

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
 Data File : BM049864.D
 Acq On : 09 Apr 2025 12:29
 Operator : RC/JU
 Sample : Q1744-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-158-SB01

Quant Time: Apr 09 13:05:35 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)

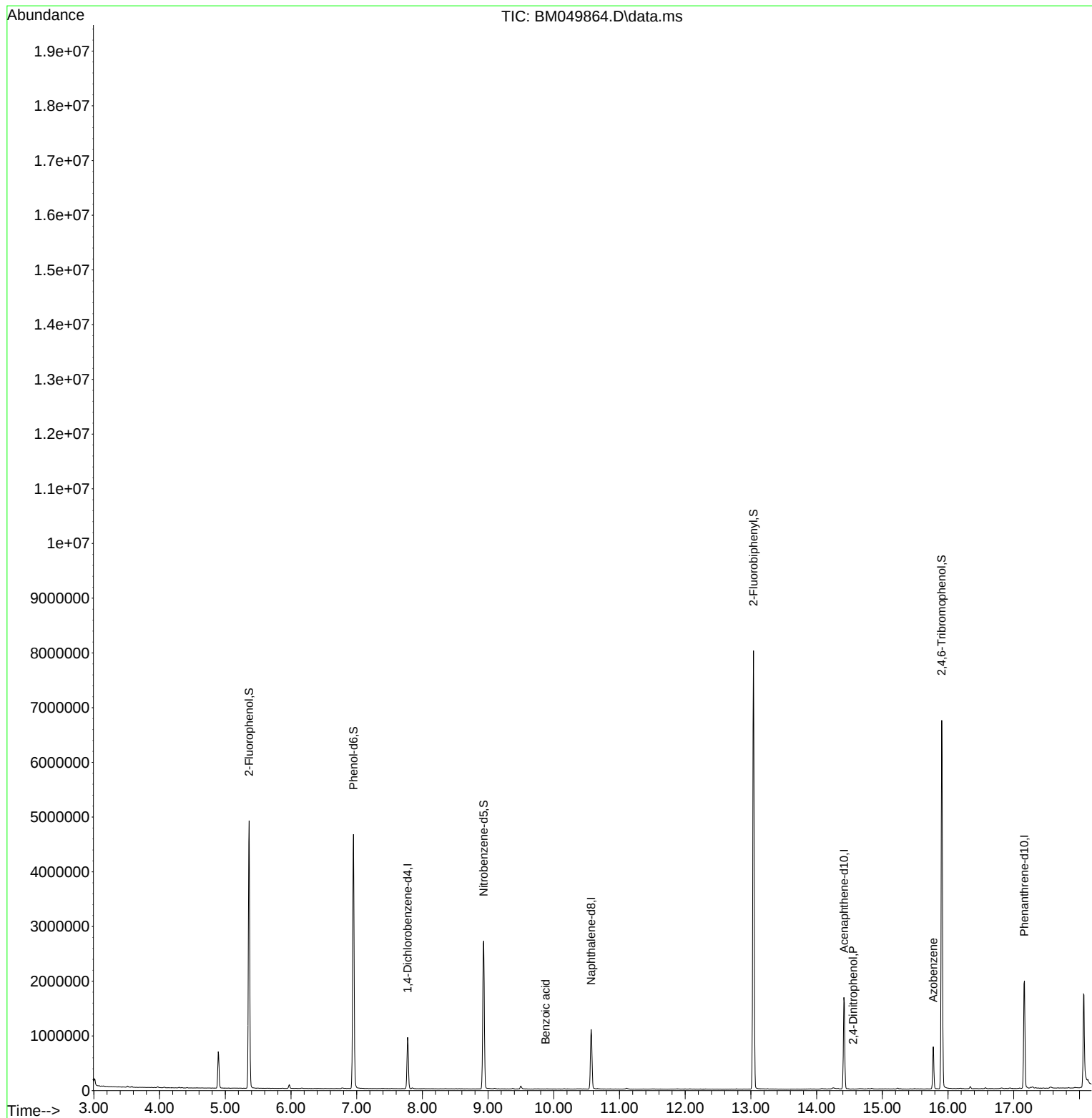
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	270450	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	926727	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	601767	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1216375	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1277210	20.000	ng	0.00
86) Perylene-d12	24.391	264	1378204	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	2159201	135.570	ng	0.00
7) Phenol-d6	6.951	99	2699671	136.237	ng	0.00
23) Nitrobenzene-d5	8.934	82	1587724	95.403	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1347067	153.899	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	4184517	94.293	ng	0.00
79) Terphenyl-d14	19.786	244	7257247	106.486	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.875	122	275	8.557	ng	# 47
54) 2,4-Dinitrophenol	14.557	184	54	7.232	ng	# 1
63) Azobenzene	15.774	77	194796	5.589	ng	# 1
81) Benzo(a)anthracene	21.380	228	187777	2.212	ng	99
83) Chrysene	21.439	228	343227	4.253	ng	99
88) Benzo(b)fluoranthene	23.444	252	385800	4.383	ng	99
89) Benzo(k)fluoranthene	23.503	252	369571	4.333	ng	# 96

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

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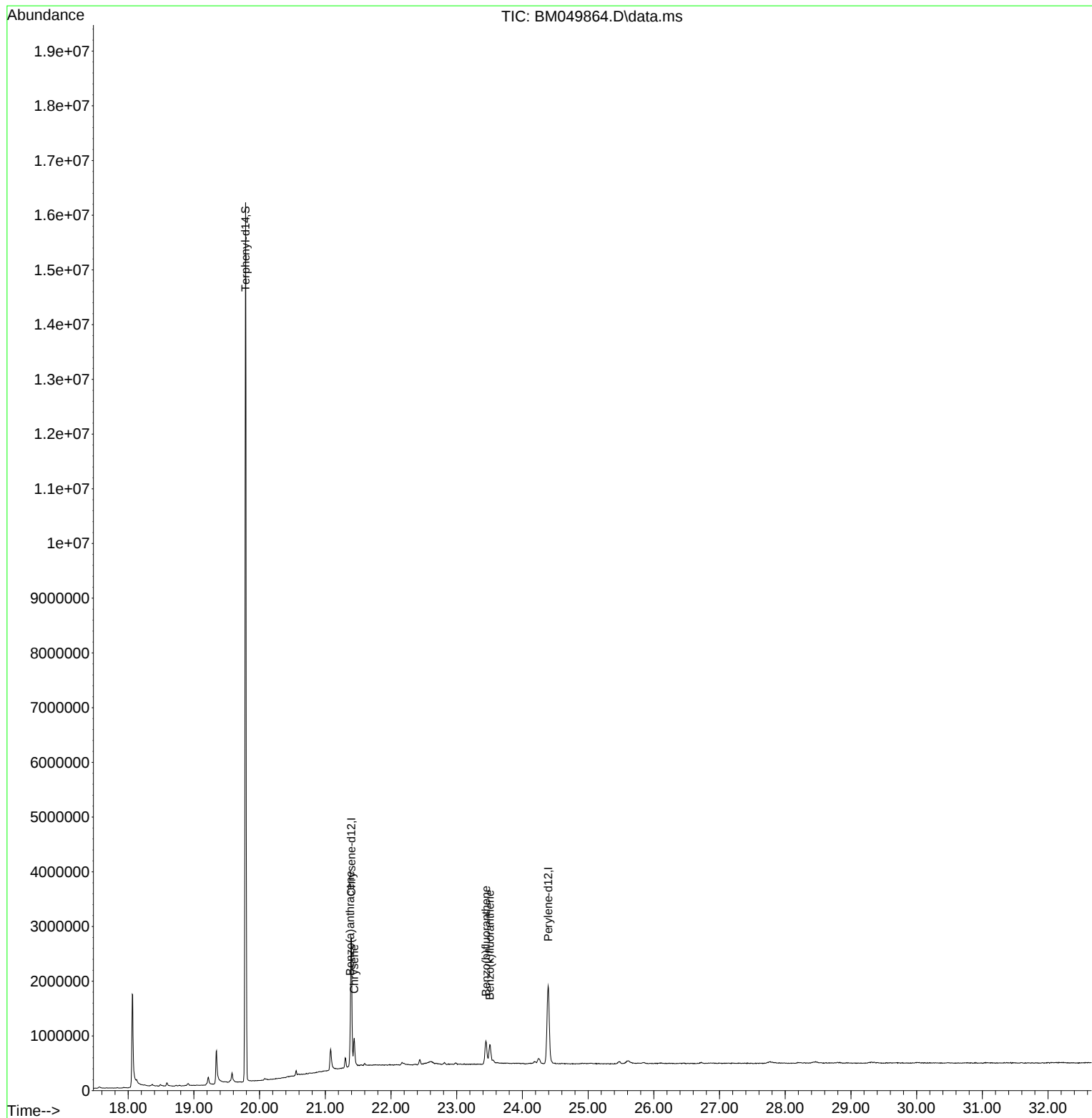
Quant Time: Apr 09 13:05:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
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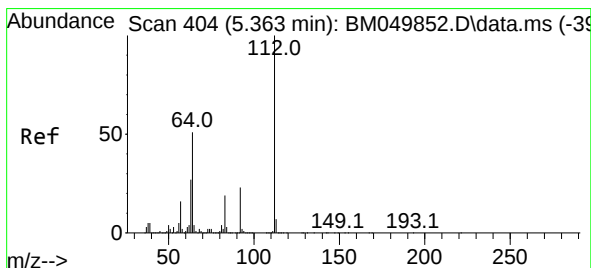
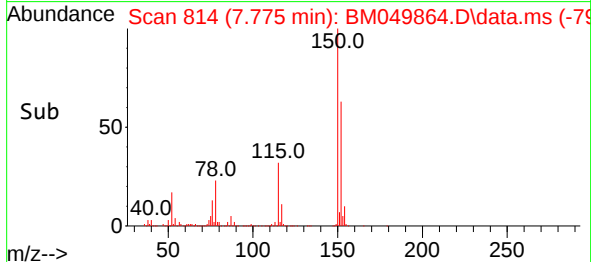
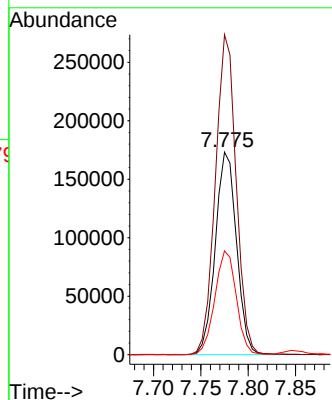
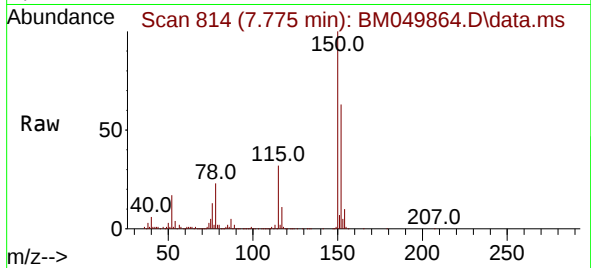




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 815
Delta R.T. -0.006 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

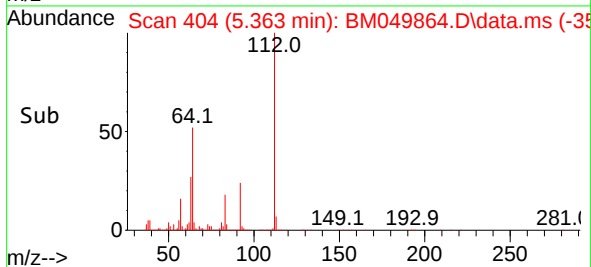
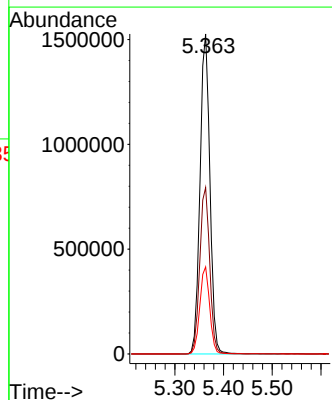
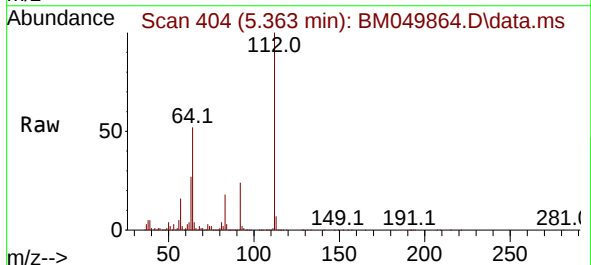
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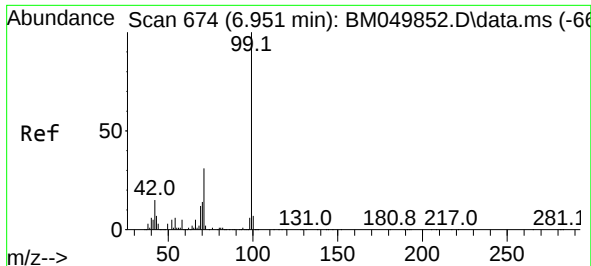
Tgt Ion:152 Resp: 270450
Ion Ratio Lower Upper
152 100
150 158.0 124.3 186.5
115 51.3 41.1 61.7



#5
2-Fluorophenol
Concen: 135.570 ng
RT: 5.363 min Scan# 404
Delta R.T. 0.000 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Tgt Ion:112 Resp: 2159201
Ion Ratio Lower Upper
112 100
64 52.0 41.0 61.6
63 27.2 21.5 32.3

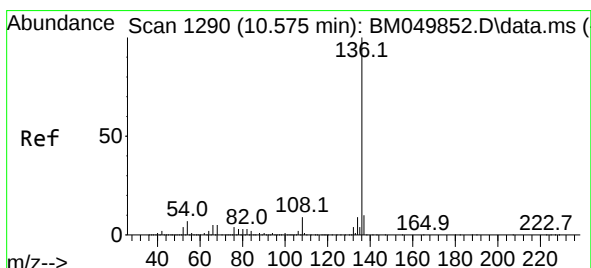
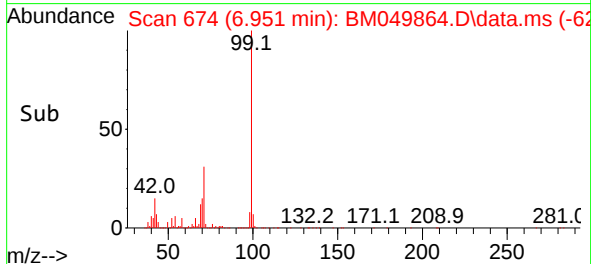
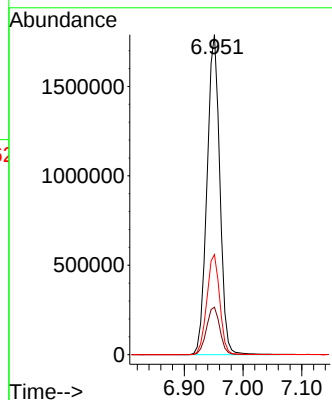
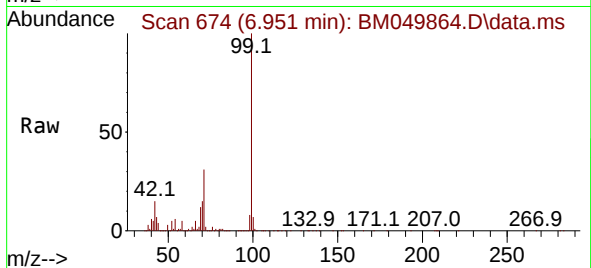




#7
Phenol-d6
Concen: 136.237 ng
RT: 6.951 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

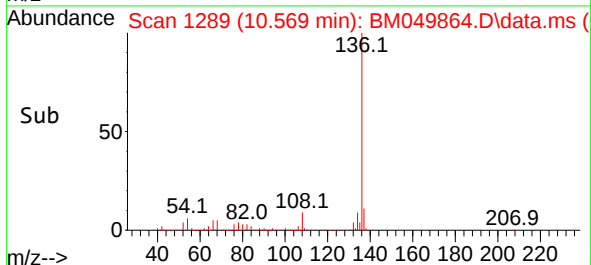
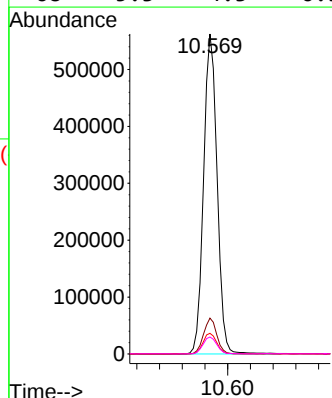
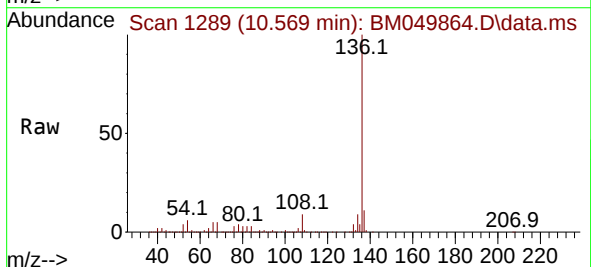
Instrument :
BNA_M
ClientSampleId :
B-158-SB01

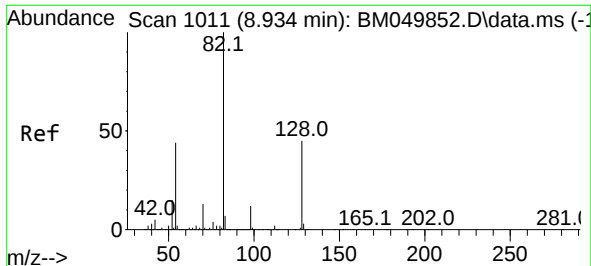
Tgt Ion: 99 Resp: 2699671
Ion Ratio Lower Upper
99 100
42 14.9 12.1 18.1
71 31.3 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Tgt Ion: 136 Resp: 926727
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 6.4 5.3 7.9
68 5.3 4.3 6.5

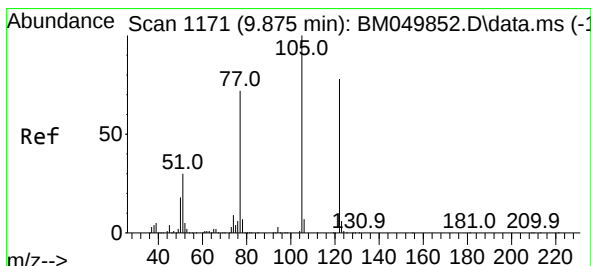
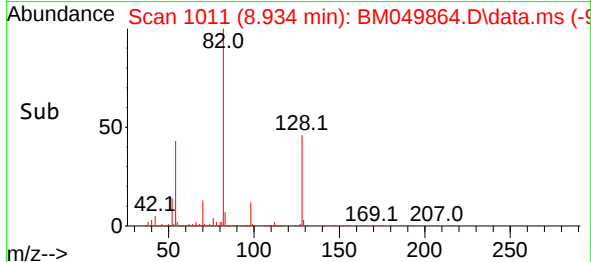
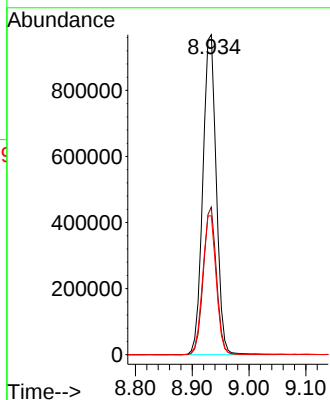
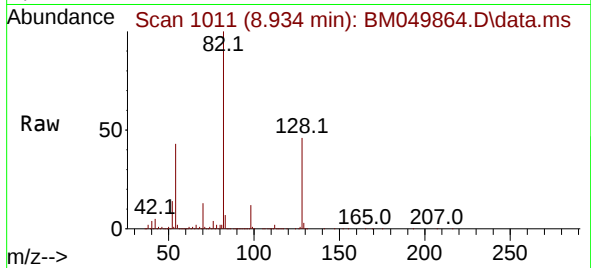




#23
Nitrobenzene-d5
Concen: 95.403 ng
RT: 8.934 min Scan# 1011
Delta R.T. 0.000 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

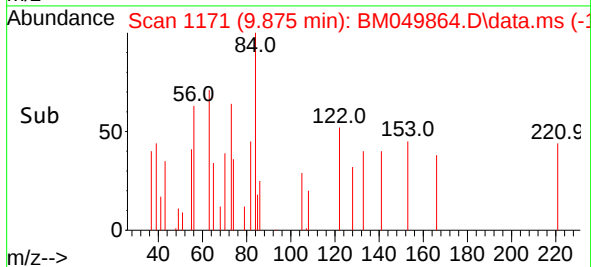
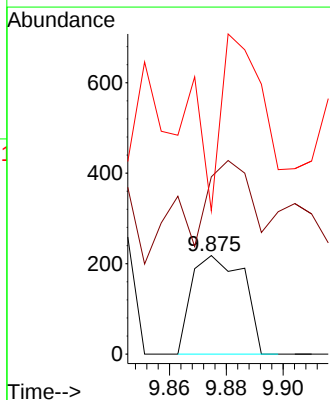
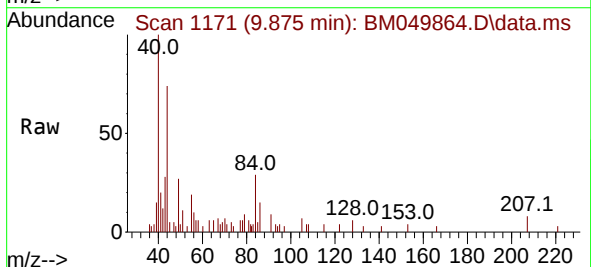
Instrument :
BNA_M
ClientSampleId :
B-158-SB01

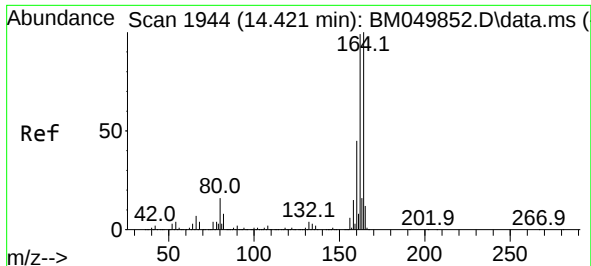
Tgt Ion: 82 Resp: 1587724
Ion Ratio Lower Upper
82 100
128 46.1 36.2 54.2
54 43.4 35.0 52.6



#32
Benzoic acid
Concen: 8.557 ng
RT: 9.875 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Tgt Ion:122 Resp: 275
Ion Ratio Lower Upper
122 100
105 179.8 103.8 143.8#
77 145.4 70.7 110.7#

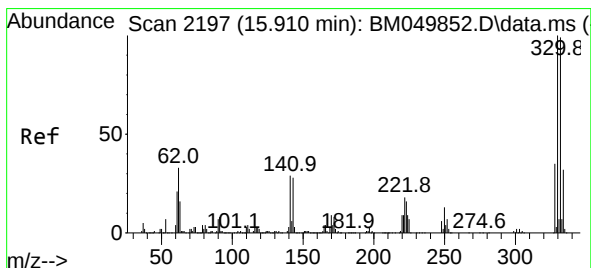
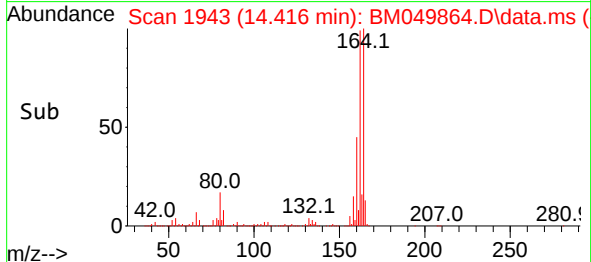
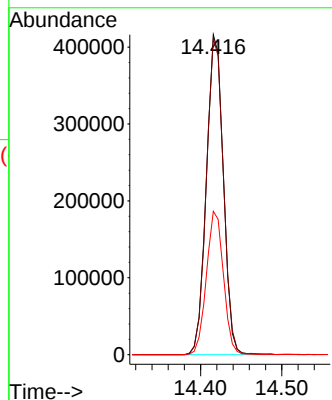
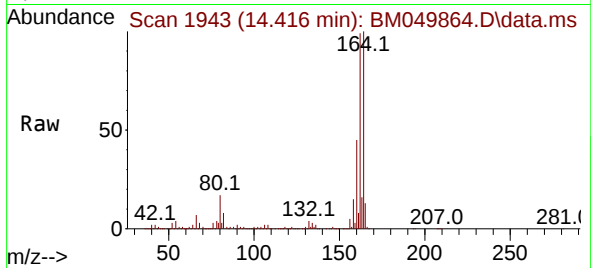




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.416 min Scan# 1943
 Delta R.T. -0.006 min
 Lab File: BM049864.D
 Acq: 09 Apr 2025 12:29

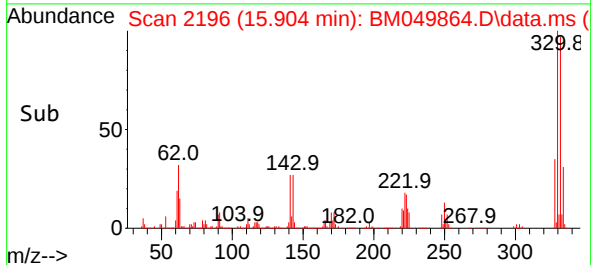
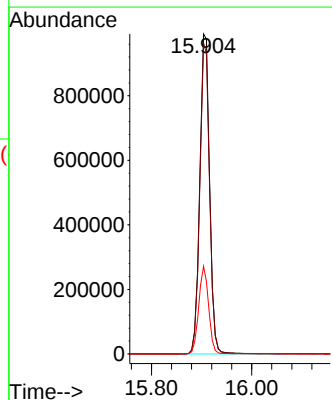
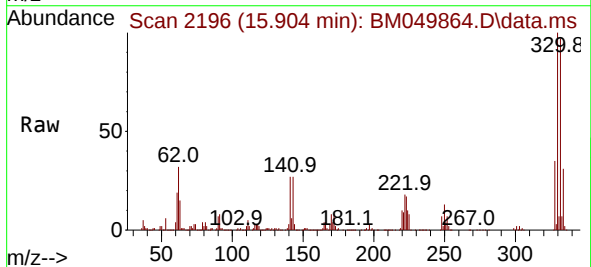
Instrument :
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 ClientSampleId :
 B-158-SB01

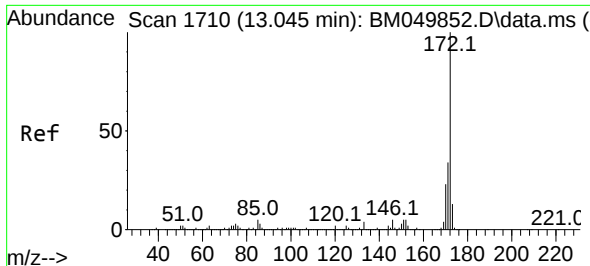
Tgt Ion:164 Resp: 601767
 Ion Ratio Lower Upper
 164 100
 162 98.9 79.4 119.0
 160 44.8 36.2 54.2



#42
 2,4,6-Tribromophenol
 Concen: 153.899 ng
 RT: 15.904 min Scan# 2196
 Delta R.T. -0.006 min
 Lab File: BM049864.D
 Acq: 09 Apr 2025 12:29

Tgt Ion:330 Resp: 1347067
 Ion Ratio Lower Upper
 330 100
 332 96.2 78.0 117.0
 141 27.4 23.5 35.3

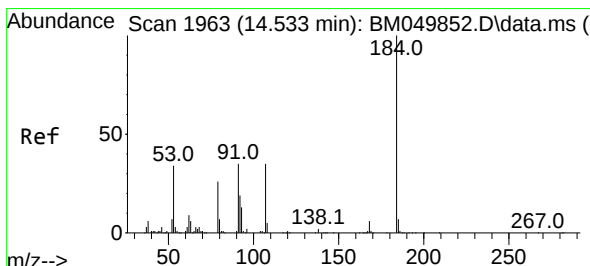
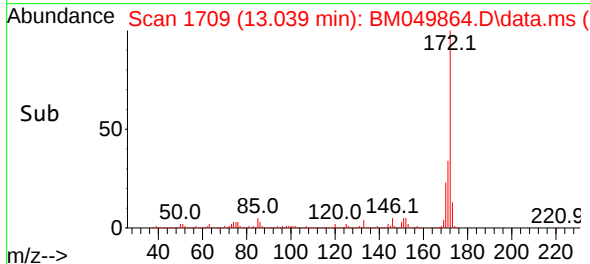
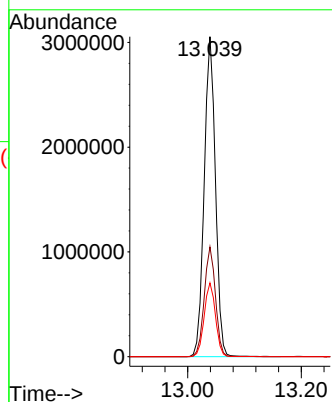
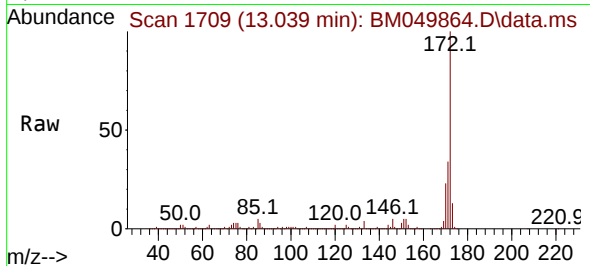




#45
2-Fluorobiphenyl
Concen: 94.293 ng
RT: 13.039 min Scan# 1710
Delta R.T. -0.006 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

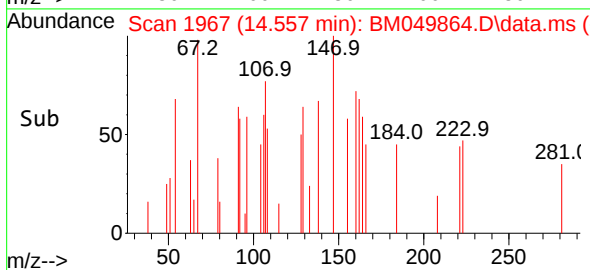
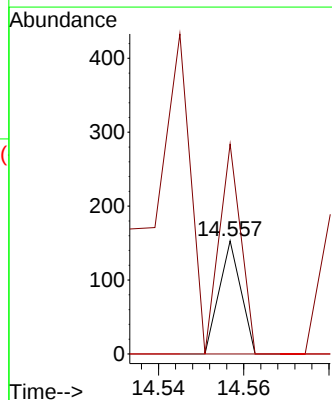
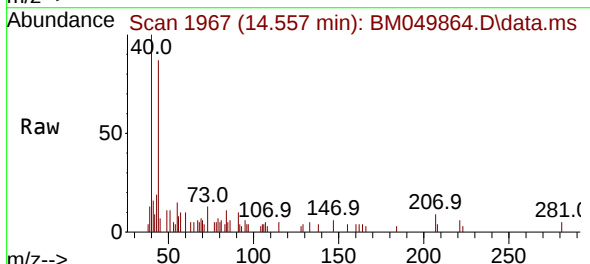
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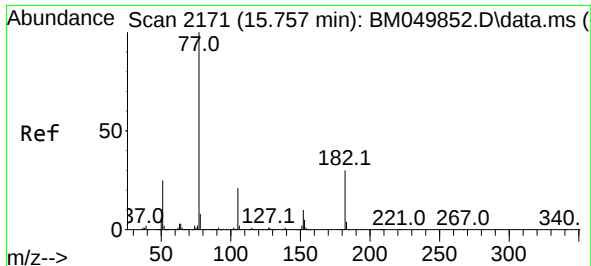
Tgt Ion:172 Resp: 4184517
Ion Ratio Lower Upper
172 100
171 34.3 27.4 41.2
170 23.1 18.6 28.0



#54
2,4-Dinitrophenol
Concen: 7.232 ng
RT: 14.557 min Scan# 1967
Delta R.T. 0.024 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Tgt Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 185.6 38.4 57.6#
154 0.0 48.1 72.1#

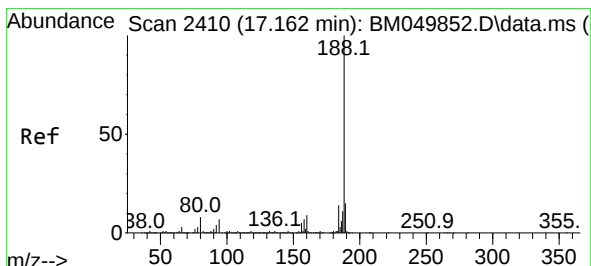
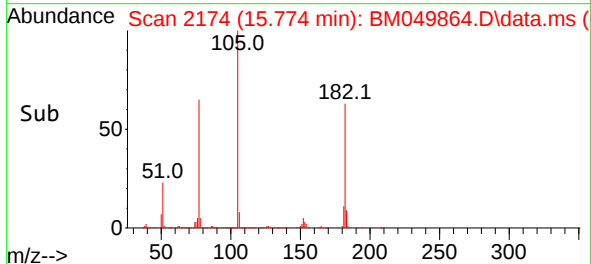
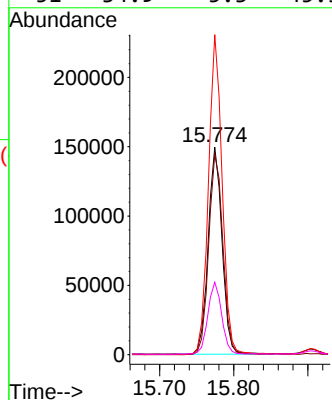
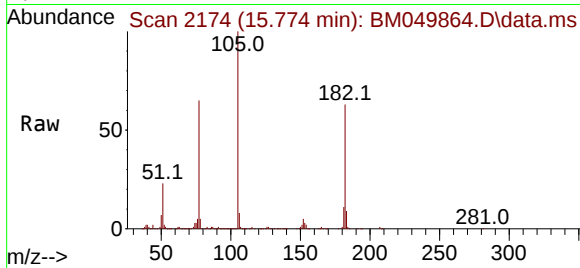




#63
Azobenzene
Concen: 5.589 ng
RT: 15.774 min Scan# 2171
Delta R.T. 0.018 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

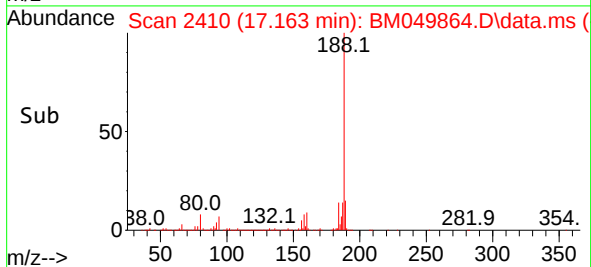
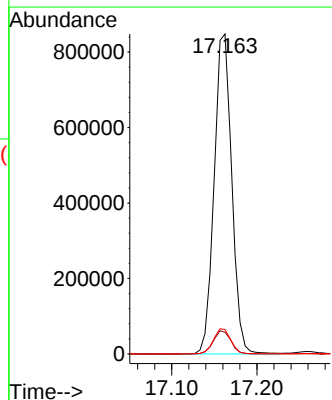
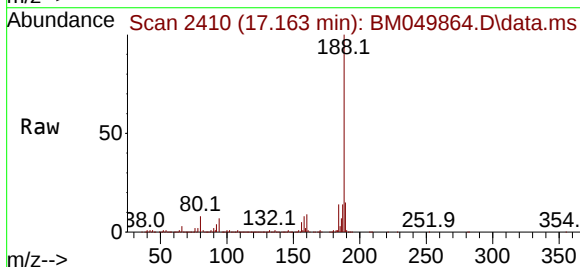
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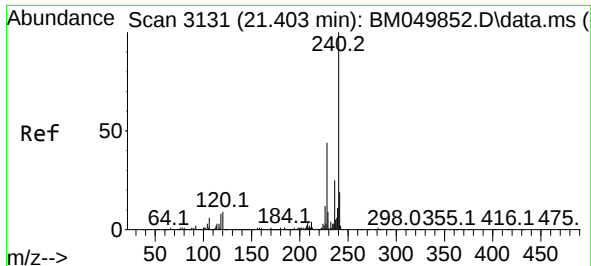
Tgt Ion: 77 Resp: 194796
Ion Ratio Lower Upper
77 100
182 96.5 10.4 50.4#
105 154.2 1.5 41.5#
51 34.9 5.3 45.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Tgt Ion:188 Resp: 1216375
Ion Ratio Lower Upper
188 100
94 6.8 5.8 8.6
80 7.6 6.4 9.6

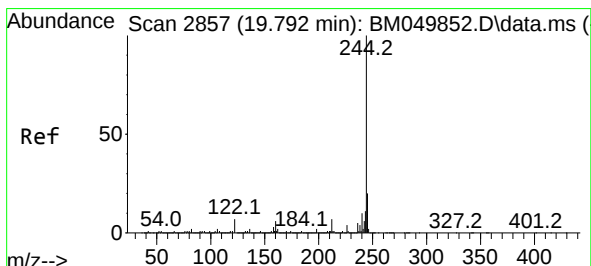
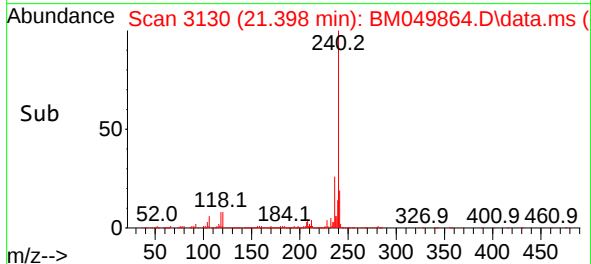
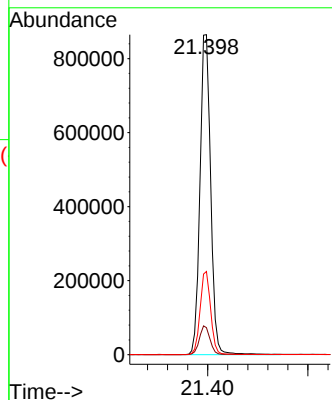
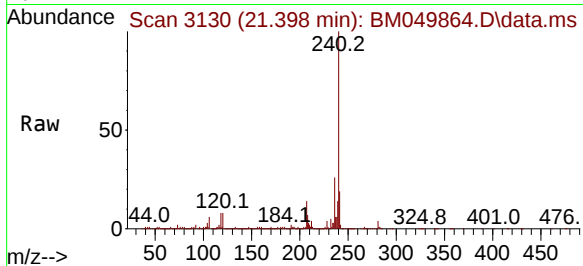




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

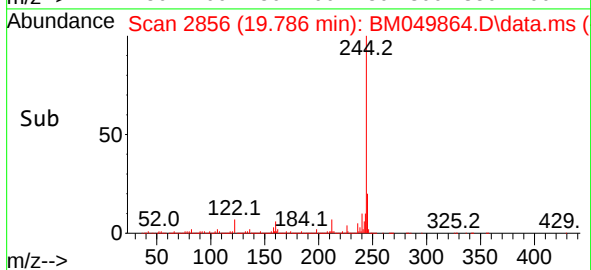
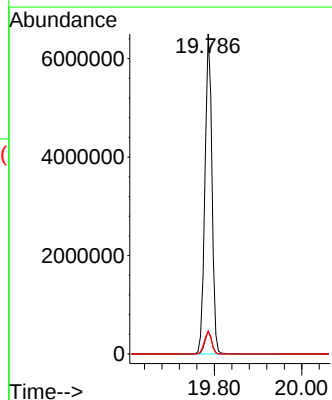
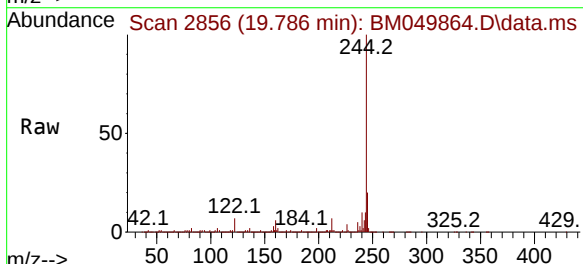
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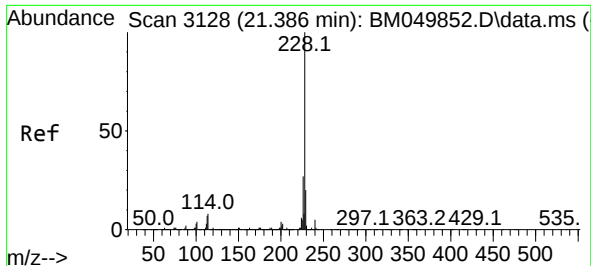
Tgt Ion:240 Resp: 1277210
Ion Ratio Lower Upper
240 100
120 8.4 6.9 10.3
236 26.0 20.4 30.6



#79
Terphenyl-d14
Concen: 106.486 ng
RT: 19.786 min Scan# 2856
Delta R.T. -0.006 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Tgt Ion:244 Resp: 7257247
Ion Ratio Lower Upper
244 100
212 7.2 5.5 8.3
122 7.0 5.4 8.0

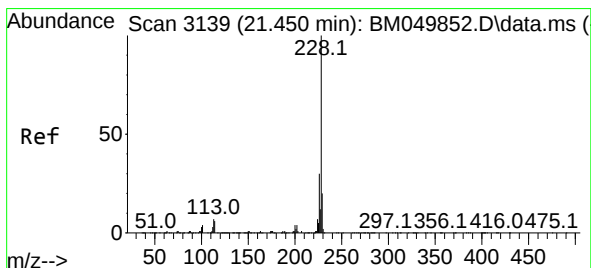
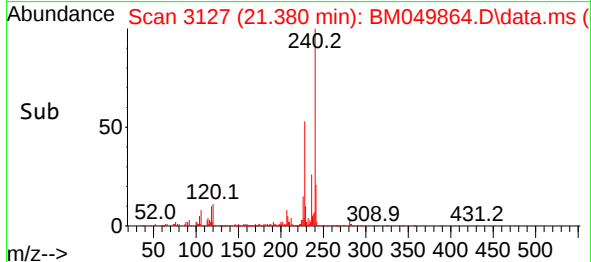
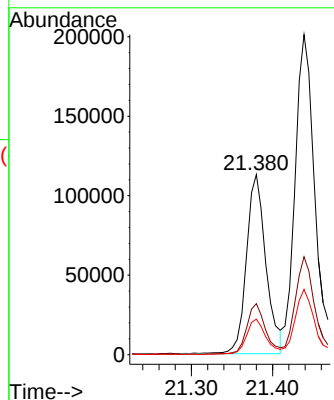
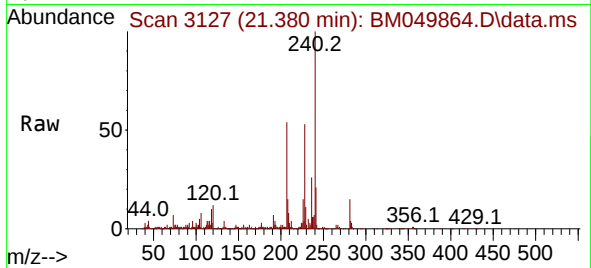




#81
Benzo(a)anthracene
Concen: 2.212 ng
RT: 21.380 min Scan# 3128
Delta R.T. -0.006 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

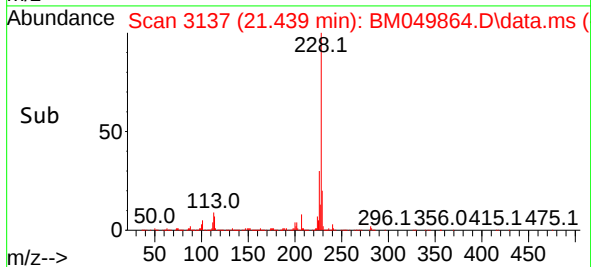
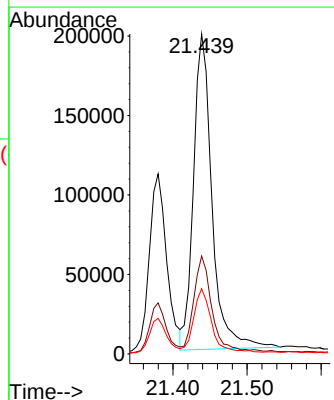
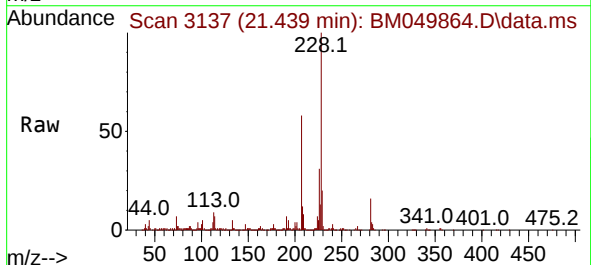
Instrument :
BNA_M
ClientSampleId :
B-158-SB01

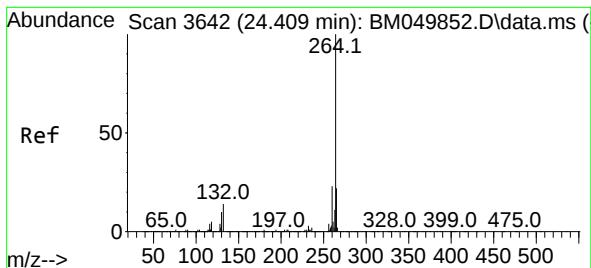
Tgt Ion:228 Resp: 187777
Ion Ratio Lower Upper
228 100
226 28.3 21.8 32.8
229 19.8 15.8 23.8



#83
Chrysene
Concen: 4.253 ng
RT: 21.439 min Scan# 3137
Delta R.T. -0.012 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Tgt Ion:228 Resp: 343227
Ion Ratio Lower Upper
228 100
226 30.6 24.1 36.1
229 20.4 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.391 min Scan# 3

Delta R.T. -0.018 min

Lab File: BM049864.D

Acq: 09 Apr 2025 12:29

Instrument :

BNA_M

ClientSampleId :

B-158-SB01

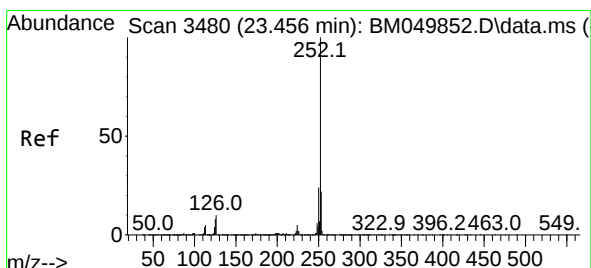
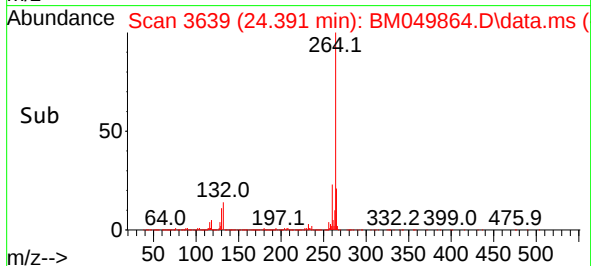
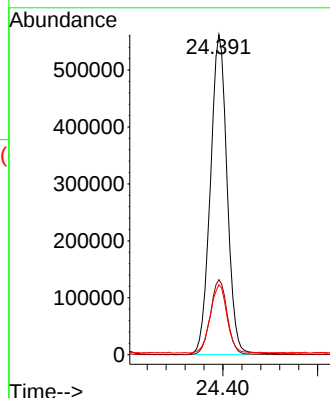
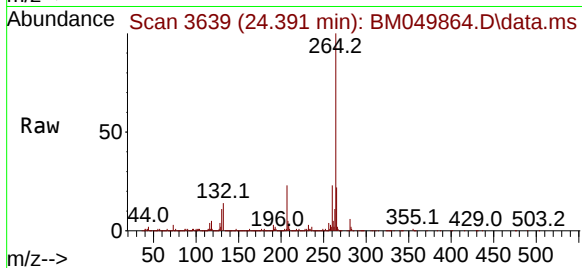
Tgt Ion:264 Resp: 1378204

Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 21.9 17.8 26.8



#88

Benzo(b)fluoranthene

Concen: 4.383 ng

RT: 23.444 min Scan# 3478

Delta R.T. -0.012 min

Lab File: BM049864.D

Acq: 09 Apr 2025 12:29

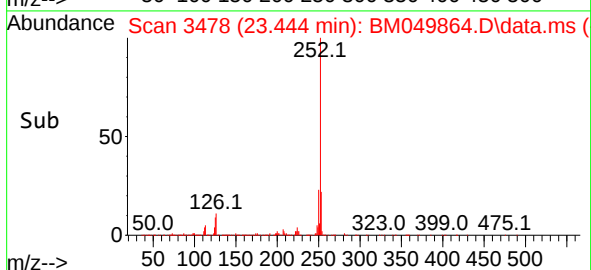
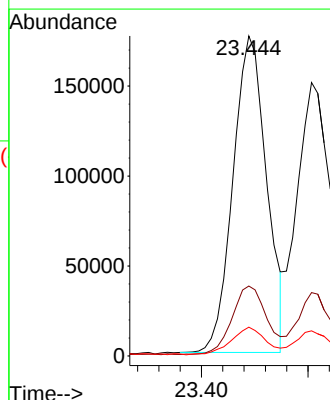
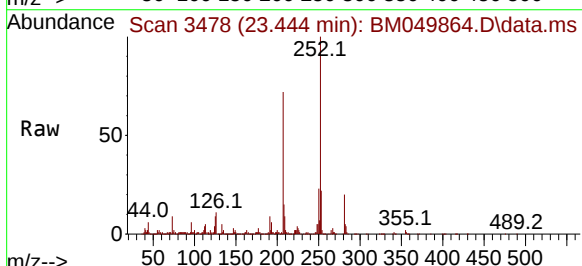
Tgt Ion:252 Resp: 385800

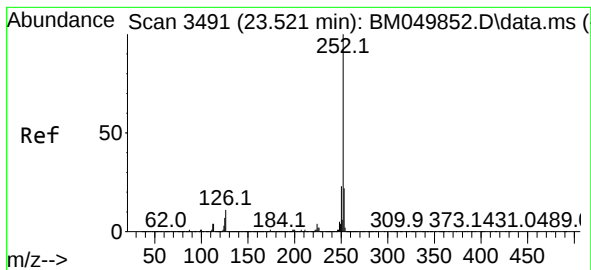
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 9.0 6.2 9.4





#89

Benzo(k)fluoranthene

Concen: 4.333 ng

RT: 23.503 min Scan# 34

Delta R.T. -0.018 min

Lab File: BM049864.D

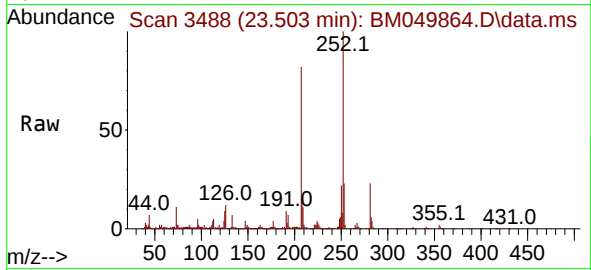
Acq: 09 Apr 2025 12:29

Instrument :

BNA_M

ClientSampleId :

B-158-SB01



Tgt Ion:252 Resp: 369571

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

125 9.2 5.8 8.8#

