

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071525\
 Data File : BM050453.D
 Acq On : 15 Jul 2025 13:31
 Operator : RC/JU
 Sample : Q2489-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G3(6-12)

Quant Time: Jul 15 14:59:27 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)

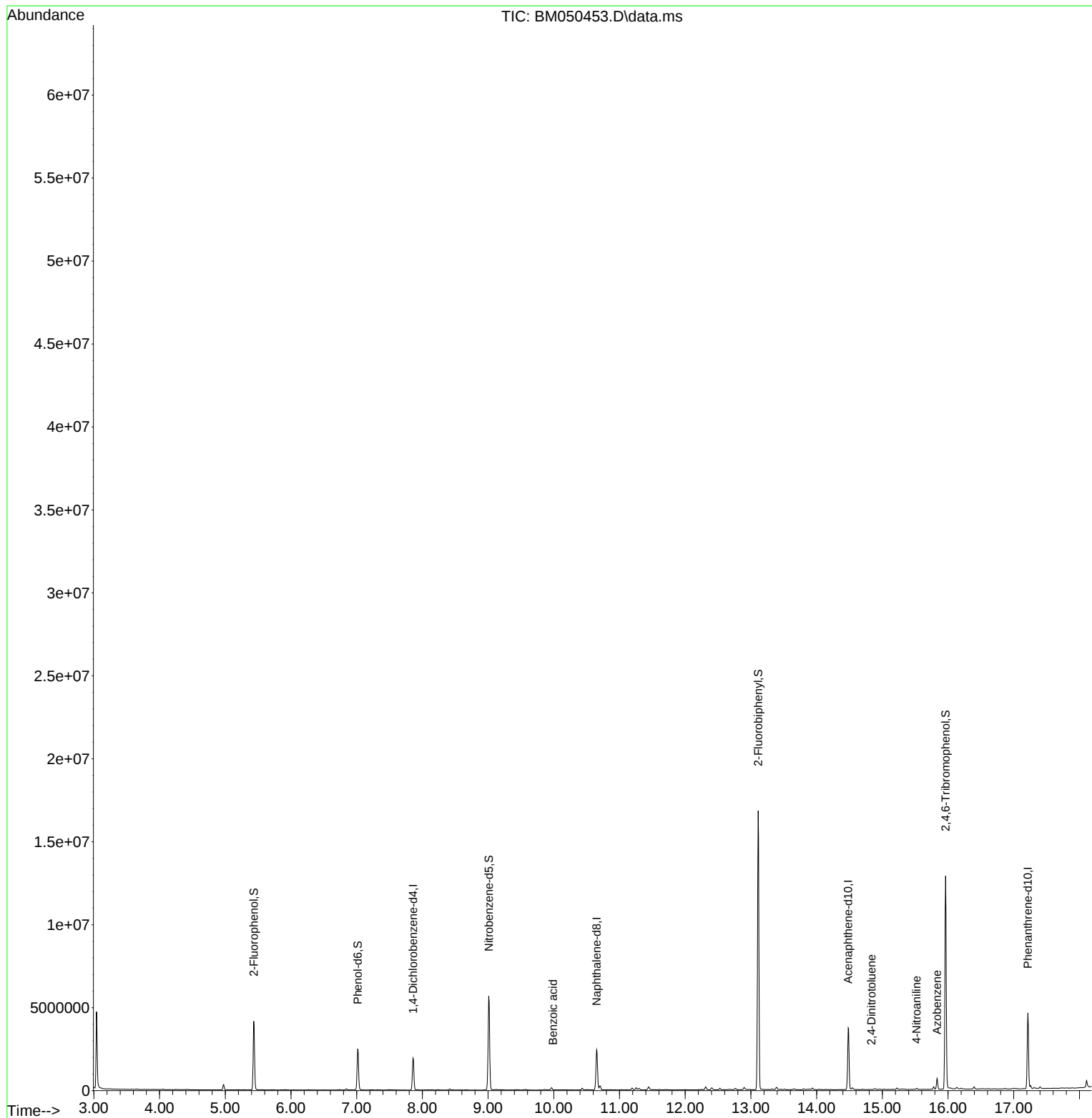
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	547137	20.000	ng	0.00
21) Naphthalene-d8	10.651	136	2071655	20.000	ng	-0.01
39) Acenaphthene-d10	14.480	164	1354730	20.000	ng	-0.01
64) Phenanthrene-d10	17.215	188	2708625	20.000	ng	-0.01
76) Chrysene-d12	21.439	240	2927484	20.000	ng	-0.02
86) Perylene-d12	24.468	264	3178618	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1769560	55.671	ng	0.00
7) Phenol-d6	7.016	99	1366197	34.096	ng	0.00
23) Nitrobenzene-d5	9.010	82	3136104	77.232	ng	-0.01
42) 2,4,6-Tribromophenol	15.963	330	2586376	157.130	ng	-0.01
45) 2-Fluorobiphenyl	13.110	172	8820412	80.404	ng	-0.01
79) Terphenyl-d14	19.827	244	12624538	75.875	ng	-0.02
Target Compounds						
						Qvalue
32) Benzoic acid	9.986	122	684	6.005	ng	# 4
57) 2,4-Dinitrotoluene	14.833	165	294	2.734	ng	# 90
62) 4-Nitroaniline	15.521	138	730	2.618	ng	# 84
63) Azobenzene	15.833	77	176641	2.159	ng	# 1
84) Bis(2-ethylhexyl)phtha...	21.345	149	17606941	179.406	ng	# 82

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

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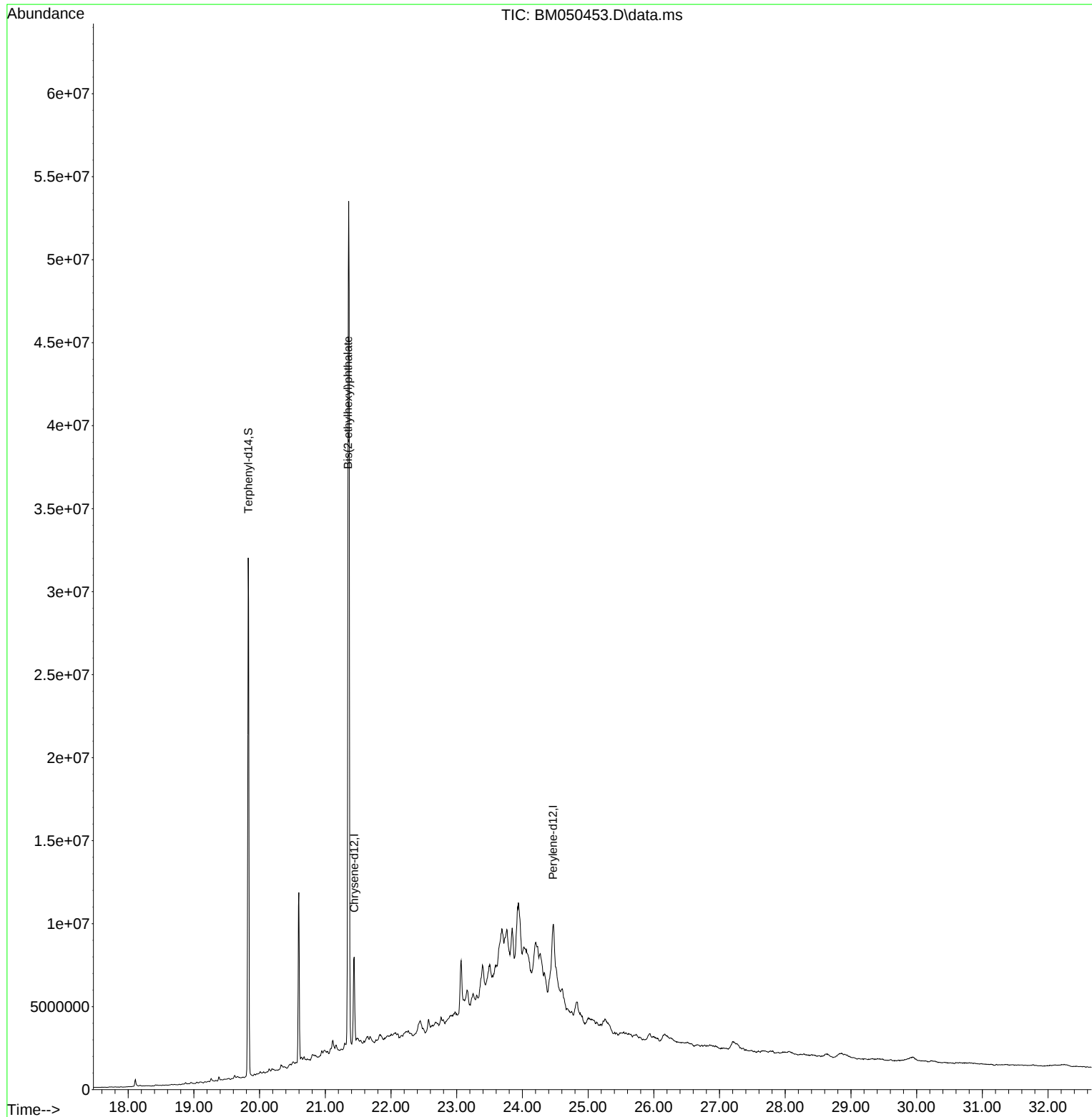
Quant Time: Jul 15 14:59:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

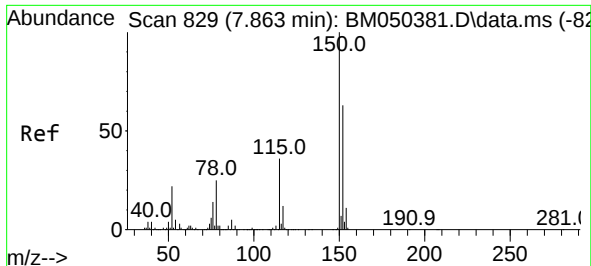


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071525\
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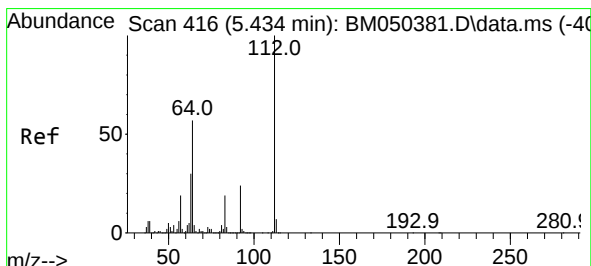
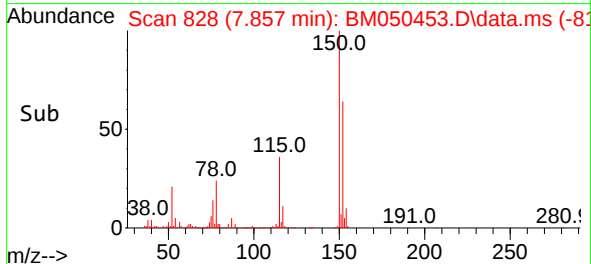
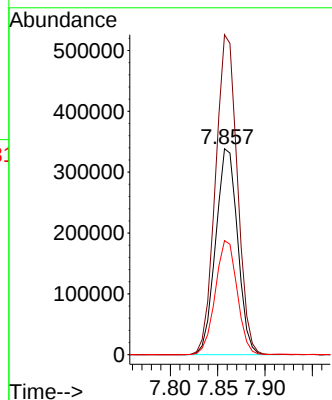
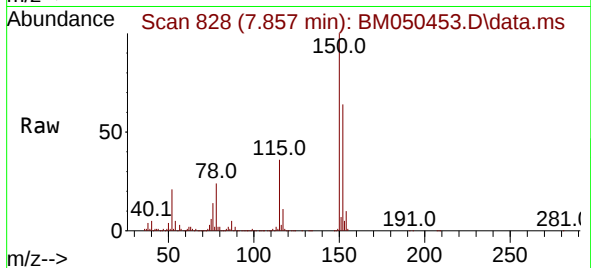




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.857 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050453.D
Acq: 15 Jul 2025 13:31

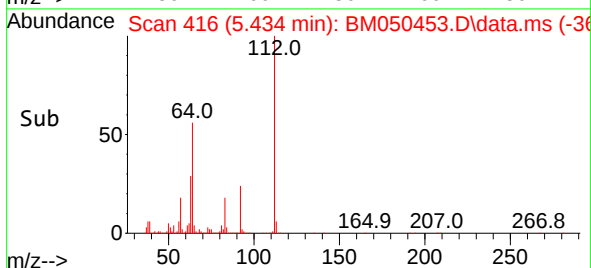
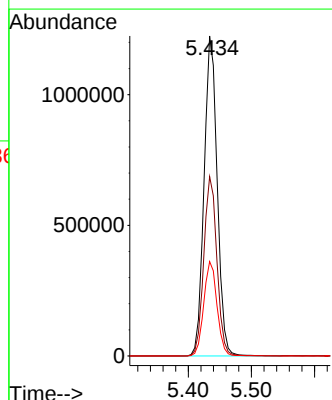
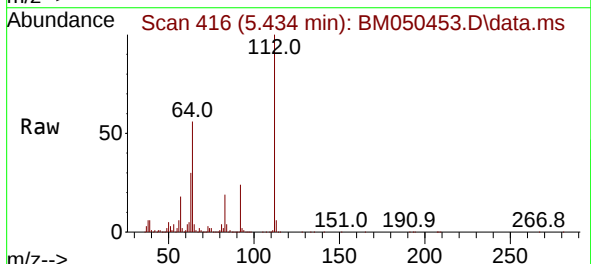
Instrument :
BNA_M
ClientSampleId :
G3(6-12)

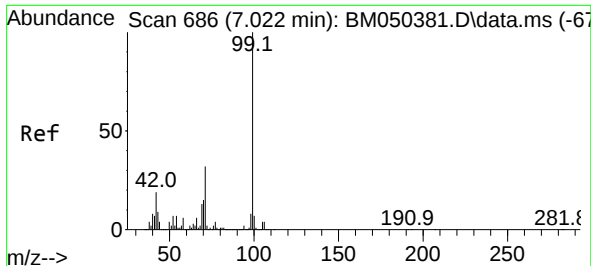
Tgt Ion:152 Resp: 547137
Ion Ratio Lower Upper
152 100
150 155.4 126.2 189.4
115 55.4 45.8 68.8



#5
2-Fluorophenol
Concen: 55.671 ng
RT: 5.434 min Scan# 416
Delta R.T. 0.000 min
Lab File: BM050453.D
Acq: 15 Jul 2025 13:31

Tgt Ion:112 Resp: 1769560
Ion Ratio Lower Upper
112 100
64 56.0 45.5 68.3
63 29.5 24.2 36.4

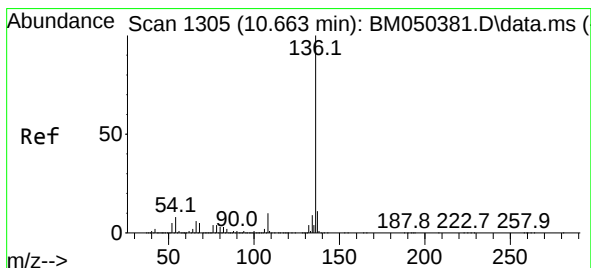
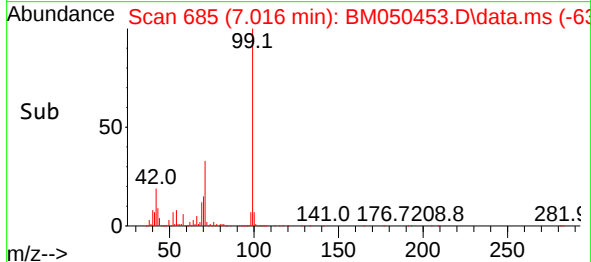
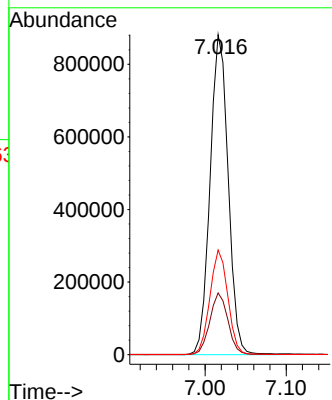
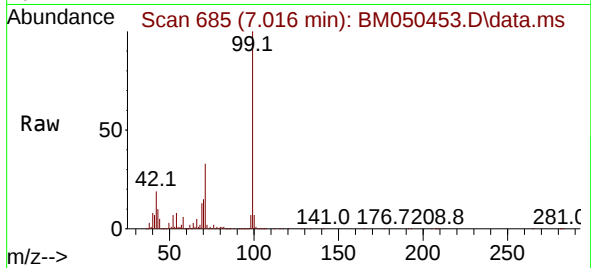




#7
Phenol-d6
Concen: 34.096 ng
RT: 7.016 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM050453.D
Acq: 15 Jul 2025 13:31

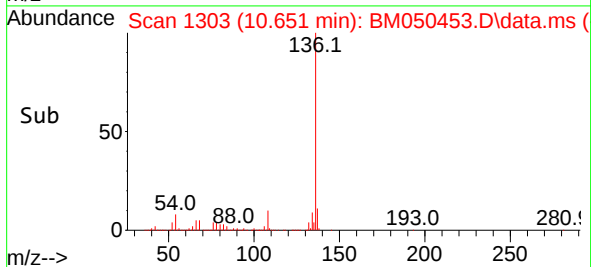
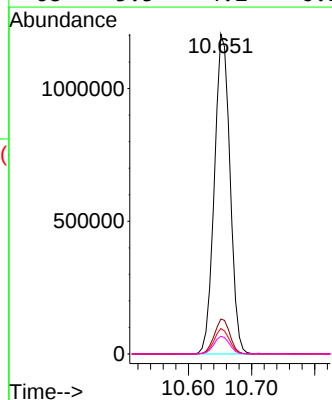
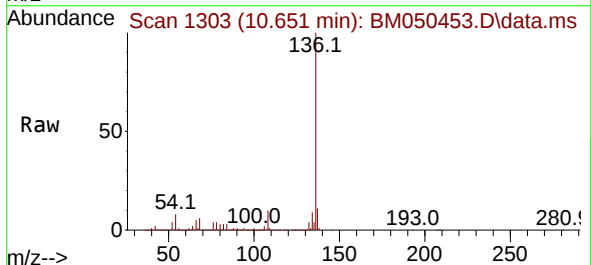
Instrument :
BNA_M
ClientSampleId :
G3(6-12)

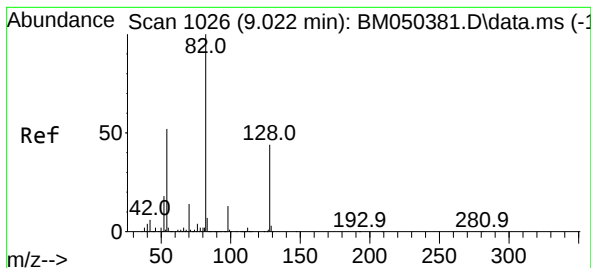
Tgt Ion: 99 Resp: 1366197
Ion Ratio Lower Upper
99 100
42 19.3 15.0 22.6
71 32.7 25.9 38.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BM050453.D
Acq: 15 Jul 2025 13:31

Tgt Ion: 136 Resp: 2071655
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.9 6.3 9.5
68 5.5 4.2 6.2





#23

Nitrobenzene-d5

Concen: 77.232 ng

RT: 9.010 min Scan# 1190

Delta R.T. -0.012 min

Lab File: BM050453.D

Acq: 15 Jul 2025 13:31

Instrument :

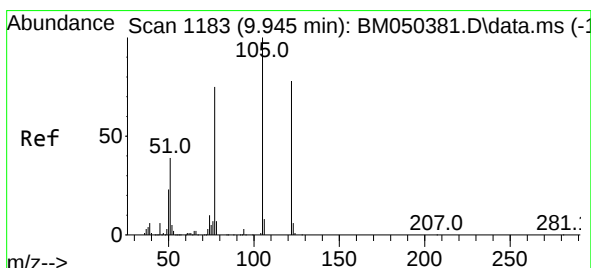
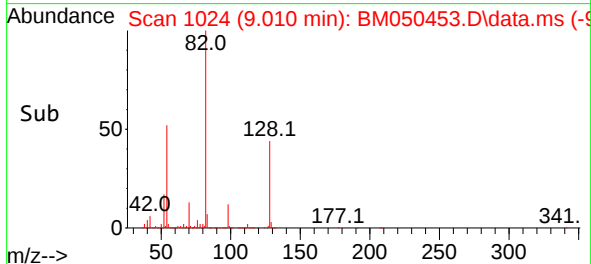
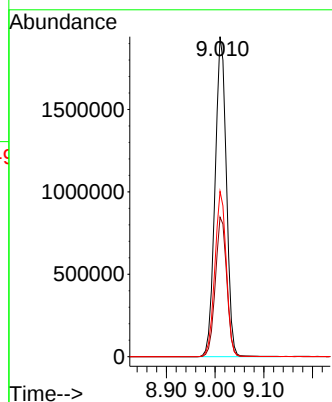
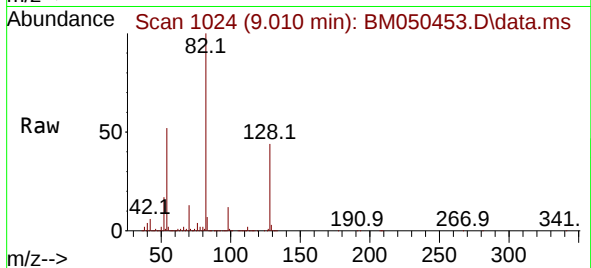
BNA_M

ClientSampleId :

G3(6-12)

Tgt Ion: 82 Resp: 3136104

Ion	Ratio	Lower	Upper
82	100		
128	43.6	35.2	52.8
54	51.6	41.5	62.3



#32

Benzoic acid

Concen: 6.005 ng

RT: 9.986 min Scan# 1190

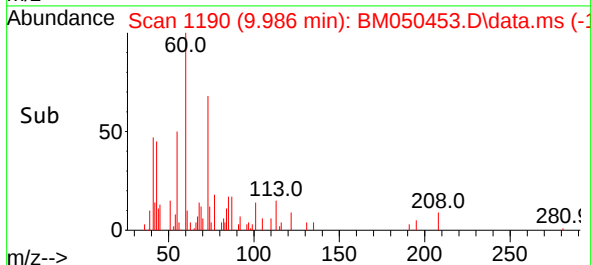
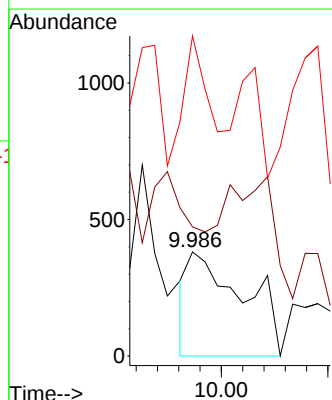
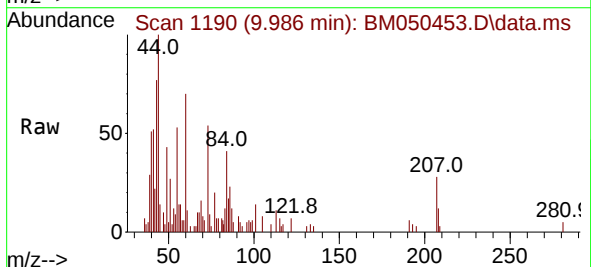
Delta R.T. 0.041 min

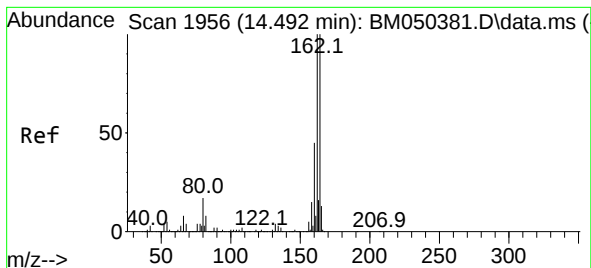
Lab File: BM050453.D

Acq: 15 Jul 2025 13:31

Tgt Ion:122 Resp: 684

Ion	Ratio	Lower	Upper
122	100		
105	124.1	104.0	144.0
77	307.6	73.8	113.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.480 min Scan# 1954

Delta R.T. -0.012 min

Lab File: BM050453.D

Acq: 15 Jul 2025 13:31

Instrument :

BNA_M

ClientSampleId :

G3(6-12)

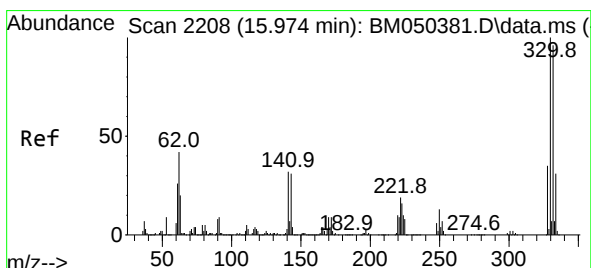
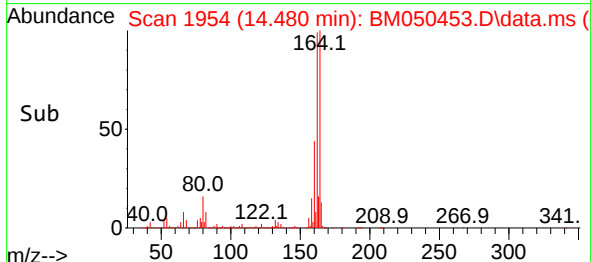
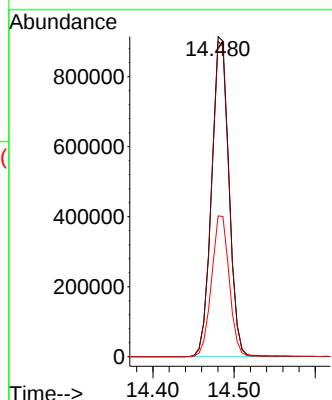
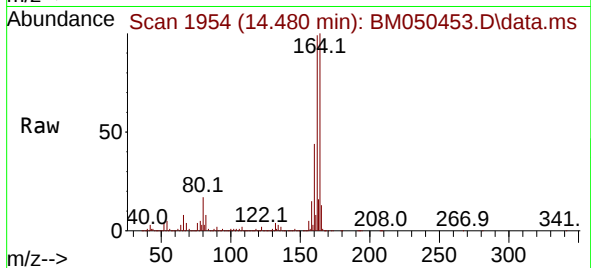
Tgt Ion:164 Resp: 1354730

Ion Ratio Lower Upper

164 100

162 98.5 79.9 119.9

160 44.0 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 157.130 ng

RT: 15.963 min Scan# 2206

Delta R.T. -0.012 min

Lab File: BM050453.D

Acq: 15 Jul 2025 13:31

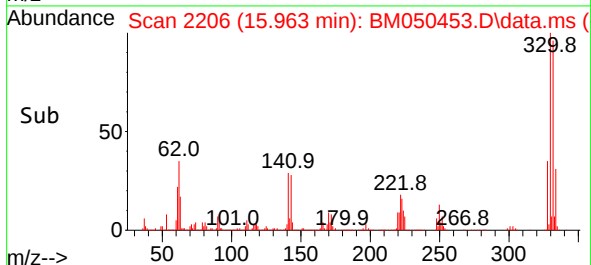
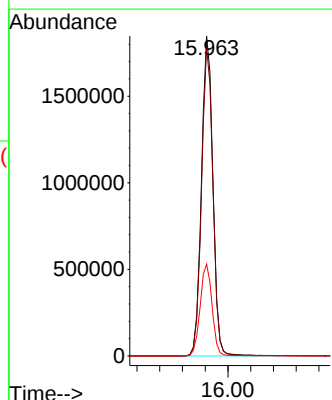
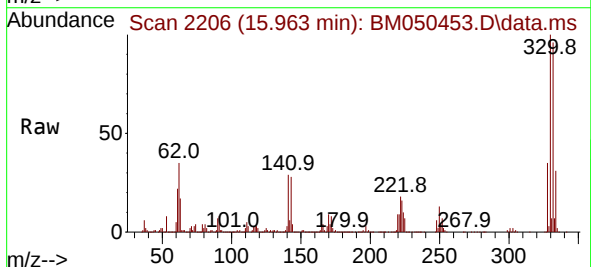
Tgt Ion:330 Resp: 2586376

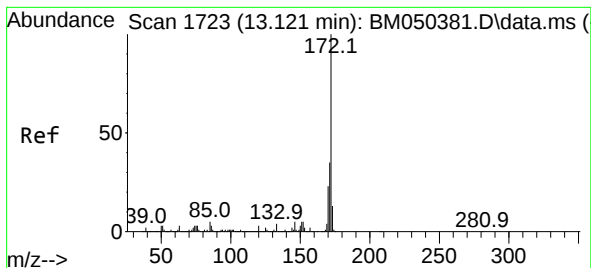
Ion Ratio Lower Upper

330 100

332 95.9 76.9 115.3

141 29.9 27.4 41.0





#45

2-Fluorobiphenyl

Concen: 80.404 ng

RT: 13.110 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM050453.D

Acq: 15 Jul 2025 13:31

Instrument :

BNA_M

ClientSampleId :

G3(6-12)

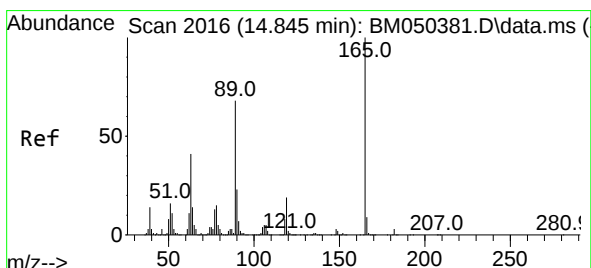
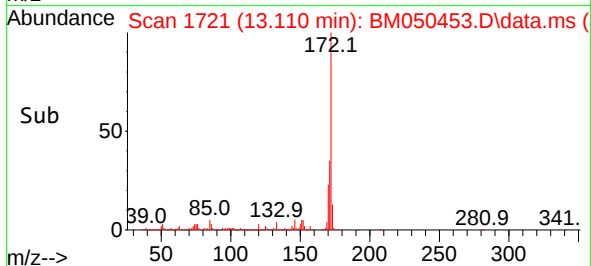
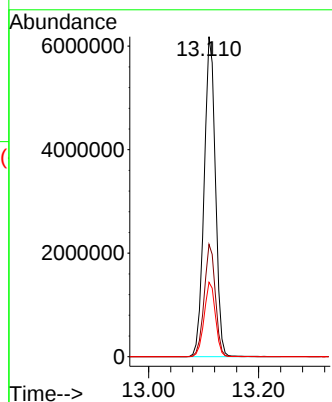
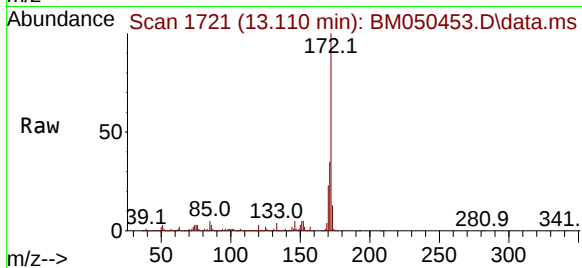
Tgt Ion:172 Resp: 8820412

Ion Ratio Lower Upper

172 100

171 35.1 27.7 41.5

170 23.2 18.8 28.2



#57

2,4-Dinitrotoluene

Concen: 2.734 ng

RT: 14.833 min Scan# 2014

Delta R.T. -0.012 min

Lab File: BM050453.D

Acq: 15 Jul 2025 13:31

Tgt Ion:165 Resp: 294

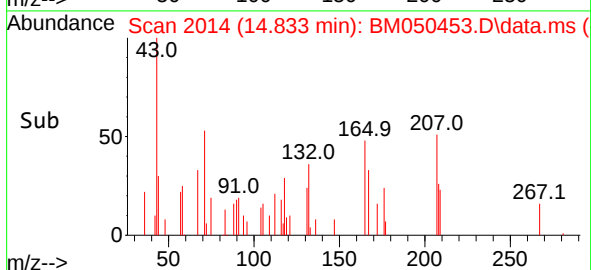
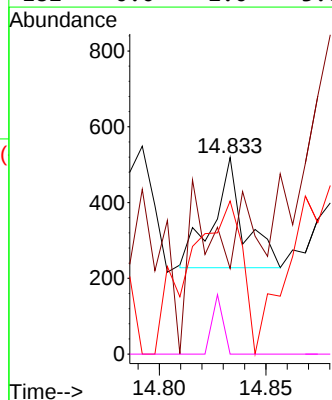
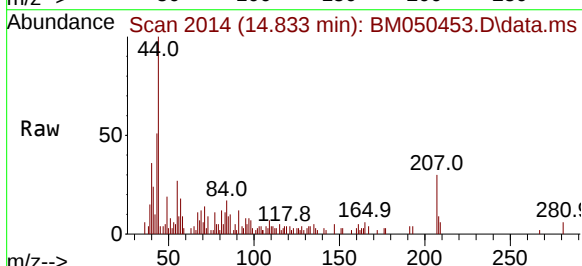
Ion Ratio Lower Upper

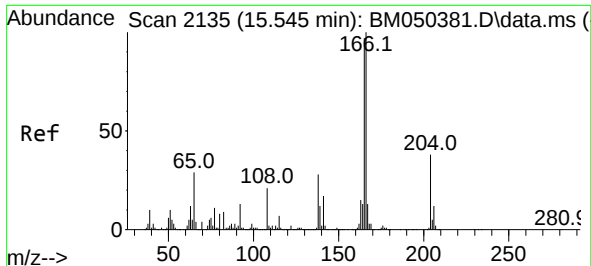
165 100

63 43.5 32.5 48.7

89 77.8 54.0 81.0

182 0.0 2.0 3.0#

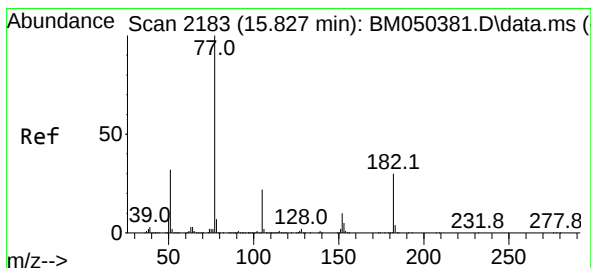
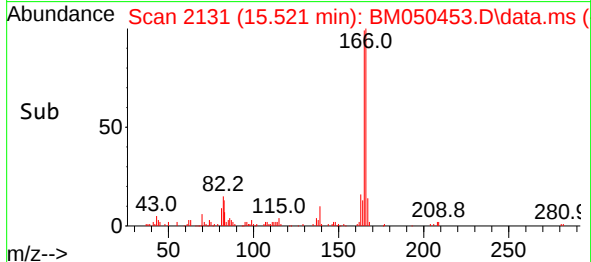
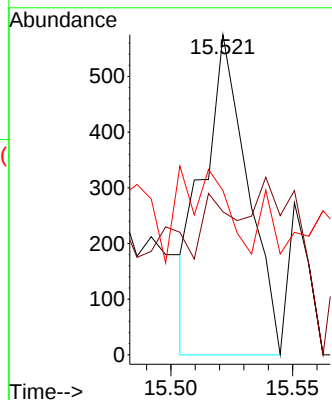
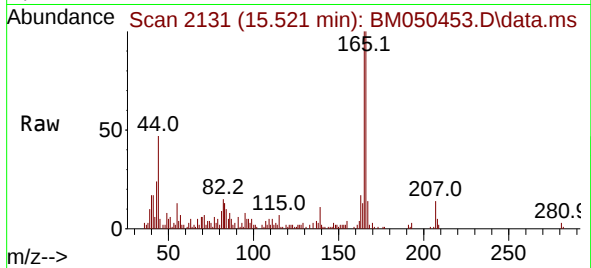




#62
4-Nitroaniline
Concen: 2.618 ng
RT: 15.521 min Scan# 2131
Delta R.T. -0.024 min
Lab File: BM050453.D
Acq: 15 Jul 2025 13:31

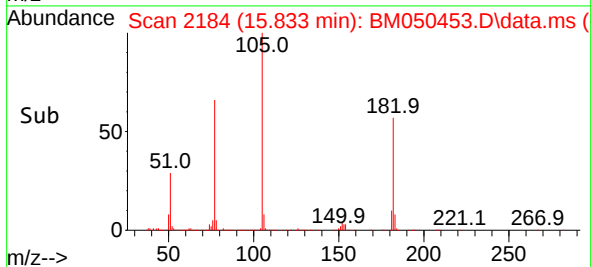
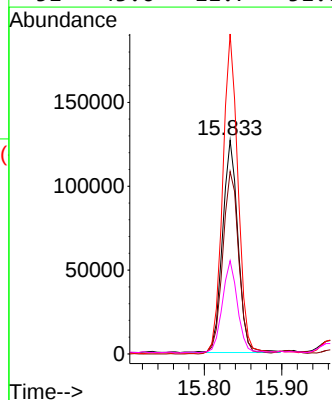
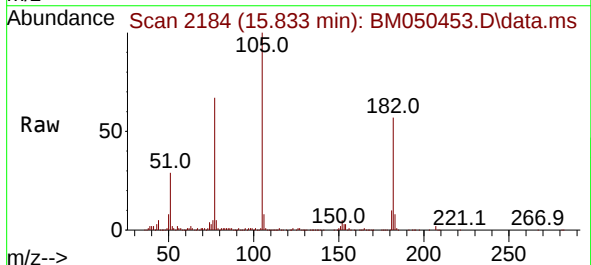
Instrument :
BNA_M
ClientSampleId :
G3(6-12)

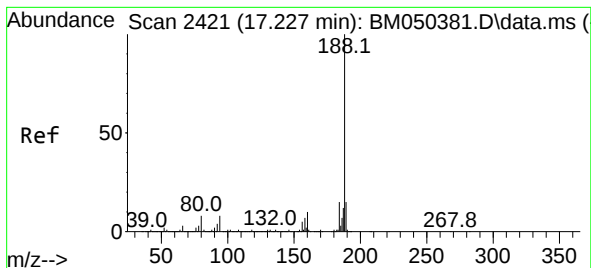
Tgt Ion:138 Resp: 730
Ion Ratio Lower Upper
138 100
92 44.7 24.5 64.5
108 51.3 52.5 92.5#



#63
Azobenzene
Concen: 2.159 ng
RT: 15.833 min Scan# 2184
Delta R.T. 0.006 min
Lab File: BM050453.D
Acq: 15 Jul 2025 13:31

Tgt Ion: 77 Resp: 176641
Ion Ratio Lower Upper
77 100
182 85.3 10.0 50.0#
105 149.7 2.0 42.0#
51 43.6 11.7 51.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.215 min Scan# 24

Delta R.T. -0.012 min

Lab File: BM050453.D

Acq: 15 Jul 2025 13:31

Instrument :

BNA_M

ClientSampleId :

G3(6-12)

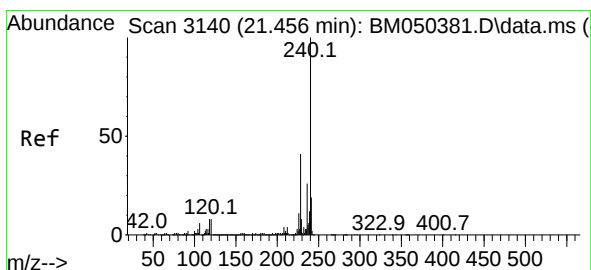
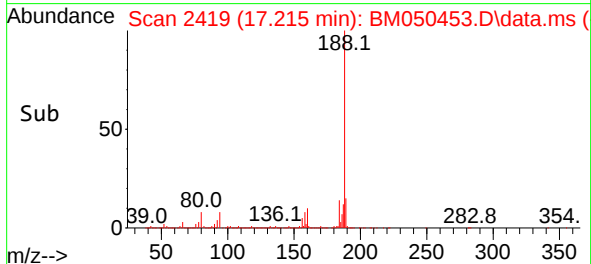
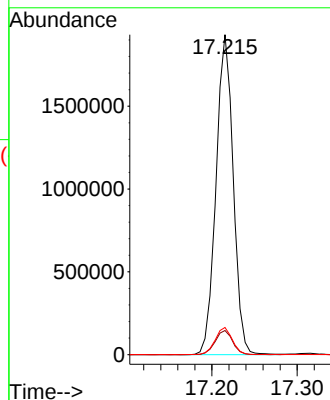
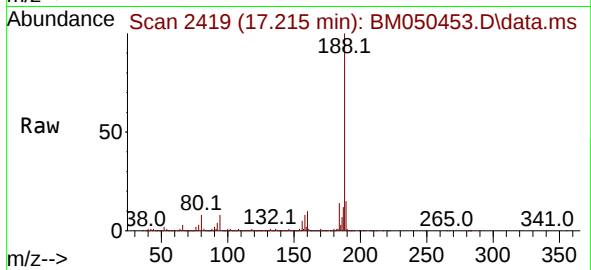
Tgt Ion:188 Resp: 2708625

Ion Ratio Lower Upper

188 100

94 7.6 6.0 9.0

80 8.5 6.5 9.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.439 min Scan# 3137

Delta R.T. -0.018 min

Lab File: BM050453.D

Acq: 15 Jul 2025 13:31

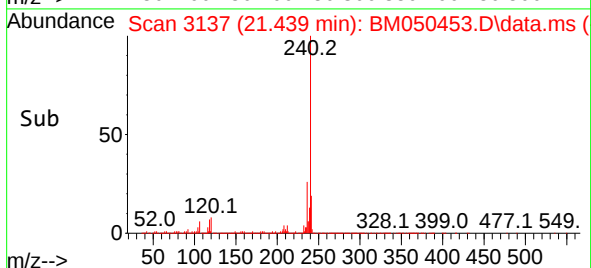
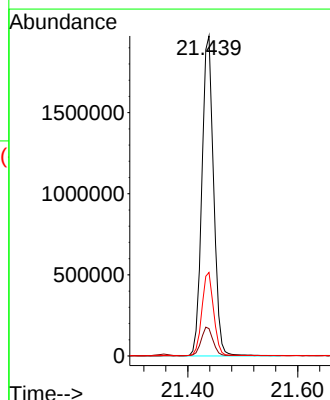
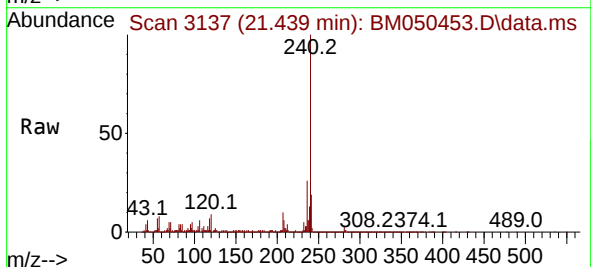
Tgt Ion:240 Resp: 2927484

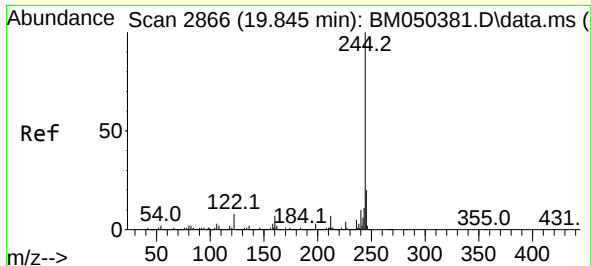
Ion Ratio Lower Upper

240 100

120 8.6 6.7 10.1

236 26.1 20.7 31.1

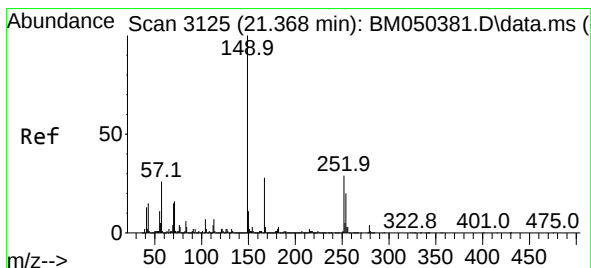
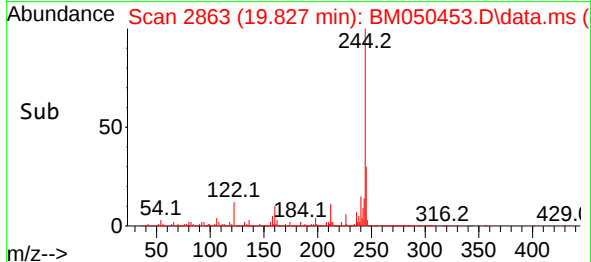
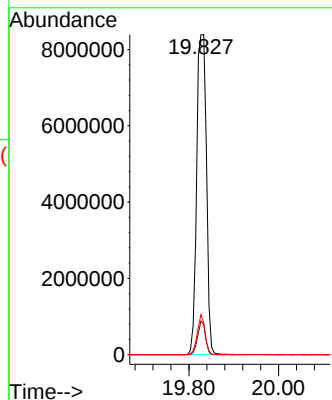
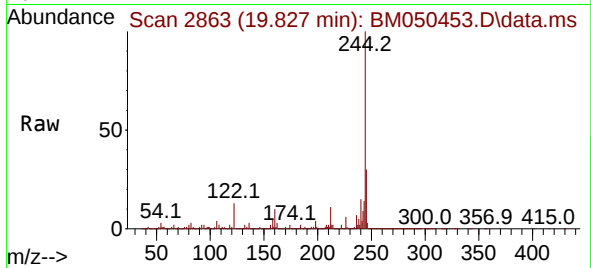




#79
 Terphenyl-d14
 Concen: 75.875 ng
 RT: 19.827 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BM050453.D
 Acq: 15 Jul 2025 13:31

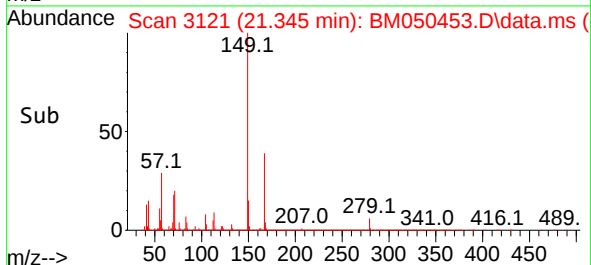
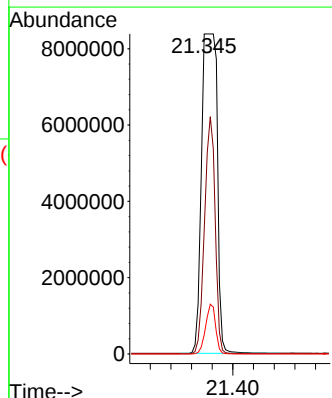
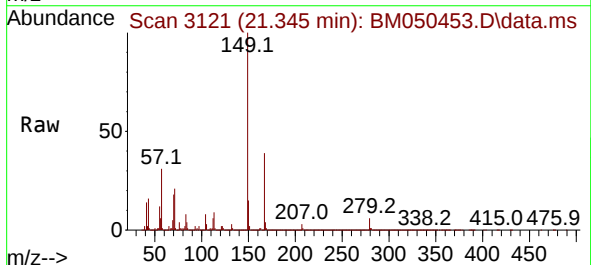
Instrument :
 BNA_M
 ClientSampleId :
 G3(6-12)

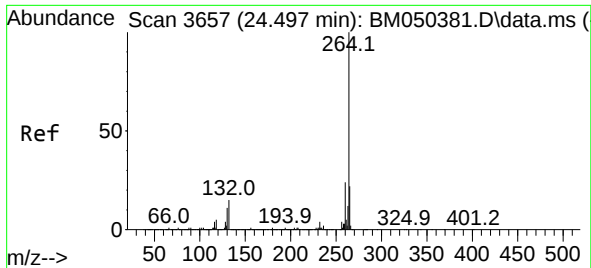
Tgt Ion:244 Resp:12624538
 Ion Ratio Lower Upper
 244 100
 212 10.5 5.7 8.5#
 122 12.5 6.2 9.2#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 179.406 ng
 RT: 21.345 min Scan# 3121
 Delta R.T. -0.023 min
 Lab File: BM050453.D
 Acq: 15 Jul 2025 13:31

Tgt Ion:149 Resp:17606941
 Ion Ratio Lower Upper
 149 100
 167 38.7 22.7 34.1#
 279 6.0 3.5 5.3#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 30
Delta R.T. -0.029 min
Lab File: BM050453.D
Acq: 15 Jul 2025 13:31

Instrument :
BNA_M
ClientSampleId :
G3(6-12)

Tgt Ion:264 Resp: 3178618

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.0	17.8	26.6

