

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040225\
 Data File : BM049796.D
 Acq On : 02 Apr 2025 18:39
 Operator : RC/JU
 Sample : Q1664-07RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P001-BBDGA-001-02RE

Quant Time: Apr 03 00:48:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 13 14:55:34 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

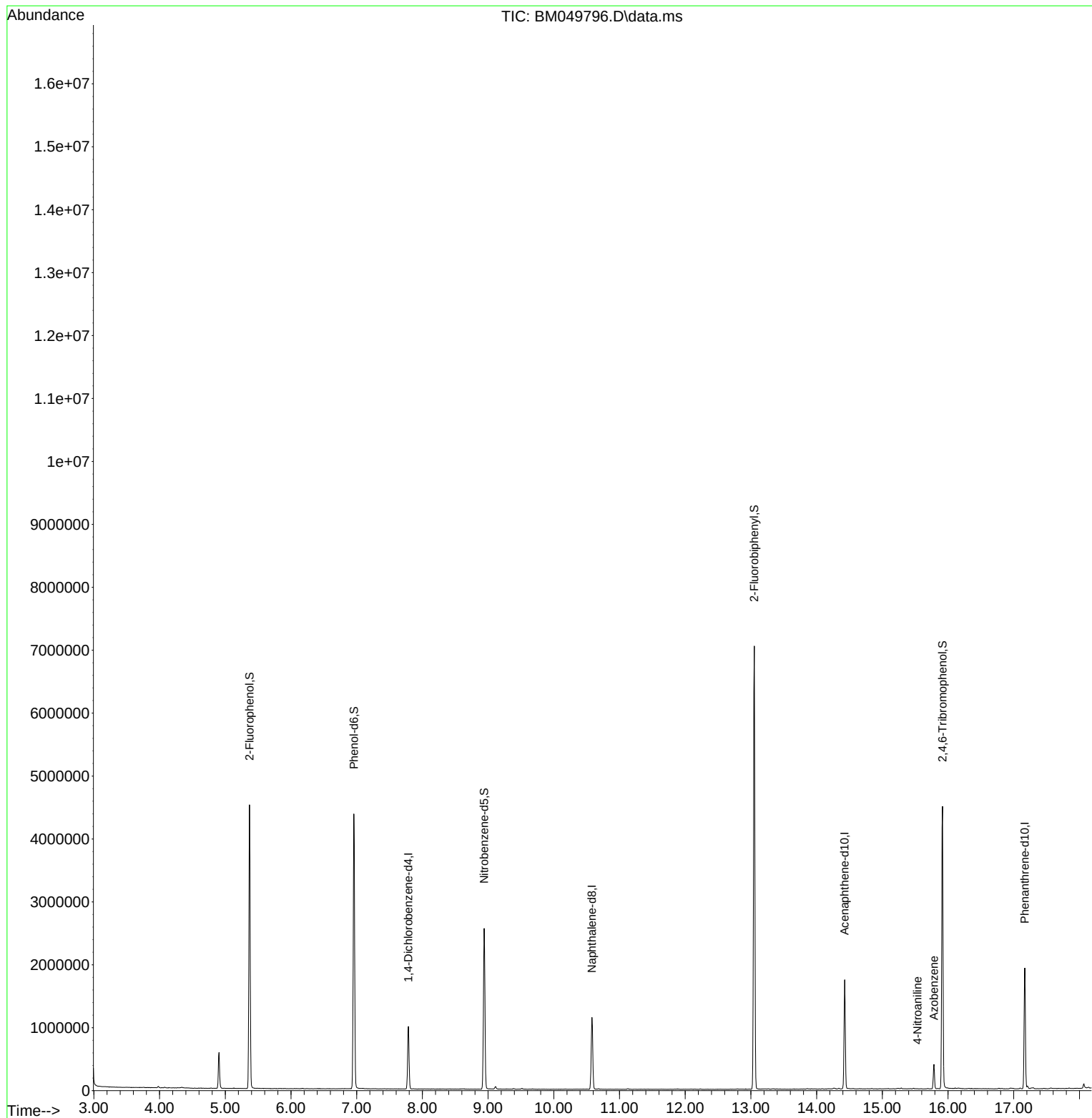
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	265752	20.000	ng	-0.02
21) Naphthalene-d8	10.580	136	914362	20.000	ng	-0.02
39) Acenaphthene-d10	14.427	164	564453	20.000	ng	-0.02
64) Phenanthrene-d10	17.168	188	1104038	20.000	ng	-0.02
76) Chrysene-d12	21.403	240	1170671	20.000	ng	-0.02
86) Perylene-d12	24.403	264	1255254	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1780092	113.022	ng	-0.02
7) Phenol-d6	6.957	99	2301308	116.432	ng	-0.02
23) Nitrobenzene-d5	8.939	82	1398966	78.552	ng	-0.02
42) 2,4,6-Tribromophenol	15.915	330	756882	114.834	ng	-0.02
45) 2-Fluorobiphenyl	13.051	172	3477117	77.148	ng	-0.02
79) Terphenyl-d14	19.792	244	5832674	83.958	ng	-0.02
Target Compounds						
62) 4-Nitroaniline	15.533	138	74	3.765	ng	# 1
63) Azobenzene	15.786	77	103358	2.956	ng	# 1

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

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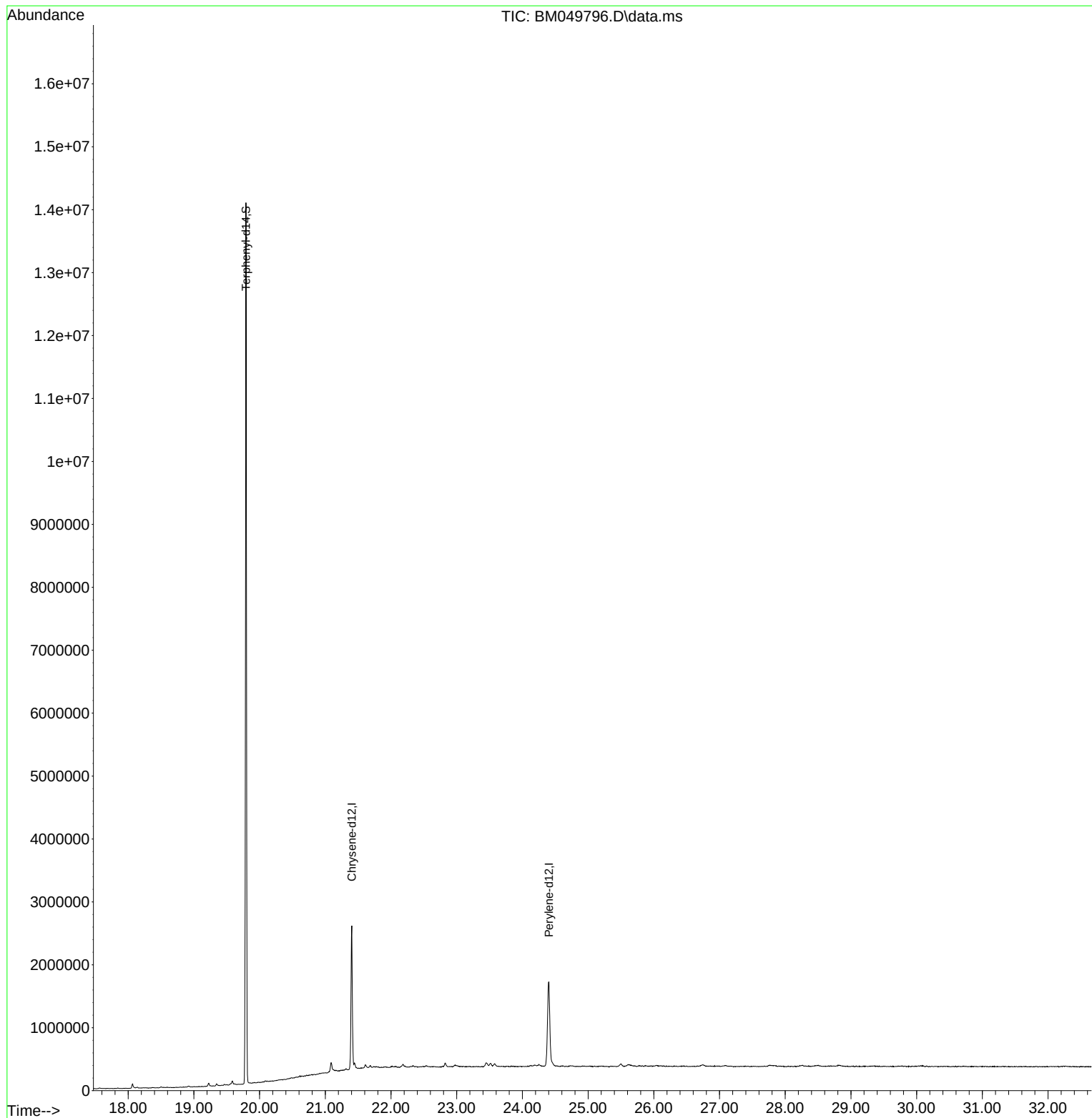
Quant Time: Apr 03 00:48:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
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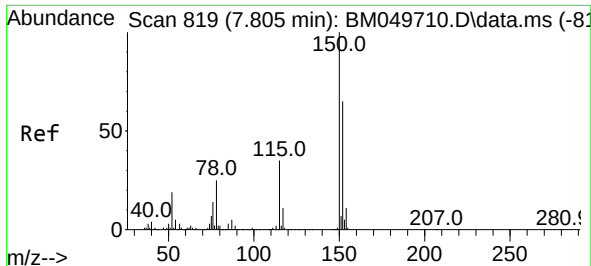


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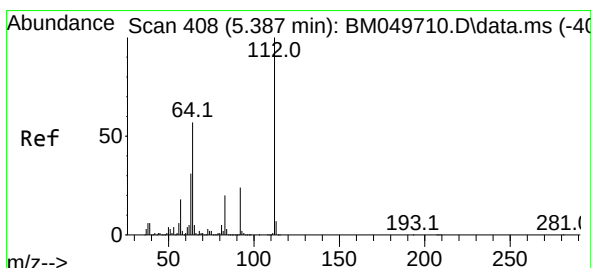
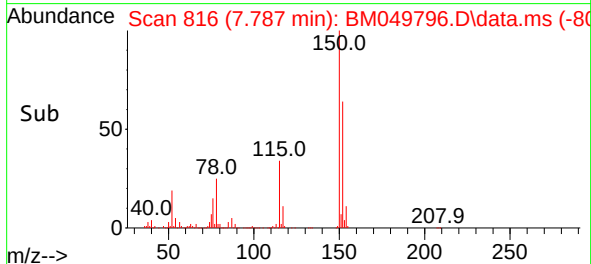
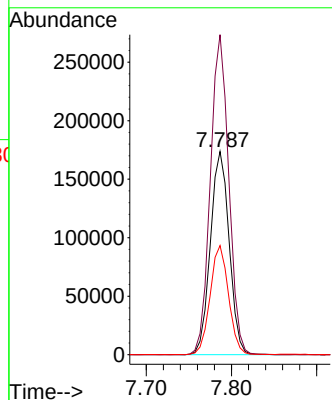
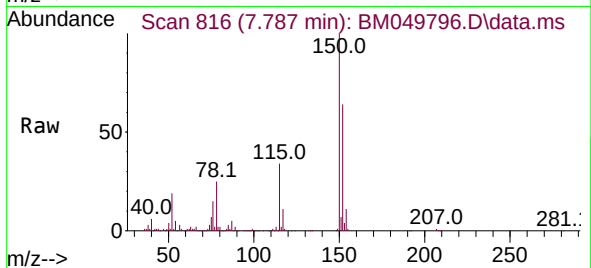




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 819
Delta R.T. -0.018 min
Lab File: BM049796.D
Acq: 02 Apr 2025 18:39

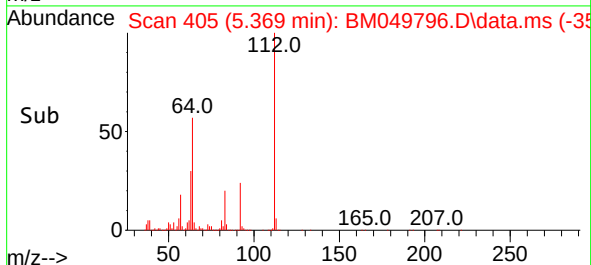
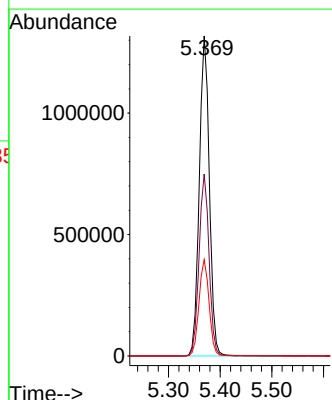
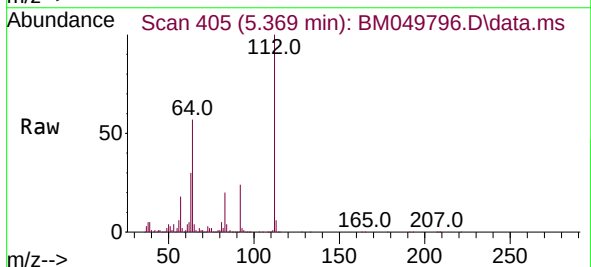
Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-02RE

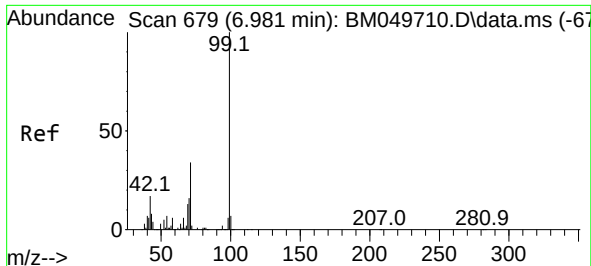
Tgt Ion:152 Resp: 265752
Ion Ratio Lower Upper
152 100
150 157.5 123.8 185.8
115 53.7 43.0 64.6



#5
2-Fluorophenol
Concen: 113.022 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.018 min
Lab File: BM049796.D
Acq: 02 Apr 2025 18:39

Tgt Ion:112 Resp: 1780092
Ion Ratio Lower Upper
112 100
64 56.9 45.3 67.9
63 30.1 24.4 36.6

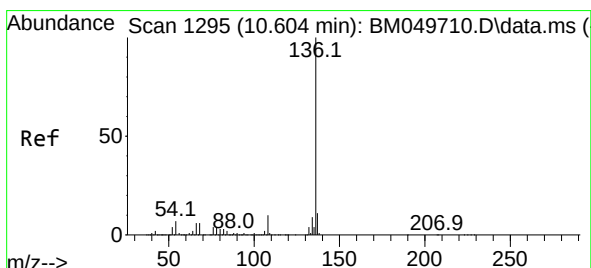
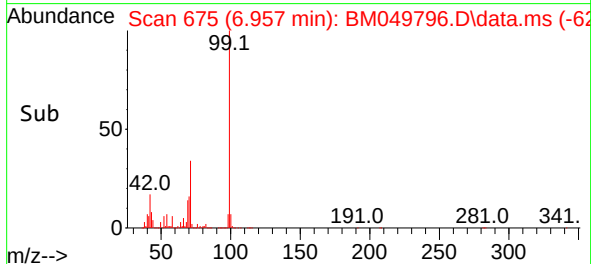
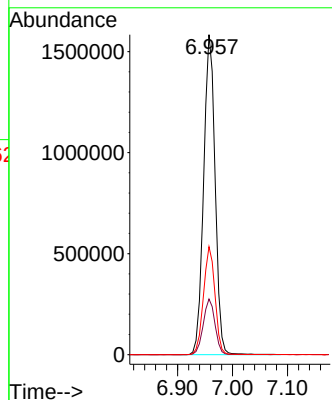
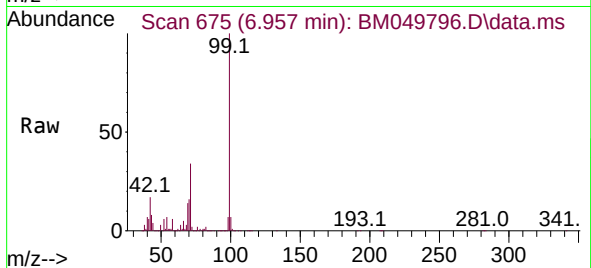




#7
Phenol-d6
Concen: 116.432 ng
RT: 6.957 min Scan# 61
Delta R.T. -0.024 min
Lab File: BM049796.D
Acq: 02 Apr 2025 18:39

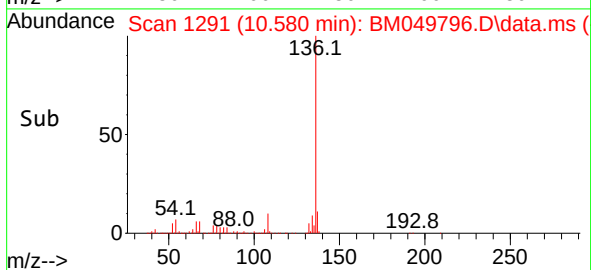
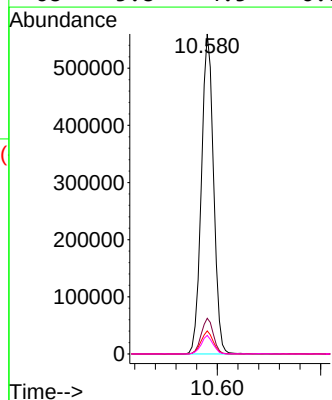
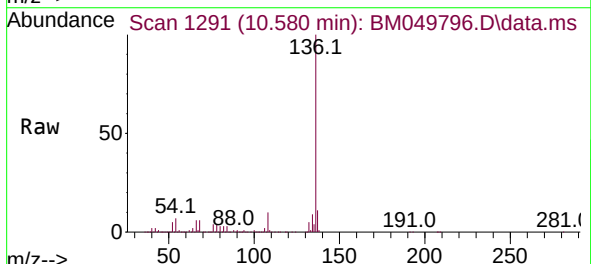
Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-02RE

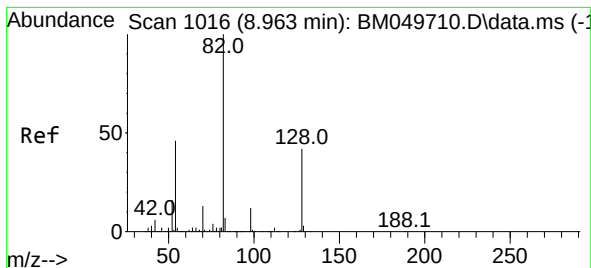
Tgt Ion: 99 Resp: 2301308
Ion Ratio Lower Upper
99 100
42 17.4 13.6 20.4
71 33.7 27.0 40.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.580 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049796.D
Acq: 02 Apr 2025 18:39

Tgt Ion: 136 Resp: 914362
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 7.2 5.8 8.8
68 5.8 4.5 6.7





#23

Nitrobenzene-d5

Concen: 78.552 ng

RT: 8.939 min Scan# 1016

Delta R.T. -0.024 min

Lab File: BM049796.D

Acq: 02 Apr 2025 18:39

Instrument :

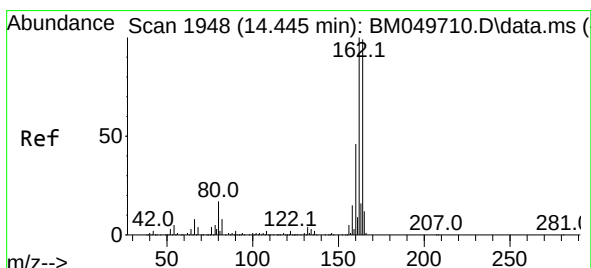
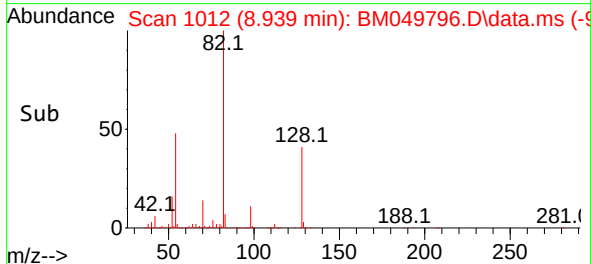
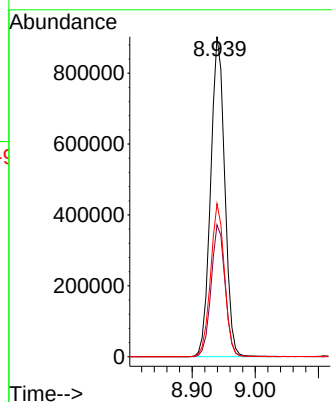
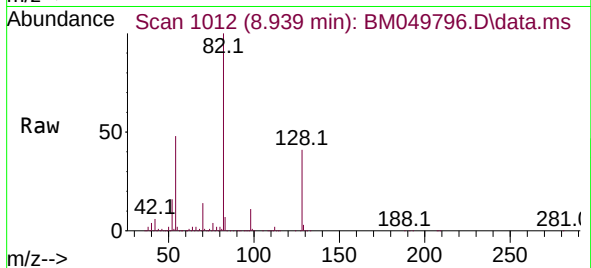
BNA_M

ClientSampleId :

P001-BBDGA-001-02RE

Tgt Ion: 82 Resp: 1398966

Ion	Ratio	Lower	Upper
82	100		
128	41.2	33.4	50.0
54	47.8	36.4	54.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.427 min Scan# 1945

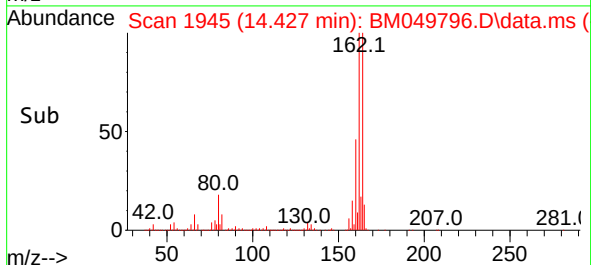
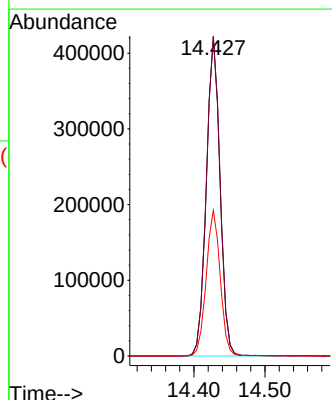
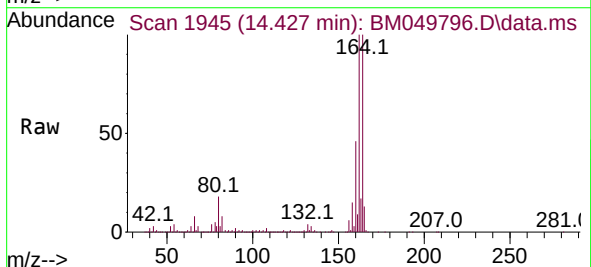
Delta R.T. -0.018 min

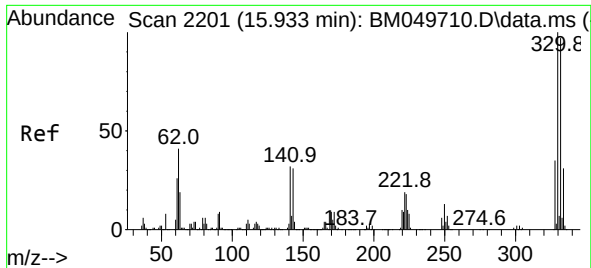
Lab File: BM049796.D

Acq: 02 Apr 2025 18:39

Tgt Ion: 164 Resp: 564453

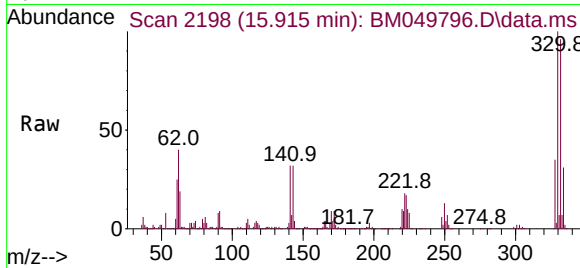
Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.5	120.7
160	45.7	36.9	55.3



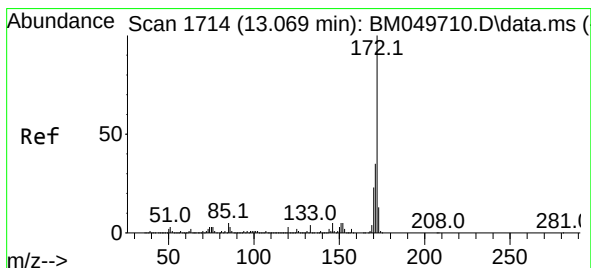
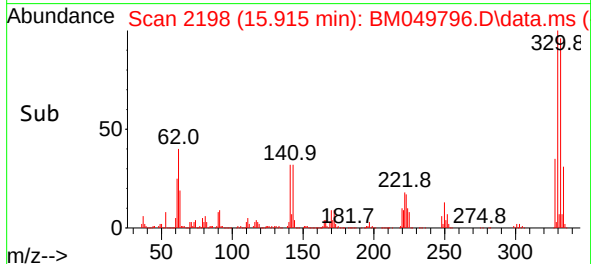
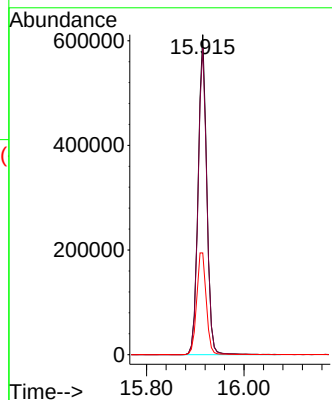


#42
2,4,6-Tribromophenol
Concen: 114.834 ng
RT: 15.915 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM049796.D
Acq: 02 Apr 2025 18:39

Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-02RE

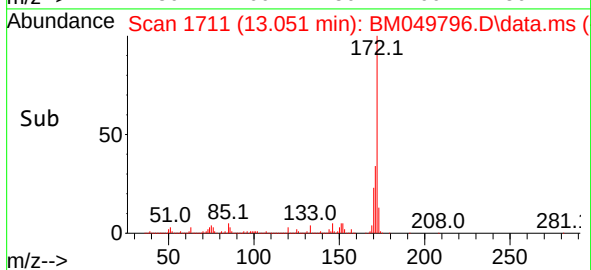
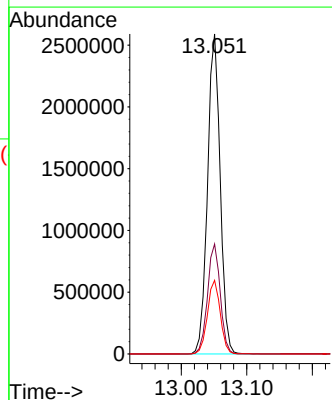
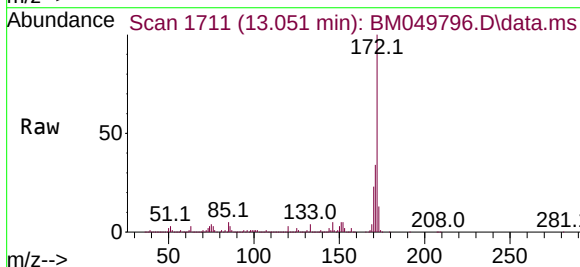


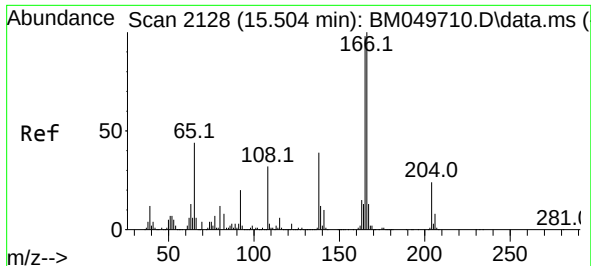
Tgt Ion:330 Resp: 756882
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.4
141 35.3 27.8 41.6



#45
2-Fluorobiphenyl
Concen: 77.148 ng
RT: 13.051 min Scan# 1711
Delta R.T. -0.018 min
Lab File: BM049796.D
Acq: 02 Apr 2025 18:39

Tgt Ion:172 Resp: 3477117
Ion Ratio Lower Upper
172 100
171 34.4 27.9 41.9
170 23.0 18.6 28.0

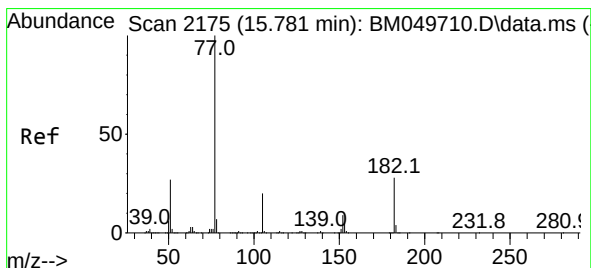
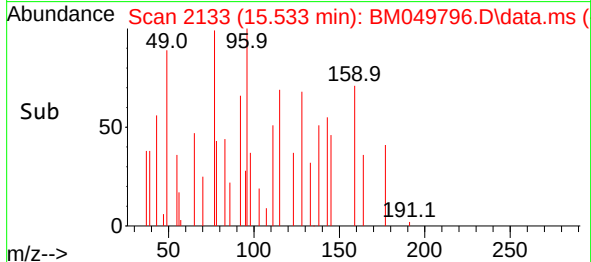
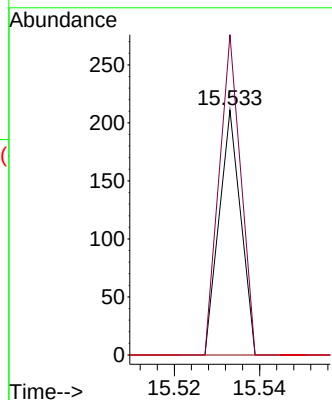
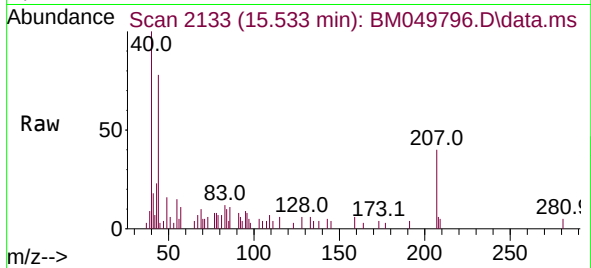




#62
4-Nitroaniline
Concen: 3.765 ng
RT: 15.533 min Scan# 2133
Delta R.T. 0.029 min
Lab File: BM049796.D
Acq: 02 Apr 2025 18:39

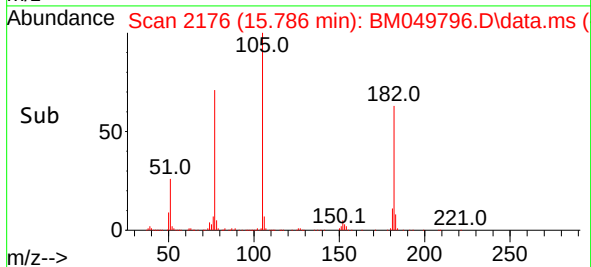
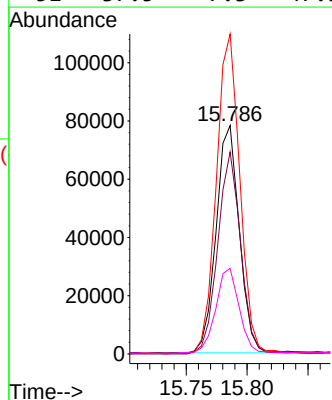
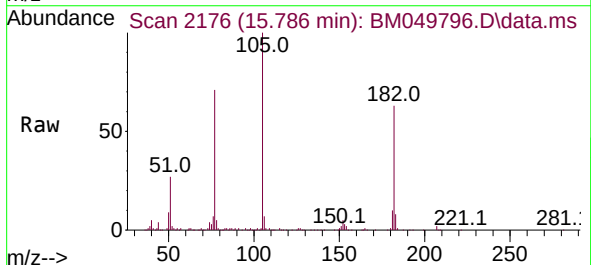
Instrument :
BNA_M
ClientSampleId :
P001-BBDGA-001-02RE

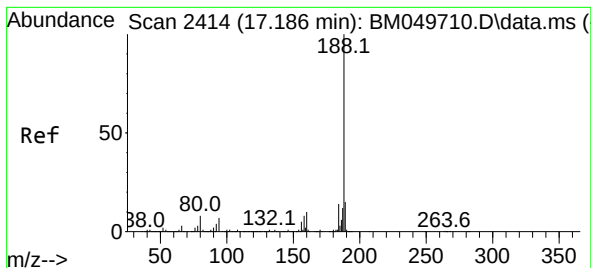
Tgt Ion:138 Resp: 74
Ion Ratio Lower Upper
138 100
92 130.8 29.8 69.8#
108 0.0 61.3 101.3#



#63
Azobenzene
Concen: 2.956 ng
RT: 15.786 min Scan# 2176
Delta R.T. 0.005 min
Lab File: BM049796.D
Acq: 02 Apr 2025 18:39

Tgt Ion: 77 Resp: 103358
Ion Ratio Lower Upper
77 100
182 88.4 8.0 48.0#
105 140.1 0.0 40.0#
51 37.5 7.3 47.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.168 min Scan# 2414

Delta R.T. -0.018 min

Lab File: BM049796.D

Acq: 02 Apr 2025 18:39

Instrument :

BNA_M

ClientSampleId :

P001-BBDGA-001-02RE

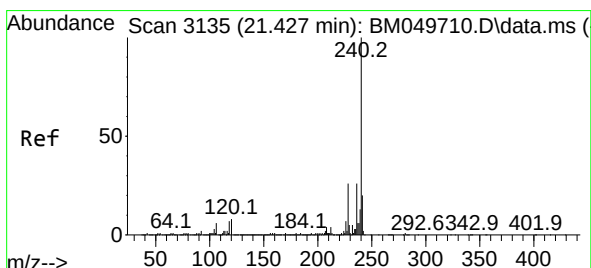
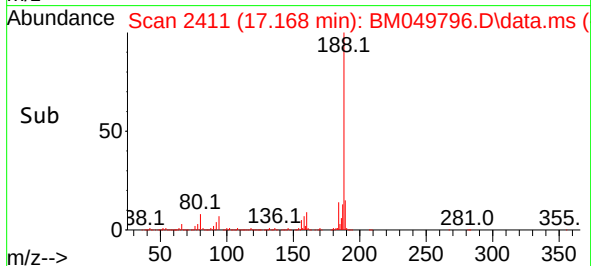
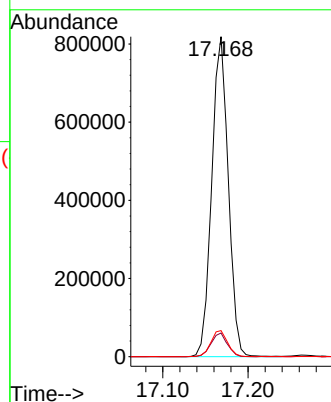
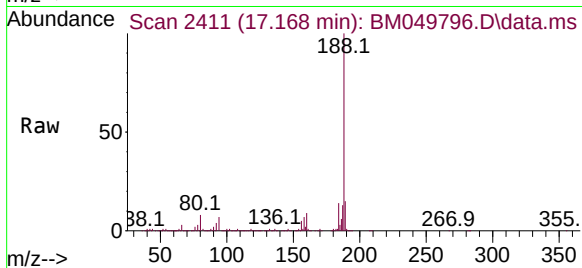
Tgt Ion:188 Resp: 1104038

Ion Ratio Lower Upper

188 100

94 7.4 5.8 8.6

80 8.2 6.3 9.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.403 min Scan# 3131

Delta R.T. -0.024 min

Lab File: BM049796.D

Acq: 02 Apr 2025 18:39

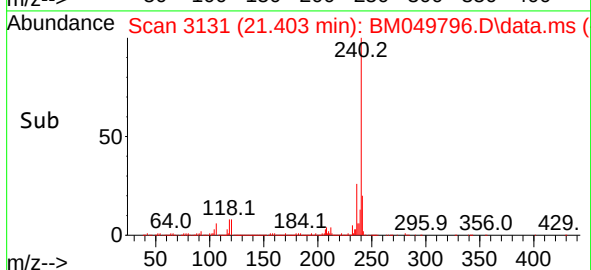
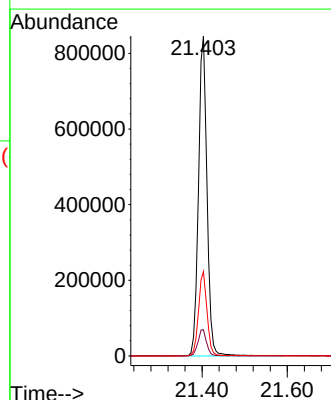
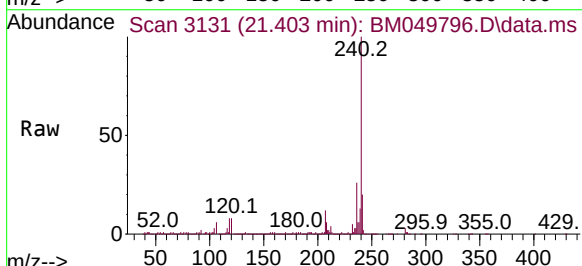
Tgt Ion:240 Resp: 1170671

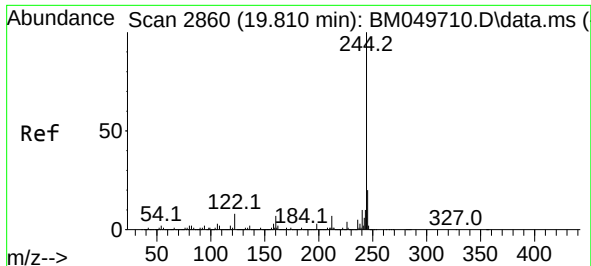
Ion Ratio Lower Upper

240 100

120 8.2 6.5 9.7

236 26.4 20.7 31.1

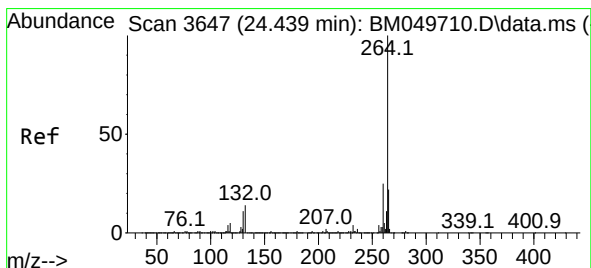
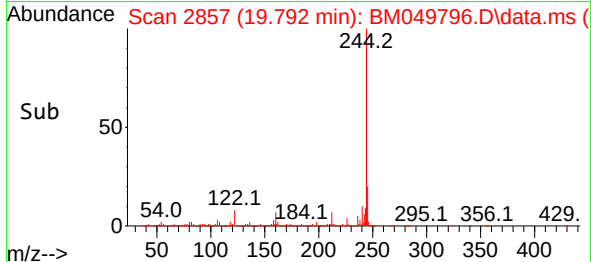
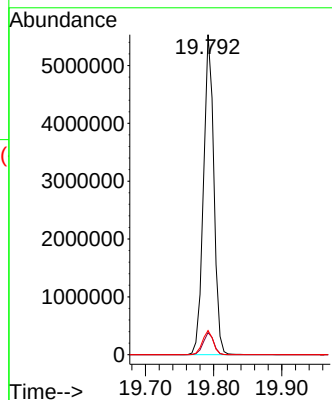
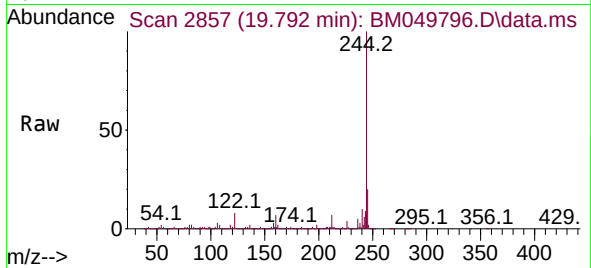




#79
 Terphenyl-d14
 Concen: 83.958 ng
 RT: 19.792 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BM049796.D
 Acq: 02 Apr 2025 18:39

Instrument :
 BNA_M
 ClientSampleId :
 P001-BBDGA-001-02RE

Tgt Ion:244 Resp: 5832674
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 7.6 6.0 9.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.403 min Scan# 3641
 Delta R.T. -0.036 min
 Lab File: BM049796.D
 Acq: 02 Apr 2025 18:39

Tgt Ion:264 Resp: 1255254
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.6 29.4
 265 21.9 18.2 27.2

