

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041025\
 Data File : BM049884.D
 Acq On : 10 Apr 2025 14:49
 Operator : RC/JU
 Sample : Q1752-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-1

Quant Time: Apr 10 15:23:49 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)

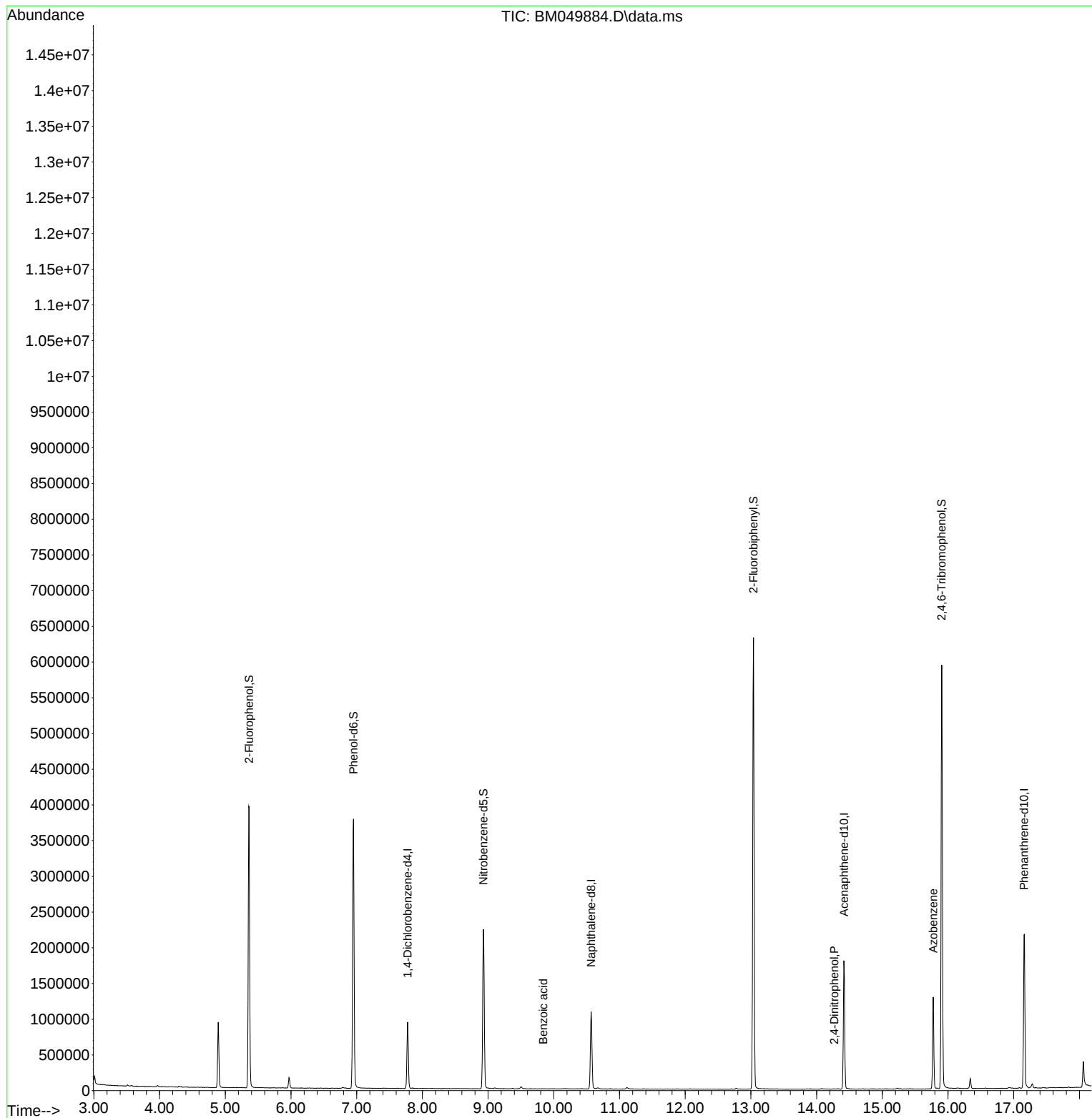
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	262490	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	916410	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	632905	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1337922	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1315299	20.000	ng	0.00
86) Perylene-d12	24.391	264	1391377	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	1787646	115.645	ng	0.00
7) Phenol-d6	6.951	99	2228701	115.881	ng	0.00
23) Nitrobenzene-d5	8.928	82	1293382	78.592	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1182695	128.472	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	3327842	71.300	ng	0.00
79) Terphenyl-d14	19.786	244	5614182	79.991	ng	0.00
Target Compounds						
32) Benzoic acid	9.839	122	195	8.552	ng	# 7
54) 2,4-Dinitrophenol	14.269	184	55	7.232	ng	# 5
63) Azobenzene	15.774	77	333349	9.093	ng	# 1

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

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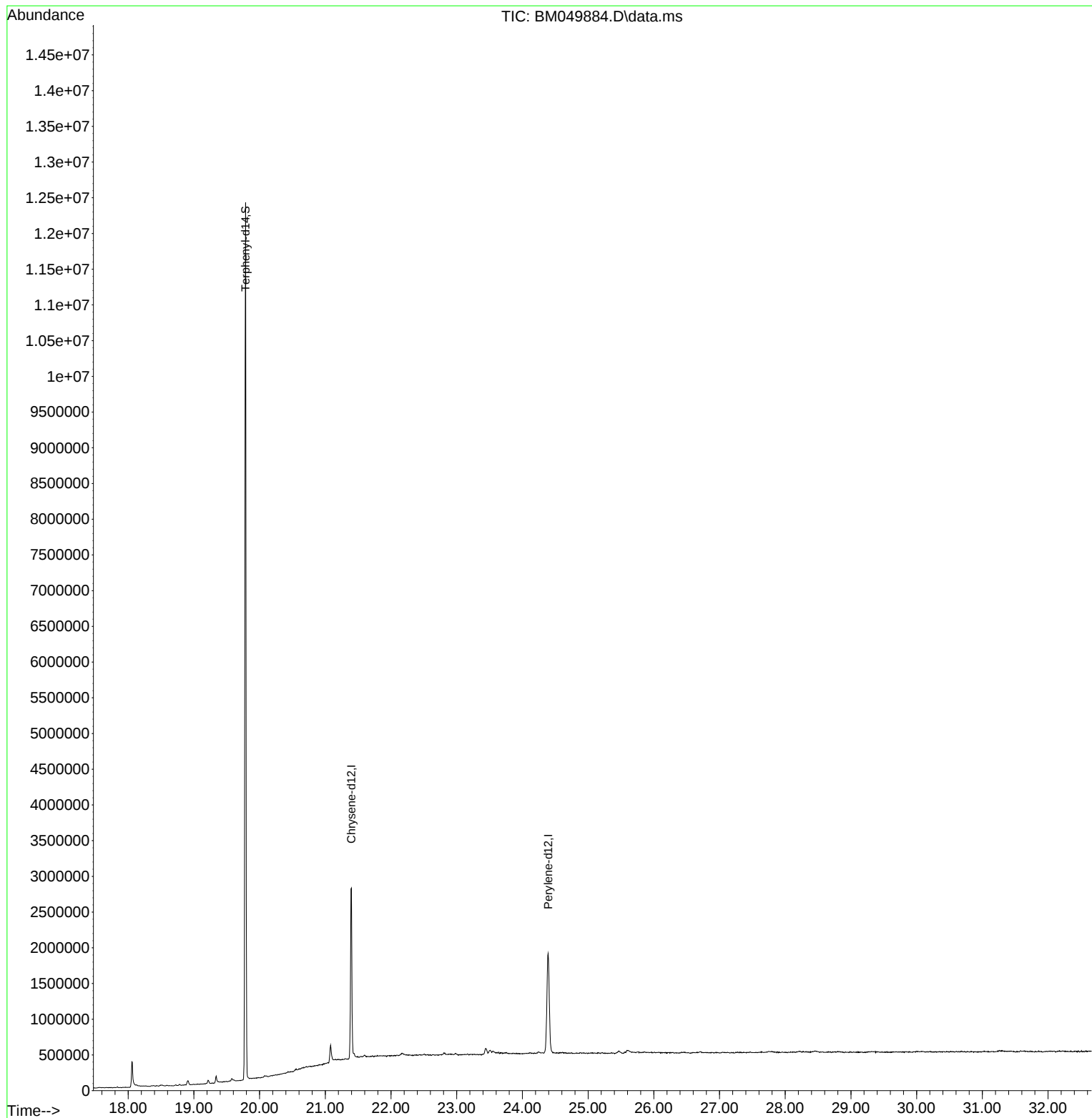
Quant Time: Apr 10 15:23:49 2025
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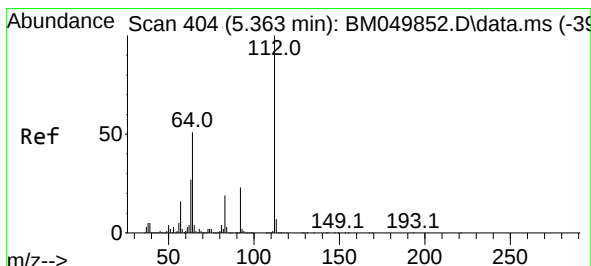
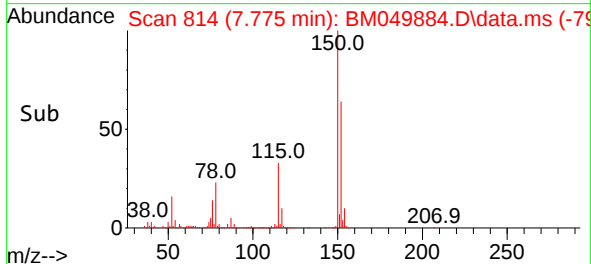
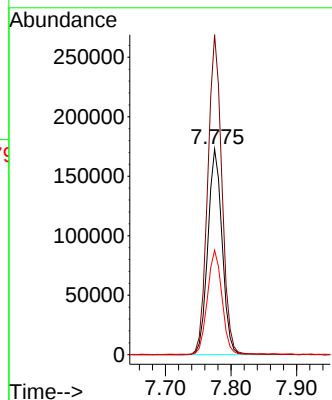
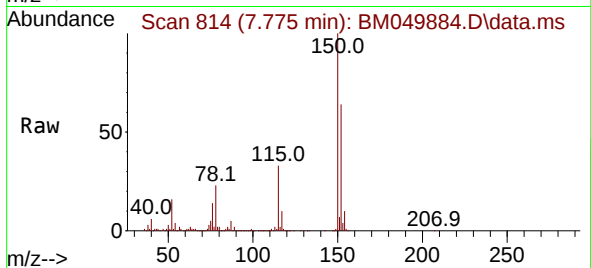




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 815
Delta R.T. -0.006 min
Lab File: BM049884.D
Acq: 10 Apr 2025 14:49

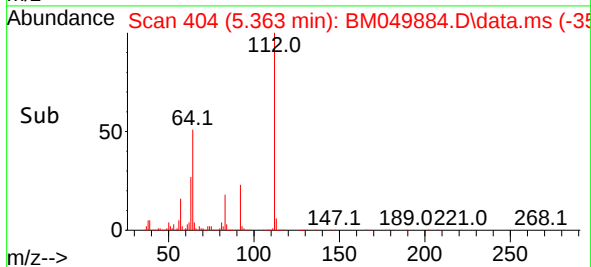
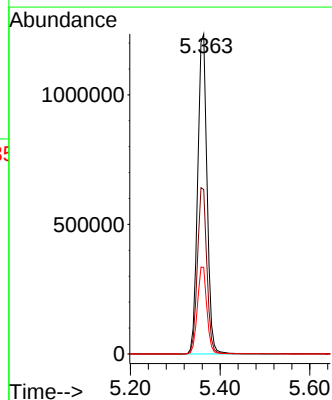
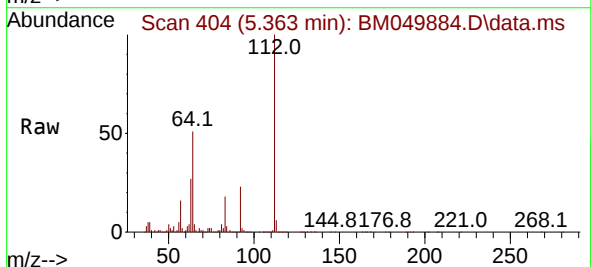
Instrument :
BNA_M
ClientSampleId :
TP-1

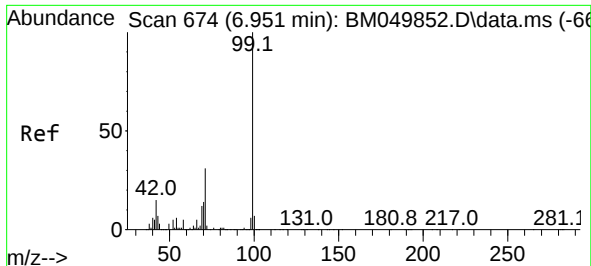
Tgt Ion:152 Resp: 262490
Ion Ratio Lower Upper
152 100
150 155.7 124.3 186.5
115 50.8 41.1 61.7



#5
2-Fluorophenol
Concen: 115.645 ng
RT: 5.363 min Scan# 404
Delta R.T. 0.000 min
Lab File: BM049884.D
Acq: 10 Apr 2025 14:49

Tgt Ion:112 Resp: 1787646
Ion Ratio Lower Upper
112 100
64 51.4 41.0 61.6
63 27.0 21.5 32.3



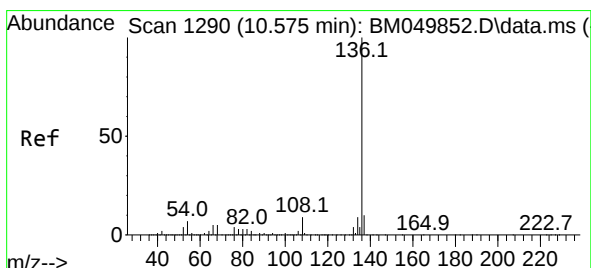
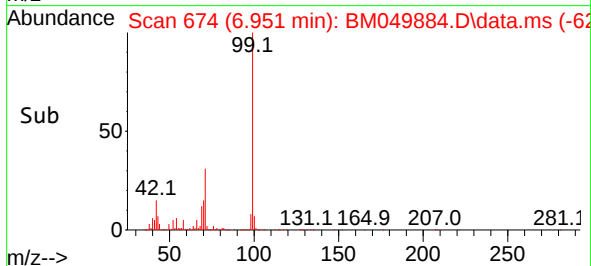
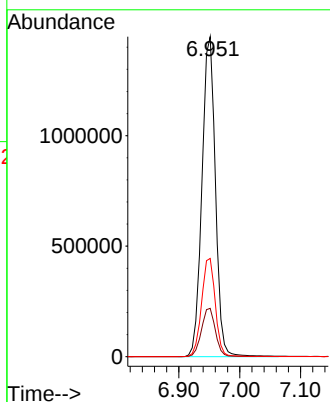
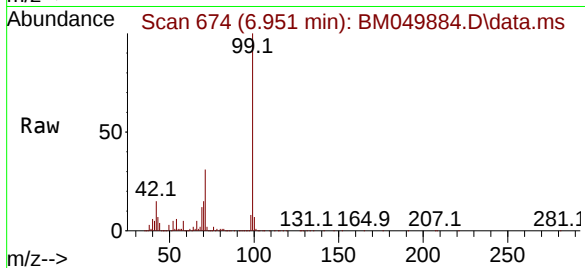


#7
Phenol-d6
Concen: 115.881 ng
RT: 6.951 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049884.D
Acq: 10 Apr 2025 14:49

Instrument :
BNA_M
ClientSampleId :
TP-1

Tgt Ion: 99 Resp: 2228701

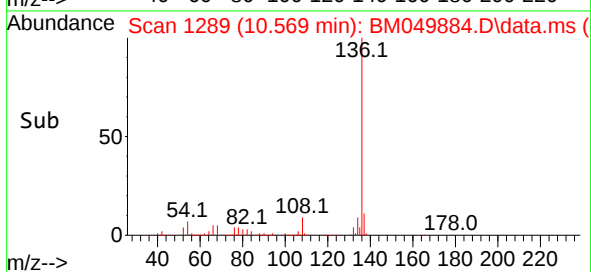
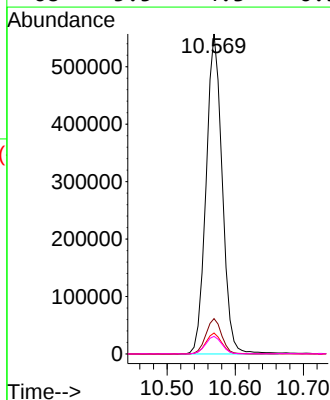
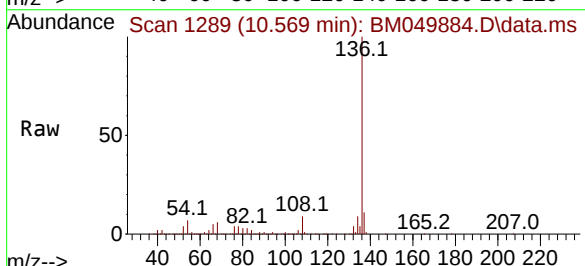
Ion	Ratio	Lower	Upper
99	100		
42	15.1	12.1	18.1
71	30.7	24.9	37.3

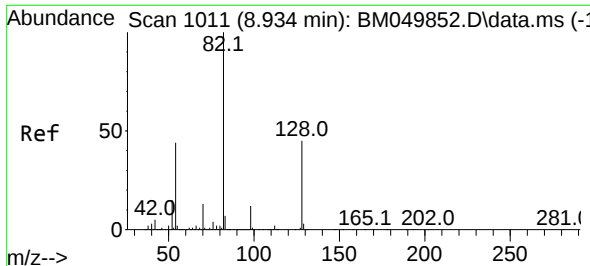


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BM049884.D
Acq: 10 Apr 2025 14:49

Tgt Ion: 136 Resp: 916410

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	6.6	5.3	7.9
68	5.5	4.3	6.5

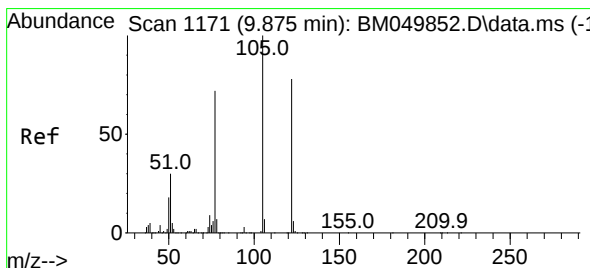
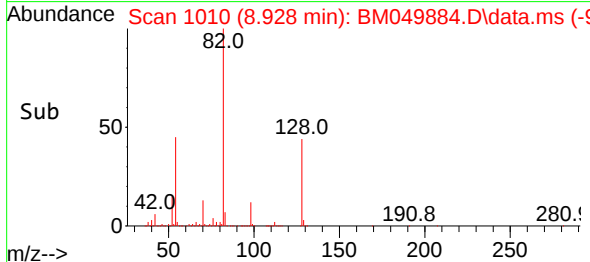
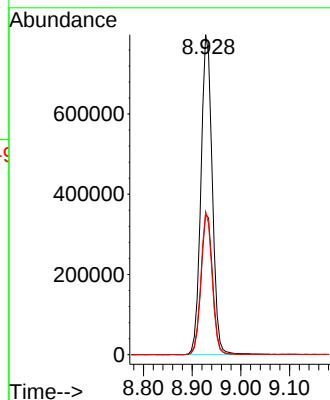
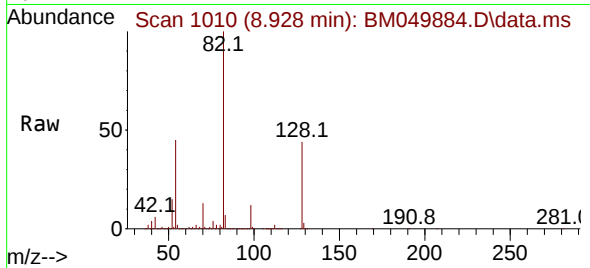




#23
Nitrobenzene-d5
Concen: 78.592 ng
RT: 8.928 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BM049884.D
Acq: 10 Apr 2025 14:49

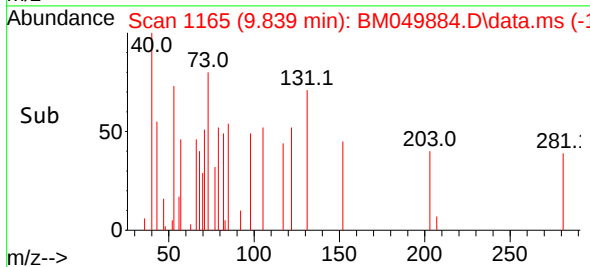
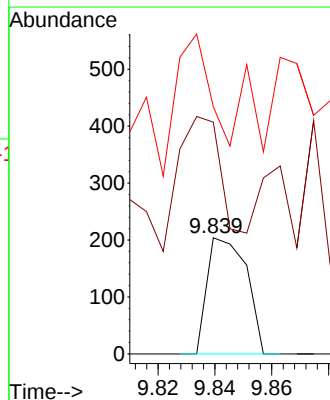
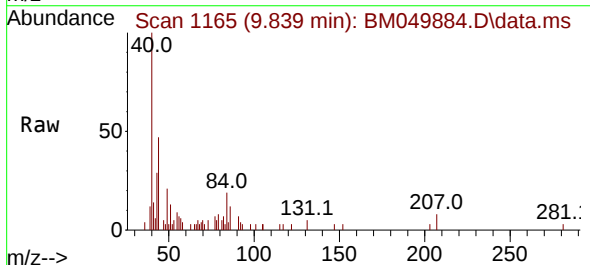
Instrument :
BNA_M
ClientSampleId :
TP-1

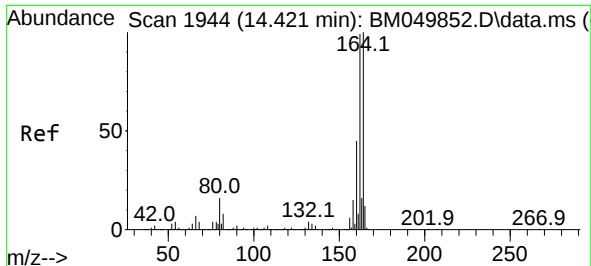
Tgt Ion: 82 Resp: 1293382
Ion Ratio Lower Upper
82 100
128 44.0 36.2 54.2
54 44.6 35.0 52.6



#32
Benzoic acid
Concen: 8.552 ng
RT: 9.839 min Scan# 1165
Delta R.T. -0.036 min
Lab File: BM049884.D
Acq: 10 Apr 2025 14:49

Tgt Ion:122 Resp: 195
Ion Ratio Lower Upper
122 100
105 199.5 103.8 143.8#
77 212.7 70.7 110.7#

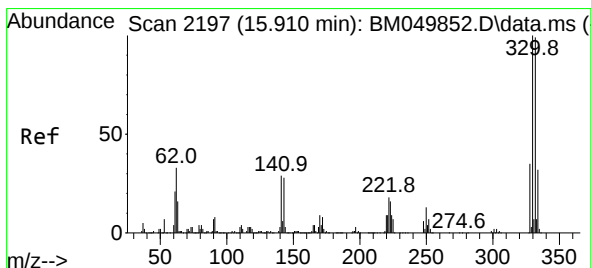
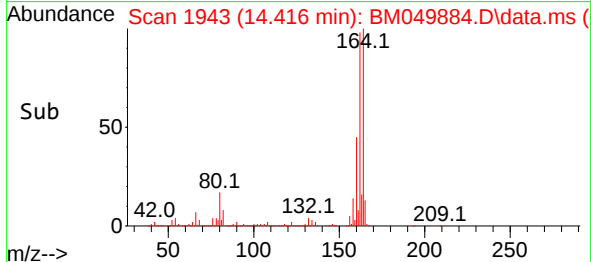
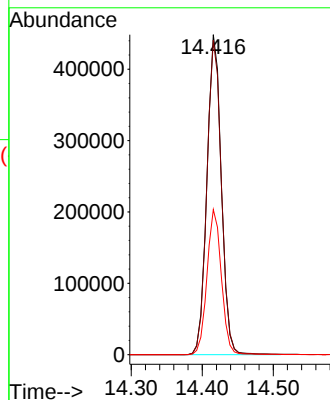
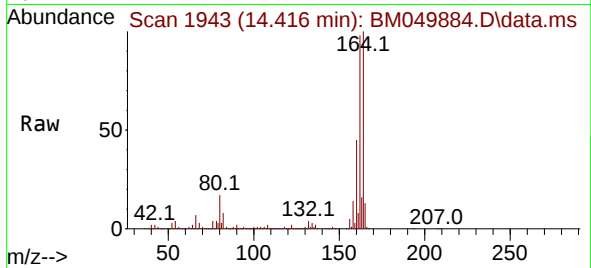




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM049884.D
Acq: 10 Apr 2025 14:49

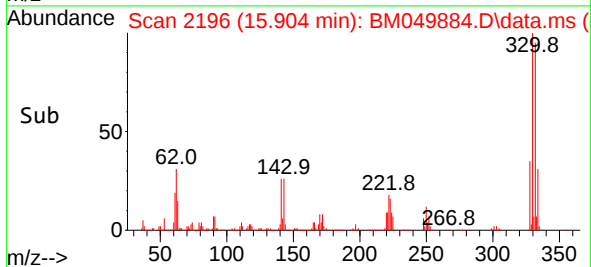
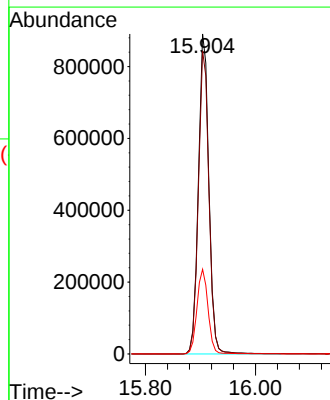
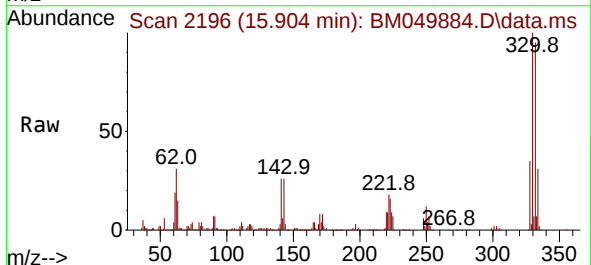
Instrument :
BNA_M
ClientSampleId :
TP-1

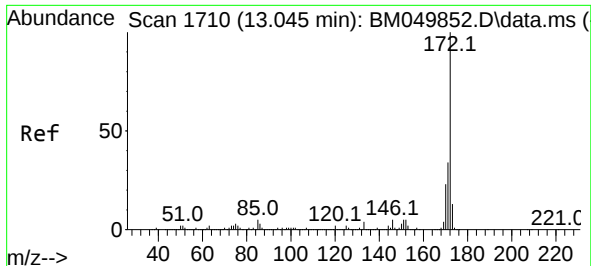
Tgt Ion:164 Resp: 632905
Ion Ratio Lower Upper
164 100
162 98.3 79.4 119.0
160 45.4 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 128.472 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM049884.D
Acq: 10 Apr 2025 14:49

Tgt Ion:330 Resp: 1182695
Ion Ratio Lower Upper
330 100
332 95.2 78.0 117.0
141 28.0 23.5 35.3

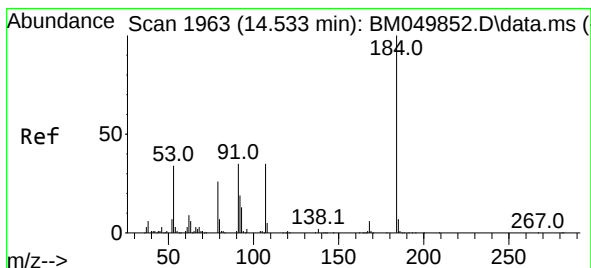
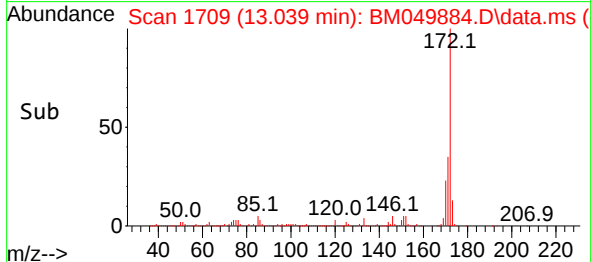
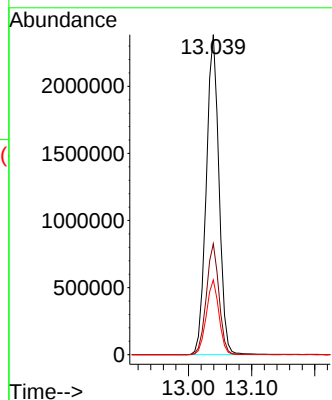
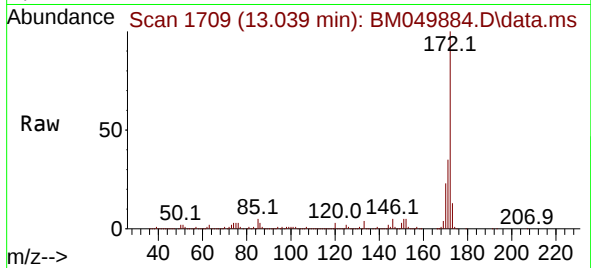




#45
2-Fluorobiphenyl
Concen: 71.300 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049884.D
Acq: 10 Apr 2025 14:49

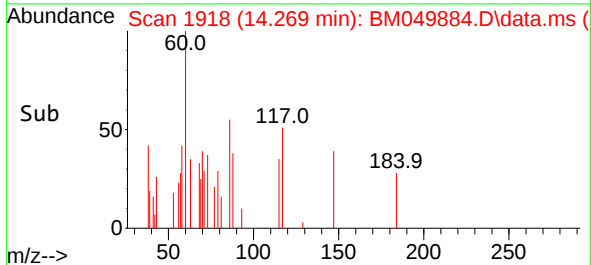
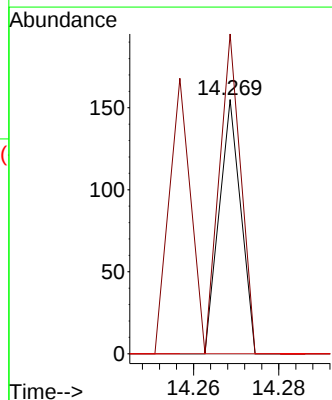
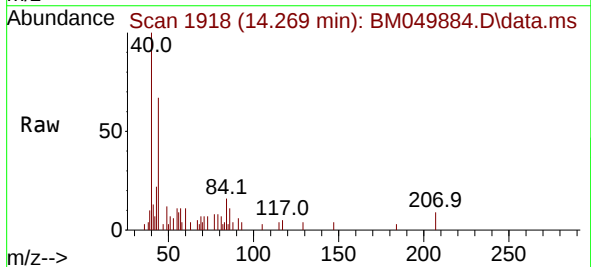
Instrument :
BNA_M
ClientSampleId :
TP-1

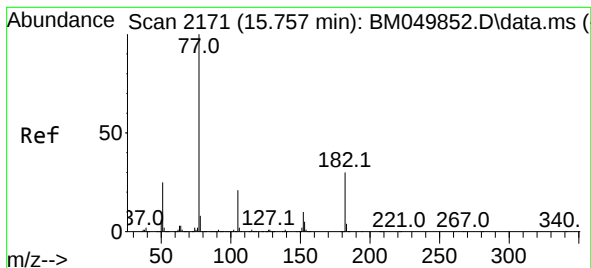
Tgt Ion:172 Resp: 3327842
Ion Ratio Lower Upper
172 100
171 34.7 27.4 41.2
170 23.4 18.6 28.0



#54
2,4-Dinitrophenol
Concen: 7.232 ng
RT: 14.269 min Scan# 1918
Delta R.T. -0.264 min
Lab File: BM049884.D
Acq: 10 Apr 2025 14:49

Tgt Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 125.8 38.4 57.6#
154 0.0 48.1 72.1#





#63

Azobenzene

Concen: 9.093 ng

RT: 15.774 min Scan# 21

Delta R.T. 0.018 min

Lab File: BM049884.D

Acq: 10 Apr 2025 14:49

Instrument :

BNA_M

ClientSampleId :

TP-1

Tgt Ion: 77 Resp: 333349

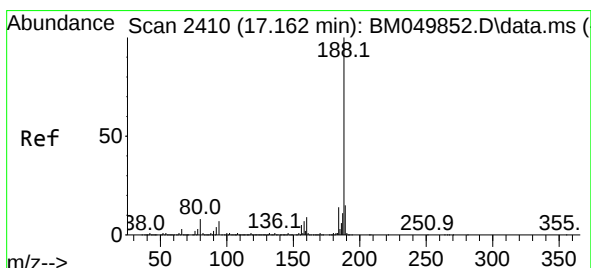
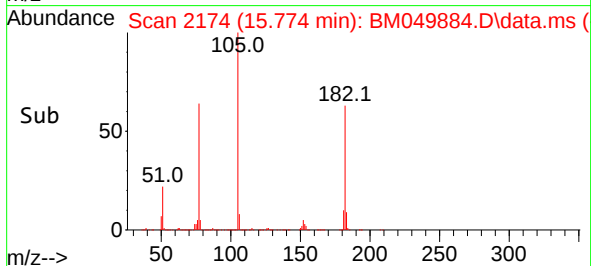
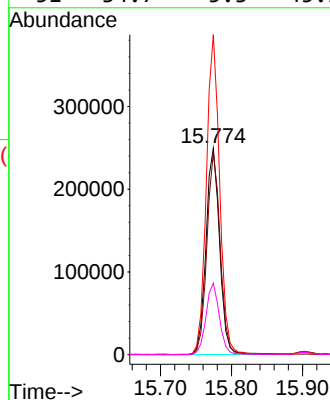
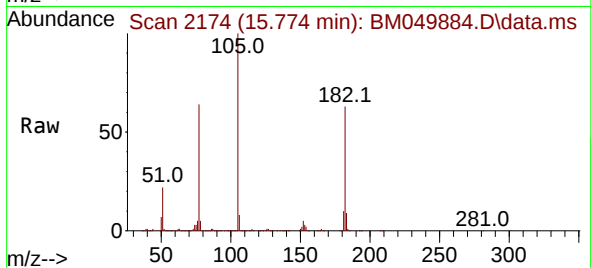
Ion Ratio Lower Upper

77 100

182 98.0 10.4 50.4#

105 155.1 1.5 41.5#

51 34.7 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: BM049884.D

Acq: 10 Apr 2025 14:49

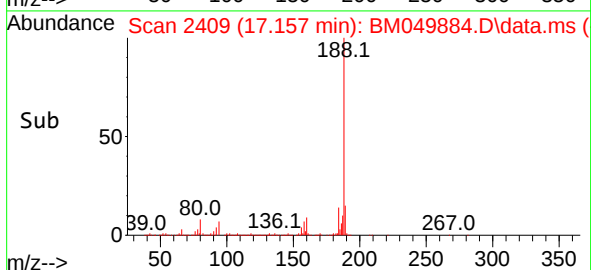
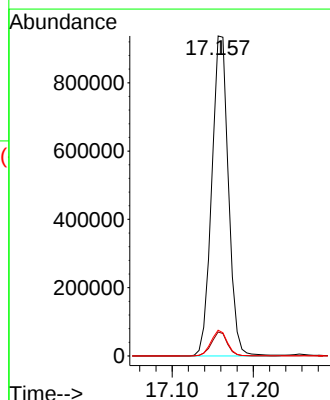
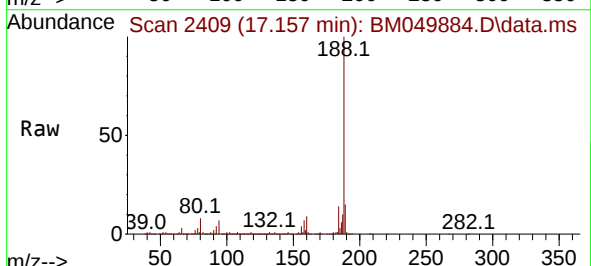
Tgt Ion:188 Resp: 1337922

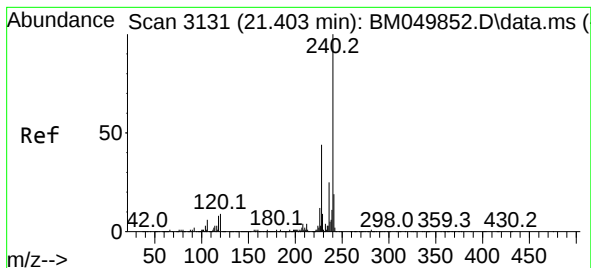
Ion Ratio Lower Upper

188 100

94 7.5 5.8 8.6

80 8.1 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: BM049884.D

Acq: 10 Apr 2025 14:49

Instrument :

BNA_M

ClientSampleId :

TP-1

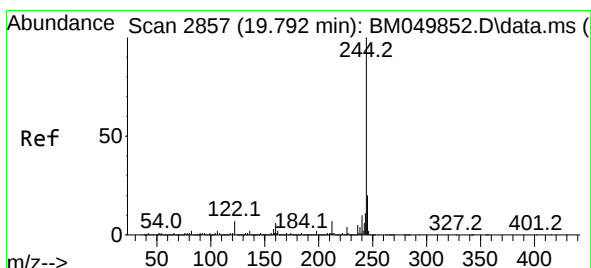
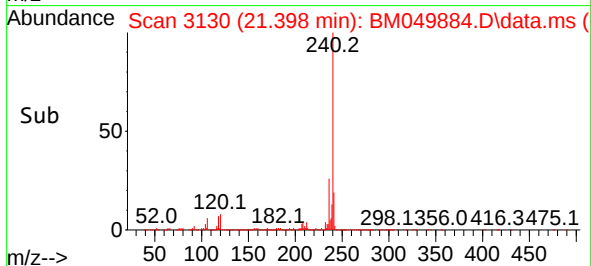
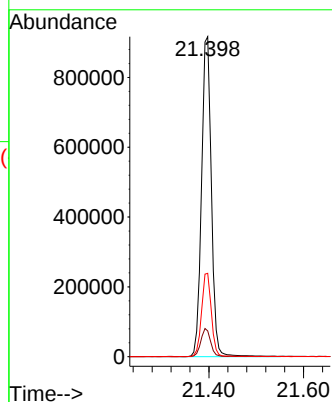
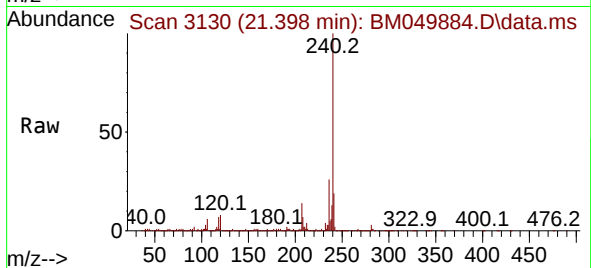
Tgt Ion:240 Resp: 1315299

Ion Ratio Lower Upper

240 100

120 8.1 6.9 10.3

236 26.1 20.4 30.6



#79

Terphenyl-d14

Concen: 79.991 ng

RT: 19.786 min Scan# 2856

Delta R.T. -0.006 min

Lab File: BM049884.D

Acq: 10 Apr 2025 14:49

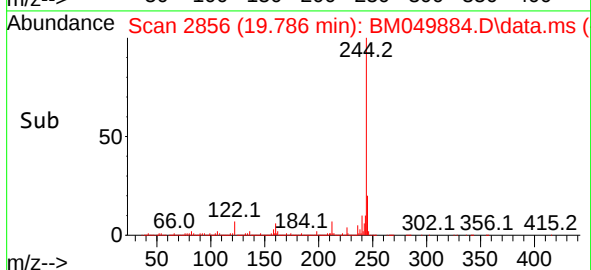
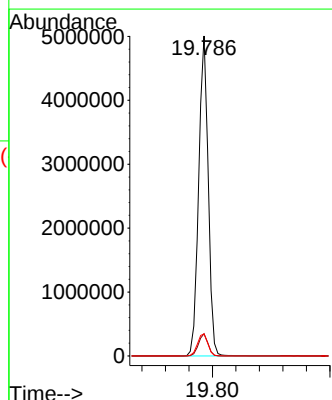
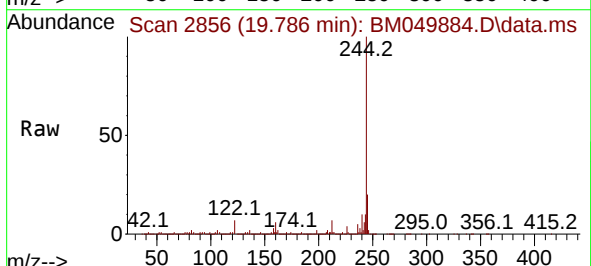
Tgt Ion:244 Resp: 5614182

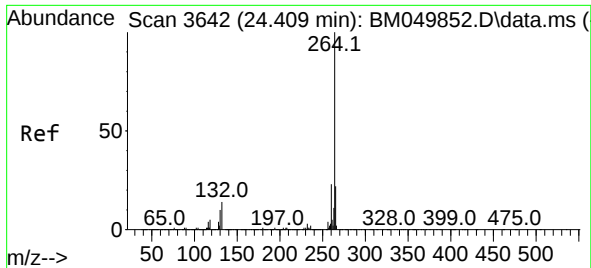
Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 6.9 5.4 8.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.391 min Scan# 30
 Delta R.T. -0.018 min
 Lab File: BM049884.D
 Acq: 10 Apr 2025 14:49

Instrument :
 BNA_M
 ClientSampleId :
 TP-1

Tgt Ion:264 Resp: 1391377
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.6 28.0
 265 22.2 17.8 26.8

