

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041525\
 Data File : BM049931.D
 Acq On : 15 Apr 2025 12:37
 Operator : RC/JU
 Sample : Q1781-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-11

Quant Time: Apr 15 13:13:20 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)

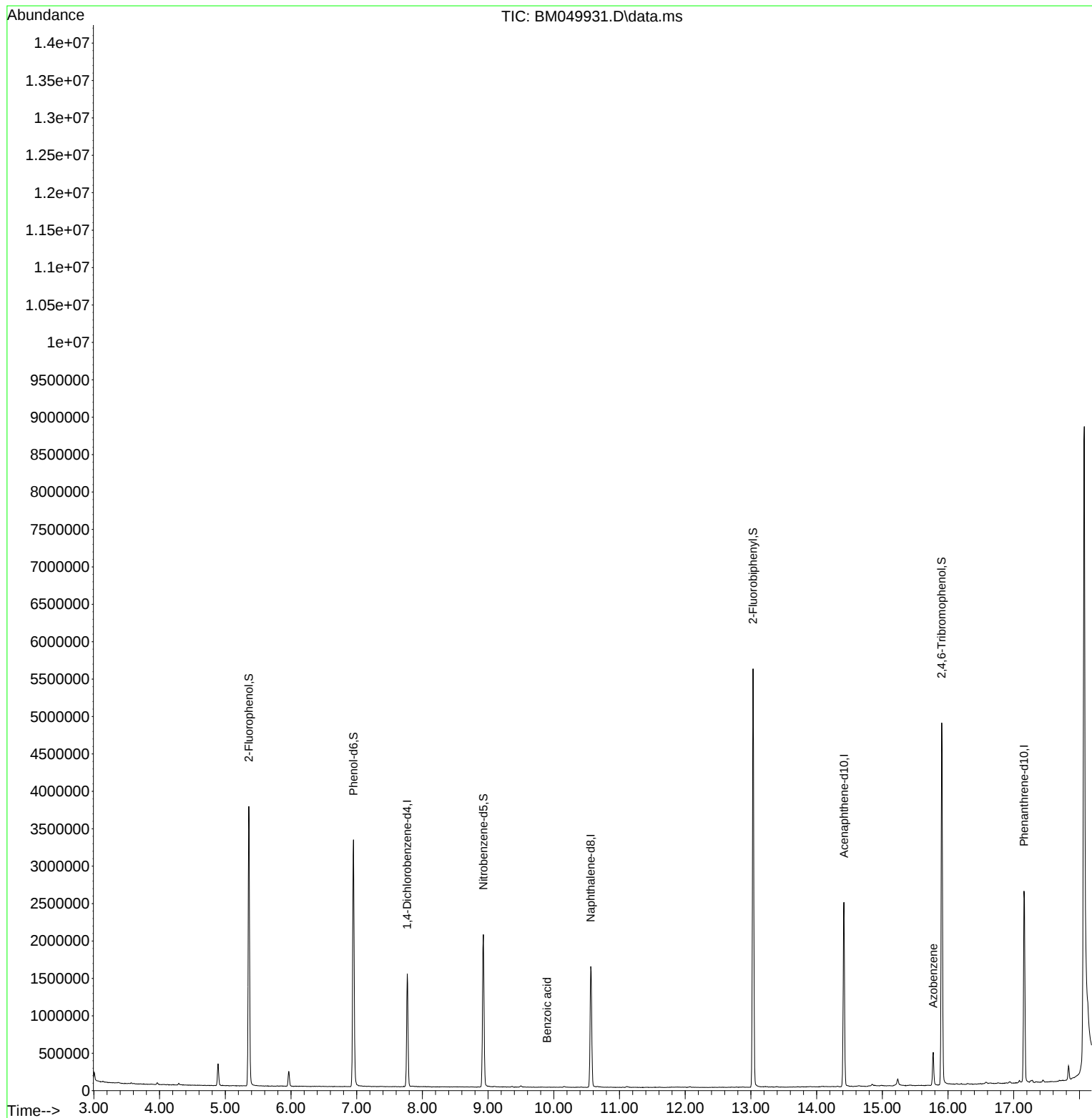
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	425671	20.000	ng	-0.01
21) Naphthalene-d8	10.563	136	1429073	20.000	ng	-0.01
39) Acenaphthene-d10	14.416	164	898196	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1630696	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1420520	20.000	ng	0.00
86) Perylene-d12	24.403	264	1628821	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1704695	68.003	ng	0.00
7) Phenol-d6	6.951	99	2000048	64.127	ng	0.00
23) Nitrobenzene-d5	8.928	82	1182714	46.086	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1003722	76.828	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	2970104	44.840	ng	-0.01
79) Terphenyl-d14	19.786	244	3426644	45.207	ng	0.00
Target Compounds						
32) Benzoic acid	9.898	122	221	8.548	ng	# 1
63) Azobenzene	15.774	77	110027	2.115	ng	# 1

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

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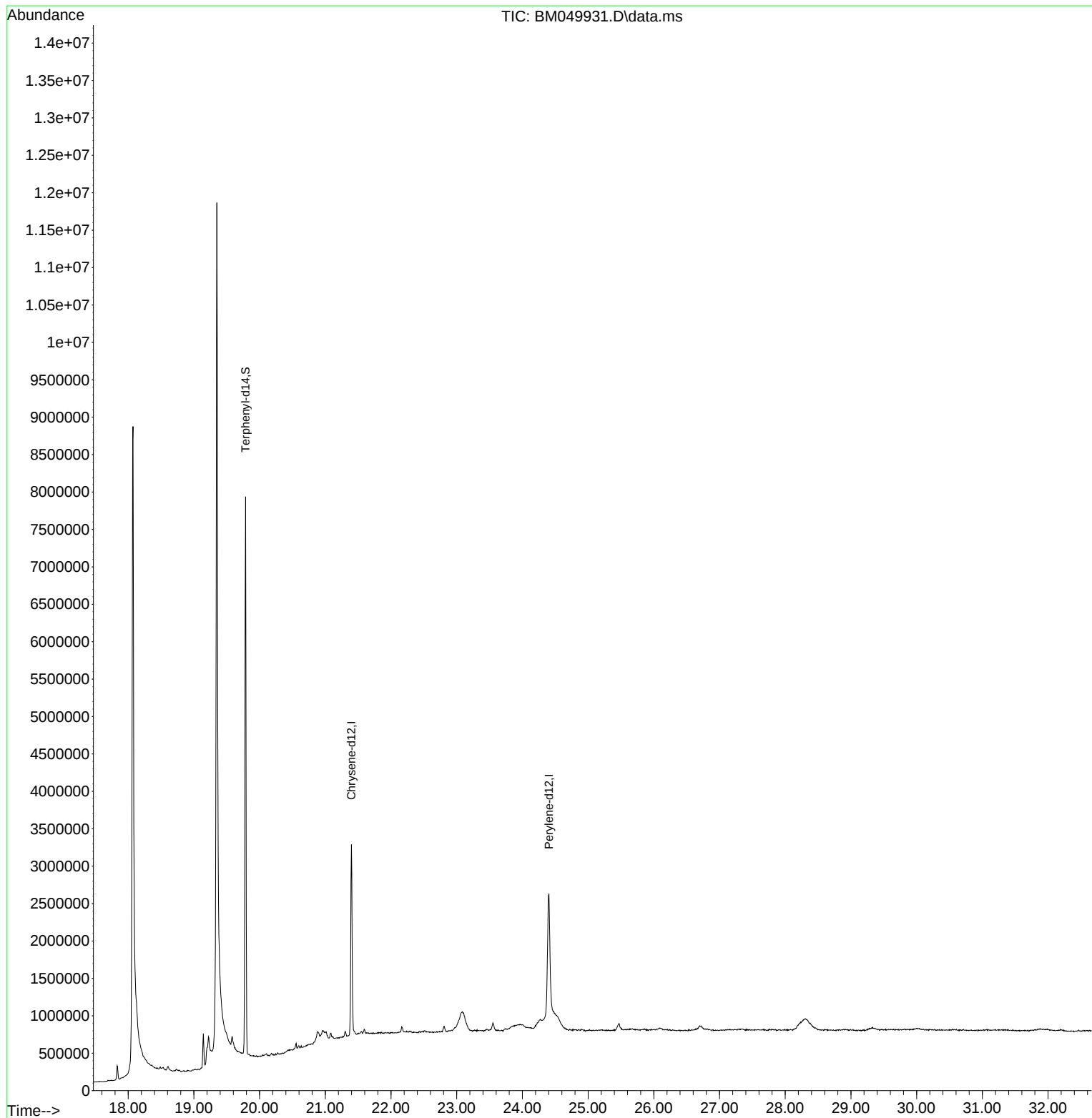
Quant Time: Apr 15 13:13:20 2025
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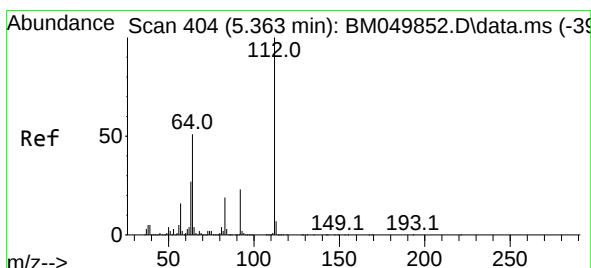
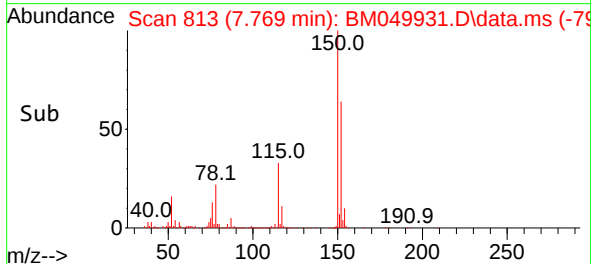
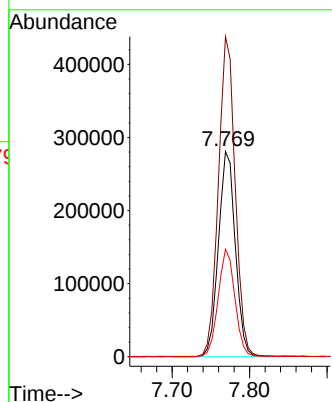
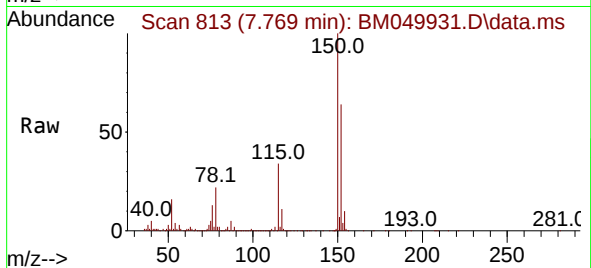




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 815
Delta R.T. -0.012 min
Lab File: BM049931.D
Acq: 15 Apr 2025 12:37

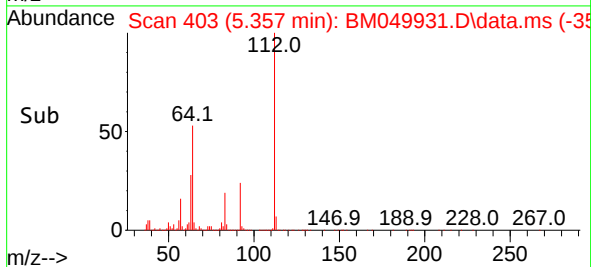
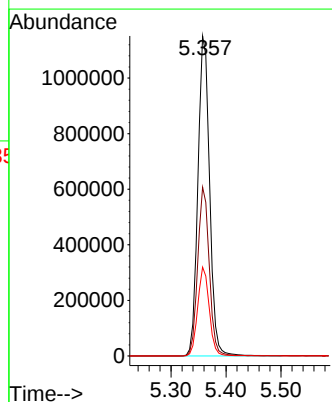
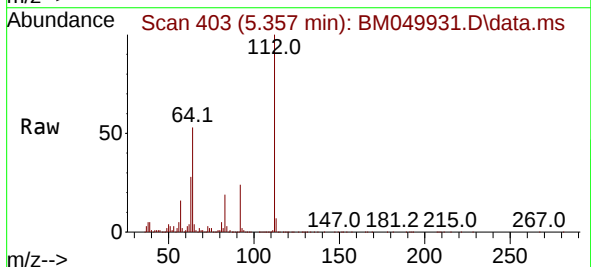
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ClientSampleId :
WC-11

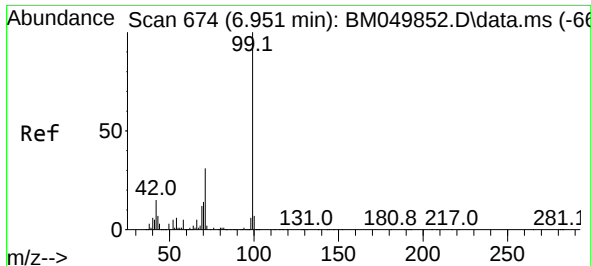
Tgt Ion:152 Resp: 425671
Ion Ratio Lower Upper
152 100
150 155.9 124.3 186.5
115 52.3 41.1 61.7



#5
2-Fluorophenol
Concen: 68.003 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.006 min
Lab File: BM049931.D
Acq: 15 Apr 2025 12:37

Tgt Ion:112 Resp: 1704695
Ion Ratio Lower Upper
112 100
64 52.7 41.0 61.6
63 27.7 21.5 32.3

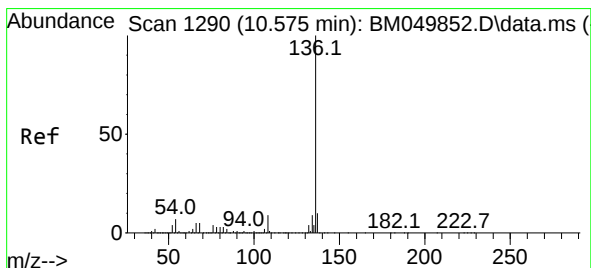
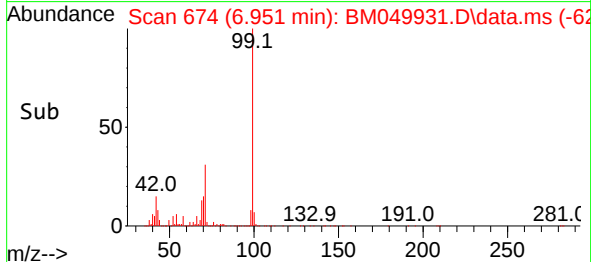
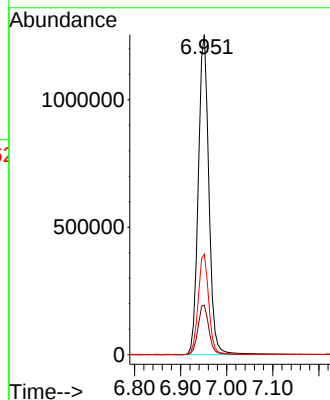
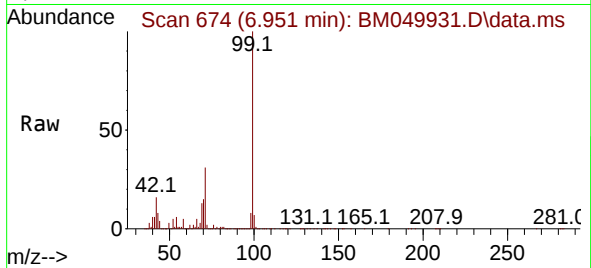




#7
Phenol-d6
Concen: 64.127 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM049931.D
Acq: 15 Apr 2025 12:37

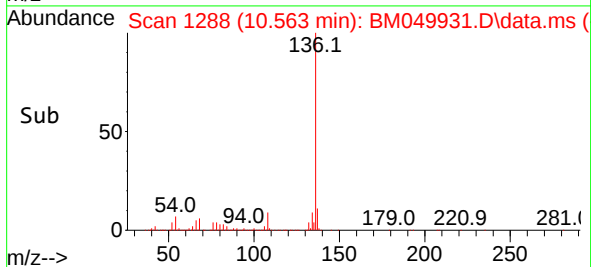
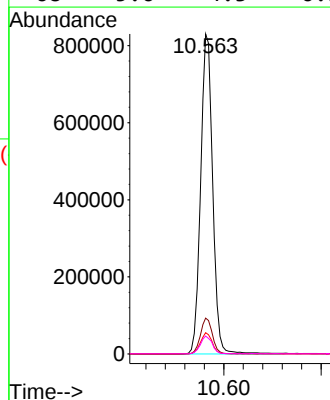
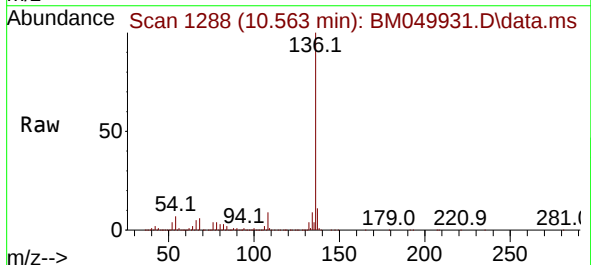
Instrument :
BNA_M
ClientSampleId :
WC-11

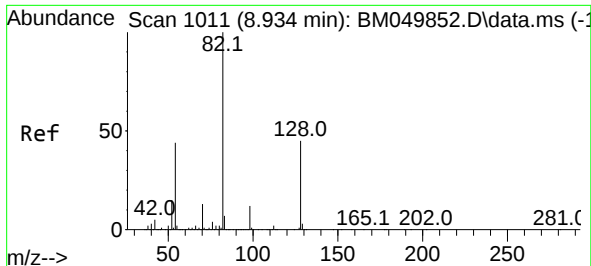
Tgt Ion: 99 Resp: 2000048
Ion Ratio Lower Upper
99 100
42 15.5 12.1 18.1
71 31.4 24.9 37.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.012 min
Lab File: BM049931.D
Acq: 15 Apr 2025 12:37

Tgt Ion: 136 Resp: 1429073
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 6.7 5.3 7.9
68 5.6 4.3 6.5

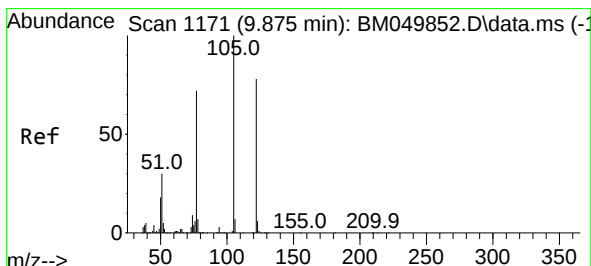
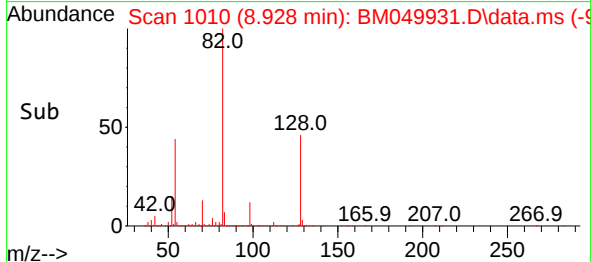
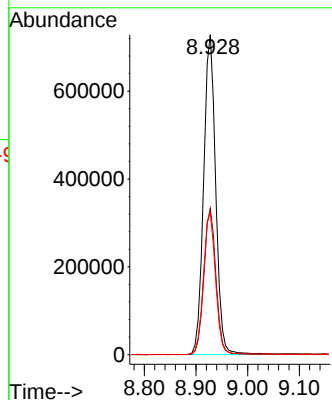
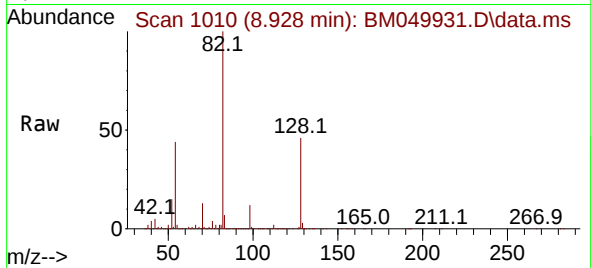




#23
Nitrobenzene-d5
Concen: 46.086 ng
RT: 8.928 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BM049931.D
Acq: 15 Apr 2025 12:37

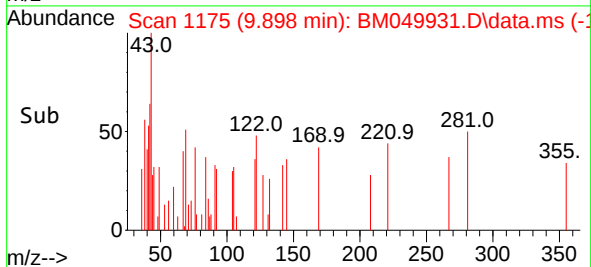
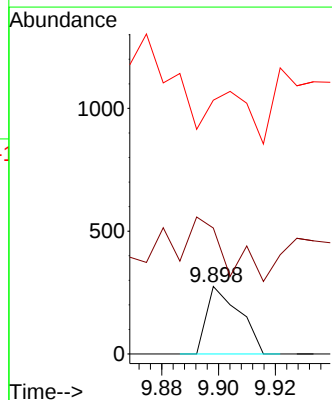
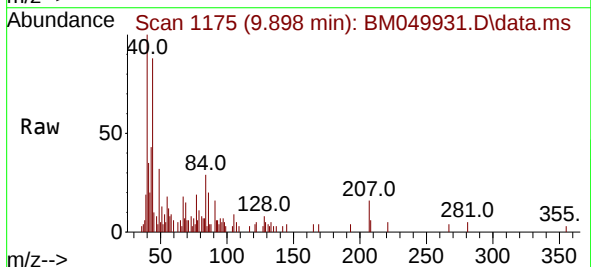
Instrument :
BNA_M
ClientSampleId :
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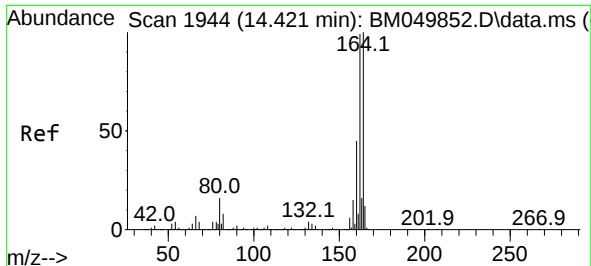
Tgt Ion: 82 Resp: 1182714
Ion Ratio Lower Upper
82 100
128 45.7 36.2 54.2
54 44.3 35.0 52.6



#32
Benzoic acid
Concen: 8.548 ng
RT: 9.898 min Scan# 1175
Delta R.T. 0.023 min
Lab File: BM049931.D
Acq: 15 Apr 2025 12:37

Tgt Ion:122 Resp: 221
Ion Ratio Lower Upper
122 100
105 186.5 103.8 143.8#
77 375.6 70.7 110.7#

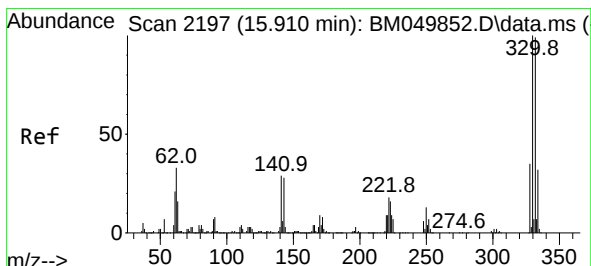
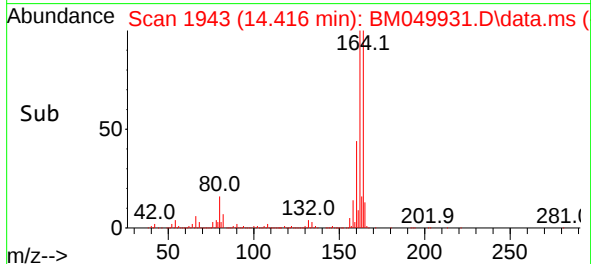
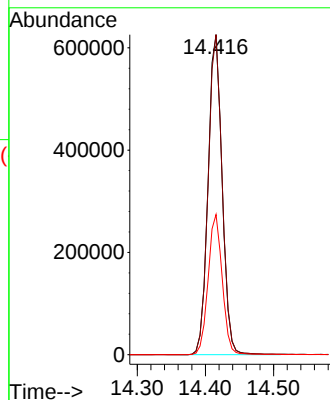
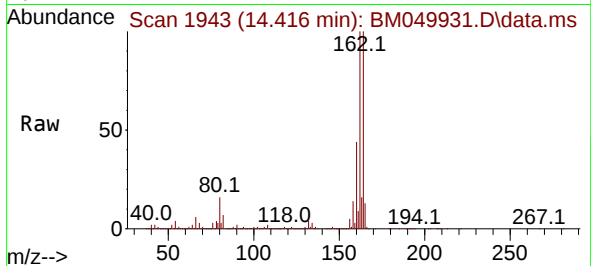




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM049931.D
Acq: 15 Apr 2025 12:37

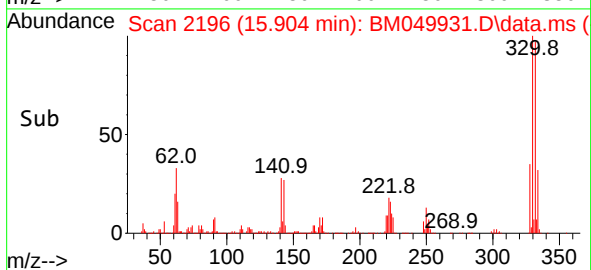
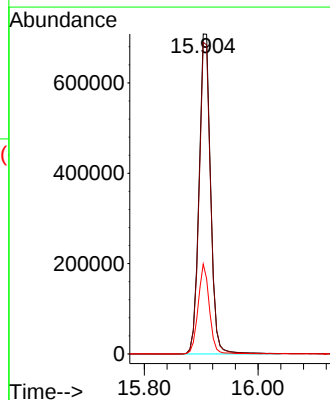
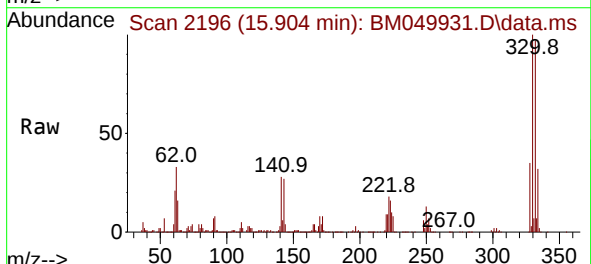
Instrument :
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ClientSampleId :
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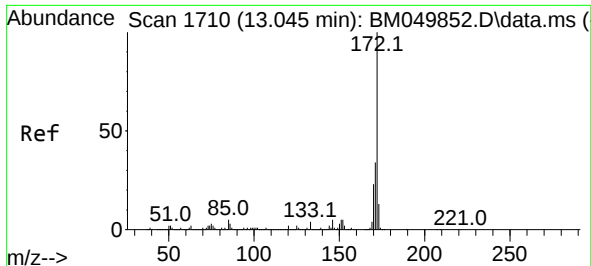
Tgt Ion:164 Resp: 898196
Ion Ratio Lower Upper
164 100
162 100.0 79.4 119.0
160 43.8 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 76.828 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM049931.D
Acq: 15 Apr 2025 12:37

Tgt Ion:330 Resp: 1003722
Ion Ratio Lower Upper
330 100
332 96.9 78.0 117.0
141 27.2 23.5 35.3

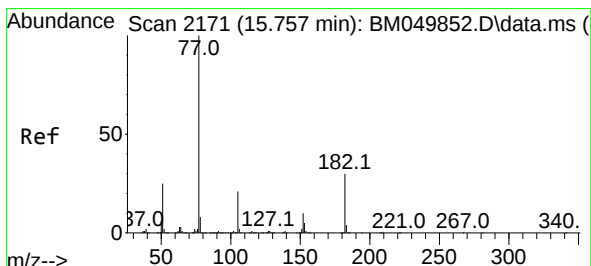
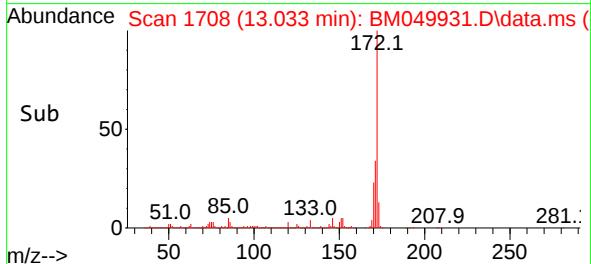
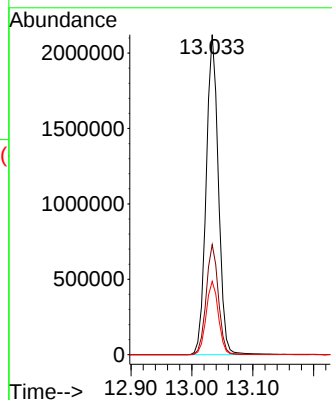
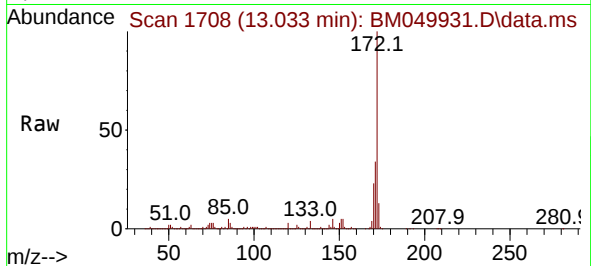




#45
2-Fluorobiphenyl
Concen: 44.840 ng
RT: 13.033 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM049931.D
Acq: 15 Apr 2025 12:37

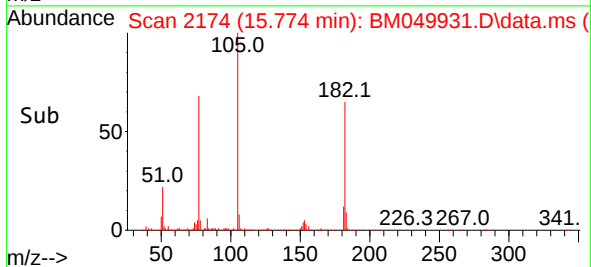
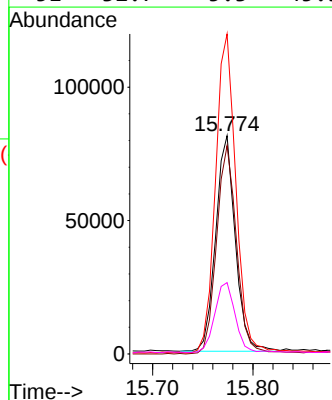
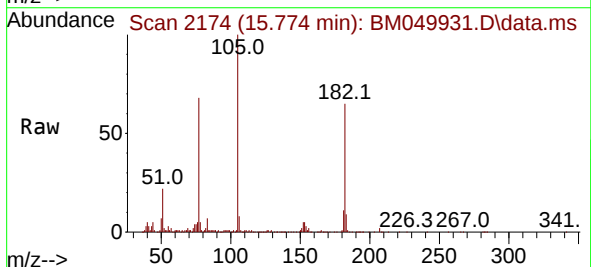
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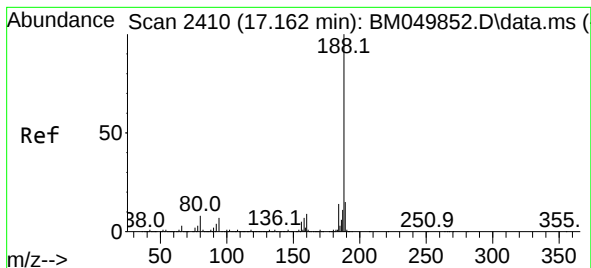
Tgt Ion:172 Resp: 2970104
Ion Ratio Lower Upper
172 100
171 34.4 27.4 41.2
170 22.9 18.6 28.0



#63
Azobenzene
Concen: 2.115 ng
RT: 15.774 min Scan# 2174
Delta R.T. 0.018 min
Lab File: BM049931.D
Acq: 15 Apr 2025 12:37

Tgt Ion: 77 Resp: 110027
Ion Ratio Lower Upper
77 100
182 95.5 10.4 50.4#
105 146.7 1.5 41.5#
51 32.7 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: BM049931.D

Acq: 15 Apr 2025 12:37

Instrument :

BNA_M

ClientSampleId :

WC-11

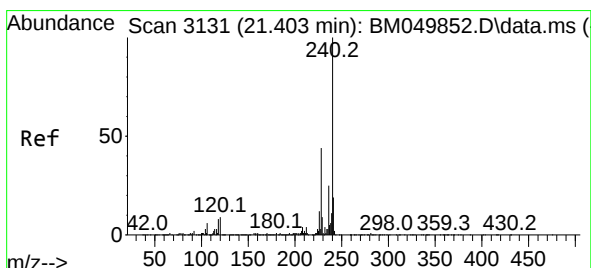
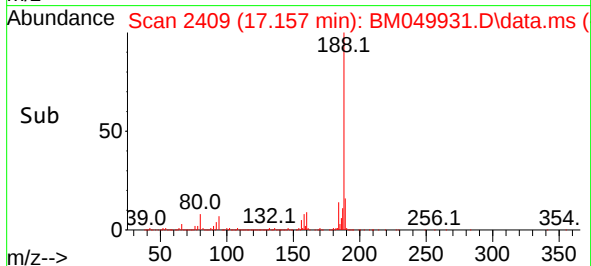
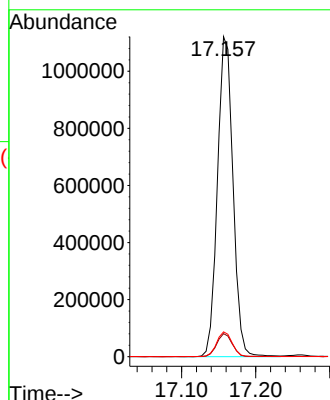
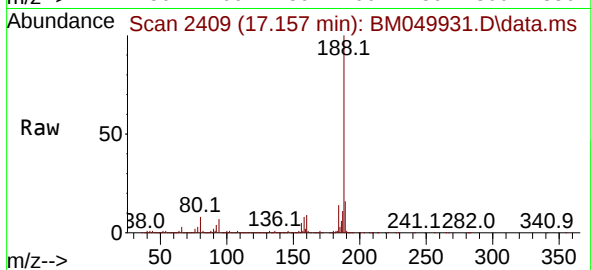
Tgt Ion:188 Resp: 1630696

Ion Ratio Lower Upper

188 100

94 7.2 5.8 8.6

80 7.8 6.4 9.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.397 min Scan# 3130

Delta R.T. -0.006 min

Lab File: BM049931.D

Acq: 15 Apr 2025 12:37

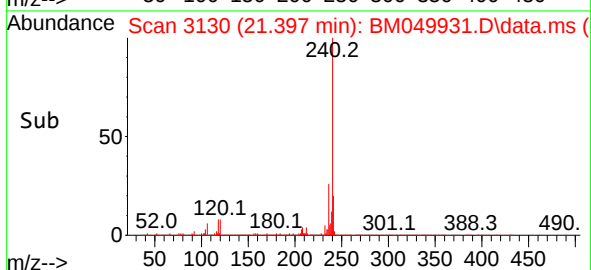
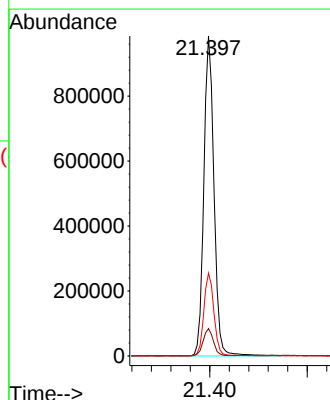
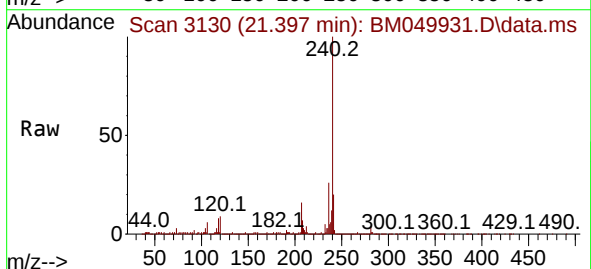
Tgt Ion:240 Resp: 1420520

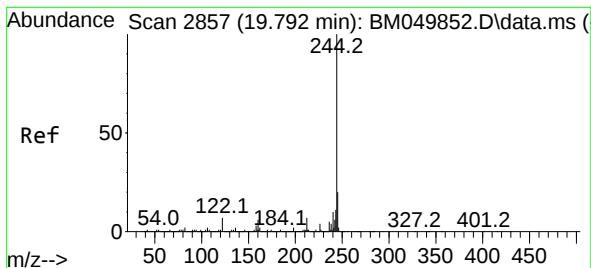
Ion Ratio Lower Upper

240 100

120 8.5 6.9 10.3

236 25.9 20.4 30.6





#79

Terphenyl-d14

Concen: 45.207 ng

RT: 19.786 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049931.D

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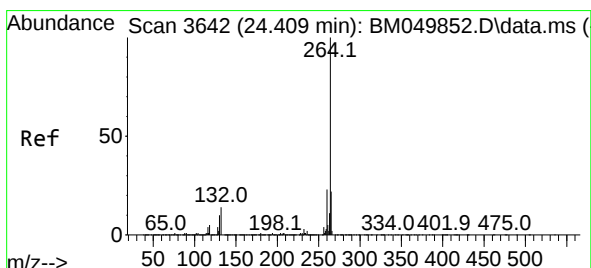
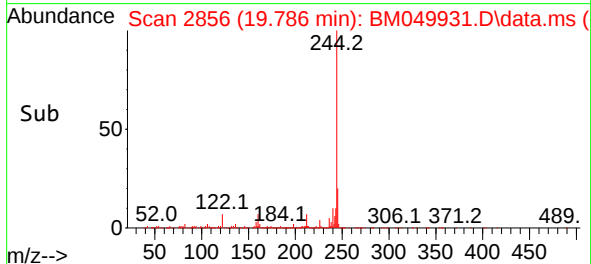
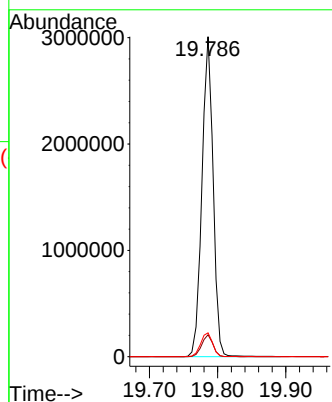
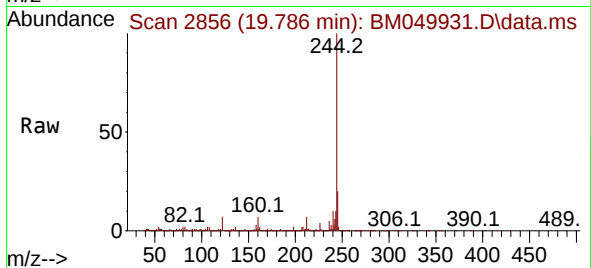
Tgt Ion:244 Resp: 3426644

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 7.5 5.4 8.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.403 min Scan# 3641

Delta R.T. -0.006 min

Lab File: BM049931.D

Acq: 15 Apr 2025 12:37

Tgt Ion:264 Resp: 1628821

Ion Ratio Lower Upper

264 100

260 24.2 18.6 28.0

265 21.8 17.8 26.8

