

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
 Data File : BM050432.D
 Acq On : 14 Jul 2025 18:54
 Operator : RC/JU
 Sample : PB168820BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB168820BL

Quant Time: Jul 15 02:02:22 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)

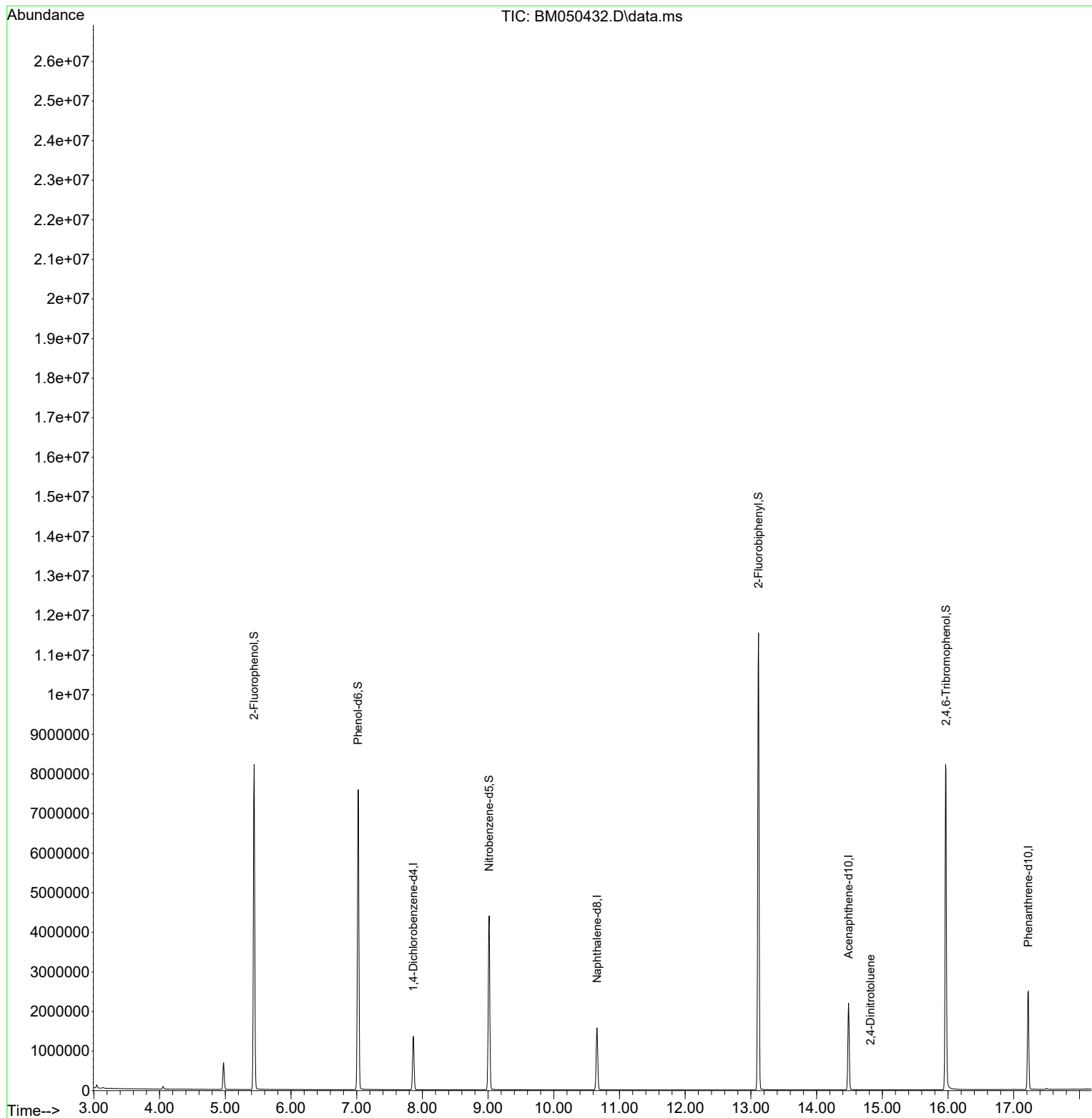
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	365994	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	1297145	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	778529	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	1483211	20.000	ng	0.00
76) Chrysene-d12	21.439	240	1497440	20.000	ng	-0.02
86) Perylene-d12	24.468	264	1585798	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	3429626	161.300	ng	0.00
7) Phenol-d6	7.022	99	4208201	157.001	ng	0.00
23) Nitrobenzene-d5	9.016	82	2423333	95.312	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	1554980	164.388	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	6014177	95.399	ng	0.00
79) Terphenyl-d14	19.833	244	9795135	115.091	ng	-0.01
Target Compounds						
57) 2,4-Dinitrotoluene	14.821	165	62	2.728	ng	Qvalue # 25

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

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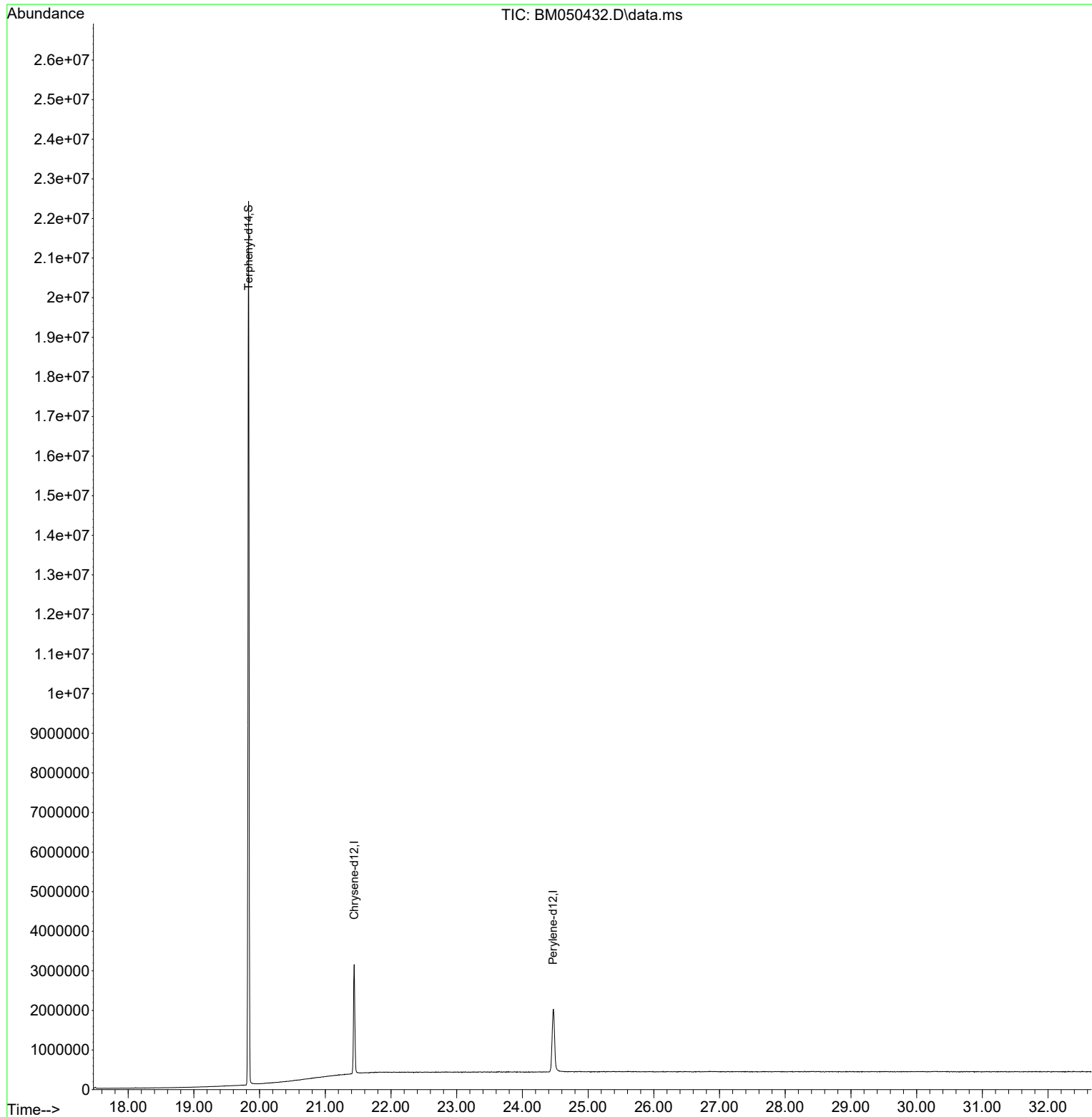
Quant Time: Jul 15 02:02:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
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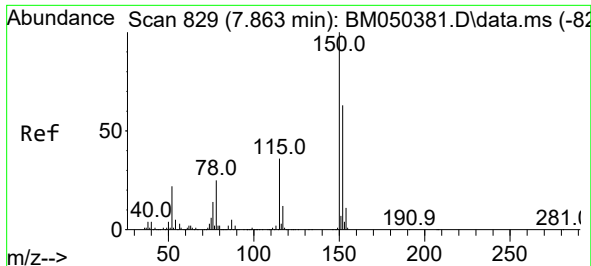


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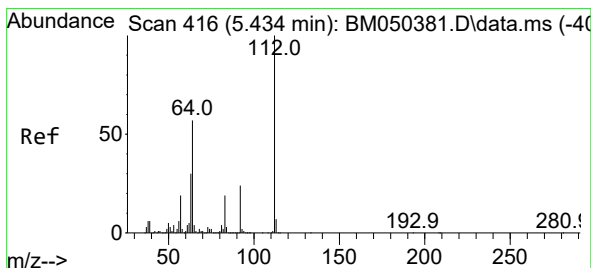
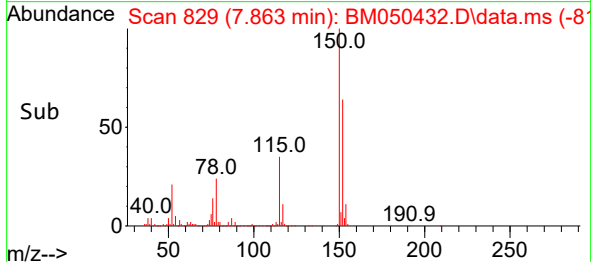
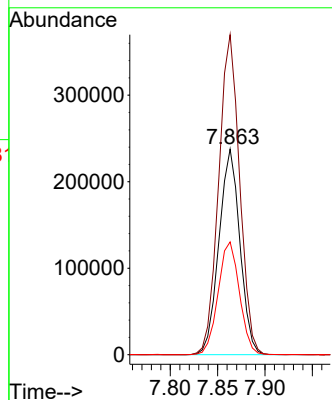
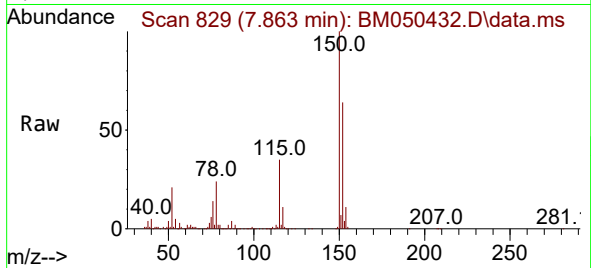




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM050432.D
Acq: 14 Jul 2025 18:54

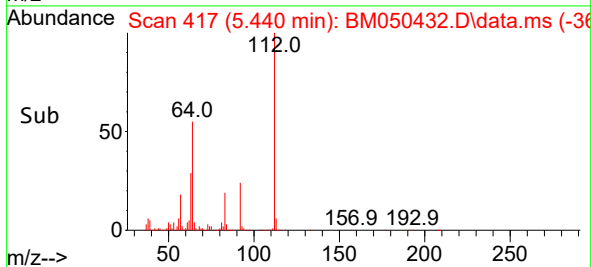
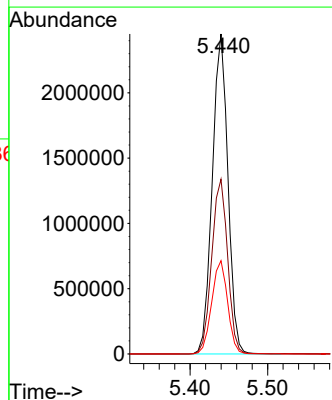
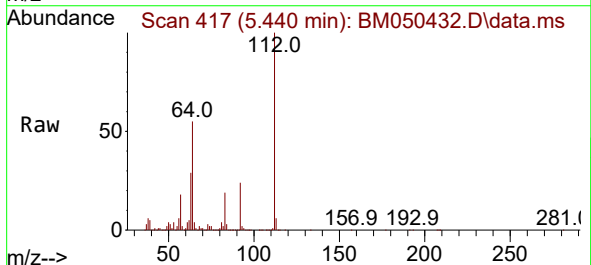
Instrument :
BNA_M
ClientSampleId :
PB168820BL

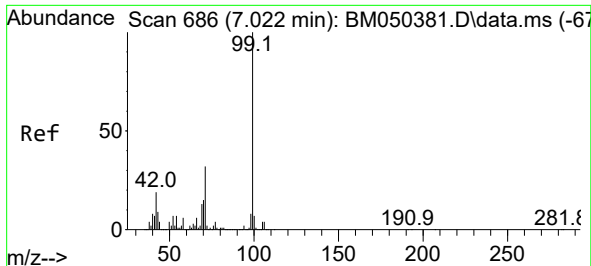
Tgt Ion:152 Resp: 365994
Ion Ratio Lower Upper
152 100
150 155.6 126.2 189.4
115 54.9 45.8 68.8



#5
2-Fluorophenol
Concen: 161.300 ng
RT: 5.440 min Scan# 417
Delta R.T. 0.006 min
Lab File: BM050432.D
Acq: 14 Jul 2025 18:54

Tgt Ion:112 Resp: 3429626
Ion Ratio Lower Upper
112 100
64 54.6 45.5 68.3
63 29.1 24.2 36.4



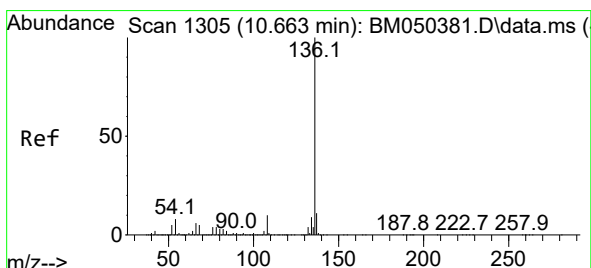
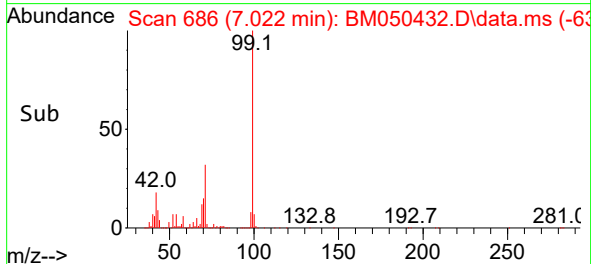
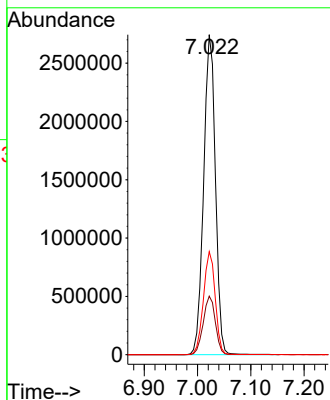
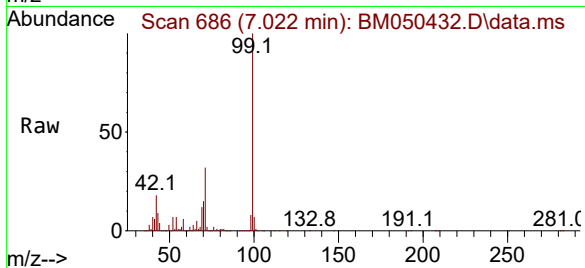


#7
Phenol-d6
Concen: 157.001 ng
RT: 7.022 min Scan# 686
Delta R.T. 0.000 min
Lab File: BM050432.D
Acq: 14 Jul 2025 18:54

Instrument :
BNA_M
ClientSampleId :
PB168820BL

Tgt Ion: 99 Resp: 4208201

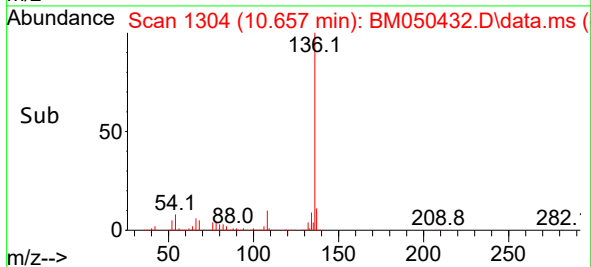
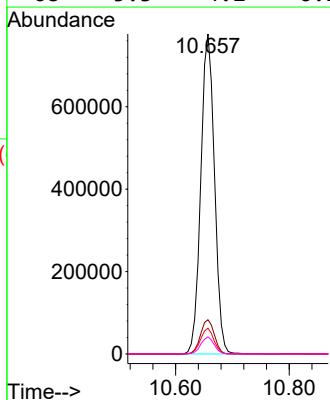
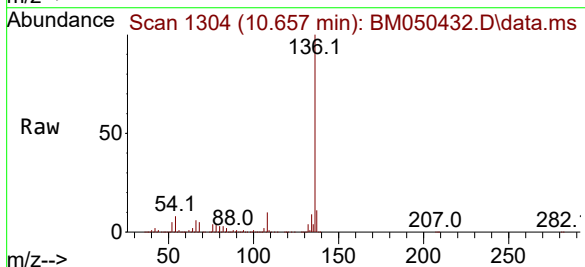
Ion	Ratio	Lower	Upper
99	100		
42	18.3	15.0	22.6
71	32.2	25.9	38.9

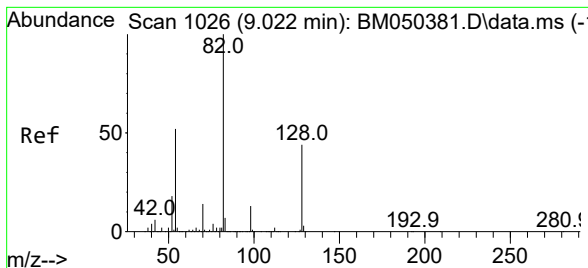


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM050432.D
Acq: 14 Jul 2025 18:54

Tgt Ion: 136 Resp: 1297145

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	8.0	6.3	9.5
68	5.3	4.2	6.2

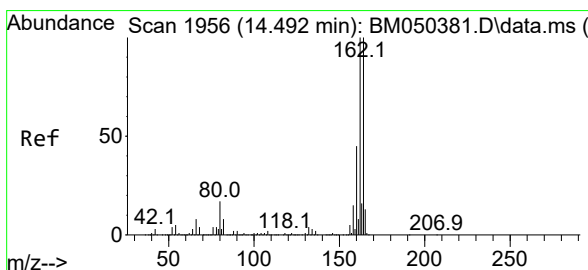
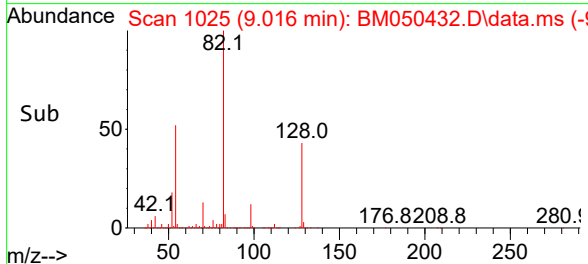
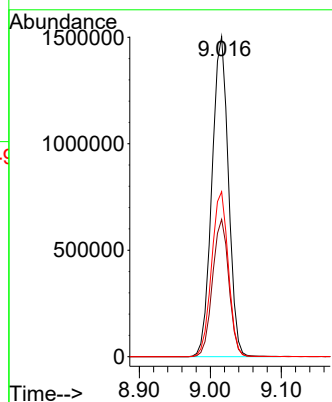
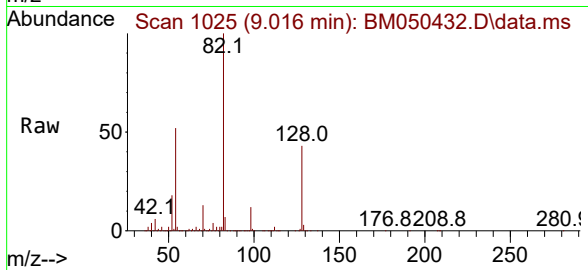




#23
Nitrobenzene-d5
Concen: 95.312 ng
RT: 9.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM050432.D
Acq: 14 Jul 2025 18:54

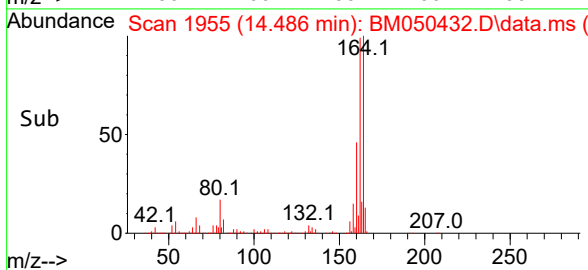
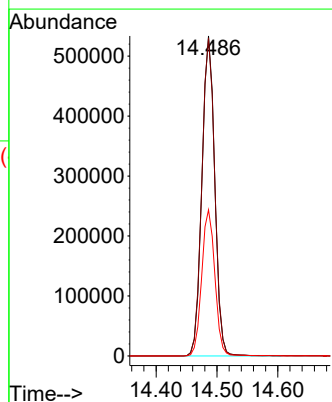
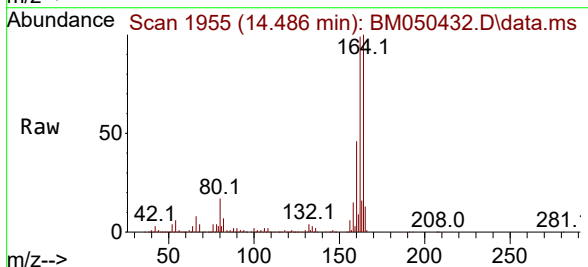
Instrument :
BNA_M
ClientSampleId :
PB168820BL

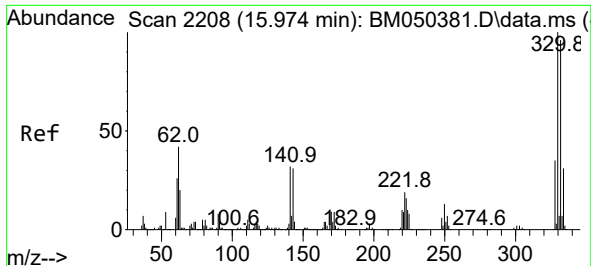
Tgt Ion: 82 Resp: 2423333
Ion Ratio Lower Upper
82 100
128 42.9 35.2 52.8
54 51.6 41.5 62.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.006 min
Lab File: BM050432.D
Acq: 14 Jul 2025 18:54

Tgt Ion: 164 Resp: 778529
Ion Ratio Lower Upper
164 100
162 99.4 79.9 119.9
160 45.6 36.2 54.4

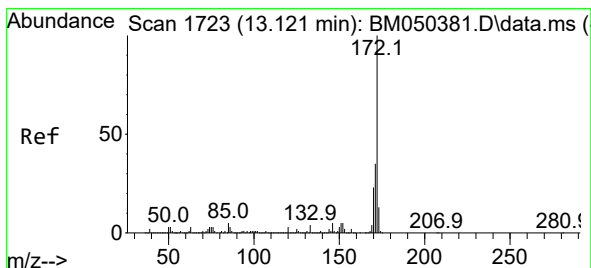
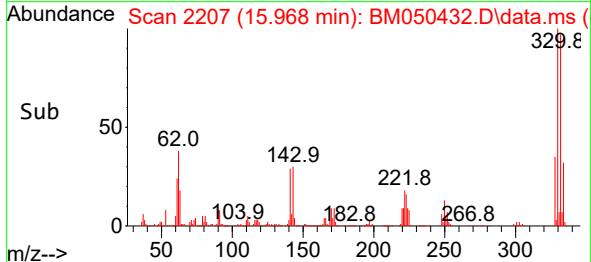
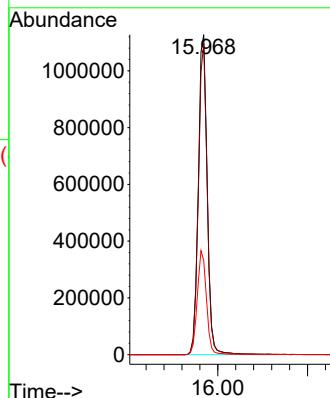
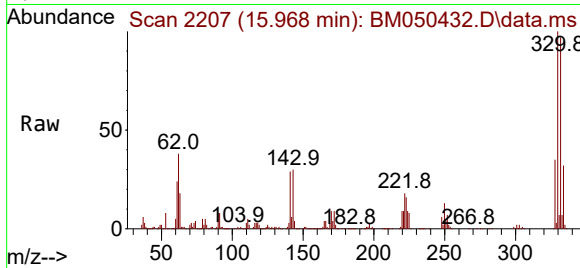




#42
2,4,6-Tribromophenol
Concen: 164.388 ng
RT: 15.968 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050432.D
Acq: 14 Jul 2025 18:54

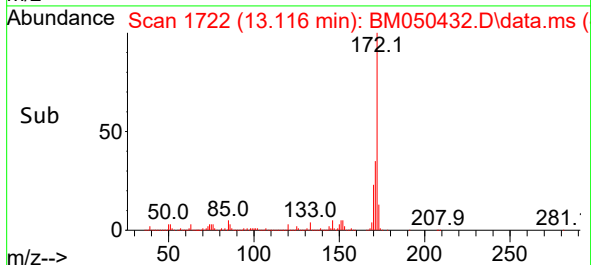
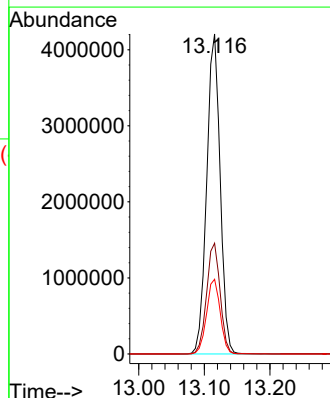
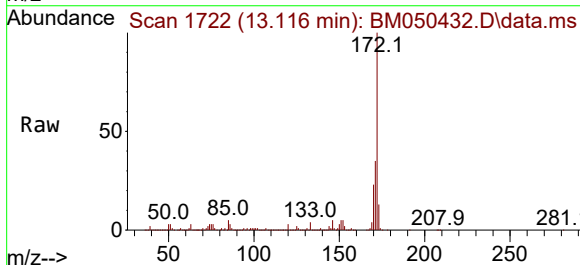
Instrument :
BNA_M
ClientSampleId :
PB168820BL

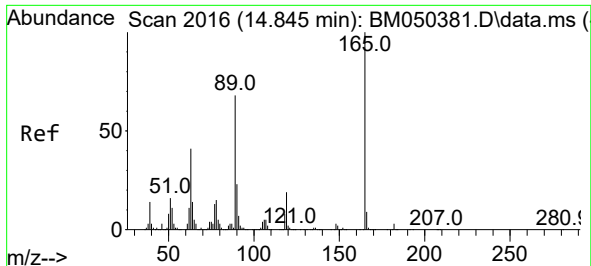
Tgt Ion:330 Resp: 1554980
Ion Ratio Lower Upper
330 100
332 95.7 76.9 115.3
141 33.7 27.4 41.0



#45
2-Fluorobiphenyl
Concen: 95.399 ng
RT: 13.116 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BM050432.D
Acq: 14 Jul 2025 18:54

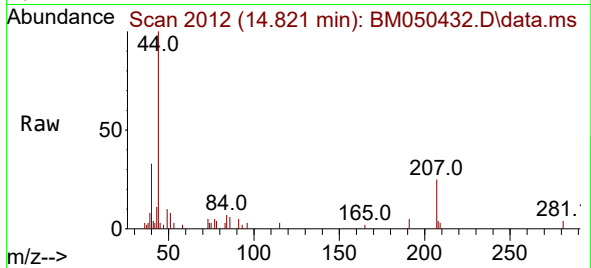
Tgt Ion:172 Resp: 6014177
Ion Ratio Lower Upper
172 100
171 34.6 27.7 41.5
170 23.4 18.8 28.2



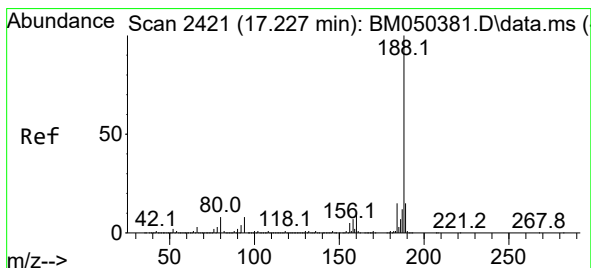
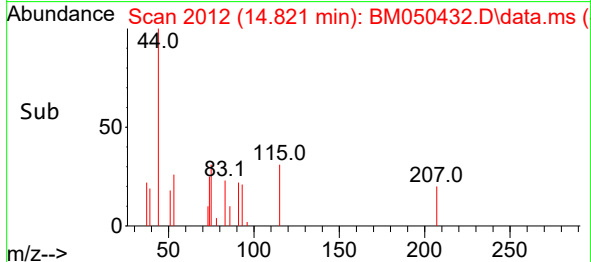
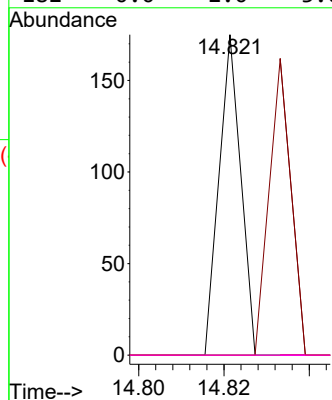


#57
2,4-Dinitrotoluene
Concen: 2.728 ng
RT: 14.821 min Scan# 2016
Delta R.T. -0.024 min
Lab File: BM050432.D
Acq: 14 Jul 2025 18:54

Instrument :
BNA_M
ClientSampleId :
PB168820BL

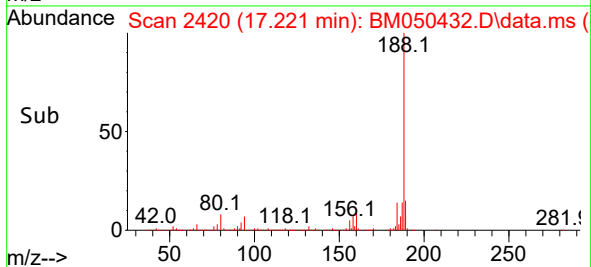
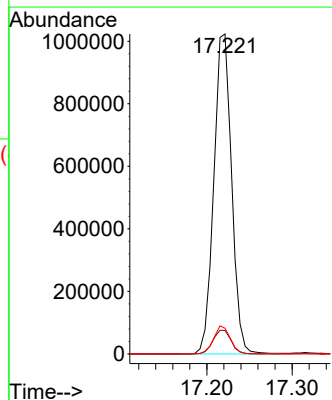
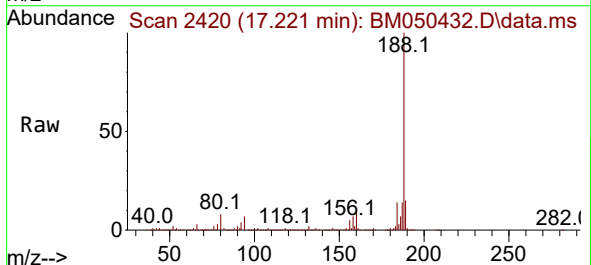


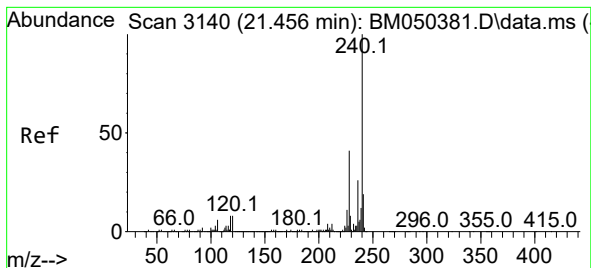
Tgt Ion:165 Resp: 62
Ion Ratio Lower Upper
165 100
63 0.0 32.5 48.7#
89 0.0 54.0 81.0#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BM050432.D
Acq: 14 Jul 2025 18:54

Tgt Ion:188 Resp: 1483211
Ion Ratio Lower Upper
188 100
94 7.4 6.0 9.0
80 8.0 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: BM050432.D

Acq: 14 Jul 2025 18:54

Instrument :

BNA_M

ClientSampleId :

PB168820BL

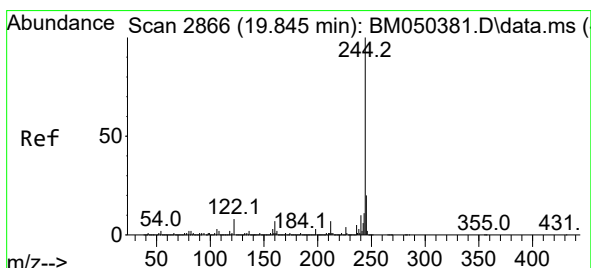
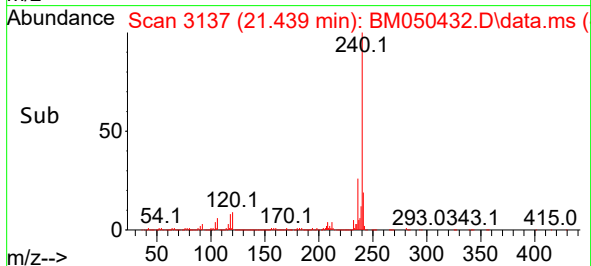
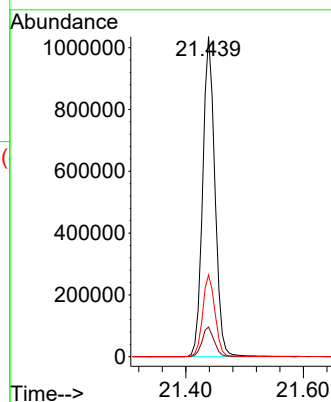
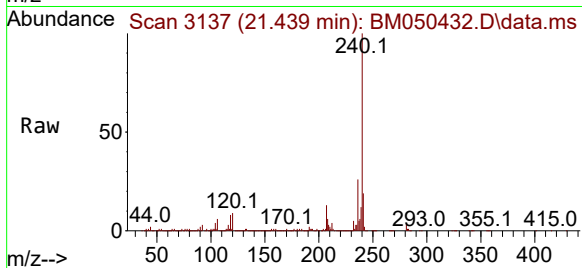
Tgt Ion:240 Resp: 1497440

Ion Ratio Lower Upper

240 100

120 9.2 6.7 10.1

236 25.6 20.7 31.1



#79

Terphenyl-d14

Concen: 115.091 ng

RT: 19.833 min Scan# 2864

Delta R.T. -0.012 min

Lab File: BM050432.D

Acq: 14 Jul 2025 18:54

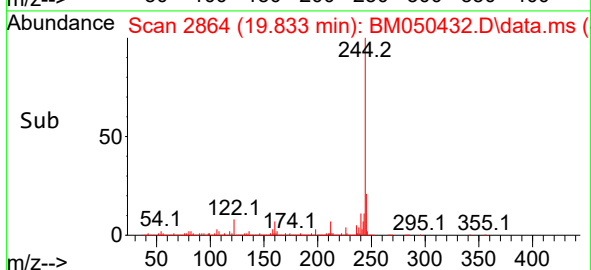
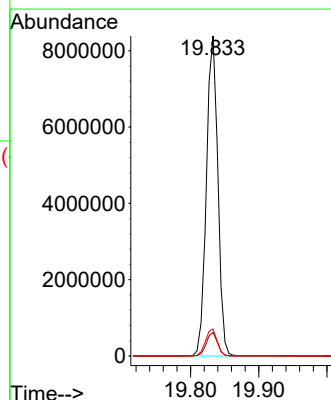
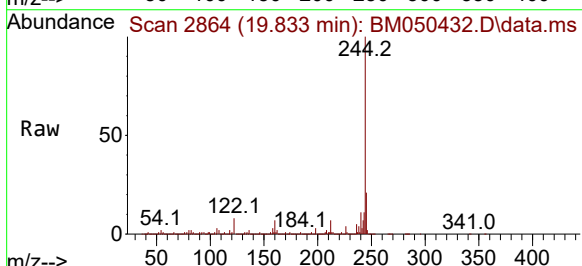
Tgt Ion:244 Resp: 9795135

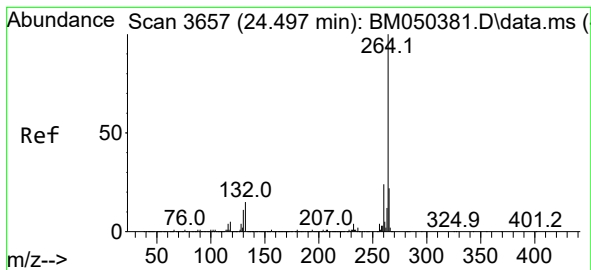
Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

122 8.5 6.2 9.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.468 min Scan# 30
 Delta R.T. -0.029 min
 Lab File: BM050432.D
 Acq: 14 Jul 2025 18:54

Instrument :
 BNA_M
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Tgt Ion:264 Resp: 1585798
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 21.9 17.8 26.6

