

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091624\
 Data File : BM047535.D
 Acq On : 16 Sep 2024 12:56
 Operator : RC/JU
 Sample : P3845-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PT-BN-WP

Quant Time: Sep 16 13:43:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Sep 15 08:56:37 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	344273	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	1460341	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	837356	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	1576550	20.000	ng	0.00
76) Chrysene-d12	21.444	240	1292096	20.000	ng	0.00
86) Perylene-d12	24.474	264	1275489	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	3300401	152.639	ng	0.00
7) Phenol-d6	7.010	99	4413394	144.938	ng	0.00
23) Nitrobenzene-d5	9.004	82	2823010	96.745	ng	0.00
42) 2,4,6-Tribromophenol	15.962	330	898838	111.053	ng	0.00
45) 2-Fluorobiphenyl	13.110	172	5959022	98.031	ng	0.00
79) Terphenyl-d14	19.833	244	9539238	132.295	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.628	42	1407798	112.554	ng	# 98
6) Aniline	7.269	93	2804272	103.878	ng	# 55
11) bis(2-Chloroethyl)ether	7.269	93	2804272	114.564	ng	100
12) 1,3-Dichlorobenzene	7.739	146	3814062	146.188	ng	98
13) 1,4-Dichlorobenzene	7.739	146	3814062	143.528	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.375	45	2303999	66.913	ng	99
18) Hexachloroethane	8.934	117	1323486	124.673	ng	98
19) n-Nitroso-di-n-propyla...	8.657	70	2205866	107.443	ng	97
24) Nitrobenzene	9.045	77	109367	3.647	ng	95
31) Naphthalene	10.698	128	11660125	147.841	ng	99
33) 4-Chloroaniline	10.698	127	1550521	54.374	ng	# 32
34) Hexachlorobutadiene	10.992	225	846952	67.838	ng	99
37) 2-Methylnaphthalene	12.310	142	4589437	87.431	ng	99
38) 1-Methylnaphthalene	12.527	142	8956817	171.700	ng	99
41) Hexachlorocyclopentadiene	12.663	237	2600147	351.028	ng	97
49) Acenaphthylene	14.204	152	12314771	168.691	ng	96
51) 2,6-Dinitrotoluene	14.051	165	1049356	87.096	ng	100
52) Acenaphthene	14.545	154	840007	16.422	ng	99
53) 3-Nitroaniline	14.380	138	1249510	93.305	ng	95
54) 2,4-Dinitrophenol	14.721	184	78	2.577	ng	# 35
55) Dibenzofuran	14.880	168	4062690	56.522	ng	99
56) 4-Nitrophenol	14.880	139	1656008	150.276	ng	# 3
57) 2,4-Dinitrotoluene	14.833	165	1040650	64.763	ng	97
58) Fluorene	15.527	166	11818892	182.635	ng	98
60) Diethylphthalate	15.304	149	5625960	92.622	ng	98
61) 4-Chlorophenyl-phenyle...	15.521	204	1178872	39.841	ng	98
62) 4-Nitroaniline	15.527	138	144392	9.173	ng	# 21
63) Azobenzene	15.733	77	806456	12.058	ng	# 13
66) n-Nitrosodiphenylamine	15.733	169	6279471	130.199	ng	99
67) 4-Bromophenyl-phenylether	16.527	248	44299	2.892	ng	# 1
68) Hexachlorobenzene	16.533	284	2873965	165.608	ng	95
71) Phenanthrene	17.351	178	11153136	128.369	ng	99
72) Anthracene	17.351	178	11153136	133.611	ng	98
78) Pyrene	19.621	202	2964541	31.454	ng	100
81) Benzo(a)anthracene	21.492	228	12916478	153.367	ng	# 88
83) Chrysene	21.492	228	12916478	162.145	ng	92

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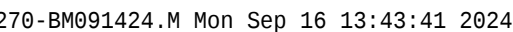
Instrument :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Bis(2-ethylhexyl)phtha...	21.362	149	6268556	110.292	ng	98
85) Di-n-octyl phthalate	22.509	149	14043193	174.678	ng	98
87) Indeno(1,2,3-cd)pyrene	27.921	276	8839664	115.806	ng	98
88) Benzo(b)fluoranthene	23.515	252	3945768	47.812	ng	99
89) Benzo(k)fluoranthene	23.586	252	6654574	81.362	ng	99
90) Benzo(a)pyrene	24.333	252	5660846	83.692	ng	99
91) Dibenzo(a,h)anthracene	27.973	278	6773810	105.477	ng	99
92) Benzo(g,h,i)perylene	28.973	276	4878960	77.773	ng	98

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

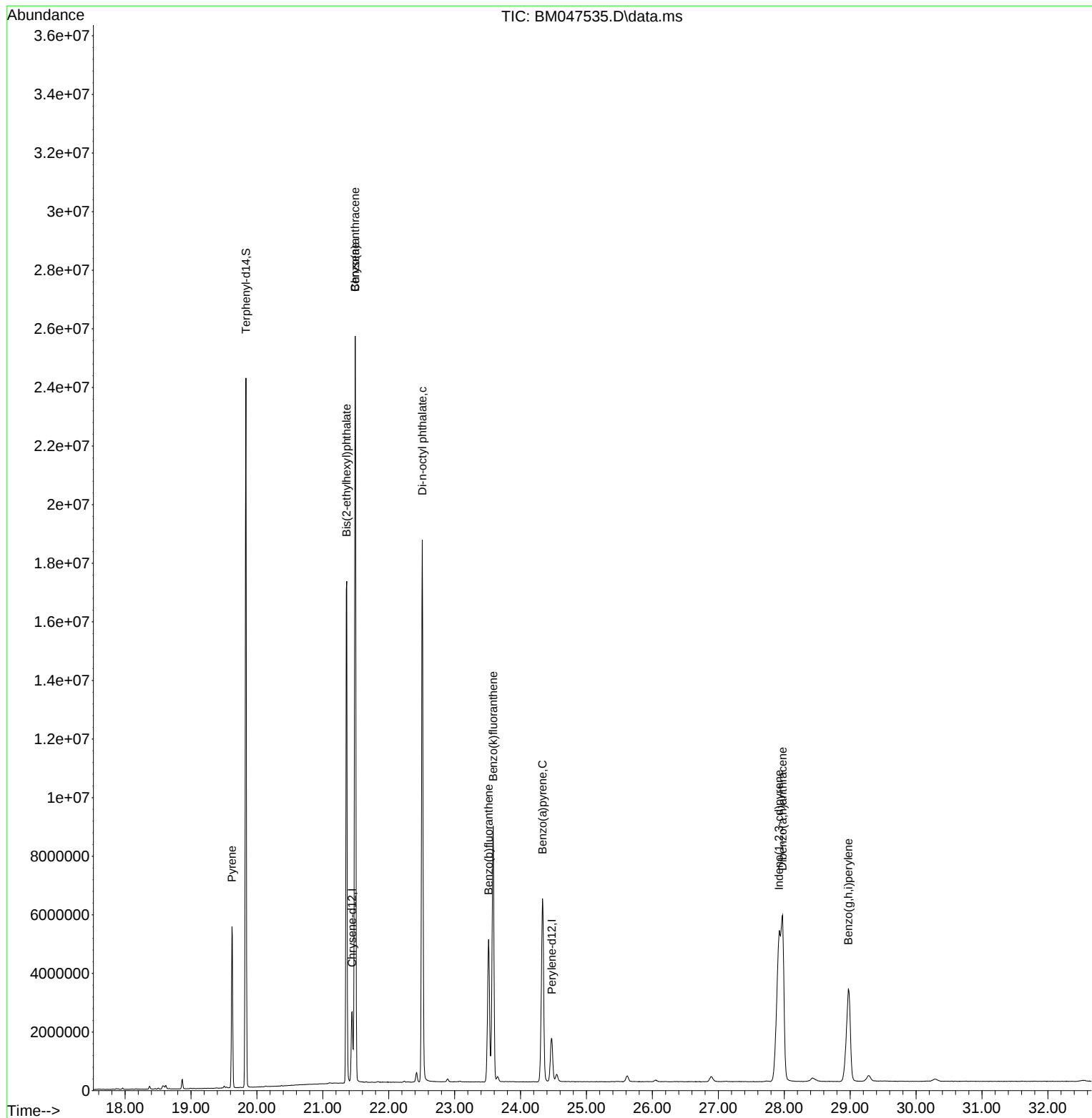
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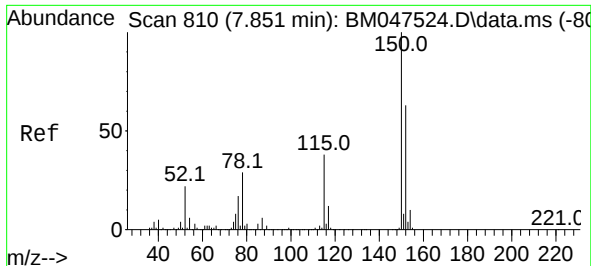


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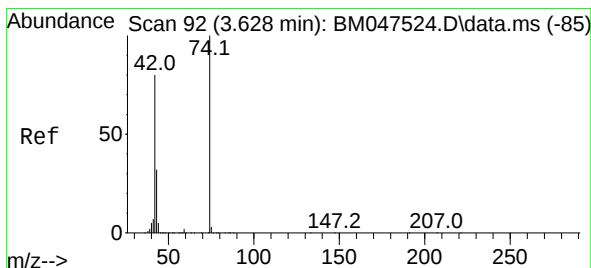
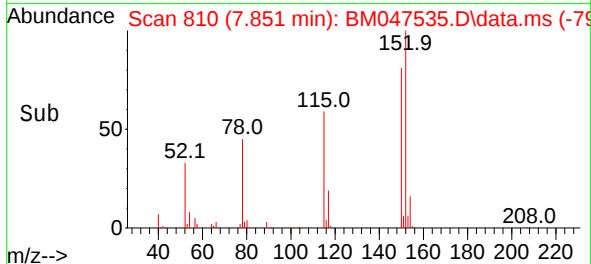
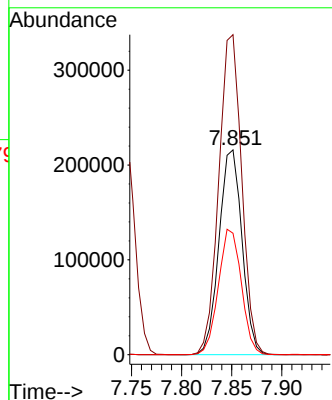
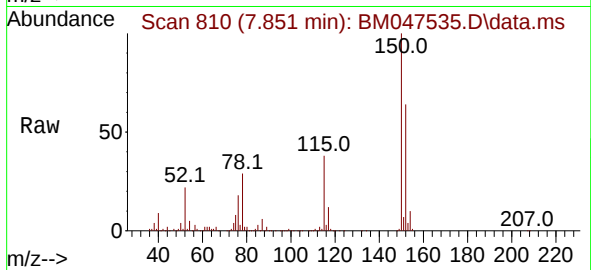




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

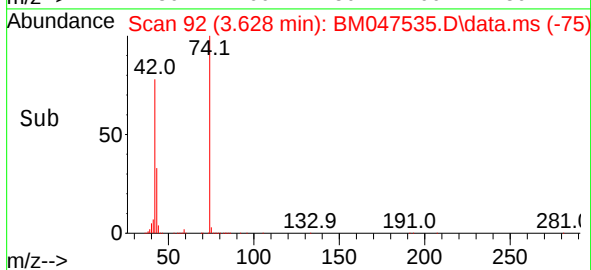
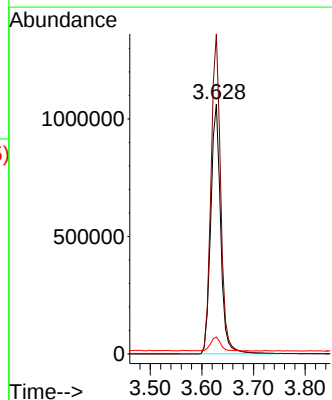
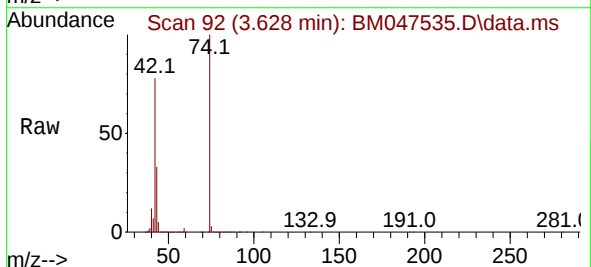
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BNA_M
ClientSampleId :
PT-BN-WP

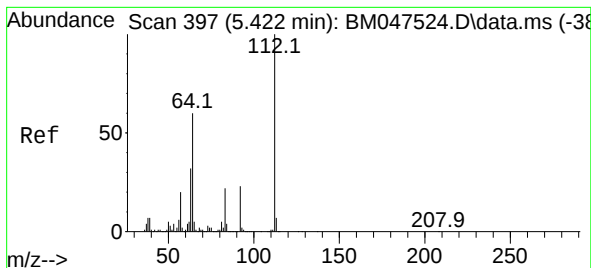
Tgt Ion:152 Resp: 344273
Ion Ratio Lower Upper
152 100
150 156.3 126.8 190.2
115 59.3 47.8 71.8



#4
n-Nitrosodimethylamine
Concen: 112.554 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Tgt Ion: 42 Resp: 1407798
Ion Ratio Lower Upper
42 100
74 128.1 100.5 150.7
44 6.8 6.9 10.3





#5

2-Fluorophenol

Concen: 152.639 ng

RT: 5.422 min Scan# 397

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Instrument :

BNA_M

ClientSampleId :

PT-BN-WP

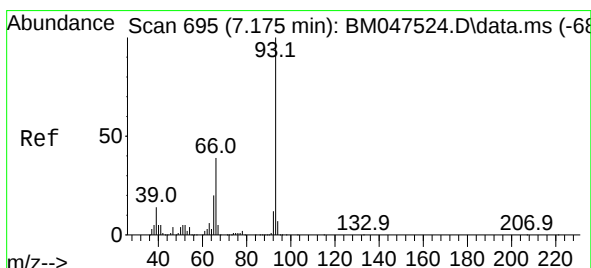
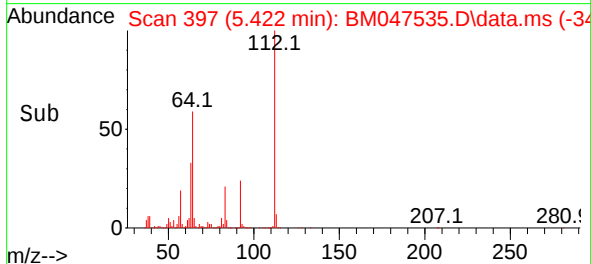
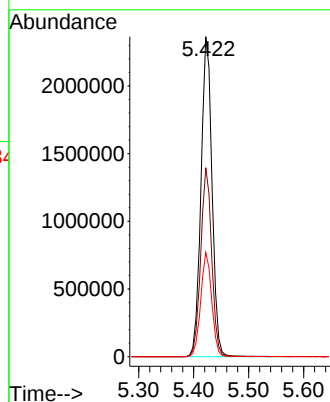
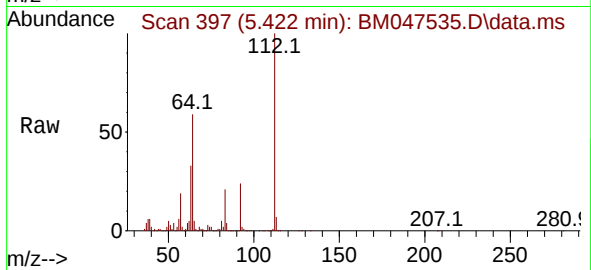
Tgt Ion:112 Resp: 3300401

Ion Ratio Lower Upper

112 100

64 59.0 48.2 72.4

63 32.6 26.0 39.0



#6

Aniline

Concen: 103.878 ng

RT: 7.269 min Scan# 711

Delta R.T. 0.094 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

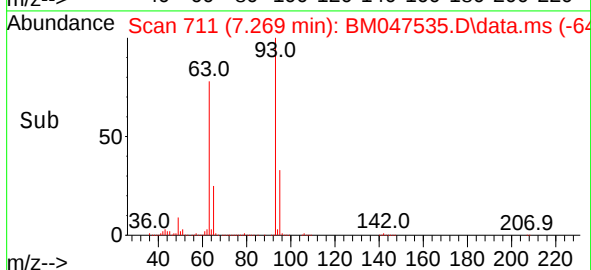
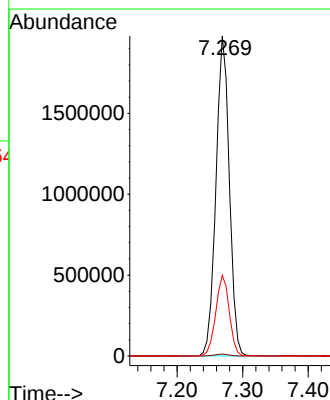
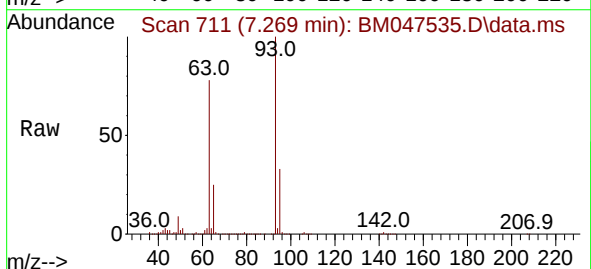
Tgt Ion: 93 Resp: 2804272

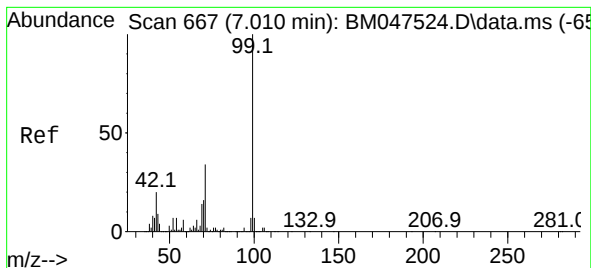
Ion Ratio Lower Upper

93 100

66 0.6 31.4 47.0#

65 25.2 16.3 24.5#





#7

Phenol-d6

Concen: 144.938 ng

RT: 7.010 min Scan# 6

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Instrument :

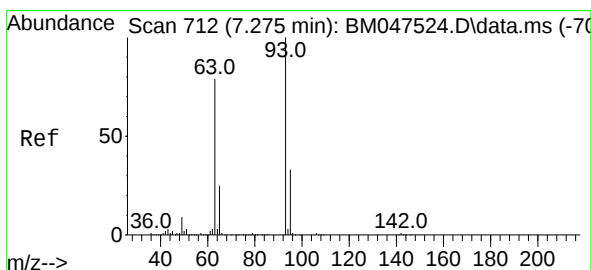
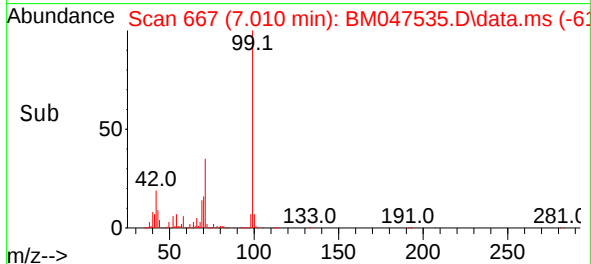
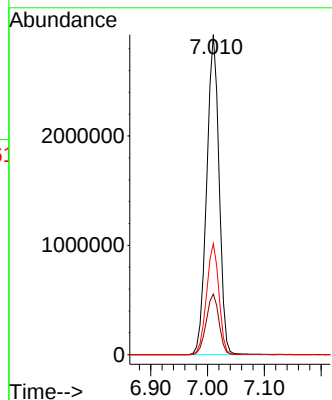
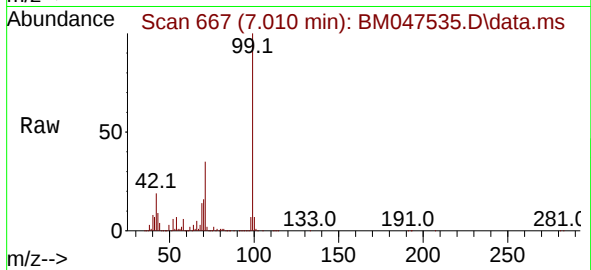
BNA_M

ClientSampleId :

PT-BN-WP

Tgt Ion: 99 Resp: 4413394

Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.8	23.8
71	34.7	27.6	41.4



#11

bis(2-Chloroethyl)ether

Concen: 114.564 ng

RT: 7.269 min Scan# 711

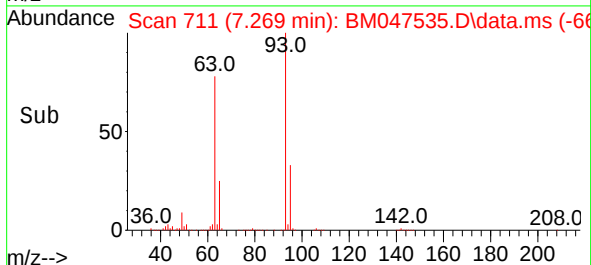
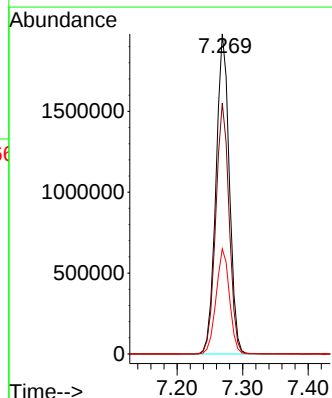
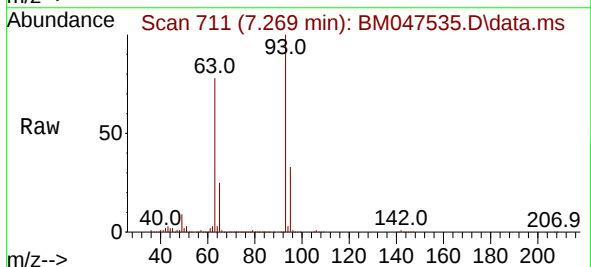
Delta R.T. -0.006 min

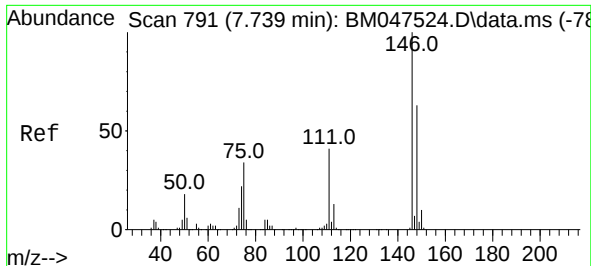
Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Tgt Ion: 93 Resp: 2804272

Ion	Ratio	Lower	Upper
93	100		
63	78.4	58.2	98.2
95	32.8	12.8	52.8

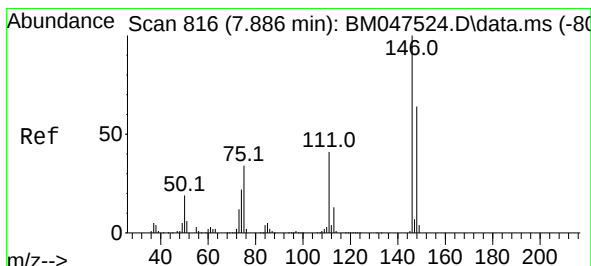
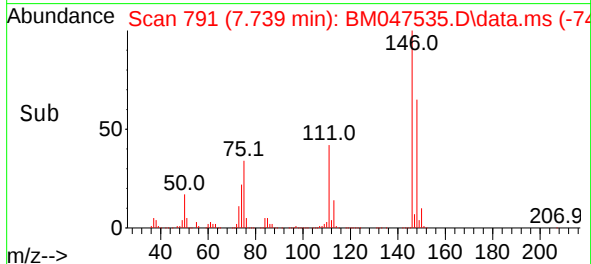
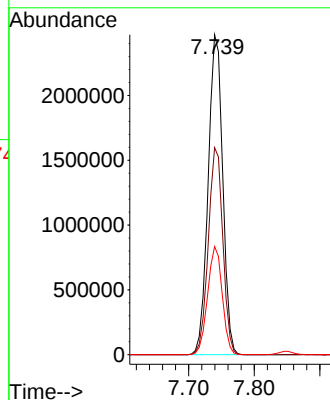
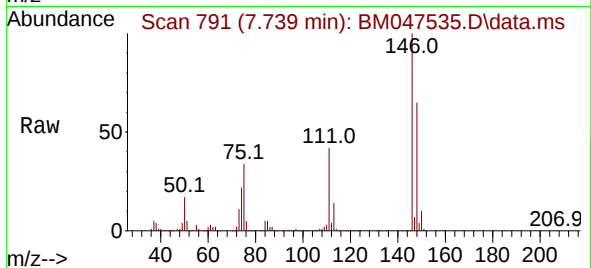




#12
1,3-Dichlorobenzene
Concen: 146.188 ng
RT: 7.739 min Scan# 791
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

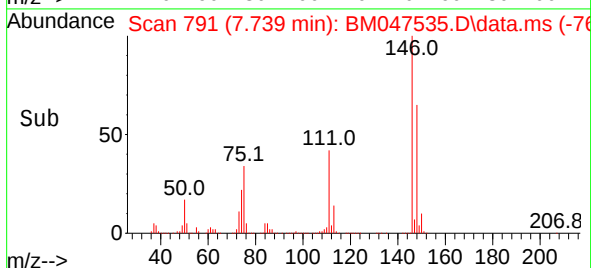
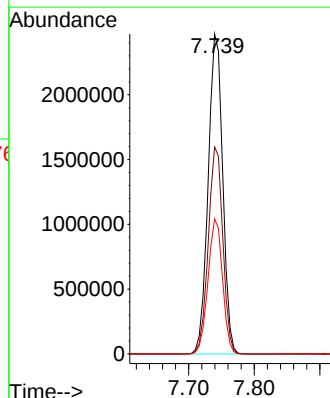
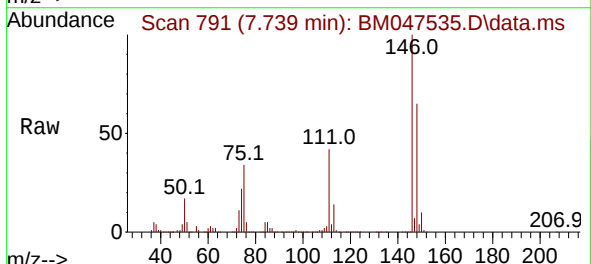
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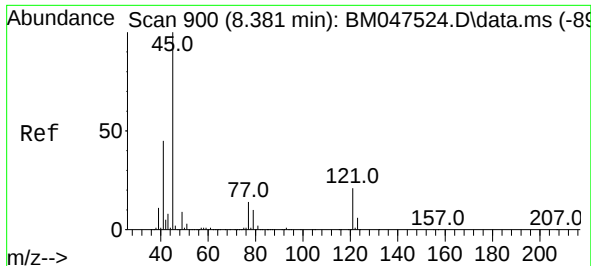
Tgt Ion:146 Resp: 3814062
Ion Ratio Lower Upper
146 100
148 64.7 50.2 75.4
75 33.8 27.4 41.0



#13
1,4-Dichlorobenzene
Concen: 143.528 ng
RT: 7.739 min Scan# 791
Delta R.T. -0.147 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Tgt Ion:146 Resp: 3814062
Ion Ratio Lower Upper
146 100
148 64.7 51.3 76.9
111 42.2 32.9 49.3

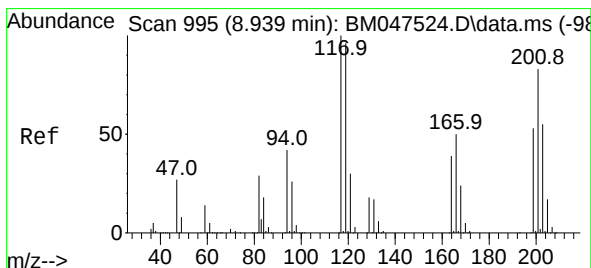
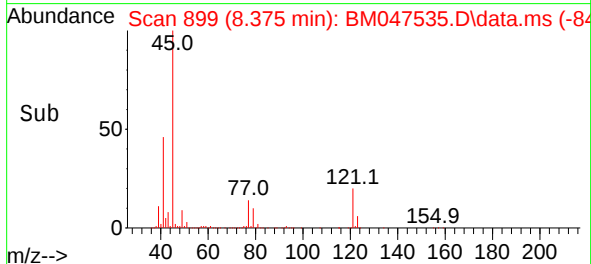
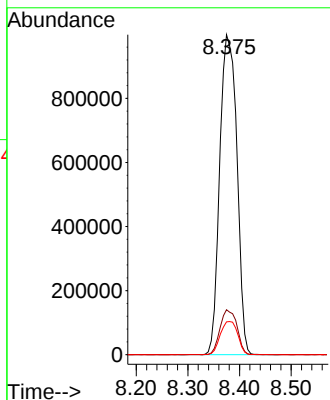
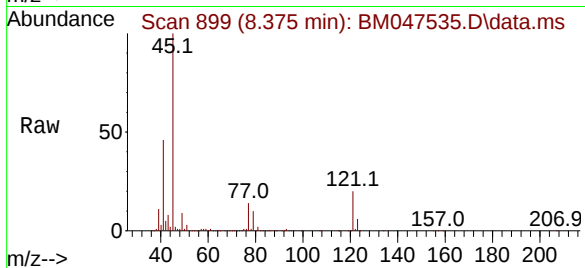




#16
2,2'-oxybis(1-Chloropropane)
Concen: 66.913 ng
RT: 8.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

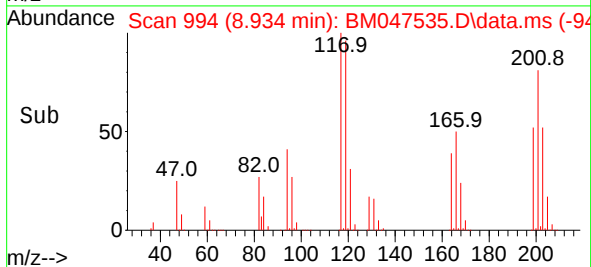
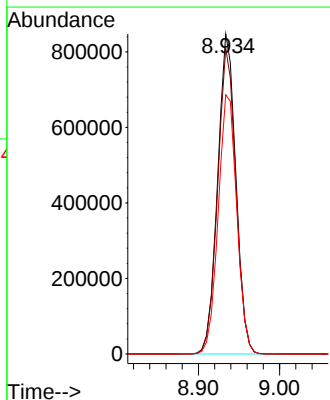
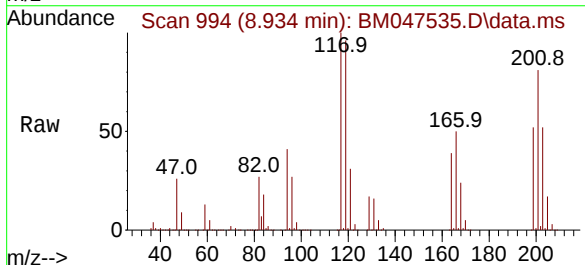
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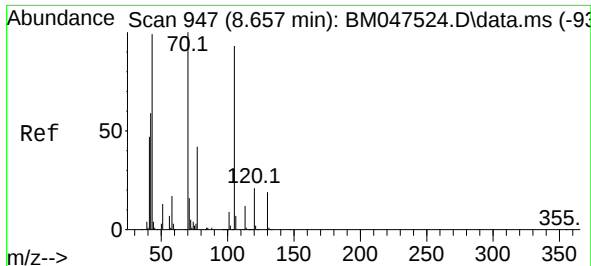
Tgt Ion: 45 Resp: 2303999
Ion Ratio Lower Upper
45 100
77 14.0 0.0 33.7
79 10.3 0.0 30.3



#18
Hexachloroethane
Concen: 124.673 ng
RT: 8.934 min Scan# 994
Delta R.T. -0.006 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Tgt Ion:117 Resp: 1323486
Ion Ratio Lower Upper
117 100
119 95.5 77.0 115.4
201 81.0 66.8 100.2





#19

n-Nitroso-di-n-propylamine

Concen: 107.443 ng

RT: 8.657 min Scan# 947

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Instrument :

BNA_M

ClientSampleId :

PT-BN-WP

Tgt Ion: 70 Resp: 2205866

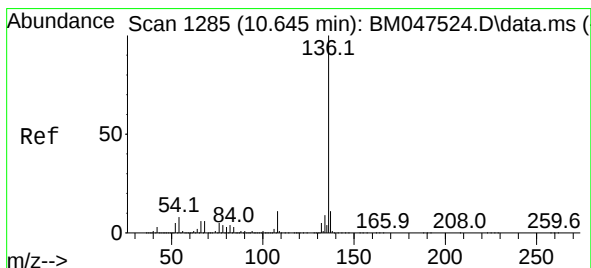
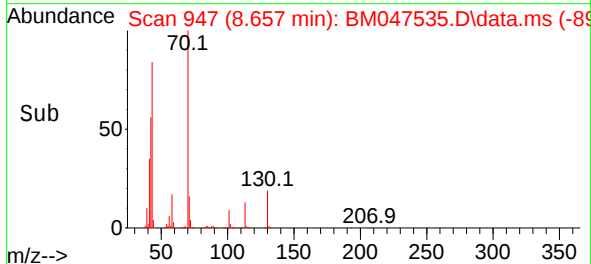
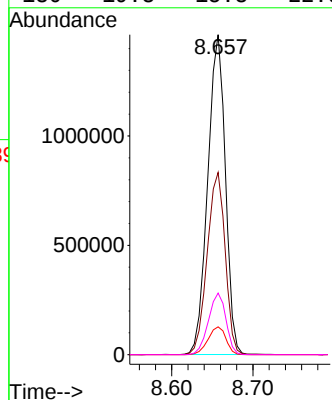
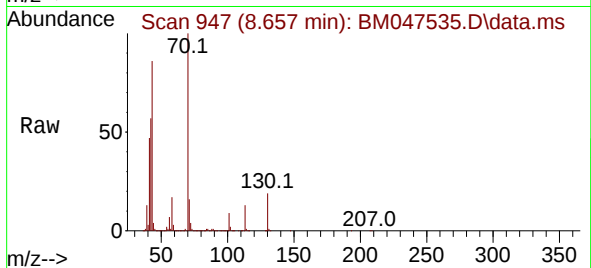
Ion Ratio Lower Upper

70 100

42 57.0 48.2 72.2

101 8.7 7.0 10.4

130 19.3 15.3 22.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.645 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Tgt Ion: 136 Resp: 1460341

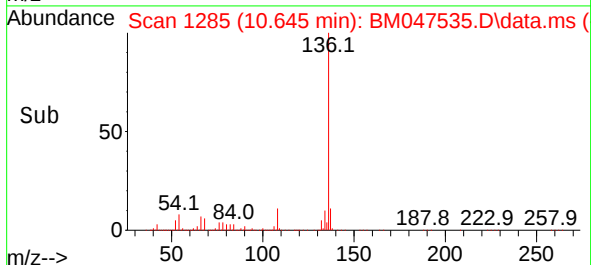
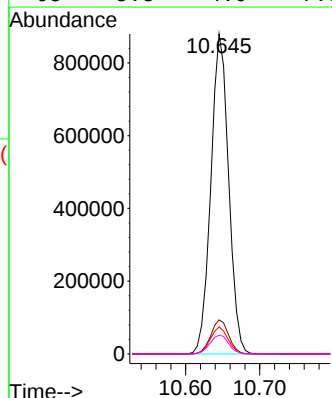
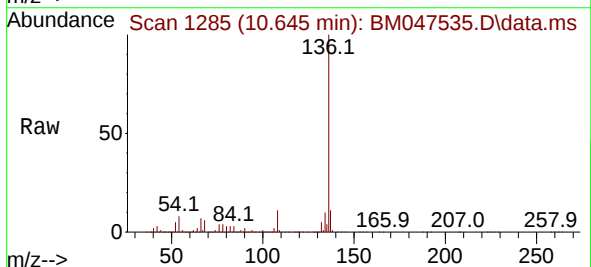
Ion Ratio Lower Upper

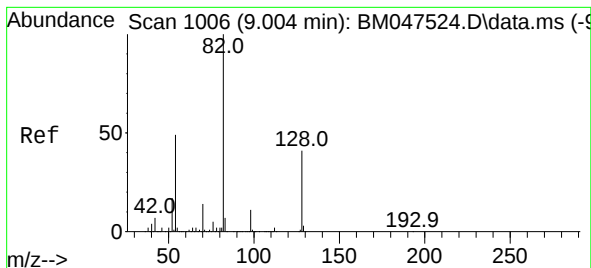
136 100

137 10.6 9.0 13.6

54 8.5 6.6 9.8

68 5.8 4.9 7.3





#23

Nitrobenzene-d5

Concen: 96.745 ng

RT: 9.004 min Scan# 1006

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Instrument :

BNA_M

ClientSampleId :

PT-BN-WP

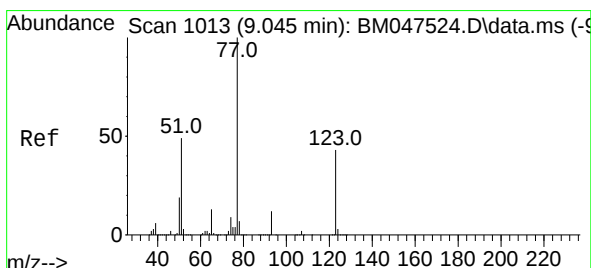
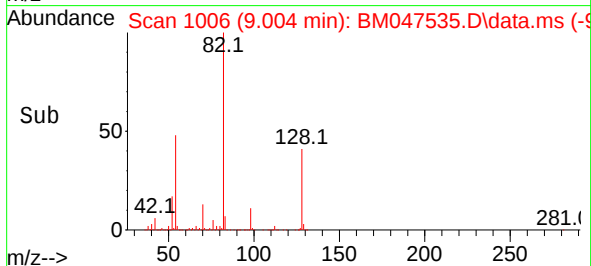
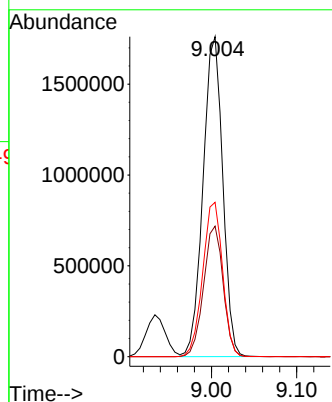
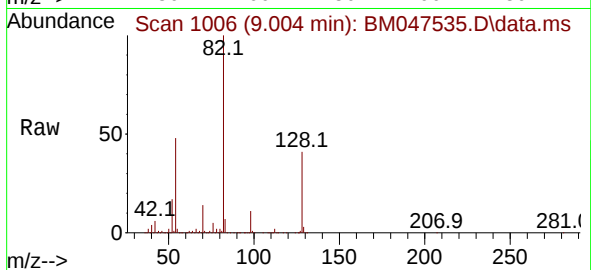
Tgt Ion: 82 Resp: 2823010

Ion Ratio Lower Upper

82 100

128 40.8 33.0 49.4

54 48.3 39.3 58.9



#24

Nitrobenzene

Concen: 3.647 ng

RT: 9.045 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

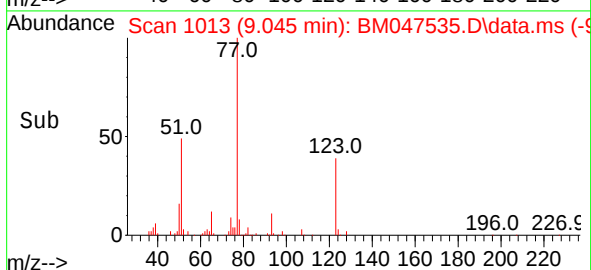
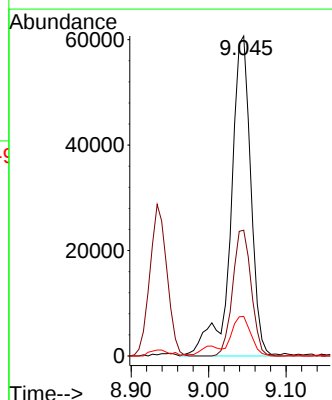
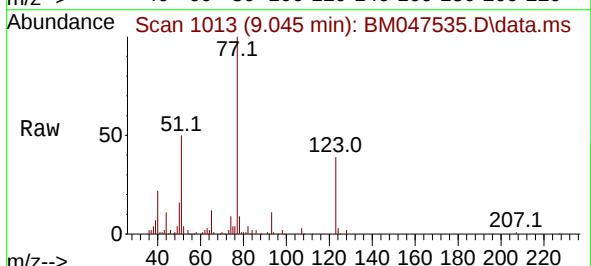
Tgt Ion: 77 Resp: 109367

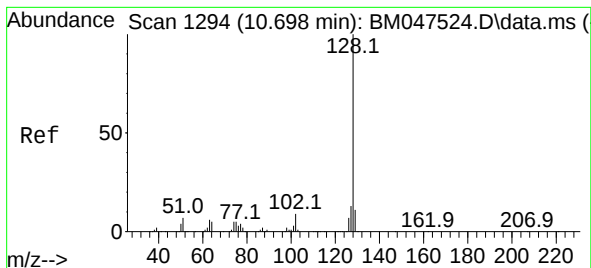
Ion Ratio Lower Upper

77 100

123 39.3 34.5 51.7

65 12.4 10.7 16.1





#31

Naphthalene

Concen: 147.841 ng

RT: 10.698 min Scan# 1294

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Instrument :

BNA_M

ClientSampleId :

PT-BN-WP

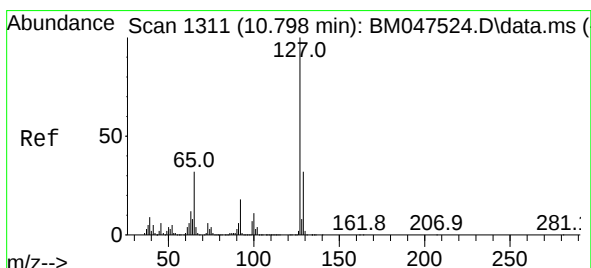
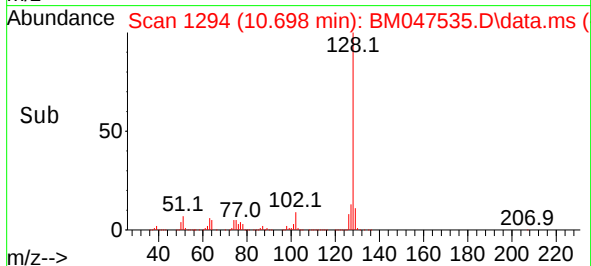
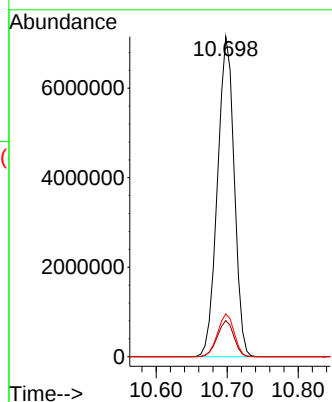
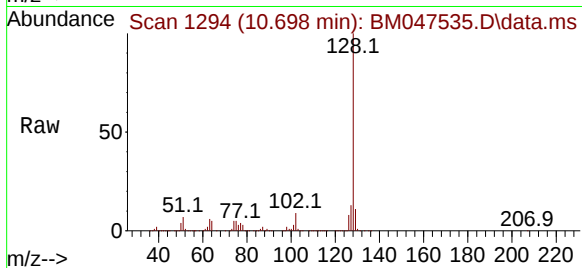
Tgt Ion:128 Resp:11660125

Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

127 13.4 10.5 15.7



#33

4-Chloroaniline

Concen: 54.374 ng

RT: 10.698 min Scan# 1294

Delta R.T. -0.100 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Tgt Ion:127 Resp: 1550521

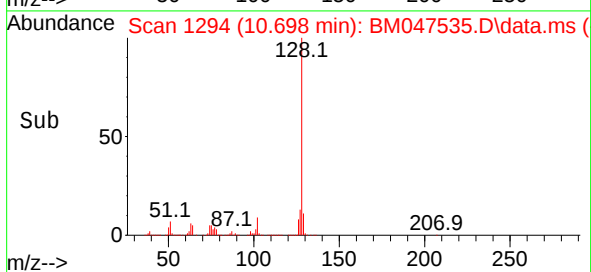
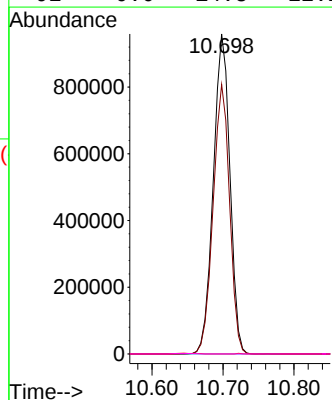
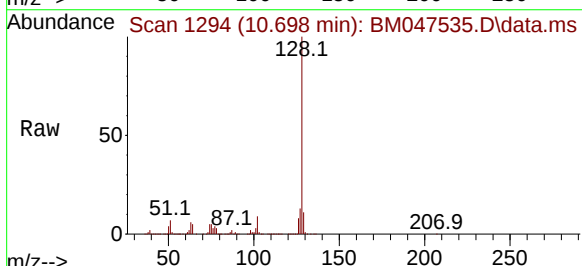
Ion Ratio Lower Upper

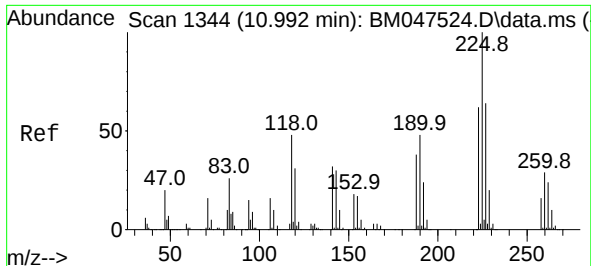
127 100

129 84.2 25.4 38.0#

65 0.0 25.5 38.3#

92 0.0 14.8 22.2#

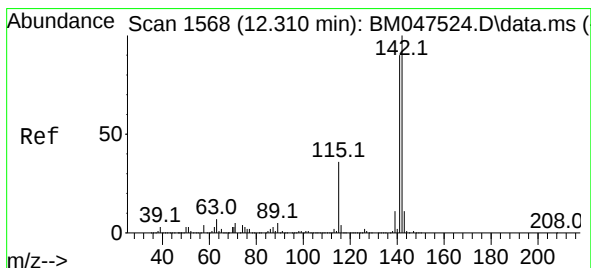
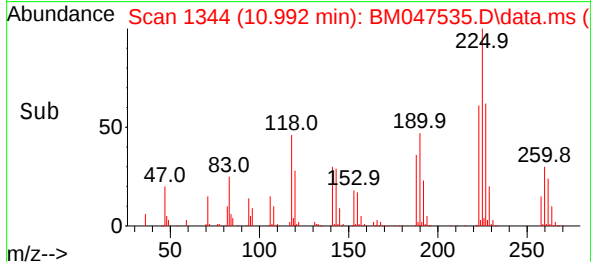
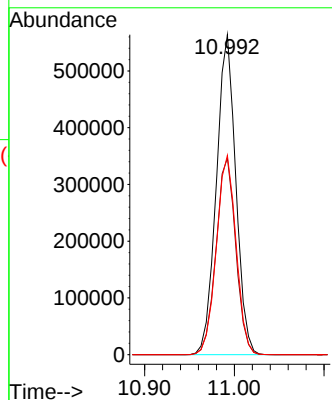
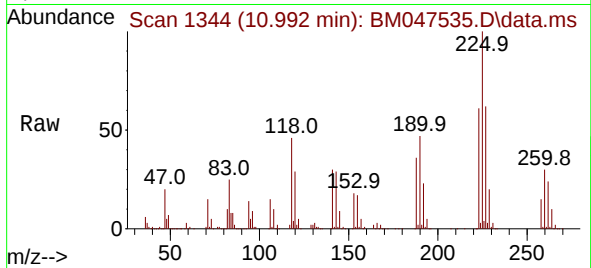




#34
Hexachlorobutadiene
Concen: 67.838 ng
RT: 10.992 min Scan# 1344
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

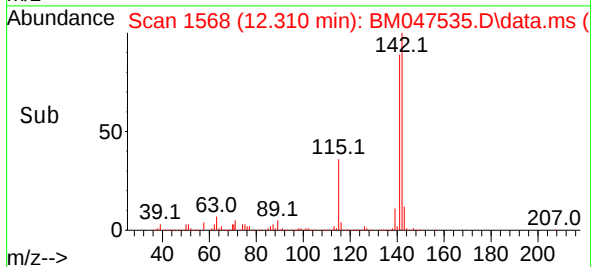
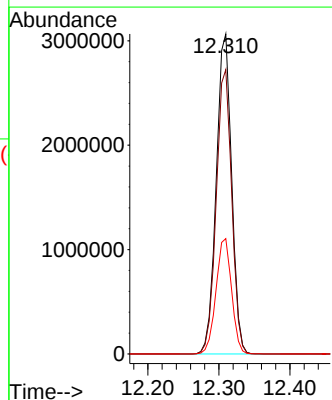
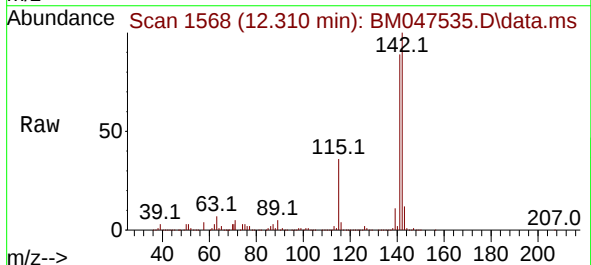
Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

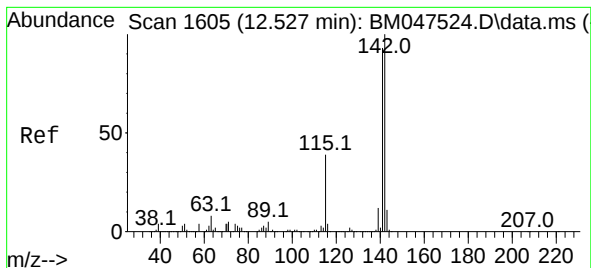
Tgt Ion:225 Resp: 846952
Ion Ratio Lower Upper
225 100
223 61.4 49.8 74.6
227 62.3 51.0 76.4



#37
2-Methylnaphthalene
Concen: 87.431 ng
RT: 12.310 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Tgt Ion:142 Resp: 4589437
Ion Ratio Lower Upper
142 100
141 88.9 72.2 108.4
115 36.1 29.1 43.7





#38

1-Methylnaphthalene

Concen: 171.700 ng

RT: 12.527 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Instrument :

BNA_M

ClientSampleId :

PT-BN-WP

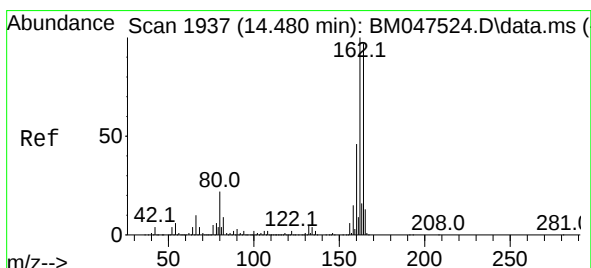
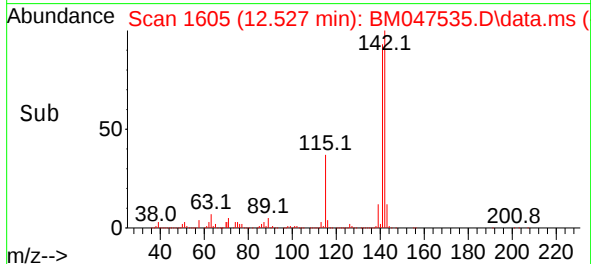
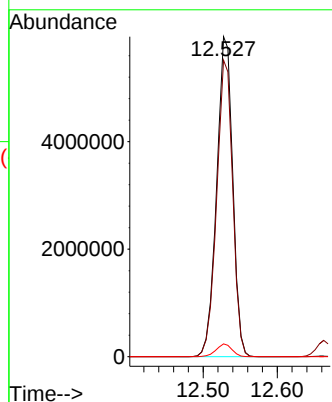
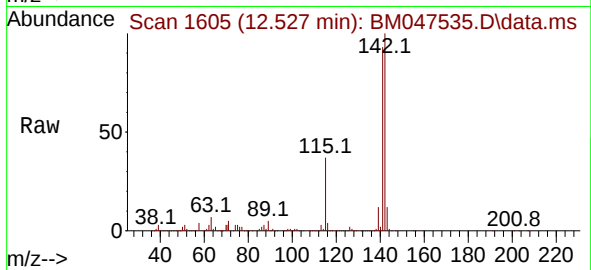
Tgt Ion:142 Resp: 8956817

Ion Ratio Lower Upper

142 100

141 92.6 74.7 112.1

116 4.0 3.2 4.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.480 min Scan# 1937

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

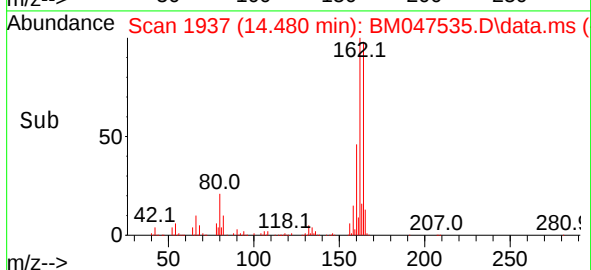
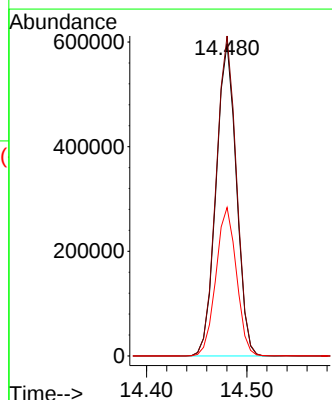
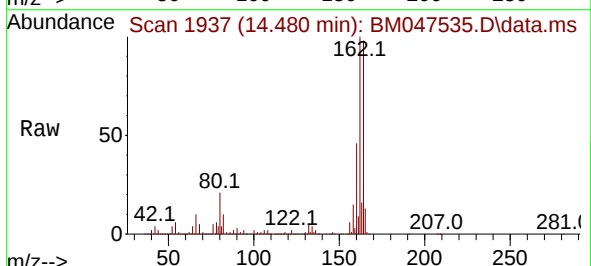
Tgt Ion:164 Resp: 837356

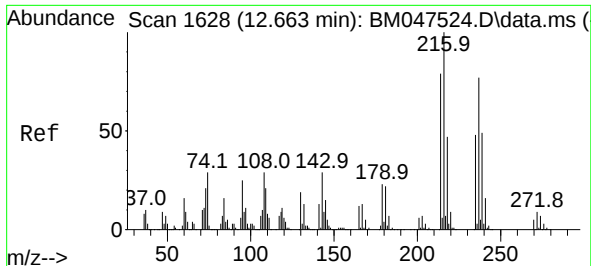
Ion Ratio Lower Upper

164 100

162 102.4 82.2 123.2

160 47.5 38.2 57.2

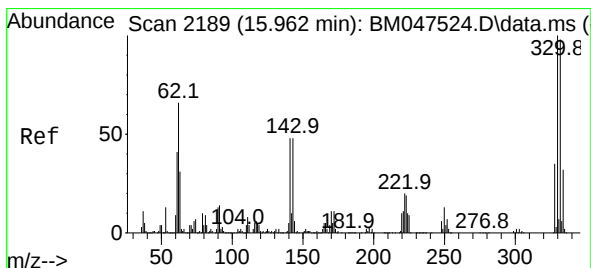
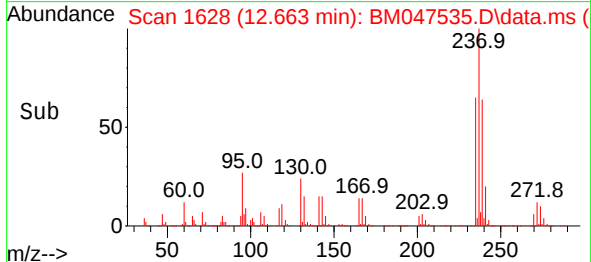
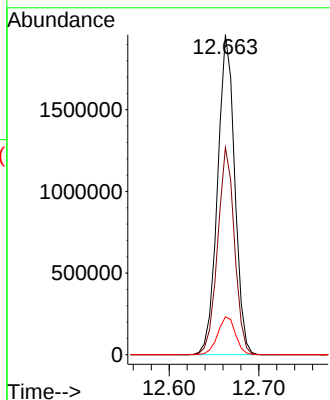
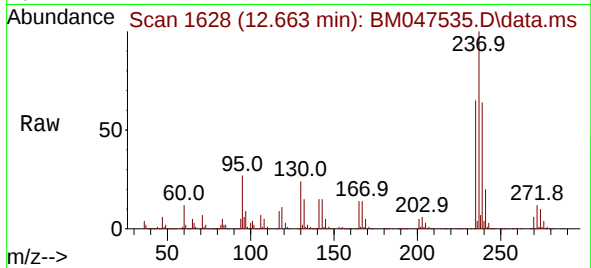




#41
Hexachlorocyclopentadiene
Concen: 351.028 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

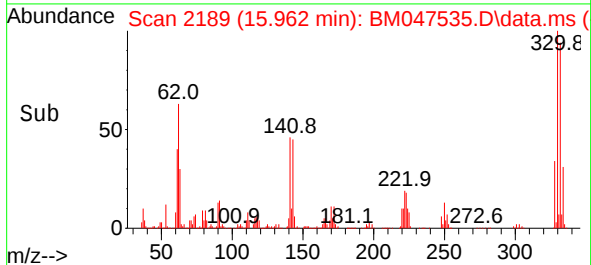
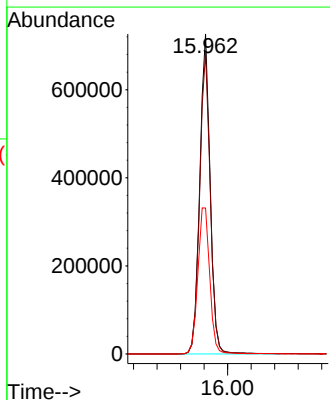
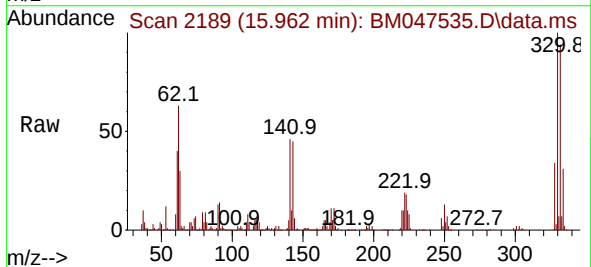
Instrument :
BNA_M
ClientSampleId :
PT-BN-WP

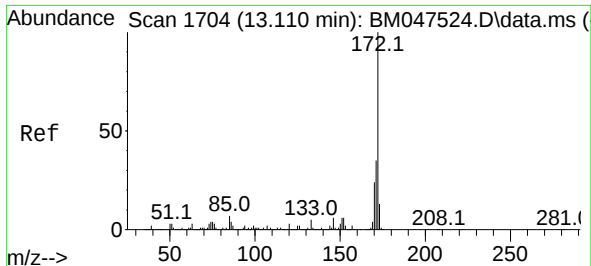
Tgt Ion:237 Resp: 2600147
Ion Ratio Lower Upper
237 100
235 64.7 42.0 82.0
272 11.8 0.0 31.5



#42
2,4,6-Tribromophenol
Concen: 111.053 ng
RT: 15.962 min Scan# 2189
Delta R.T. 0.000 min
Lab File: BM047535.D
Acq: 16 Sep 2024 12:56

Tgt Ion:330 Resp: 898838
Ion Ratio Lower Upper
330 100
332 95.7 76.9 115.3
141 51.8 42.2 63.2





#45

2-Fluorobiphenyl

Concen: 98.031 ng

RT: 13.110 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Instrument :

BNA_M

ClientSampleId :

PT-BN-WP

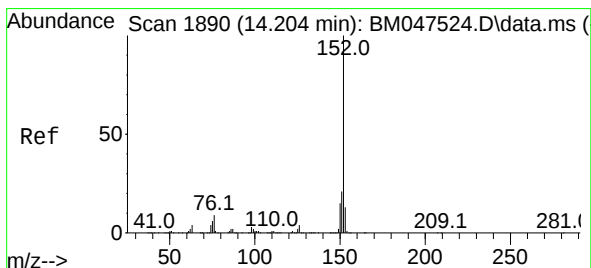
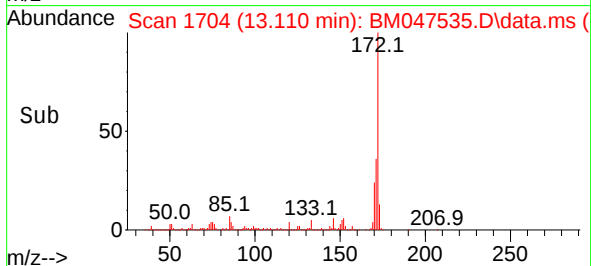
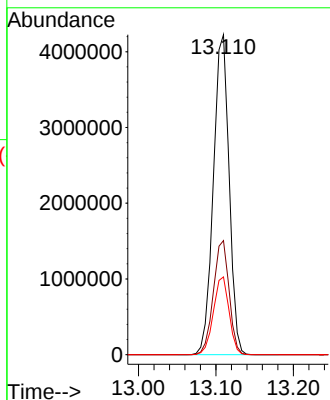
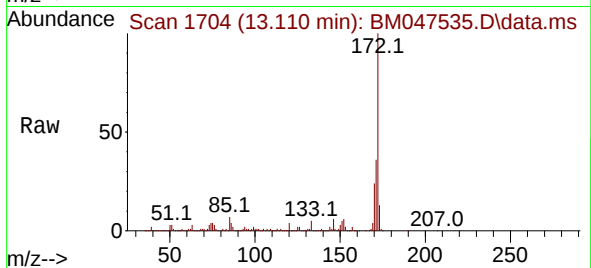
Tgt Ion:172 Resp: 5959022

Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.2

170 24.3 19.4 29.0



#49

Acenaphthylene

Concen: 168.691 ng

RT: 14.204 min Scan# 1890

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

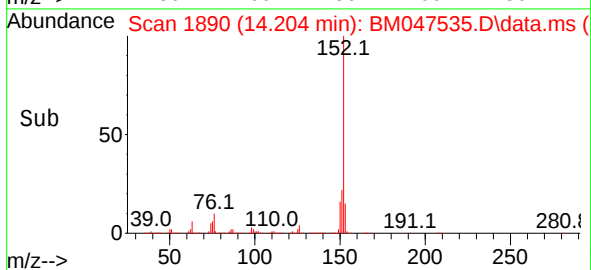
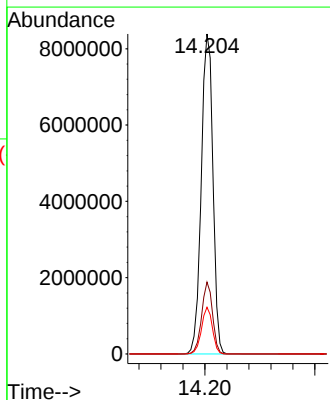
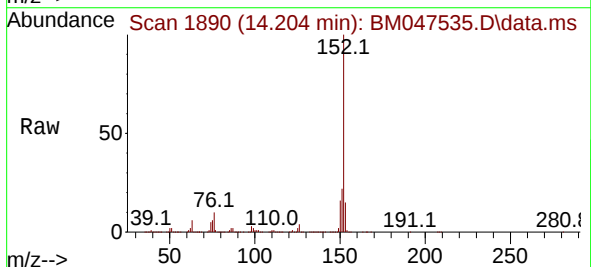
Tgt Ion:152 Resp:12314771

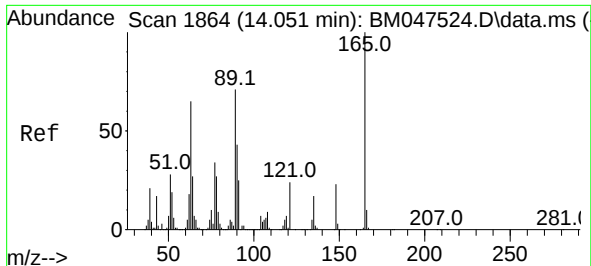
Ion Ratio Lower Upper

152 100

151 22.5 16.5 24.7

153 14.6 10.4 15.6





#51

2,6-Dinitrotoluene

Concen: 87.096 ng

RT: 14.051 min Scan# 1864

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Instrument :

BNA_M

ClientSampleId :

PT-BN-WP

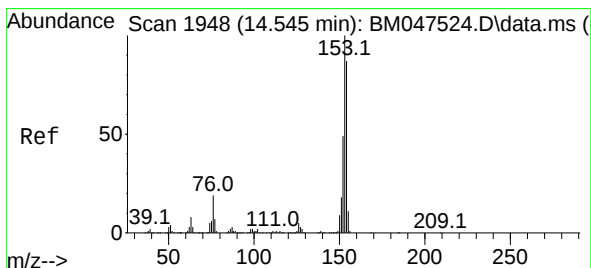
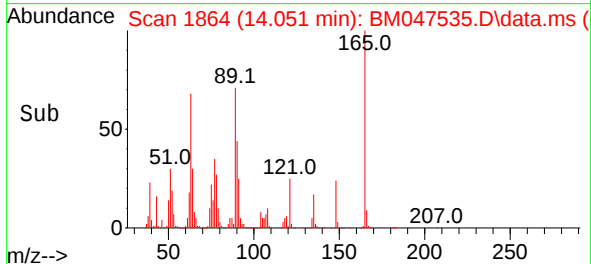
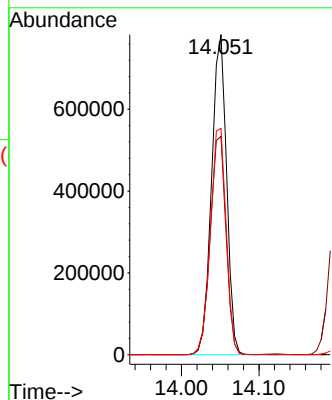
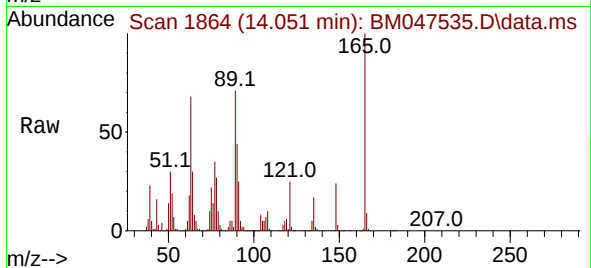
Tgt Ion:165 Resp: 1049356

Ion Ratio Lower Upper

165 100

63 68.2 54.2 81.2

89 70.7 56.4 84.6



#52

Acenaphthene

Concen: 16.422 ng

RT: 14.545 min Scan# 1948

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

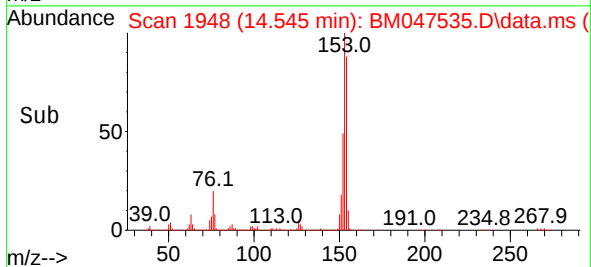
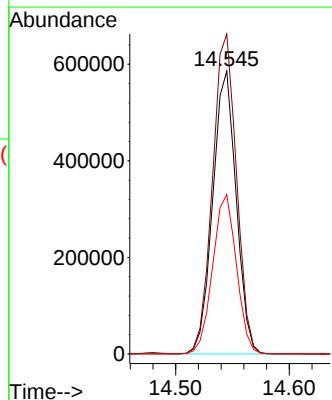
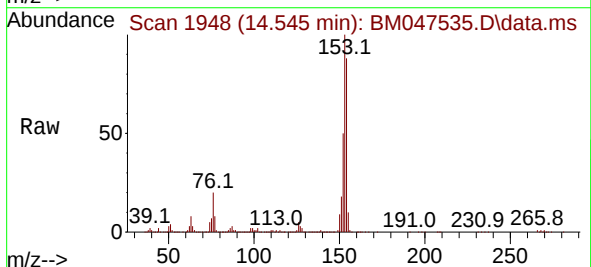
Tgt Ion:154 Resp: 840007

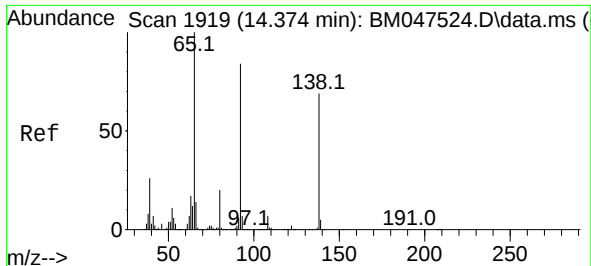
Ion Ratio Lower Upper

154 100

153 113.1 92.2 138.2

152 56.4 45.4 68.0





#53

3-Nitroaniline

Concen: 93.305 ng

RT: 14.380 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Instrument :

BNA_M

ClientSampleId :

PT-BN-WP

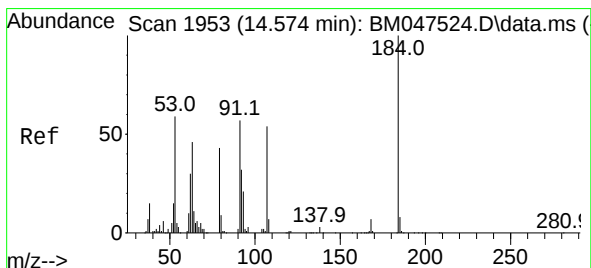
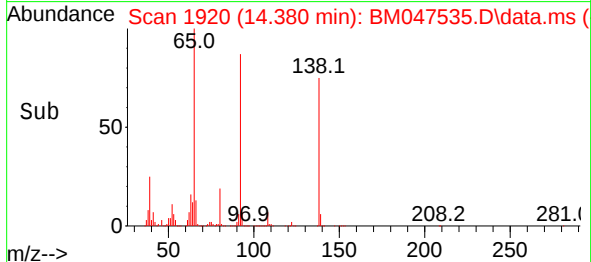
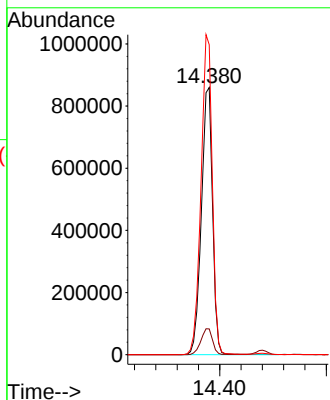
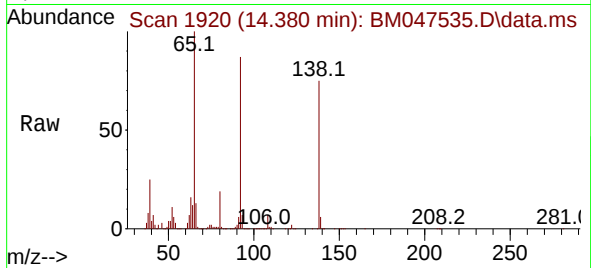
Tgt Ion:138 Resp: 1249510

Ion Ratio Lower Upper

138 100

108 9.6 8.0 12.0

92 116.0 97.4 146.0



#54

2,4-Dinitrophenol

Concen: 2.577 ng

RT: 14.721 min Scan# 1978

Delta R.T. 0.147 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

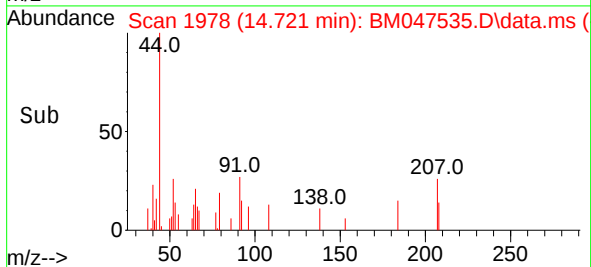
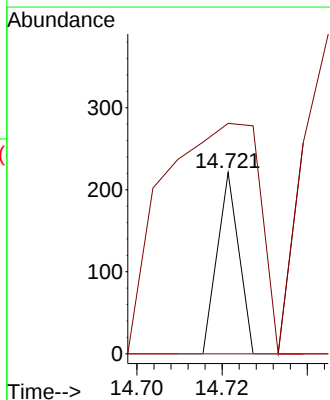
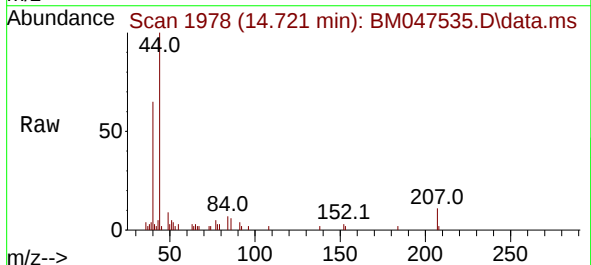
Tgt Ion:184 Resp: 78

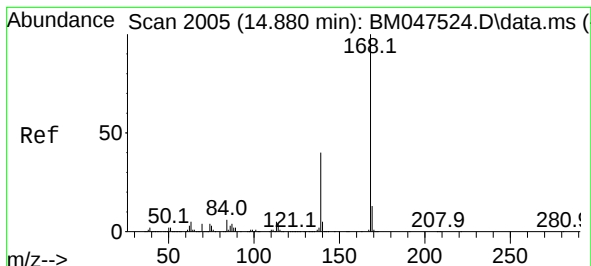
Ion Ratio Lower Upper

184 100

63 127.1 69.4 104.0#

154 0.0 60.4 90.6#





#55

Dibenzenofuran

Concen: 56.522 ng

RT: 14.880 min Scan# 2005

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Instrument :

BNA_M

ClientSampleId :

PT-BN-WP

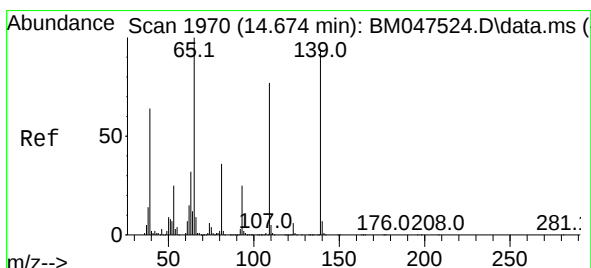
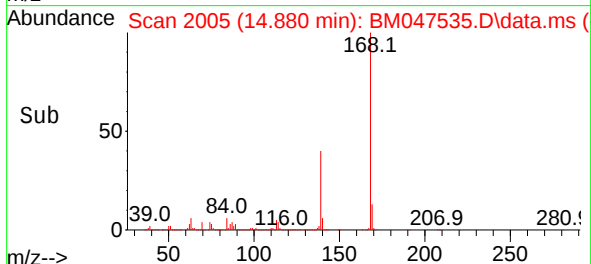
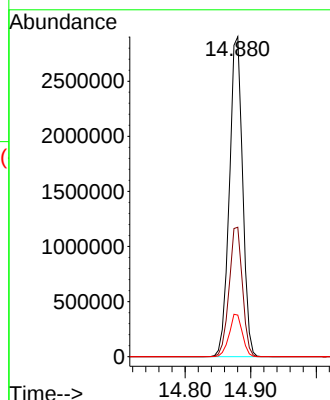
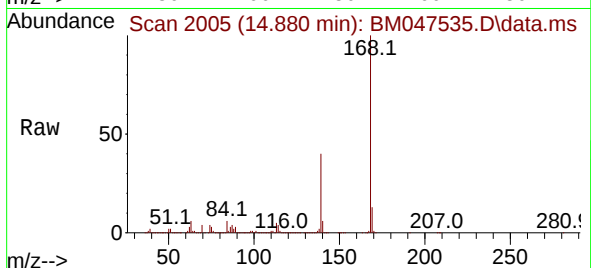
Tgt Ion:168 Resp: 4062690

Ion Ratio Lower Upper

168 100

139 40.4 31.9 47.9

169 13.0 10.5 15.7



#56

4-Nitrophenol

Concen: 150.276 ng

RT: 14.880 min Scan# 2005

Delta R.T. 0.206 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

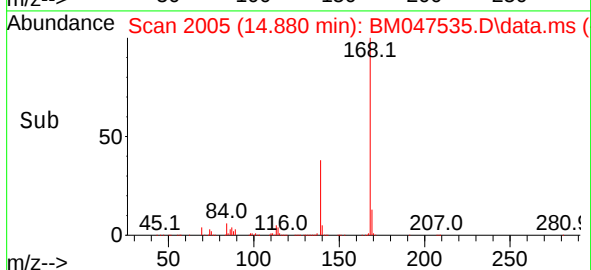
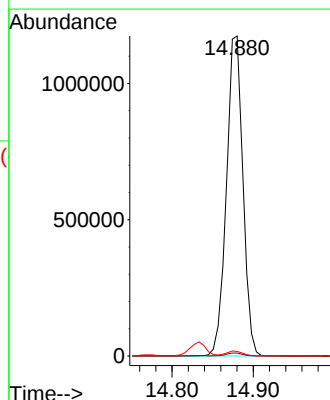
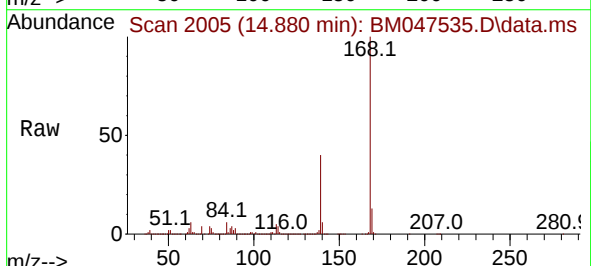
Tgt Ion:139 Resp: 1656008

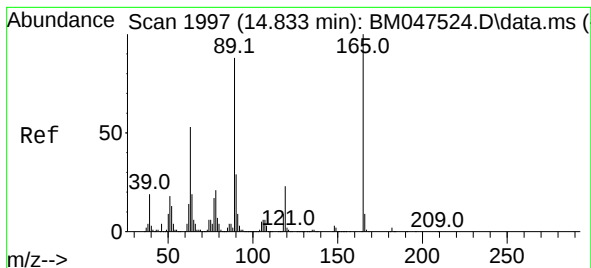
Ion Ratio Lower Upper

139 100

109 0.9 62.0 102.0#

65 1.4 87.0 127.0#





#57

2,4-Dinitrotoluene

Concen: 64.763 ng

RT: 14.833 min Scan# 1997

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Instrument :

BNA_M

ClientSampleId :

PT-BN-WP

Tgt Ion:165 Resp: 1040650

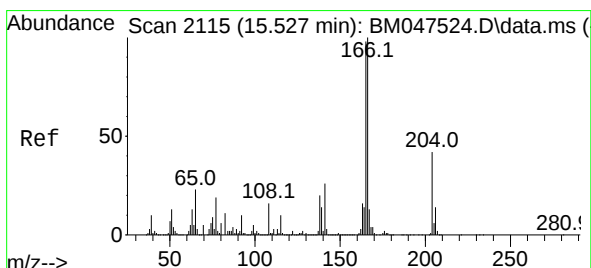
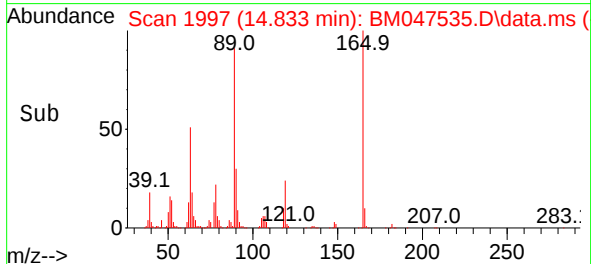
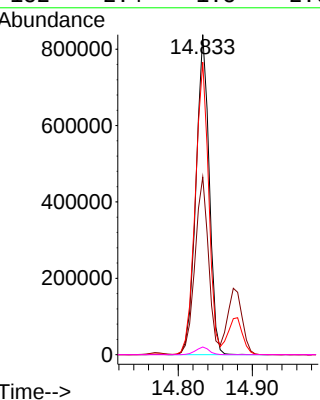
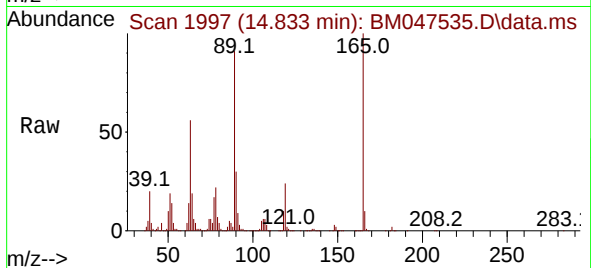
Ion Ratio Lower Upper

165 100

63 55.5 42.4 63.6

89 91.4 70.5 105.7

182 2.4 1.8 2.6



#58

Fluorene

Concen: 182.635 ng

RT: 15.527 min Scan# 2115

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

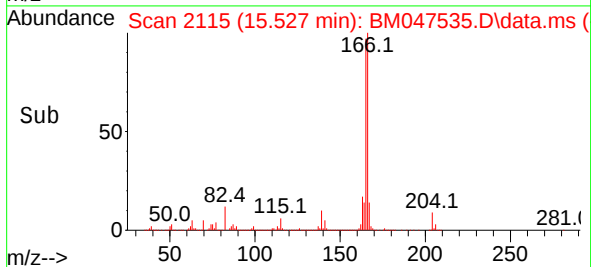
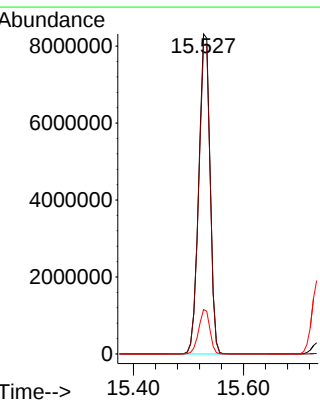
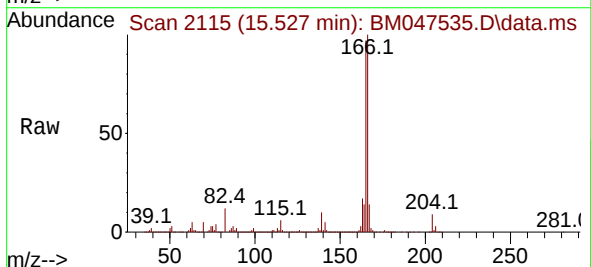
Tgt Ion:166 Resp:11818892

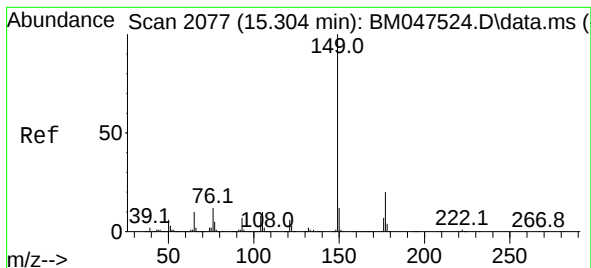
Ion Ratio Lower Upper

166 100

165 96.7 78.6 117.8

167 13.9 10.7 16.1





#60

Diethylphthalate

Concen: 92.622 ng

RT: 15.304 min Scan# 2077

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Instrument :

BNA_M

ClientSampleId :

PT-BN-WP

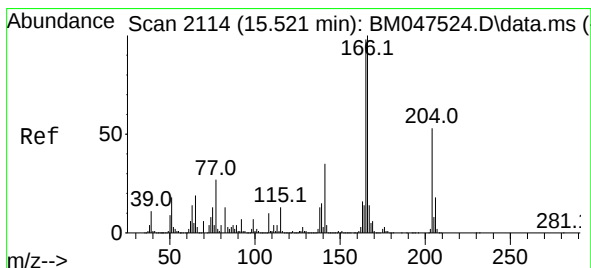
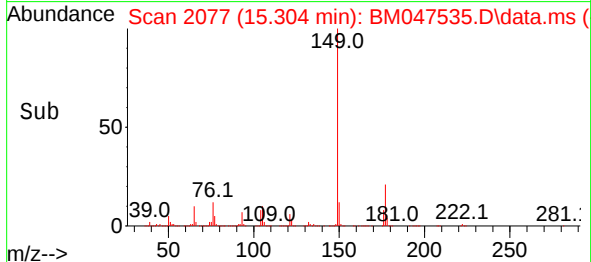
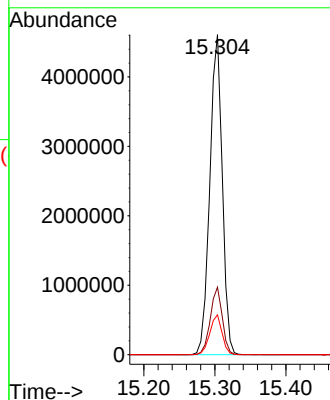
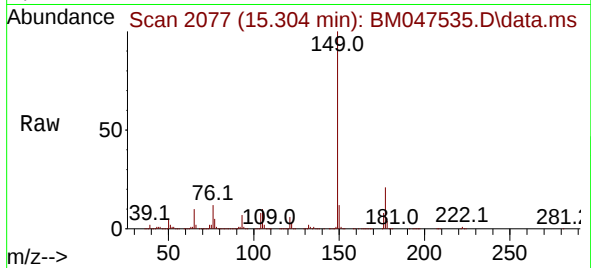
Tgt Ion:149 Resp: 5625960

Ion Ratio Lower Upper

149 100

177 21.1 15.8 23.8

150 12.5 9.7 14.5



#61

4-Chlorophenyl-phenylether

Concen: 39.841 ng

RT: 15.521 min Scan# 2114

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

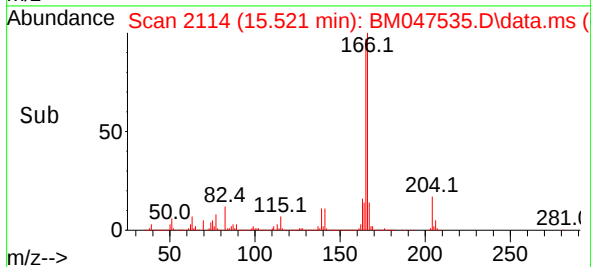
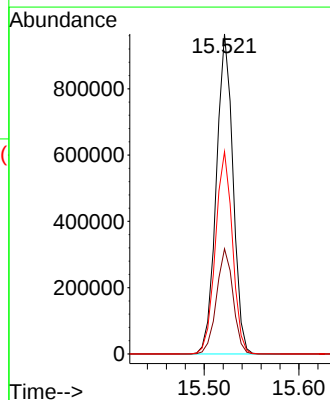
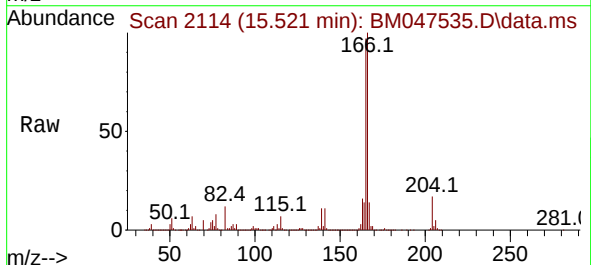
Tgt Ion:204 Resp: 1178872

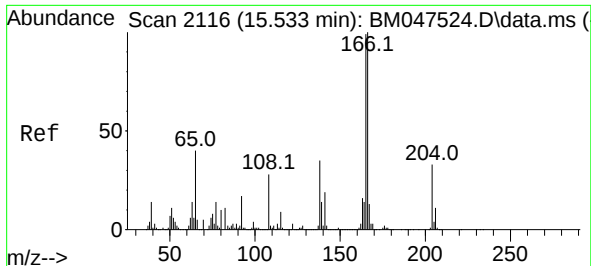
Ion Ratio Lower Upper

204 100

206 32.8 26.5 39.7

141 63.2 52.1 78.1





#62

4-Nitroaniline

Concen: 9.173 ng

RT: 15.527 min Scan# 2115

Delta R.T. -0.006 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Instrument :

BNA_M

ClientSampleId :

PT-BN-WP

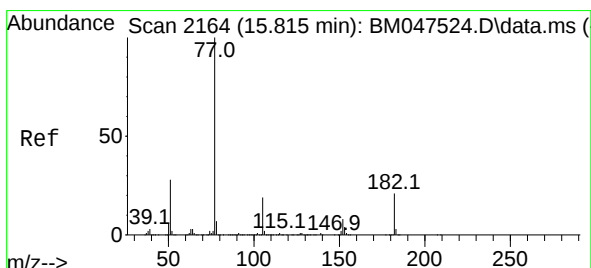
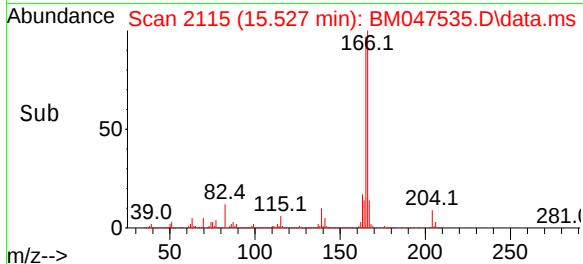
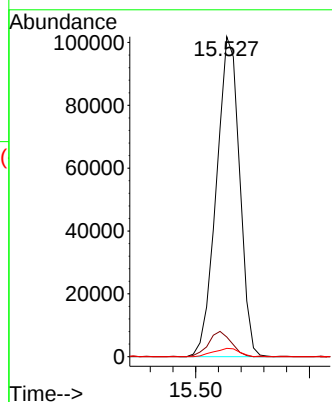
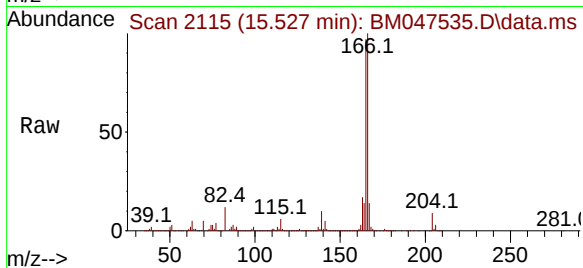
Tgt Ion:138 Resp: 144392

Ion Ratio Lower Upper

138 100

92 6.1 30.0 70.0#

108 2.6 61.7 101.7#



#63

Azobenzene

Concen: 12.058 ng

RT: 15.733 min Scan# 2150

Delta R.T. -0.082 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Tgt Ion: 77 Resp: 806456

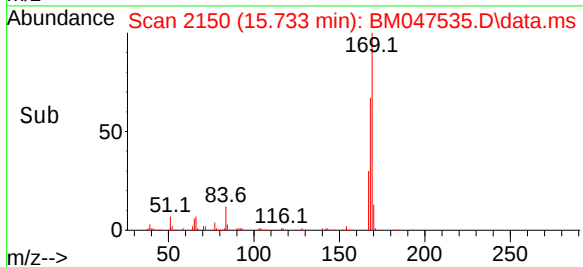
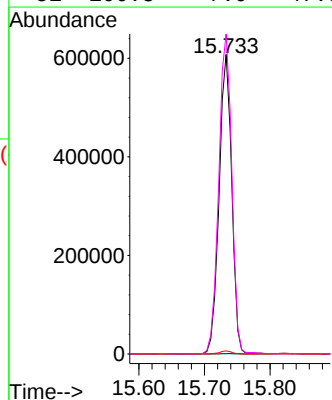
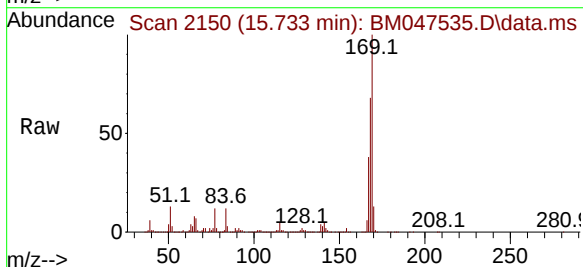
Ion Ratio Lower Upper

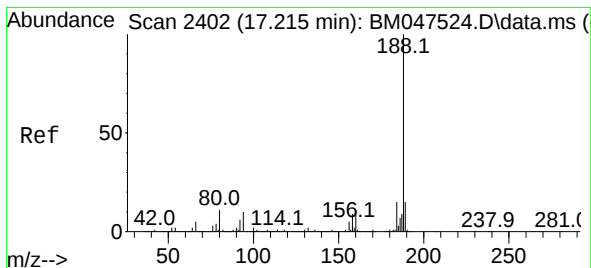
77 100

182 0.1 1.2 41.2#

105 1.0 0.0 39.4

51 106.8 7.9 47.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.215 min Scan# 2402

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Instrument :

BNA_M

ClientSampleId :

PT-BN-WP

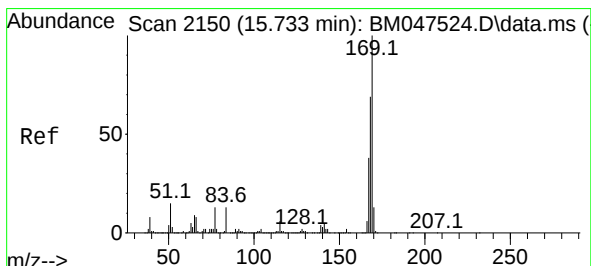
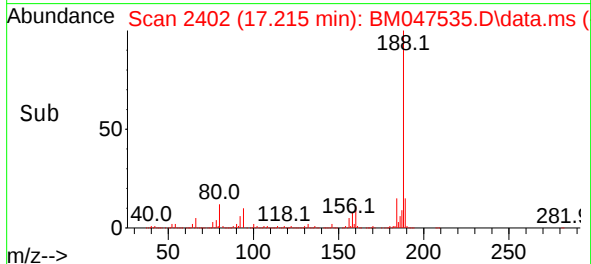
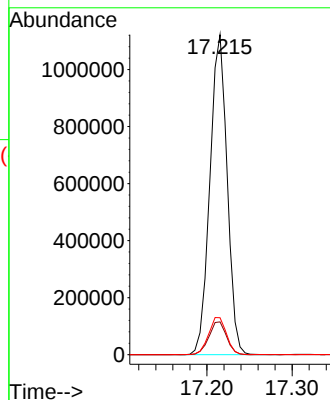
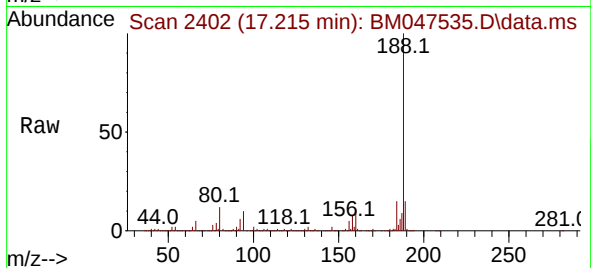
Tgt Ion:188 Resp: 1576550

Ion Ratio Lower Upper

188 100

94 10.3 8.4 12.6

80 11.5 9.1 13.7



#66

n-Nitrosodiphenylamine

Concen: 130.199 ng

RT: 15.733 min Scan# 2150

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

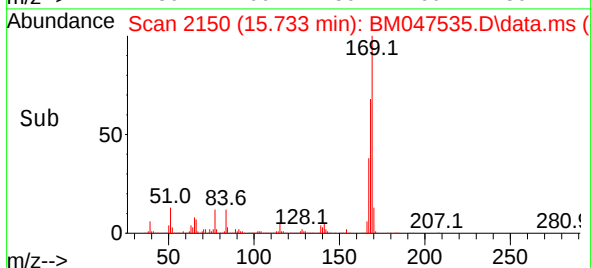
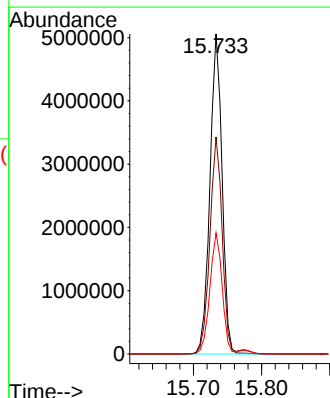
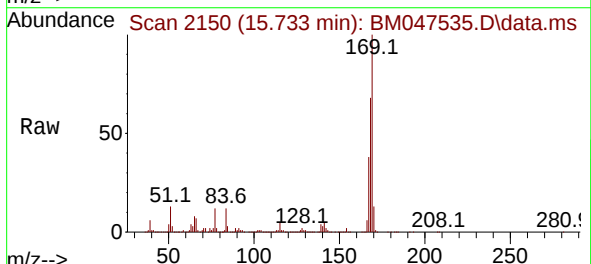
Tgt Ion:169 Resp: 6279471

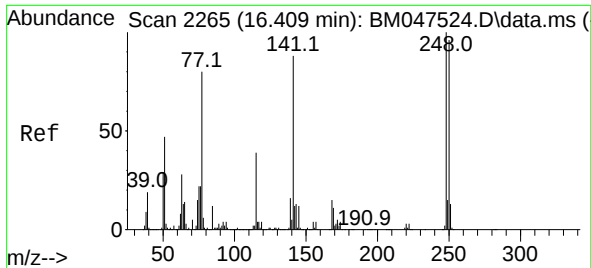
Ion Ratio Lower Upper

169 100

168 67.8 55.3 82.9

167 37.8 30.5 45.7





#67

4-Bromophenyl-phenylether

Concen: 2.892 ng

RT: 16.527 min Scan# 2285

Delta R.T. 0.118 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Instrument :

BNA_M

ClientSampleId :

PT-BN-WP

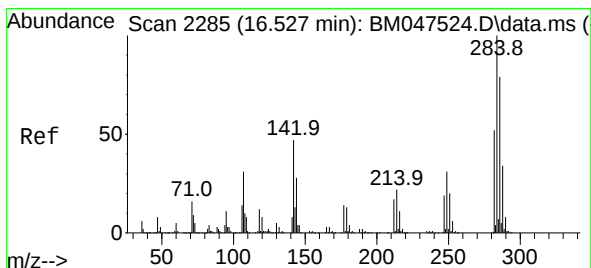
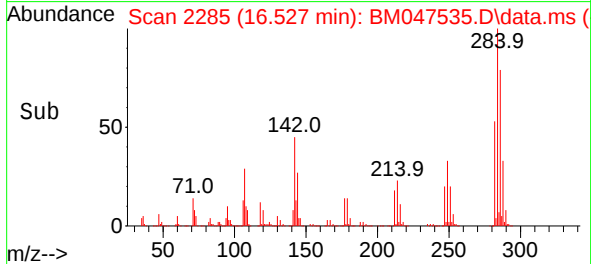
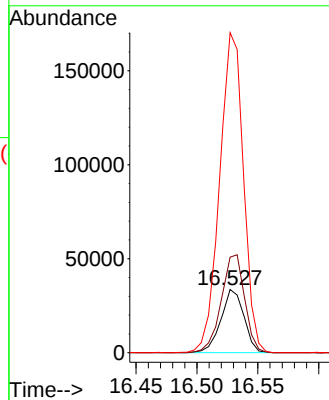
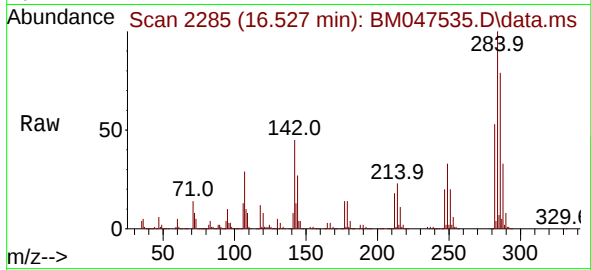
Tgt Ion:248 Resp: 44299

Ion Ratio Lower Upper

248 100

250 151.3 76.9 115.3#

141 506.4 70.8 106.2#



#68

Hexachlorobenzene

Concen: 165.608 ng

RT: 16.533 min Scan# 2286

Delta R.T. 0.006 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

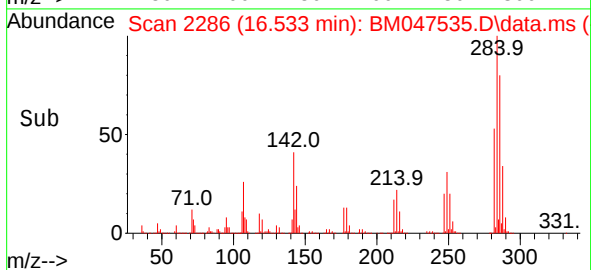
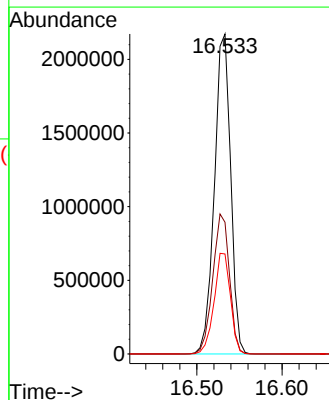
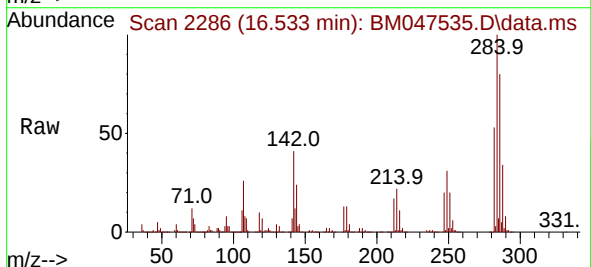
Tgt Ion:284 Resp: 2873965

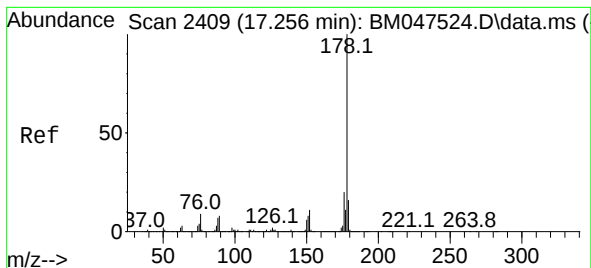
Ion Ratio Lower Upper

284 100

142 41.1 37.3 55.9

249 31.3 24.5 36.7





#71

Phenanthrene

Concen: 128.369 ng

RT: 17.351 min Scan# 2425

Delta R.T. 0.094 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Instrument :

BNA_M

ClientSampleId :

PT-BN-WP

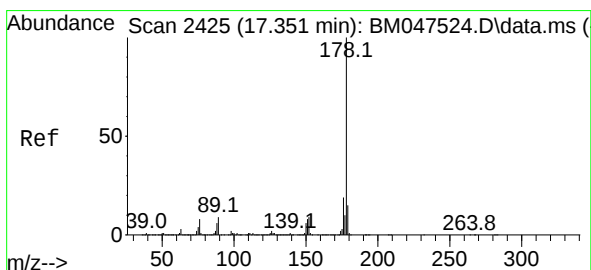
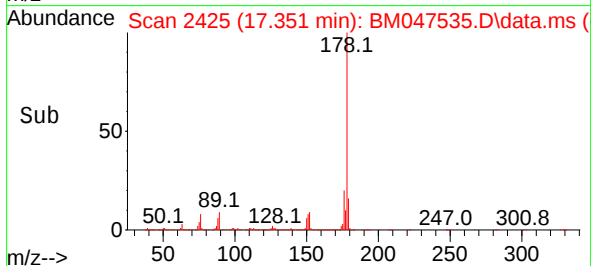
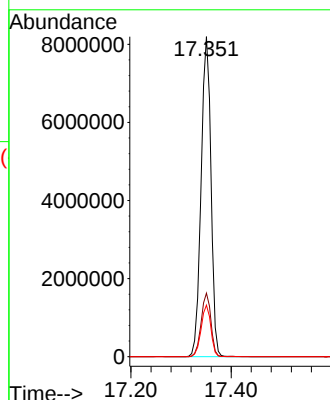
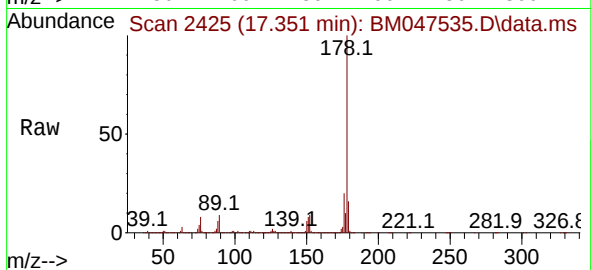
Tgt Ion:178 Resp:11153136

Ion Ratio Lower Upper

178 100

176 19.8 16.0 24.0

179 16.1 12.4 18.6



#72

Anthracene

Concen: 133.611 ng

RT: 17.351 min Scan# 2425

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

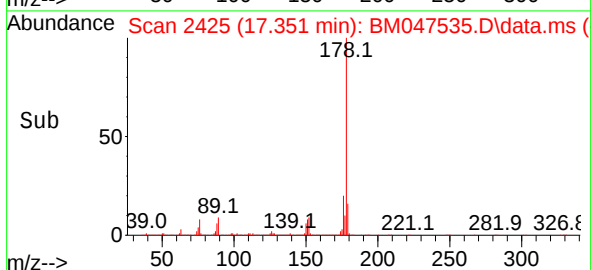
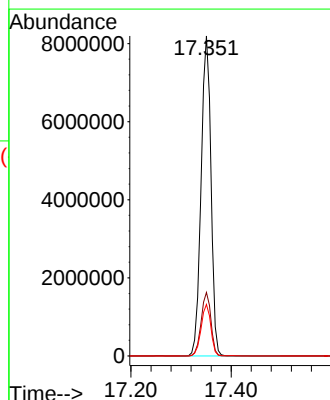
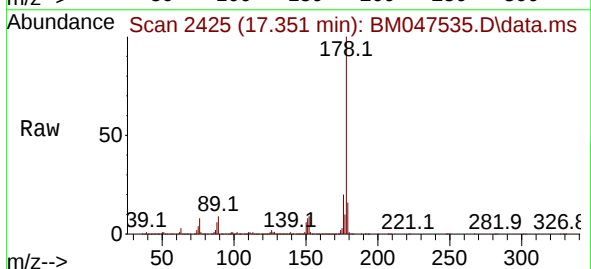
Tgt Ion:178 Resp:11153136

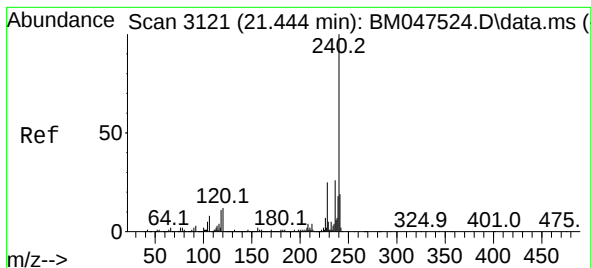
Ion Ratio Lower Upper

178 100

176 19.8 15.4 23.0

179 16.1 12.3 18.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.444 min Scan# 3121

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Instrument :

BNA_M

ClientSampleId :

PT-BN-WP

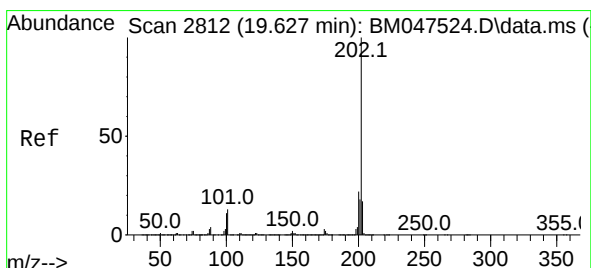
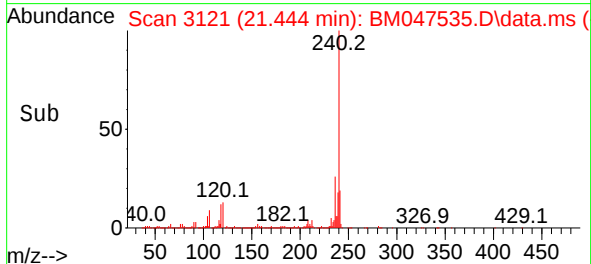
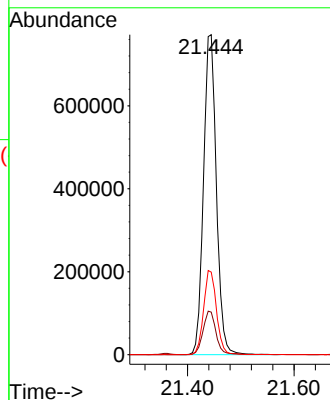
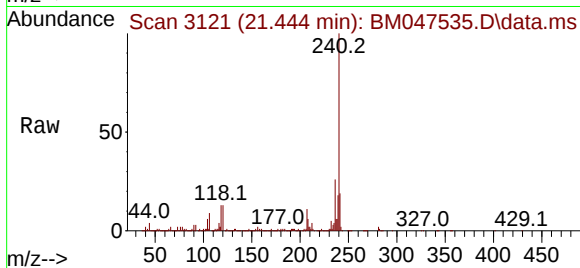
Tgt Ion:240 Resp: 1292096

Ion Ratio Lower Upper

240 100

120 13.3 9.6 14.4

236 25.8 20.9 31.3



#78

Pyrene

Concen: 31.454 ng

RT: 19.621 min Scan# 2811

Delta R.T. -0.006 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

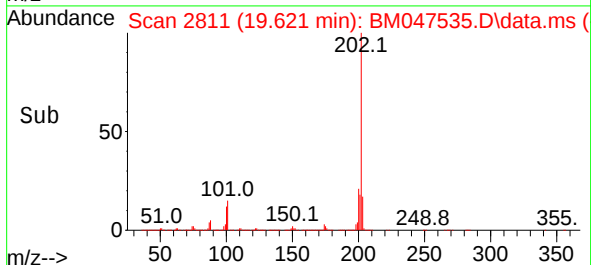
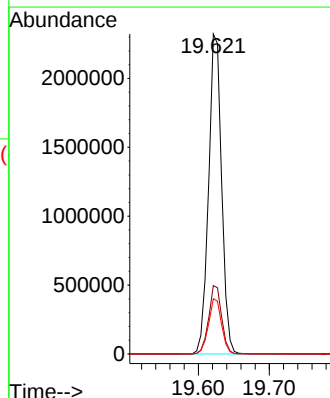
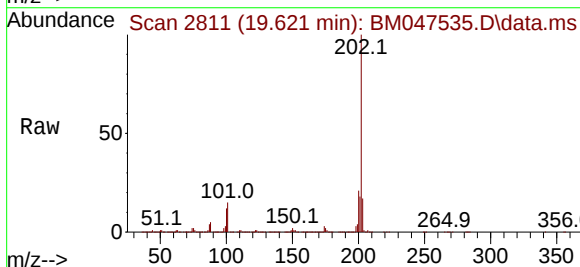
Tgt Ion:202 Resp: 2964541

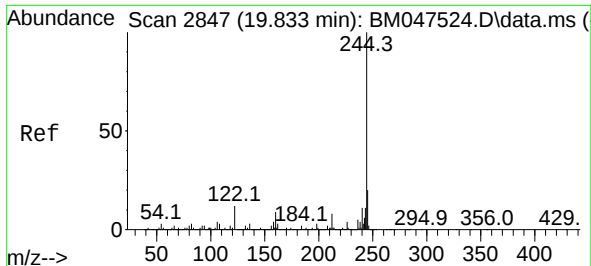
Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

203 17.3 14.0 21.0

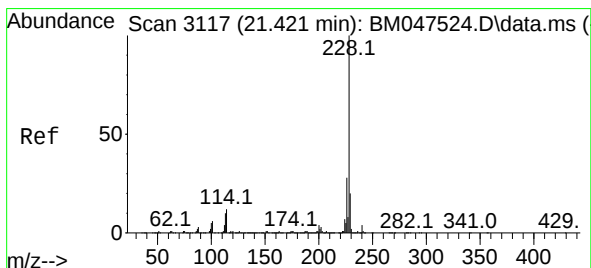
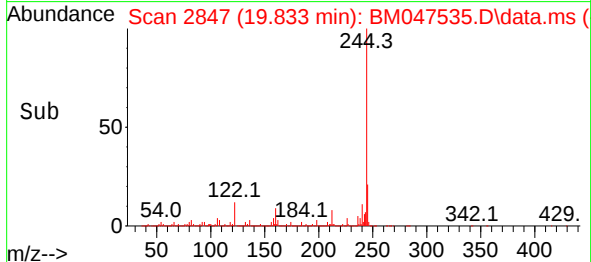
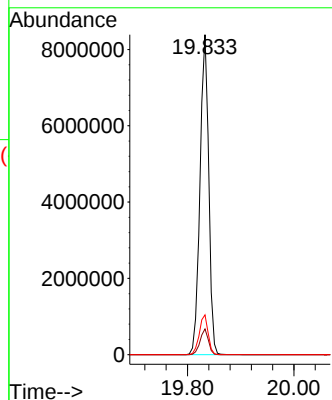
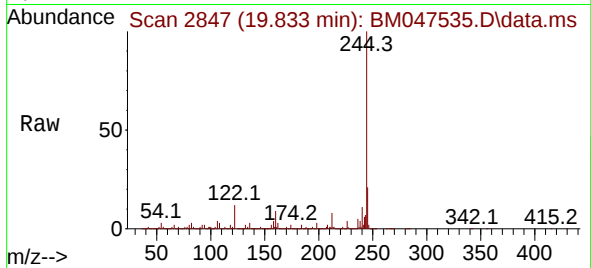




#79
 Terphenyl-d14
 Concen: 132.295 ng
 RT: 19.833 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM047535.D
 Acq: 16 Sep 2024 12:56

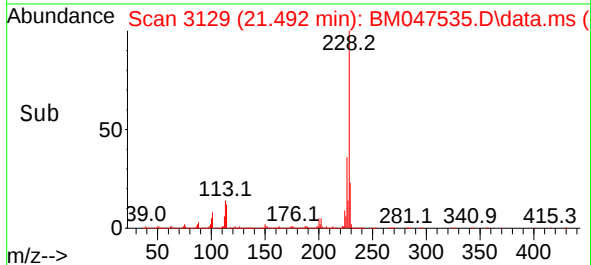
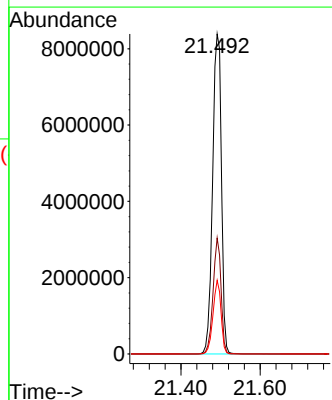
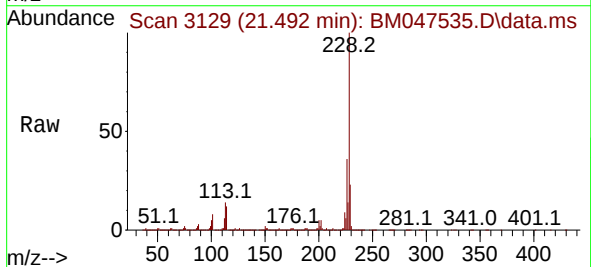
Instrument :
 BNA_M
 ClientSampleId :
 PT-BN-WP

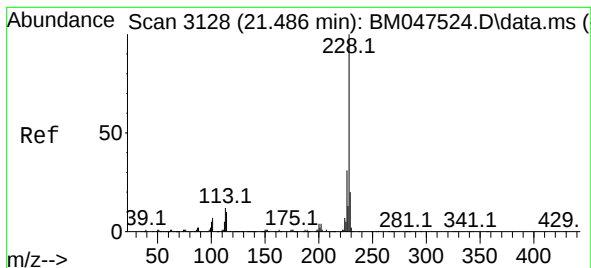
Tgt Ion:244 Resp: 9539238
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.2 9.2
 122 12.5 9.6 14.4



#81
 Benzo(a)anthracene
 Concen: 153.367 ng
 RT: 21.492 min Scan# 3129
 Delta R.T. 0.071 min
 Lab File: BM047535.D
 Acq: 16 Sep 2024 12:56

Tgt Ion:228 Resp:12916478
 Ion Ratio Lower Upper
 228 100
 226 36.3 22.4 33.6#
 229 23.0 16.0 24.0





#83

Chrysene

Concen: 162.145 ng

RT: 21.492 min Scan# 3128

Delta R.T. 0.006 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Instrument :

BNA_M

ClientSampleId :

PT-BN-WP

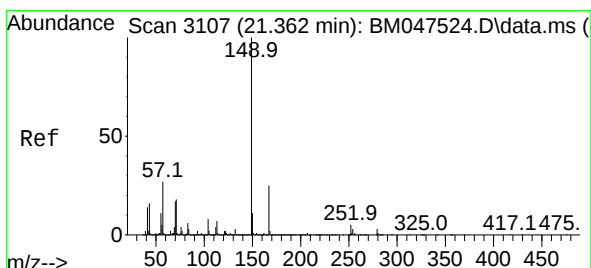
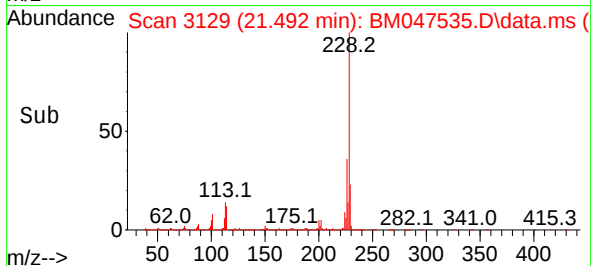
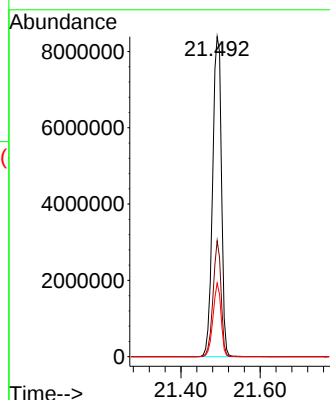
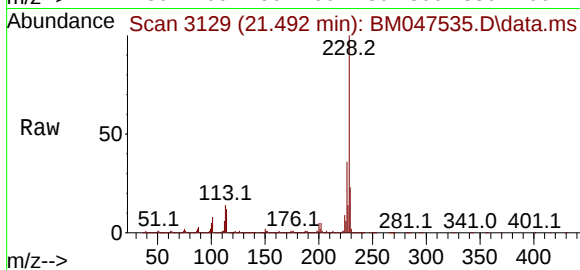
Tgt Ion:228 Resp:12916478

Ion Ratio Lower Upper

228 100

226 36.3 25.0 37.6

229 23.0 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 110.292 ng

RT: 21.362 min Scan# 3107

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

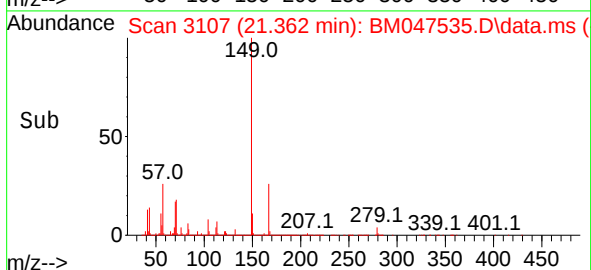
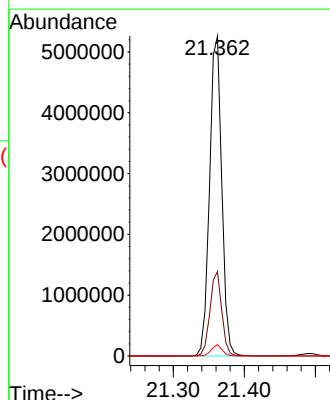
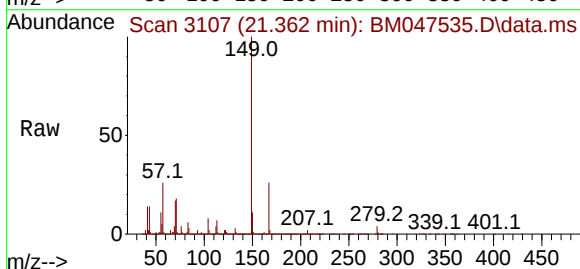
Tgt Ion:149 Resp: 6268556

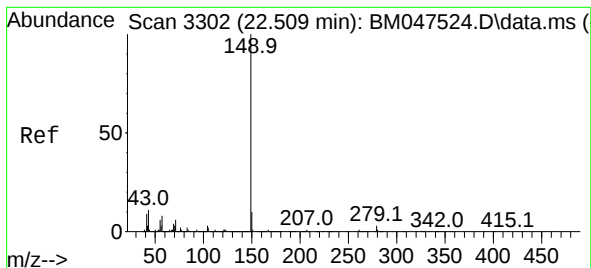
Ion Ratio Lower Upper

149 100

167 26.4 20.2 30.4

279 3.5 2.6 4.0





#85

Di-n-octyl phthalate

Concen: 174.678 ng

RT: 22.509 min Scan# 3302

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Instrument :

BNA_M

ClientSampleId :

PT-BN-WP

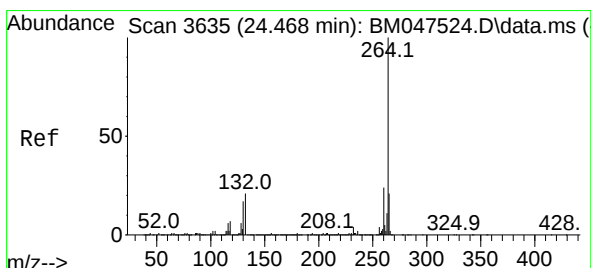
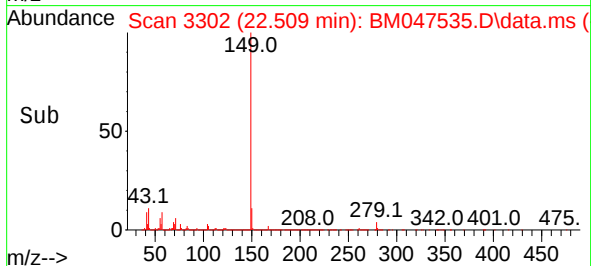
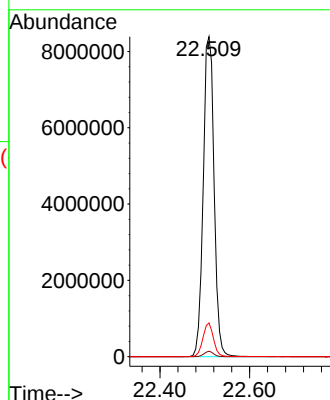
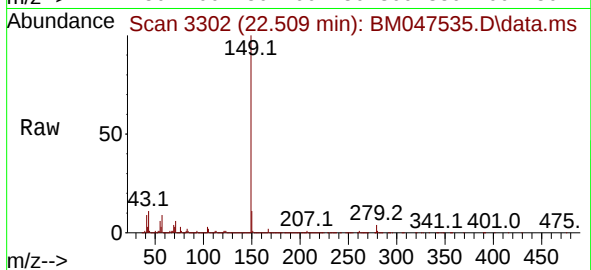
Tgt Ion:149 Resp:14043193

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

43 10.4 8.9 13.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.474 min Scan# 3636

Delta R.T. 0.006 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

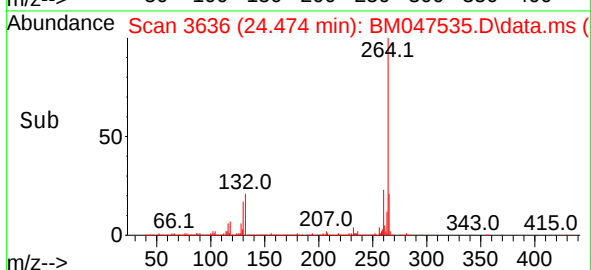
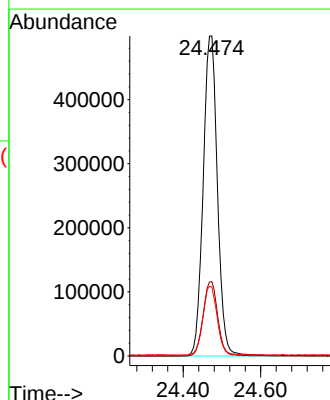
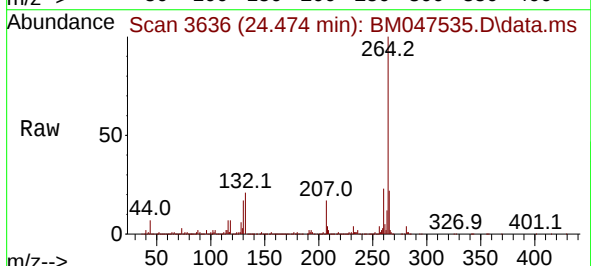
Tgt Ion:264 Resp: 1275489

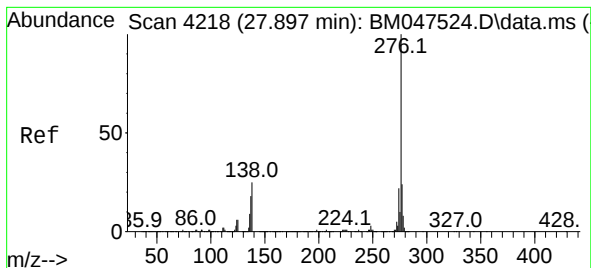
Ion Ratio Lower Upper

264 100

260 23.2 18.9 28.3

265 21.5 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 115.806 ng

RT: 27.921 min Scan# 4218

Delta R.T. 0.024 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Instrument :

BNA_M

ClientSampleId :

PT-BN-WP

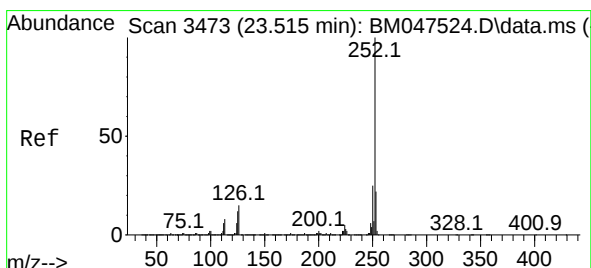
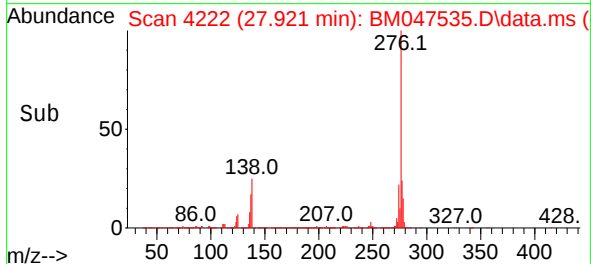
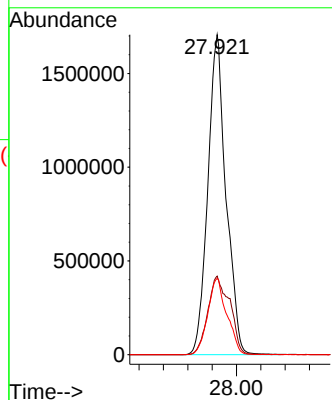
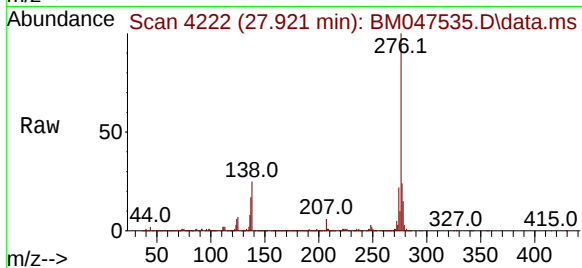
Tgt Ion:276 Resp: 8839664

Ion Ratio Lower Upper

276 100

138 29.8 25.0 37.6

277 25.1 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 47.812 ng

RT: 23.515 min Scan# 3473

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

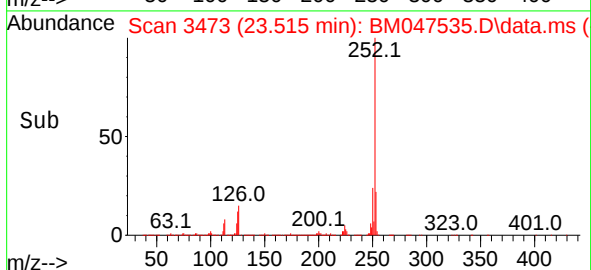
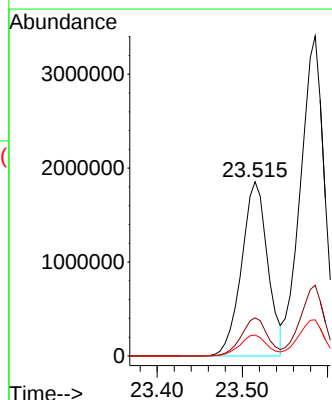
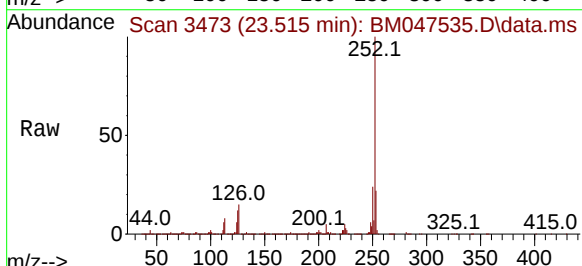
Tgt Ion:252 Resp: 3945768

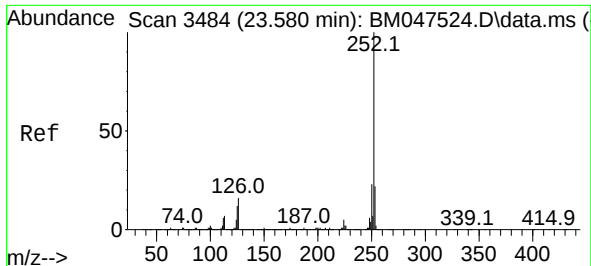
Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

125 12.1 9.5 14.3





#89

Benzo(k)fluoranthene

Concen: 81.362 ng

RT: 23.586 min Scan# 3484

Delta R.T. 0.006 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Instrument :

BNA_M

ClientSampleId :

PT-BN-WP

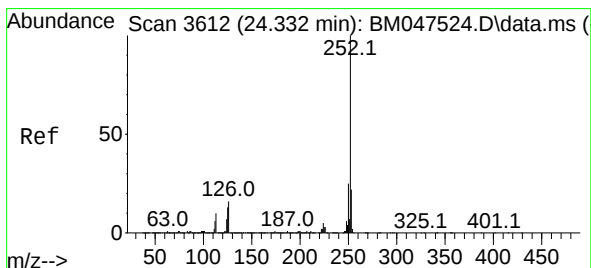
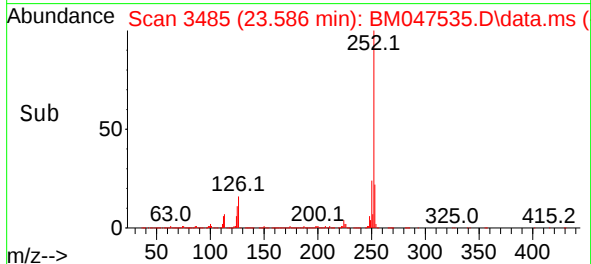
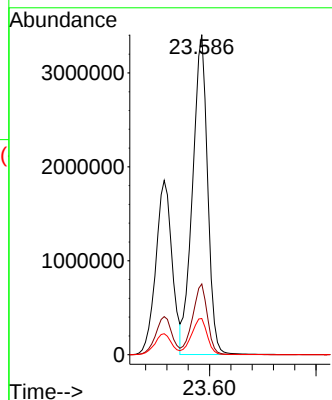
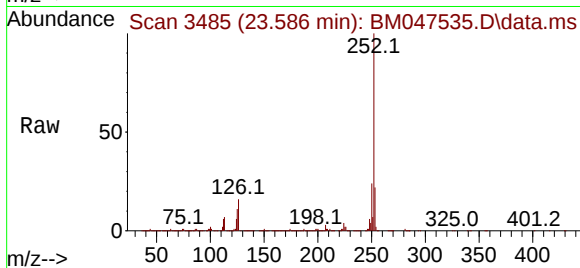
Tgt Ion:252 Resp: 6654574

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

125 11.3 9.5 14.3



#90

Benzo(a)pyrene

Concen: 83.692 ng

RT: 24.333 min Scan# 3612

Delta R.T. 0.000 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

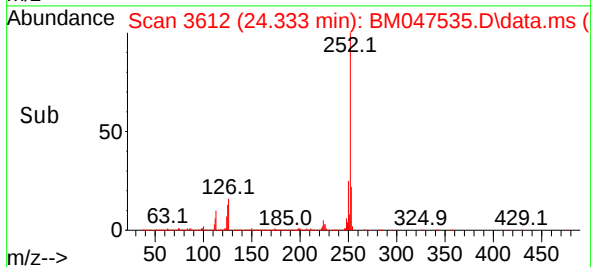
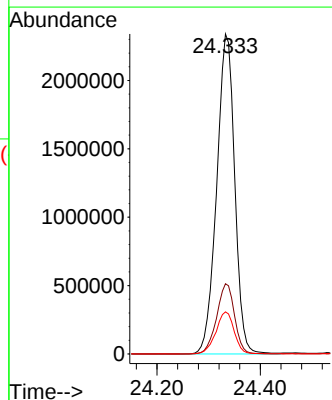
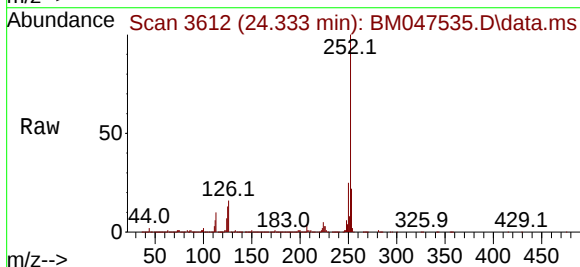
Tgt Ion:252 Resp: 5660846

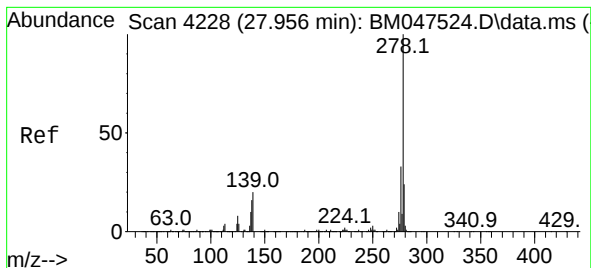
Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

125 13.2 10.2 15.4





#91

Dibenzo(a,h)anthracene

Concen: 105.477 ng

RT: 27.973 min Scan# 41

Delta R.T. 0.018 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Instrument :

BNA_M

ClientSampleId :

PT-BN-WP

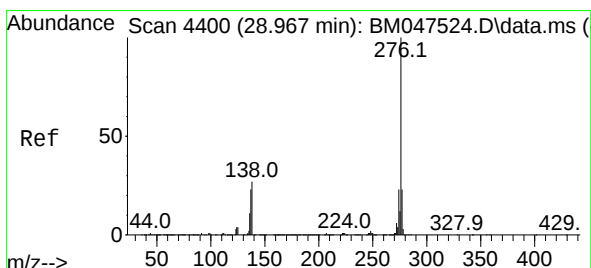
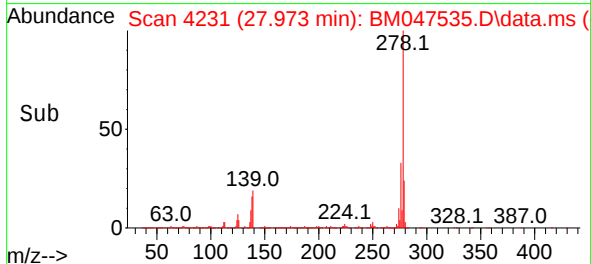
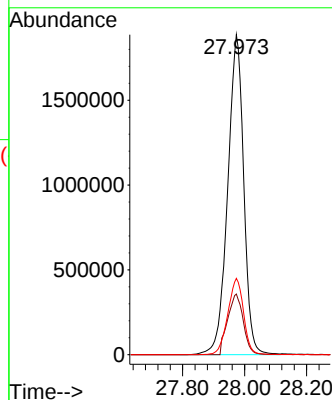
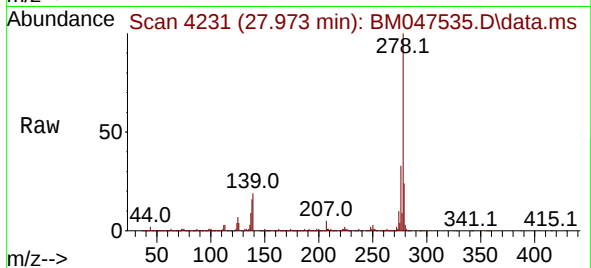
Tgt Ion:278 Resp: 6773810

Ion Ratio Lower Upper

278 100

139 18.9 15.9 23.9

279 23.9 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 77.773 ng

RT: 28.973 min Scan# 4401

Delta R.T. 0.006 min

Lab File: BM047535.D

Acq: 16 Sep 2024 12:56

Tgt Ion:276 Resp: 4878960

Ion Ratio Lower Upper

276 100

277 23.8 18.6 28.0

138 25.9 21.5 32.3

