

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041525\
 Data File : BM049937.D
 Acq On : 15 Apr 2025 16:33
 Operator : RC/JU
 Sample : Q1807-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OK-02-041425

Quant Time: Apr 15 17:18:28 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)

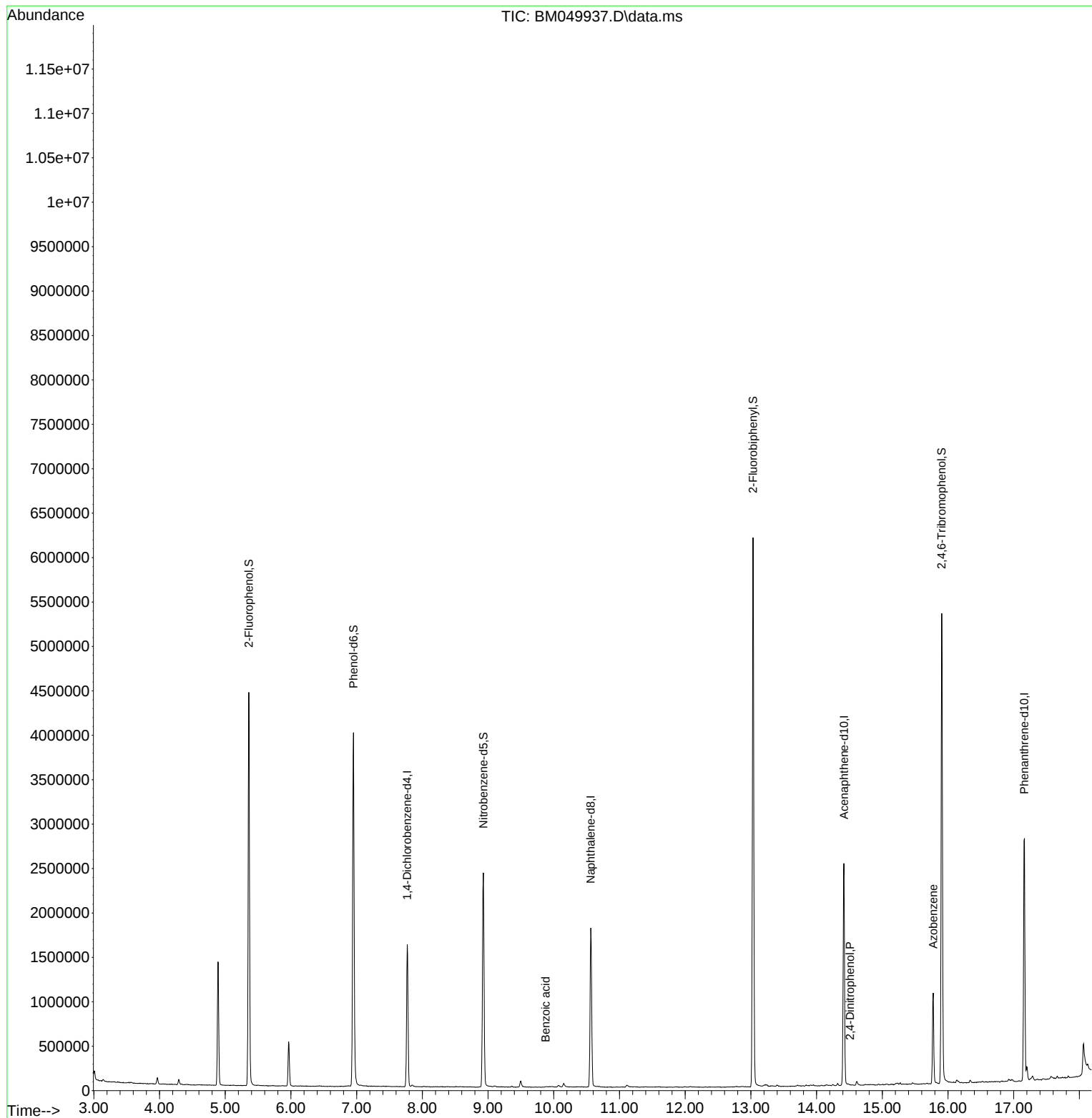
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	470902	20.000	ng	-0.01
21) Naphthalene-d8	10.563	136	1544386	20.000	ng	-0.01
39) Acenaphthene-d10	14.416	164	926001	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1710368	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1618309	20.000	ng	0.00
86) Perylene-d12	24.403	264	1875827	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	1980084	71.402	ng	0.00
7) Phenol-d6	6.952	99	2411214	69.884	ng	0.00
23) Nitrobenzene-d5	8.928	82	1428615	51.511	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1122531	83.342	ng	0.00
45) 2-Fluorobiphenyl	13.034	172	3400921	49.802	ng	-0.01
79) Terphenyl-d14	19.786	244	4538607	52.558	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.875	122	2693	8.650	ng	# 72
54) 2,4-Dinitrophenol	14.510	184	56	7.230	ng	# 1
63) Azobenzene	15.775	77	272139	5.074	ng	# 1

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

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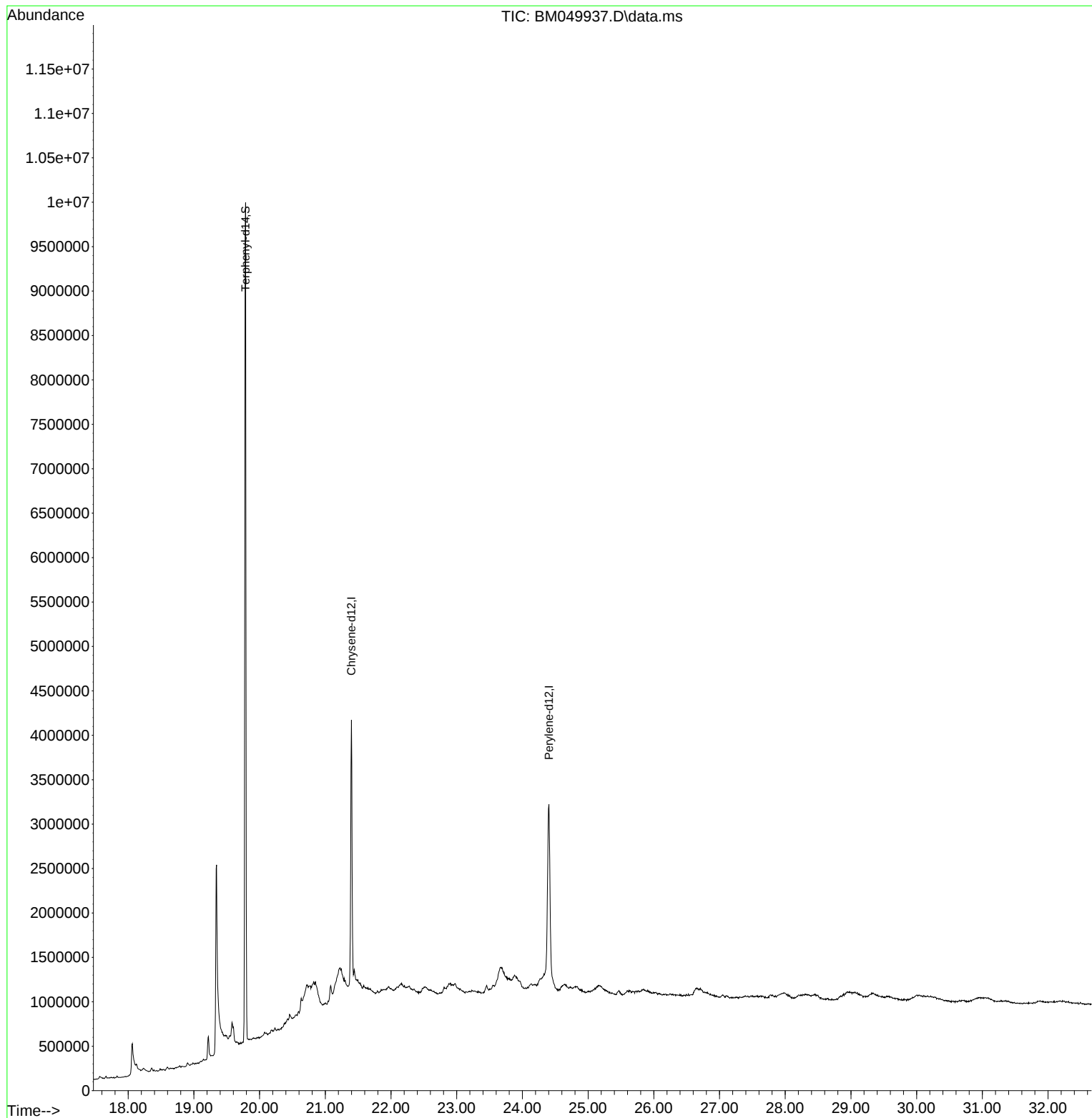
Quant Time: Apr 15 17:18:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
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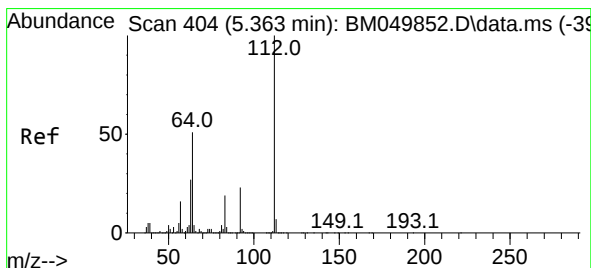
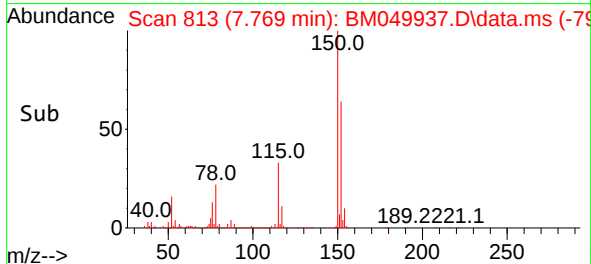
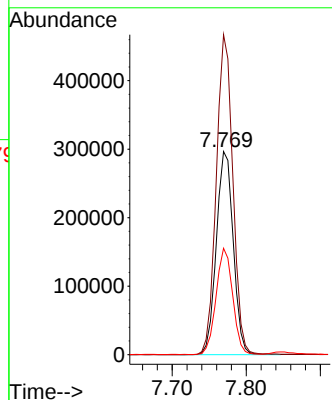
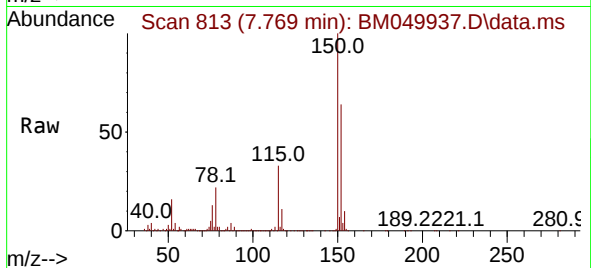




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 815
Delta R.T. -0.012 min
Lab File: BM049937.D
Acq: 15 Apr 2025 16:33

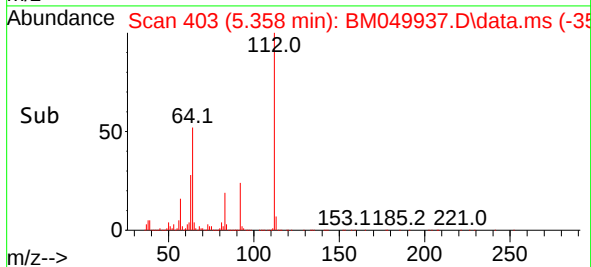
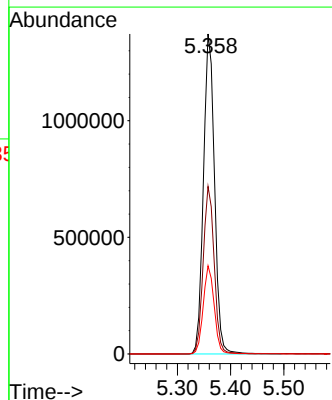
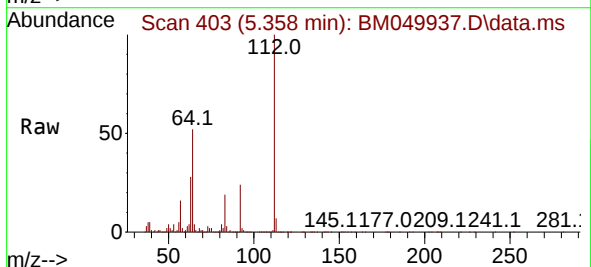
Instrument :
BNA_M
ClientSampleId :
OK-02-041425

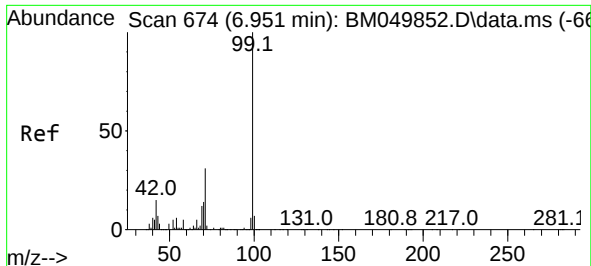
Tgt Ion:152 Resp: 470902
Ion Ratio Lower Upper
152 100
150 157.5 124.3 186.5
115 52.4 41.1 61.7



#5
2-Fluorophenol
Concen: 71.402 ng
RT: 5.358 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049937.D
Acq: 15 Apr 2025 16:33

Tgt Ion:112 Resp: 1980084
Ion Ratio Lower Upper
112 100
64 52.3 41.0 61.6
63 27.5 21.5 32.3

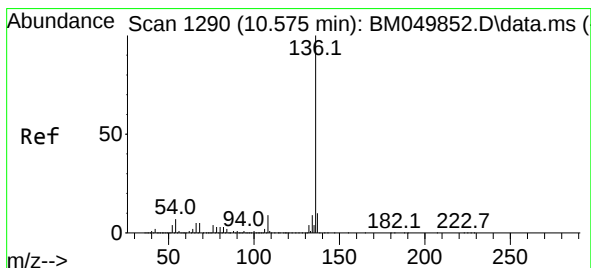
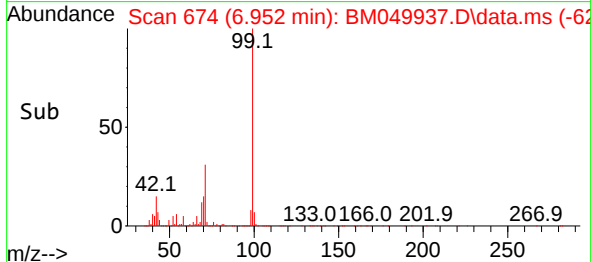
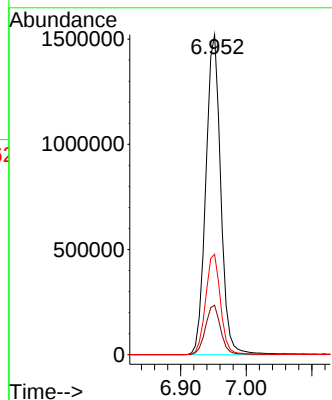
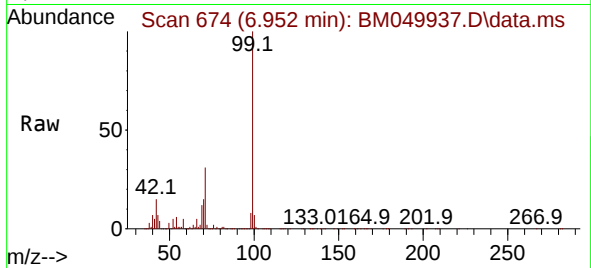




#7
Phenol-d6
Concen: 69.884 ng
RT: 6.952 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049937.D
Acq: 15 Apr 2025 16:33

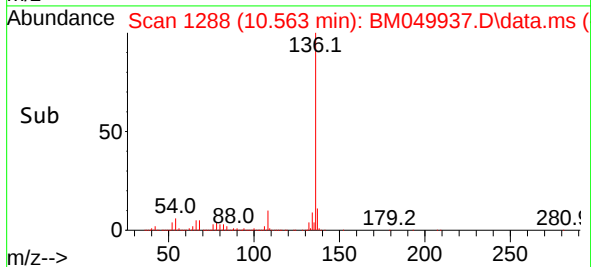
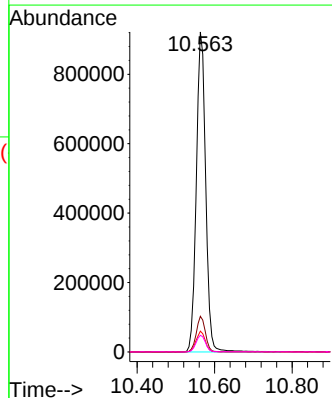
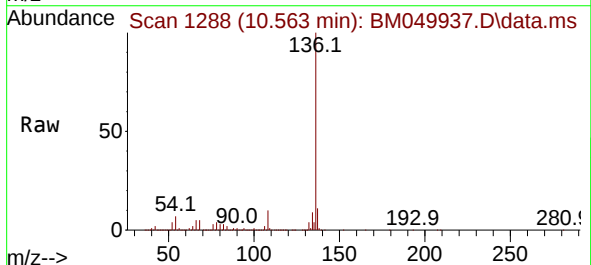
Instrument :
BNA_M
ClientSampleId :
OK-02-041425

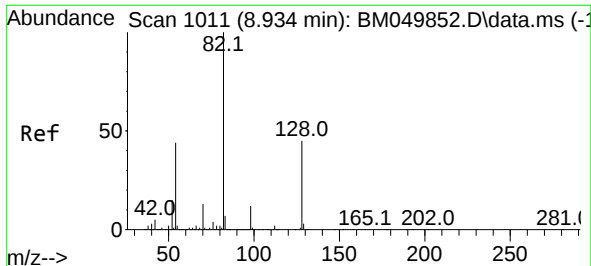
Tgt Ion: 99 Resp: 2411214
Ion Ratio Lower Upper
99 100
42 15.5 12.1 18.1
71 31.4 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.011 min
Lab File: BM049937.D
Acq: 15 Apr 2025 16:33

Tgt Ion: 136 Resp: 1544386
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 6.5 5.3 7.9
68 5.2 4.3 6.5

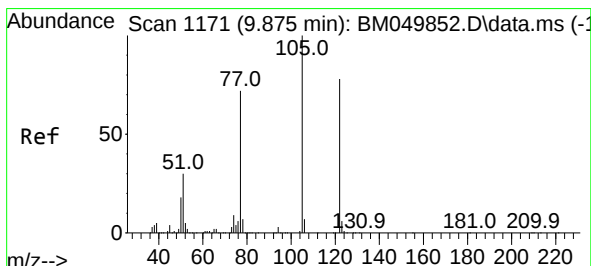
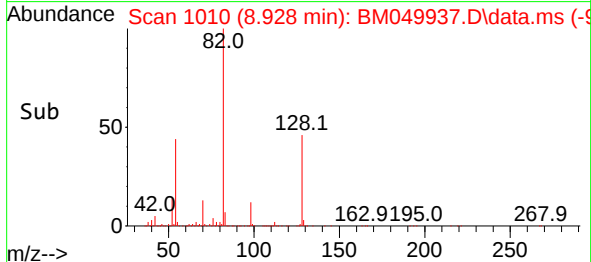
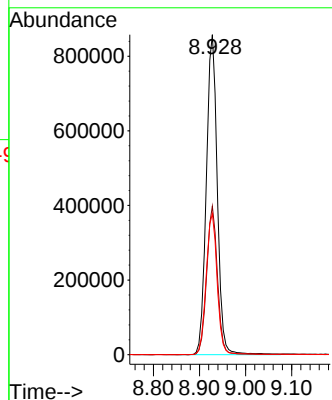
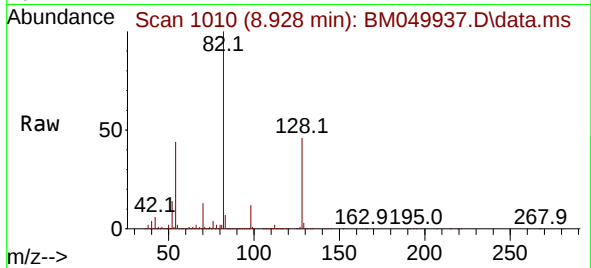




#23
Nitrobenzene-d5
Concen: 51.511 ng
RT: 8.928 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BM049937.D
Acq: 15 Apr 2025 16:33

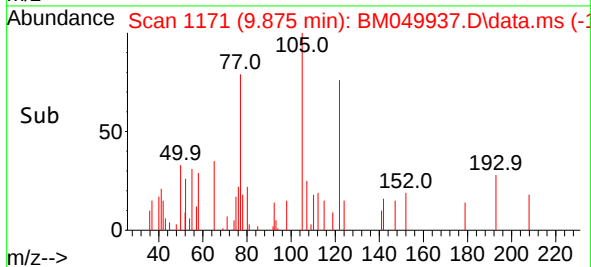
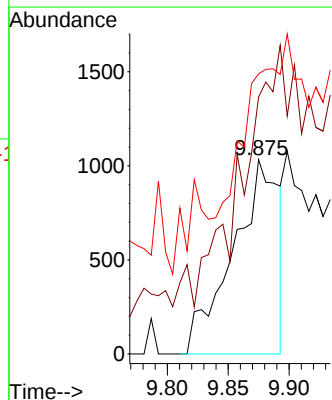
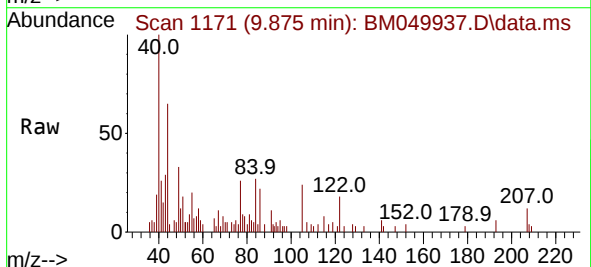
Instrument :
BNA_M
ClientSampleId :
OK-02-041425

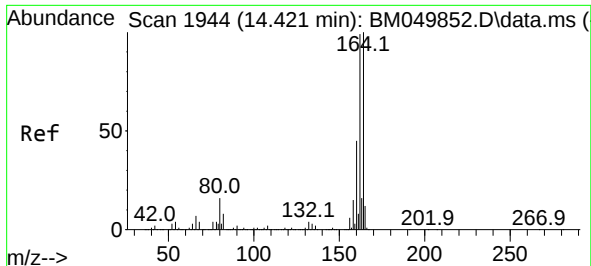
Tgt Ion: 82 Resp: 1428615
Ion Ratio Lower Upper
82 100
128 46.4 36.2 54.2
54 44.0 35.0 52.6



#32
Benzoic acid
Concen: 8.650 ng
RT: 9.875 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BM049937.D
Acq: 15 Apr 2025 16:33

Tgt Ion:122 Resp: 2693
Ion Ratio Lower Upper
122 100
105 132.2 103.8 143.8
77 144.1 70.7 110.7#

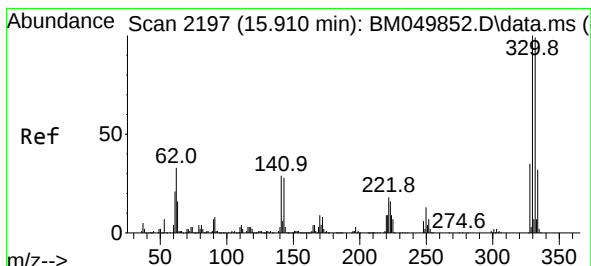
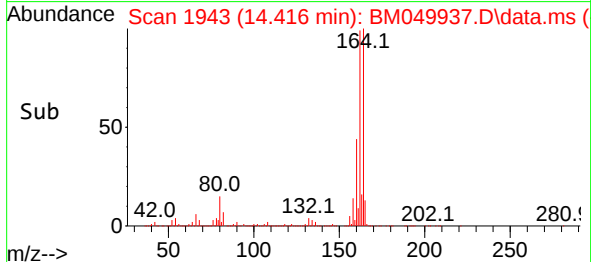
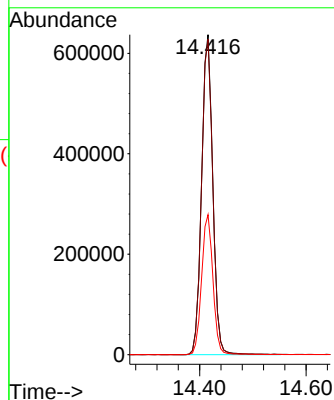
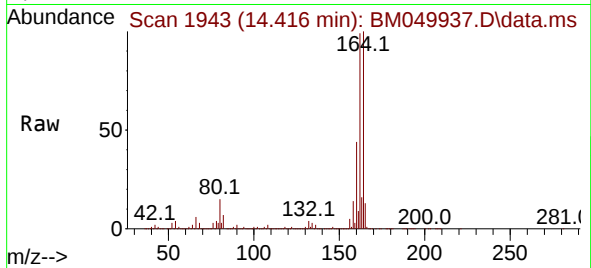




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM049937.D
Acq: 15 Apr 2025 16:33

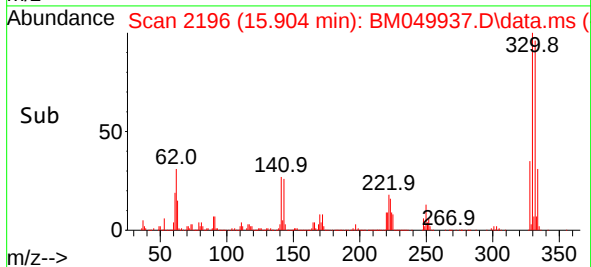
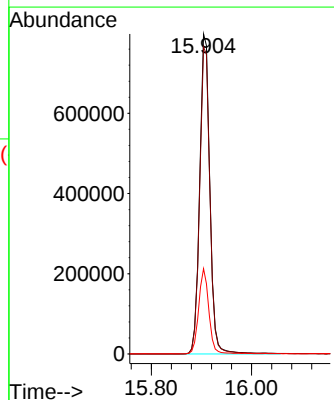
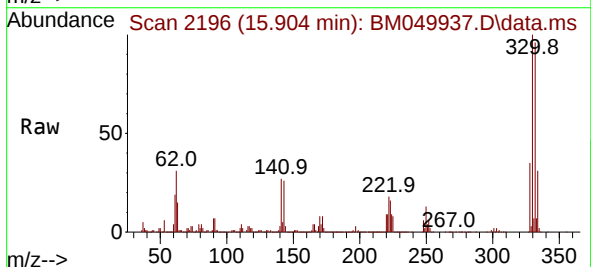
Instrument :
BNA_M
ClientSampleId :
OK-02-041425

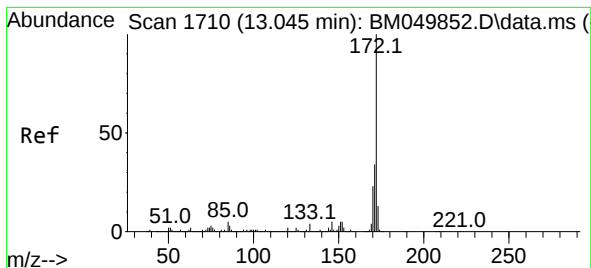
Tgt Ion:164 Resp: 926001
Ion Ratio Lower Upper
164 100
162 98.6 79.4 119.0
160 43.8 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 83.342 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM049937.D
Acq: 15 Apr 2025 16:33

Tgt Ion:330 Resp: 1122531
Ion Ratio Lower Upper
330 100
332 96.7 78.0 117.0
141 26.5 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 49.802 ng

RT: 13.034 min Scan# 1

Delta R.T. -0.011 min

Lab File: BM049937.D

Acq: 15 Apr 2025 16:33

Instrument :

BNA_M

ClientSampleId :

OK-02-041425

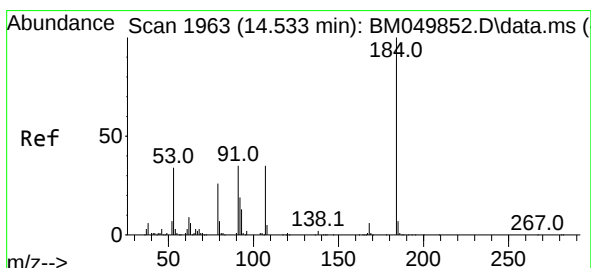
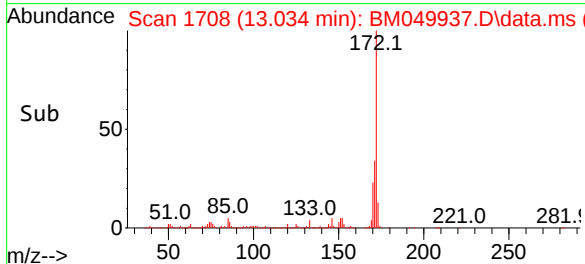
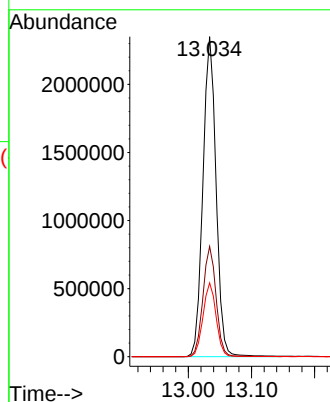
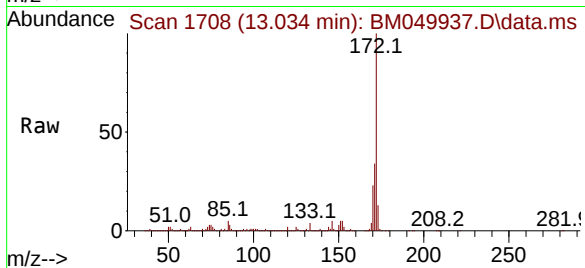
Tgt Ion:172 Resp: 3400921

Ion Ratio Lower Upper

172 100

171 34.5 27.4 41.2

170 23.1 18.6 28.0



#54

2,4-Dinitrophenol

Concen: 7.230 ng

RT: 14.510 min Scan# 1959

Delta R.T. -0.023 min

Lab File: BM049937.D

Acq: 15 Apr 2025 16:33

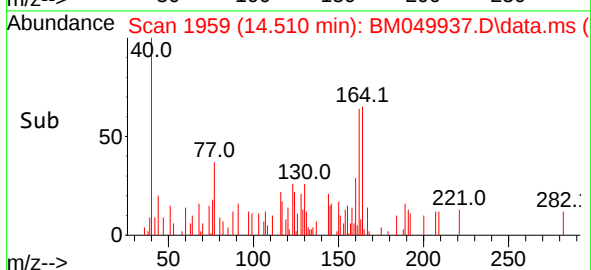
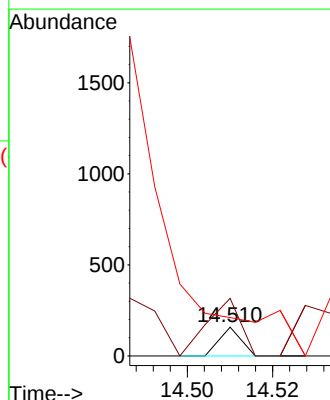
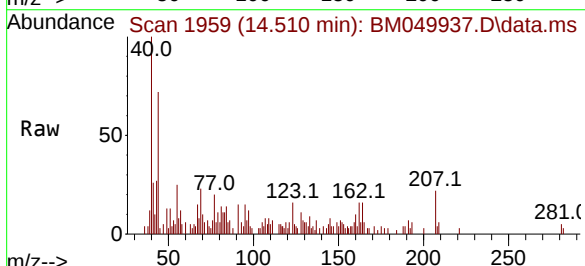
Tgt Ion:184 Resp: 56

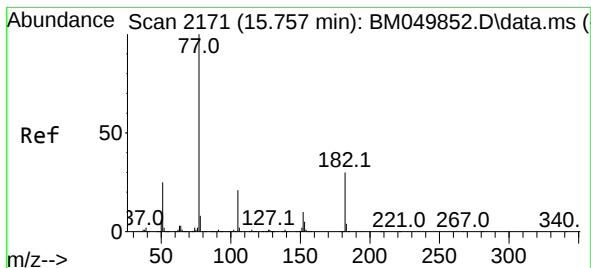
Ion Ratio Lower Upper

184 100

63 200.0 38.4 57.6#

154 133.5 48.1 72.1#





#63

Azobenzene

Concen: 5.074 ng

RT: 15.775 min Scan# 2171

Delta R.T. 0.018 min

Lab File: BM049937.D

Acq: 15 Apr 2025 16:33

Instrument :

BNA_M

ClientSampleId :

OK-02-041425

Tgt Ion: 77 Resp: 272139

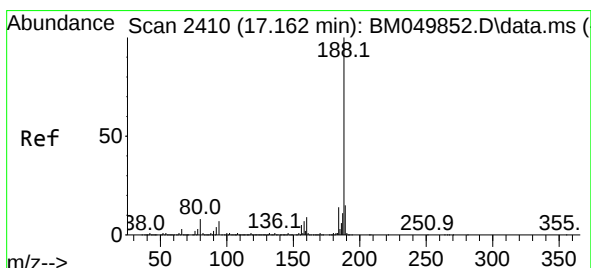
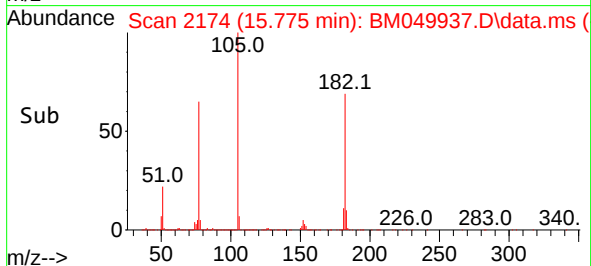
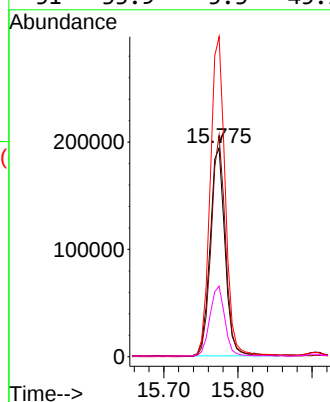
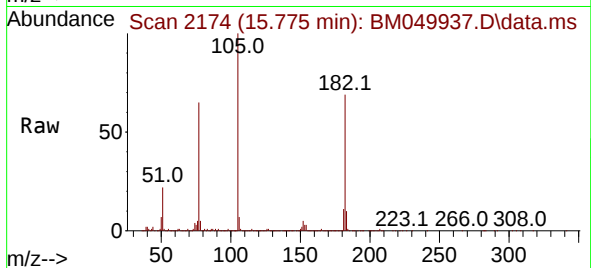
Ion Ratio Lower Upper

77 100

182 106.1 10.4 50.4#

105 153.4 1.5 41.5#

51 33.9 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: BM049937.D

Acq: 15 Apr 2025 16:33

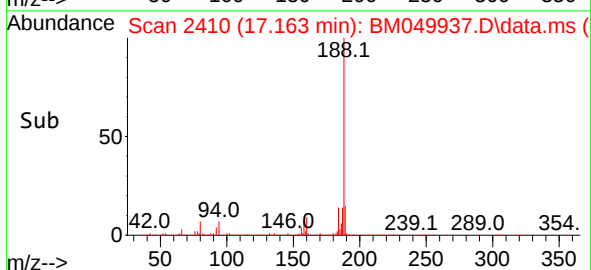
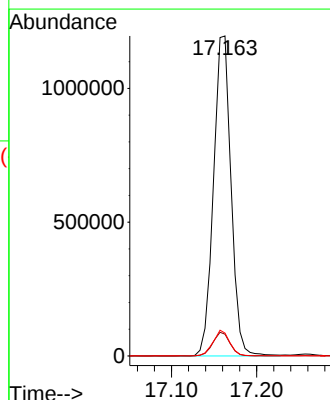
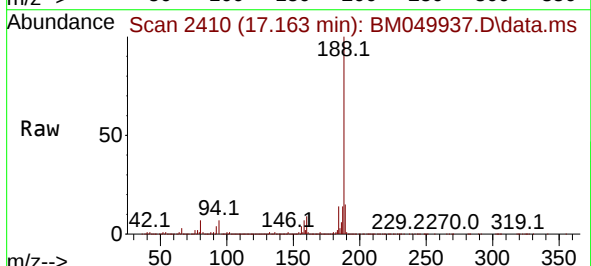
Tgt Ion:188 Resp: 1710368

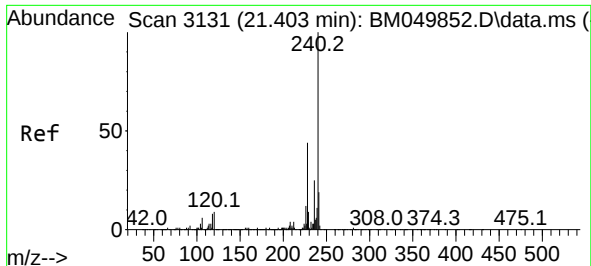
Ion Ratio Lower Upper

188 100

94 6.8 5.8 8.6

80 7.1 6.4 9.6

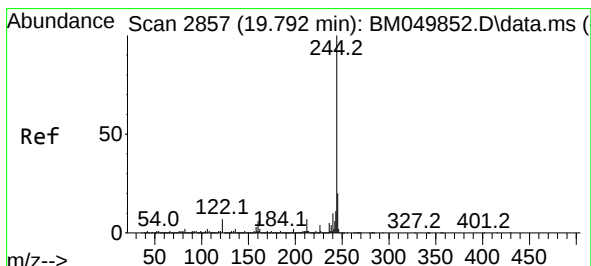
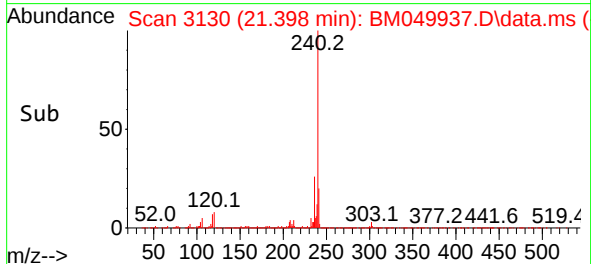
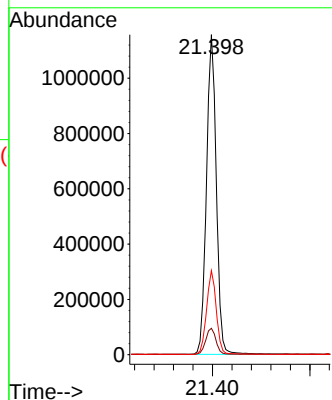
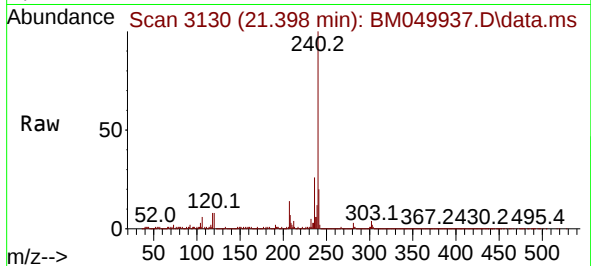




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM049937.D
Acq: 15 Apr 2025 16:33

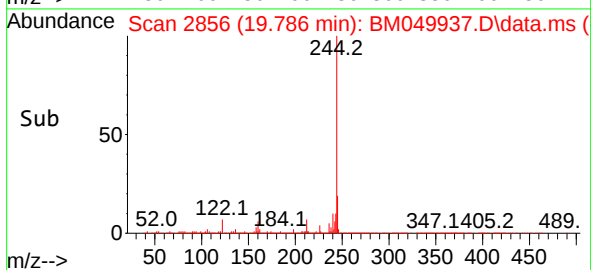
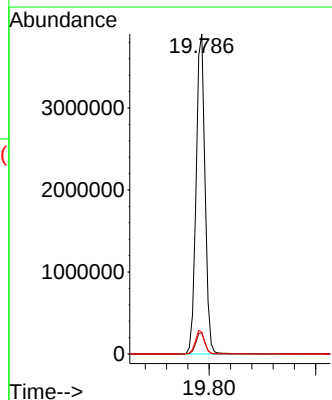
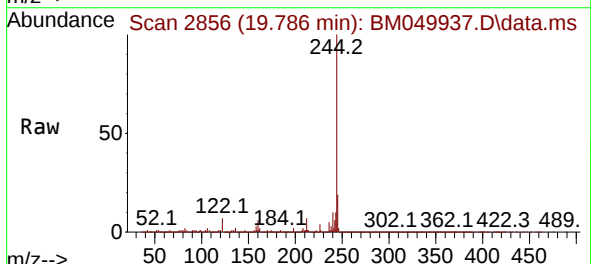
Instrument :
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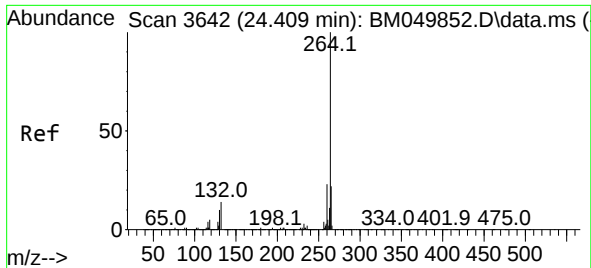
Tgt Ion:240 Resp: 1618309
Ion Ratio Lower Upper
240 100
120 8.3 6.9 10.3
236 26.2 20.4 30.6



#79
Terphenyl-d14
Concen: 52.558 ng
RT: 19.786 min Scan# 2856
Delta R.T. -0.006 min
Lab File: BM049937.D
Acq: 15 Apr 2025 16:33

Tgt Ion:244 Resp: 4538607
Ion Ratio Lower Upper
244 100
212 6.6 5.5 8.3
122 6.8 5.4 8.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 30
Delta R.T. -0.006 min
Lab File: BM049937.D
Acq: 15 Apr 2025 16:33

Instrument :
BNA_M
ClientSampleId :
OK-02-041425

Tgt Ion:264 Resp: 1875827
Ion Ratio Lower Upper
264 100
260 23.9 18.6 28.0
265 22.2 17.8 26.8

