Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071525\
Data File : BM050451.D
Acq On : 15 Jul 2025 12:10
Operator : RC/JU
Sample : Q2489-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
G2(6-12)

Quant Time: Jul 15 12:55:46 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	491189	20.000	ng	0.00
21) Naphthalene-d8	10.651	136	1785204	20.000	ng	-0.01
39) Acenaphthene-d10	14.480	164	1129360	20.000	ng	-0.01
64) Phenanthrene-d10	17.215	188	2268318	20.000	ng	-0.01
76) Chrysene-d12	21.433	240	2383036	20.000	ng	-0.02
86) Perylene-d12	24.462	264	2558932	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1560429	54.684	ng	0.00
7) Phenol-d6	7.016	99	1125435	31.286	ng	0.00
23) Nitrobenzene-d5	9.010	82	2957069	84.508	ng	-0.01
42) 2,4,6-Tribromophenol	15.962	330	1987550	144.846	ng	-0.01
45) 2-Fluorobiphenyl	13.110	172	7510632	82.127	ng	-0.01
79) Terphenyl-d14	19.827	244	11933627	88.109	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.704	128	205983	2.272	ng	99
32) Benzoic acid	9.869	122	8654m	6.430	ng	
50) Dimethylphthalate	13.933	163	726536	9.344	ng	99

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

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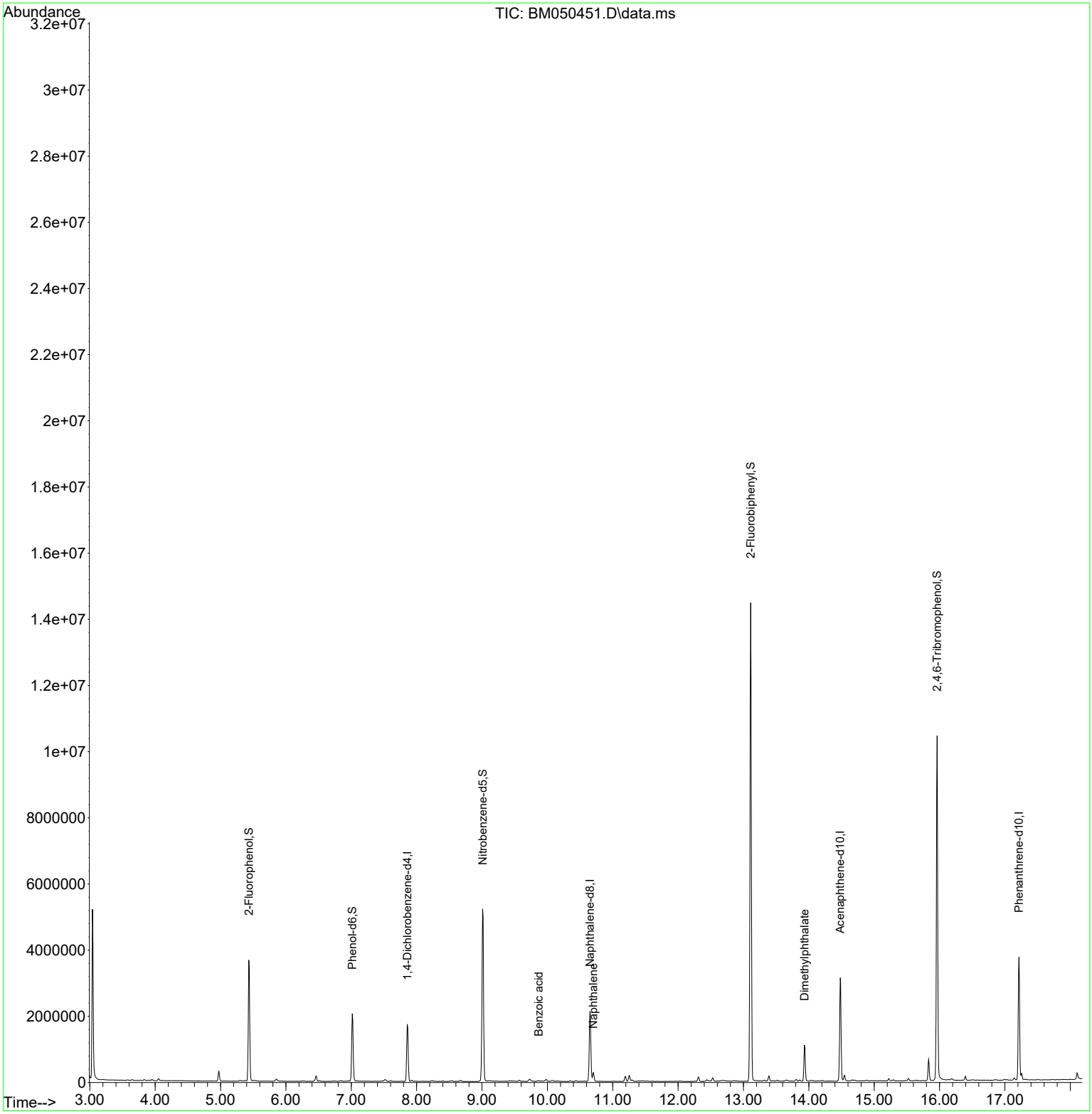

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071525\
Data File : BM050451.D
Acq On : 15 Jul 2025 12:10
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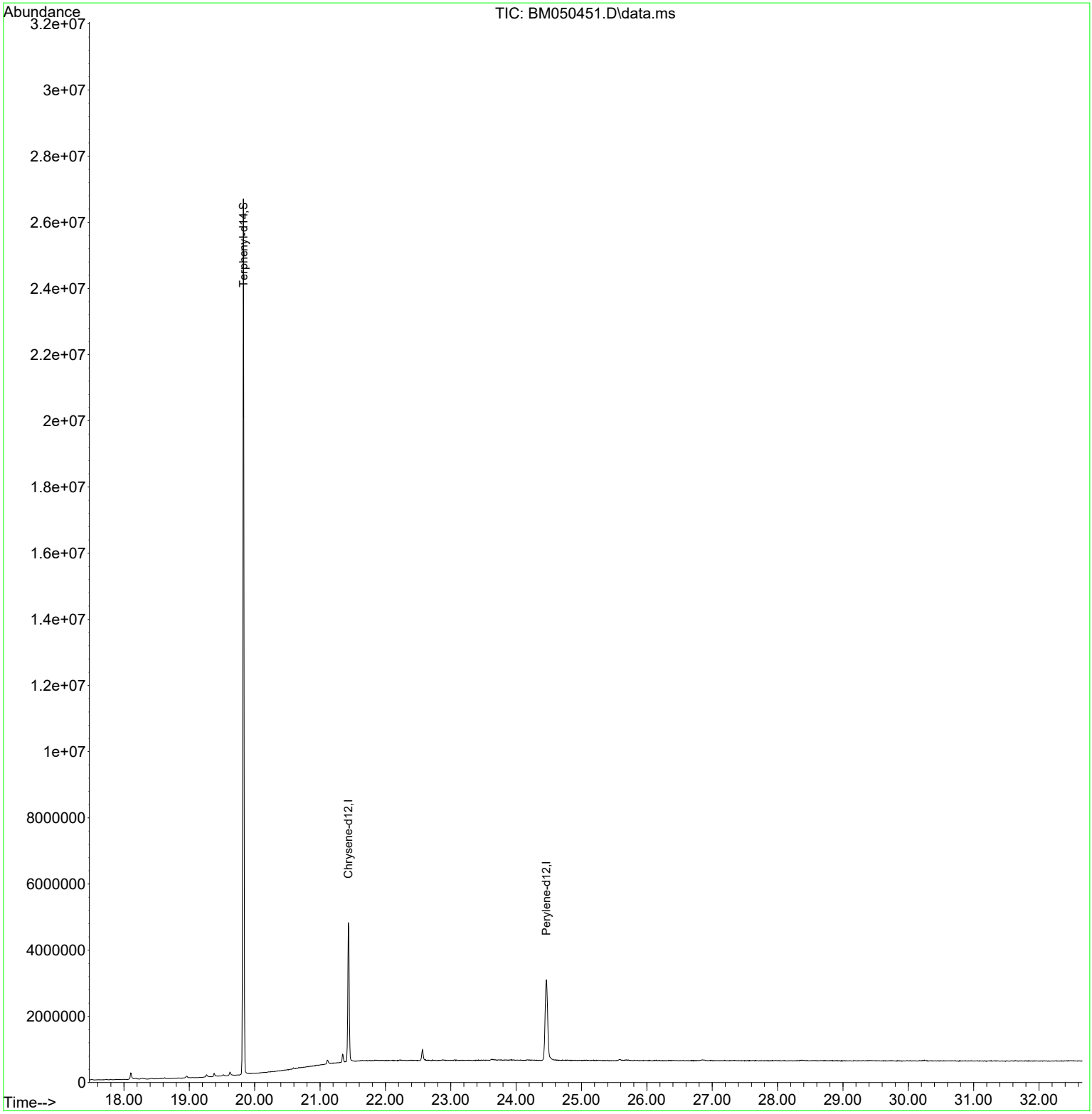
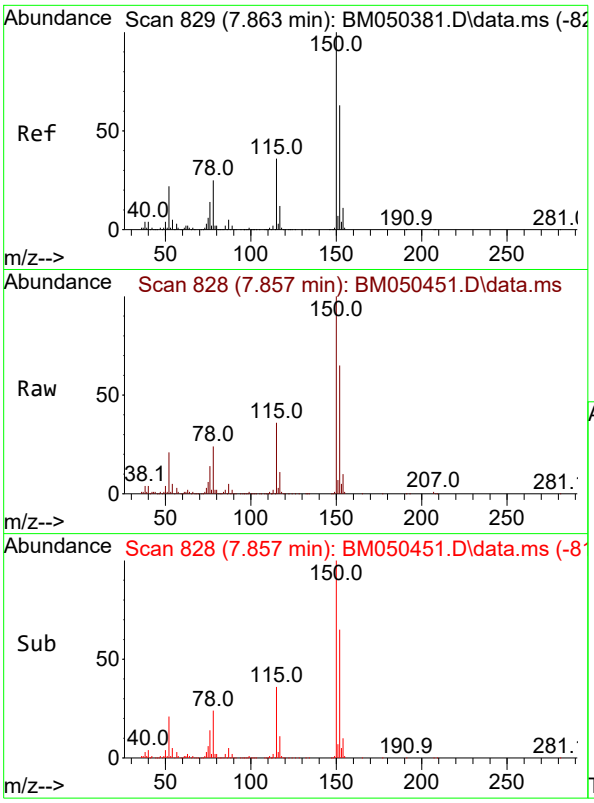


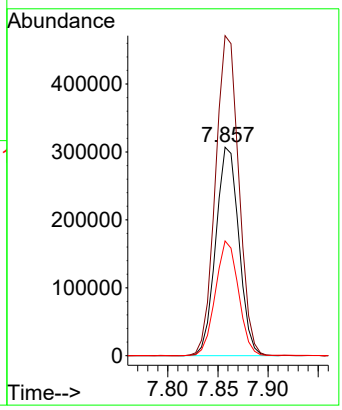


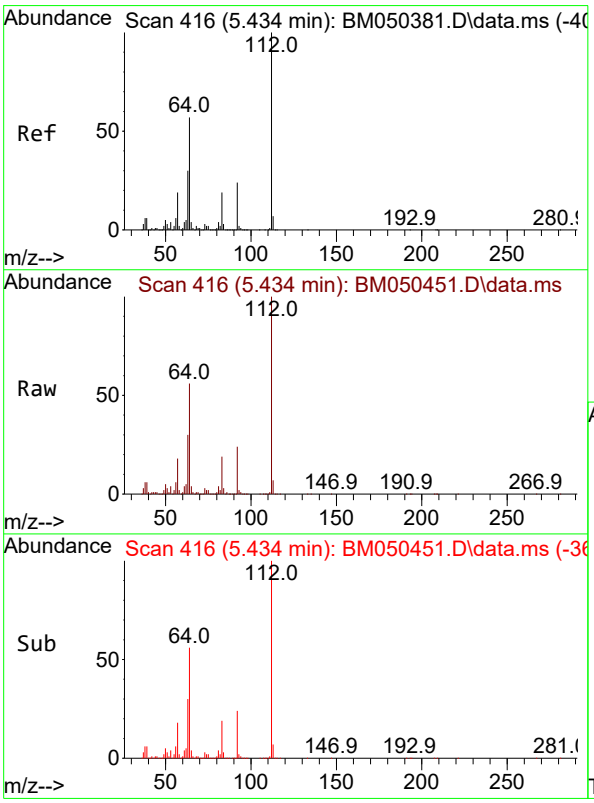
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.857 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050451.D
Acq: 15 Jul 2025 12:10

Instrument :
BNA_M
ClientSampleId :
G2(6-12)

Tgt Ion:152 Resp: 491189

Ion	Ratio	Lower	Upper
152	100		
150	153.5	126.2	189.4
115	55.0	45.8	68.8

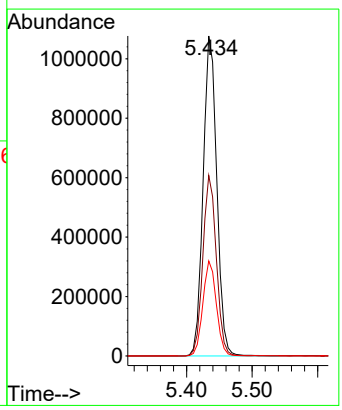


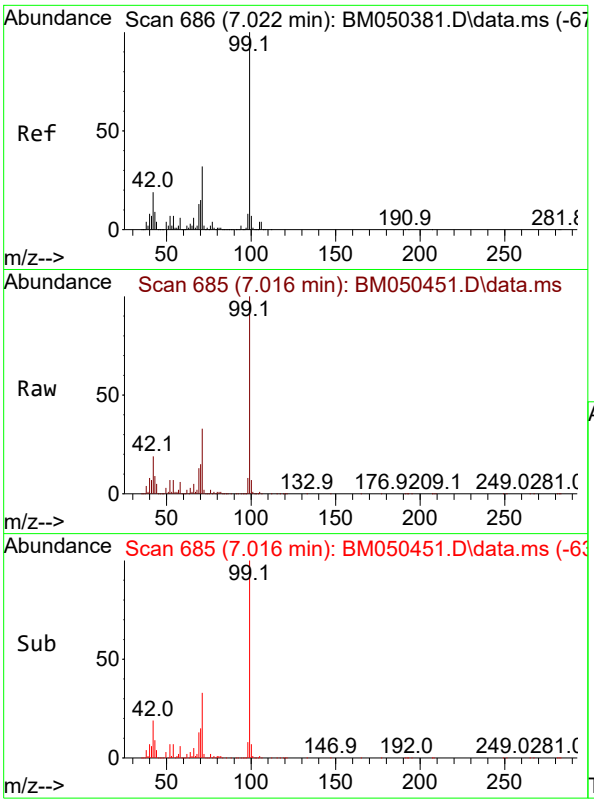


#5
2-Fluorophenol
Concen: 54.684 ng
RT: 5.434 min Scan# 416
Delta R.T. 0.000 min
Lab File: BM050451.D
Acq: 15 Jul 2025 12:10

Tgt Ion:112 Resp: 1560429

Ion	Ratio	Lower	Upper
112	100		
64	56.4	45.5	68.3
63	29.7	24.2	36.4



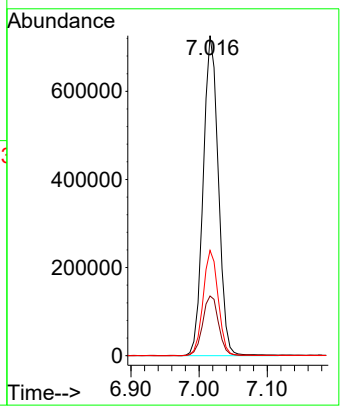


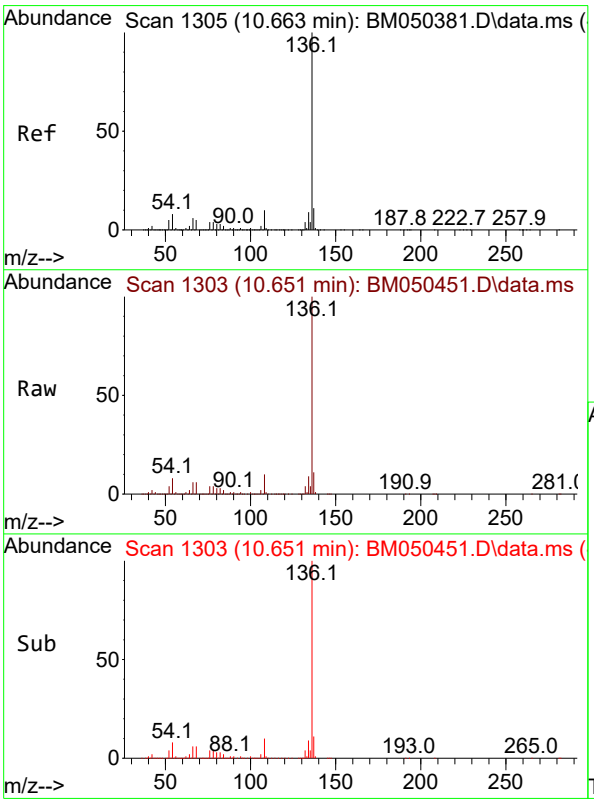
#7
Phenol-d6
Concen: 31.286 ng
RT: 7.016 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050451.D
Acq: 15 Jul 2025 12:10

Instrument :
BNA_M
ClientSampleId :
G2(6-12)

Tgt Ion: 99 Resp: 1125435

Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.0	22.6
71	32.9	25.9	38.9

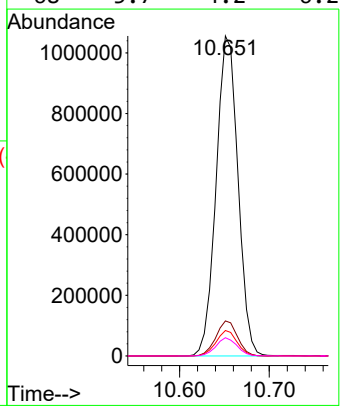


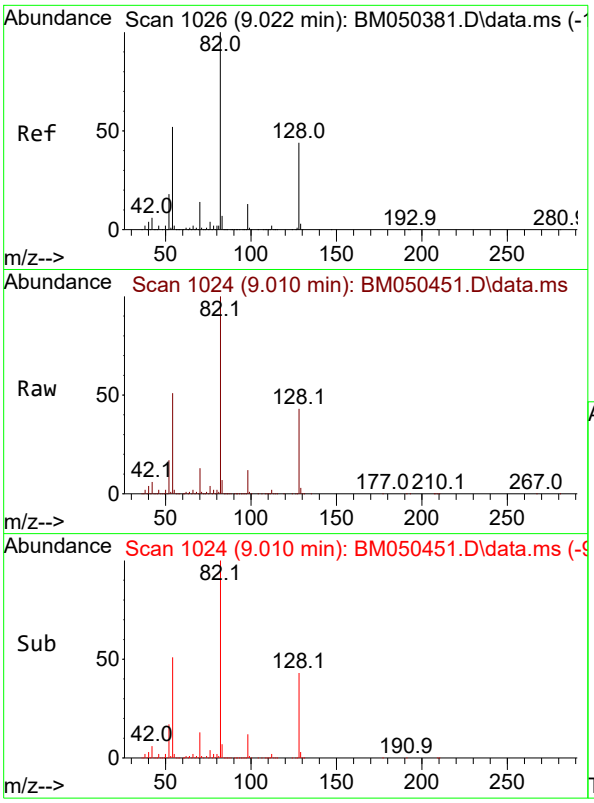


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BM050451.D
Acq: 15 Jul 2025 12:10

Tgt Ion:136 Resp: 1785204

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.0	6.3	9.5
68	5.7	4.2	6.2



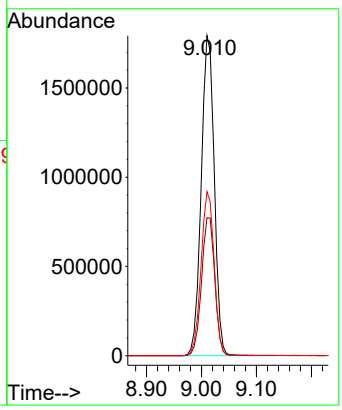


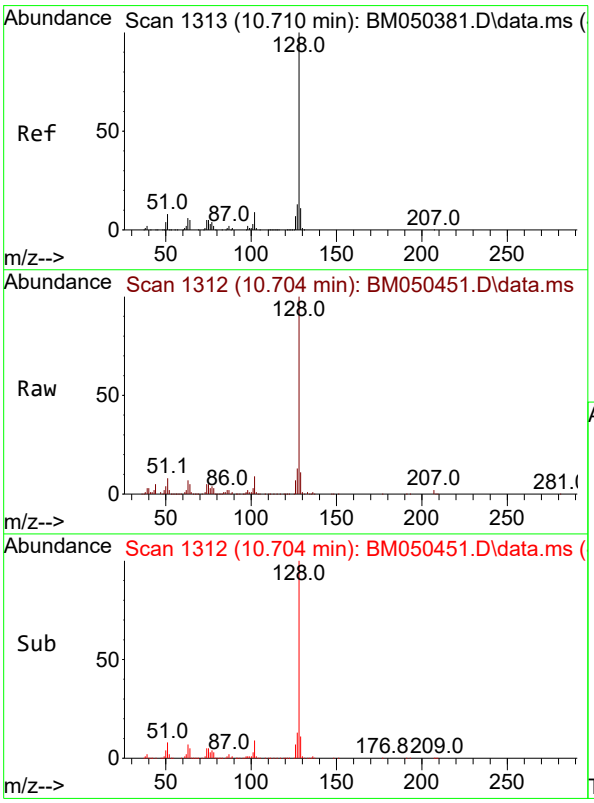
#23
Nitrobenzene-d5
Concen: 84.508 ng
RT: 9.010 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BM050451.D
Acq: 15 Jul 2025 12:10

Instrument :
BNA_M
ClientSampleId :
G2(6-12)

Tgt Ion: 82 Resp: 2957069

Ion	Ratio	Lower	Upper
82	100		
128	43.1	35.2	52.8
54	51.3	41.5	62.3

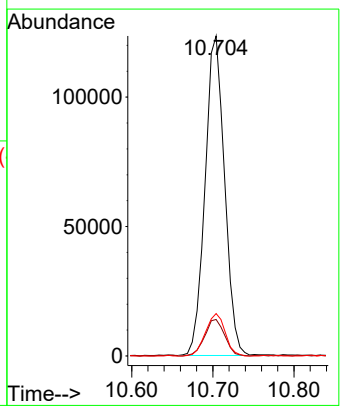


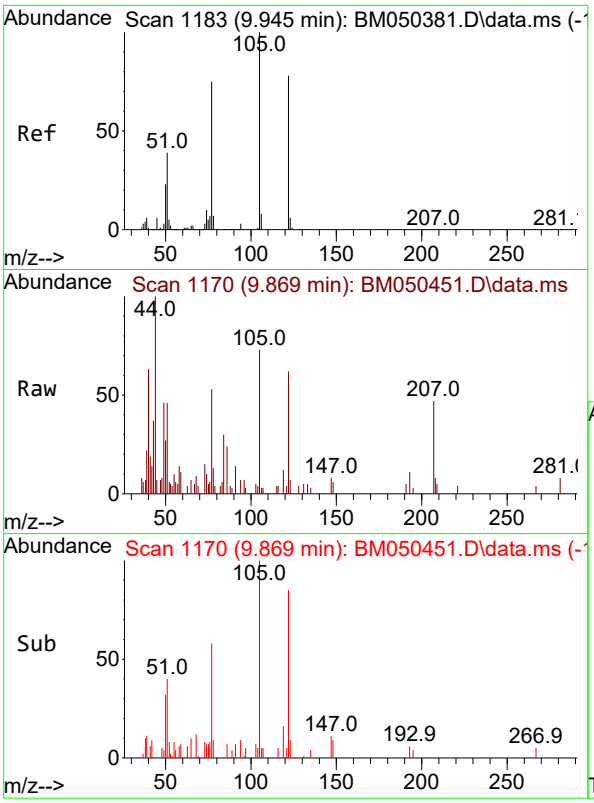


#31
Naphthalene
Concen: 2.272 ng
RT: 10.704 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BM050451.D
Acq: 15 Jul 2025 12:10

Tgt Ion:128 Resp: 205983

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	13.3	10.4	15.6



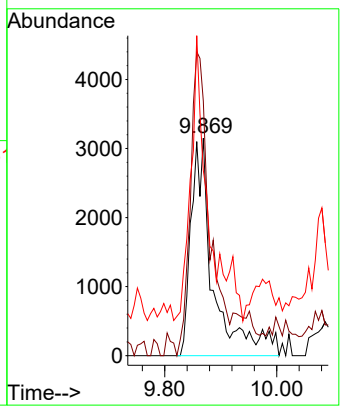


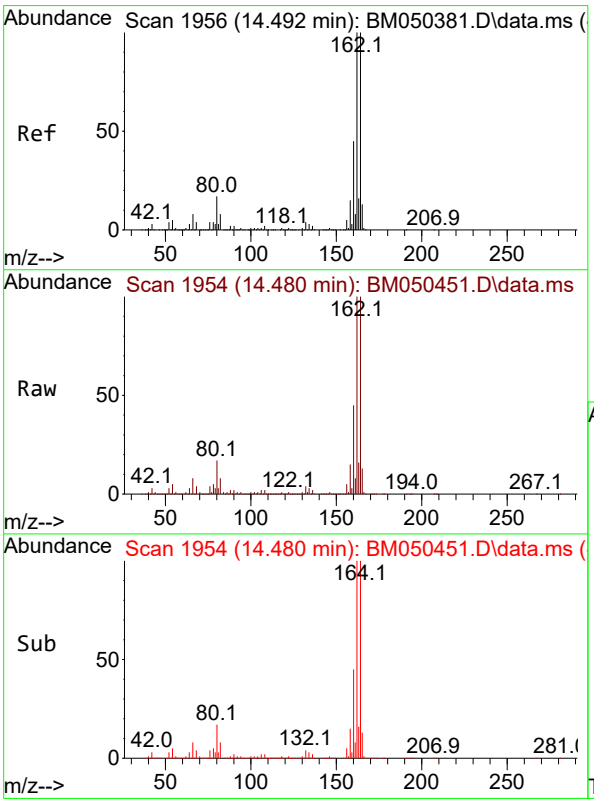
#32
Benzoic acid
Concen: 6.430 ng m
RT: 9.869 min Scan# 11
Delta R.T. -0.076 min
Lab File: BM050451.D
Acq: 15 Jul 2025 12:10

Instrument :
BNA_M
ClientSampleId :
G2(6-12)

Tgt Ion:122 Resp: 8654

Ion	Ratio	Lower	Upper
122	100		
105	117.0	104.0	144.0
77	85.2	73.8	113.8

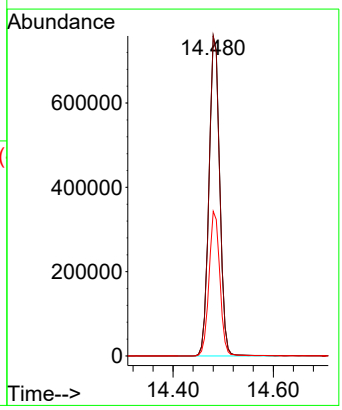


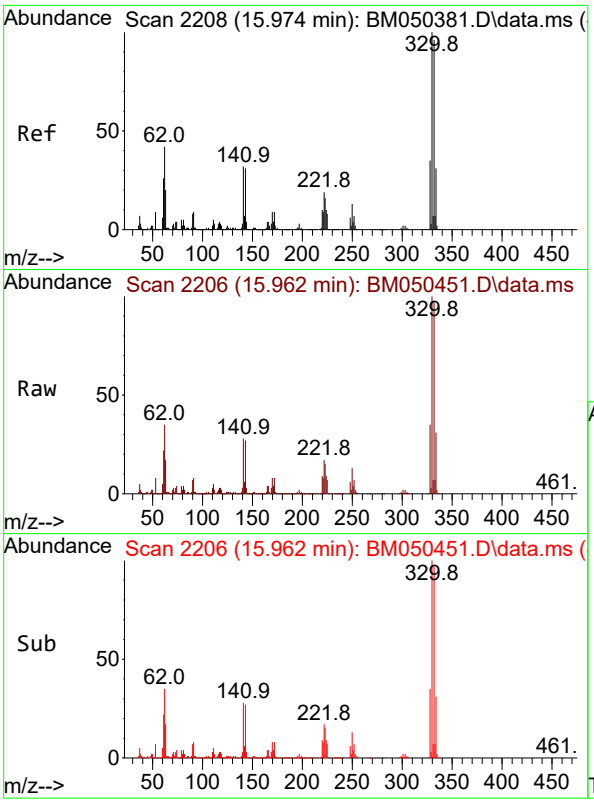


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1954
Delta R.T. -0.012 min
Lab File: BM050451.D
Acq: 15 Jul 2025 12:10

Tgt Ion:164 Resp: 1129360

Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.9	119.9
160	45.3	36.2	54.4



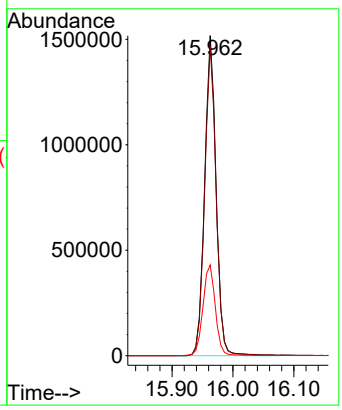


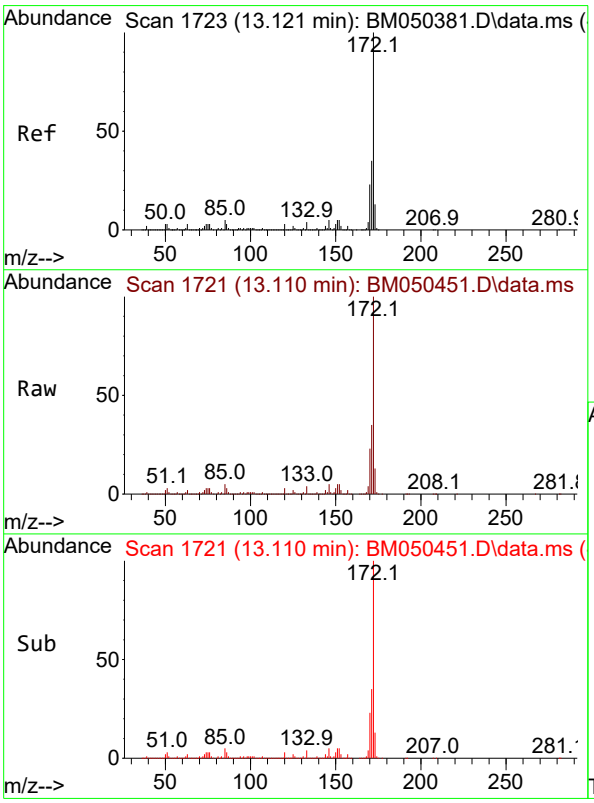
#42
2,4,6-Tribromophenol
Concen: 144.846 ng
RT: 15.962 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050451.D
Acq: 15 Jul 2025 12:10

Instrument :
BNA_M
ClientSampleId :
G2(6-12)

Tgt Ion:330 Resp: 1987550

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.9	115.3
141	30.8	27.4	41.0

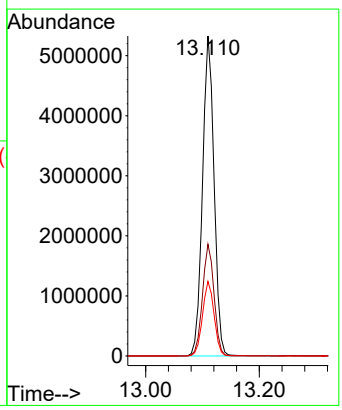


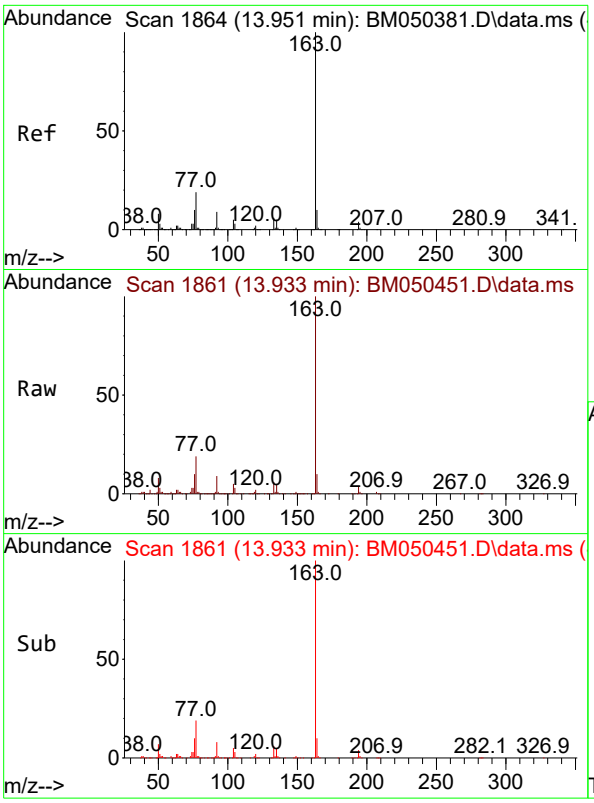


#45
2-Fluorobiphenyl
Concen: 82.127 ng
RT: 13.110 min Scan# 1721
Delta R.T. -0.012 min
Lab File: BM050451.D
Acq: 15 Jul 2025 12:10

Tgt Ion:172 Resp: 7510632

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.7	41.5
170	23.3	18.8	28.2



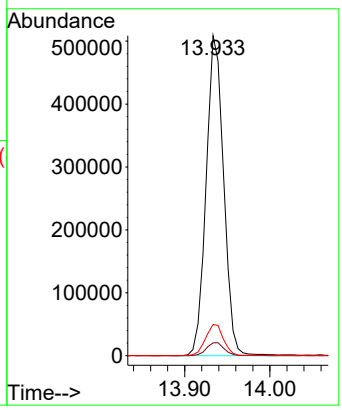


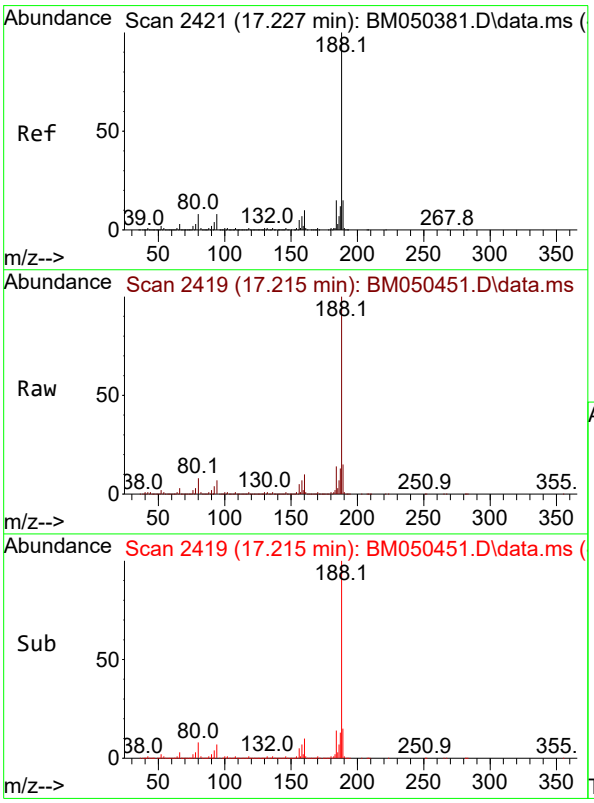
#50
Dimethylphthalate
Concen: 9.344 ng
RT: 13.933 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050451.D
Acq: 15 Jul 2025 12:10

Instrument :
BNA_M
ClientSampleId :
G2(6-12)

Tgt Ion:163 Resp: 726536

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.2
164	9.7	8.2	12.2

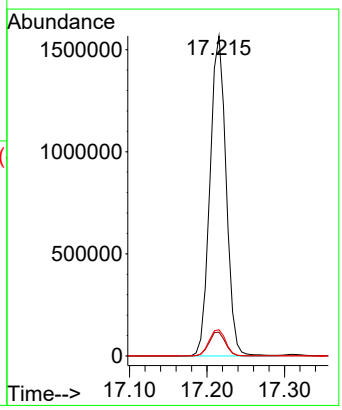


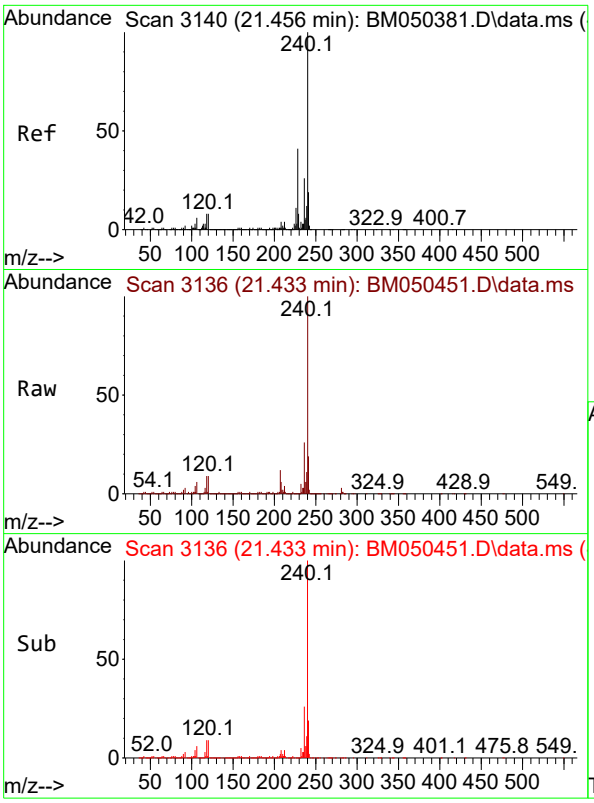


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 2419
Delta R.T. -0.012 min
Lab File: BM050451.D
Acq: 15 Jul 2025 12:10

Tgt Ion:188 Resp: 2268318

Ion	Ratio	Lower	Upper
188	100		
94	7.4	6.0	9.0
80	8.2	6.5	9.7



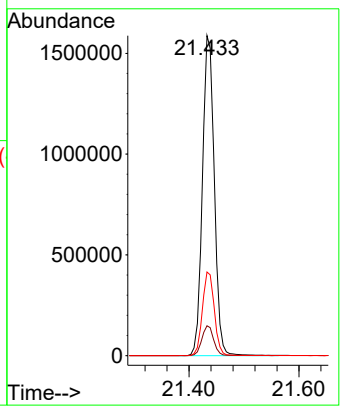


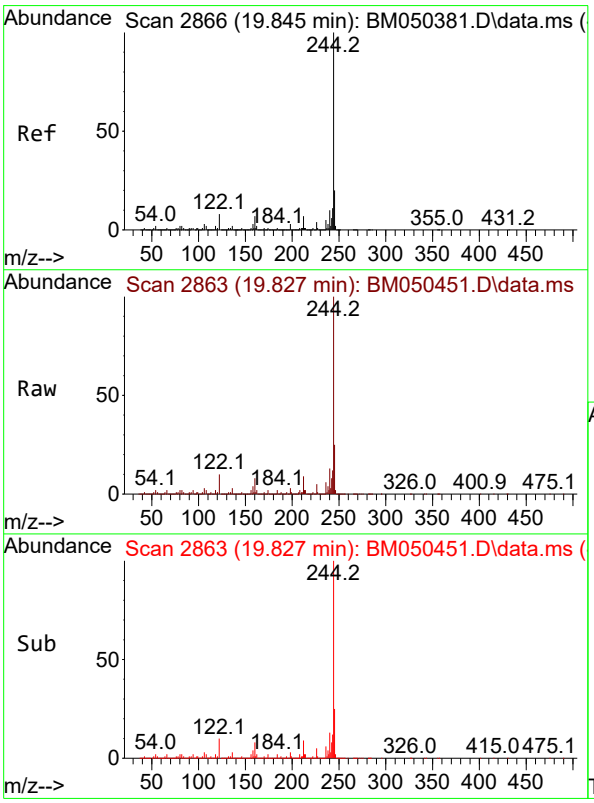
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3
Delta R.T. -0.023 min
Lab File: BM050451.D
Acq: 15 Jul 2025 12:10

Instrument :
BNA_M
ClientSampleId :
G2(6-12)

Tgt Ion:240 Resp: 2383036

Ion	Ratio	Lower	Upper
240	100		
120	9.4	6.7	10.1
236	26.2	20.7	31.1

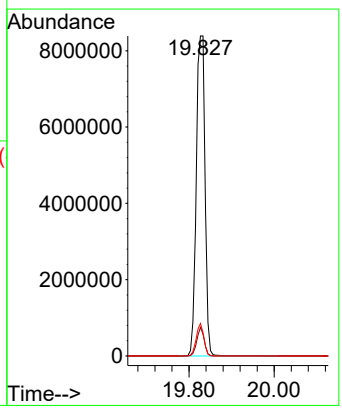


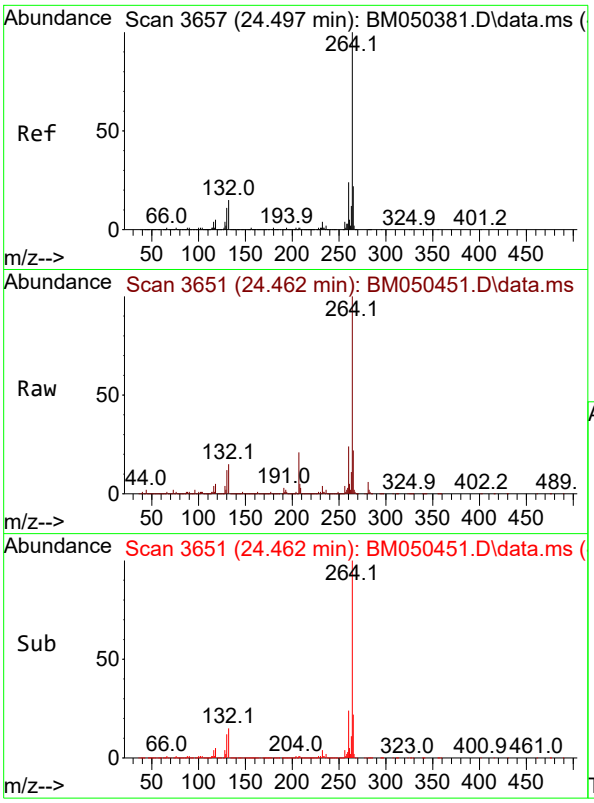


#79
Terphenyl-d14
Concen: 88.109 ng
RT: 19.827 min Scan# 2863
Delta R.T. -0.018 min
Lab File: BM050451.D
Acq: 15 Jul 2025 12:10

Tgt Ion:244 Resp:11933627

Ion	Ratio	Lower	Upper
244	100		
212	8.9	5.7	8.5#
122	10.2	6.2	9.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.462 min Scan# 3
Delta R.T. -0.035 min
Lab File: BM050451.D
Acq: 15 Jul 2025 12:10

Instrument :
BNA_M
ClientSampleId :
G2(6-12)

Tgt Ion:264 Resp: 2558932

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.2	17.8	26.6