

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060625\
 Data File : BM050214.D
 Acq On : 06 Jun 2025 14:46
 Operator : RC/JU
 Sample : Q2194-02MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COMP-12MSD

Quant Time: Jun 06 15:29:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 05 16:20:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.786	152	346679	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1352850	20.000	ng	0.00
39) Acenaphthene-d10	14.415	164	758249	20.000	ng	0.00
64) Phenanthrene-d10	17.151	188	1299390	20.000	ng	0.00
76) Chrysene-d12	21.380	240	1138990	20.000	ng	0.00
86) Perylene-d12	24.368	264	1259322	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	2583874	124.330	ng	0.00
7) Phenol-d6	6.957	99	3067628	112.129	ng	0.00
23) Nitrobenzene-d5	8.939	82	2162975	83.152	ng	0.00
42) 2,4,6-Tribromophenol	15.898	330	1122169	130.113	ng	0.00
45) 2-Fluorobiphenyl	13.045	172	4448519	79.428	ng	0.00
79) Terphenyl-d14	19.780	244	4771812	79.392	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.304	88	320685	35.202	ng	# 80
3) Pyridine	3.693	79	867026	36.752	ng	99
4) n-Nitrosodimethylamine	3.599	42	203319	41.678	ng	94
6) Aniline	7.116	93	709317	19.612	ng	99
8) 2-Chlorophenol	7.357	128	1028153	44.977	ng	98
9) Benzaldehyde	6.928	77	405818	23.331	ng	99
10) Phenol	6.981	94	1127607	38.955	ng	99
11) bis(2-Chloroethyl)ether	7.216	93	1006752	43.240	ng	98
12) 1,3-Dichlorobenzene	7.681	146	825524	32.303	ng	99
13) 1,4-Dichlorobenzene	7.822	146	859791	32.336	ng	100
14) 1,2-Dichlorobenzene	8.139	146	844067	33.299	ng	100
15) Benzyl Alcohol	8.022	79	881513	45.176	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.316	45	659390	40.769	ng	98
17) 2-Methylphenol	8.228	107	834273	43.681	ng	100
18) Hexachloroethane	8.869	117	303389	31.507	ng	99
19) n-Nitroso-di-n-propyla...	8.592	70	733685	43.824	ng	99
20) 3+4-Methylphenols	8.551	107	1122208	43.917	ng	99
22) Acetophenone	8.604	105	1496170	44.268	ng	99
24) Nitrobenzene	8.981	77	1072701	45.343	ng	100
25) Isophorone	9.510	82	2052018	45.705	ng	99
26) 2-Nitrophenol	9.686	139	500076	48.969	ng	99
27) 2,4-Dimethylphenol	9.751	122	959785	45.742	ng	99
28) bis(2-Chloroethoxy)met...	9.992	93	1338710	45.643	ng	99
29) 2,4-Dichlorophenol	10.222	162	928425	47.815	ng	98
30) 1,2,4-Trichlorobenzene	10.439	180	870660	40.295	ng	99
31) Naphthalene	10.627	128	2817903	40.287	ng	99
32) Benzoic acid	9.851	122	306831	23.269	ng	99
33) 4-Chloroaniline	10.727	127	198866	6.669	ng	98
34) Hexachlorobutadiene	10.922	225	483210	37.597	ng	100
35) Caprolactam	11.492	113	218784	35.541	ng	99
36) 4-Chloro-3-methylphenol	11.851	107	937360	45.241	ng	100
37) 2-Methylnaphthalene	12.239	142	1851170	43.871	ng	98
38) 1-Methylnaphthalene	12.457	142	1939756	43.312	ng	100
40) 1,2,4,5-Tetrachloroben...	12.610	216	1017405	46.467	ng	99
41) Hexachlorocyclopentadiene	12.598	237	1179961	88.739	ng	98
43) 2,4,6-Trichlorophenol	12.845	196	698333	48.500	ng	99

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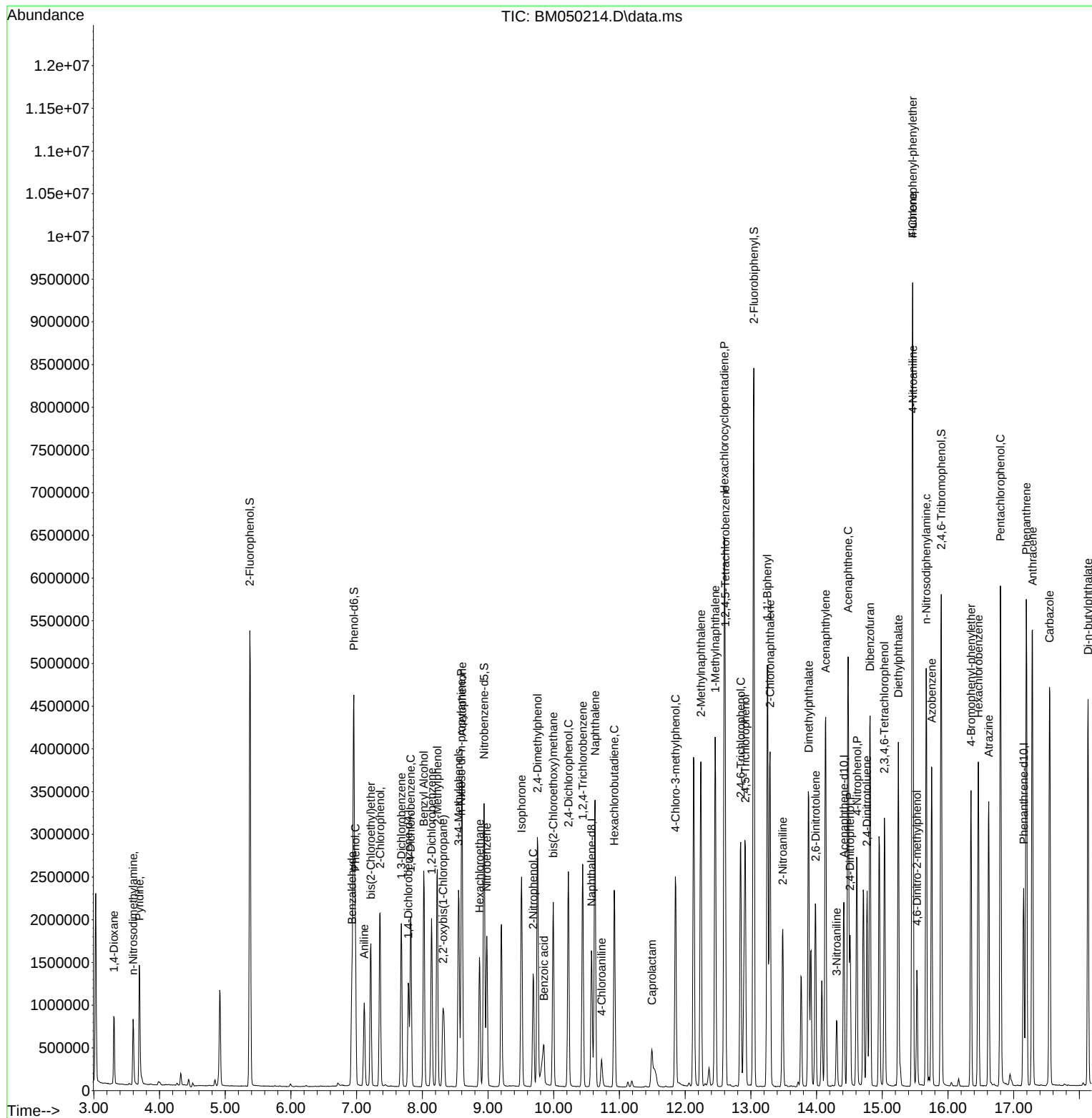
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.916	196	767542	48.551	ng	99
46) 1,1'-Biphenyl	13.251	154	2625883	46.249	ng	99
47) 2-Chloronaphthalene	13.292	162	1999316	45.295	ng	99
48) 2-Nitroaniline	13.486	65	490159	50.461	ng	97
49) Acenaphthylene	14.139	152	3263812	45.715	ng	100
50) Dimethylphthalate	13.880	163	2345250	45.734	ng	100
51) 2,6-Dinitrotoluene	13.986	165	501495	48.493	ng	97
52) Acenaphthene	14.480	154	2109603	47.242	ng	99
53) 3-Nitroaniline	14.304	138	213950	18.563	ng	97
54) 2,4-Dinitrophenol	14.510	184	391784	62.914	ng	97
55) Dibenzofuran	14.815	168	2933472	44.902	ng	100
56) 4-Nitrophenol	14.615	139	824021	83.999	ng	96
57) 2,4-Dinitrotoluene	14.768	165	679308	49.796	ng	99
58) Fluorene	15.462	166	2225190	44.470	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.033	232	626743	45.823	ng	93
60) Diethylphthalate	15.245	149	2268471	44.584	ng	99
61) 4-Chlorophenyl-phenyle...	15.462	204	1086187	44.914	ng	96
62) 4-Nitroaniline	15.468	138	452689	41.906	ng	99
63) Azobenzene	15.751	77	2261283	44.465	ng	99
65) 4,6-Dinitro-2-methylph...	15.527	198	303377	42.747	ng	98
66) n-Nitrosodiphenylamine	15.668	169	1929064	47.249	ng	99
67) 4-Bromophenyl-phenylether	16.351	248	680727	49.127	ng	97
68) Hexachlorobenzene	16.462	284	773916	47.804	ng	99
69) Atrazine	16.621	200	635775	48.872	ng	99
70) Pentachlorophenol	16.798	266	1002846	95.277	ng	100
71) Phenanthrene	17.192	178	3388322	45.646	ng	99
72) Anthracene	17.286	178	3428718	46.172	ng	100
73) Carbazole	17.545	167	3064592	45.300	ng	100
74) Di-n-butylphthalate	18.133	149	3501656	47.570	ng	100
75) Fluoranthene	19.203	202	3506137	44.789	ng	98
77) Benzidine	19.386	184	550924	17.201	ng	99
78) Pyrene	19.568	202	3678874	47.922	ng	100
80) Butylbenzylphthalate	20.480	149	1338750	52.280	ng	100
81) Benzo(a)anthracene	21.362	228	3412641	47.336	ng	100
82) 3,3'-Dichlorobenzidine	21.286	252	478234	21.753	ng	98
83) Chrysene	21.427	228	3203963	46.721	ng	99
84) Bis(2-ethylhexyl)phtha...	21.315	149	2017255	51.142	ng	98
85) Di-n-octyl phthalate	22.456	149	3248139	55.495	ng	100
87) Indeno(1,2,3-cd)pyrene	27.744	276	4296977	52.994	ng	# 92
88) Benzo(b)fluoranthene	23.433	252	3428235	46.823	ng	99
89) Benzo(k)fluoranthene	23.497	252	3435270	45.960	ng	99
90) Benzo(a)pyrene	24.232	252	3318053	48.199	ng	99
91) Dibenzo(a,h)anthracene	27.815	278	3460522	52.578	ng	100
92) Benzo(g,h,i)perylene	28.797	276	3528136	53.558	ng	100

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

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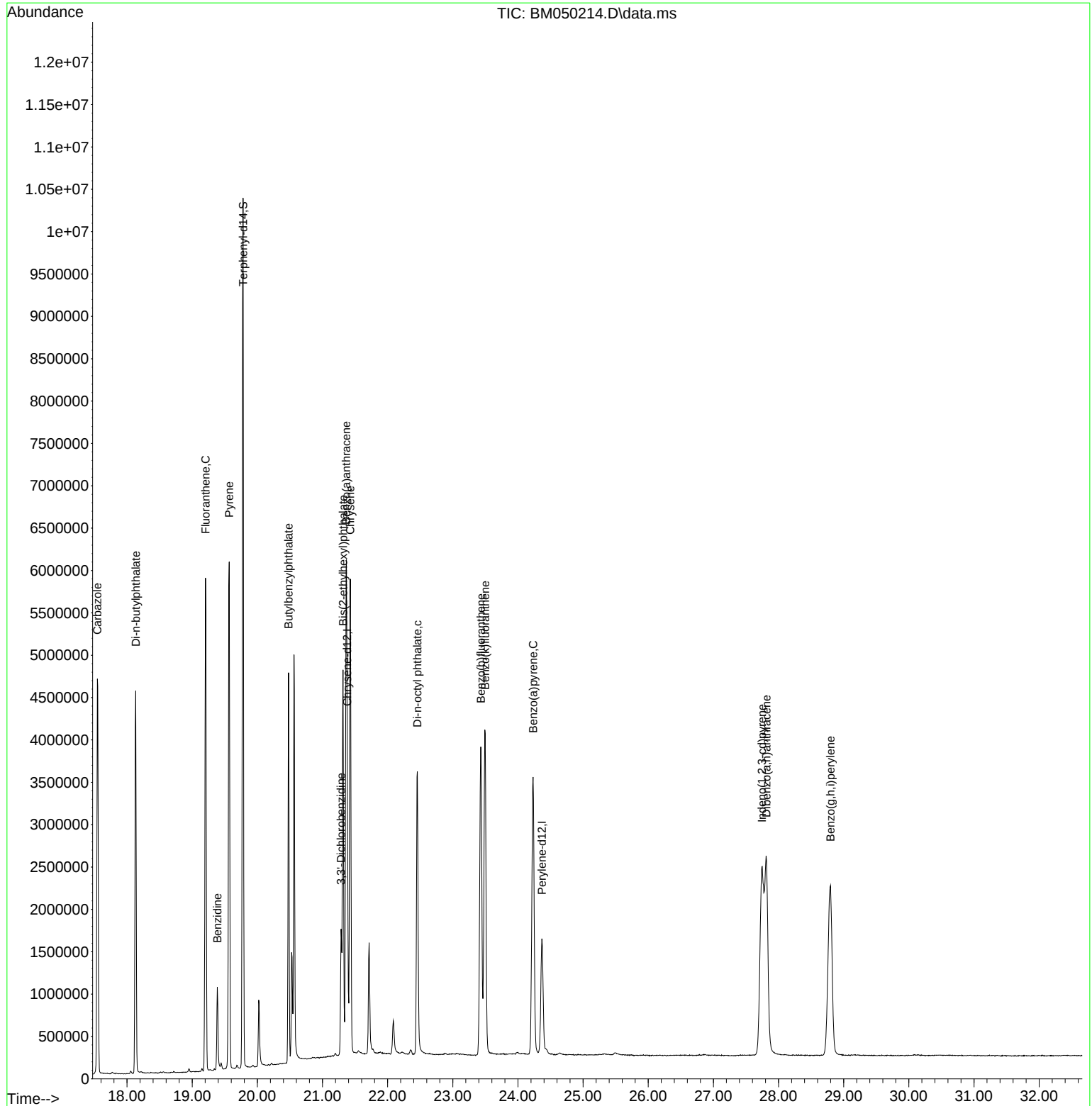
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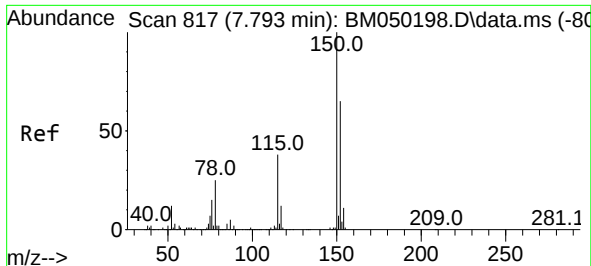


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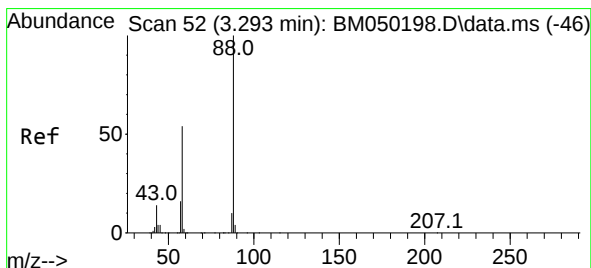
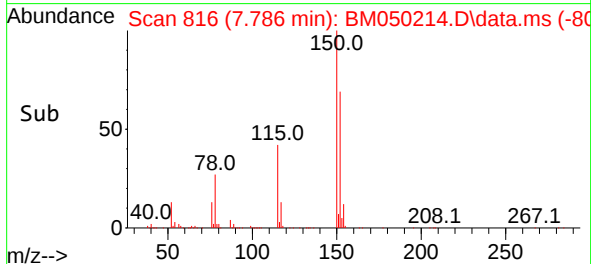
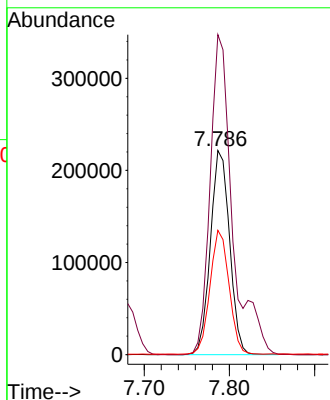
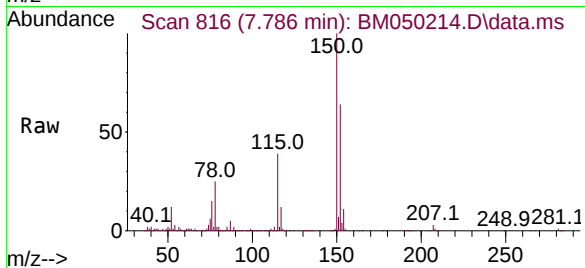




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.786 min Scan# 81
Delta R.T. -0.007 min
Lab File: BM050214.D
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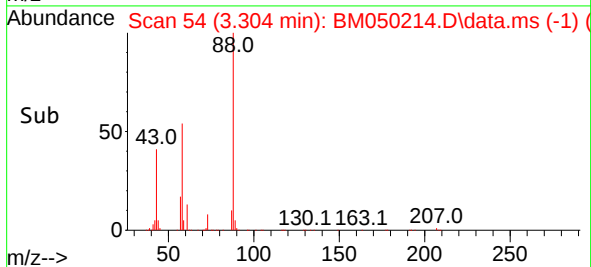
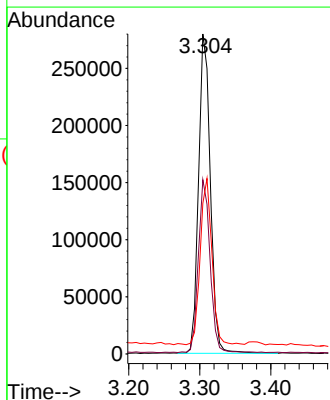
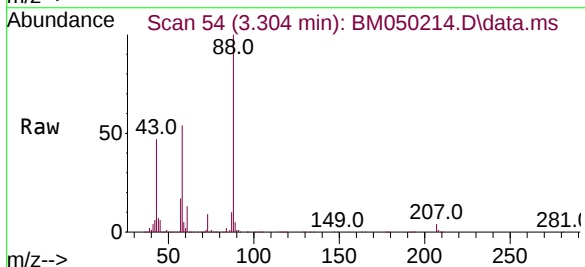
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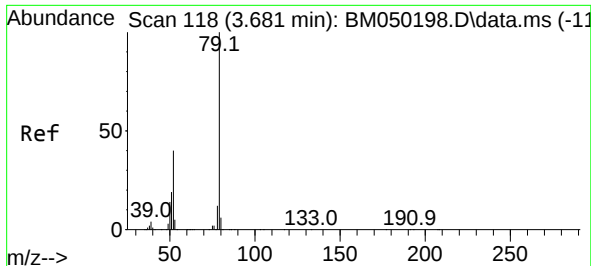
Tgt Ion:152 Resp: 346679
Ion Ratio Lower Upper
152 100
150 156.8 122.2 183.4
115 60.8 46.3 69.5



#2
1,4-Dioxane
Concen: 35.202 ng
RT: 3.304 min Scan# 54
Delta R.T. 0.012 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion: 88 Resp: 320685
Ion Ratio Lower Upper
88 100
58 54.2 42.9 64.3
43 51.6 11.0 16.6#

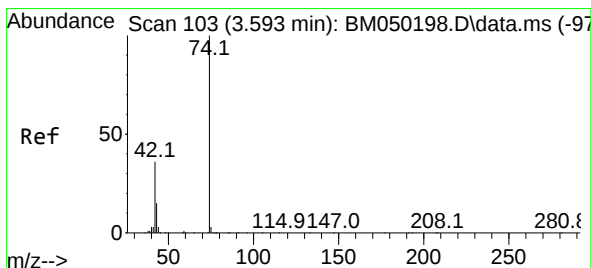
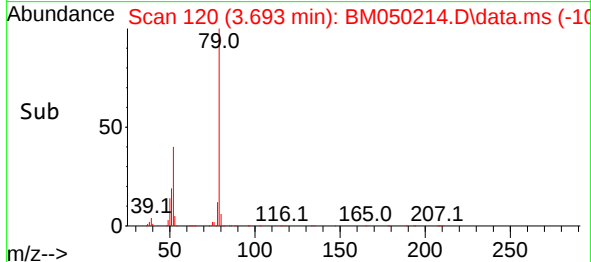
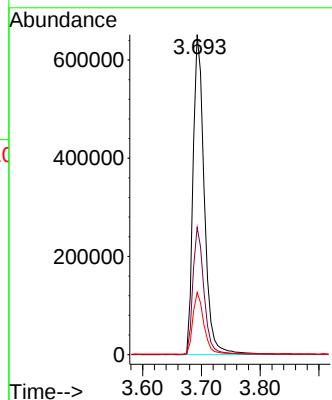
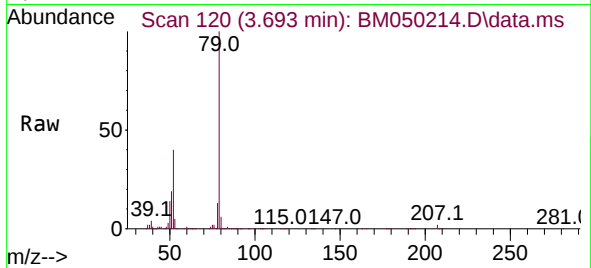




#3
Pyridine
Concen: 36.752 ng
RT: 3.693 min Scan# 11
Delta R.T. 0.012 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

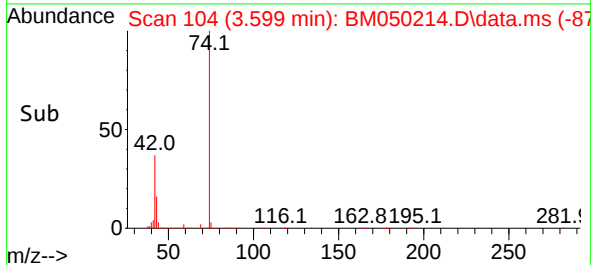
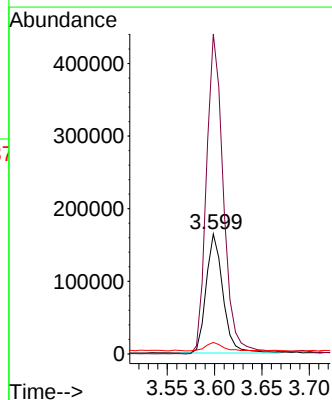
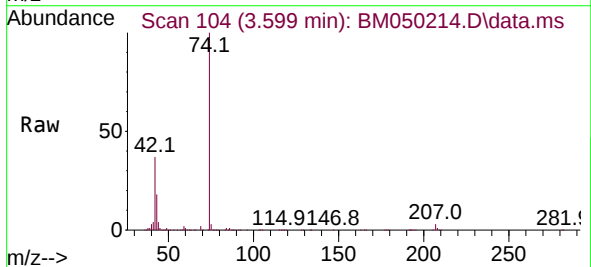
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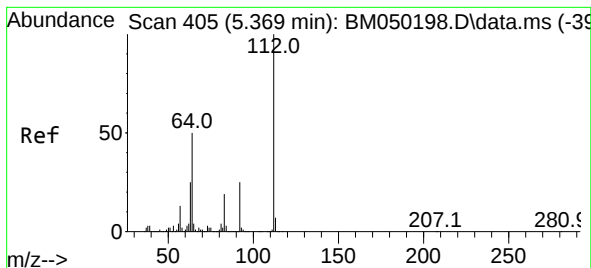
Tgt Ion: 79 Resp: 867026
Ion Ratio Lower Upper
79 100
52 39.8 32.1 48.1
51 19.4 15.4 23.0



#4
n-Nitrosodimethylamine
Concen: 41.678 ng
RT: 3.599 min Scan# 104
Delta R.T. -0.000 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion: 42 Resp: 203319
Ion Ratio Lower Upper
42 100
74 267.0 222.0 333.0
44 9.5 7.0 10.6





#5

2-Fluorophenol

Concen: 124.330 ng

RT: 5.375 min Scan# 405

Delta R.T. -0.000 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

Instrument :

BNA_M

ClientSampleId :

COMP-12MSD

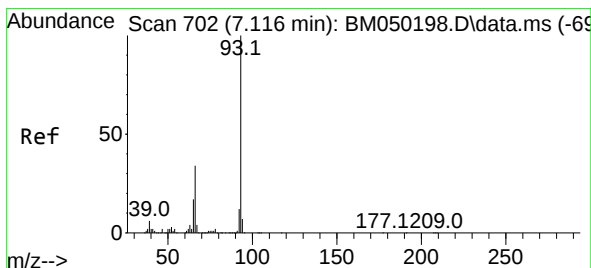
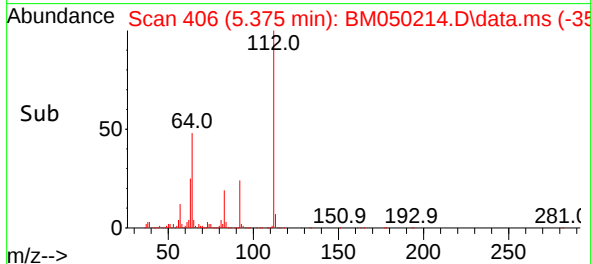
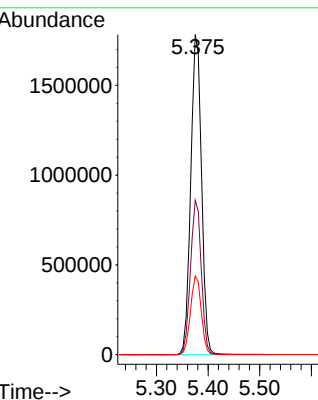
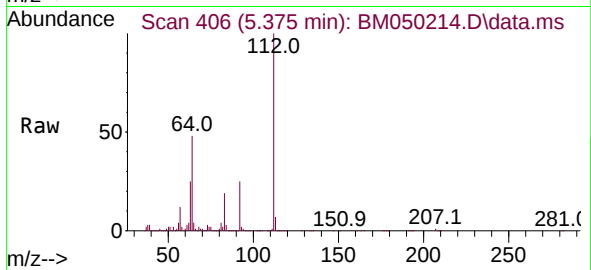
Tgt Ion:112 Resp: 2583874

Ion Ratio Lower Upper

112 100

64 48.2 39.8 59.6

63 24.6 19.8 29.8



#6

Aniline

Concen: 19.612 ng

RT: 7.116 min Scan# 702

Delta R.T. -0.006 min

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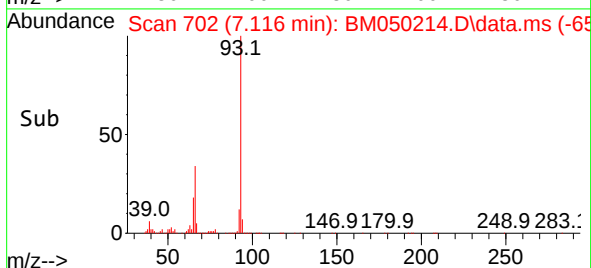
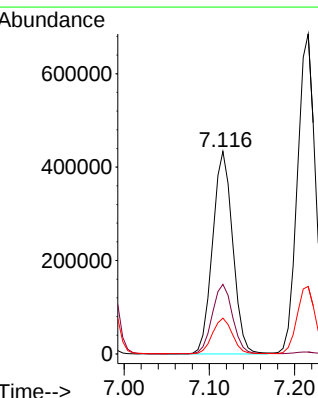
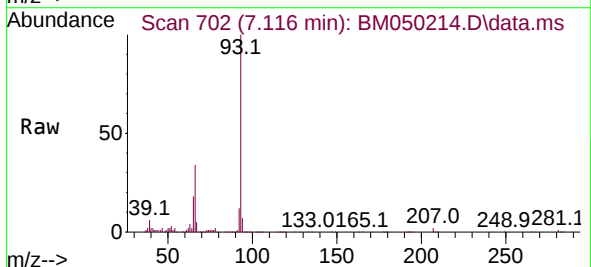
Tgt Ion: 93 Resp: 709317

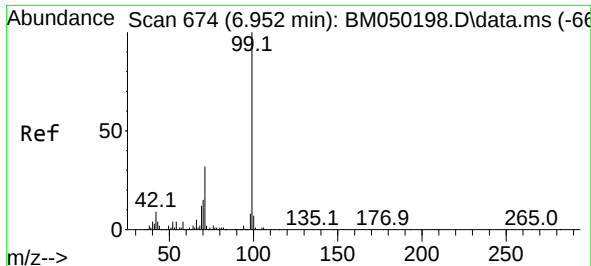
Ion Ratio Lower Upper

93 100

66 34.4 27.4 41.2

65 17.7 13.6 20.4

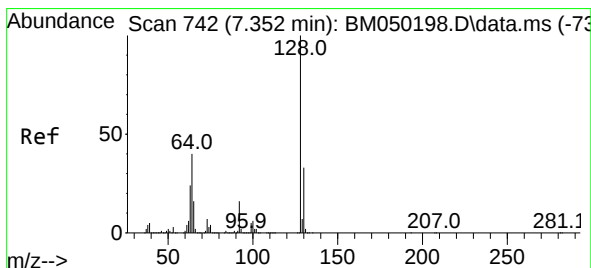
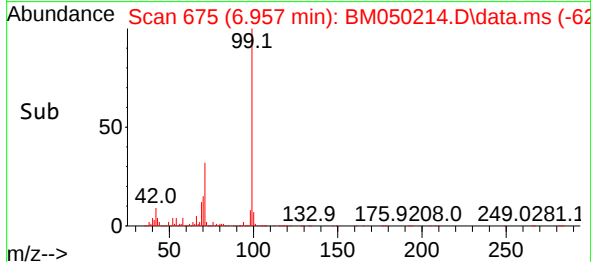
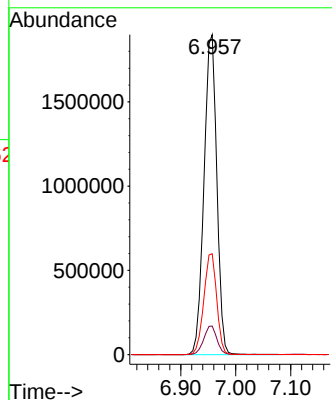
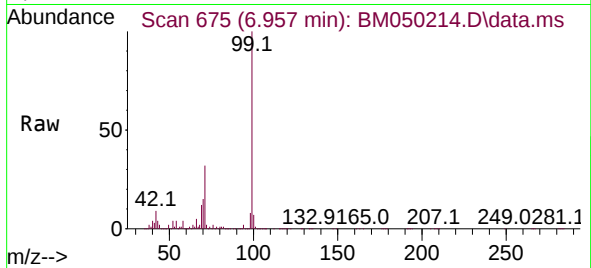




#7
Phenol-d6
Concen: 112.129 ng
RT: 6.957 min Scan# 61
Delta R.T. -0.000 min
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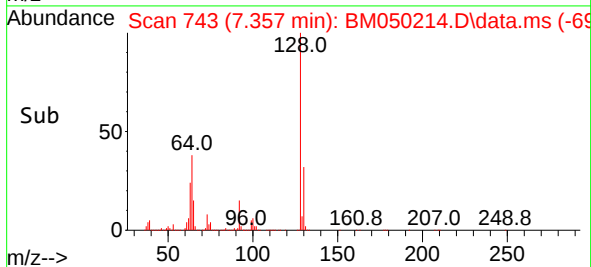
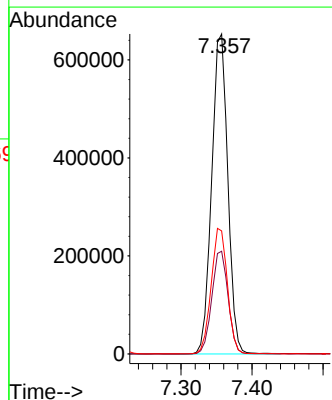
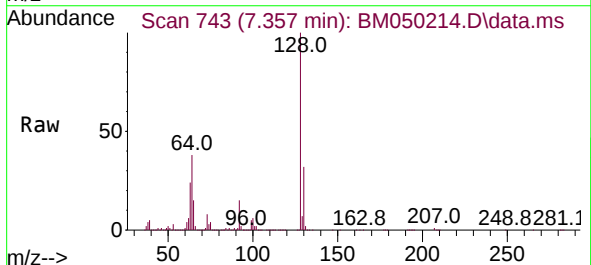
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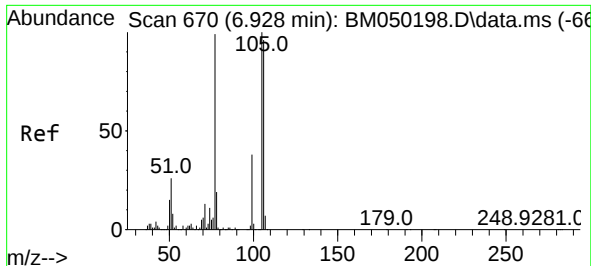
Tgt Ion: 99 Resp: 3067628
Ion Ratio Lower Upper
99 100
42 9.0 6.9 10.3
71 31.5 25.3 37.9



#8
2-Chlorophenol
Concen: 44.977 ng
RT: 7.357 min Scan# 743
Delta R.T. -0.000 min
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Tgt Ion: 128 Resp: 1028153
Ion Ratio Lower Upper
128 100
130 32.1 12.6 52.6
64 38.4 19.8 59.8

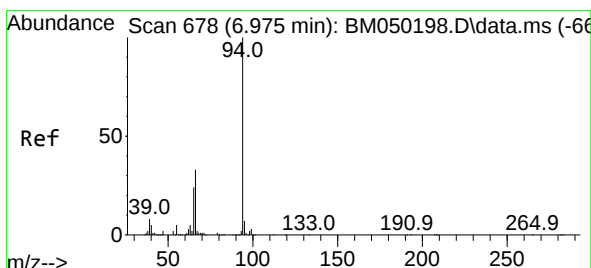
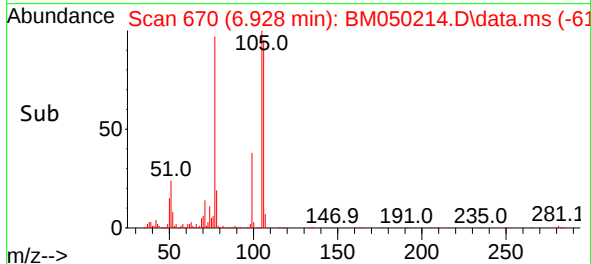
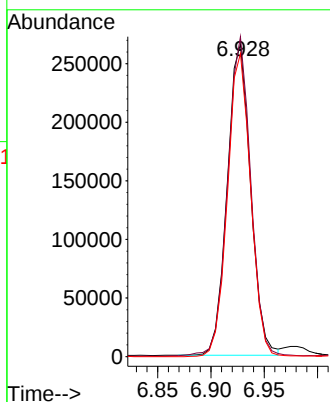
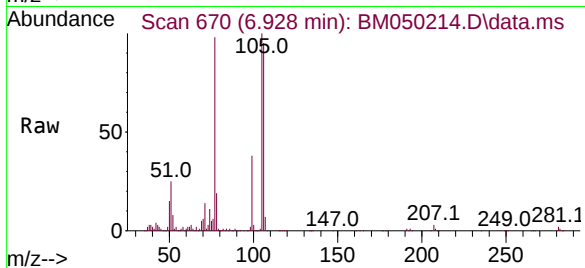




#9
Benzaldehyde
Concen: 23.331 ng
RT: 6.928 min Scan# 61
Delta R.T. -0.000 min
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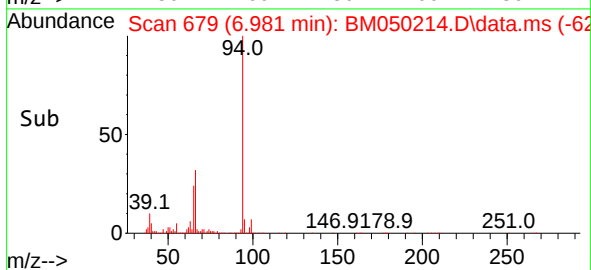
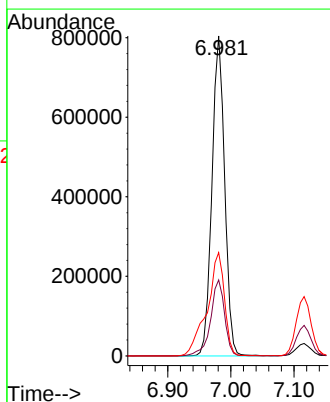
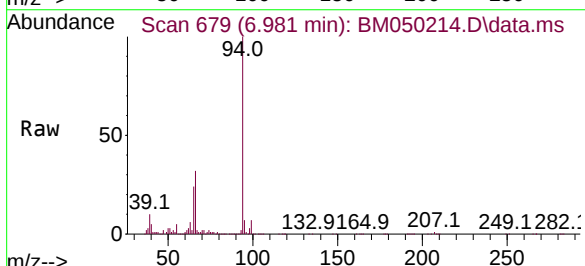
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

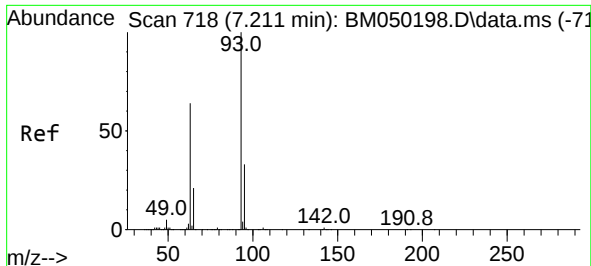
Tgt Ion: 77 Resp: 405818
Ion Ratio Lower Upper
77 100
105 102.4 80.9 120.9
106 97.0 77.1 117.1



#10
Phenol
Concen: 38.955 ng
RT: 6.981 min Scan# 679
Delta R.T. -0.000 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion: 94 Resp: 1127607
Ion Ratio Lower Upper
94 100
65 23.7 4.3 44.3
66 32.3 12.9 52.9

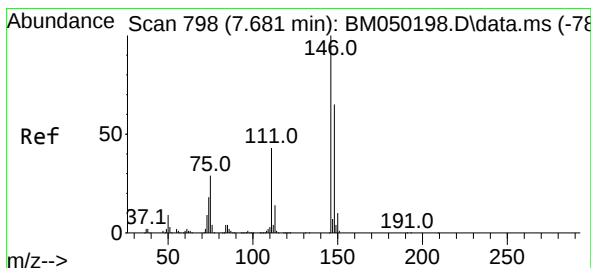
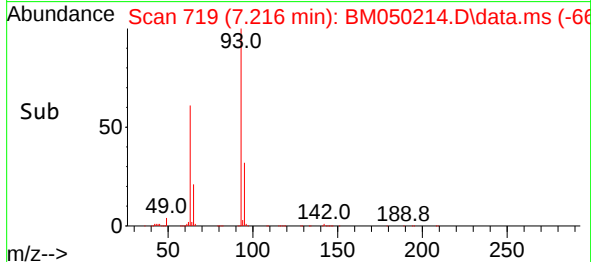
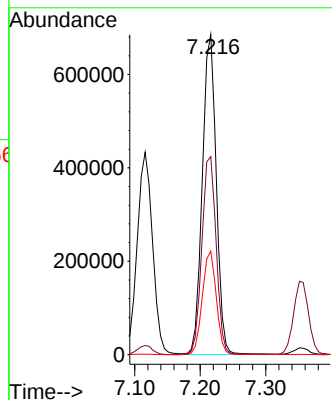
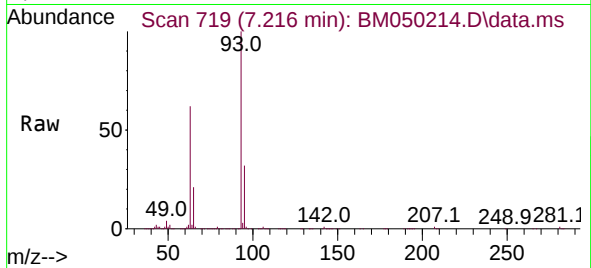




#11
bis(2-Chloroethyl)ether
Concen: 43.240 ng
RT: 7.216 min Scan# 718
Delta R.T. -0.000 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

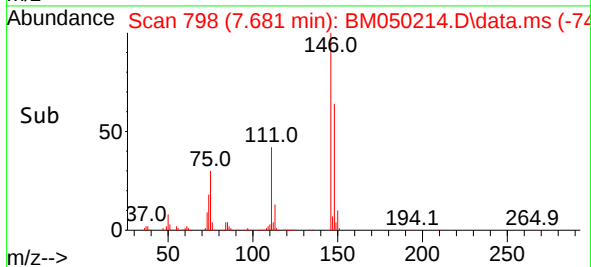
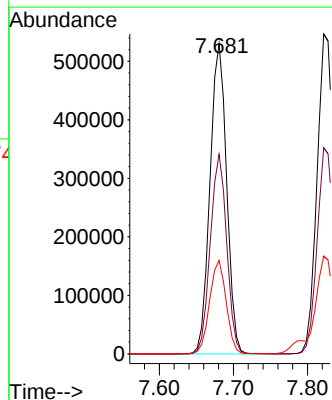
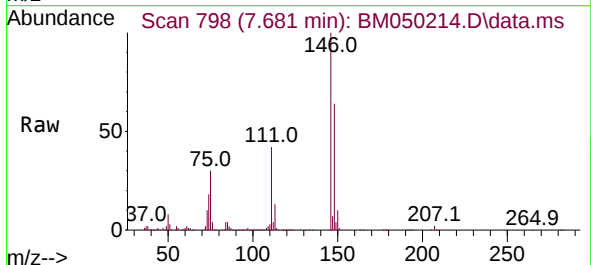
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

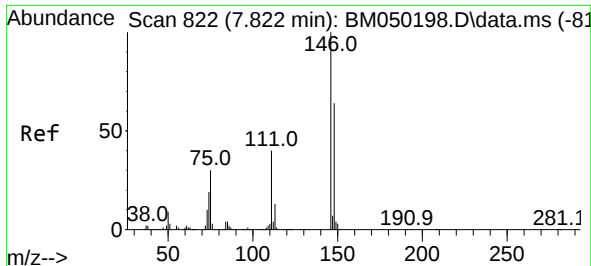
Tgt Ion: 93 Resp: 1006752
Ion Ratio Lower Upper
93 100
63 61.9 43.9 83.9
95 32.3 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 32.303 ng
RT: 7.681 min Scan# 798
Delta R.T. -0.000 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion:146 Resp: 825524
Ion Ratio Lower Upper
146 100
148 64.4 51.9 77.9
75 30.1 23.4 35.0

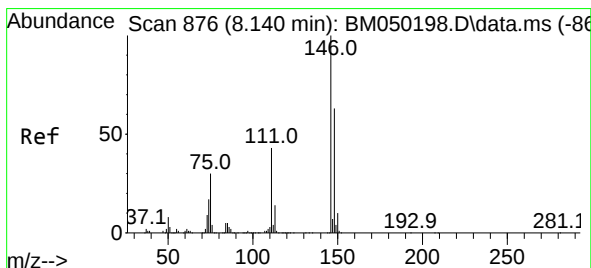
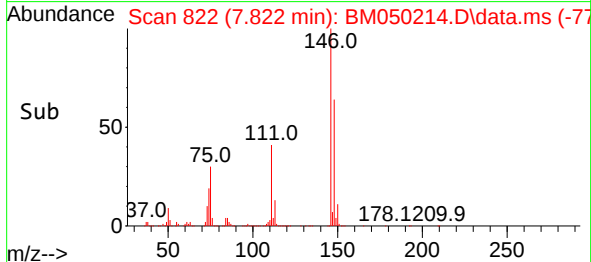
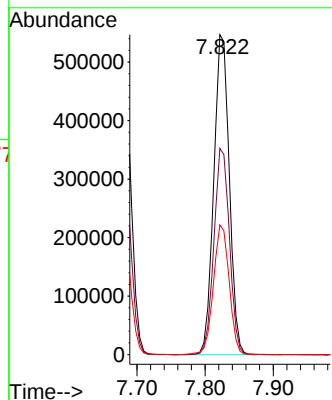
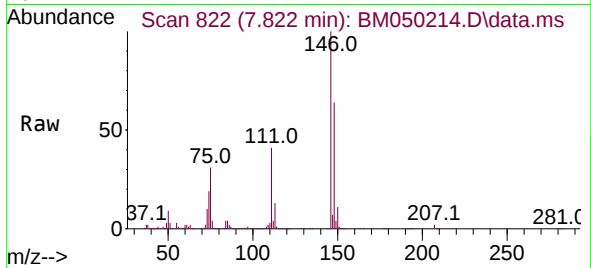




#13
1,4-Dichlorobenzene
Concen: 32.336 ng
RT: 7.822 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

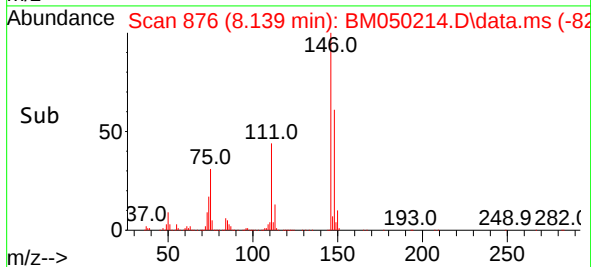
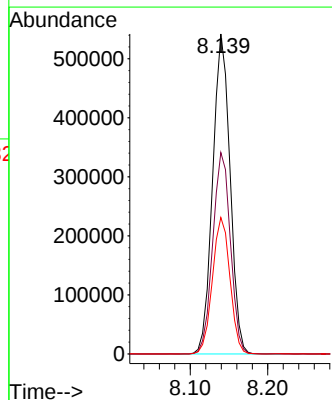
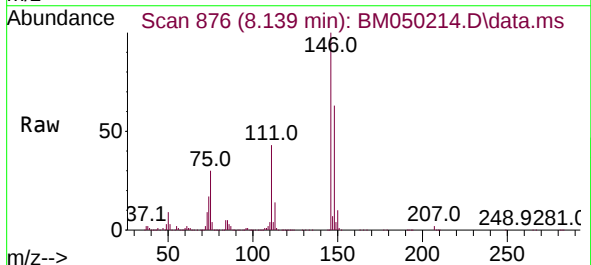
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

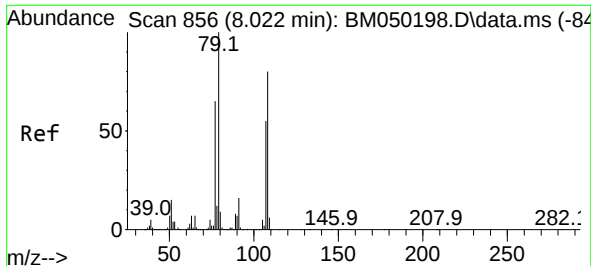
Tgt Ion:146 Resp: 859791
Ion Ratio Lower Upper
146 100
148 64.4 51.4 77.0
111 40.5 32.3 48.5



#14
1,2-Dichlorobenzene
Concen: 33.299 ng
RT: 8.139 min Scan# 876
Delta R.T. -0.000 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion:146 Resp: 844067
Ion Ratio Lower Upper
146 100
148 62.9 50.4 75.6
111 42.6 34.3 51.5

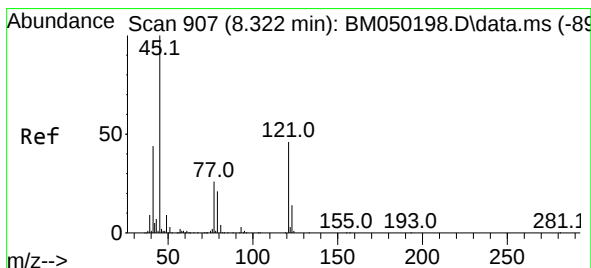
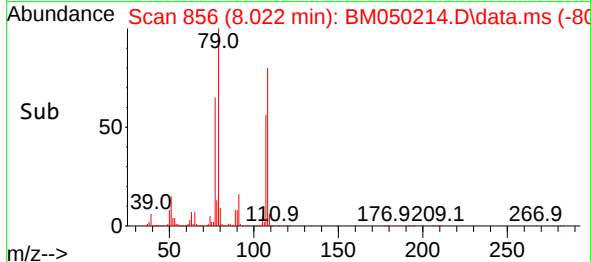
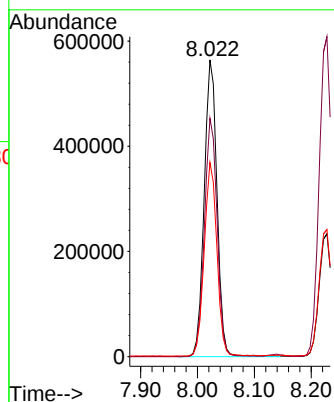
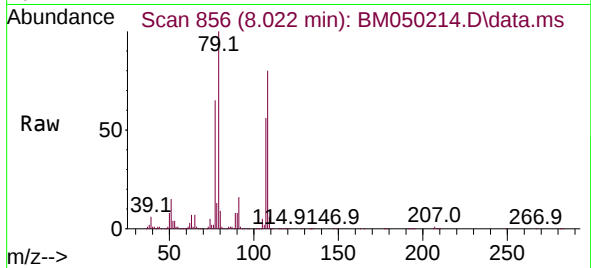




#15
Benzyl Alcohol
Concen: 45.176 ng
RT: 8.022 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

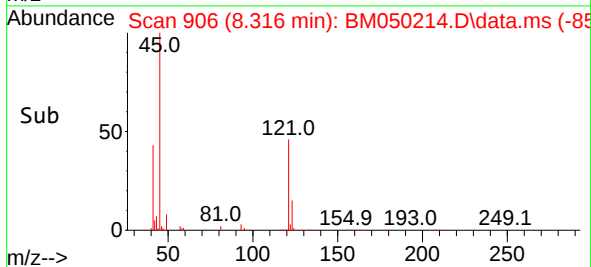
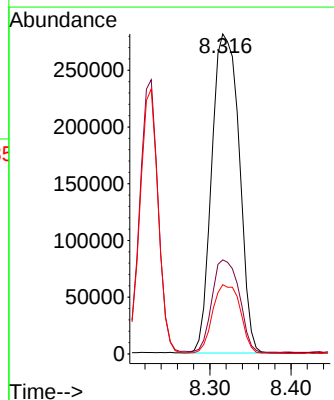
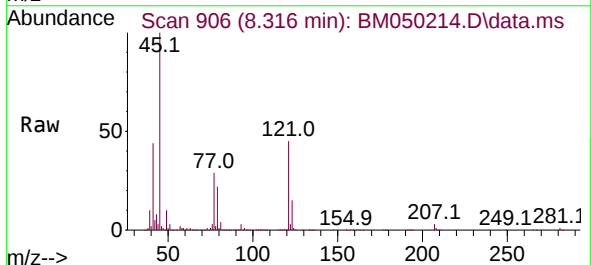
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

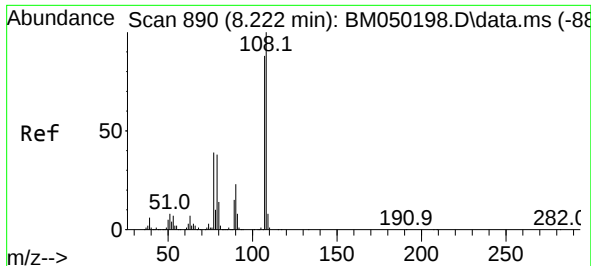
Tgt Ion: 79 Resp: 881513
Ion Ratio Lower Upper
79 100
108 80.3 64.0 96.0
77 65.4 52.2 78.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.769 ng
RT: 8.316 min Scan# 906
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion: 45 Resp: 659390
Ion Ratio Lower Upper
45 100
77 29.4 8.7 48.7
79 21.6 2.7 42.7

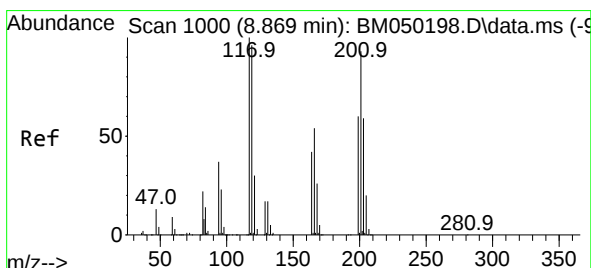
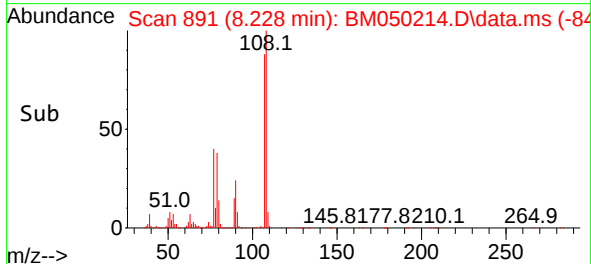
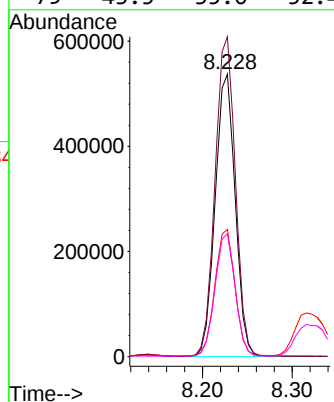
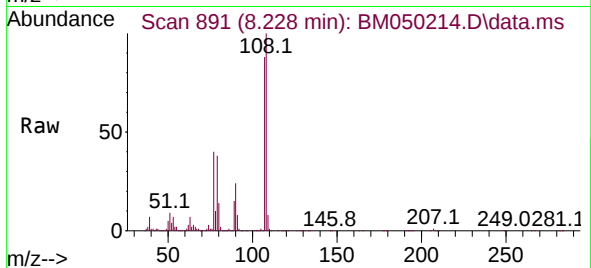




#17
2-Methylphenol
Concen: 43.681 ng
RT: 8.228 min Scan# 890
Delta R.T. -0.000 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

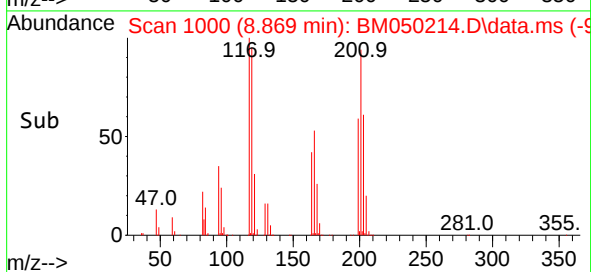
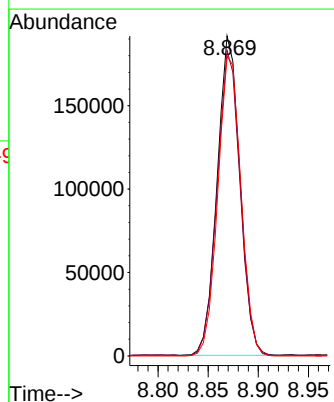
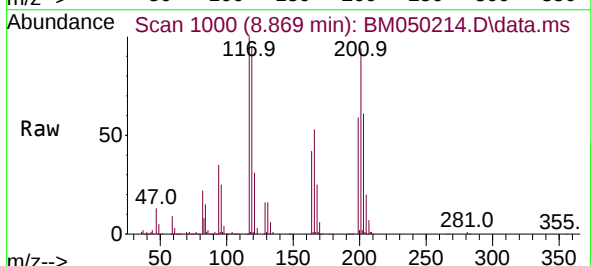
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

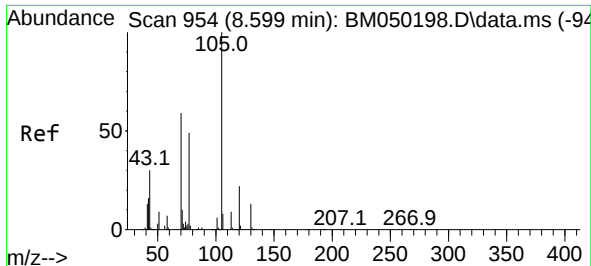
Tgt Ion:	107	Resp:	834273
Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.8	136.2
77	45.0	35.7	53.5
79	43.5	35.0	52.4



#18
Hexachloroethane
Concen: 31.507 ng
RT: 8.869 min Scan# 1000
Delta R.T. -0.000 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion:	117	Resp:	303389
Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.0	115.6
201	93.6	74.6	111.8

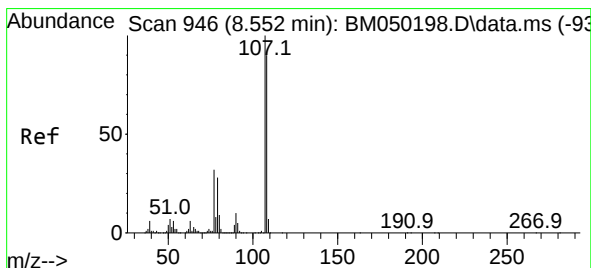
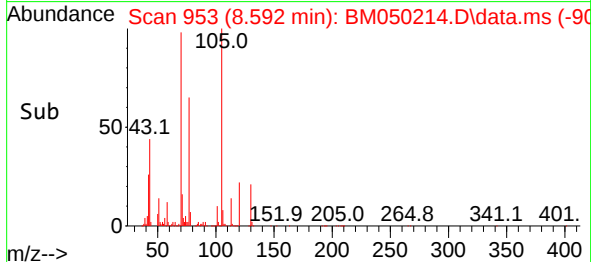
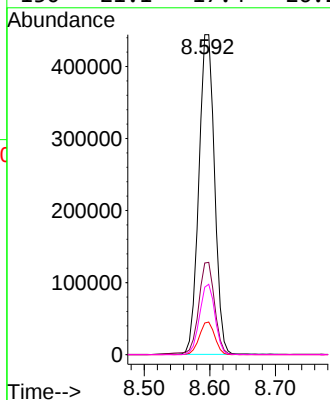
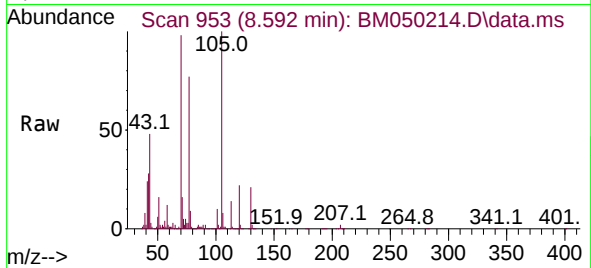




#19
n-Nitroso-di-n-propylamine
Concen: 43.824 ng
RT: 8.592 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

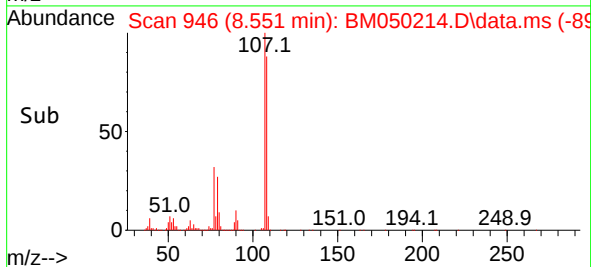
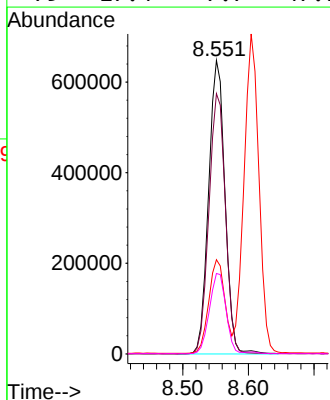
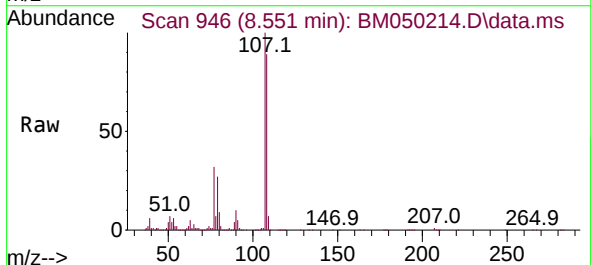
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

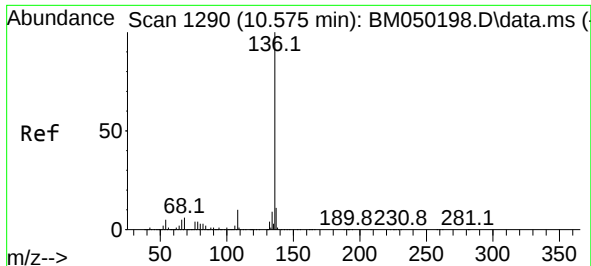
Tgt Ion: 70 Resp: 733685
Ion Ratio Lower Upper
70 100
42 28.6 22.6 33.8
101 9.9 8.3 12.5
130 21.1 17.4 26.2



#20
3+4-Methylphenols
Concen: 43.917 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion: 107 Resp: 1122208
Ion Ratio Lower Upper
107 100
108 88.6 70.4 110.4
77 32.1 12.2 52.2
79 27.4 7.7 47.7

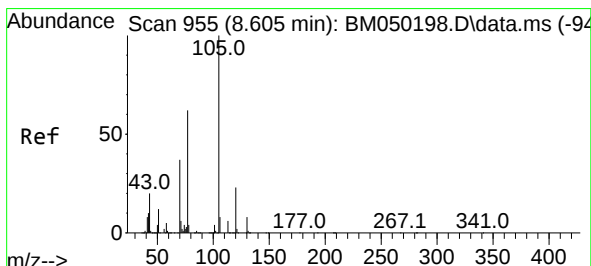
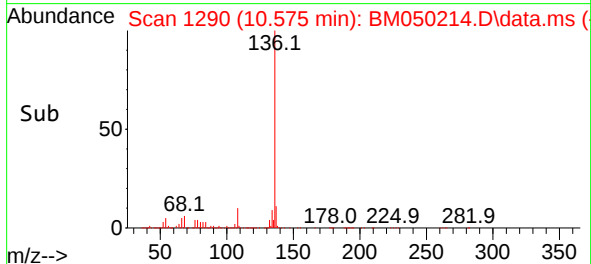
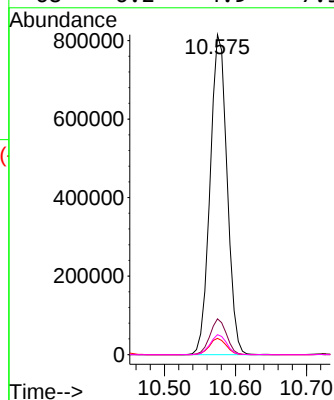
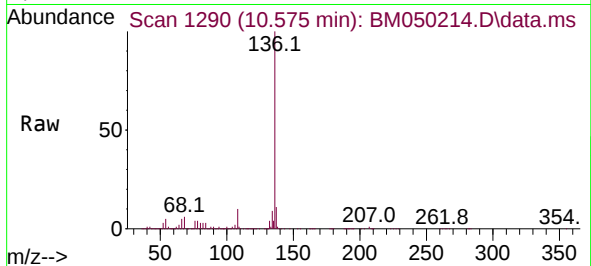




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

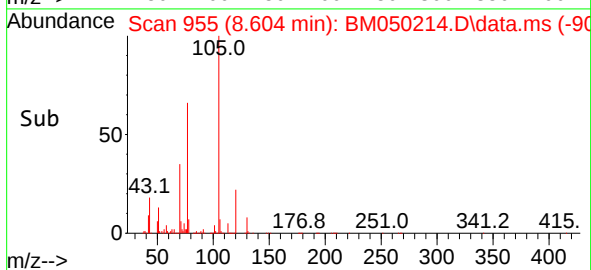
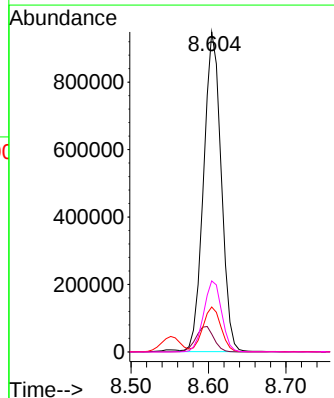
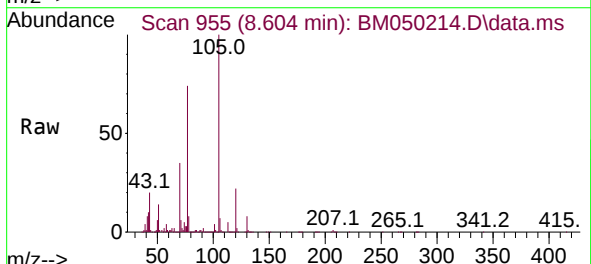
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

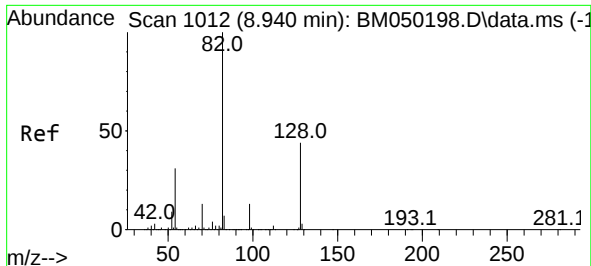
Tgt Ion:136 Resp: 1352850
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 5.1 3.8 5.8
68 6.2 4.9 7.3



#22
Acetophenone
Concen: 44.268 ng
RT: 8.604 min Scan# 955
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion:105 Resp: 1496170
Ion Ratio Lower Upper
105 100
71 5.6 5.0 7.4
51 14.0 11.4 17.2
120 22.2 18.2 27.4

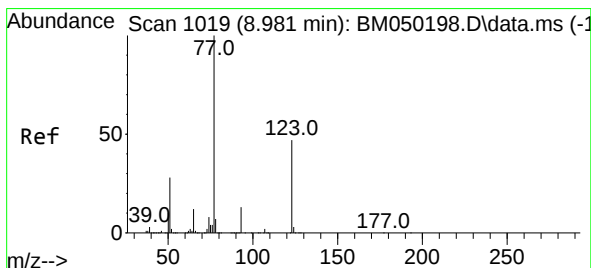
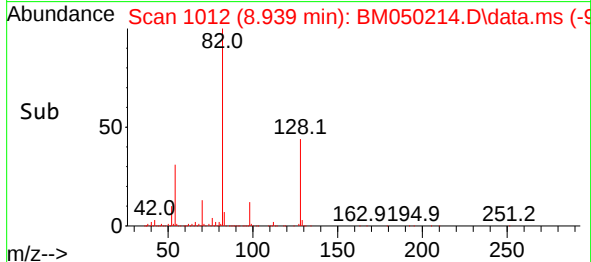
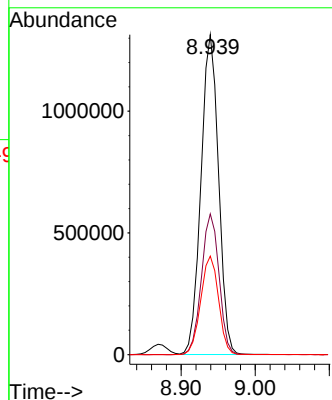
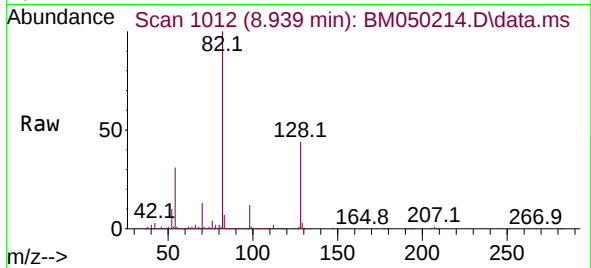




#23
Nitrobenzene-d5
Concen: 83.152 ng
RT: 8.939 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

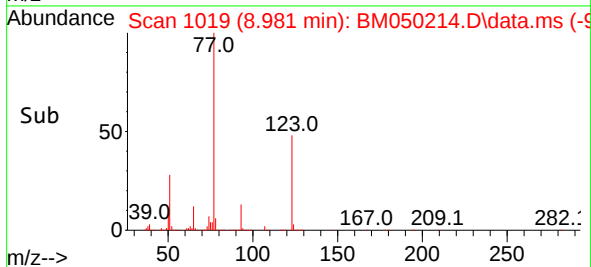
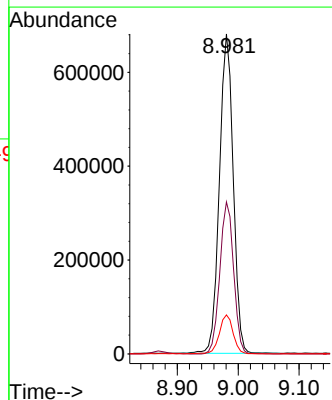
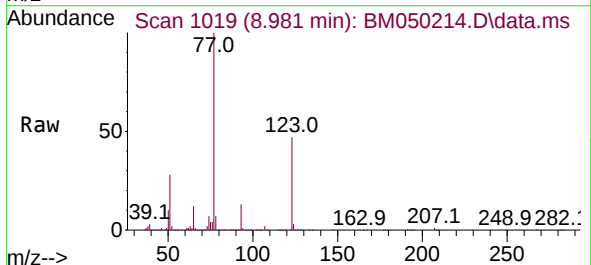
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

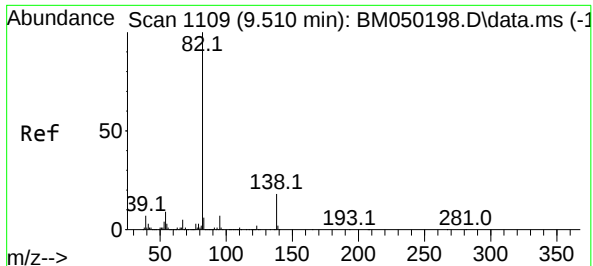
Tgt Ion: 82 Resp: 2162975
Ion Ratio Lower Upper
82 100
128 44.0 35.2 52.8
54 30.8 24.5 36.7



#24
Nitrobenzene
Concen: 45.343 ng
RT: 8.981 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion: 77 Resp: 1072701
Ion Ratio Lower Upper
77 100
123 47.5 38.2 57.2
65 12.2 9.5 14.3

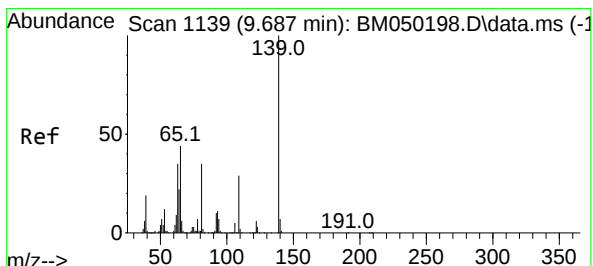
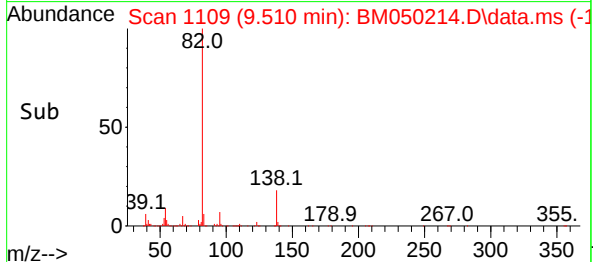
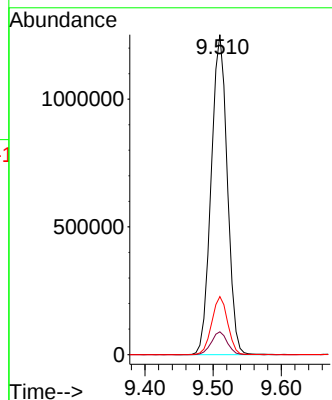
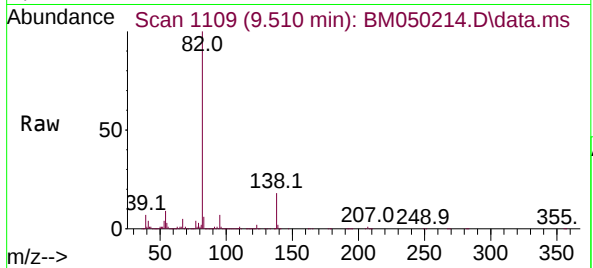




#25
Isophorone
Concen: 45.705 ng
RT: 9.510 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

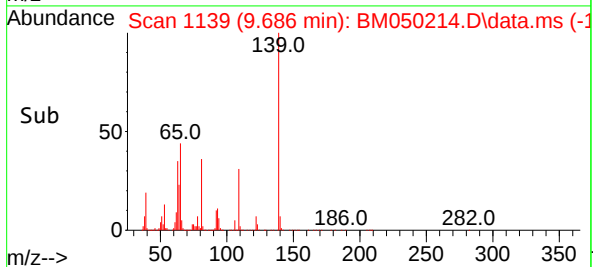
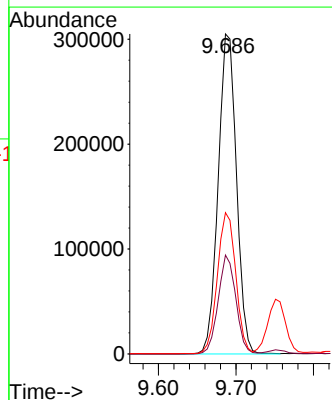
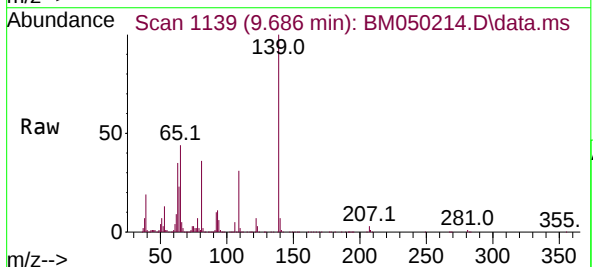
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

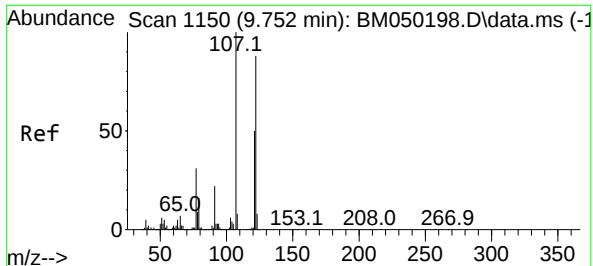
Tgt Ion: 82 Resp: 2052018
Ion Ratio Lower Upper
82 100
95 7.1 5.7 8.5
138 18.1 14.2 21.2



#26
2-Nitrophenol
Concen: 48.969 ng
RT: 9.686 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion:139 Resp: 500076
Ion Ratio Lower Upper
139 100
109 30.9 23.3 34.9
65 44.1 35.2 52.8





#27

2,4-Dimethylphenol

Concen: 45.742 ng

RT: 9.751 min Scan# 1150

Delta R.T. -0.006 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

Instrument :

BNA_M

ClientSampleId :

COMP-12MSD

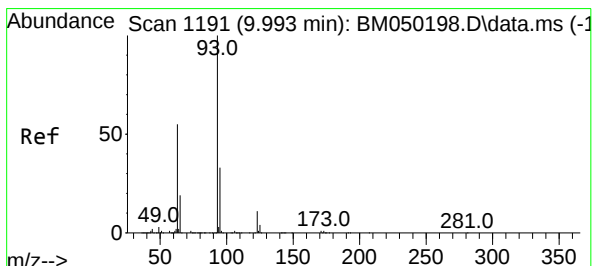
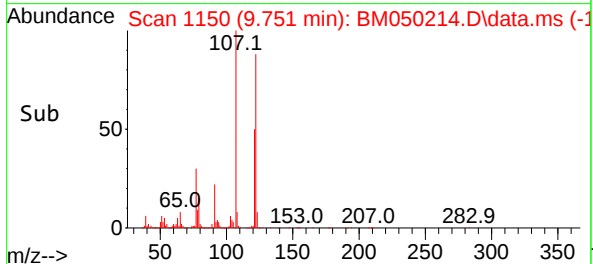
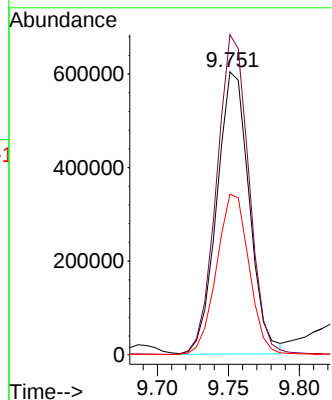
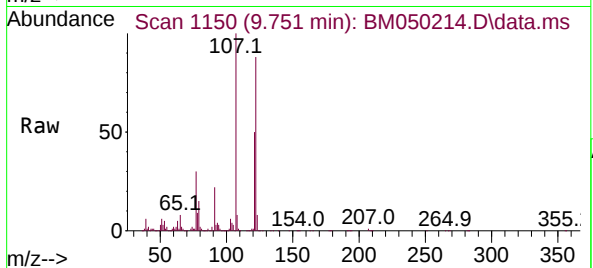
Tgt Ion:122 Resp: 959785

Ion Ratio Lower Upper

122 100

107 113.2 91.0 136.6

121 56.8 45.8 68.6



#28

bis(2-Chloroethoxy)methane

Concen: 45.643 ng

RT: 9.992 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

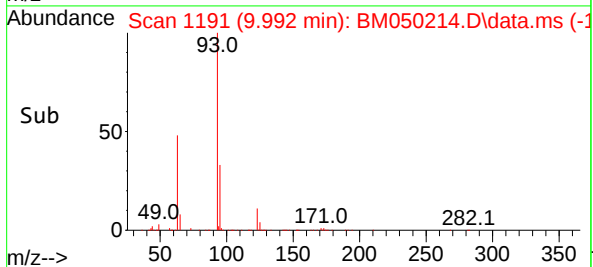
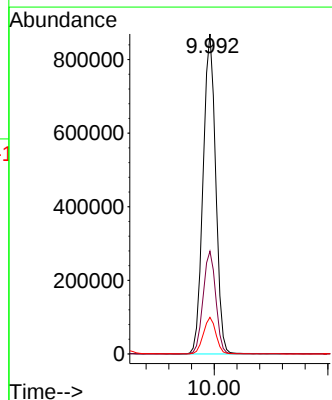
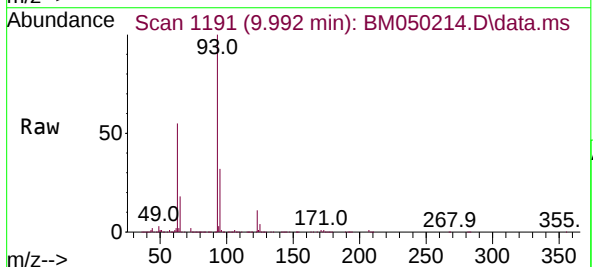
Tgt Ion: 93 Resp: 1338710

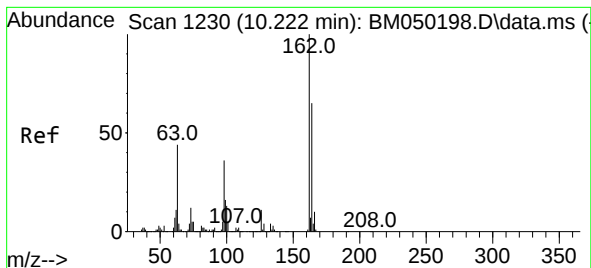
Ion Ratio Lower Upper

93 100

95 32.1 26.2 39.4

123 11.4 8.9 13.3

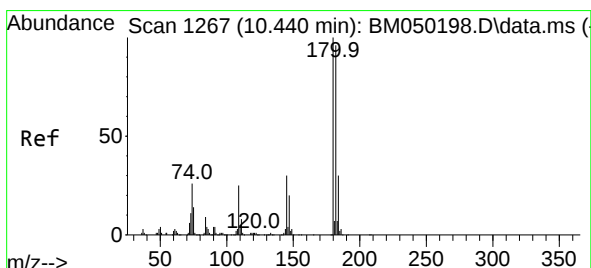
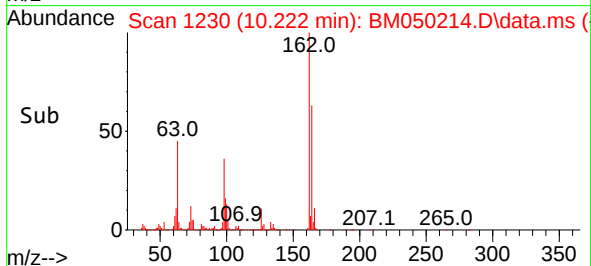
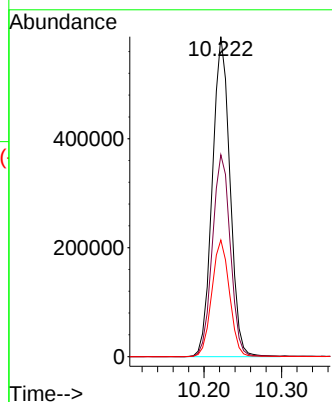
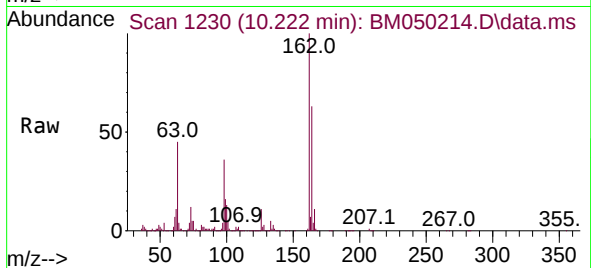




#29
2,4-Dichlorophenol
Concen: 47.815 ng
RT: 10.222 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

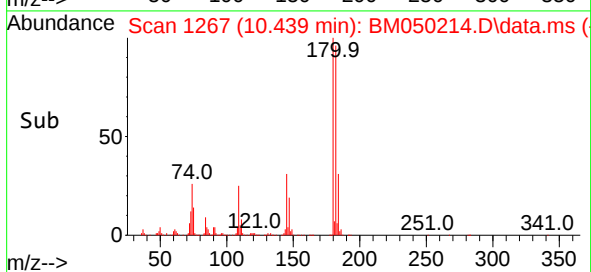
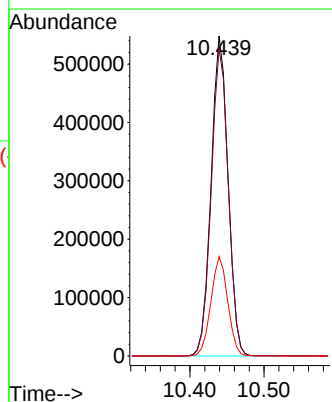
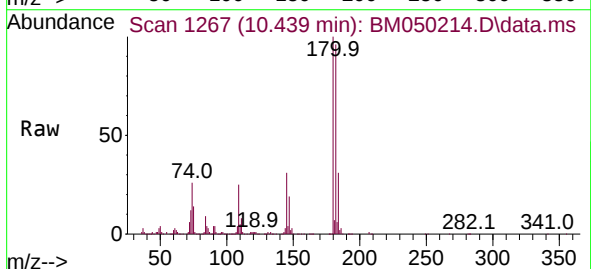
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

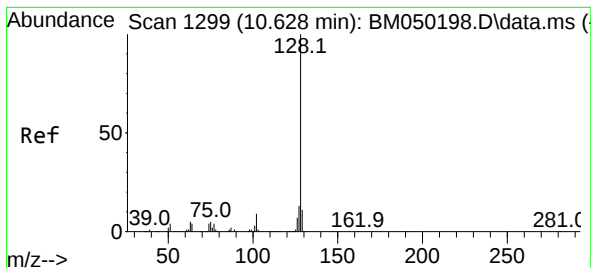
Tgt Ion:162 Resp: 928425
Ion Ratio Lower Upper
162 100
164 63.1 45.0 85.0
98 36.4 16.3 56.3



#30
1,2,4-Trichlorobenzene
Concen: 40.295 ng
RT: 10.439 min Scan# 1267
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion:180 Resp: 870660
Ion Ratio Lower Upper
180 100
182 96.1 76.6 114.8
145 31.0 24.2 36.4

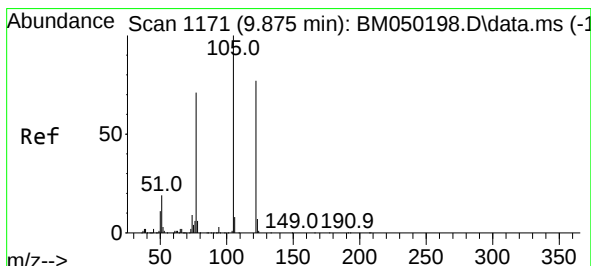
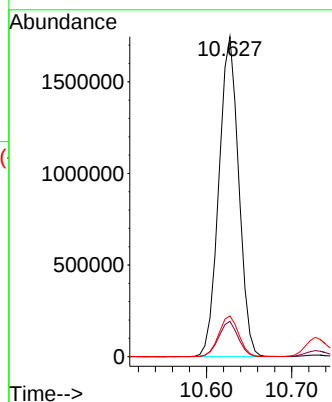
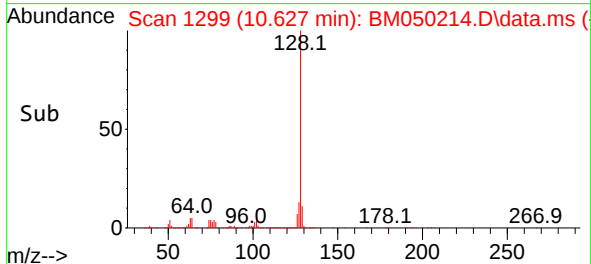
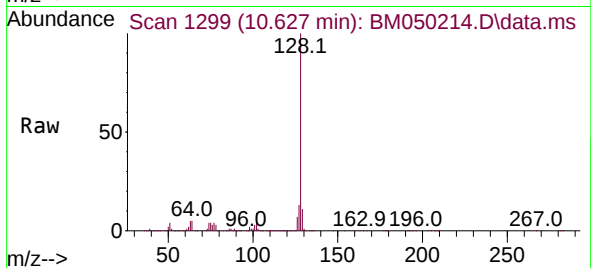




#31
Naphthalene
Concen: 40.287 ng
RT: 10.627 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

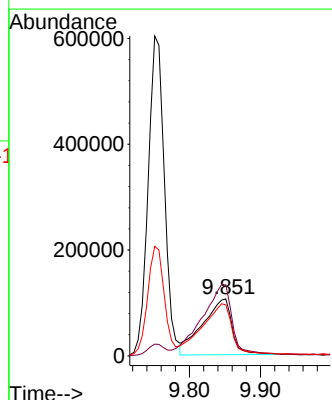
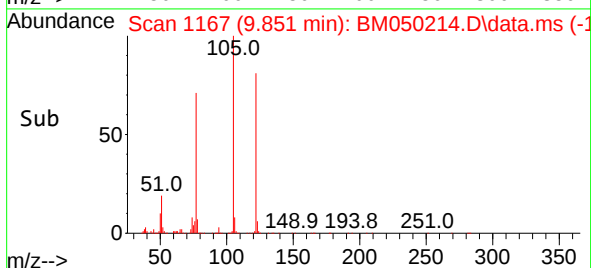
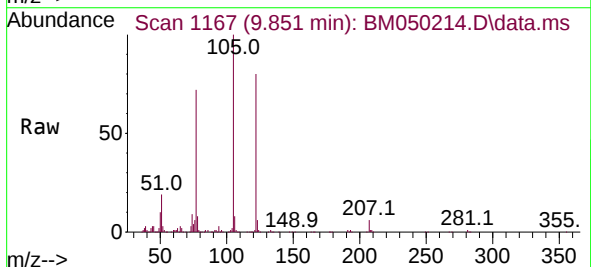
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

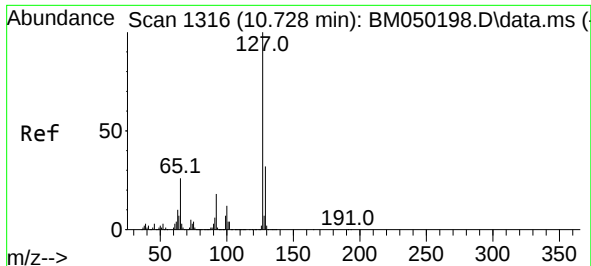
Tgt Ion:128 Resp: 2817903
Ion Ratio Lower Upper
128 100
129 11.0 8.6 12.8
127 12.7 10.2 15.4



#32
Benzoic acid
Concen: 23.269 ng
RT: 9.851 min Scan# 1167
Delta R.T. -0.065 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion:122 Resp: 306831
Ion Ratio Lower Upper
122 100
105 124.2 103.4 143.4
77 89.6 70.3 110.3

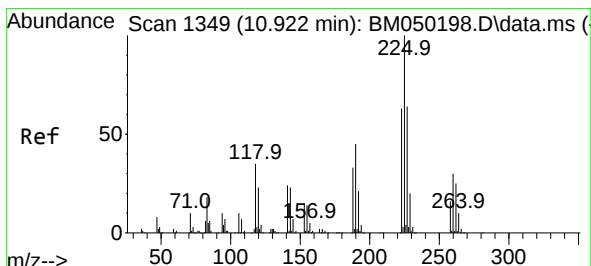
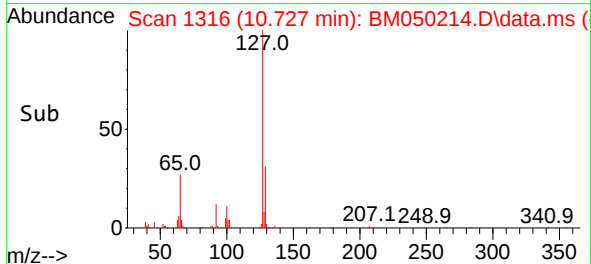
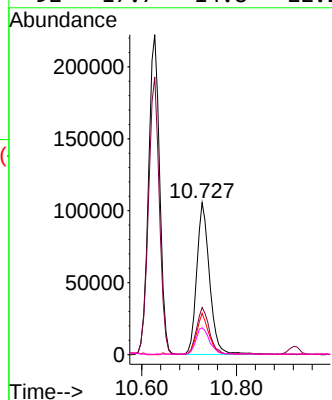
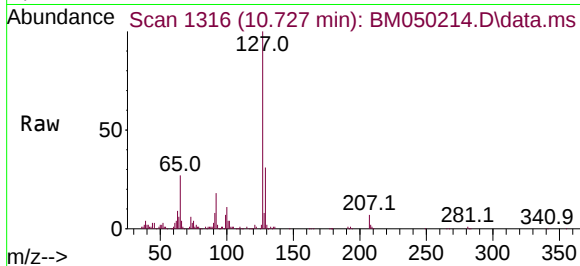




#33
4-Chloroaniline
Concen: 6.669 ng
RT: 10.727 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

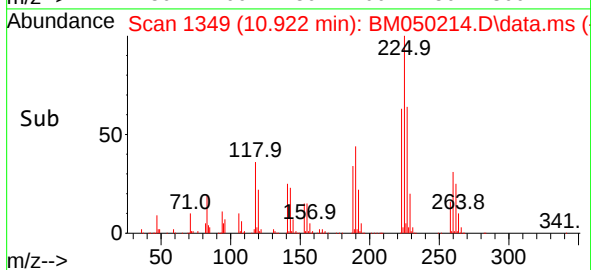
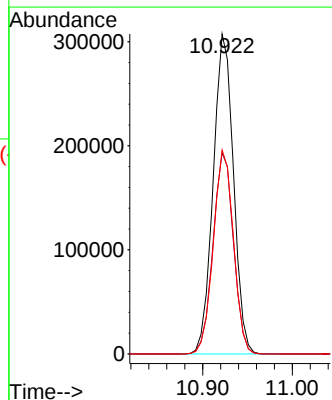
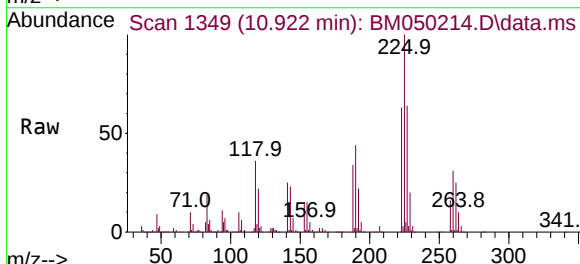
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

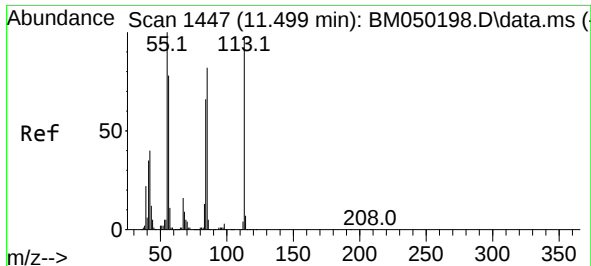
Tgt Ion:	127	Resp:	198866
Ion	Ratio	Lower	Upper
127	100		
129	31.0	25.4	38.0
65	27.2	21.0	31.4
92	17.7	14.8	22.2



#34
Hexachlorobutadiene
Concen: 37.597 ng
RT: 10.922 min Scan# 1349
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion:	225	Resp:	483210
Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.2	75.2
227	63.7	51.0	76.4

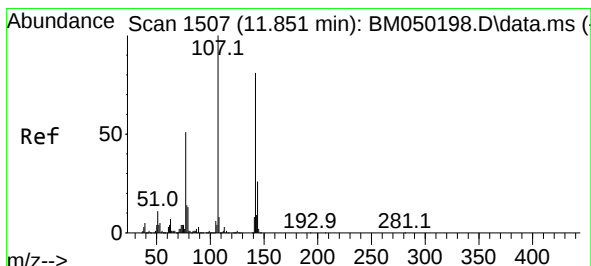
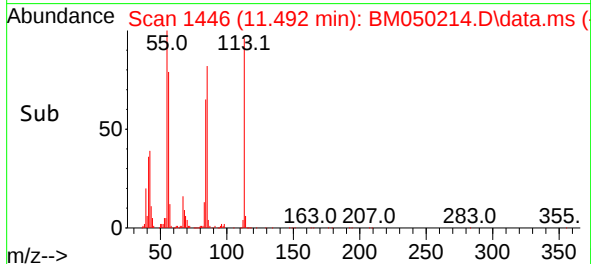
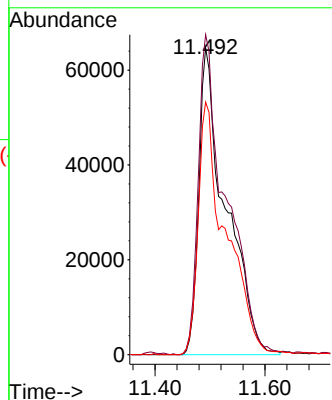
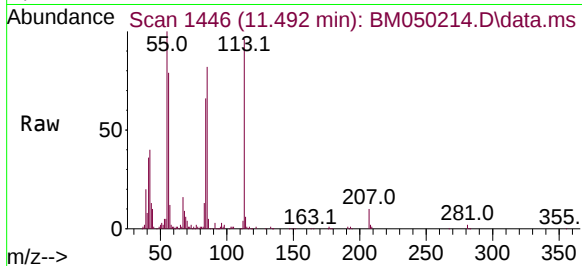




#35
Caprolactam
Concen: 35.541 ng
RT: 11.492 min Scan# 1447
Delta R.T. -0.030 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

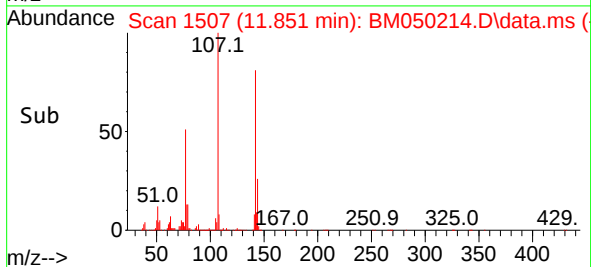
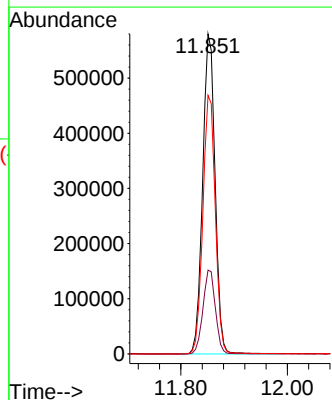
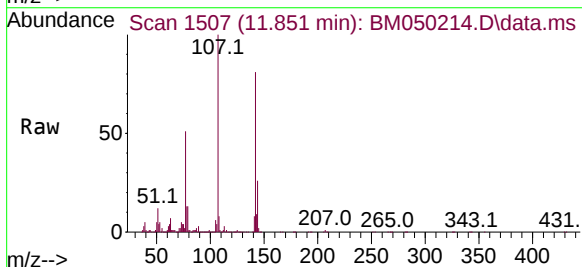
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

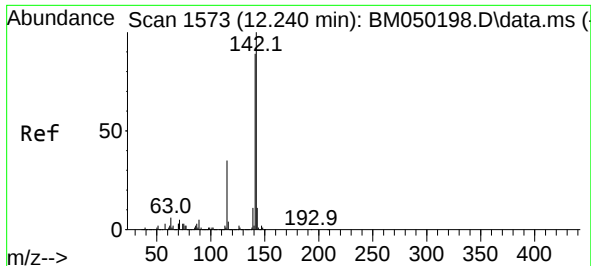
Tgt Ion:113 Resp: 218784
Ion Ratio Lower Upper
113 100
55 104.4 83.5 123.5
56 82.4 60.6 100.6



#36
4-Chloro-3-methylphenol
Concen: 45.241 ng
RT: 11.851 min Scan# 1507
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion:107 Resp: 937360
Ion Ratio Lower Upper
107 100
144 26.2 21.0 31.6
142 80.8 64.8 97.2

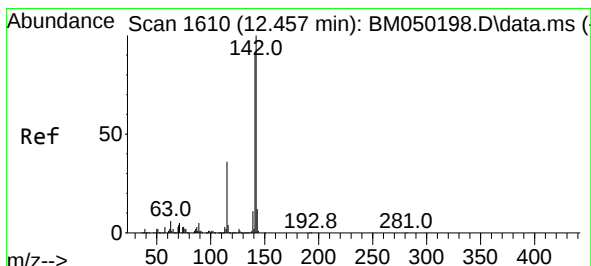
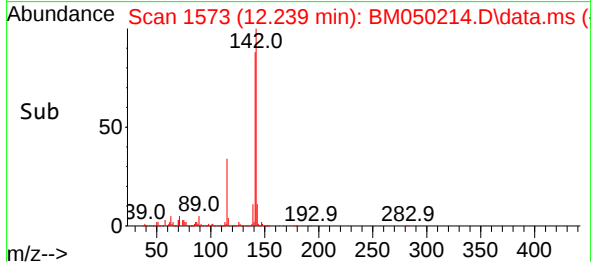
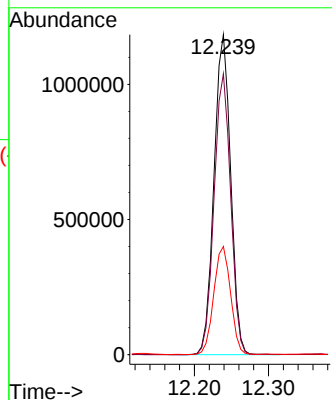
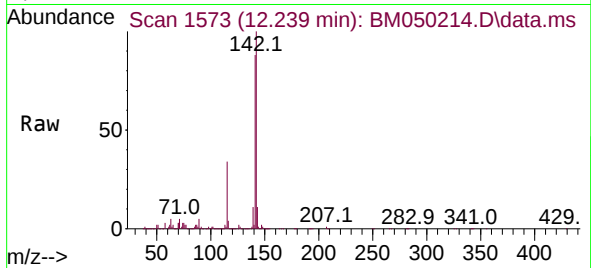




#37
2-Methylnaphthalene
Concen: 43.871 ng
RT: 12.239 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

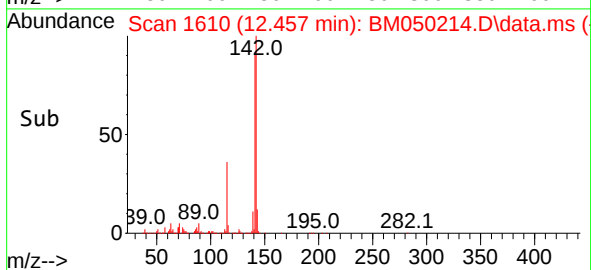
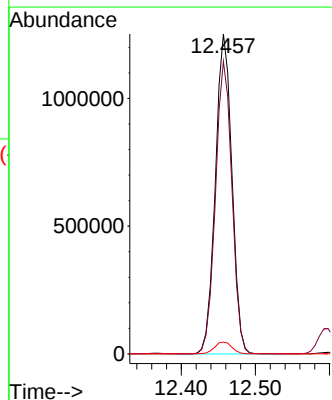
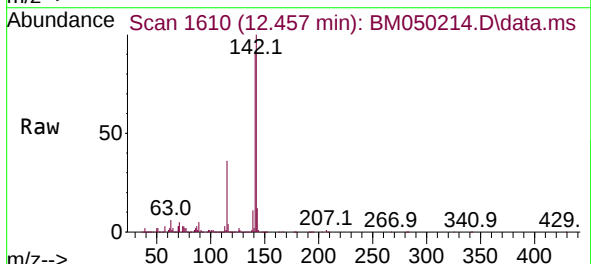
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

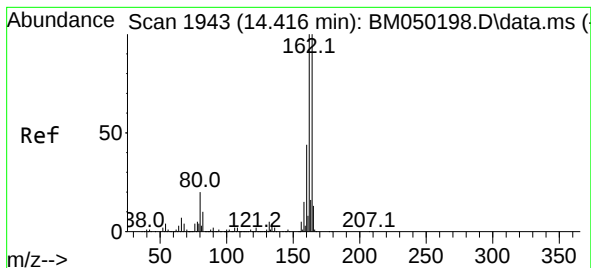
Tgt Ion:142 Resp: 1851170
Ion Ratio Lower Upper
142 100
141 87.7 71.5 107.3
115 33.8 27.8 41.8



#38
1-Methylnaphthalene
Concen: 43.312 ng
RT: 12.457 min Scan# 1610
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion:142 Resp: 1939756
Ion Ratio Lower Upper
142 100
141 91.4 72.9 109.3
116 3.7 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.415 min Scan# 1943

Delta R.T. -0.000 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

Instrument :

BNA_M

ClientSampleId :

COMP-12MSD

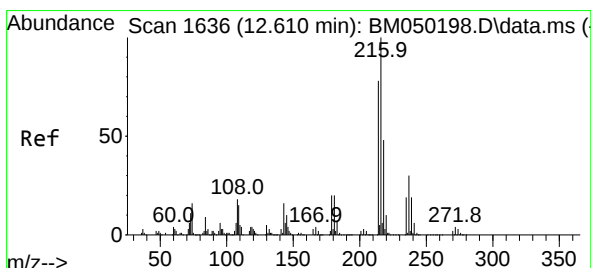
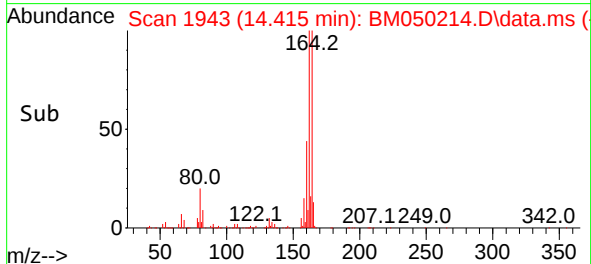
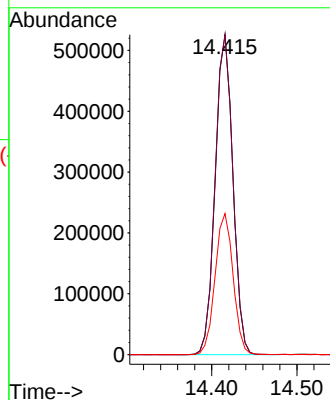
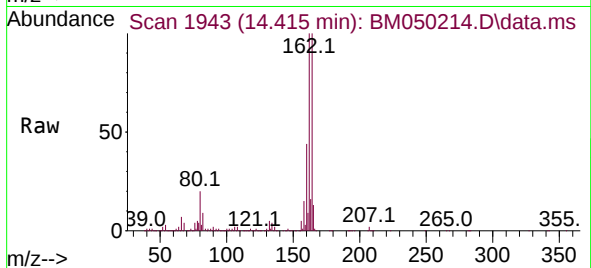
Tgt Ion:164 Resp: 758249

Ion Ratio Lower Upper

164 100

162 99.8 80.2 120.4

160 44.1 35.7 53.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.467 ng

RT: 12.610 min Scan# 1636

Delta R.T. -0.000 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

Tgt Ion:216 Resp: 1017405

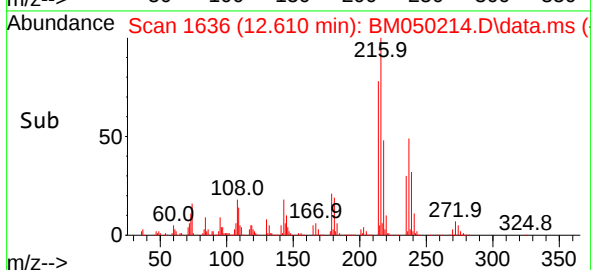
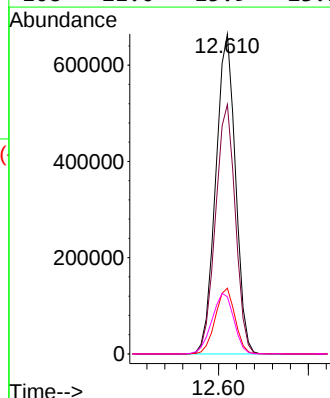
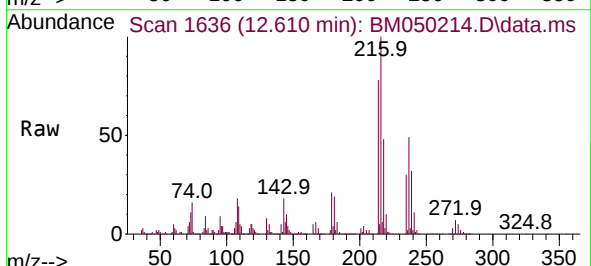
Ion Ratio Lower Upper

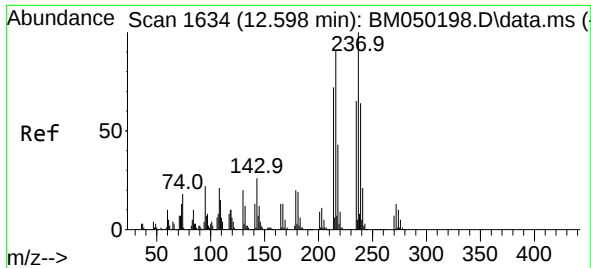
216 100

214 78.1 63.0 94.4

179 20.3 16.6 25.0

108 21.0 15.9 23.9

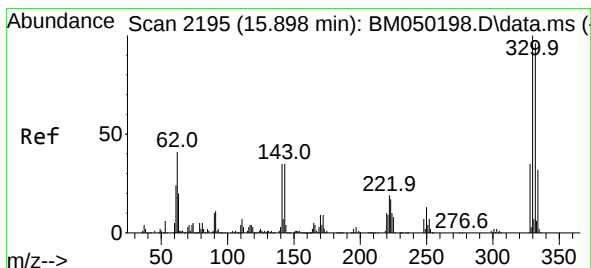
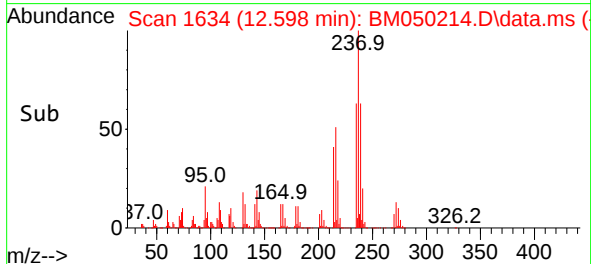
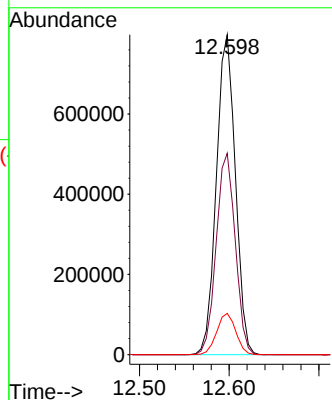
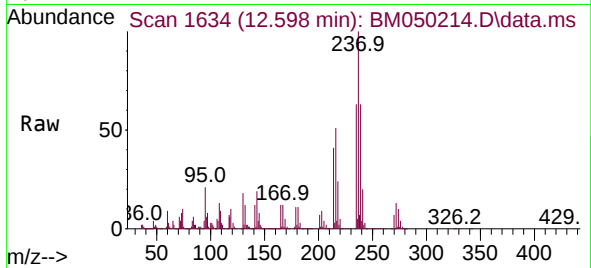




#41
Hexachlorocyclopentadiene
Concen: 88.739 ng
RT: 12.598 min Scan# 1634
Delta R.T. -0.000 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

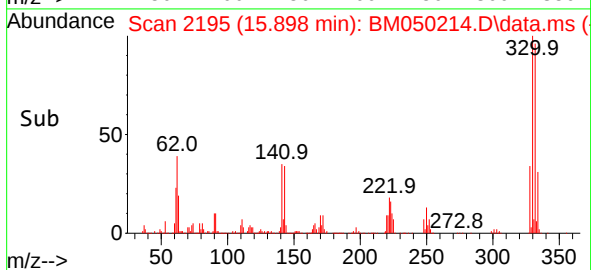
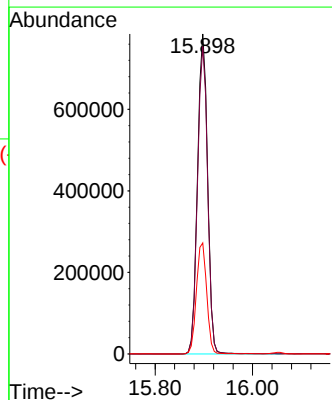
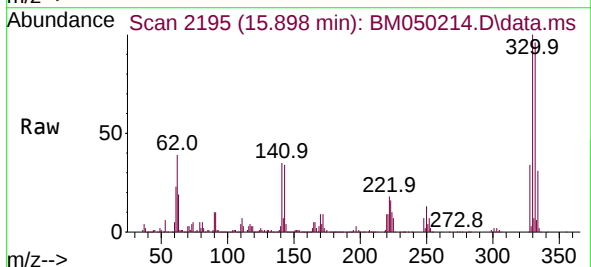
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

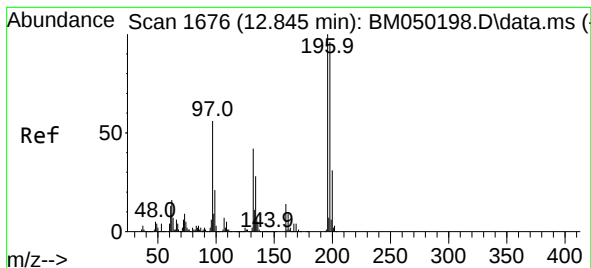
Tgt Ion:237 Resp: 1179961
Ion Ratio Lower Upper
237 100
235 62.9 44.6 84.6
272 12.9 0.0 33.1



#42
2,4,6-Tribromophenol
Concen: 130.113 ng
RT: 15.898 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion:330 Resp: 1122169
Ion Ratio Lower Upper
330 100
332 96.2 77.5 116.3
141 35.5 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 48.500 ng

RT: 12.845 min Scan# 1676

Delta R.T. -0.000 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

Instrument :

BNA_M

ClientSampleId :

COMP-12MSD

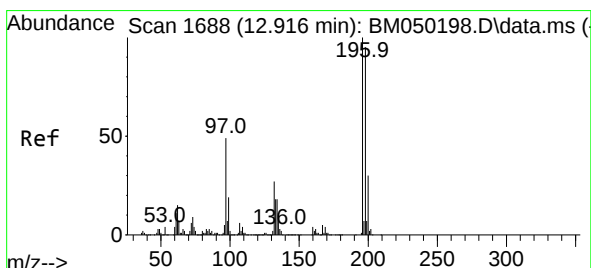
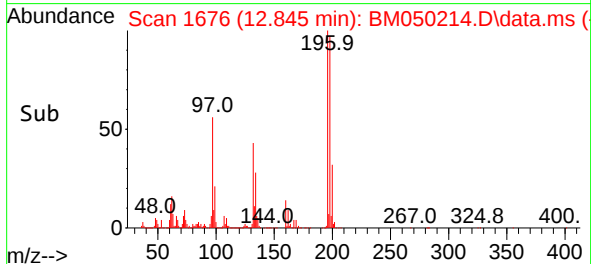
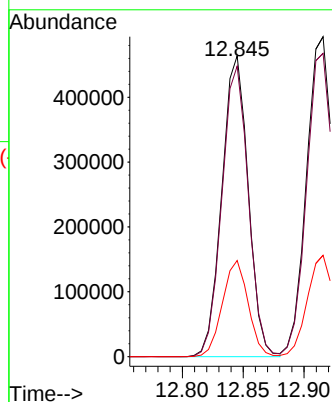
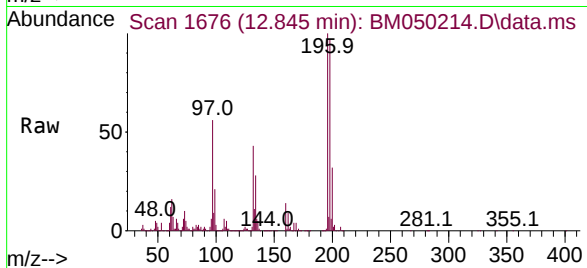
Tgt Ion:196 Resp: 698333

Ion Ratio Lower Upper

196 100

198 96.6 76.6 115.0

200 32.0 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 48.551 ng

RT: 12.916 min Scan# 1688

Delta R.T. -0.000 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

Tgt Ion:196 Resp: 767542

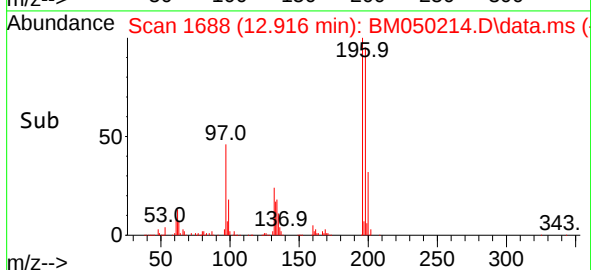
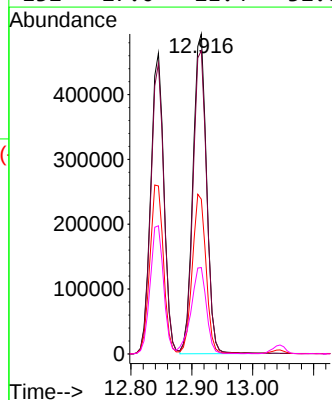
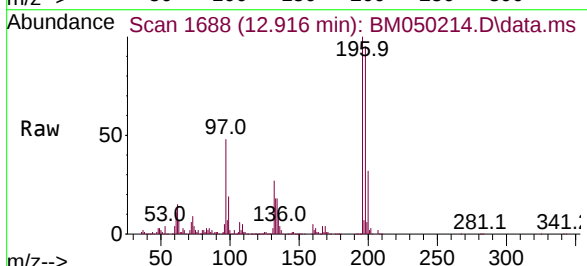
Ion Ratio Lower Upper

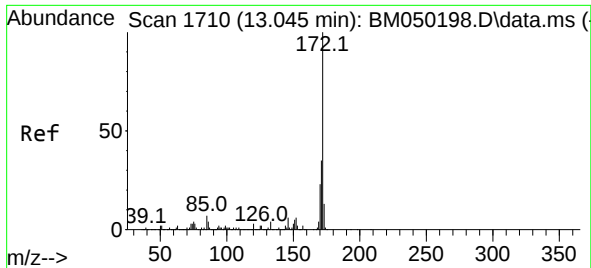
196 100

198 94.8 76.1 114.1

97 48.3 39.3 58.9

132 27.0 21.4 32.0

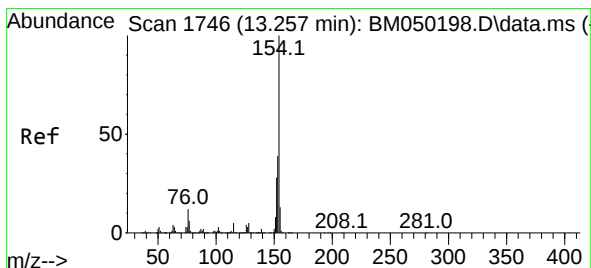
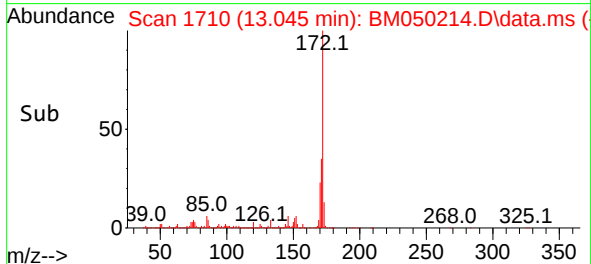
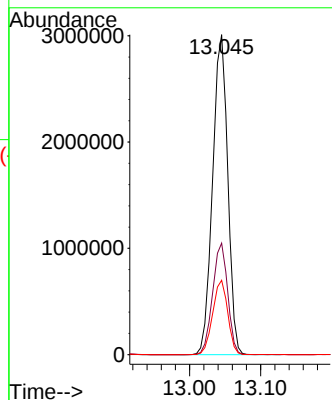
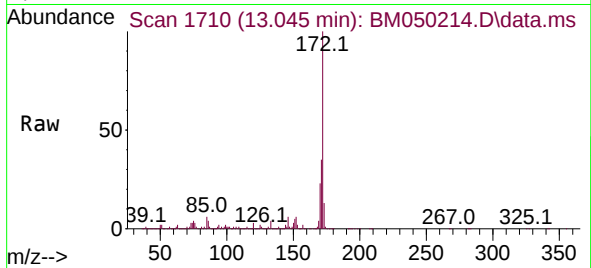




#45
2-Fluorobiphenyl
Concen: 79.428 ng
RT: 13.045 min Scan# 1710
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

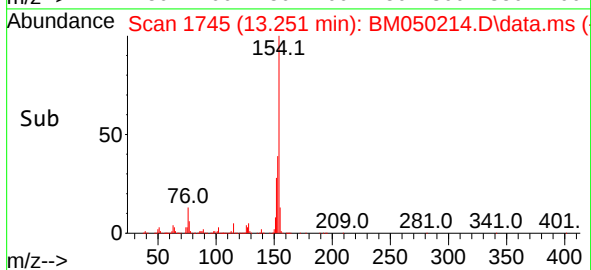
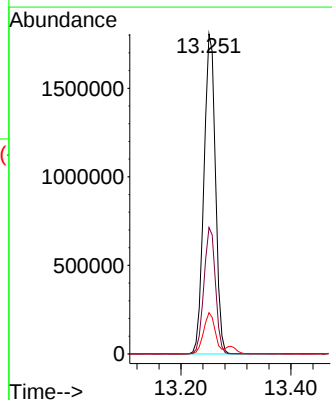
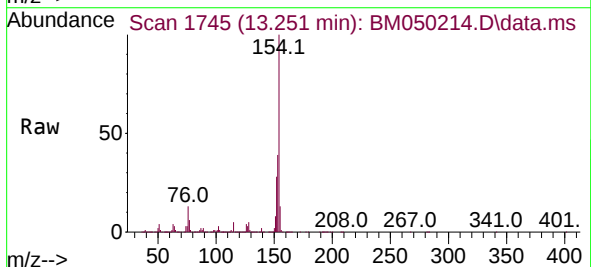
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

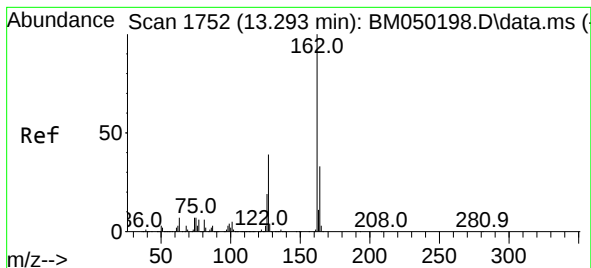
Tgt Ion:172 Resp: 4448519
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.6
170 23.2 18.6 27.8



#46
1,1'-Biphenyl
Concen: 46.249 ng
RT: 13.251 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion:154 Resp: 2625883
Ion Ratio Lower Upper
154 100
153 39.5 19.2 59.2
76 12.9 0.0 32.0

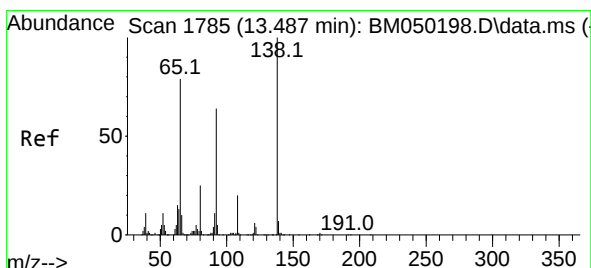
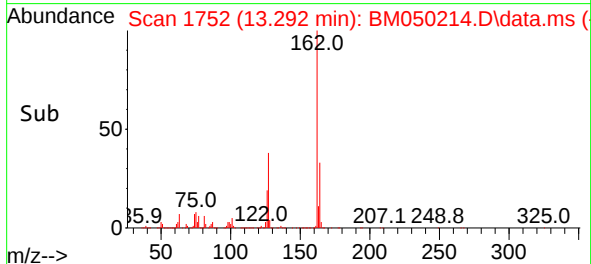
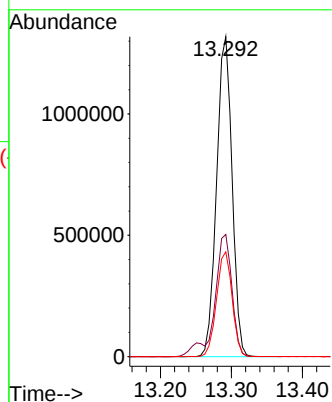
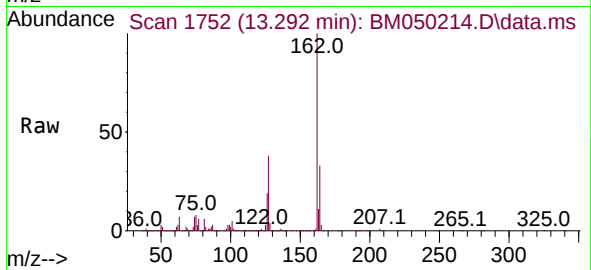




#47
2-Chloronaphthalene
Concen: 45.295 ng
RT: 13.292 min Scan# 1752
Delta R.T. -0.000 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

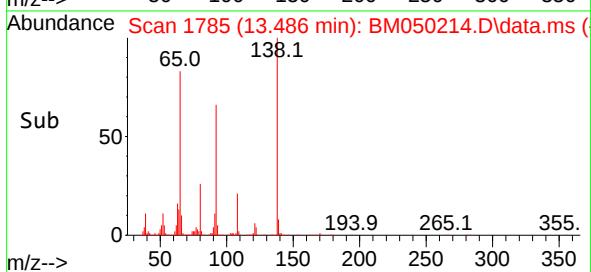
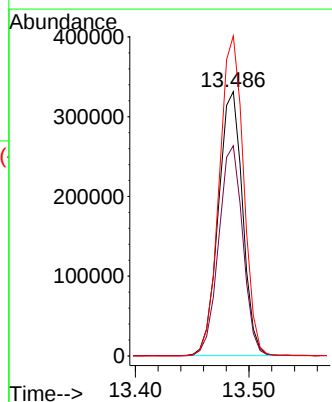
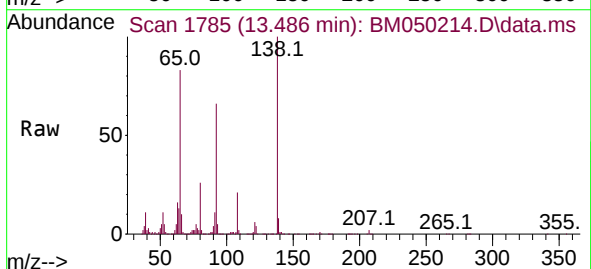
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

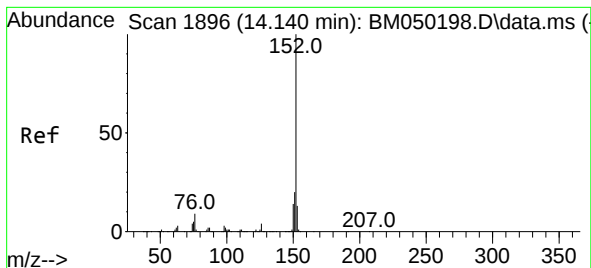
Tgt Ion:162 Resp: 1999316
Ion Ratio Lower Upper
162 100
127 38.2 31.1 46.7
164 32.7 26.5 39.7



#48
2-Nitroaniline
Concen: 50.461 ng
RT: 13.486 min Scan# 1785
Delta R.T. -0.000 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion: 65 Resp: 490159
Ion Ratio Lower Upper
65 100
92 79.5 64.2 96.4
138 121.1 101.0 151.4





#49

Acenaphthylene

Concen: 45.715 ng

RT: 14.139 min Scan# 1896

Delta R.T. -0.000 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

Instrument :

BNA_M

ClientSampleId :

COMP-12MSD

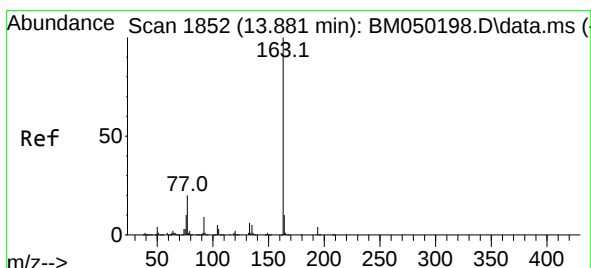
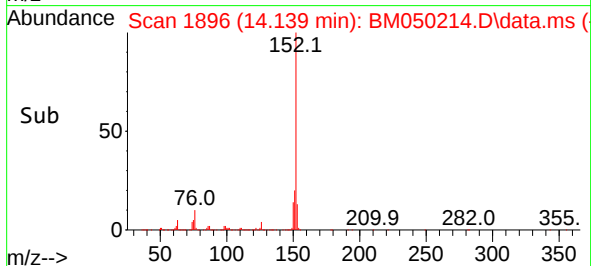
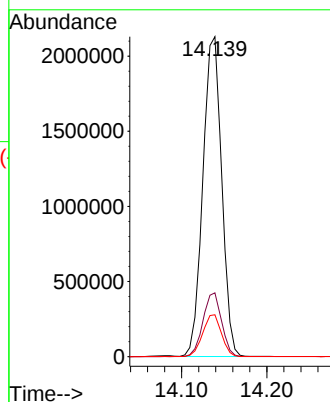
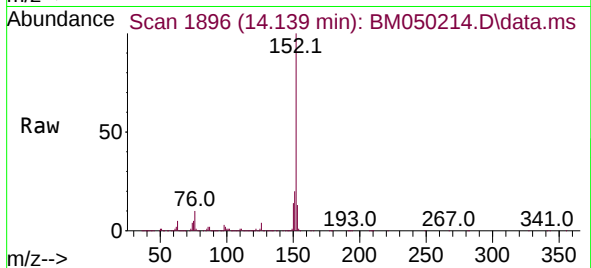
Tgt Ion:152 Resp: 3263812

Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.6

153 13.1 10.4 15.6



#50

Dimethylphthalate

Concen: 45.734 ng

RT: 13.880 min Scan# 1852

Delta R.T. -0.006 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

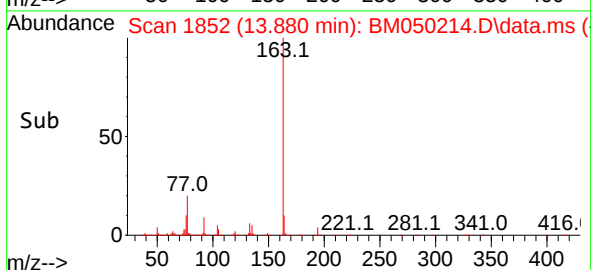
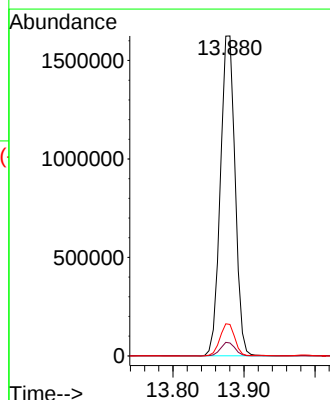
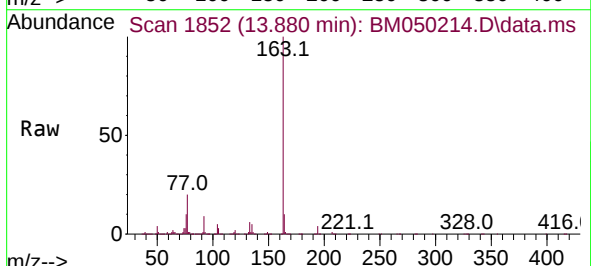
Tgt Ion:163 Resp: 2345250

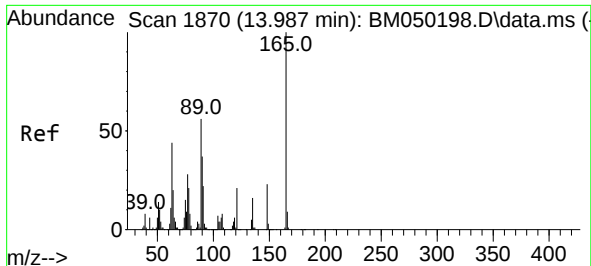
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 9.8 7.9 11.9

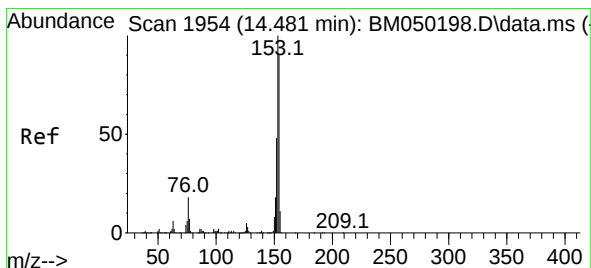
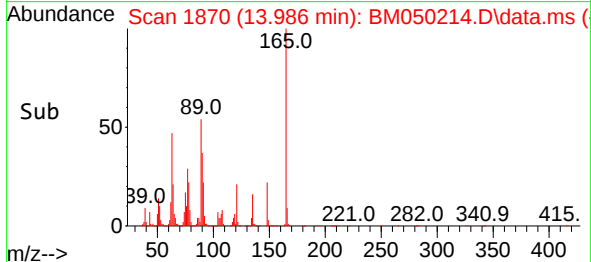
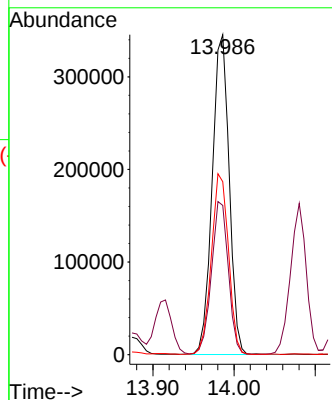
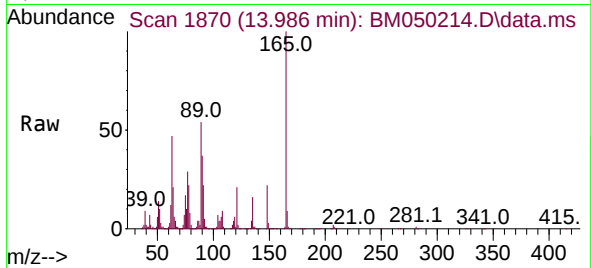




#51
2,6-Dinitrotoluene
Concen: 48.493 ng
RT: 13.986 min Scan# 1870
Delta R.T. -0.000 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

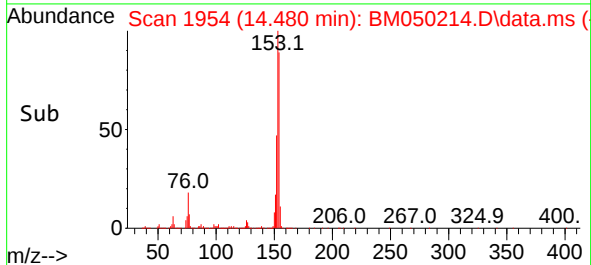
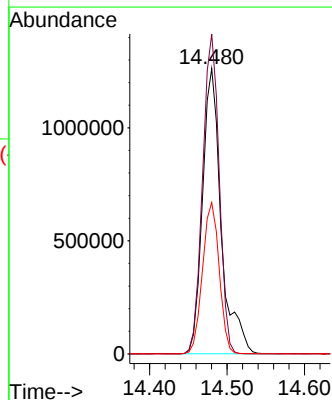
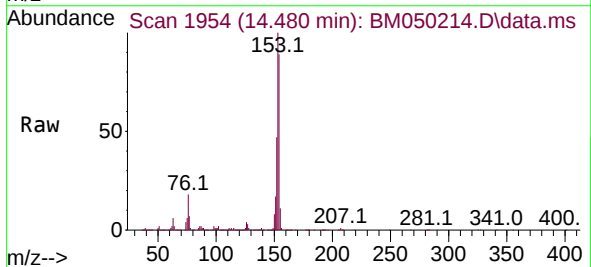
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

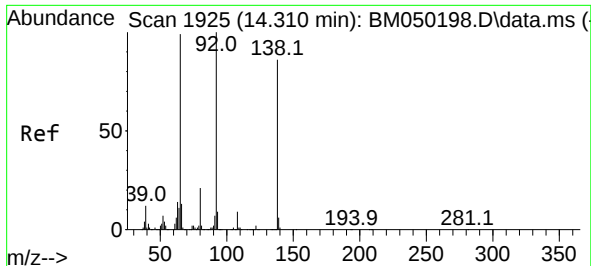
Tgt Ion:165 Resp: 501495
Ion Ratio Lower Upper
165 100
63 46.6 35.8 53.6
89 54.0 44.8 67.2



#52
Acenaphthene
Concen: 47.242 ng
RT: 14.480 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion:154 Resp: 2109603
Ion Ratio Lower Upper
154 100
153 112.1 88.7 133.1
152 53.0 42.6 63.8

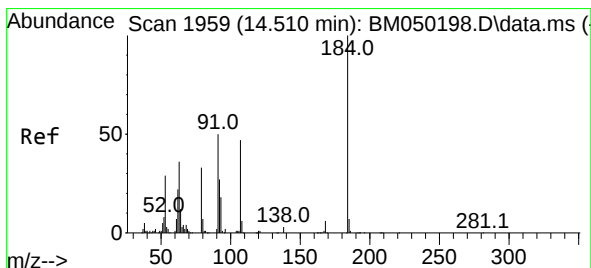
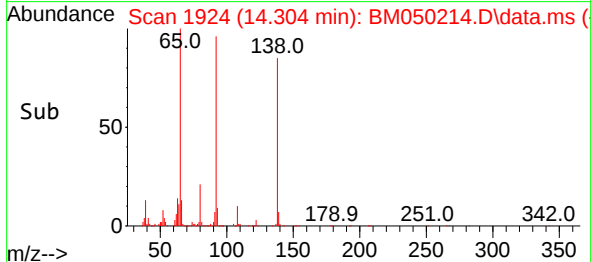
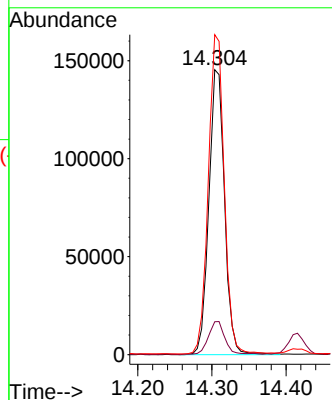
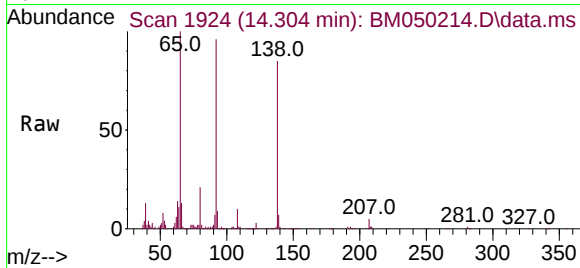




#53
3-Nitroaniline
Concen: 18.563 ng
RT: 14.304 min Scan# 1924
Delta R.T. -0.012 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

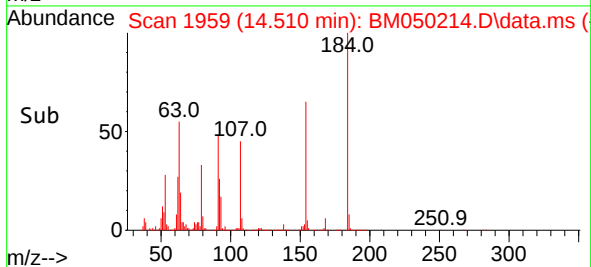
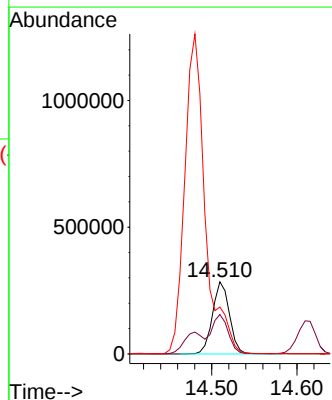
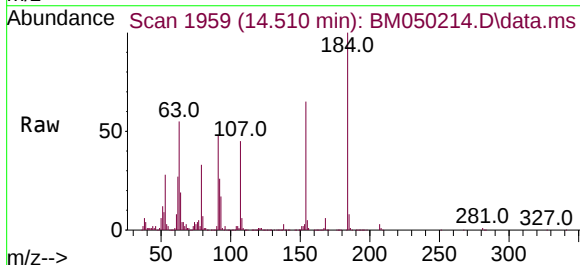
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

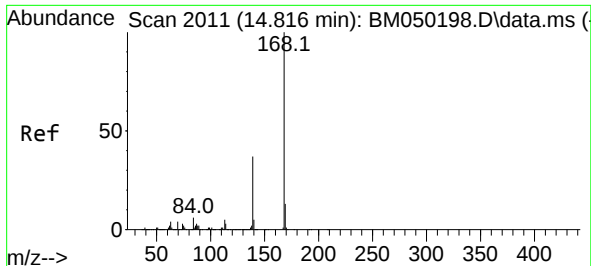
Tgt Ion:138 Resp: 213950
Ion Ratio Lower Upper
138 100
108 11.6 8.8 13.2
92 112.3 92.9 139.3



#54
2,4-Dinitrophenol
Concen: 62.914 ng
RT: 14.510 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion:184 Resp: 391784
Ion Ratio Lower Upper
184 100
63 54.7 45.3 67.9
154 65.0 54.3 81.5

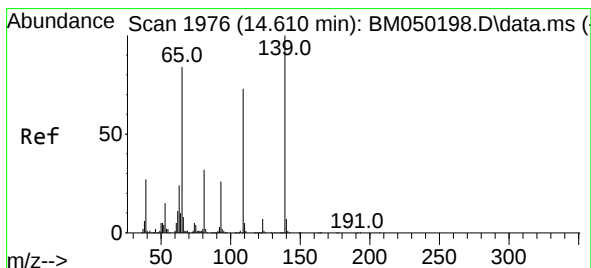
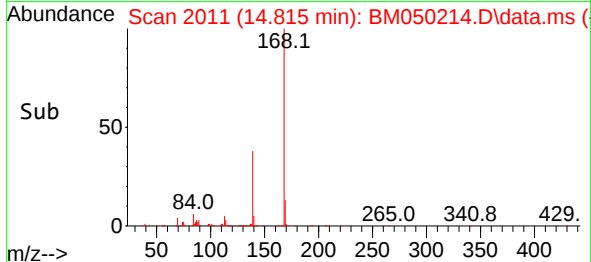
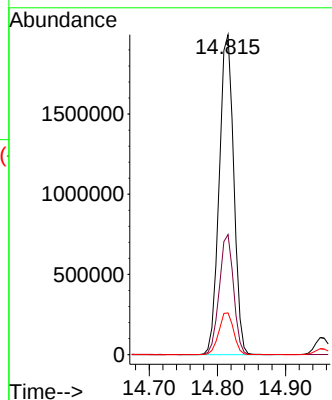
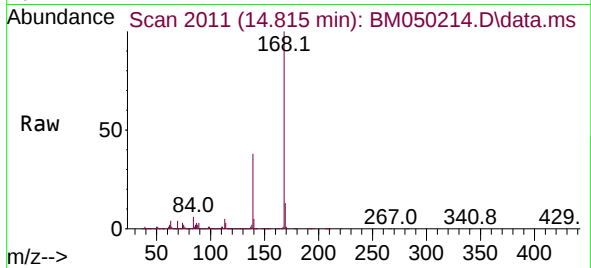




#55
Dibenzofuran
Concen: 44.902 ng
RT: 14.815 min Scan# 2011
Delta R.T. -0.000 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

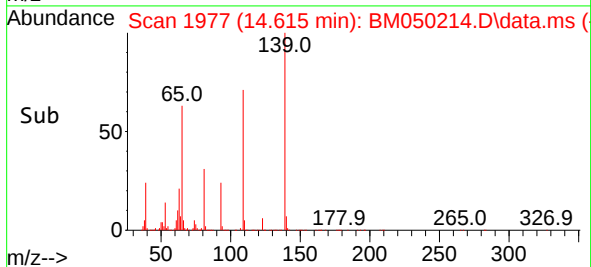
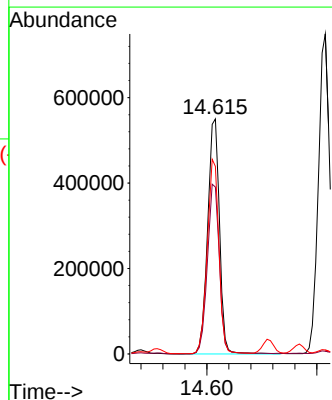
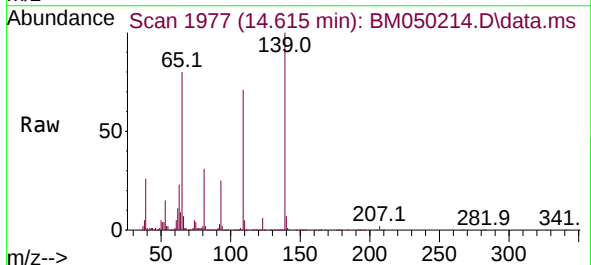
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

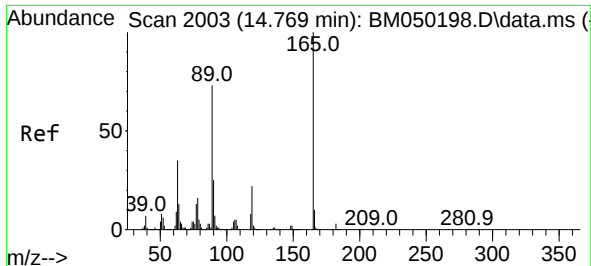
Tgt Ion:168 Resp: 2933472
Ion Ratio Lower Upper
168 100
139 37.5 29.9 44.9
169 13.0 10.6 16.0



#56
4-Nitrophenol
Concen: 83.999 ng
RT: 14.615 min Scan# 1977
Delta R.T. -0.000 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion:139 Resp: 824021
Ion Ratio Lower Upper
139 100
109 70.9 52.6 92.6
65 79.8 64.3 104.3

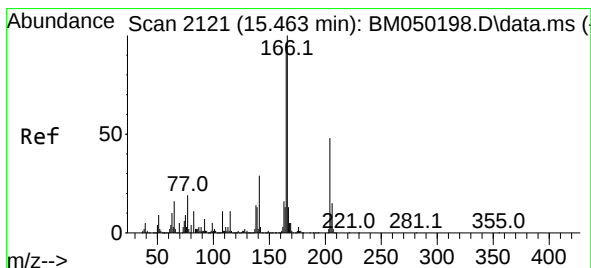
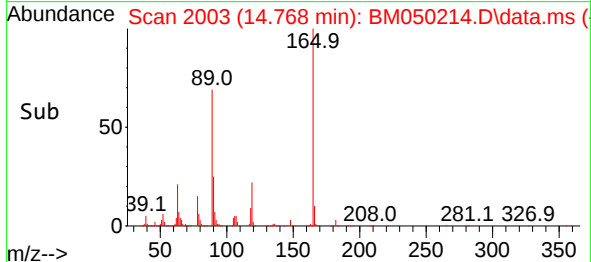
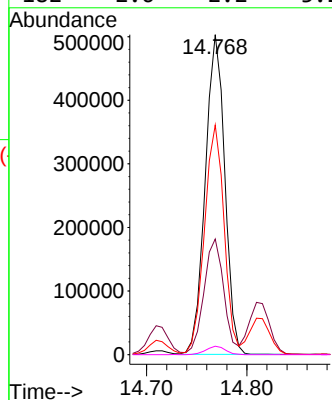
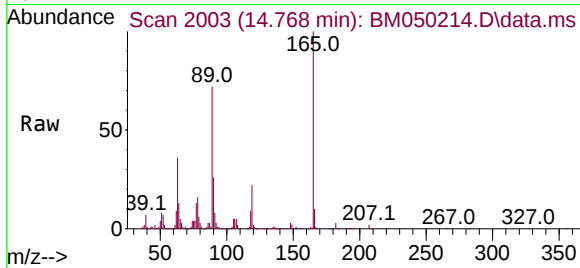




#57
2,4-Dinitrotoluene
Concen: 49.796 ng
RT: 14.768 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

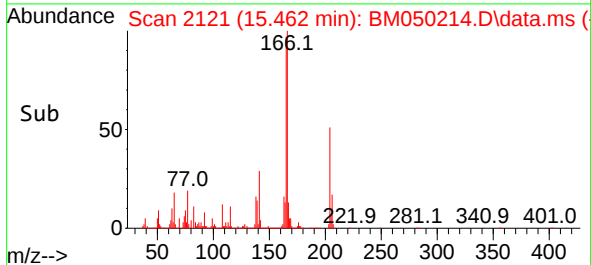
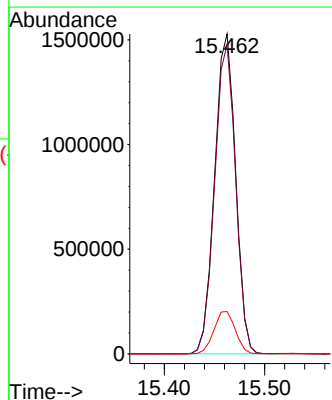
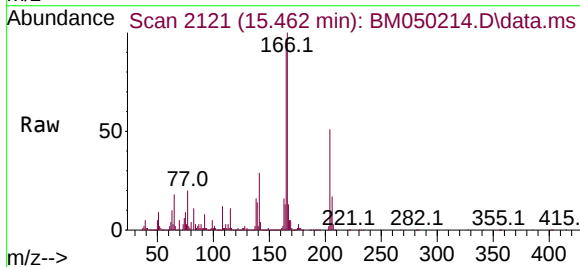
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

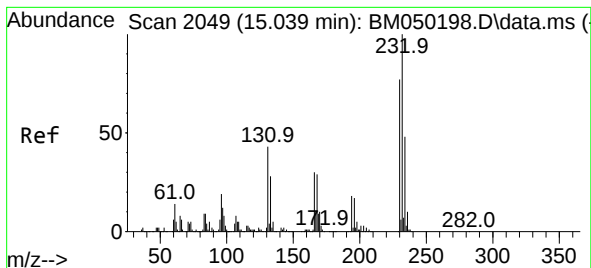
Tgt Ion:165 Resp: 679308
Ion Ratio Lower Upper
165 100
63 36.2 28.4 42.6
89 71.7 58.0 87.0
182 2.6 2.2 3.2



#58
Fluorene
Concen: 44.470 ng
RT: 15.462 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion:166 Resp: 2225190
Ion Ratio Lower Upper
166 100
165 96.8 77.0 115.4
167 13.2 10.7 16.1

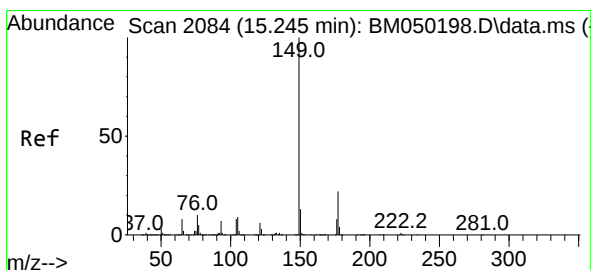
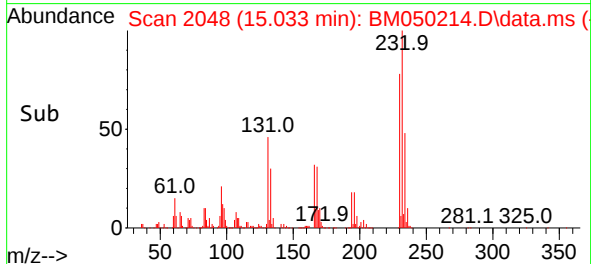
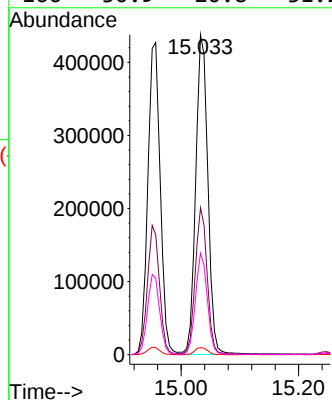
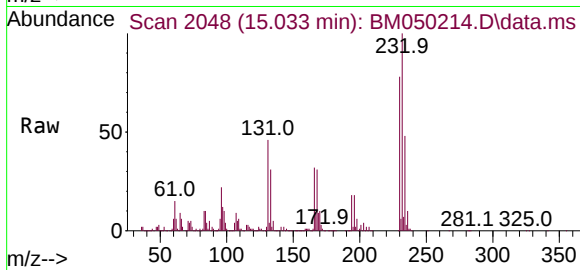




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.823 ng
RT: 15.033 min Scan# 2049
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

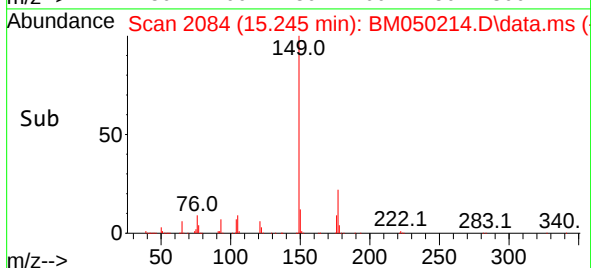
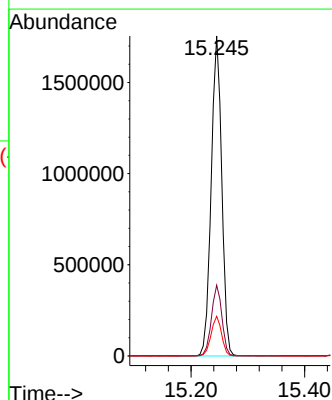
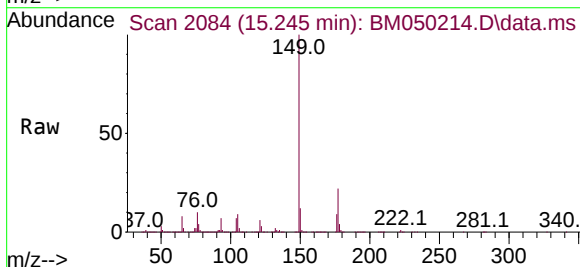
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

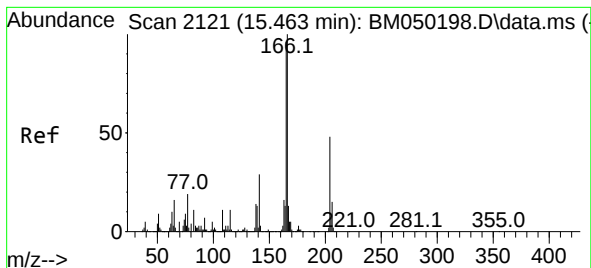
Tgt Ion:232 Resp: 626743
Ion Ratio Lower Upper
232 100
131 44.8 32.9 49.3
130 2.3 1.8 2.8
166 30.9 20.8 31.2



#60
Diethylphthalate
Concen: 44.584 ng
RT: 15.245 min Scan# 2084
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion:149 Resp: 2268471
Ion Ratio Lower Upper
149 100
177 22.1 17.2 25.8
150 12.4 10.0 15.0

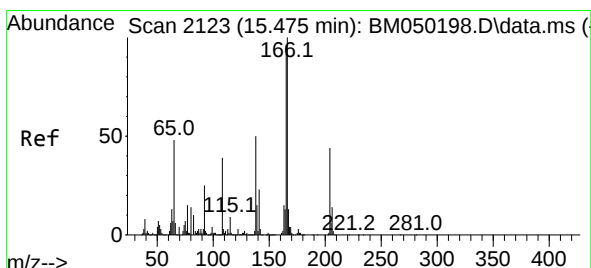
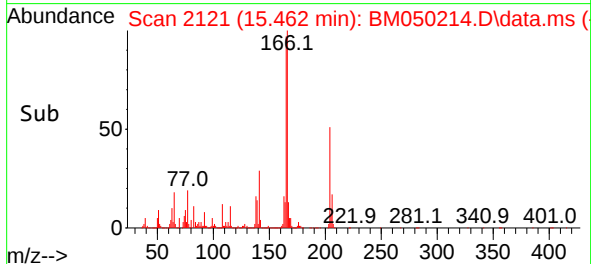
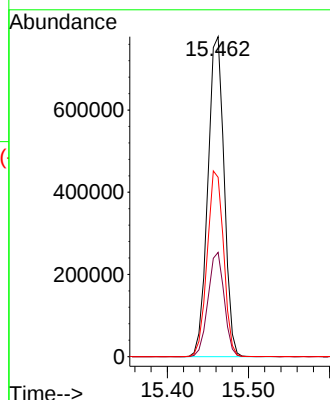
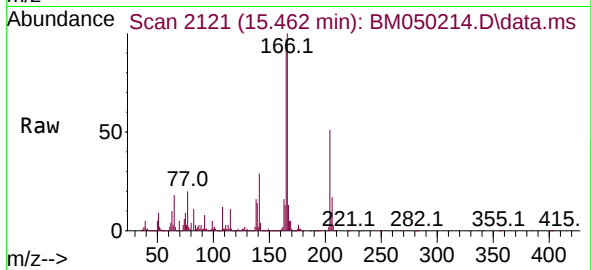




#61
4-Chlorophenyl-phenylether
Concen: 44.914 ng
RT: 15.462 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

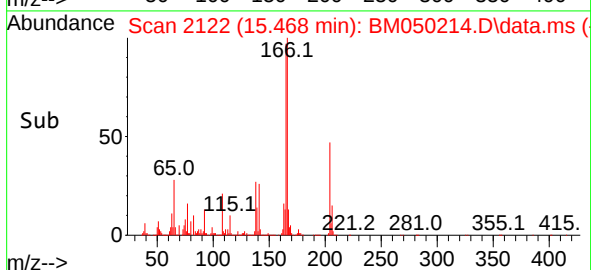
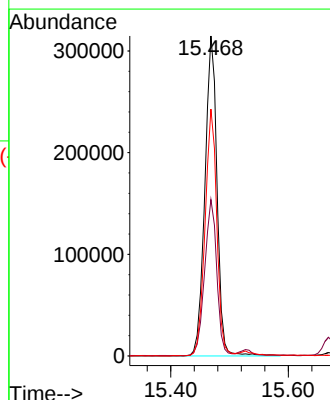
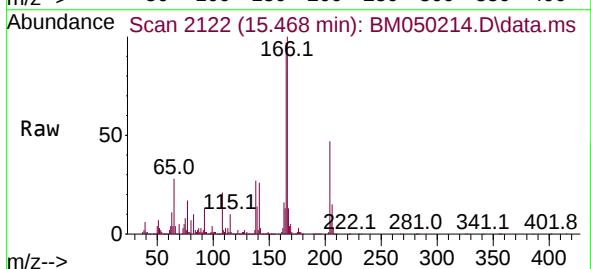
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

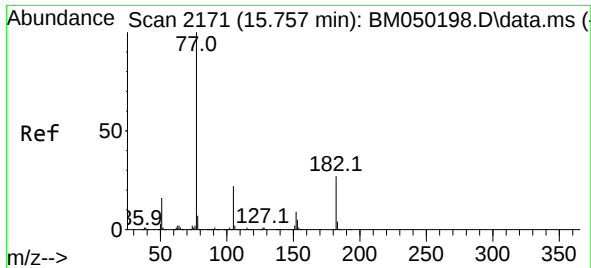
Tgt Ion:204 Resp: 1086187
Ion Ratio Lower Upper
204 100
206 32.6 25.4 38.0
141 56.0 47.9 71.9



#62
4-Nitroaniline
Concen: 41.906 ng
RT: 15.468 min Scan# 2122
Delta R.T. -0.012 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion:138 Resp: 452689
Ion Ratio Lower Upper
138 100
92 48.9 28.8 68.8
108 77.1 58.1 98.1

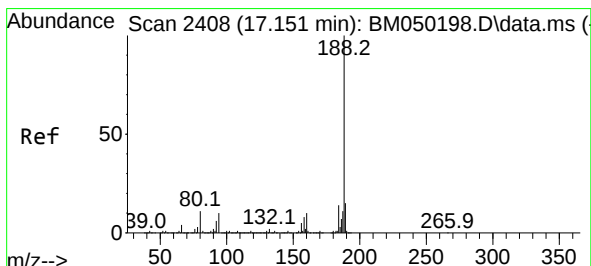
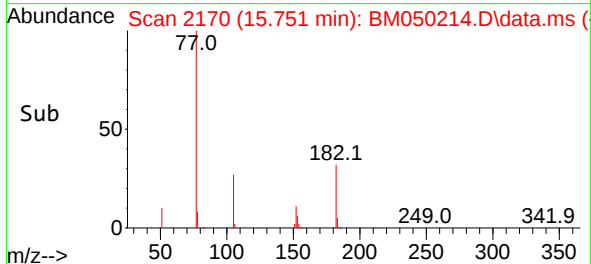
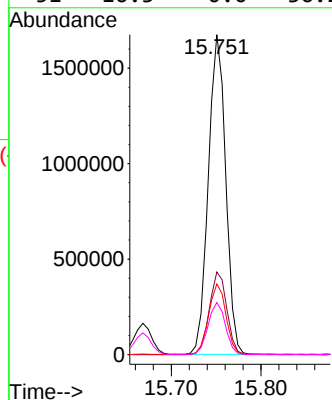
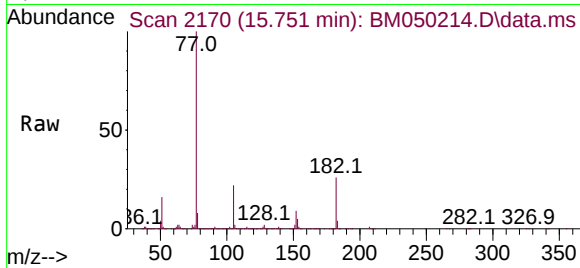




#63
Azobenzene
Concen: 44.465 ng
RT: 15.751 min Scan# 2171
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

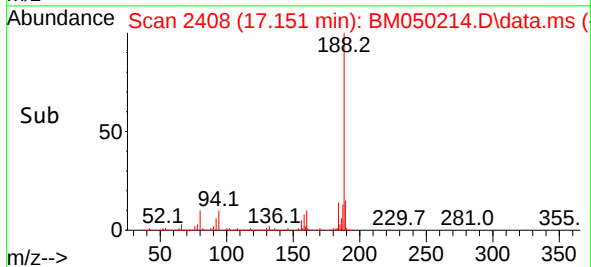
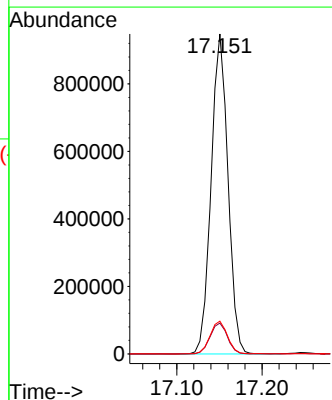
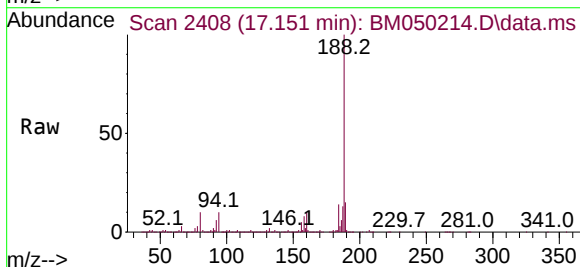
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

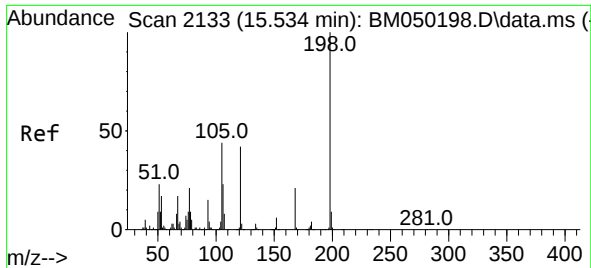
Tgt Ion: 77 Resp: 2261283
Ion Ratio Lower Upper
77 100
182 25.9 6.8 46.8
105 22.1 1.7 41.7
51 16.3 0.0 36.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion:188 Resp: 1299390
Ion Ratio Lower Upper
188 100
94 9.6 8.1 12.1
80 10.3 8.6 13.0

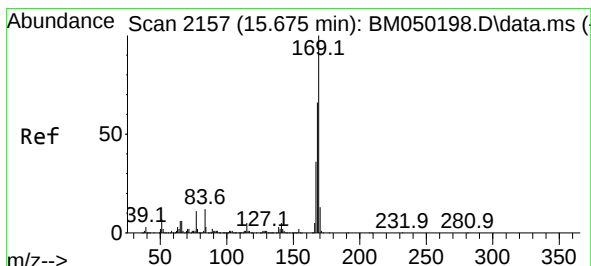
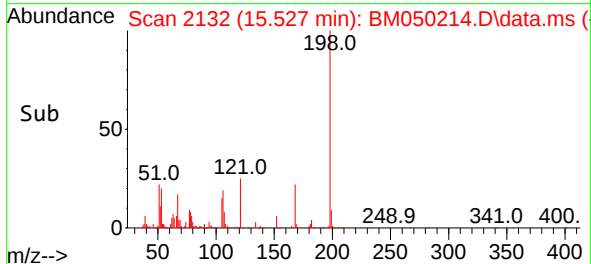
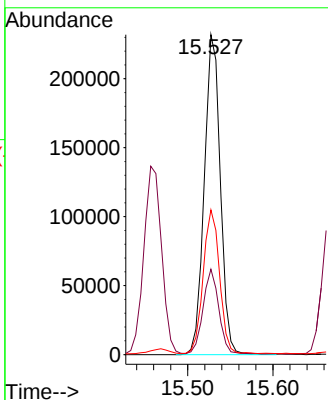
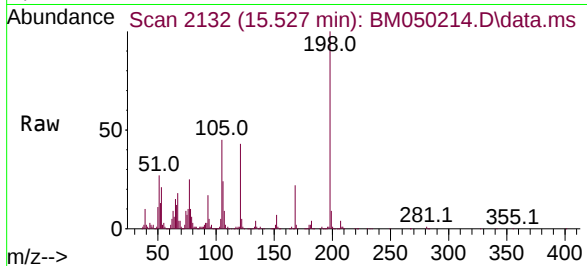




#65
4,6-Dinitro-2-methylphenol
Concen: 42.747 ng
RT: 15.527 min Scan# 2133
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

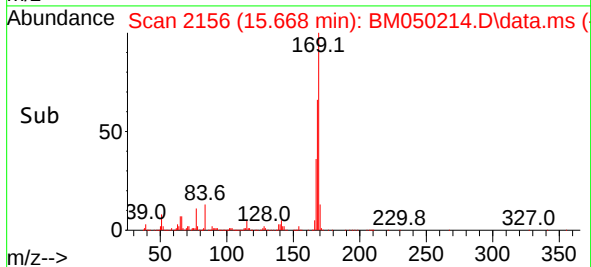
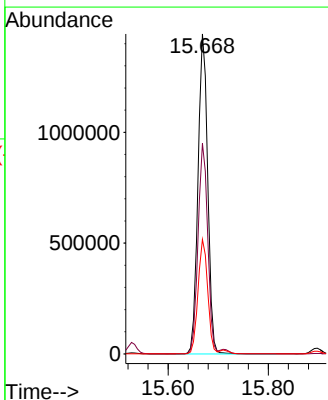
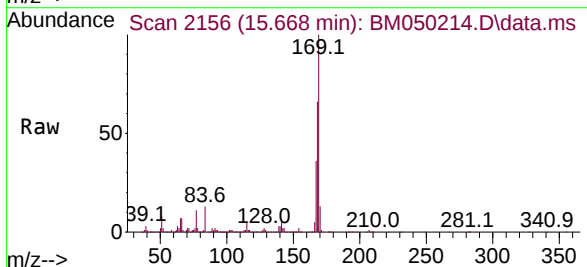
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

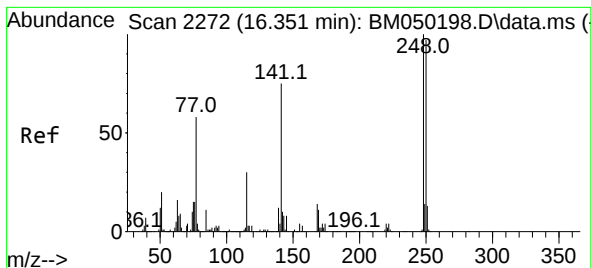
Tgt Ion:198 Resp: 303377
Ion Ratio Lower Upper
198 100
51 26.7 4.5 44.5
105 45.2 24.9 64.9



#66
n-Nitrosodiphenylamine
Concen: 47.249 ng
RT: 15.668 min Scan# 2156
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion:169 Resp: 1929064
Ion Ratio Lower Upper
169 100
168 65.8 53.1 79.7
167 35.8 29.0 43.6

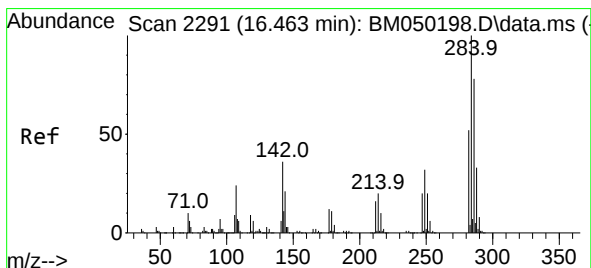
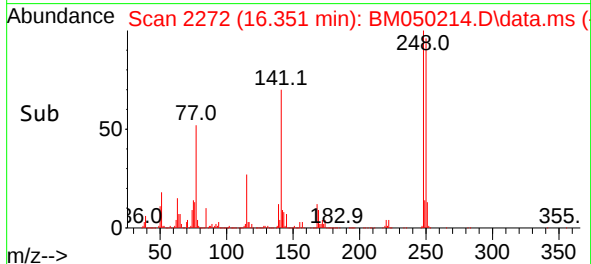
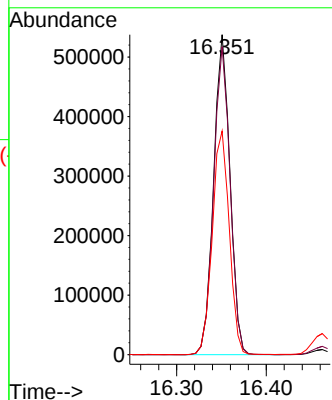
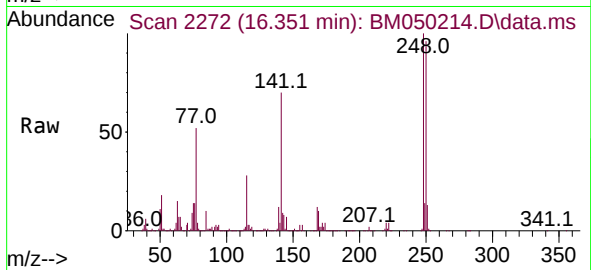




#67
4-Bromophenyl-phenylether
Concen: 49.127 ng
RT: 16.351 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

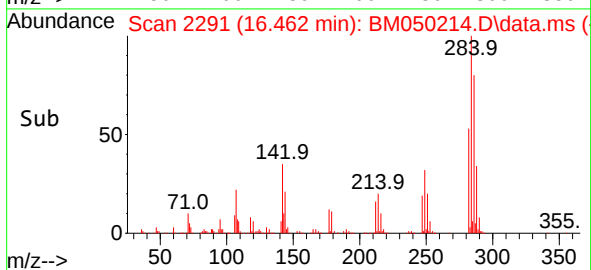
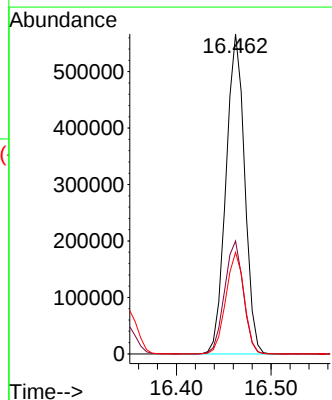
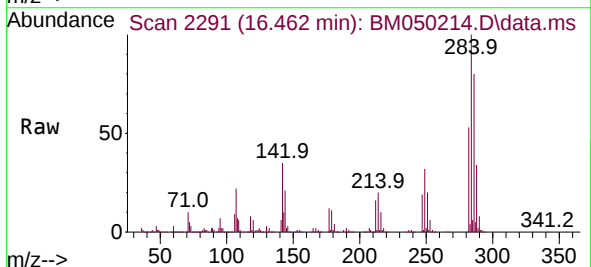
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

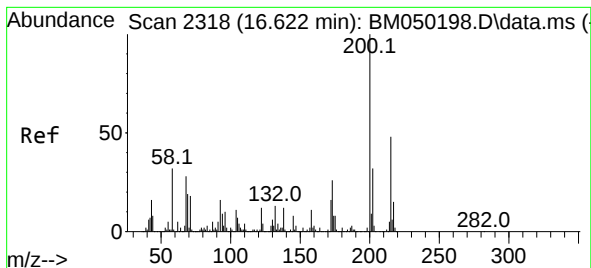
Tgt Ion:248 Resp: 680727
Ion Ratio Lower Upper
248 100
250 96.3 78.0 117.0
141 69.9 60.1 90.1



#68
Hexachlorobenzene
Concen: 47.804 ng
RT: 16.462 min Scan# 2291
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion:284 Resp: 773916
Ion Ratio Lower Upper
284 100
142 35.3 28.8 43.2
249 31.7 25.8 38.6





#69

Atrazine

Concen: 48.872 ng

RT: 16.621 min Scan# 2318

Delta R.T. -0.006 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

Instrument :

BNA_M

ClientSampleId :

COMP-12MSD

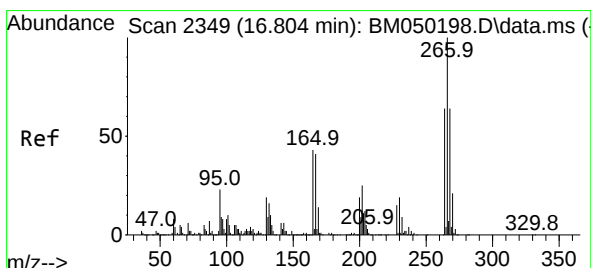
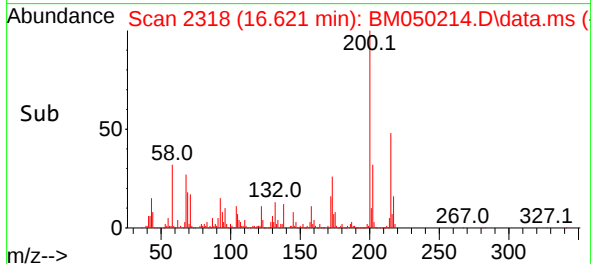
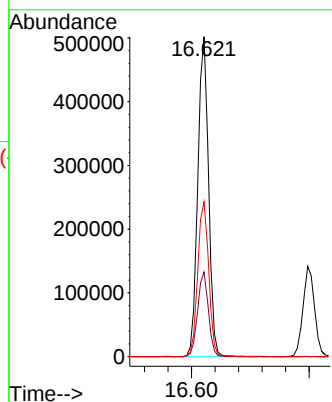
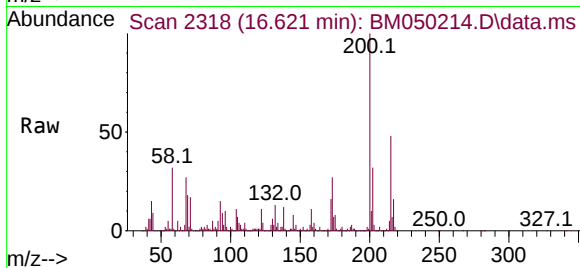
Tgt Ion:200 Resp: 635775

Ion Ratio Lower Upper

200 100

173 26.5 6.0 46.0

215 48.4 28.1 68.1



#70

Pentachlorophenol

Concen: 95.277 ng

RT: 16.798 min Scan# 2348

Delta R.T. -0.006 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

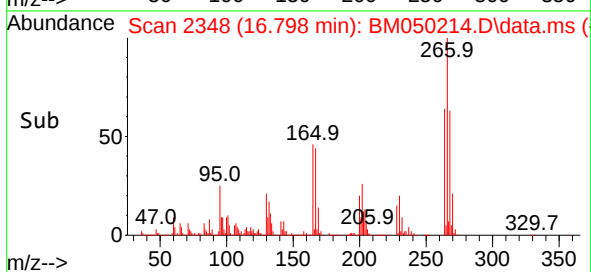
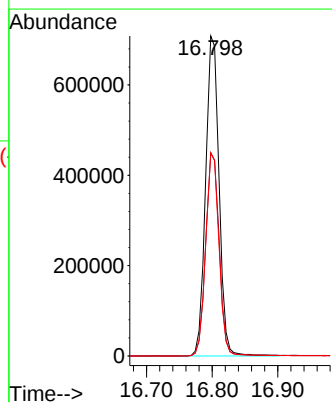
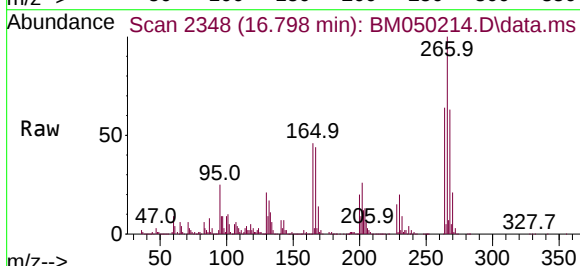
Tgt Ion:266 Resp: 1002846

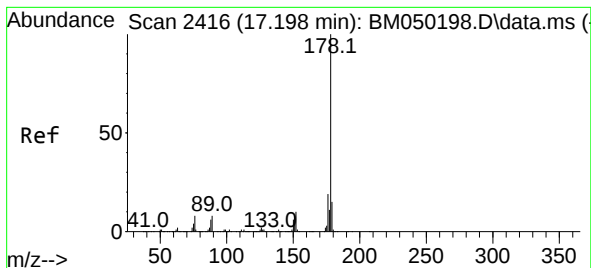
Ion Ratio Lower Upper

266 100

268 63.4 51.0 76.6

264 63.5 50.8 76.2





#71

Phenanthrene

Concen: 45.646 ng

RT: 17.192 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

Instrument :

BNA_M

ClientSampleId :

COMP-12MSD

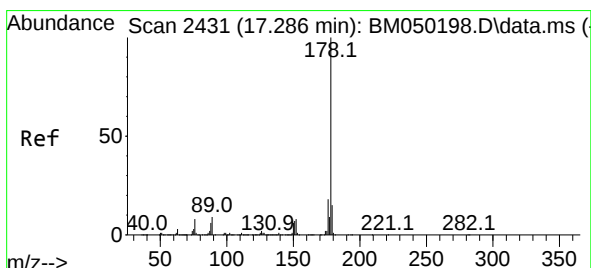
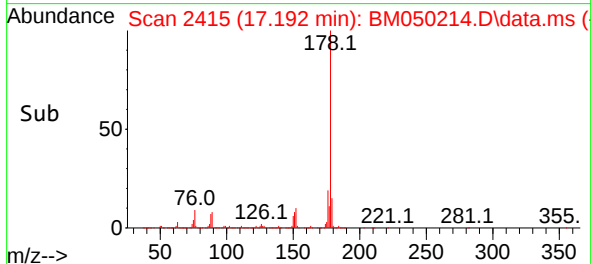
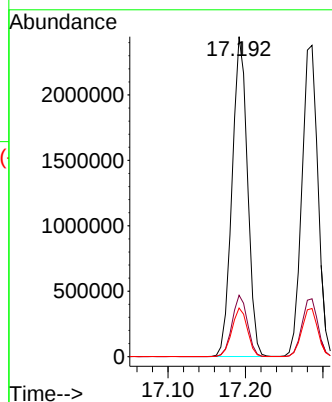
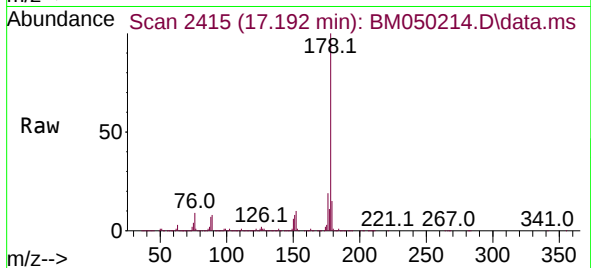
Tgt Ion:178 Resp: 3388322

Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

179 15.2 12.3 18.5



#72

Anthracene

Concen: 46.172 ng

RT: 17.286 min Scan# 2431

Delta R.T. -0.000 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

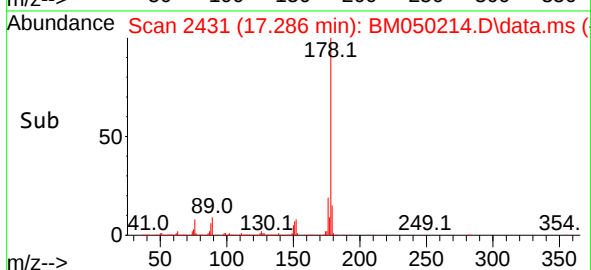
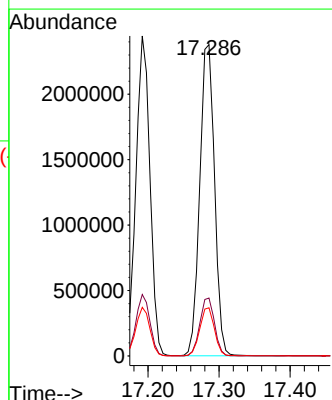
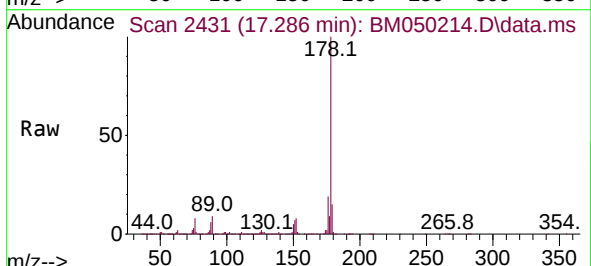
Tgt Ion:178 Resp: 3428718

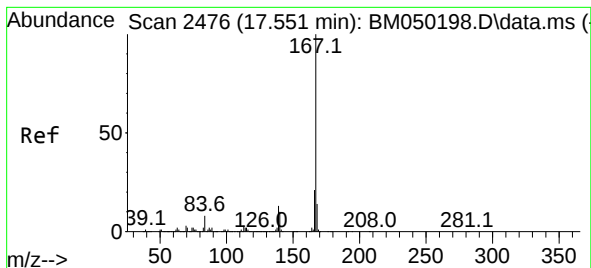
Ion Ratio Lower Upper

178 100

176 18.6 14.8 22.2

179 15.4 12.3 18.5





#73

Carbazole

Concen: 45.300 ng

RT: 17.545 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

Instrument :

BNA_M

ClientSampleId :

COMP-12MSD

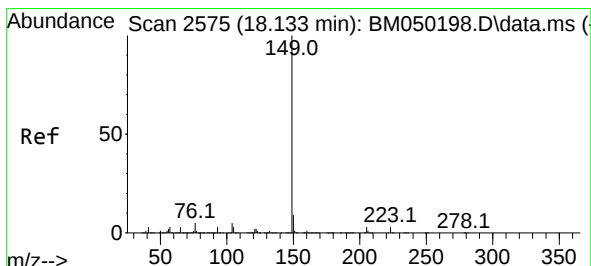
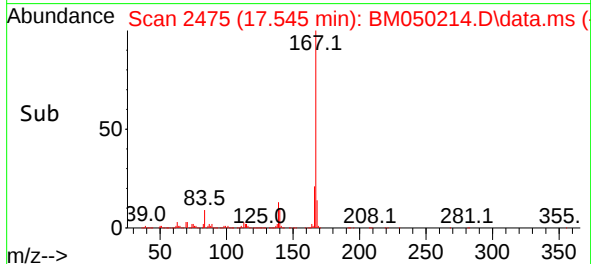
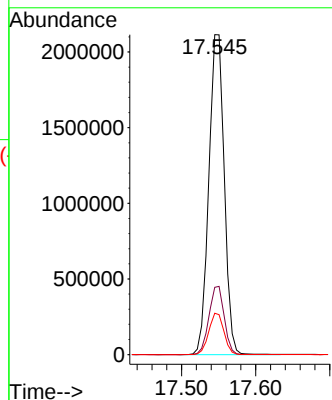
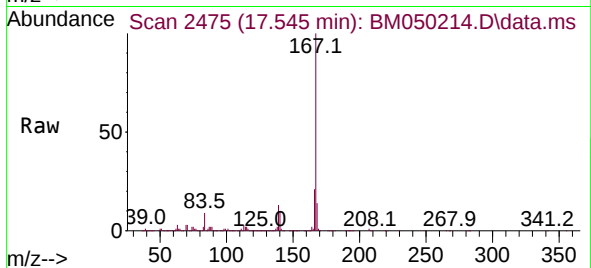
Tgt Ion:167 Resp: 3064592

Ion Ratio Lower Upper

167 100

166 21.0 17.0 25.6

139 12.9 10.2 15.4



#74

Di-n-butylphthalate

Concen: 47.570 ng

RT: 18.133 min Scan# 2575

Delta R.T. -0.000 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

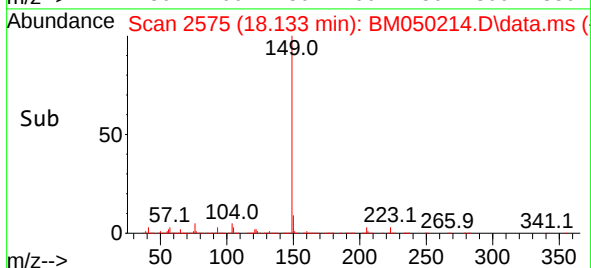
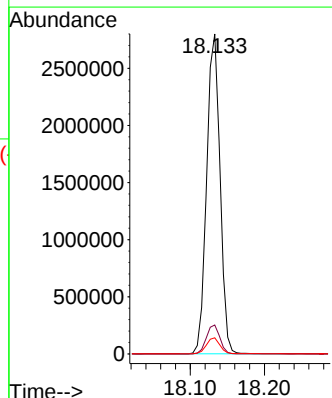
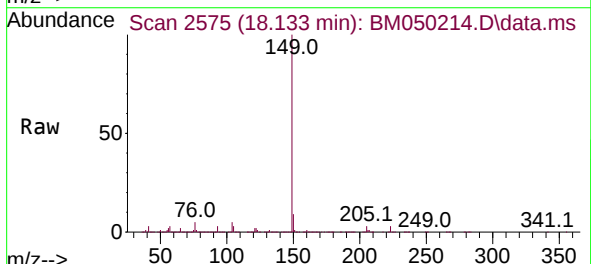
Tgt Ion:149 Resp: 3501656

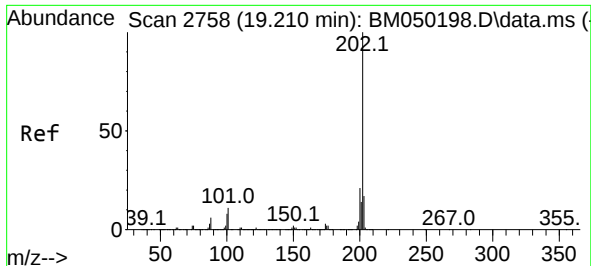
Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.0

104 5.0 4.0 6.0

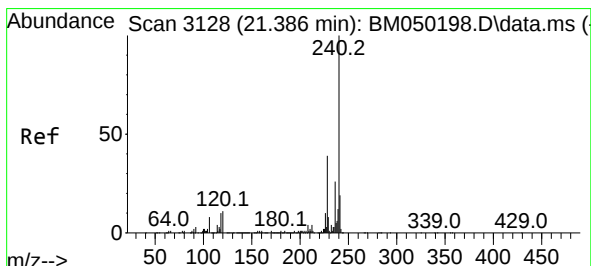
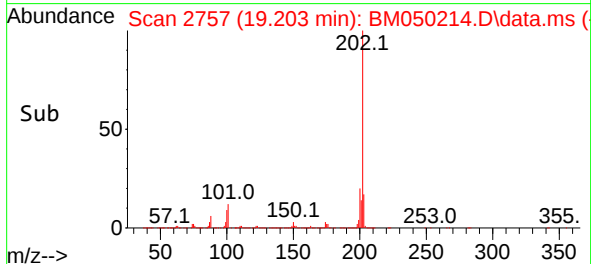
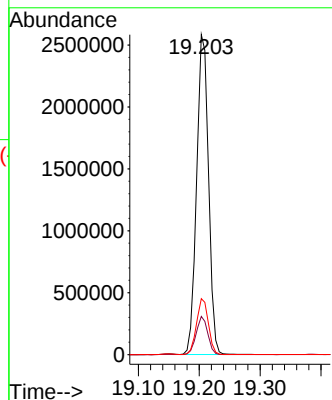
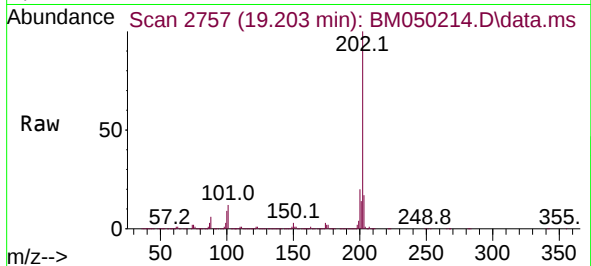




#75
Fluoranthene
Concen: 44.789 ng
RT: 19.203 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

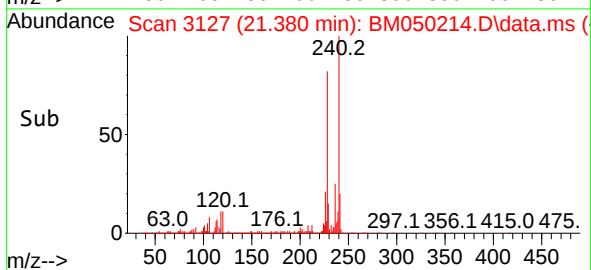
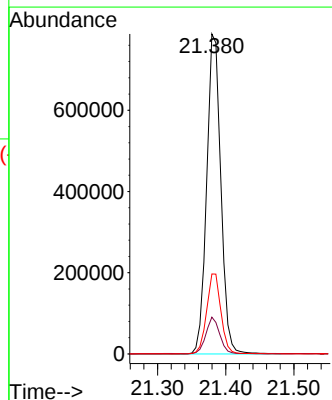
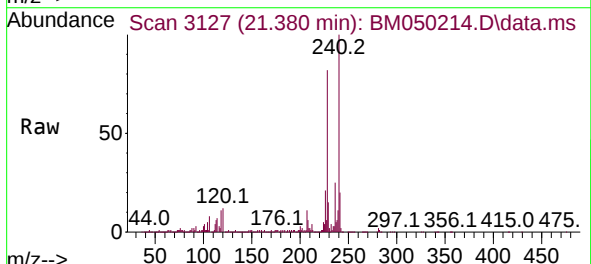
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

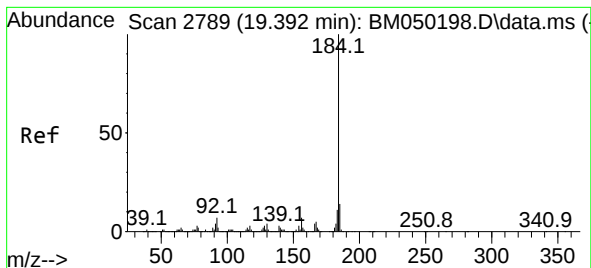
Tgt Ion:202 Resp: 3506137
Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.1
203 17.5 0.0 37.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion:240 Resp: 1138990
Ion Ratio Lower Upper
240 100
120 11.5 9.0 13.4
236 25.0 20.7 31.1





#77

Benzidine

Concen: 17.201 ng

RT: 19.386 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

Instrument :

BNA_M

ClientSampleId :

COMP-12MSD

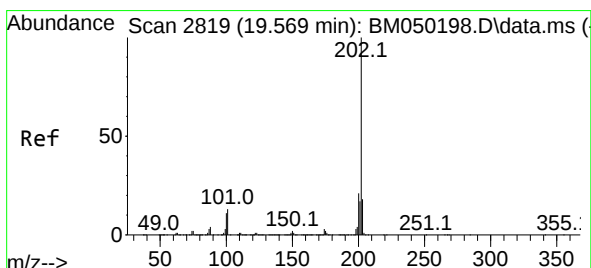
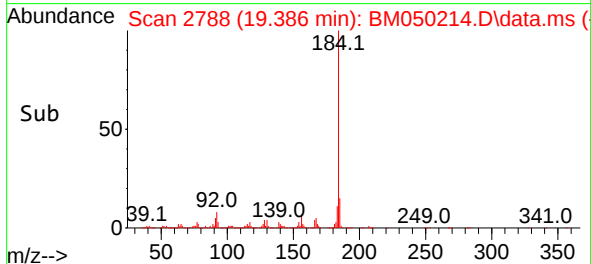
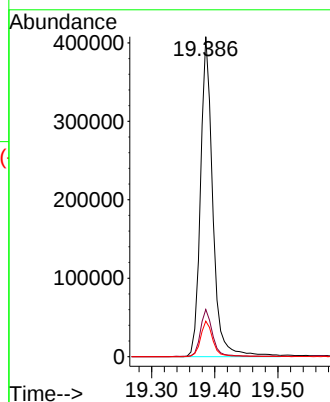
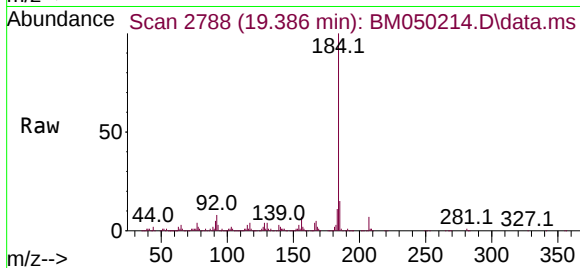
Tgt Ion:184 Resp: 550924

Ion Ratio Lower Upper

184 100

185 14.7 11.5 17.3

183 11.1 9.0 13.4



#78

Pyrene

Concen: 47.922 ng

RT: 19.568 min Scan# 2819

Delta R.T. -0.000 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

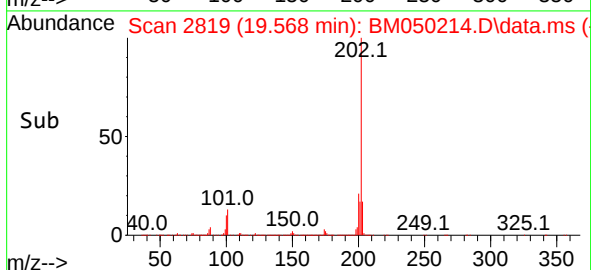
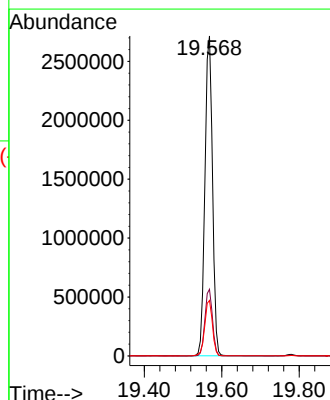
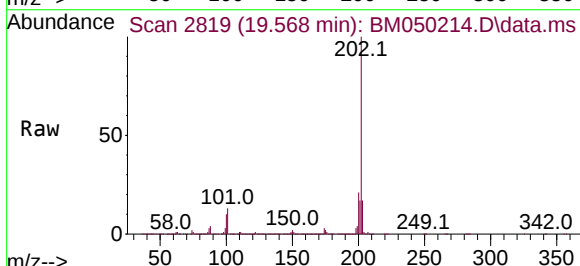
Tgt Ion:202 Resp: 3678874

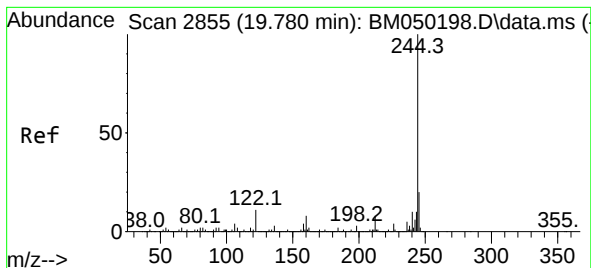
Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

203 17.3 14.1 21.1





#79

Terphenyl-d14

Concen: 79.392 ng

RT: 19.780 min Scan# 2855

Delta R.T. -0.006 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

Instrument :

BNA_M

ClientSampleId :

COMP-12MSD

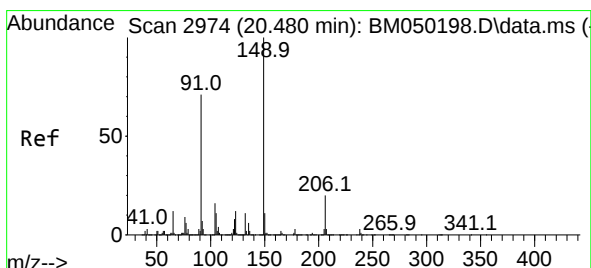
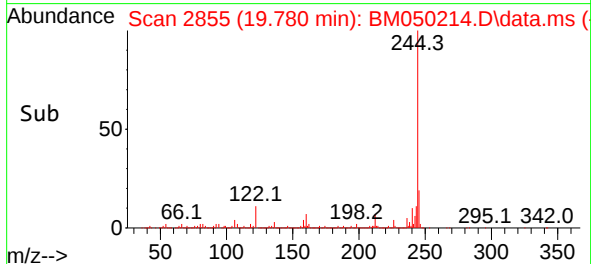
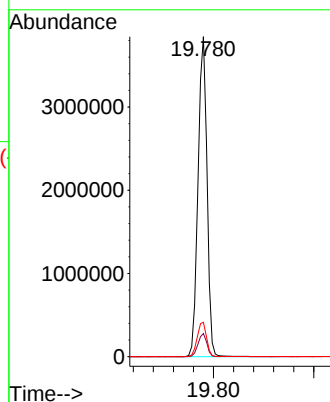
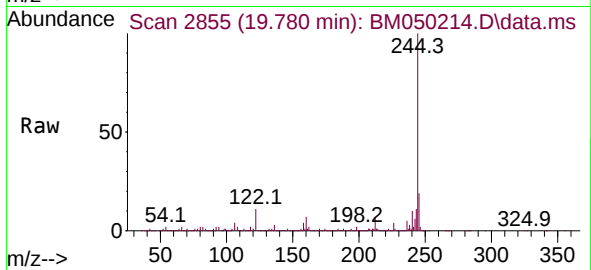
Tgt Ion:244 Resp: 4771812

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 10.7 8.6 12.8



#80

Butylbenzylphthalate

Concen: 52.280 ng

RT: 20.480 min Scan# 2974

Delta R.T. -0.000 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

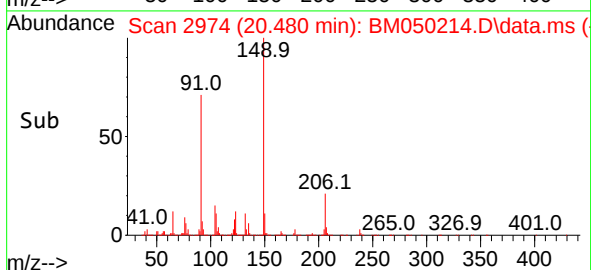
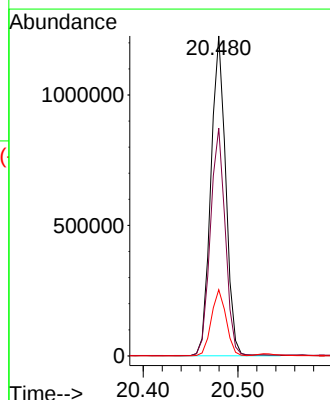
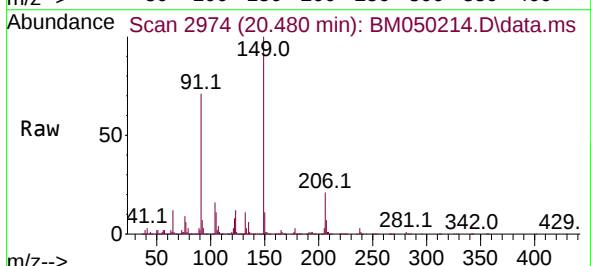
Tgt Ion:149 Resp: 1338750

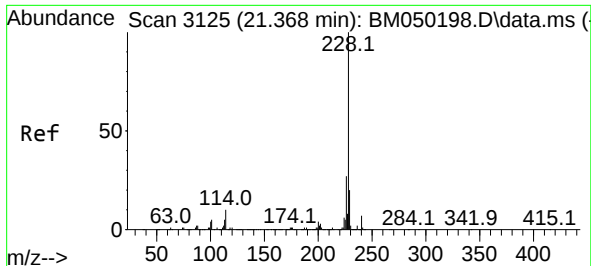
Ion Ratio Lower Upper

149 100

91 71.2 56.9 85.3

206 20.7 16.1 24.1

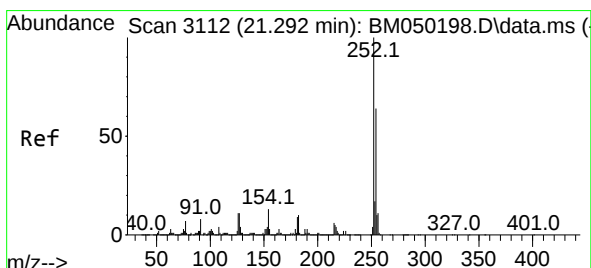
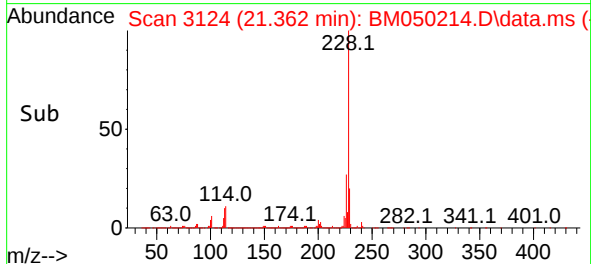
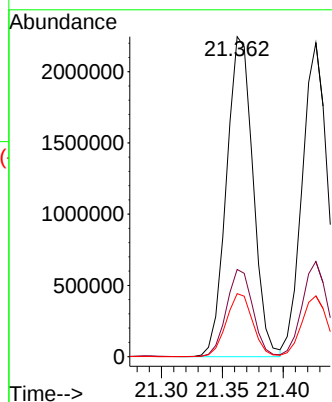
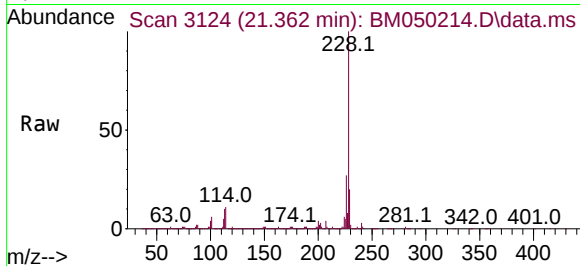




#81
Benzo(a)anthracene
Concen: 47.336 ng
RT: 21.362 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

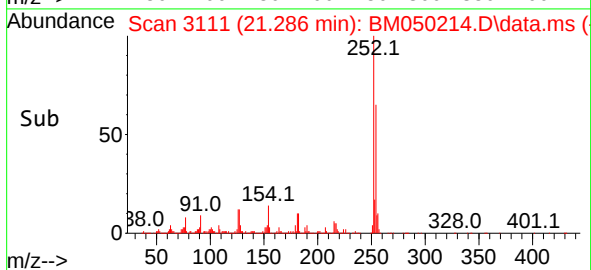
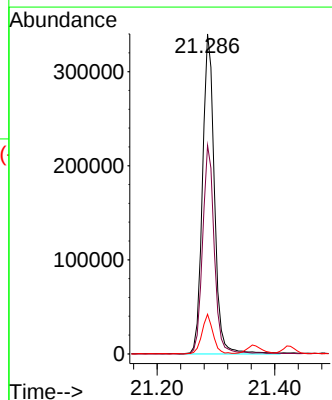
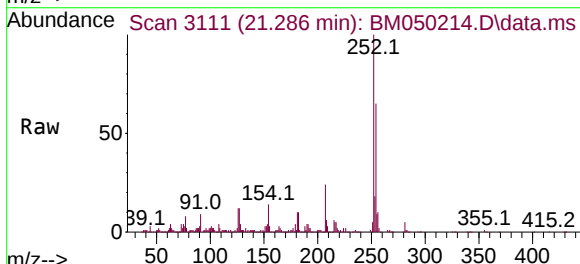
Instrument :
BNA_M
ClientSampleId :
COMP-12MSD

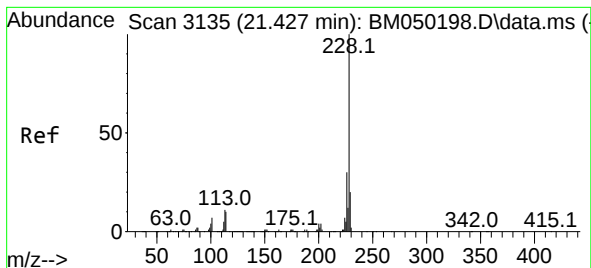
Tgt Ion:228 Resp: 3412641
Ion Ratio Lower Upper
228 100
226 27.2 21.7 32.5
229 19.7 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 21.753 ng
RT: 21.286 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BM050214.D
Acq: 06 Jun 2025 14:46

Tgt Ion:252 Resp: 478234
Ion Ratio Lower Upper
252 100
254 65.2 51.4 77.0
126 12.4 8.6 12.8





#83

Chrysene

Concen: 46.721 ng

RT: 21.427 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

Instrument :

BNA_M

ClientSampleId :

COMP-12MSD

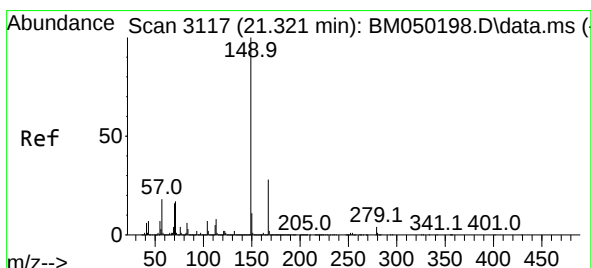
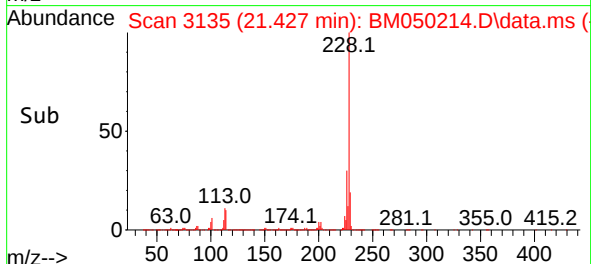
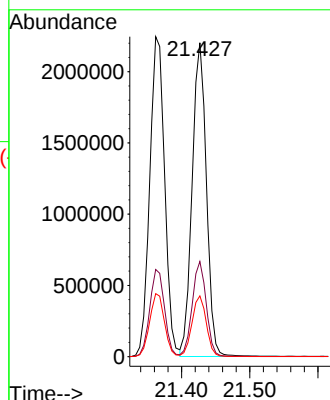
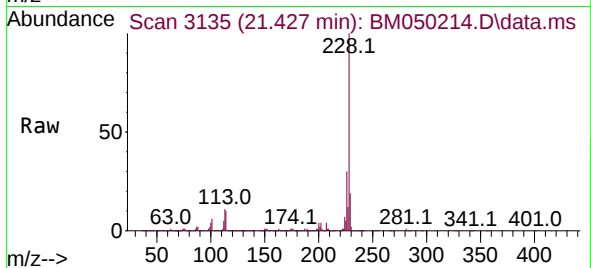
Tgt Ion:228 Resp: 3203963

Ion Ratio Lower Upper

228 100

226 30.3 24.3 36.5

229 19.4 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.142 ng

RT: 21.315 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

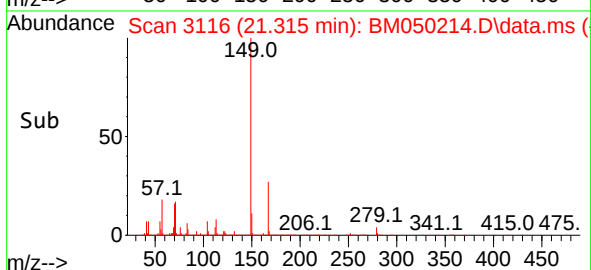
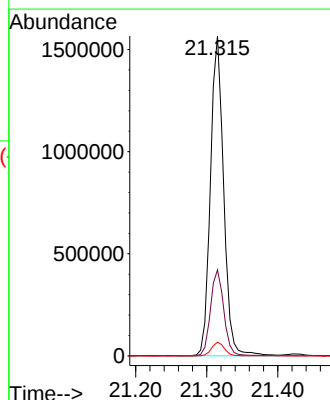
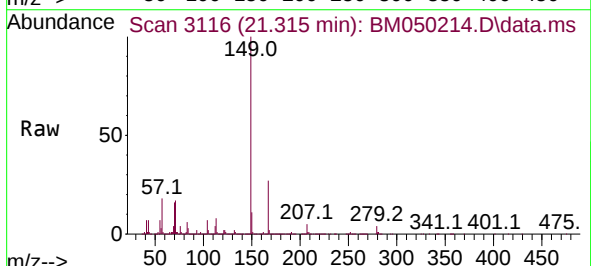
Tgt Ion:149 Resp: 2017255

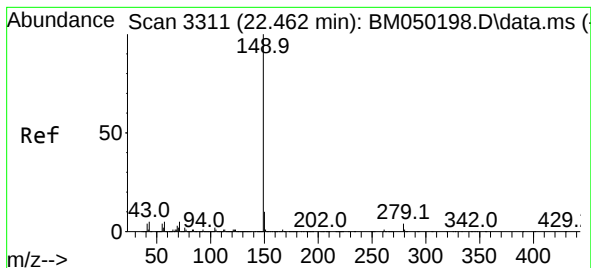
Ion Ratio Lower Upper

149 100

167 26.9 22.3 33.5

279 4.3 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 55.495 ng

RT: 22.456 min Scan# 3311

Delta R.T. -0.006 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

Instrument :

BNA_M

ClientSampleId :

COMP-12MSD

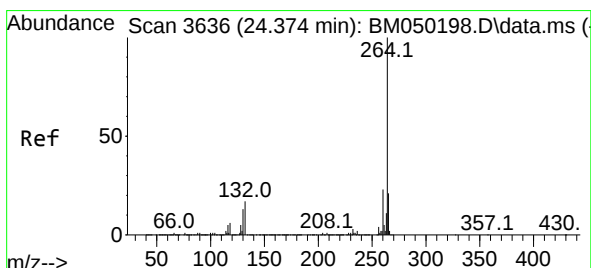
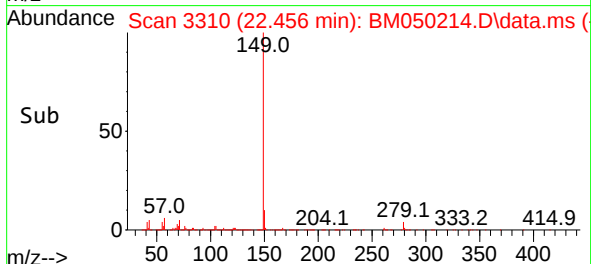
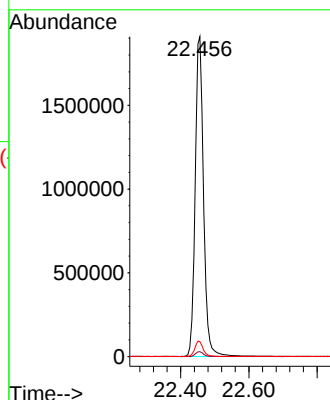
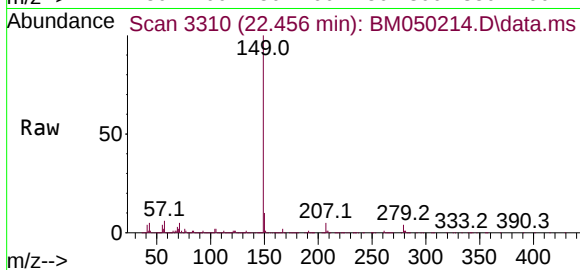
Tgt Ion:149 Resp: 3248139

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 4.8 3.8 5.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.368 min Scan# 3635

Delta R.T. -0.006 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

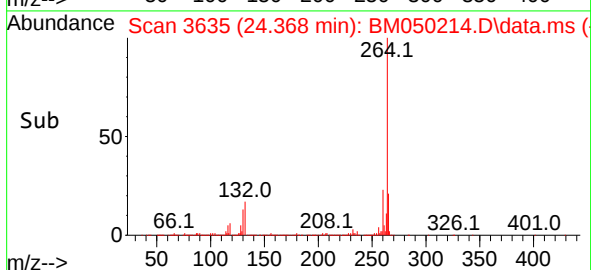
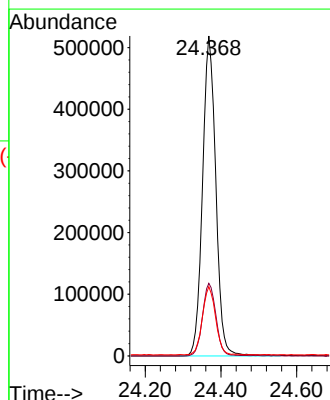
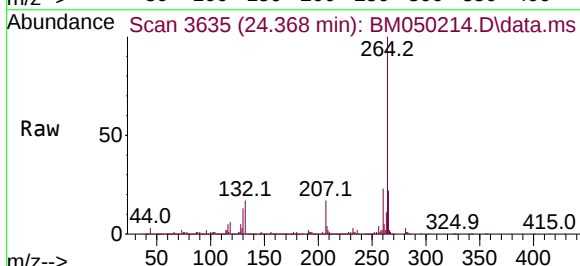
Tgt Ion:264 Resp: 1259322

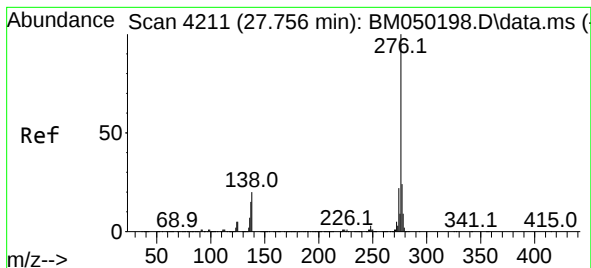
Ion Ratio Lower Upper

264 100

260 22.7 18.6 28.0

265 21.6 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 52.994 ng

RT: 27.744 min Scan# 4211

Delta R.T. -0.018 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

Instrument :

BNA_M

ClientSampleId :

COMP-12MSD

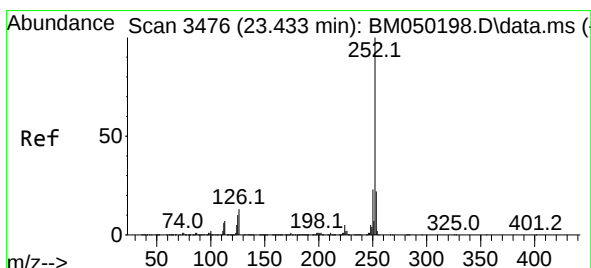
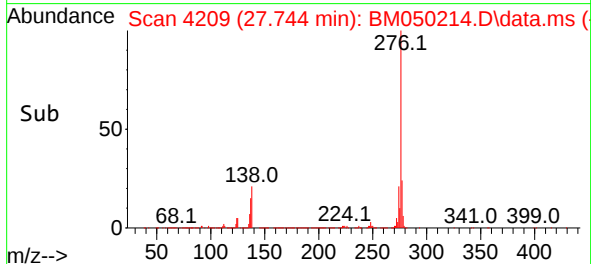
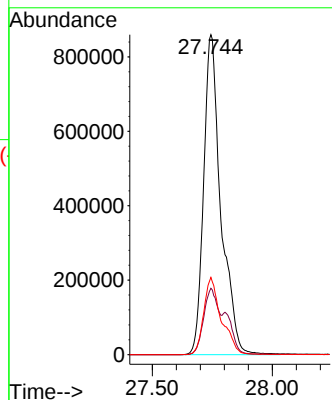
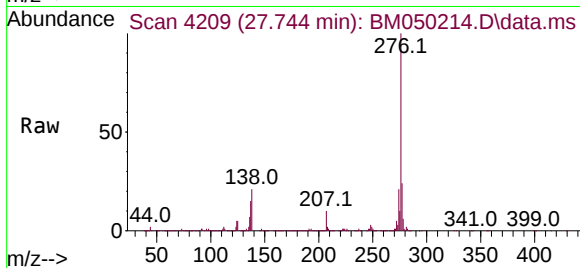
Tgt Ion:276 Resp: 4296977

Ion Ratio Lower Upper

276 100

138 18.2 20.6 30.8#

277 24.6 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 46.823 ng

RT: 23.433 min Scan# 3476

Delta R.T. -0.006 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

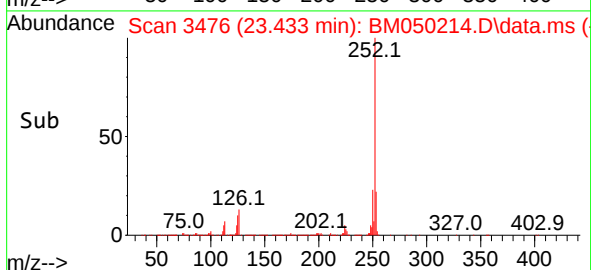
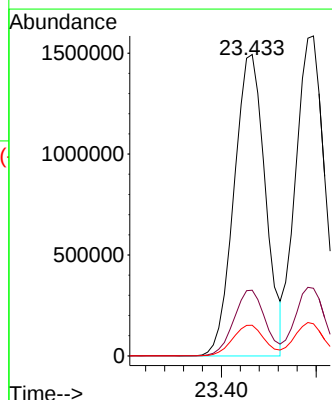
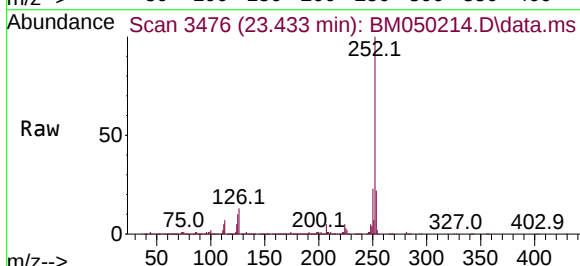
Tgt Ion:252 Resp: 3428235

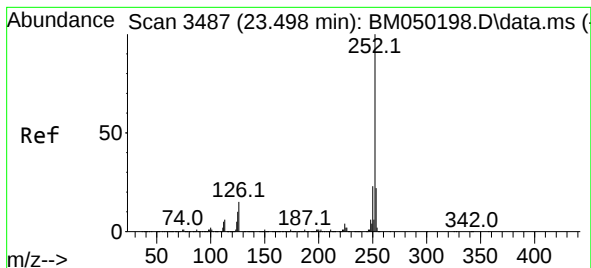
Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

125 10.2 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 45.960 ng

RT: 23.497 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

Instrument :

BNA_M

ClientSampleId :

COMP-12MSD

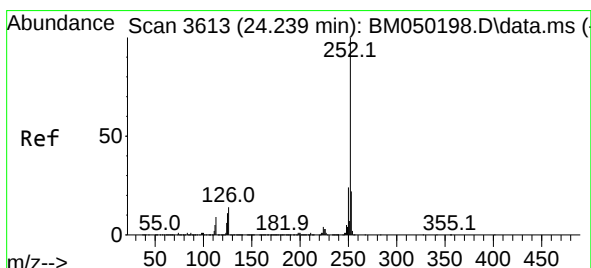
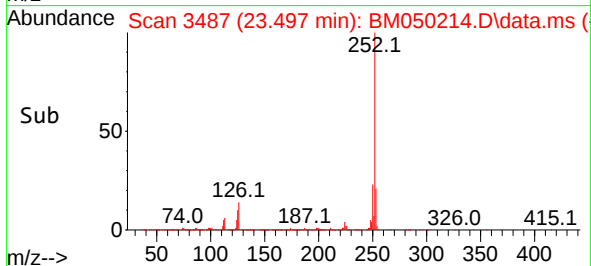
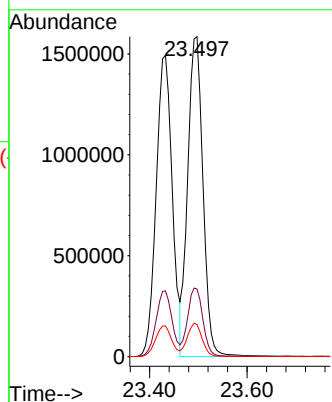
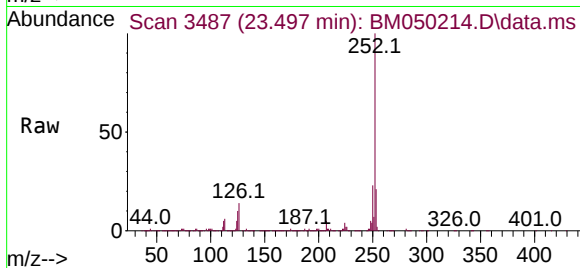
Tgt Ion:252 Resp: 3435270

Ion Ratio Lower Upper

252 100

253 21.1 17.4 26.2

125 10.0 8.2 12.4



#90

Benzo(a)pyrene

Concen: 48.199 ng

RT: 24.232 min Scan# 3612

Delta R.T. -0.006 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

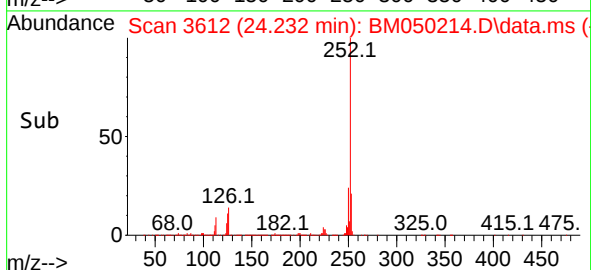
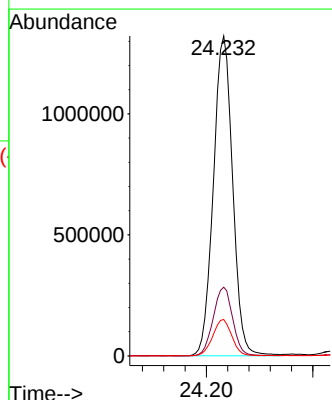
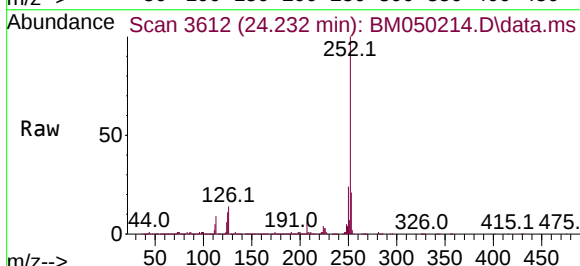
Tgt Ion:252 Resp: 3318053

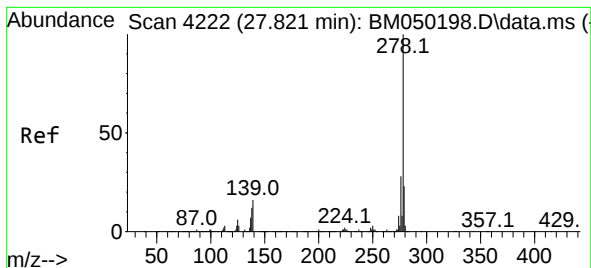
Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

125 11.4 9.0 13.4





#91

Dibenzo(a,h)anthracene

Concen: 52.578 ng

RT: 27.815 min Scan# 4221

Delta R.T. -0.006 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

Instrument :

BNA_M

ClientSampleId :

COMP-12MSD

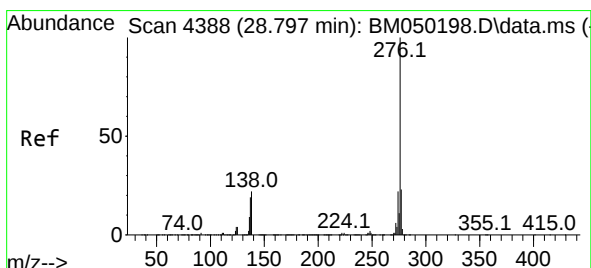
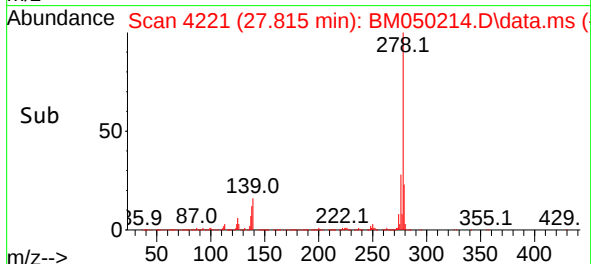
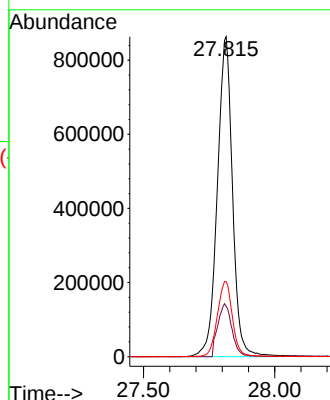
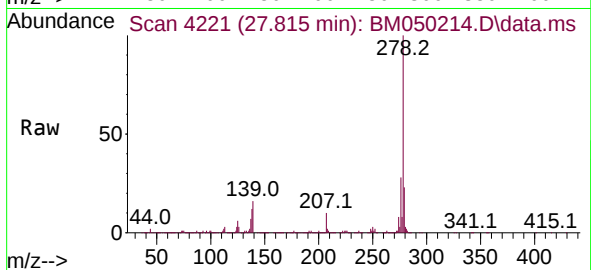
Tgt Ion:278 Resp: 3460522

Ion Ratio Lower Upper

278 100

139 15.8 12.8 19.2

279 23.5 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 53.558 ng

RT: 28.797 min Scan# 4388

Delta R.T. -0.018 min

Lab File: BM050214.D

Acq: 06 Jun 2025 14:46

Tgt Ion:276 Resp: 3528136

Ion Ratio Lower Upper

276 100

277 23.5 18.6 27.8

138 22.2 17.8 26.6

