

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
 Data File : BM050440.D
 Acq On : 15 Jul 2025 00:13
 Operator : RC/JU
 Sample : Q2578-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-A2-10-C

Quant Time: Jul 15 02:06:04 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)

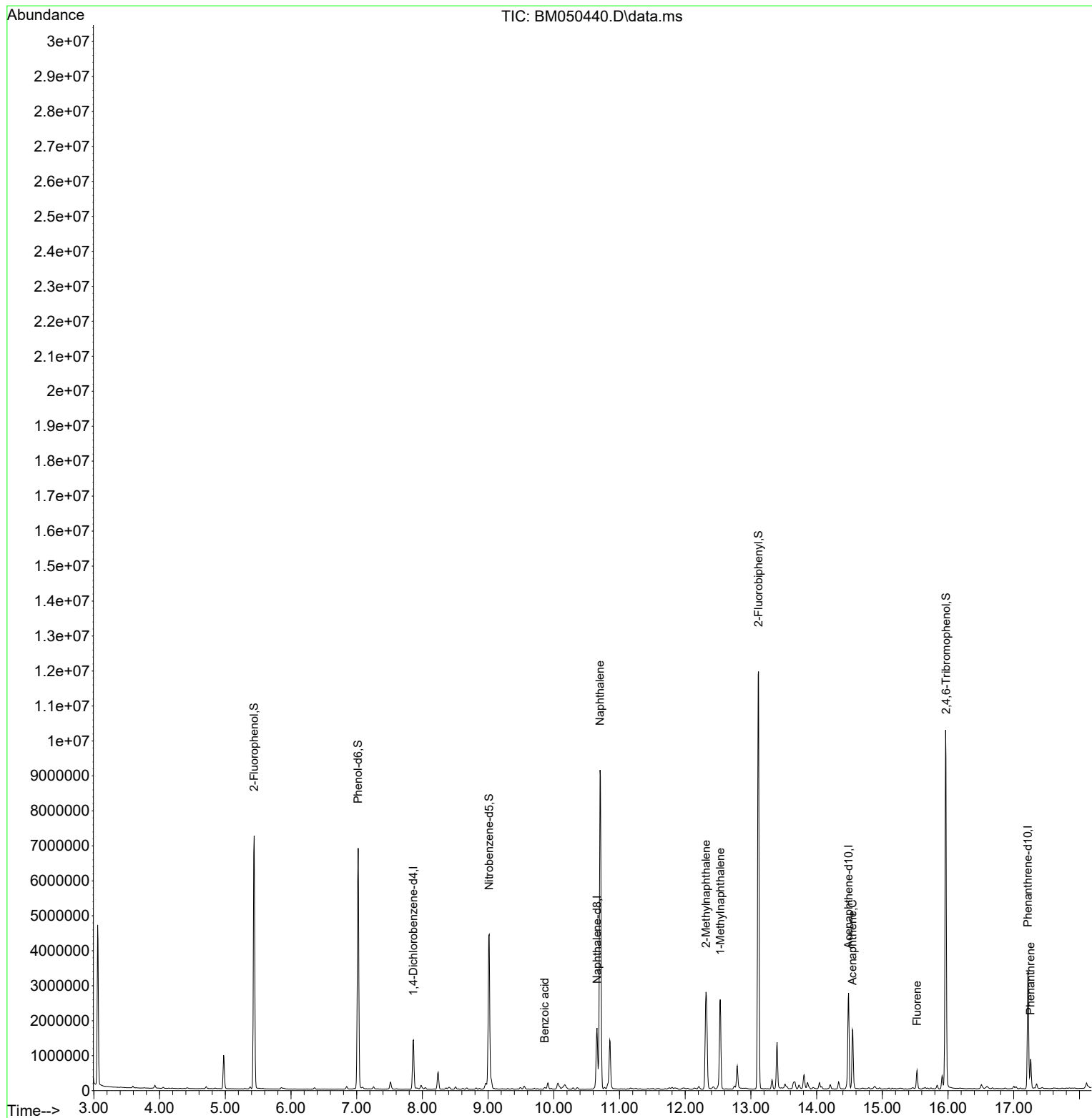
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	396203	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	1451303	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	964408	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	1929252	20.000	ng	-0.01
76) Chrysene-d12	21.433	240	1878020	20.000	ng	-0.02
86) Perylene-d12	24.462	264	1921664	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	3062881	133.068	ng	0.00
7) Phenol-d6	7.022	99	3653974	125.930	ng	0.00
23) Nitrobenzene-d5	9.016	82	2454199	86.273	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	1875599	160.066	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	6349448	81.305	ng	0.00
79) Terphenyl-d14	19.827	244	10799854	101.180	ng	-0.02
Target Compounds						
						Qvalue
31) Naphthalene	10.704	128	7482278	101.502	ng	100
32) Benzoic acid	9.863	122	13757	6.866	ng	83
37) 2-Methylnaphthalene	12.316	142	1075246	23.101	ng	99
38) 1-Methylnaphthalene	12.533	142	1189713	24.153	ng	98
52) Acenaphthene	14.545	154	600751	10.960	ng	98
58) Fluorene	15.527	166	221384	3.182	ng	98
71) Phenanthrene	17.257	178	496422	4.547	ng	100

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

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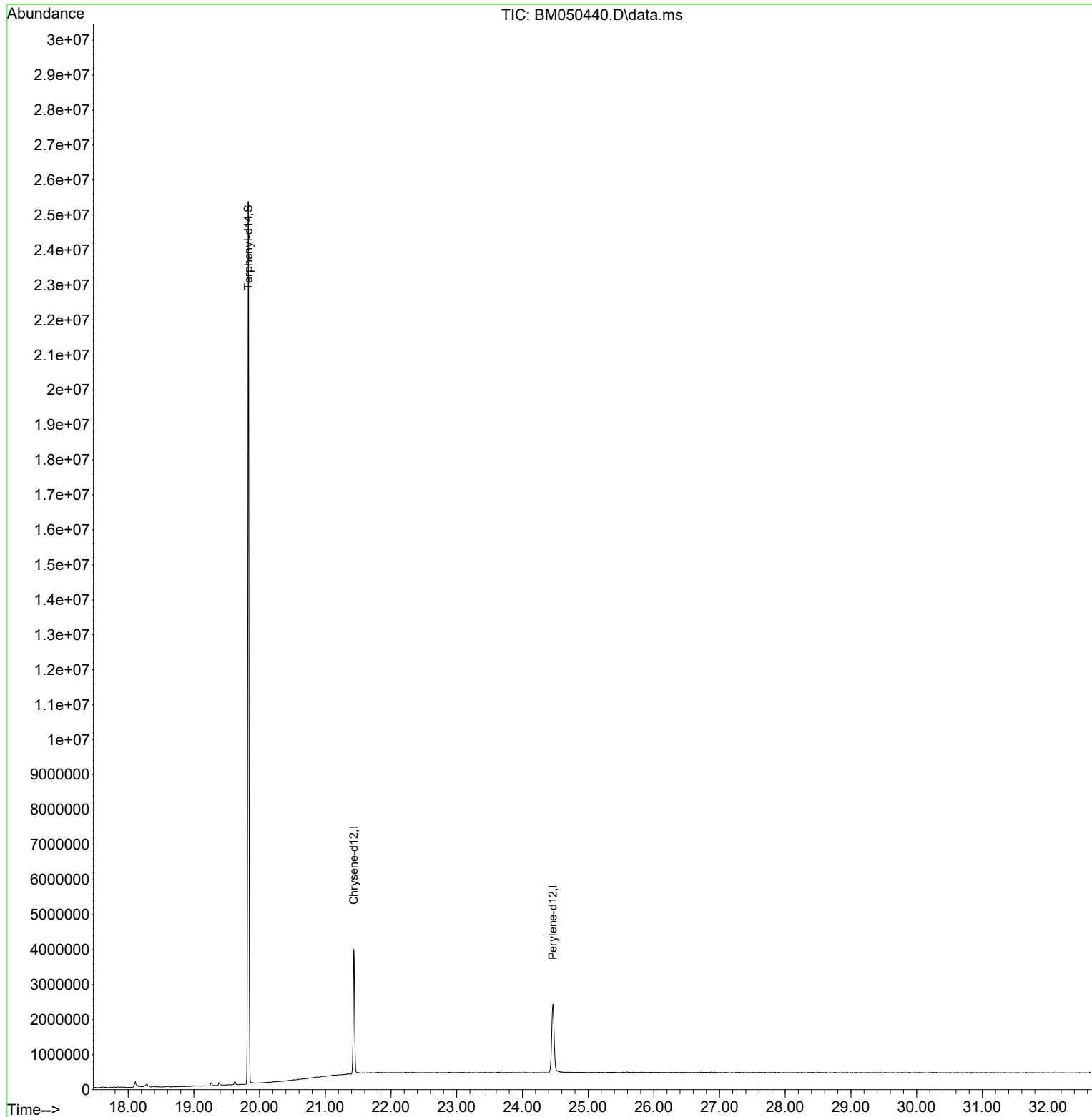
Quant Time: Jul 15 02:06:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

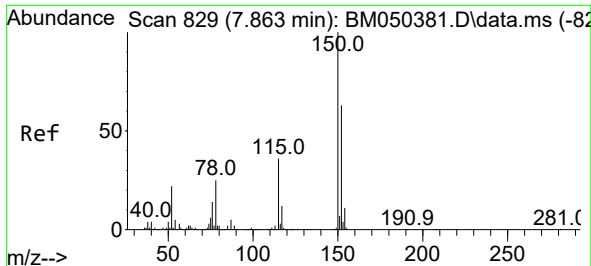


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
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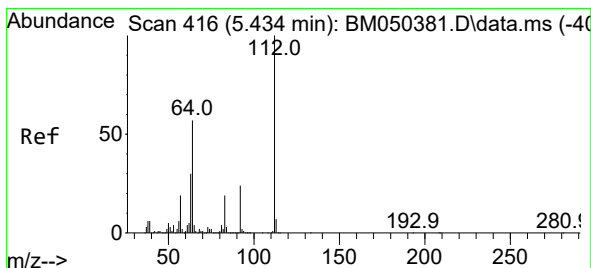
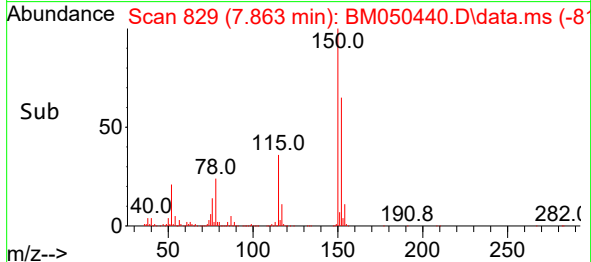
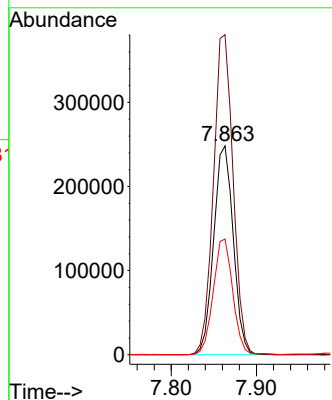
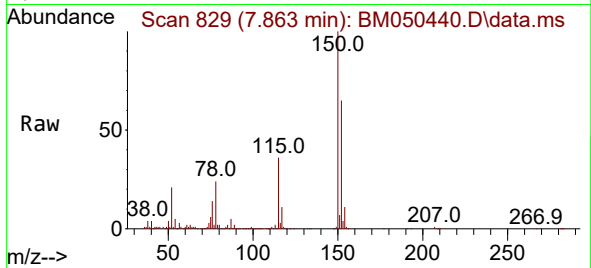




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM050440.D
Acq: 15 Jul 2025 00:13

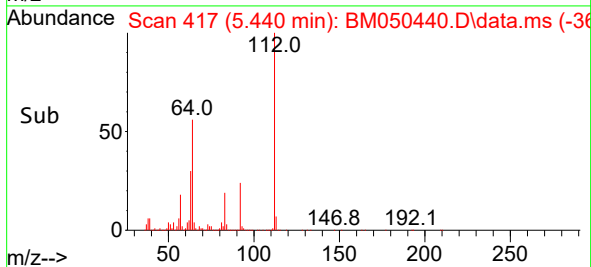
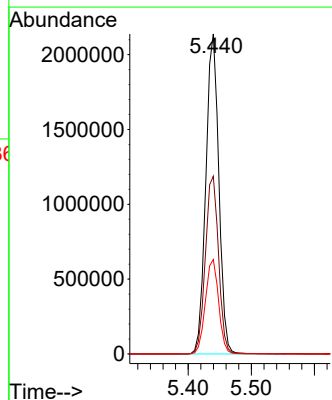
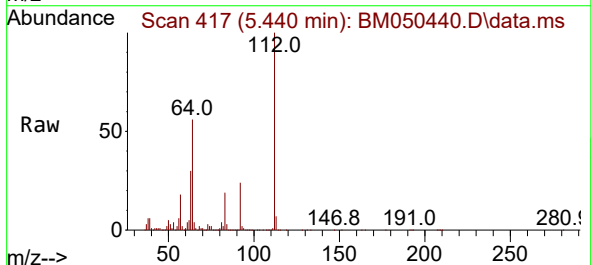
Instrument :
BNA_M
ClientSampleId :
WC-A2-10-C

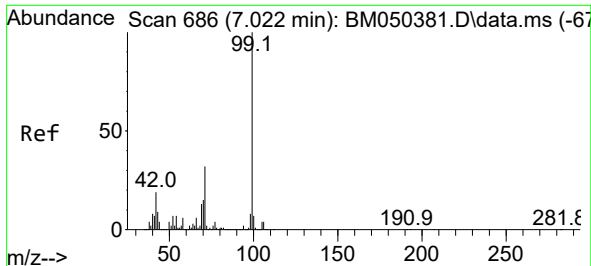
Tgt Ion:152 Resp: 396203
Ion Ratio Lower Upper
152 100
150 153.2 126.2 189.4
115 55.4 45.8 68.8



#5
2-Fluorophenol
Concen: 133.068 ng
RT: 5.440 min Scan# 417
Delta R.T. 0.006 min
Lab File: BM050440.D
Acq: 15 Jul 2025 00:13

Tgt Ion:112 Resp: 3062881
Ion Ratio Lower Upper
112 100
64 55.6 45.5 68.3
63 29.5 24.2 36.4



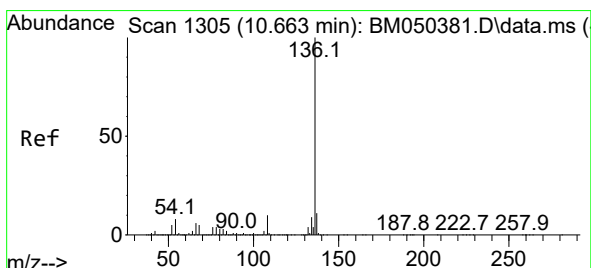
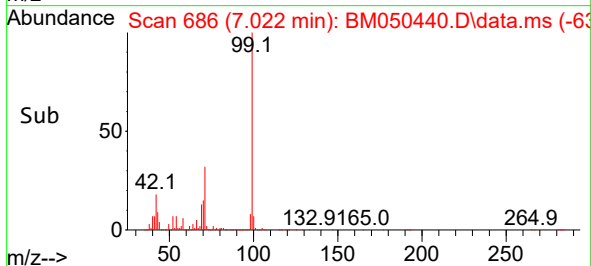
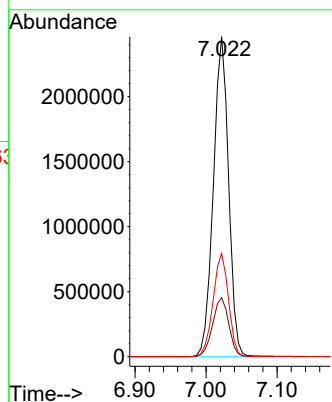
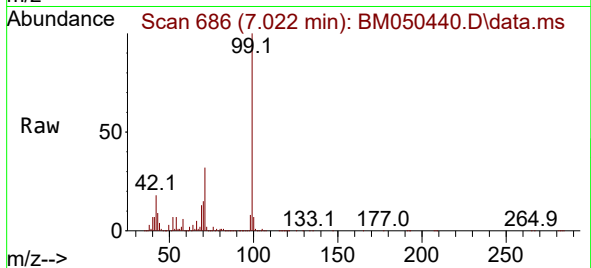


#7
Phenol-d6
Concen: 125.930 ng
RT: 7.022 min Scan# 686
Delta R.T. 0.000 min
Lab File: BM050440.D
Acq: 15 Jul 2025 00:13

Instrument :
BNA_M
ClientSampleId :
WC-A2-10-C

Tgt Ion: 99 Resp: 3653974

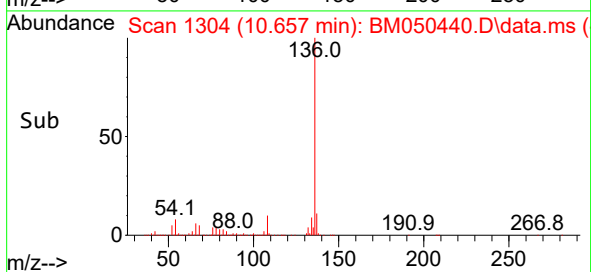
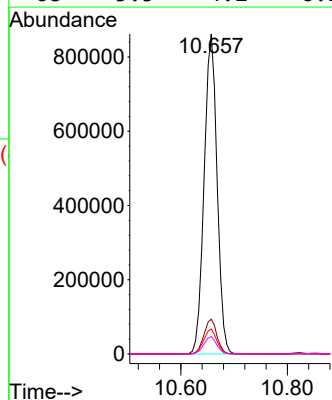
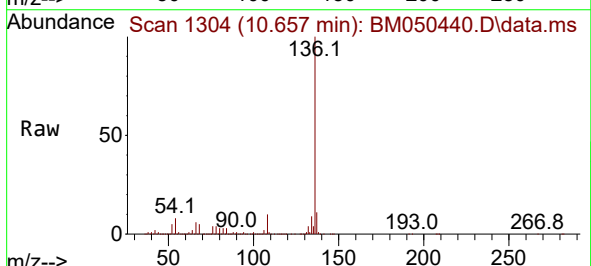
Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.0	22.6
71	32.3	25.9	38.9

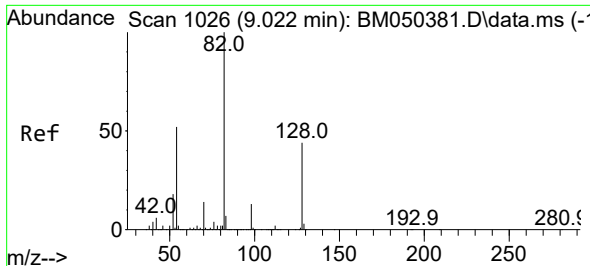


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM050440.D
Acq: 15 Jul 2025 00:13

Tgt Ion: 136 Resp: 1451303

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.8	6.3	9.5
68	5.5	4.2	6.2

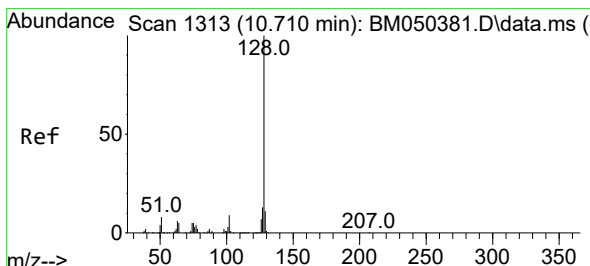
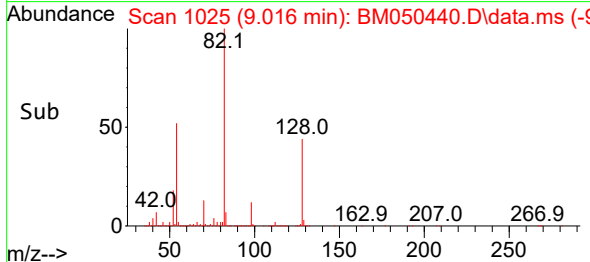
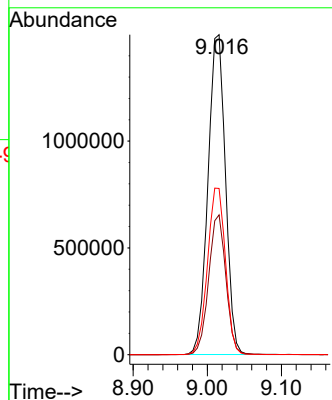
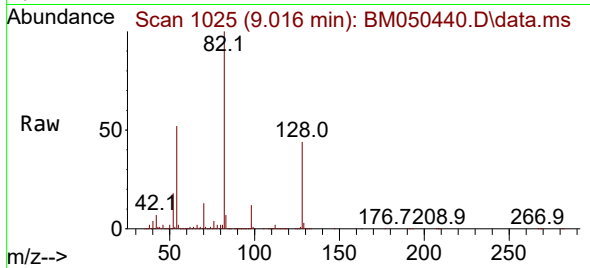




#23
Nitrobenzene-d5
Concen: 86.273 ng
RT: 9.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM050440.D
Acq: 15 Jul 2025 00:13

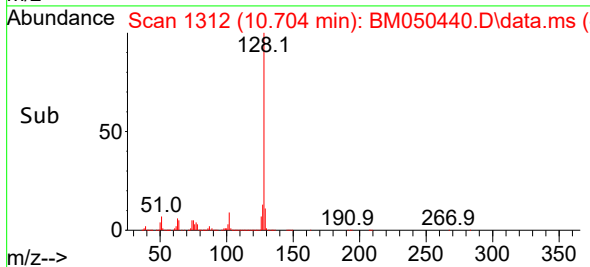
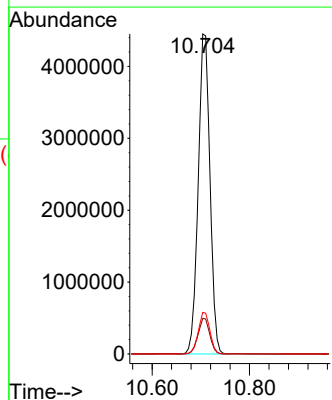
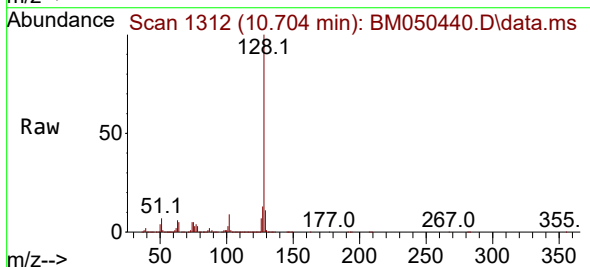
Instrument :
BNA_M
ClientSampleId :
WC-A2-10-C

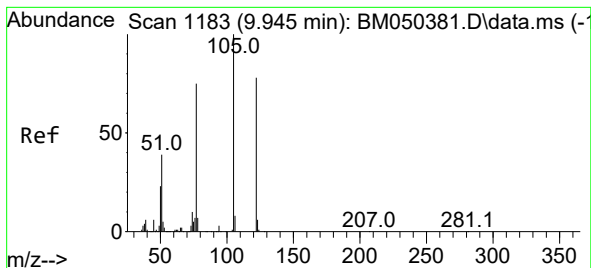
Tgt Ion: 82 Resp: 2454199
Ion Ratio Lower Upper
82 100
128 43.7 35.2 52.8
54 51.9 41.5 62.3



#31
Naphthalene
Concen: 101.502 ng
RT: 10.704 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BM050440.D
Acq: 15 Jul 2025 00:13

Tgt Ion: 128 Resp: 7482278
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.0 10.4 15.6





#32

Benzoic acid

Concen: 6.866 ng

RT: 9.863 min Scan# 1169

Delta R.T. -0.082 min

Lab File: BM050440.D

Acq: 15 Jul 2025 00:13

Instrument :

BNA_M

ClientSampleId :

WC-A2-10-C

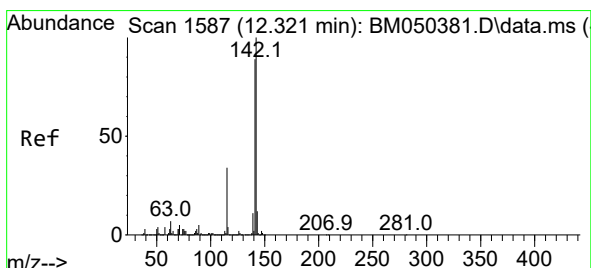
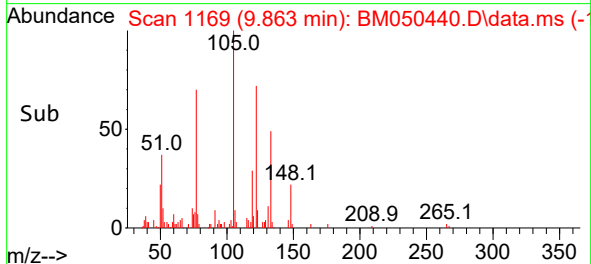
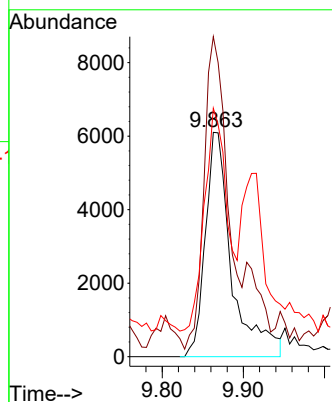
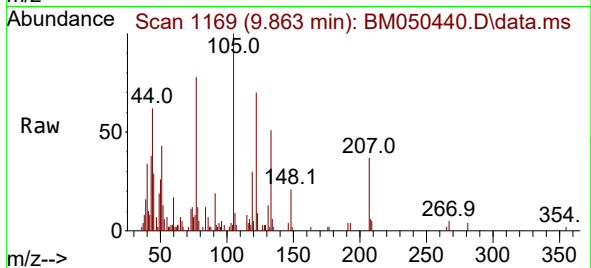
Tgt Ion:122 Resp: 13757

Ion Ratio Lower Upper

122 100

105 142.6 104.0 144.0

77 110.7 73.8 113.8



#37

2-Methylnaphthalene

Concen: 23.101 ng

RT: 12.316 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BM050440.D

Acq: 15 Jul 2025 00:13

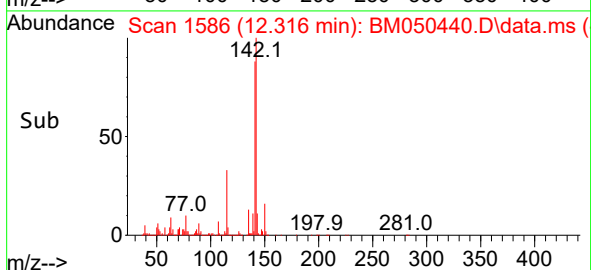
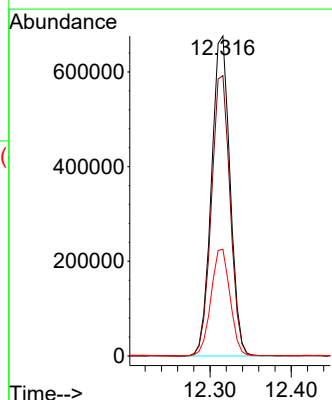
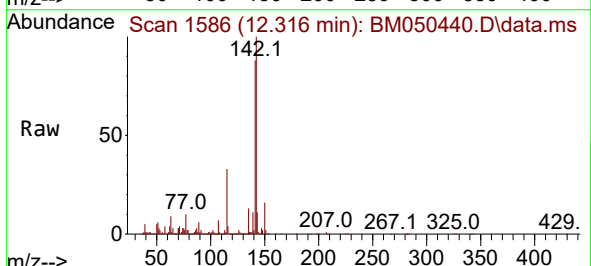
Tgt Ion:142 Resp: 1075246

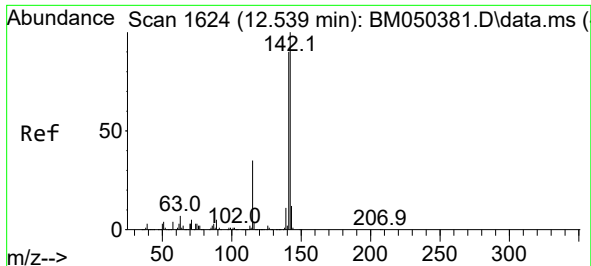
Ion Ratio Lower Upper

142 100

141 87.6 70.8 106.2

115 33.3 27.0 40.4

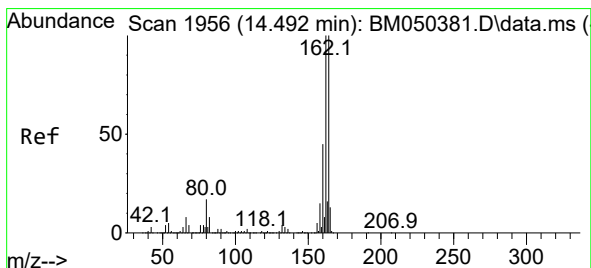
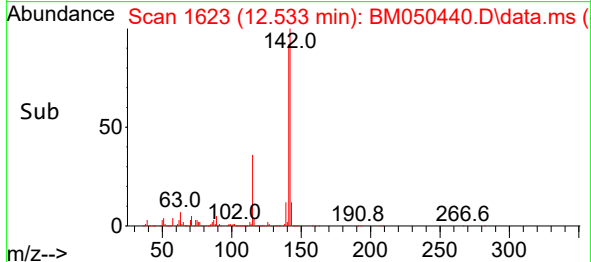
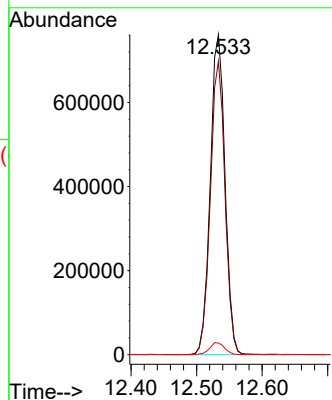
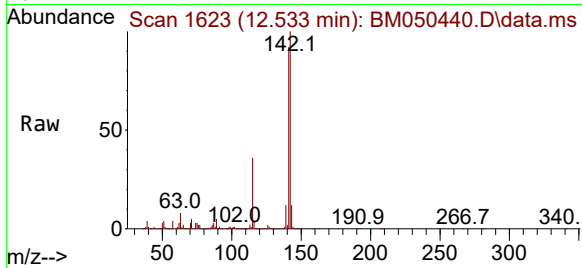




#38
1-Methylnaphthalene
Concen: 24.153 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050440.D
Acq: 15 Jul 2025 00:13

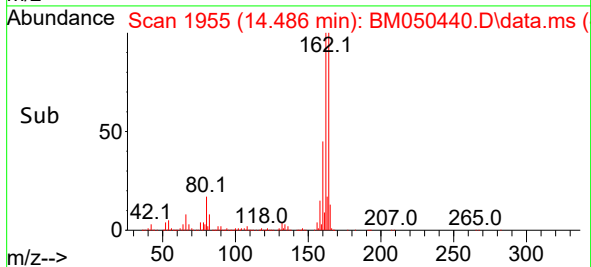
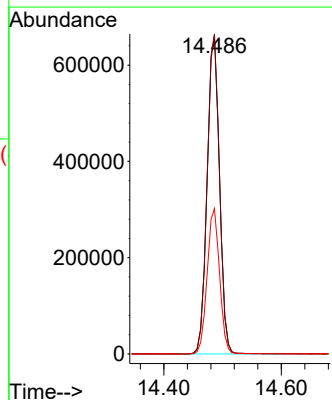
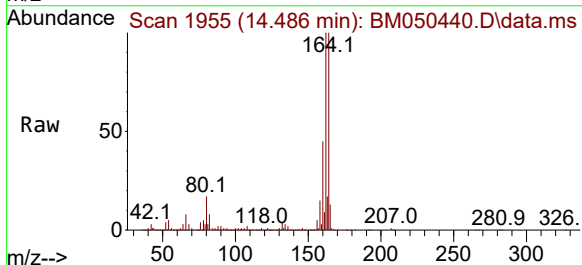
Instrument :
BNA_M
ClientSampleId :
WC-A2-10-C

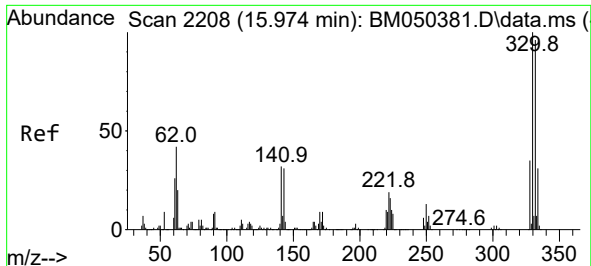
Tgt Ion:142 Resp: 1189713
Ion Ratio Lower Upper
142 100
141 91.6 71.9 107.9
116 3.7 3.0 4.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.006 min
Lab File: BM050440.D
Acq: 15 Jul 2025 00:13

Tgt Ion:164 Resp: 964408
Ion Ratio Lower Upper
164 100
162 100.4 79.9 119.9
160 45.6 36.2 54.4

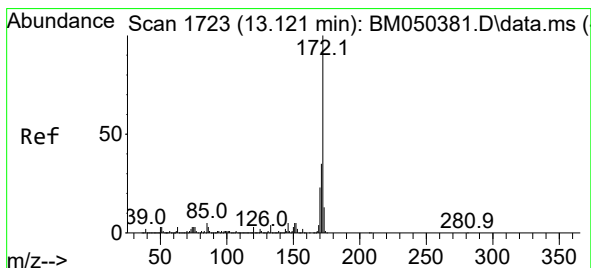
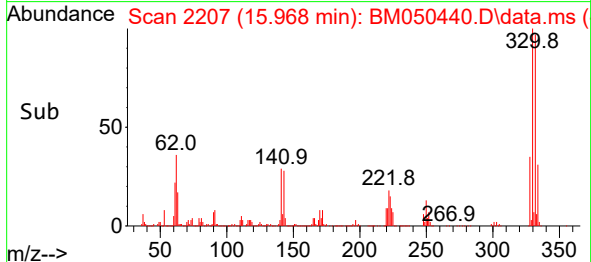
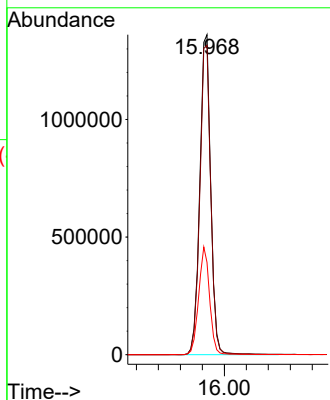
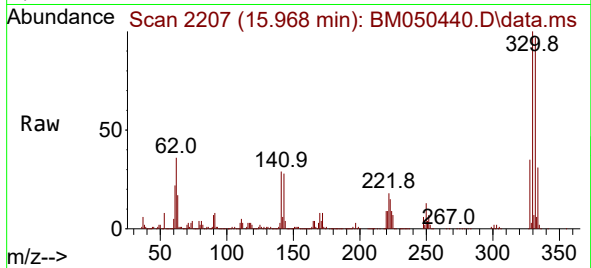




#42
2,4,6-Tribromophenol
Concen: 160.066 ng
RT: 15.968 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050440.D
Acq: 15 Jul 2025 00:13

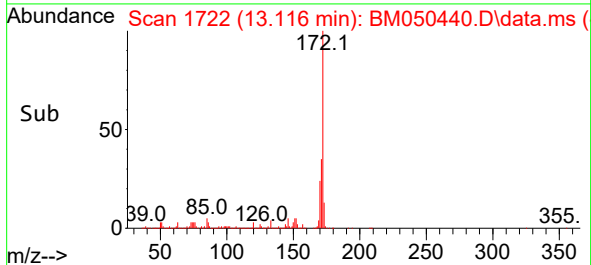
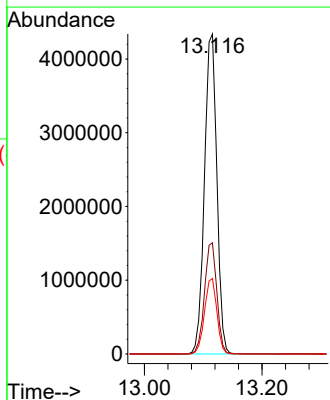
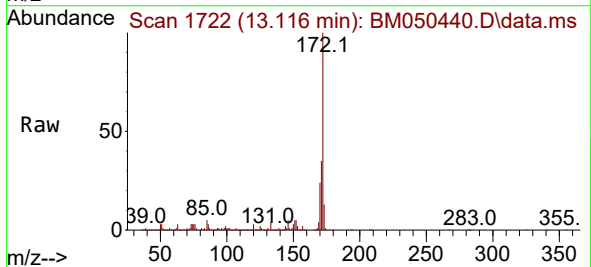
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BNA_M
ClientSampleId :
WC-A2-10-C

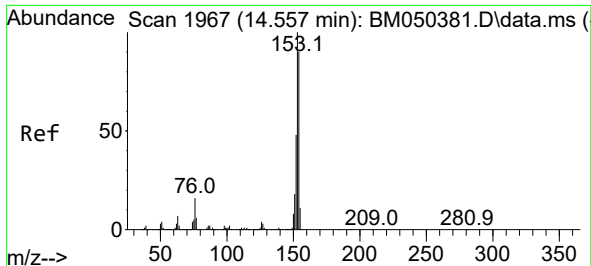
Tgt Ion:330 Resp: 1875599
Ion Ratio Lower Upper
330 100
332 96.8 76.9 115.3
141 33.8 27.4 41.0



#45
2-Fluorobiphenyl
Concen: 81.305 ng
RT: 13.116 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BM050440.D
Acq: 15 Jul 2025 00:13

Tgt Ion:172 Resp: 6349448
Ion Ratio Lower Upper
172 100
171 34.8 27.7 41.5
170 23.6 18.8 28.2

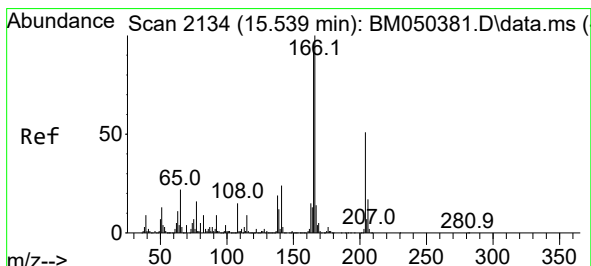
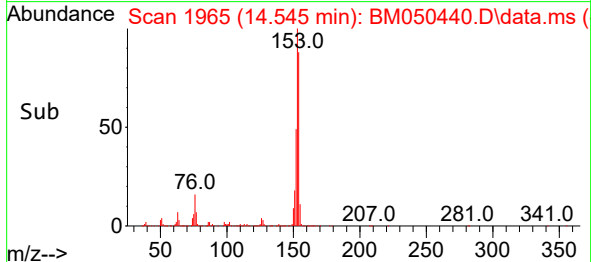
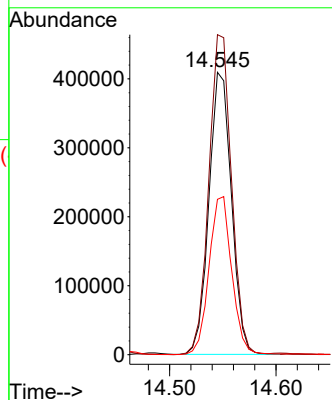
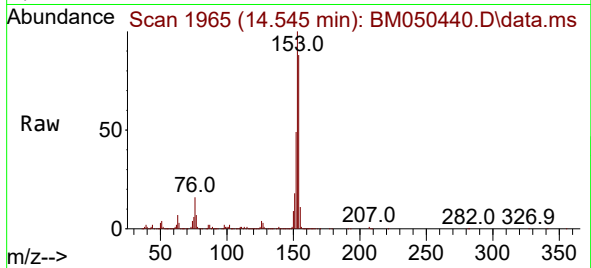




#52
Acenaphthene
Concen: 10.960 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.012 min
Lab File: BM050440.D
Acq: 15 Jul 2025 00:13

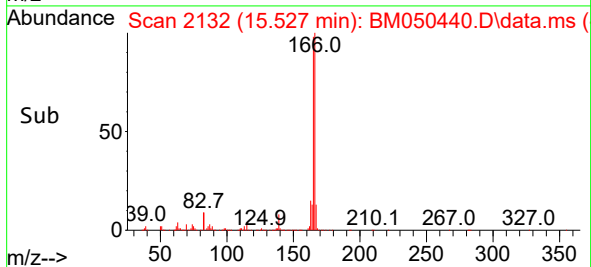
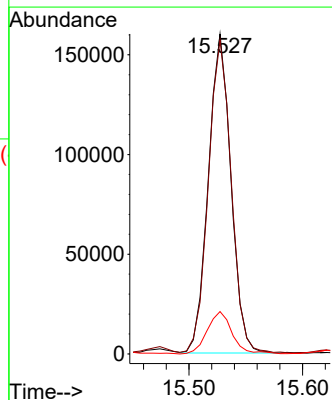
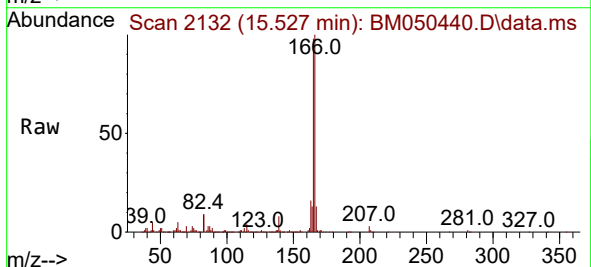
Instrument :
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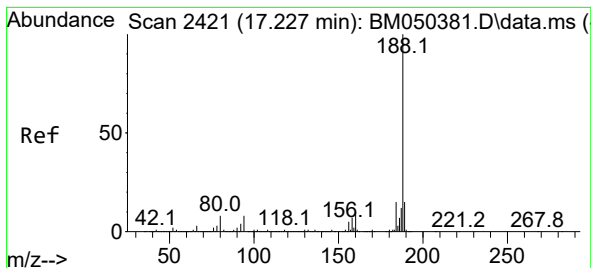
Tgt Ion:154 Resp: 600751
Ion Ratio Lower Upper
154 100
153 113.3 89.2 133.8
152 55.0 42.6 64.0



#58
Fluorene
Concen: 3.182 ng
RT: 15.527 min Scan# 2132
Delta R.T. -0.012 min
Lab File: BM050440.D
Acq: 15 Jul 2025 00:13

Tgt Ion:166 Resp: 221384
Ion Ratio Lower Upper
166 100
165 98.1 77.0 115.6
167 13.3 10.9 16.3

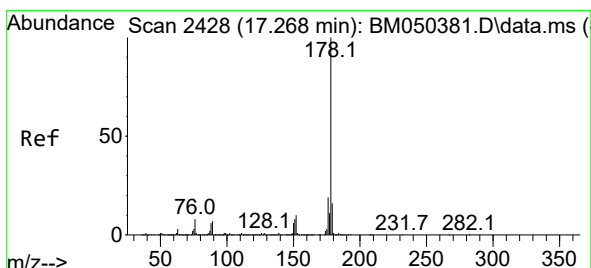
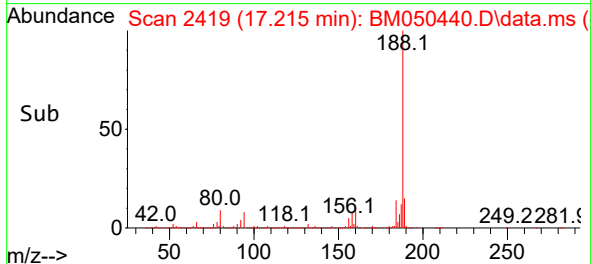
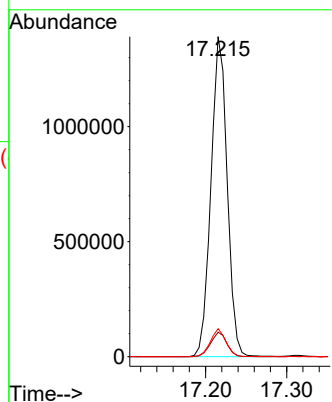
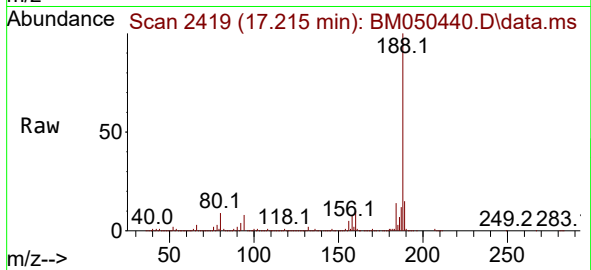




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2419
Delta R.T. -0.012 min
Lab File: BM050440.D
Acq: 15 Jul 2025 00:13

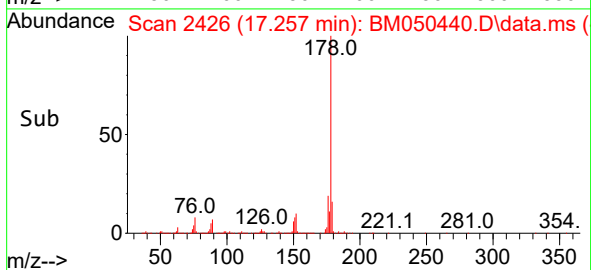
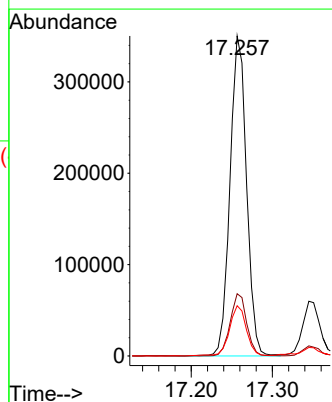
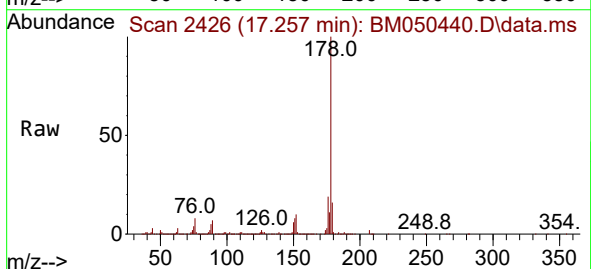
Instrument :
BNA_M
ClientSampleId :
WC-A2-10-C

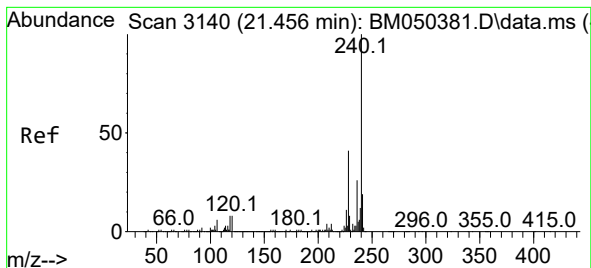
Tgt Ion:188 Resp: 1929252
Ion Ratio Lower Upper
188 100
94 7.7 6.0 9.0
80 8.7 6.5 9.7



#71
Phenanthrene
Concen: 4.547 ng
RT: 17.257 min Scan# 2426
Delta R.T. -0.012 min
Lab File: BM050440.D
Acq: 15 Jul 2025 00:13

Tgt Ion:178 Resp: 496422
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.7 12.5 18.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.433 min Scan# 3140

Delta R.T. -0.023 min

Lab File: BM050440.D

Acq: 15 Jul 2025 00:13

Instrument :

BNA_M

ClientSampleId :

WC-A2-10-C

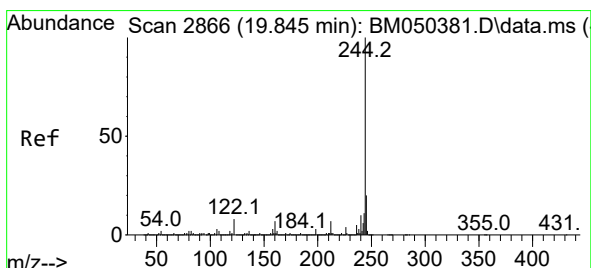
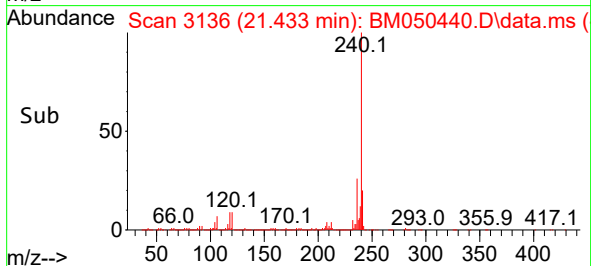
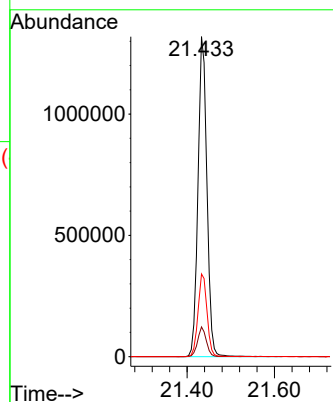
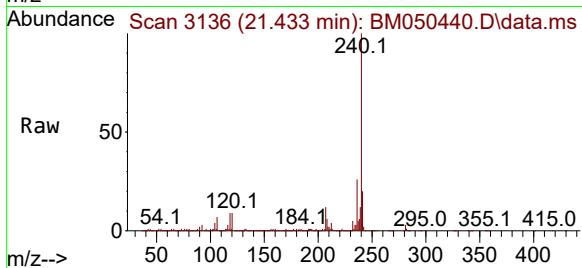
Tgt Ion:240 Resp: 1878020

Ion Ratio Lower Upper

240 100

120 9.3 6.7 10.1

236 25.9 20.7 31.1



#79

Terphenyl-d14

Concen: 101.180 ng

RT: 19.827 min Scan# 2863

Delta R.T. -0.018 min

Lab File: BM050440.D

Acq: 15 Jul 2025 00:13

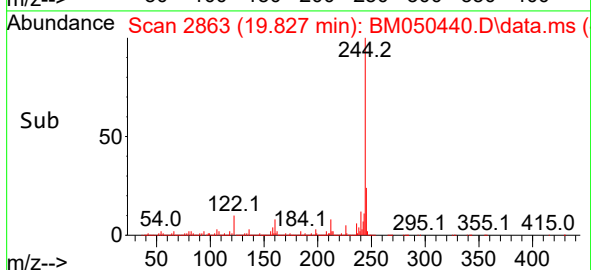
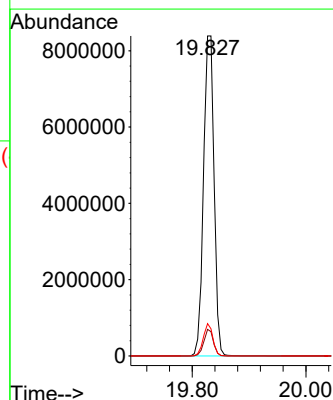
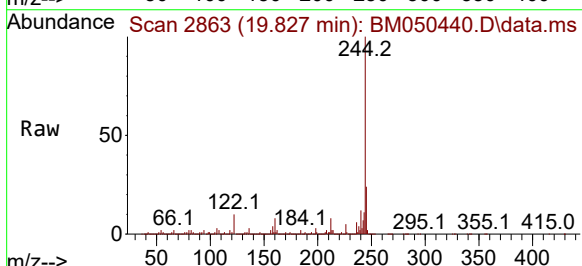
Tgt Ion:244 Resp:10799854

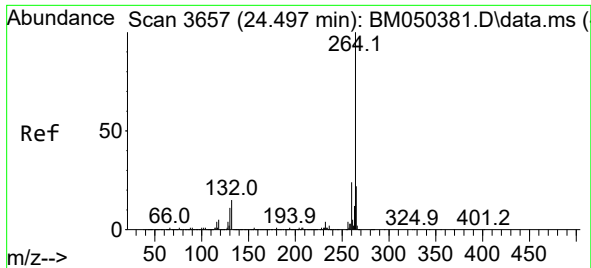
Ion Ratio Lower Upper

244 100

212 8.3 5.7 8.5

122 10.1 6.2 9.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.462 min Scan# 30
Delta R.T. -0.035 min
Lab File: BM050440.D
Acq: 15 Jul 2025 00:13

Instrument :
BNA_M
ClientSampleId :
WC-A2-10-C

Tgt Ion:264 Resp: 1921664
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 21.8 17.8 26.6

