

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102623\
 Data File : BM042469.D
 Acq On : 27 Oct 2023 01:19
 Operator : MA/JU
 Sample : 05011-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RBR-200027

Quant Time: Oct 27 02:06:01 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	7.992	152	190021	20.000	ng	0.00
21) Naphthalene-d8	10.810	136	712076	20.000	ng	-0.01
39) Acenaphthene-d10	14.645	164	295363	20.000	ng	0.00
64) Phenanthrene-d10	17.421	188	275360	20.000	ng	# 0.02
76) Chrysene-d12	21.580	240	475067	20.000	ng	0.00
86) Perylene-d12	24.038	264	583080	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	453343	33.718	ng	0.00
7) Phenol-d6	7.145	99	585439	32.492	ng	0.00
23) Nitrobenzene-d5	9.186	82	387456	24.061	ng	-0.01
42) 2,4,6-Tribromophenol	16.151	330	95854	36.540	ng	0.01
45) 2-Fluorobiphenyl	13.257	172	664982	30.318	ng	-0.01
79) Terphenyl-d14	20.021	244	490509	18.311	ng	0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	7.175	77	28638	2.729	ng	# 1
11) bis(2-Chloroethyl)ether	7.381	93	42403	2.774	ng	# 23
18) Hexachloroethane	9.081	117	45427	8.495	ng	# 18
22) Acetophenone	8.763	105	155264	7.992	ng	# 52
25) Isophorone	9.675	82	56803	2.076	ng	# 1
26) 2-Nitrophenol	9.910	139	1598	2.951	ng	# 1
32) Benzoic acid	10.039	122	6212	6.004	ng	# 1
35) Caprolactam	11.833	113	2682	6.542	ng	# 1
37) 2-Methylnaphthalene	12.469	142	84088	3.415	ng	97
38) 1-Methylnaphthalene	12.469	142	84088	3.646	ng	99
48) 2-Nitroaniline	13.733	65	10062	4.864	ng	# 43
51) 2,6-Dinitrotoluene	14.280	165	20537	6.833	ng	# 26
52) Acenaphthene	14.710	154	96358	5.743	ng	# 82
53) 3-Nitroaniline	14.568	138	24447	7.193	ng	# 19
54) 2,4-Dinitrophenol	14.821	184	515	8.321	ng	# 1
55) Dibenzofuran	15.045	168	322981	12.170	ng	# 87
56) 4-Nitrophenol	14.845	139	38723	8.776	ng	# 1
57) 2,4-Dinitrotoluene	15.027	165	88053	16.382	ng	# 40
58) Fluorene	15.704	166	314265	15.007	ng	# 86
60) Diethylphthalate	15.457	149	67250	3.146	ng	# 1
61) 4-Chlorophenyl-phenyle...	15.704	204	35220	3.571	ng	# 1
62) 4-Nitroaniline	15.733	138	7600	5.058	ng	# 51
65) 4,6-Dinitro-2-methylph...	15.810	198	15099	13.581	ng	# 1
66) n-Nitrosodiphenylamine	15.898	169	290746	35.056	ng	# 43
69) Atrazine	16.898	200	10548	5.015	ng	# 1
70) Pentachlorophenol	17.039	266	2274	6.910	ng	# 14
71) Phenanthrene	17.468	178	1707670	113.999	ng	# 94
72) Anthracene	17.556	178	283716	19.124	ng	# 71
73) Carbazole	17.833	167	130534	9.379	ng	# 35
74) Di-n-butylphthalate	18.339	149	41377	5.027	ng	# 33
75) Fluoranthene	19.480	202	1045411	63.367	ng	90
78) Pyrene	19.845	202	803034	24.190	ng	# 92
80) Butylbenzylphthalate	20.697	149	19227	4.449	ng	# 42
81) Benzo(a)anthracene	21.568	228	359976	11.303	ng	# 94
83) Chrysene	21.621	228	440008	14.385	ng	# 93
84) Bis(2-ethylhexyl)phtha...	21.433	149	233742	13.528	ng	# 84

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Misc :
ALS Vial : 18 Sample Multiplier: 1

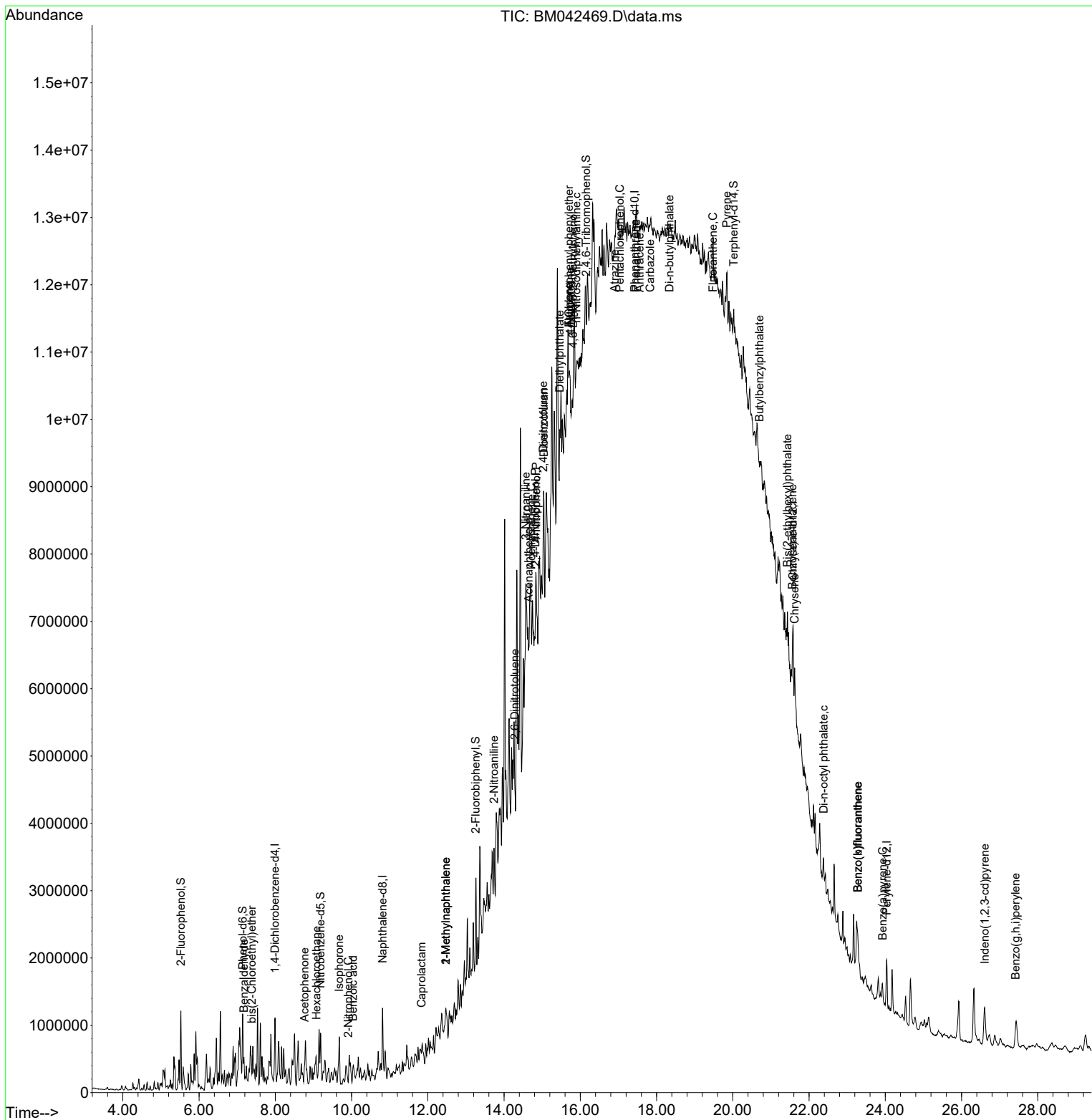
Instrument :
BNA_M
ClientSampleId :
RBR-200027

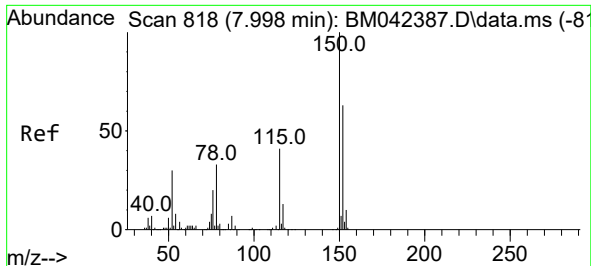
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 21 02:32:53 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Di-n-octyl phthalate	22.380	149	89608	6.435	ng	# 96
87) Indeno(1,2,3-cd)pyrene	26.609	276	132961	3.120	ng	# 92
88) Benzo(b)fluoranthene	23.280	252	376343	10.723	ng	# 93
89) Benzo(k)fluoranthene	23.280	252	376343	10.328	ng	# 93
90) Benzo(a)pyrene	23.927	252	195636	5.791	ng	# 95
92) Benzo(g,h,i)perylene	27.421	276	126074	3.664	ng	94

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

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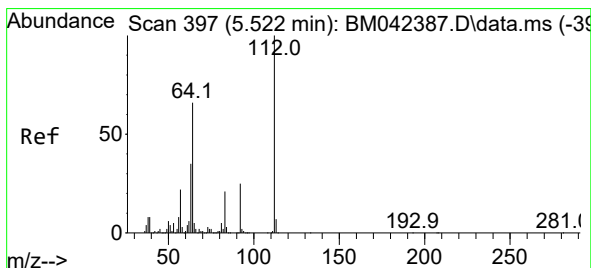
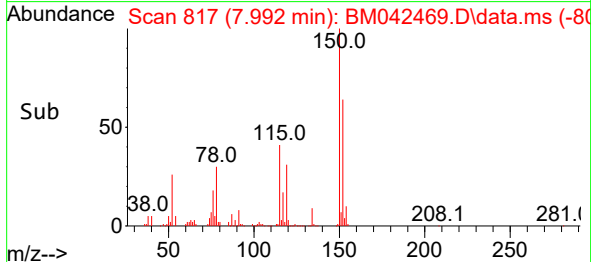
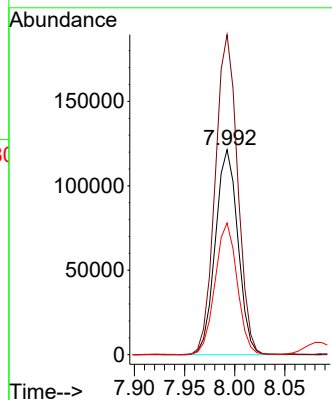
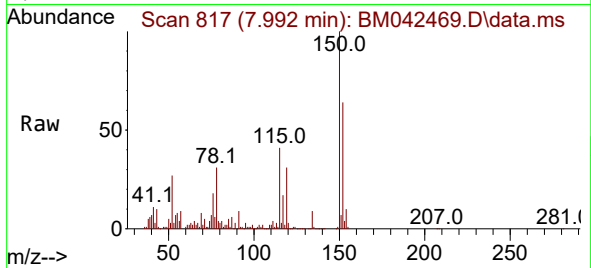




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.992 min Scan# 818
 Delta R.T. -0.006 min
 Lab File: BM042469.D
 Acq: 27 Oct 2023 01:19

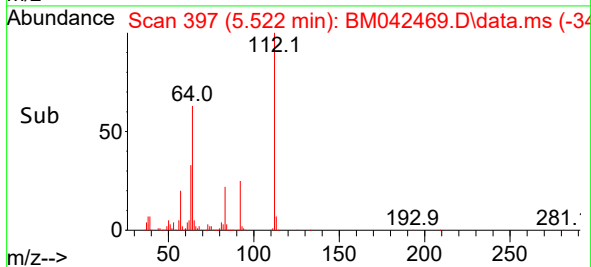
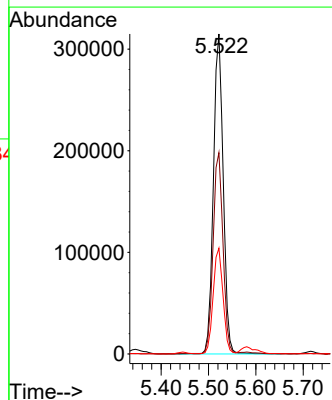
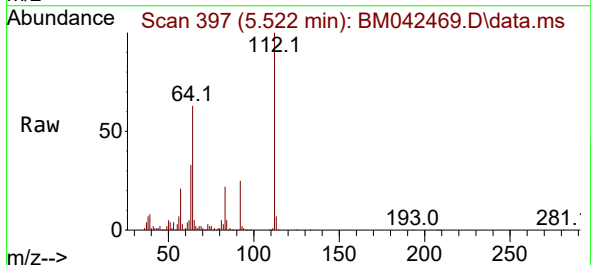
Instrument :
 BNA_M
 ClientSampleId :
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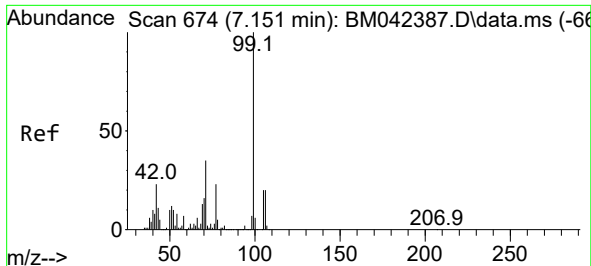
Tgt Ion:152 Resp: 190021
 Ion Ratio Lower Upper
 152 100
 150 156.1 126.2 189.4
 115 64.2 51.9 77.9



#5
 2-Fluorophenol
 Concen: 33.718 ng
 RT: 5.522 min Scan# 397
 Delta R.T. -0.000 min
 Lab File: BM042469.D
 Acq: 27 Oct 2023 01:19

Tgt Ion:112 Resp: 453343
 Ion Ratio Lower Upper
 112 100
 64 62.9 52.7 79.1
 63 33.1 28.3 42.5

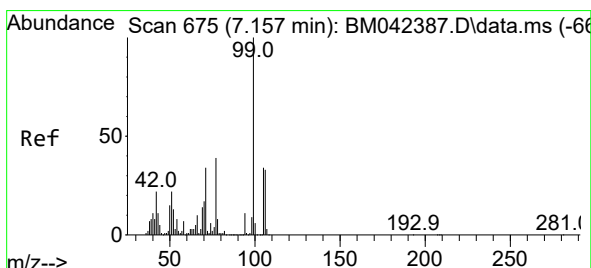
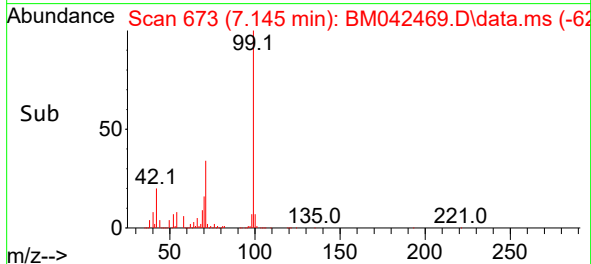
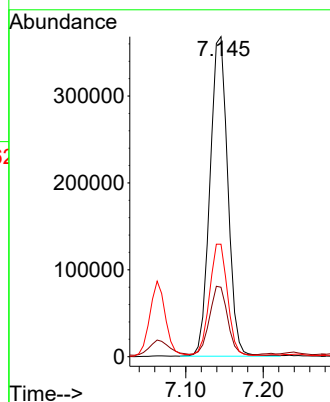
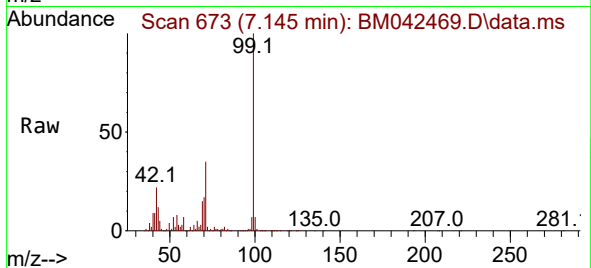




#7
Phenol-d6
Concen: 32.492 ng
RT: 7.145 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

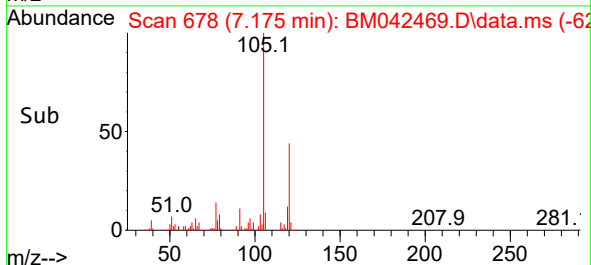
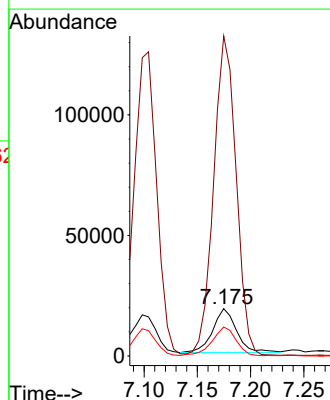
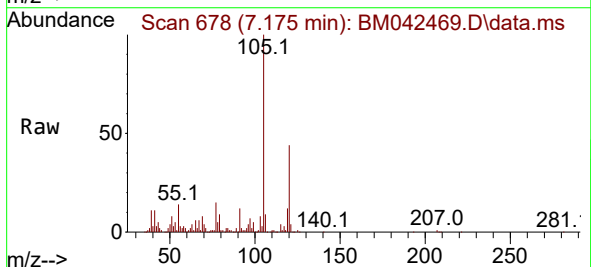
Instrument :
BNA_M
ClientSampleId :
RBR-200027

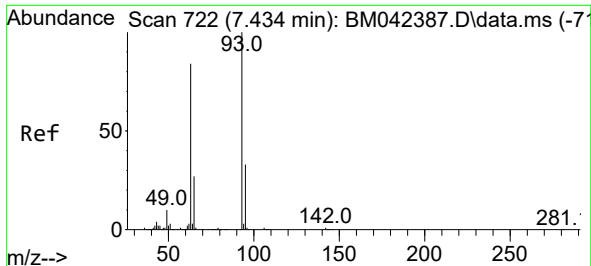
Tgt Ion: 99 Resp: 585439
Ion Ratio Lower Upper
99 100
42 21.7 18.5 27.7
71 35.2 27.7 41.5



#9
Benzaldehyde
Concen: 2.729 ng
RT: 7.175 min Scan# 678
Delta R.T. 0.018 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

Tgt Ion: 77 Resp: 28638
Ion Ratio Lower Upper
77 100
105 675.3 68.7 108.7#
106 61.2 65.8 105.8#

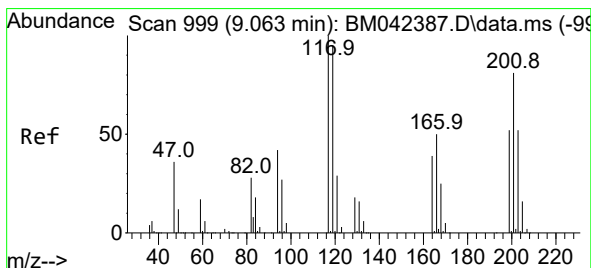
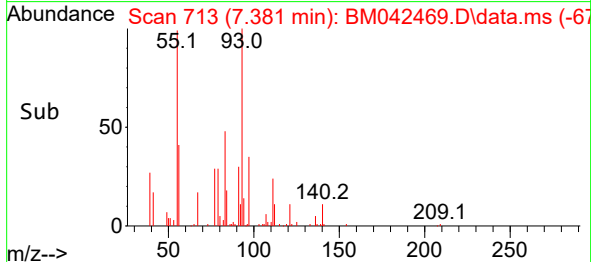
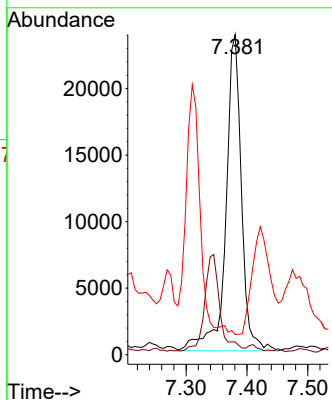
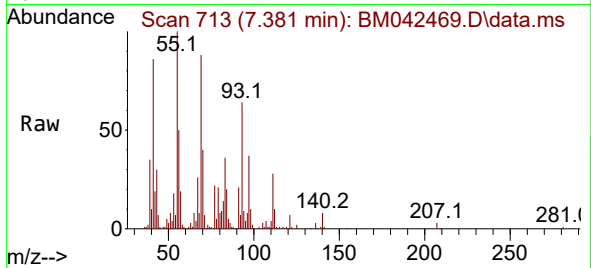




#11
bis(2-Chloroethyl)ether
Concen: 2.774 ng
RT: 7.381 min Scan# 713
Delta R.T. -0.053 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

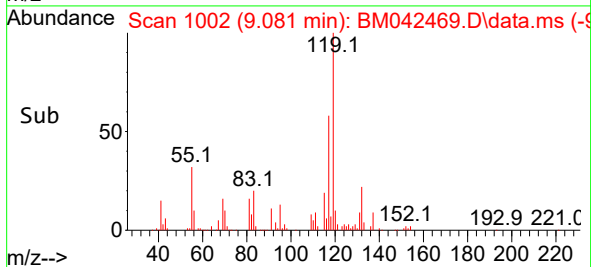
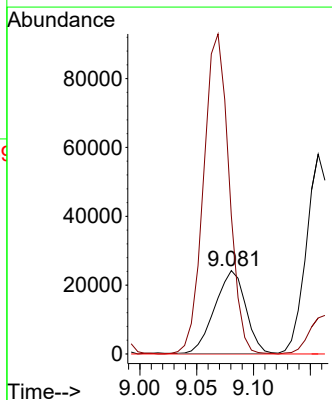
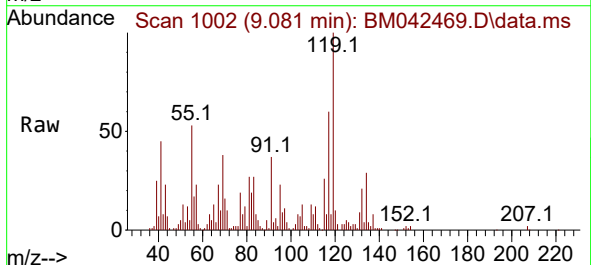
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ClientSampleId :
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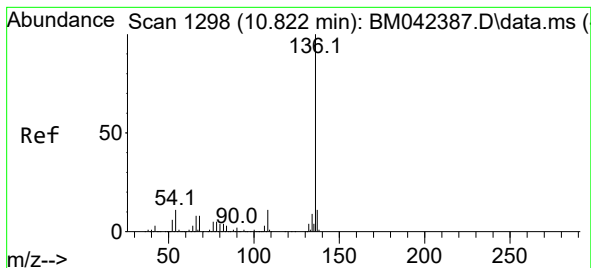
Tgt Ion: 93 Resp: 42403
Ion Ratio Lower Upper
93 100
63 4.0 64.2 104.2#
95 6.3 12.6 52.6#



#18
Hexachloroethane
Concen: 8.495 ng
RT: 9.081 min Scan# 1002
Delta R.T. 0.018 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

Tgt Ion: 117 Resp: 45427
Ion Ratio Lower Upper
117 100
119 166.2 75.9 113.9#
201 0.0 64.6 97.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.810 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM042469.D

Acq: 27 Oct 2023 01:19

Instrument :

BNA_M

ClientSampleId :

RBR-200027

Tgt Ion:136 Resp: 712076

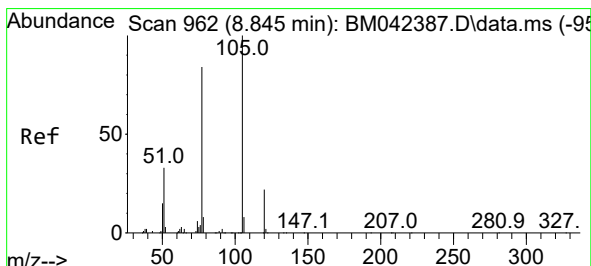
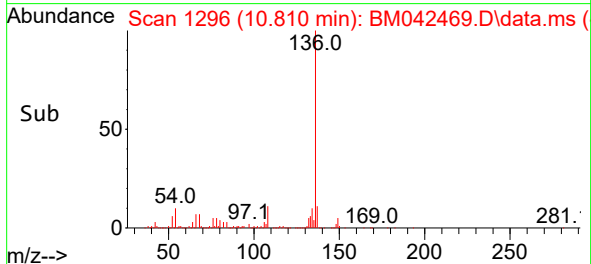
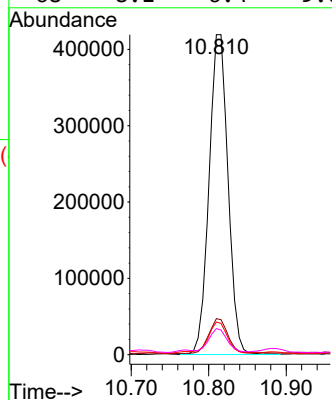
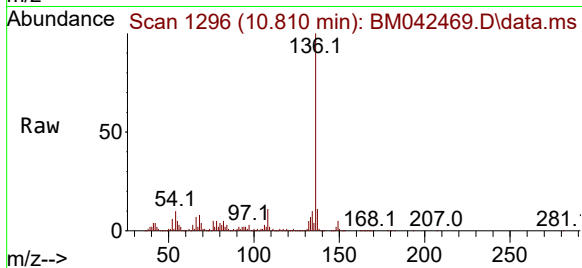
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 10.2 8.6 12.8

68 8.1 6.4 9.6



#22

Acetophenone

Concen: 7.992 ng

RT: 8.763 min Scan# 948

Delta R.T. -0.082 min

Lab File: BM042469.D

Acq: 27 Oct 2023 01:19

Tgt Ion:105 Resp: 155264

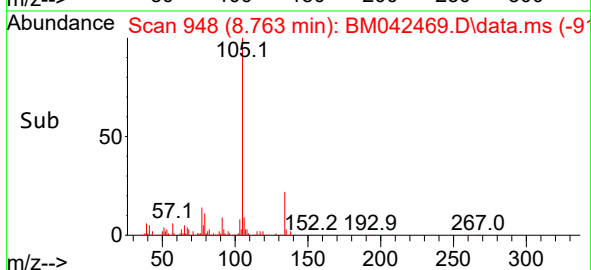
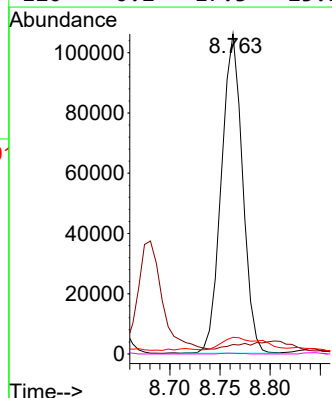
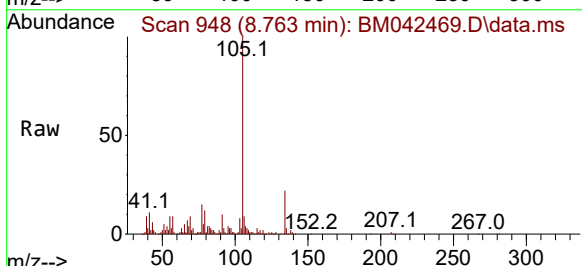
Ion Ratio Lower Upper

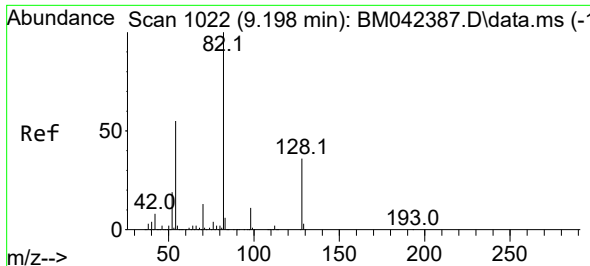
105 100

71 3.0 0.1 0.1#

51 5.2 27.1 40.7#

120 0.2 17.3 25.9#

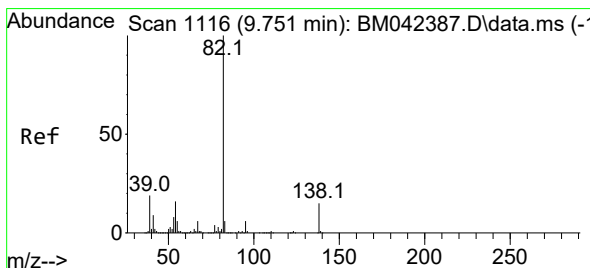
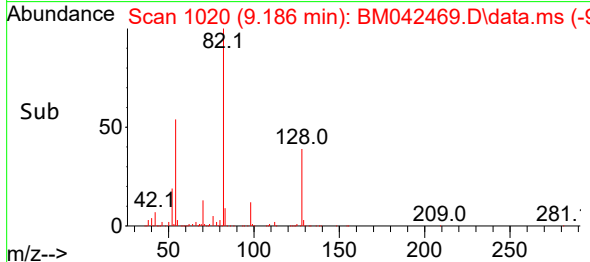
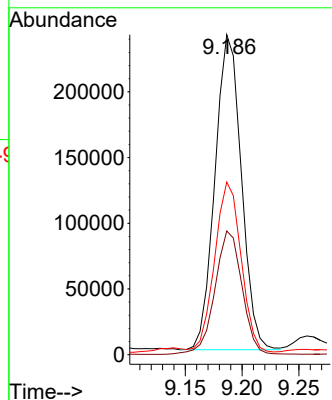
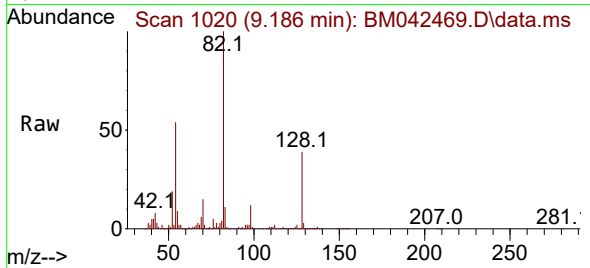




#23
Nitrobenzene-d5
Concen: 24.061 ng
RT: 9.186 min Scan# 1103
Delta R.T. -0.012 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

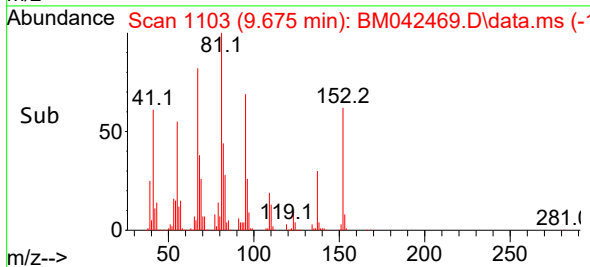
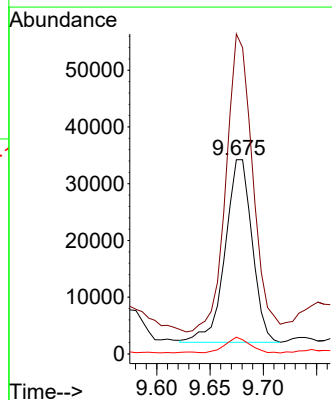
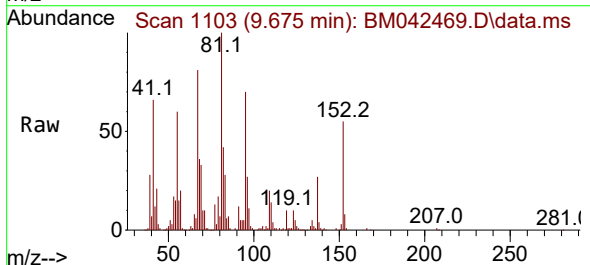
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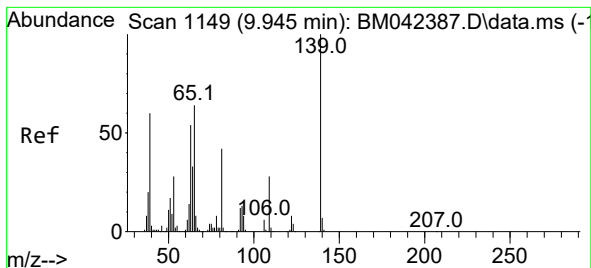
Tgt Ion: 82 Resp: 387456
Ion Ratio Lower Upper
82 100
128 38.7 29.0 43.6
54 53.9 43.7 65.5



#25
Isophorone
Concen: 2.076 ng
RT: 9.675 min Scan# 1103
Delta R.T. -0.077 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

Tgt Ion: 82 Resp: 56803
Ion Ratio Lower Upper
82 100
95 164.7 5.1 7.7#
138 8.7 11.8 17.6#

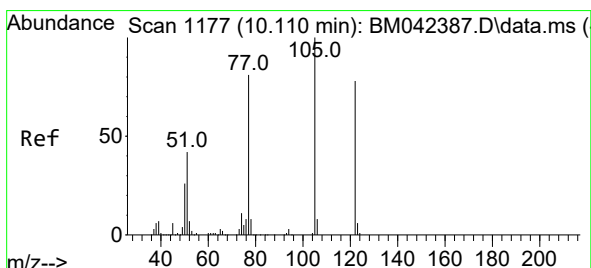
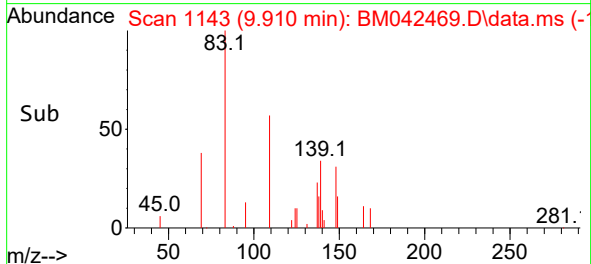
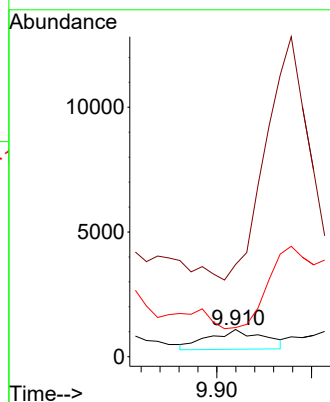
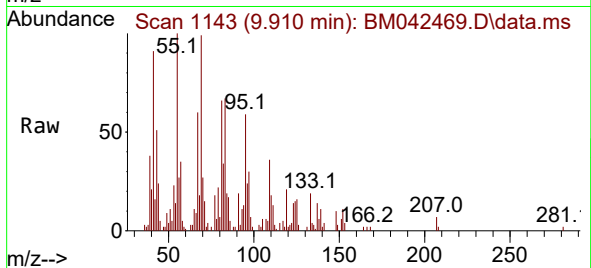




#26
2-Nitrophenol
Concen: 2.951 ng
RT: 9.910 min Scan# 1143
Delta R.T. -0.035 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

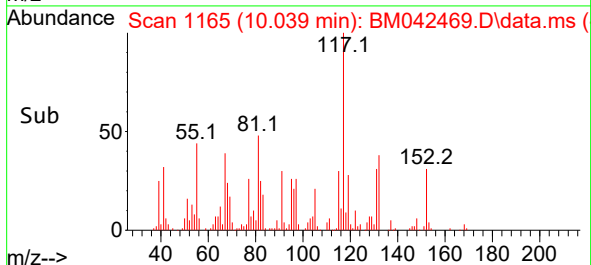
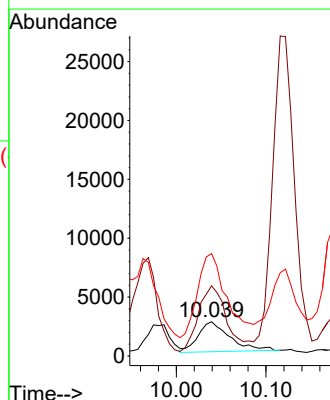
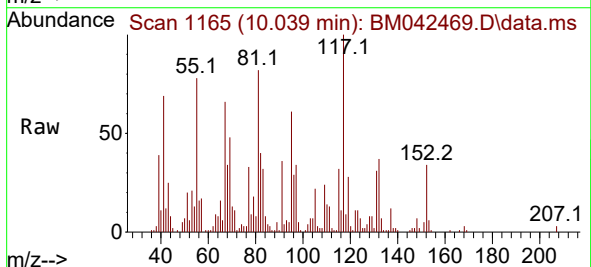
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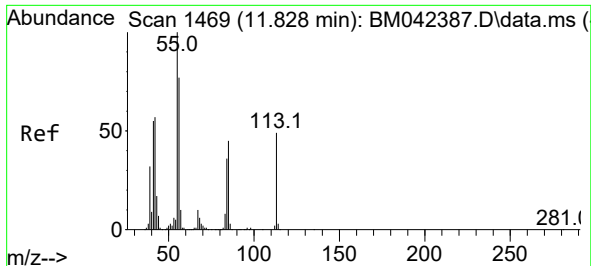
Tgt Ion:139 Resp: 1598
Ion Ratio Lower Upper
139 100
109 338.3 22.3 33.5#
65 107.0 51.1 76.7#



#32
Benzoic acid
Concen: 6.004 ng
RT: 10.039 min Scan# 1165
Delta R.T. -0.071 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

Tgt Ion:122 Resp: 6212
Ion Ratio Lower Upper
122 100
105 204.3 104.9 144.9#
77 298.4 83.4 123.4#

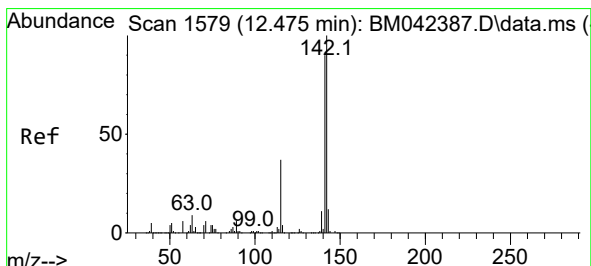
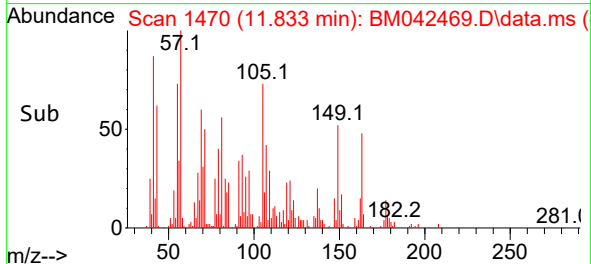
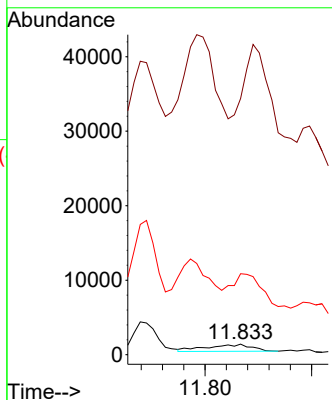
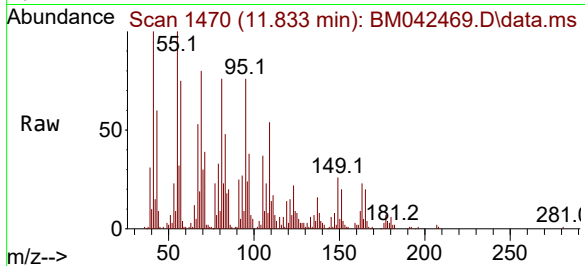




#35
Caprolactam
Concen: 6.542 ng
RT: 11.833 min Scan# 1469
Delta R.T. 0.005 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

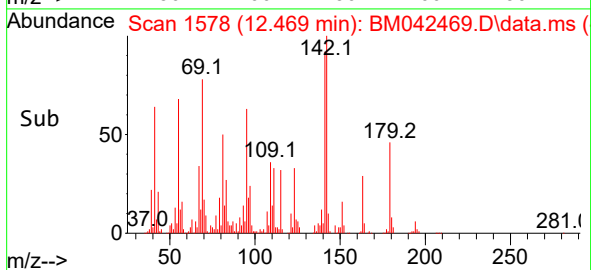
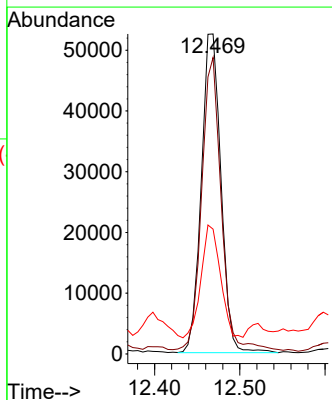
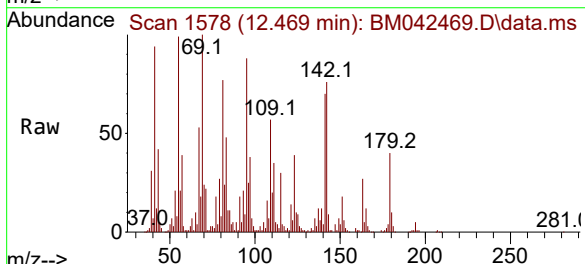
Instrument :
BNA_M
ClientSampleId :
RBR-200027

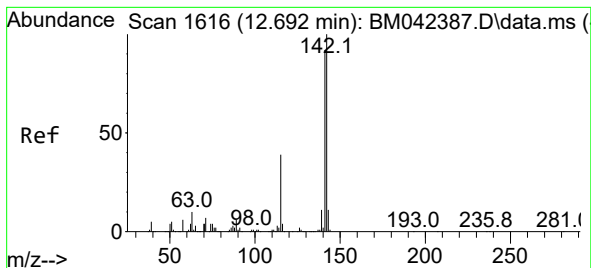
Tgt Ion:113 Resp: 2682
Ion Ratio Lower Upper
113 100
55 2421.4 185.6 225.6#
56 766.0 137.8 177.8#



#37
2-Methylnaphthalene
Concen: 3.415 ng
RT: 12.469 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

Tgt Ion:142 Resp: 84088
Ion Ratio Lower Upper
142 100
141 92.7 72.0 108.0
115 39.0 29.4 44.2





#38

1-Methylnaphthalene

Concen: 3.646 ng

RT: 12.469 min Scan# 1

Delta R.T. -0.224 min

Lab File: BM042469.D

Acq: 27 Oct 2023 01:19

Instrument :

BNA_M

ClientSampleId :

RBR-200027

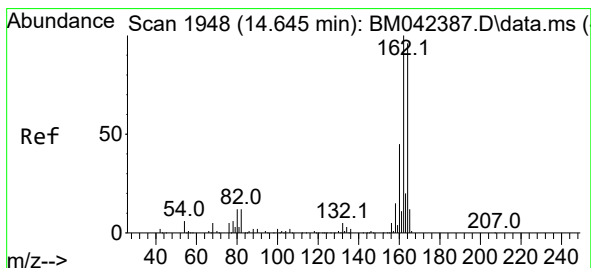
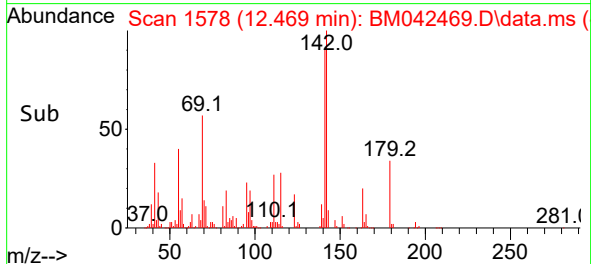
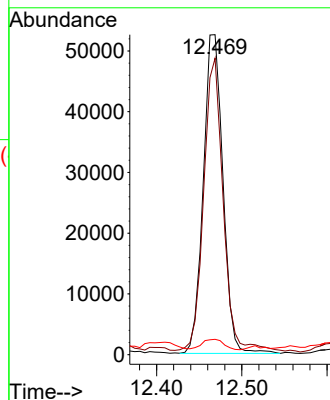
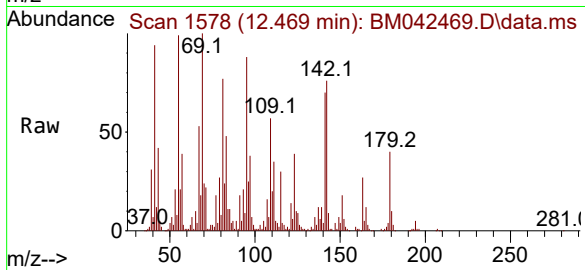
Tgt Ion:142 Resp: 84088

Ion Ratio Lower Upper

142 100

141 92.7 73.8 110.6

116 4.8 3.3 4.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.645 min Scan# 1948

Delta R.T. -0.000 min

Lab File: BM042469.D

Acq: 27 Oct 2023 01:19

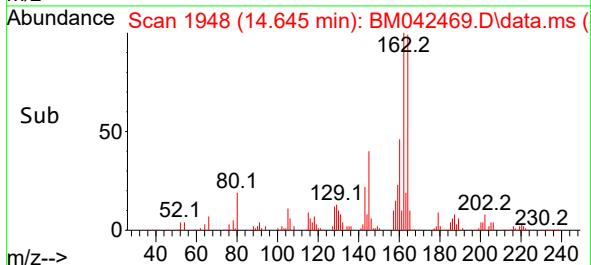
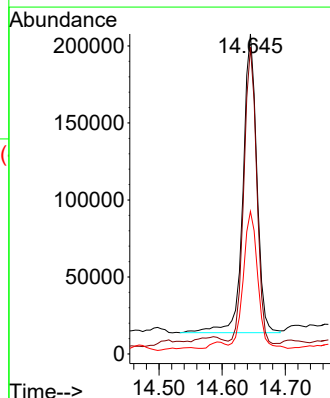
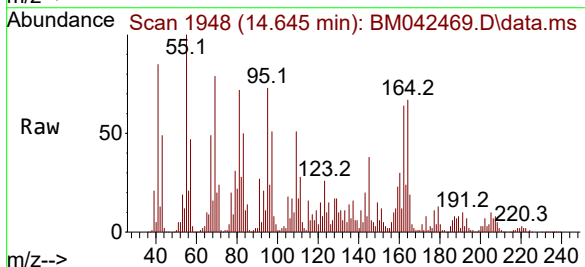
Tgt Ion:164 Resp: 295363

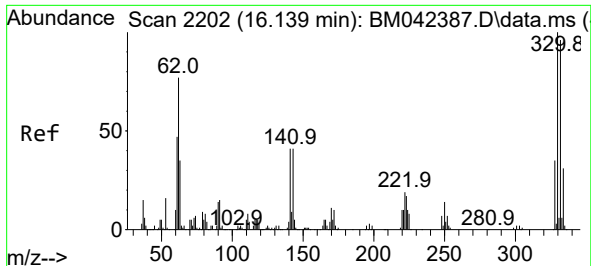
Ion Ratio Lower Upper

164 100

162 95.8 83.0 124.4

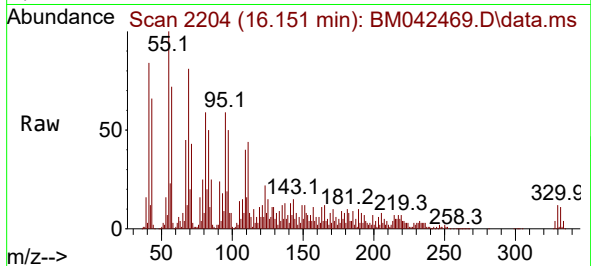
160 44.5 37.0 55.4



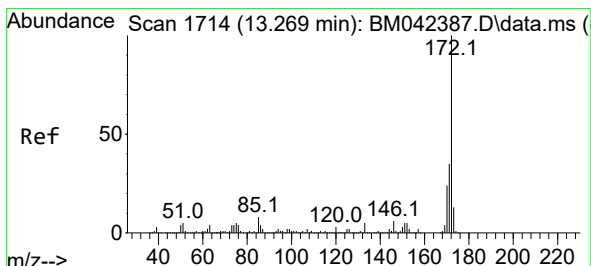
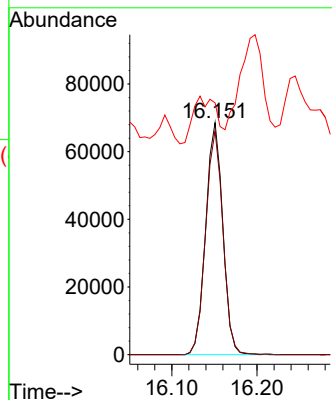
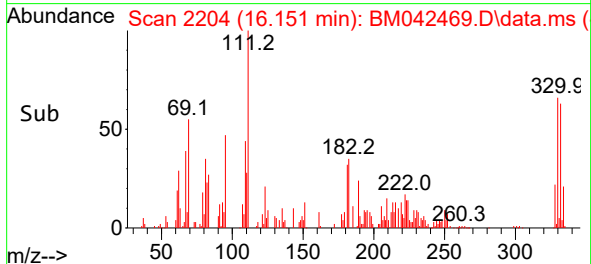


#42
2,4,6-Tribromophenol
Concen: 36.540 ng
RT: 16.151 min Scan# 21
Delta R.T. 0.012 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

Instrument :
BNA_M
ClientSampleId :
RBR-200027

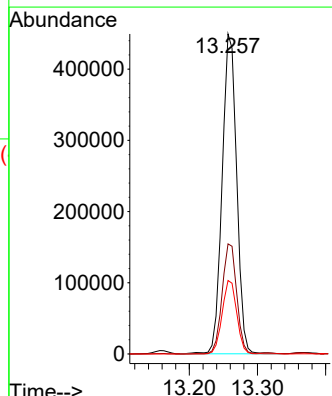
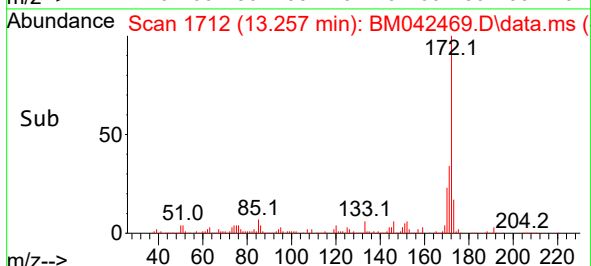
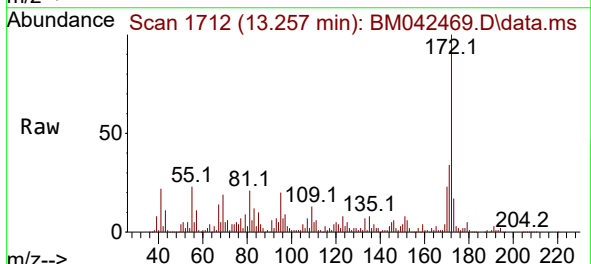


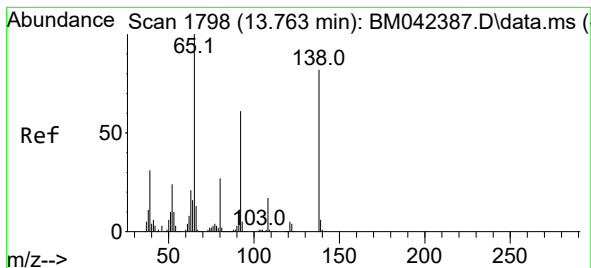
Tgt Ion:330 Resp: 95854
Ion Ratio Lower Upper
330 100
332 97.2 77.6 116.4
141 28.2 38.0 57.0#



#45
2-Fluorobiphenyl
Concen: 30.318 ng
RT: 13.257 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

Tgt Ion:172 Resp: 664982
Ion Ratio Lower Upper
172 100
171 34.4 28.1 42.1
170 23.0 18.9 28.3





#48

2-Nitroaniline

Concen: 4.864 ng

RT: 13.733 min Scan# 1

Delta R.T. -0.030 min

Lab File: BM042469.D

Acq: 27 Oct 2023 01:19

Instrument :

BNA_M

ClientSampleId :

RBR-200027

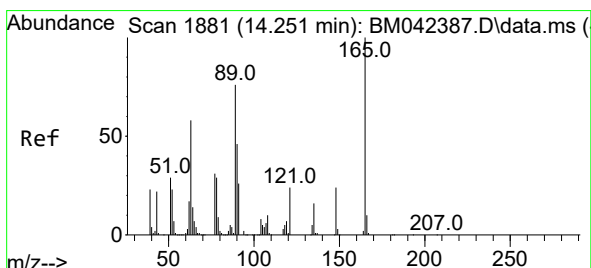
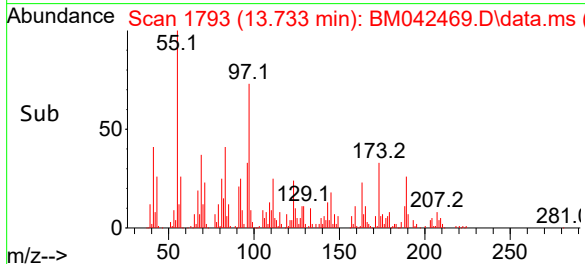
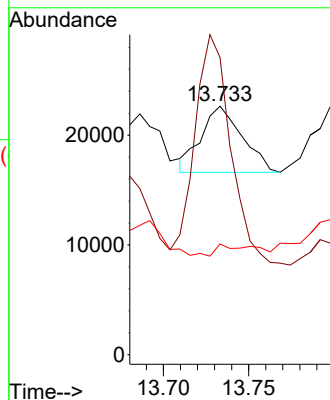
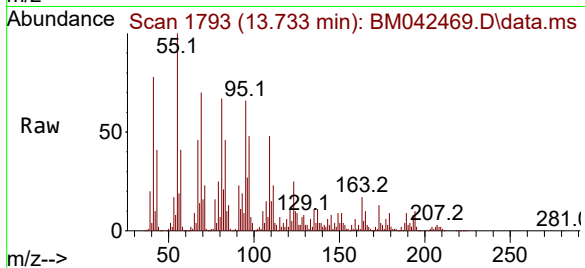
Tgt Ion: 65 Resp: 10062

Ion Ratio Lower Upper

65 100

92 119.6 49.0 73.6#

138 44.5 65.5 98.3#



#51

2,6-Dinitrotoluene

Concen: 6.833 ng

RT: 14.280 min Scan# 1886

Delta R.T. 0.029 min

Lab File: BM042469.D

Acq: 27 Oct 2023 01:19

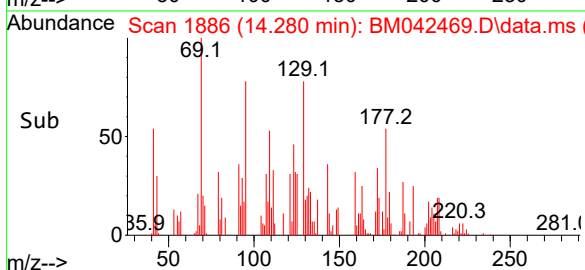
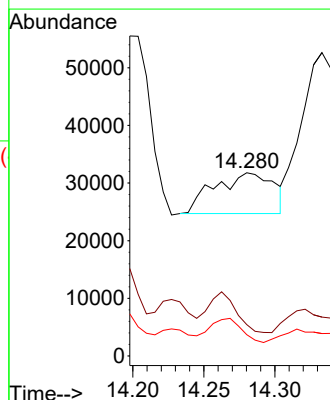
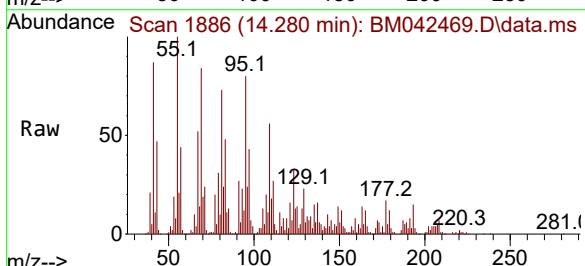
Tgt Ion:165 Resp: 20537

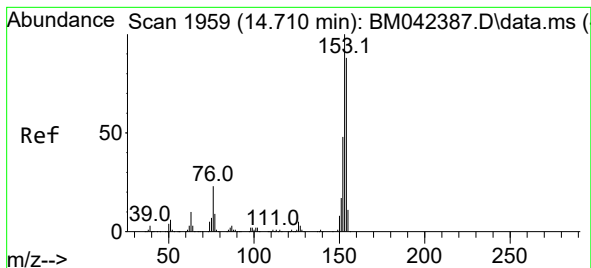
Ion Ratio Lower Upper

165 100

63 17.1 65.3 97.9#

89 11.6 60.6 91.0#





#52

Acenaphthene

Concen: 5.743 ng

RT: 14.710 min Scan# 1959

Delta R.T. -0.000 min

Lab File: BM042469.D

Acq: 27 Oct 2023 01:19

Instrument :

BNA_M

ClientSampleId :

RBR-200027

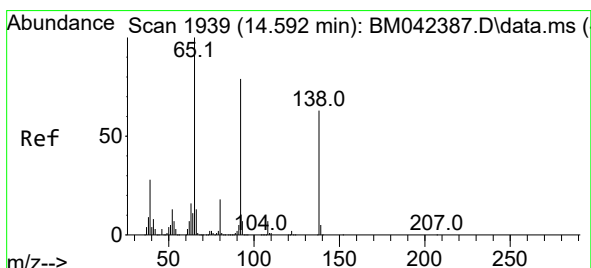
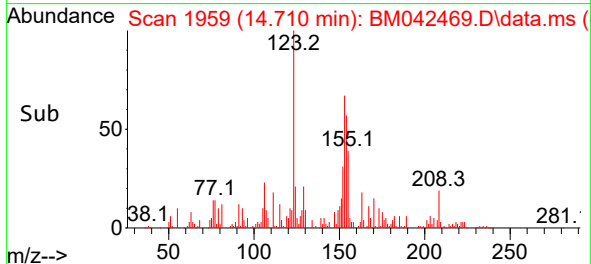
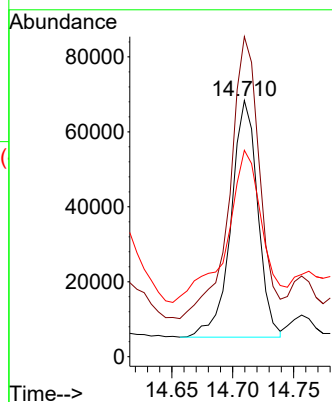
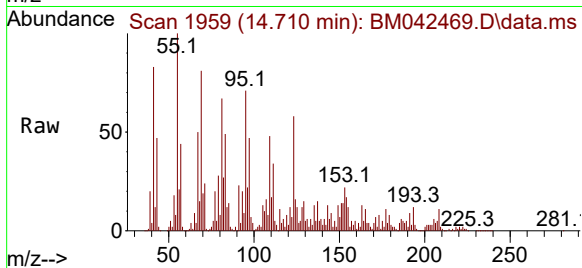
Tgt Ion:154 Resp: 96358

Ion Ratio Lower Upper

154 100

153 124.9 91.1 136.7

152 80.6 44.0 66.0#



#53

3-Nitroaniline

Concen: 7.193 ng

RT: 14.568 min Scan# 1935

Delta R.T. -0.024 min

Lab File: BM042469.D

Acq: 27 Oct 2023 01:19

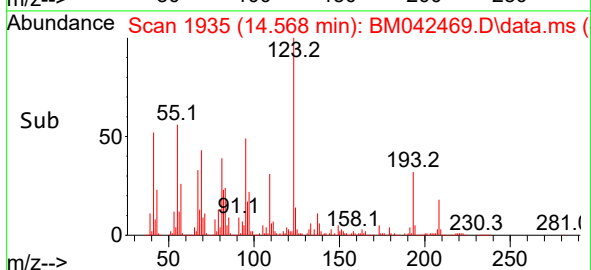
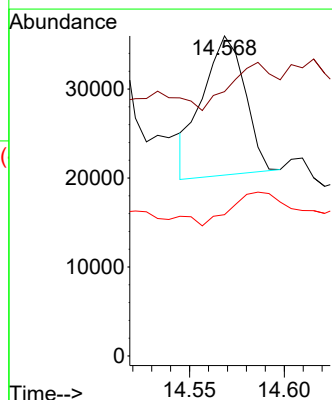
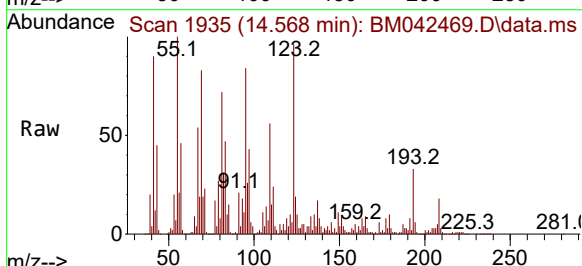
Tgt Ion:138 Resp: 24447

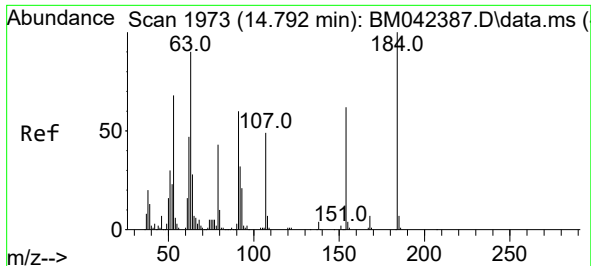
Ion Ratio Lower Upper

138 100

108 82.6 8.3 12.5#

92 44.1 100.6 151.0#

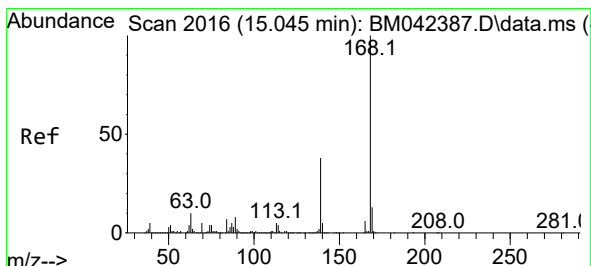
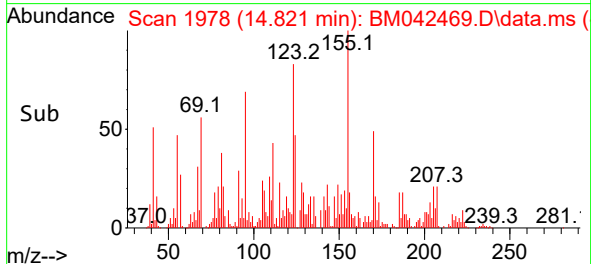
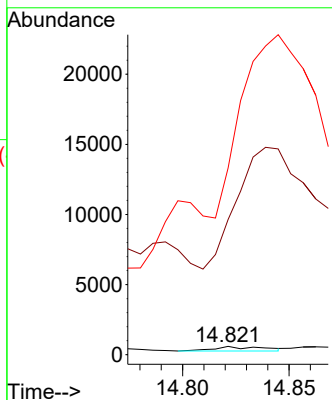
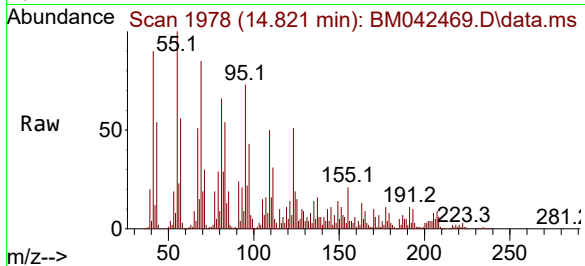




#54
2,4-Dinitrophenol
Concen: 8.321 ng
RT: 14.821 min Scan# 1973
Delta R.T. 0.029 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

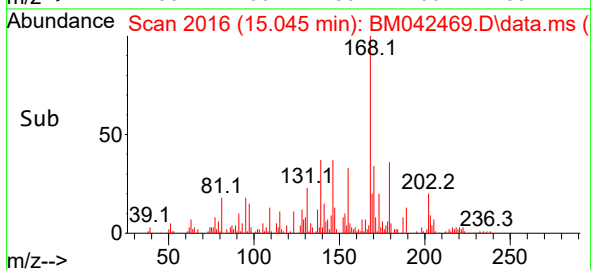
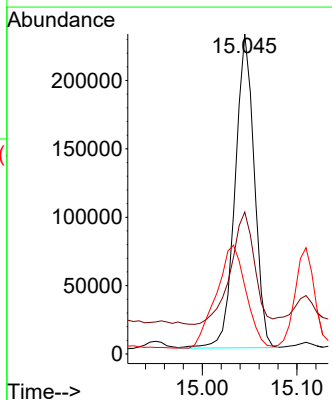
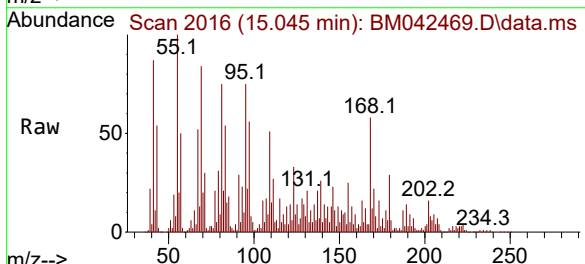
Instrument :
BNA_M
ClientSampleId :
RBR-200027

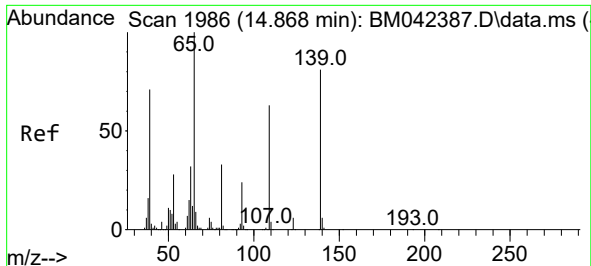
Tgt Ion:184 Resp: 515
Ion Ratio Lower Upper
184 100
63 1632.1 72.2 108.2#
154 2253.6 49.6 74.4#



#55
Dibenzofuran
Concen: 12.170 ng
RT: 15.045 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

Tgt Ion:168 Resp: 322981
Ion Ratio Lower Upper
168 100
139 44.4 30.6 46.0
169 21.2 10.4 15.6#

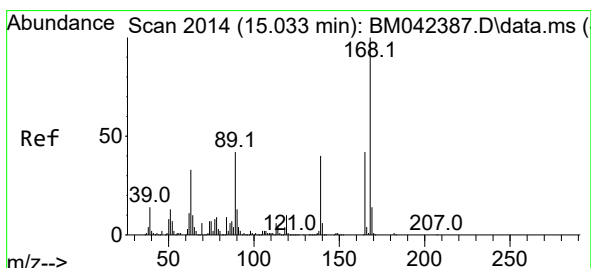
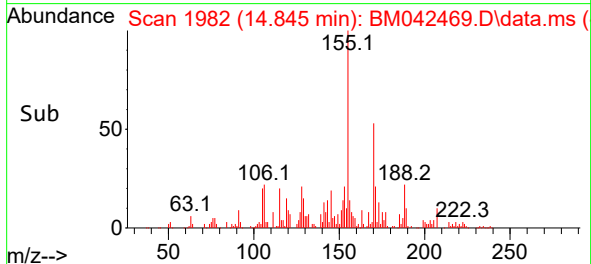
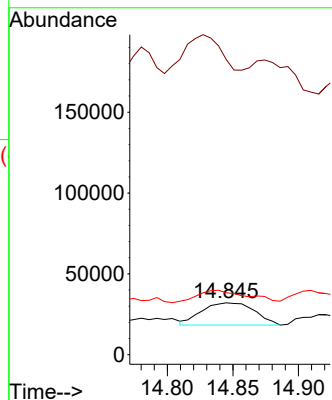
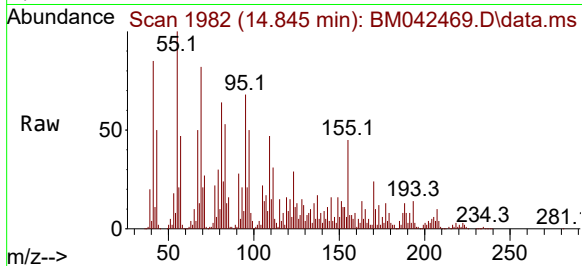




#56
4-Nitrophenol
Concen: 8.776 ng
RT: 14.845 min Scan# 1986
Delta R.T. -0.023 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

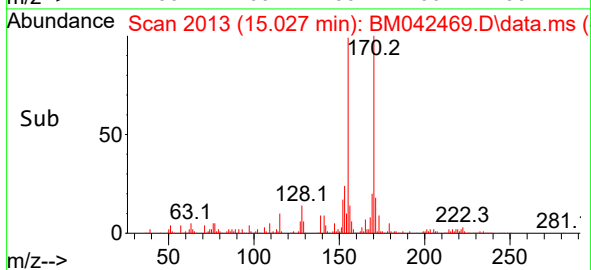
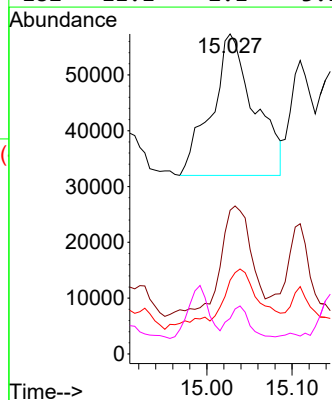
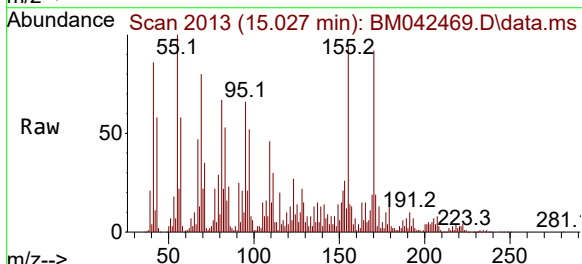
Instrument :
BNA_M
ClientSampleId :
RBR-200027

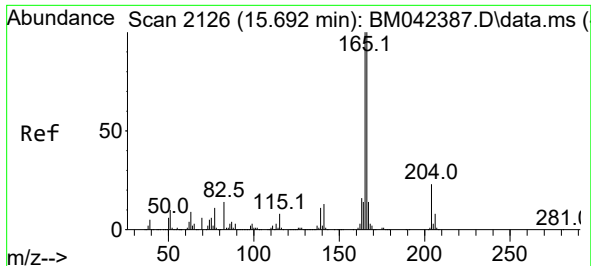
Tgt Ion:139 Resp: 38723
Ion Ratio Lower Upper
139 100
109 570.3 58.0 98.0#
65 119.6 104.2 144.2



#57
2,4-Dinitrotoluene
Concen: 16.382 ng
RT: 15.027 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

Tgt Ion:165 Resp: 88053
Ion Ratio Lower Upper
165 100
63 44.9 62.9 94.3#
89 23.0 80.2 120.2#
182 11.1 2.1 3.1#

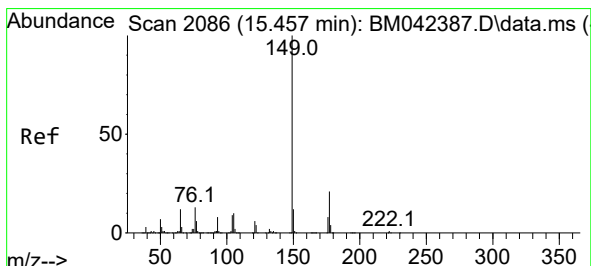
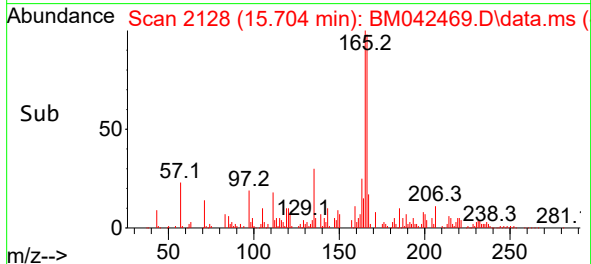
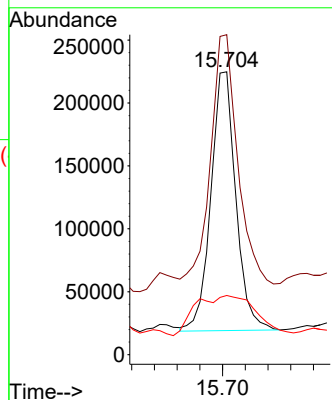
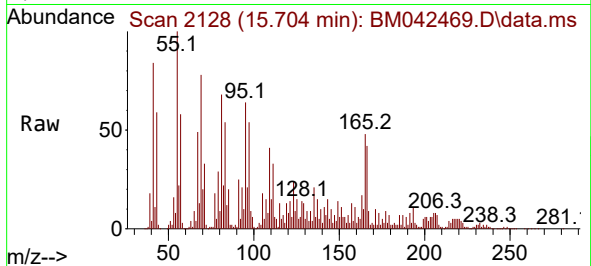




#58
Fluorene
Concen: 15.007 ng
RT: 15.704 min Scan# 2126
Delta R.T. 0.012 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

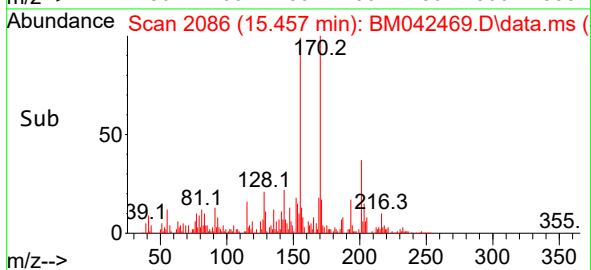
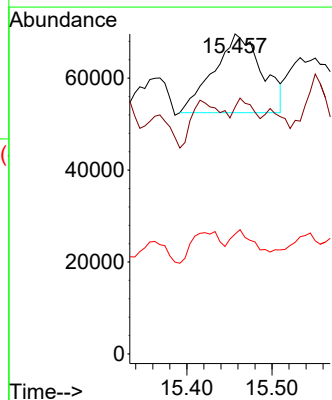
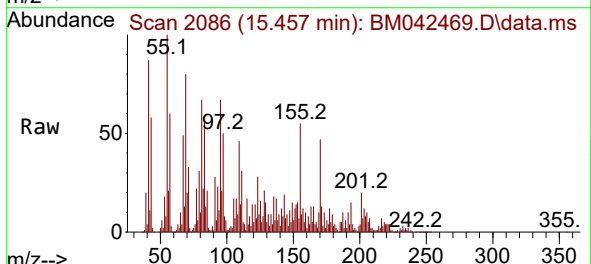
Instrument :
BNA_M
ClientSampleId :
RBR-200027

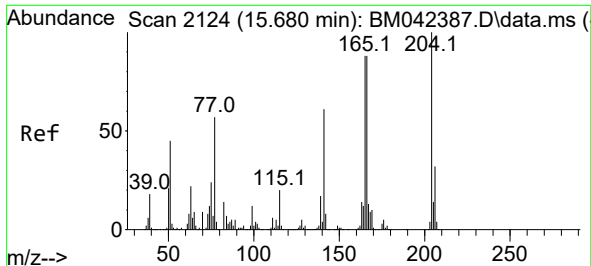
Tgt Ion:166 Resp: 314265
Ion Ratio Lower Upper
166 100
165 113.1 79.6 119.4
167 20.9 10.9 16.3#



#60
Diethylphthalate
Concen: 3.146 ng
RT: 15.457 min Scan# 2086
Delta R.T. -0.000 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

Tgt Ion:149 Resp: 67250
Ion Ratio Lower Upper
149 100
177 77.1 16.7 25.1#
150 37.4 9.8 14.6#

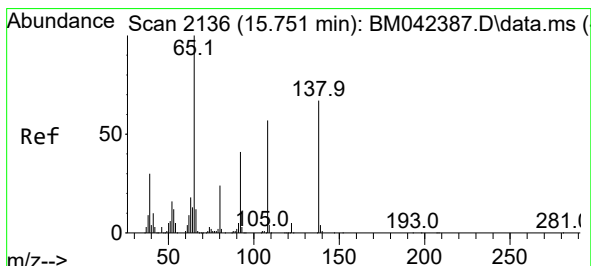
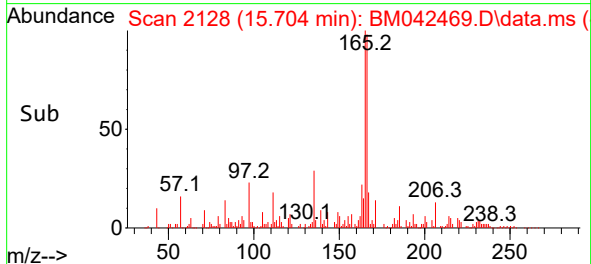
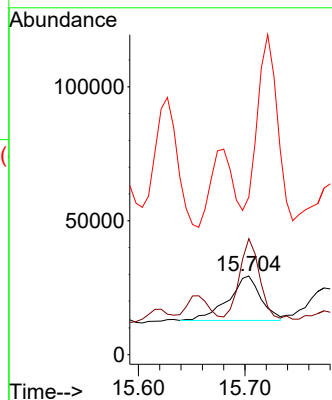
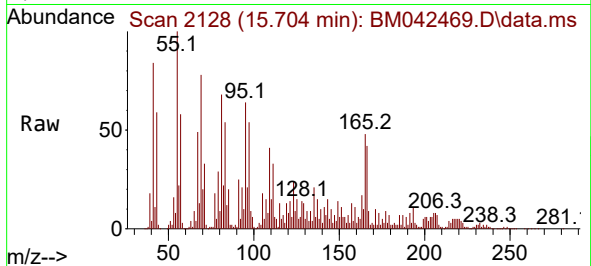




#61
4-Chlorophenyl-phenylether
Concen: 3.571 ng
RT: 15.704 min Scan# 2128
Delta R.T. 0.024 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

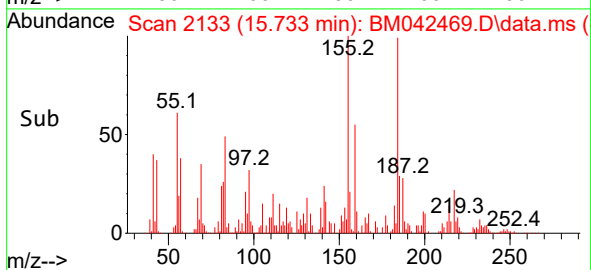
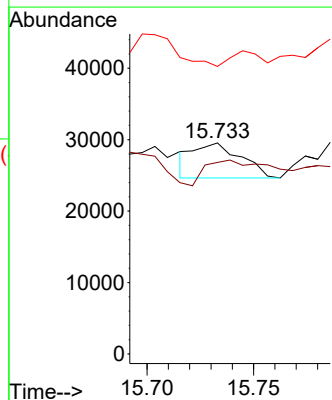
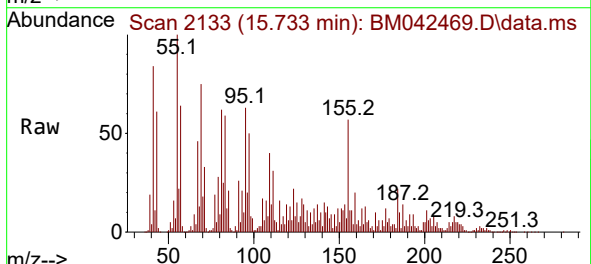
Instrument :
BNA_M
ClientSampleId :
RBR-200027

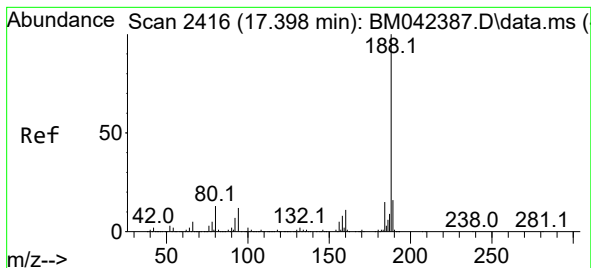
Tgt Ion:204 Resp: 35220
Ion Ratio Lower Upper
204 100
206 147.3 25.4 38.0#
141 200.2 49.1 73.7#



#62
4-Nitroaniline
Concen: 5.058 ng
RT: 15.733 min Scan# 2133
Delta R.T. -0.018 min
Lab File: BM042469.D
Acq: 27 Oct 2023 01:19

Tgt Ion:138 Resp: 7600
Ion Ratio Lower Upper
138 100
92 90.7 40.4 80.4#
108 136.2 65.3 105.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.421 min Scan# 2416

Delta R.T. 0.023 min

Lab File: BM042469.D

Acq: 27 Oct 2023 01:19

Instrument :

BNA_M

ClientSampleId :

RBR-200027

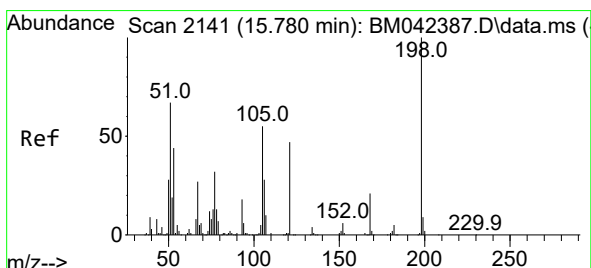
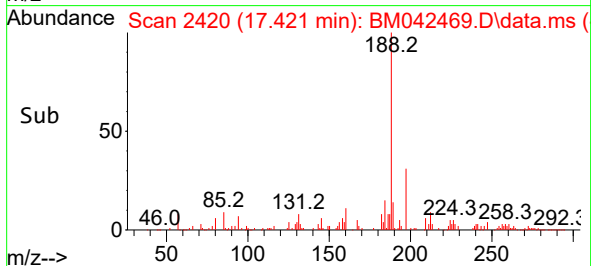
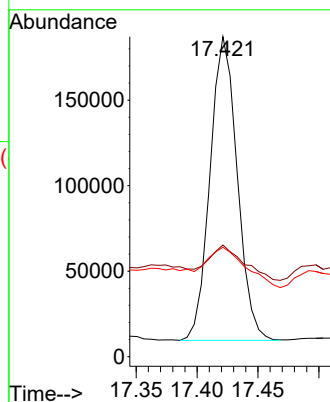
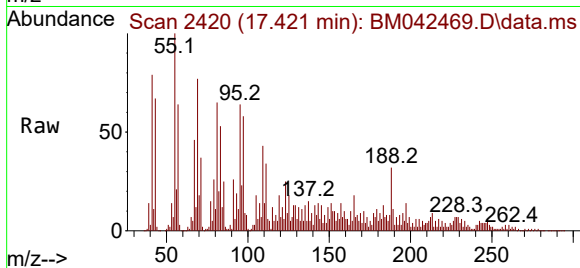
Tgt Ion:188 Resp: 275360

Ion Ratio Lower Upper

188 100

94 34.9 9.4 14.0#

80 34.2 10.7 16.1#



#65

4,6-Dinitro-2-methylphenol

Concen: 13.581 ng

RT: 15.810 min Scan# 2146

Delta R.T. 0.030 min

Lab File: BM042469.D

Acq: 27 Oct 2023 01:19

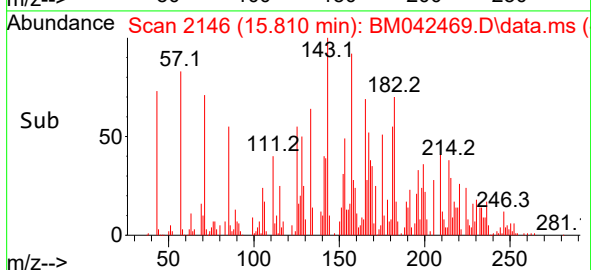
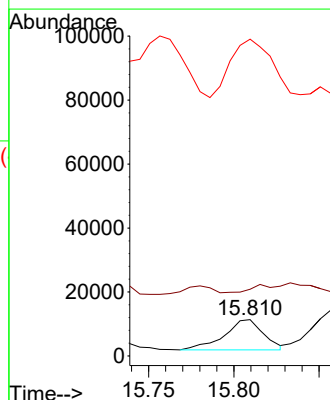
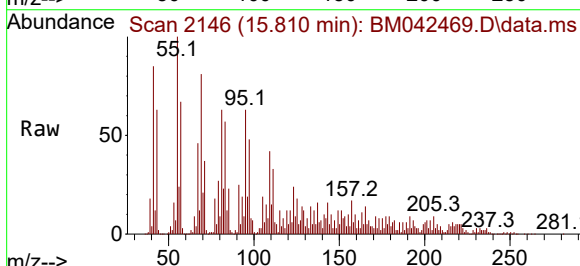
Tgt Ion:198 Resp: 15099

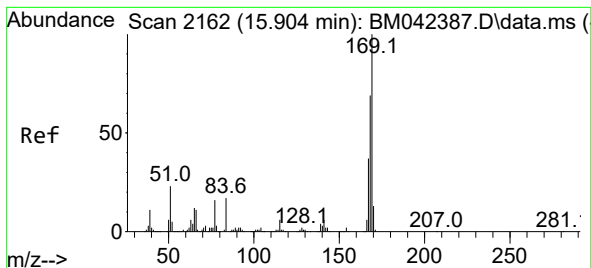
Ion Ratio Lower Upper

198 100

51 183.1 54.1 94.1#

105 870.3 35.9 75.9#





#66

n-Nitrosodiphenylamine

Concen: 35.056 ng

RT: 15.898 min Scan# 2161

Delta R.T. -0.006 min

Lab File: BM042469.D

Acq: 27 Oct 2023 01:19

Instrument :

BNA_M

ClientSampleId :

RBR-200027

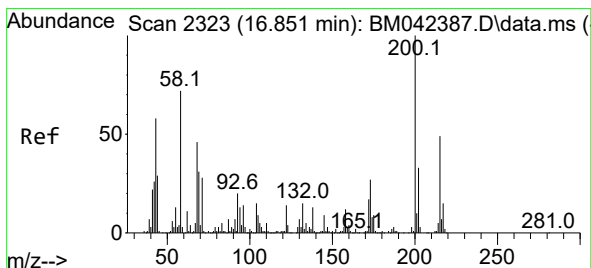
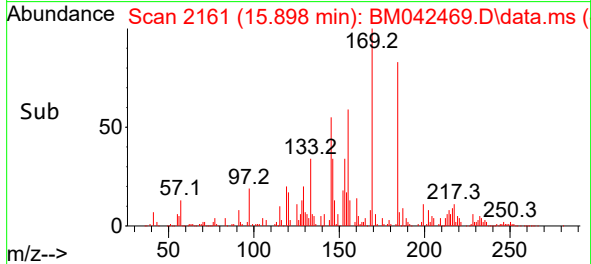
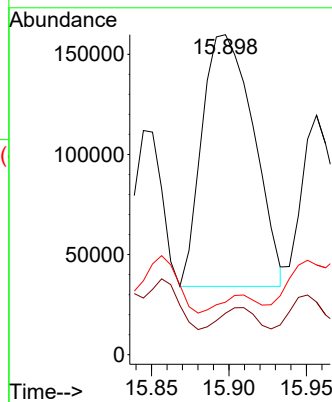
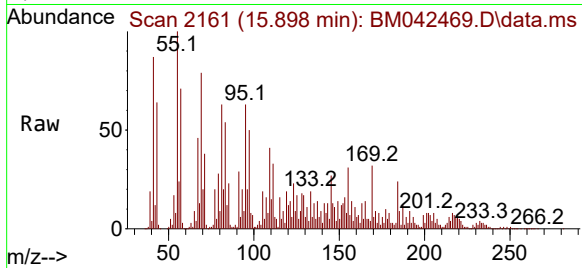
Tgt Ion:169 Resp: 290746

Ion Ratio Lower Upper

169 100

168 13.0 55.4 83.2#

167 16.4 29.9 44.9#



#69

Atrazine

Concen: 5.015 ng

RT: 16.898 min Scan# 2331

Delta R.T. 0.047 min

Lab File: BM042469.D

Acq: 27 Oct 2023 01:19

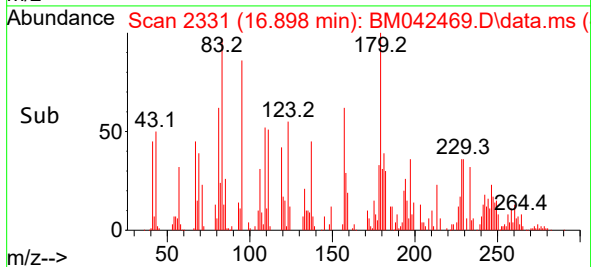
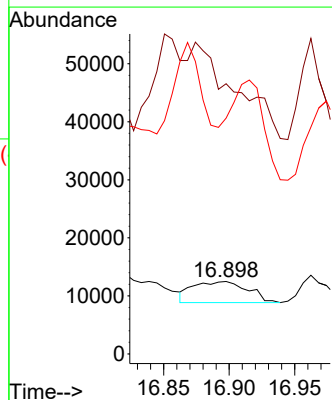
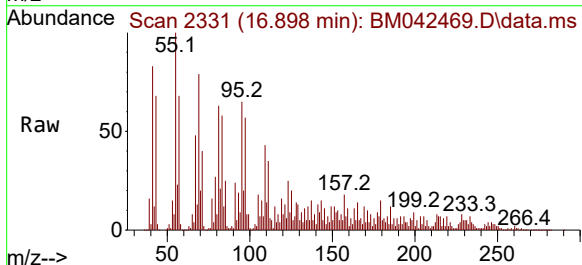
Tgt Ion:200 Resp: 10548

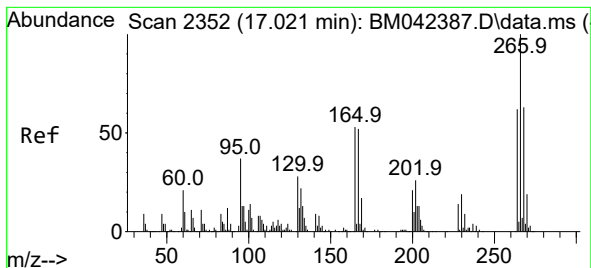
Ion Ratio Lower Upper

200 100

173 373.1 6.6 46.6#

215 325.6 28.6 68.6#





#70

Pentachlorophenol

Concen: 6.910 ng

RT: 17.039 min Scan# 21

Delta R.T. 0.018 min

Lab File: BM042469.D

Acq: 27 Oct 2023 01:19

Instrument :

BNA_M

ClientSampleId :

RBR-200027

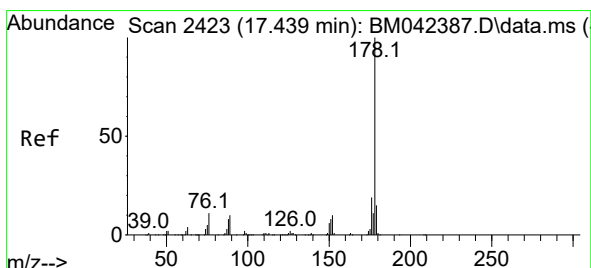
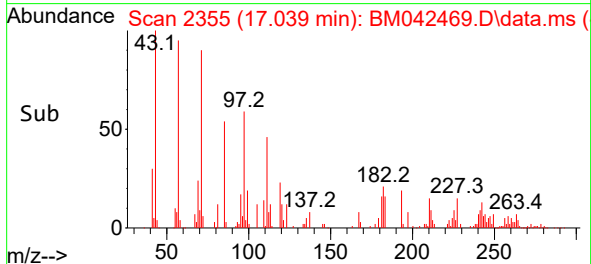
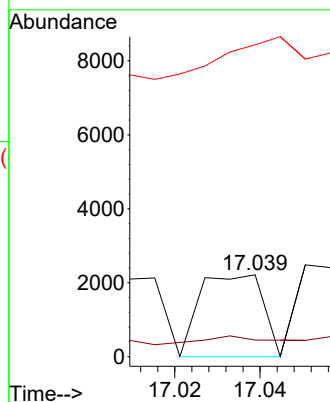
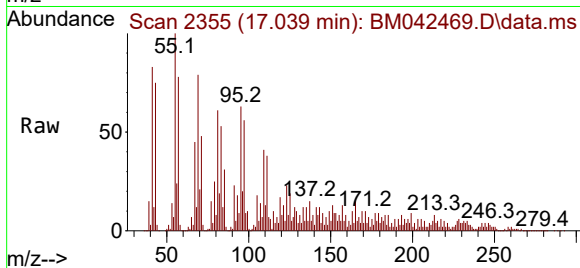
Tgt Ion:266 Resp: 2274

Ion Ratio Lower Upper

266 100

268 7.4 50.6 76.0#

264 138.3 49.4 74.0#



#71

Phenanthrene

Concen: 113.999 ng

RT: 17.468 min Scan# 2428

Delta R.T. 0.029 min

Lab File: BM042469.D

Acq: 27 Oct 2023 01:19

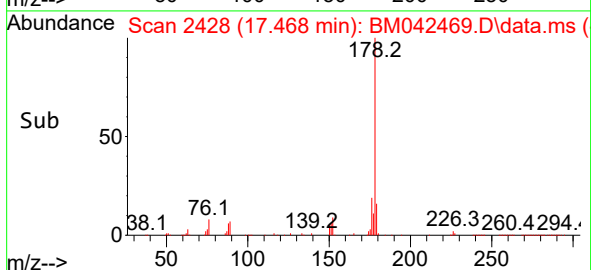
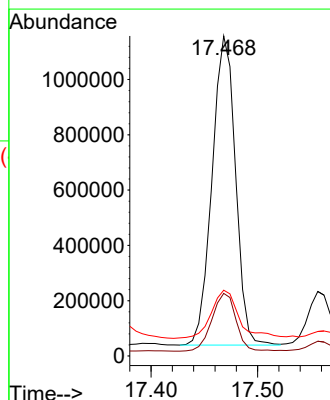
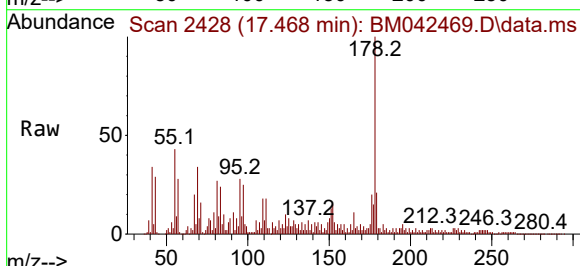
Tgt Ion:178 Resp: 1707670

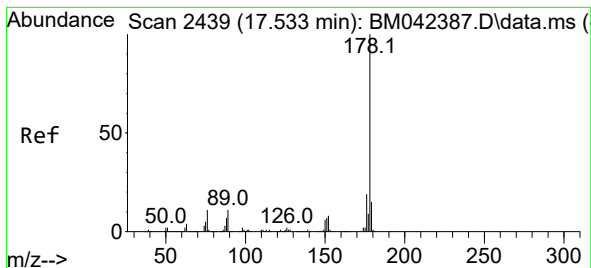
Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

179 20.5 12.3 18.5#





#72

Anthracene

Concen: 19.124 ng

RT: 17.556 min Scan# 2443

Delta R.T. 0.023 min

Lab File: BM042469.D

Acq: 27 Oct 2023 01:19

Instrument :

BNA_M

ClientSampleId :

RBR-200027

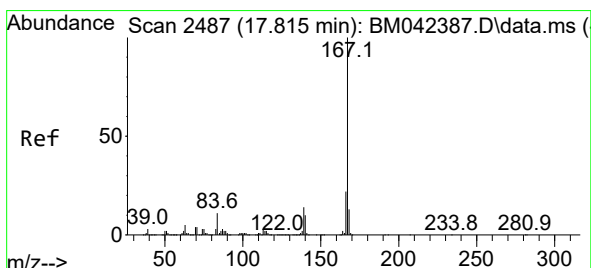
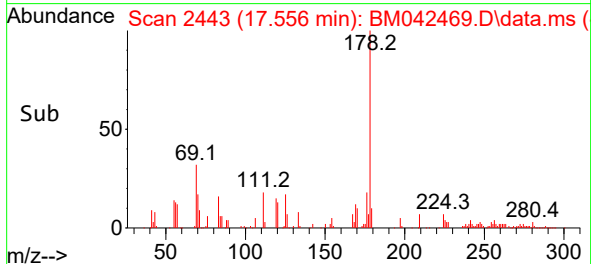
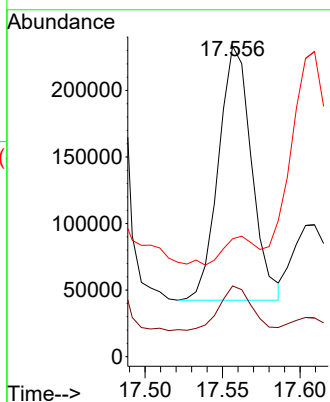
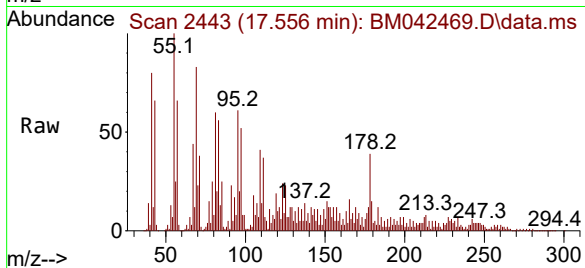
Tgt Ion:178 Resp: 283716

Ion Ratio Lower Upper

178 100

176 22.8 15.4 23.0

179 37.9 12.1 18.1#



#73

Carbazole

Concen: 9.379 ng

RT: 17.833 min Scan# 2490

Delta R.T. 0.018 min

Lab File: BM042469.D

Acq: 27 Oct 2023 01:19

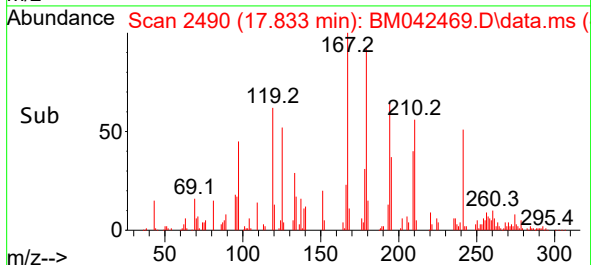
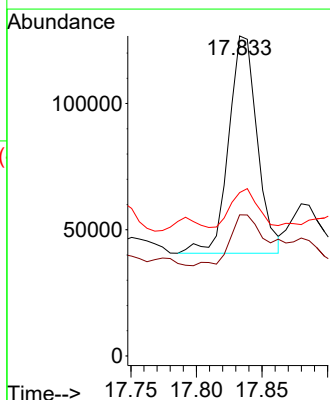
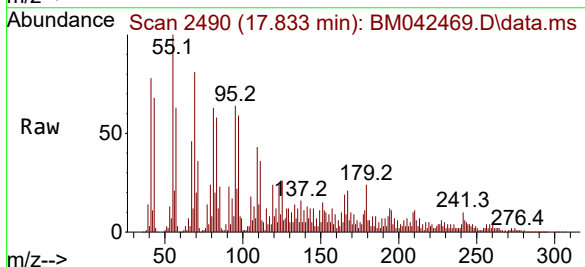
Tgt Ion:167 Resp: 130534

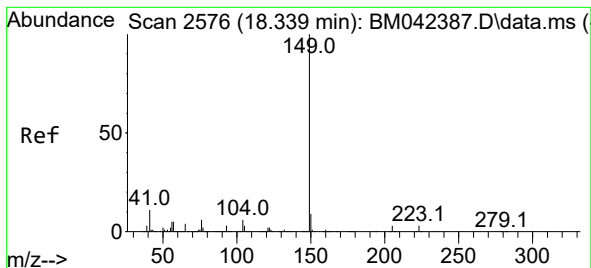
Ion Ratio Lower Upper

167 100

166 44.1 17.4 26.0#

139 51.1 10.9 16.3#





#74

Di-n-butylphthalate

Concen: 5.027 ng

RT: 18.339 min Scan# 2

Delta R.T. -0.000 min

Lab File: BM042469.D

Acq: 27 Oct 2023 01:19

Instrument :

BNA_M

ClientSampleId :

RBR-200027

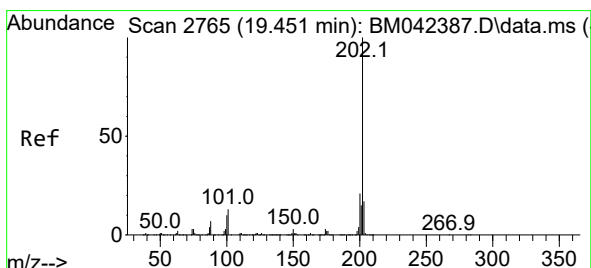
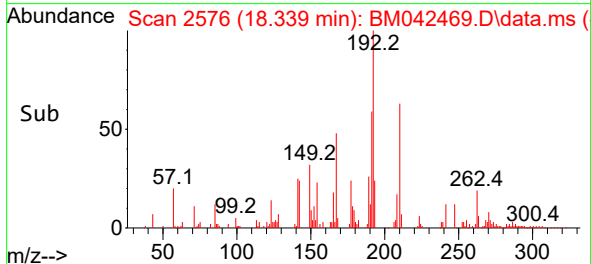
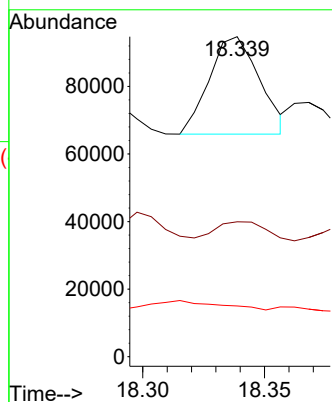
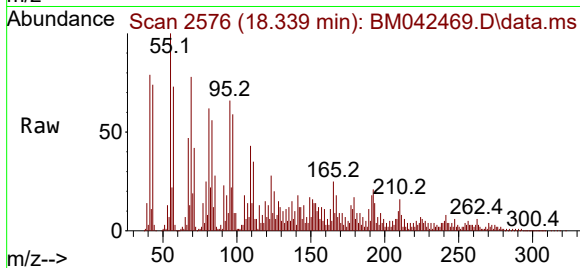
Tgt Ion:149 Resp: 41377

Ion Ratio Lower Upper

149 100

150 42.2 7.4 11.0#

104 15.8 4.6 7.0#



#75

Fluoranthene

Concen: 63.367 ng

RT: 19.480 min Scan# 2770

Delta R.T. 0.029 min

Lab File: BM042469.D

Acq: 27 Oct 2023 01:19

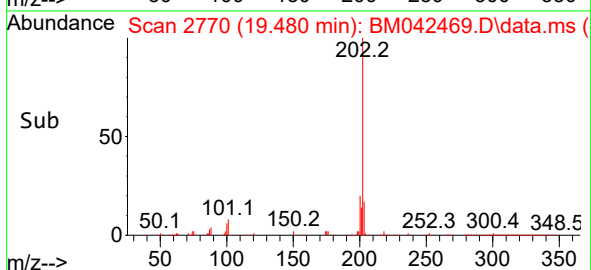
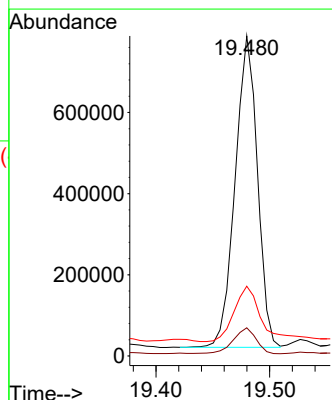
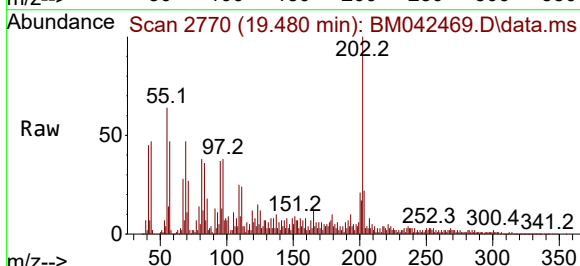
Tgt Ion:202 Resp: 1045411

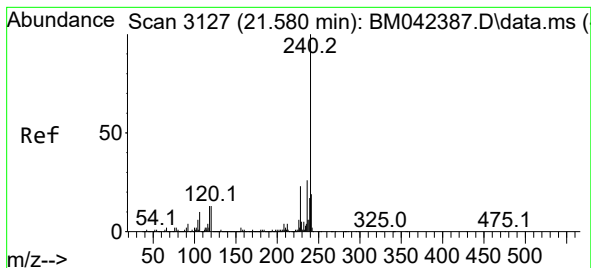
Ion Ratio Lower Upper

202 100

101 8.8 0.0 33.3

203 21.8 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: BM042469.D

Acq: 27 Oct 2023 01:19

Instrument :

BNA_M

ClientSampleId :

RBR-200027

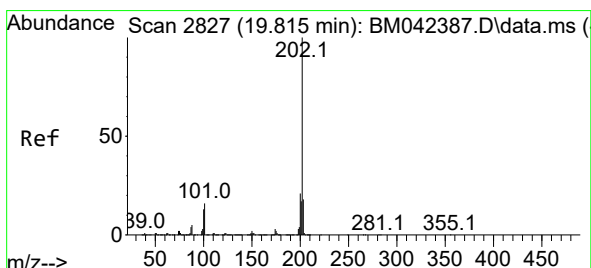
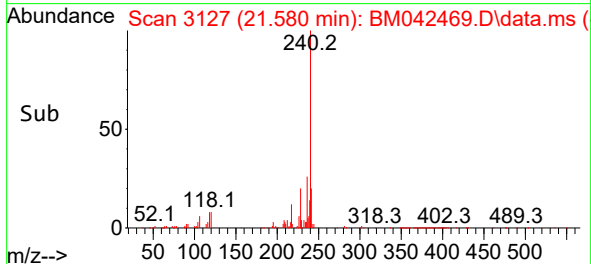
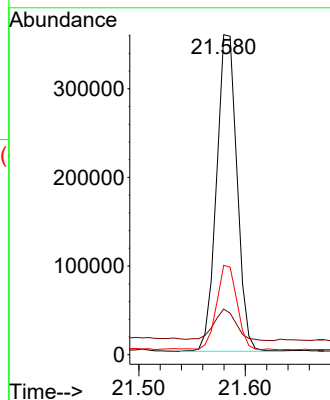
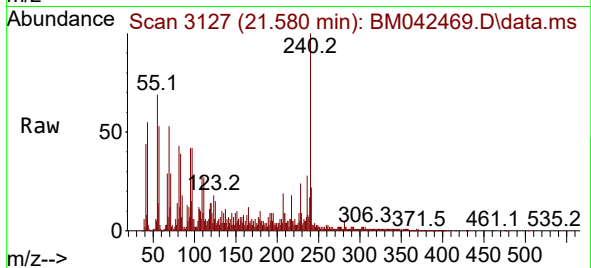
Tgt Ion:240 Resp: 475067

Ion Ratio Lower Upper

240 100

120 14.3 10.7 16.1

236 27.9 20.7 31.1



#78

Pyrene

Concen: 24.190 ng

RT: 19.845 min Scan# 2832

Delta R.T. 0.029 min

Lab File: BM042469.D

Acq: 27 Oct 2023 01:19

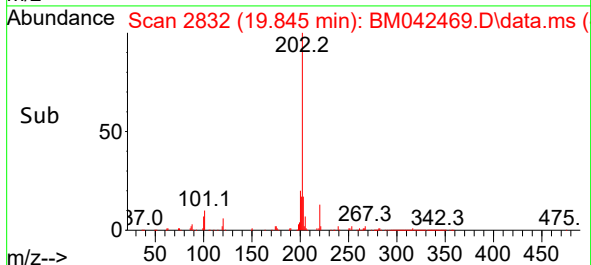
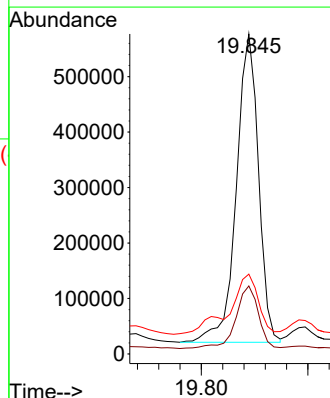
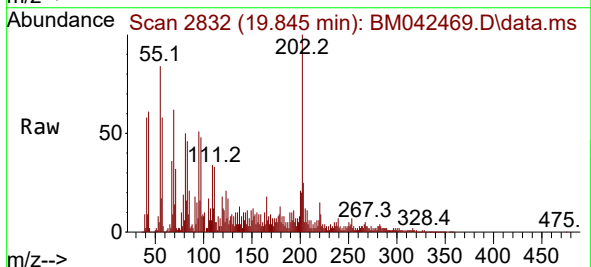
Tgt Ion:202 Resp: 803034

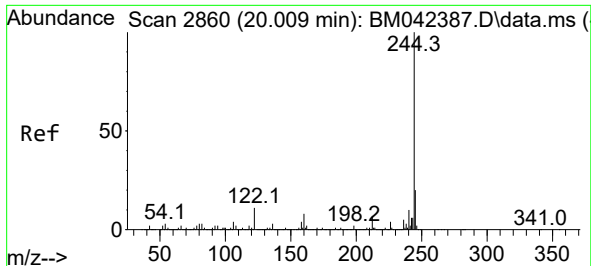
Ion Ratio Lower Upper

202 100

200 21.2 17.1 25.7

203 25.0 14.1 21.1#

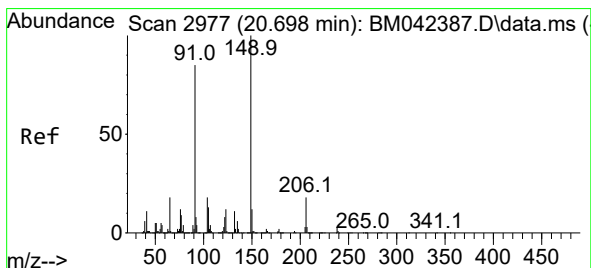
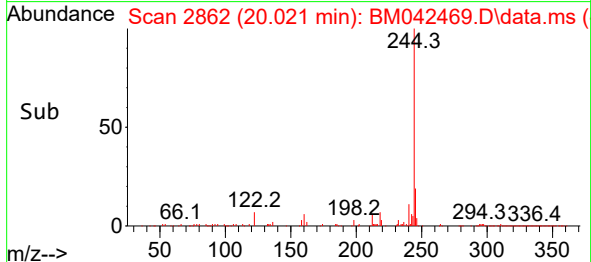
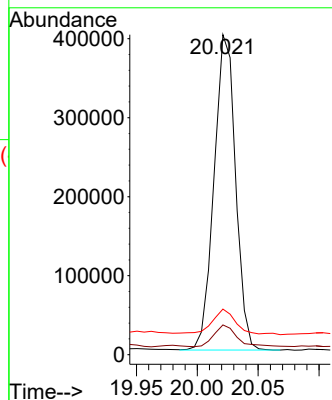
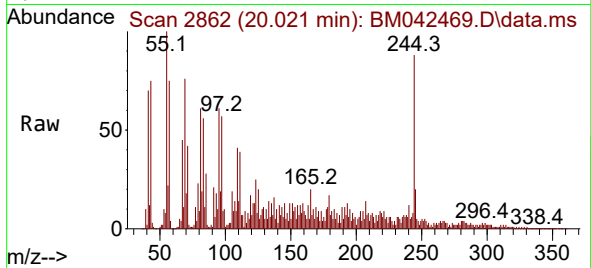




#79
 Terphenyl-d14
 Concen: 18.311 ng
 RT: 20.021 min Scan# 2860
 Delta R.T. 0.012 min
 Lab File: BM042469.D
 Acq: 27 Oct 2023 01:19

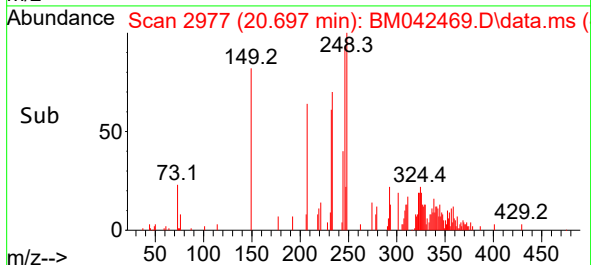
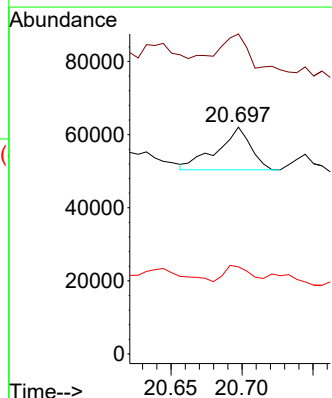
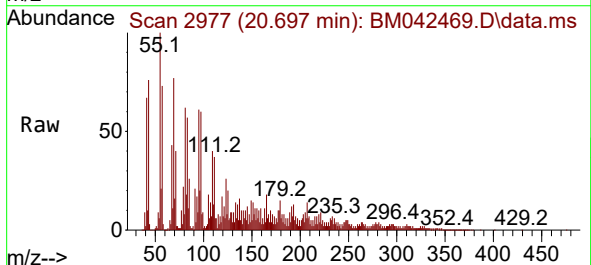
Instrument :
 BNA_M
 ClientSampleId :
 RBR-200027

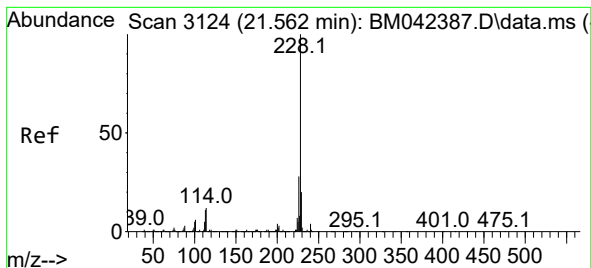
Tgt Ion:244 Resp: 490509
 Ion Ratio Lower Upper
 244 100
 212 9.3 5.6 8.4#
 122 14.3 8.8 13.2#



#80
 Butylbenzylphthalate
 Concen: 4.449 ng
 RT: 20.697 min Scan# 2977
 Delta R.T. -0.001 min
 Lab File: BM042469.D
 Acq: 27 Oct 2023 01:19

Tgt Ion:149 Resp: 19227
 Ion Ratio Lower Upper
 149 100
 91 141.0 68.3 102.5#
 206 38.3 14.6 22.0#





#81

Benzo(a)anthracene

Concen: 11.303 ng

RT: 21.568 min Scan# 3125

Delta R.T. 0.006 min

Lab File: BM042469.D

Acq: 27 Oct 2023 01:19

Instrument :

BNA_M

ClientSampleId :

RBR-200027

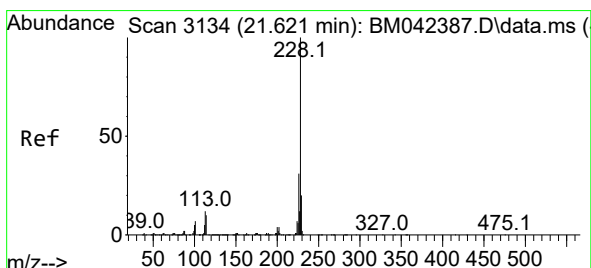
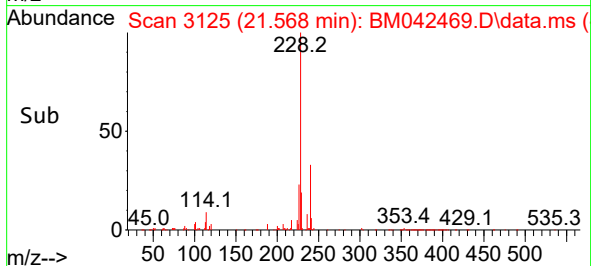
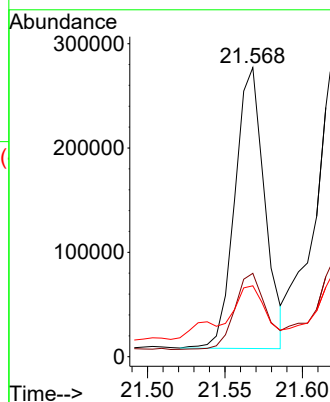
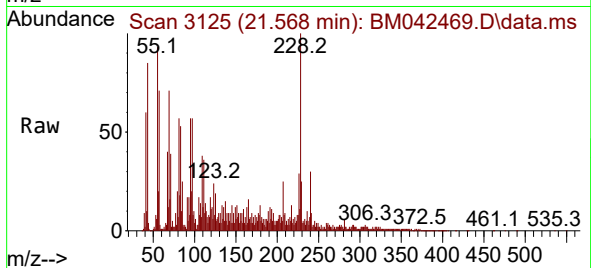
Tgt Ion:228 Resp: 359976

Ion Ratio Lower Upper

228 100

226 28.8 22.2 33.4

229 24.5 15.7 23.5#



#83

Chrysene

Concen: 14.385 ng

RT: 21.621 min Scan# 3134

Delta R.T. -0.000 min

Lab File: BM042469.D

Acq: 27 Oct 2023 01:19

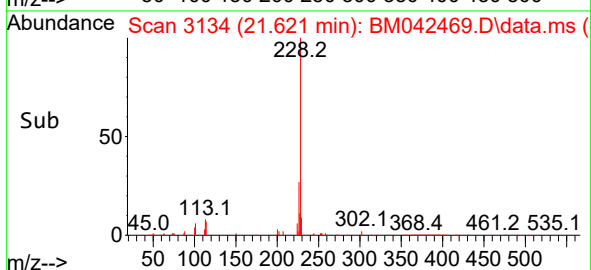
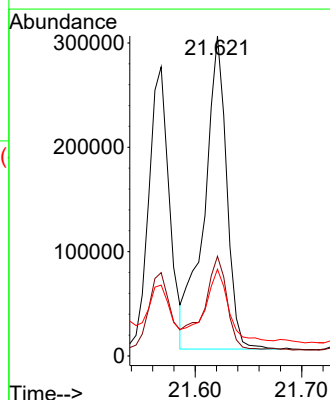
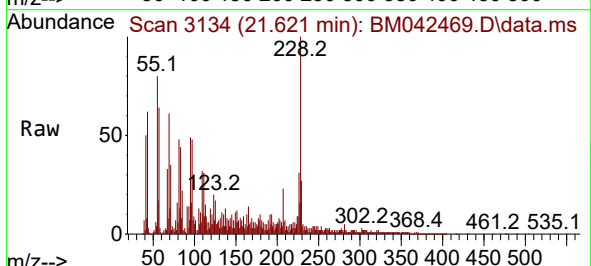
Tgt Ion:228 Resp: 440008

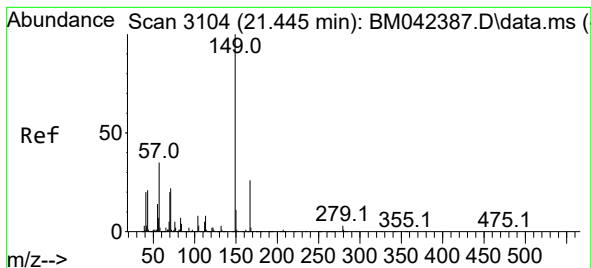
Ion Ratio Lower Upper

228 100

226 31.1 24.6 36.8

229 27.1 15.7 23.5#

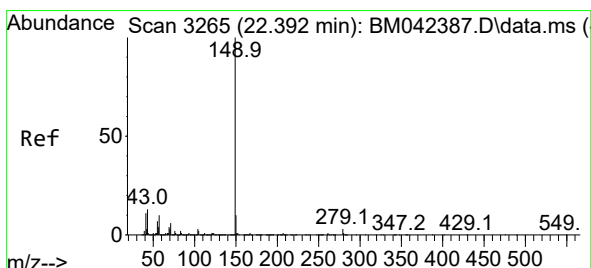
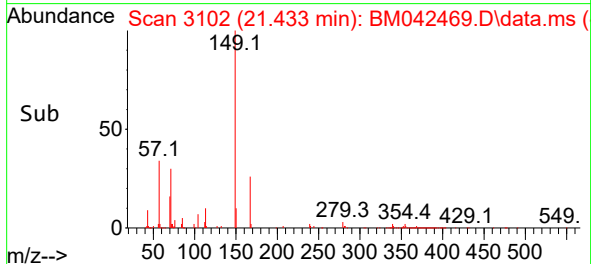
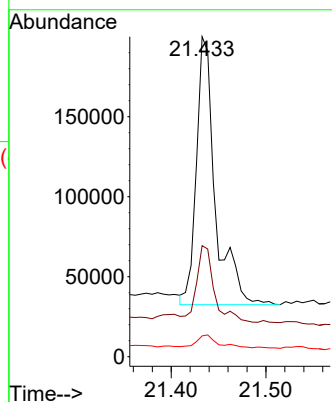
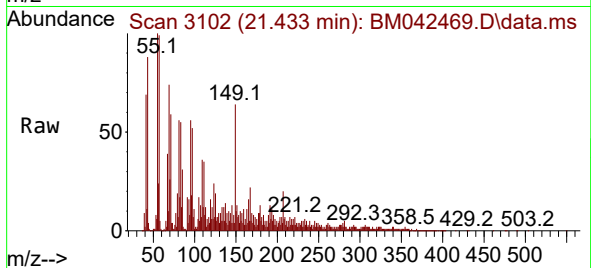




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 13.528 ng
 RT: 21.433 min Scan# 3104
 Delta R.T. -0.012 min
 Lab File: BM042469.D
 Acq: 27 Oct 2023 01:19

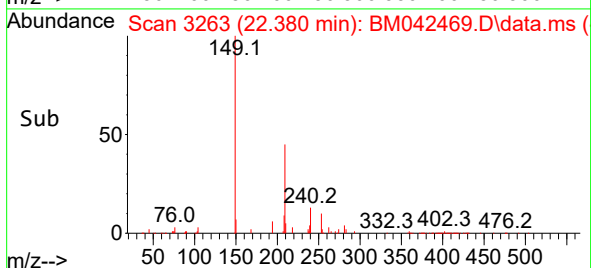
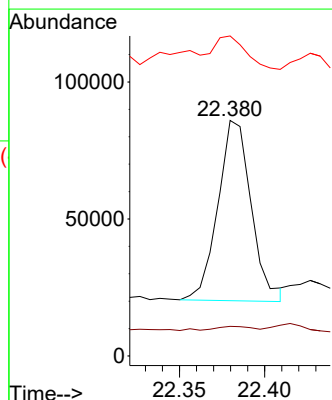
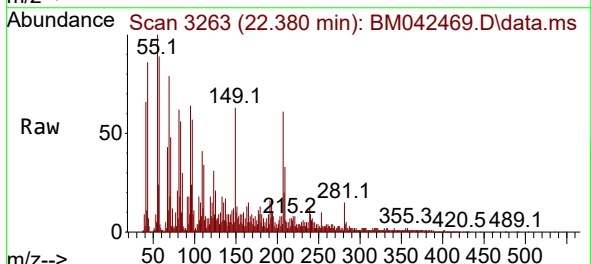
Instrument :
 BNA_M
 ClientSampleId :
 RBR-200027

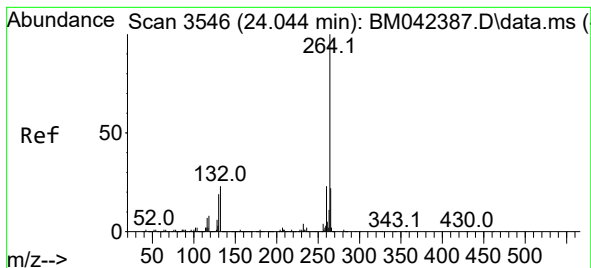
Tgt Ion:149 Resp: 233742
 Ion Ratio Lower Upper
 149 100
 167 34.7 20.9 31.3#
 279 6.5 2.7 4.1#



#85
 Di-n-octyl phthalate
 Concen: 6.435 ng
 RT: 22.380 min Scan# 3263
 Delta R.T. -0.012 min
 Lab File: BM042469.D
 Acq: 27 Oct 2023 01:19

Tgt Ion:149 Resp: 89608
 Ion Ratio Lower Upper
 149 100
 167 2.3 1.2 1.8#
 43 15.7 11.0 16.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.038 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM042469.D

Acq: 27 Oct 2023 01:19

Instrument :

BNA_M

ClientSampleId :

RBR-200027

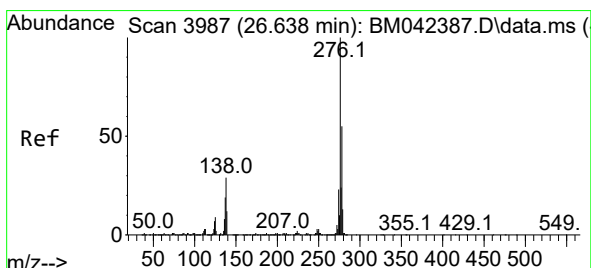
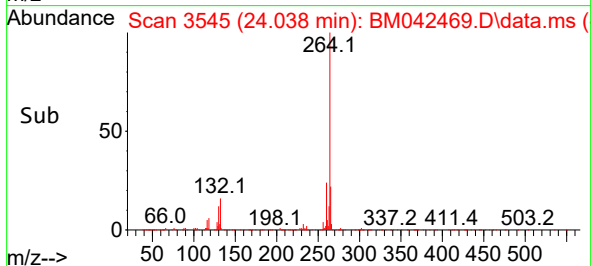
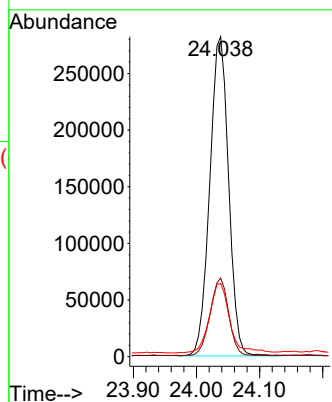
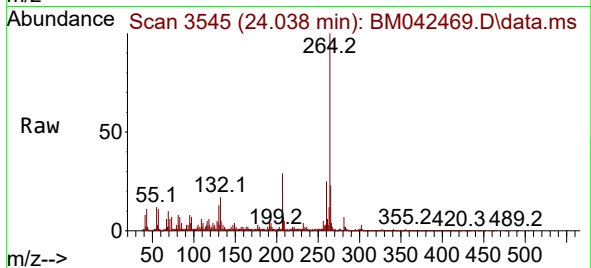
Tgt Ion:264 Resp: 583080

Ion Ratio Lower Upper

264 100

260 24.6 18.6 27.8

265 22.9 17.8 26.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.120 ng

RT: 26.609 min Scan# 3982

Delta R.T. -0.030 min

Lab File: BM042469.D

Acq: 27 Oct 2023 01:19

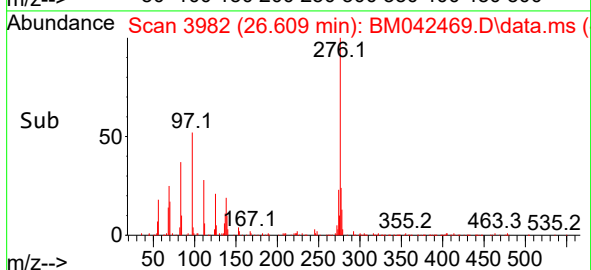
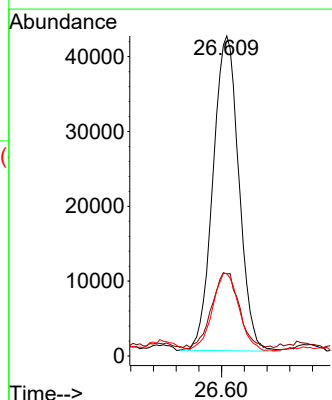
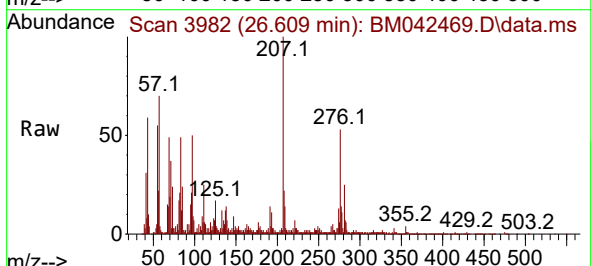
Tgt Ion:276 Resp: 132961

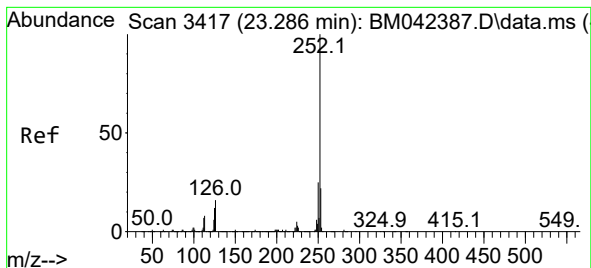
Ion Ratio Lower Upper

276 100

138 24.7 25.6 38.4#

277 25.4 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 10.723 ng

RT: 23.280 min Scan# 3416

Delta R.T. -0.006 min

Lab File: BM042469.D

Acq: 27 Oct 2023 01:19

Instrument :

BNA_M

ClientSampleId :

RBR-200027

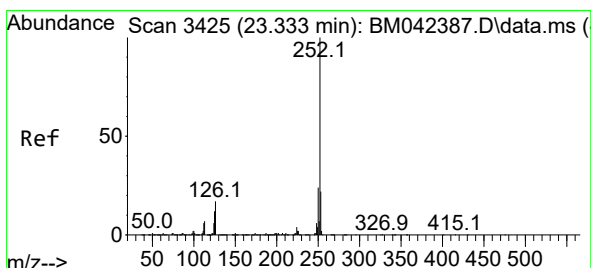
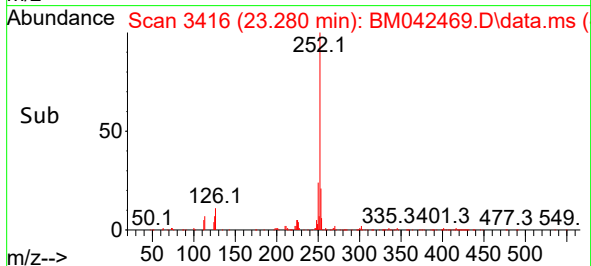
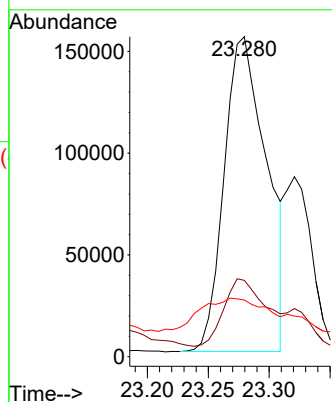
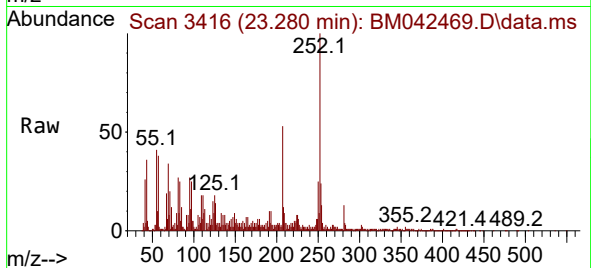
Tgt Ion:252 Resp: 376343

Ion Ratio Lower Upper

252 100

253 23.9 18.0 27.0

125 17.7 9.8 14.8#



#89

Benzo(k)fluoranthene

Concen: 10.328 ng

RT: 23.280 min Scan# 3416

Delta R.T. -0.053 min

Lab File: BM042469.D

Acq: 27 Oct 2023 01:19

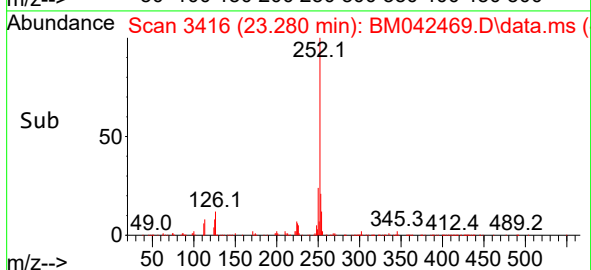
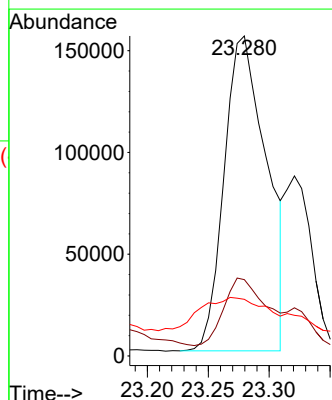
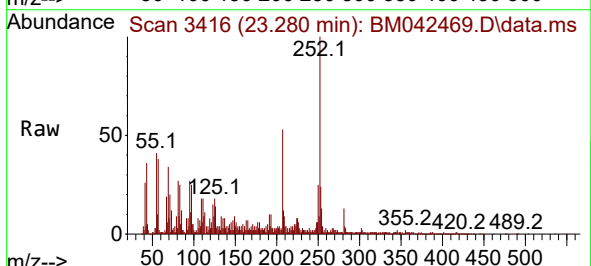
Tgt Ion:252 Resp: 376343

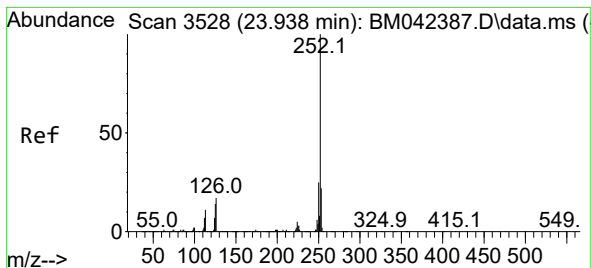
Ion Ratio Lower Upper

252 100

253 23.9 17.9 26.9

125 17.7 10.2 15.2#





#90

Benzo(a)pyrene

Concen: 5.791 ng

RT: 23.927 min Scan# 3

Delta R.T. -0.012 min

Lab File: BM042469.D

Acq: 27 Oct 2023 01:19

Instrument :

BNA_M

ClientSampleId :

RBR-200027

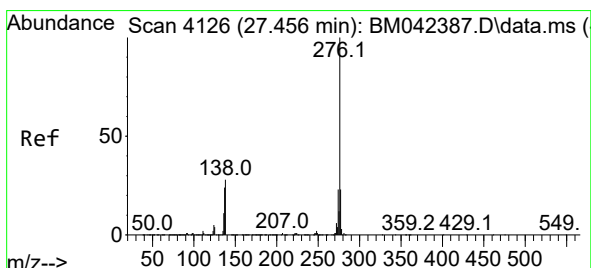
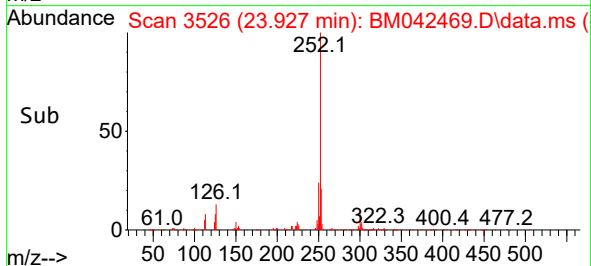
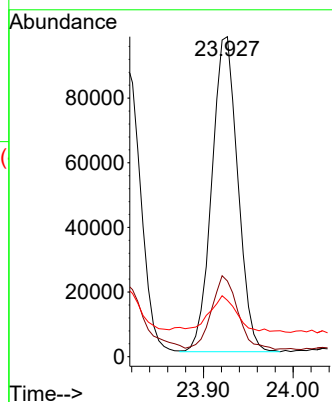
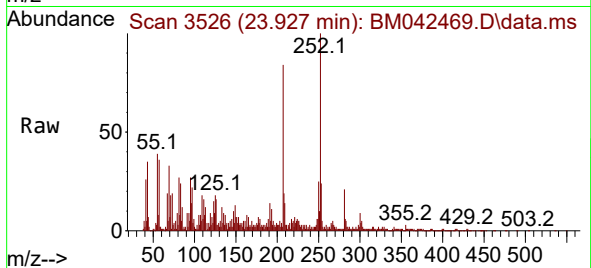
Tgt Ion:252 Resp: 195636

Ion Ratio Lower Upper

252 100

253 23.6 17.9 26.9

125 17.6 10.9 16.3#



#92

Benzo(g,h,i)perylene

Concen: 3.664 ng

RT: 27.421 min Scan# 4120

Delta R.T. -0.035 min

Lab File: BM042469.D

Acq: 27 Oct 2023 01:19

Tgt Ion:276 Resp: 126074

Ion Ratio Lower Upper

276 100

277 25.5 18.3 27.5

138 25.2 22.6 34.0

