

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012825\
 Data File : BM049504.D
 Acq On : 29 Jan 2025 14:59
 Operator : RC/JU
 Sample : Q1184-15
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2966

Quant Time: Jan 30 07:32:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM012825.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 28 14:45:18 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.510	152	205258	20.000	ng/ul	0.00
20) Naphthalene-d8	10.269	136	3752360	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.192	164	660048	20.000	ng/ul	0.04
64) Phenanthrene-d10	16.916	188	1257392	20.000	ng/ul	0.01
79) Chrysene-d12	21.139	240	1229175	20.000	ng/ul	0.00
88) Perylene-d12	23.921	264	1321620	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	22680	4.094	ng/uL	0.00
4) Pyridine-d5	3.528	84	143485	8.815	ng/ul	0.02
7) Phenol-d5	6.763	99	19274	1.157	ng/ul	0.05
9) Bis-(2-Chloroethyl)eth...	6.863	67	770606	67.659	ng/ul	0.00
11) 2-Chlorophenol-d4	7.063	132	484552	37.594	ng/ul	0.01
15) 4-Methylphenol-d8	8.204	113	235	0.019	ng/ul	-0.02
21) Nitrobenzene-d5	8.693	128	256580	8.938	ng/ul	0.04
24) 2-Nitrophenol-d4	9.387	143	309304	9.878	ng/ul	0.02
28) 2,4-Dichlorophenol-d3	9.975	165	556780	8.714	ng/ul	0.07
31) 4-Chloroaniline-d4	10.463	131	41502	0.506	ng/ul	0.04
46) Dimethylphthalate-d6	13.651	166	1549213	32.011	ng/ul	0.08
49) Acenaphthylene-d8	13.892	160	2168095	38.129	ng/ul	0.05
54) 4-Nitrophenol-d4	14.422	143	107763	13.574	ng/ul	0.04
60) Fluorene-d10	15.174	176	1674775	39.352	ng/ul	0.02
65) 4,6-Dinitro-2-methylph...	15.304	200	320406	40.437	ng/ul	0.02
73) Anthracene-d10	17.010	188	2625087	41.807	ng/ul	0.00
81) Pyrene-d10	19.315	212	3032814	42.207	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.733	264	3008215	42.676	ng/ul	0.00
Target Compounds						
					Qvalue	
8) Phenol	6.781	94	1469382	84.047	ng/ul	99
10) Bis(2-Chloroethyl)ether	6.857	93	216838	15.210	ng/ul#	1
13) 2-Methylphenol	7.975	108	41544	3.391	ng/ul	88
18) 4-Methylphenol	8.398	108	5182067	391.901	ng/ul	94
26) 2,4-Dimethylphenol	9.563	107	7332198	114.600	ng/ul	93
27) Bis(2-Chloroethoxy)met...	9.581	93	321066	3.739	ng/ul#	1
30) Naphthalene	10.339	128	1681588	8.417	ng/ul	100
35) 4-Chloro-3-methylphenol	11.739	107	11548348	208.090	ng/ul#	17
36) 2-Methylnaphthalene	11.986	142	209615	1.538	ng/ul	99
42) 2,4,5-Trichlorophenol	12.704	196	99650	6.608	ng/ul	97
43) 1,1'-Biphenyl	13.004	154	79988	1.597	ng/ul#	91
44) 2-Chloronaphthalene	13.051	162	148315	3.653	ng/ul#	1
45) 2-Nitroaniline	13.280	65	31925	3.130	ng/ul#	35
48) 2,6-Dinitrotoluene	13.757	165	12794	1.480	ng/ul#	1
52) Acenaphthene	14.257	153	161917	3.882	ng/ul#	78
55) 4-Nitrophenol	14.445	109	6981	1.202	ng/ul#	51
56) Dibenzofuran	14.580	168	110818	1.863	ng/ul#	79
59) Diethylphthalate	15.027	149	239174	5.241	ng/ul#	72
62) 4-Chlorophenyl-phenyle...	15.263	204	56111	2.153	ng/ul	93
63) 4-Nitroaniline	15.192	138	35847	4.520	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.327	198	60318	6.945	ng/ul#	1
72) Phenanthrene	16.957	178	129611	1.831	ng/ul#	84
77) Carbazole	17.321	167	684705	10.746	ng/ul#	82

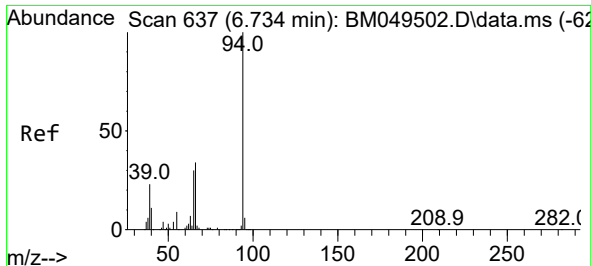
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012825\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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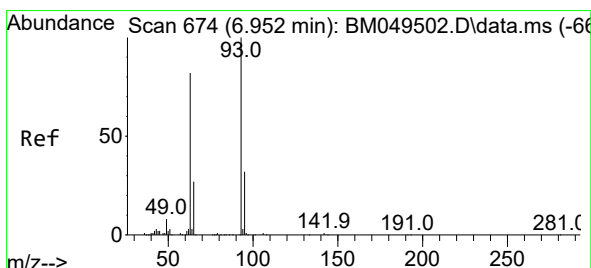
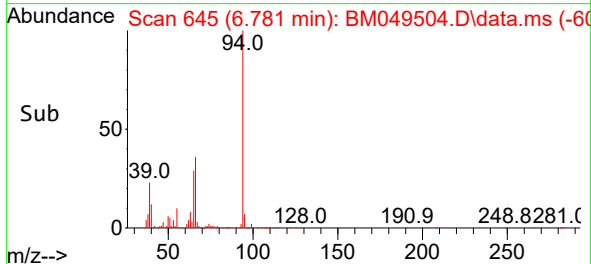
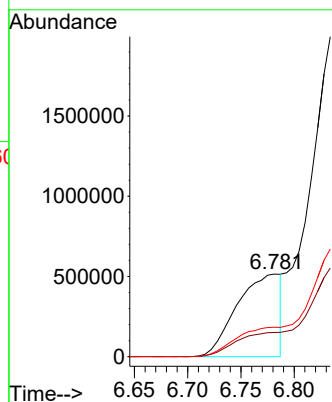
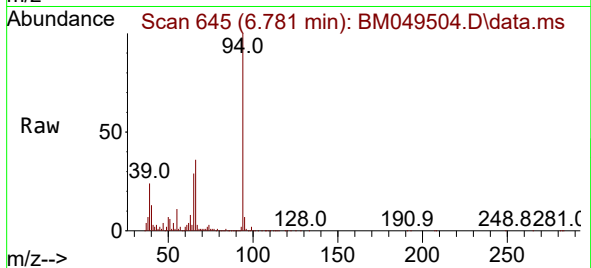
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#8
Phenol
Concen: 84.047 ng/ul
RT: 6.781 min Scan# 645
Delta R.T. 0.047 min
Lab File: BM049504.D
Acq: 29 Jan 2025 14:59

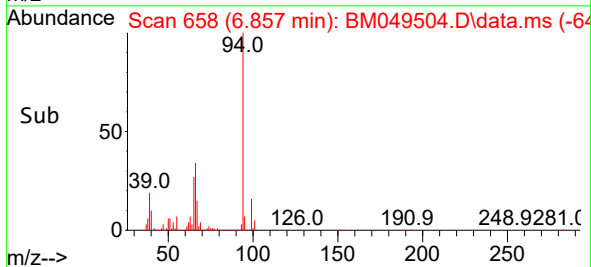
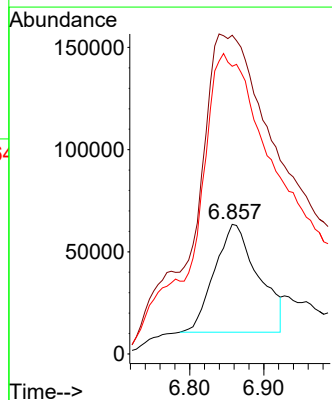
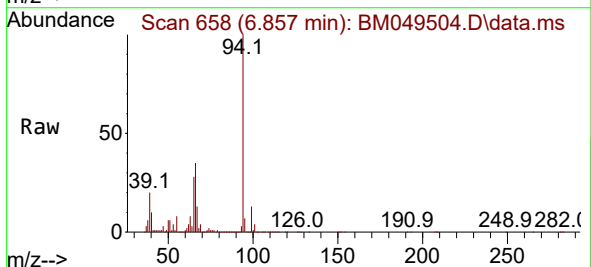
Instrument :
BNA_M
ClientSampleId :
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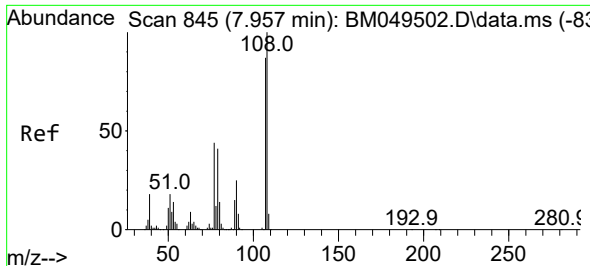
Tgt Ion: 94 Resp: 1469382
Ion Ratio Lower Upper
94 100
65 29.3 23.4 35.0
66 35.7 27.8 41.8



#10
Bis(2-Chloroethyl)ether
Concen: 15.210 ng/ul
RT: 6.857 min Scan# 658
Delta R.T. -0.094 min
Lab File: BM049504.D
Acq: 29 Jan 2025 14:59

Tgt Ion: 93 Resp: 216838
Ion Ratio Lower Upper
93 100
63 245.9 66.3 99.5#
95 222.0 25.0 37.6#

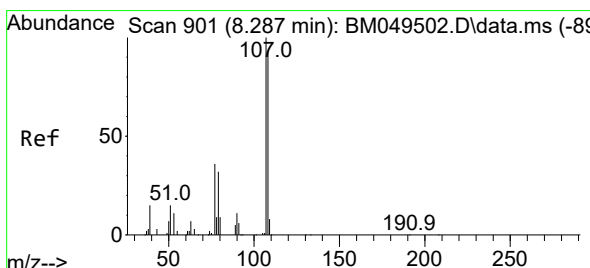
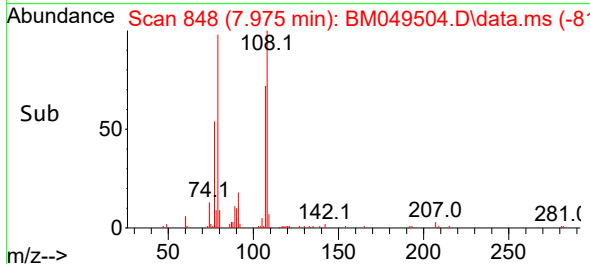
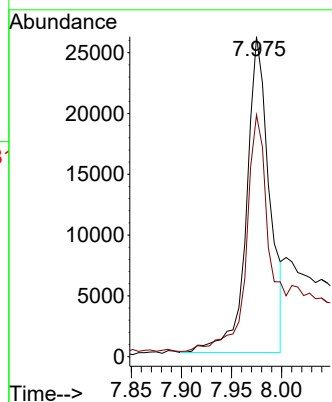
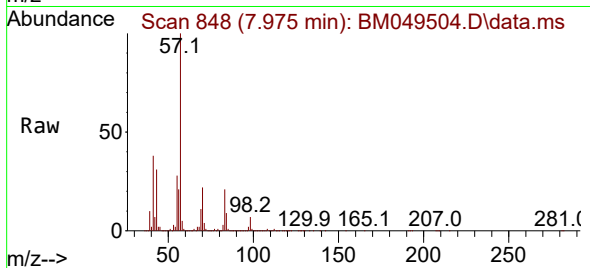




#13
2-Methylphenol
Concen: 3.391 ng/ul
RT: 7.975 min Scan# 845
Delta R.T. 0.012 min
Lab File: BM049504.D
Acq: 29 Jan 2025 14:59

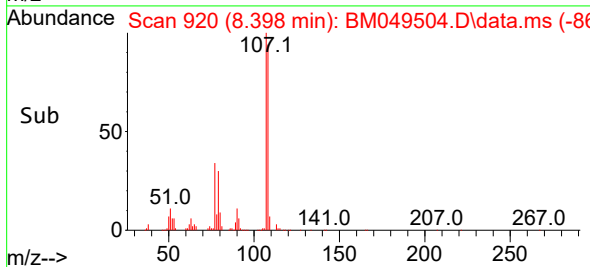
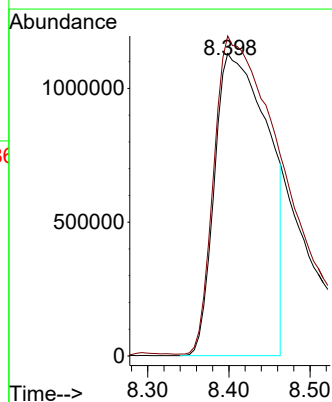
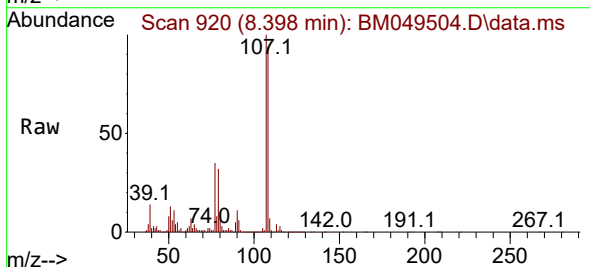
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ClientSampleId :
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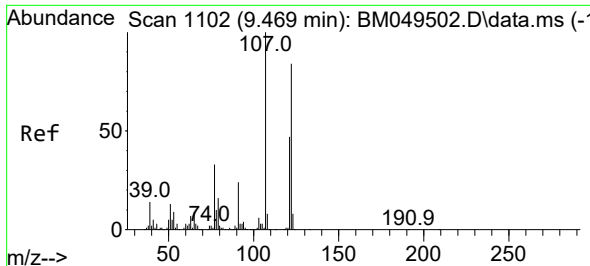
Tgt Ion:108 Resp: 41544
Ion Ratio Lower Upper
108 100
107 75.6 69.7 104.5



#18
4-Methylphenol
Concen: 391.901 ng/ul
RT: 8.398 min Scan# 920
Delta R.T. 0.112 min
Lab File: BM049504.D
Acq: 29 Jan 2025 14:59

Tgt Ion:108 Resp: 5182067
Ion Ratio Lower Upper
108 100
107 105.8 90.0 135.0

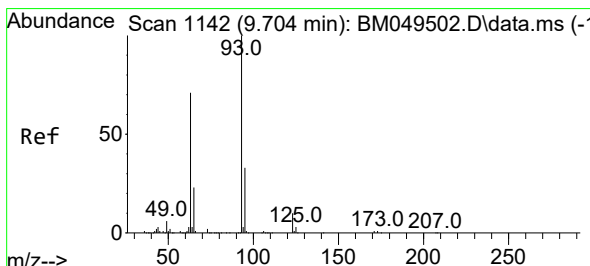
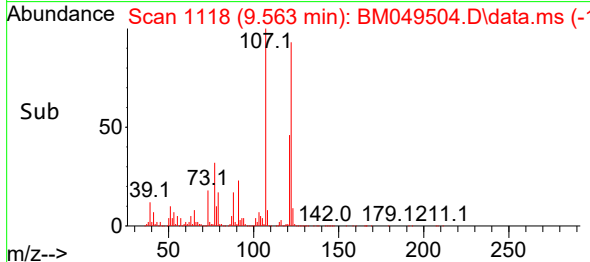
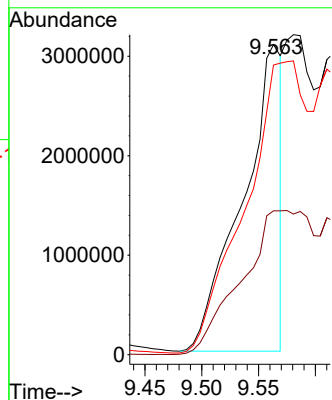
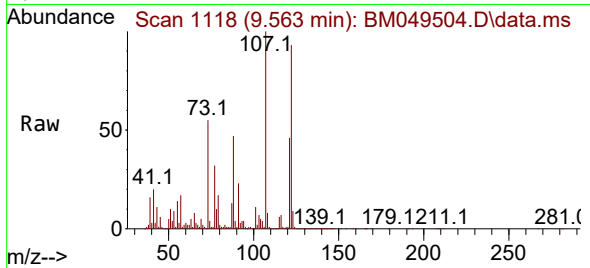




#26
2,4-Dimethylphenol
Concen: 114.600 ng/ul
RT: 9.563 min Scan# 1118
Delta R.T. 0.088 min
Lab File: BM049504.D
Acq: 29 Jan 2025 14:59

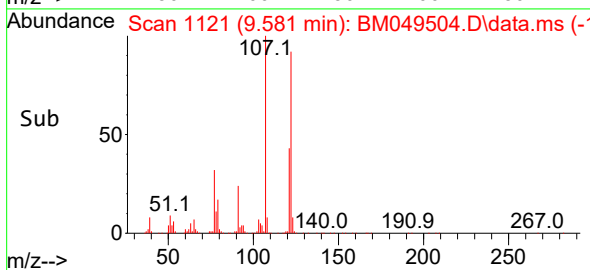
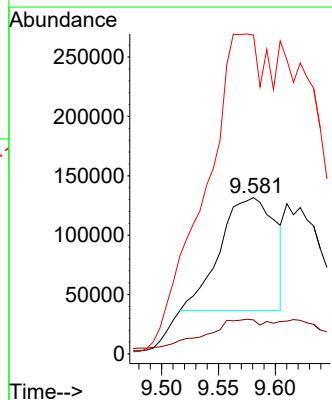
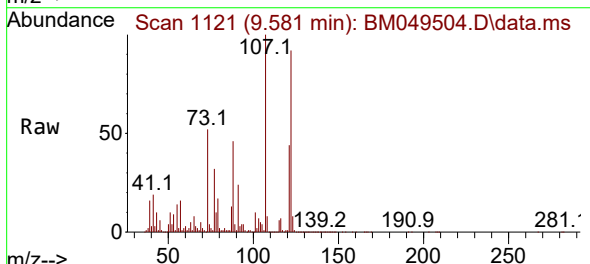
Instrument :
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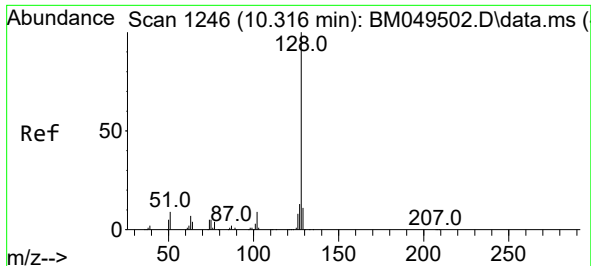
Tgt Ion:107 Resp: 7332198
Ion Ratio Lower Upper
107 100
121 46.4 39.6 59.4
122 93.4 68.7 103.1



#27
Bis(2-Chloroethoxy)methane
Concen: 3.739 ng/ul
RT: 9.581 min Scan# 1121
Delta R.T. -0.124 min
Lab File: BM049504.D
Acq: 29 Jan 2025 14:59

Tgt Ion: 93 Resp: 321066
Ion Ratio Lower Upper
93 100
95 21.8 25.0 37.6#
123 204.1 8.6 13.0#

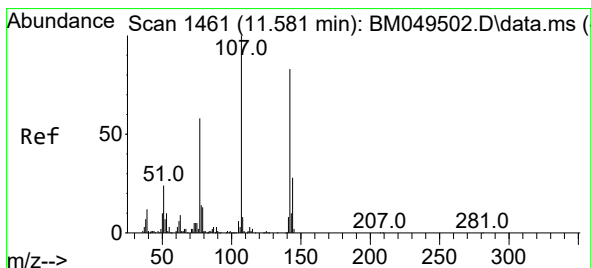
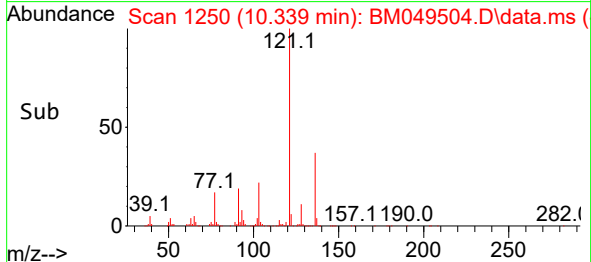
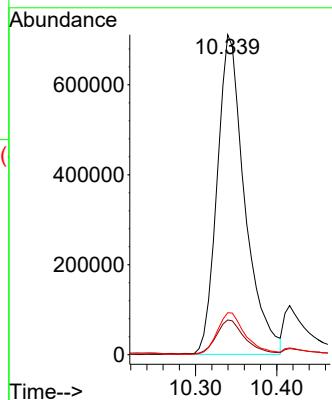
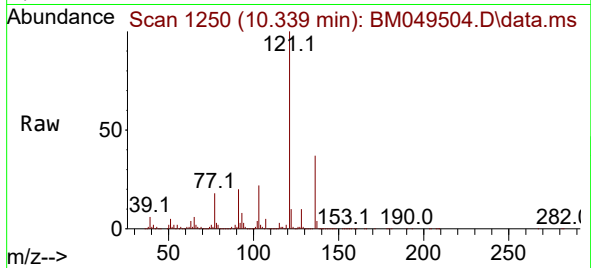




#30
Naphthalene
Concen: 8.417 ng/ul
RT: 10.339 min Scan# 11
Delta R.T. 0.018 min
Lab File: BM049504.D
Acq: 29 Jan 2025 14:59

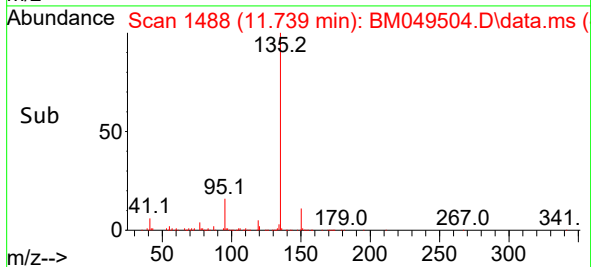
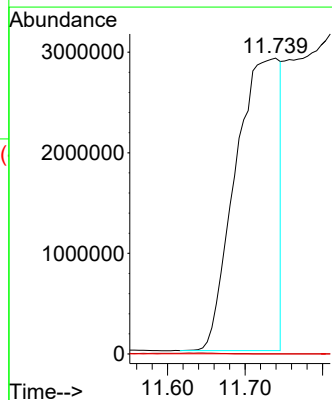
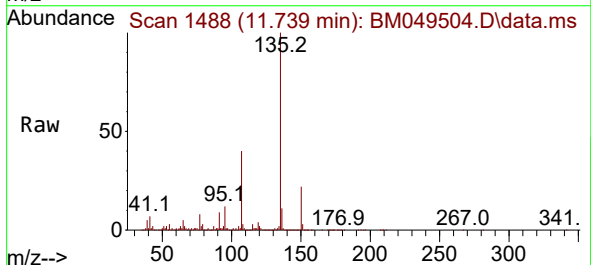
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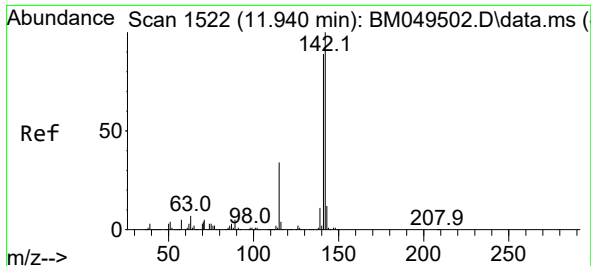
Tgt Ion:128 Resp: 1681588
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.1 10.6 15.8



#35
4-Chloro-3-methylphenol
Concen: 208.090 ng/ul
RT: 11.739 min Scan# 1488
Delta R.T. 0.159 min
Lab File: BM049504.D
Acq: 29 Jan 2025 14:59

Tgt Ion:107 Resp:11548348
Ion Ratio Lower Upper
107 100
144 0.0 22.6 34.0#
142 0.0 67.5 101.3#

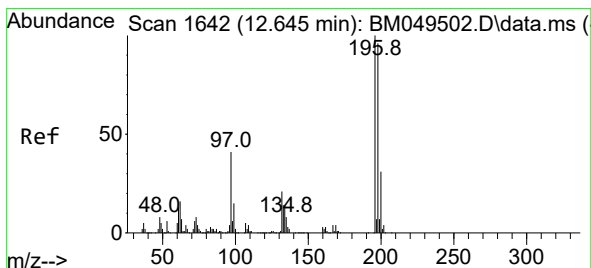
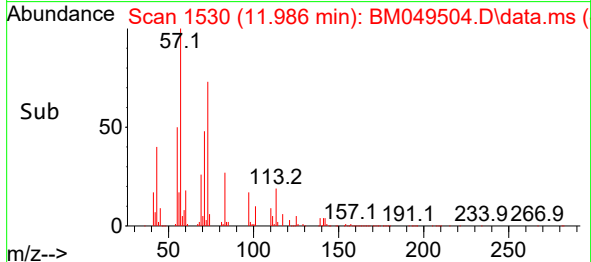
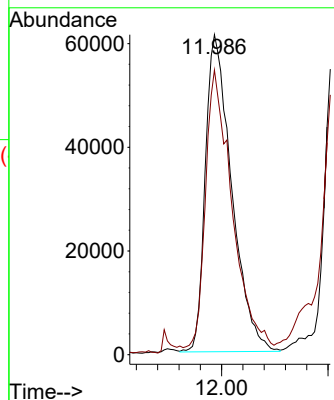
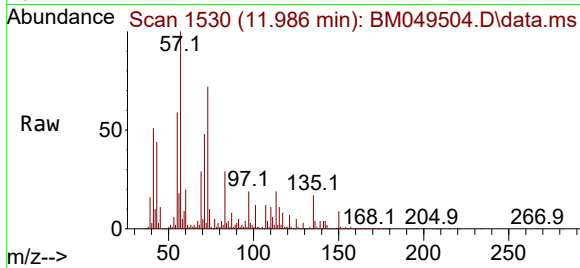




#36
2-Methylnaphthalene
Concen: 1.538 ng/ul
RT: 11.986 min Scan# 11
Delta R.T. 0.041 min
Lab File: BM049504.D
Acq: 29 Jan 2025 14:59

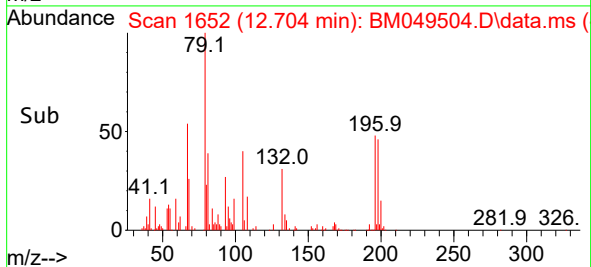
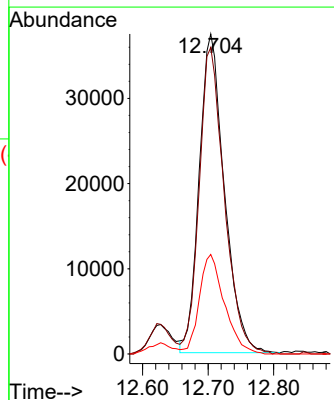
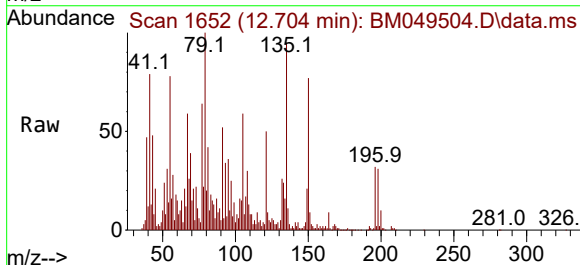
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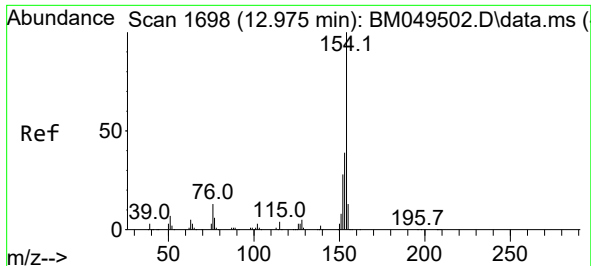
Tgt Ion:142 Resp: 209615
Ion Ratio Lower Upper
142 100
141 89.0 70.4 105.6



#42
2,4,5-Trichlorophenol
Concen: 6.608 ng/ul
RT: 12.704 min Scan# 1652
Delta R.T. 0.059 min
Lab File: BM049504.D
Acq: 29 Jan 2025 14:59

Tgt Ion:196 Resp: 99650
Ion Ratio Lower Upper
196 100
198 95.8 79.4 119.0
200 31.1 25.1 37.7

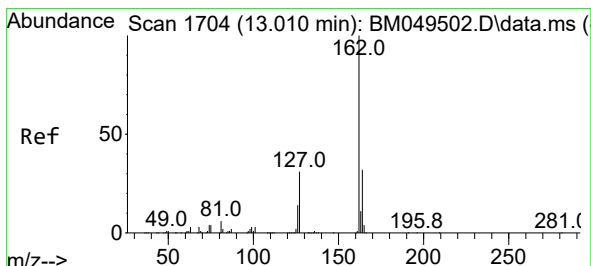
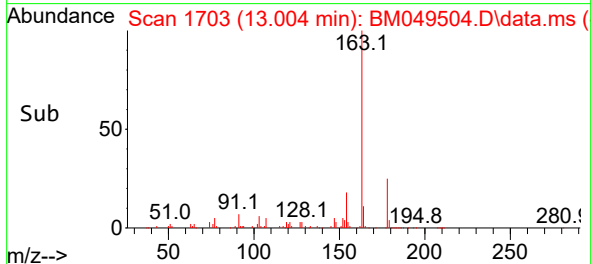
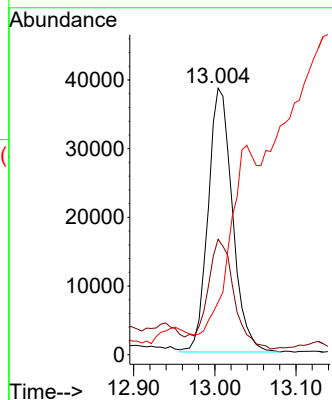
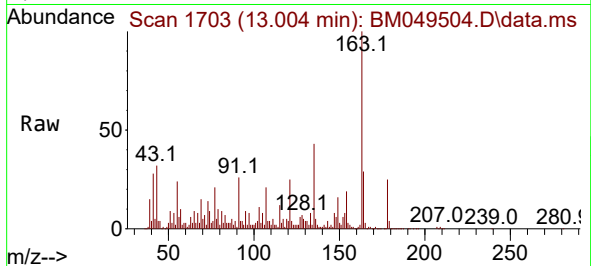




#43
1,1'-Biphenyl
Concen: 1.597 ng/ul
RT: 13.004 min Scan# 1710
Delta R.T. 0.024 min
Lab File: BM049504.D
Acq: 29 Jan 2025 14:59

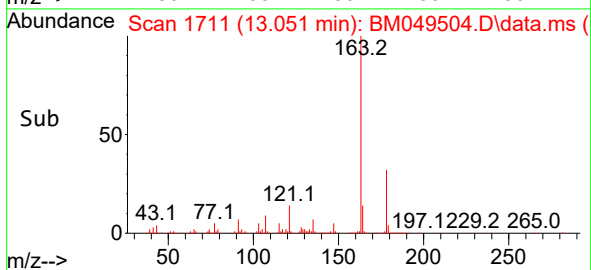
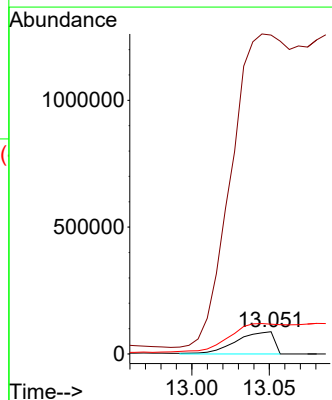
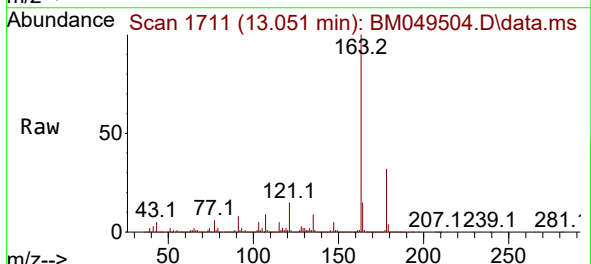
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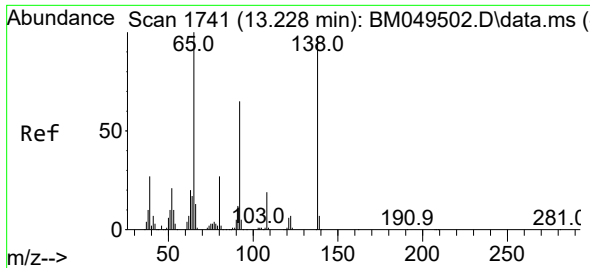
Tgt Ion:154 Resp: 79988
Ion Ratio Lower Upper
154 100
153 43.3 31.7 47.5
76 19.7 9.8 14.8#



#44
2-Chloronaphthalene
Concen: 3.653 ng/ul
RT: 13.051 min Scan# 1711
Delta R.T. 0.035 min
Lab File: BM049504.D
Acq: 29 Jan 2025 14:59

Tgt Ion:162 Resp: 148315
Ion Ratio Lower Upper
162 100
164 1433.1 26.5 39.7#
127 133.9 26.8 40.2#

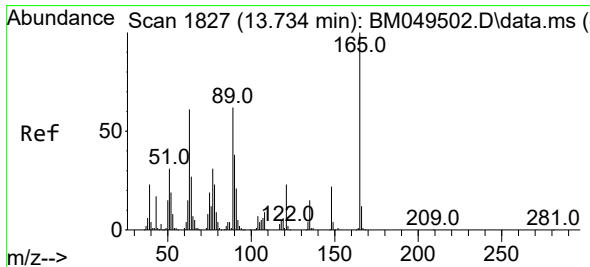
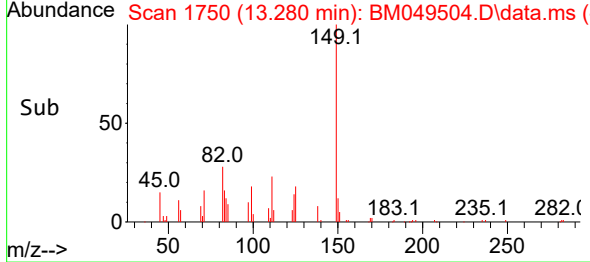
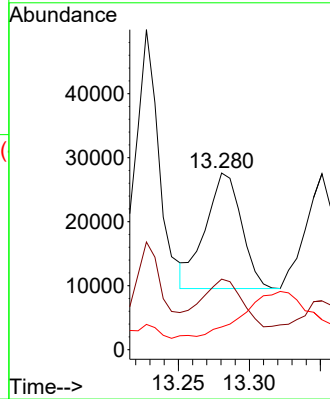
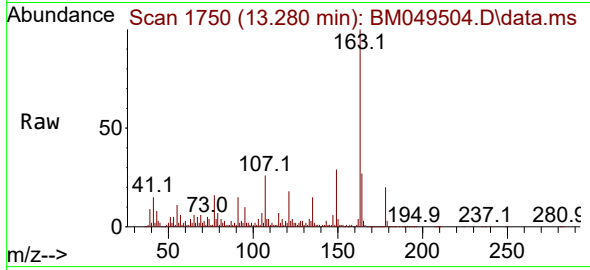




#45
2-Nitroaniline
Concen: 3.130 ng/ul
RT: 13.280 min Scan# 1750
Delta R.T. 0.047 min
Lab File: BM049504.D
Acq: 29 Jan 2025 14:59

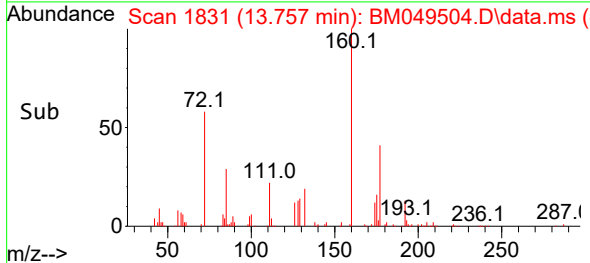
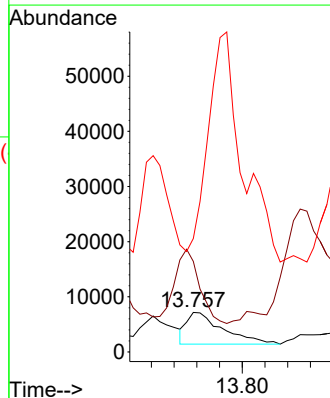
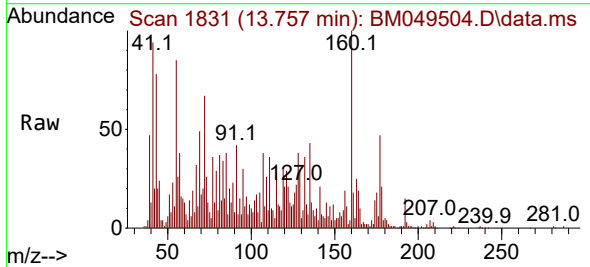
Instrument :
BNA_M
ClientSampleId :
E2966

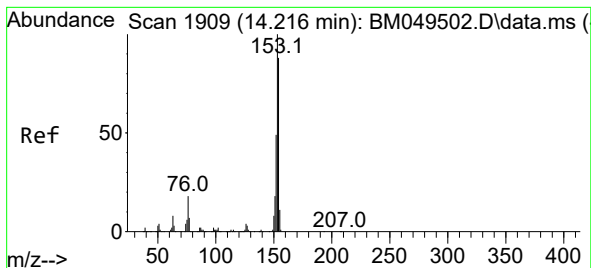
Tgt Ion: 65 Resp: 31925
Ion Ratio Lower Upper
65 100
92 40.0 52.6 79.0#
138 12.9 79.6 119.4#



#48
2,6-Dinitrotoluene
Concen: 1.480 ng/ul
RT: 13.757 min Scan# 1831
Delta R.T. 0.018 min
Lab File: BM049504.D
Acq: 29 Jan 2025 14:59

Tgt Ion:165 Resp: 12794
Ion Ratio Lower Upper
165 100
89 229.0 44.5 66.7#
121 286.5 16.3 24.5#





#52

Acenaphthene

Concen: 3.882 ng/ul

RT: 14.257 min Scan# 1916

Delta R.T. 0.041 min

Lab File: BM049504.D

Acq: 29 Jan 2025 14:59

Instrument :

BNA_M

ClientSampleId :

E2966

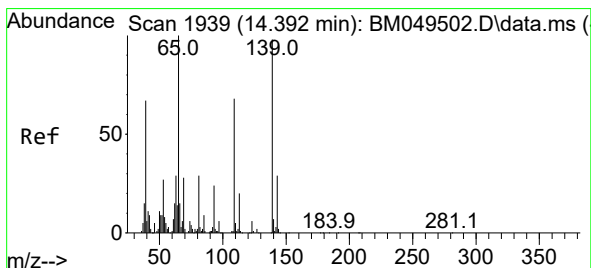
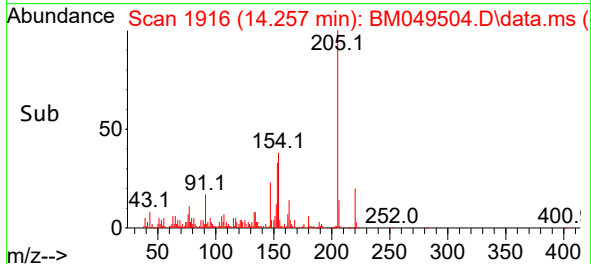
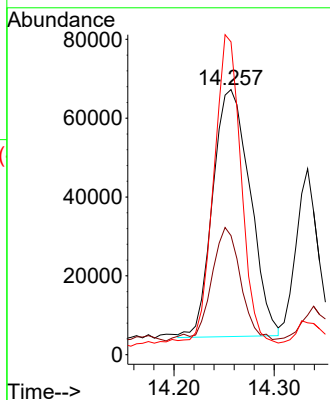
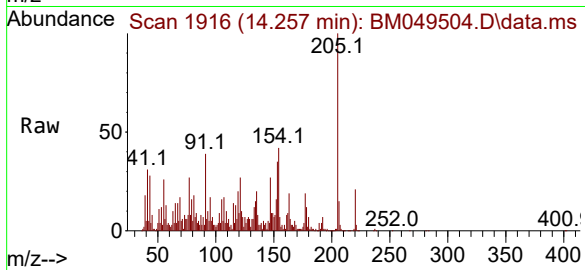
Tgt Ion:153 Resp: 161917

Ion Ratio Lower Upper

153 100

152 44.9 39.0 58.4

154 118.0 71.5 107.3#



#55

4-Nitrophenol

Concen: 1.202 ng/ul

RT: 14.445 min Scan# 1948

Delta R.T. 0.053 min

Lab File: BM049504.D

Acq: 29 Jan 2025 14:59

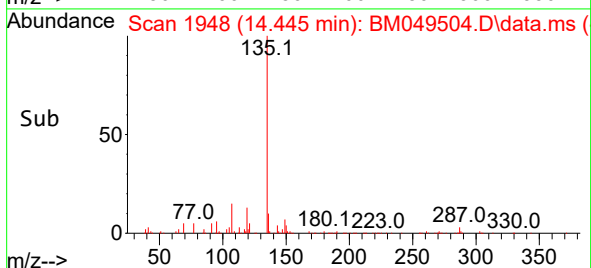
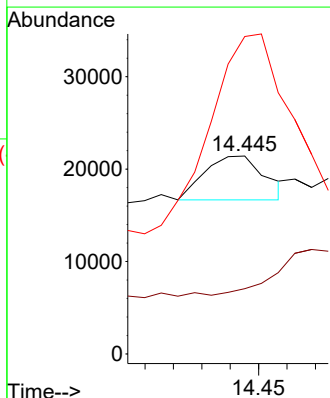
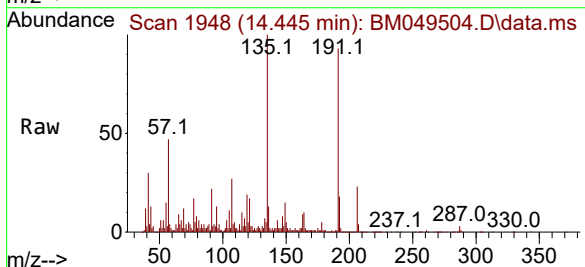
Tgt Ion:109 Resp: 6981

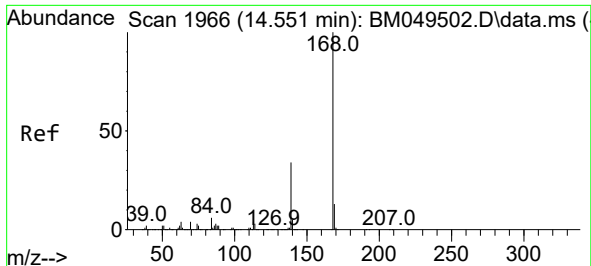
Ion Ratio Lower Upper

109 100

139 32.9 115.4 173.2#

65 160.3 118.6 178.0

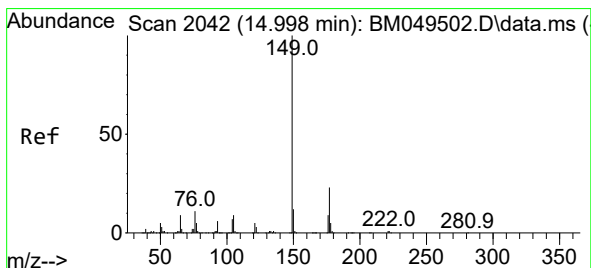
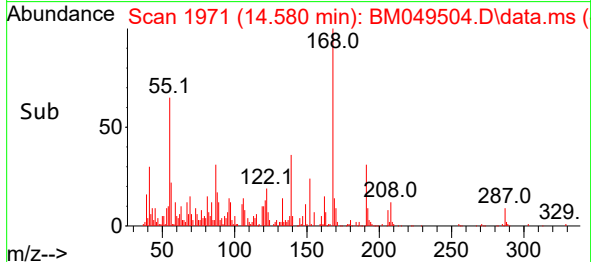
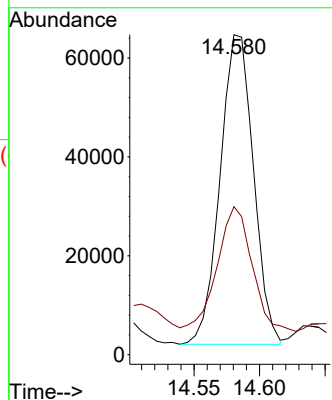
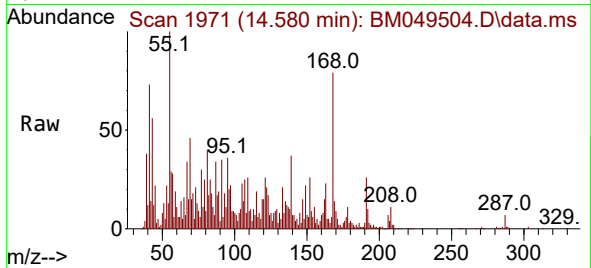




#56
Dibenzofuran
Concen: 1.863 ng/ul
RT: 14.580 min Scan# 1966
Delta R.T. 0.024 min
Lab File: BM049504.D
Acq: 29 Jan 2025 14:59

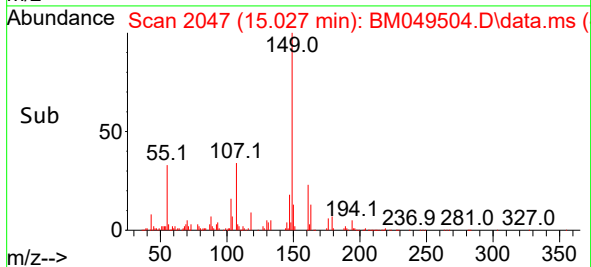
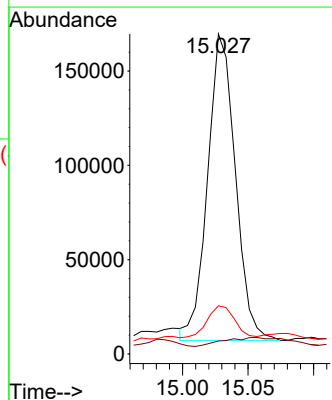
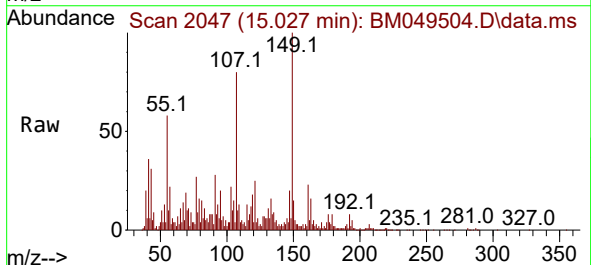
Instrument :
BNA_M
ClientSampleId :
E2966

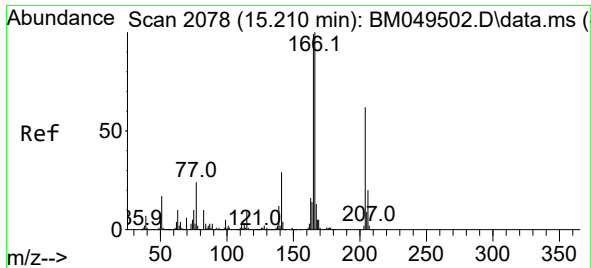
Tgt Ion:168 Resp: 110818
Ion Ratio Lower Upper
168 100
139 46.3 27.4 41.0#



#59
Diethylphthalate
Concen: 5.241 ng/ul
RT: 15.027 min Scan# 2047
Delta R.T. 0.029 min
Lab File: BM049504.D
Acq: 29 Jan 2025 14:59

Tgt Ion:149 Resp: 239174
Ion Ratio Lower Upper
149 100
177 4.0 18.3 27.5#
150 15.1 9.9 14.9#

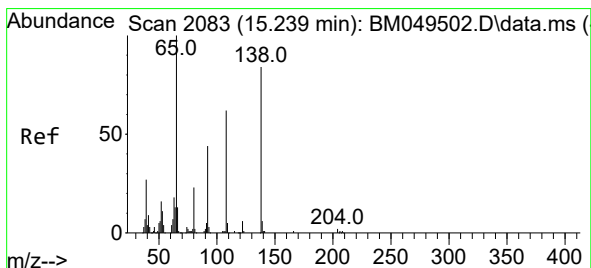
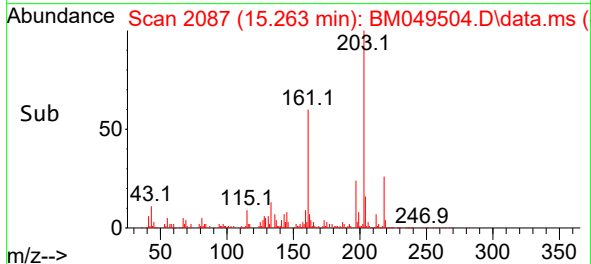
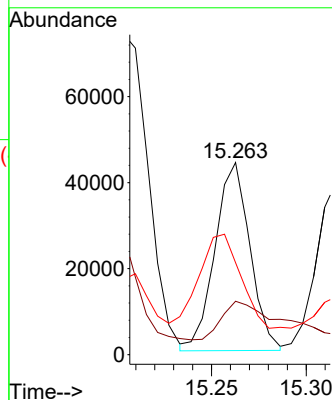
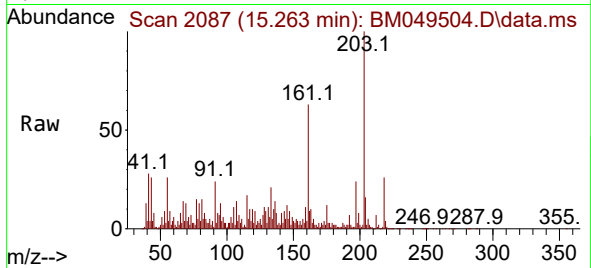




#62
 4-Chlorophenyl-phenylether
 Concen: 2.153 ng/ul
 RT: 15.263 min Scan# 2078
 Delta R.T. 0.053 min
 Lab File: BM049504.D
 Acq: 29 Jan 2025 14:59

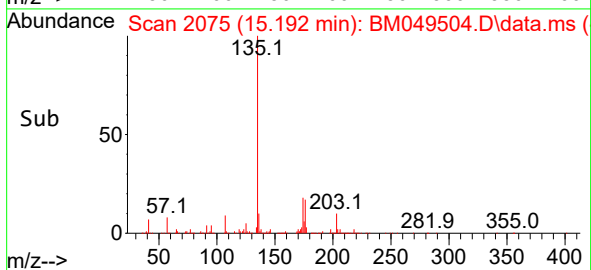
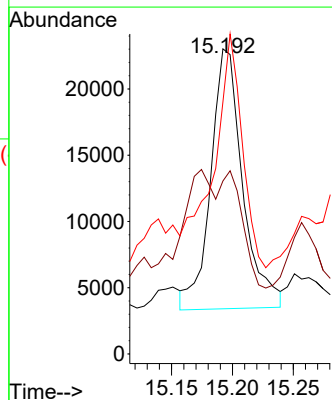
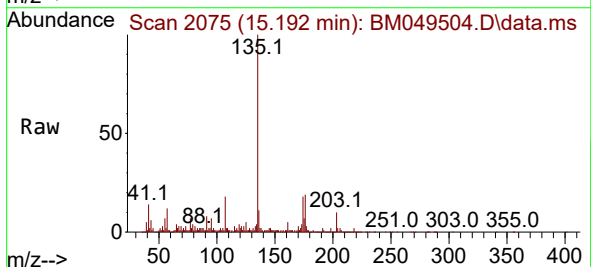
Instrument :
 BNA_M
 ClientSampleId :
 E2966

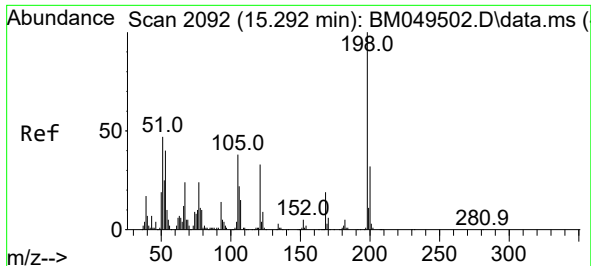
Tgt Ion:204 Resp: 56111
 Ion Ratio Lower Upper
 204 100
 206 27.8 27.0 40.6
 141 47.9 41.2 61.8



#63
 4-Nitroaniline
 Concen: 4.520 ng/ul
 RT: 15.192 min Scan# 2075
 Delta R.T. -0.047 min
 Lab File: BM049504.D
 Acq: 29 Jan 2025 14:59

Tgt Ion:138 Resp: 35847
 Ion Ratio Lower Upper
 138 100
 92 56.7 42.7 64.1
 108 82.6 63.9 95.9

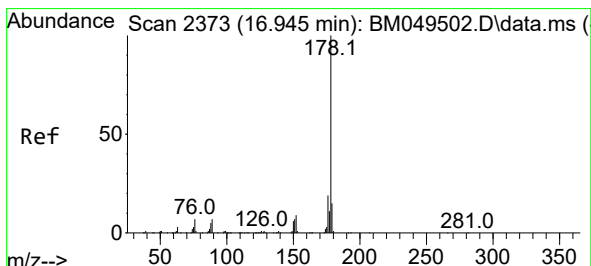
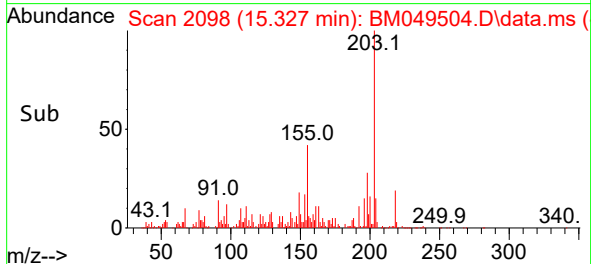
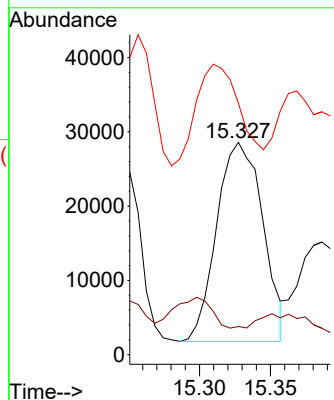
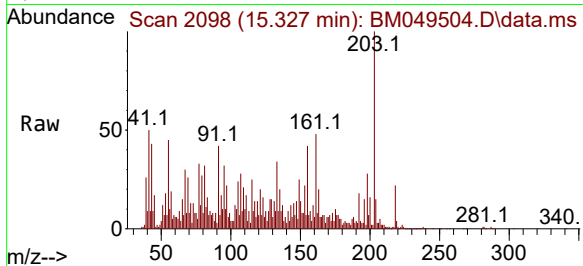




#66
4,6-Dinitro-2-methylphenol
Concen: 6.945 ng/ul
RT: 15.327 min Scan# 2092
Delta R.T. 0.029 min
Lab File: BM049504.D
Acq: 29 Jan 2025 14:59

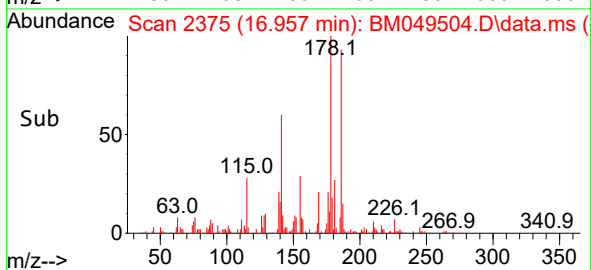
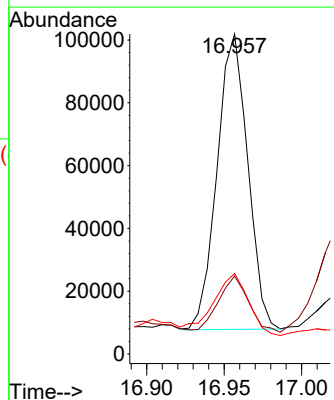
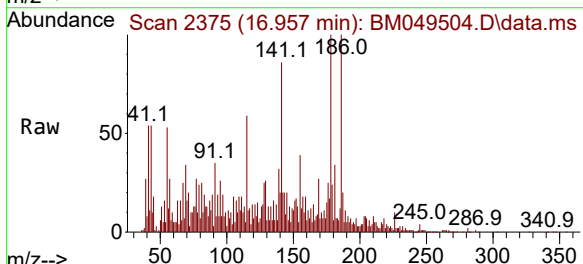
Instrument :
BNA_M
ClientSampleId :
E2966

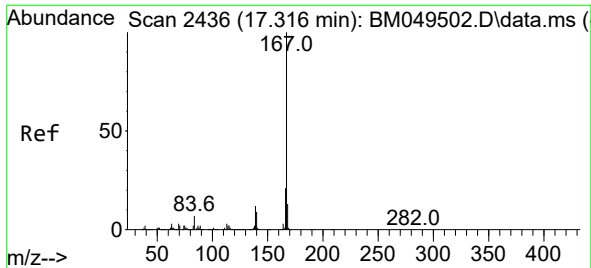
Tgt Ion:198 Resp: 60318
Ion Ratio Lower Upper
198 100
182 13.2 4.2 6.4#
77 118.4 17.7 26.5#



#72
Phenanthrene
Concen: 1.831 ng/ul
RT: 16.957 min Scan# 2375
Delta R.T. 0.012 min
Lab File: BM049504.D
Acq: 29 Jan 2025 14:59

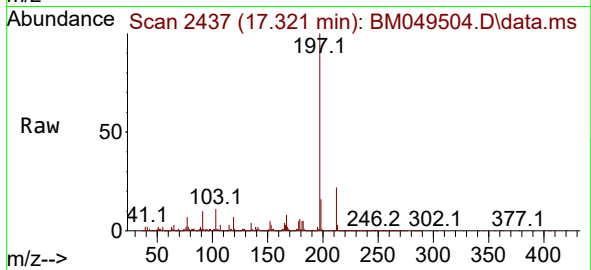
Tgt Ion:178 Resp: 129611
Ion Ratio Lower Upper
178 100
179 24.3 12.4 18.6#
176 25.1 15.6 23.4#





#77
 Carbazole
 Concen: 10.746 ng/ul
 RT: 17.321 min Scan# 24
 Delta R.T. 0.006 min
 Lab File: BM049504.D
 Acq: 29 Jan 2025 14:59

Instrument :
 BNA_M
 ClientSampleId :
 E2966



Tgt Ion:167 Resp: 684705
 Ion Ratio Lower Upper
 167 100
 166 29.6 17.2 25.8#
 139 19.6 9.3 13.9#

