

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
 Data File : BM049904.D
 Acq On : 11 Apr 2025 16:55
 Operator : RC/JU
 Sample : Q1760-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-15

Quant Time: Apr 11 17:40:25 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)

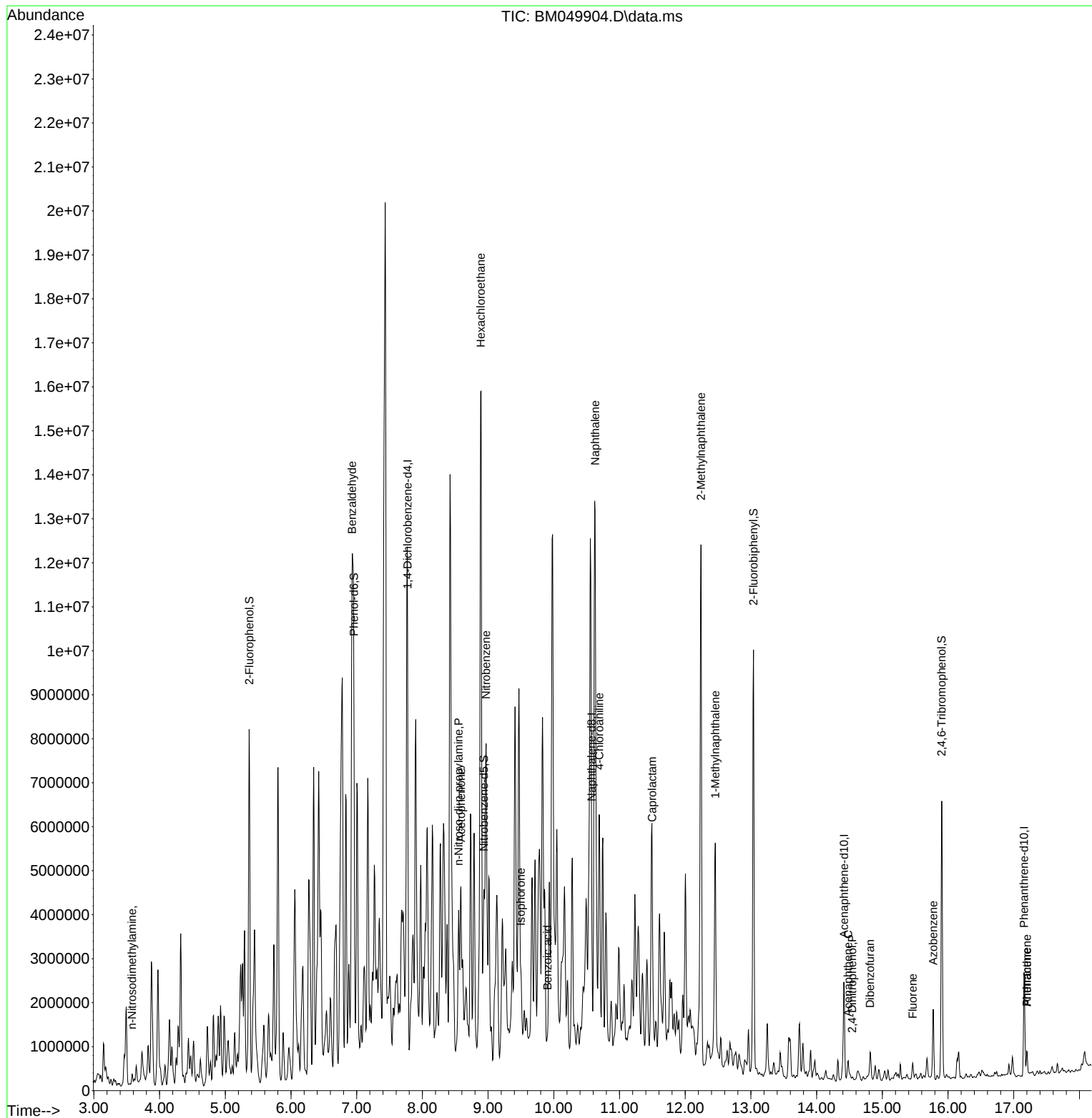
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	332371	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1124671	20.000	ng	# 0.00
39) Acenaphthene-d10	14.416	164	772812	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1443699	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1321801	20.000	ng	0.00
86) Perylene-d12	24.391	264	1443556	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	2233635	114.116	ng	0.00
7) Phenol-d6	6.957	99	2992848	122.895	ng	0.00
23) Nitrobenzene-d5	8.934	82	1912978	94.716	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1278611	113.747	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	5125402	89.933	ng	0.00
79) Terphenyl-d14	19.786	244	7549110	107.031	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.581	42	20577	2.553	ng	# 1
9) Benzaldehyde	6.928	77	452743	36.228	ng	# 1
18) Hexachloroethane	8.886	117	1649867	198.733	ng	# 1
19) n-Nitroso-di-n-propyla...	8.551	70	130983	9.711	ng	# 67
22) Acetophenone	8.586	105	2225622	81.426	ng	# 59
24) Nitrobenzene	8.969	77	222343	11.433	ng	# 17
25) Isophorone	9.498	82	189556	5.603	ng	# 1
31) Naphthalene	10.628	128	6550666	113.353	ng	# 97
32) Benzoic acid	9.904	122	2119	8.659	ng	# 1
33) 4-Chloroaniline	10.692	127	102006	4.999	ng	# 1
35) Caprolactam	11.498	113	26049	4.677	ng	# 1
37) 2-Methylnaphthalene	12.239	142	5768495	141.674	ng	99
38) 1-Methylnaphthalene	12.457	142	2331833	58.784	ng	100
52) Acenaphthene	14.480	154	143767	3.436	ng	98
54) 2,4-Dinitrophenol	14.539	184	202	7.247	ng	# 1
55) Dibenzofuran	14.815	168	189789	2.714	ng	# 89
58) Fluorene	15.463	166	127615	2.296	ng	# 96
63) Azobenzene	15.774	77	386684	8.638	ng	# 1
71) Phenanthrene	17.198	178	346983	4.384	ng	99
72) Anthracene	17.198	178	346983	4.448	ng	99
84) Bis(2-ethylhexyl)phtha...	21.303	149	141968	2.847	ng	100

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

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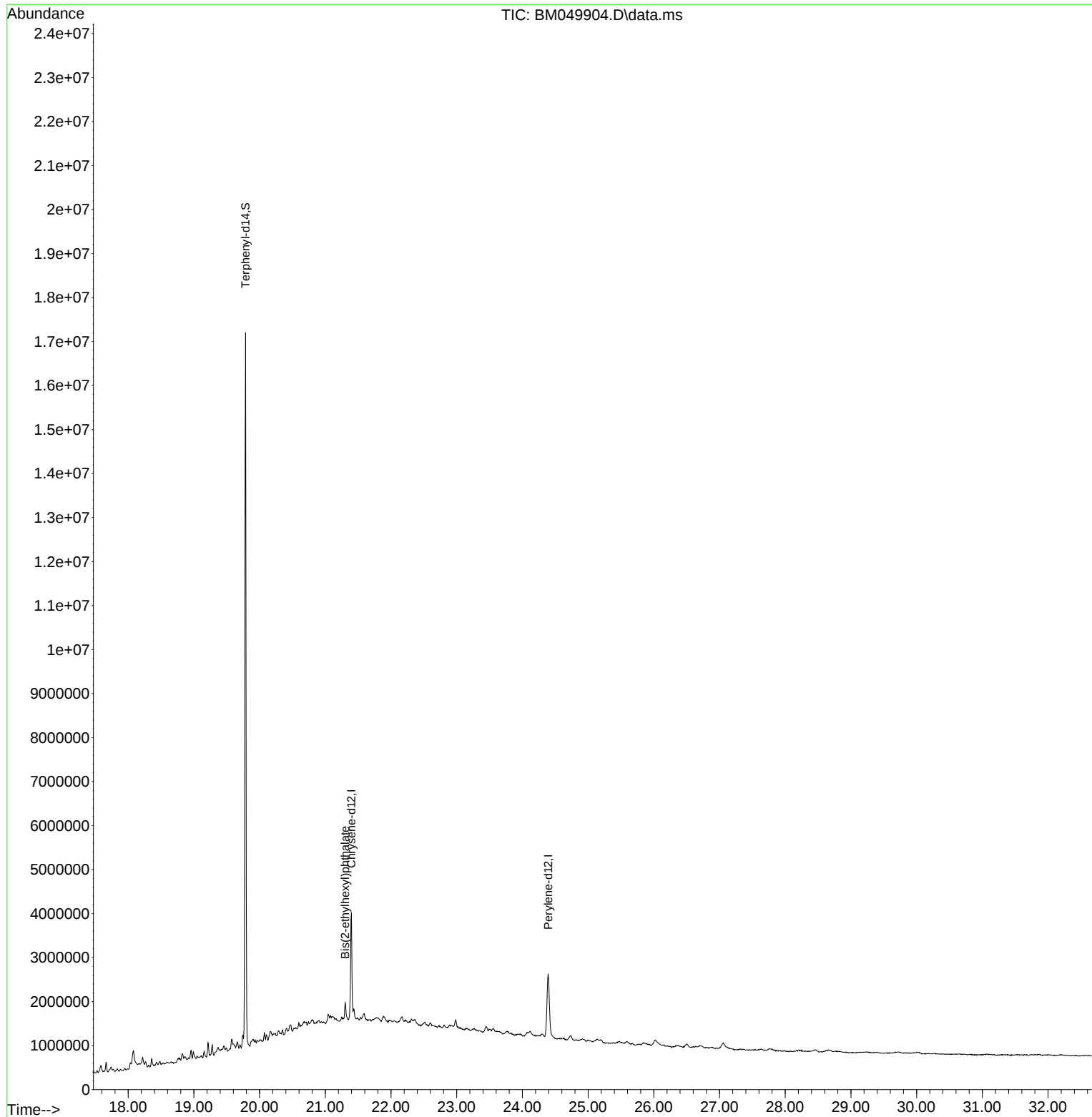
Quant Time: Apr 11 17:40:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
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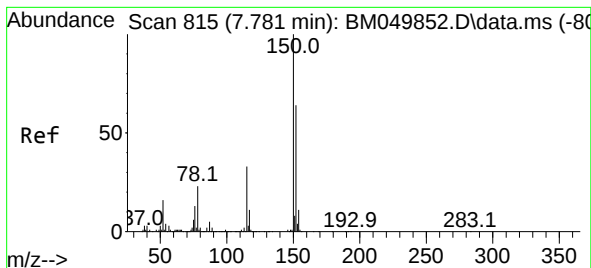


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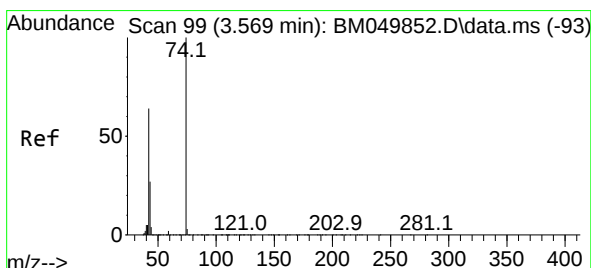
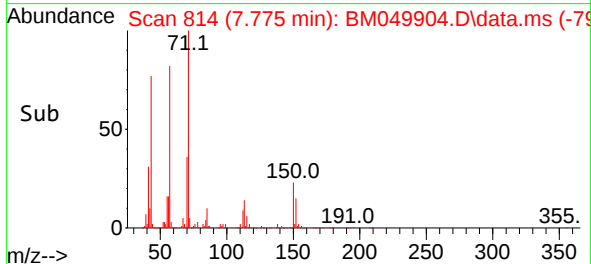
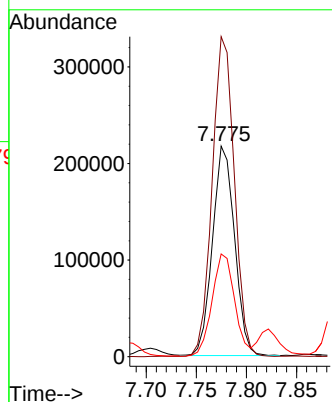
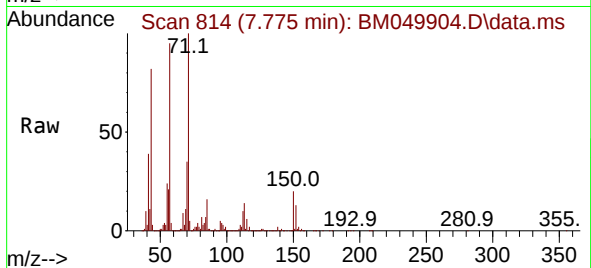




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 815
Delta R.T. -0.006 min
Lab File: BM049904.D
Acq: 11 Apr 2025 16:55

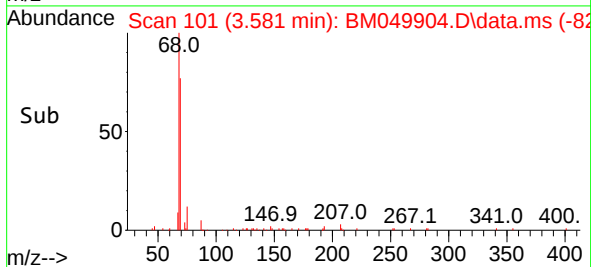
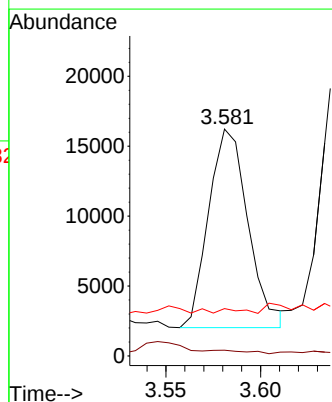
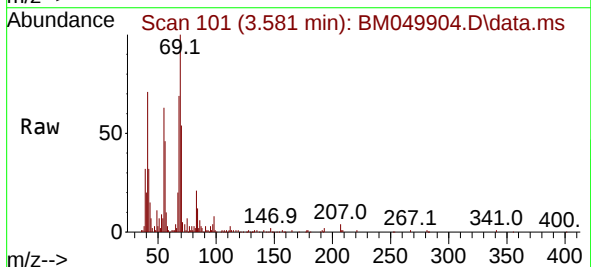
Instrument :
BNA_M
ClientSampleId :
TP-15

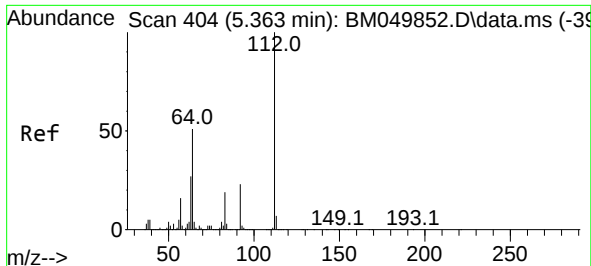
Tgt Ion:152 Resp: 332371
Ion Ratio Lower Upper
152 100
150 151.9 124.3 186.5
115 48.8 41.1 61.7



#4
n-Nitrosodimethylamine
Concen: 2.553 ng
RT: 3.581 min Scan# 101
Delta R.T. 0.012 min
Lab File: BM049904.D
Acq: 11 Apr 2025 16:55

Tgt Ion: 42 Resp: 20577
Ion Ratio Lower Upper
42 100
74 2.5 125.4 188.2#
44 20.9 5.9 8.9#

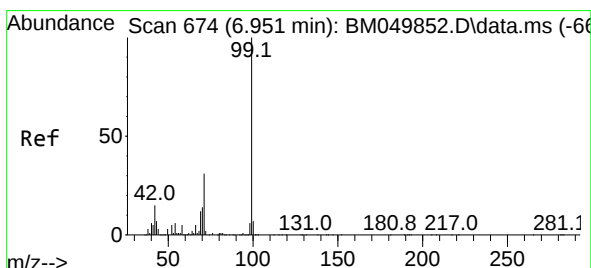
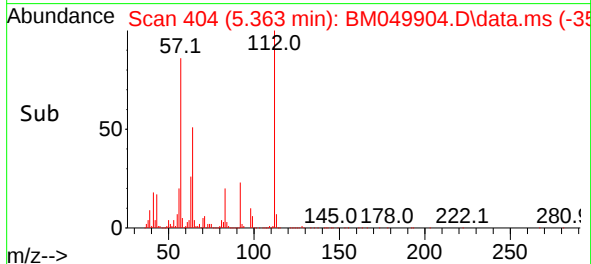
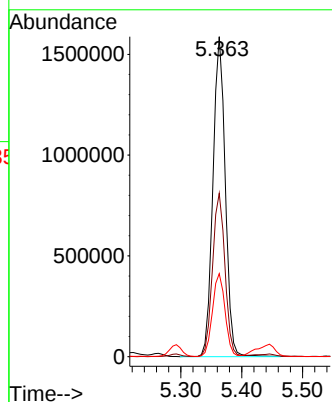
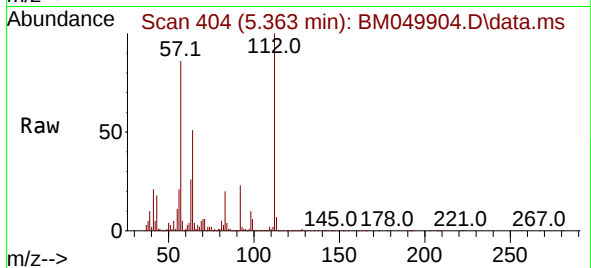




#5
2-Fluorophenol
Concen: 114.116 ng
RT: 5.363 min Scan# 404
Delta R.T. -0.000 min
Lab File: BM049904.D
Acq: 11 Apr 2025 16:55

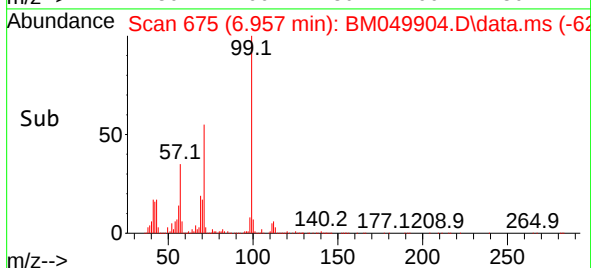
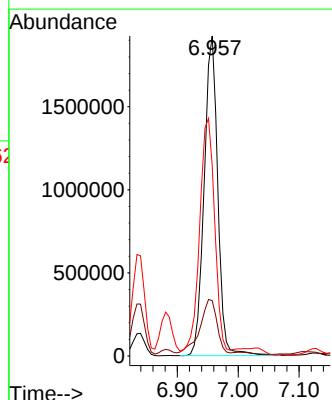
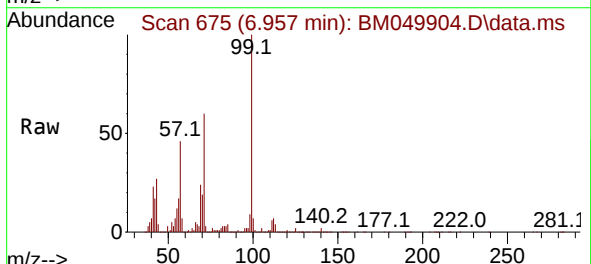
Instrument :
BNA_M
ClientSampleId :
TP-15

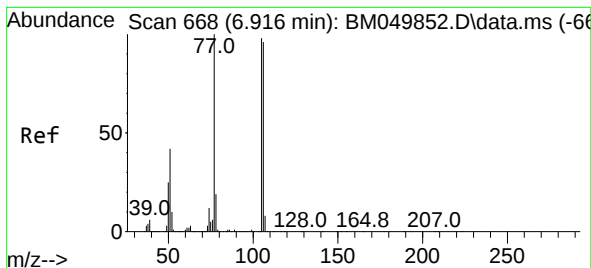
Tgt Ion:112 Resp: 2233635
Ion Ratio Lower Upper
112 100
64 51.1 41.0 61.6
63 25.9 21.5 32.3



#7
Phenol-d6
Concen: 122.895 ng
RT: 6.957 min Scan# 675
Delta R.T. 0.006 min
Lab File: BM049904.D
Acq: 11 Apr 2025 16:55

Tgt Ion: 99 Resp: 2992848
Ion Ratio Lower Upper
99 100
42 17.3 12.1 18.1
71 59.6 24.9 37.3#





#9

Benzaldehyde

Concen: 36.228 ng

RT: 6.928 min Scan# 61

Delta R.T. 0.012 min

Lab File: BM049904.D

Acq: 11 Apr 2025 16:55

Instrument :

BNA_M

ClientSampleId :

TP-15

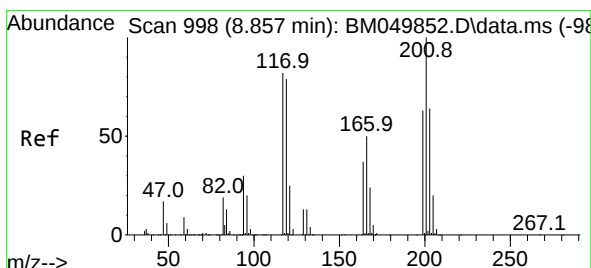
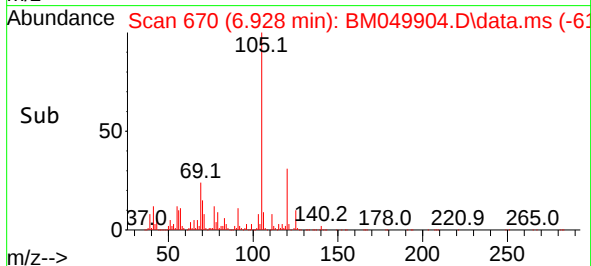
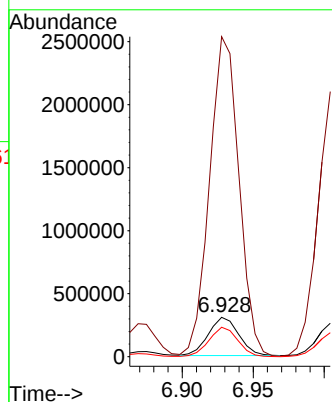
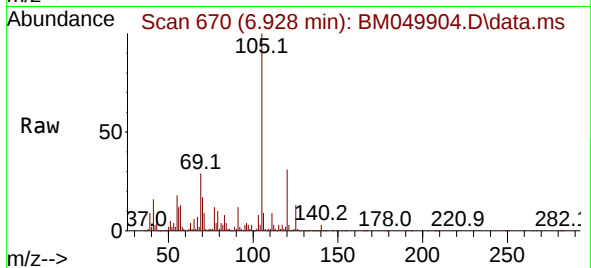
Tgt Ion: 77 Resp: 452743

Ion Ratio Lower Upper

77 100

105 812.1 78.3 118.3#

106 74.6 76.0 116.0#



#18

Hexachloroethane

Concen: 198.733 ng

RT: 8.886 min Scan# 1003

Delta R.T. 0.029 min

Lab File: BM049904.D

Acq: 11 Apr 2025 16:55

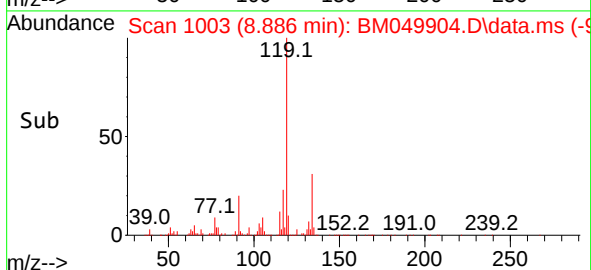
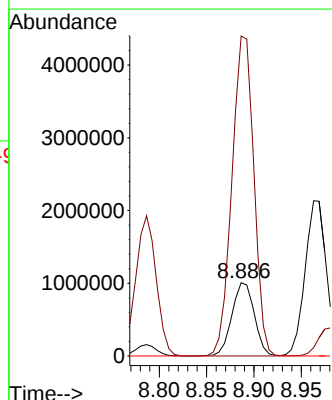
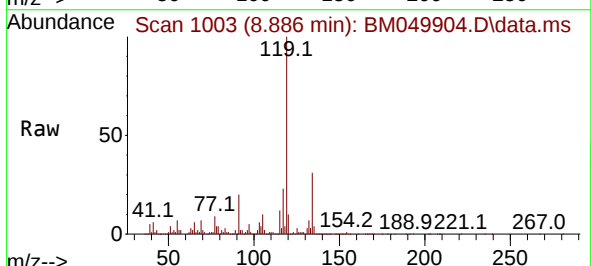
Tgt Ion: 117 Resp: 1649867

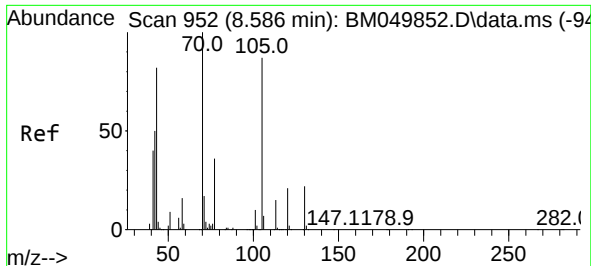
Ion Ratio Lower Upper

117 100

119 436.2 77.5 116.3#

201 0.0 97.7 146.5#

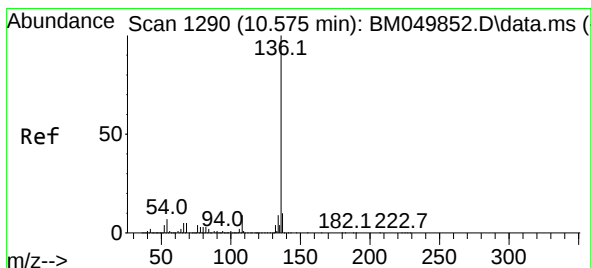
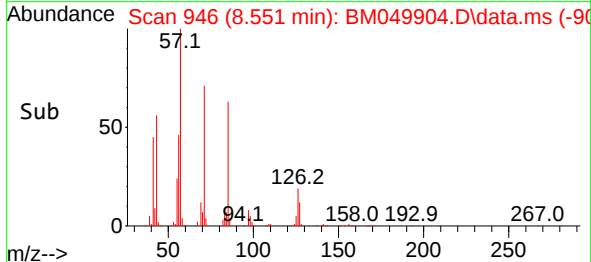
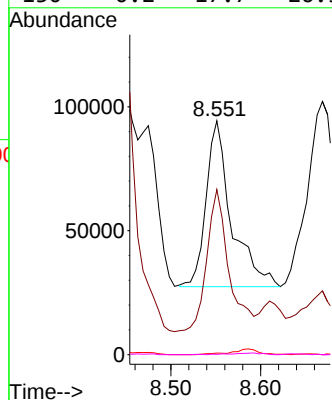
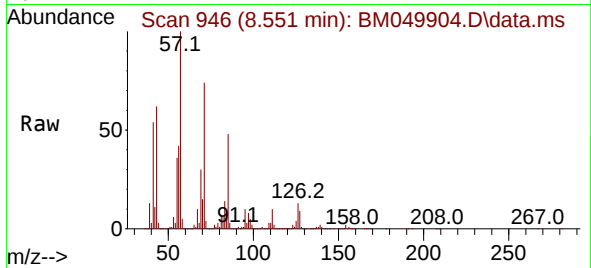




#19
n-Nitroso-di-n-propylamine
Concen: 9.711 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.035 min
Lab File: BM049904.D
Acq: 11 Apr 2025 16:55

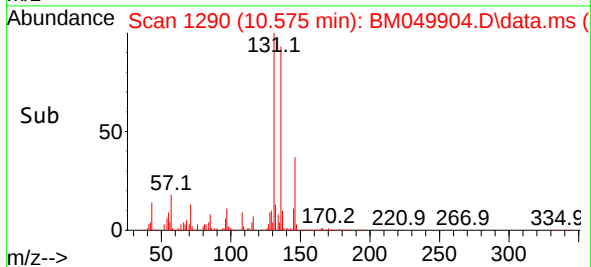
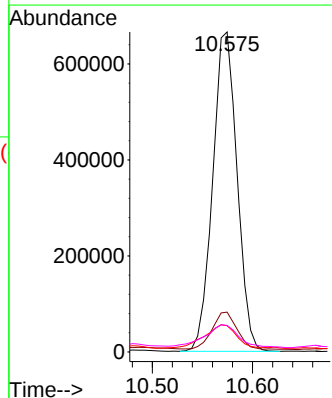
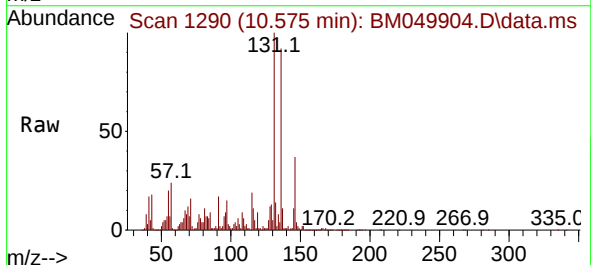
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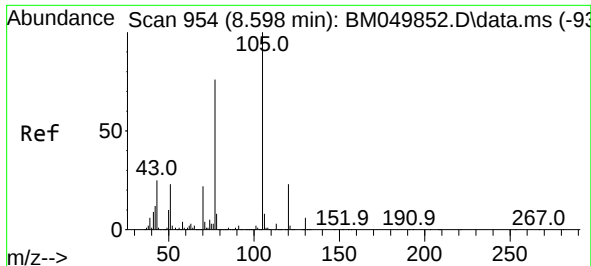
Tgt Ion: 70 Resp: 130983
Ion Ratio Lower Upper
70 100
42 70.6 40.2 60.2#
101 0.7 7.9 11.9#
130 0.2 17.7 26.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1290
Delta R.T. -0.000 min
Lab File: BM049904.D
Acq: 11 Apr 2025 16:55

Tgt Ion: 136 Resp: 1124671
Ion Ratio Lower Upper
136 100
137 12.5 8.4 12.6
54 8.2 5.3 7.9#
68 8.3 4.3 6.5#

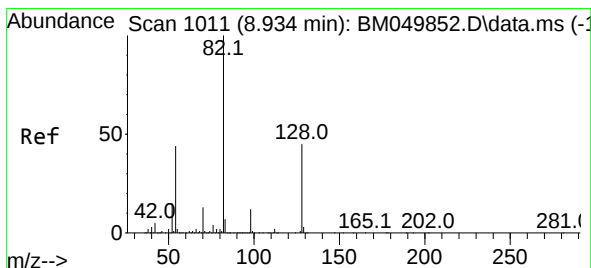
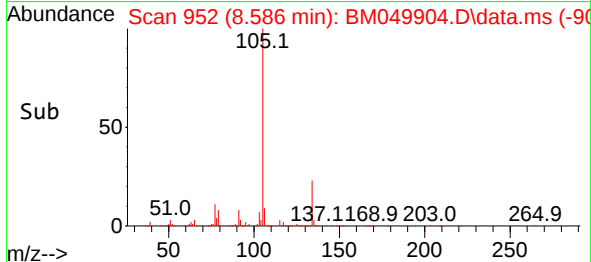
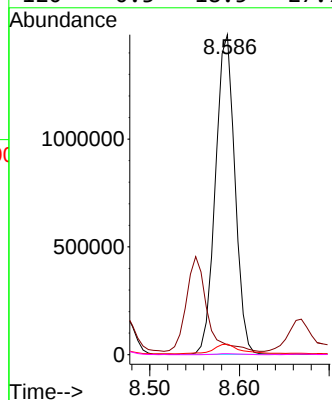
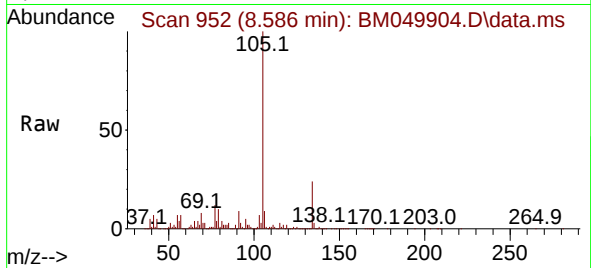




#22
Acetophenone
Concen: 81.426 ng
RT: 8.586 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM049904.D
Acq: 11 Apr 2025 16:55

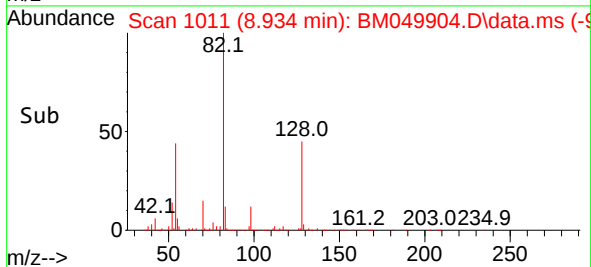
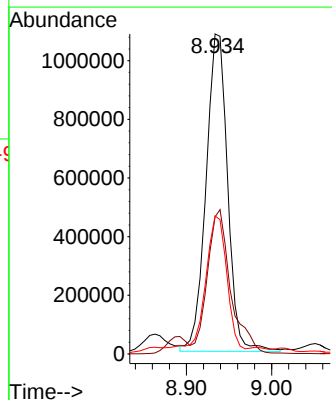
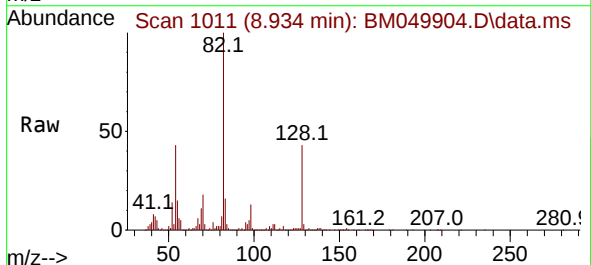
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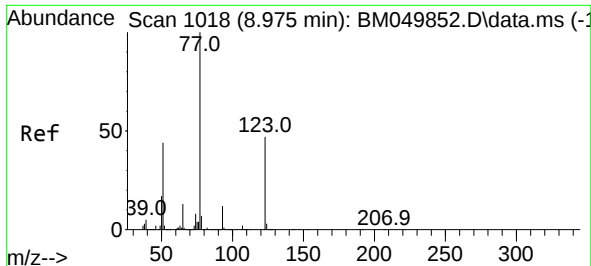
Tgt Ion:105 Resp: 2225622
Ion Ratio Lower Upper
105 100
71 3.1 3.0 4.4
51 3.3 18.6 27.8#
120 0.3 18.5 27.7#



#23
Nitrobenzene-d5
Concen: 94.716 ng
RT: 8.934 min Scan# 1011
Delta R.T. -0.000 min
Lab File: BM049904.D
Acq: 11 Apr 2025 16:55

Tgt Ion: 82 Resp: 1912978
Ion Ratio Lower Upper
82 100
128 42.8 36.2 54.2
54 43.1 35.0 52.6

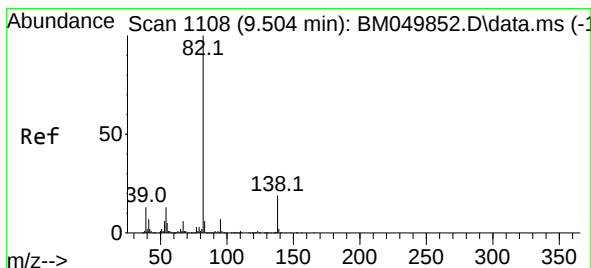
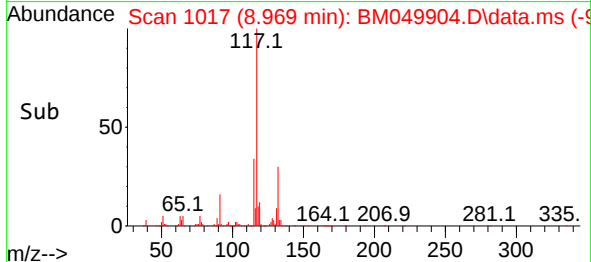
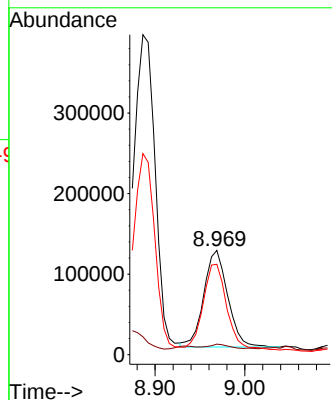
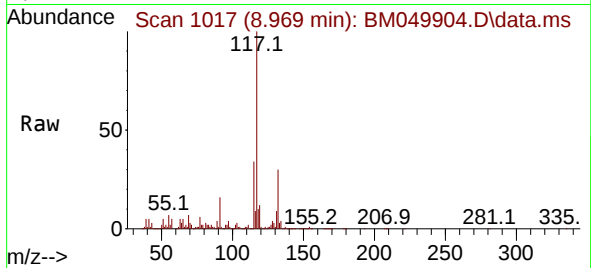




#24
Nitrobenzene
Concen: 11.433 ng
RT: 8.969 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BM049904.D
Acq: 11 Apr 2025 16:55

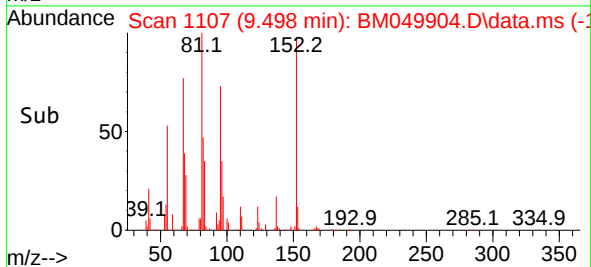
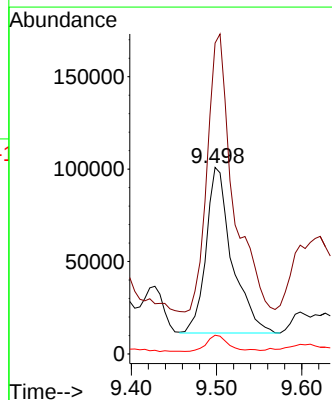
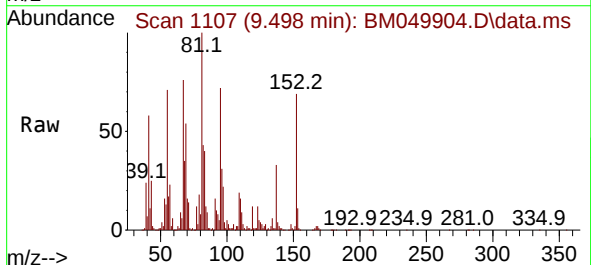
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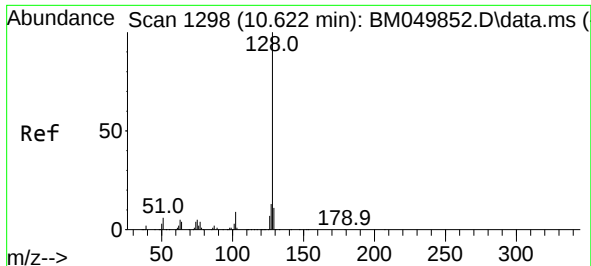
Tgt Ion: 77 Resp: 222343
Ion Ratio Lower Upper
77 100
123 10.1 37.4 56.2#
65 86.7 10.1 15.1#



#25
Isophorone
Concen: 5.603 ng
RT: 9.498 min Scan# 1107
Delta R.T. -0.006 min
Lab File: BM049904.D
Acq: 11 Apr 2025 16:55

Tgt Ion: 82 Resp: 189556
Ion Ratio Lower Upper
82 100
95 166.7 5.4 8.2#
138 10.0 15.0 22.6#

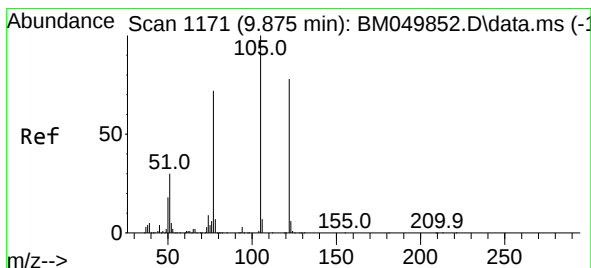
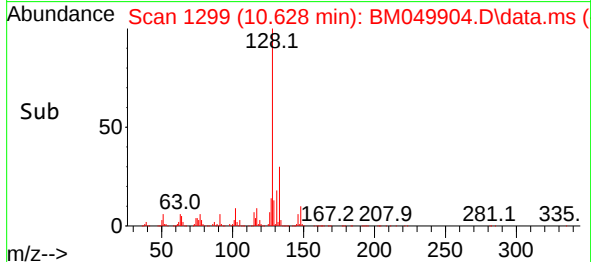
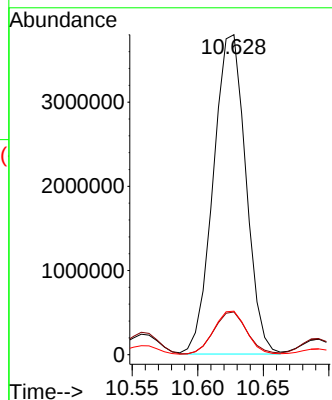
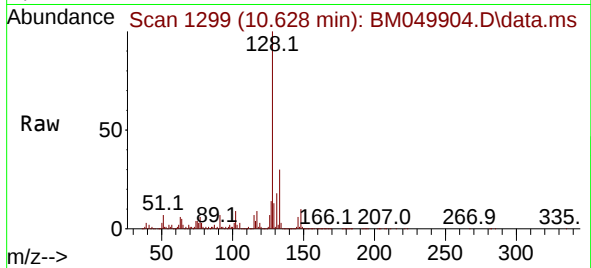




#31
Naphthalene
Concen: 113.353 ng
RT: 10.628 min Scan# 1176
Delta R.T. 0.006 min
Lab File: BM049904.D
Acq: 11 Apr 2025 16:55

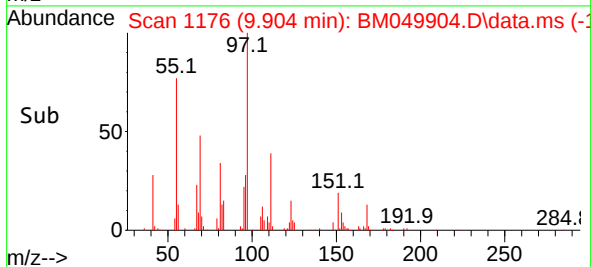
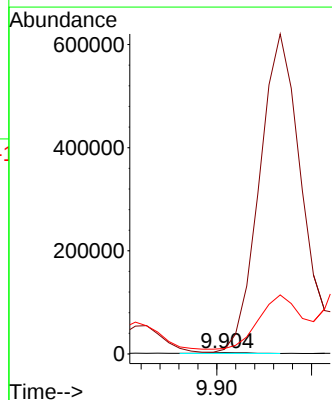
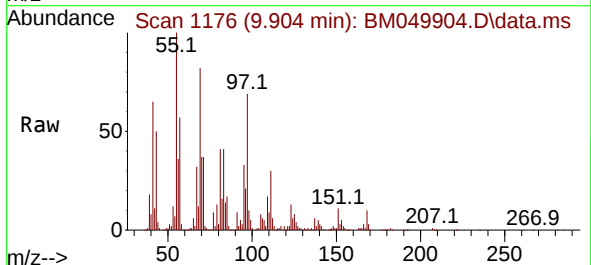
Instrument :
BNA_M
ClientSampleId :
TP-15

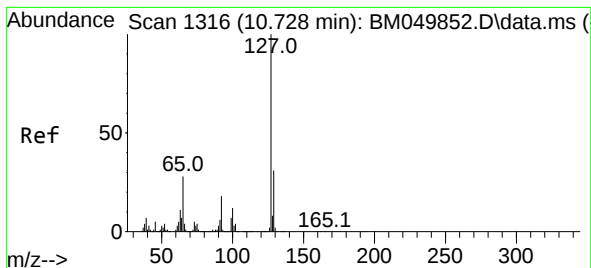
Tgt Ion:128 Resp: 6550666
Ion Ratio Lower Upper
128 100
129 13.4 8.8 13.2#
127 13.6 10.6 15.8



#32
Benzoic acid
Concen: 8.659 ng
RT: 9.904 min Scan# 1176
Delta R.T. 0.029 min
Lab File: BM049904.D
Acq: 11 Apr 2025 16:55

Tgt Ion:122 Resp: 2119
Ion Ratio Lower Upper
122 100
105 359.2 103.8 143.8#
77 420.7 70.7 110.7#

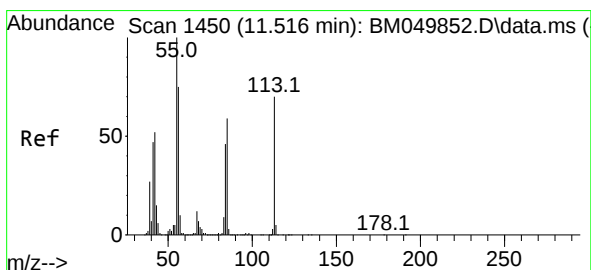
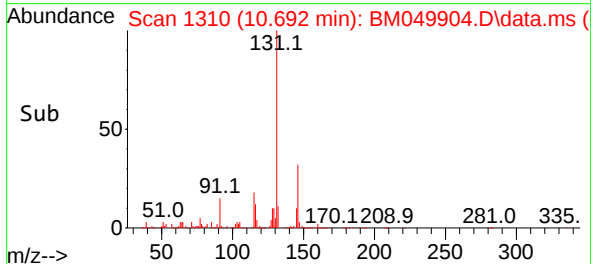
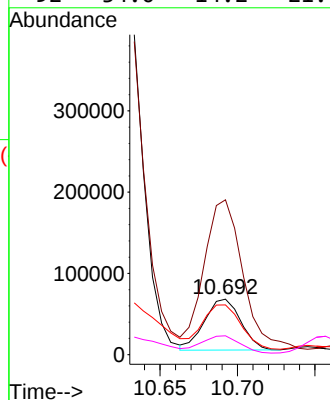
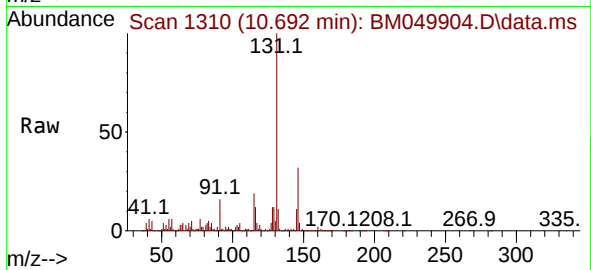




#33
4-Chloroaniline
Concen: 4.999 ng
RT: 10.692 min Scan# 11
Delta R.T. -0.035 min
Lab File: BM049904.D
Acq: 11 Apr 2025 16:55

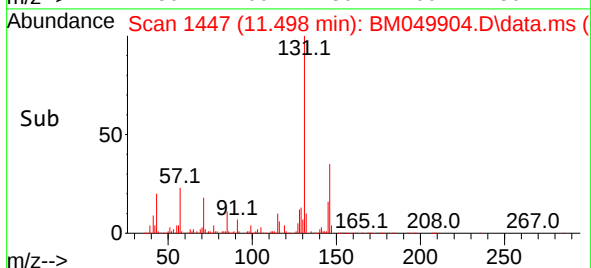
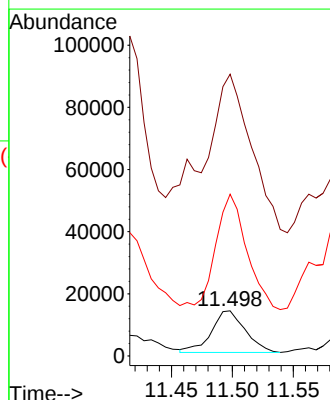
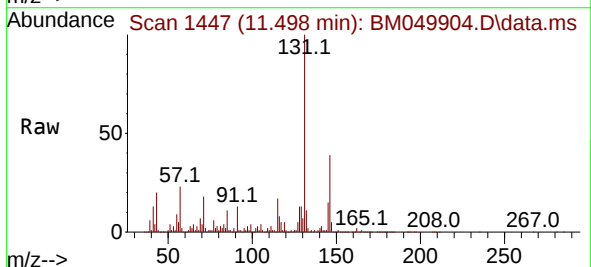
Instrument :
BNA_M
ClientSampleId :
TP-15

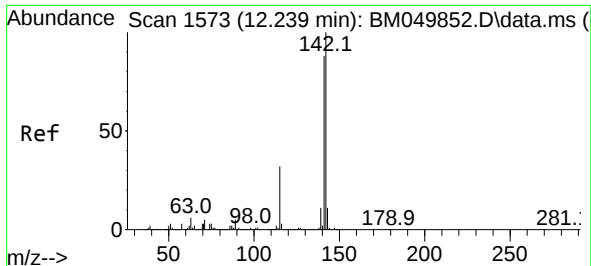
Tgt Ion:127 Resp: 102006
Ion Ratio Lower Upper
127 100
129 278.8 24.9 37.3#
65 89.6 22.4 33.6#
92 34.0 14.2 21.4#



#35
Caprolactam
Concen: 4.677 ng
RT: 11.498 min Scan# 1447
Delta R.T. -0.018 min
Lab File: BM049904.D
Acq: 11 Apr 2025 16:55

Tgt Ion:113 Resp: 26049
Ion Ratio Lower Upper
113 100
55 625.3 124.3 164.3#
56 359.0 87.5 127.5#

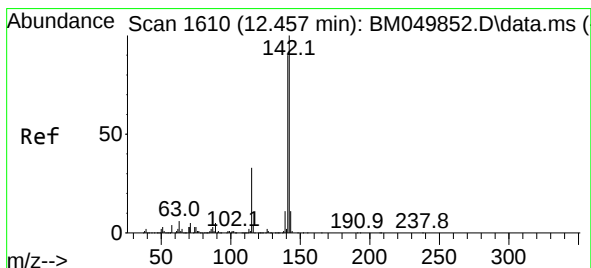
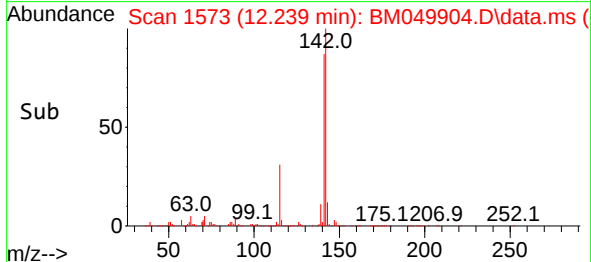
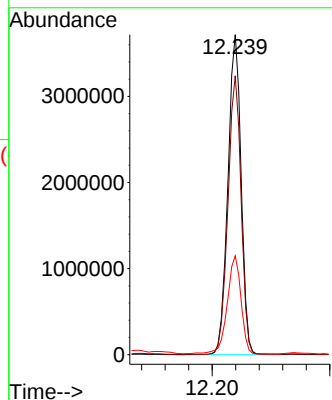
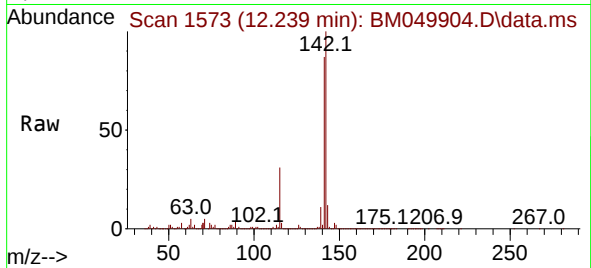




#37
2-Methylnaphthalene
Concen: 141.674 ng
RT: 12.239 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BM049904.D
Acq: 11 Apr 2025 16:55

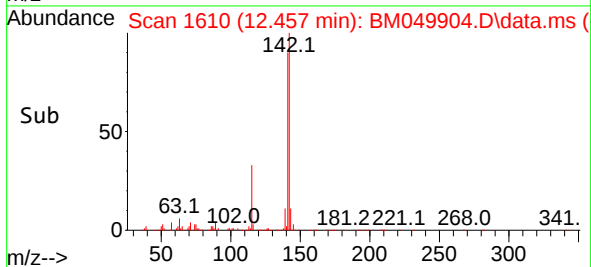
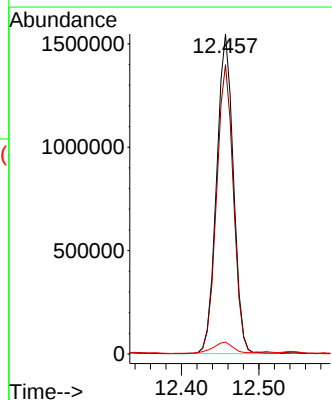
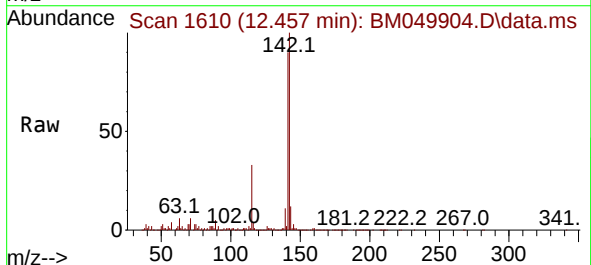
Instrument :
BNA_M
ClientSampleId :
TP-15

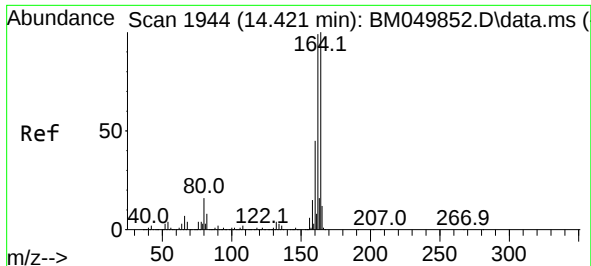
Tgt Ion:142 Resp: 5768495
Ion Ratio Lower Upper
142 100
141 87.2 70.2 105.2
115 30.9 25.4 38.2



#38
1-Methylnaphthalene
Concen: 58.784 ng
RT: 12.457 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BM049904.D
Acq: 11 Apr 2025 16:55

Tgt Ion:142 Resp: 2331833
Ion Ratio Lower Upper
142 100
141 90.4 72.2 108.2
116 3.7 2.9 4.3

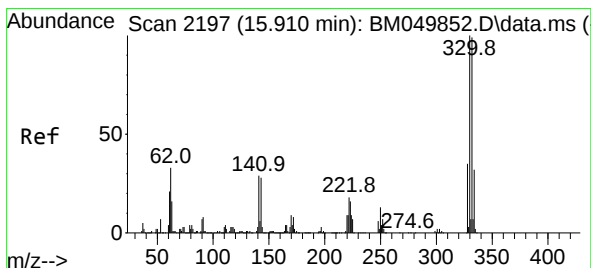
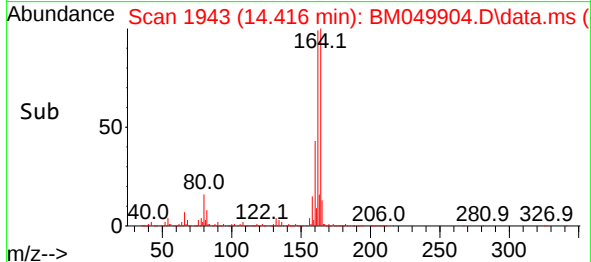
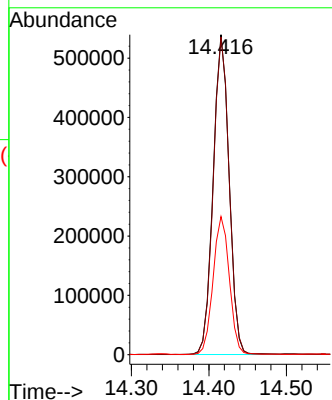
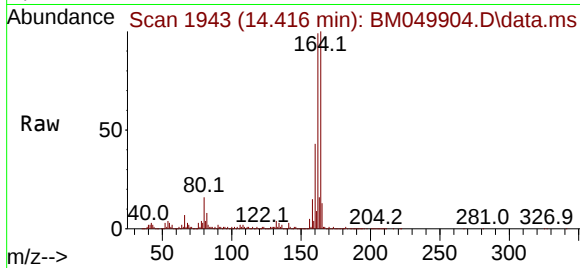




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM049904.D
Acq: 11 Apr 2025 16:55

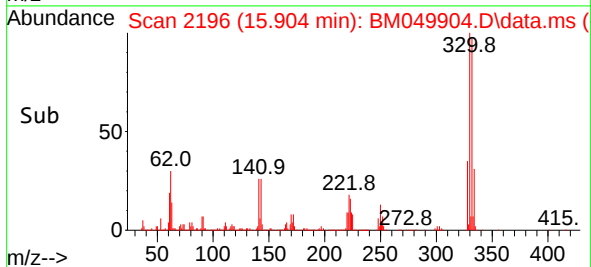
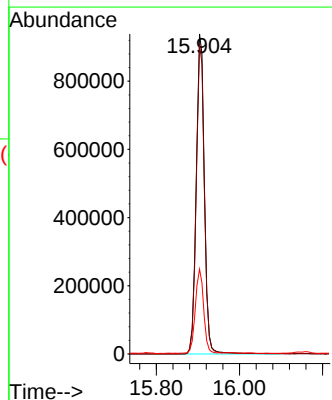
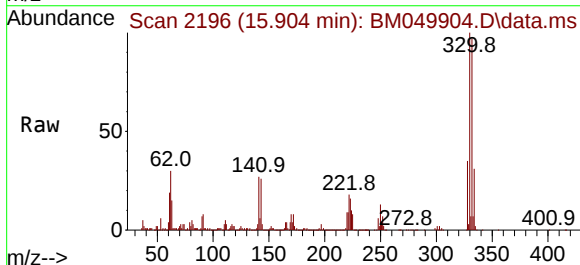
Instrument :
BNA_M
ClientSampleId :
TP-15

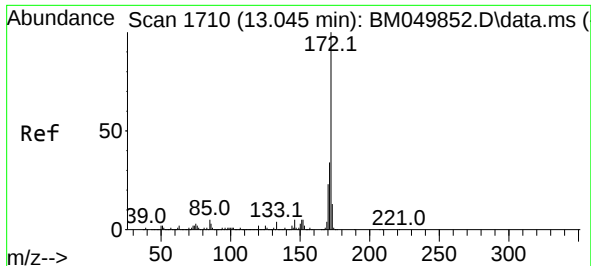
Tgt Ion:164 Resp: 772812
Ion Ratio Lower Upper
164 100
162 99.3 79.4 119.0
160 43.2 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 113.747 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM049904.D
Acq: 11 Apr 2025 16:55

Tgt Ion:330 Resp: 1278611
Ion Ratio Lower Upper
330 100
332 96.5 78.0 117.0
141 26.7 23.5 35.3

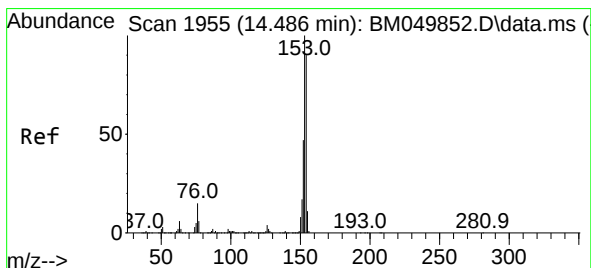
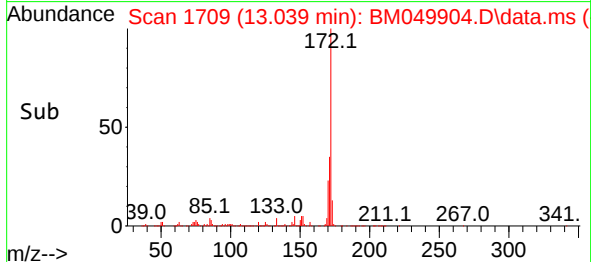
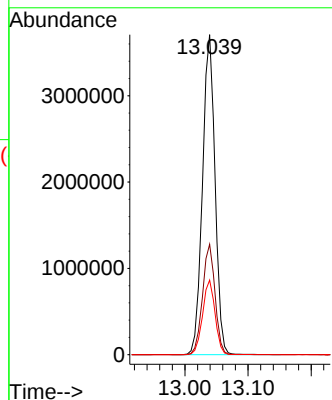
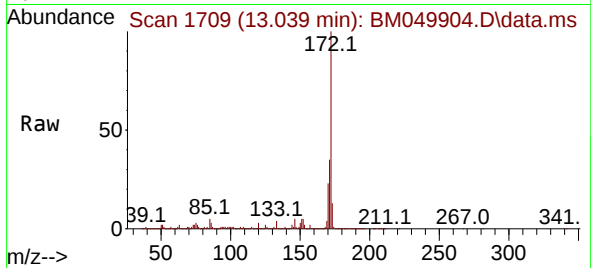




#45
2-Fluorobiphenyl
Concen: 89.933 ng
RT: 13.039 min Scan# 1710
Delta R.T. -0.006 min
Lab File: BM049904.D
Acq: 11 Apr 2025 16:55

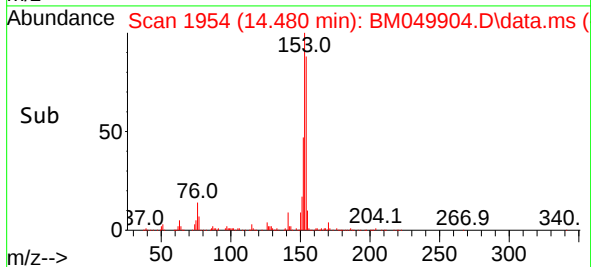
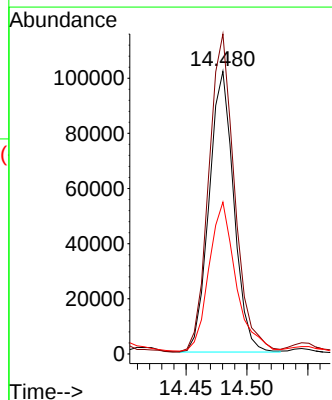
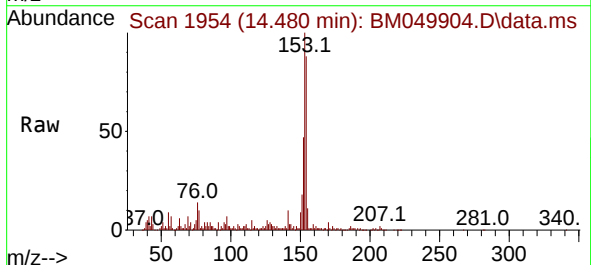
Instrument :
BNA_M
ClientSampleId :
TP-15

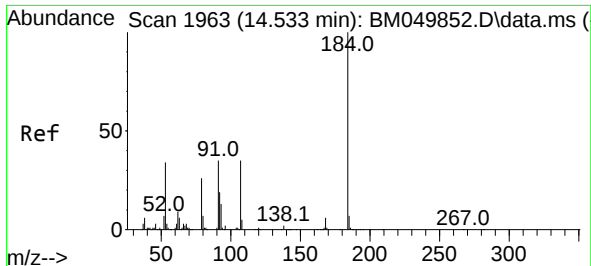
Tgt Ion:172 Resp: 5125402
Ion Ratio Lower Upper
172 100
171 34.5 27.4 41.2
170 23.3 18.6 28.0



#52
Acenaphthene
Concen: 3.436 ng
RT: 14.480 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BM049904.D
Acq: 11 Apr 2025 16:55

Tgt Ion:154 Resp: 143767
Ion Ratio Lower Upper
154 100
153 113.2 89.3 133.9
152 53.7 42.2 63.2

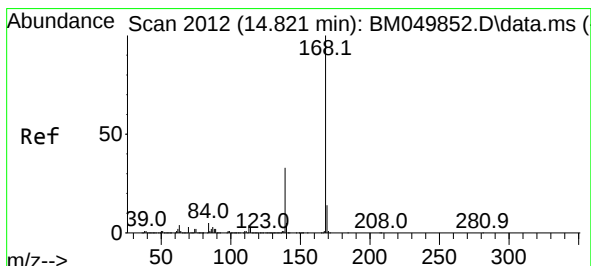
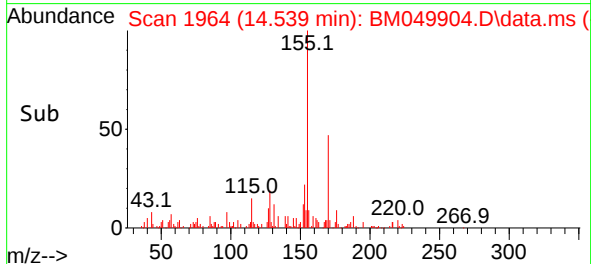
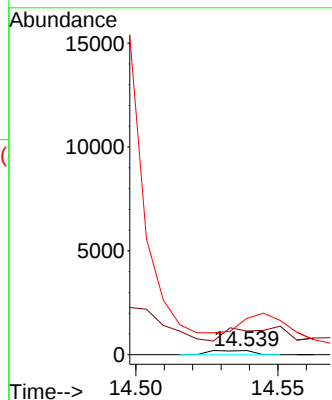
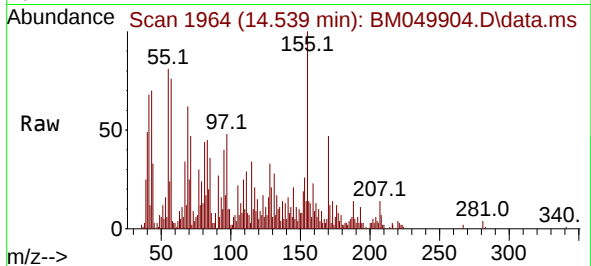




#54
2,4-Dinitrophenol
Concen: 7.247 ng
RT: 14.539 min Scan# 1963
Delta R.T. 0.006 min
Lab File: BM049904.D
Acq: 11 Apr 2025 16:55

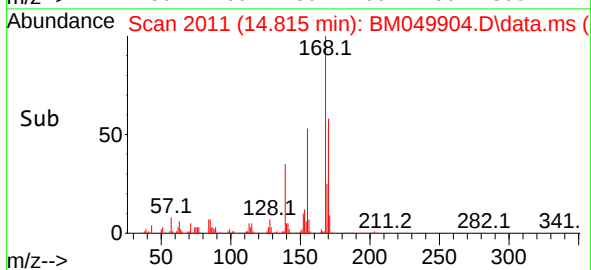
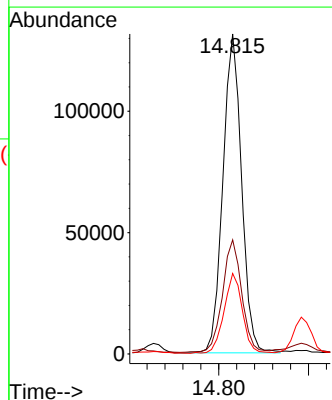
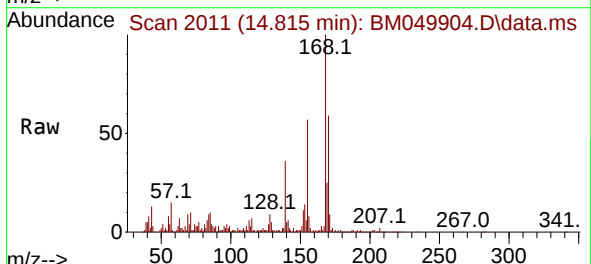
Instrument :
BNA_M
ClientSampleId :
TP-15

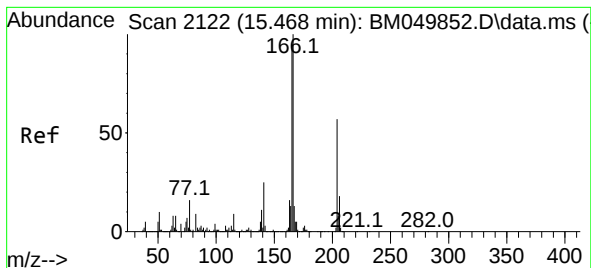
Tgt Ion:184 Resp: 202
Ion Ratio Lower Upper
184 100
63 571.5 38.4 57.6#
154 873.5 48.1 72.1#



#55
Dibenzofuran
Concen: 2.714 ng
RT: 14.815 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BM049904.D
Acq: 11 Apr 2025 16:55

Tgt Ion:168 Resp: 189789
Ion Ratio Lower Upper
168 100
139 35.6 26.6 39.8
169 25.2 11.0 16.4#





#58

Fluorene

Concen: 2.296 ng

RT: 15.463 min Scan# 2121

Delta R.T. -0.006 min

Lab File: BM049904.D

Acq: 11 Apr 2025 16:55

Instrument :

BNA_M

ClientSampleId :

TP-15

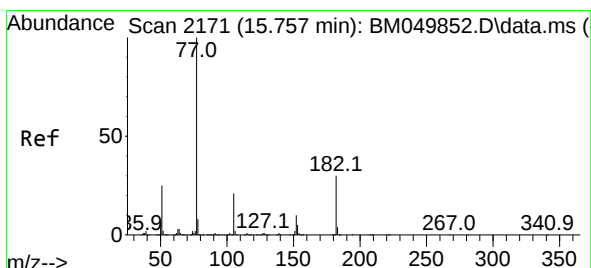
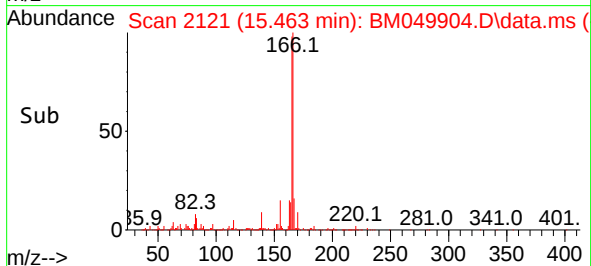
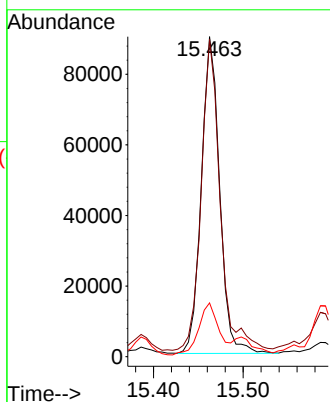
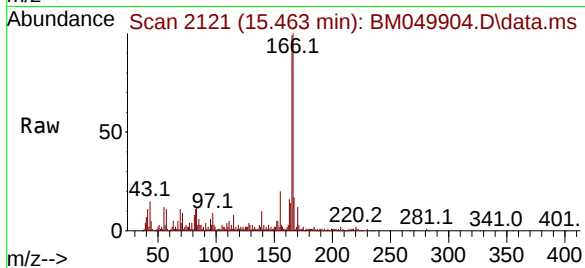
Tgt Ion:166 Resp: 127615

Ion Ratio Lower Upper

166 100

165 99.2 76.3 114.5

167 16.8 10.7 16.1#



#63

Azobenzene

Concen: 8.638 ng

RT: 15.774 min Scan# 2174

Delta R.T. 0.018 min

Lab File: BM049904.D

Acq: 11 Apr 2025 16:55

Tgt Ion: 77 Resp: 386684

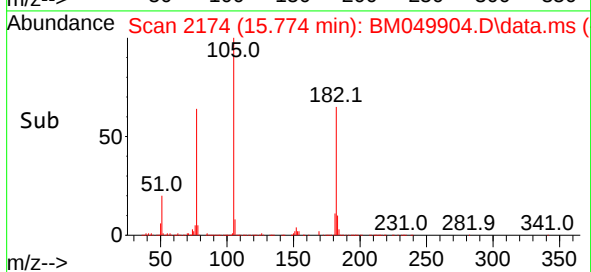
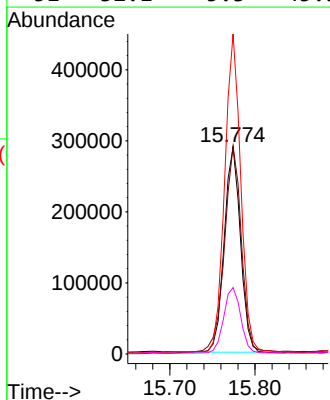
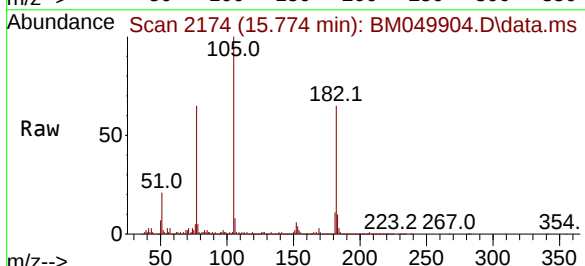
Ion Ratio Lower Upper

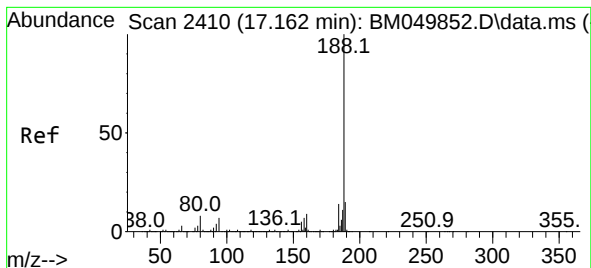
77 100

182 100.4 10.4 50.4#

105 154.7 1.5 41.5#

51 32.1 5.3 45.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 2410

Delta R.T. -0.006 min

Lab File: BM049904.D

Acq: 11 Apr 2025 16:55

Instrument :

BNA_M

ClientSampleId :

TP-15

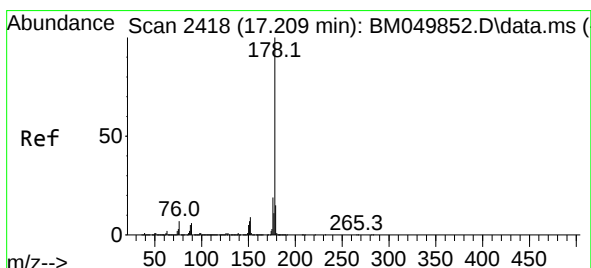
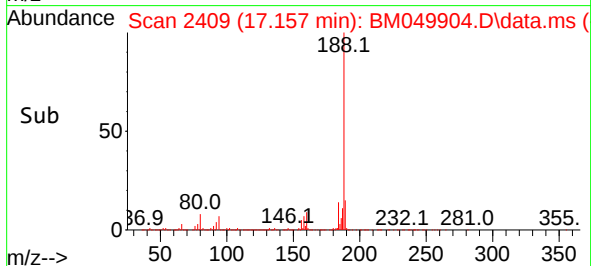
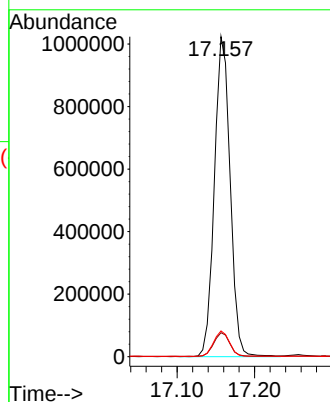
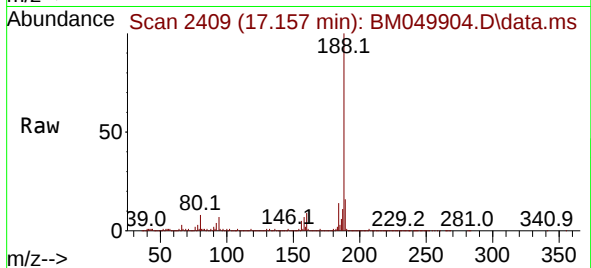
Tgt Ion:188 Resp: 1443699

Ion Ratio Lower Upper

188 100

94 7.5 5.8 8.6

80 8.1 6.4 9.6



#71

Phenanthrene

Concen: 4.384 ng

RT: 17.198 min Scan# 2416

Delta R.T. -0.012 min

Lab File: BM049904.D

Acq: 11 Apr 2025 16:55

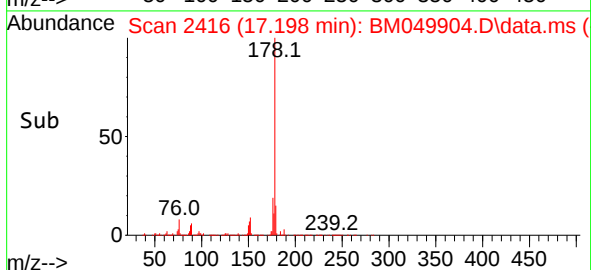
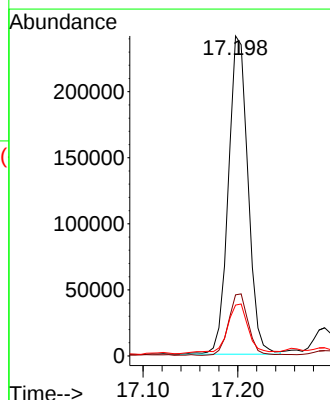
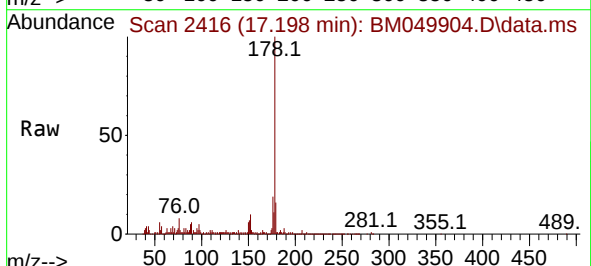
Tgt Ion:178 Resp: 346983

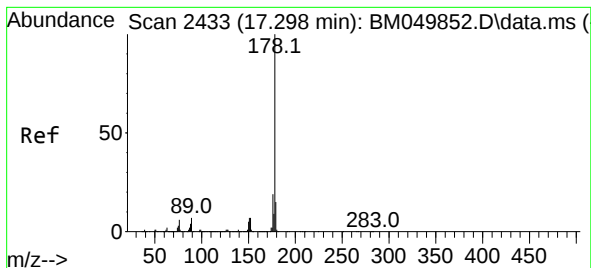
Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.9 12.3 18.5





#72

Anthracene

Concen: 4.448 ng

RT: 17.198 min Scan# 24

Delta R.T. -0.100 min

Lab File: BM049904.D

Acq: 11 Apr 2025 16:55

Instrument :

BNA_M

ClientSampleId :

TP-15

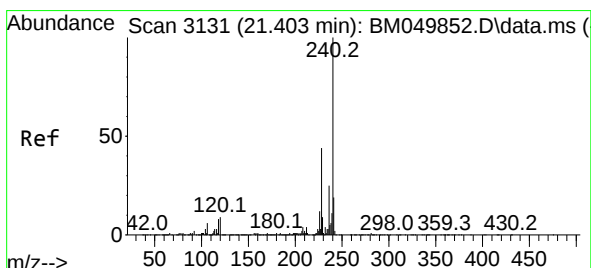
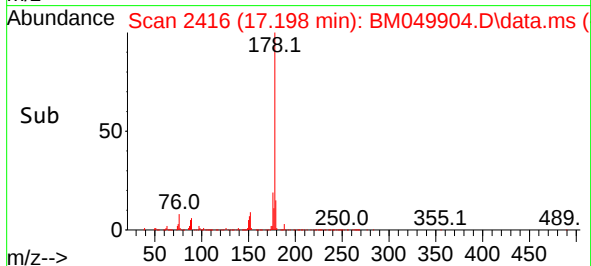
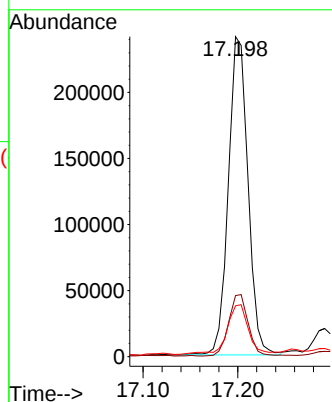
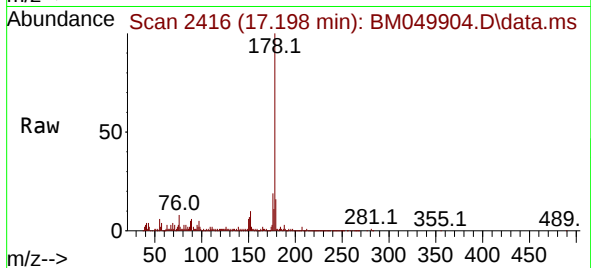
Tgt Ion:178 Resp: 346983

Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

179 15.9 12.4 18.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.397 min Scan# 3130

Delta R.T. -0.006 min

Lab File: BM049904.D

Acq: 11 Apr 2025 16:55

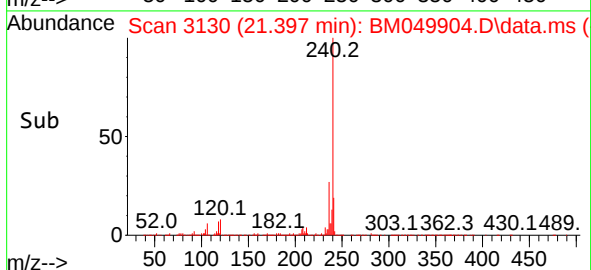
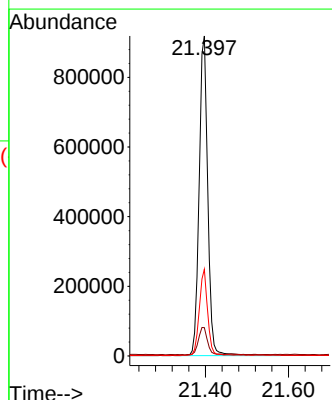
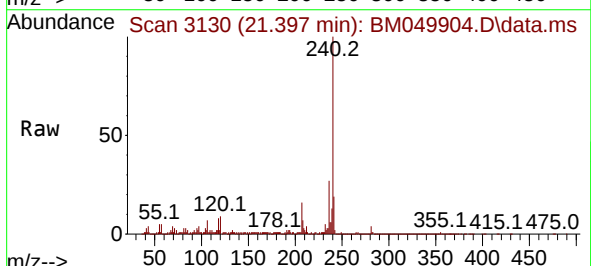
Tgt Ion:240 Resp: 1321801

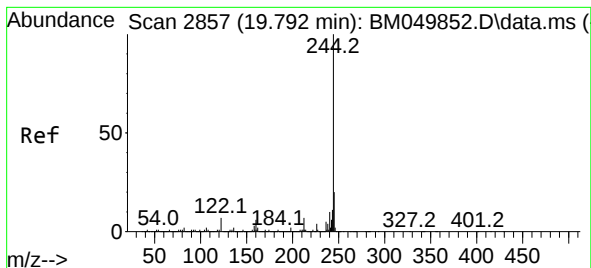
Ion Ratio Lower Upper

240 100

120 8.8 6.9 10.3

236 27.1 20.4 30.6





#79

Terphenyl-d14

Concen: 107.031 ng

RT: 19.786 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049904.D

Acq: 11 Apr 2025 16:55

Instrument :

BNA_M

ClientSampleId :

TP-15

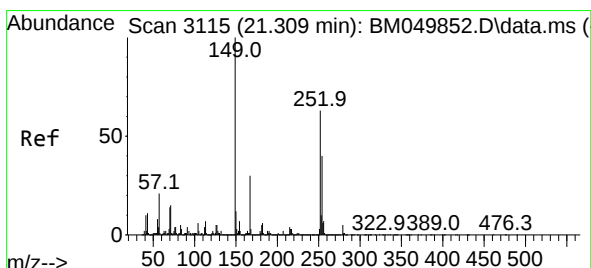
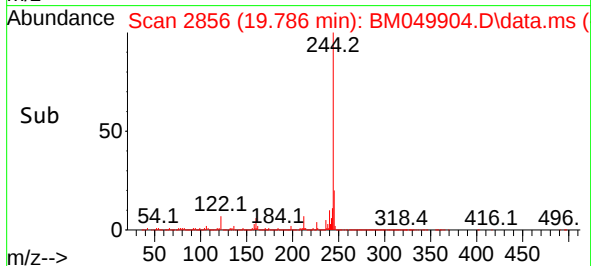
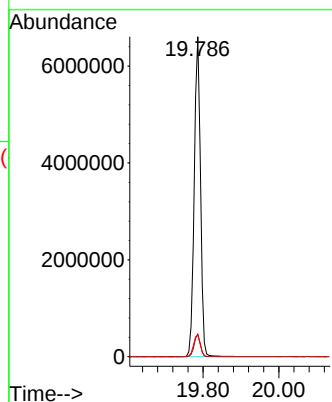
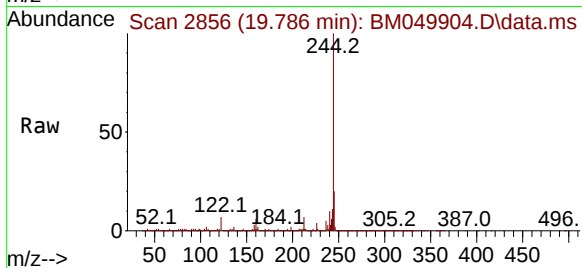
Tgt Ion:244 Resp: 7549110

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

122 6.8 5.4 8.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.847 ng

RT: 21.303 min Scan# 3114

Delta R.T. -0.006 min

Lab File: BM049904.D

Acq: 11 Apr 2025 16:55

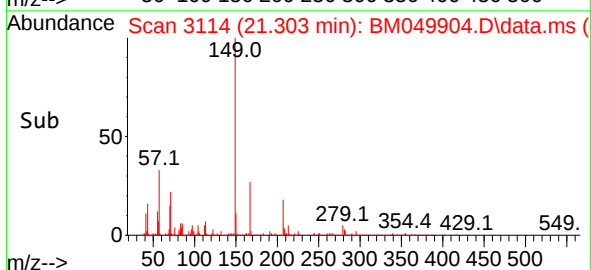
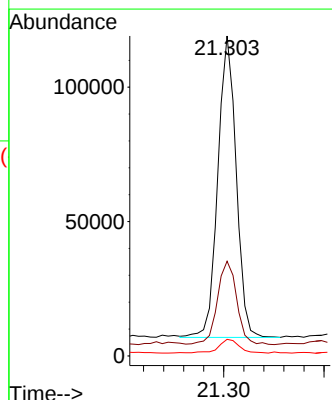
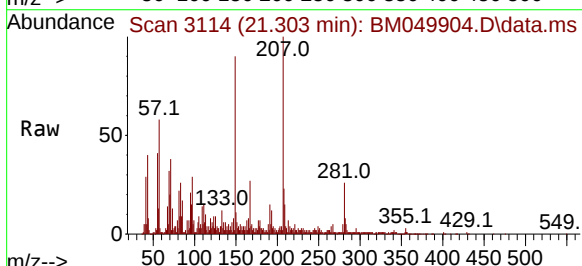
Tgt Ion:149 Resp: 141968

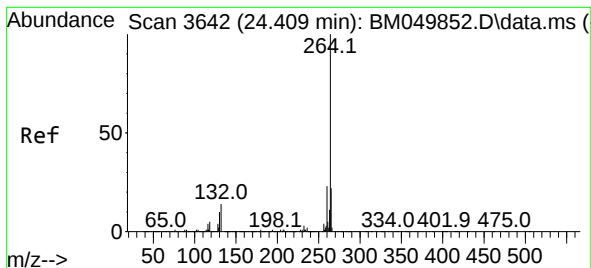
Ion Ratio Lower Upper

149 100

167 29.6 23.8 35.6

279 5.2 3.8 5.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.391 min Scan# 30

Delta R.T. -0.018 min

Lab File: BM049904.D

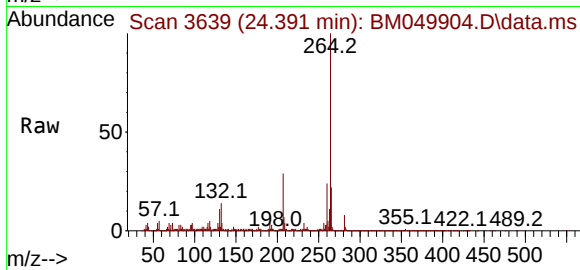
Acq: 11 Apr 2025 16:55

Instrument :

BNA_M

ClientSampleId :

TP-15



Tgt Ion:264 Resp: 1443556

Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 22.4 17.8 26.8

