
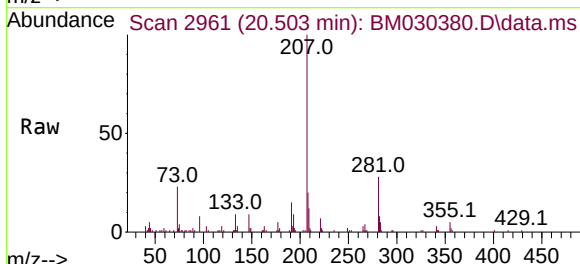
Instrument :
 BNA_M
 ClientSampleId :
 18-B12(114-118)

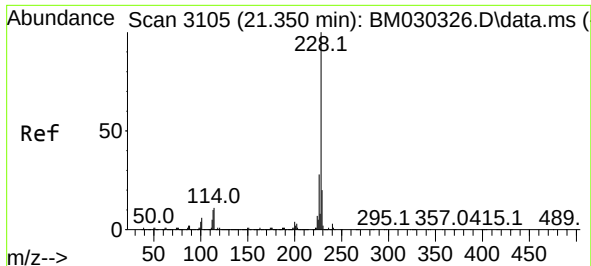
Tgt Ion:244	Resp:	9591
Ion Ratio	Lower	Upper
244	100	
212	8.4	6.3 9.5
122	9.2	6.9 10.3



#80
 Butylbenzylphthalate
 Concen: 12.81 ng
 RT: 20.503 min Scan# 2961
 Delta R.T. -0.006 min
 Lab File: BM030380.D
 Acq: 10 Jun 2021 18:38

Tgt Ion:149	Resp:	722
Ion Ratio	Lower	Upper
149	100	
91	22.0	57.4 86.0#
206	0.0	16.6 25.0#

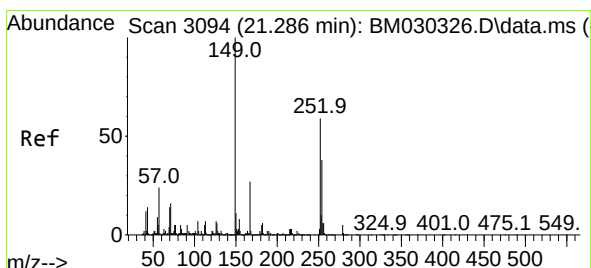
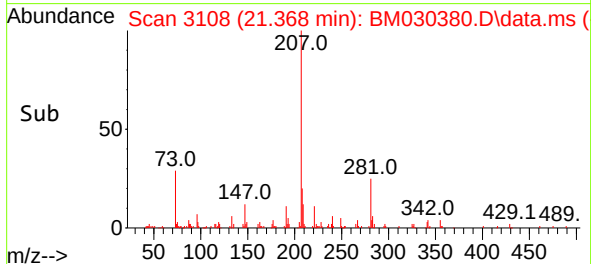
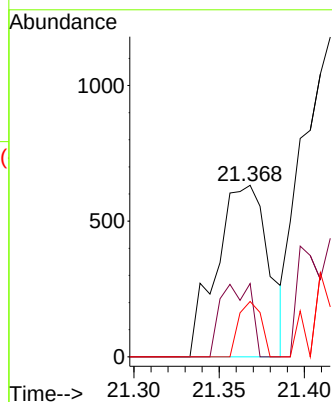
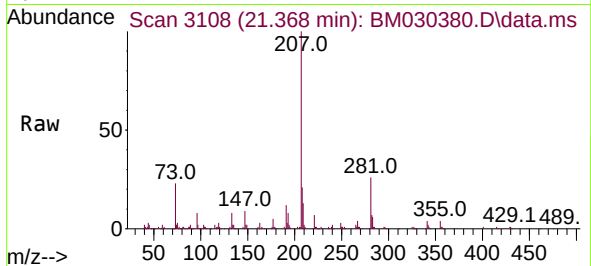




#81
Benzo(a)anthracene
Concen: 7.50 ng
RT: 21.368 min Scan# 3108
Delta R.T. 0.018 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

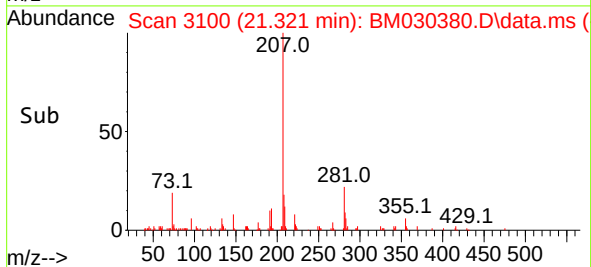
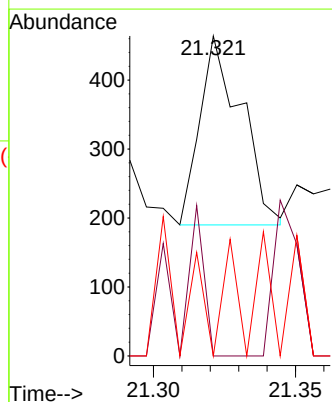
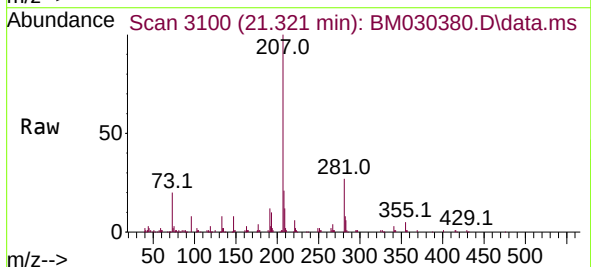
Instrument :
BNA_M
ClientSampleId :
18-B12(114-118)

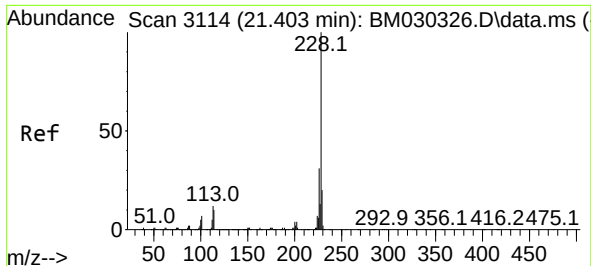
Tgt Ion:228 Resp: 1344
Ion Ratio Lower Upper
228 100
226 42.7 22.3 33.5#
229 32.3 15.7 23.5#



#82
3,3'-Dichlorobenzidine
Concen: 5.13 ng
RT: 21.321 min Scan# 3100
Delta R.T. 0.035 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

Tgt Ion:252 Resp: 278
Ion Ratio Lower Upper
252 100
254 0.0 51.5 77.3#
126 0.0 8.6 13.0#

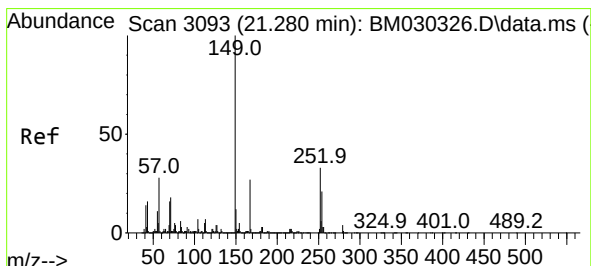
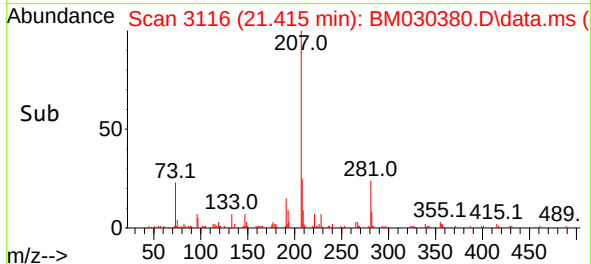
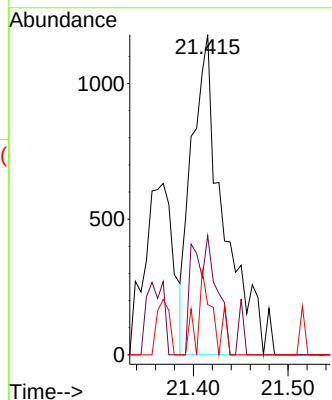
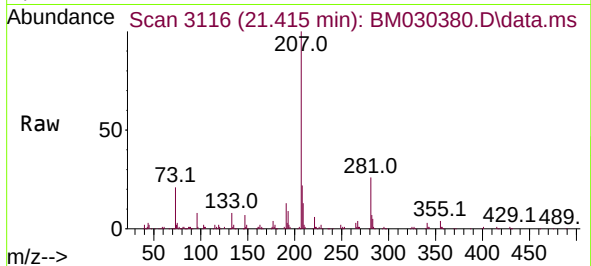




#83
Chrysene
Concen: 15.99 ng
RT: 21.415 min Scan# 3116
Delta R.T. 0.012 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

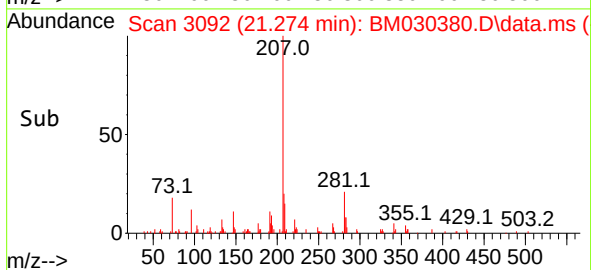
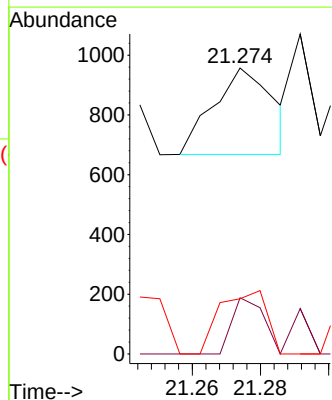
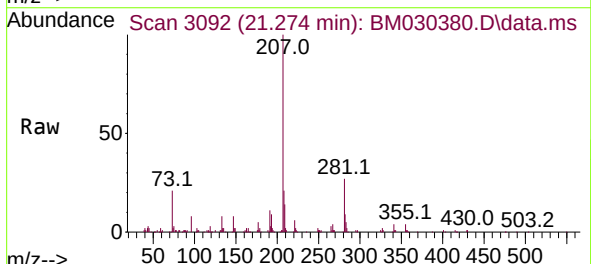
Instrument :
BNA_M
ClientSampleId :
18-B12(114-118)

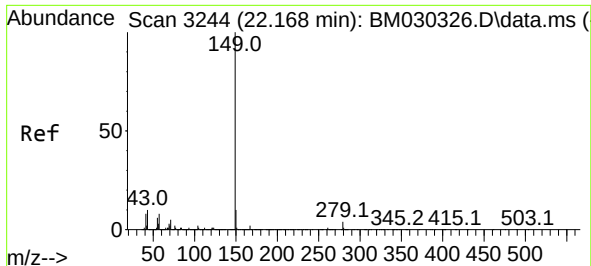
Tgt Ion:228 Resp: 2784
Ion Ratio Lower Upper
228 100
226 37.2 24.6 36.8#
229 15.7 15.5 23.3



#84
Bis(2-ethylhexyl)phthalate
Concen: 7.02 ng
RT: 21.274 min Scan# 3092
Delta R.T. -0.006 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

Tgt Ion:149 Resp: 350
Ion Ratio Lower Upper
149 100
167 19.6 22.6 33.8#
279 19.3 3.8 5.8#

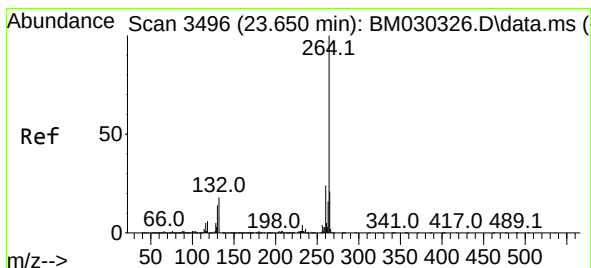
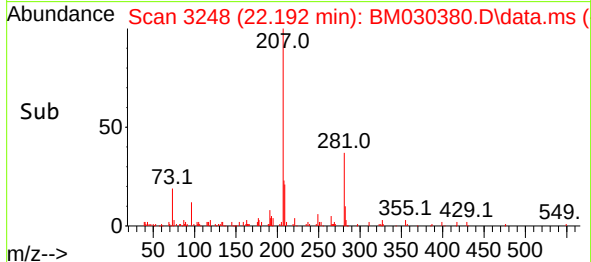
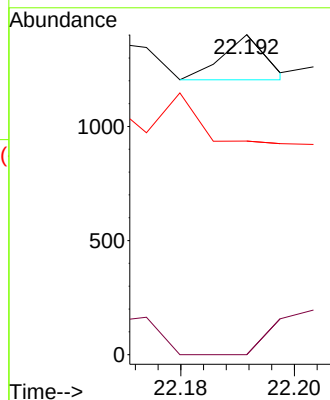
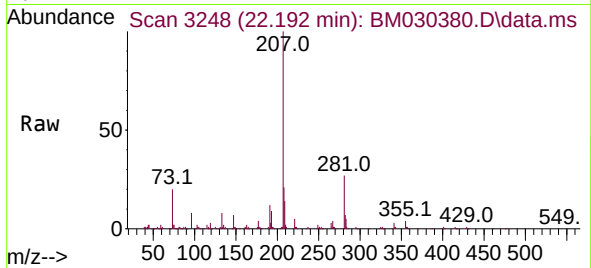




#85
Di-n-octyl phthalate
Concen: 4.70 ng
RT: 22.192 min Scan# 3248
Delta R.T. 0.024 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

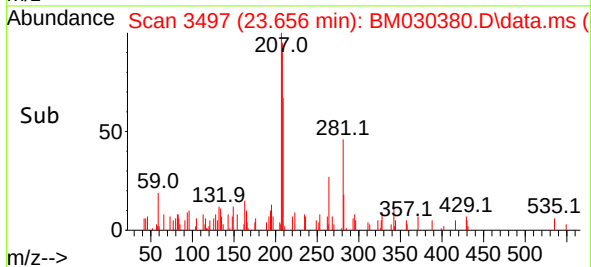
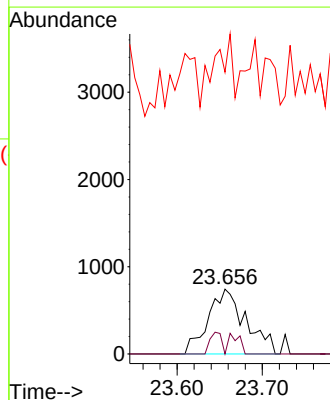
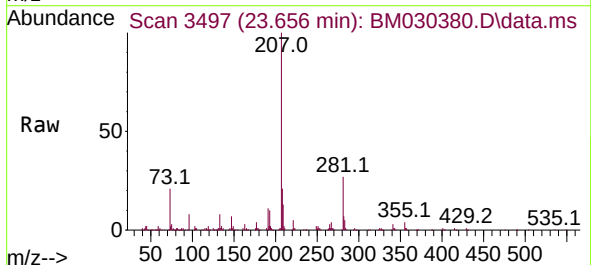
Instrument :
BNA_M
ClientSampleId :
18-B12(114-118)

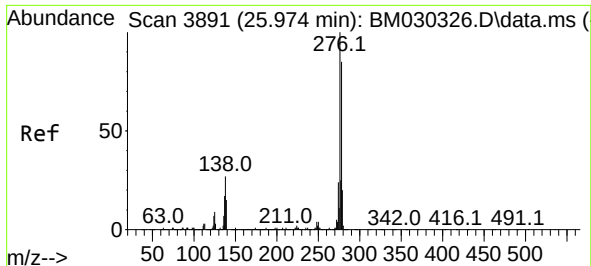
Tgt Ion:149 Resp: 105
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 0.0 7.4 11.0#



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.656 min Scan# 3497
Delta R.T. 0.006 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

Tgt Ion:264 Resp: 2281
Ion Ratio Lower Upper
264 100
260 0.0 19.8 29.8#
265 434.7 17.7 26.5#

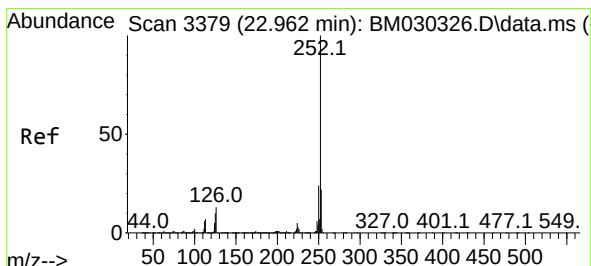
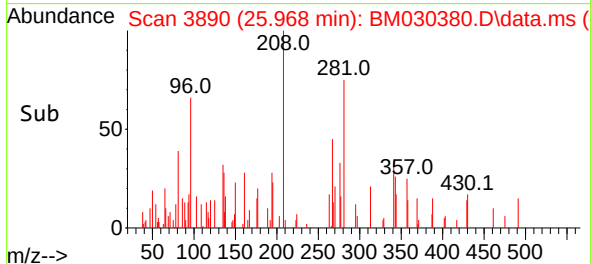
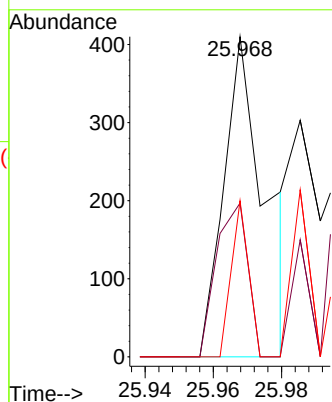
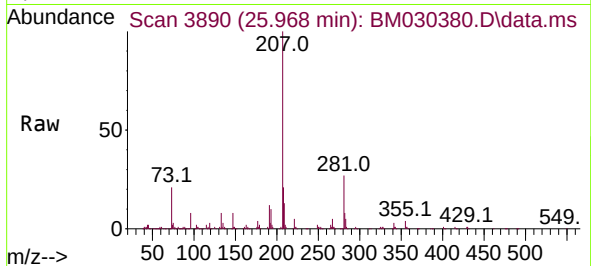




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.01 ng
RT: 25.968 min Scan# 3890
Delta R.T. -0.006 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

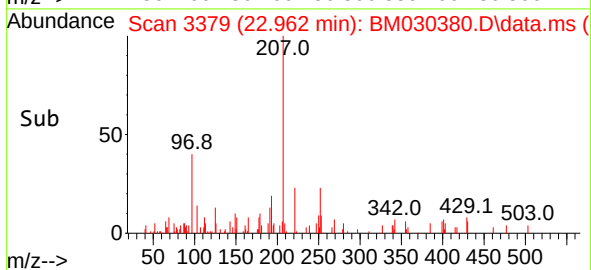
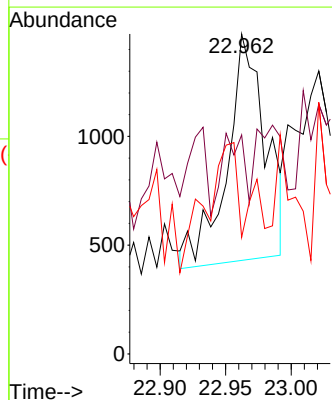
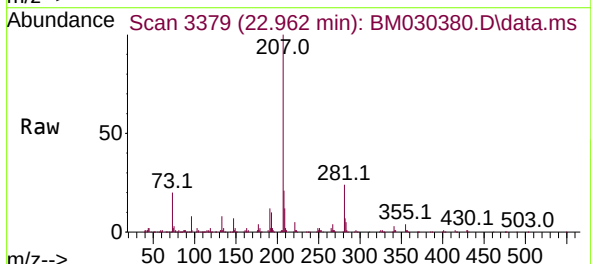
Instrument :
BNA_M
ClientSampleId :
18-B12(114-118)

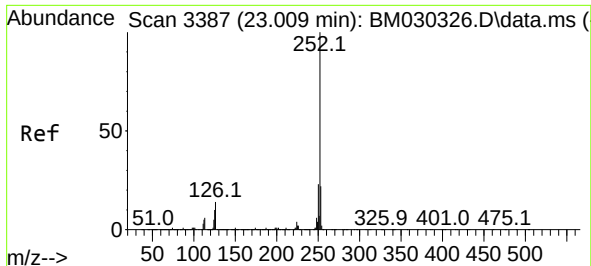
Tgt Ion:276 Resp: 349
Ion Ratio Lower Upper
276 100
138 35.8 17.1 25.7#
277 20.3 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 12.26 ng
RT: 22.962 min Scan# 3379
Delta R.T. 0.000 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

Tgt Ion:252 Resp: 2116
Ion Ratio Lower Upper
252 100
253 68.5 17.4 26.0#
125 66.5 6.8 10.2#

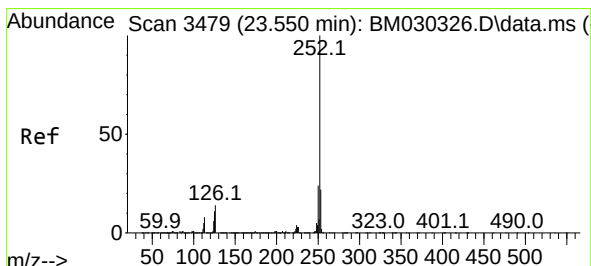
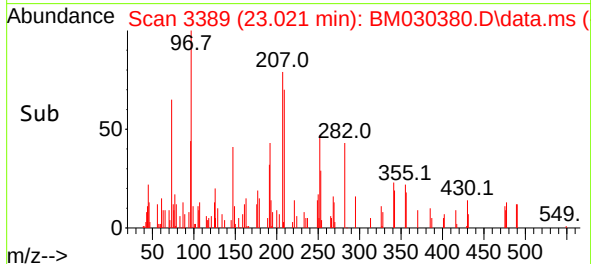
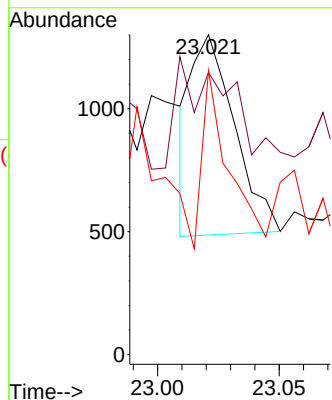
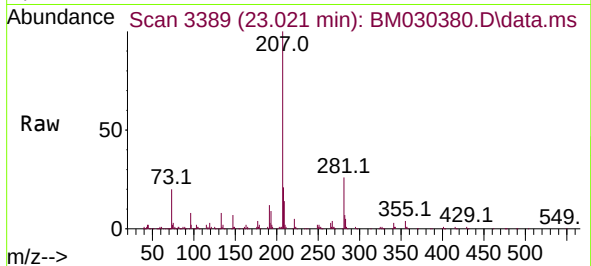




#89
Benzo(k)fluoranthene
Concen: 5.98 ng
RT: 23.021 min Scan# 3389
Delta R.T. 0.012 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

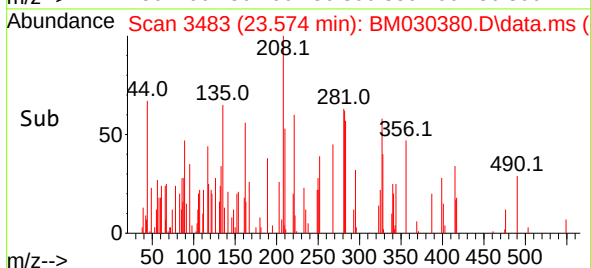
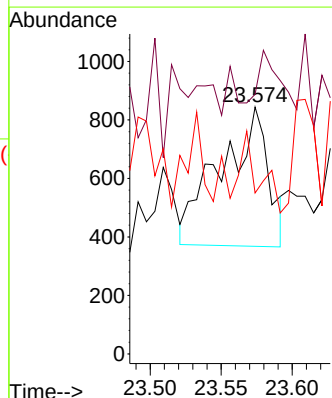
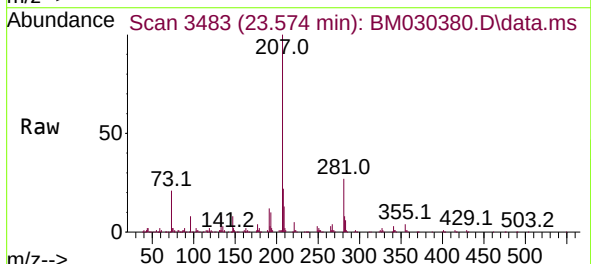
Instrument :
BNA_M
ClientSampleId :
18-B12(114-118)

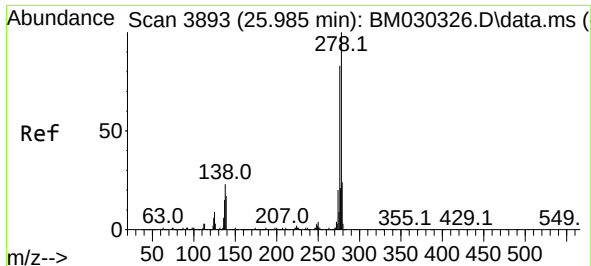
Tgt Ion:252 Resp: 1009
Ion Ratio Lower Upper
252 100
253 88.2 17.4 26.2#
125 88.9 6.2 9.2#



#90
Benzo(a)pyrene
Concen: 7.29 ng
RT: 23.574 min Scan# 3483
Delta R.T. 0.024 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

Tgt Ion:252 Resp: 1113
Ion Ratio Lower Upper
252 100
253 105.2 17.7 26.5#
125 65.2 7.3 10.9#

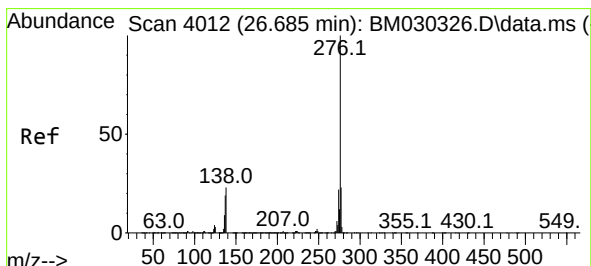
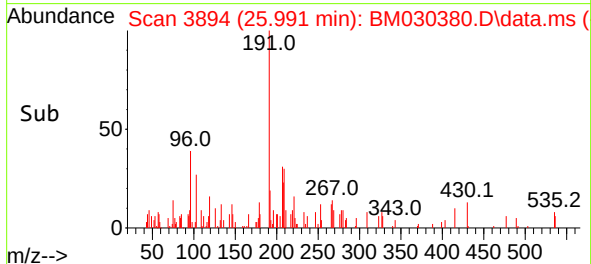
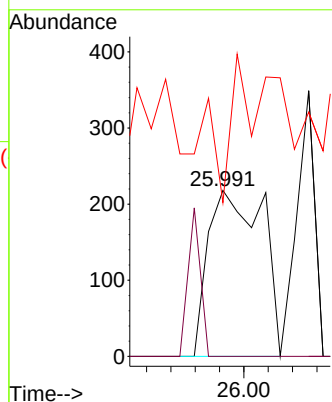
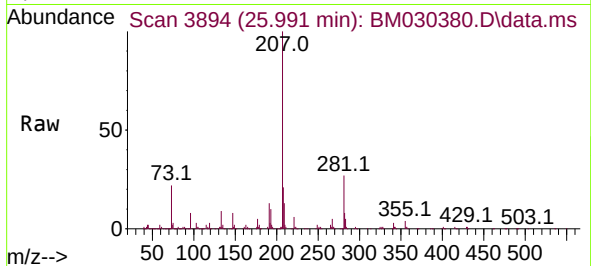




#91
Dibenzo(a,h)anthracene
Concen: 2.25 ng
RT: 25.991 min Scan# 3894
Delta R.T. 0.006 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

Instrument :
BNA_M
ClientSampleId :
18-B12(114-118)

Tgt Ion:278 Resp: 337
Ion Ratio Lower Upper
278 100
139 0.0 11.0 16.4#
279 92.7 18.7 28.1#



#92
Benzo(g,h,i)perylene
Concen: 7.18 ng
RT: 26.697 min Scan# 4014
Delta R.T. 0.012 min
Lab File: BM030380.D
Acq: 10 Jun 2021 18:38

Tgt Ion:276 Resp: 1021
Ion Ratio Lower Upper
276 100
277 0.0 19.4 29.2#
138 0.0 14.4 21.6#

