

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
 Data File : BM049863.D
 Acq On : 09 Apr 2025 11:50
 Operator : RC/JU
 Sample : Q1740-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-20

Quant Time: Apr 09 12:26:20 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)

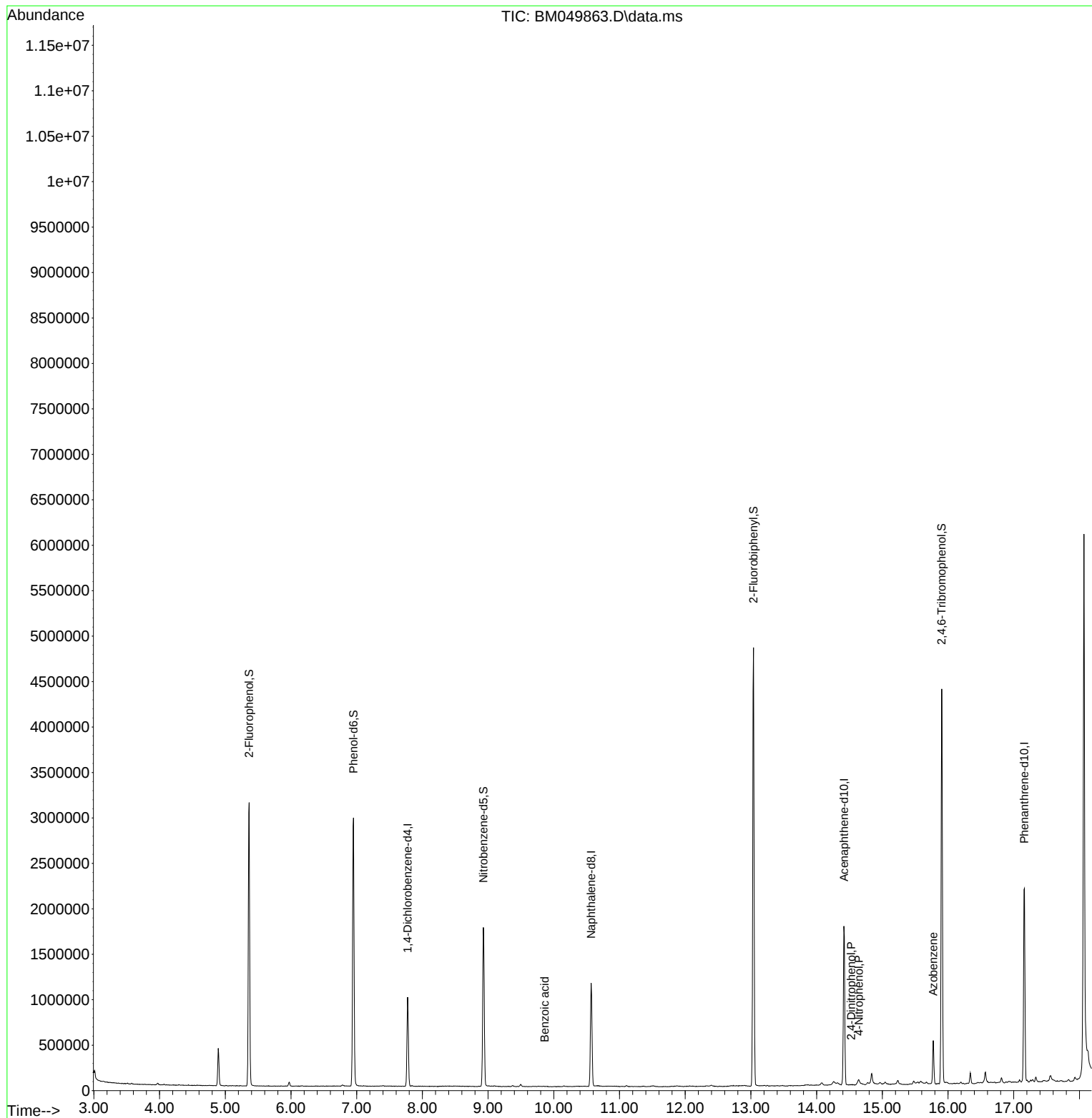
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	278919	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	958558	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	636618	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1324500	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1364425	20.000	ng	0.00
86) Perylene-d12	24.392	264	1455314	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	1396077	84.994	ng	0.00
7) Phenol-d6	6.952	99	1729088	84.608	ng	0.00
23) Nitrobenzene-d5	8.928	82	1006910	58.494	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	840894	90.811	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	2522890	53.738	ng	0.00
79) Terphenyl-d14	19.786	244	4283343	58.832	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.863	122	1171	8.616	ng	# 72
54) 2,4-Dinitrophenol	14.528	184	1360	7.406	ng	# 81
56) 4-Nitrophenol	14.645	139	20670	2.550	ng	87
63) Azobenzene	15.774	77	120565	3.270	ng	# 1
81) Benzo(a)anthracene	21.380	228	234031	2.581	ng	99
83) Chrysene	21.439	228	430942	4.999	ng	100
84) Bis(2-ethylhexyl)phtha...	21.304	149	127983	2.486	ng	96
88) Benzo(b)fluoranthene	23.445	252	405921	4.367	ng	99
89) Benzo(k)fluoranthene	23.509	252	403245	4.477	ng	99

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

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TP-20

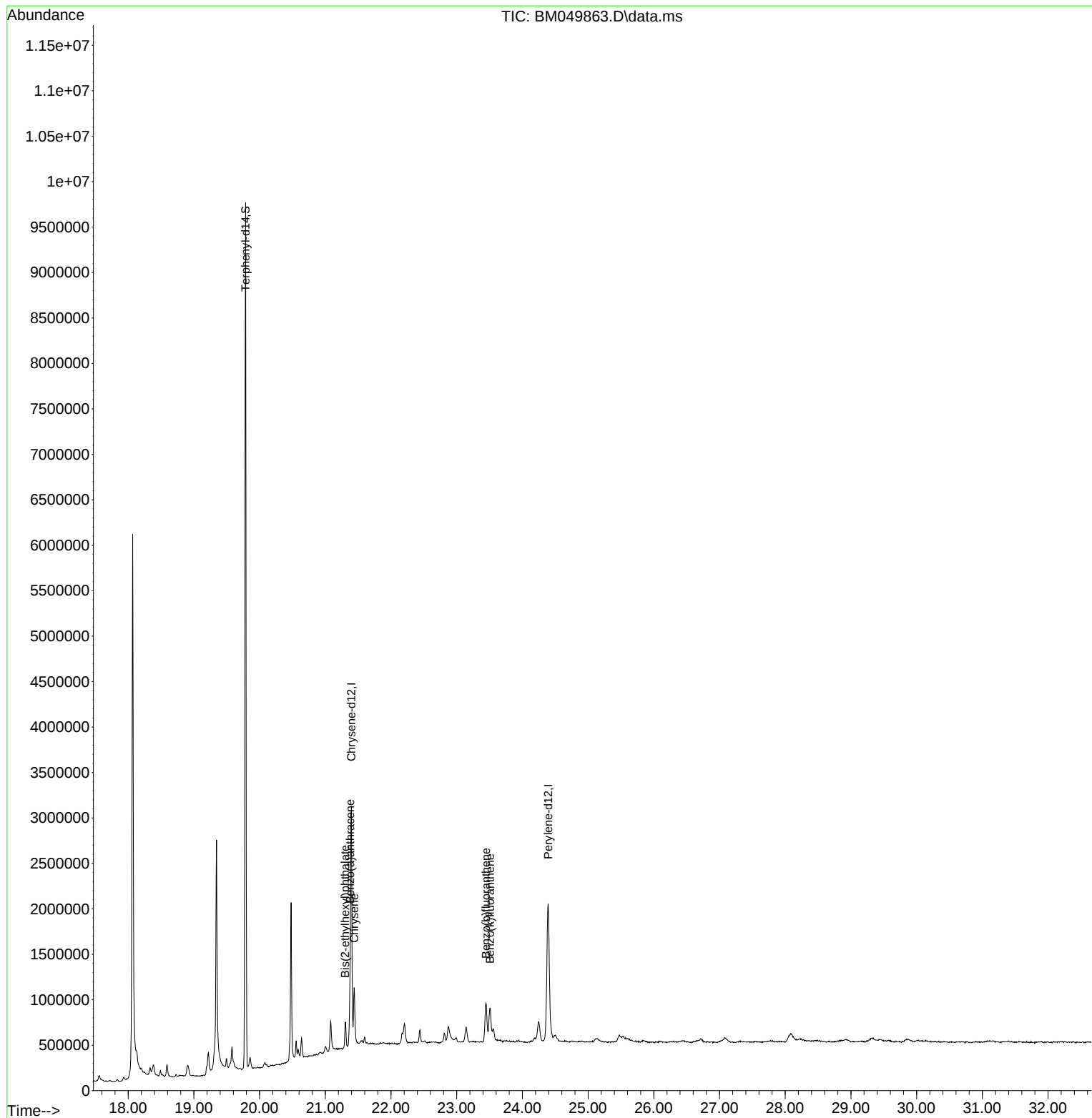
Quant Time: Apr 09 12:26:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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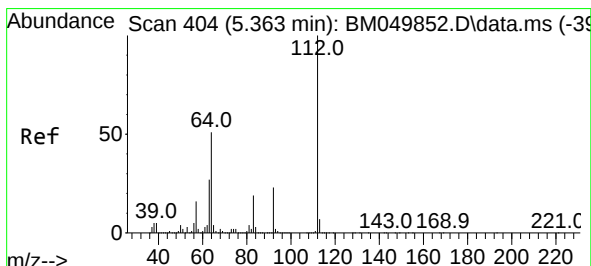
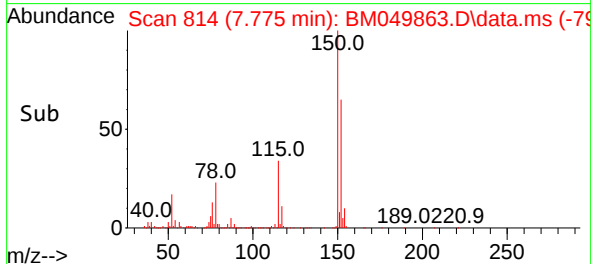
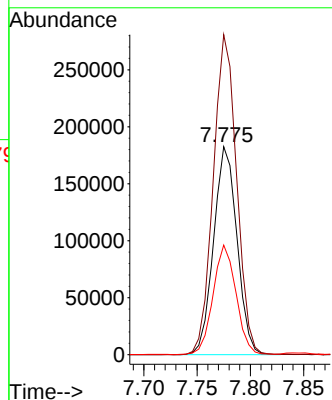
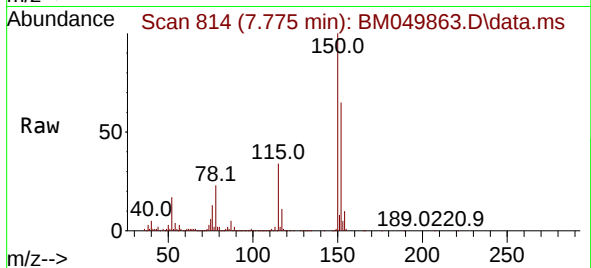




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 815
Delta R.T. -0.006 min
Lab File: BM049863.D
Acq: 09 Apr 2025 11:50

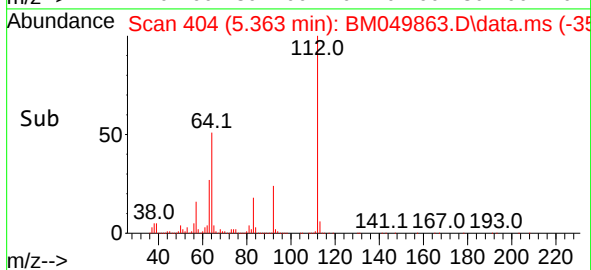
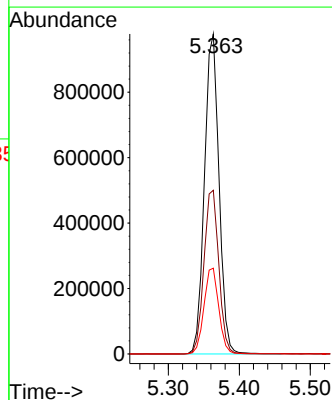
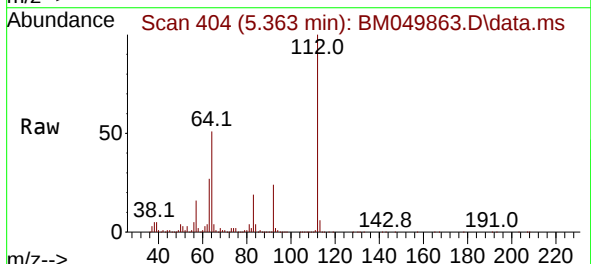
Instrument :
BNA_M
ClientSampleId :
TP-20

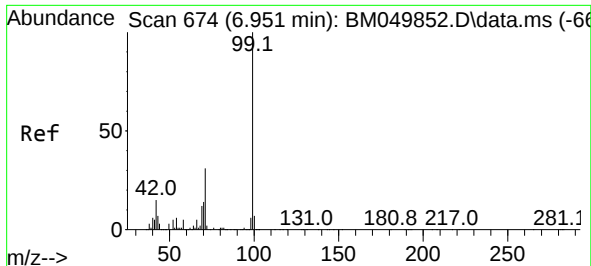
Tgt Ion:152 Resp: 278919
Ion Ratio Lower Upper
152 100
150 153.8 124.3 186.5
115 52.6 41.1 61.7



#5
2-Fluorophenol
Concen: 84.994 ng
RT: 5.363 min Scan# 404
Delta R.T. 0.000 min
Lab File: BM049863.D
Acq: 09 Apr 2025 11:50

Tgt Ion:112 Resp: 1396077
Ion Ratio Lower Upper
112 100
64 51.1 41.0 61.6
63 26.8 21.5 32.3

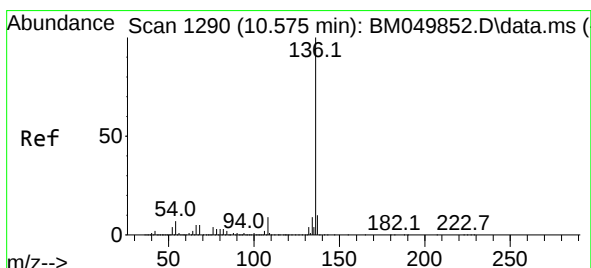
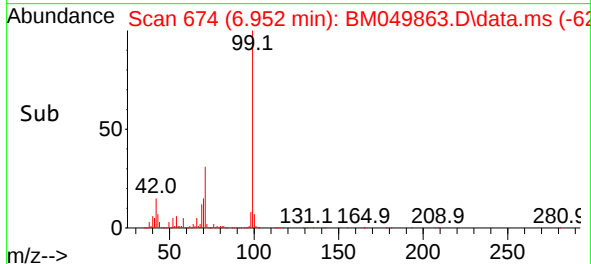
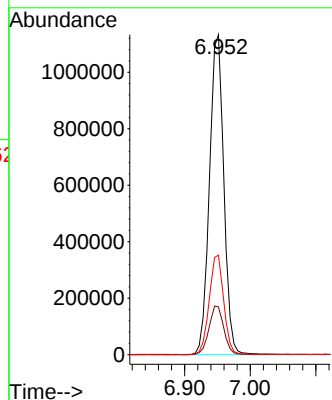
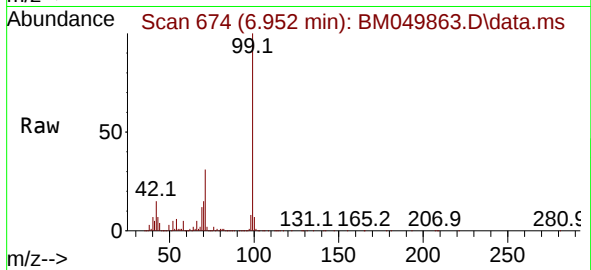




#7
Phenol-d6
Concen: 84.608 ng
RT: 6.952 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049863.D
Acq: 09 Apr 2025 11:50

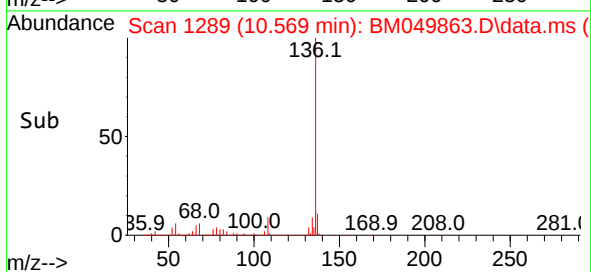
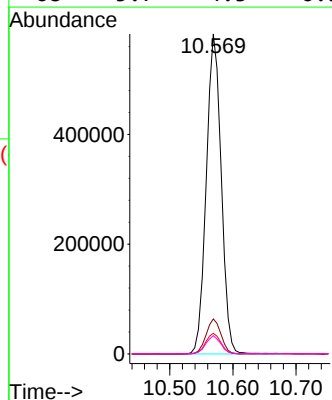
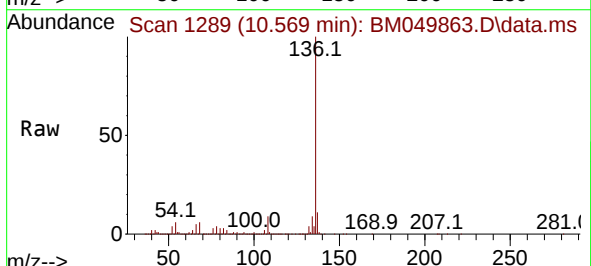
Instrument :
BNA_M
ClientSampleId :
TP-20

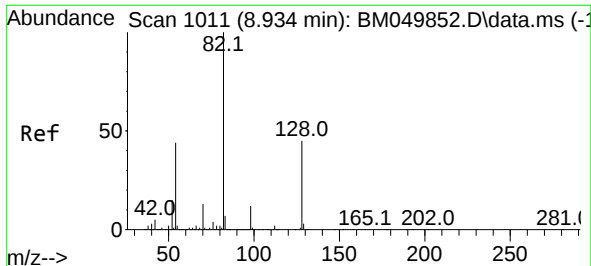
Tgt Ion: 99 Resp: 1729088
Ion Ratio Lower Upper
99 100
42 14.9 12.1 18.1
71 31.1 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BM049863.D
Acq: 09 Apr 2025 11:50

Tgt Ion: 136 Resp: 958558
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 6.5 5.3 7.9
68 5.7 4.3 6.5

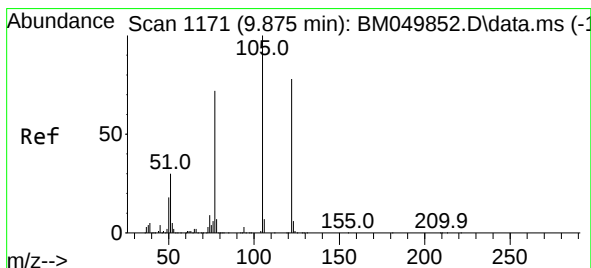
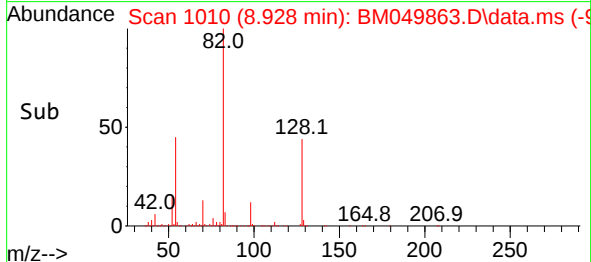
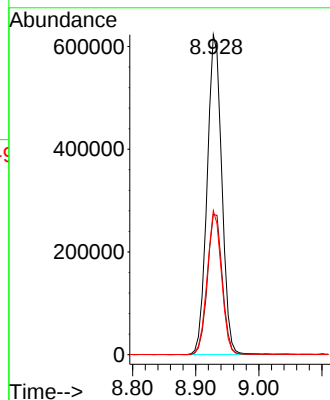
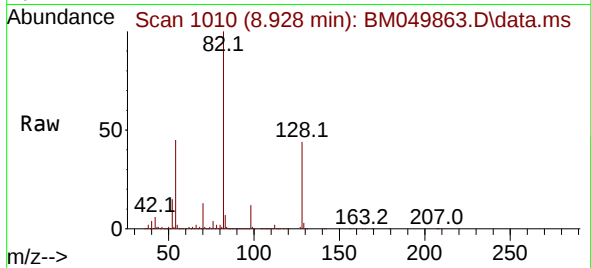




#23
Nitrobenzene-d5
Concen: 58.494 ng
RT: 8.928 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BM049863.D
Acq: 09 Apr 2025 11:50

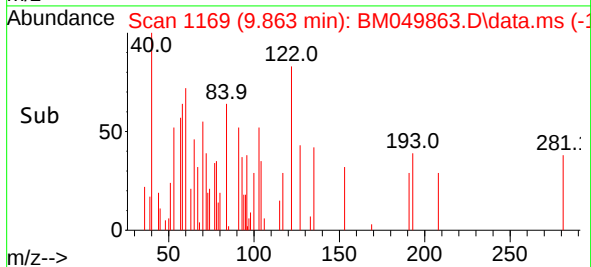
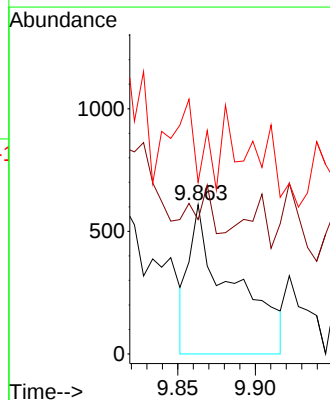
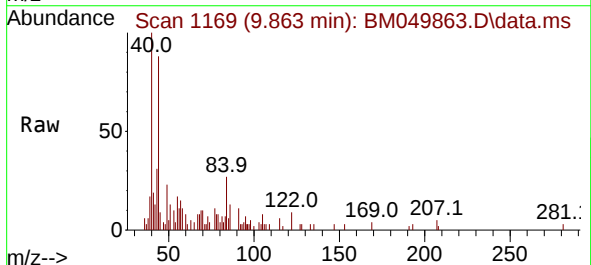
Instrument :
BNA_M
ClientSampleId :
TP-20

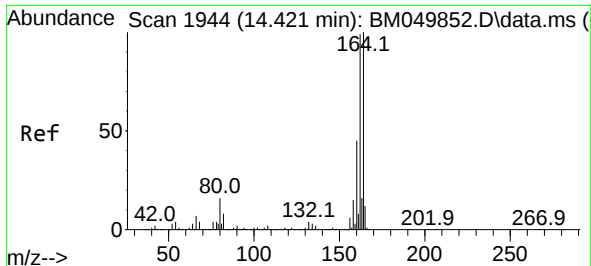
Tgt Ion: 82 Resp: 1006910
Ion Ratio Lower Upper
82 100
128 43.8 36.2 54.2
54 45.0 35.0 52.6



#32
Benzoic acid
Concen: 8.616 ng
RT: 9.863 min Scan# 1169
Delta R.T. -0.012 min
Lab File: BM049863.D
Acq: 09 Apr 2025 11:50

Tgt Ion:122 Resp: 1171
Ion Ratio Lower Upper
122 100
105 90.0 103.8 143.8#
77 114.9 70.7 110.7#

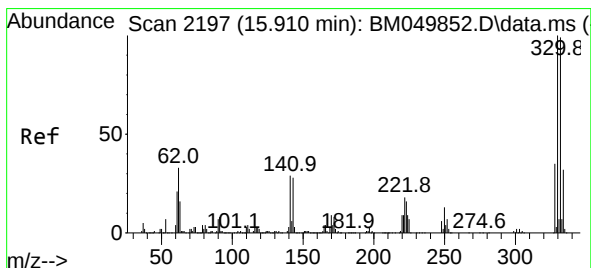
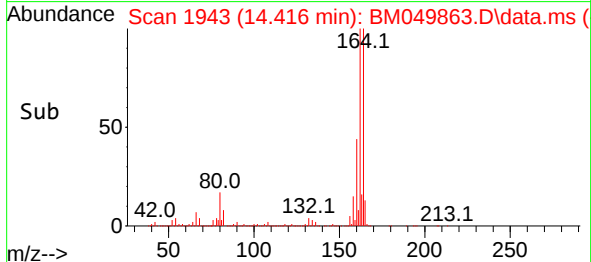
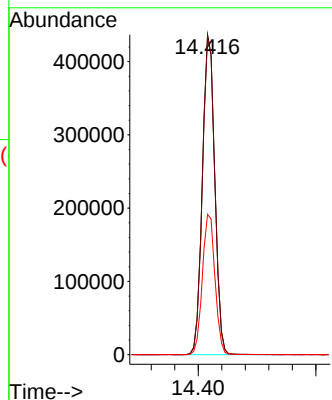
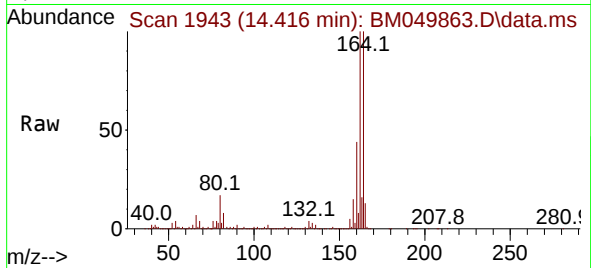




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM049863.D
Acq: 09 Apr 2025 11:50

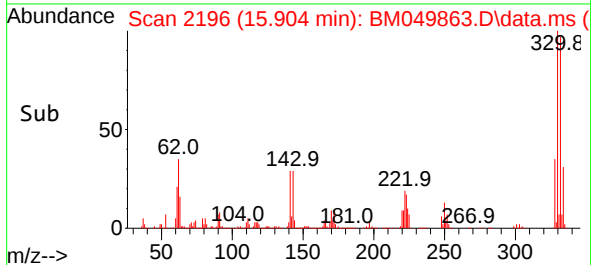
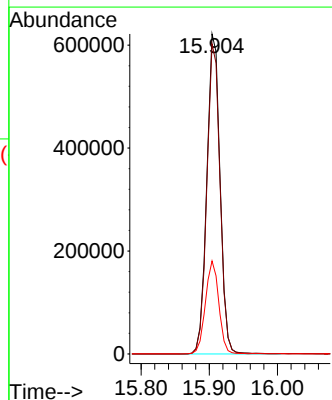
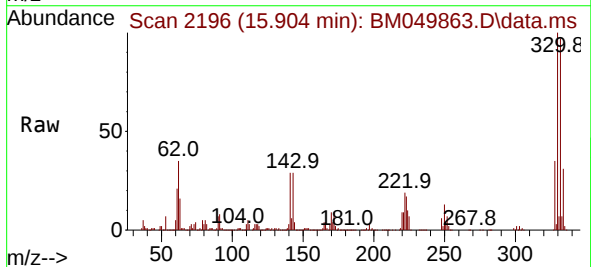
Instrument :
BNA_M
ClientSampleId :
TP-20

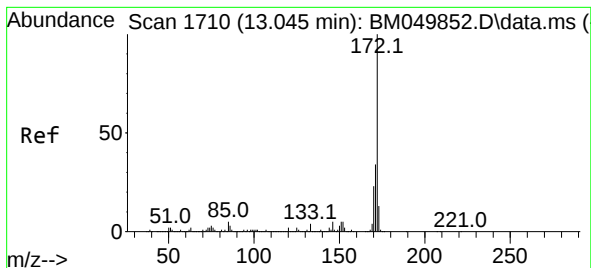
Tgt Ion:164 Resp: 636618
Ion Ratio Lower Upper
164 100
162 99.7 79.4 119.0
160 43.9 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 90.811 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM049863.D
Acq: 09 Apr 2025 11:50

Tgt Ion:330 Resp: 840894
Ion Ratio Lower Upper
330 100
332 96.6 78.0 117.0
141 29.4 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 53.738 ng

RT: 13.039 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM049863.D

Acq: 09 Apr 2025 11:50

Instrument :

BNA_M

ClientSampleId :

TP-20

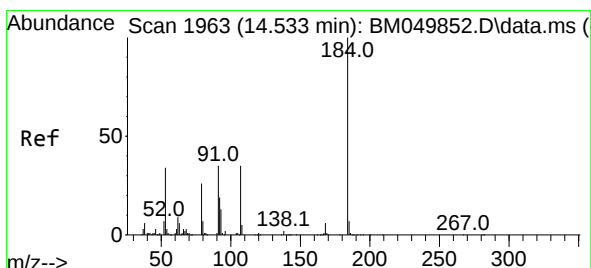
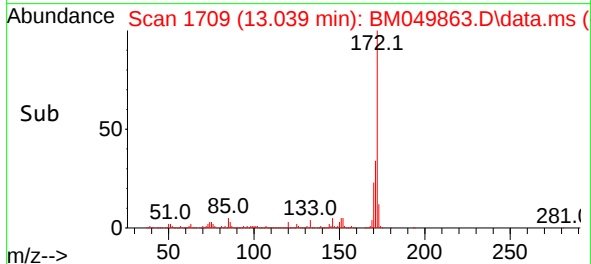
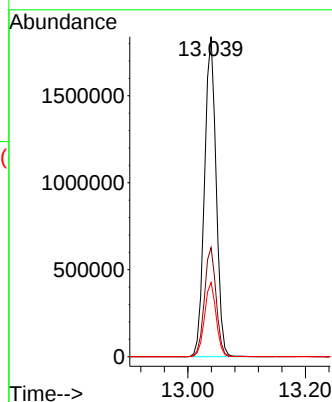
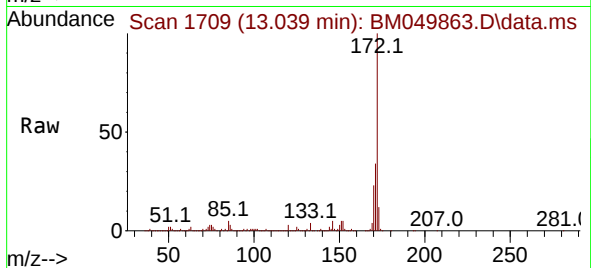
Tgt Ion:172 Resp: 2522890

Ion Ratio Lower Upper

172 100

171 34.1 27.4 41.2

170 23.2 18.6 28.0



#54

2,4-Dinitrophenol

Concen: 7.406 ng

RT: 14.528 min Scan# 1962

Delta R.T. -0.005 min

Lab File: BM049863.D

Acq: 09 Apr 2025 11:50

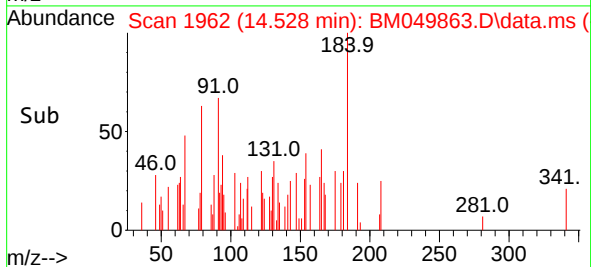
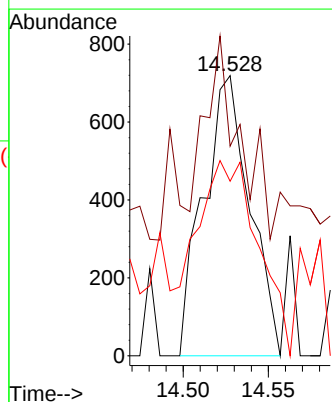
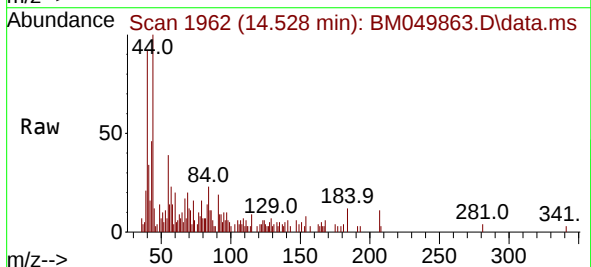
Tgt Ion:184 Resp: 1360

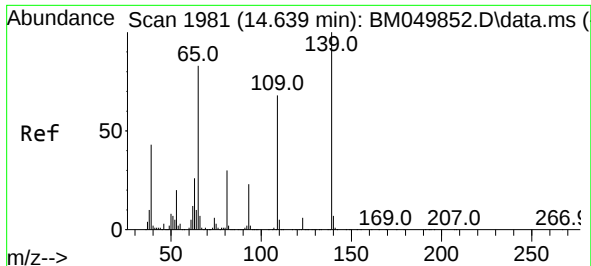
Ion Ratio Lower Upper

184 100

63 74.8 38.4 57.6#

154 62.3 48.1 72.1

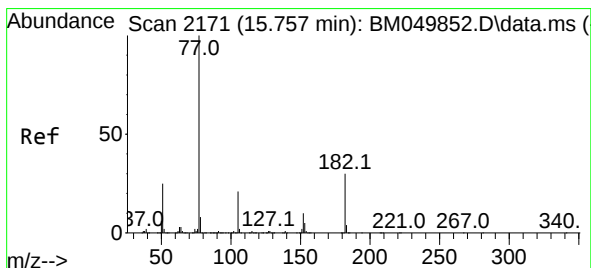
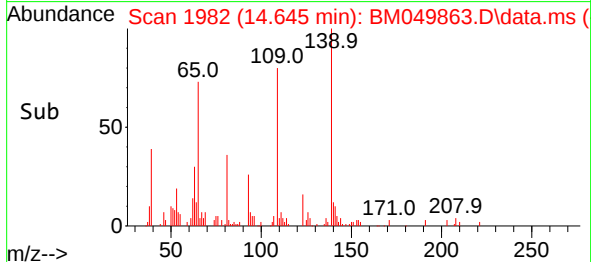
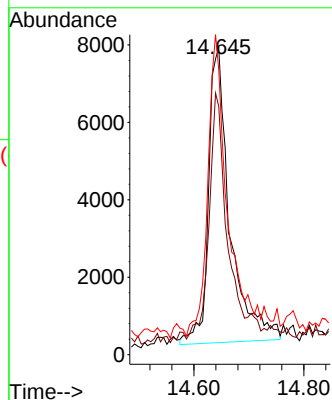
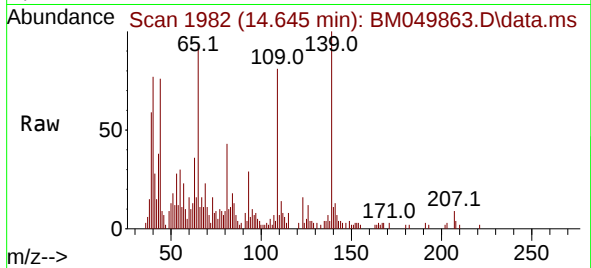




#56
4-Nitrophenol
Concen: 2.550 ng
RT: 14.645 min Scan# 1981
Delta R.T. 0.006 min
Lab File: BM049863.D
Acq: 09 Apr 2025 11:50

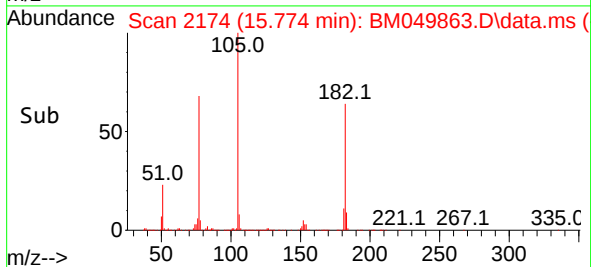
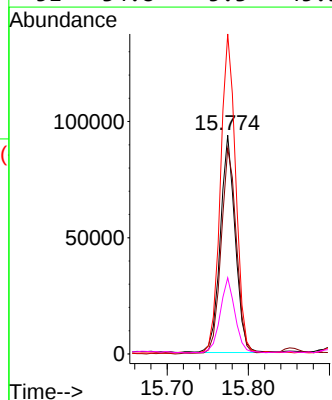
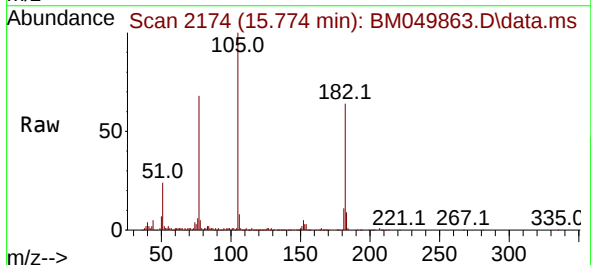
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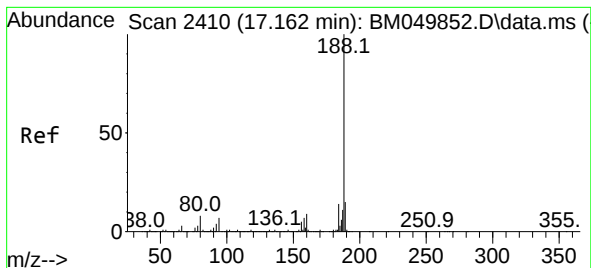
Tgt Ion:	139	Resp:	20670
Ion	Ratio	Lower	Upper
139	100		
109	80.8	47.9	87.9
65	92.7	62.7	102.7



#63
Azobenzene
Concen: 3.270 ng
RT: 15.774 min Scan# 2174
Delta R.T. 0.018 min
Lab File: BM049863.D
Acq: 09 Apr 2025 11:50

Tgt Ion:	77	Resp:	120565
Ion	Ratio	Lower	Upper
77	100		
182	94.0	10.4	50.4#
105	146.3	1.5	41.5#
51	34.8	5.3	45.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.163 min Scan# 2410

Delta R.T. 0.000 min

Lab File: BM049863.D

Acq: 09 Apr 2025 11:50

Instrument :

BNA_M

ClientSampleId :

TP-20

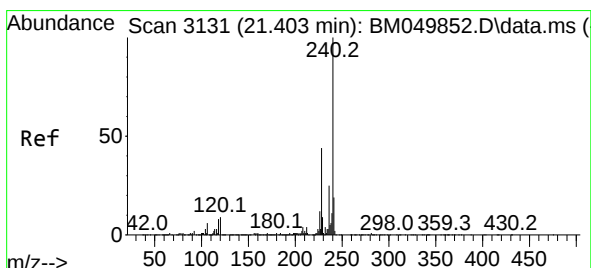
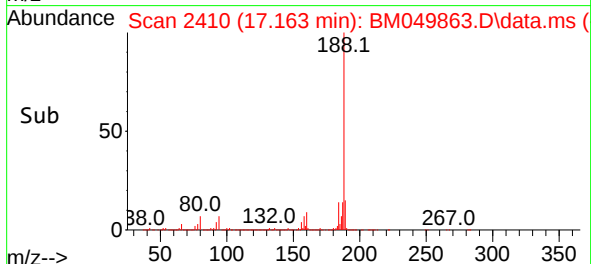
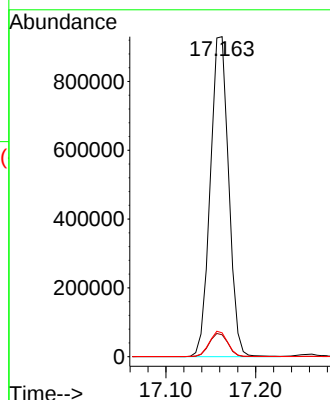
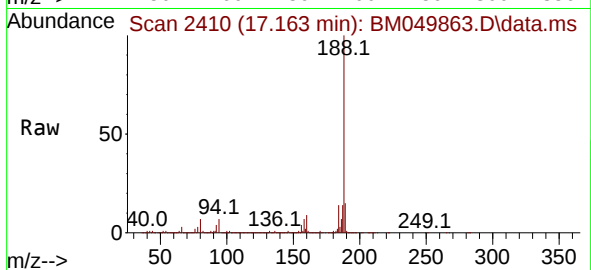
Tgt Ion:188 Resp: 1324500

Ion Ratio Lower Upper

188 100

94 6.8 5.8 8.6

80 7.4 6.4 9.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.398 min Scan# 3130

Delta R.T. -0.006 min

Lab File: BM049863.D

Acq: 09 Apr 2025 11:50

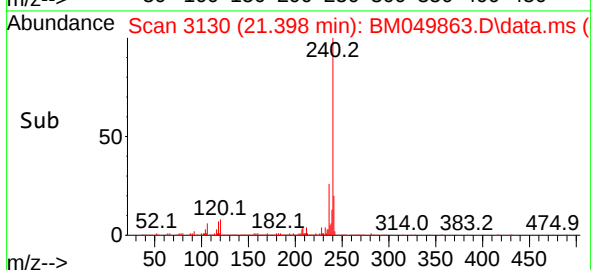
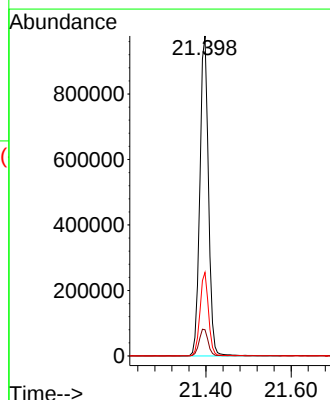
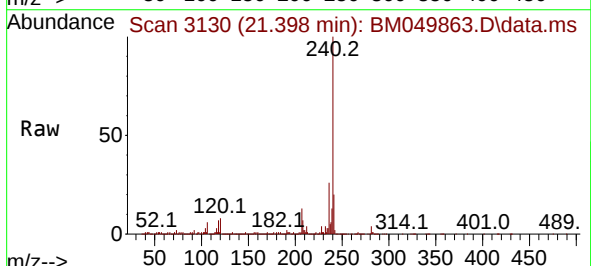
Tgt Ion:240 Resp: 1364425

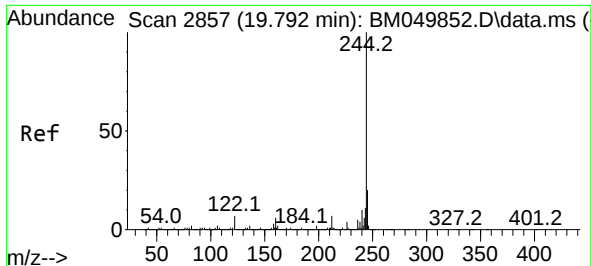
Ion Ratio Lower Upper

240 100

120 8.2 6.9 10.3

236 26.1 20.4 30.6

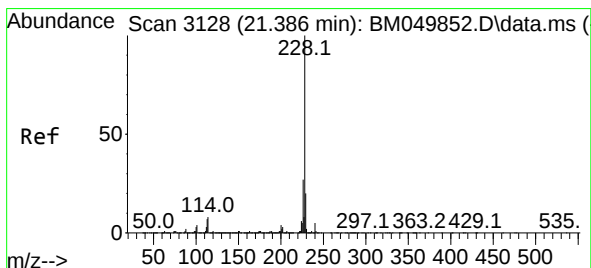
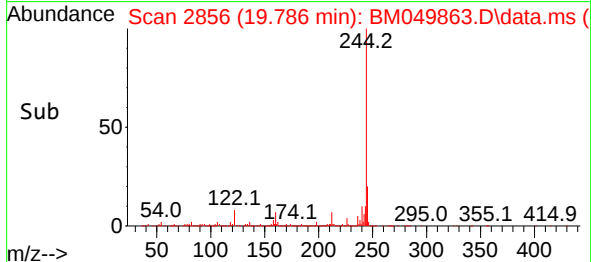
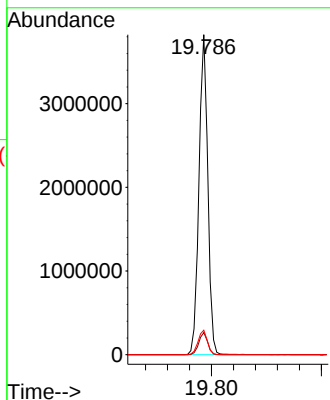
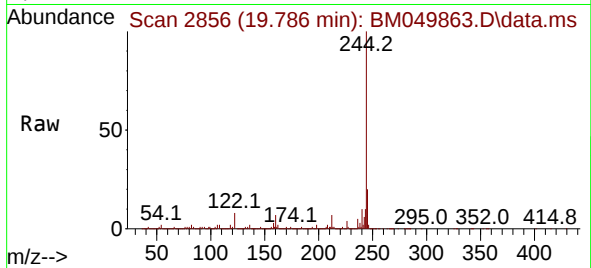




#79
 Terphenyl-d14
 Concen: 58.832 ng
 RT: 19.786 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM049863.D
 Acq: 09 Apr 2025 11:50

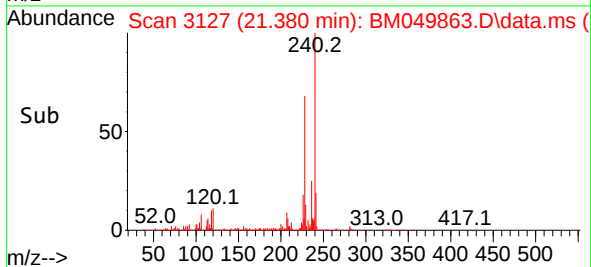
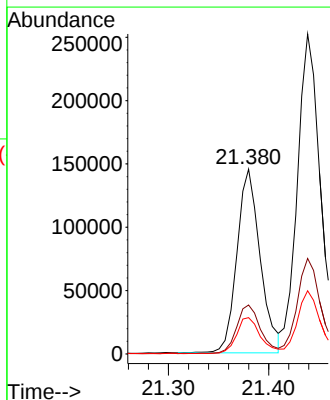
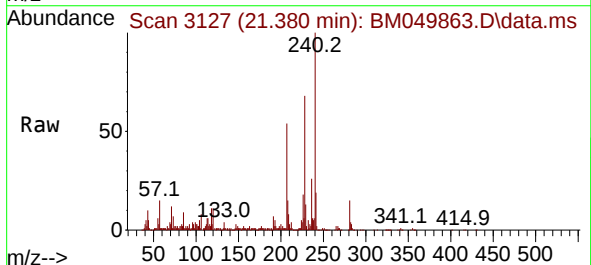
Instrument :
 BNA_M
 ClientSampleId :
 TP-20

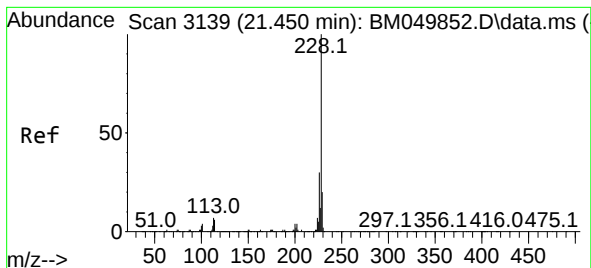
Tgt Ion:244 Resp: 4283343
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 7.7 5.4 8.0



#81
 Benzo(a)anthracene
 Concen: 2.581 ng
 RT: 21.380 min Scan# 3127
 Delta R.T. -0.006 min
 Lab File: BM049863.D
 Acq: 09 Apr 2025 11:50

Tgt Ion:228 Resp: 234031
 Ion Ratio Lower Upper
 228 100
 226 26.5 21.8 32.8
 229 19.6 15.8 23.8





#83

Chrysene

Concen: 4.999 ng

RT: 21.439 min Scan# 3137

Delta R.T. -0.012 min

Lab File: BM049863.D

Acq: 09 Apr 2025 11:50

Instrument :

BNA_M

ClientSampleId :

TP-20

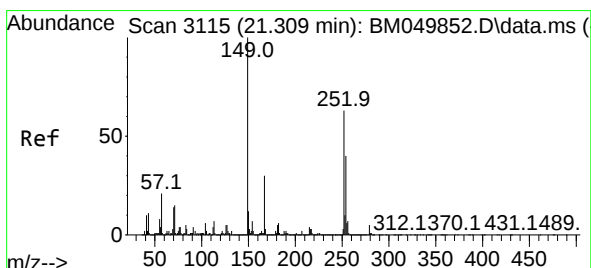
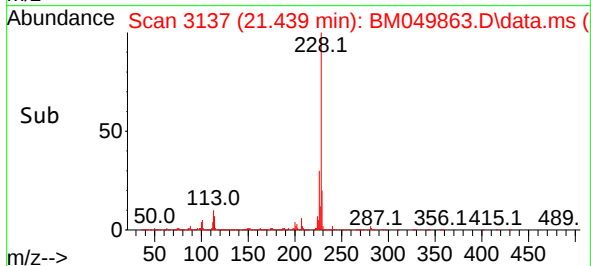
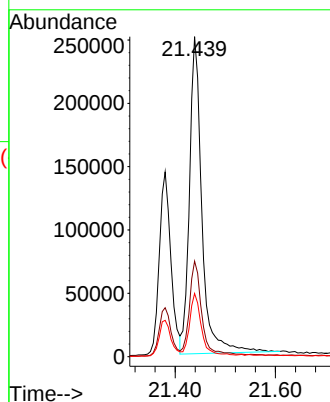
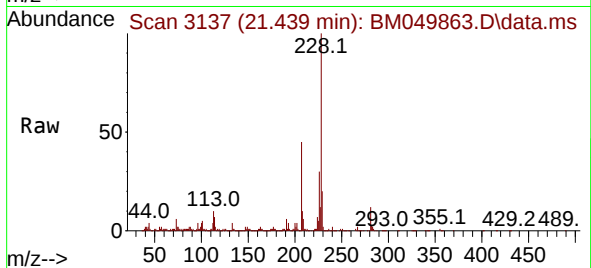
Tgt Ion:228 Resp: 430942

Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

229 19.7 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.486 ng

RT: 21.304 min Scan# 3114

Delta R.T. -0.006 min

Lab File: BM049863.D

Acq: 09 Apr 2025 11:50

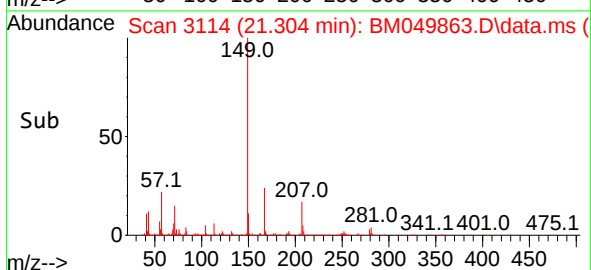
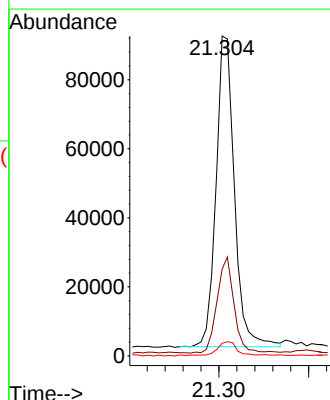
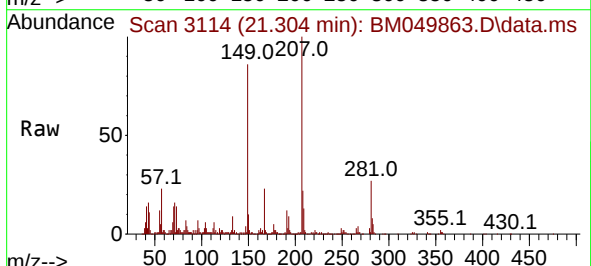
Tgt Ion:149 Resp: 127983

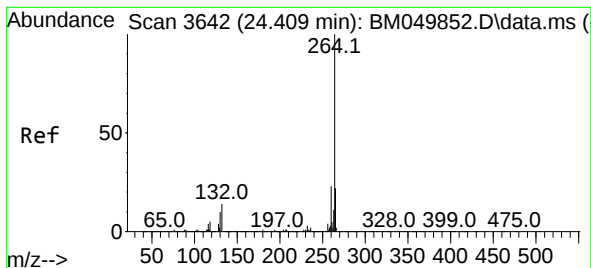
Ion Ratio Lower Upper

149 100

167 27.1 23.8 35.6

279 4.0 3.8 5.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.392 min Scan# 3

Delta R.T. -0.017 min

Lab File: BM049863.D

Acq: 09 Apr 2025 11:50

Instrument :

BNA_M

ClientSampleId :

TP-20

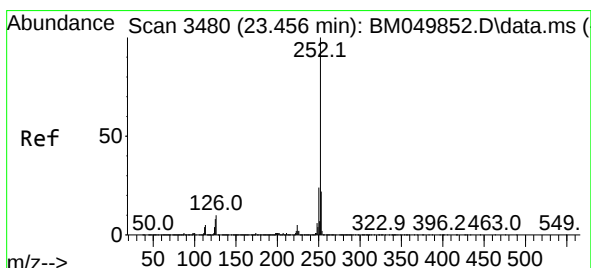
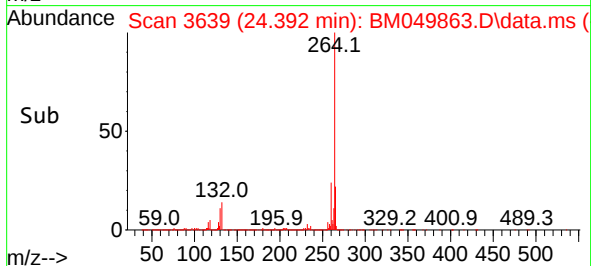
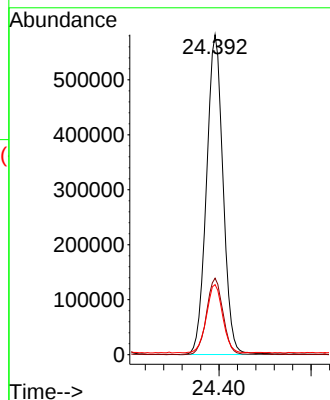
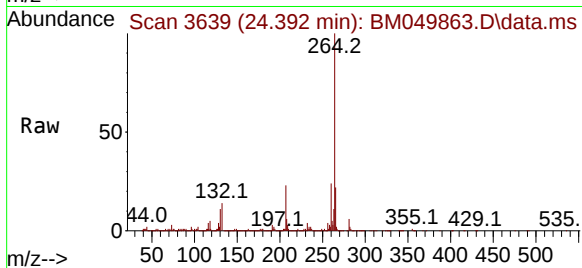
Tgt Ion:264 Resp: 1455314

Ion Ratio Lower Upper

264 100

260 23.9 18.6 28.0

265 21.9 17.8 26.8



#88

Benzo(b)fluoranthene

Concen: 4.367 ng

RT: 23.445 min Scan# 3478

Delta R.T. -0.012 min

Lab File: BM049863.D

Acq: 09 Apr 2025 11:50

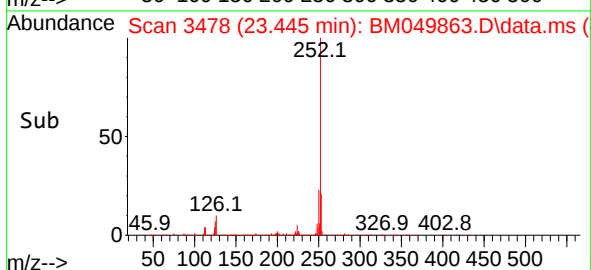
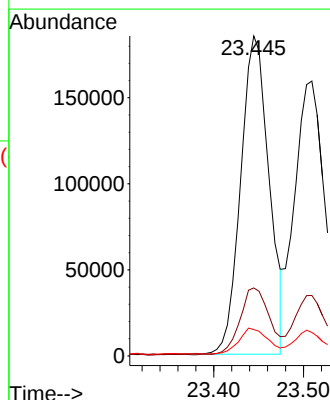
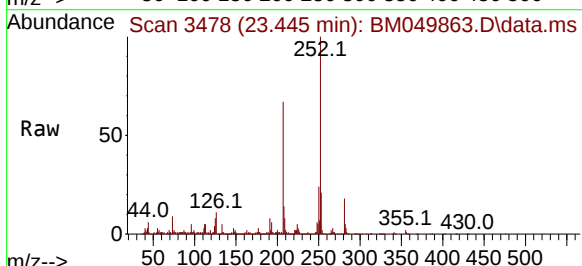
Tgt Ion:252 Resp: 405921

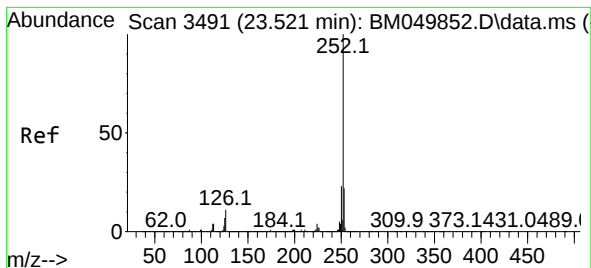
Ion Ratio Lower Upper

252 100

253 21.3 17.5 26.3

125 8.2 6.2 9.4





#89

Benzo(k)fluoranthene

Concen: 4.477 ng

RT: 23.509 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM049863.D

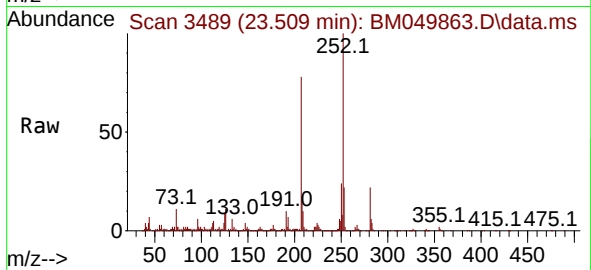
Acq: 09 Apr 2025 11:50

Instrument :

BNA_M

ClientSampleId :

TP-20



Tgt Ion:252 Resp: 403245

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 8.6 5.8 8.8

