

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102623\
 Data File : BM042471.D
 Acq On : 27 Oct 2023 02:32
 Operator : MA/JU
 Sample : 05011-03 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RBR-200010

Quant Time: Oct 27 03:03:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 21 02:32:53 2023
 Response via : Initial Calibration

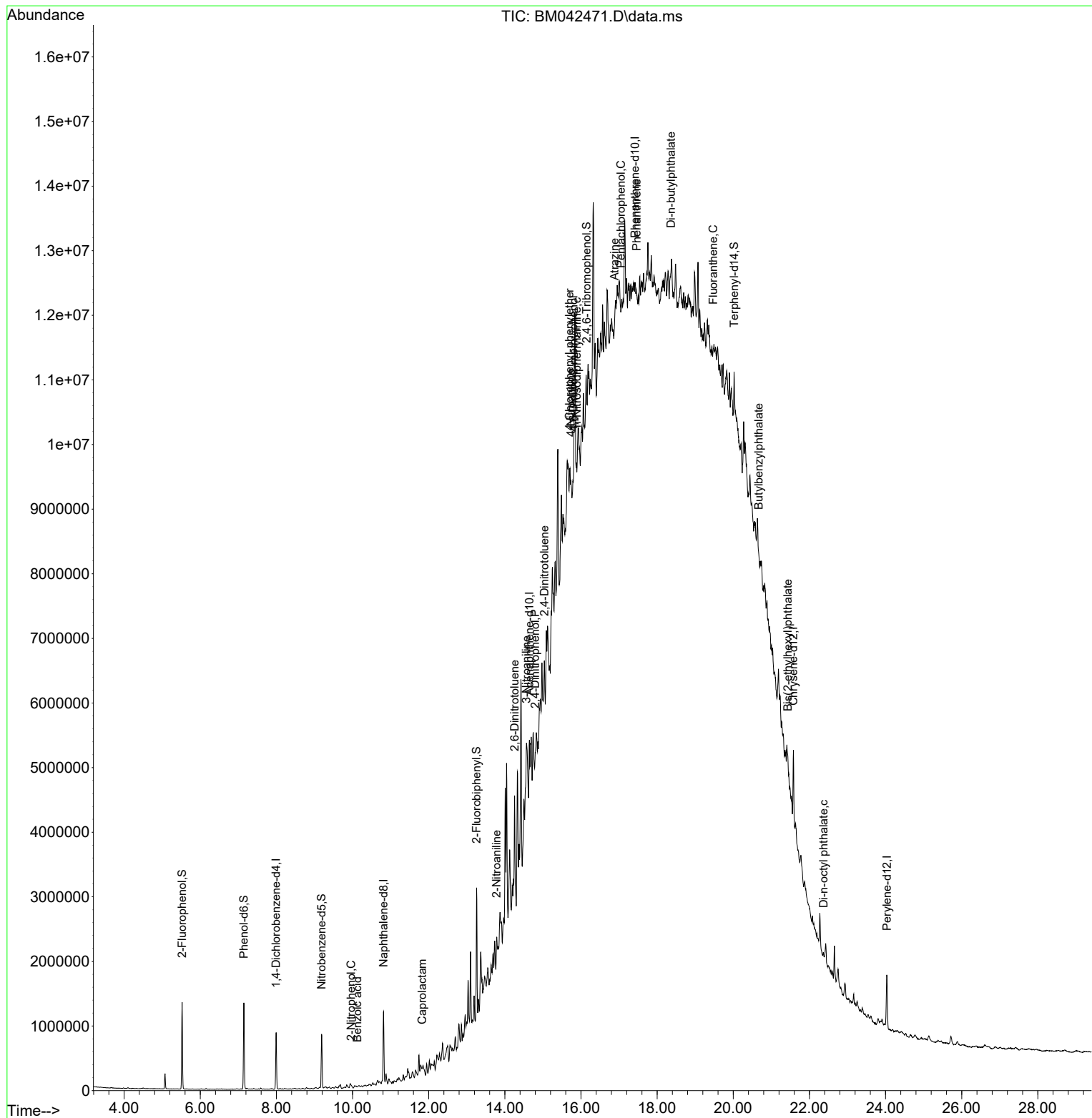
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.993	152	218531	20.000	ng	0.00
21) Naphthalene-d8	10.816	136	861575	20.000	ng	0.00
39) Acenaphthene-d10	14.645	164	404519	20.000	ng	0.00
64) Phenanthrene-d10	17.415	188	423131	20.000	ng	# 0.02
76) Chrysene-d12	21.580	240	548573	20.000	ng	0.00
86) Perylene-d12	24.033	264	640249	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	526646	34.060	ng	0.00
7) Phenol-d6	7.146	99	709046	34.218	ng	0.00
23) Nitrobenzene-d5	9.187	82	469147	24.079	ng	-0.01
42) 2,4,6-Tribromophenol	16.145	330	143762	39.135	ng	0.00
45) 2-Fluorobiphenyl	13.257	172	977876	32.553	ng	-0.01
79) Terphenyl-d14	20.021	244	646700	20.907	ng	0.01
Target Compounds						
26) 2-Nitrophenol	9.963	139	454	2.765	ng	# 1
32) Benzoic acid	10.122	122	192	5.341	ng	# 1
35) Caprolactam	11.828	113	2855	6.468	ng	# 1
48) 2-Nitroaniline	13.780	65	2891	3.897	ng	# 71
51) 2,6-Dinitrotoluene	14.257	165	8370	4.062	ng	# 40
53) 3-Nitroaniline	14.563	138	10947	4.550	ng	# 18
54) 2,4-Dinitrophenol	14.798	184	347	8.243	ng	# 1
57) 2,4-Dinitrotoluene	15.039	165	52294	9.405	ng	# 18
61) 4-Chlorophenyl-phenyle...	15.698	204	31769	2.352	ng	# 1
62) 4-Nitroaniline	15.733	138	4429	4.336	ng	# 50
65) 4,6-Dinitro-2-methylph...	15.804	198	5302	7.798	ng	# 1
66) n-Nitrosodiphenylamine	15.892	169	34484	2.706	ng	# 56
69) Atrazine	16.880	200	10716	3.316	ng	# 1
70) Pentachlorophenol	17.045	266	1793	6.460	ng	# 35
71) Phenanthrene	17.463	178	46198	2.007	ng	# 1
74) Di-n-butylphthalate	18.362	149	23631	3.639	ng	# 30
75) Fluoranthene	19.474	202	64024	2.525	ng	# 32
80) Butylbenzylphthalate	20.668	149	5560	3.557	ng	# 54
84) Bis(2-ethylhexyl)phtha...	21.433	149	94980	6.944	ng	# 81
85) Di-n-octyl phthalate	22.368	149	2408	4.270	ng	# 61

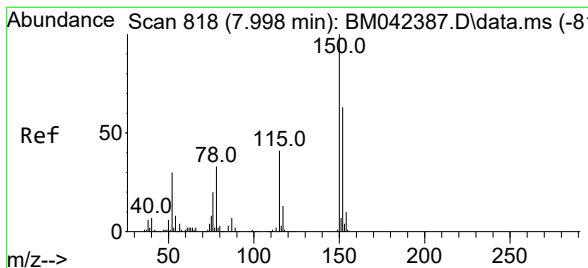
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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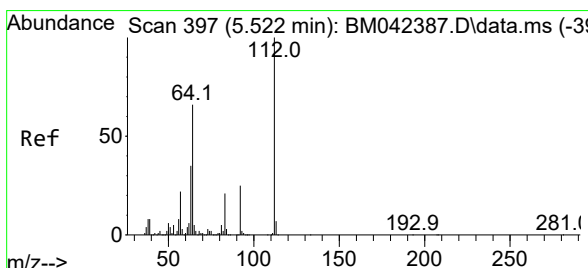
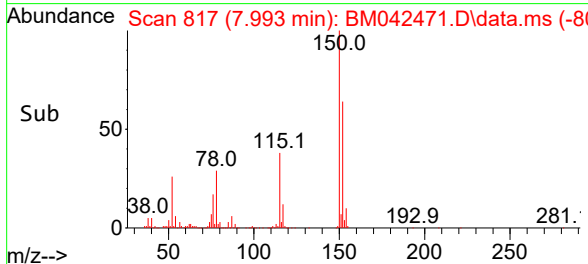
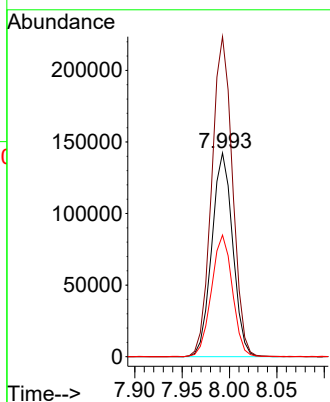
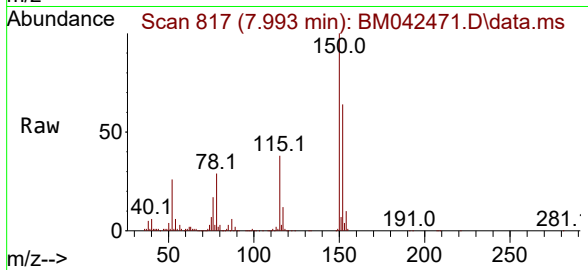




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.993 min Scan# 818
Delta R.T. -0.005 min
Lab File: BM042471.D
Acq: 27 Oct 2023 02:32

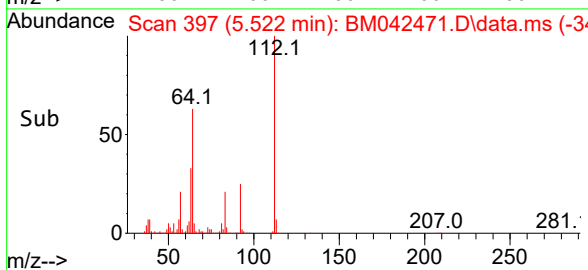
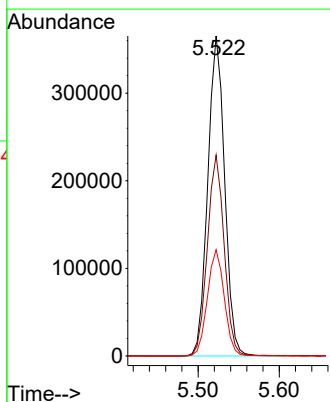
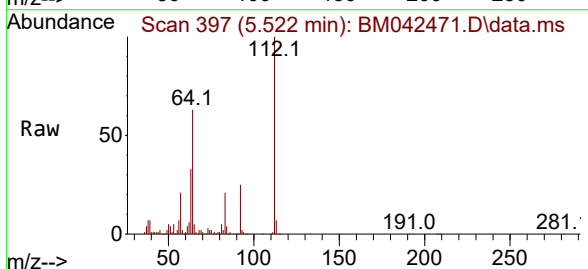
Instrument :
BNA_M
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RBR-200010

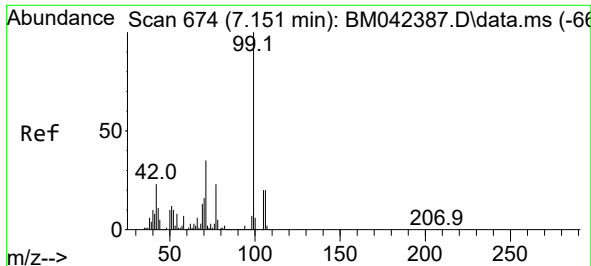
Tgt Ion:152 Resp: 218531
Ion Ratio Lower Upper
152 100
150 157.1 126.2 189.4
115 59.7 51.9 77.9



#5
2-Fluorophenol
Concen: 34.060 ng
RT: 5.522 min Scan# 397
Delta R.T. 0.000 min
Lab File: BM042471.D
Acq: 27 Oct 2023 02:32

Tgt Ion:112 Resp: 526646
Ion Ratio Lower Upper
112 100
64 62.7 52.7 79.1
63 33.2 28.3 42.5

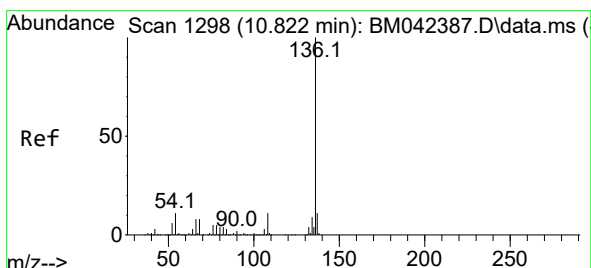
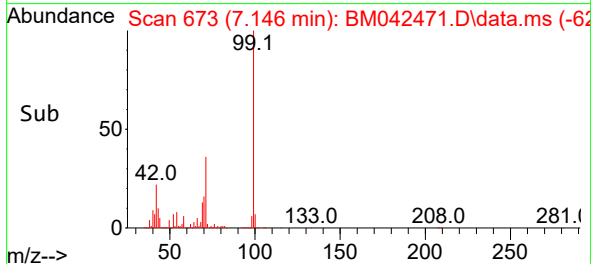
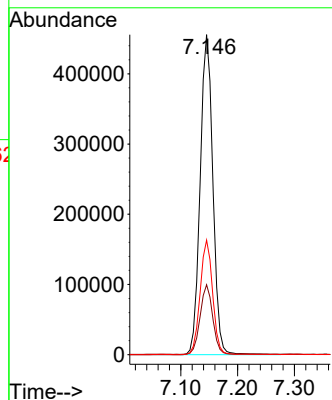
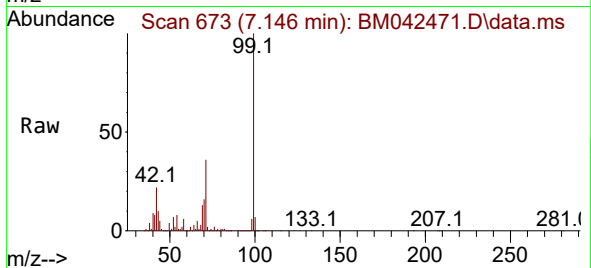




#7
Phenol-d6
Concen: 34.218 ng
RT: 7.146 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM042471.D
Acq: 27 Oct 2023 02:32

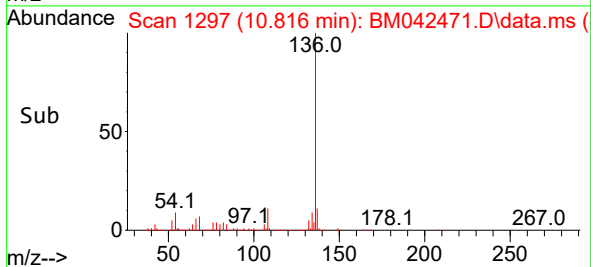
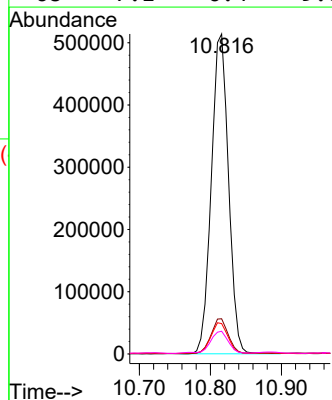
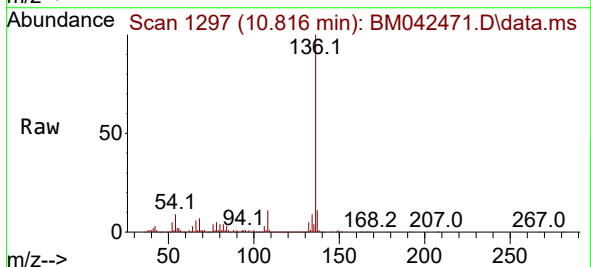
Instrument :
BNA_M
ClientSampleId :
RBR-200010

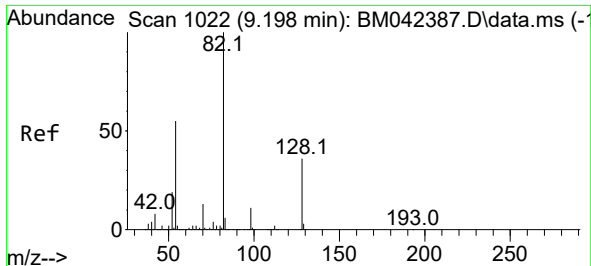
Tgt Ion: 99 Resp: 709046
Ion Ratio Lower Upper
99 100
42 21.9 18.5 27.7
71 35.8 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.816 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BM042471.D
Acq: 27 Oct 2023 02:32

Tgt Ion: 136 Resp: 861575
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 9.5 8.6 12.8
68 7.1 6.4 9.6





#23

Nitrobenzene-d5

Concen: 24.079 ng

RT: 9.187 min Scan# 1102

Delta R.T. -0.012 min

Lab File: BM042471.D

Acq: 27 Oct 2023 02:32

Instrument :

BNA_M

ClientSampleId :

RBR-200010

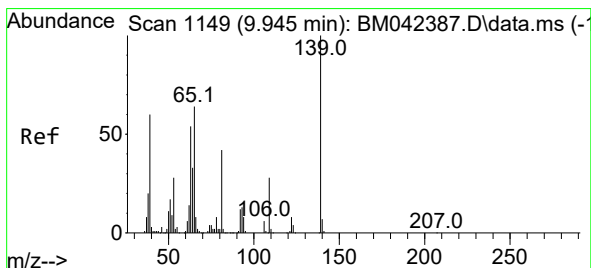
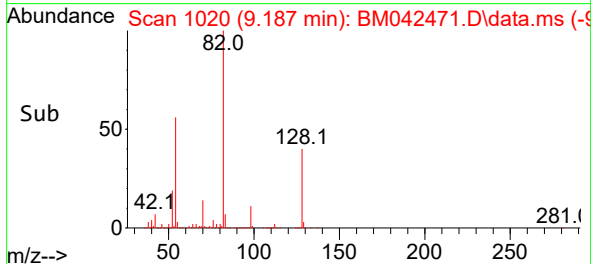
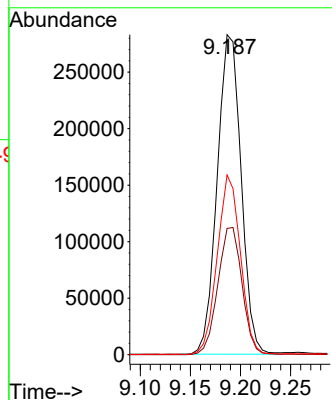
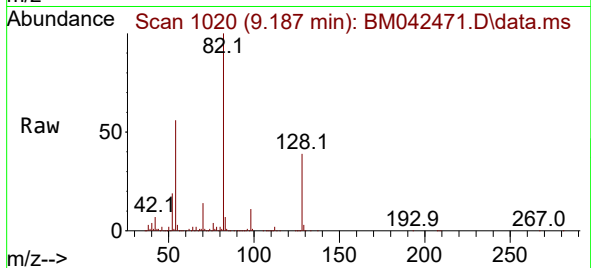
Tgt Ion: 82 Resp: 469147

Ion Ratio Lower Upper

82 100

128 39.5 29.0 43.6

54 56.1 43.7 65.5



#26

2-Nitrophenol

Concen: 2.765 ng

RT: 9.963 min Scan# 1152

Delta R.T. 0.018 min

Lab File: BM042471.D

Acq: 27 Oct 2023 02:32

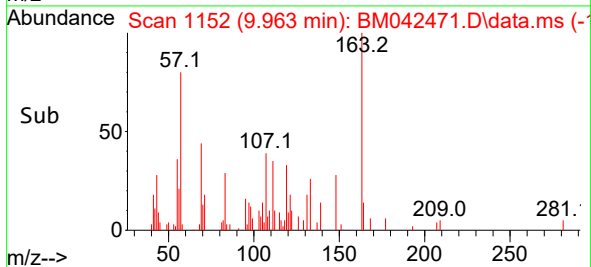
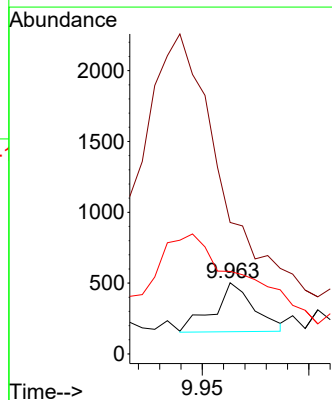
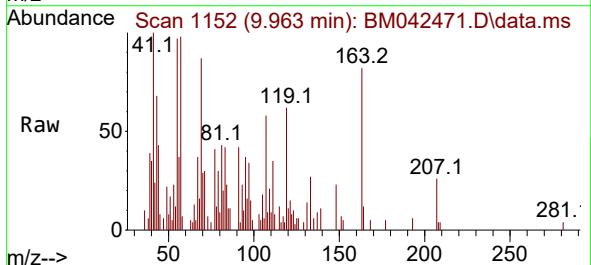
Tgt Ion:139 Resp: 454

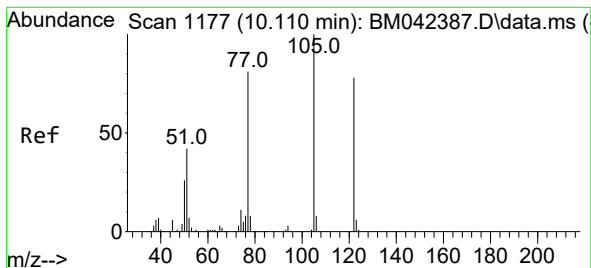
Ion Ratio Lower Upper

139 100

109 184.9 22.3 33.5#

65 116.1 51.1 76.7#





#32

Benzoic acid

Concen: 5.341 ng

RT: 10.122 min Scan# 1177

Delta R.T. 0.012 min

Lab File: BM042471.D

Acq: 27 Oct 2023 02:32

Instrument :

BNA_M

ClientSampleId :

RBR-200010

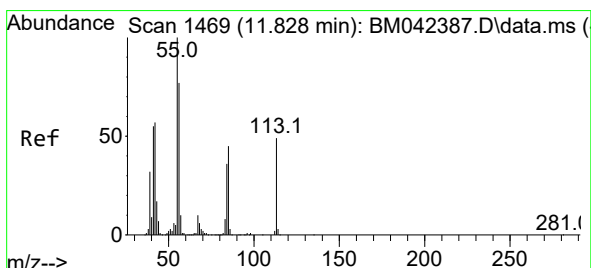
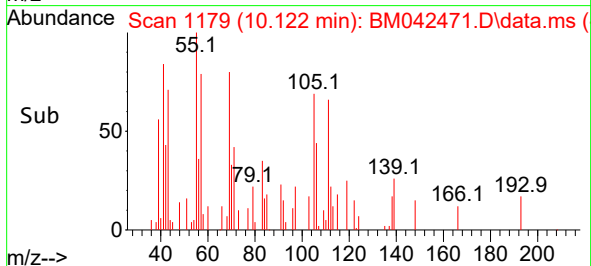
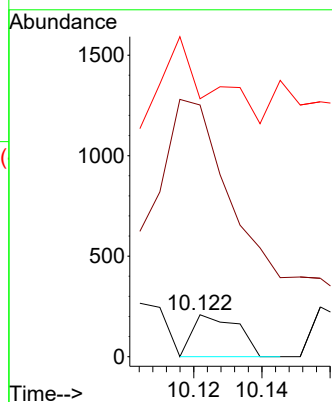
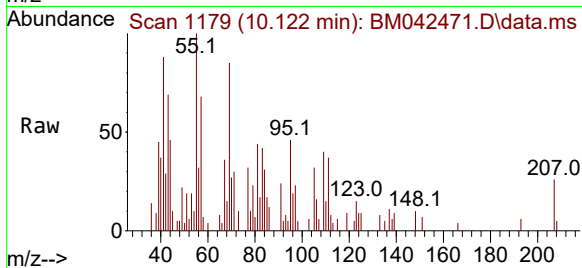
Tgt Ion:122 Resp: 192

Ion Ratio Lower Upper

122 100

105 601.9 104.9 144.9#

77 616.8 83.4 123.4#



#35

Caprolactam

Concen: 6.468 ng

RT: 11.828 min Scan# 1469

Delta R.T. -0.000 min

Lab File: BM042471.D

Acq: 27 Oct 2023 02:32

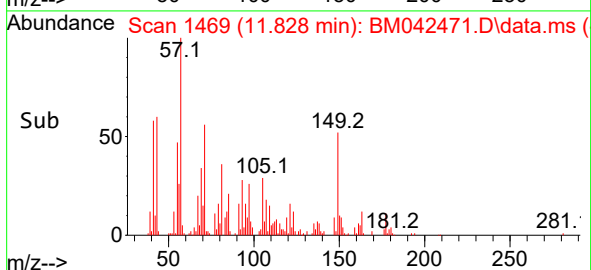
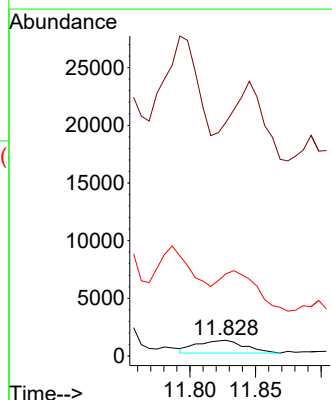
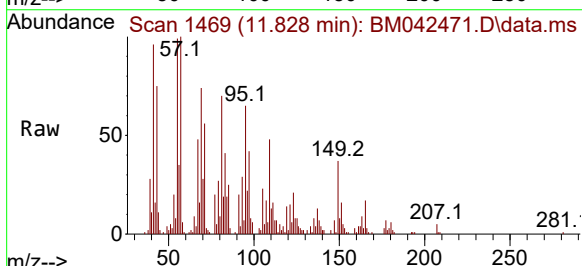
Tgt Ion:113 Resp: 2855

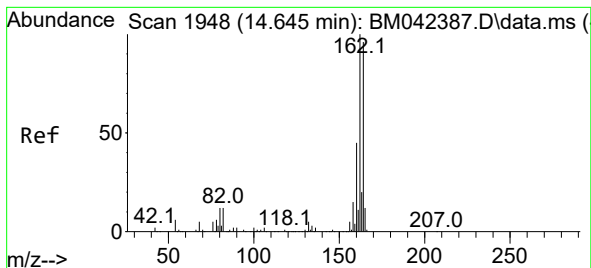
Ion Ratio Lower Upper

113 100

55 1498.4 185.6 225.6#

56 527.1 137.8 177.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.645 min Scan# 1948

Delta R.T. 0.000 min

Lab File: BM042471.D

Acq: 27 Oct 2023 02:32

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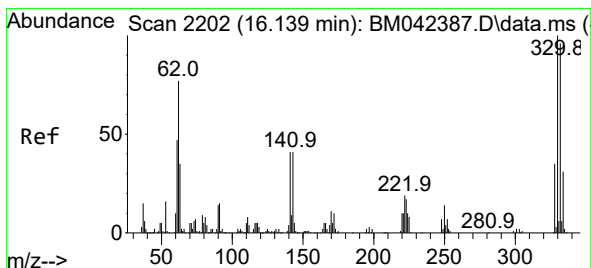
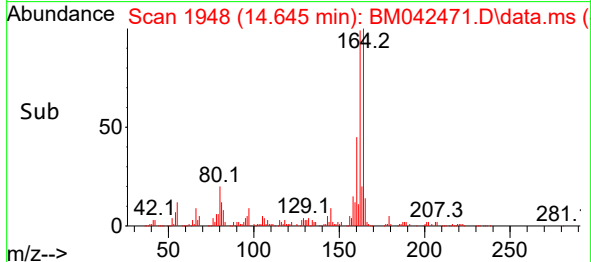
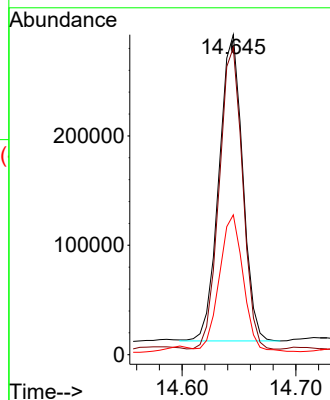
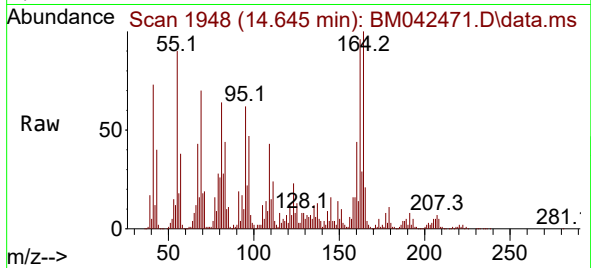
Tgt Ion:164 Resp: 404519

Ion Ratio Lower Upper

164 100

162 95.9 83.0 124.4

160 43.7 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 39.135 ng

RT: 16.145 min Scan# 2203

Delta R.T. 0.006 min

Lab File: BM042471.D

Acq: 27 Oct 2023 02:32

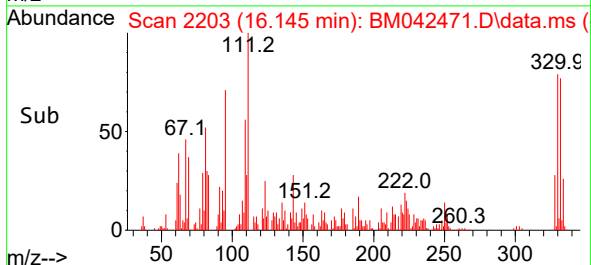
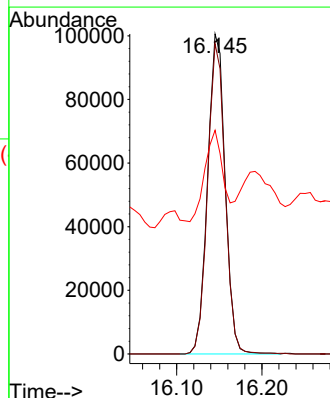
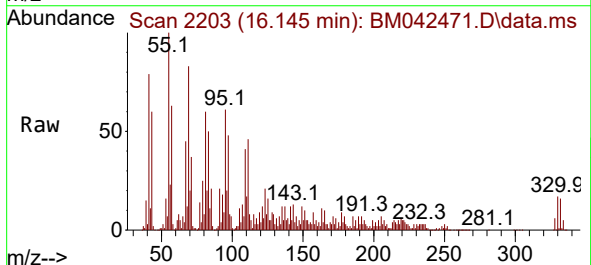
Tgt Ion:330 Resp: 143762

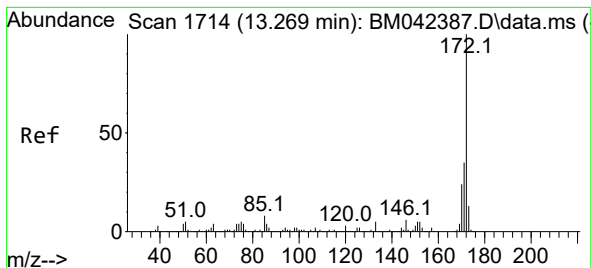
Ion Ratio Lower Upper

330 100

332 96.7 77.6 116.4

141 28.8 38.0 57.0#





#45

2-Fluorobiphenyl

Concen: 32.553 ng

RT: 13.257 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM042471.D

Acq: 27 Oct 2023 02:32

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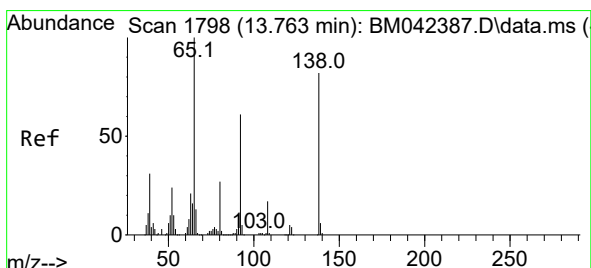
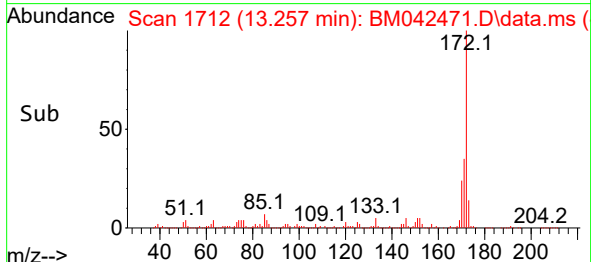
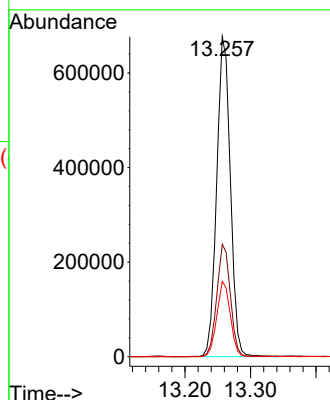
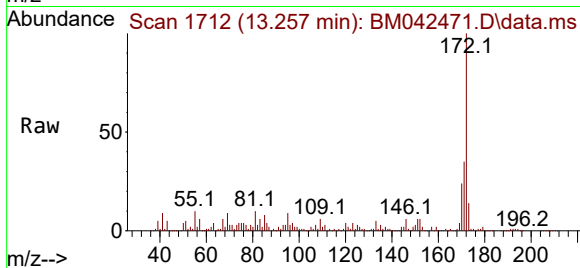
Tgt Ion:172 Resp: 977876

Ion Ratio Lower Upper

172 100

171 35.2 28.1 42.1

170 23.5 18.9 28.3



#48

2-Nitroaniline

Concen: 3.897 ng

RT: 13.780 min Scan# 1801

Delta R.T. 0.017 min

Lab File: BM042471.D

Acq: 27 Oct 2023 02:32

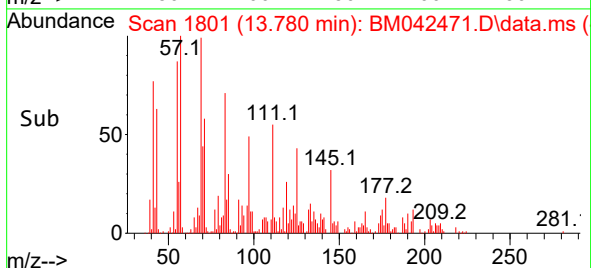
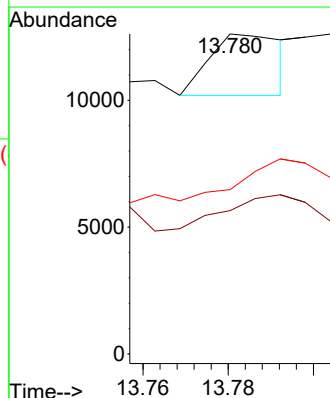
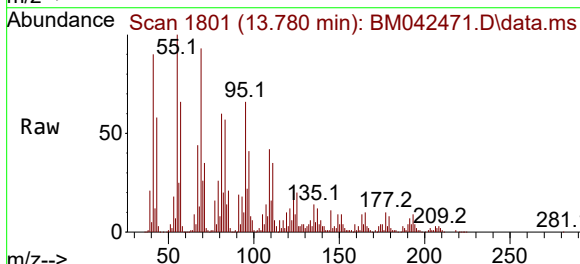
Tgt Ion: 65 Resp: 2891

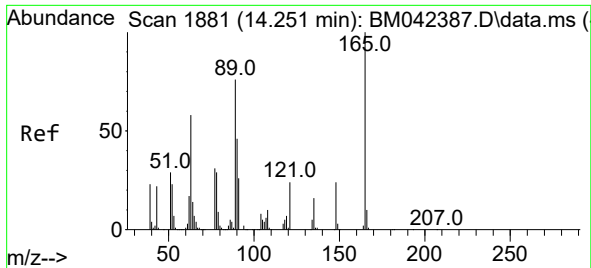
Ion Ratio Lower Upper

65 100

92 44.8 49.0 73.6#

138 51.4 65.5 98.3#

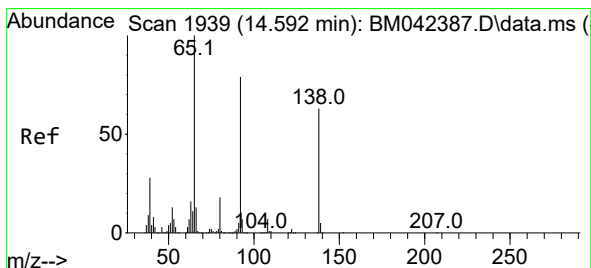
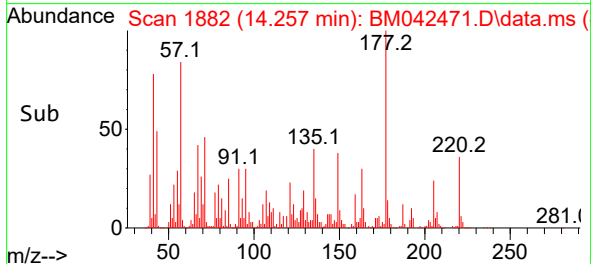
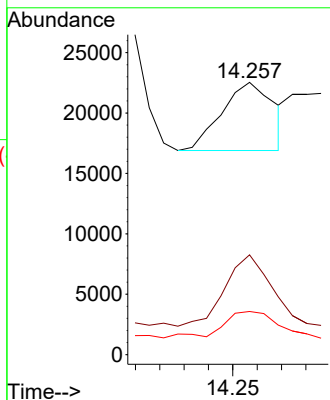
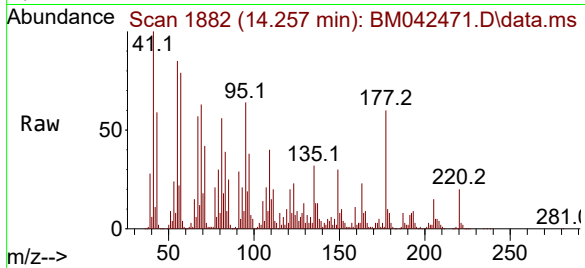




#51
2,6-Dinitrotoluene
Concen: 4.062 ng
RT: 14.257 min Scan# 1882
Delta R.T. 0.006 min
Lab File: BM042471.D
Acq: 27 Oct 2023 02:32

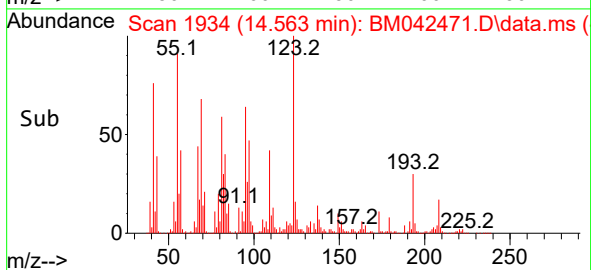
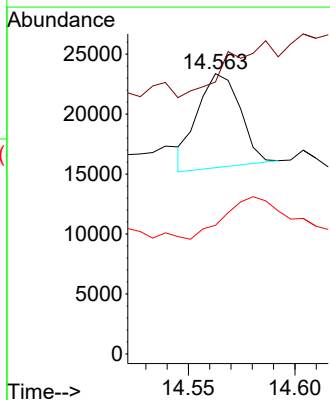
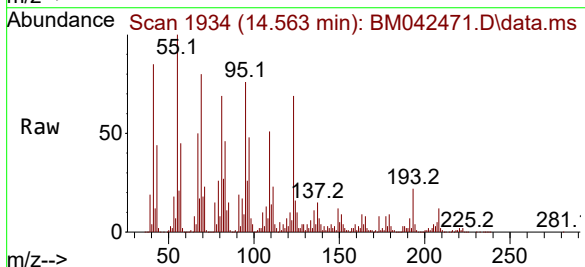
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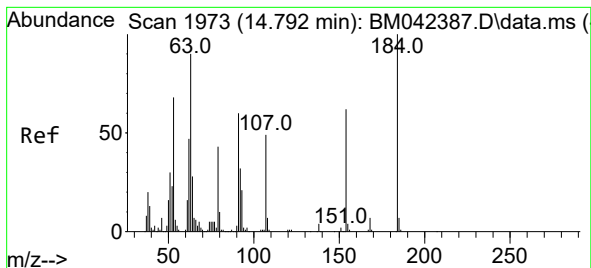
Tgt Ion:165 Resp: 8370
Ion Ratio Lower Upper
165 100
63 36.6 65.3 97.9#
89 15.9 60.6 91.0#



#53
3-Nitroaniline
Concen: 4.550 ng
RT: 14.563 min Scan# 1934
Delta R.T. -0.029 min
Lab File: BM042471.D
Acq: 27 Oct 2023 02:32

Tgt Ion:138 Resp: 10947
Ion Ratio Lower Upper
138 100
108 97.1 8.3 12.5#
92 45.9 100.6 151.0#

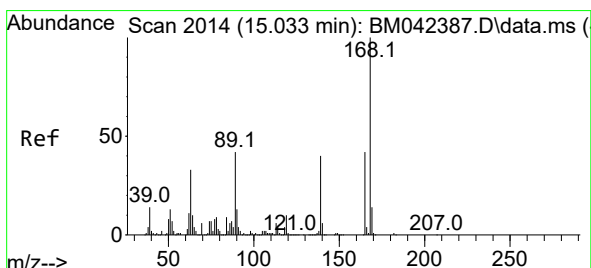
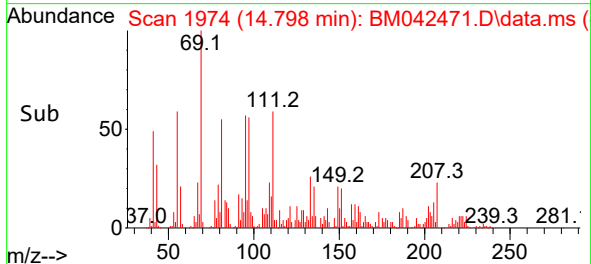
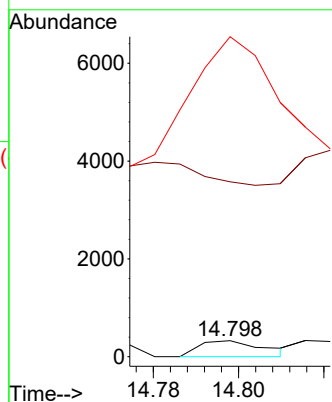
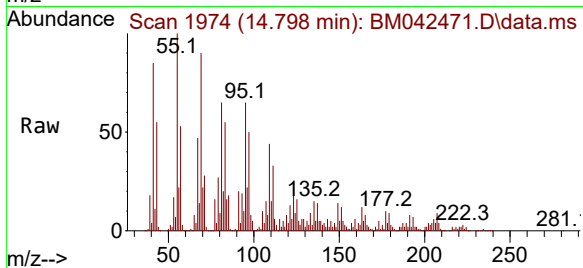




#54
2,4-Dinitrophenol
Concen: 8.243 ng
RT: 14.798 min Scan# 1973
Delta R.T. 0.006 min
Lab File: BM042471.D
Acq: 27 Oct 2023 02:32

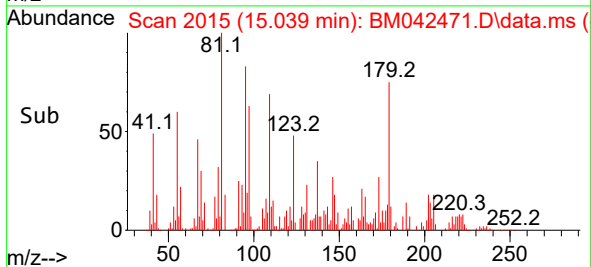
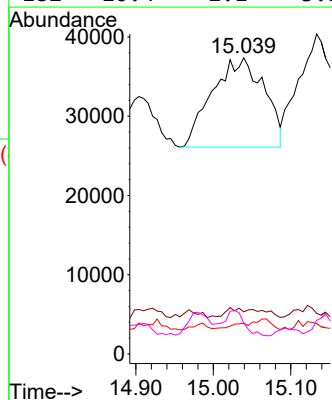
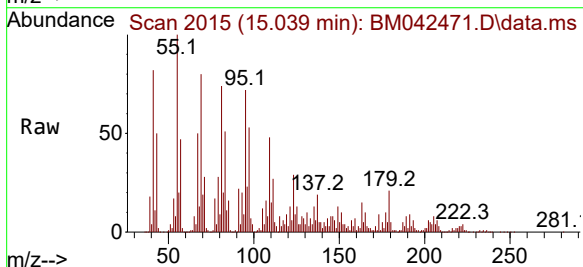
Instrument :
BNA_M
ClientSampleId :
RBR-200010

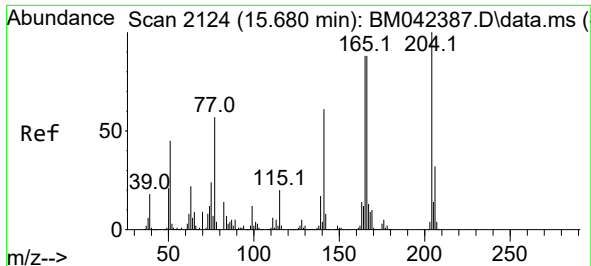
Tgt Ion:184 Resp: 347
Ion Ratio Lower Upper
184 100
63 1093.9 72.2 108.2#
154 2001.2 49.6 74.4#



#57
2,4-Dinitrotoluene
Concen: 9.405 ng
RT: 15.039 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BM042471.D
Acq: 27 Oct 2023 02:32

Tgt Ion:165 Resp: 52294
Ion Ratio Lower Upper
165 100
63 14.2 62.9 94.3#
89 10.4 80.2 120.2#
182 10.4 2.1 3.1#

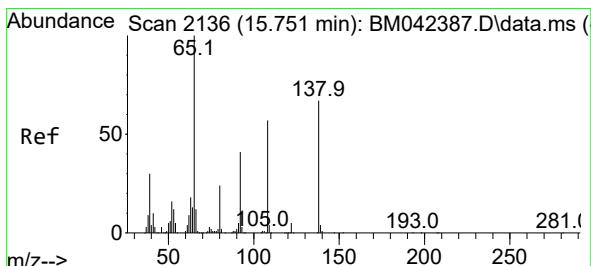
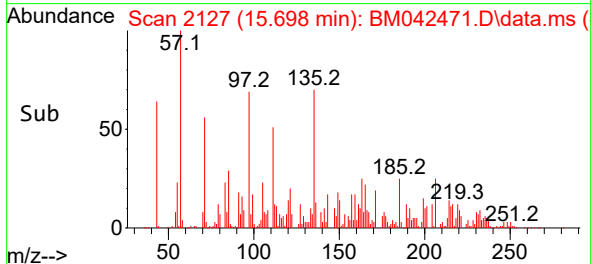
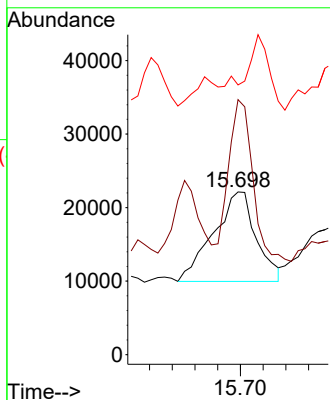
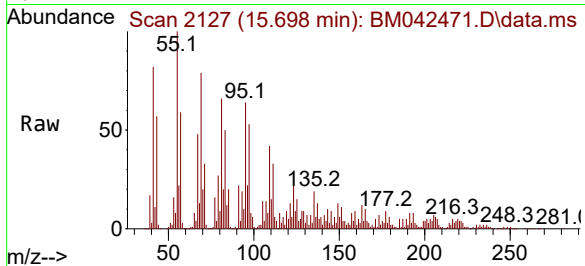




#61
4-Chlorophenyl-phenylether
Concen: 2.352 ng
RT: 15.698 min Scan# 2124
Delta R.T. 0.018 min
Lab File: BM042471.D
Acq: 27 Oct 2023 02:32

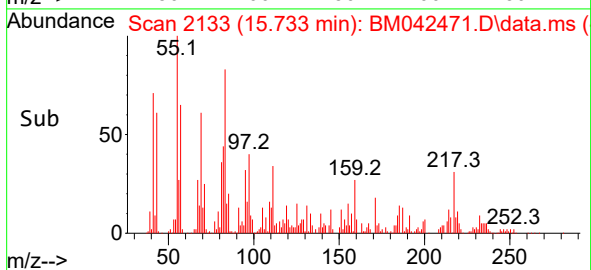
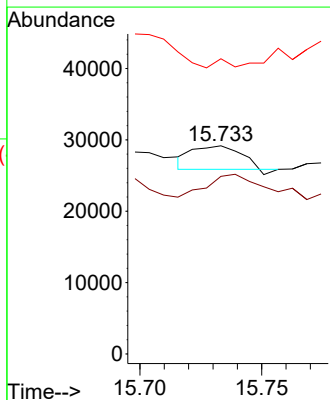
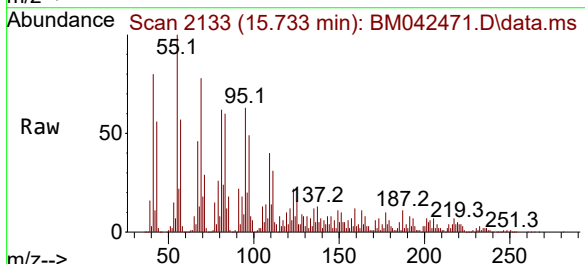
Instrument :
BNA_M
ClientSampleId :
RBR-200010

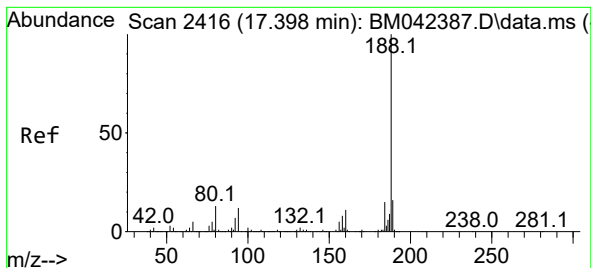
Tgt Ion:204 Resp: 31769
Ion Ratio Lower Upper
204 100
206 156.8 25.4 38.0#
141 165.8 49.1 73.7#



#62
4-Nitroaniline
Concen: 4.336 ng
RT: 15.733 min Scan# 2133
Delta R.T. -0.018 min
Lab File: BM042471.D
Acq: 27 Oct 2023 02:32

Tgt Ion:138 Resp: 4429
Ion Ratio Lower Upper
138 100
92 85.3 40.4 80.4#
108 141.8 65.3 105.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.415 min Scan# 2416

Delta R.T. 0.018 min

Lab File: BM042471.D

Acq: 27 Oct 2023 02:32

Instrument :

BNA_M

ClientSampleId :

RBR-200010

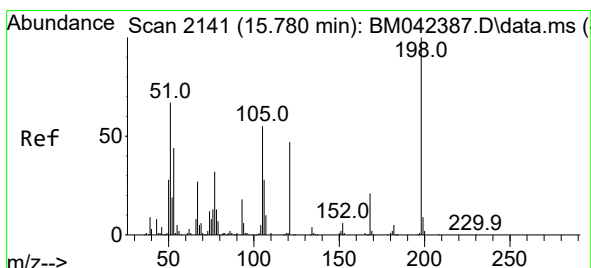
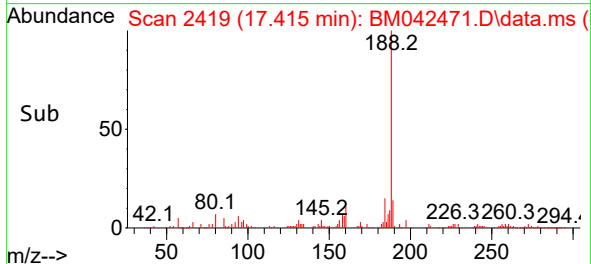
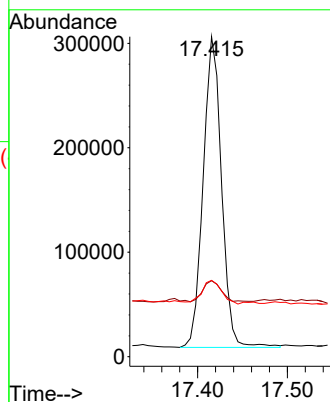
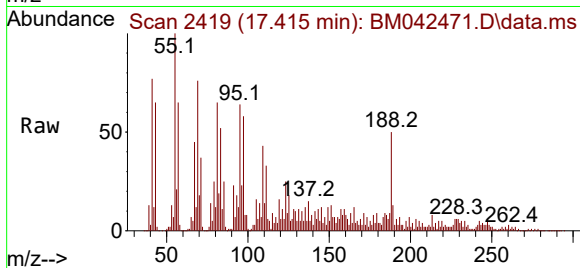
Tgt Ion:188 Resp: 423131

Ion Ratio Lower Upper

188 100

94 23.8 9.4 14.0#

80 23.9 10.7 16.1#



#65

4,6-Dinitro-2-methylphenol

Concen: 7.798 ng

RT: 15.804 min Scan# 2145

Delta R.T. 0.024 min

Lab File: BM042471.D

Acq: 27 Oct 2023 02:32

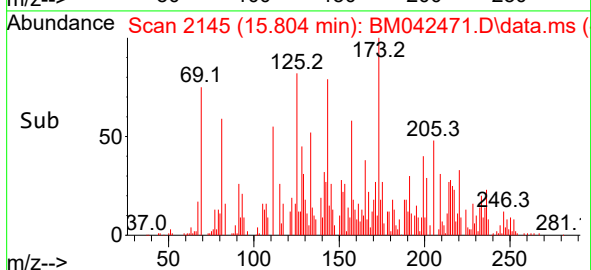
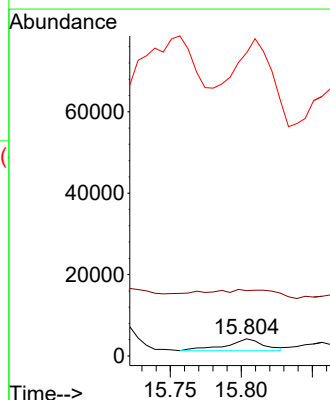
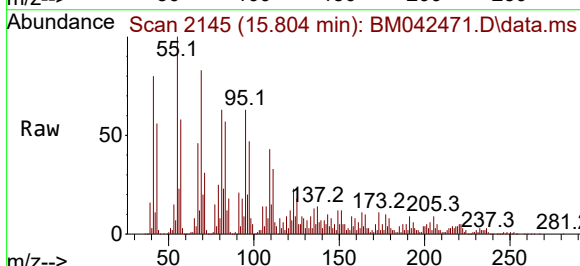
Tgt Ion:198 Resp: 5302

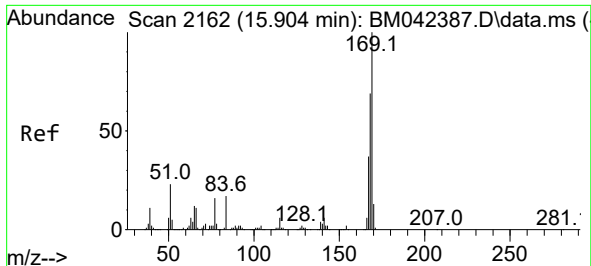
Ion Ratio Lower Upper

198 100

51 382.0 54.1 94.1#

105 1775.9 35.9 75.9#

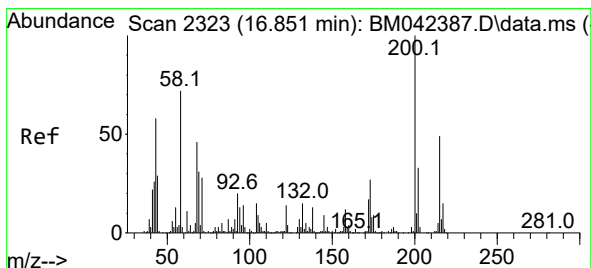
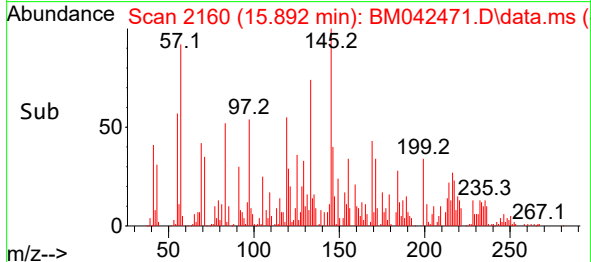
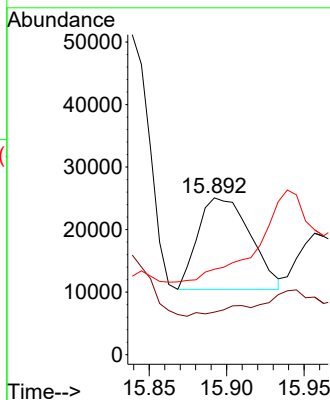
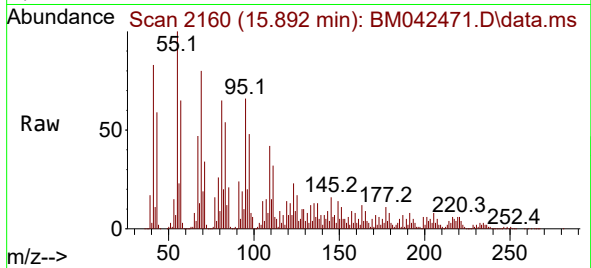




#66
 n-Nitrosodiphenylamine
 Concen: 2.706 ng
 RT: 15.892 min Scan# 2160
 Delta R.T. -0.012 min
 Lab File: BM042471.D
 Acq: 27 Oct 2023 02:32

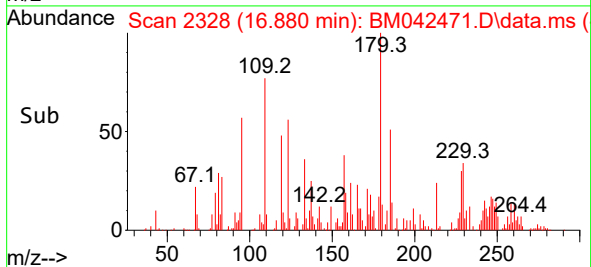
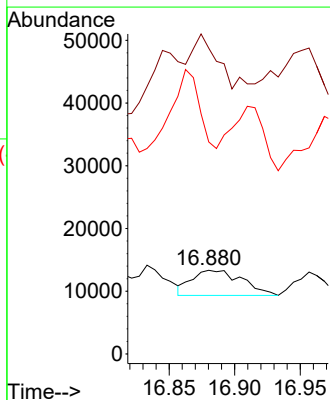
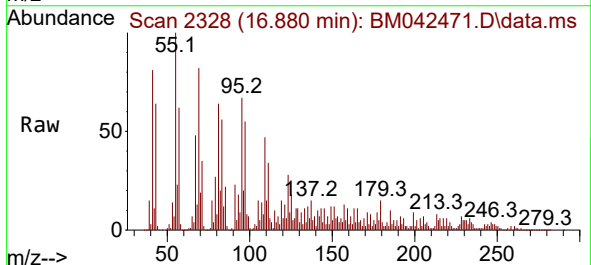
Instrument :
 BNA_M
 ClientSampleId :
 RBR-200010

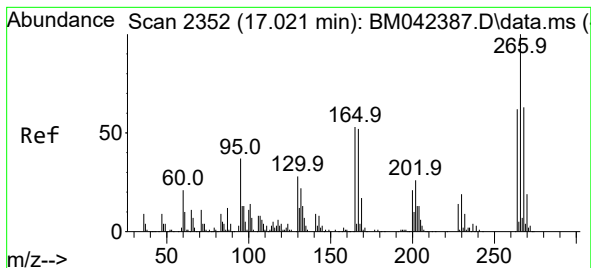
Tgt Ion:169 Resp: 34484
 Ion Ratio Lower Upper
 169 100
 168 27.2 55.4 83.2#
 167 54.5 29.9 44.9#



#69
 Atrazine
 Concen: 3.316 ng
 RT: 16.880 min Scan# 2328
 Delta R.T. 0.029 min
 Lab File: BM042471.D
 Acq: 27 Oct 2023 02:32

Tgt Ion:200 Resp: 10716
 Ion Ratio Lower Upper
 200 100
 173 365.6 6.6 46.6#
 215 253.4 28.6 68.6#





#70

Pentachlorophenol

Concen: 6.460 ng

RT: 17.045 min Scan# 21

Delta R.T. 0.024 min

Lab File: BM042471.D

Acq: 27 Oct 2023 02:32

Instrument :

BNA_M

ClientSampleId :

RBR-200010

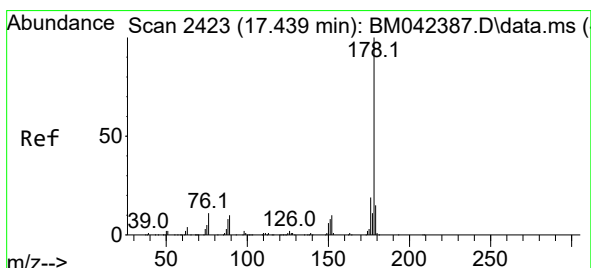
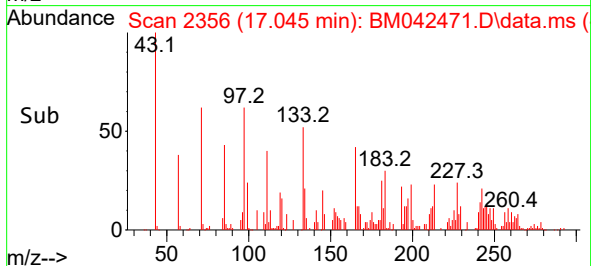
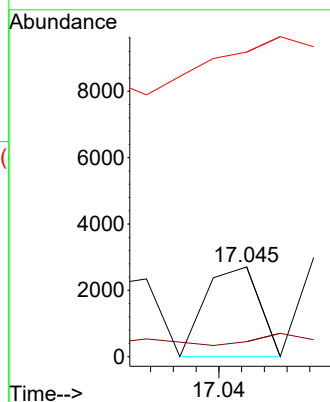
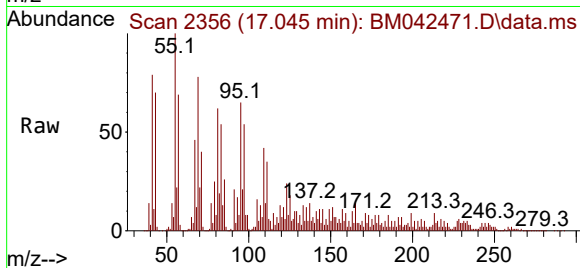
Tgt Ion:266 Resp: 1793

Ion Ratio Lower Upper

266 100

268 5.1 50.6 76.0#

264 103.6 49.4 74.0#



#71

Phenanthrene

Concen: 2.007 ng

RT: 17.463 min Scan# 2427

Delta R.T. 0.024 min

Lab File: BM042471.D

Acq: 27 Oct 2023 02:32

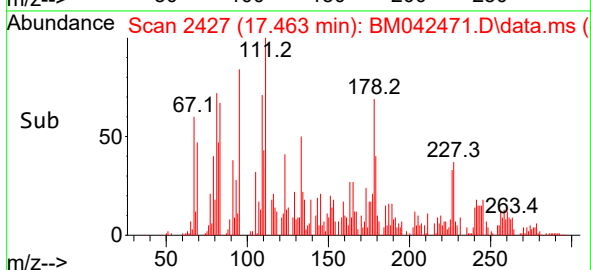
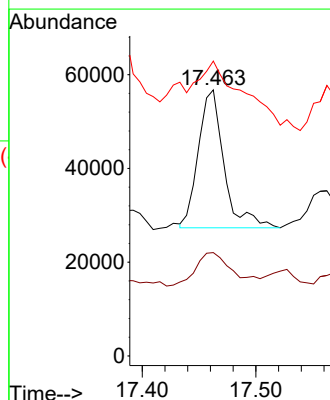
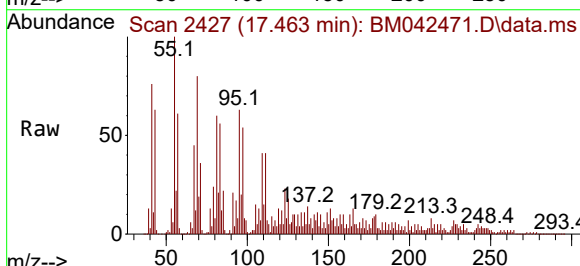
Tgt Ion:178 Resp: 46198

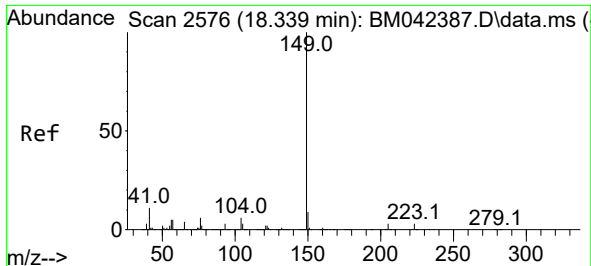
Ion Ratio Lower Upper

178 100

176 38.8 15.4 23.2#

179 110.8 12.3 18.5#

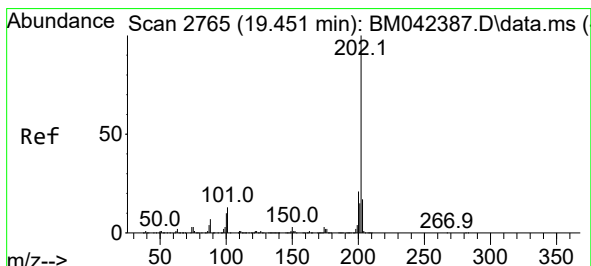
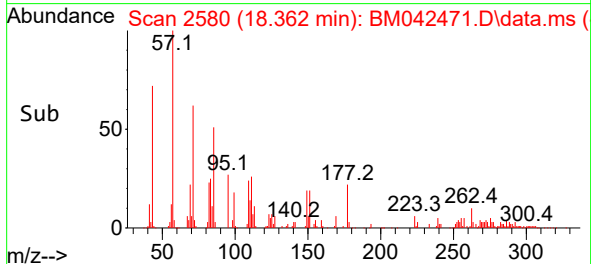
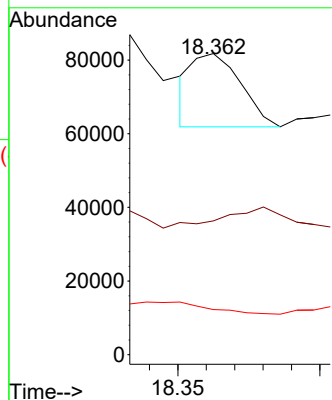
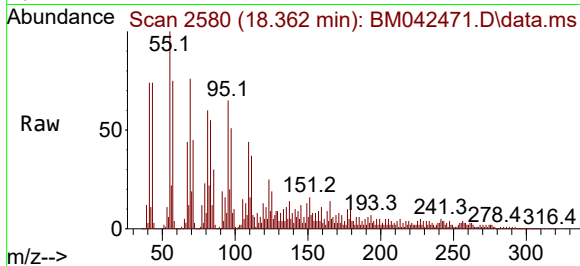




#74
Di-n-butylphthalate
Concen: 3.639 ng
RT: 18.362 min Scan# 21
Delta R.T. 0.023 min
Lab File: BM042471.D
Acq: 27 Oct 2023 02:32

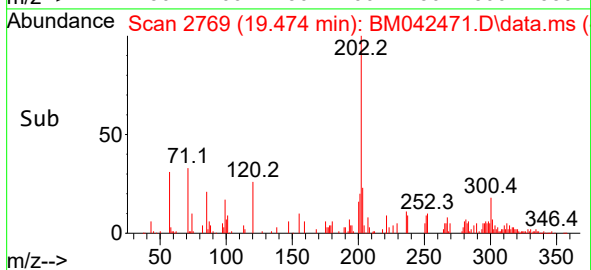
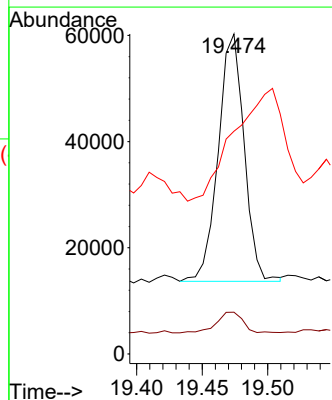
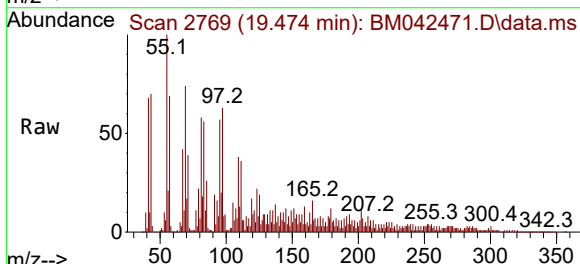
Instrument :
BNA_M
ClientSampleId :
RBR-200010

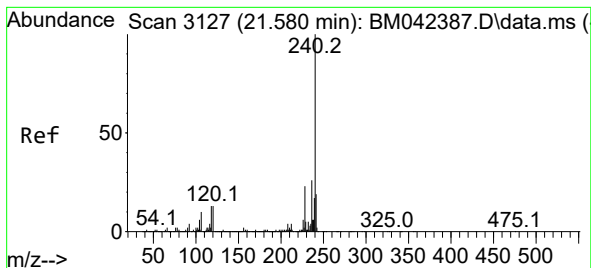
Tgt Ion:149 Resp: 23631
Ion Ratio Lower Upper
149 100
150 44.4 7.4 11.0#
104 15.0 4.6 7.0#



#75
Fluoranthene
Concen: 2.525 ng
RT: 19.474 min Scan# 2769
Delta R.T. 0.024 min
Lab File: BM042471.D
Acq: 27 Oct 2023 02:32

Tgt Ion:202 Resp: 64024
Ion Ratio Lower Upper
202 100
101 13.0 0.0 33.3
203 69.6 0.0 37.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.580 min Scan# 31

Delta R.T. -0.000 min

Lab File: BM042471.D

Acq: 27 Oct 2023 02:32

Instrument :

BNA_M

ClientSampleId :

RBR-200010

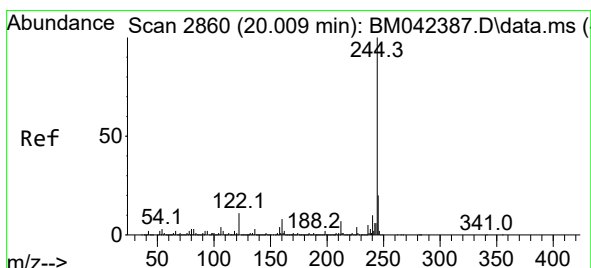
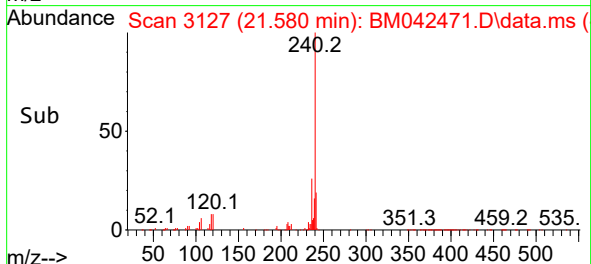
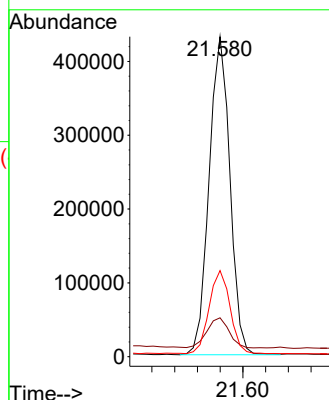
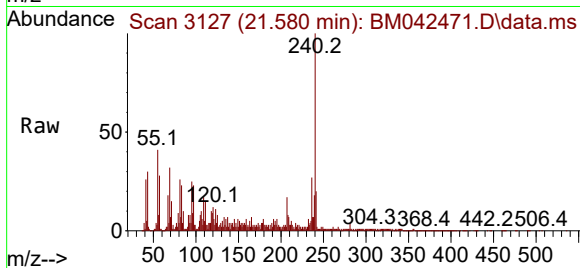
Tgt Ion:240 Resp: 548573

Ion Ratio Lower Upper

240 100

120 12.1 10.7 16.1

236 26.9 20.7 31.1



#79

Terphenyl-d14

Concen: 20.907 ng

RT: 20.021 min Scan# 2862

Delta R.T. 0.012 min

Lab File: BM042471.D

Acq: 27 Oct 2023 02:32

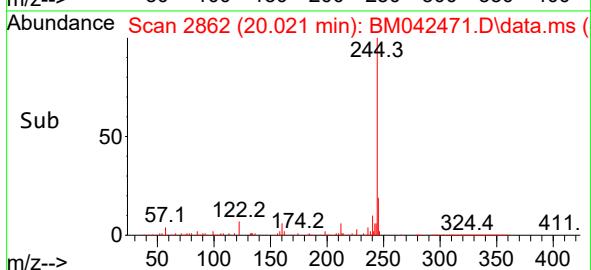
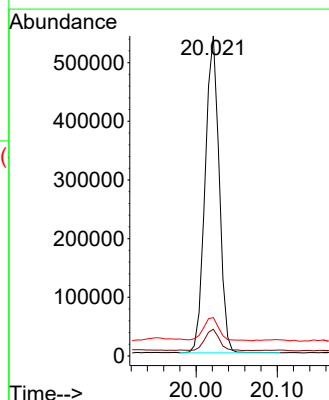
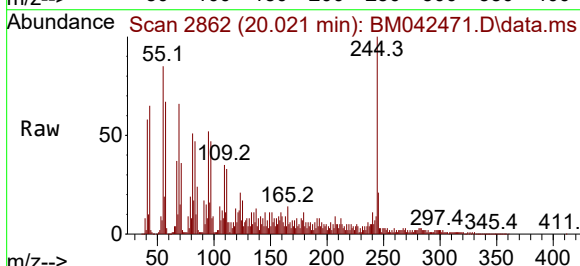
Tgt Ion:244 Resp: 646700

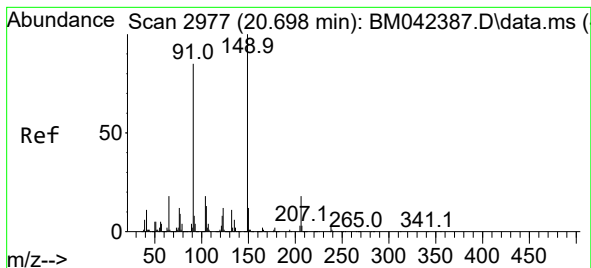
Ion Ratio Lower Upper

244 100

212 8.4 5.6 8.4

122 12.0 8.8 13.2





#80

Butylbenzylphthalate

Concen: 3.557 ng

RT: 20.668 min Scan# 2977

Delta R.T. -0.030 min

Lab File: BM042471.D

Acq: 27 Oct 2023 02:32

Instrument :

BNA_M

ClientSampleId :

RBR-200010

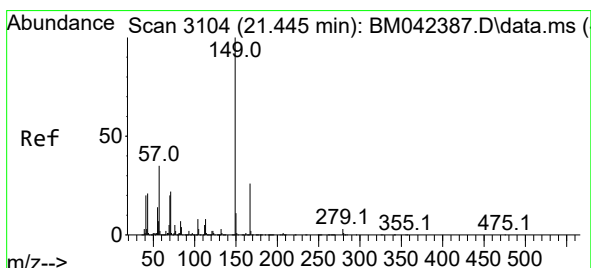
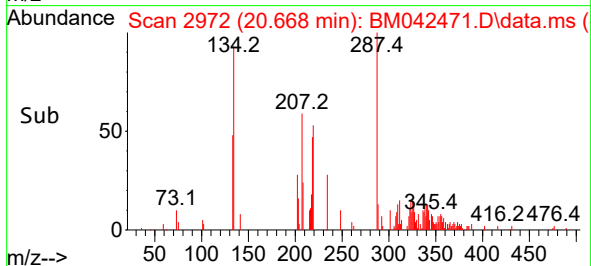
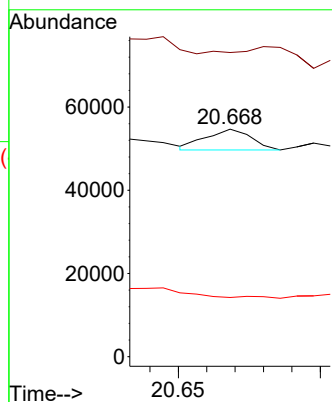
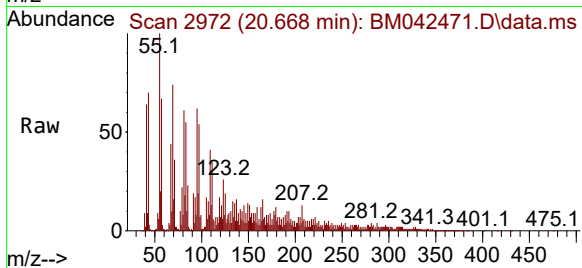
Tgt Ion:149 Resp: 5560

Ion Ratio Lower Upper

149 100

91 133.6 68.3 102.5#

206 26.0 14.6 22.0#



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.944 ng

RT: 21.433 min Scan# 3102

Delta R.T. -0.012 min

Lab File: BM042471.D

Acq: 27 Oct 2023 02:32

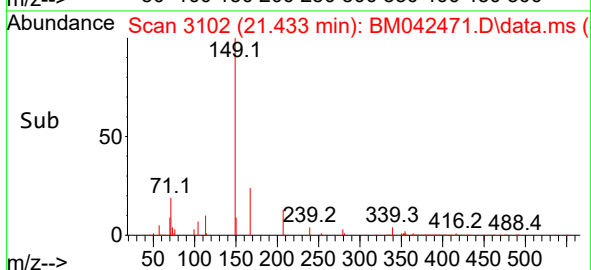
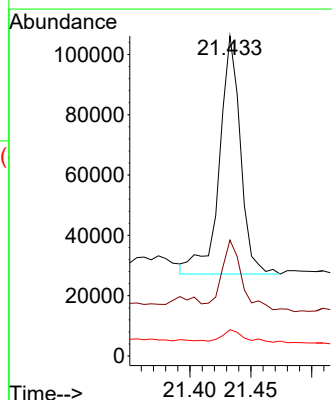
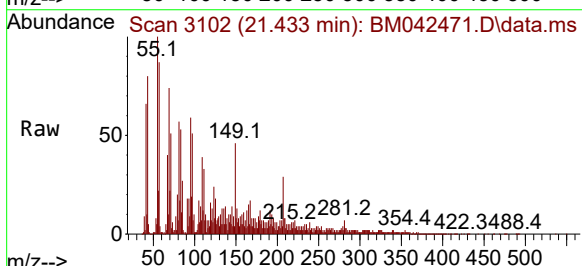
Tgt Ion:149 Resp: 94980

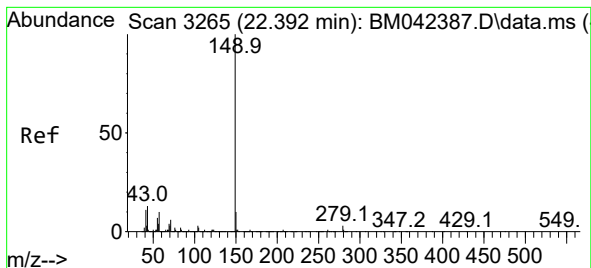
Ion Ratio Lower Upper

149 100

167 36.2 20.9 31.3#

279 8.2 2.7 4.1#





#85

Di-n-octyl phthalate

Concen: 4.270 ng

RT: 22.368 min Scan# 31

Delta R.T. -0.024 min

Lab File: BM042471.D

Acq: 27 Oct 2023 02:32

Instrument :

BNA_M

ClientSampleId :

RBR-200010

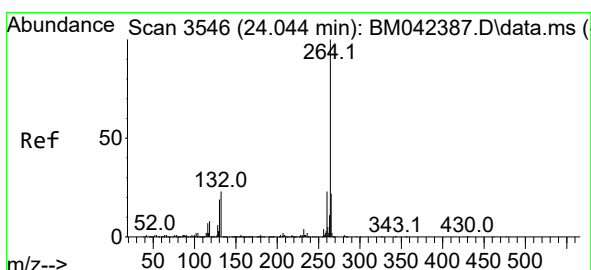
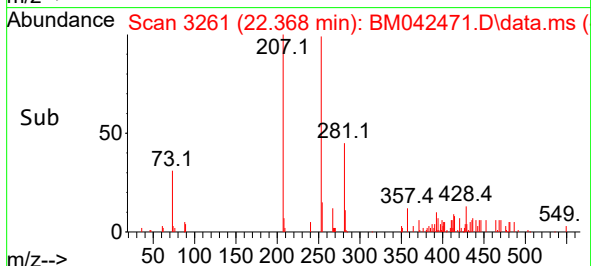
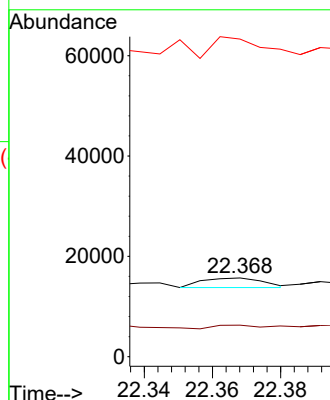
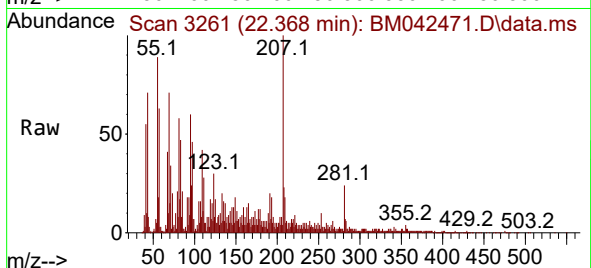
Tgt Ion:149 Resp: 2408

Ion Ratio Lower Upper

149 100

167 31.8 1.2 1.8#

43 0.0 11.0 16.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.033 min Scan# 3544

Delta R.T. -0.012 min

Lab File: BM042471.D

Acq: 27 Oct 2023 02:32

Tgt Ion:264 Resp: 640249

Ion Ratio Lower Upper

264 100

260 24.0 18.6 27.8

265 22.5 17.8 26.8

