

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042325\
 Data File : BM050014.D
 Acq On : 23 Apr 2025 15:16
 Operator : RC/JU
 Sample : Q1852-07MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 72-12013MSD

Quant Time: Apr 23 16:11:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 09 04:00:55 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	270803	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	919060	20.000	ng	-0.02
39) Acenaphthene-d10	14.410	164	576233	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1111719	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1219355	20.000	ng	0.00
86) Perylene-d12	24.403	264	1284687	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	1556338	97.590	ng	0.00
7) Phenol-d6	6.952	99	1924323	96.983	ng	0.00
23) Nitrobenzene-d5	8.922	82	1131619	68.564	ng	-0.01
42) 2,4,6-Tribromophenol	15.904	330	891584	106.375	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	2707705	63.719	ng	-0.02
79) Terphenyl-d14	19.780	244	4108760	63.148	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.252	88	242569	36.933	ng	99
3) Pyridine	3.652	79	671063	38.889	ng	99
4) n-Nitrosodimethylamine	3.558	42	285346	43.452	ng	97
6) Aniline	7.093	93	407327	23.958	ng	100
8) 2-Chlorophenol	7.334	128	737994	45.156	ng	99
9) Benzaldehyde	6.905	77	364941	35.841	ng	98
10) Phenol	6.975	94	871077	44.987	ng	99
11) bis(2-Chloroethyl)ether	7.187	93	693552	45.676	ng	99
12) 1,3-Dichlorobenzene	7.652	146	863101	44.669	ng	99
13) 1,4-Dichlorobenzene	7.799	146	865444	44.514	ng	98
14) 1,2-Dichlorobenzene	8.116	146	835026	45.599	ng	98
15) Benzyl Alcohol	8.010	79	574377	45.971	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.287	45	812956	48.035	ng	100
17) 2-Methylphenol	8.222	107	559369	46.879	ng	99
18) Hexachloroethane	8.840	117	303265	44.835	ng	96
19) n-Nitroso-di-n-propyla...	8.569	70	495907	45.126	ng	99
20) 3+4-Methylphenols	8.551	107	742289	45.630	ng	99
22) Acetophenone	8.587	105	992832	44.450	ng	# 98
24) Nitrobenzene	8.963	77	718816	45.230	ng	98
25) Isophorone	9.493	82	1331485	48.158	ng	100
26) 2-Nitrophenol	9.675	139	380169	45.133	ng	99
27) 2,4-Dimethylphenol	9.746	122	614402	64.363	ng	98
28) bis(2-Chloroethoxy)met...	9.969	93	834864	45.103	ng	98
29) 2,4-Dichlorophenol	10.222	162	704612	44.405	ng	99
30) 1,2,4-Trichlorobenzene	10.422	180	838235	45.664	ng	100
31) Naphthalene	10.604	128	2046492	43.335	ng	100
32) Benzoic acid	9.910	122	415542	37.410	ng	98
33) 4-Chloroaniline	10.728	127	231030	13.854	ng	98
34) Hexachlorobutadiene	10.893	225	537419	47.330	ng	99
35) Caprolactam	11.516	113	192849	42.375	ng	96
36) 4-Chloro-3-methylphenol	11.869	107	609438	43.847	ng	98
37) 2-Methylnaphthalene	12.222	142	1317219	39.588	ng	100
38) 1-Methylnaphthalene	12.445	142	1381472	42.617	ng	99
40) 1,2,4,5-Tetrachloroben...	12.598	216	927904	46.028	ng	99
41) Hexachlorocyclopentadiene	12.575	237	905237	128.149	ng	99
43) 2,4,6-Trichlorophenol	12.845	196	596596	46.507	ng	99

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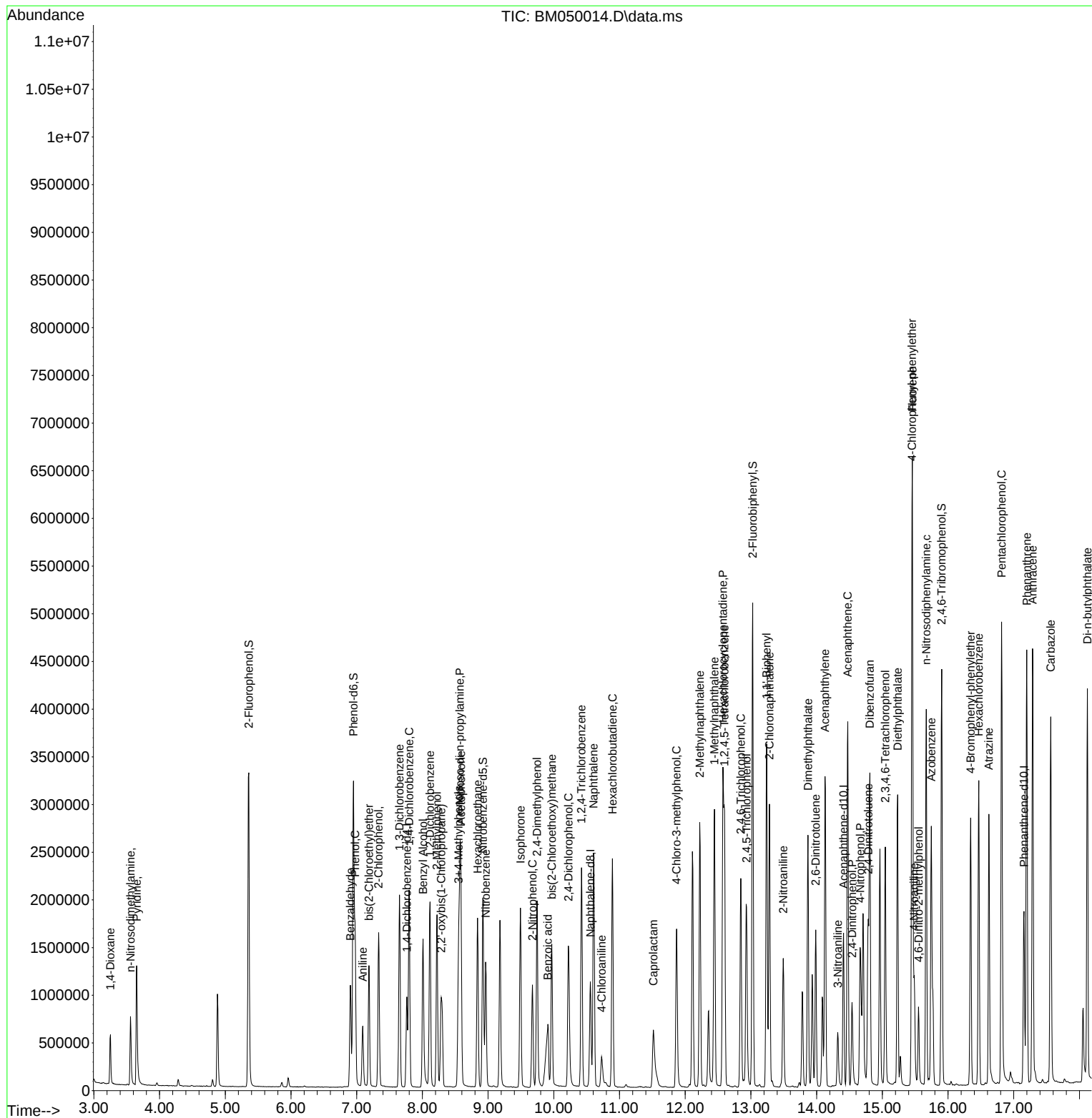
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.934	196	638670	45.814	ng	100
46) 1,1'-Biphenyl	13.239	154	1912166	44.640	ng	100
47) 2-Chloronaphthalene	13.281	162	1520531	45.163	ng	99
48) 2-Nitroaniline	13.492	65	366638	47.072	ng	96
49) Acenaphthylene	14.128	152	2362755	48.178	ng	99
50) Dimethylphthalate	13.869	163	1794372	44.139	ng	99
51) 2,6-Dinitrotoluene	13.986	165	393074	46.150	ng	99
52) Acenaphthene	14.475	154	1368281	43.862	ng	99
53) 3-Nitroaniline	14.322	138	176879	21.487	ng	96
54) 2,4-Dinitrophenol	14.539	184	259414	45.484	ng	98
55) Dibenzofuran	14.810	168	2238964	42.934	ng	99
56) 4-Nitrophenol	14.663	139	660843	90.085	ng	99
57) 2,4-Dinitrotoluene	14.786	165	552838	48.654	ng	94
58) Fluorene	15.457	166	1839953	44.387	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.045	232	544449	44.560	ng	98
60) Diethylphthalate	15.233	149	1748483	44.850	ng	99
61) 4-Chlorophenyl-phenyle...	15.451	204	1004403	45.194	ng	100
62) 4-Nitroaniline	15.486	138	357323	41.974	ng	97
63) Azobenzene	15.745	77	1667726	49.966	ng	98
65) 4,6-Dinitro-2-methylph...	15.551	198	212409	30.320	ng	96
66) n-Nitrosodiphenylamine	15.669	169	1537908	46.226	ng	99
67) 4-Bromophenyl-phenylether	16.345	248	606925	47.028	ng	97
68) Hexachlorobenzene	16.469	284	696413	47.045	ng	99
69) Atrazine	16.622	200	563607	65.337	ng	99
70) Pentachlorophenol	16.816	266	987653	90.624	ng	99
71) Phenanthrene	17.198	178	2829185	46.419	ng	100
72) Anthracene	17.286	178	2900234	48.286	ng	99
73) Carbazole	17.563	167	2619834	46.309	ng	100
74) Di-n-butylphthalate	18.121	149	3014992	46.270	ng	99
75) Fluoranthene	19.215	202	3536949	47.198	ng	99
77) Benzidine	19.404	184	1402740	86.715	ng	100
78) Pyrene	19.580	202	3715192	44.210	ng	99
80) Butylbenzylphthalate	20.474	149	1375415	43.558	ng	99
81) Benzo(a)anthracene	21.380	228	3893781	48.049	ng	100
82) 3,3'-Dichlorobenzidine	21.304	252	814630	26.619	ng	100
83) Chrysene	21.445	228	3590117	46.599	ng	99
84) Bis(2-ethylhexyl)phtha...	21.298	149	2022532	43.962	ng	99
85) Di-n-octyl phthalate	22.427	149	3412440	42.399	ng	100
87) Indeno(1,2,3-cd)pyrene	27.803	276	4536229	47.370	ng	99
88) Benzo(b)fluoranthene	23.456	252	3839997	46.802	ng	99
89) Benzo(k)fluoranthene	23.515	252	3781835	47.564	ng	100
90) Benzo(a)pyrene	24.262	252	3584913	49.723	ng	99
91) Dibenzo(a,h)anthracene	27.850	278	3693540	46.826	ng	99
92) Benzo(g,h,i)perylene	28.856	276	3499678	43.419	ng	99

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

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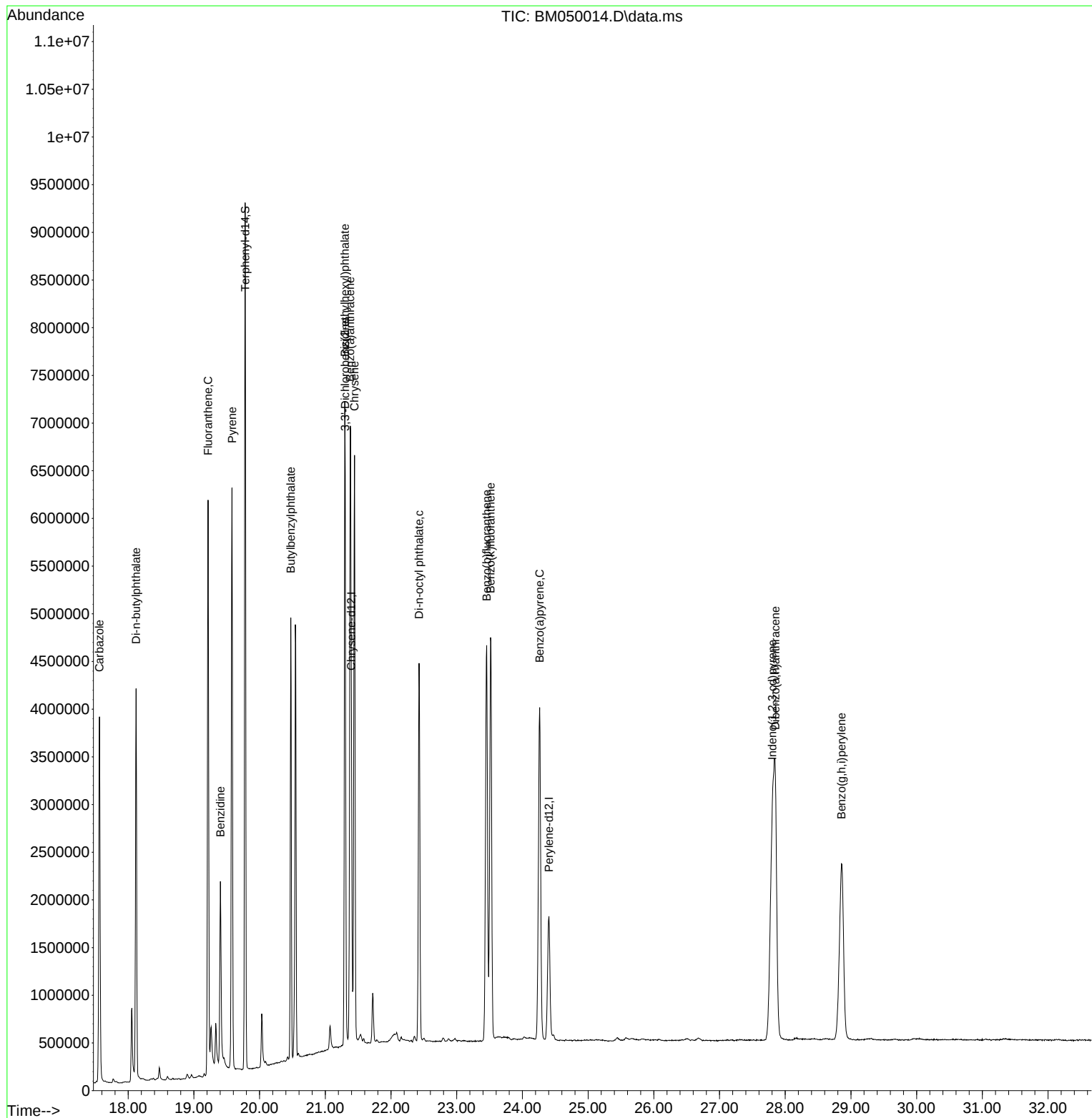
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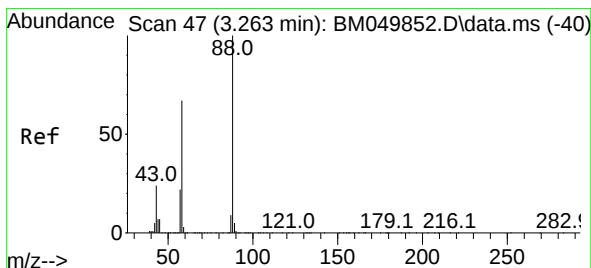
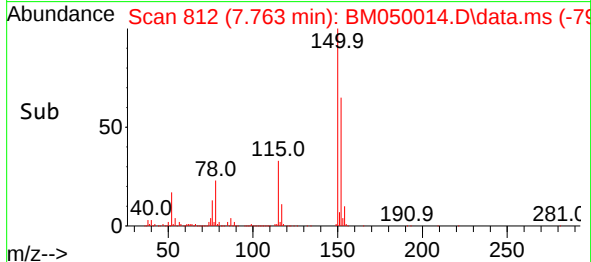
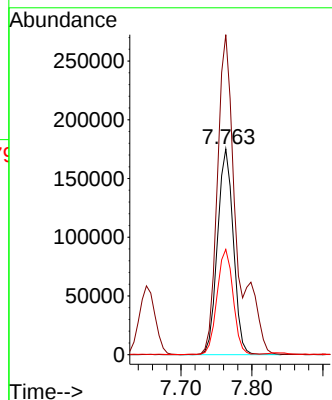
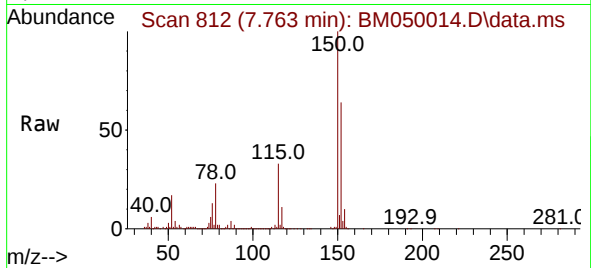




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.018 min
Lab File: BM050014.D
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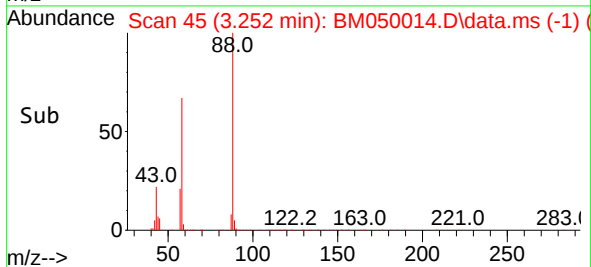
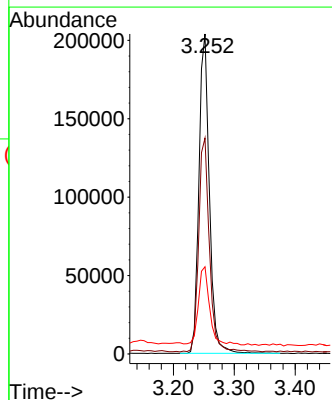
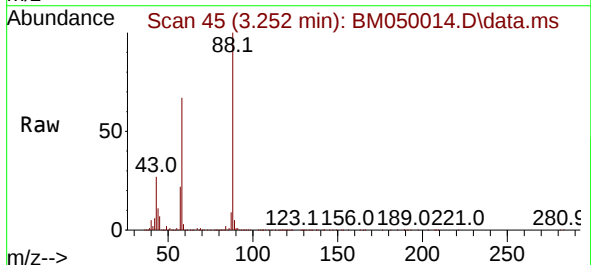
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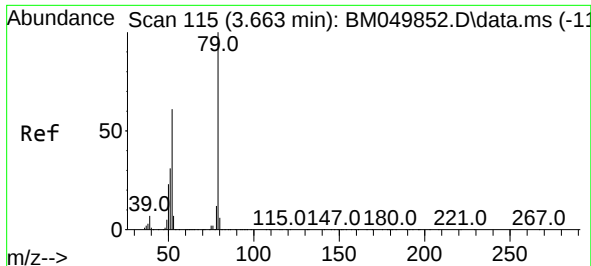
Tgt Ion:152 Resp: 270803
Ion Ratio Lower Upper
152 100
150 155.5 124.3 186.5
115 51.1 41.1 61.7



#2
1,4-Dioxane
Concen: 36.933 ng
RT: 3.252 min Scan# 45
Delta R.T. -0.012 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion: 88 Resp: 242569
Ion Ratio Lower Upper
88 100
58 68.6 54.1 81.1
43 24.8 20.2 30.4





#3

Pyridine

Concen: 38.889 ng

RT: 3.652 min Scan# 11

Delta R.T. -0.011 min

Lab File: BM050014.D

Acq: 23 Apr 2025 15:16

Instrument :

BNA_M

ClientSampleId :

72-12013MSD

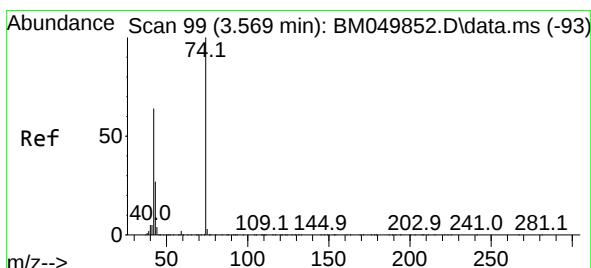
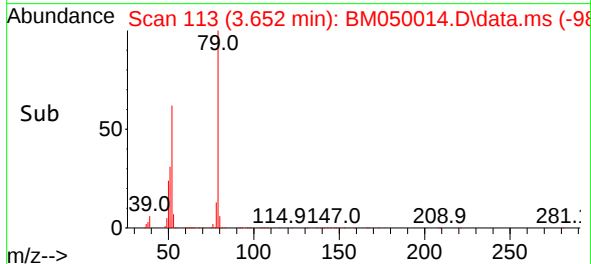
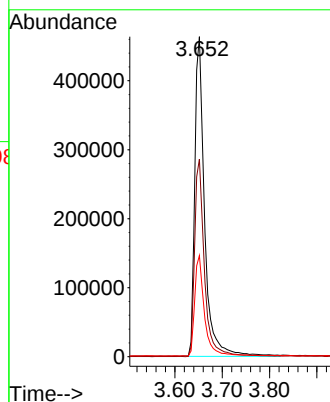
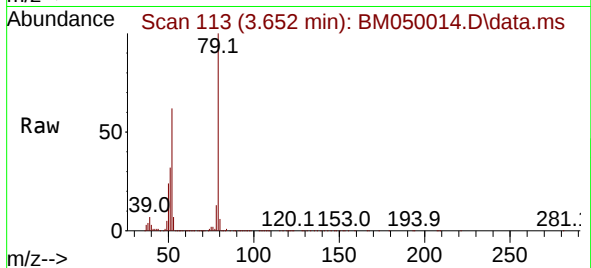
Tgt Ion: 79 Resp: 671063

Ion Ratio Lower Upper

79 100

52 61.7 48.9 73.3

51 31.6 25.0 37.6



#4

n-Nitrosodimethylamine

Concen: 43.452 ng

RT: 3.558 min Scan# 97

Delta R.T. -0.011 min

Lab File: BM050014.D

Acq: 23 Apr 2025 15:16

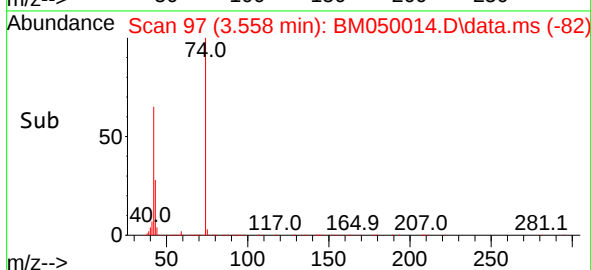
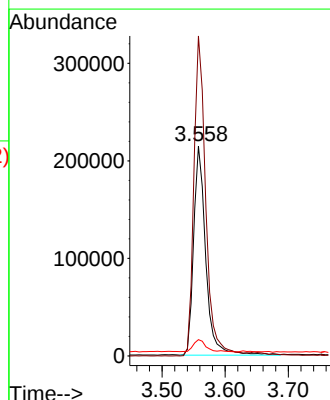
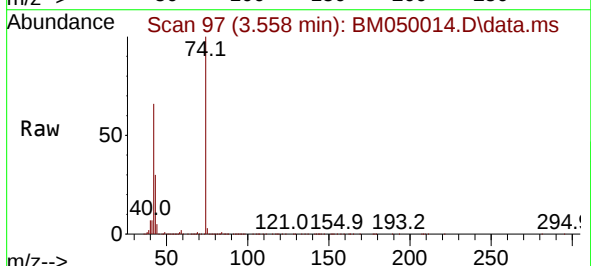
Tgt Ion: 42 Resp: 285346

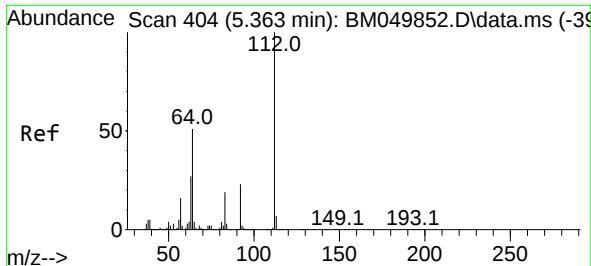
Ion Ratio Lower Upper

42 100

74 152.5 125.4 188.2

44 7.8 5.9 8.9

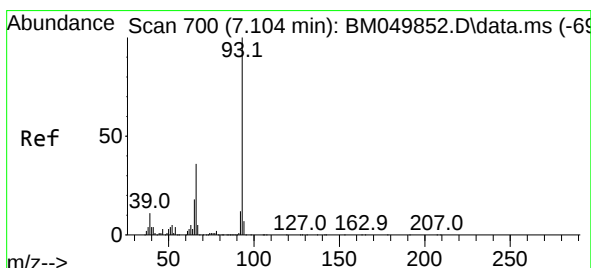
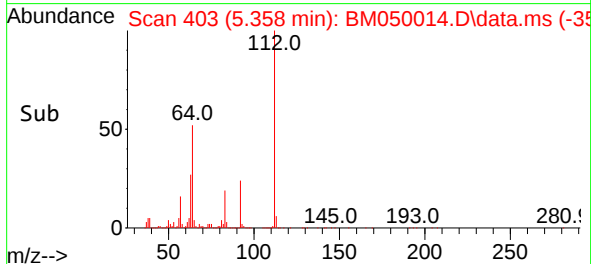
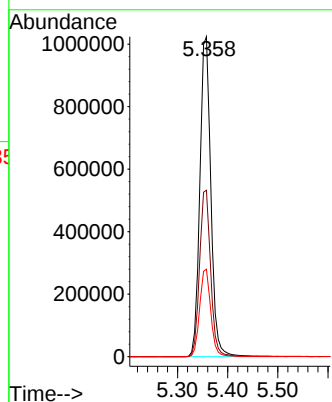
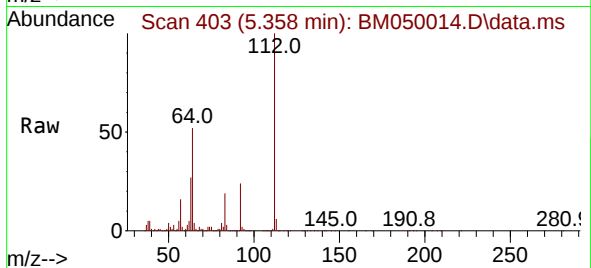




#5
2-Fluorophenol
Concen: 97.590 ng
RT: 5.358 min Scan# 404
Delta R.T. -0.006 min
Lab File: BM050014.D
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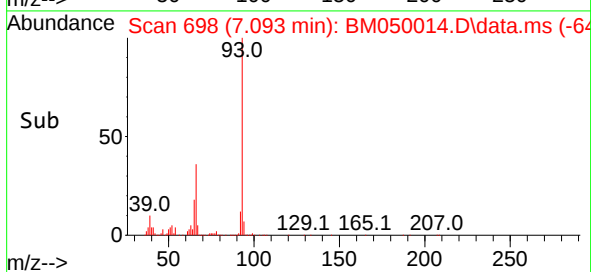
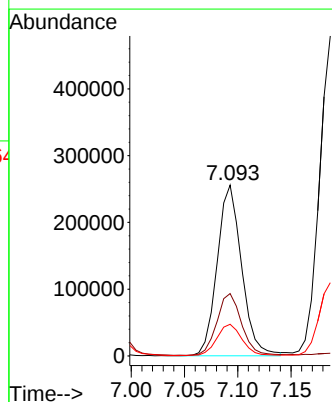
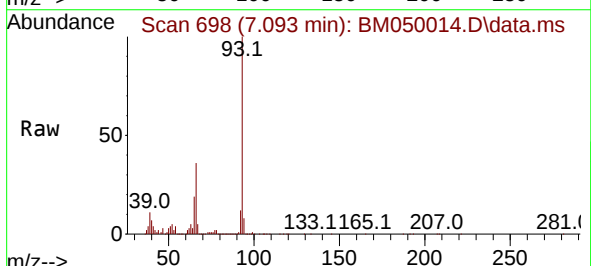
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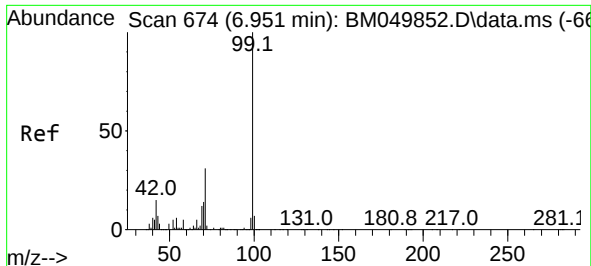
Tgt Ion:112 Resp: 1556338
Ion Ratio Lower Upper
112 100
64 52.0 41.0 61.6
63 27.4 21.5 32.3



#6
Aniline
Concen: 23.958 ng
RT: 7.093 min Scan# 698
Delta R.T. -0.012 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion: 93 Resp: 407327
Ion Ratio Lower Upper
93 100
66 36.5 29.1 43.7
65 18.5 14.9 22.3

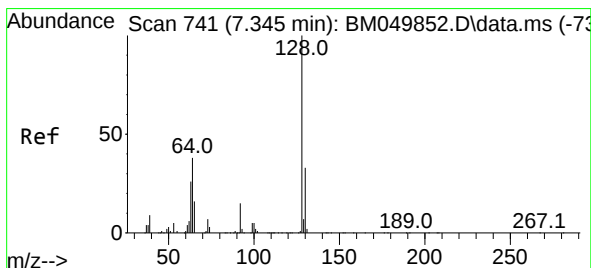
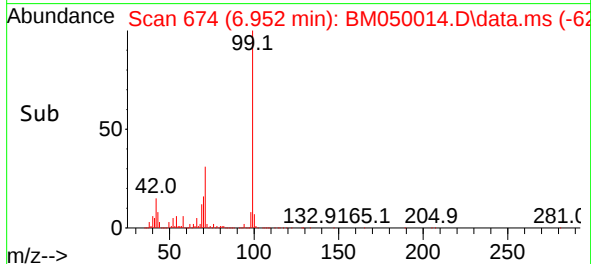
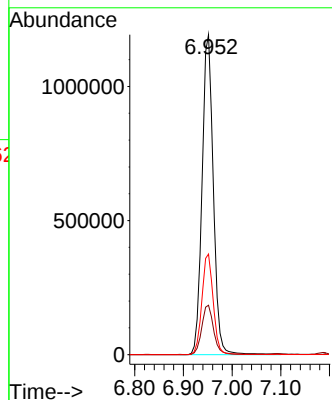
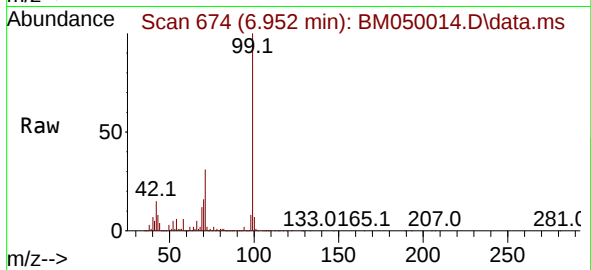




#7
Phenol-d6
Concen: 96.983 ng
RT: 6.952 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM050014.D
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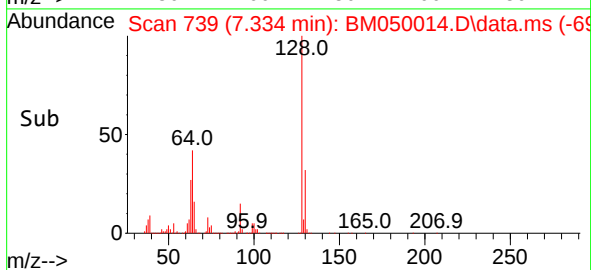
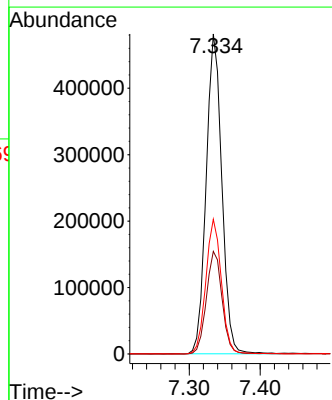
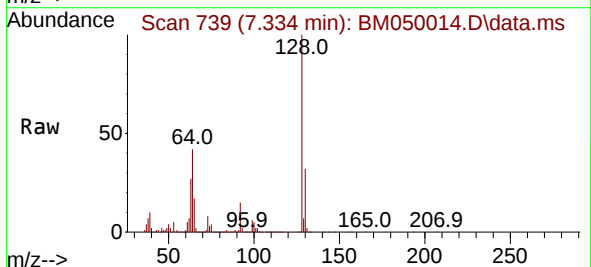
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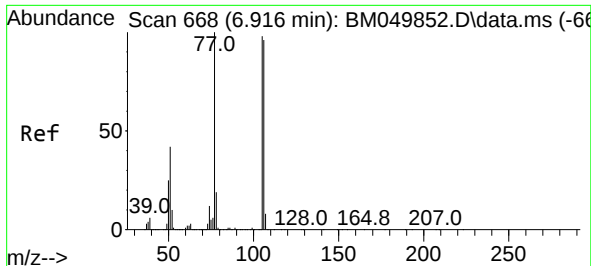
Tgt Ion: 99 Resp: 1924323
Ion Ratio Lower Upper
99 100
42 15.4 12.1 18.1
71 31.5 24.9 37.3



#8
2-Chlorophenol
Concen: 45.156 ng
RT: 7.334 min Scan# 739
Delta R.T. -0.011 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion: 128 Resp: 737994
Ion Ratio Lower Upper
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130 32.0 12.6 52.6
64 42.1 21.1 61.1

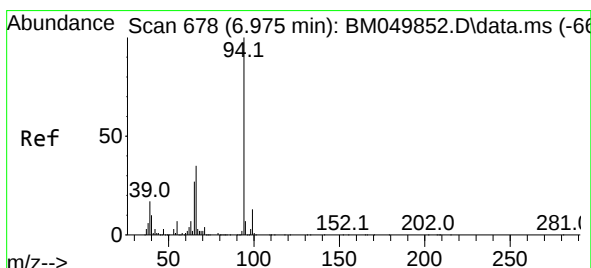
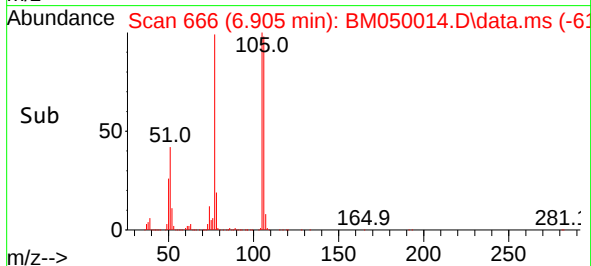
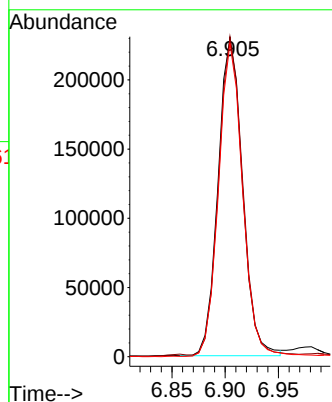
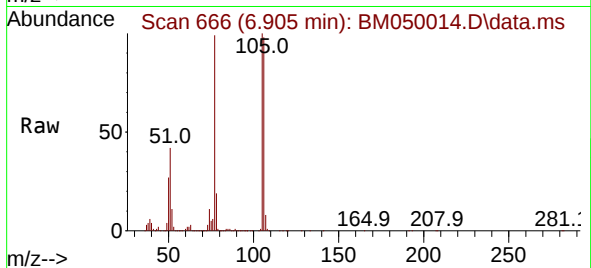




#9
Benzaldehyde
Concen: 35.841 ng
RT: 6.905 min Scan# 666
Delta R.T. -0.011 min
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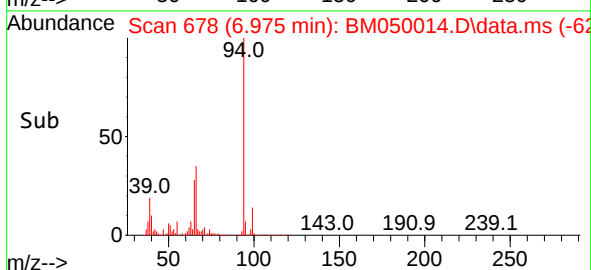
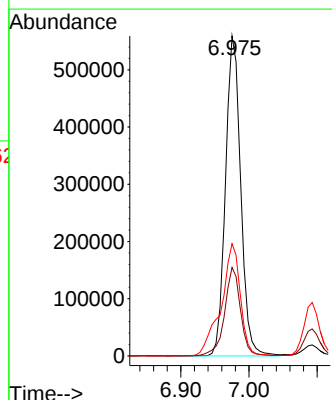
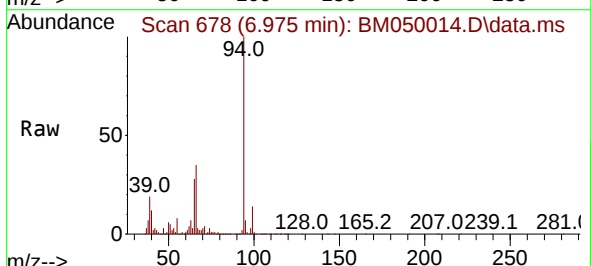
Instrument :
BNA_M
ClientSampleId :
72-12013MSD

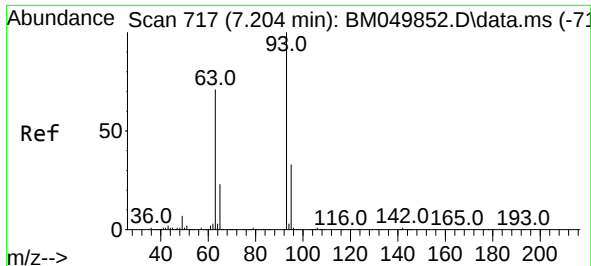
Tgt Ion: 77 Resp: 364941
Ion Ratio Lower Upper
77 100
105 100.6 78.3 118.3
106 98.5 76.0 116.0



#10
Phenol
Concen: 44.987 ng
RT: 6.975 min Scan# 678
Delta R.T. 0.000 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion: 94 Resp: 871077
Ion Ratio Lower Upper
94 100
65 27.7 7.3 47.3
66 35.1 14.8 54.8

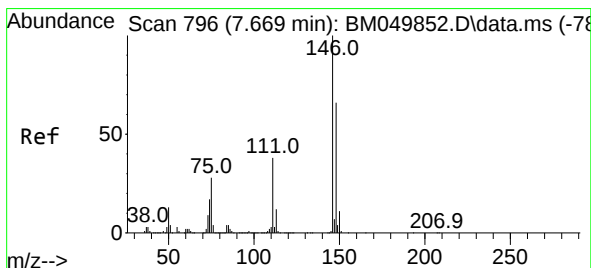
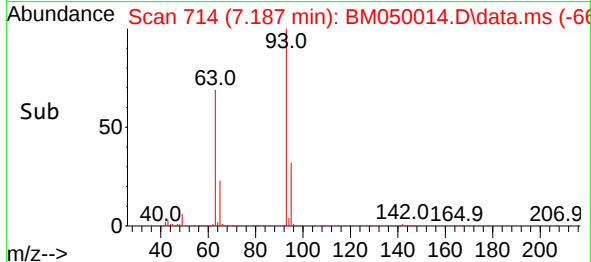
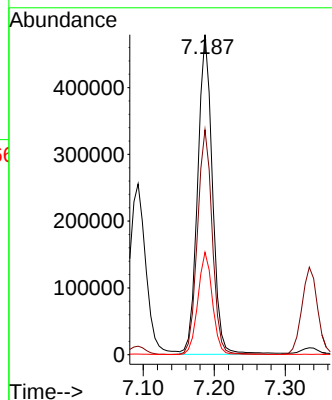
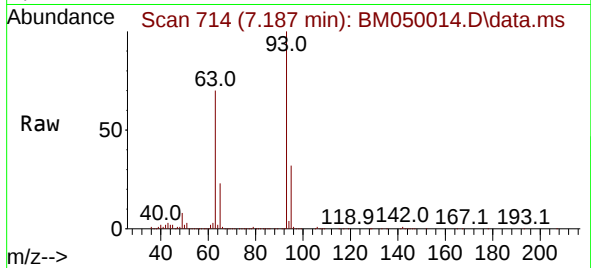




#11
bis(2-Chloroethyl)ether
Concen: 45.676 ng
RT: 7.187 min Scan# 714
Delta R.T. -0.017 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

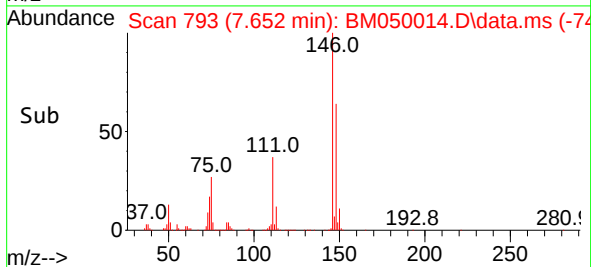
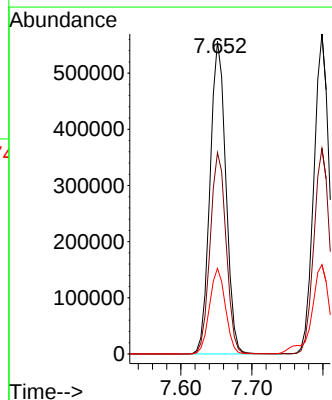
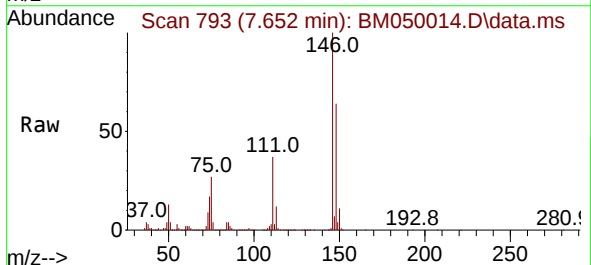
Instrument :
BNA_M
ClientSampleId :
72-12013MSD

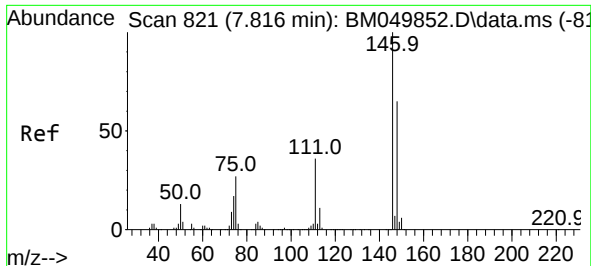
Tgt Ion: 93 Resp: 693552
Ion Ratio Lower Upper
93 100
63 70.3 50.9 90.9
95 32.0 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 44.669 ng
RT: 7.652 min Scan# 793
Delta R.T. -0.017 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion: 146 Resp: 863101
Ion Ratio Lower Upper
146 100
148 64.4 52.5 78.7
75 27.4 22.5 33.7

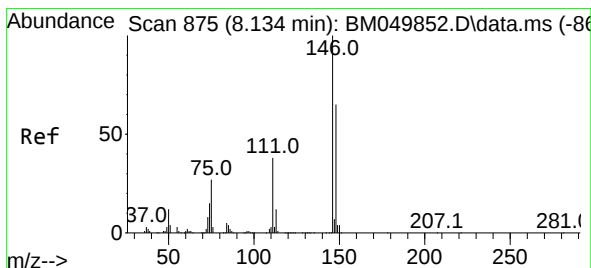
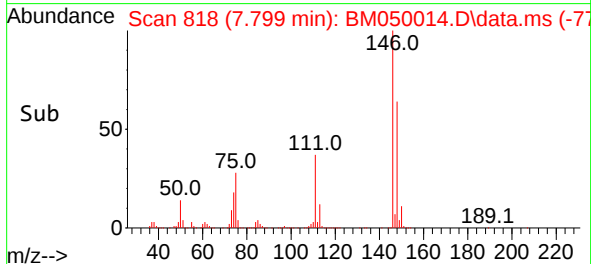
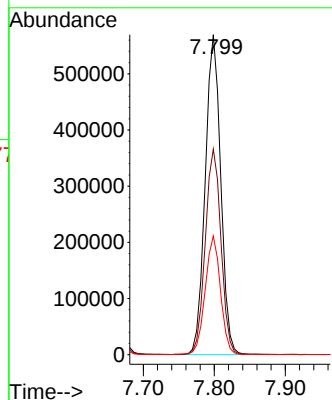
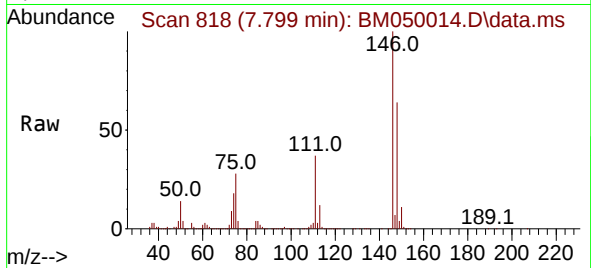




#13
1,4-Dichlorobenzene
Concen: 44.514 ng
RT: 7.799 min Scan# 81
Delta R.T. -0.017 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

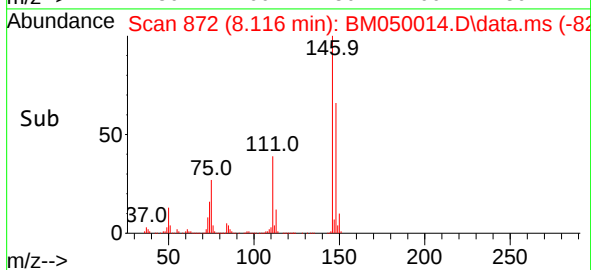
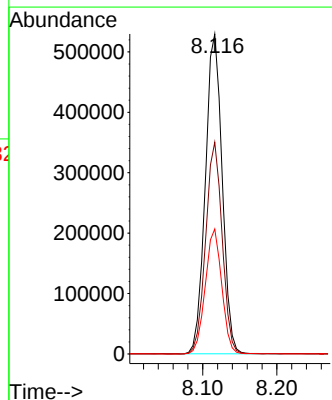
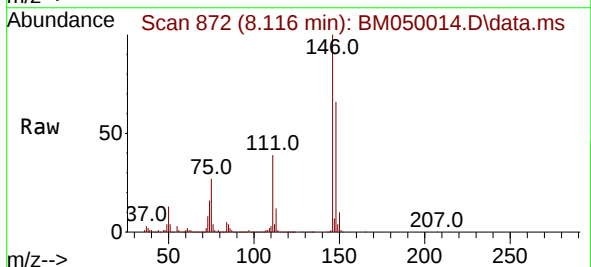
Instrument :
BNA_M
ClientSampleId :
72-12013MSD

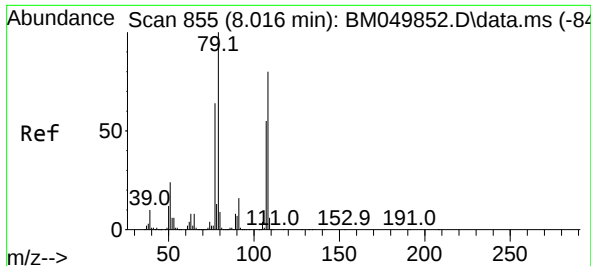
Tgt Ion:146 Resp: 865444
Ion Ratio Lower Upper
146 100
148 64.2 52.4 78.6
111 37.1 28.5 42.7



#14
1,2-Dichlorobenzene
Concen: 45.599 ng
RT: 8.116 min Scan# 872
Delta R.T. -0.017 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion:146 Resp: 835026
Ion Ratio Lower Upper
146 100
148 66.1 51.8 77.8
111 39.1 30.2 45.4

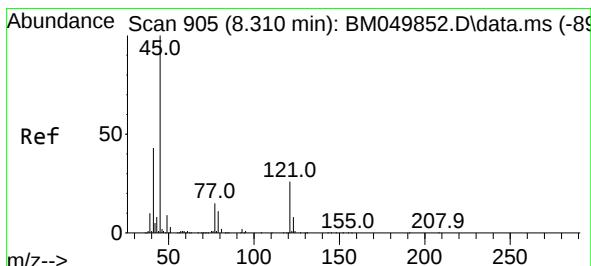
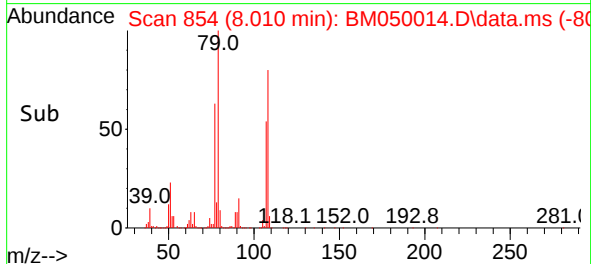
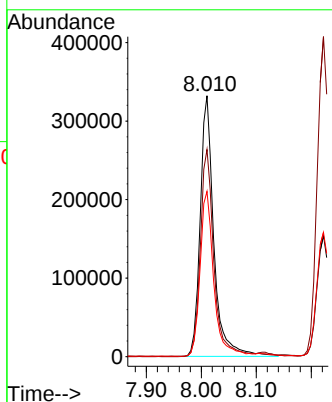
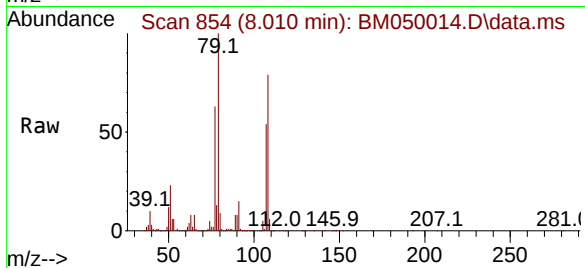




#15
Benzyl Alcohol
Concen: 45.971 ng
RT: 8.010 min Scan# 855
Delta R.T. -0.006 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

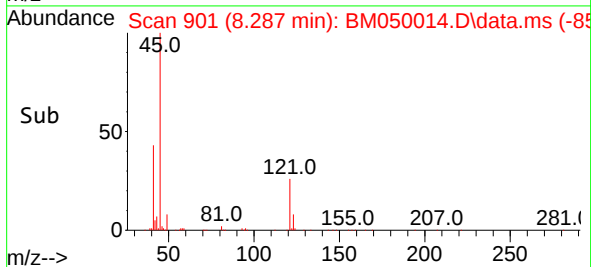
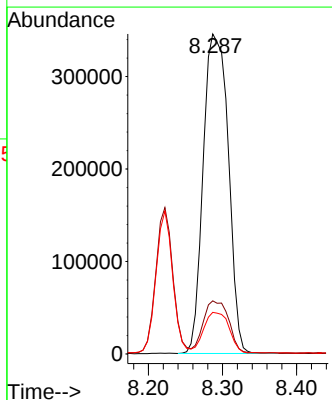
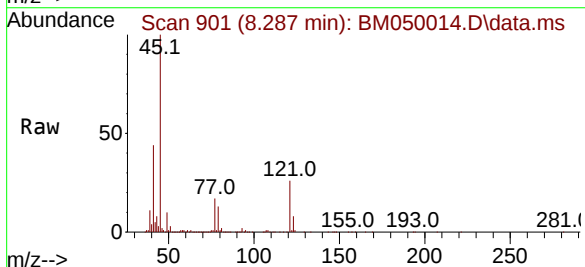
Instrument :
BNA_M
ClientSampleId :
72-12013MSD

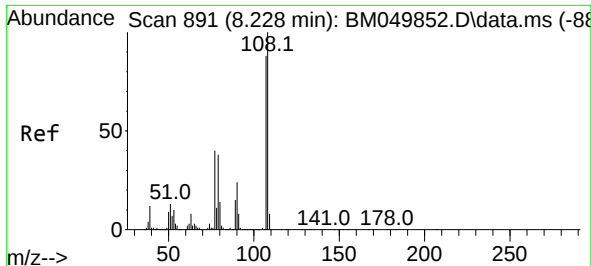
Tgt Ion: 79 Resp: 574377
Ion Ratio Lower Upper
79 100
108 79.4 63.6 95.4
77 63.3 51.3 76.9



#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.035 ng
RT: 8.287 min Scan# 901
Delta R.T. -0.023 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion: 45 Resp: 812956
Ion Ratio Lower Upper
45 100
77 16.6 0.0 36.9
79 13.0 0.0 32.9

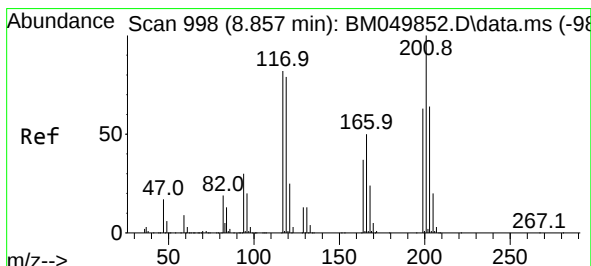
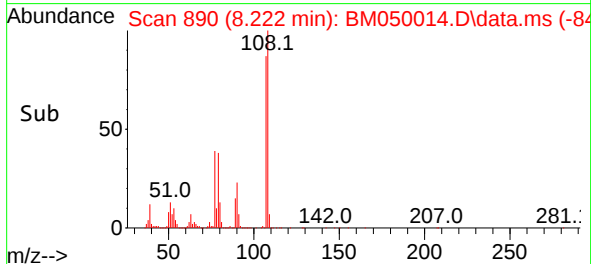
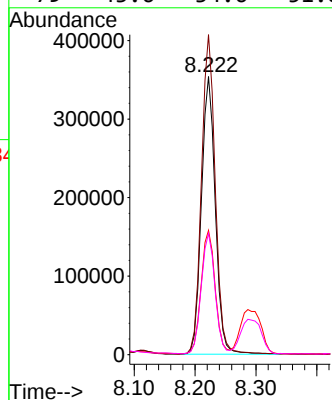
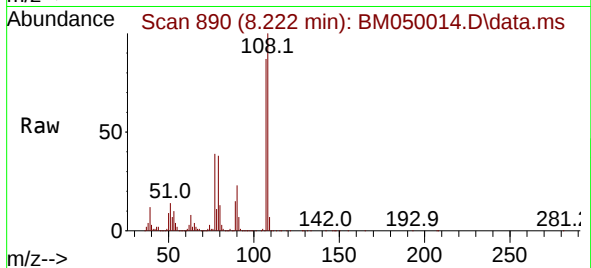




#17
2-Methylphenol
Concen: 46.879 ng
RT: 8.222 min Scan# 891
Delta R.T. -0.006 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

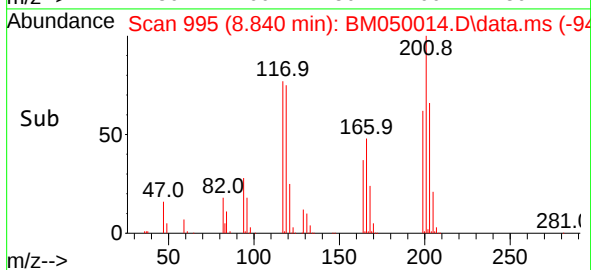
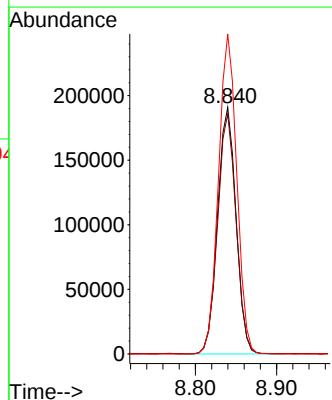
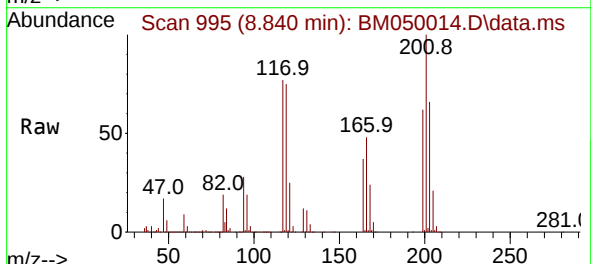
Instrument :
BNA_M
ClientSampleId :
72-12013MSD

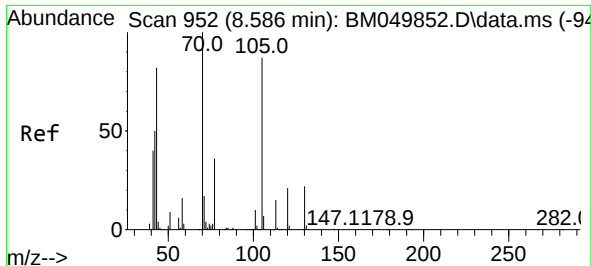
Tgt Ion:	107	Resp:	559369
Ion	Ratio	Lower	Upper
107	100		
108	115.1	91.0	136.6
77	44.7	36.5	54.7
79	43.6	34.6	51.8



#18
Hexachloroethane
Concen: 44.835 ng
RT: 8.840 min Scan# 995
Delta R.T. -0.017 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion:	117	Resp:	303265
Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.5	116.3
201	129.8	97.7	146.5





#19

n-Nitroso-di-n-propylamine

Concen: 45.126 ng

RT: 8.569 min Scan# 949

Delta R.T. -0.017 min

Lab File: BM050014.D

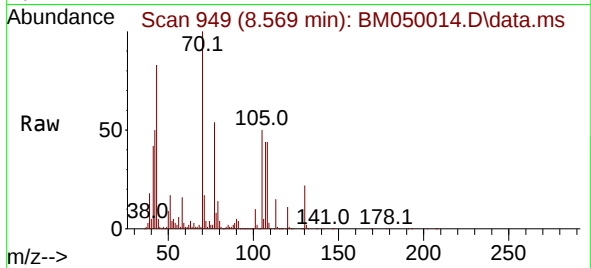
Acq: 23 Apr 2025 15:16

Instrument :

BNA_M

ClientSampleId :

72-12013MSD



Tgt Ion: 70 Resp: 495907

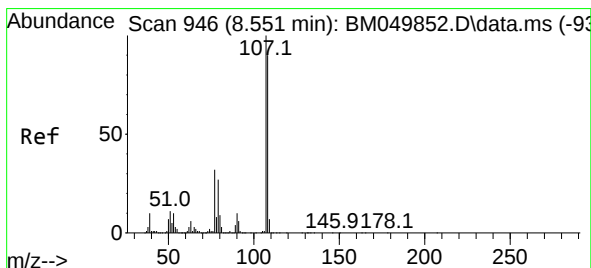
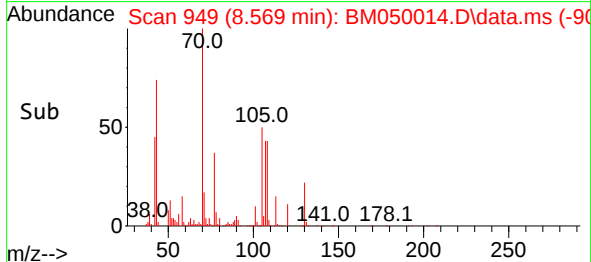
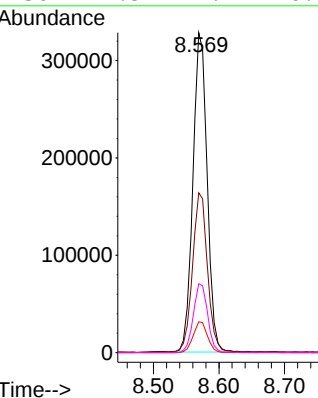
Ion Ratio Lower Upper

70 100

42 50.0 40.2 60.2

101 9.6 7.9 11.9

130 21.5 17.7 26.5



#20

3+4-Methylphenols

Concen: 45.630 ng

RT: 8.551 min Scan# 946

Delta R.T. 0.000 min

Lab File: BM050014.D

Acq: 23 Apr 2025 15:16

Tgt Ion: 107 Resp: 742289

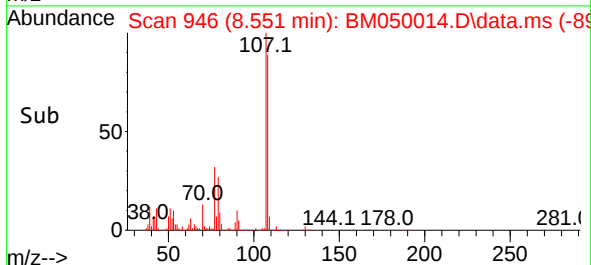
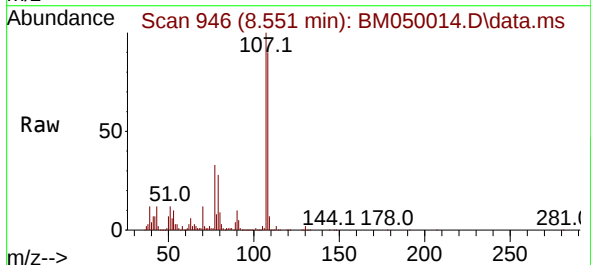
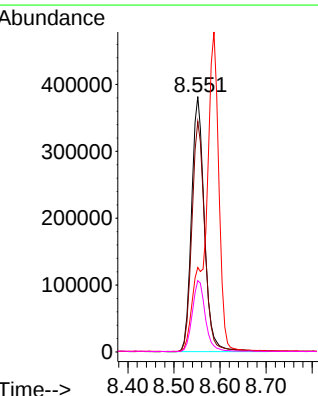
Ion Ratio Lower Upper

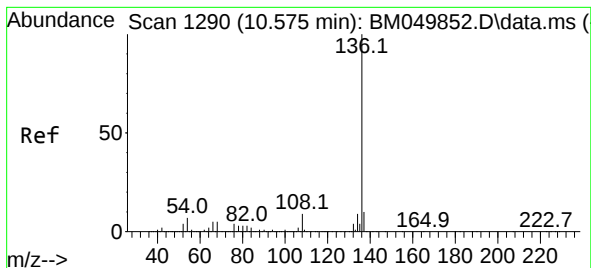
107 100

108 90.2 69.6 109.6

77 33.1 11.7 51.7

79 28.0 7.3 47.3

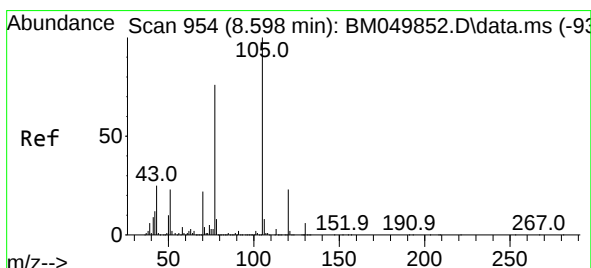
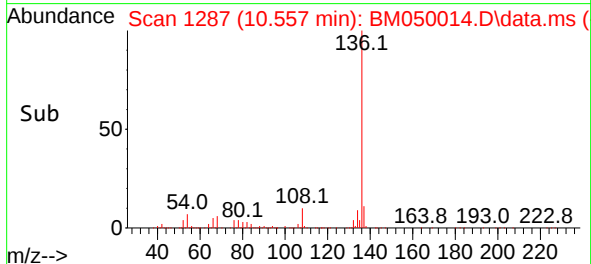
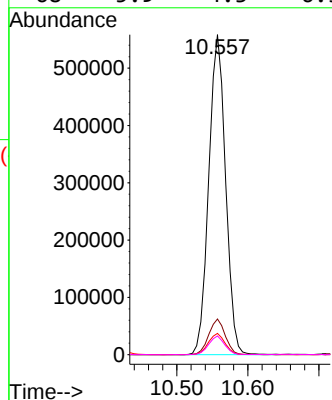
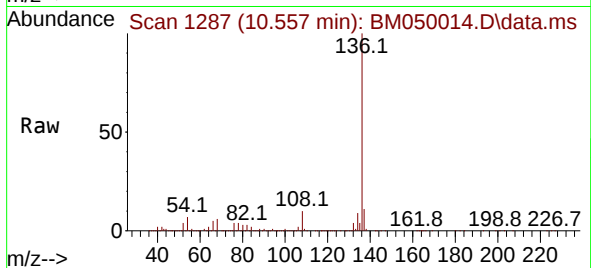




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.017 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

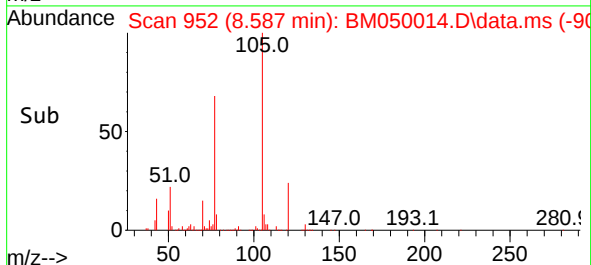
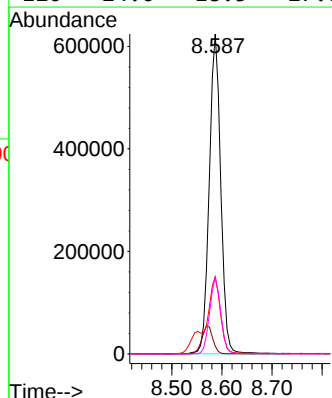
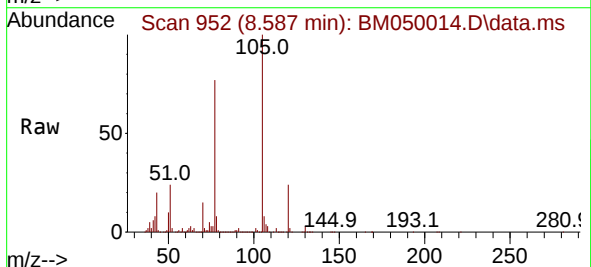
Instrument :
BNA_M
ClientSampleId :
72-12013MSD

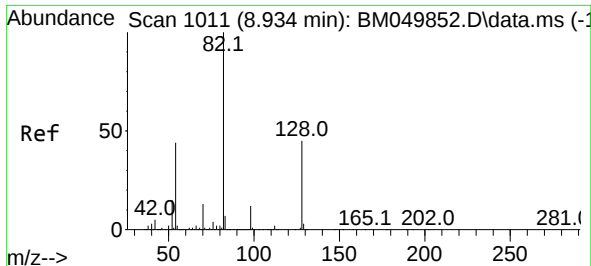
Tgt Ion:	136	Resp:	919060
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	6.7	5.3	7.9
68	5.9	4.3	6.5



#22
Acetophenone
Concen: 44.450 ng
RT: 8.587 min Scan# 952
Delta R.T. -0.011 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion:	105	Resp:	992832
Ion	Ratio	Lower	Upper
105	100		
71	2.4	3.0	4.4
51	24.1	18.6	27.8
120	24.0	18.5	27.7

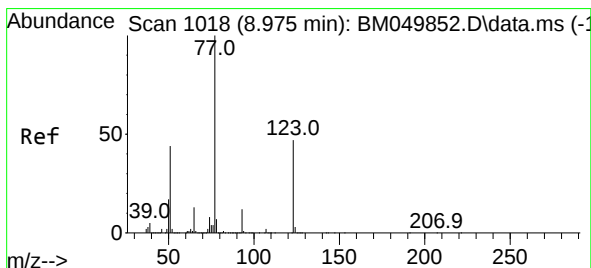
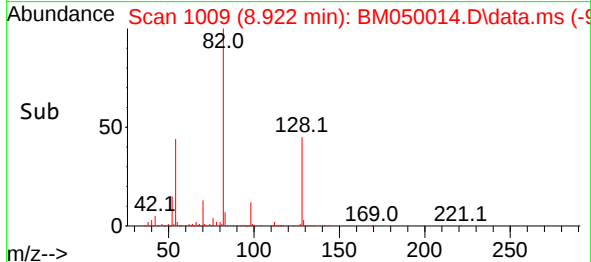
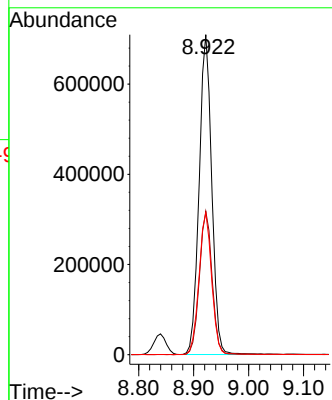
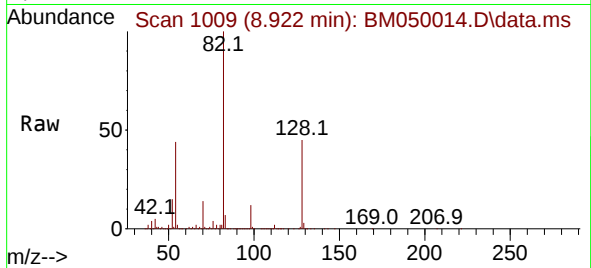




#23
Nitrobenzene-d5
Concen: 68.564 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.011 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

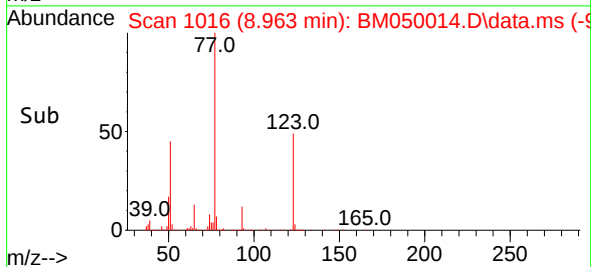
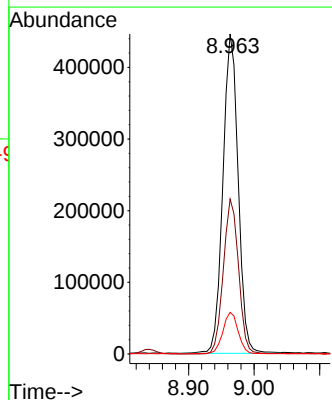
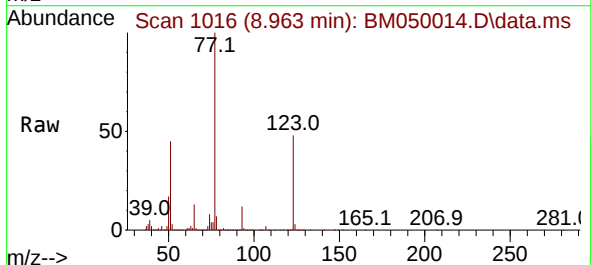
Instrument :
BNA_M
ClientSampleId :
72-12013MSD

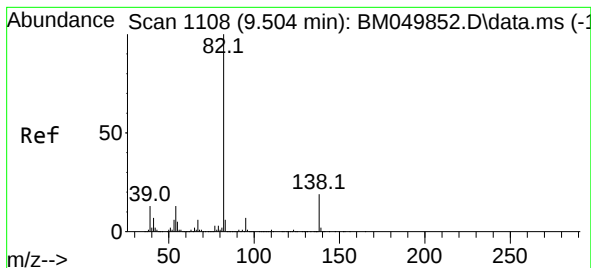
Tgt Ion: 82 Resp: 1131619
Ion Ratio Lower Upper
82 100
128 44.8 36.2 54.2
54 44.4 35.0 52.6



#24
Nitrobenzene
Concen: 45.230 ng
RT: 8.963 min Scan# 1016
Delta R.T. -0.011 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion: 77 Resp: 718816
Ion Ratio Lower Upper
77 100
123 48.4 37.4 56.2
65 13.0 10.1 15.1





#25

Isophorone

Concen: 48.158 ng

RT: 9.493 min Scan# 1106

Delta R.T. -0.011 min

Lab File: BM050014.D

Acq: 23 Apr 2025 15:16

Instrument :

BNA_M

ClientSampleId :

72-12013MSD

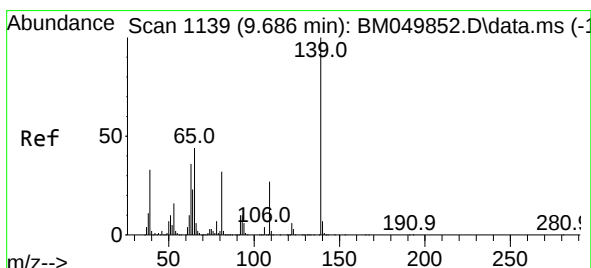
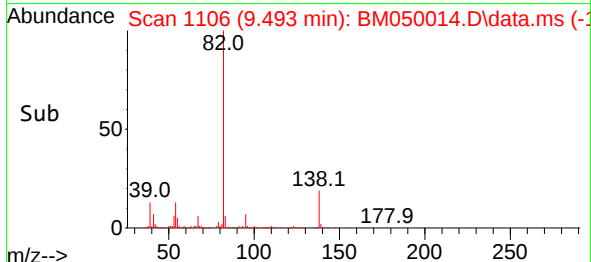
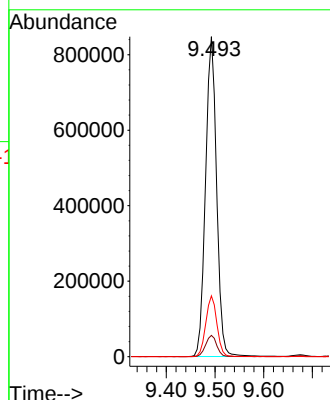
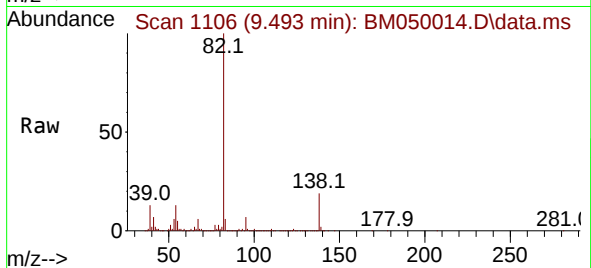
Tgt Ion: 82 Resp: 1331485

Ion Ratio Lower Upper

82 100

95 6.7 5.4 8.2

138 19.0 15.0 22.6



#26

2-Nitrophenol

Concen: 45.133 ng

RT: 9.675 min Scan# 1137

Delta R.T. -0.011 min

Lab File: BM050014.D

Acq: 23 Apr 2025 15:16

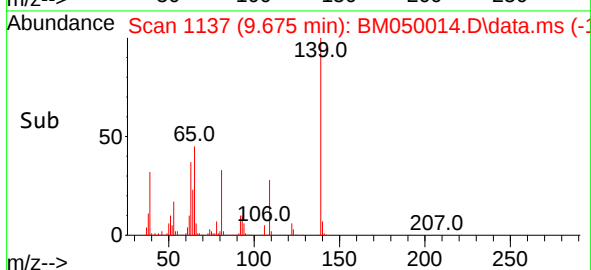
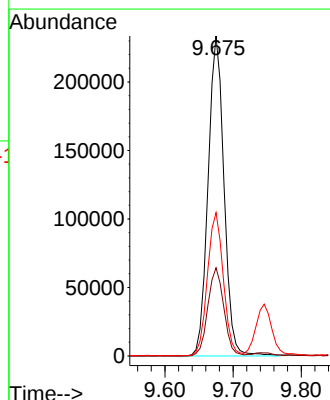
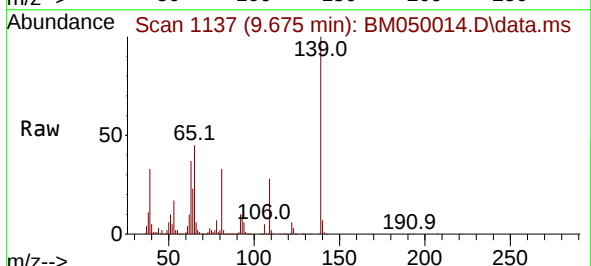
Tgt Ion:139 Resp: 380169

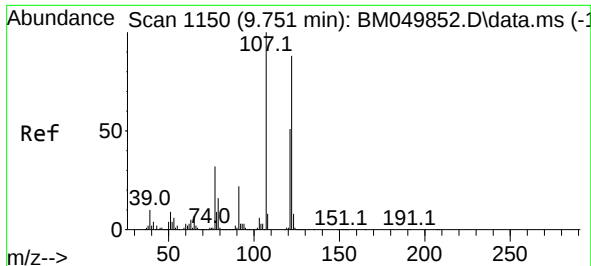
Ion Ratio Lower Upper

139 100

109 27.5 21.7 32.5

65 44.8 35.2 52.8

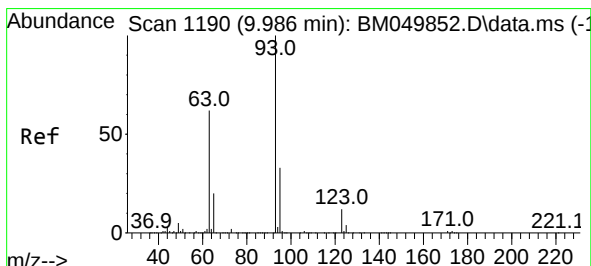
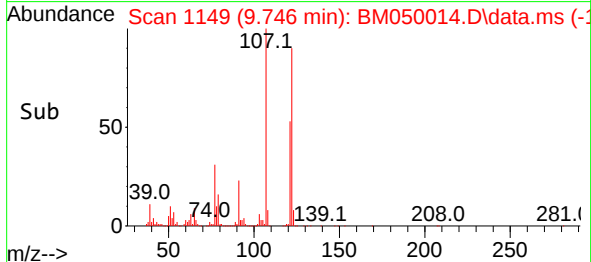
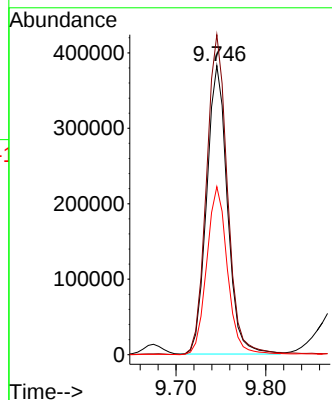
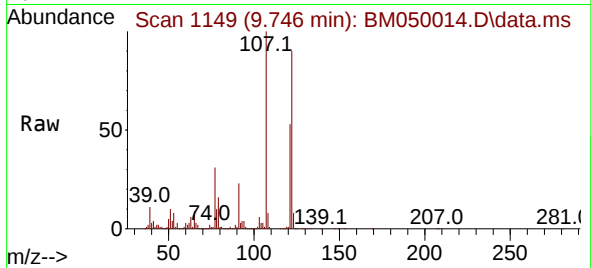




#27
2,4-Dimethylphenol
Concen: 64.363 ng
RT: 9.746 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

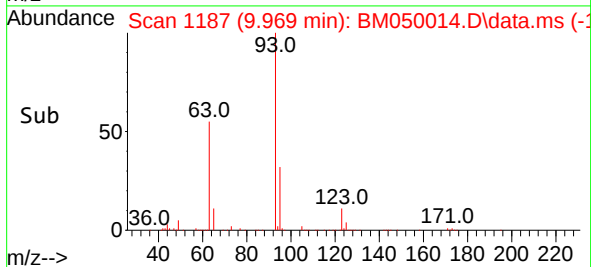
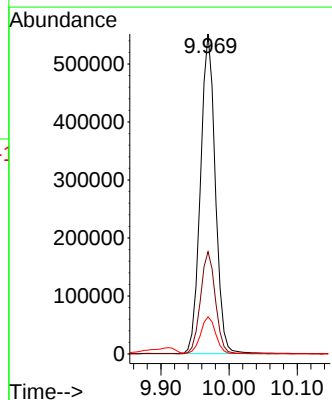
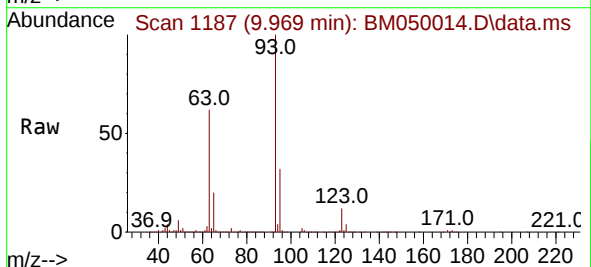
Instrument :
BNA_M
ClientSampleId :
72-12013MSD

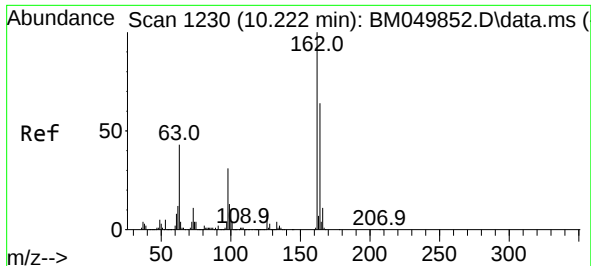
Tgt Ion:122 Resp: 614402
Ion Ratio Lower Upper
122 100
107 110.7 90.3 135.5
121 58.1 46.1 69.1



#28
bis(2-Chloroethoxy)methane
Concen: 45.103 ng
RT: 9.969 min Scan# 1187
Delta R.T. -0.017 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion: 93 Resp: 834864
Ion Ratio Lower Upper
93 100
95 31.9 26.6 40.0
123 11.6 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 44.405 ng

RT: 10.222 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM050014.D

Acq: 23 Apr 2025 15:16

Instrument :

BNA_M

ClientSampleId :

72-12013MSD

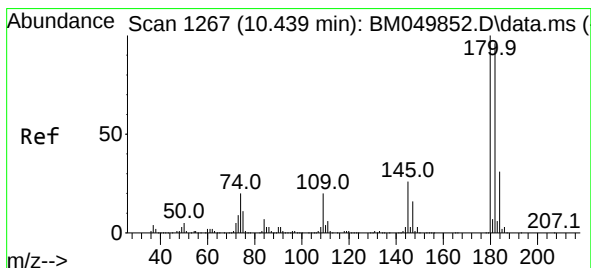
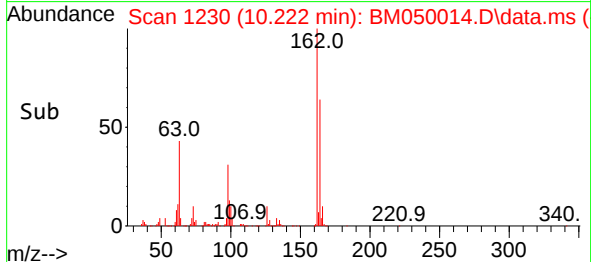
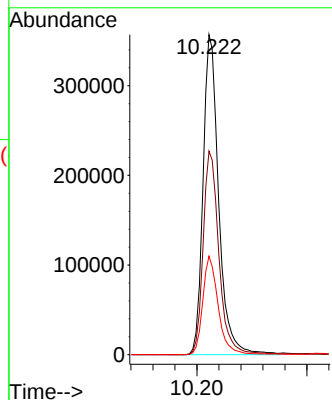
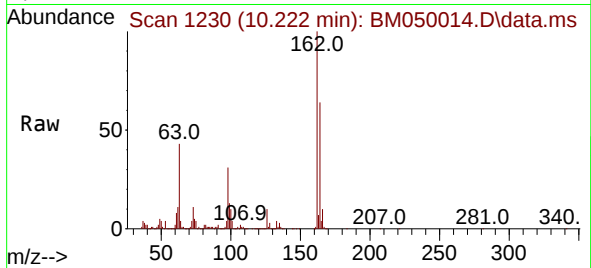
Tgt Ion:162 Resp: 704612

Ion Ratio Lower Upper

162 100

164 63.6 44.3 84.3

98 30.8 10.9 50.9



#30

1,2,4-Trichlorobenzene

Concen: 45.664 ng

RT: 10.422 min Scan# 1264

Delta R.T. -0.017 min

Lab File: BM050014.D

Acq: 23 Apr 2025 15:16

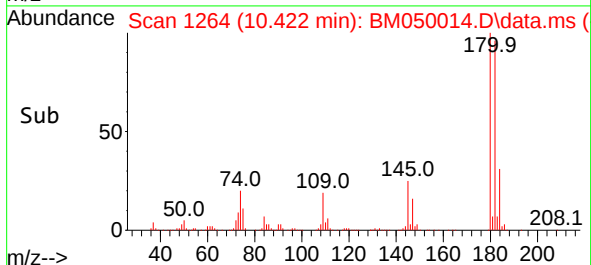
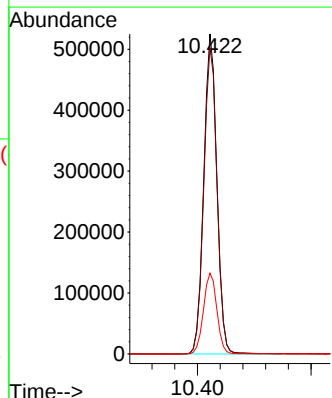
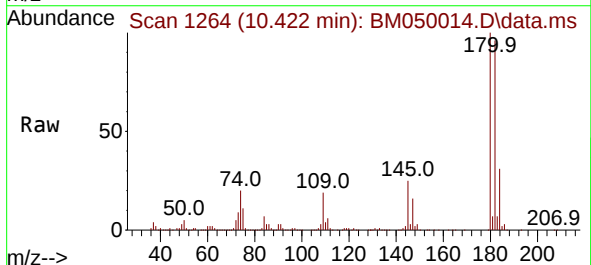
Tgt Ion:180 Resp: 838235

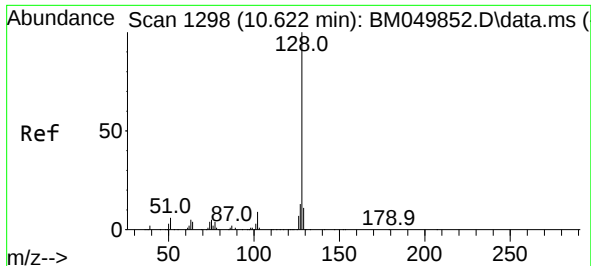
Ion Ratio Lower Upper

180 100

182 95.9 76.7 115.1

145 25.3 20.8 31.2

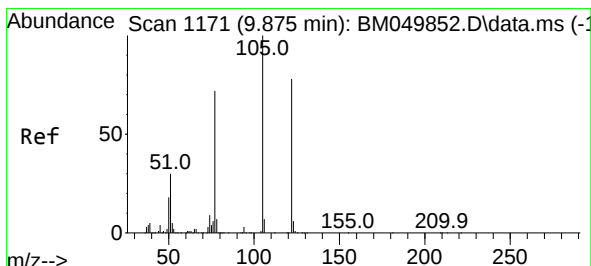
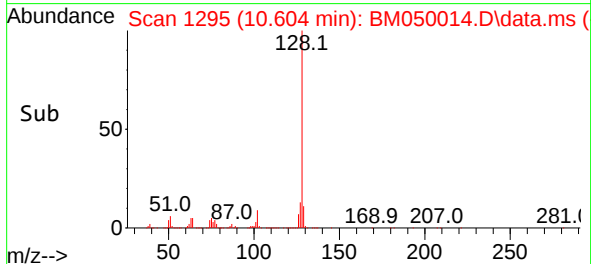
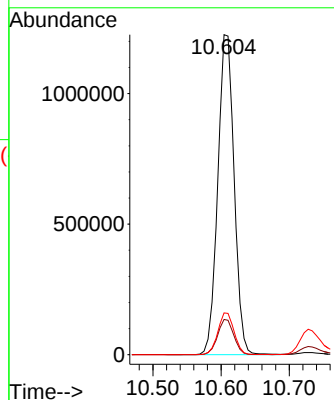
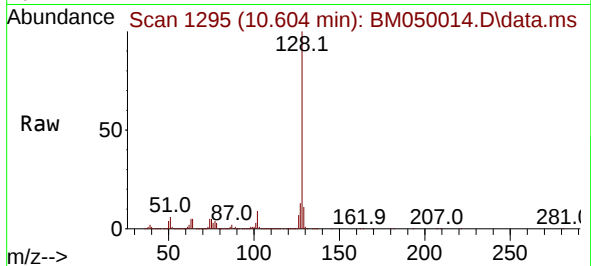




#31
Naphthalene
Concen: 43.335 ng
RT: 10.604 min Scan# 1175
Delta R.T. -0.017 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

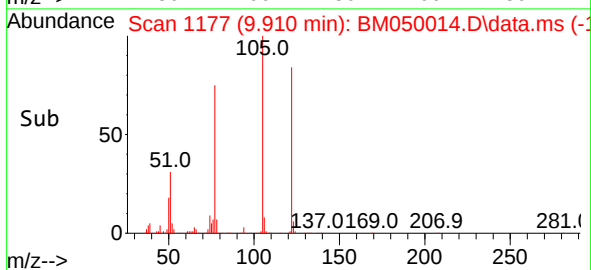
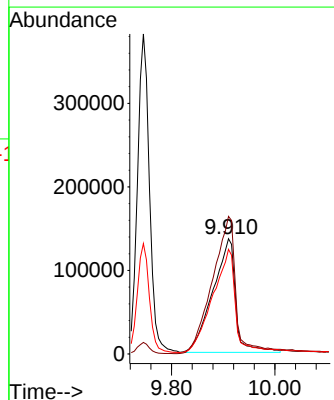
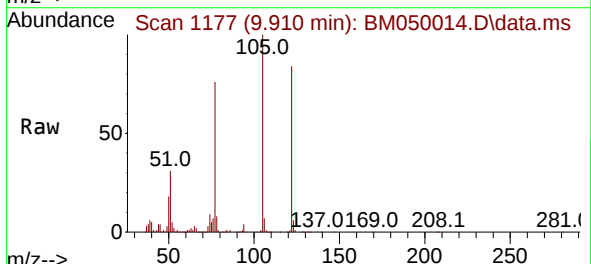
Instrument :
BNA_M
ClientSampleId :
72-12013MSD

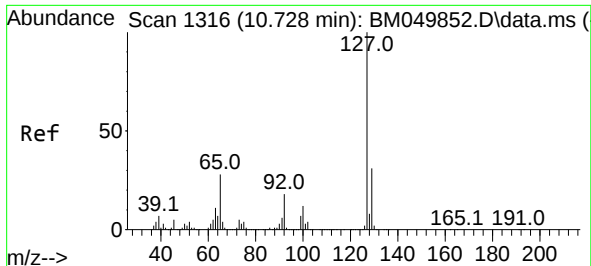
Tgt Ion:128 Resp: 2046492
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.1 10.6 15.8



#32
Benzoic acid
Concen: 37.410 ng
RT: 9.910 min Scan# 1177
Delta R.T. 0.035 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion:122 Resp: 415542
Ion Ratio Lower Upper
122 100
105 119.5 103.8 143.8
77 90.8 70.7 110.7

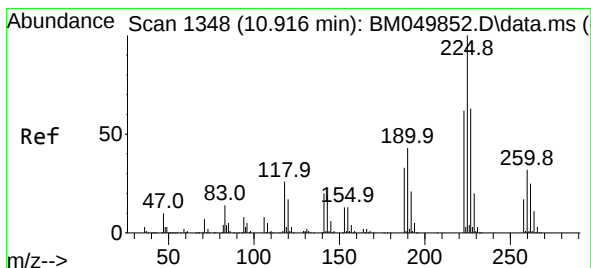
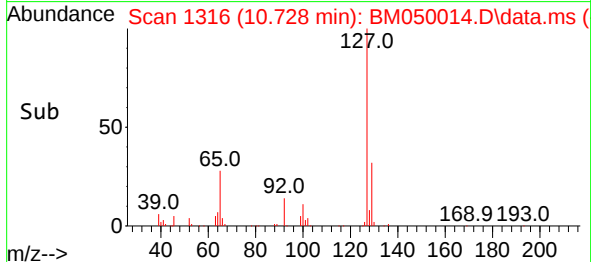
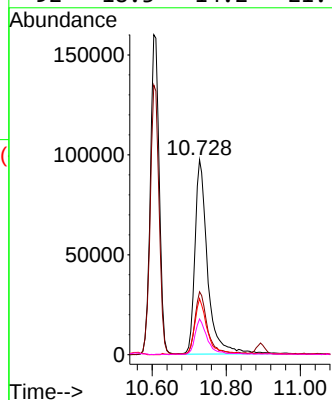
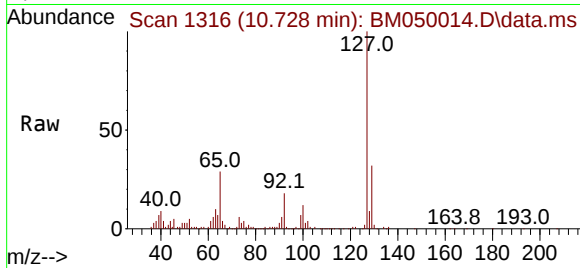




#33
4-Chloroaniline
Concen: 13.854 ng
RT: 10.728 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

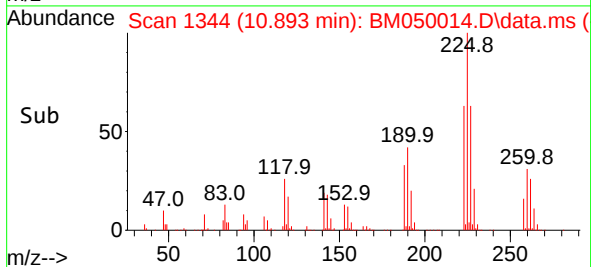
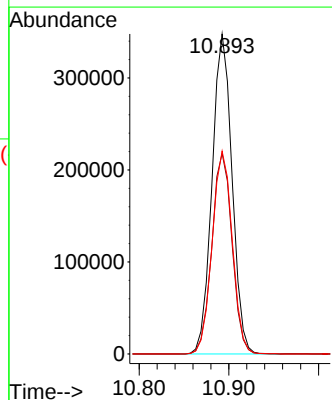
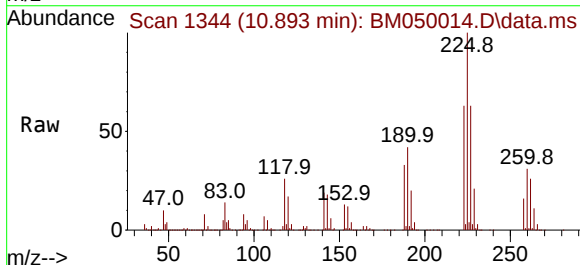
Instrument :
BNA_M
ClientSampleId :
72-12013MSD

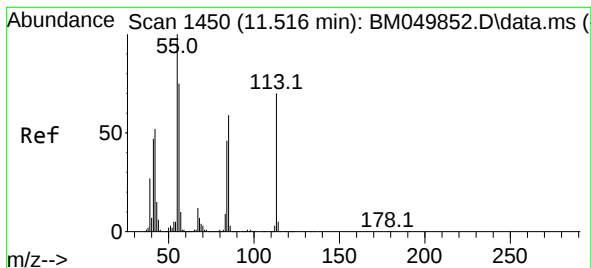
Tgt Ion:	127	Resp:	231030
Ion	Ratio	Lower	Upper
127	100		
129	32.3	24.9	37.3
65	28.8	22.4	33.6
92	18.3	14.2	21.4



#34
Hexachlorobutadiene
Concen: 47.330 ng
RT: 10.893 min Scan# 1344
Delta R.T. -0.023 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion:	225	Resp:	537419
Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.4	74.2
227	63.4	50.1	75.1

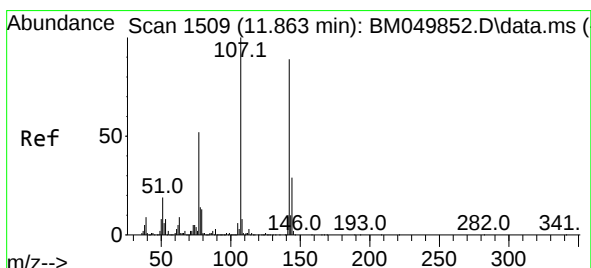
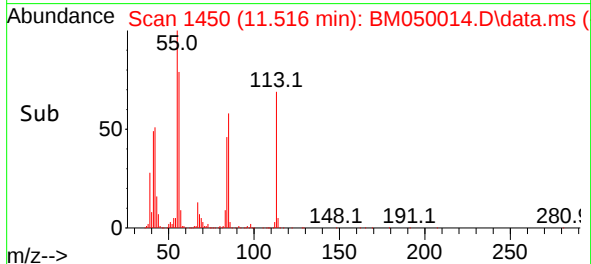
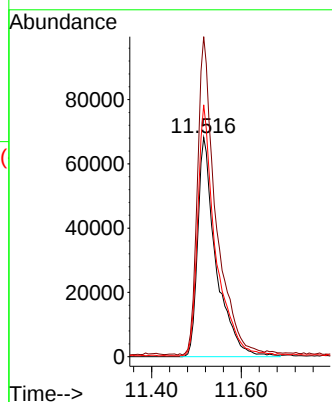
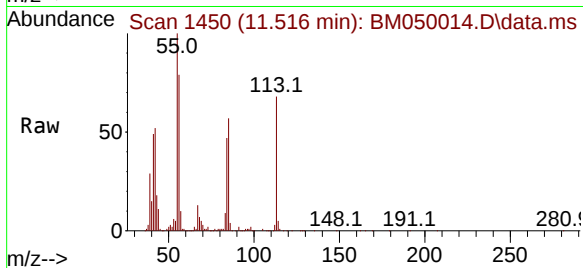




#35
 Caprolactam
 Concen: 42.375 ng
 RT: 11.516 min Scan# 1450
 Delta R.T. 0.000 min
 Lab File: BM050014.D
 Acq: 23 Apr 2025 15:16

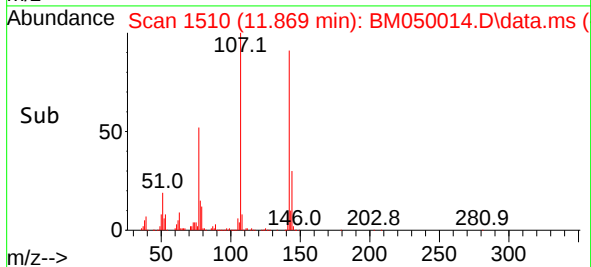
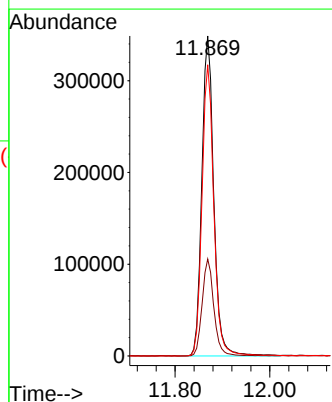
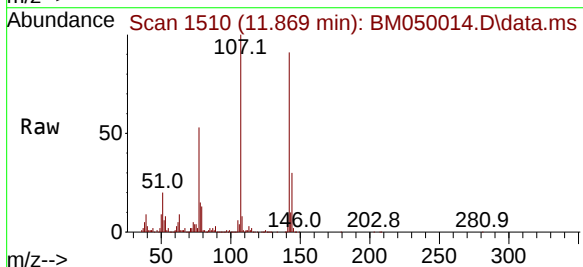
Instrument :
 BNA_M
 ClientSampleId :
 72-12013MSD

Tgt Ion:113 Resp: 192849
 Ion Ratio Lower Upper
 113 100
 55 146.0 124.3 164.3
 56 114.9 87.5 127.5



#36
 4-Chloro-3-methylphenol
 Concen: 43.847 ng
 RT: 11.869 min Scan# 1510
 Delta R.T. 0.006 min
 Lab File: BM050014.D
 Acq: 23 Apr 2025 15:16

Tgt Ion:107 Resp: 609438
 Ion Ratio Lower Upper
 107 100
 144 30.3 23.6 35.4
 142 91.0 71.4 107.0

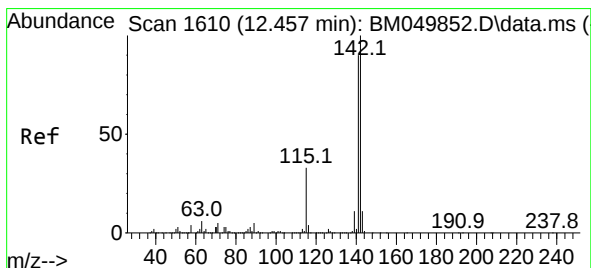
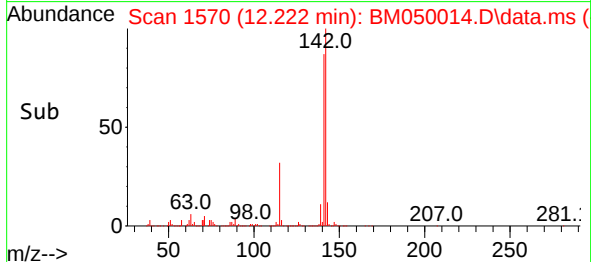
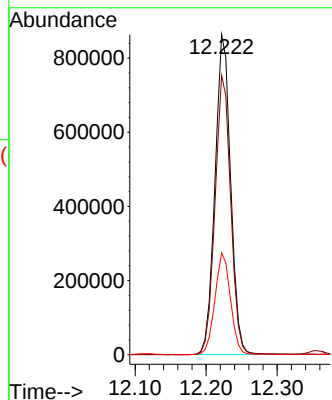
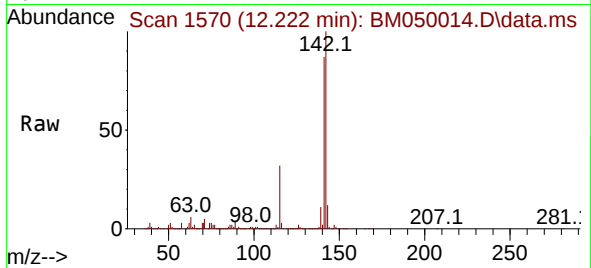




#37
2-Methylnaphthalene
Concen: 39.588 ng
RT: 12.222 min Scan# 1
Delta R.T. -0.017 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

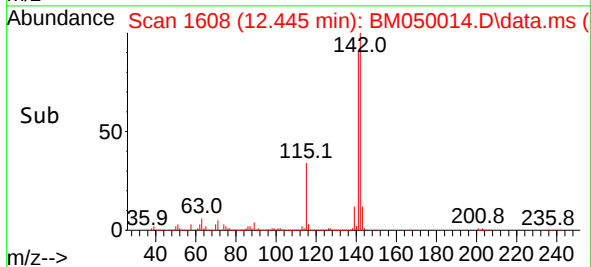
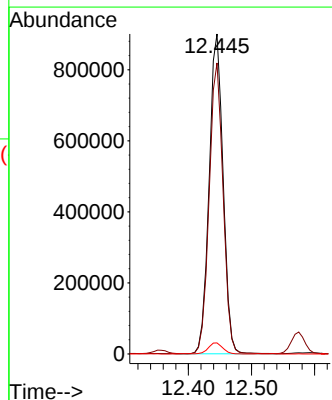
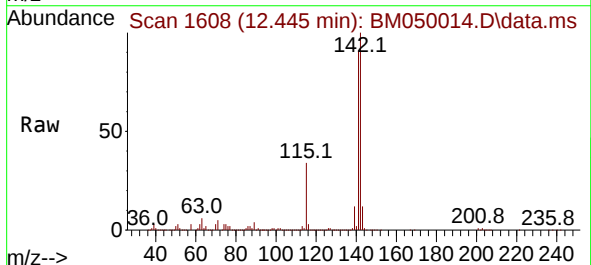
Instrument :
BNA_M
ClientSampleId :
72-12013MSD

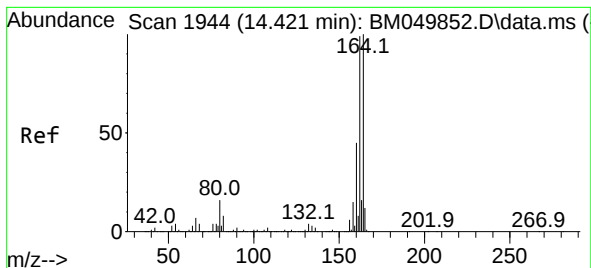
Tgt Ion:142 Resp: 1317219
Ion Ratio Lower Upper
142 100
141 87.2 70.2 105.2
115 31.8 25.4 38.2



#38
1-Methylnaphthalene
Concen: 42.617 ng
RT: 12.445 min Scan# 1608
Delta R.T. -0.011 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion:142 Resp: 1381472
Ion Ratio Lower Upper
142 100
141 90.9 72.2 108.2
116 3.5 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.410 min Scan# 1944

Delta R.T. -0.012 min

Lab File: BM050014.D

Acq: 23 Apr 2025 15:16

Instrument :

BNA_M

ClientSampleId :

72-12013MSD

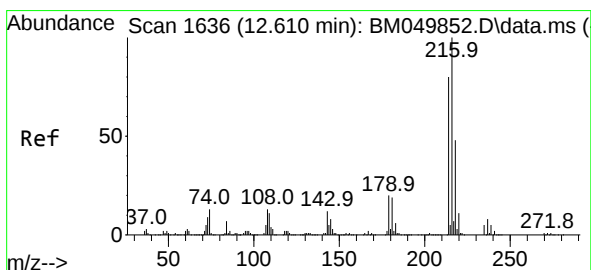
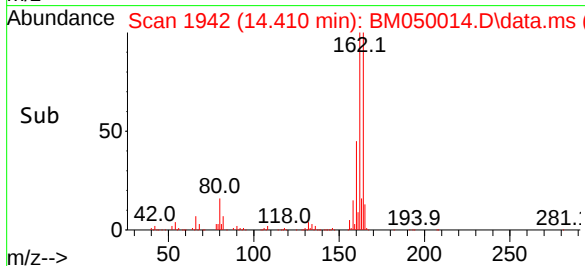
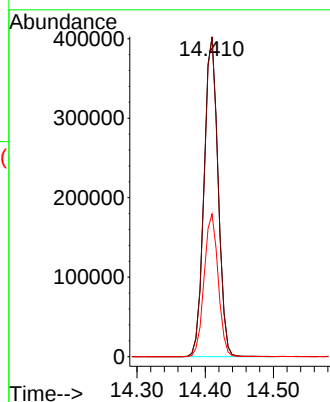
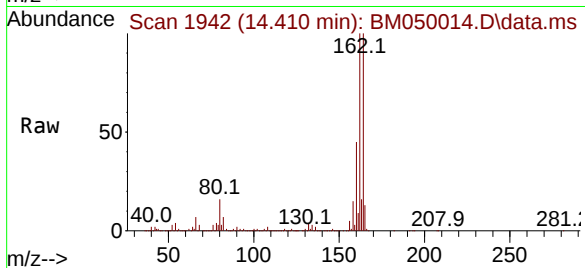
Tgt Ion:164 Resp: 576233

Ion Ratio Lower Upper

164 100

162 100.2 79.4 119.0

160 44.7 36.2 54.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.028 ng

RT: 12.598 min Scan# 1634

Delta R.T. -0.011 min

Lab File: BM050014.D

Acq: 23 Apr 2025 15:16

Tgt Ion:216 Resp: 927904

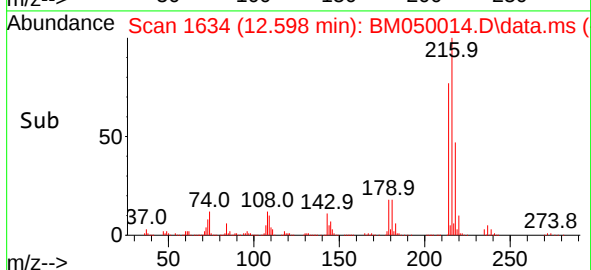
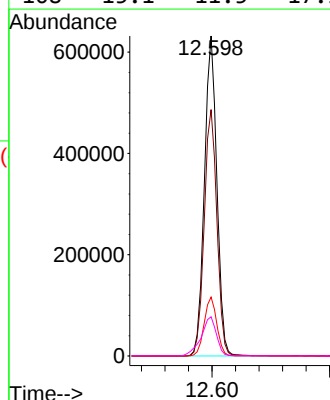
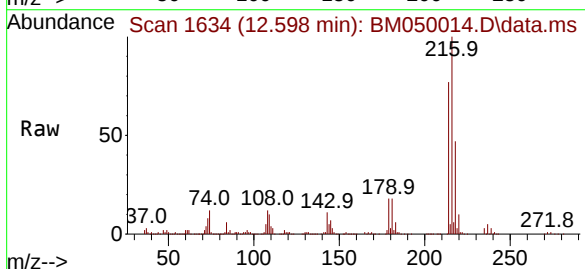
Ion Ratio Lower Upper

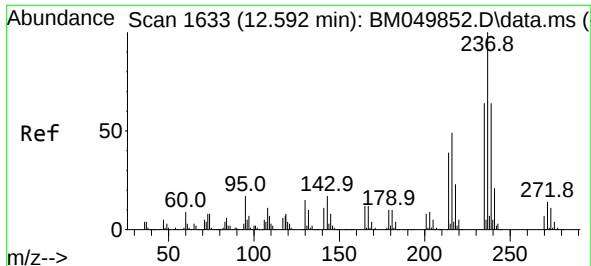
216 100

214 78.5 63.2 94.8

179 18.7 15.8 23.6

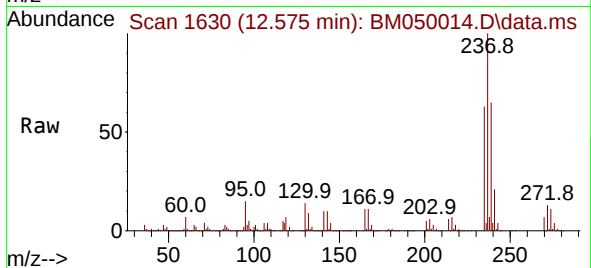
108 15.1 11.5 17.3



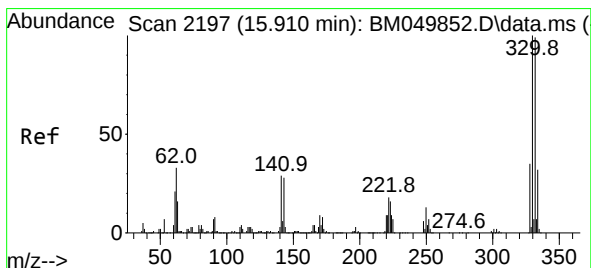
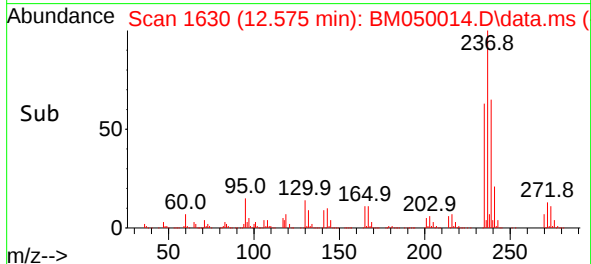
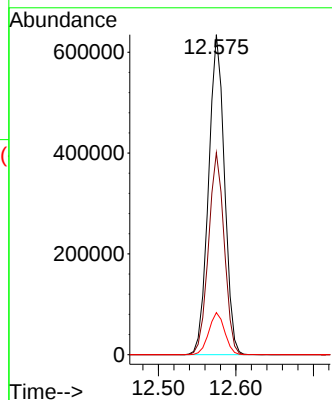


#41
Hexachlorocyclopentadiene
Concen: 128.149 ng
RT: 12.575 min Scan# 1
Delta R.T. -0.017 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Instrument :
BNA_M
ClientSampleId :
72-12013MSD

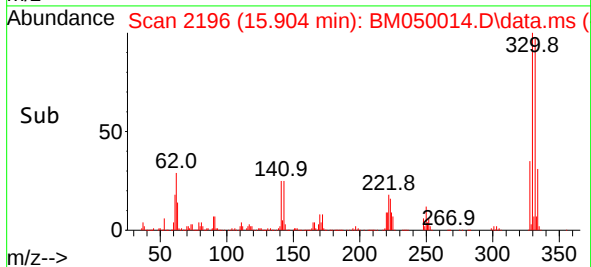
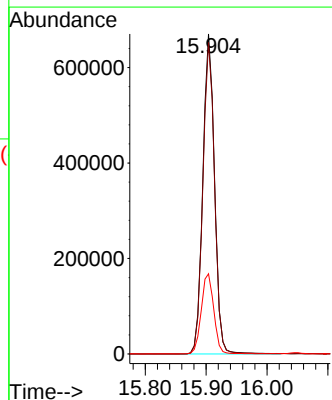
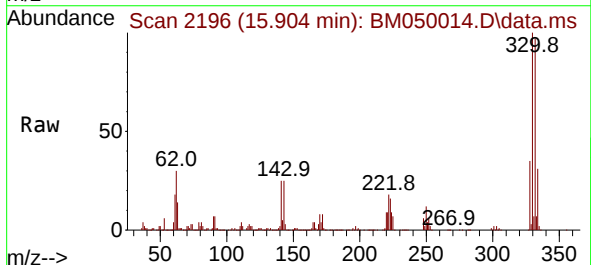


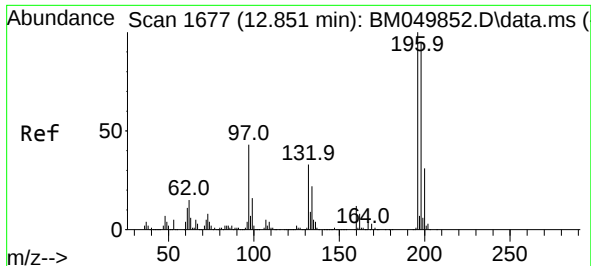
Tgt Ion:237 Resp: 905237
Ion Ratio Lower Upper
237 100
235 63.1 43.7 83.7
272 13.2 0.0 33.5



#42
2,4,6-Tribromophenol
Concen: 106.375 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion:330 Resp: 891584
Ion Ratio Lower Upper
330 100
332 97.3 78.0 117.0
141 27.0 23.5 35.3

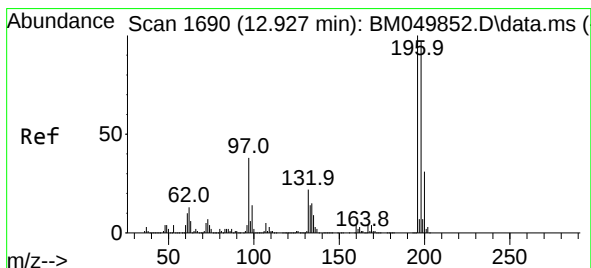
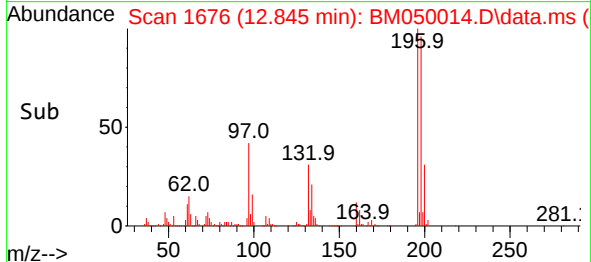
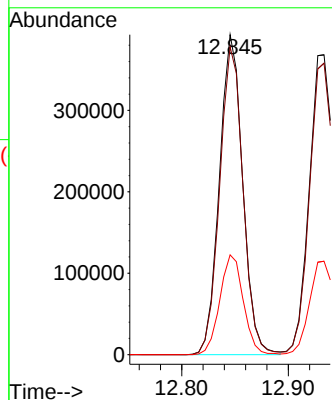
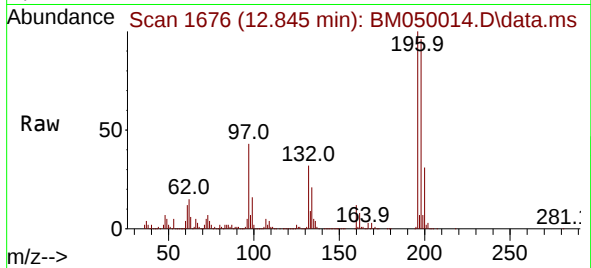




#43
2,4,6-Trichlorophenol
Concen: 46.507 ng
RT: 12.845 min Scan# 1676
Delta R.T. -0.006 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

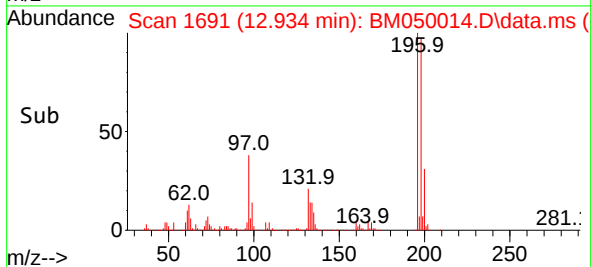
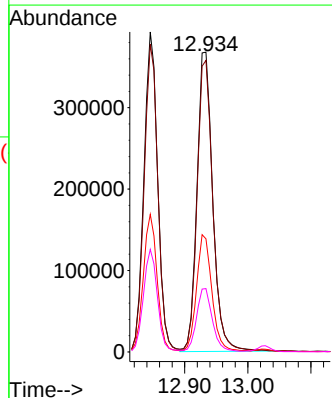
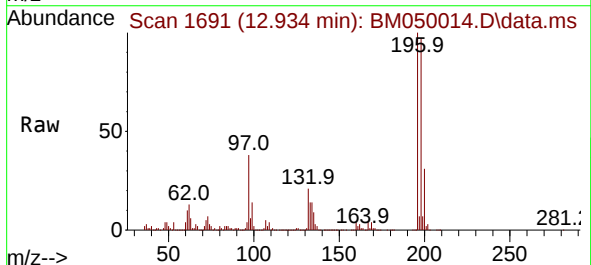
Instrument :
BNA_M
ClientSampleId :
72-12013MSD

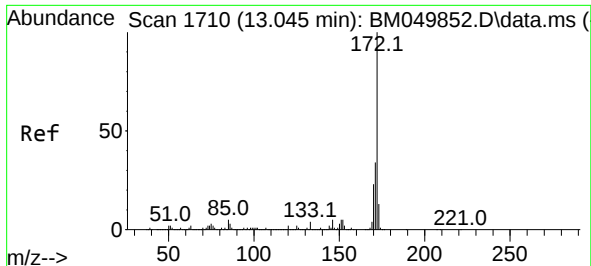
Tgt Ion:196 Resp: 596596
Ion Ratio Lower Upper
196 100
198 96.2 76.1 114.1
200 31.2 24.7 37.1



#44
2,4,5-Trichlorophenol
Concen: 45.814 ng
RT: 12.934 min Scan# 1691
Delta R.T. 0.006 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion:196 Resp: 638670
Ion Ratio Lower Upper
196 100
198 97.2 77.7 116.5
97 37.7 30.3 45.5
132 21.1 17.3 25.9

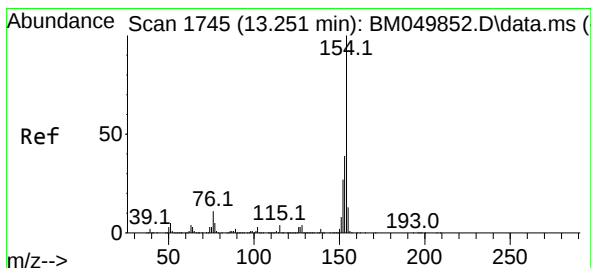
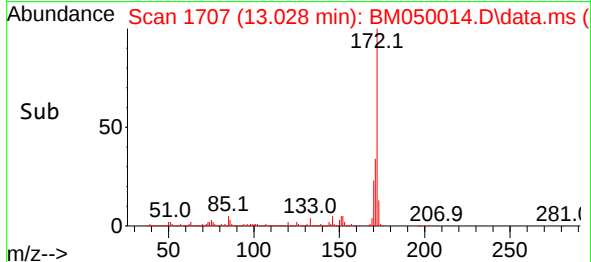
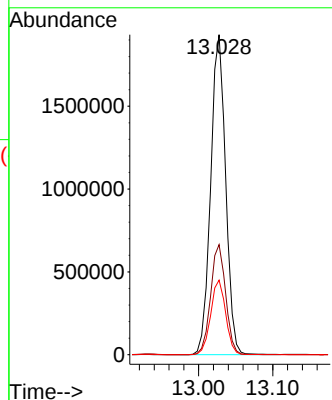
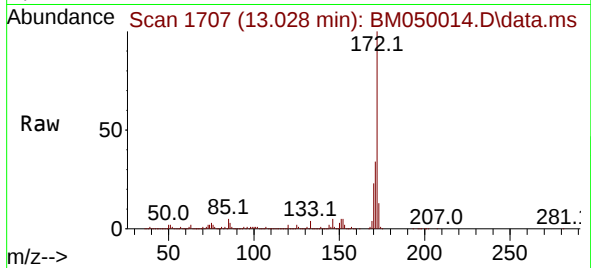




#45
2-Fluorobiphenyl
Concen: 63.719 ng
RT: 13.028 min Scan# 1707
Delta R.T. -0.017 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

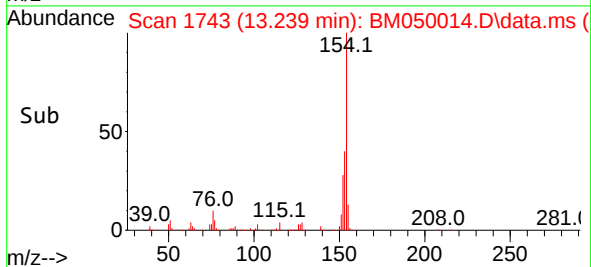
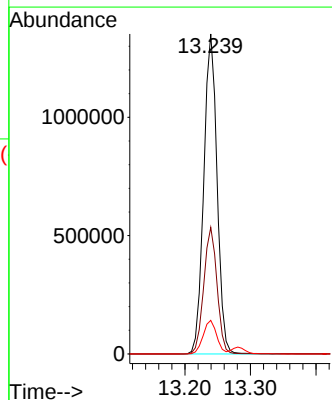
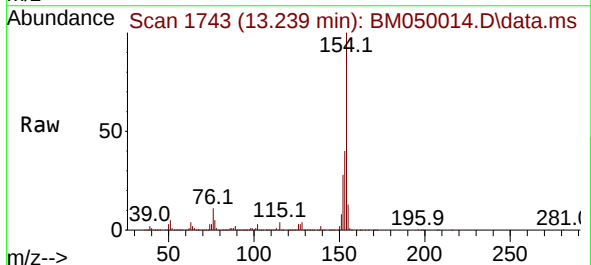
Instrument :
BNA_M
ClientSampleId :
72-12013MSD

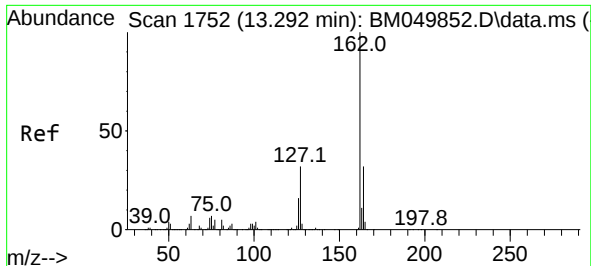
Tgt Ion:172 Resp: 2707705
Ion Ratio Lower Upper
172 100
171 34.4 27.4 41.2
170 23.3 18.6 28.0



#46
1,1'-Biphenyl
Concen: 44.640 ng
RT: 13.239 min Scan# 1743
Delta R.T. -0.011 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion:154 Resp: 1912166
Ion Ratio Lower Upper
154 100
153 39.6 19.3 59.3
76 10.5 0.0 30.7

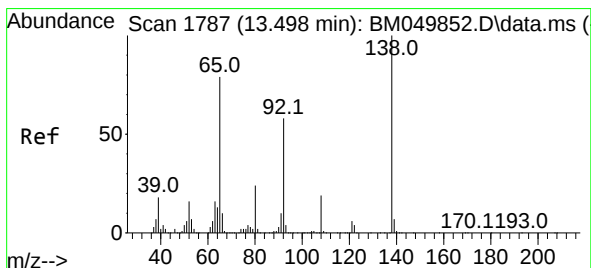
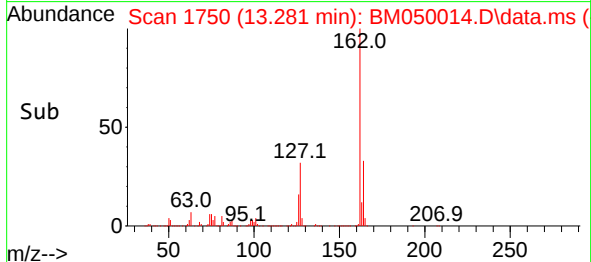
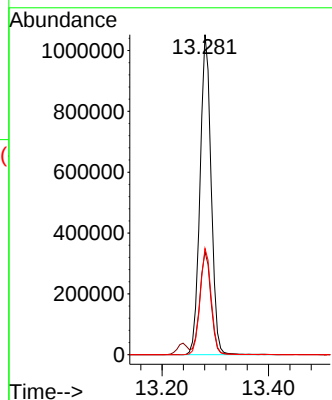
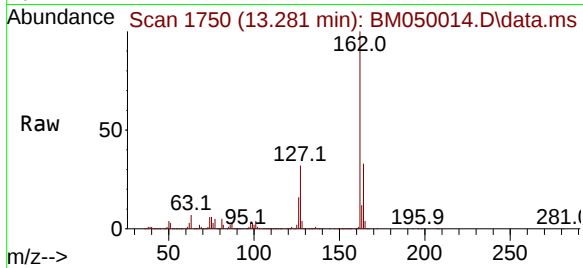




#47
2-Chloronaphthalene
Concen: 45.163 ng
RT: 13.281 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

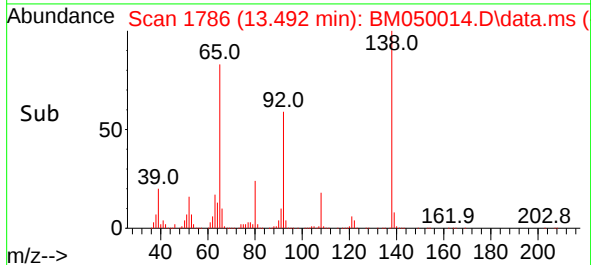
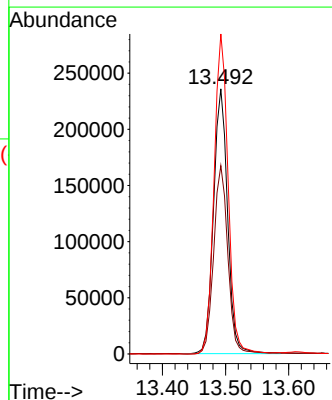
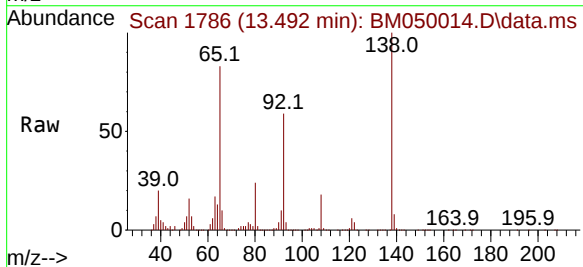
Instrument :
BNA_M
ClientSampleId :
72-12013MSD

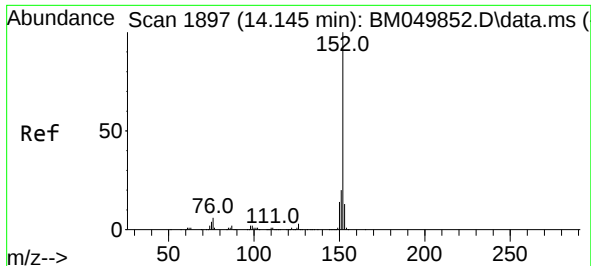
Tgt Ion:162 Resp: 1520531
Ion Ratio Lower Upper
162 100
127 32.1 26.0 39.0
164 33.2 25.9 38.9



#48
2-Nitroaniline
Concen: 47.072 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion: 65 Resp: 366638
Ion Ratio Lower Upper
65 100
92 71.0 58.4 87.6
138 120.7 100.8 151.2

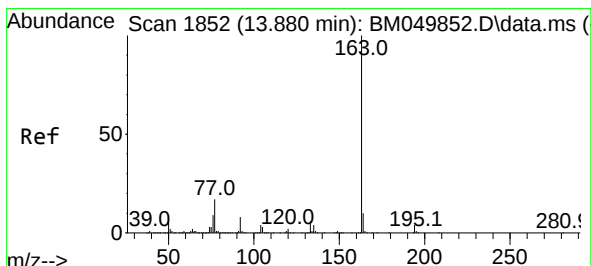
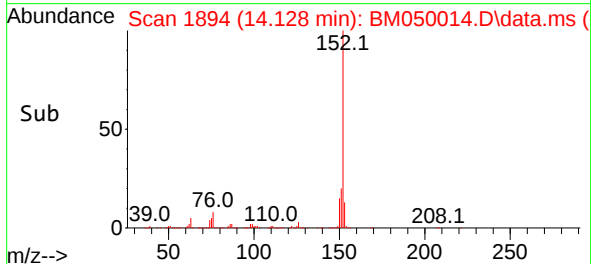
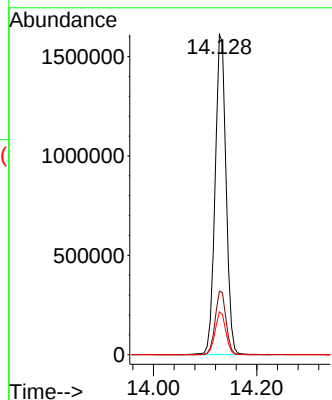
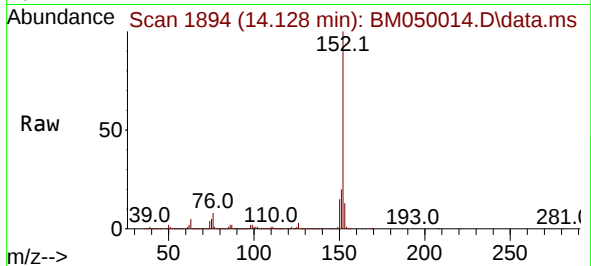




#49
Acenaphthylene
Concen: 48.178 ng
RT: 14.128 min Scan# 1894
Delta R.T. -0.017 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

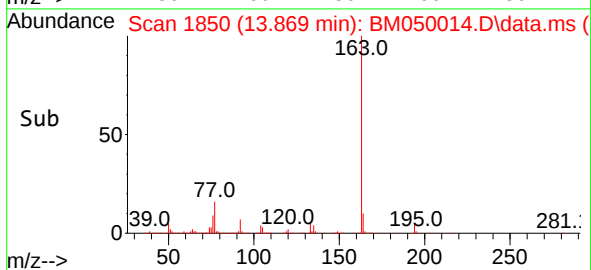
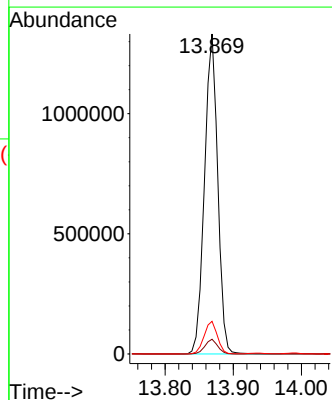
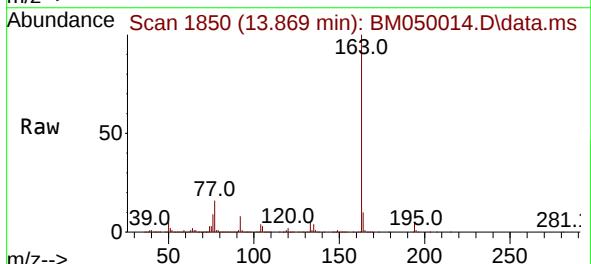
Instrument :
BNA_M
ClientSampleId :
72-12013MSD

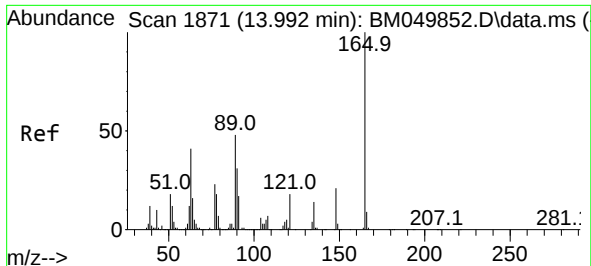
Tgt Ion:152 Resp: 2362755
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 13.4 10.4 15.6



#50
Dimethylphthalate
Concen: 44.139 ng
RT: 13.869 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion:163 Resp: 1794372
Ion Ratio Lower Upper
163 100
194 4.6 3.5 5.3
164 10.2 7.9 11.9

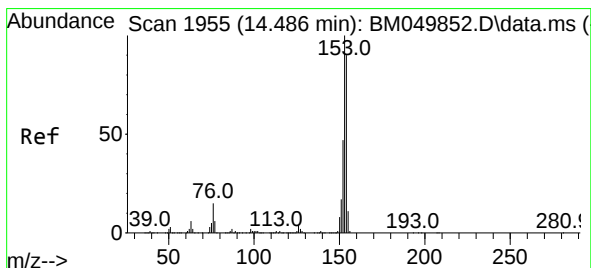
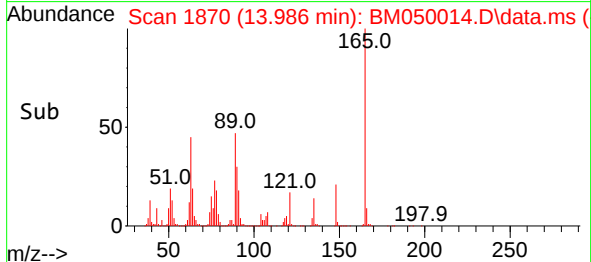
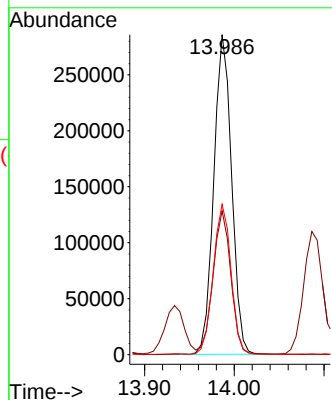
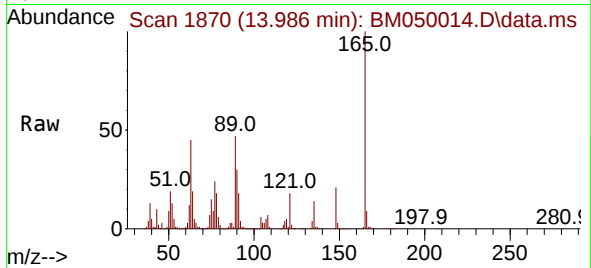




#51
2,6-Dinitrotoluene
Concen: 46.150 ng
RT: 13.986 min Scan# 1871
Delta R.T. -0.006 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

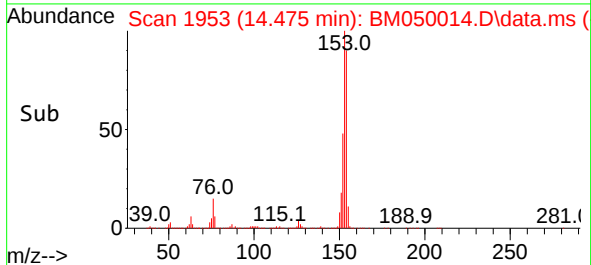
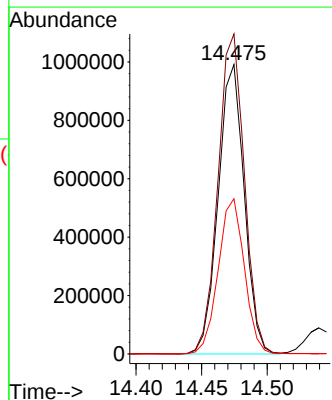
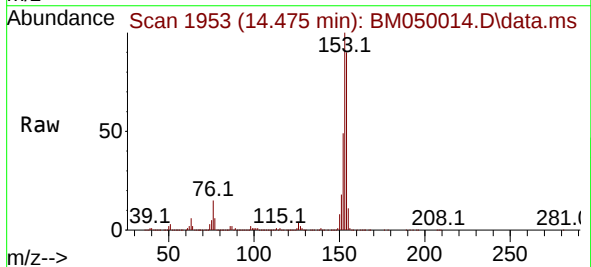
Instrument :
BNA_M
ClientSampleId :
72-12013MSD

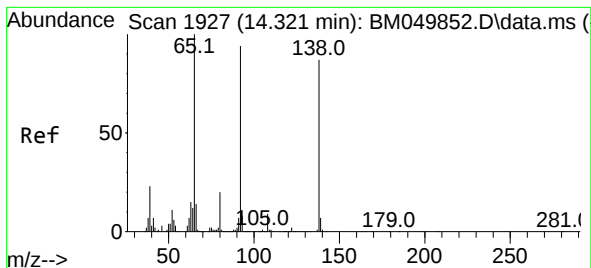
Tgt Ion:165 Resp: 393074
Ion Ratio Lower Upper
165 100
63 45.0 36.1 54.1
89 47.0 38.3 57.5



#52
Acenaphthene
Concen: 43.862 ng
RT: 14.475 min Scan# 1953
Delta R.T. -0.011 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion:154 Resp: 1368281
Ion Ratio Lower Upper
154 100
153 110.6 89.3 133.9
152 53.6 42.2 63.2

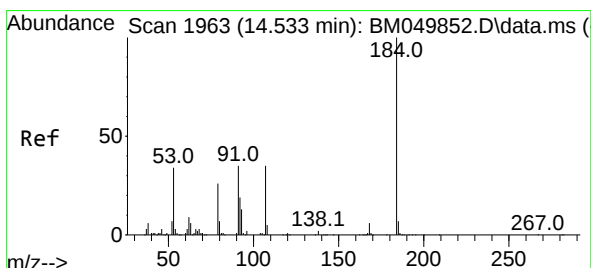
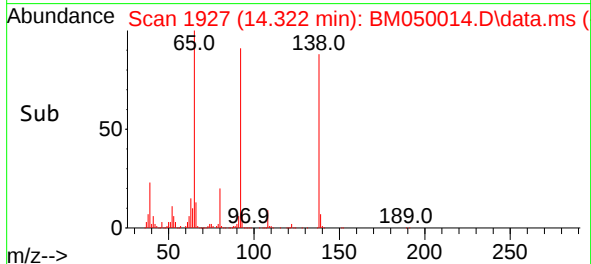
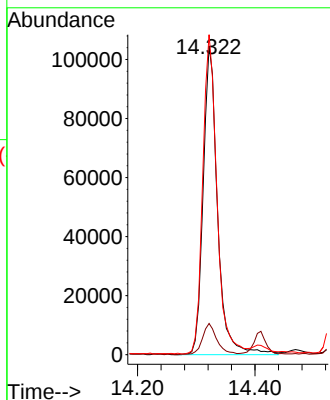
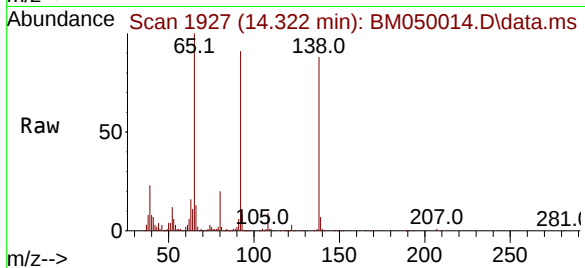




#53
3-Nitroaniline
Concen: 21.487 ng
RT: 14.322 min Scan# 1927
Delta R.T. 0.000 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

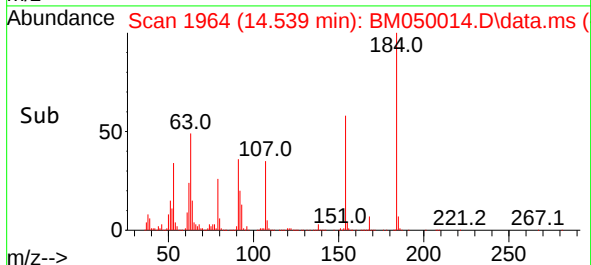
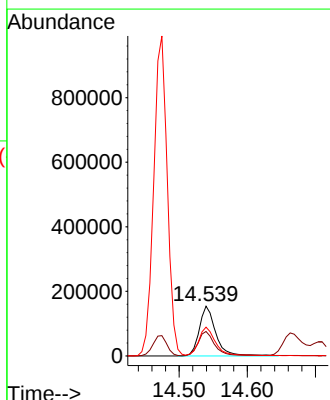
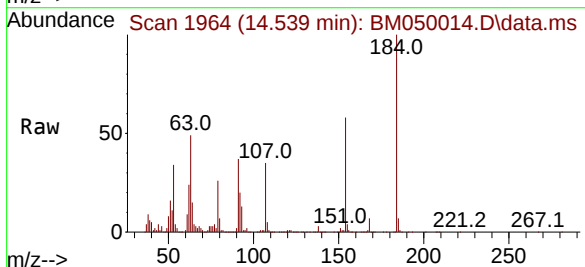
Instrument :
BNA_M
ClientSampleId :
72-12013MSD

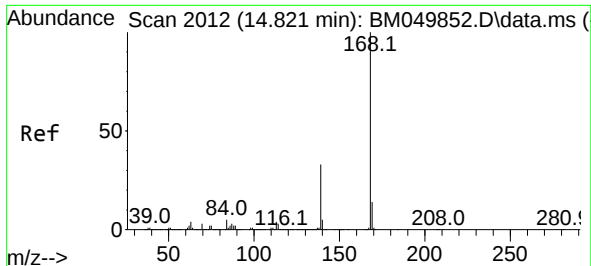
Tgt Ion:138 Resp: 176879
Ion Ratio Lower Upper
138 100
108 10.1 8.1 12.1
92 103.6 86.5 129.7



#54
2,4-Dinitrophenol
Concen: 45.484 ng
RT: 14.539 min Scan# 1964
Delta R.T. 0.006 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion:184 Resp: 259414
Ion Ratio Lower Upper
184 100
63 49.3 38.4 57.6
154 57.9 48.1 72.1

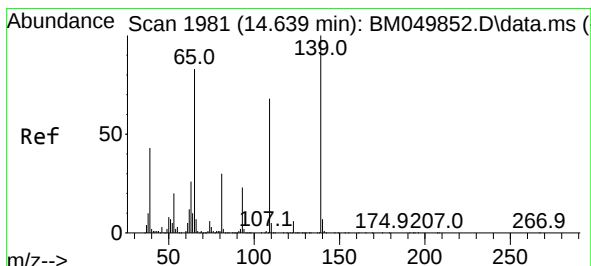
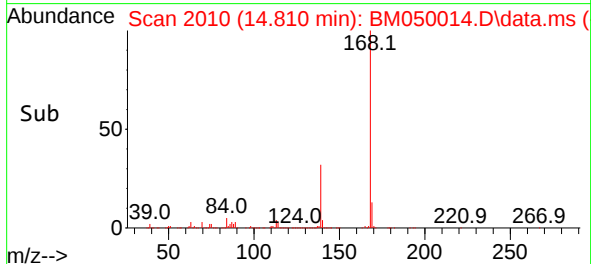
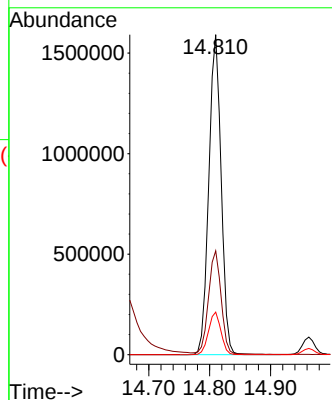
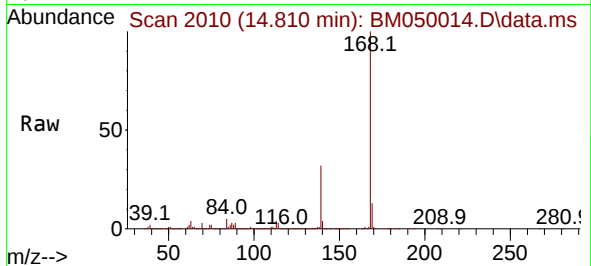




#55
Dibenzenofuran
Concen: 42.934 ng
RT: 14.810 min Scan# 2012
Delta R.T. -0.011 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

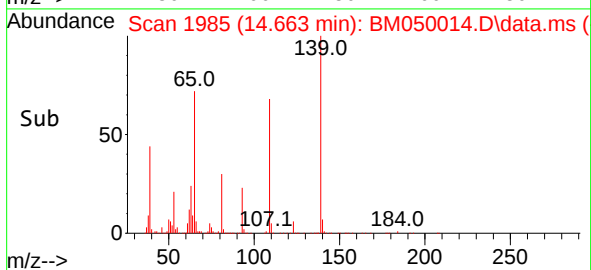
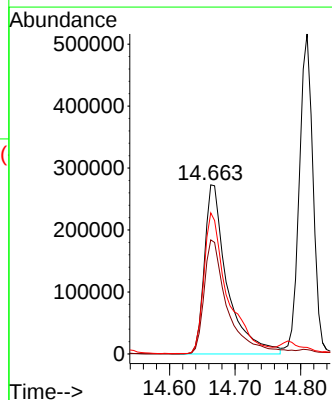
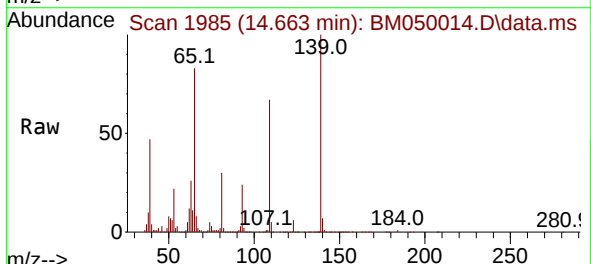
Instrument :
BNA_M
ClientSampleId :
72-12013MSD

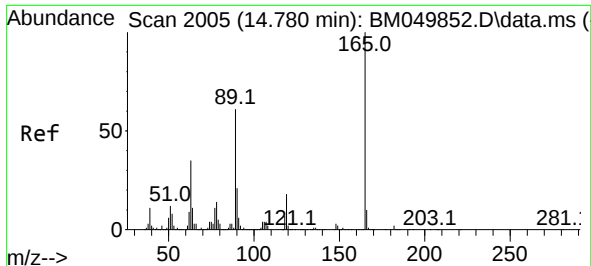
Tgt Ion:168 Resp: 2238964
Ion Ratio Lower Upper
168 100
139 32.4 26.6 39.8
169 13.3 11.0 16.4



#56
4-Nitrophenol
Concen: 90.085 ng
RT: 14.663 min Scan# 1985
Delta R.T. 0.024 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion:139 Resp: 660843
Ion Ratio Lower Upper
139 100
109 67.5 47.9 87.9
65 83.4 62.7 102.7

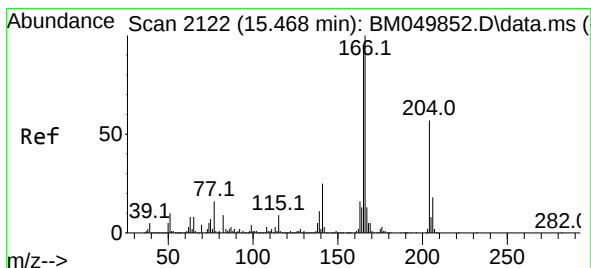
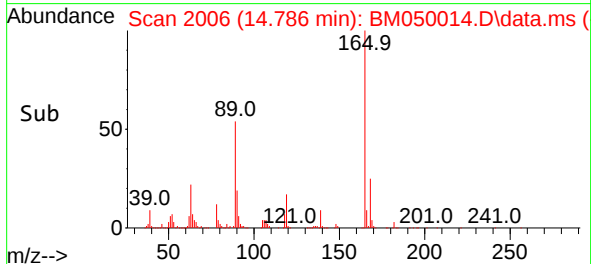
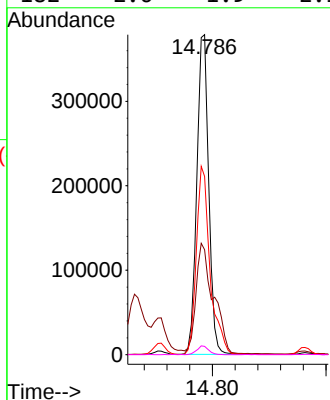
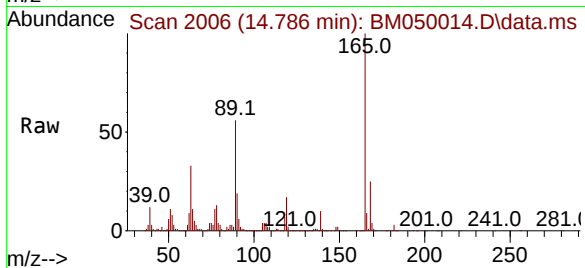




#57
2,4-Dinitrotoluene
Concen: 48.654 ng
RT: 14.786 min Scan# 2006
Delta R.T. 0.006 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

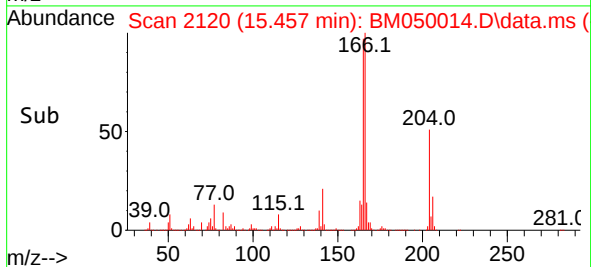
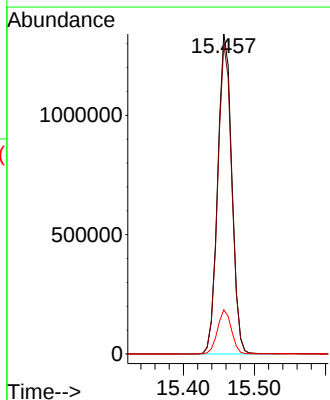
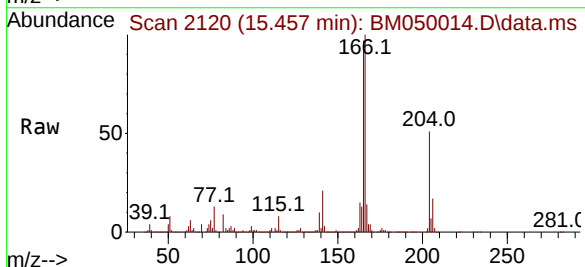
Instrument :
BNA_M
ClientSampleId :
72-12013MSD

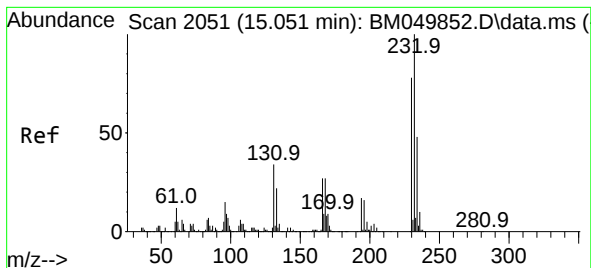
Tgt Ion:165 Resp: 552838
Ion Ratio Lower Upper
165 100
63 32.8 28.6 42.8
89 55.7 49.0 73.6
182 2.6 1.9 2.9



#58
Fluorene
Concen: 44.387 ng
RT: 15.457 min Scan# 2120
Delta R.T. -0.012 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion:166 Resp: 1839953
Ion Ratio Lower Upper
166 100
165 96.9 76.3 114.5
167 13.8 10.7 16.1

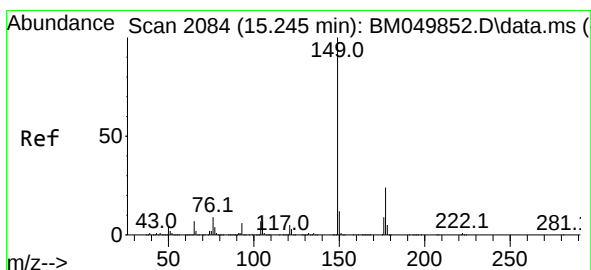
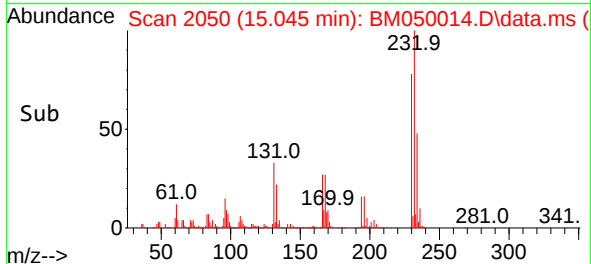
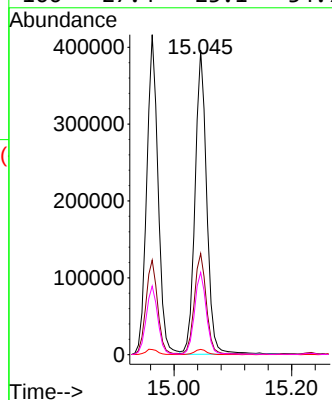
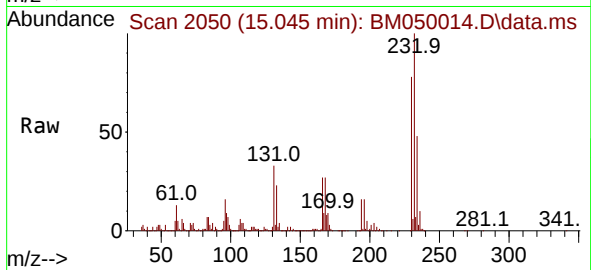




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.560 ng
RT: 15.045 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

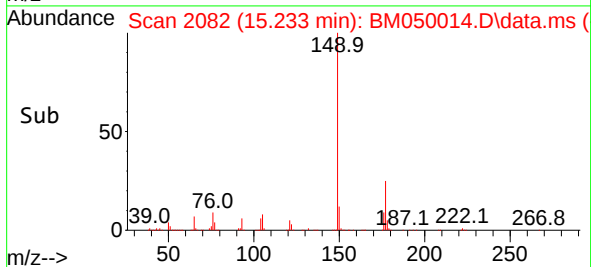
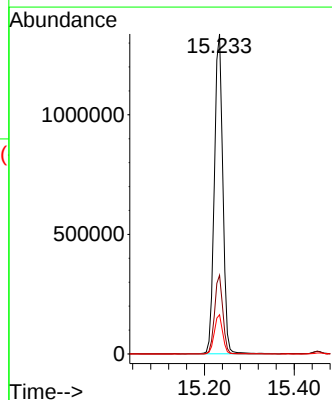
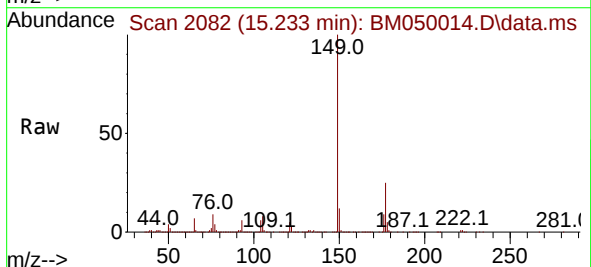
Instrument :
BNA_M
ClientSampleId :
72-12013MSD

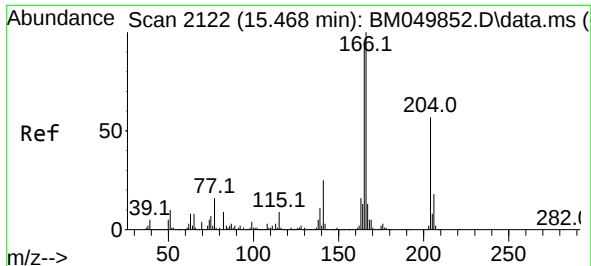
Tgt Ion:	232	Resp:	544449
Ion Ratio	Lower	Upper	
232	100		
131	34.2	28.4	42.6
130	1.9	1.6	2.4
166	27.4	23.1	34.7



#60
Diethylphthalate
Concen: 44.850 ng
RT: 15.233 min Scan# 2082
Delta R.T. -0.011 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion:	149	Resp:	1748483
Ion Ratio	Lower	Upper	
149	100		
177	24.6	19.0	28.4
150	12.3	9.7	14.5

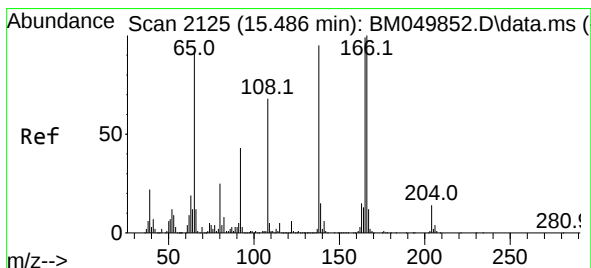
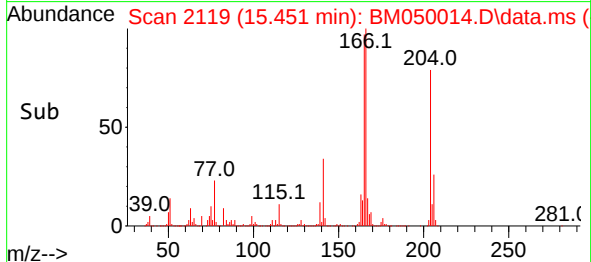
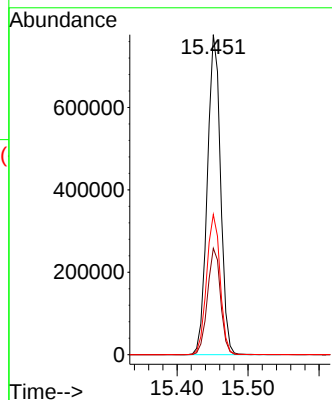
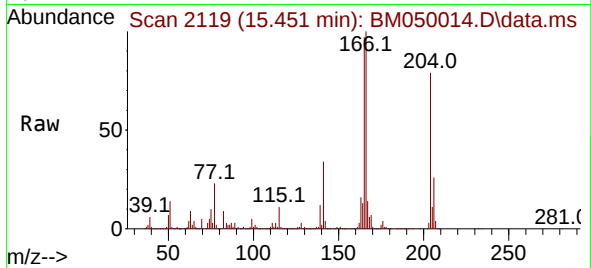




#61
4-Chlorophenyl-phenylether
Concen: 45.194 ng
RT: 15.451 min Scan# 2119
Delta R.T. -0.017 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

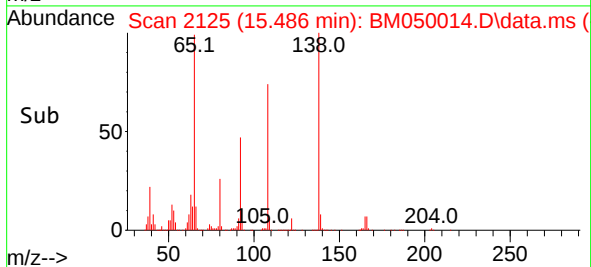
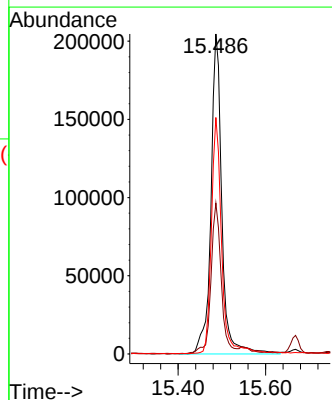
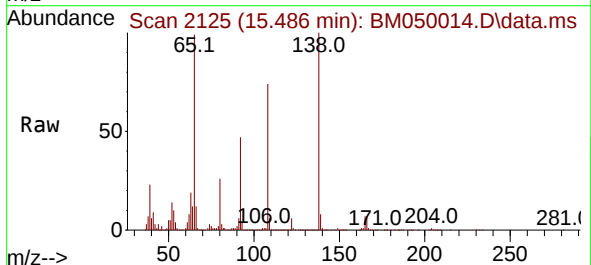
Instrument :
BNA_M
ClientSampleId :
72-12013MSD

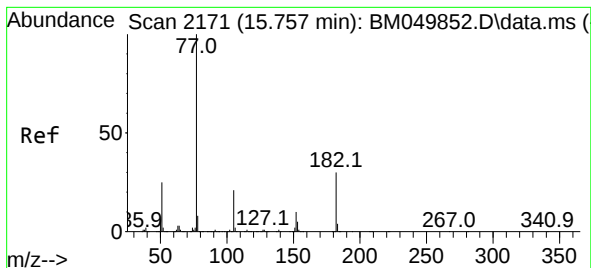
Tgt Ion:204 Resp: 1004403
Ion Ratio Lower Upper
204 100
206 33.2 26.2 39.2
141 43.8 35.0 52.6



#62
4-Nitroaniline
Concen: 41.974 ng
RT: 15.486 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion:138 Resp: 357323
Ion Ratio Lower Upper
138 100
92 47.2 24.9 64.9
108 73.9 51.7 91.7





#63

Azobenzene

Concen: 49.966 ng

RT: 15.745 min Scan# 21

Delta R.T. -0.011 min

Lab File: BM050014.D

Acq: 23 Apr 2025 15:16

Instrument :

BNA_M

ClientSampleId :

72-12013MSD

Tgt Ion: 77 Resp: 1667726

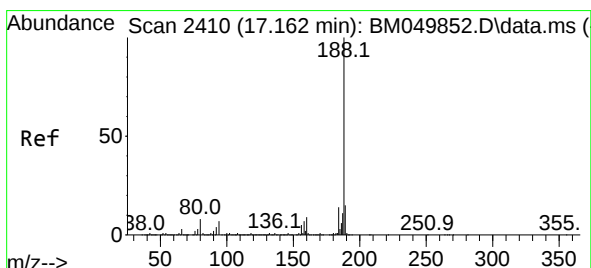
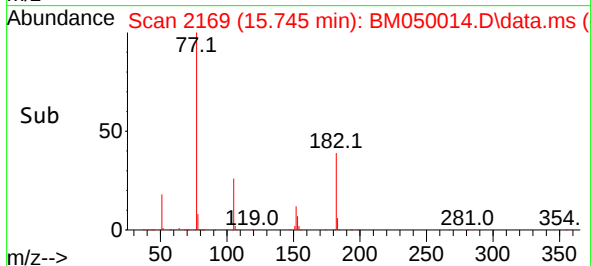
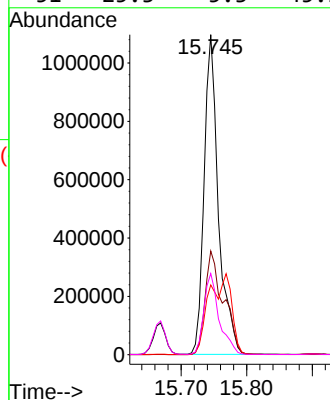
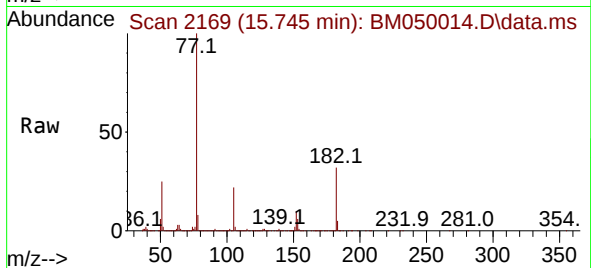
Ion Ratio Lower Upper

77 100

182 32.4 10.4 50.4

105 21.8 1.5 41.5

51 25.3 5.3 45.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 2409

Delta R.T. -0.006 min

Lab File: BM050014.D

Acq: 23 Apr 2025 15:16

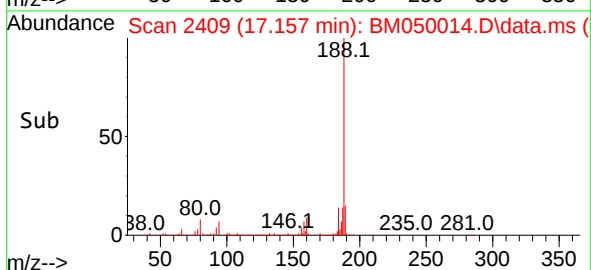
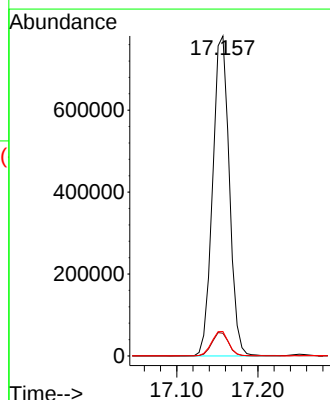
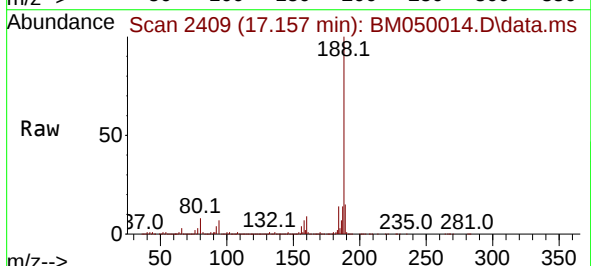
Tgt Ion:188 Resp: 1111719

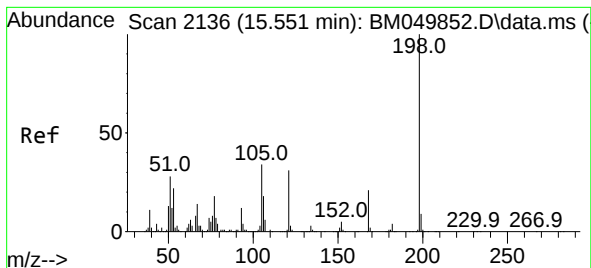
Ion Ratio Lower Upper

188 100

94 7.1 5.8 8.6

80 7.7 6.4 9.6

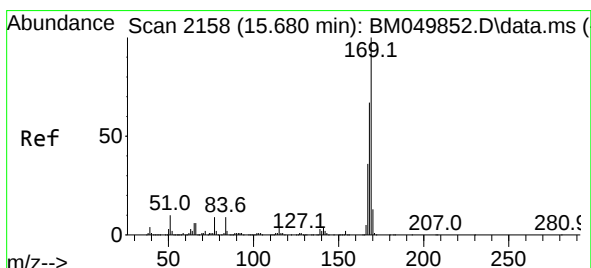
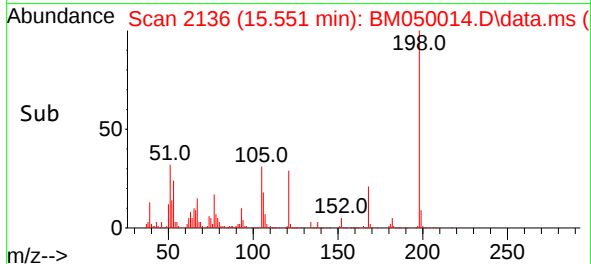
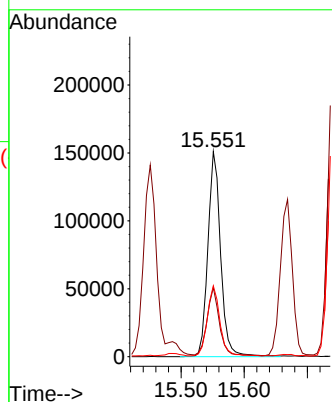
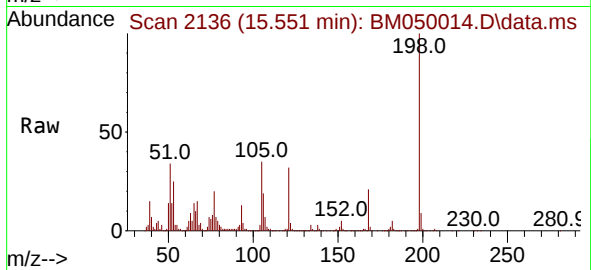




#65
4,6-Dinitro-2-methylphenol
Concen: 30.320 ng
RT: 15.551 min Scan# 2136
Delta R.T. 0.000 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

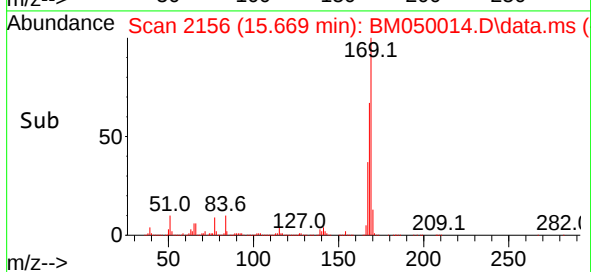
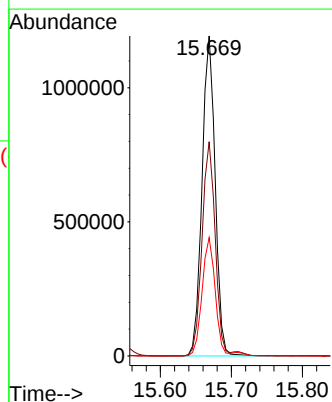
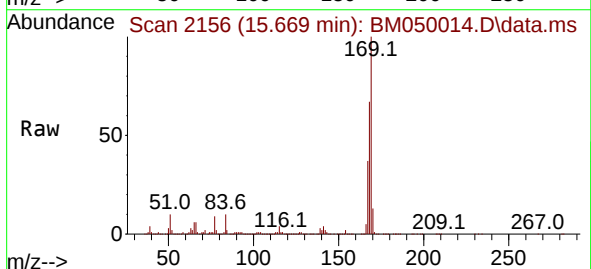
Instrument :
BNA_M
ClientSampleId :
72-12013MSD

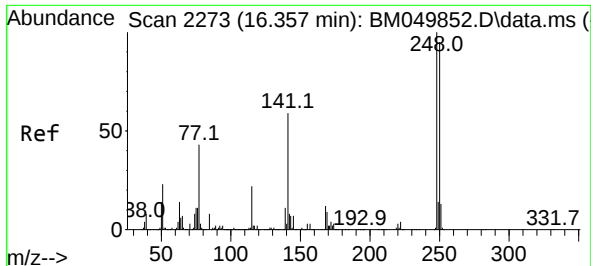
Tgt Ion:198 Resp: 212409
Ion Ratio Lower Upper
198 100
51 33.7 9.6 49.6
105 34.6 14.7 54.7



#66
n-Nitrosodiphenylamine
Concen: 46.226 ng
RT: 15.669 min Scan# 2156
Delta R.T. -0.011 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion:169 Resp: 1537908
Ion Ratio Lower Upper
169 100
168 66.9 53.4 80.2
167 37.0 29.0 43.6

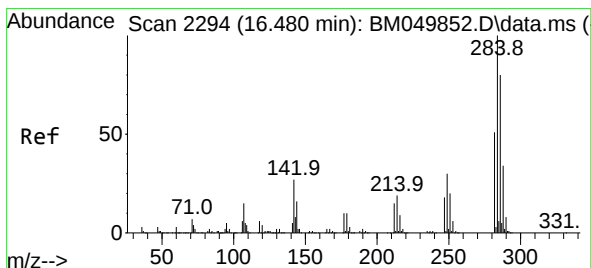
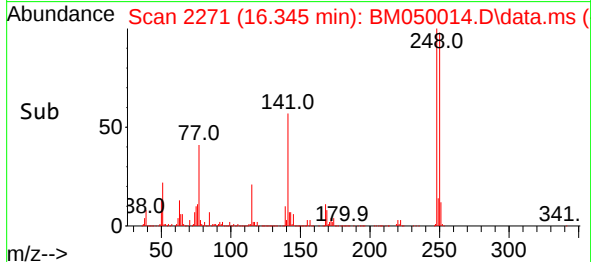
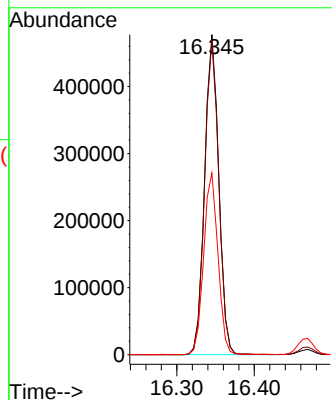
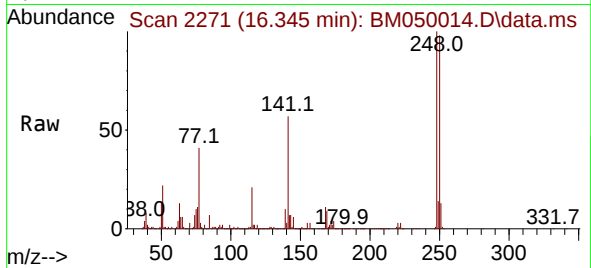




#67
4-Bromophenyl-phenylether
Concen: 47.028 ng
RT: 16.345 min Scan# 21
Delta R.T. -0.011 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

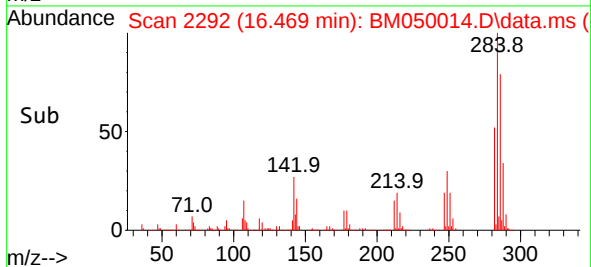
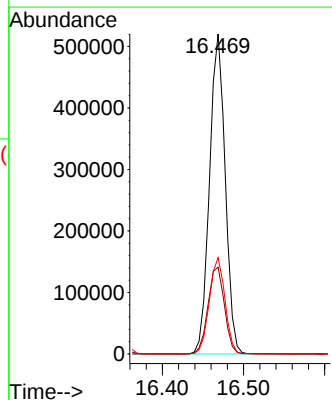
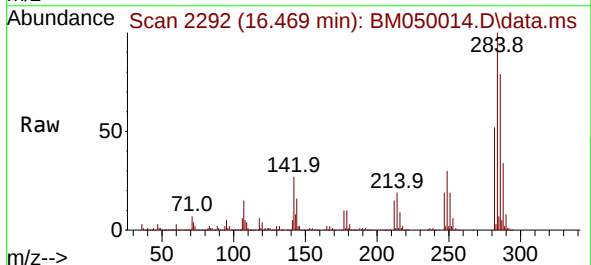
Instrument :
BNA_M
ClientSampleId :
72-12013MSD

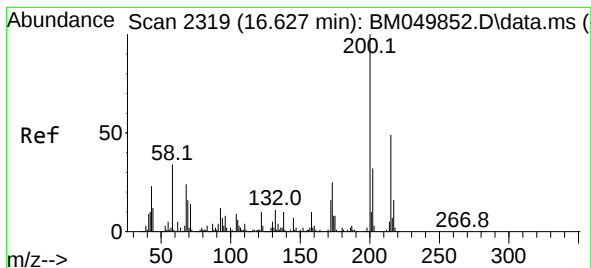
Tgt Ion:248 Resp: 606925
Ion Ratio Lower Upper
248 100
250 98.1 76.2 114.2
141 56.8 47.3 70.9



#68
Hexachlorobenzene
Concen: 47.045 ng
RT: 16.469 min Scan# 2292
Delta R.T. -0.012 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion:284 Resp: 696413
Ion Ratio Lower Upper
284 100
142 27.1 21.2 31.8
249 30.1 24.1 36.1





#69

Atrazine

Concen: 65.337 ng

RT: 16.622 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM050014.D

Acq: 23 Apr 2025 15:16

Instrument :

BNA_M

ClientSampleId :

72-12013MSD

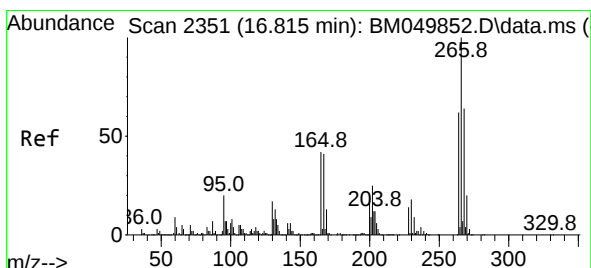
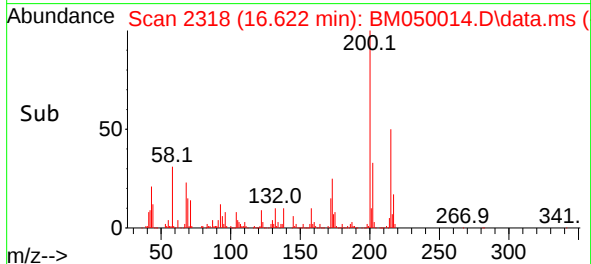
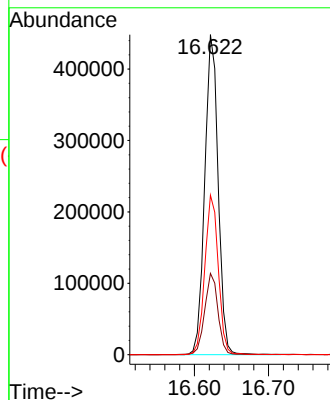
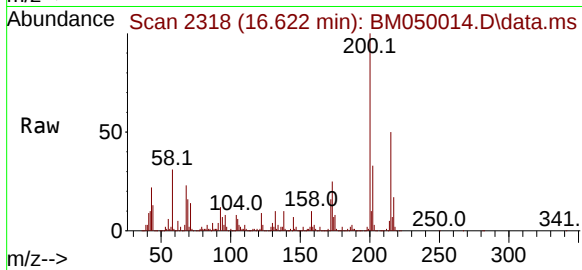
Tgt Ion:200 Resp: 563607

Ion Ratio Lower Upper

200 100

173 25.4 5.4 45.4

215 49.9 29.0 69.0



#70

Pentachlorophenol

Concen: 90.624 ng

RT: 16.816 min Scan# 2351

Delta R.T. 0.000 min

Lab File: BM050014.D

Acq: 23 Apr 2025 15:16

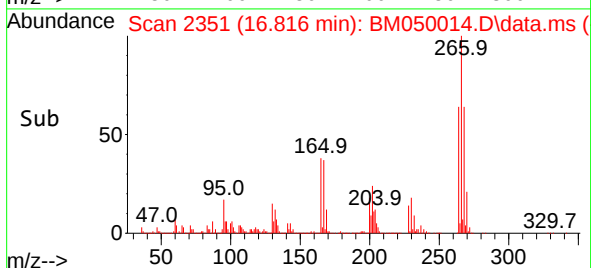
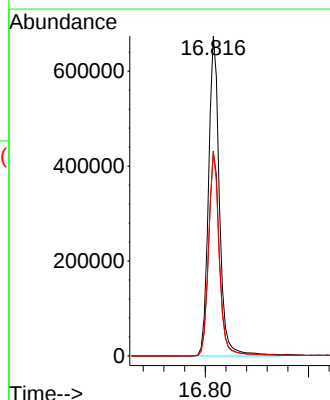
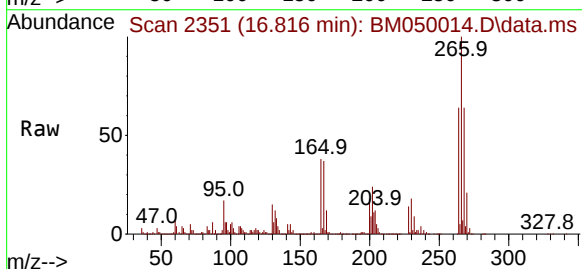
Tgt Ion:266 Resp: 987653

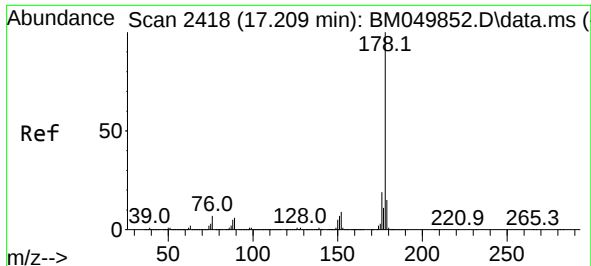
Ion Ratio Lower Upper

266 100

268 63.9 51.4 77.2

264 63.9 49.8 74.8

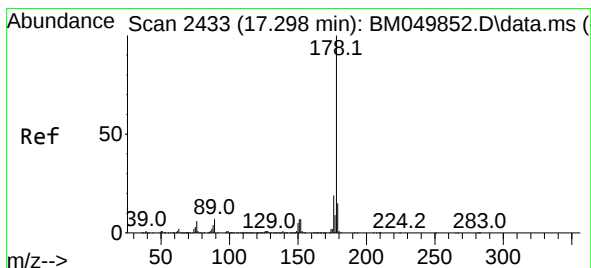
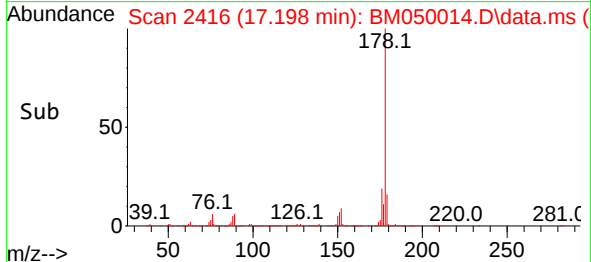
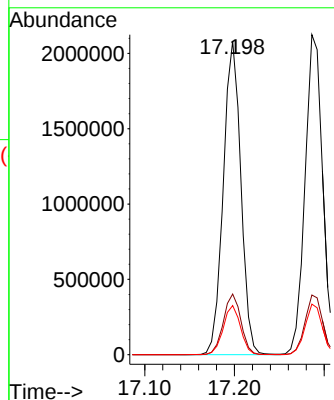
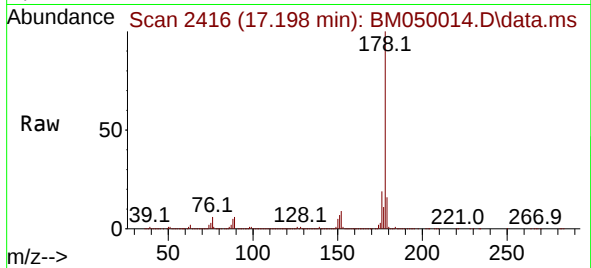




#71
Phenanthrene
Concen: 46.419 ng
RT: 17.198 min Scan# 2418
Delta R.T. -0.012 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

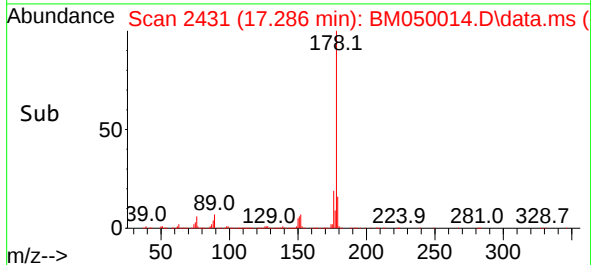
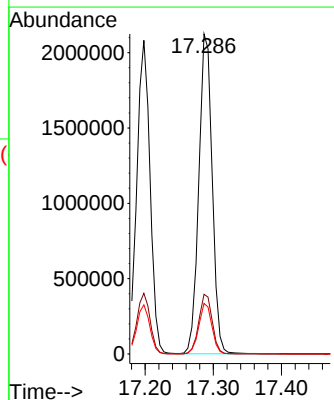
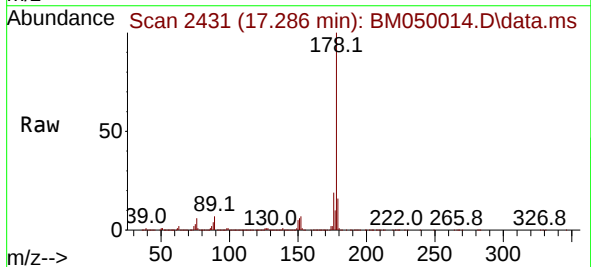
Instrument :
BNA_M
ClientSampleId :
72-12013MSD

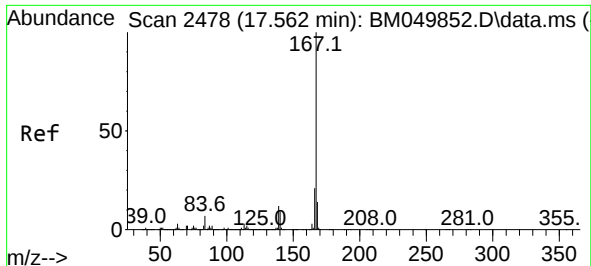
Tgt Ion:178 Resp: 2829185
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.7 12.3 18.5



#72
Anthracene
Concen: 48.286 ng
RT: 17.286 min Scan# 2431
Delta R.T. -0.011 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion:178 Resp: 2900234
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.8 12.4 18.6

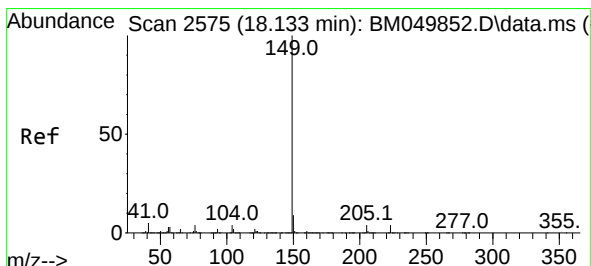
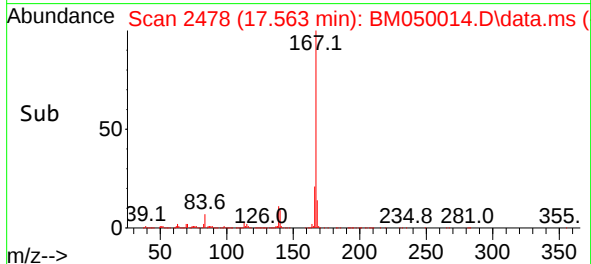
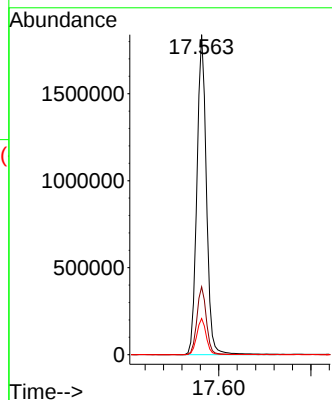
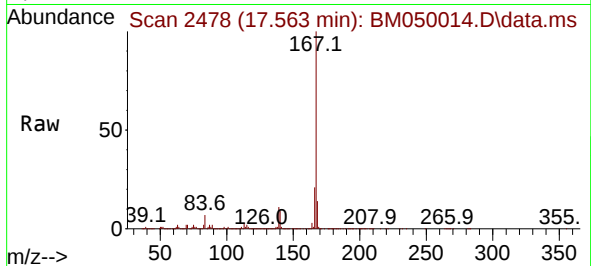




#73
 Carbazole
 Concen: 46.309 ng
 RT: 17.563 min Scan# 24
 Delta R.T. 0.000 min
 Lab File: BM050014.D
 Acq: 23 Apr 2025 15:16

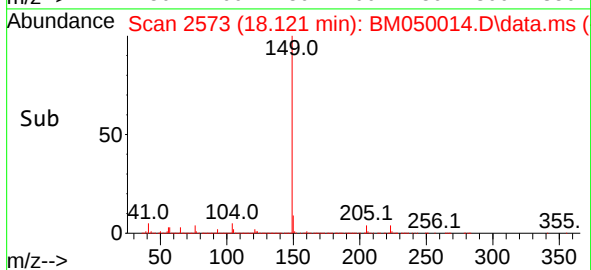
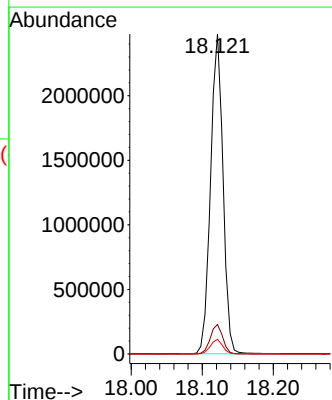
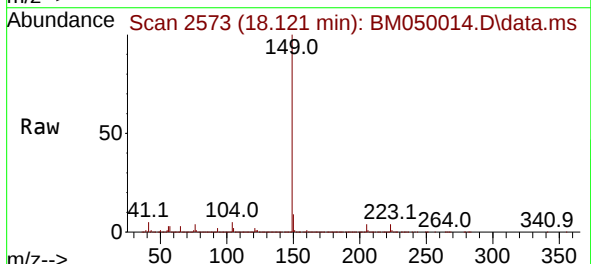
Instrument :
 BNA_M
 ClientSampleId :
 72-12013MSD

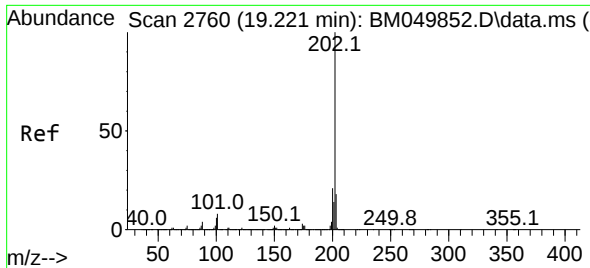
Tgt Ion:167 Resp: 2619834
 Ion Ratio Lower Upper
 167 100
 166 21.2 16.9 25.3
 139 11.3 9.3 13.9



#74
 Di-n-butylphthalate
 Concen: 46.270 ng
 RT: 18.121 min Scan# 2573
 Delta R.T. -0.012 min
 Lab File: BM050014.D
 Acq: 23 Apr 2025 15:16

Tgt Ion:149 Resp: 3014992
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.5 11.3
 104 4.5 3.5 5.3

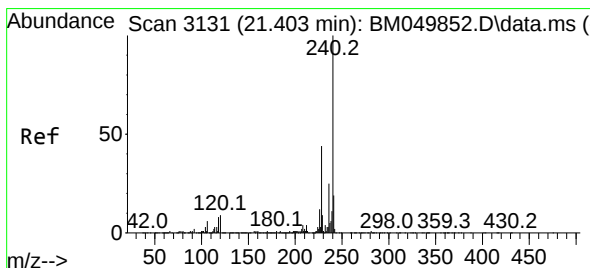
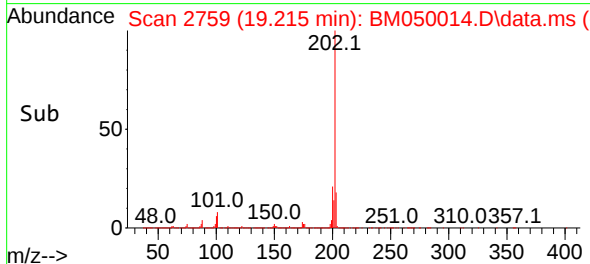
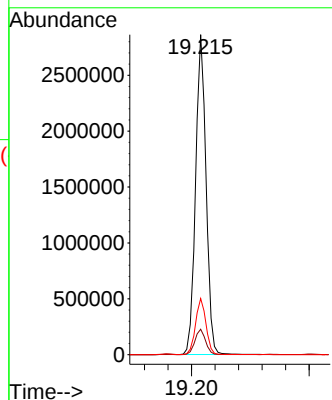
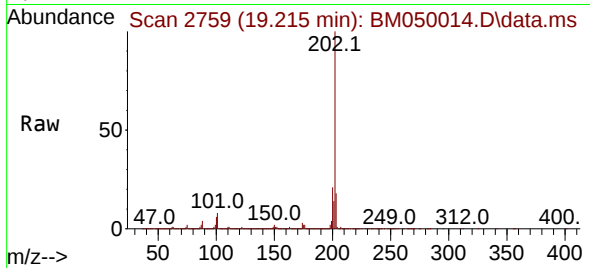




#75
Fluoranthene
Concen: 47.198 ng
RT: 19.215 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

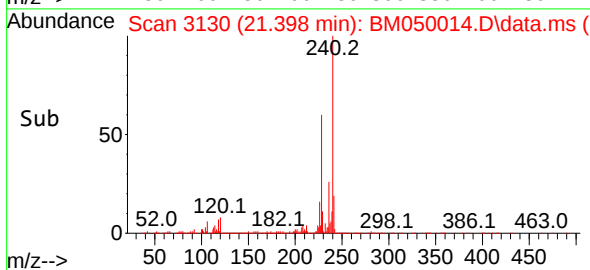
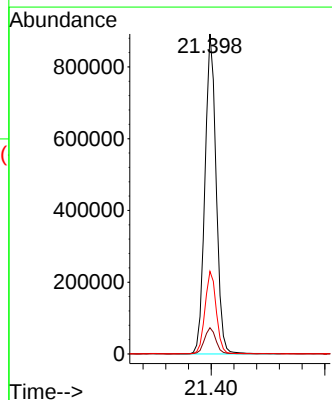
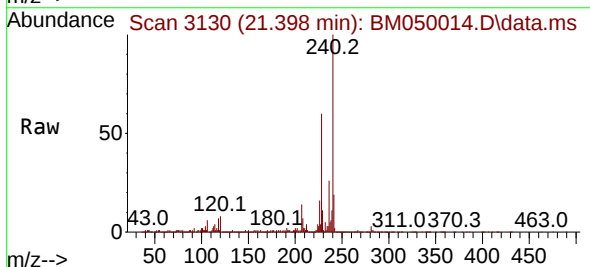
Instrument :
BNA_M
ClientSampleId :
72-12013MSD

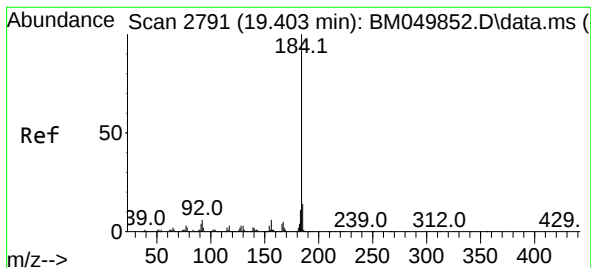
Tgt Ion:202 Resp: 3536949
Ion Ratio Lower Upper
202 100
101 8.0 0.0 28.4
203 17.5 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion:240 Resp: 1219355
Ion Ratio Lower Upper
240 100
120 8.2 6.9 10.3
236 25.8 20.4 30.6





#77

Benzidine

Concen: 86.715 ng

RT: 19.404 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM050014.D

Acq: 23 Apr 2025 15:16

Instrument :

BNA_M

ClientSampleId :

72-12013MSD

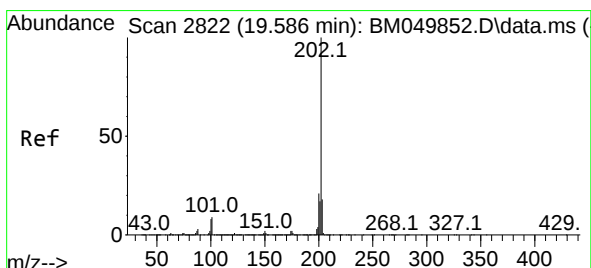
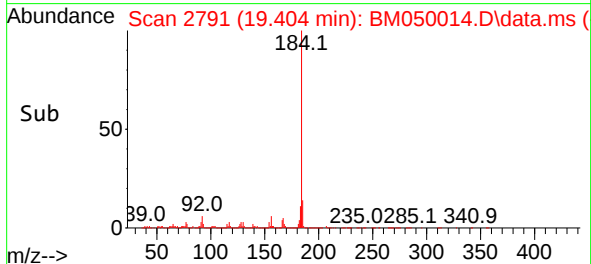
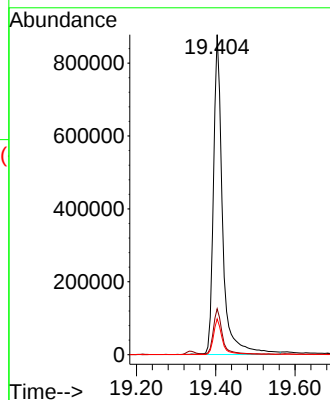
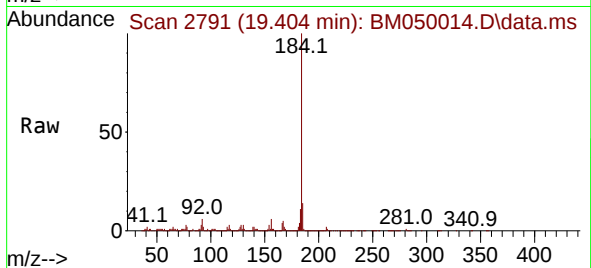
Tgt Ion:184 Resp: 1402740

Ion Ratio Lower Upper

184 100

185 14.4 11.4 17.2

183 11.2 8.8 13.2



#78

Pyrene

Concen: 44.210 ng

RT: 19.580 min Scan# 2821

Delta R.T. -0.006 min

Lab File: BM050014.D

Acq: 23 Apr 2025 15:16

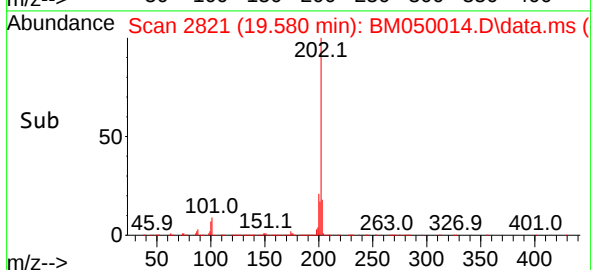
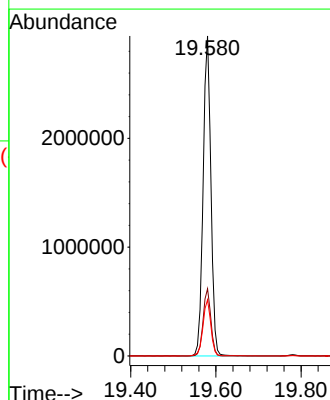
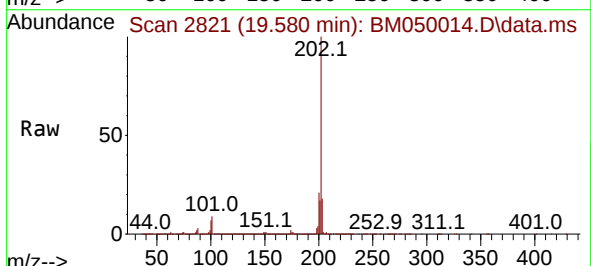
Tgt Ion:202 Resp: 3715192

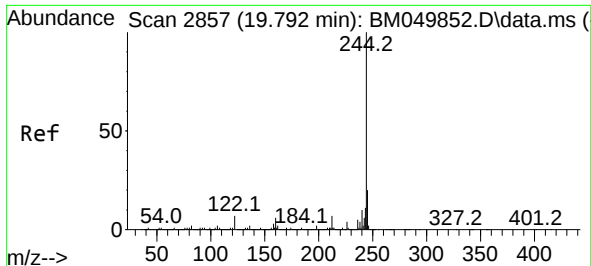
Ion Ratio Lower Upper

202 100

200 21.0 16.5 24.7

203 17.5 14.0 21.0

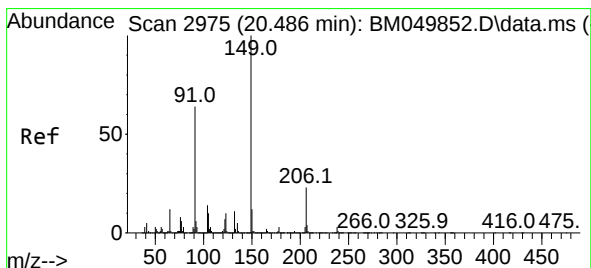
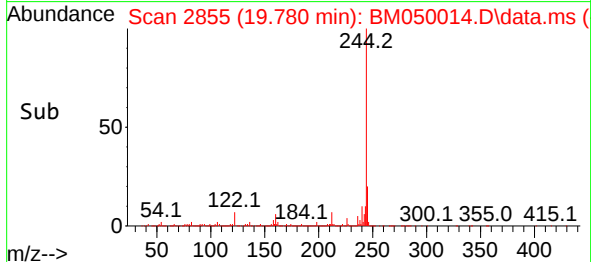
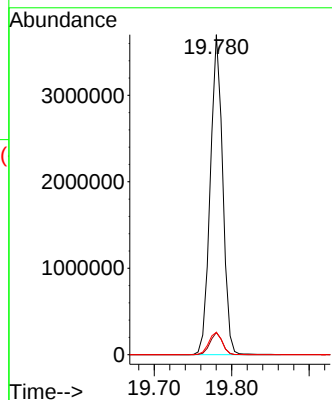
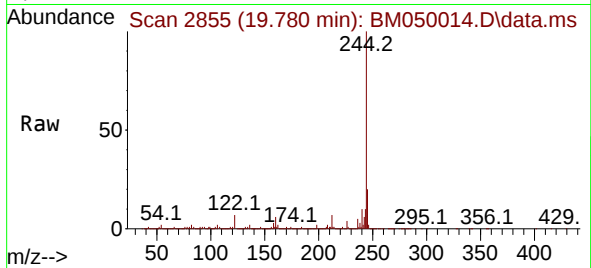




#79
 Terphenyl-d14
 Concen: 63.148 ng
 RT: 19.780 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM050014.D
 Acq: 23 Apr 2025 15:16

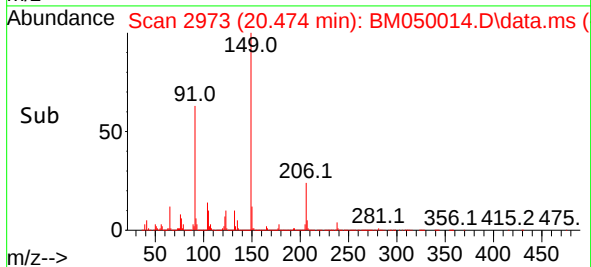
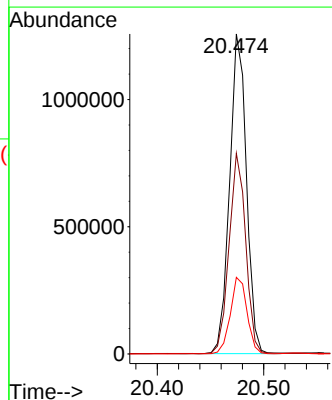
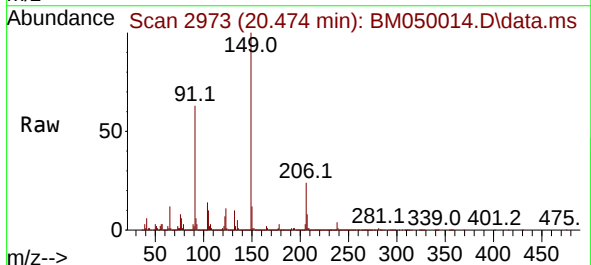
Instrument :
 BNA_M
 ClientSampleId :
 72-12013MSD

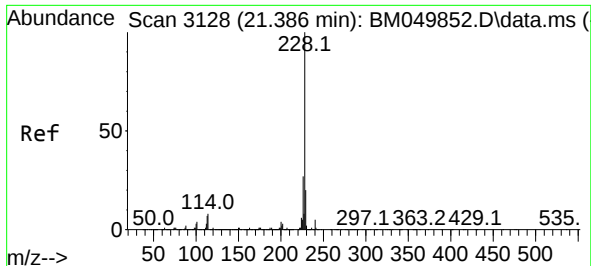
Tgt Ion:244 Resp: 4108760
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 7.0 5.4 8.0



#80
 Butylbenzylphthalate
 Concen: 43.558 ng
 RT: 20.474 min Scan# 2973
 Delta R.T. -0.011 min
 Lab File: BM050014.D
 Acq: 23 Apr 2025 15:16

Tgt Ion:149 Resp: 1375415
 Ion Ratio Lower Upper
 149 100
 91 62.7 50.9 76.3
 206 24.0 18.4 27.6

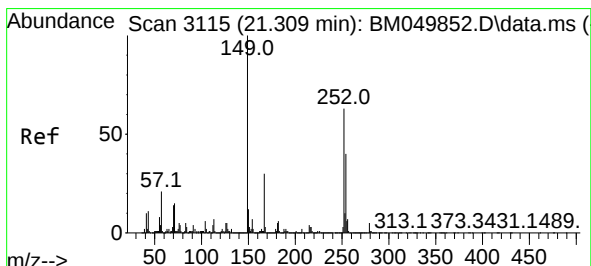
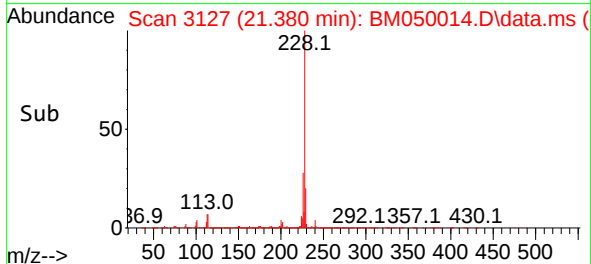
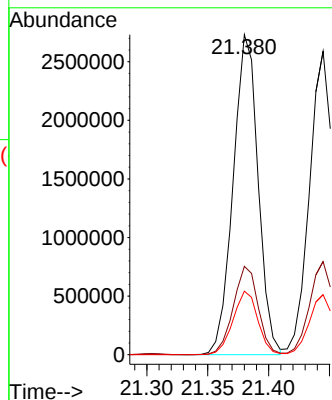
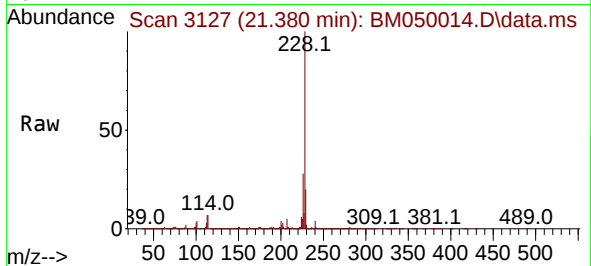




#81
Benzo(a)anthracene
Concen: 48.049 ng
RT: 21.380 min Scan# 3128
Delta R.T. -0.006 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

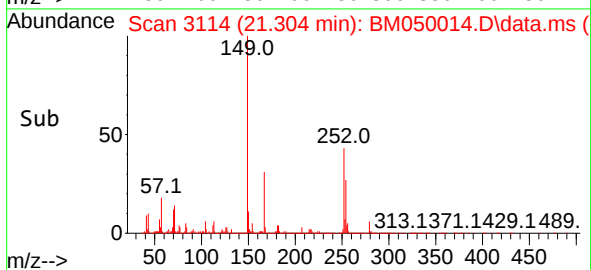
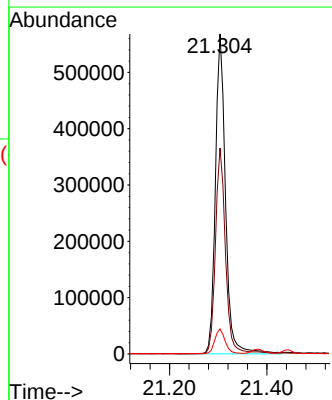
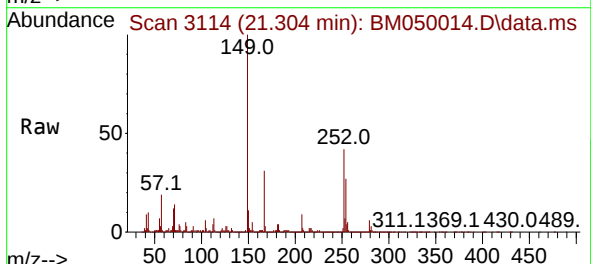
Instrument :
BNA_M
ClientSampleId :
72-12013MSD

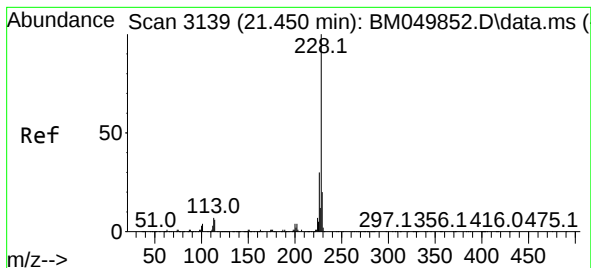
Tgt Ion:228 Resp: 3893781
Ion Ratio Lower Upper
228 100
226 27.6 21.8 32.8
229 19.9 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 26.619 ng
RT: 21.304 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion:252 Resp: 814630
Ion Ratio Lower Upper
252 100
254 64.4 51.5 77.3
126 7.8 6.3 9.5





#83

Chrysene

Concen: 46.599 ng

RT: 21.445 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM050014.D

Acq: 23 Apr 2025 15:16

Instrument :

BNA_M

ClientSampleId :

72-12013MSD

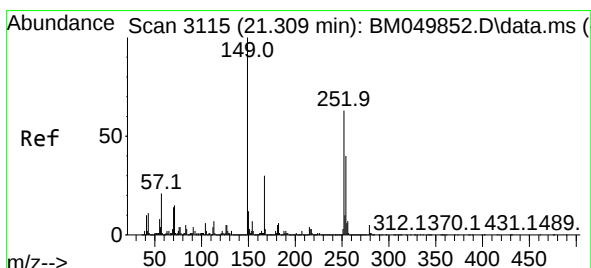
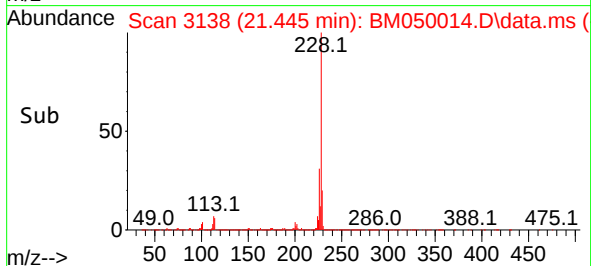
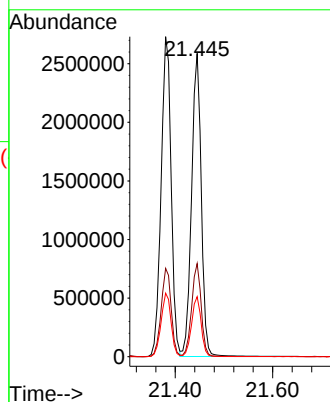
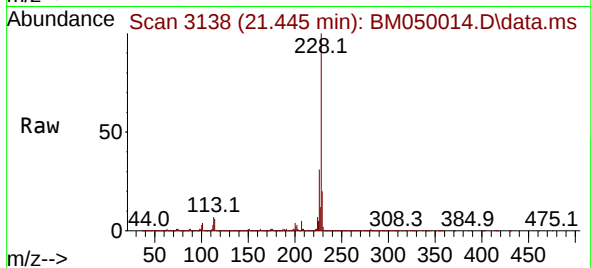
Tgt Ion:228 Resp: 3590117

Ion Ratio Lower Upper

228 100

226 30.7 24.1 36.1

229 19.8 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 43.962 ng

RT: 21.298 min Scan# 3113

Delta R.T. -0.012 min

Lab File: BM050014.D

Acq: 23 Apr 2025 15:16

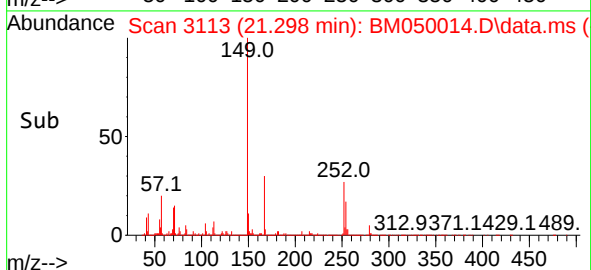
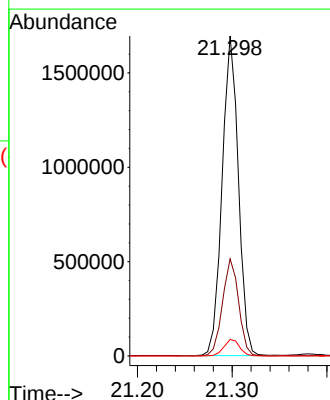
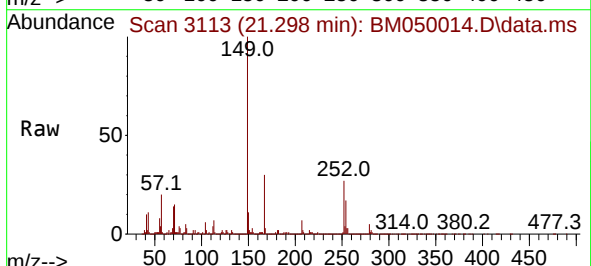
Tgt Ion:149 Resp: 2022532

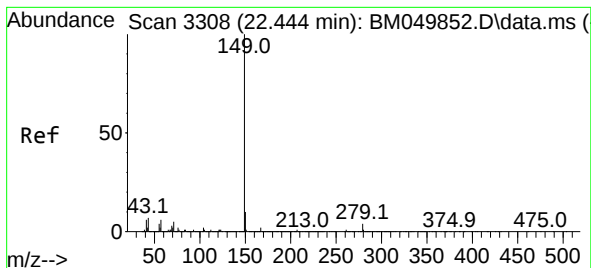
Ion Ratio Lower Upper

149 100

167 30.4 23.8 35.6

279 5.1 3.8 5.8





#85

Di-n-octyl phthalate

Concen: 42.399 ng

RT: 22.427 min Scan# 31

Delta R.T. -0.017 min

Lab File: BM050014.D

Acq: 23 Apr 2025 15:16

Instrument :

BNA_M

ClientSampleId :

72-12013MSD

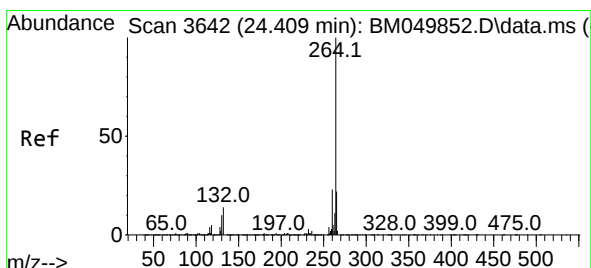
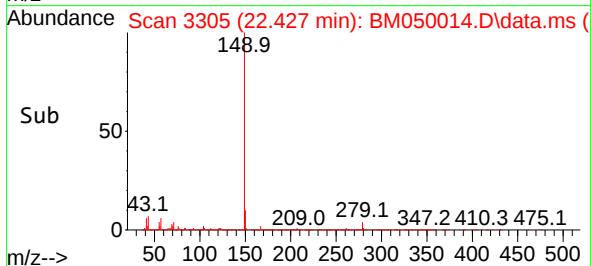
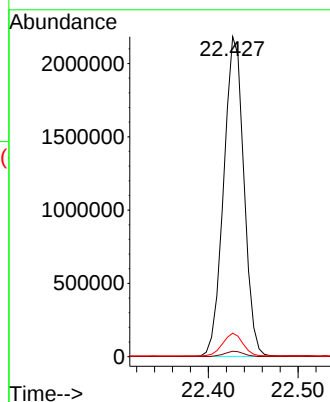
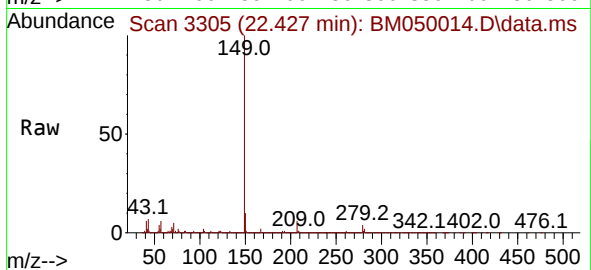
Tgt Ion:149 Resp: 3412440

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 7.0 5.8 8.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.403 min Scan# 3641

Delta R.T. -0.006 min

Lab File: BM050014.D

Acq: 23 Apr 2025 15:16

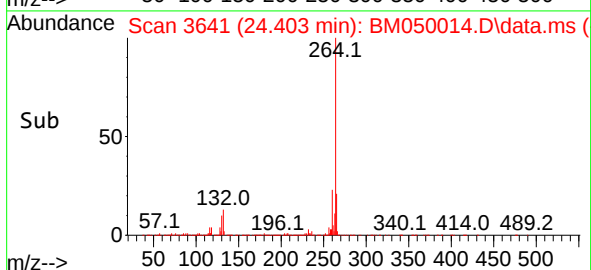
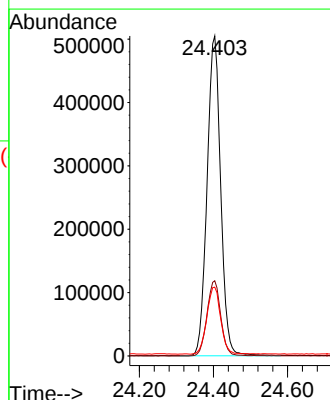
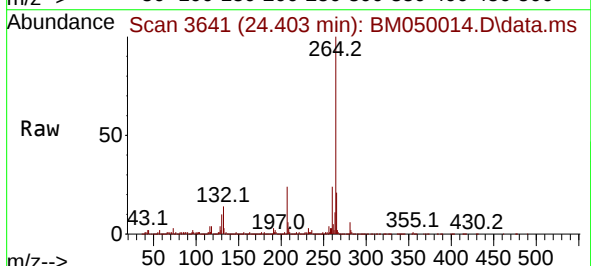
Tgt Ion:264 Resp: 1284687

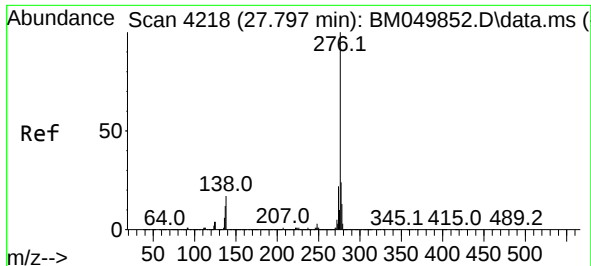
Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 21.5 17.8 26.8

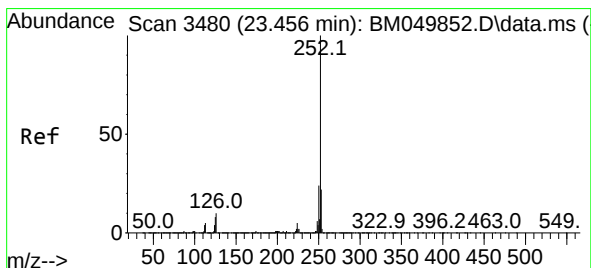
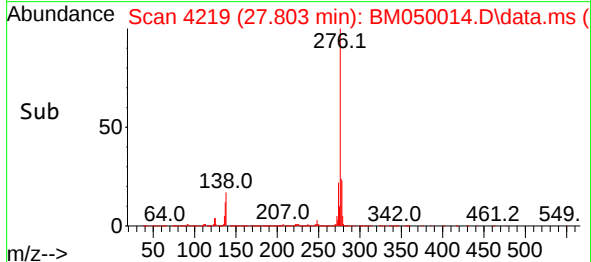
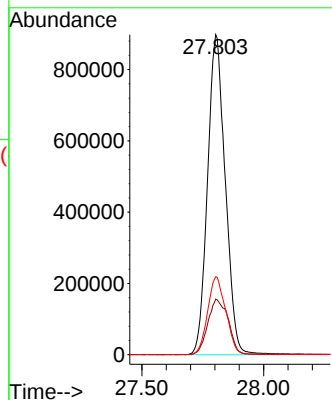
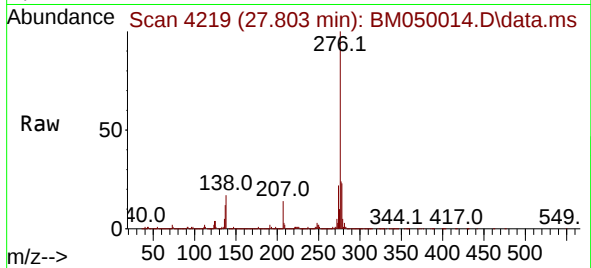




#87
Indeno(1,2,3-cd)pyrene
Concen: 47.370 ng
RT: 27.803 min Scan# 4219
Delta R.T. 0.006 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

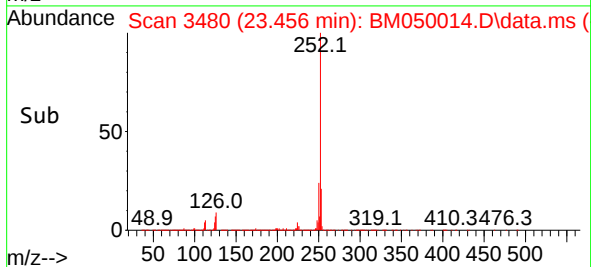
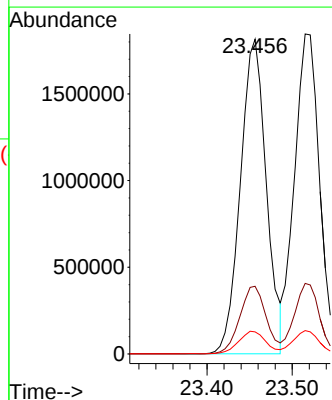
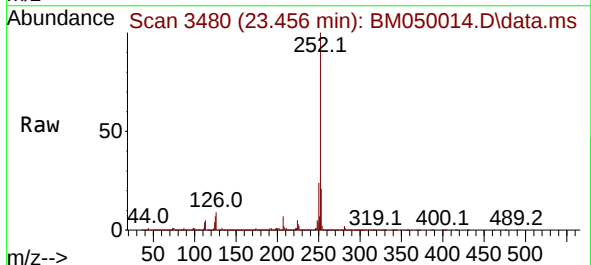
Instrument :
BNA_M
ClientSampleId :
72-12013MSD

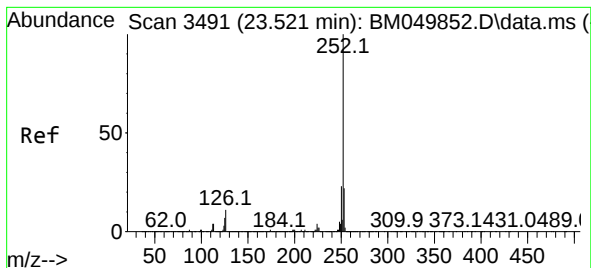
Tgt Ion:276 Resp: 4536229
Ion Ratio Lower Upper
276 100
138 20.0 16.8 25.2
277 24.9 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 46.802 ng
RT: 23.456 min Scan# 3480
Delta R.T. 0.000 min
Lab File: BM050014.D
Acq: 23 Apr 2025 15:16

Tgt Ion:252 Resp: 3839997
Ion Ratio Lower Upper
252 100
253 21.5 17.5 26.3
125 7.0 6.2 9.4





#89

Benzo(k)fluoranthene

Concen: 47.564 ng

RT: 23.515 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM050014.D

Acq: 23 Apr 2025 15:16

Instrument :

BNA_M

ClientSampleId :

72-12013MSD

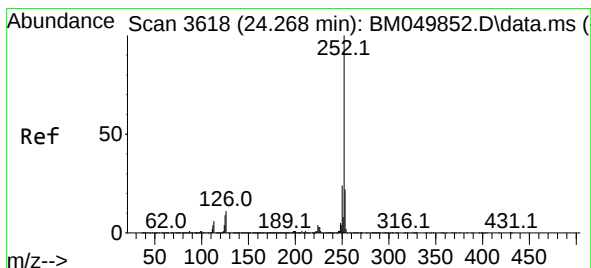
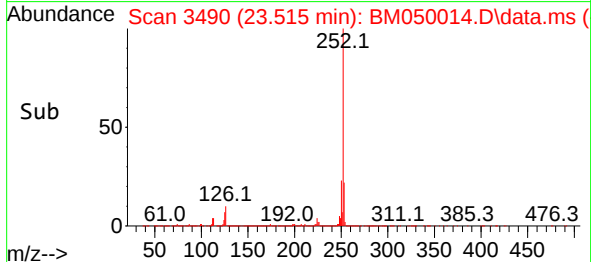
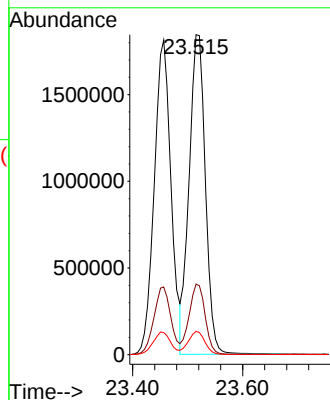
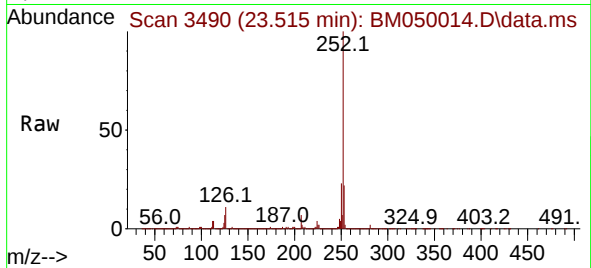
Tgt Ion:252 Resp: 3781835

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 7.3 5.8 8.8



#90

Benzo(a)pyrene

Concen: 49.723 ng

RT: 24.262 min Scan# 3617

Delta R.T. -0.006 min

Lab File: BM050014.D

Acq: 23 Apr 2025 15:16

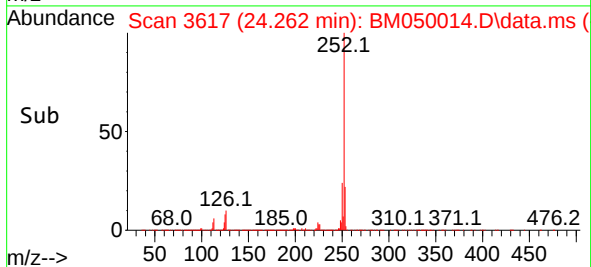
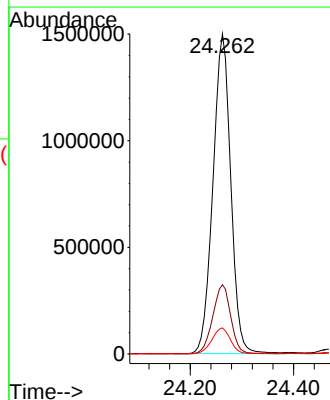
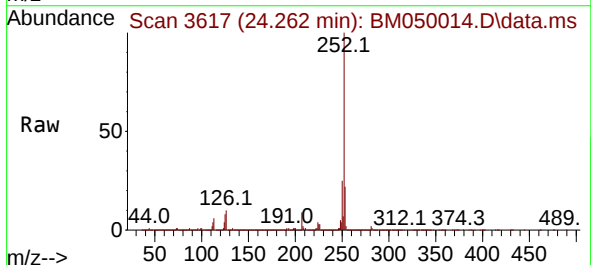
Tgt Ion:252 Resp: 3584913

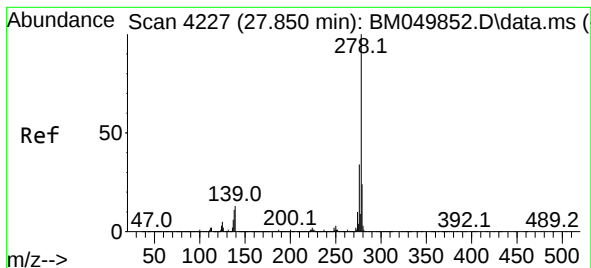
Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.8

125 8.1 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 46.826 ng

RT: 27.850 min Scan# 41

Delta R.T. 0.000 min

Lab File: BM050014.D

Acq: 23 Apr 2025 15:16

Instrument :

BNA_M

ClientSampleId :

72-12013MSD

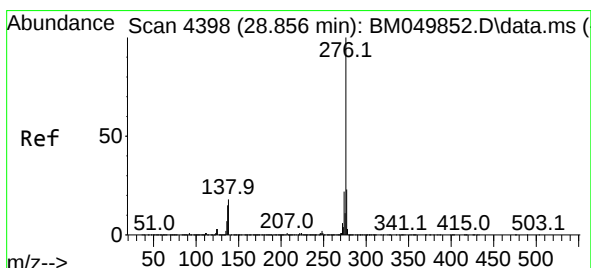
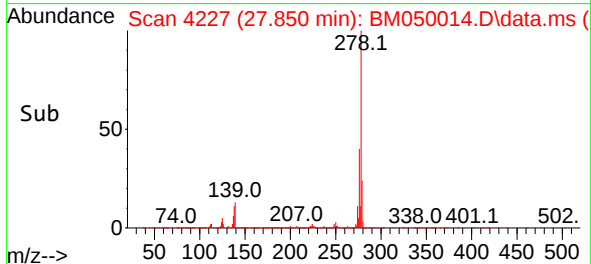
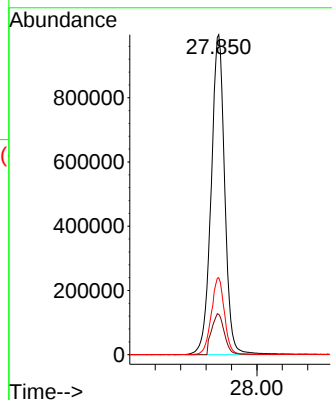
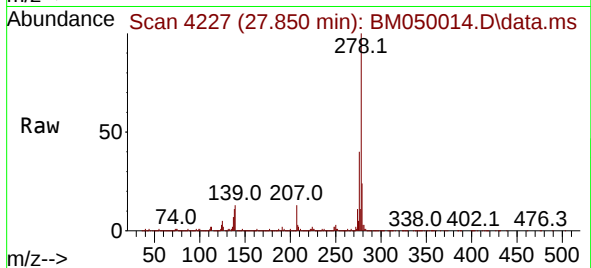
Tgt Ion:278 Resp: 3693540

Ion Ratio Lower Upper

278 100

139 12.6 10.6 15.8

279 24.1 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 43.419 ng

RT: 28.856 min Scan# 4398

Delta R.T. 0.000 min

Lab File: BM050014.D

Acq: 23 Apr 2025 15:16

Tgt Ion:276 Resp: 3499678

Ion Ratio Lower Upper

276 100

277 23.9 18.7 28.1

138 17.5 14.6 21.8

