

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
 Data File : BM050135.D
 Acq On : 07 May 2025 15:05
 Operator : RC/JU
 Sample : Q1945-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GB3W

Quant Time: May 07 15:45:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

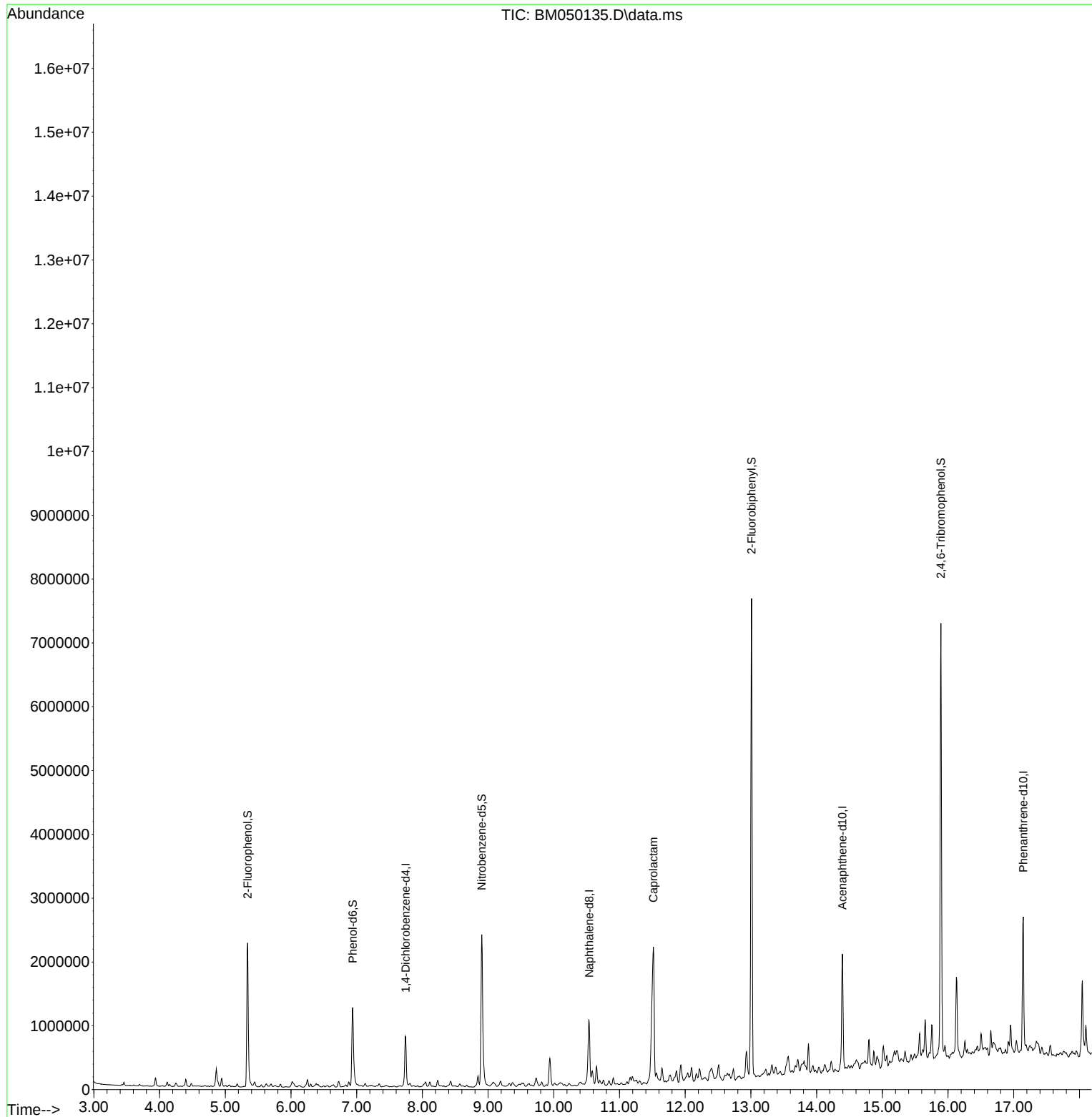
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	242816	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	891368	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	635661	20.000	ng	-0.02
64) Phenanthrene-d10	17.145	188	1255364	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	1187377	20.000	ng	-0.01
86) Perylene-d12	24.385	264	1257762	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1133119	81.715	ng	-0.02
7) Phenol-d6	6.940	99	946530	54.309	ng	-0.01
23) Nitrobenzene-d5	8.904	82	1472624	81.409	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	1486604	158.165	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	4125107	76.770	ng	-0.02
79) Terphenyl-d14	19.768	244	6648397	82.854	ng	-0.01
Target Compounds						
35) Caprolactam	11.516	113	673454	155.586	ng	Qvalue 98

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

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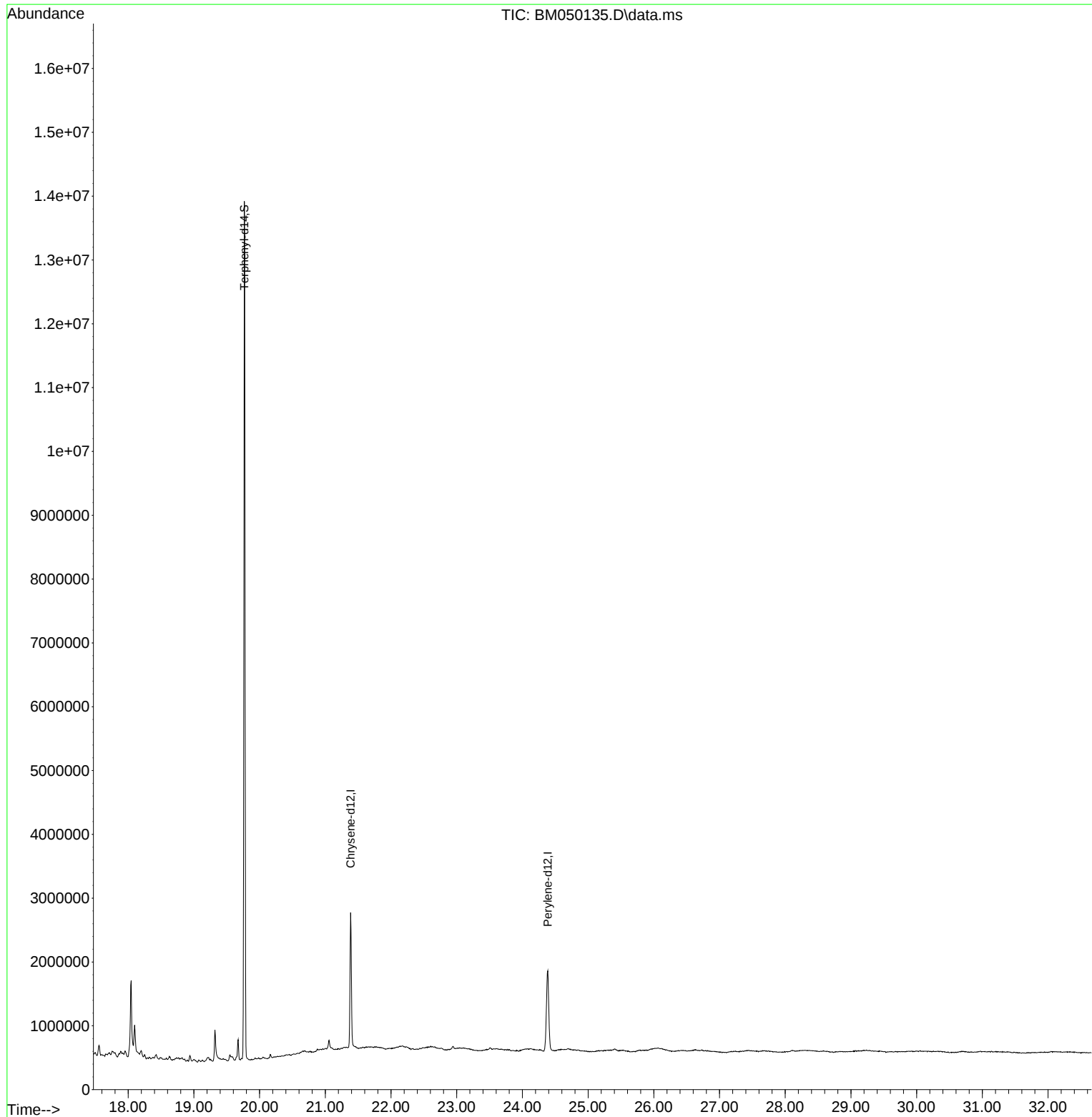
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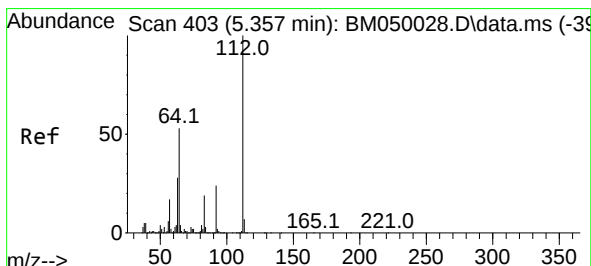
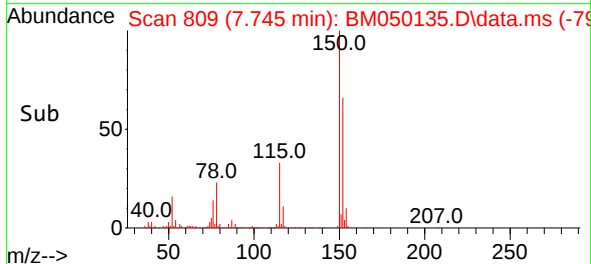
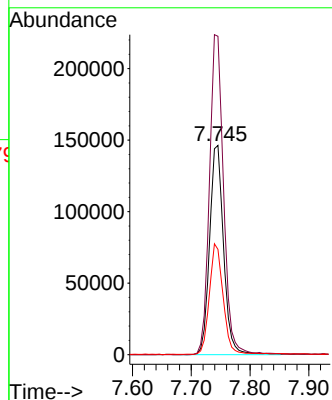
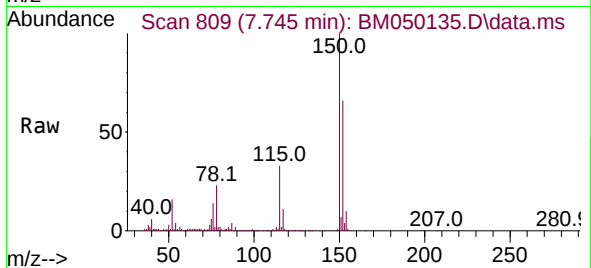




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 809
Delta R.T. -0.024 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

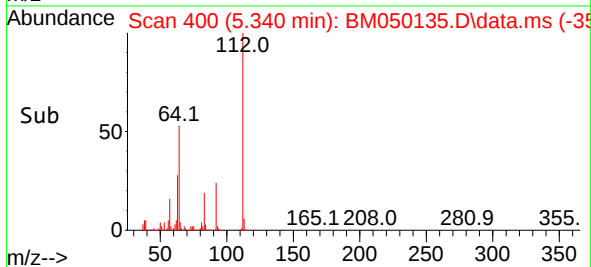
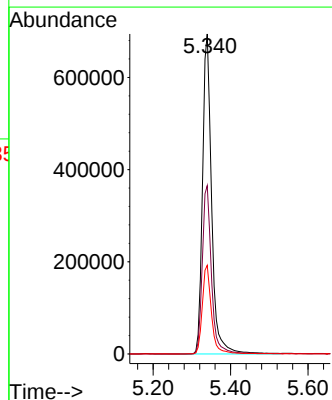
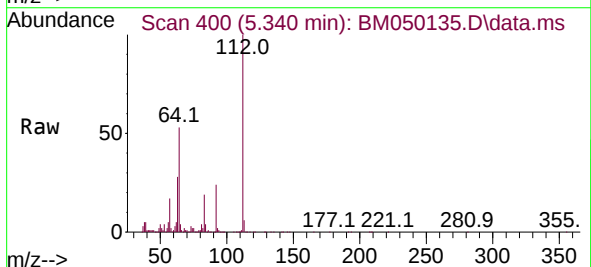
Instrument :
BNA_M
ClientSampleId :
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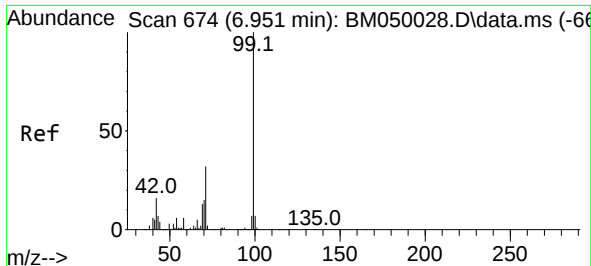
Tgt Ion:152 Resp: 242816
Ion Ratio Lower Upper
152 100
150 152.1 124.1 186.1
115 50.3 41.2 61.8



#5
2-Fluorophenol
Concen: 81.715 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

Tgt Ion:112 Resp: 1133119
Ion Ratio Lower Upper
112 100
64 52.6 42.6 64.0
63 27.7 22.2 33.4

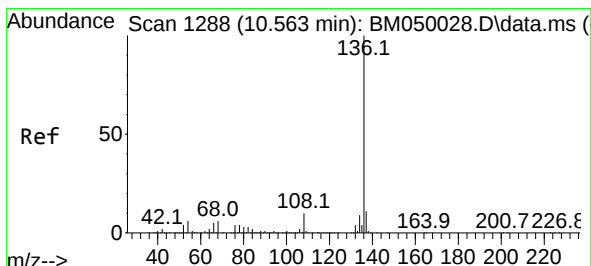
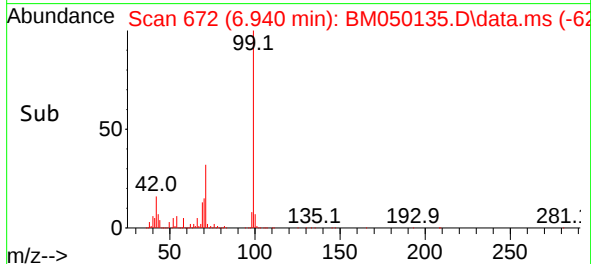
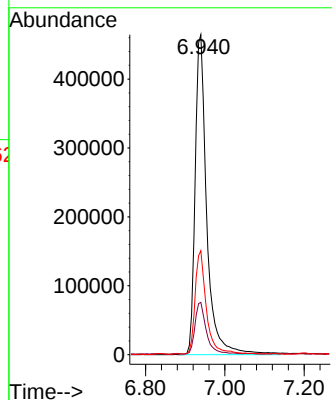
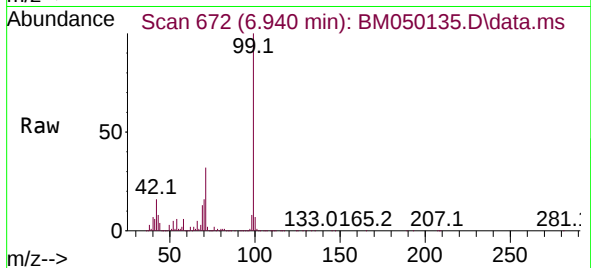




#7
Phenol-d6
Concen: 54.309 ng
RT: 6.940 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

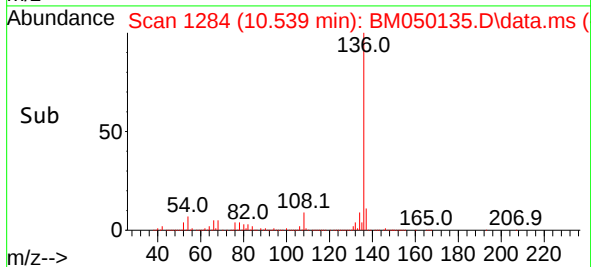
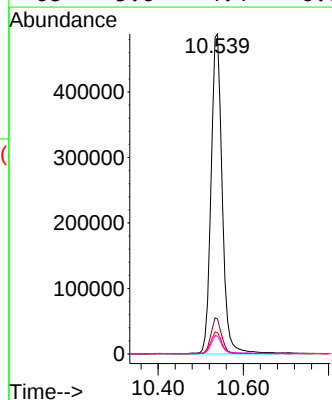
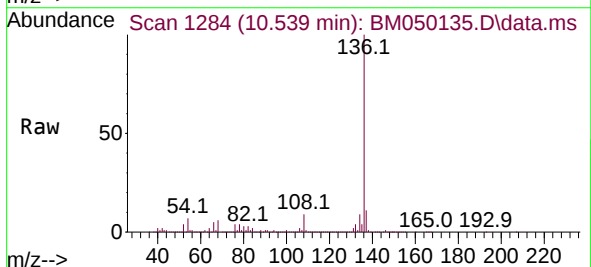
Instrument :
BNA_M
ClientSampleId :
GB3W

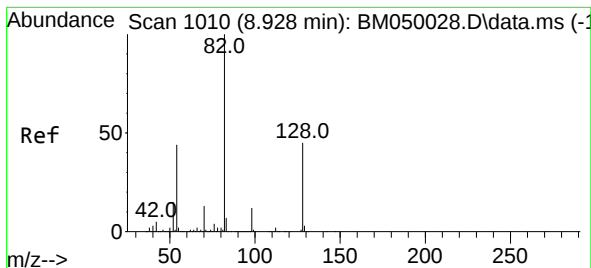
Tgt Ion: 99 Resp: 946530
Ion Ratio Lower Upper
99 100
42 16.4 13.0 19.4
71 32.5 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

Tgt Ion: 136 Resp: 891368
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 6.7 5.1 7.7
68 5.6 4.4 6.6

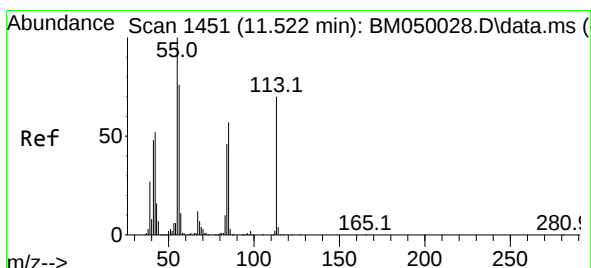
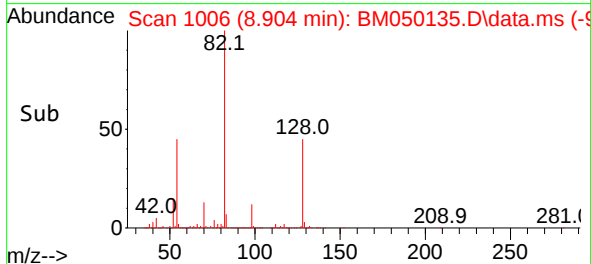
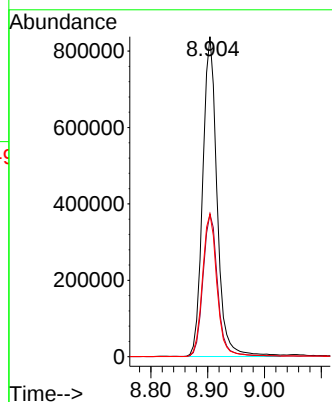
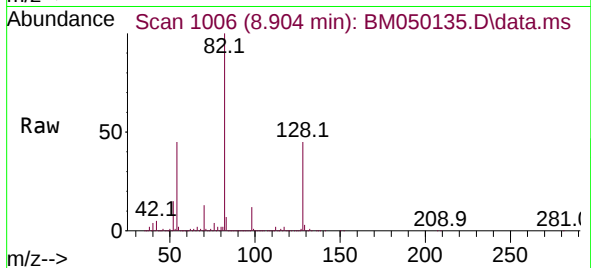




#23
Nitrobenzene-d5
Concen: 81.409 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.024 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

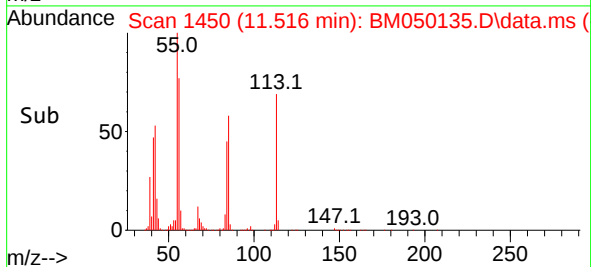
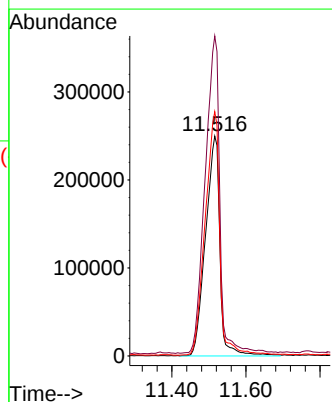
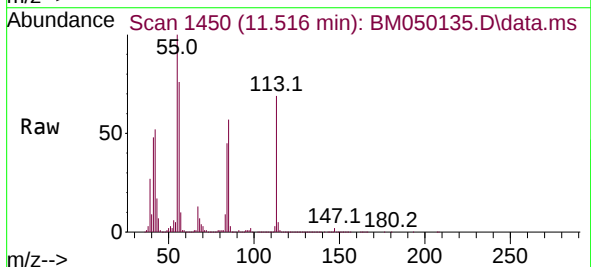
Instrument :
BNA_M
ClientSampleId :
GB3W

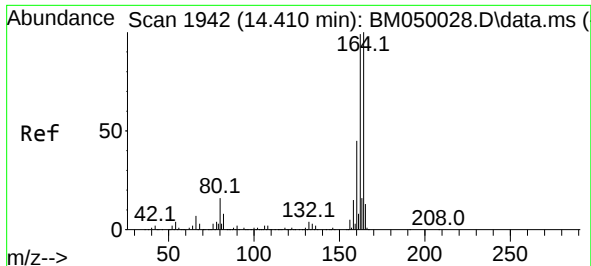
Tgt Ion: 82 Resp: 1472624
Ion Ratio Lower Upper
82 100
128 44.6 35.7 53.5
54 44.6 35.4 53.2



#35
Caprolactam
Concen: 155.586 ng
RT: 11.516 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

Tgt Ion: 113 Resp: 673454
Ion Ratio Lower Upper
113 100
55 145.5 122.9 162.9
56 111.1 88.1 128.1

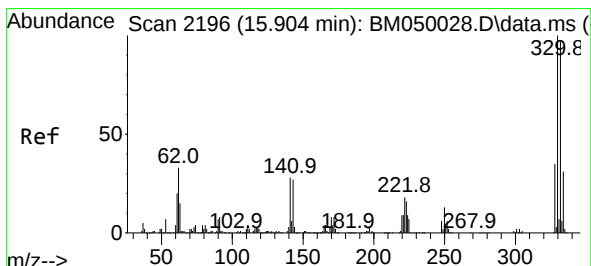
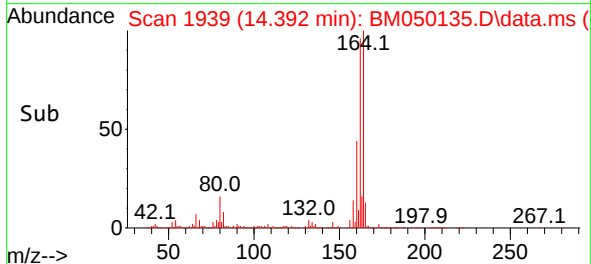
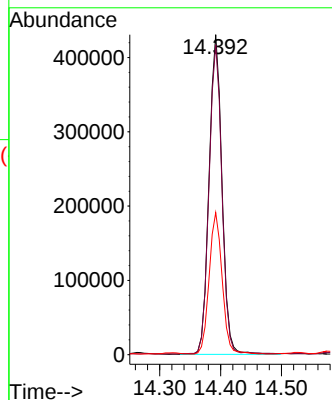
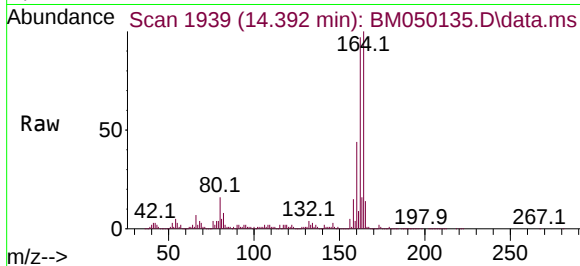




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

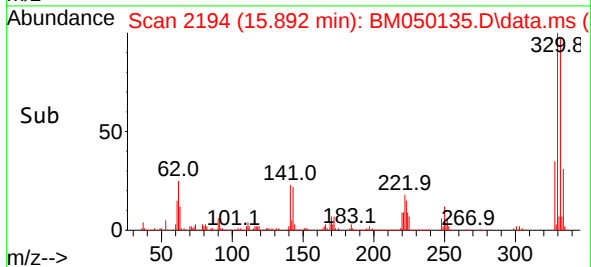
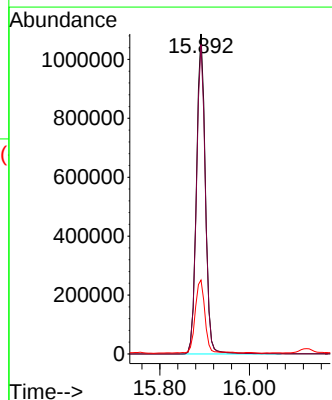
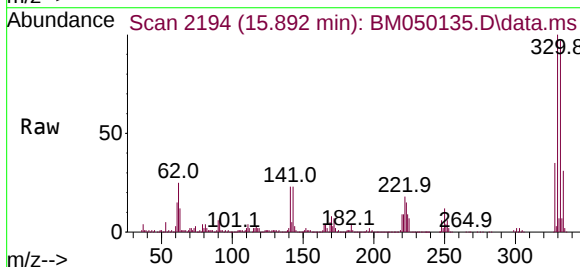
Instrument :
BNA_M
ClientSampleId :
GB3W

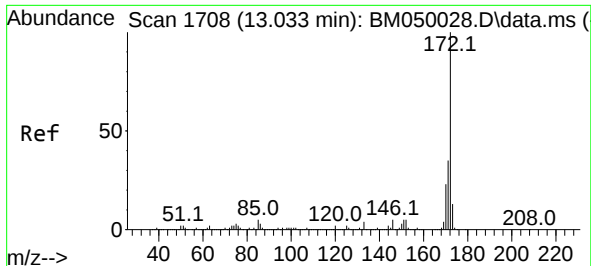
Tgt Ion:164 Resp: 635661
Ion Ratio Lower Upper
164 100
162 96.8 79.4 119.0
160 44.4 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 158.165 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

Tgt Ion:330 Resp: 1486604
Ion Ratio Lower Upper
330 100
332 96.9 77.3 115.9
141 25.3 22.5 33.7

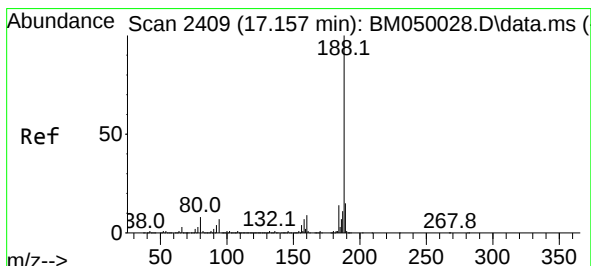
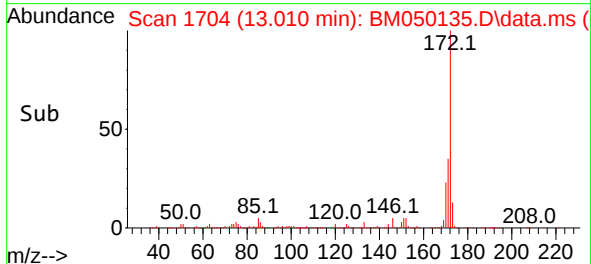
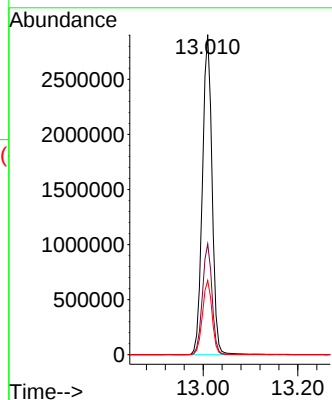
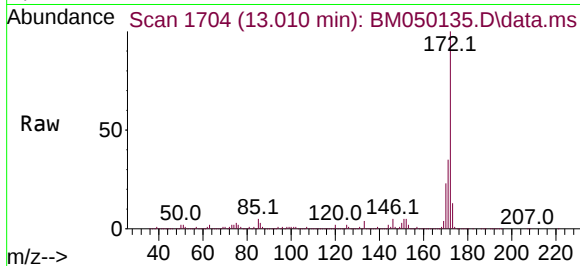




#45
2-Fluorobiphenyl
Concen: 76.770 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

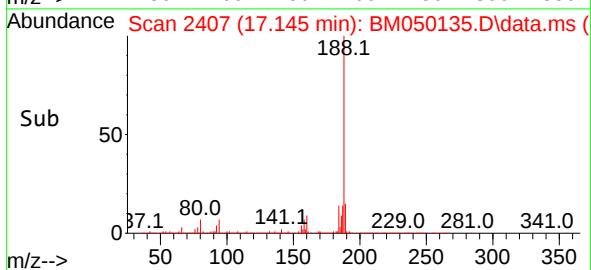
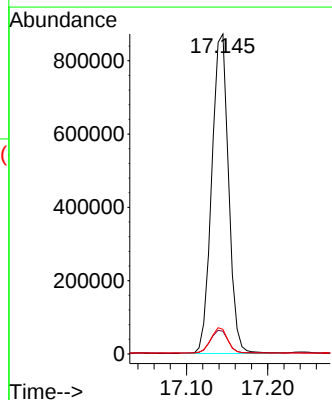
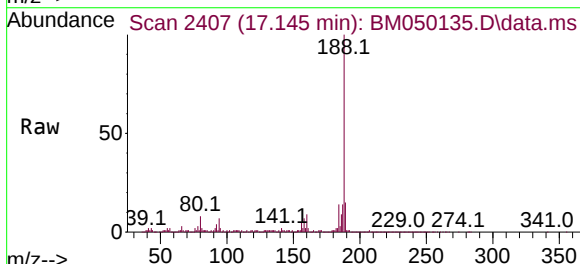
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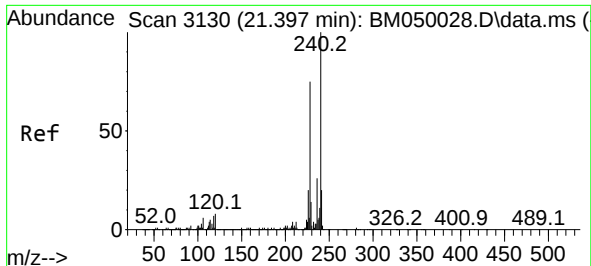
Tgt Ion:172 Resp: 4125107
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.6
170 23.2 18.6 28.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

Tgt Ion:188 Resp: 1255364
Ion Ratio Lower Upper
188 100
94 7.1 5.7 8.5
80 7.7 6.2 9.4

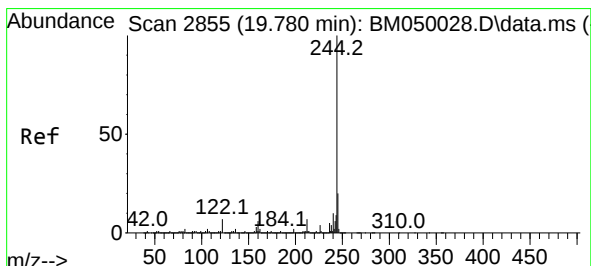
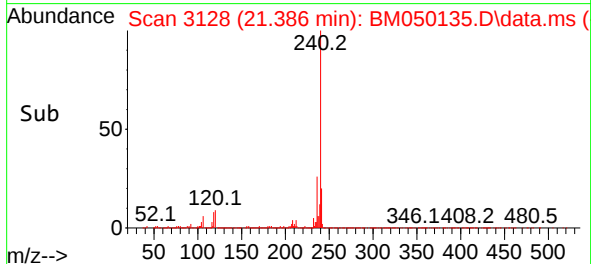
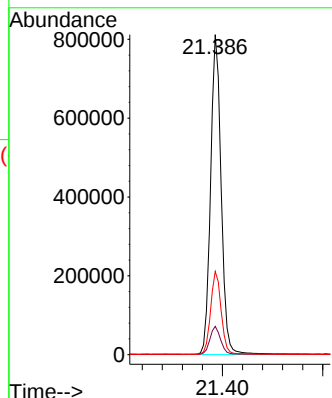
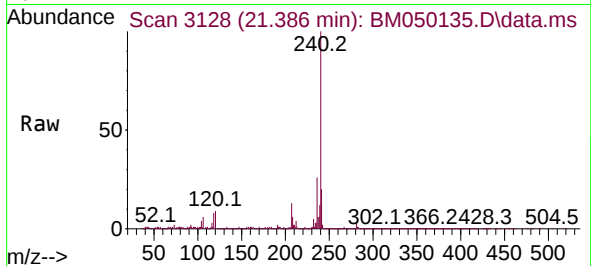




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 31
Delta R.T. -0.011 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

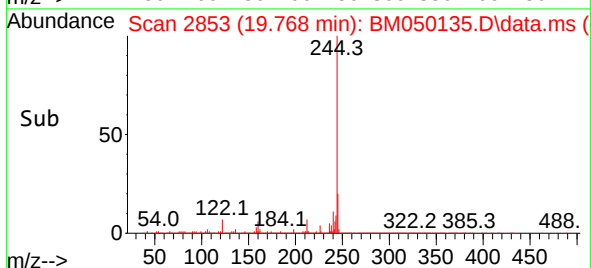
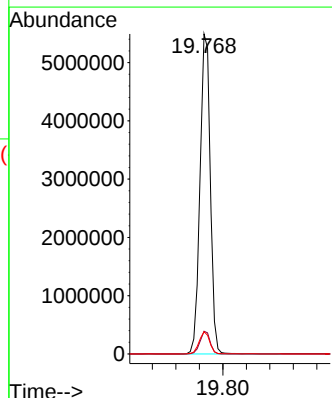
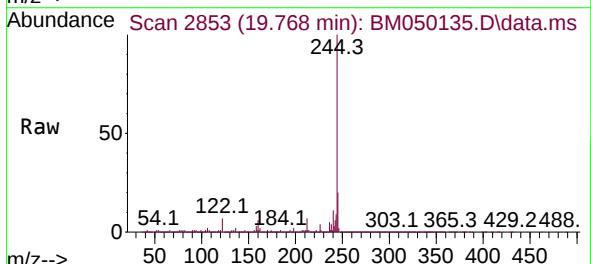
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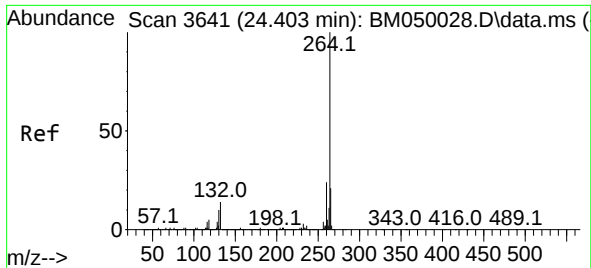
Tgt Ion:240 Resp: 1187377
Ion Ratio Lower Upper
240 100
120 8.8 6.5 9.7
236 26.0 20.9 31.3



#79
Terphenyl-d14
Concen: 82.854 ng
RT: 19.768 min Scan# 2853
Delta R.T. -0.012 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

Tgt Ion:244 Resp: 6648397
Ion Ratio Lower Upper
244 100
212 7.1 5.6 8.4
122 6.9 5.6 8.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.385 min Scan# 30
Delta R.T. -0.018 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

Instrument :
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Tgt Ion:264 Resp: 1257762

Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.8	28.2
265	22.0	17.0	25.4

