

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
 Data File : BM050430.D
 Acq On : 14 Jul 2025 17:34
 Operator : RC/JU
 Sample : PB168788BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB168788BL

Quant Time: Jul 14 18:42:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 08 18:32:25 2025
 Response via : Initial Calibration

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

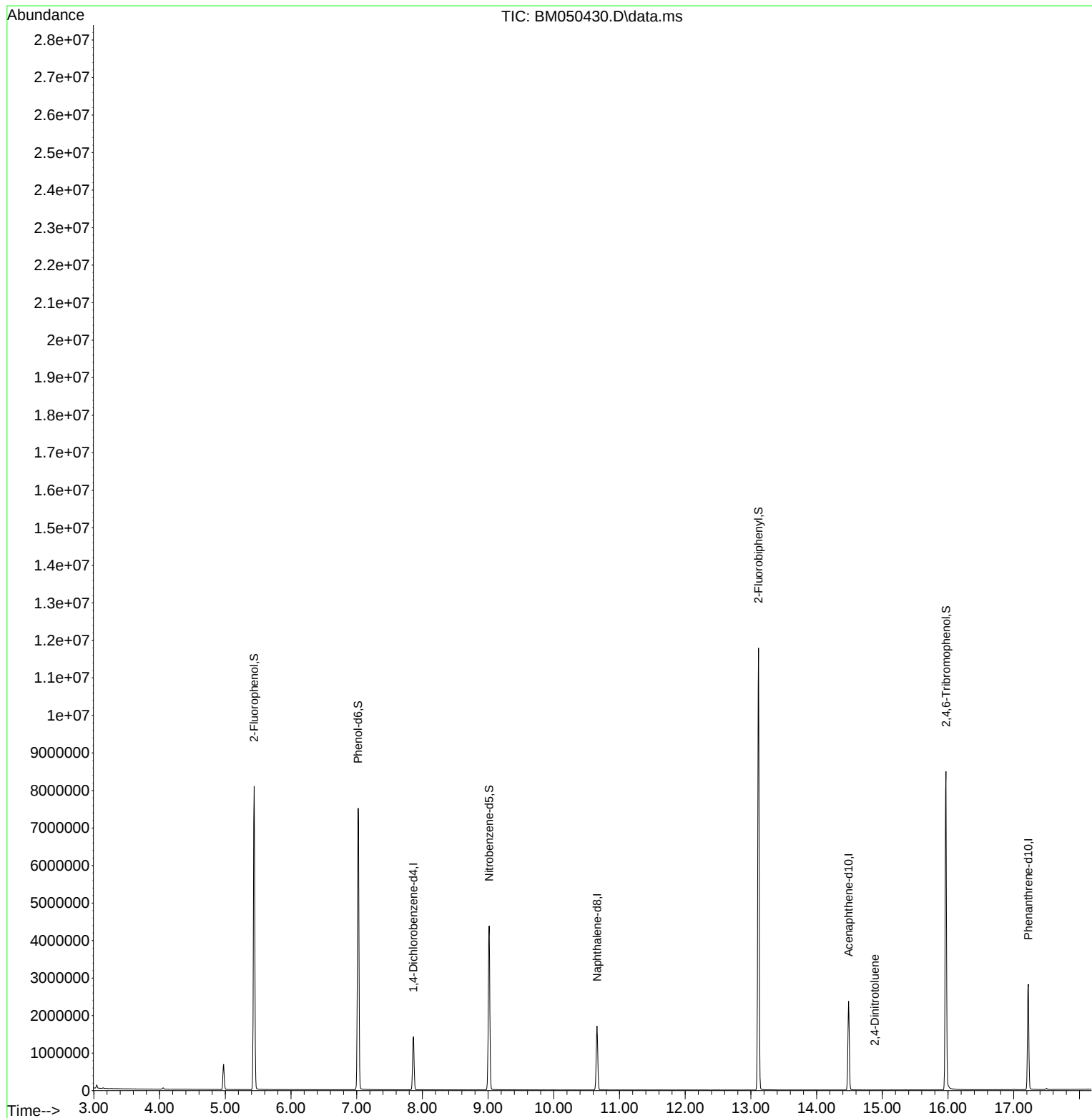
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	390165	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	1399531	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	845767	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	1660365	20.000	ng	0.00
76) Chrysene-d12	21.439	240	1715059	20.000	ng	-0.02
86) Perylene-d12	24.474	264	1805974	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	3420172	150.890	ng	0.00
7) Phenol-d6	7.022	99	4207432	147.248	ng	0.00
23) Nitrobenzene-d5	9.016	82	2410969	87.889	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	1583921	154.136	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	6032236	88.079	ng	0.00
79) Terphenyl-d14	19.833	244	10134767	103.971	ng	-0.01
Target Compounds						
57) 2,4-Dinitrotoluene	14.886	165	55	2.727	ng	Qvalue # 25

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

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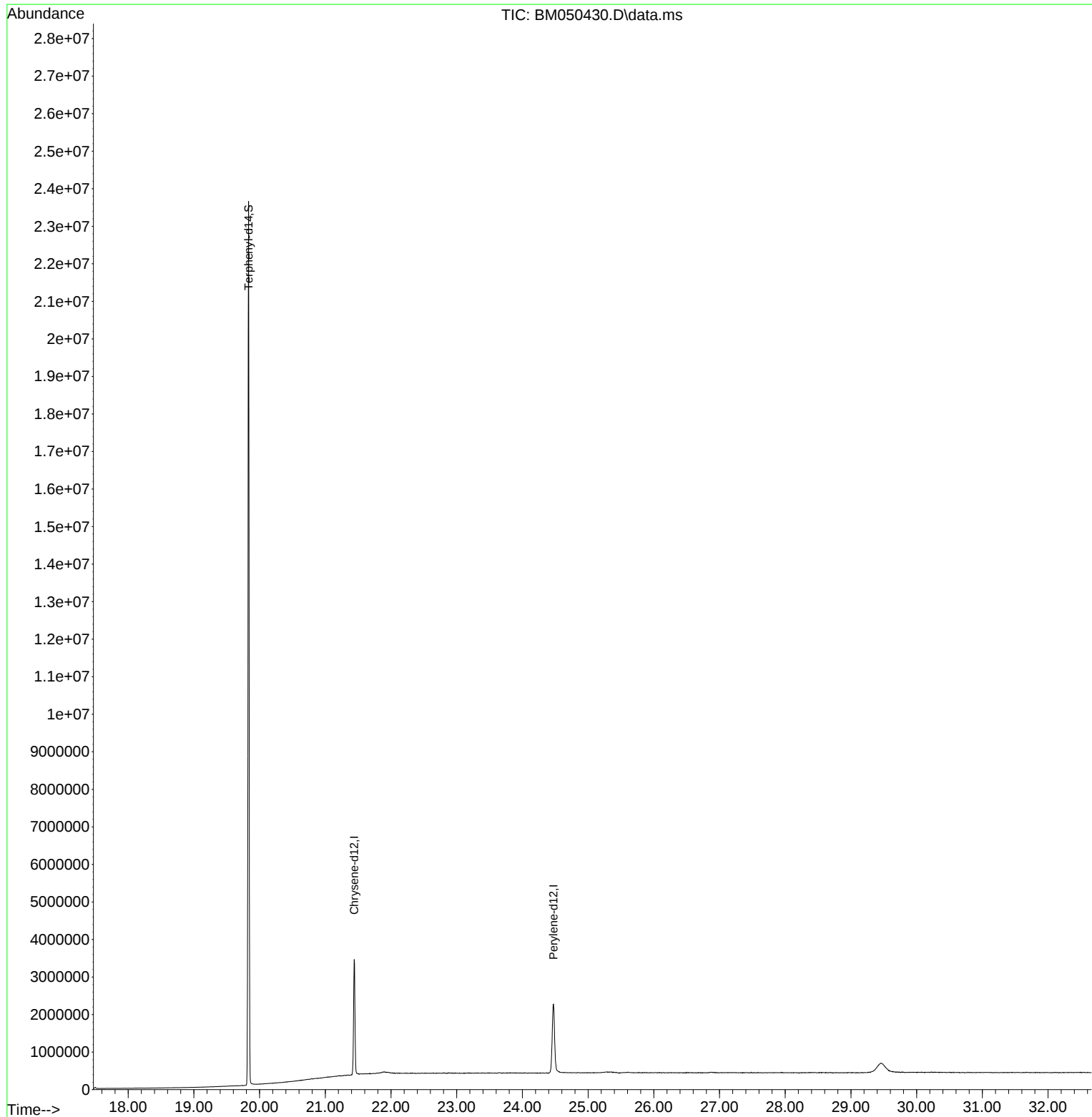
Quant Time: Jul 14 18:42:25 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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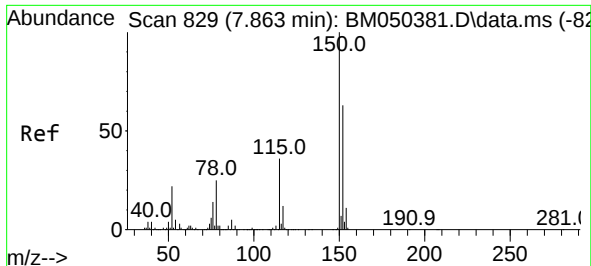


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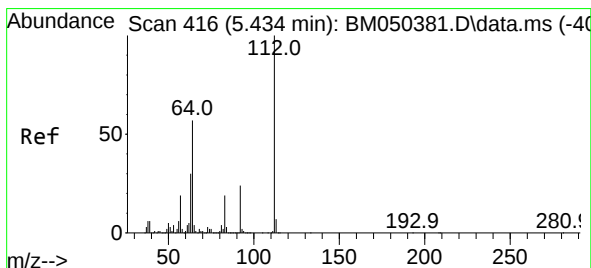
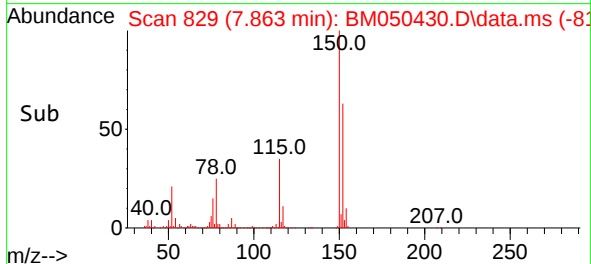
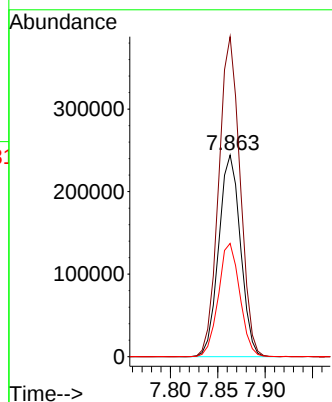
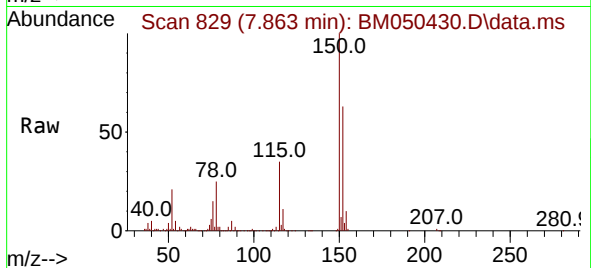




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050430.D
Acq: 14 Jul 2025 17:34

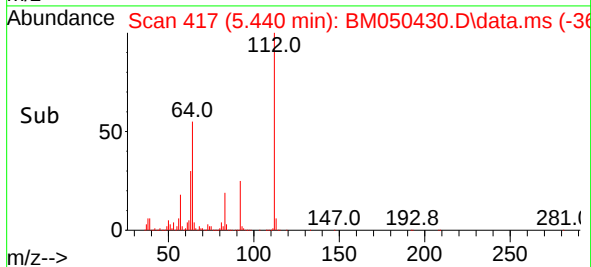
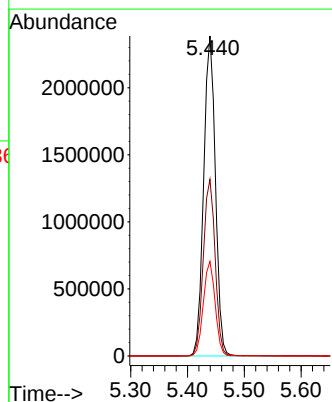
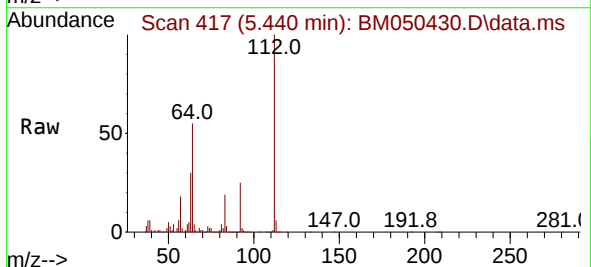
Instrument :
BNA_M
ClientSampleId :
PB168788BL

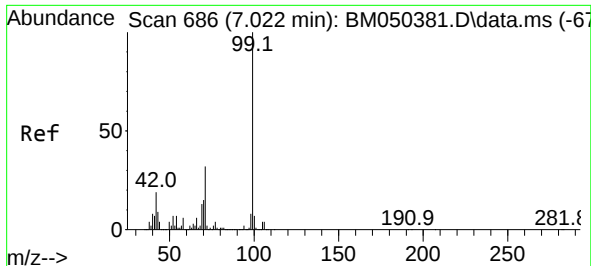
Tgt Ion:152 Resp: 390165
Ion Ratio Lower Upper
152 100
150 158.8 126.2 189.4
115 56.2 45.8 68.8



#5
2-Fluorophenol
Concen: 150.890 ng
RT: 5.440 min Scan# 417
Delta R.T. 0.006 min
Lab File: BM050430.D
Acq: 14 Jul 2025 17:34

Tgt Ion:112 Resp: 3420172
Ion Ratio Lower Upper
112 100
64 55.2 45.5 68.3
63 29.5 24.2 36.4



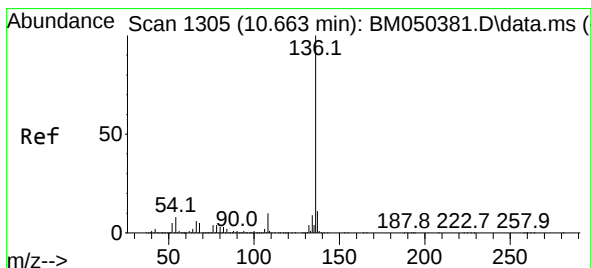
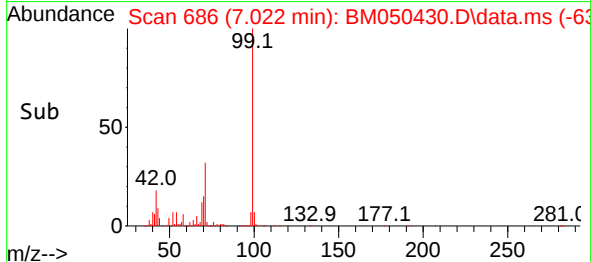
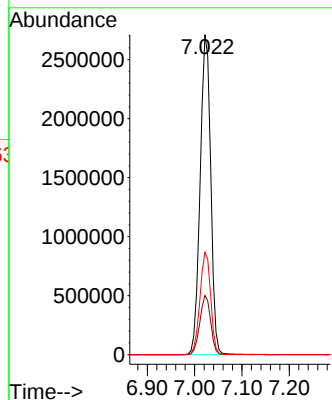
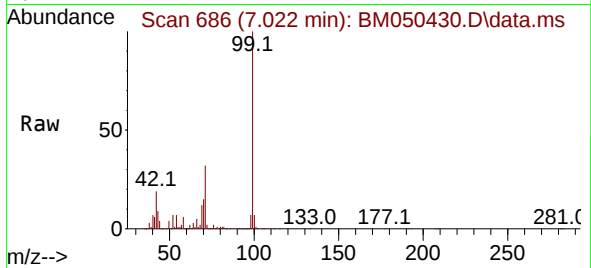


#7
Phenol-d6
Concen: 147.248 ng
RT: 7.022 min Scan# 686
Delta R.T. -0.000 min
Lab File: BM050430.D
Acq: 14 Jul 2025 17:34

Instrument :
BNA_M
ClientSampleId :
PB168788BL

Tgt Ion: 99 Resp: 4207432

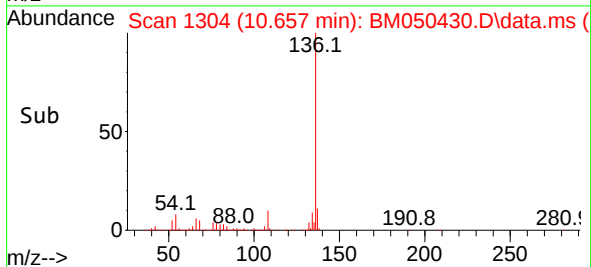
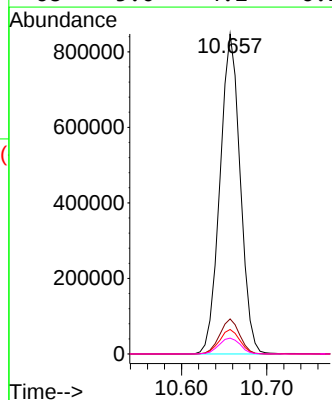
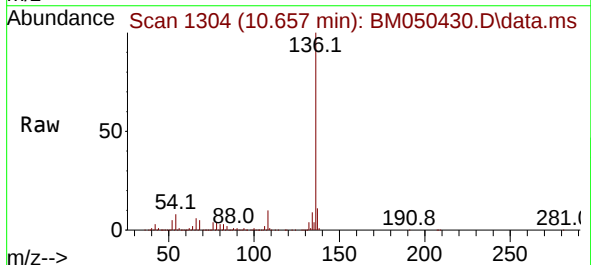
Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.0	22.6
71	32.1	25.9	38.9

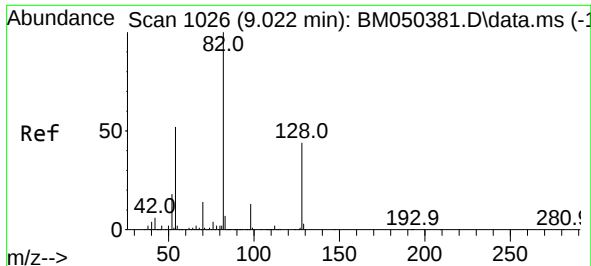


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM050430.D
Acq: 14 Jul 2025 17:34

Tgt Ion:136 Resp: 1399531

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.6	6.3	9.5
68	5.0	4.2	6.2

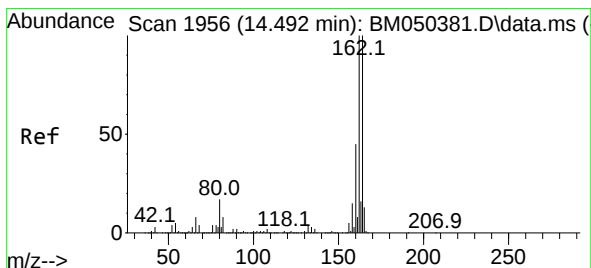
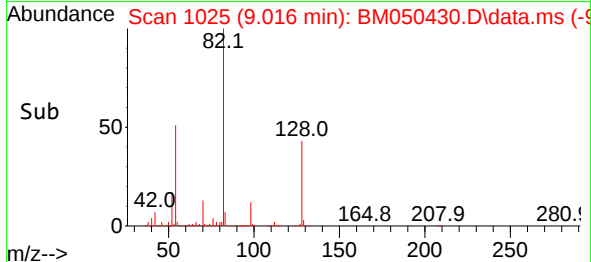
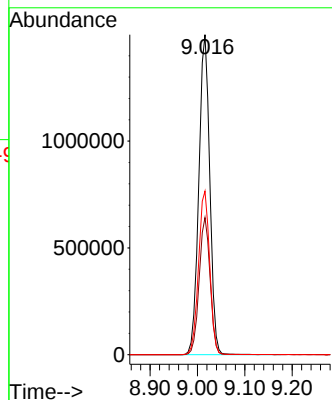
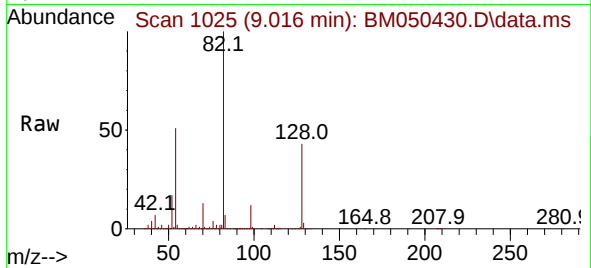




#23
Nitrobenzene-d5
Concen: 87.889 ng
RT: 9.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM050430.D
Acq: 14 Jul 2025 17:34

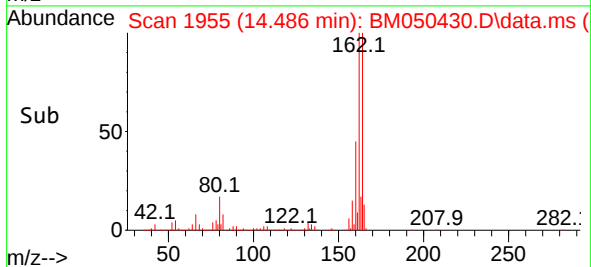
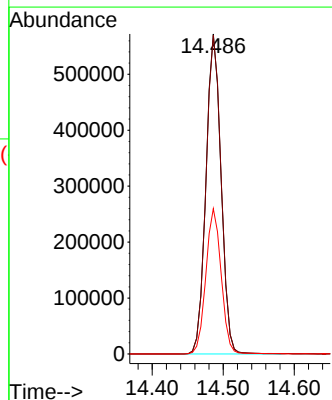
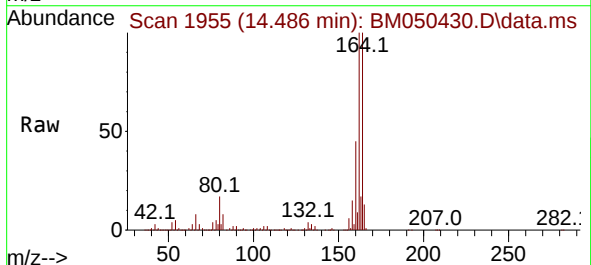
Instrument :
BNA_M
ClientSampleId :
PB168788BL

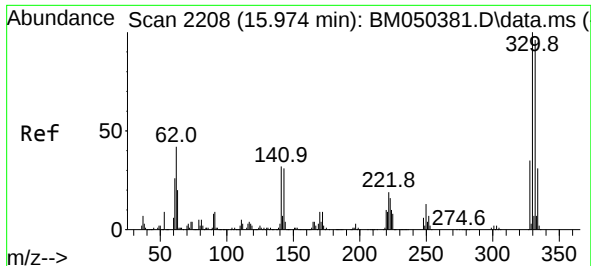
Tgt Ion: 82 Resp: 2410969
Ion Ratio Lower Upper
82 100
128 42.8 35.2 52.8
54 51.1 41.5 62.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.006 min
Lab File: BM050430.D
Acq: 14 Jul 2025 17:34

Tgt Ion:164 Resp: 845767
Ion Ratio Lower Upper
164 100
162 99.6 79.9 119.9
160 45.4 36.2 54.4

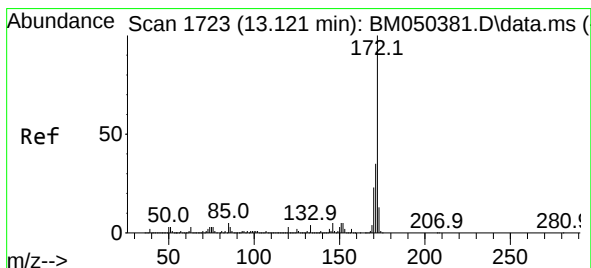
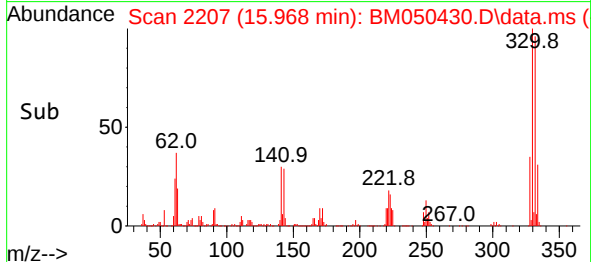
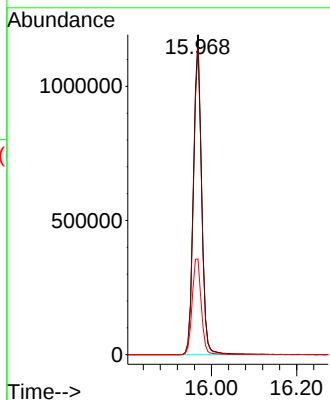
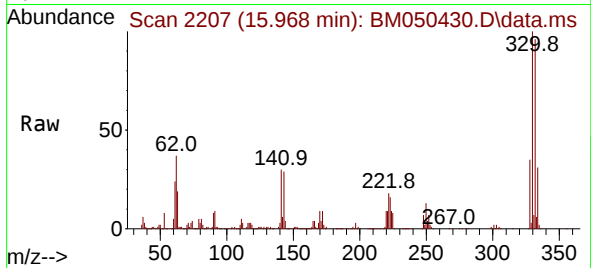




#42
2,4,6-Tribromophenol
Concen: 154.136 ng
RT: 15.968 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050430.D
Acq: 14 Jul 2025 17:34

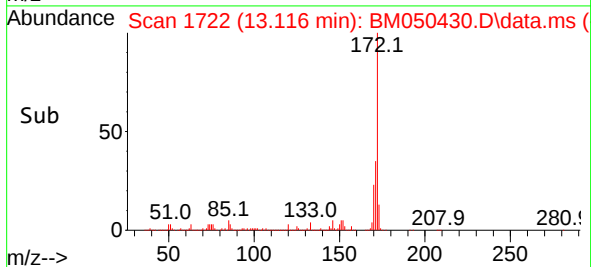
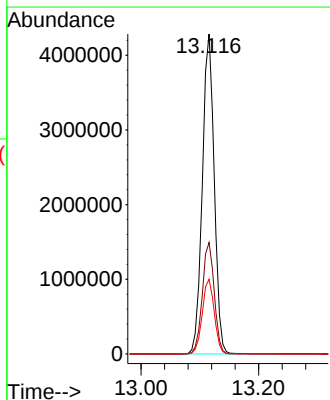
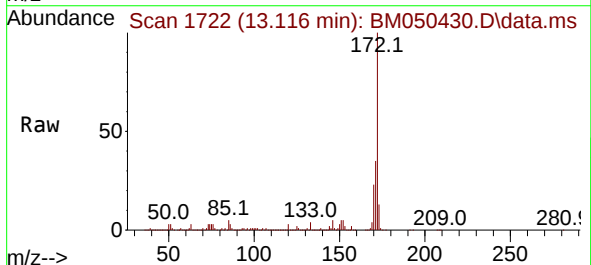
Instrument :
BNA_M
ClientSampleId :
PB168788BL

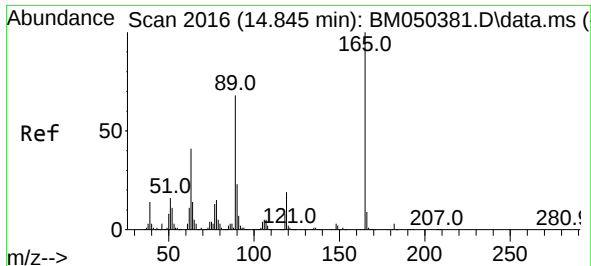
Tgt Ion:330 Resp: 1583921
Ion Ratio Lower Upper
330 100
332 96.8 76.9 115.3
141 33.5 27.4 41.0



#45
2-Fluorobiphenyl
Concen: 88.079 ng
RT: 13.116 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BM050430.D
Acq: 14 Jul 2025 17:34

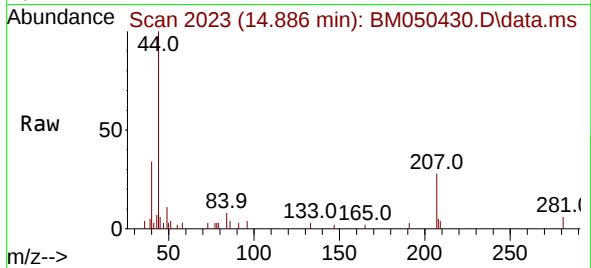
Tgt Ion:172 Resp: 6032236
Ion Ratio Lower Upper
172 100
171 34.8 27.7 41.5
170 23.3 18.8 28.2



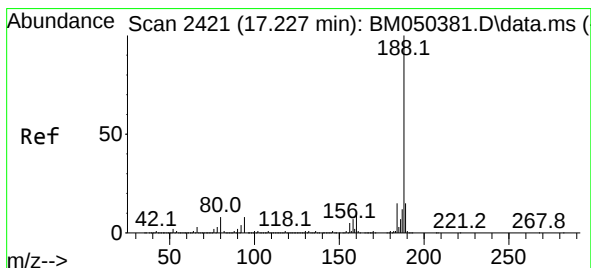
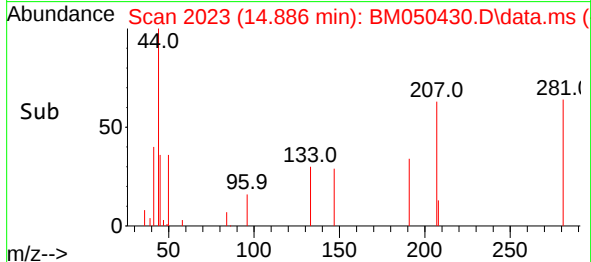
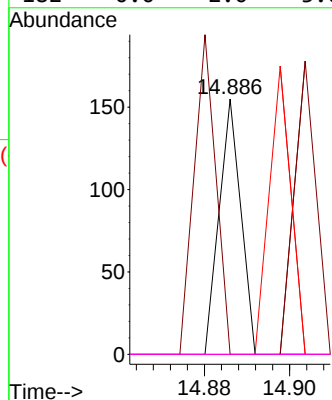


#57
2,4-Dinitrotoluene
Concen: 2.727 ng
RT: 14.886 min Scan# 20
Delta R.T. 0.041 min
Lab File: BM050430.D
Acq: 14 Jul 2025 17:34

Instrument :
BNA_M
ClientSampleId :
PB168788BL

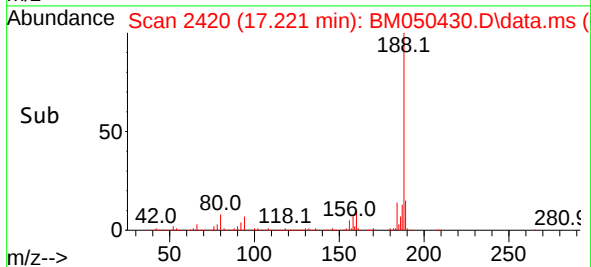
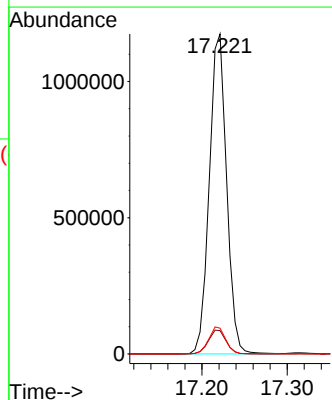
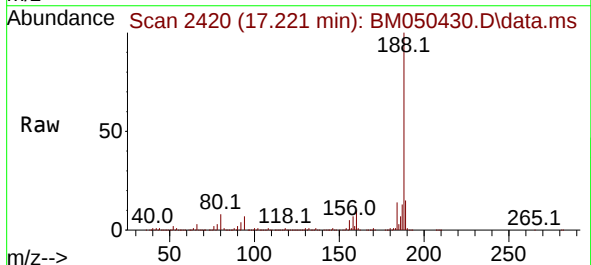


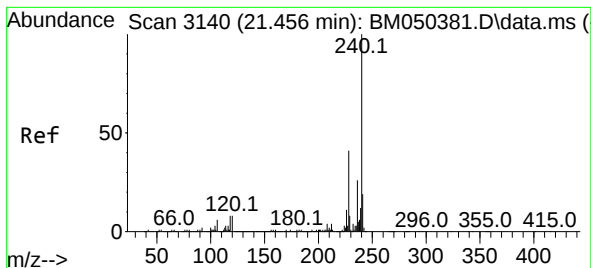
Tgt Ion:165 Resp: 55
Ion Ratio Lower Upper
165 100
63 0.0 32.5 48.7#
89 0.0 54.0 81.0#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BM050430.D
Acq: 14 Jul 2025 17:34

Tgt Ion:188 Resp: 1660365
Ion Ratio Lower Upper
188 100
94 7.3 6.0 9.0
80 8.1 6.5 9.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.439 min Scan# 31

Delta R.T. -0.018 min

Lab File: BM050430.D

Acq: 14 Jul 2025 17:34

Instrument :

BNA_M

ClientSampleId :

PB168788BL

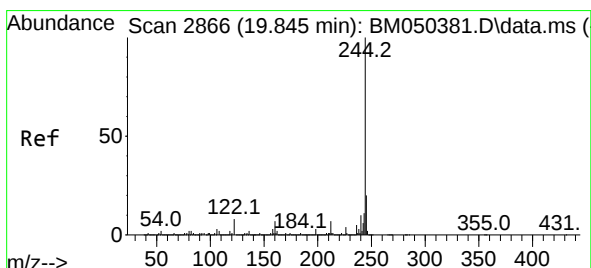
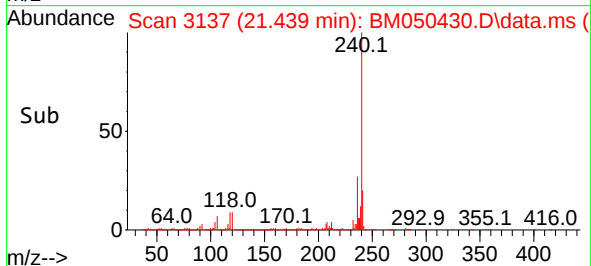
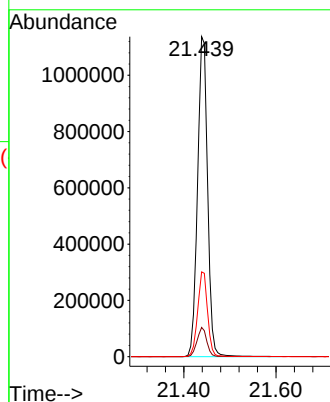
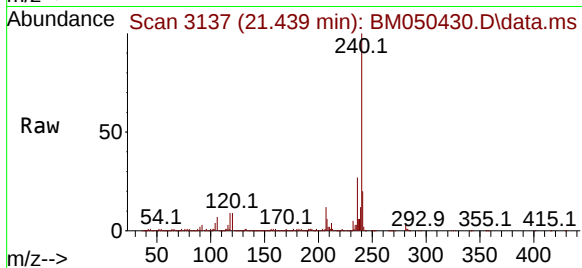
Tgt Ion:240 Resp: 1715059

Ion Ratio Lower Upper

240 100

120 9.2 6.7 10.1

236 26.5 20.7 31.1



#79

Terphenyl-d14

Concen: 103.971 ng

RT: 19.833 min Scan# 2864

Delta R.T. -0.012 min

Lab File: BM050430.D

Acq: 14 Jul 2025 17:34

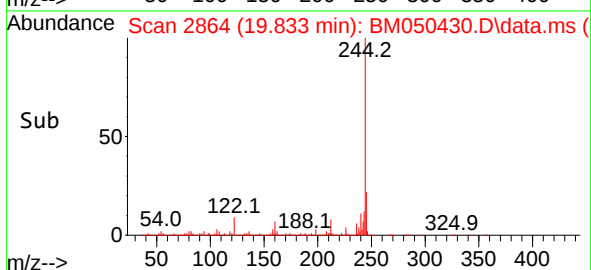
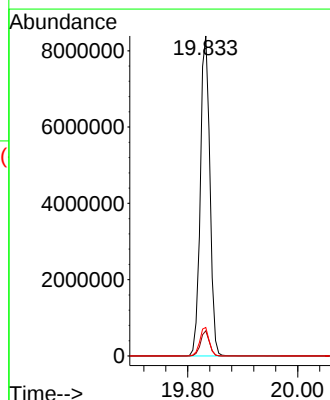
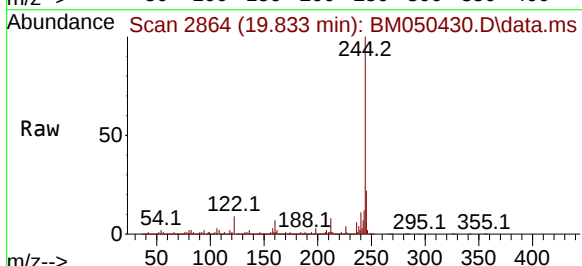
Tgt Ion:244 Resp:10134767

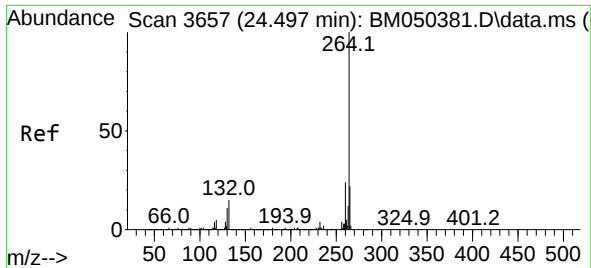
Ion Ratio Lower Upper

244 100

212 7.8 5.7 8.5

122 8.9 6.2 9.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.474 min Scan# 30
 Delta R.T. -0.024 min
 Lab File: BM050430.D
 Acq: 14 Jul 2025 17:34

Instrument :
 BNA_M
 ClientSampleId :
 PB168788BL

Tgt Ion:264 Resp: 1805974
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 22.0 17.8 26.6

