

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012825\
 Data File : BM049507.D
 Acq On : 29 Jan 2025 16:57
 Operator : RC/JU
 Sample : Q1184-15DL 20X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E2966

Quant Time: Jan 30 07:33:18 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	188425	20.000	ng/ul	0.00
20) Naphthalene-d8	10.122	136	15461	20.000	ng/ul	-0.15
38) Acenaphthene-d10	13.986	164	1113	20.000	ng/ul	#-0.16
64) Phenanthrene-d10	0.000	188	0	0.000	ng/ul	-16.90
79) Chrysene-d12	21.139	240	1032496	20.000	ng/ul	0.00
88) Perylene-d12	23.915	264	1124248	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	2157	0.424	ng/uL	0.00
4) Pyridine-d5	3.534	84	11756	0.787	ng/ul	0.02
7) Phenol-d5	6.757	99	13441	0.879	ng/ul	0.05
9) Bis-(2-Chloroethyl)eth...	6.863	67	23231	2.222	ng/ul	0.00
11) 2-Chlorophenol-d4	7.063	132	27409	2.317	ng/ul	0.01
15) 4-Methylphenol-d8	8.246	113	20204	1.804	ng/ul	0.02
21) Nitrobenzene-d5	8.657	128	14210	120.137	ng/ul	0.00
24) 2-Nitrophenol-d4	9.216	143	57	0.442	ng/ul	-0.15
28) 2,4-Dichlorophenol-d3	9.922	165	29713	112.857	ng/ul	0.02
31) 4-Chloroaniline-d4	10.245	131	20126	59.595	ng/ul	-0.18
46) Dimethylphthalate-d6	13.439	166	80	0.980	ng/ul	-0.14
49) Acenaphthylene-d8	13.845	160	94733	988.005	ng/ul	0.00
54) 4-Nitrophenol-d4	14.216	143	471	35.184	ng/ul	-0.16
60) Fluorene-d10	14.986	176	349	4.863	ng/ul	-0.16
65) 4,6-Dinitro-2-methylph...	15.286	200	10231	0.000	ng/ul	0.00
73) Anthracene-d10	17.004	188	135025	0.000	ng/ul	0.00
81) Pyrene-d10	19.310	212	165001	2.734	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.727	264	160723	2.680	ng/ul	0.00
Target Compounds						
					Qvalue	
8) Phenol	6.781	94	1284801	80.055	ng/ul	96
13) 2-Methylphenol	7.987	108	12224	1.087	ng/ul	96
18) 4-Methylphenol	8.310	108	386218	31.818	ng/ul	93
23) Isophorone	9.081	82	2985	5.284	ng/ul#	17
26) 2,4-Dimethylphenol	9.492	107	1237479	4694.130	ng/ul	97
27) Bis(2-Chloroethoxy)met...	9.522	93	46090	130.261	ng/ul#	1
29) 2,4-Dichlorophenol	9.951	162	364	1.375	ng/ul#	1
30) Naphthalene	10.322	128	481162	584.522	ng/ul	99
32) 4-Chloroaniline	10.322	127	63140	195.396	ng/ul#	8
35) 4-Chloro-3-methylphenol	11.434	107	7647	33.442	ng/ul#	21
42) 2,4,5-Trichlorophenol	12.586	196	489	19.230	ng/ul#	46
43) 1,1'-Biphenyl	12.980	154	4939	58.487	ng/ul#	90
44) 2-Chloronaphthalene	12.833	162	232	3.389	ng/ul#	1
45) 2-Nitroaniline	13.098	65	1138	66.168	ng/ul#	34
47) Dimethylphthalate	13.492	163	248355	3063.581	ng/ul#	91
48) 2,6-Dinitrotoluene	13.598	165	573	39.301	ng/ul#	1
50) Acenaphthylene	13.716	152	496	5.035	ng/ul#	1
51) 3-Nitroaniline	13.916	138	288	19.886	ng/ul#	52
52) Acenaphthene	14.175	153	164	2.332	ng/ul	90
53) 2,4-Dinitrophenol	14.127	184	60	6.655	ng/ul#	1
55) 4-Nitrophenol	14.227	109	151	15.416	ng/ul#	47
56) Dibenzofuran	14.257	168	1670	16.654	ng/ul	94
57) 2,4-Dinitrotoluene	14.357	165	202	9.265	ng/ul#	1
59) Diethylphthalate	14.816	149	284	3.690	ng/ul#	18

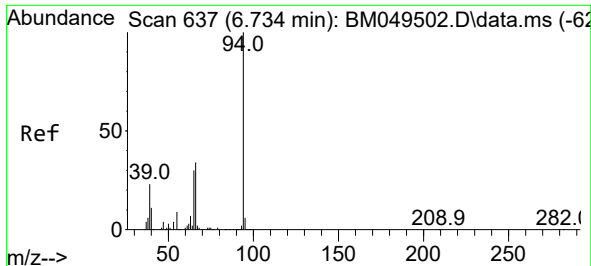
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012825\
Data File : BM049507.D
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 28 14:45:18 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) Fluorene	15.039	166	1003	12.378	ng/ul#	37
62) 4-Chlorophenyl-phenyle...	15.080	204	143	3.253	ng/ul#	1
63) 4-Nitroaniline	15.057	138	190	14.207	ng/ul#	57

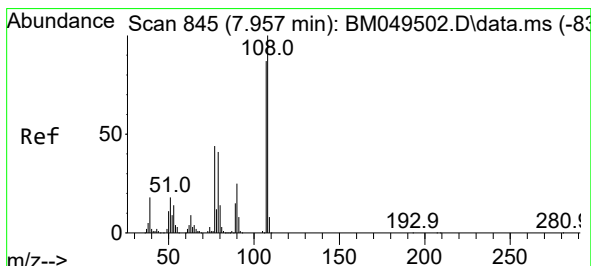
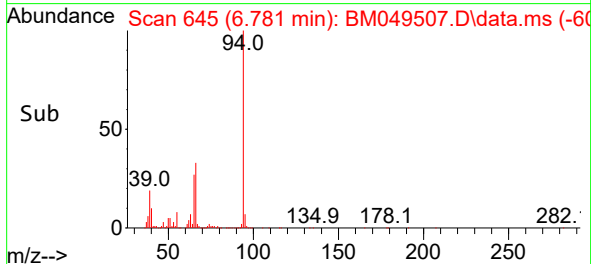
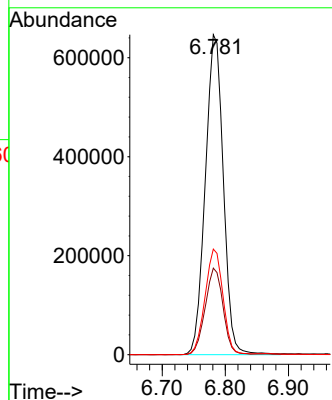
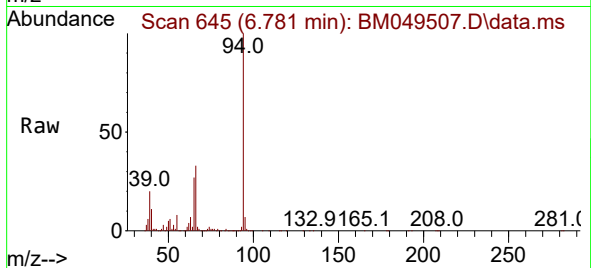
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#8
Phenol
Concen: 80.055 ng/ul
RT: 6.781 min Scan# 64
Delta R.T. 0.047 min
Lab File: BM049507.D
Acq: 29 Jan 2025 16:57

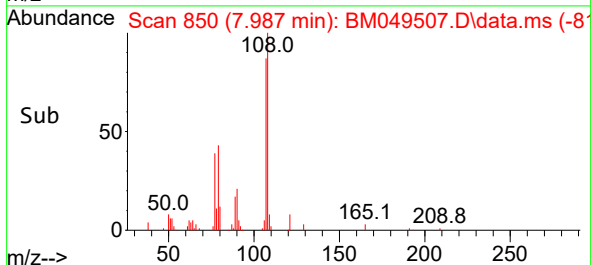
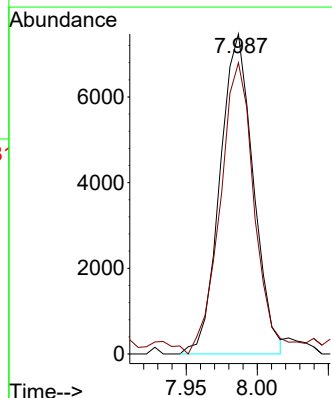
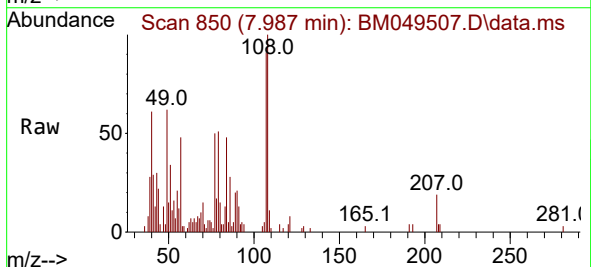
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BNA_M
ClientSampleId :
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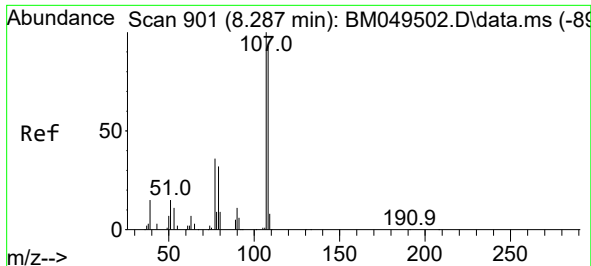
Tgt Ion: 94 Resp: 1284801
Ion Ratio Lower Upper
94 100
65 27.1 23.4 35.0
66 33.0 27.8 41.8



#13
2-Methylphenol
Concen: 1.087 ng/ul
RT: 7.987 min Scan# 850
Delta R.T. 0.024 min
Lab File: BM049507.D
Acq: 29 Jan 2025 16:57

Tgt Ion: 108 Resp: 12224
Ion Ratio Lower Upper
108 100
107 91.0 69.7 104.5

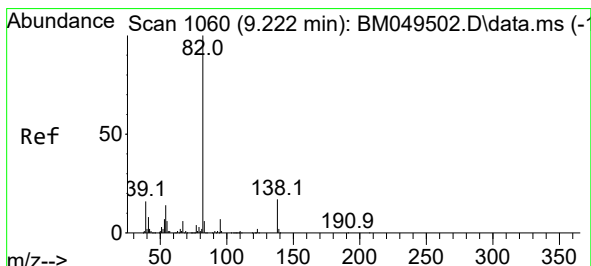
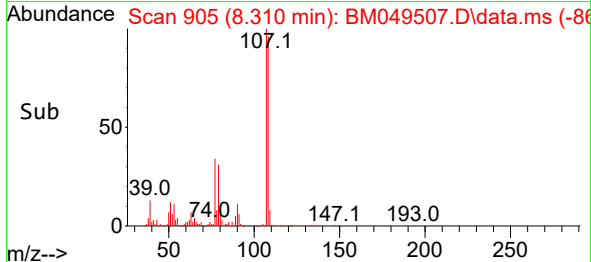
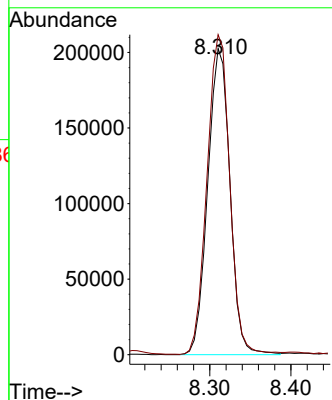
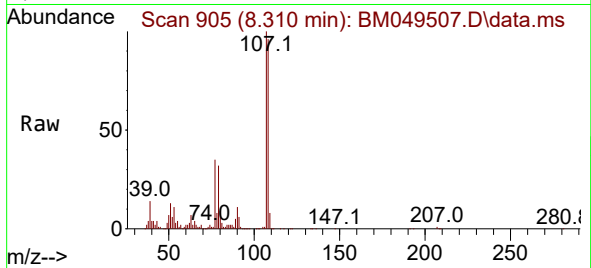




#18
4-Methylphenol
Concen: 31.818 ng/ul
RT: 8.310 min Scan# 901
Delta R.T. 0.024 min
Lab File: BM049507.D
Acq: 29 Jan 2025 16:57

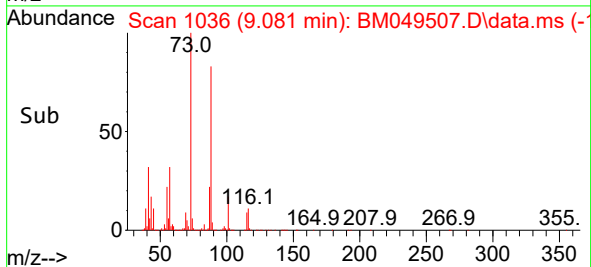
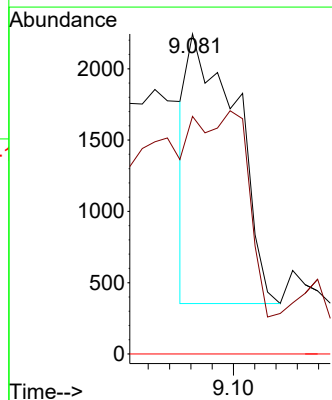
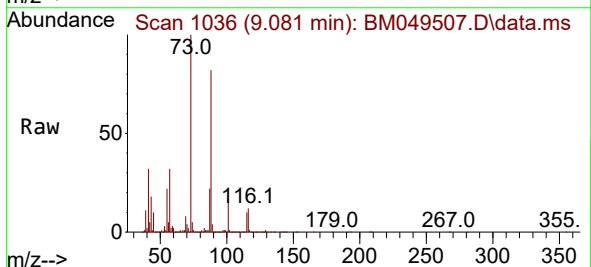
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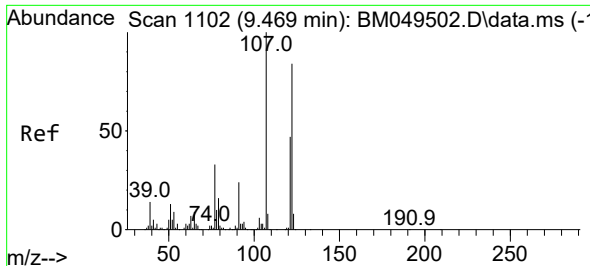
Tgt Ion:108 Resp: 386218
Ion Ratio Lower Upper
108 100
107 104.5 90.0 135.0



#23
Isophorone
Concen: 5.284 ng/ul
RT: 9.081 min Scan# 1036
Delta R.T. -0.141 min
Lab File: BM049507.D
Acq: 29 Jan 2025 16:57

Tgt Ion: 82 Resp: 2985
Ion Ratio Lower Upper
82 100
95 74.2 5.1 7.7#
138 0.0 13.3 19.9#

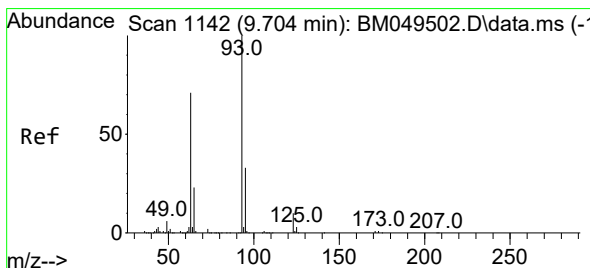
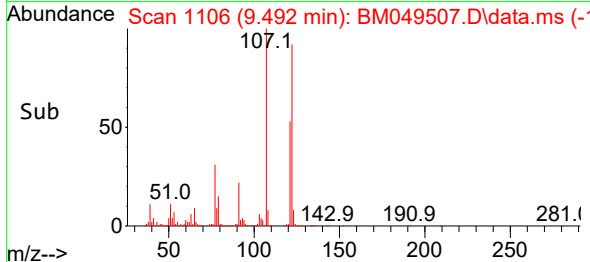
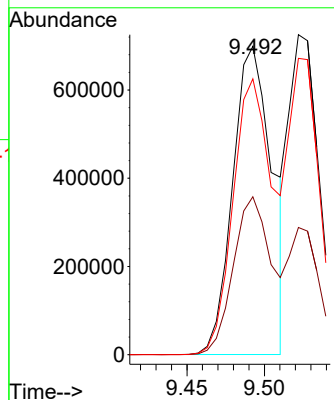
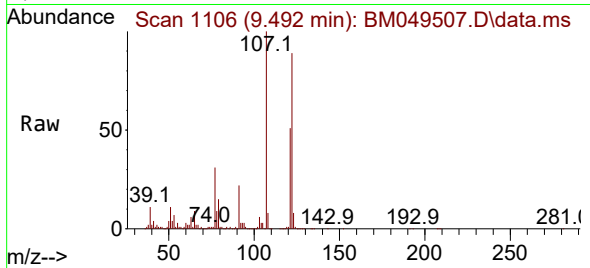




#26
2,4-Dimethylphenol
Concen: 4694.130 ng/ul
RT: 9.492 min Scan# 1106
Delta R.T. 0.018 min
Lab File: BM049507.D
Acq: 29 Jan 2025 16:57

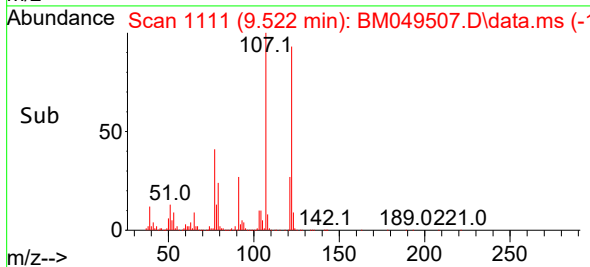
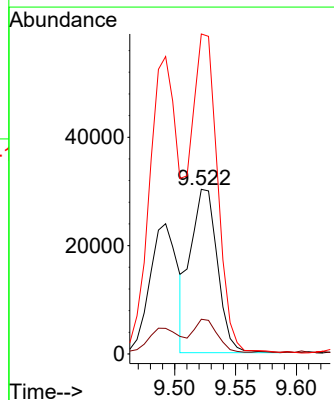
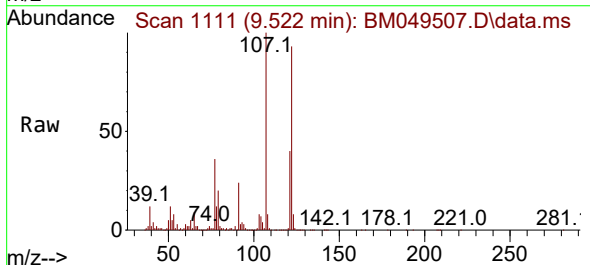
Instrument :
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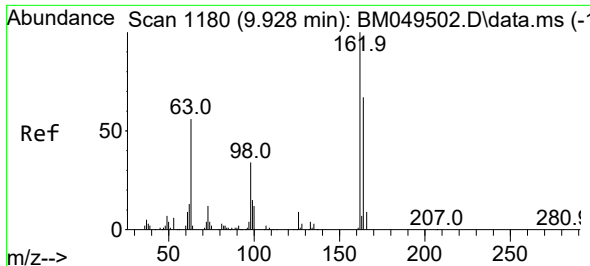
Tgt Ion:107 Resp: 1237479
Ion Ratio Lower Upper
107 100
121 51.2 39.6 59.4
122 89.5 68.7 103.1



#27
Bis(2-Chloroethoxy)methane
Concen: 130.261 ng/ul
RT: 9.522 min Scan# 1111
Delta R.T. -0.182 min
Lab File: BM049507.D
Acq: 29 Jan 2025 16:57

Tgt Ion: 93 Resp: 46090
Ion Ratio Lower Upper
93 100
95 21.1 25.0 37.6#
123 194.4 8.6 13.0#

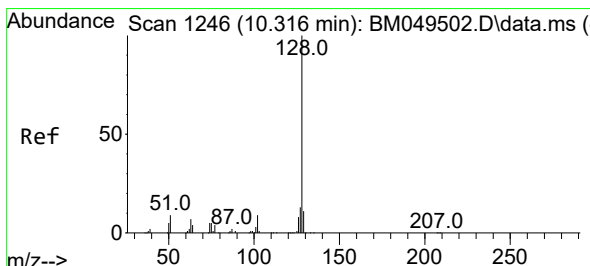
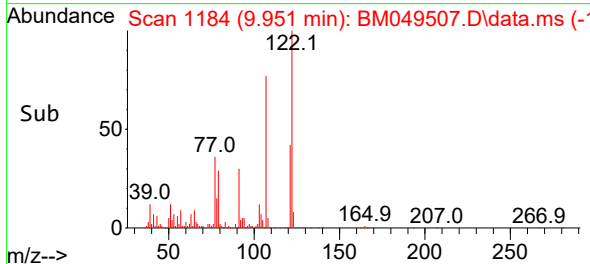
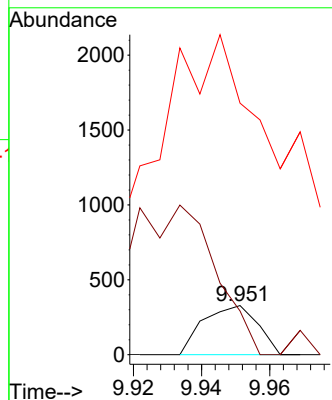
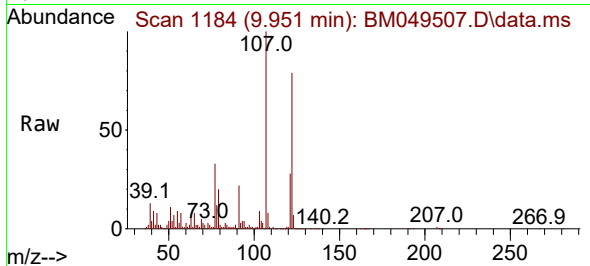




#29
2,4-Dichlorophenol
Concen: 1.375 ng/ul
RT: 9.951 min Scan# 1184
Delta R.T. 0.018 min
Lab File: BM049507.D
Acq: 29 Jan 2025 16:57

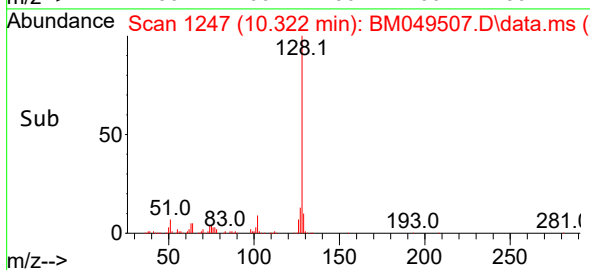
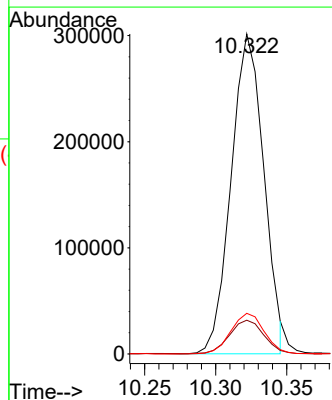
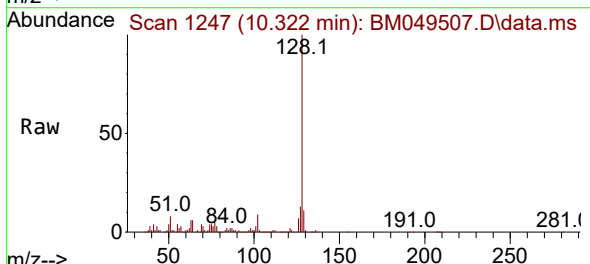
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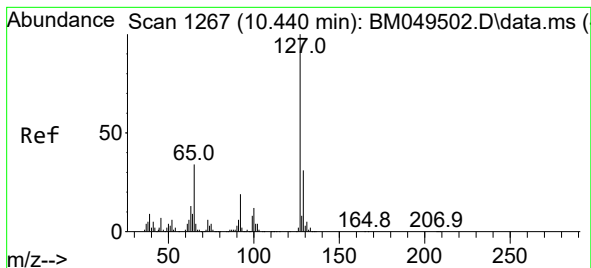
Tgt Ion:162 Resp: 364
Ion Ratio Lower Upper
162 100
164 89.0 53.7 80.5#
98 512.2 27.2 40.8#



#30
Naphthalene
Concen: 584.522 ng/ul
RT: 10.322 min Scan# 1247
Delta R.T. -0.000 min
Lab File: BM049507.D
Acq: 29 Jan 2025 16:57

Tgt Ion:128 Resp: 481162
Ion Ratio Lower Upper
128 100
129 10.5 8.8 13.2
127 12.7 10.6 15.8

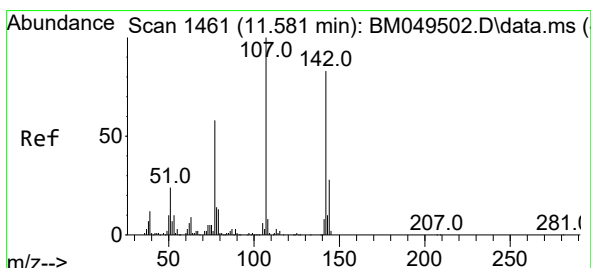
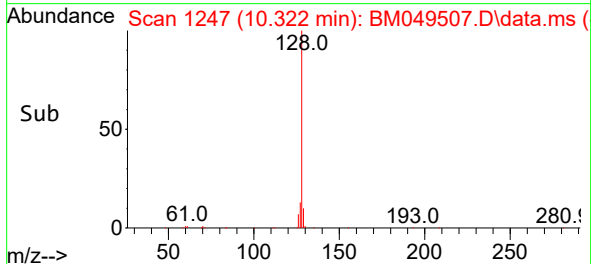
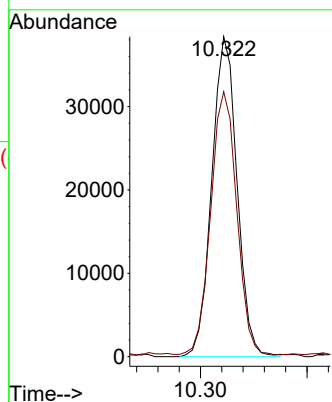
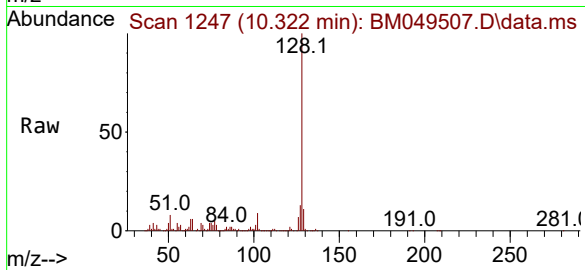




#32
4-Chloroaniline
Concen: 195.396 ng/ul
RT: 10.322 min Scan# 11
Delta R.T. -0.124 min
Lab File: BM049507.D
Acq: 29 Jan 2025 16:57

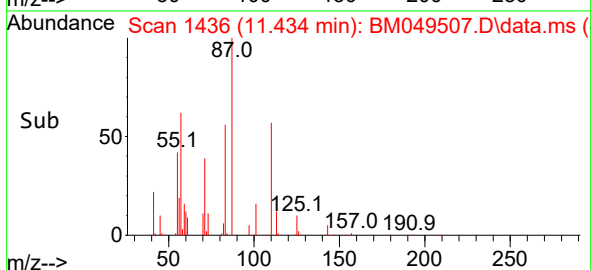
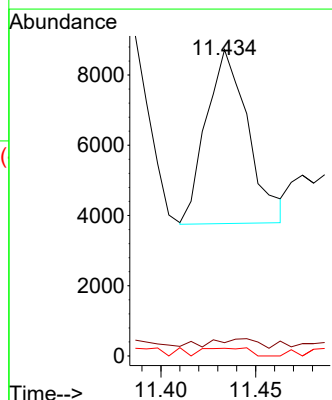
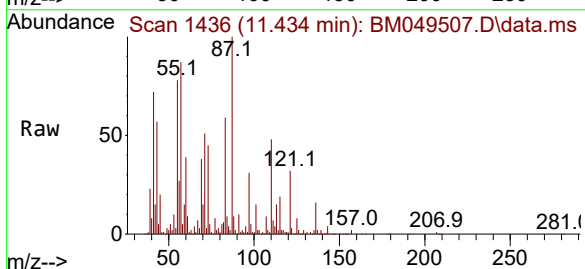
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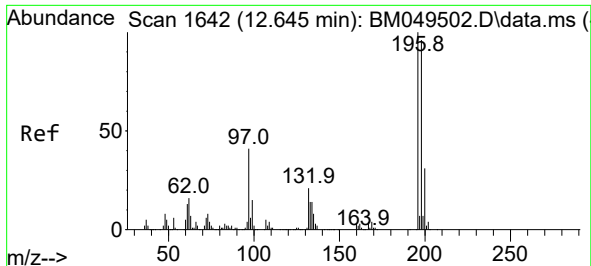
Tgt Ion:127 Resp: 63140
Ion Ratio Lower Upper
127 100
129 82.8 25.4 38.2#



#35
4-Chloro-3-methylphenol
Concen: 33.442 ng/ul
RT: 11.434 min Scan# 1436
Delta R.T. -0.147 min
Lab File: BM049507.D
Acq: 29 Jan 2025 16:57

Tgt Ion:107 Resp: 7647
Ion Ratio Lower Upper
107 100
144 4.3 22.6 34.0#
142 2.5 67.5 101.3#

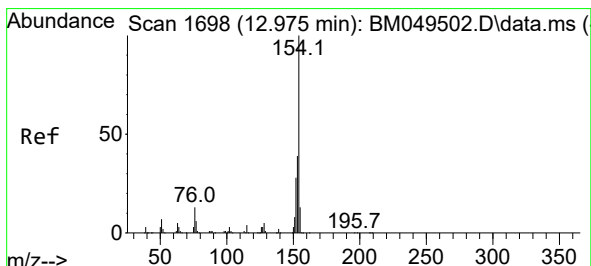
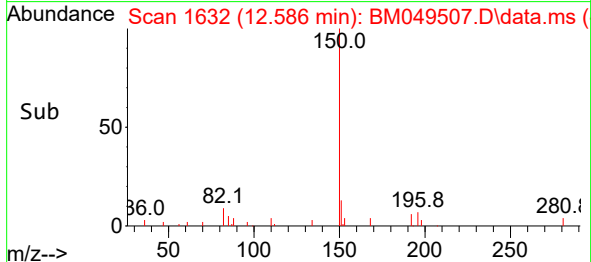
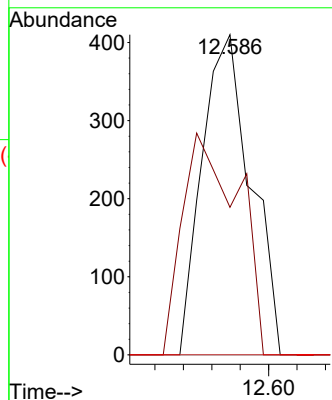
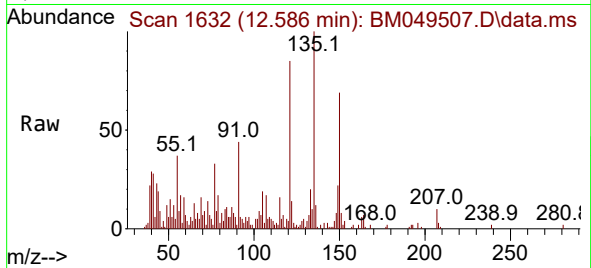




#42
2,4,5-Trichlorophenol
Concen: 19.230 ng/ul
RT: 12.586 min Scan# 1632
Delta R.T. -0.059 min
Lab File: BM049507.D
Acq: 29 Jan 2025 16:57

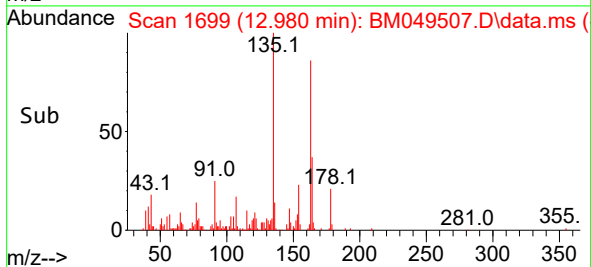
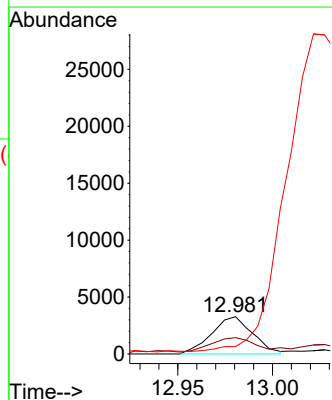
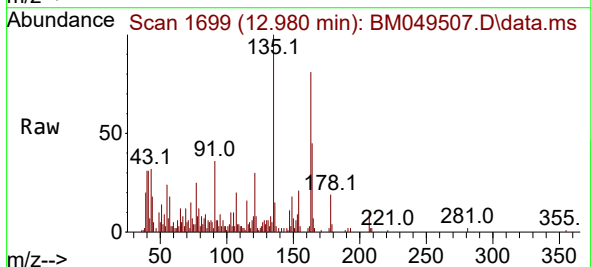
Instrument :
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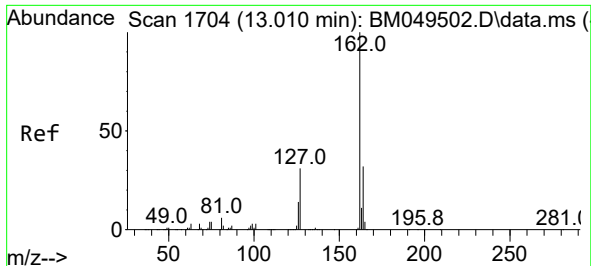
Tgt Ion:196 Resp: 489
Ion Ratio Lower Upper
196 100
198 46.1 79.4 119.0#
200 0.0 25.1 37.7#



#43
1,1'-Biphenyl
Concen: 58.487 ng/ul
RT: 12.980 min Scan# 1699
Delta R.T. -0.000 min
Lab File: BM049507.D
Acq: 29 Jan 2025 16:57

Tgt Ion:154 Resp: 4939
Ion Ratio Lower Upper
154 100
153 43.8 31.7 47.5
76 19.8 9.8 14.8#

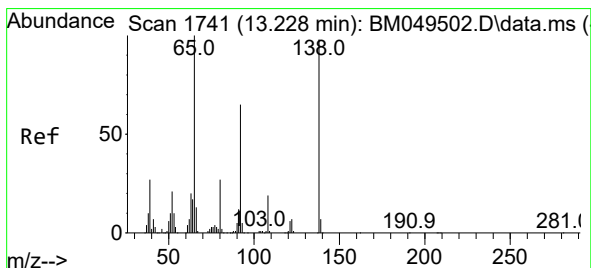
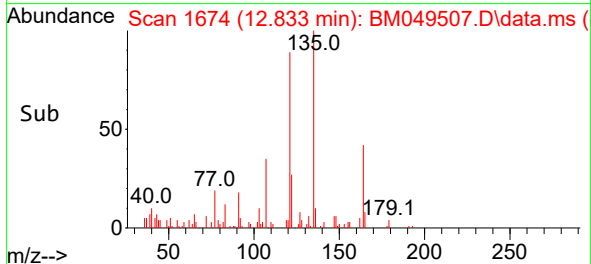
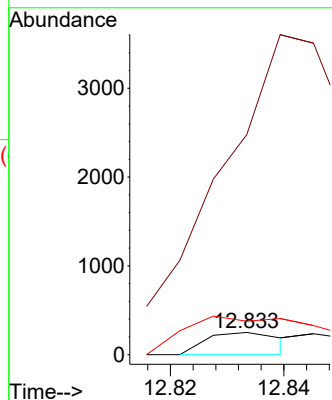
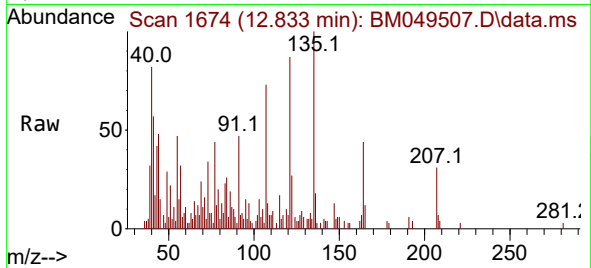




#44
2-Chloronaphthalene
Concen: 3.389 ng/ul
RT: 12.833 min Scan# 1
Delta R.T. -0.182 min
Lab File: BM049507.D
Acq: 29 Jan 2025 16:57

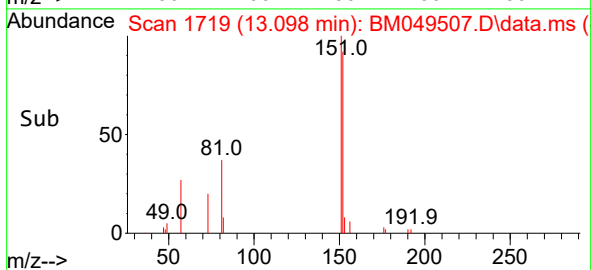
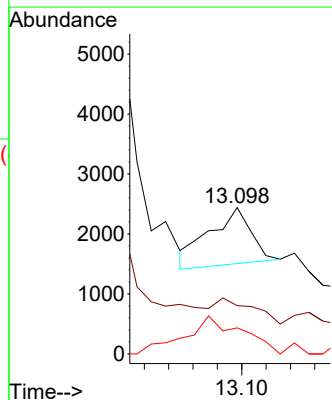
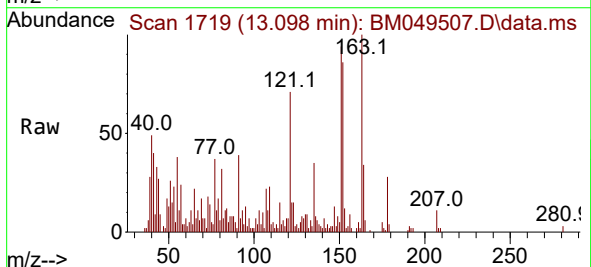
Instrument :
BNA_M
ClientSampleId :
E2966

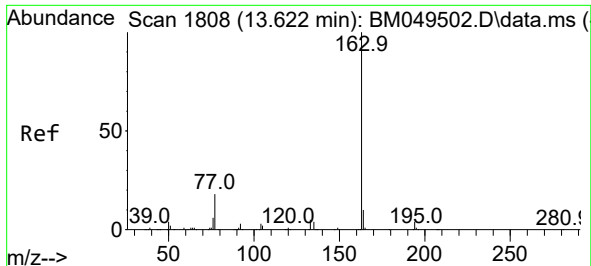
Tgt Ion:162 Resp: 232
Ion Ratio Lower Upper
162 100
164 990.8 26.5 39.7#
127 150.8 26.8 40.2#



#45
2-Nitroaniline
Concen: 66.168 ng/ul
RT: 13.098 min Scan# 1719
Delta R.T. -0.135 min
Lab File: BM049507.D
Acq: 29 Jan 2025 16:57

Tgt Ion: 65 Resp: 1138
Ion Ratio Lower Upper
65 100
92 33.1 52.6 79.0#
138 17.8 79.6 119.4#





#47

Dimethylphthalate

Concen: 3063.581 ng/ul

RT: 13.492 min Scan# 1

Delta R.T. -0.129 min

Lab File: BM049507.D

Acq: 29 Jan 2025 16:57

Instrument :

BNA_M

ClientSampleId :

E2966

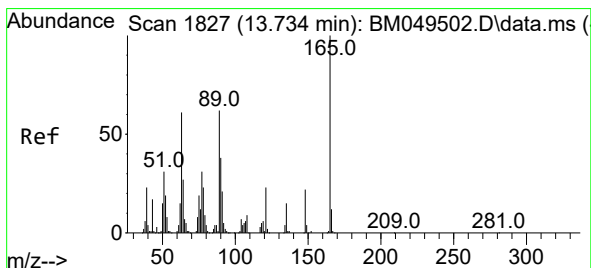
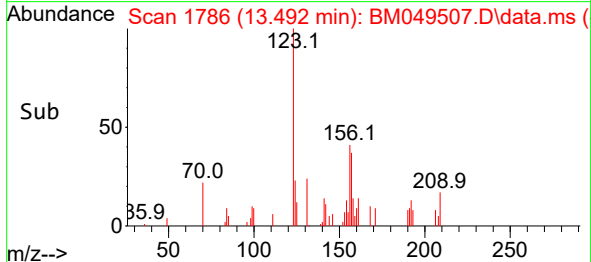
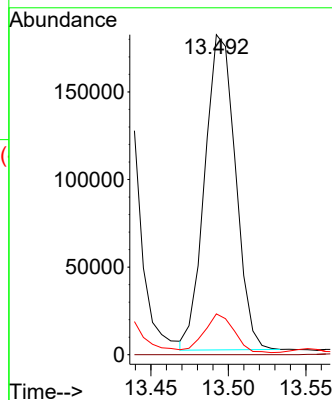
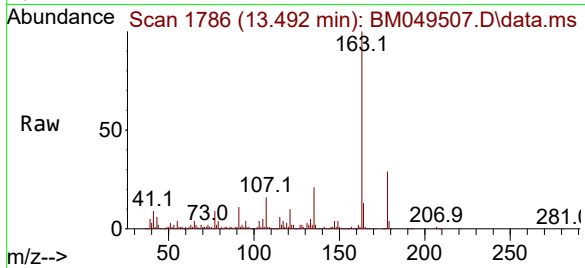
Tgt Ion:163 Resp: 248355

Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 12.8 8.0 12.0#



#48

2,6-Dinitrotoluene

Concen: 39.301 ng/ul

RT: 13.598 min Scan# 1804

Delta R.T. -0.141 min

Lab File: BM049507.D

Acq: 29 Jan 2025 16:57

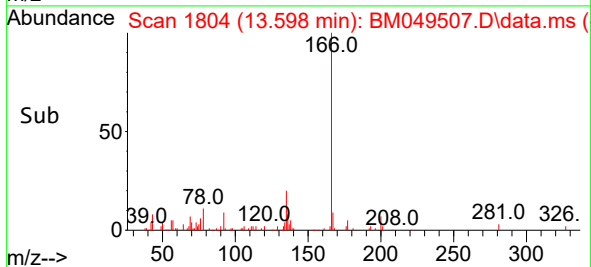
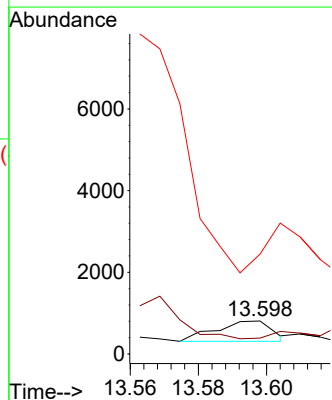
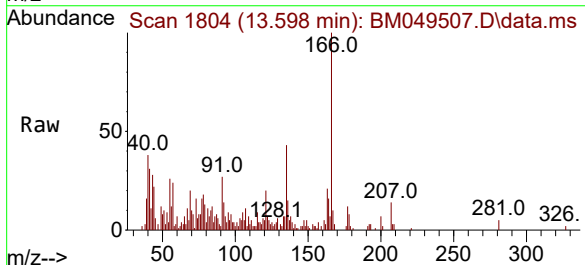
Tgt Ion:165 Resp: 573

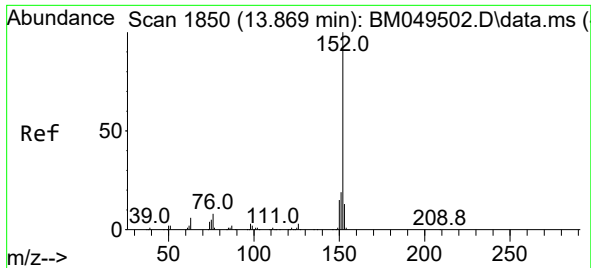
Ion Ratio Lower Upper

165 100

89 47.8 44.5 66.7

121 302.2 16.3 24.5#

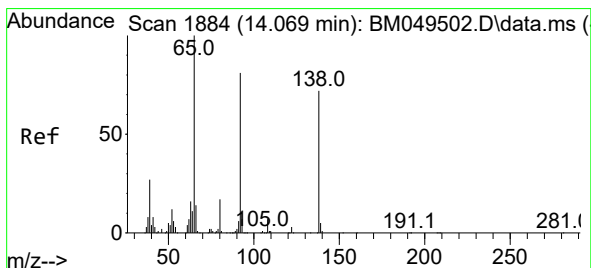
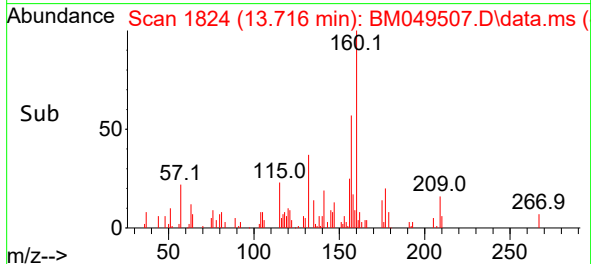
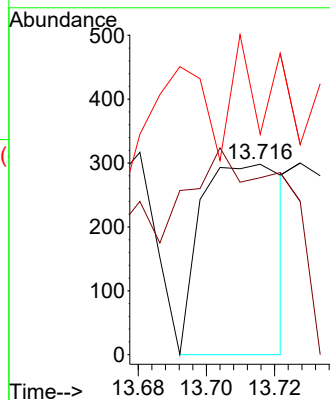
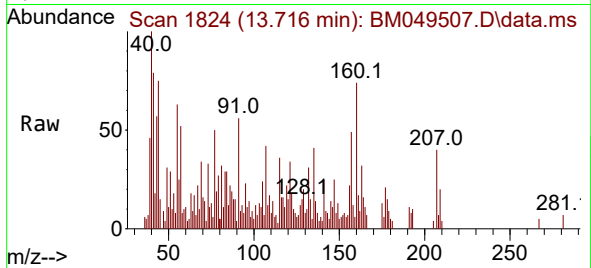




#50
Acenaphthylene
Concen: 5.035 ng/ul
RT: 13.716 min Scan# 1850
Delta R.T. -0.153 min
Lab File: BM049507.D
Acq: 29 Jan 2025 16:57

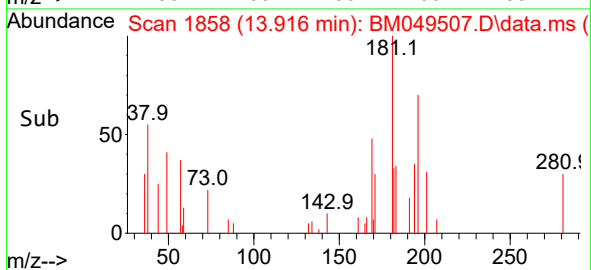
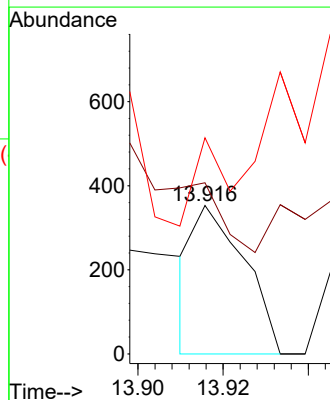
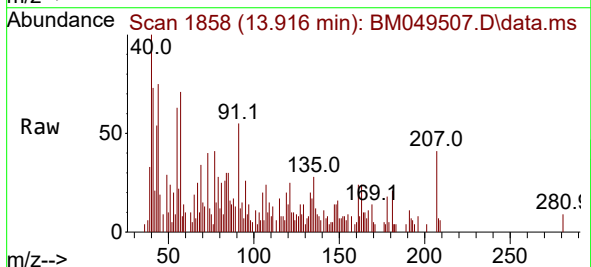
Instrument :
BNA_M
ClientSampleId :
E2966

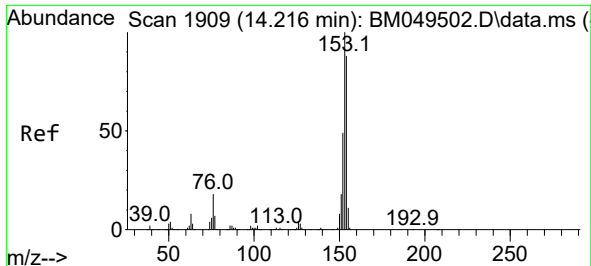
Tgt Ion:152 Resp: 496
Ion Ratio Lower Upper
152 100
151 93.0 16.0 24.0#
153 115.8 10.4 15.6#



#51
3-Nitroaniline
Concen: 19.886 ng/ul
RT: 13.916 min Scan# 1858
Delta R.T. -0.153 min
Lab File: BM049507.D
Acq: 29 Jan 2025 16:57

Tgt Ion:138 Resp: 288
Ion Ratio Lower Upper
138 100
108 115.3 9.0 13.6#
92 145.6 93.7 140.5#

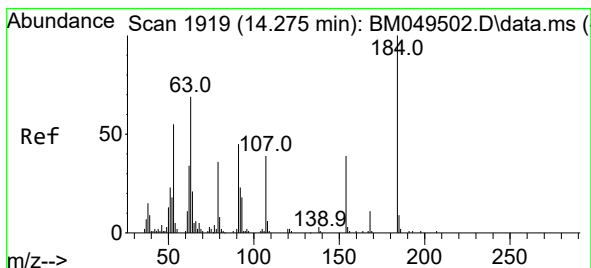
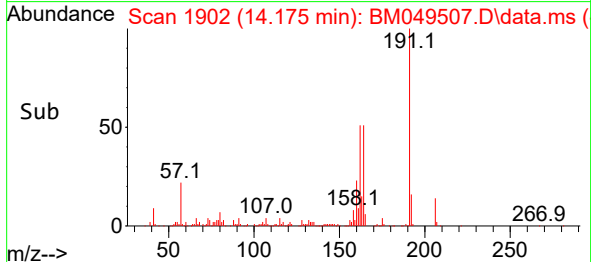
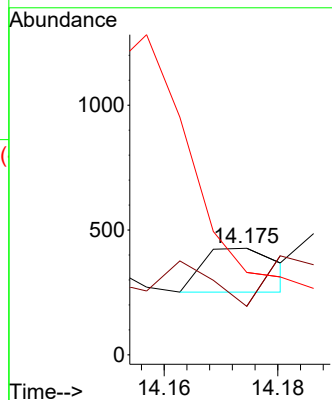
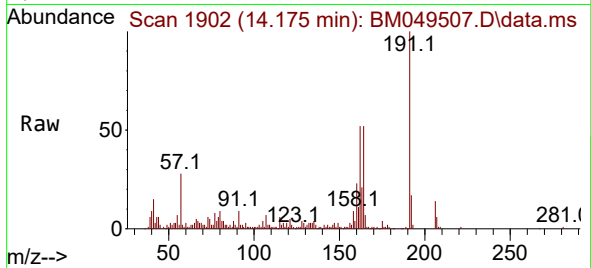




#52
Acenaphthene
Concen: 2.332 ng/ul
RT: 14.175 min Scan# 1894
Delta R.T. -0.041 min
Lab File: BM049507.D
Acq: 29 Jan 2025 16:57

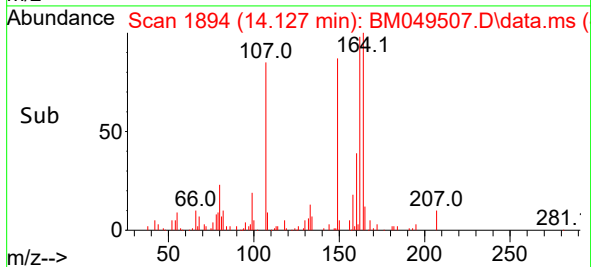
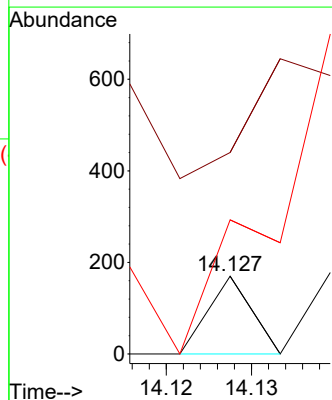
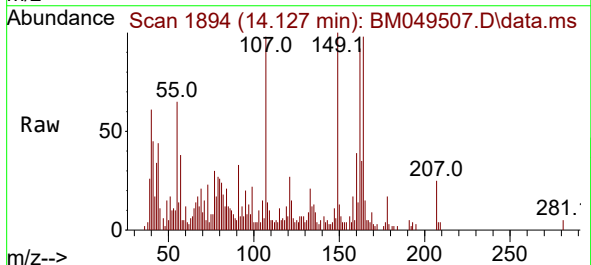
Instrument :
BNA_M
ClientSampleId :
E2966

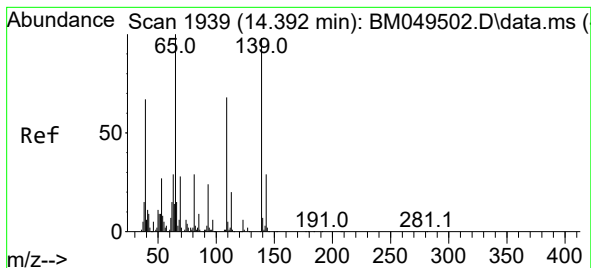
Tgt Ion:153 Resp: 164
Ion Ratio Lower Upper
153 100
152 45.4 39.0 58.4
154 77.3 71.5 107.3



#53
2,4-Dinitrophenol
Concen: 6.655 ng/ul
RT: 14.127 min Scan# 1894
Delta R.T. -0.153 min
Lab File: BM049507.D
Acq: 29 Jan 2025 16:57

Tgt Ion:184 Resp: 60
Ion Ratio Lower Upper
184 100
63 258.8 51.0 76.6#
154 172.4 49.8 74.6#

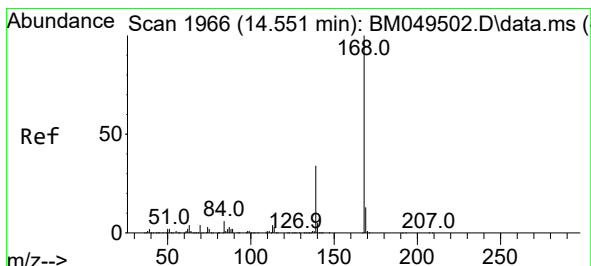
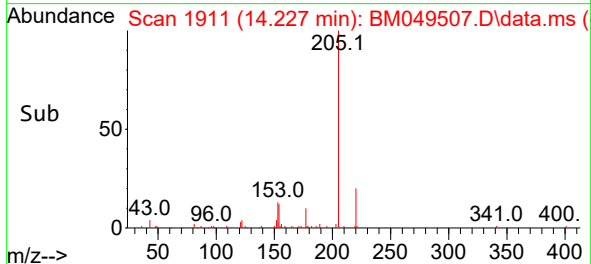
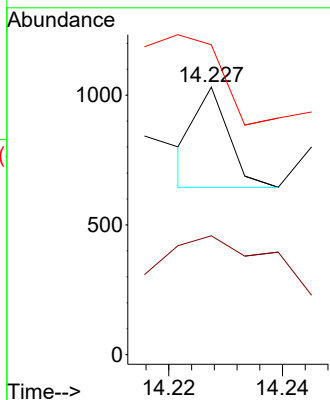
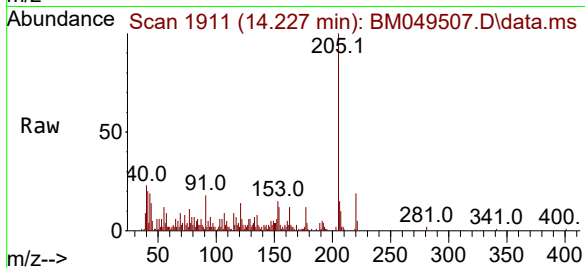




#55
4-Nitrophenol
Concen: 15.416 ng/ul
RT: 14.227 min Scan# 1911
Delta R.T. -0.165 min
Lab File: BM049507.D
Acq: 29 Jan 2025 16:57

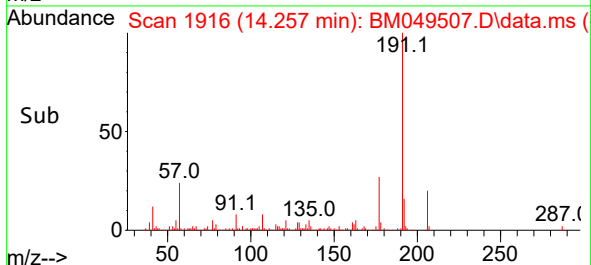
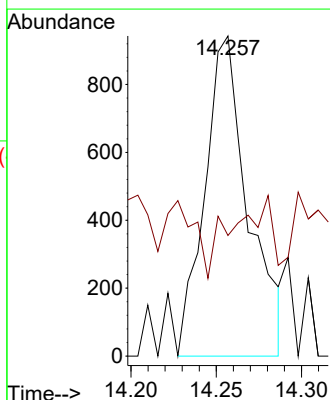
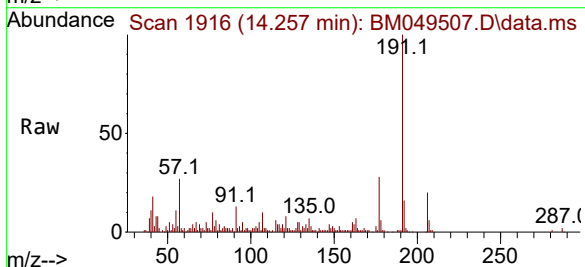
Instrument :
BNA_M
ClientSampleId :
E2966

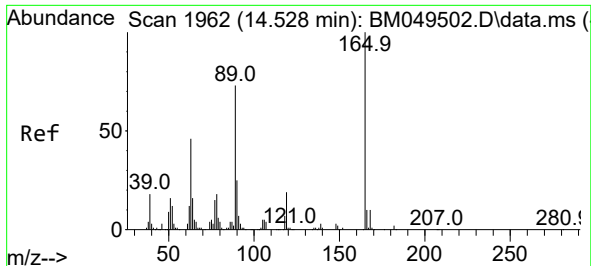
Tgt Ion:109 Resp: 151
Ion Ratio Lower Upper
109 100
139 44.4 115.4 173.2#
65 115.8 118.6 178.0#



#56
Dibenzofuran
Concen: 16.654 ng/ul
RT: 14.257 min Scan# 1916
Delta R.T. -0.300 min
Lab File: BM049507.D
Acq: 29 Jan 2025 16:57

Tgt Ion:168 Resp: 1670
Ion Ratio Lower Upper
168 100
139 37.6 27.4 41.0

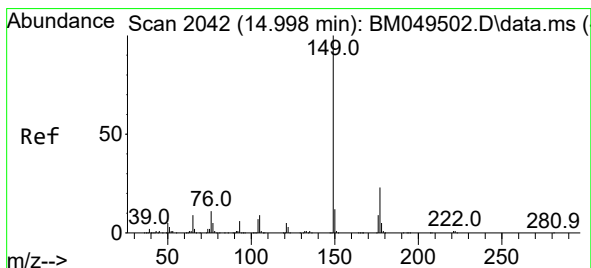
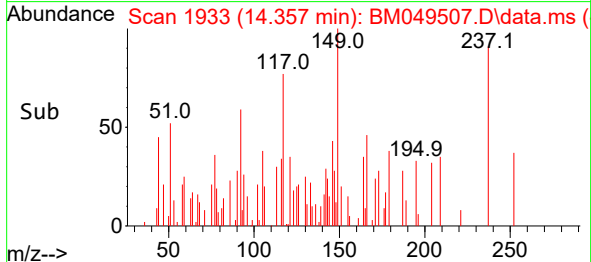
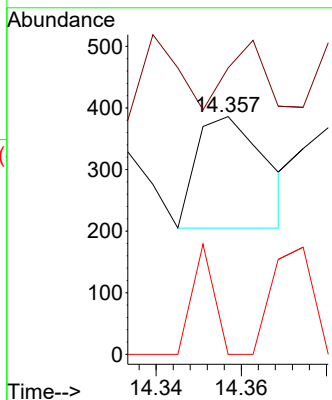
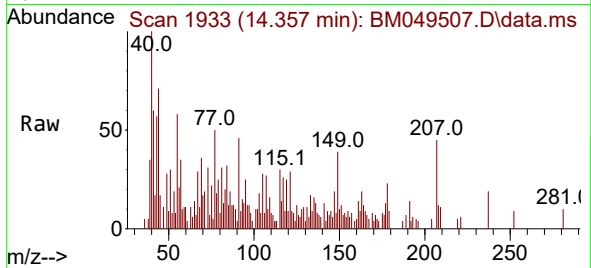




#57
2,4-Dinitrotoluene
Concen: 9.265 ng/ul
RT: 14.357 min Scan# 1962
Delta R.T. -0.176 min
Lab File: BM049507.D
Acq: 29 Jan 2025 16:57

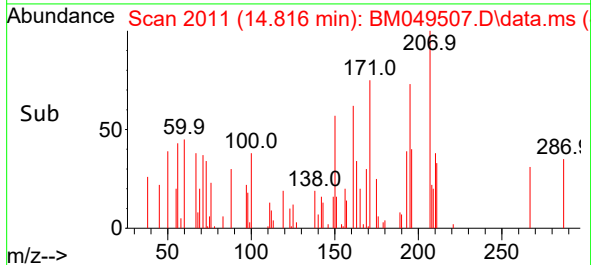
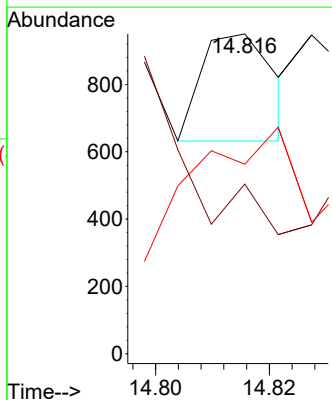
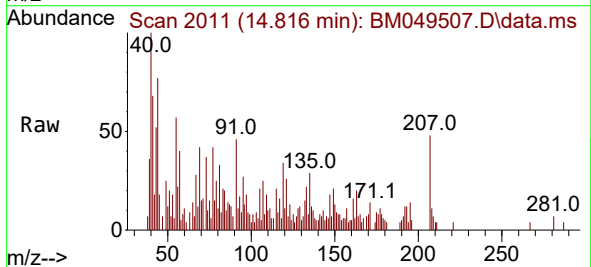
Instrument :
BNA_M
ClientSampleId :
E2966

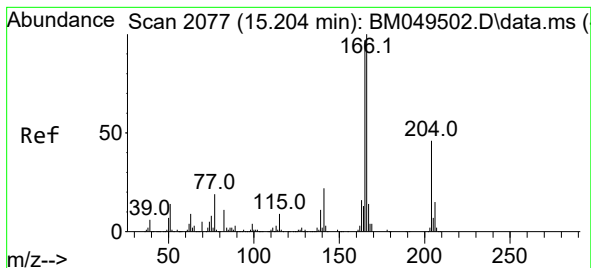
Tgt Ion:165 Resp: 202
Ion Ratio Lower Upper
165 100
63 120.5 35.5 53.3#
182 0.0 1.9 2.9#



#59
Diethylphthalate
Concen: 3.690 ng/ul
RT: 14.816 min Scan# 2011
Delta R.T. -0.182 min
Lab File: BM049507.D
Acq: 29 Jan 2025 16:57

Tgt Ion:149 Resp: 284
Ion Ratio Lower Upper
149 100
177 53.1 18.3 27.5#
150 59.3 9.9 14.9#





#61

Fluorene

Concen: 12.378 ng/ul

RT: 15.039 min Scan# 20

Delta R.T. -0.171 min

Lab File: BM049507.D

Acq: 29 Jan 2025 16:57

Instrument :

BNA_M

ClientSampleId :

E2966

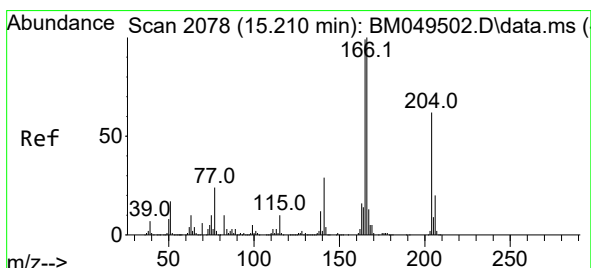
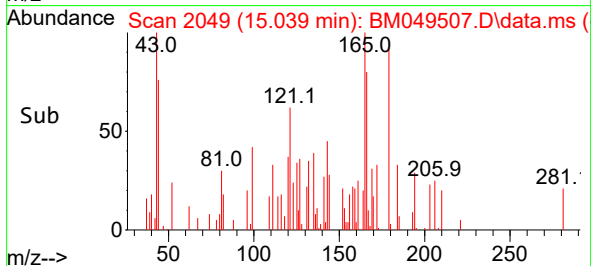
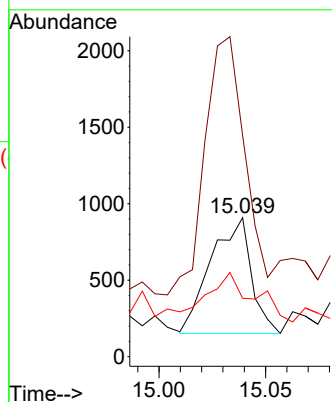
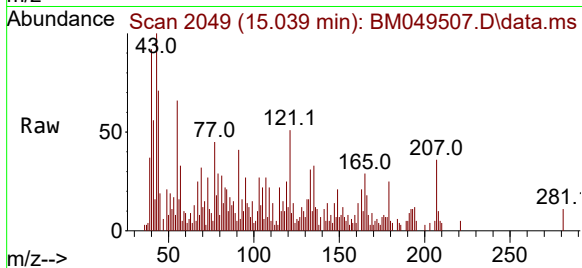
Tgt Ion:166 Resp: 1003

Ion Ratio Lower Upper

166 100

165 159.3 78.5 117.7#

167 42.0 10.7 16.1#



#62

4-Chlorophenyl-phenylether

Concen: 3.253 ng/ul

RT: 15.080 min Scan# 2056

Delta R.T. -0.129 min

Lab File: BM049507.D

Acq: 29 Jan 2025 16:57

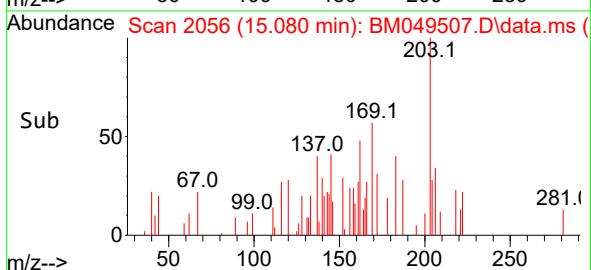
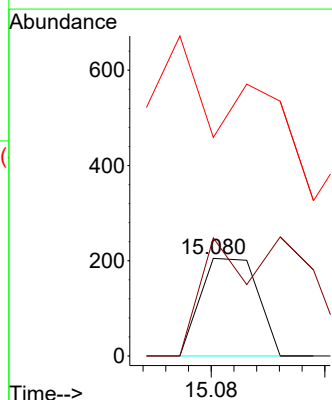
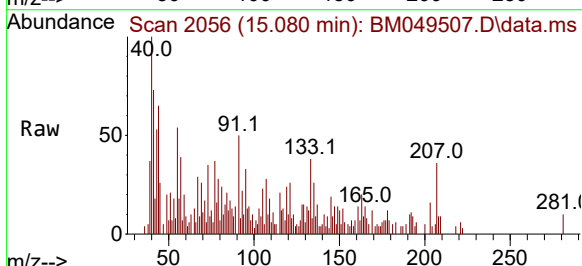
Tgt Ion:204 Resp: 143

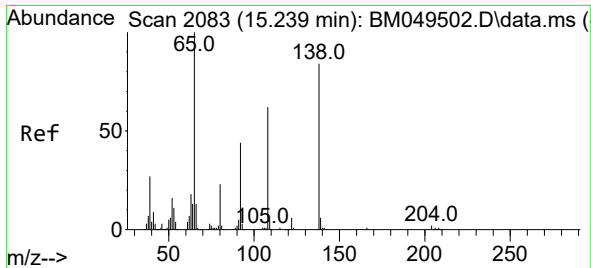
Ion Ratio Lower Upper

204 100

206 121.0 27.0 40.6#

141 223.9 41.2 61.8#





#63
 4-Nitroaniline
 Concen: 14.207 ng/ul
 RT: 15.057 min Scan# 20
 Delta R.T. -0.182 min
 Lab File: BM049507.D
 Acq: 29 Jan 2025 16:57

Instrument :
 BNA_M
 ClientSampleId :
 E2966

Tgt Ion:138 Resp: 190
 Ion Ratio Lower Upper
 138 100
 92 126.4 42.7 64.1#
 108 82.9 63.9 95.9

