

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052622\
 Data File : BM035281.D
 Acq On : 26 May 2022 23:06
 Operator : CG/JU
 Sample : N3033-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TW-16

Quant Time: May 27 03:36:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM052622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 26 18:41:37 2022
 Response via : Initial Calibration

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

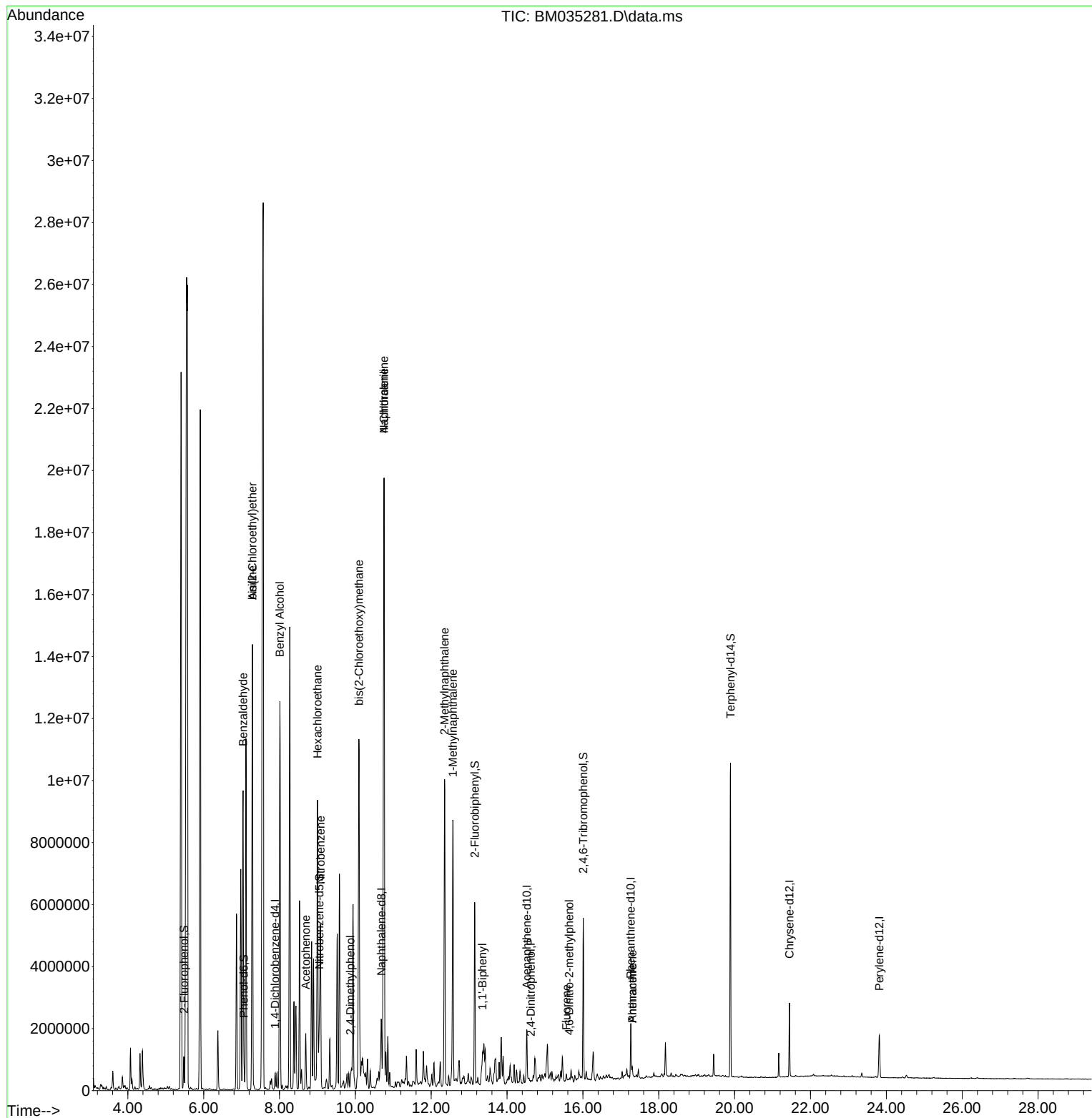
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.886	152	143873	20.000	ng	0.00
21) Naphthalene-d8	10.686	136	614962	20.000	ng	0.00
39) Acenaphthene-d10	14.515	164	470073	20.000	ng	# 0.00
64) Phenanthrene-d10	17.262	188	1011316	20.000	ng	0.00
76) Chrysene-d12	21.444	240	1095417	20.000	ng	# 0.00
86) Perylene-d12	23.815	264	1046529	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	447799	60.154	ng	0.02
7) Phenol-d6	7.063	99	364603	35.277	ng	0.00
23) Nitrobenzene-d5	9.051	82	1077073	100.963	ng	0.00
42) 2,4,6-Tribromophenol	16.009	330	1005053	130.747	ng	0.00
45) 2-Fluorobiphenyl	13.145	172	3055445	92.352	ng	0.00
79) Terphenyl-d14	19.892	244	5057942	90.423	ng	0.00
Target Compounds						
						Qvalue
6) Aniline	7.287	93	48406	4.307	ng	# 1
9) Benzaldehyde	7.039	77	700914	151.699	ng	# 1
11) bis(2-Chloroethyl)ether	7.287	93	48406	6.222	ng	# 1
15) Benzyl Alcohol	8.010	79	670130	86.157	ng	# 11
18) Hexachloroethane	8.998	117	1178400	334.044	ng	# 1
22) Acetophenone	8.692	105	1196712	82.919	ng	# 55
24) Nitrobenzene	9.081	77	166333	17.091	ng	# 4
27) 2,4-Dimethylphenol	9.869	122	53842	7.078	ng	97
28) bis(2-Chloroethoxy)met...	10.098	93	38388	3.314	ng	# 63
31) Naphthalene	10.757	128	17966176	594.170	ng	# 93
33) 4-Chloroaniline	10.757	127	2631743	205.264	ng	# 34
37) 2-Methylnaphthalene	12.351	142	4873558	214.677	ng	99
38) 1-Methylnaphthalene	12.574	142	4055421	181.372	ng	100
46) 1,1'-Biphenyl	13.351	154	162448	4.844	ng	98
54) 2,4-Dinitrophenol	14.627	184	77	4.815	ng	# 1
58) Fluorene	15.562	166	80572	2.373	ng	# 98
65) 4,6-Dinitro-2-methylph...	15.639	198	635	3.084	ng	# 1
71) Phenanthrene	17.303	178	136971	2.625	ng	97
72) Anthracene	17.303	178	136971	2.665	ng	96

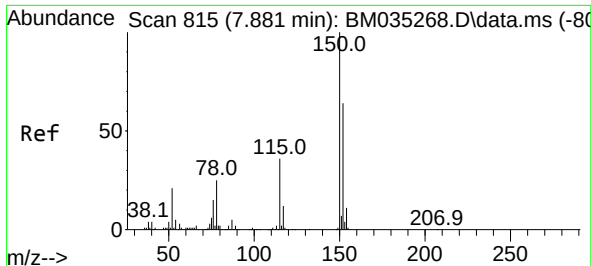
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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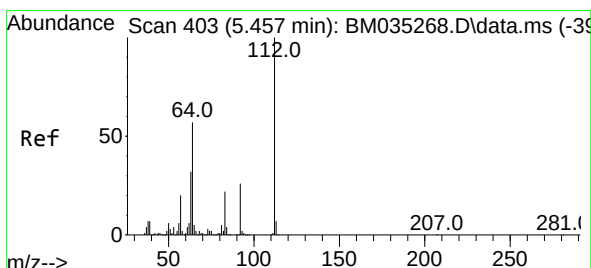
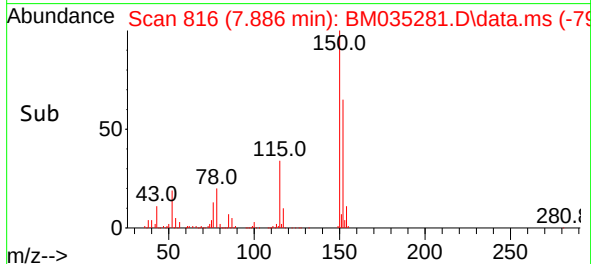
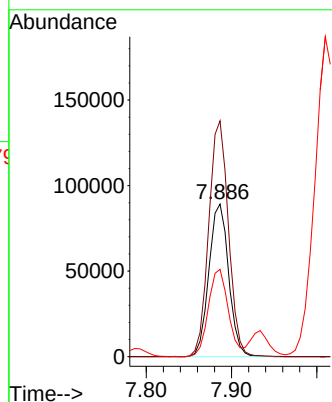
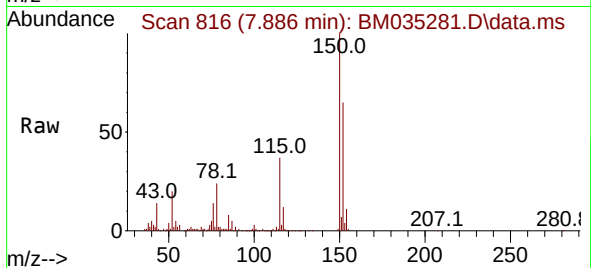




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.886 min Scan# 815
Delta R.T. 0.005 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

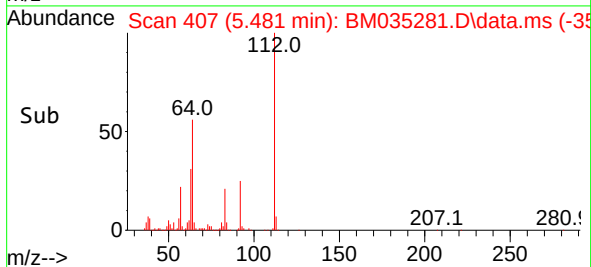
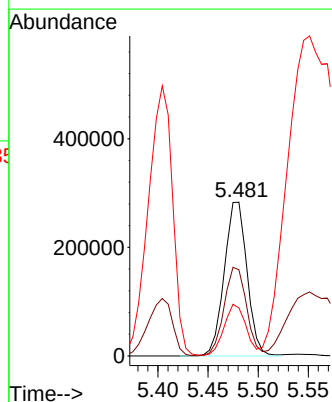
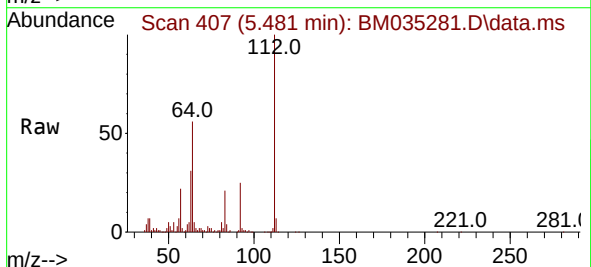
Instrument :
BNA_M
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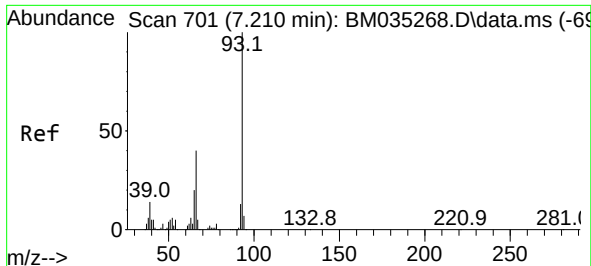
Tgt Ion:152 Resp: 143873
Ion Ratio Lower Upper
152 100
150 154.5 124.9 187.3
115 57.2 47.9 71.9



#5
2-Fluorophenol
Concen: 60.154 ng
RT: 5.481 min Scan# 407
Delta R.T. 0.023 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

Tgt Ion:112 Resp: 447799
Ion Ratio Lower Upper
112 100
64 56.1 47.8 71.6
63 31.3 26.6 40.0

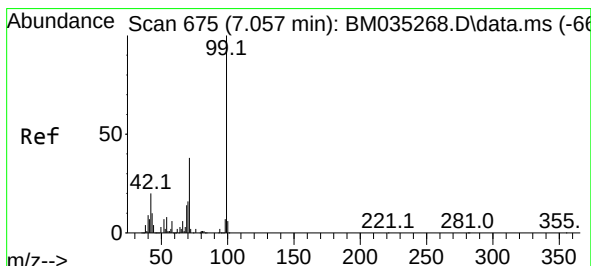
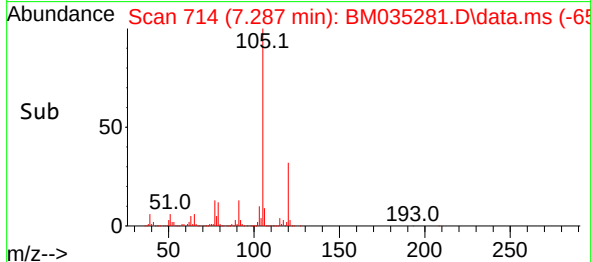
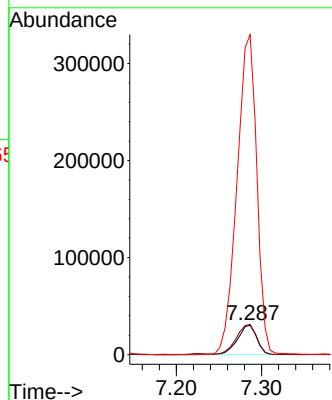
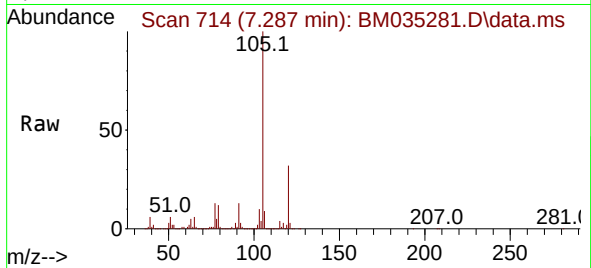




#6
Aniline
Concen: 4.307 ng
RT: 7.287 min Scan# 714
Delta R.T. 0.076 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

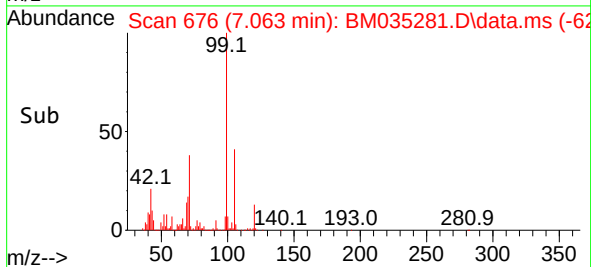
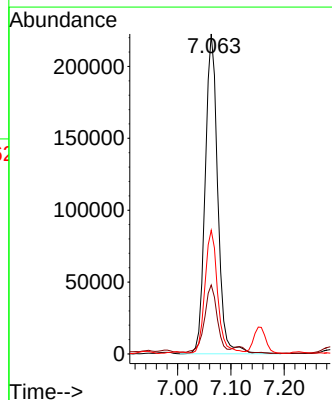
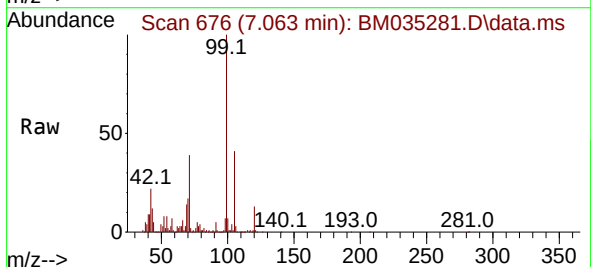
Instrument :
BNA_M
ClientSampleId :
TW-16

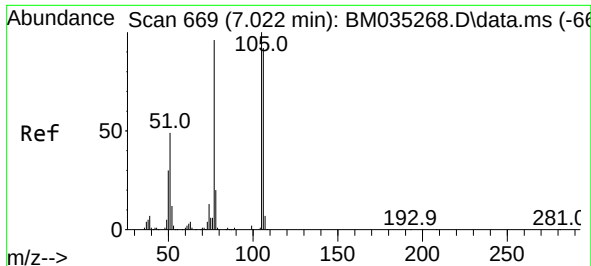
Tgt Ion: 93 Resp: 48406
Ion Ratio Lower Upper
93 100
66 102.8 32.6 49.0#
65 1086.9 16.8 25.2#



#7
Phenol-d6
Concen: 35.277 ng
RT: 7.063 min Scan# 676
Delta R.T. 0.006 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

Tgt Ion: 99 Resp: 364603
Ion Ratio Lower Upper
99 100
42 21.6 18.8 28.2
71 38.6 30.2 45.2

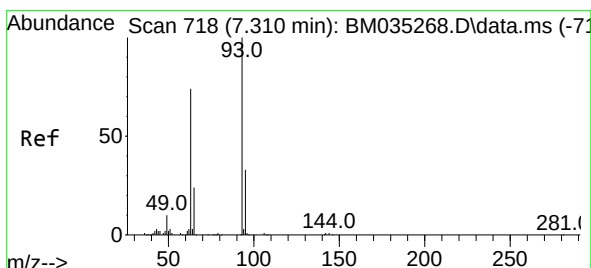
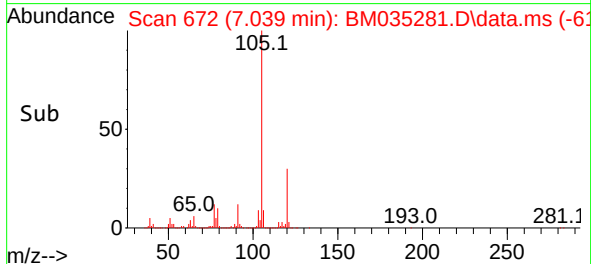
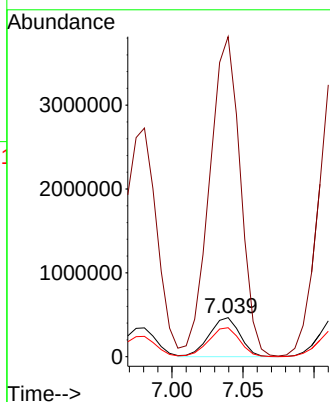
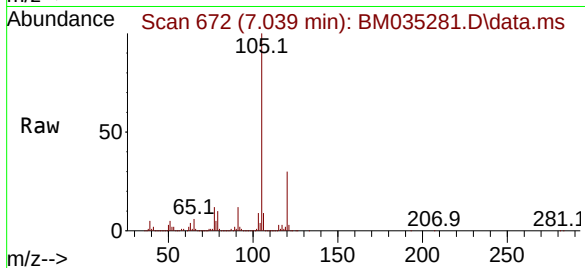




#9
Benzaldehyde
Concen: 151.699 ng
RT: 7.039 min Scan# 611
Delta R.T. 0.017 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

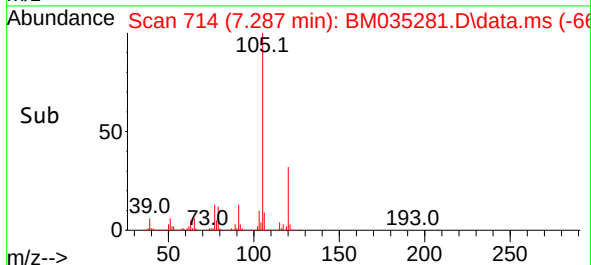
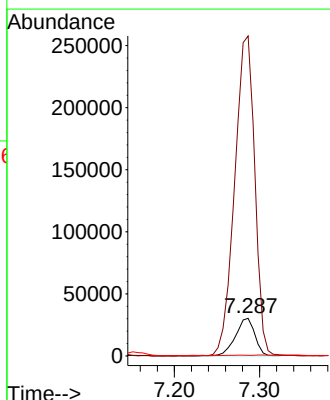
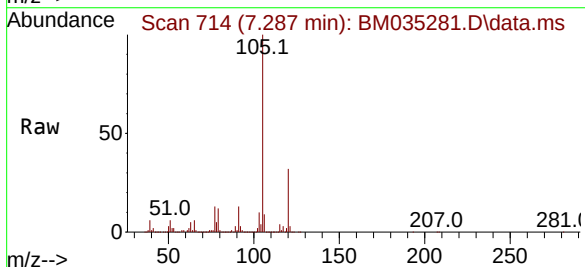
Instrument :
BNA_M
ClientSampleId :
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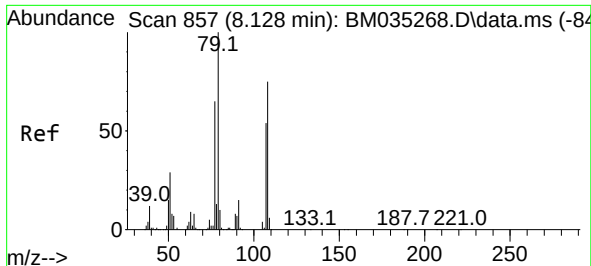
Tgt Ion: 77 Resp: 700914
Ion Ratio Lower Upper
77 100
105 819.3 76.3 116.3#
106 74.0 69.0 109.0



#11
bis(2-Chloroethyl)ether
Concen: 6.222 ng
RT: 7.287 min Scan# 714
Delta R.T. -0.024 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

Tgt Ion: 93 Resp: 48406
Ion Ratio Lower Upper
93 100
63 849.8 60.6 100.6#
95 1.7 13.2 53.2#

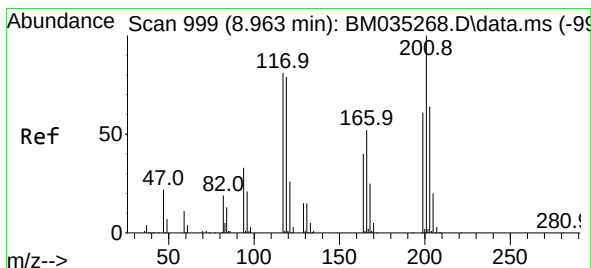
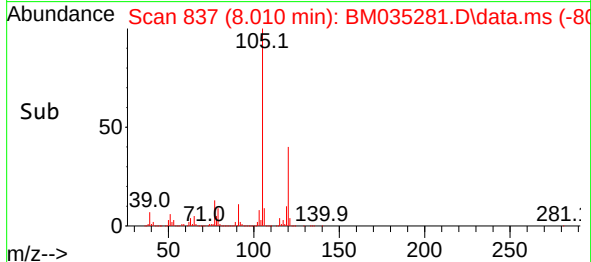
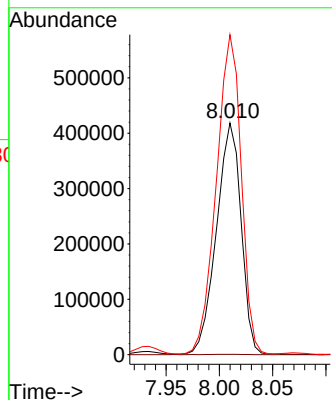
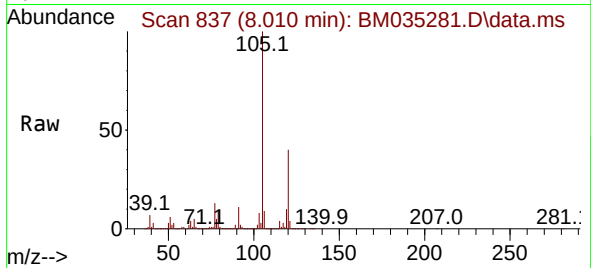




#15
Benzyl Alcohol
Concen: 86.157 ng
RT: 8.010 min Scan# 81
Delta R.T. -0.118 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

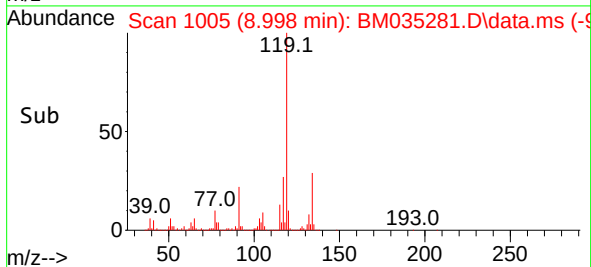
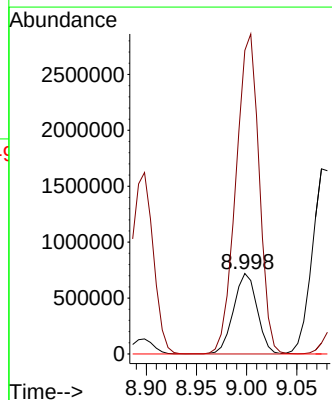
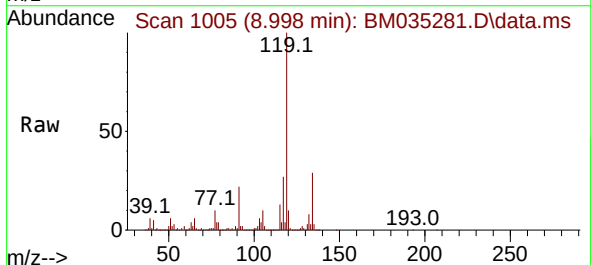
Instrument :
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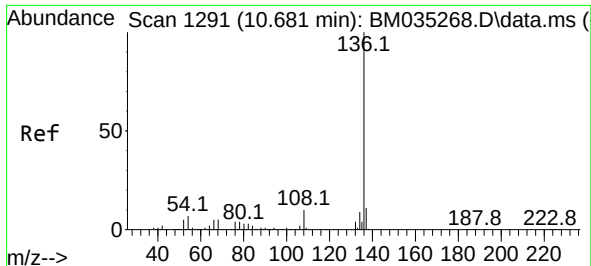
Tgt Ion: 79 Resp: 670130
Ion Ratio Lower Upper
79 100
108 0.2 59.0 88.4#
77 138.2 52.2 78.4#



#18
Hexachloroethane
Concen: 334.044 ng
RT: 8.998 min Scan# 1005
Delta R.T. 0.035 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

Tgt Ion: 117 Resp: 1178400
Ion Ratio Lower Upper
117 100
119 377.1 75.8 113.6#
201 0.0 81.0 121.4#

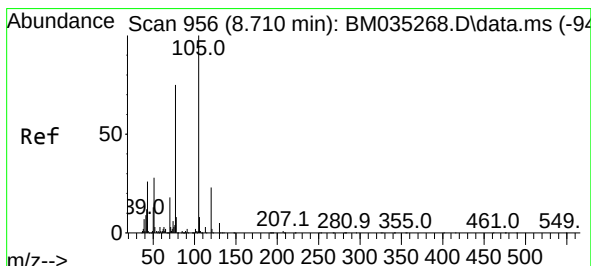
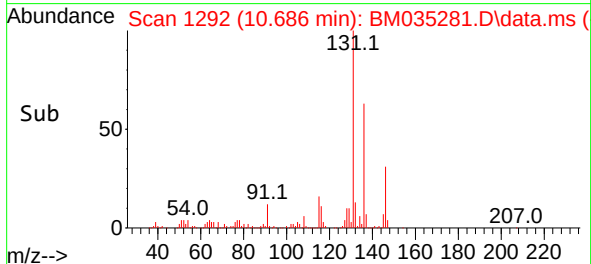
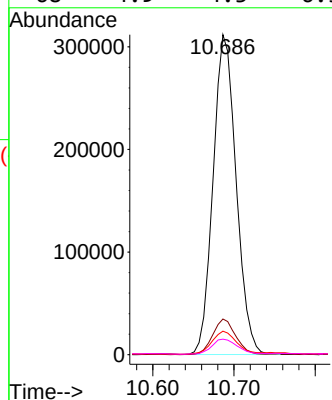
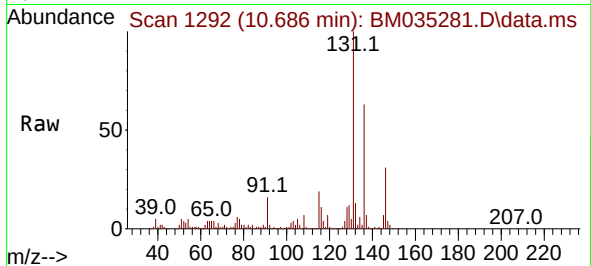




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.686 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

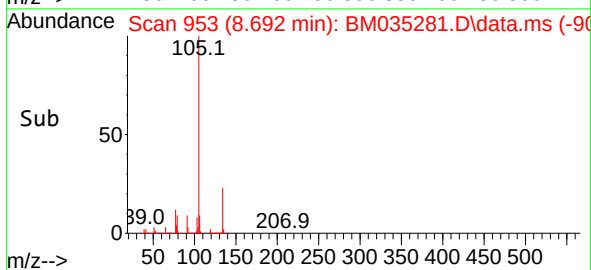
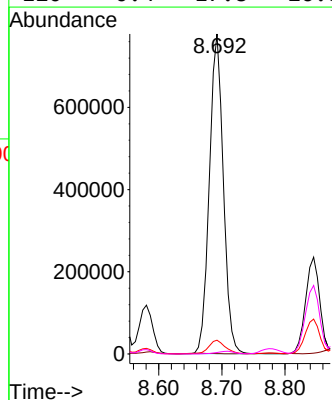
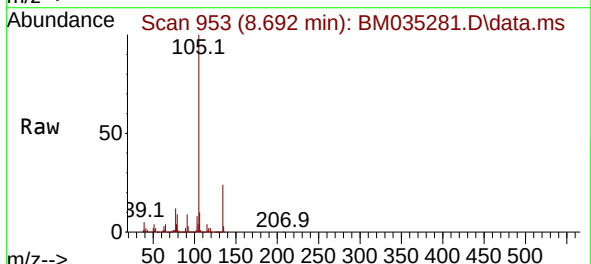
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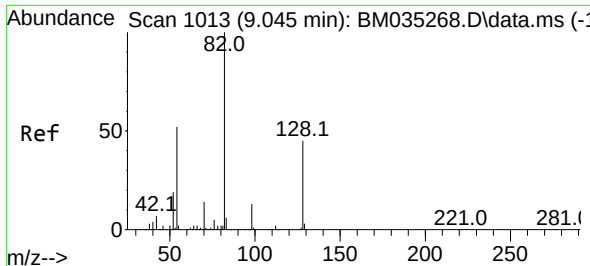
Tgt Ion:	136	Resp:	614962
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	7.4	7.0	10.4
68	4.9	4.3	6.5



#22
Acetophenone
Concen: 82.919 ng
RT: 8.692 min Scan# 953
Delta R.T. -0.018 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

Tgt Ion:	105	Resp:	1196712
Ion Ratio	Lower	Upper	
105	100		
71	0.1	5.0	7.4#
51	4.3	25.6	38.4#
120	0.4	17.8	26.8#

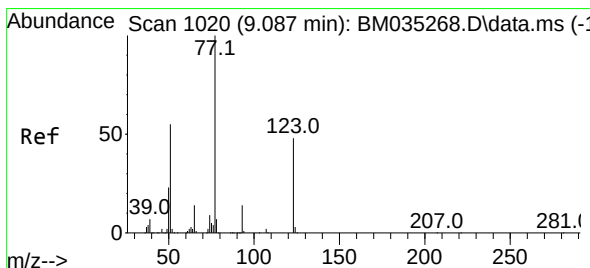
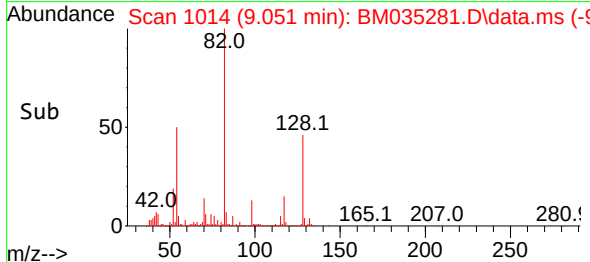
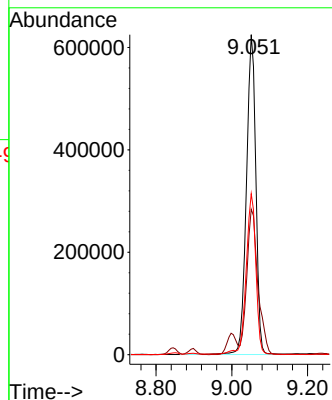
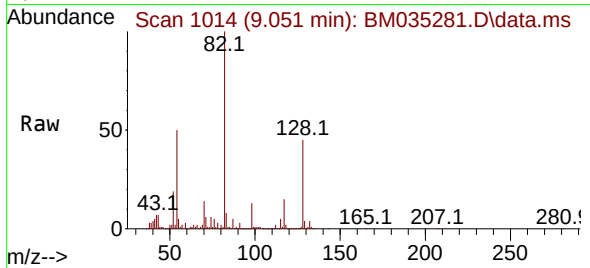




#23
Nitrobenzene-d5
Concen: 100.963 ng
RT: 9.051 min Scan# 1014
Delta R.T. 0.006 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

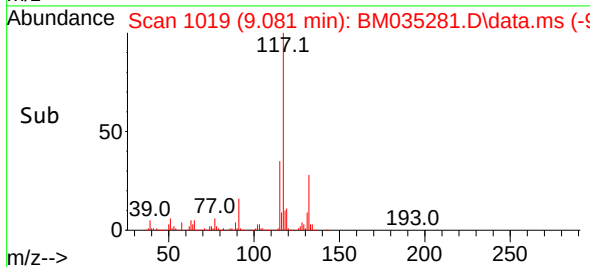
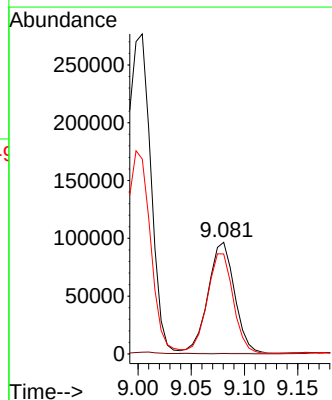
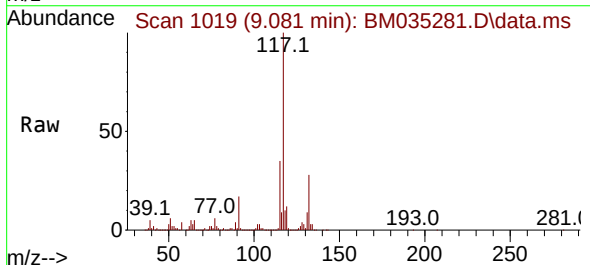
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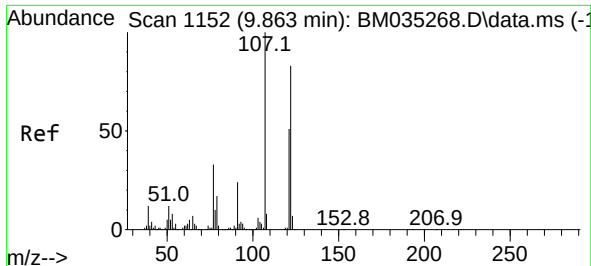
Tgt Ion: 82 Resp: 1077073
Ion Ratio Lower Upper
82 100
128 45.5 33.7 50.5
54 50.3 43.2 64.8



#24
Nitrobenzene
Concen: 17.091 ng
RT: 9.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

Tgt Ion: 77 Resp: 166333
Ion Ratio Lower Upper
77 100
123 0.4 36.2 54.4#
65 89.4 11.4 17.0#

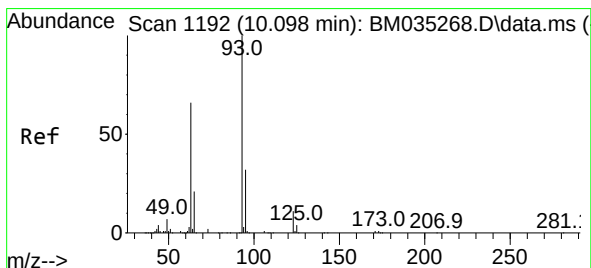
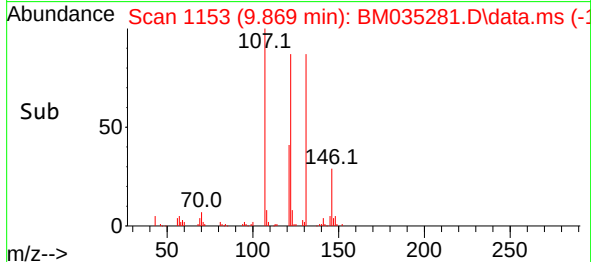
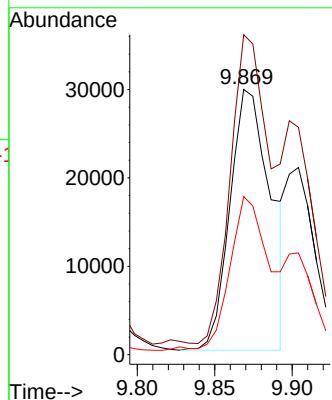
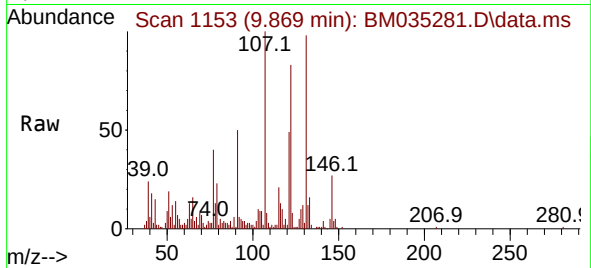




#27
2,4-Dimethylphenol
Concen: 7.078 ng
RT: 9.869 min Scan# 1152
Delta R.T. 0.006 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

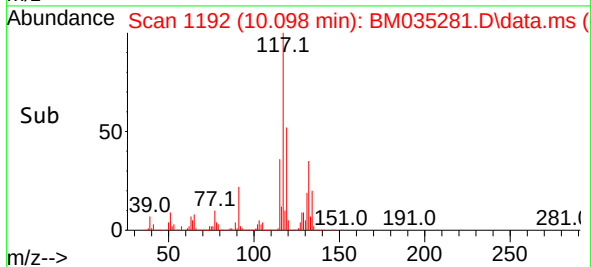
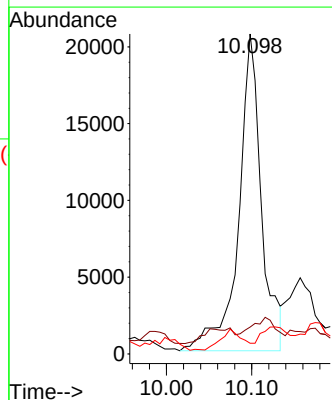
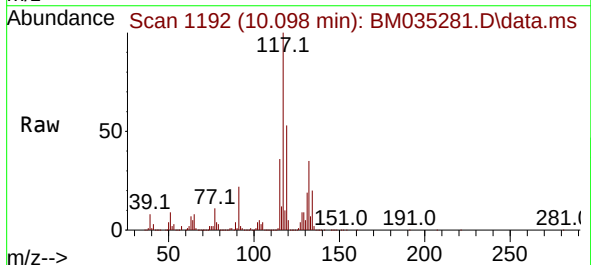
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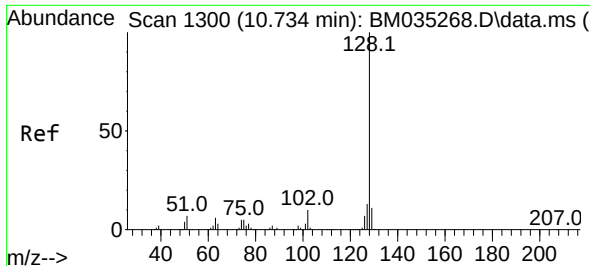
Tgt Ion:122 Resp: 53842
Ion Ratio Lower Upper
122 100
107 120.6 92.4 138.6
121 59.6 47.4 71.0



#28
bis(2-Chloroethoxy)methane
Concen: 3.314 ng
RT: 10.098 min Scan# 1192
Delta R.T. -0.000 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

Tgt Ion: 93 Resp: 38388
Ion Ratio Lower Upper
93 100
95 8.4 26.1 39.1#
123 3.4 9.0 13.4#

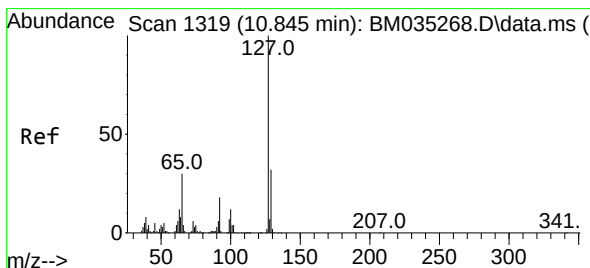
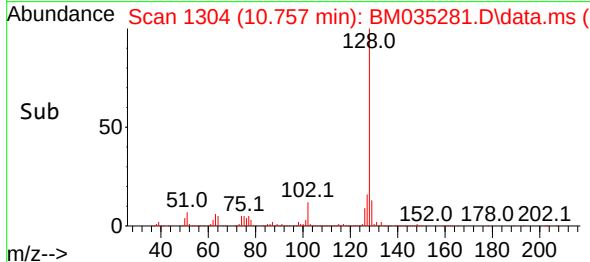
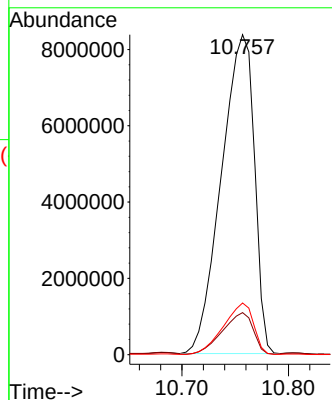
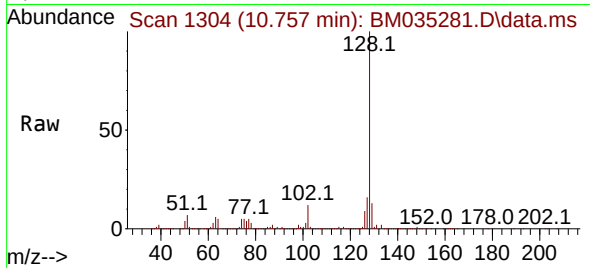




#31
Naphthalene
Concen: 594.170 ng
RT: 10.757 min Scan# 11
Delta R.T. 0.023 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

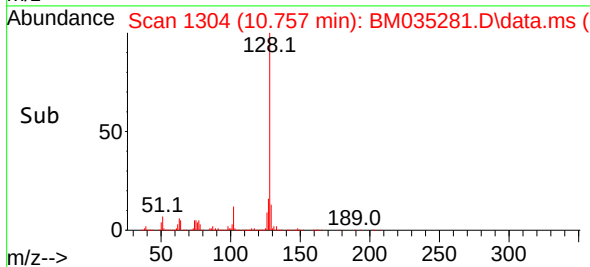
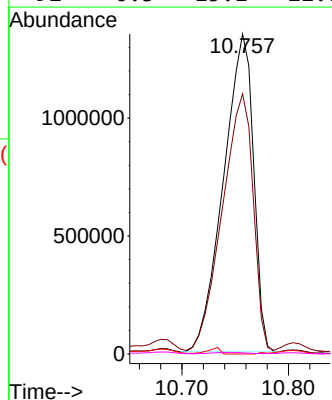
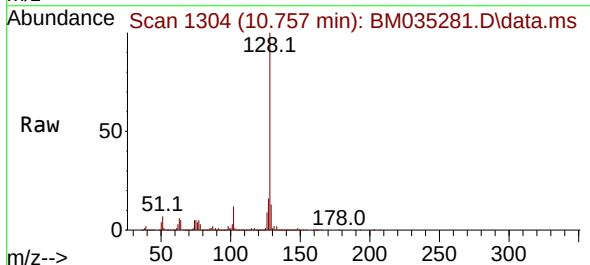
Instrument :
BNA_M
ClientSampleId :
TW-16

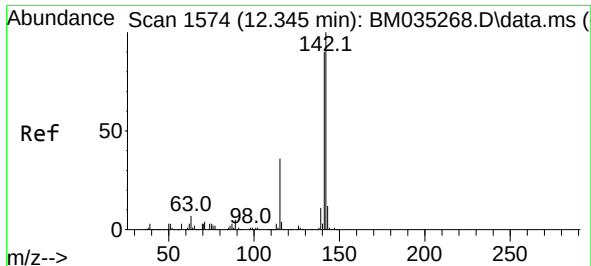
Tgt Ion:128 Resp:17966176
Ion Ratio Lower Upper
128 100
129 13.2 8.7 13.1#
127 16.2 10.6 16.0#



#33
4-Chloroaniline
Concen: 205.264 ng
RT: 10.757 min Scan# 1304
Delta R.T. -0.088 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

Tgt Ion:127 Resp: 2631743
Ion Ratio Lower Upper
127 100
129 81.3 25.7 38.5#
65 0.0 26.6 40.0#
92 0.3 15.1 22.7#

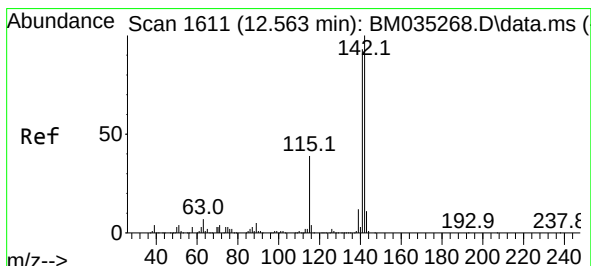
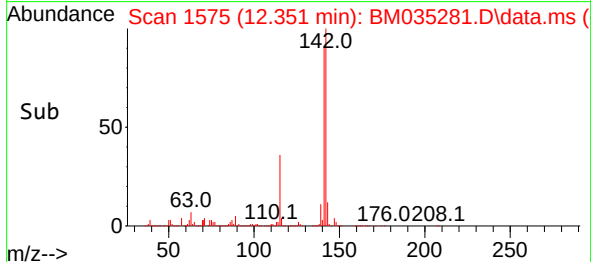
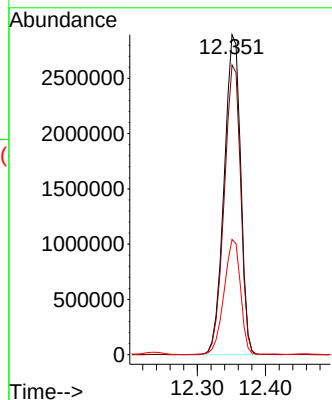
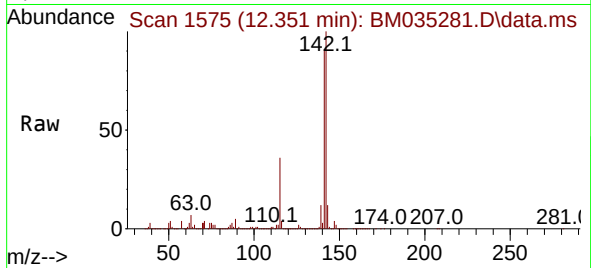




#37
2-Methylnaphthalene
Concen: 214.677 ng
RT: 12.351 min Scan# 1575
Delta R.T. 0.006 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

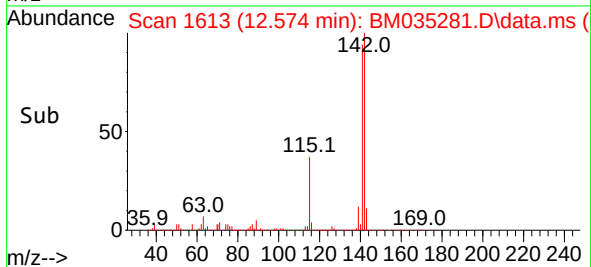
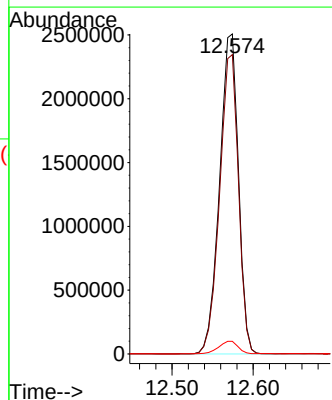
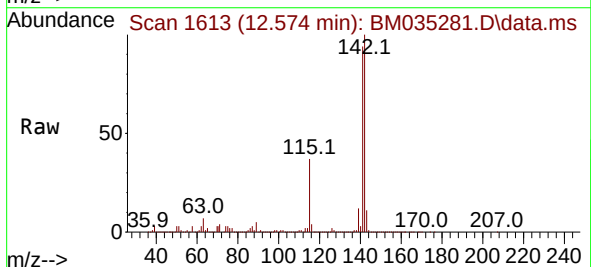
Instrument :
BNA_M
ClientSampleId :
TW-16

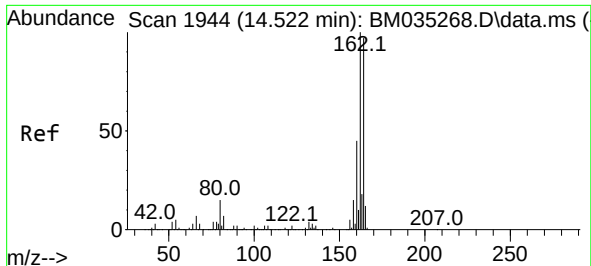
Tgt Ion:142 Resp: 4873558
Ion Ratio Lower Upper
142 100
141 90.6 72.4 108.6
115 36.0 29.6 44.4



#38
1-Methylnaphthalene
Concen: 181.372 ng
RT: 12.574 min Scan# 1613
Delta R.T. 0.011 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

Tgt Ion:142 Resp: 4055421
Ion Ratio Lower Upper
142 100
141 93.6 75.0 112.4
116 4.0 3.4 5.2

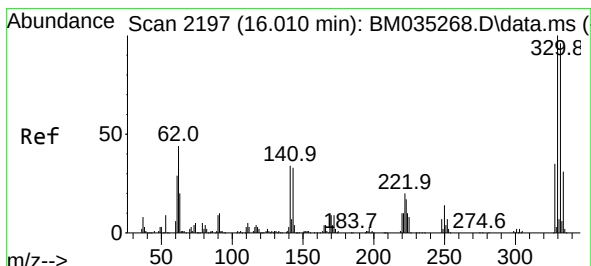
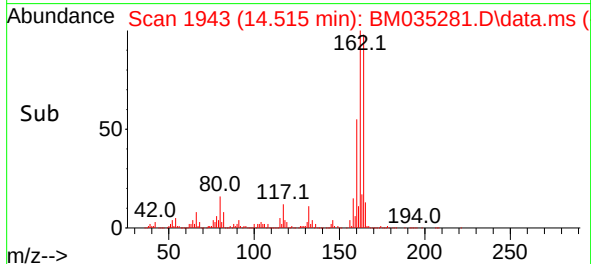
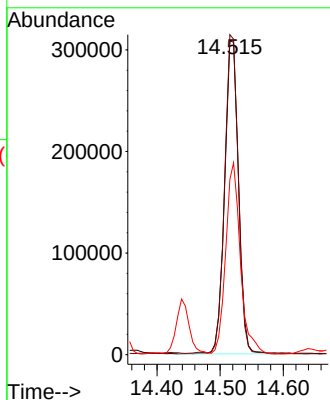
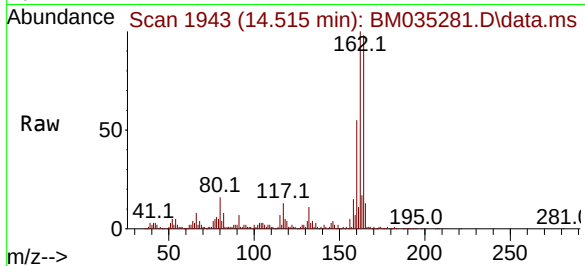




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.515 min Scan# 1943
Delta R.T. -0.007 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

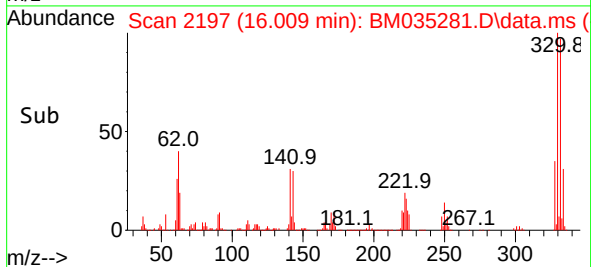
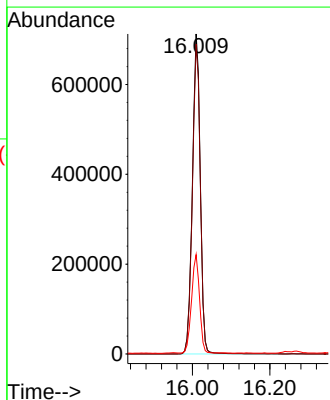
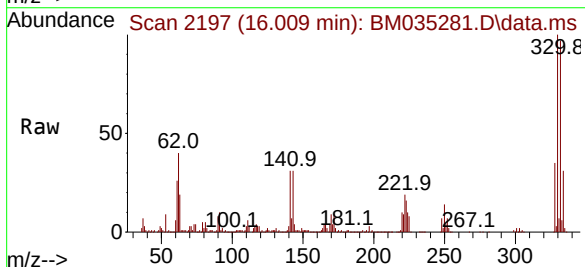
Instrument :
BNA_M
ClientSampleId :
TW-16

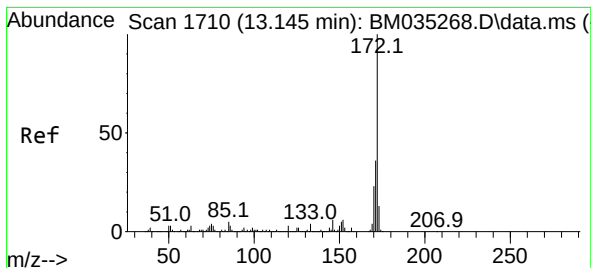
Tgt Ion:164 Resp: 470073
Ion Ratio Lower Upper
164 100
162 101.9 83.0 124.6
160 55.8 37.0 55.4#



#42
2,4,6-Tribromophenol
Concen: 130.747 ng
RT: 16.009 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

Tgt Ion:330 Resp: 1005053
Ion Ratio Lower Upper
330 100
332 97.0 77.0 115.4
141 30.9 35.3 52.9#





#45

2-Fluorobiphenyl

Concen: 92.352 ng

RT: 13.145 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM035281.D

Acq: 26 May 2022 23:06

Instrument :

BNA_M

ClientSampleId :

TW-16

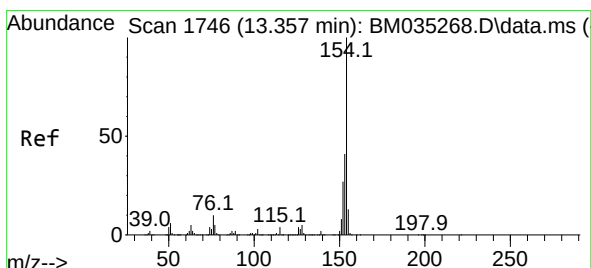
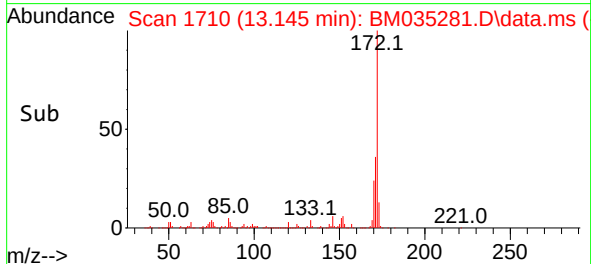
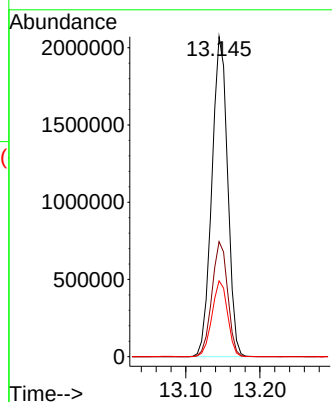
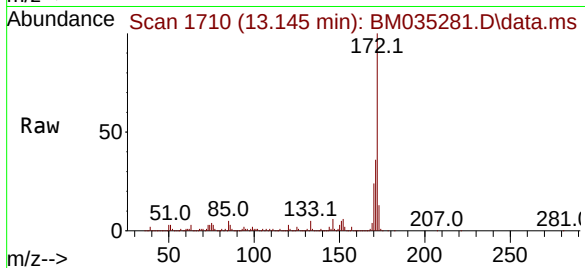
Tgt Ion:172 Resp: 3055445

Ion Ratio Lower Upper

172 100

171 36.0 28.5 42.7

170 23.7 18.7 28.1



#46

1,1'-Biphenyl

Concen: 4.844 ng

RT: 13.351 min Scan# 1745

Delta R.T. -0.006 min

Lab File: BM035281.D

Acq: 26 May 2022 23:06

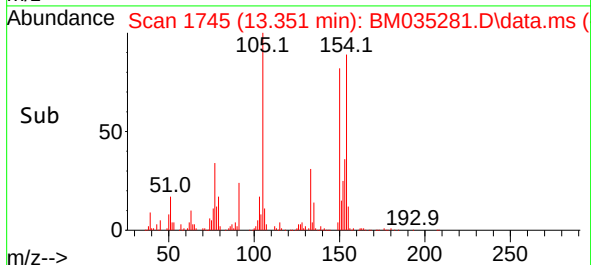
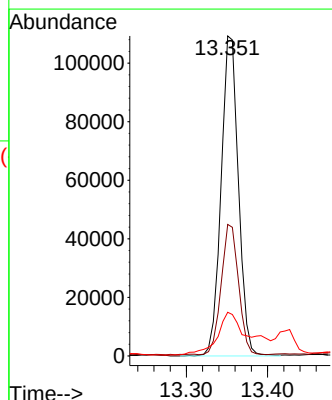
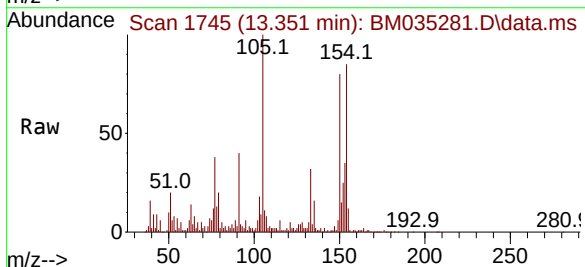
Tgt Ion:154 Resp: 162448

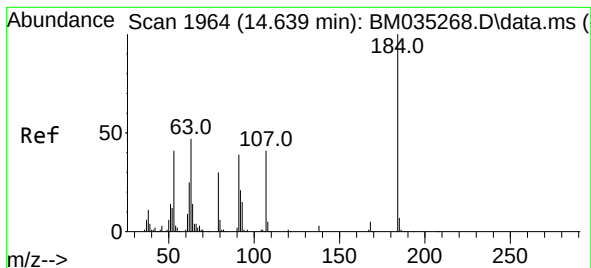
Ion Ratio Lower Upper

154 100

153 41.1 20.5 60.5

76 13.7 0.0 31.8

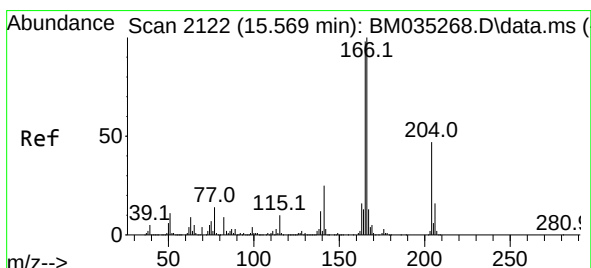
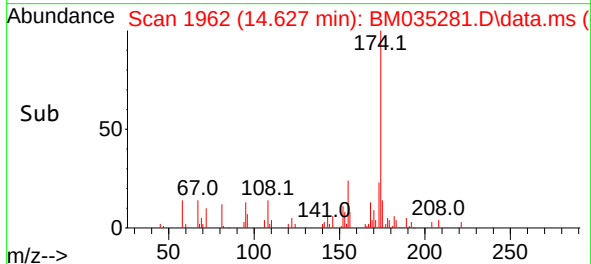
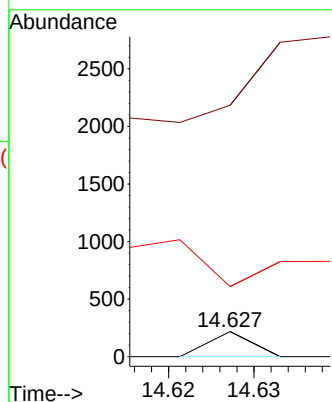
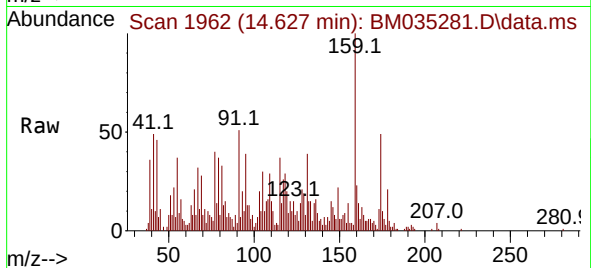




#54
2,4-Dinitrophenol
Concen: 4.815 ng
RT: 14.627 min Scan# 1964
Delta R.T. -0.012 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

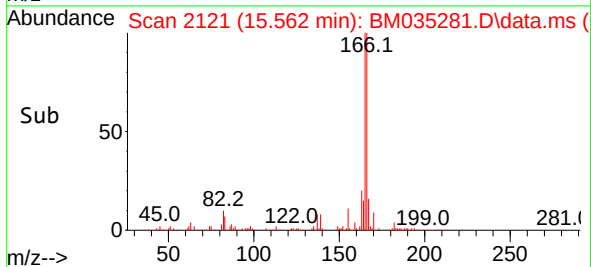
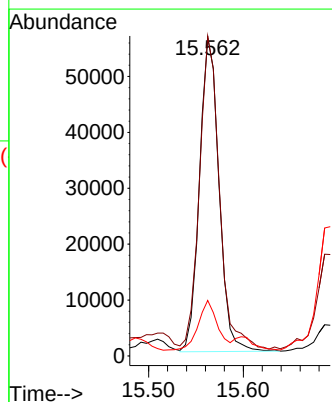
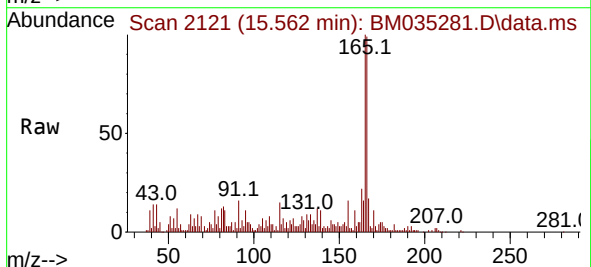
Instrument :
BNA_M
ClientSampleId :
TW-16

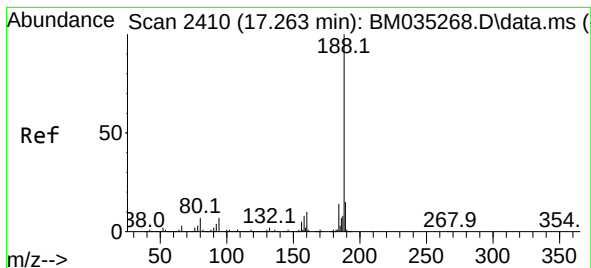
Tgt Ion:184 Resp: 77
Ion Ratio Lower Upper
184 100
63 1001.4 59.5 89.3#
154 279.4 55.6 83.4#



#58
Fluorene
Concen: 2.373 ng
RT: 15.562 min Scan# 2121
Delta R.T. -0.006 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

Tgt Ion:166 Resp: 80572
Ion Ratio Lower Upper
166 100
165 100.7 79.4 119.2
167 17.5 10.6 16.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.262 min Scan# 2410

Delta R.T. -0.001 min

Lab File: BM035281.D

Acq: 26 May 2022 23:06

Instrument :

BNA_M

ClientSampleId :

TW-16

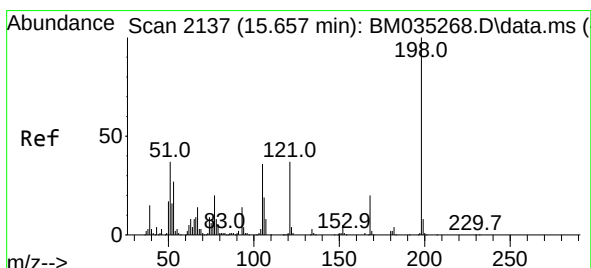
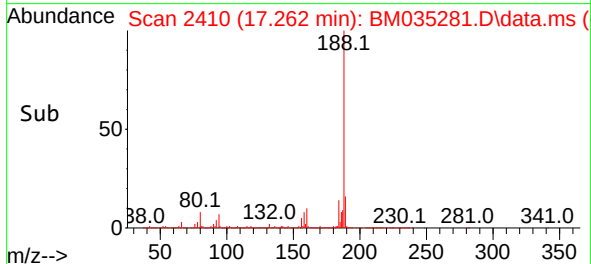
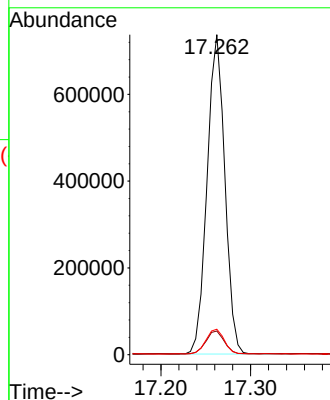
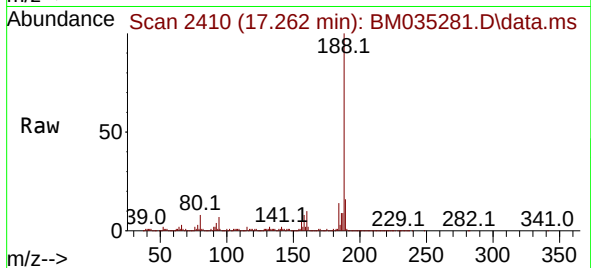
Tgt Ion:188 Resp: 1011316

Ion Ratio Lower Upper

188 100

94 7.4 7.0 10.4

80 8.0 7.6 11.4



#65

4,6-Dinitro-2-methylphenol

Concen: 3.084 ng

RT: 15.639 min Scan# 2134

Delta R.T. -0.018 min

Lab File: BM035281.D

Acq: 26 May 2022 23:06

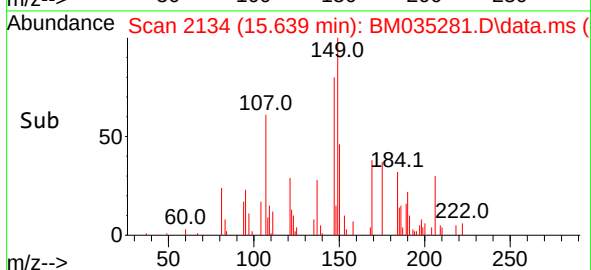
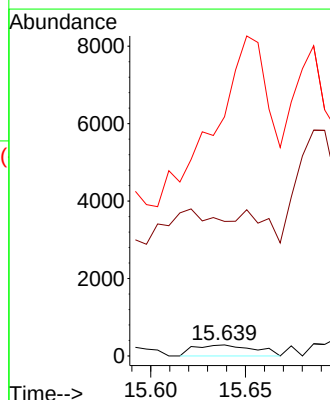
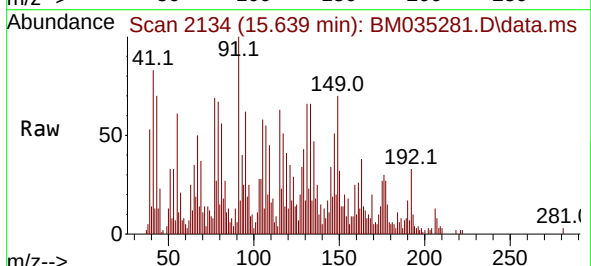
Tgt Ion:198 Resp: 635

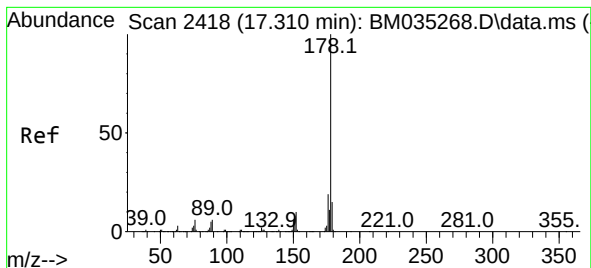
Ion Ratio Lower Upper

198 100

51 1211.5 29.0 69.0#

105 2153.0 22.1 62.1#





#71

Phenanthrene

Concen: 2.625 ng

RT: 17.303 min Scan# 2417

Delta R.T. -0.006 min

Lab File: BM035281.D

Acq: 26 May 2022 23:06

Instrument :

BNA_M

ClientSampleId :

TW-16

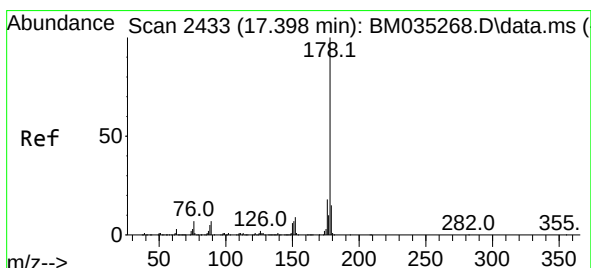
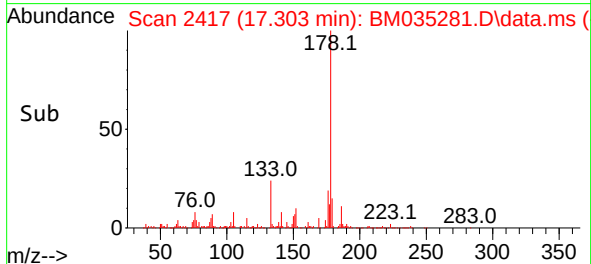
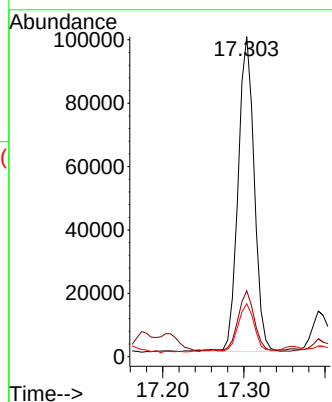
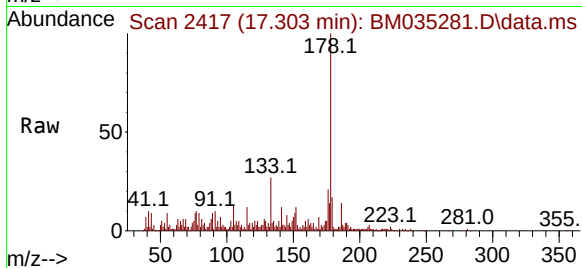
Tgt Ion:178 Resp: 136971

Ion Ratio Lower Upper

178 100

176 20.6 15.4 23.0

179 16.6 12.4 18.6



#72

Anthracene

Concen: 2.665 ng

RT: 17.303 min Scan# 2417

Delta R.T. -0.094 min

Lab File: BM035281.D

Acq: 26 May 2022 23:06

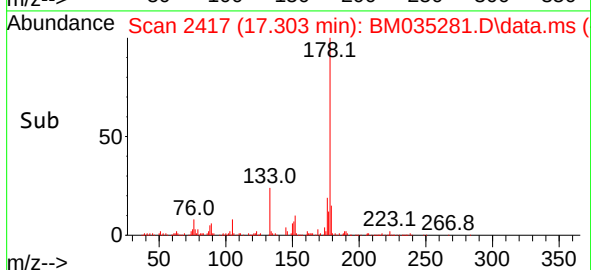
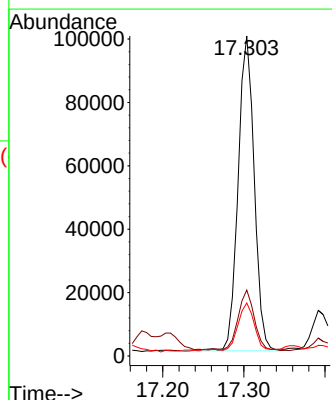
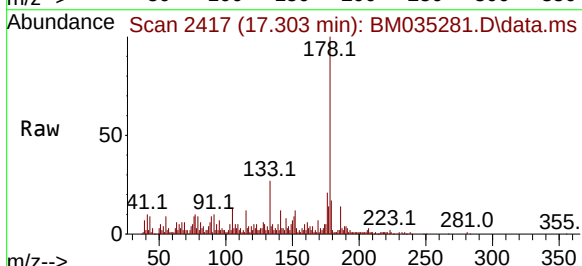
Tgt Ion:178 Resp: 136971

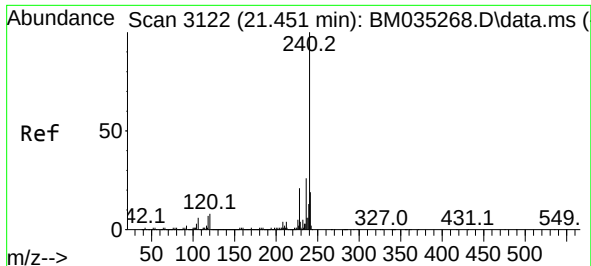
Ion Ratio Lower Upper

178 100

176 20.6 15.0 22.4

179 16.6 12.2 18.2

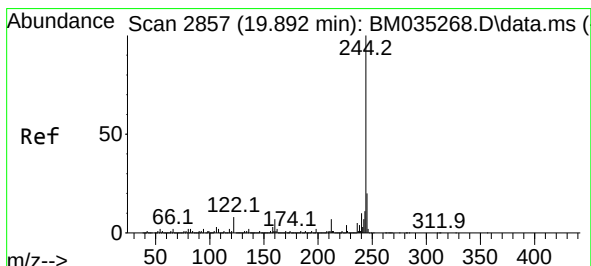
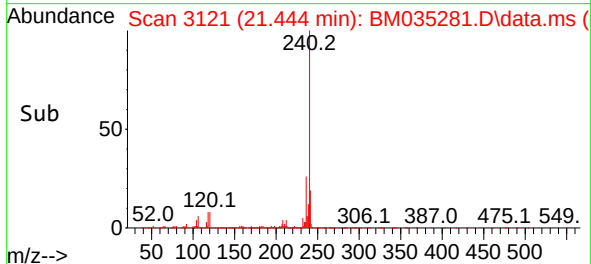
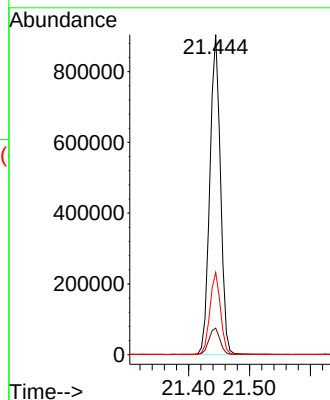
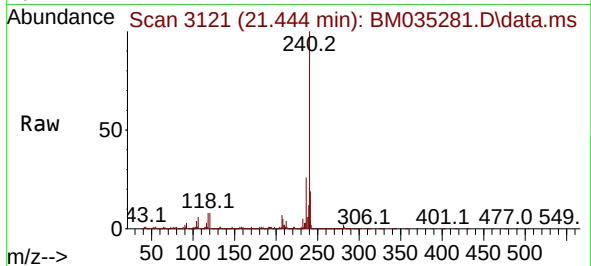




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.444 min Scan# 3122
Delta R.T. -0.006 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

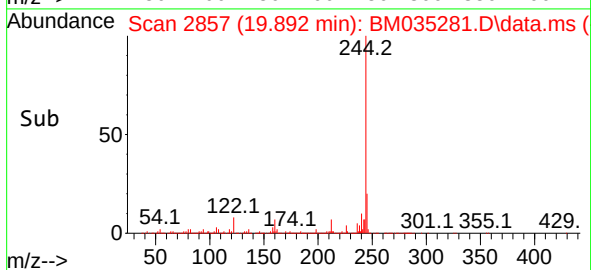
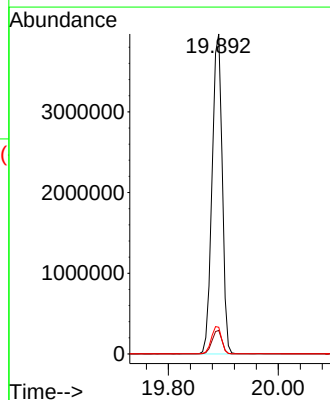
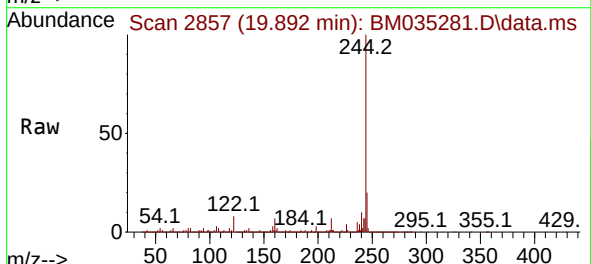
Instrument :
BNA_M
ClientSampleId :
TW-16

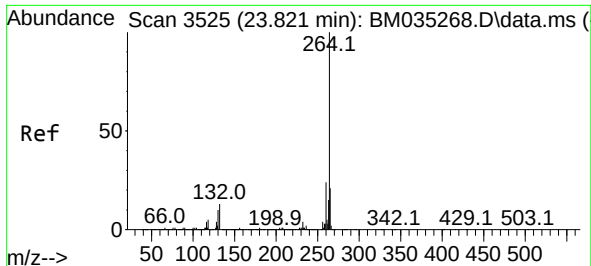
Tgt Ion:240 Resp: 1095417
Ion Ratio Lower Upper
240 100
120 8.3 9.4 14.0#
236 25.7 20.6 30.8



#79
Terphenyl-d14
Concen: 90.423 ng
RT: 19.892 min Scan# 2857
Delta R.T. -0.000 min
Lab File: BM035281.D
Acq: 26 May 2022 23:06

Tgt Ion:244 Resp: 5057942
Ion Ratio Lower Upper
244 100
212 7.4 6.2 9.4
122 8.4 8.3 12.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.815 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: BM035281.D
 Acq: 26 May 2022 23:06

Instrument :
 BNA_M
 ClientSampleId :
 TW-16

Tgt Ion:264 Resp: 1046529
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.9 28.3
 265 21.8 17.5 26.3

