Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
Data File : BM050438.D
Acq On : 14 Jul 2025 22:54
Operator : RC/JU
Sample : Q2578-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-A5-01-C

Quant Time: Jul 15 02:05:29 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	406303	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	1510572	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	1001056	20.000	ng	0.00
64) Phenanthrene-d10	17.215	188	1993082	20.000	ng	-0.01
76) Chrysene-d12	21.439	240	1992538	20.000	ng	-0.02
86) Perylene-d12	24.468	264	2058330	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	3156459	133.725	ng	0.00
7) Phenol-d6	7.022	99	3598339	120.930	ng	0.00
23) Nitrobenzene-d5	9.016	82	2652160	89.574	ng	0.00
42) 2,4,6-Tribromophenol	15.968	330	1999830	164.420	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	6685623	82.476	ng	0.00
79) Terphenyl-d14	19.827	244	11365563	100.361	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.704	128	18532645	241.542	ng	# 91
32) Benzoic acid	9.869	122	15714	6.952	ng	# 81
37) 2-Methylnaphthalene	12.316	142	4048151	83.561	ng	99
38) 1-Methylnaphthalene	12.533	142	2728595	53.220	ng	99
46) 1,1'-Biphenyl	13.321	154	530987	7.149	ng	99
49) Acenaphthylene	14.204	152	301017	3.364	ng	# 95
52) Acenaphthene	14.551	154	1811059	31.830	ng	99
58) Fluorene	15.527	166	825826	11.437	ng	98
71) Phenanthrene	17.256	178	1968866	17.458	ng	100
72) Anthracene	17.351	178	277524	2.472	ng	99

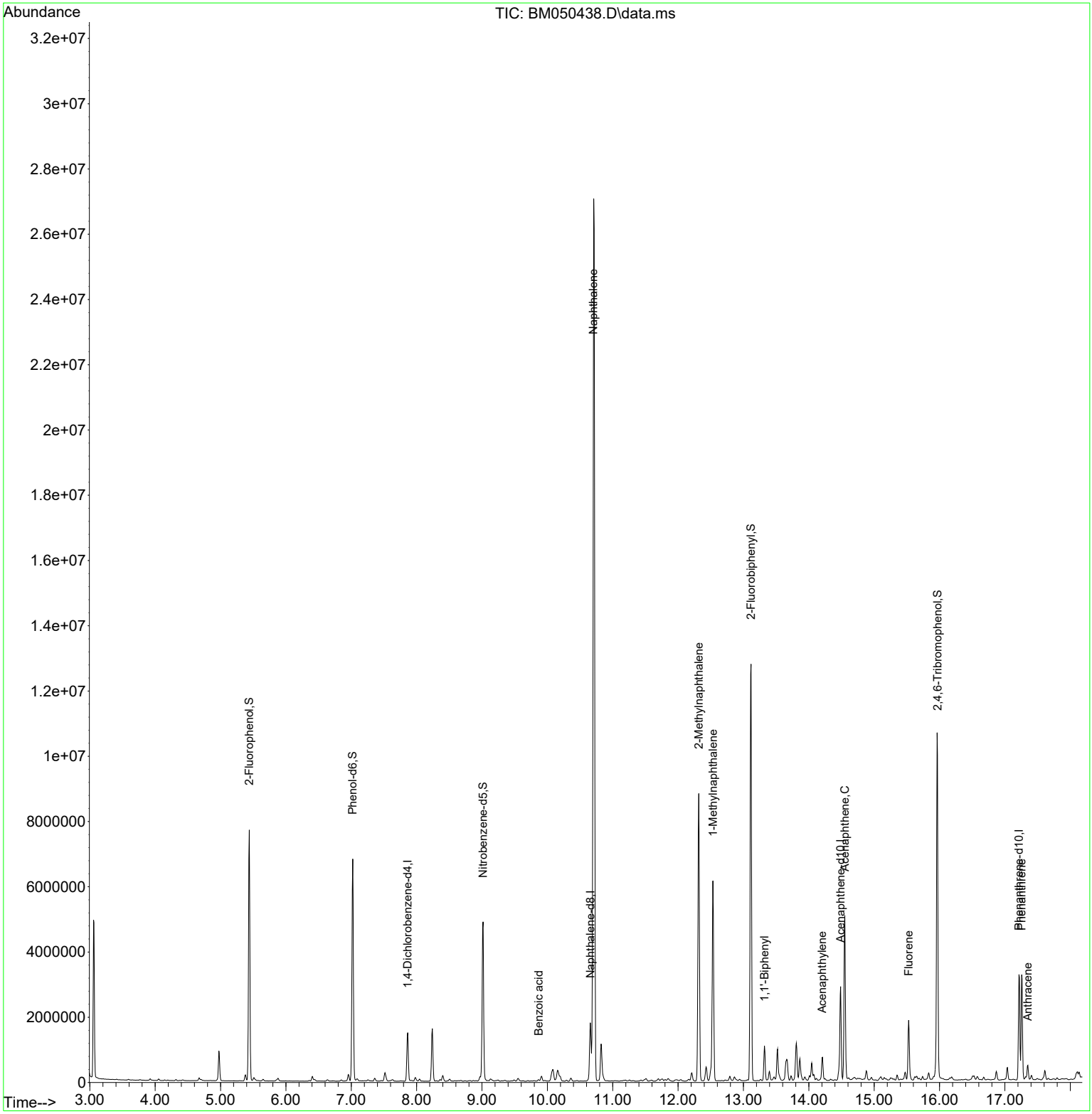
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
Data File : BM050438.D
Acq On : 14 Jul 2025 22:54
Operator : RC/JU
Sample : Q2578-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-A5-01-C

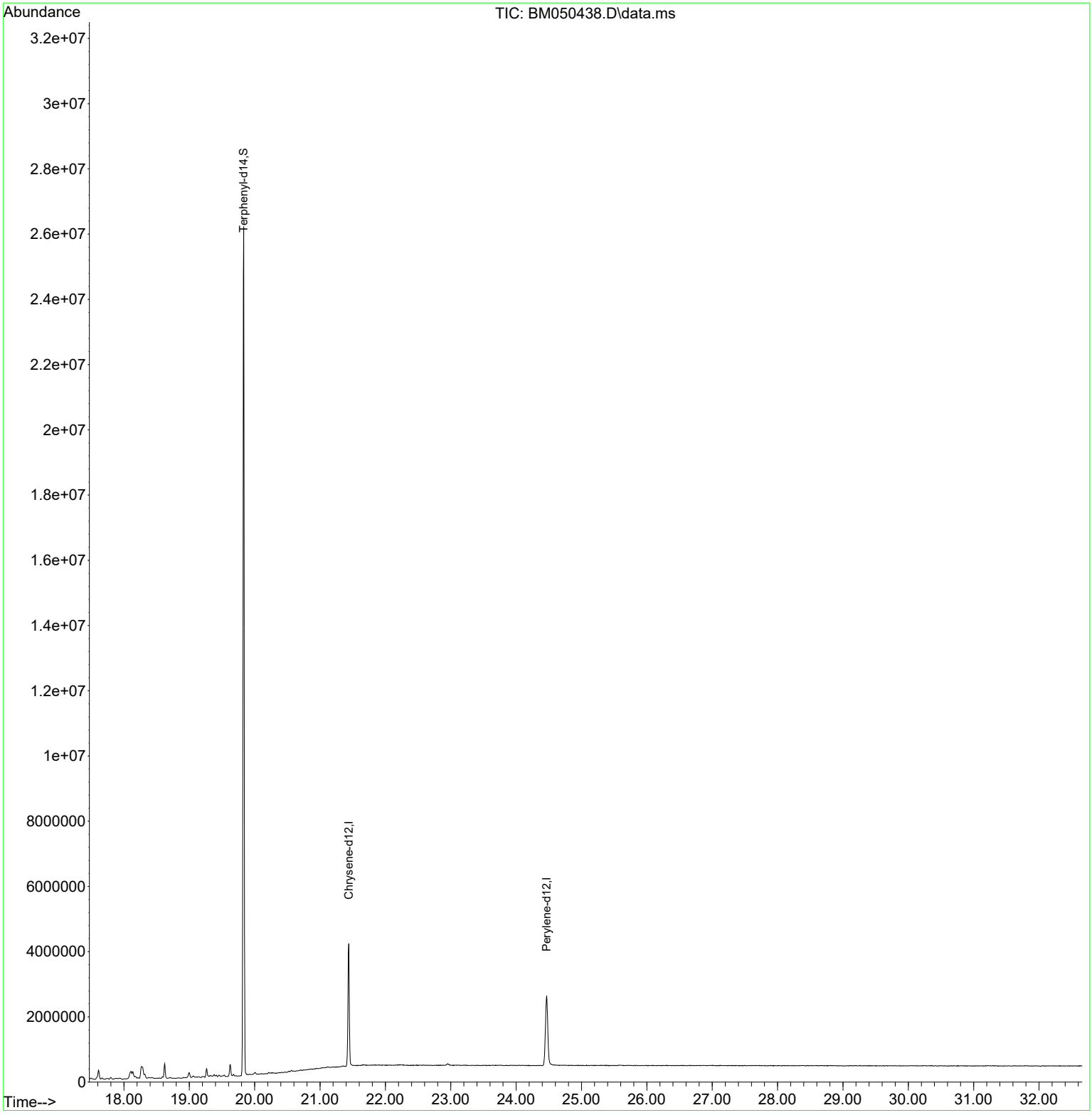
Quant Time: Jul 15 02:05:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

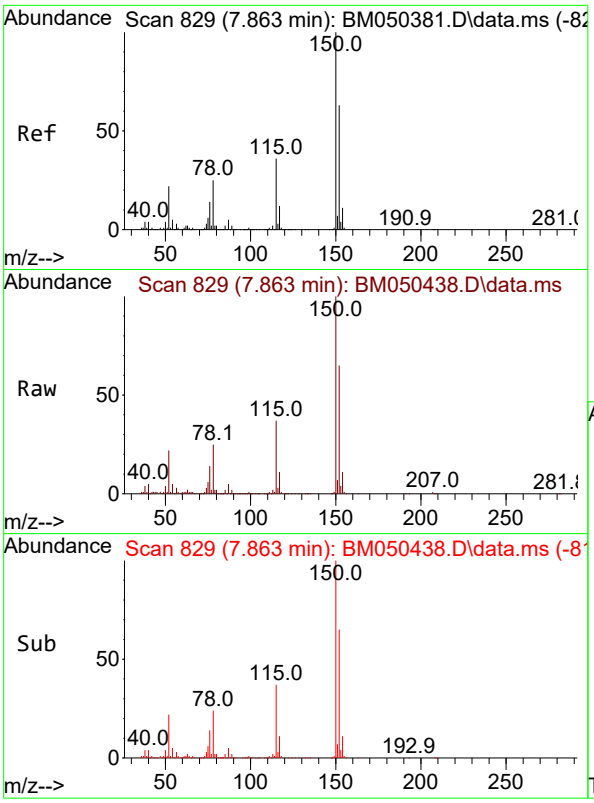


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
Data File : BM050438.D
Acq On : 14 Jul 2025 22:54
Operator : RC/JU
Sample : Q2578-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-A5-01-C

Quant Time: Jul 15 02:05:29 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



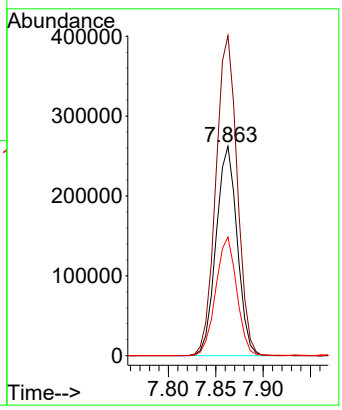


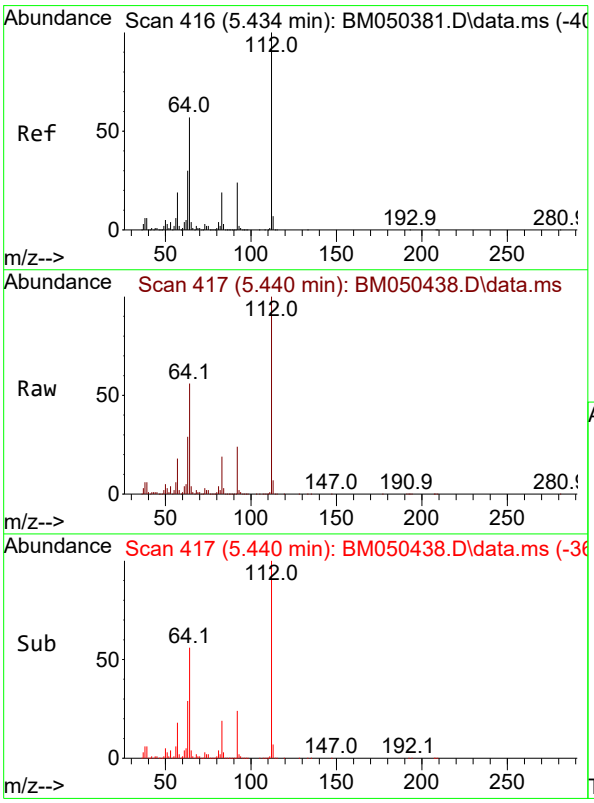
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.863 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050438.D
Acq: 14 Jul 2025 22:54

Instrument :
BNA_M
ClientSampleId :
WC-A5-01-C

Tgt Ion:152 Resp: 406303

Ion	Ratio	Lower	Upper
152	100		
150	152.9	126.2	189.4
115	56.8	45.8	68.8

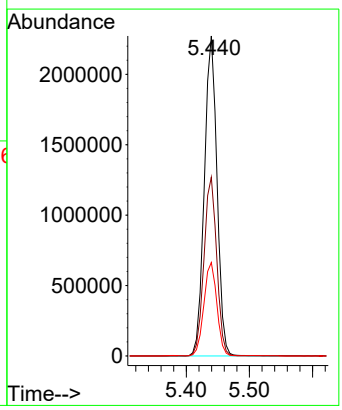


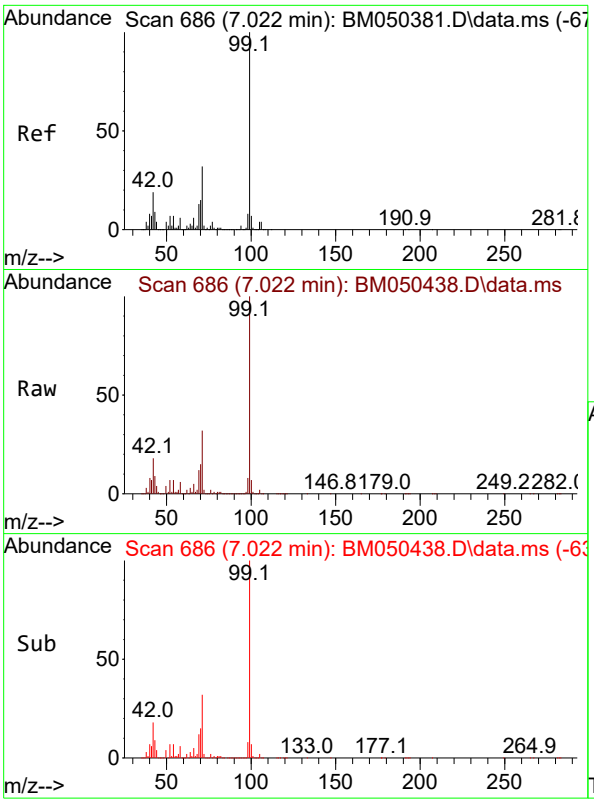


#5
2-Fluorophenol
Concen: 133.725 ng
RT: 5.440 min Scan# 417
Delta R.T. 0.006 min
Lab File: BM050438.D
Acq: 14 Jul 2025 22:54

Tgt Ion:112 Resp: 3156459

Ion	Ratio	Lower	Upper
112	100		
64	55.9	45.5	68.3
63	29.2	24.2	36.4



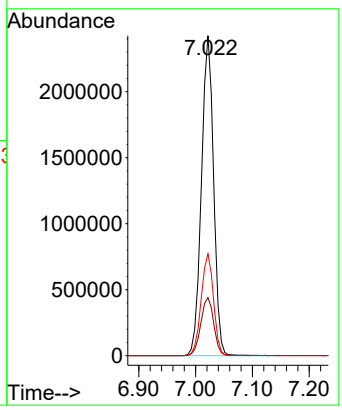


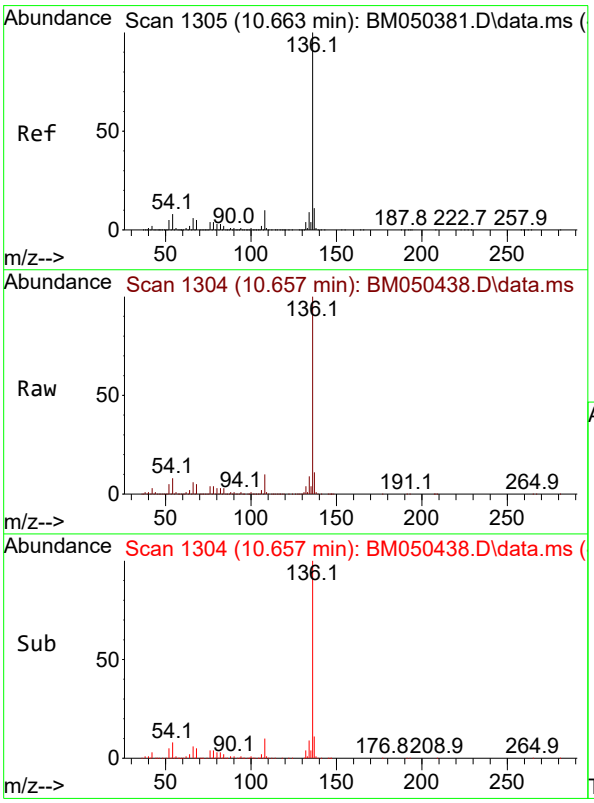
#7
Phenol-d6
Concen: 120.930 ng
RT: 7.022 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050438.D
Acq: 14 Jul 2025 22:54

Instrument :
BNA_M
ClientSampleId :
WC-A5-01-C

Tgt Ion: 99 Resp: 3598339

Ion	Ratio	Lower	Upper
99	100		
42	18.2	15.0	22.6
71	31.9	25.9	38.9

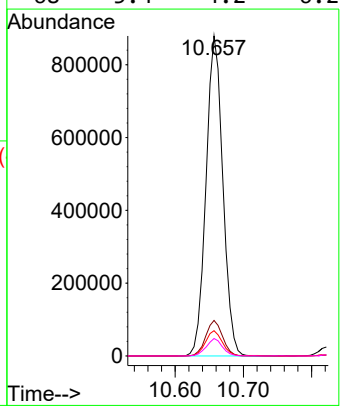


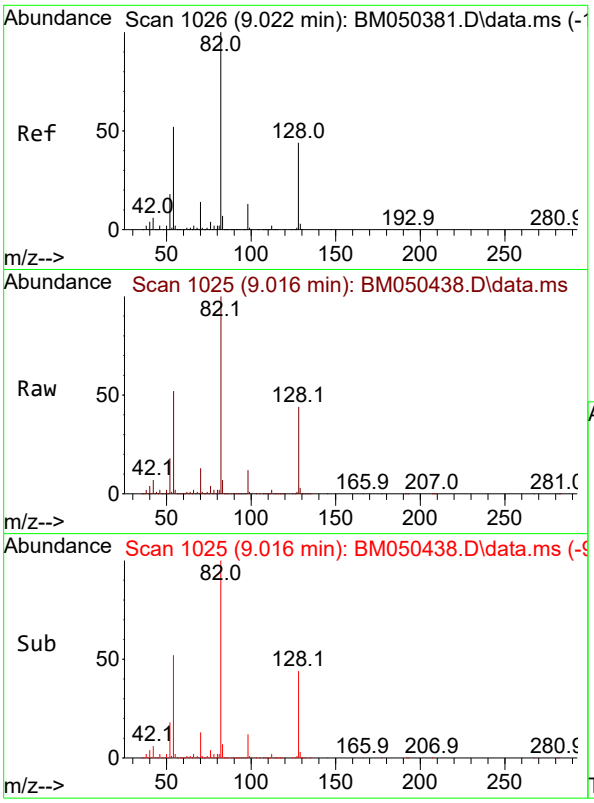


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BM050438.D
Acq: 14 Jul 2025 22:54

Tgt Ion:136 Resp: 1510572

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.9	6.3	9.5
68	5.4	4.2	6.2





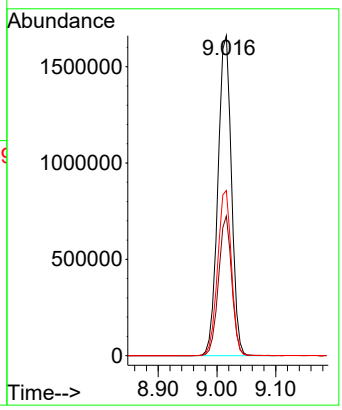
#23
Nitrobenzene-d5
Concen: 89.574 ng
RT: 9.016 min Scan# 1

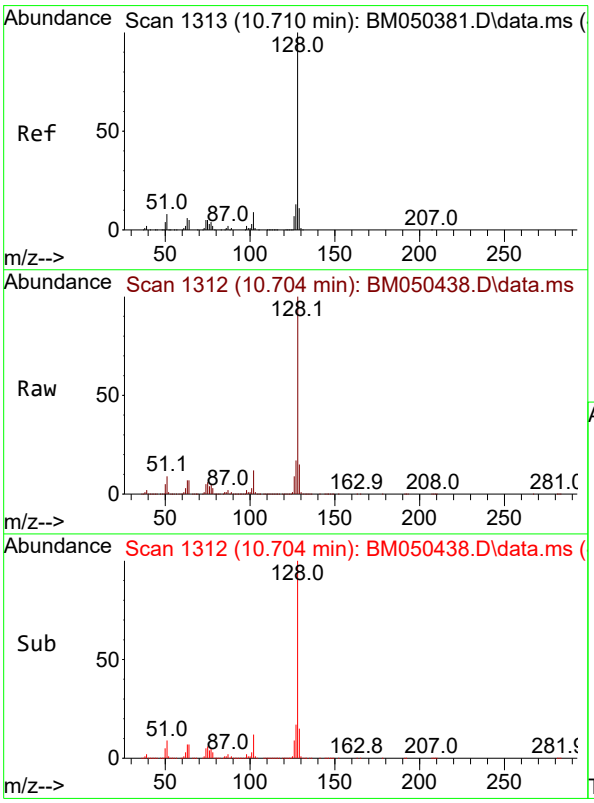
Instrument :
BNA_M
ClientSampleId :
WC-A5-01-C

Delta R.T. -0.006 min
Lab File: BM050438.D
Acq: 14 Jul 2025 22:54

Tgt Ion: 82 Resp: 2652160

Ion	Ratio	Lower	Upper
82	100		
128	43.7	35.2	52.8
54	51.6	41.5	62.3

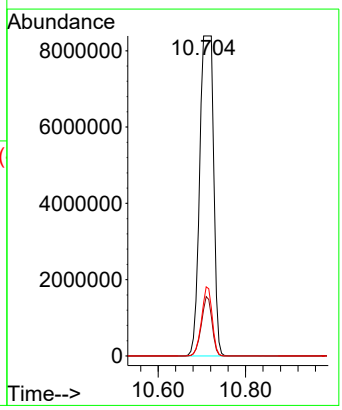


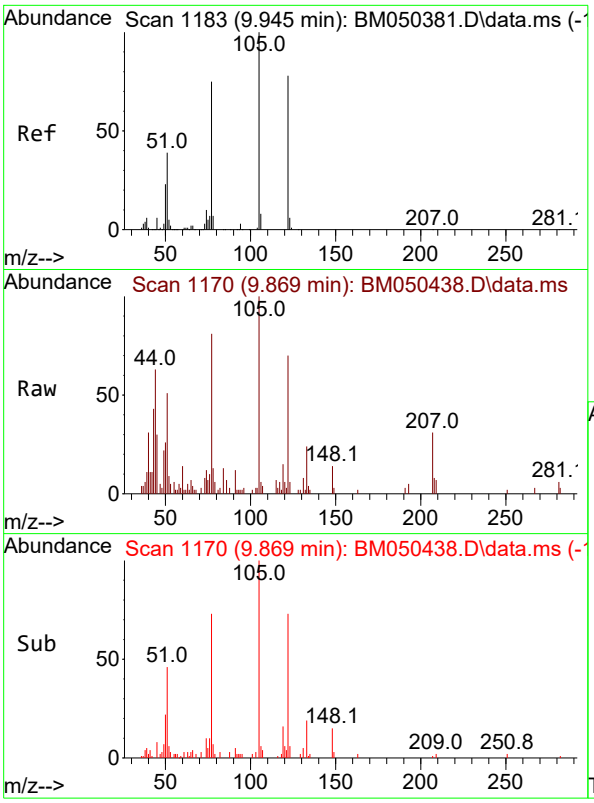


#31
Naphthalene
Concen: 241.542 ng
RT: 10.704 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BM050438.D
Acq: 14 Jul 2025 22:54

Tgt Ion:128 Resp:18532645

Ion	Ratio	Lower	Upper
128	100		
129	14.6	8.8	13.2#
127	16.7	10.4	15.6#



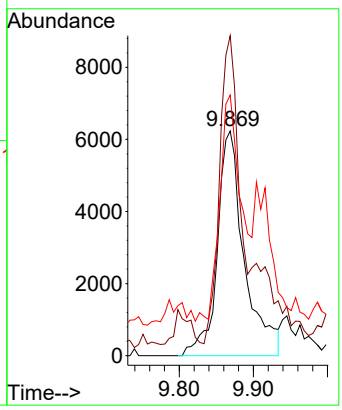


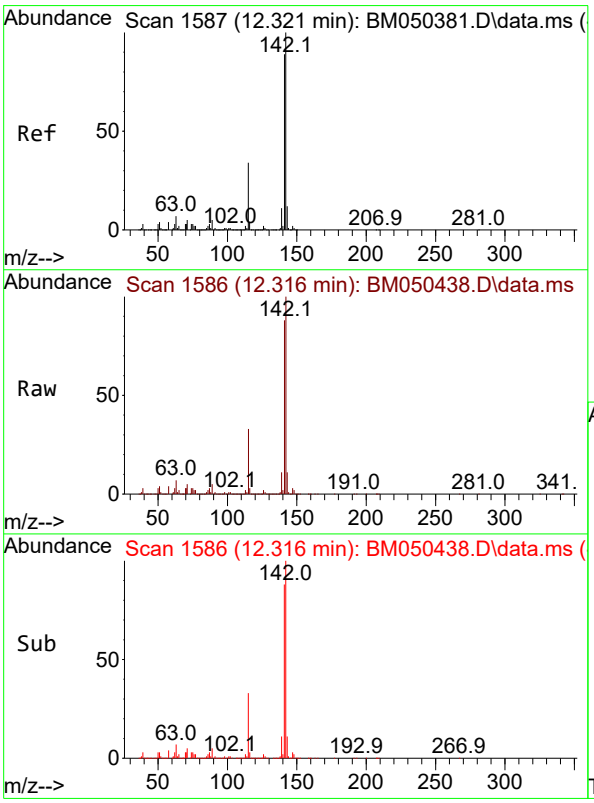
#32
Benzoic acid
Concen: 6.952 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.076 min
Lab File: BM050438.D
Acq: 14 Jul 2025 22:54

Instrument :
BNA_M
ClientSampleId :
WC-A5-01-C

Tgt Ion:122 Resp: 15714

Ion	Ratio	Lower	Upper
122	100		
105	142.5	104.0	144.0
77	116.0	73.8	113.8#

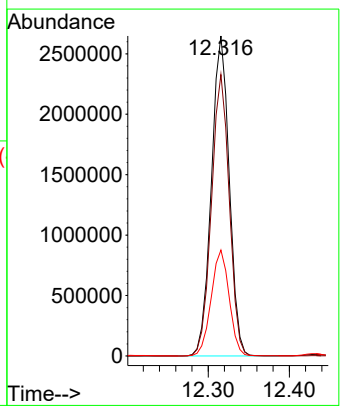


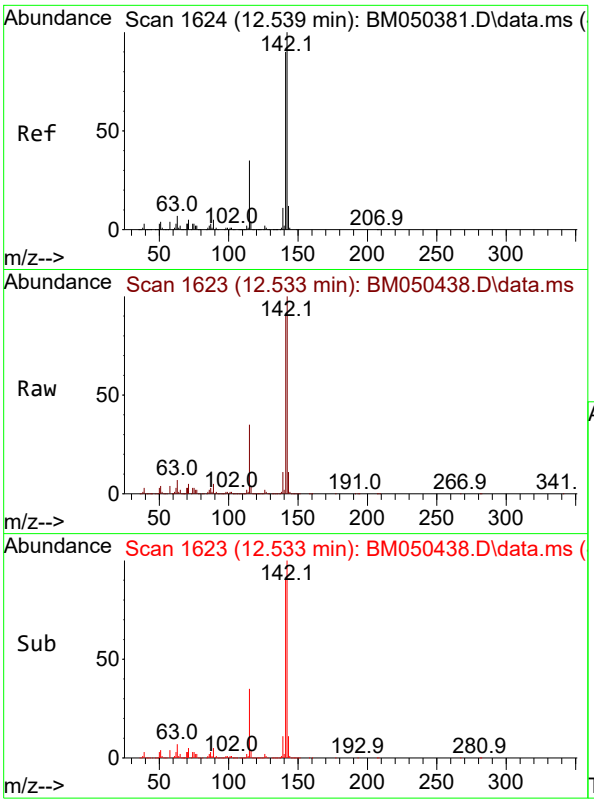


#37
2-Methylnaphthalene
Concen: 83.561 ng
RT: 12.316 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BM050438.D
Acq: 14 Jul 2025 22:54

Tgt Ion:142 Resp: 4048151

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.8	106.2
115	33.1	27.0	40.4



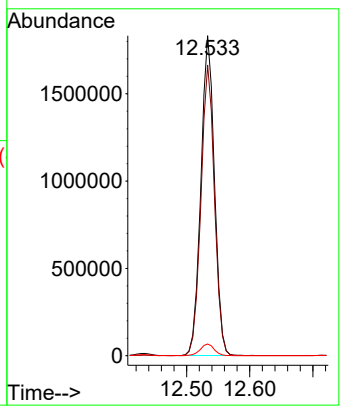


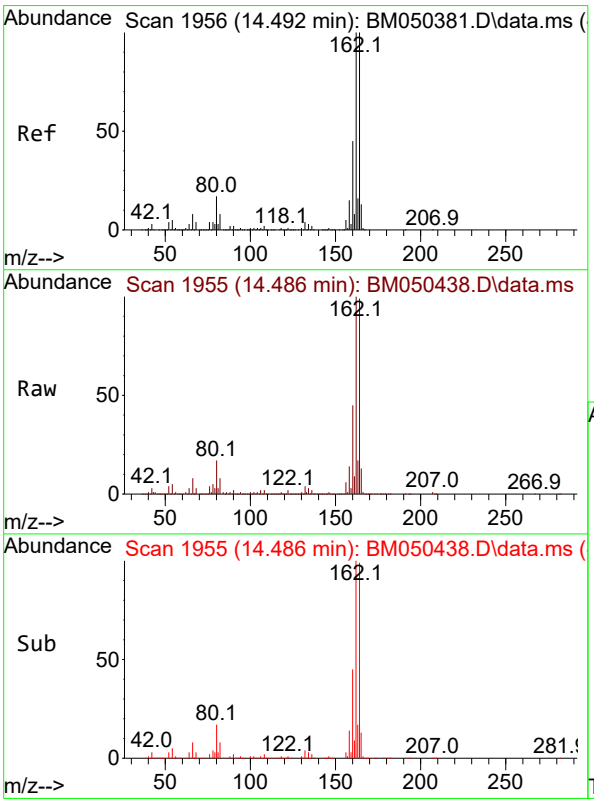
#38
1-Methylnaphthalene
Concen: 53.220 ng
RT: 12.533 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050438.D
Acq: 14 Jul 2025 22:54

Instrument :
BNA_M
ClientSampleId :
WC-A5-01-C

Tgt Ion:142 Resp: 2728595

Ion	Ratio	Lower	Upper
142	100		
141	90.8	71.9	107.9
116	3.7	3.0	4.6

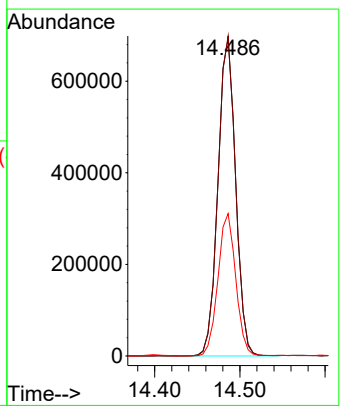


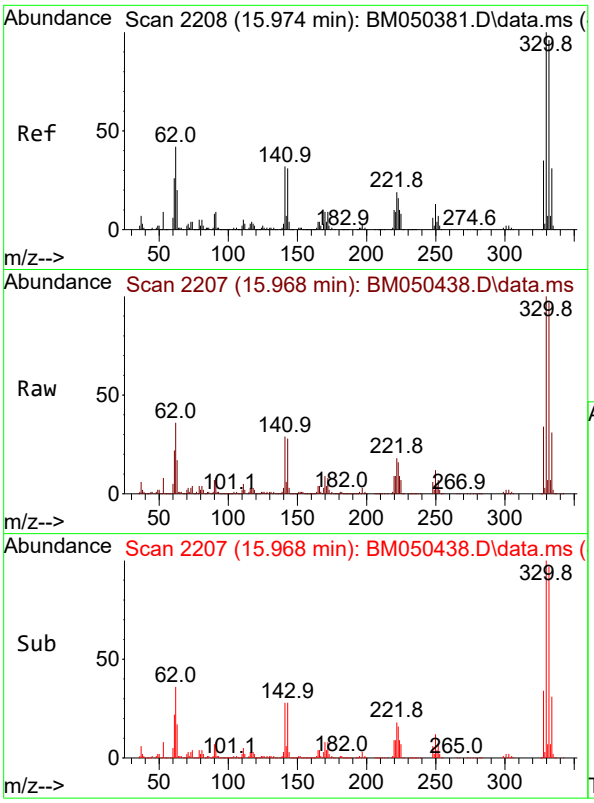


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.006 min
Lab File: BM050438.D
Acq: 14 Jul 2025 22:54

Tgt Ion:164 Resp: 1001056

Ion	Ratio	Lower	Upper
164	100		
162	100.7	79.9	119.9
160	44.8	36.2	54.4



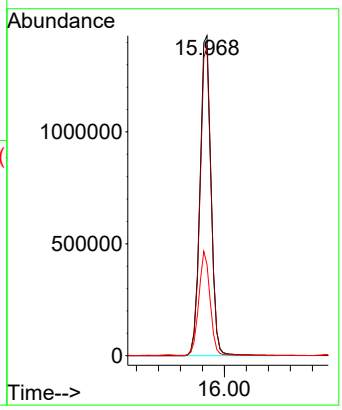


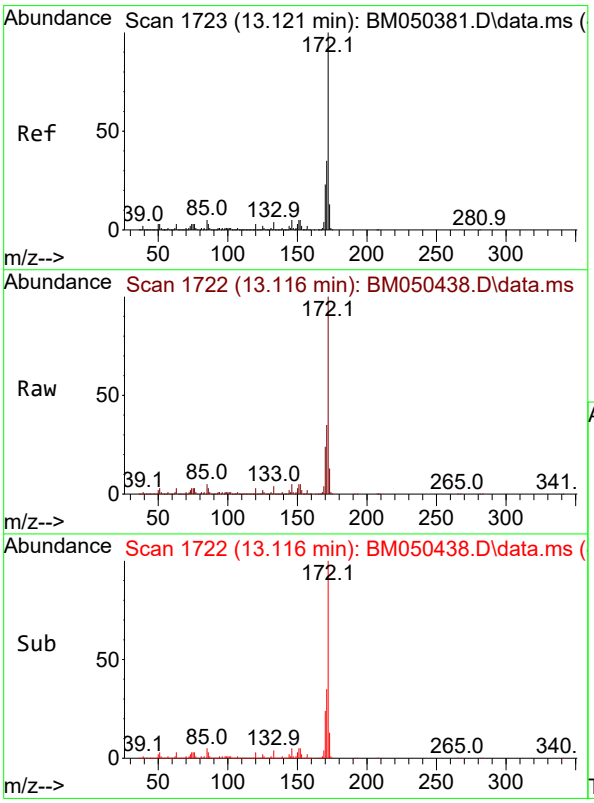
#42
2,4,6-Tribromophenol
Concen: 164.420 ng
RT: 15.968 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050438.D
Acq: 14 Jul 2025 22:54

Instrument :
BNA_M
ClientSampleId :
WC-A5-01-C

Tgt Ion:330 Resp: 1999830

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.9	115.3
141	32.8	27.4	41.0

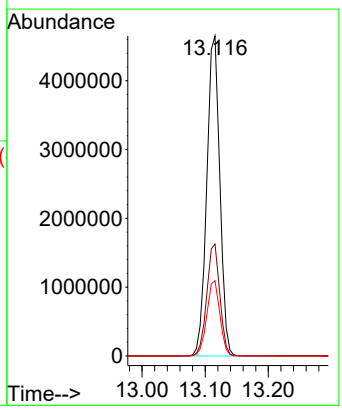


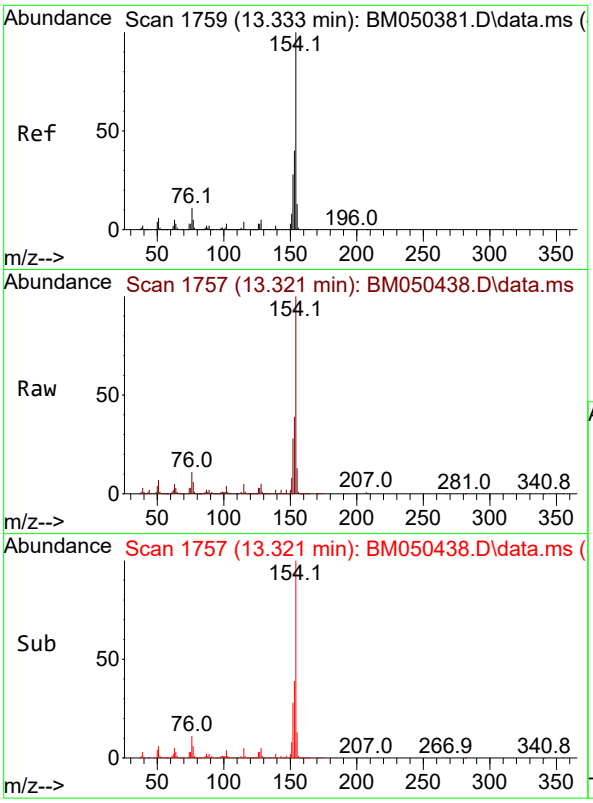


#45
2-Fluorobiphenyl
Concen: 82.476 ng
RT: 13.116 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BM050438.D
Acq: 14 Jul 2025 22:54

Tgt Ion:172 Resp: 6685623

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.7	41.5
170	23.5	18.8	28.2



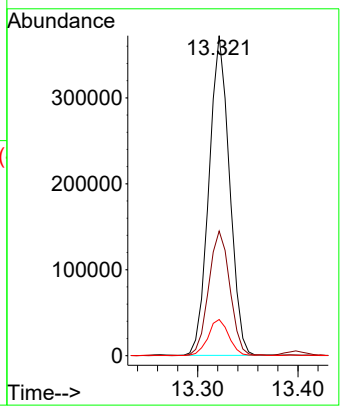


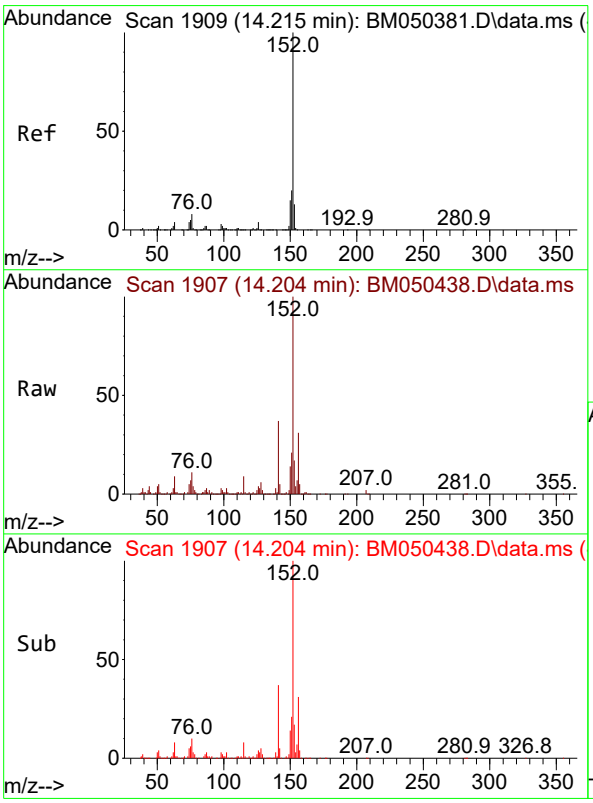
#46
1,1'-Biphenyl
Concen: 7.149 ng
RT: 13.321 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM050438.D
Acq: 14 Jul 2025 22:54

Instrument :
BNA_M
ClientSampleId :
WC-A5-01-C

Tgt Ion:154 Resp: 530987

Ion	Ratio	Lower	Upper
154	100		
153	38.9	19.7	59.7
76	11.3	0.0	30.9

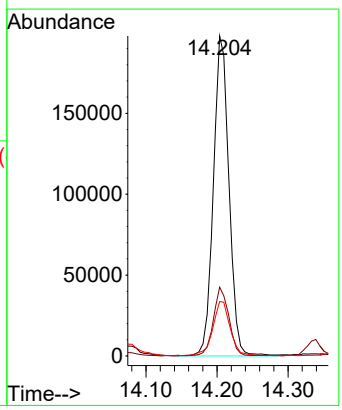


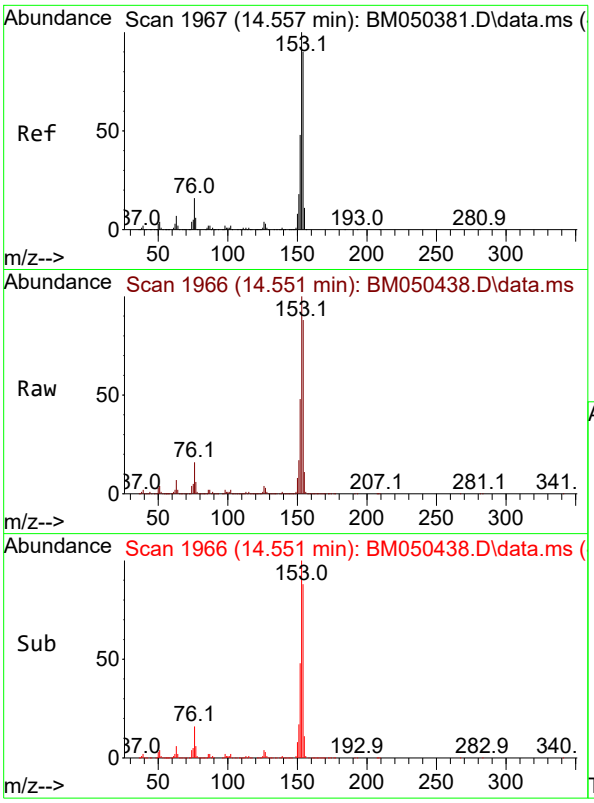


#49
Acenaphthylene
Concen: 3.364 ng
RT: 14.204 min Scan# 1907
Delta R.T. -0.012 min
Lab File: BM050438.D
Acq: 14 Jul 2025 22:54

Tgt Ion:152 Resp: 301017

Ion	Ratio	Lower	Upper
152	100		
151	21.5	16.3	24.5
153	17.0	10.6	15.8#



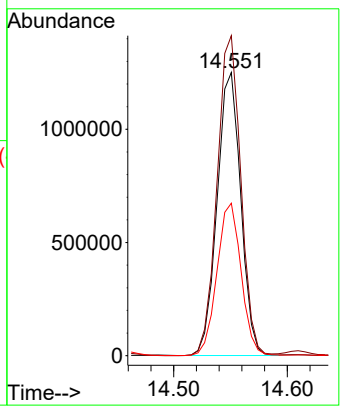


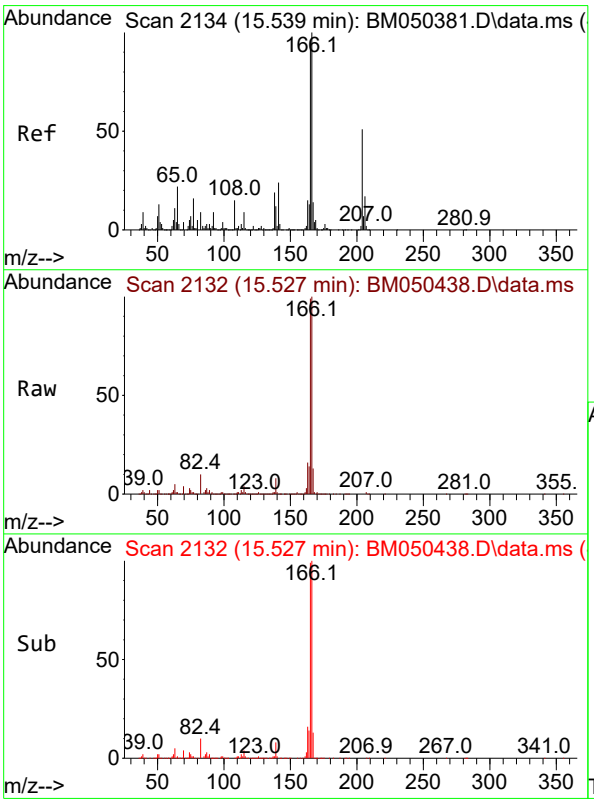
#52
Acenaphthene
Concen: 31.830 ng
RT: 14.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050438.D
Acq: 14 Jul 2025 22:54

Instrument :
BNA_M
ClientSampleId :
WC-A5-01-C

Tgt Ion:154 Resp: 1811059

Ion	Ratio	Lower	Upper
154	100		
153	113.0	89.2	133.8
152	53.9	42.6	64.0

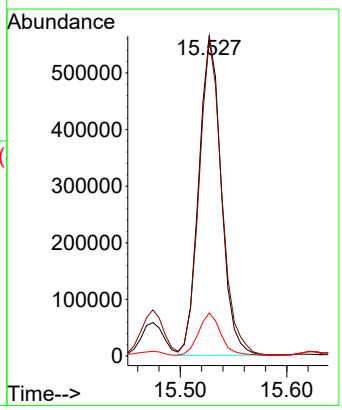


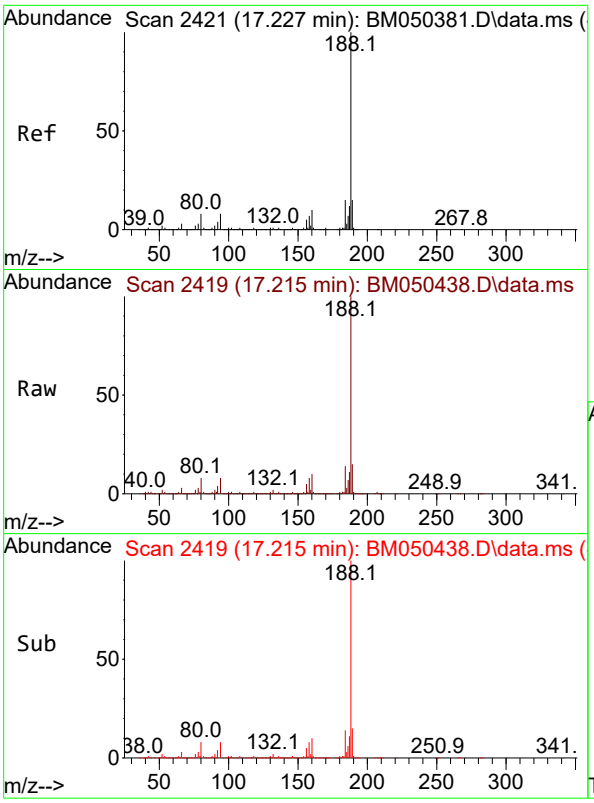


#58
Fluorene
Concen: 11.437 ng
RT: 15.527 min Scan# 2132
Delta R.T. -0.012 min
Lab File: BM050438.D
Acq: 14 Jul 2025 22:54

Tgt Ion:166 Resp: 825826

Ion	Ratio	Lower	Upper
166	100		
165	98.9	77.0	115.6
167	13.5	10.9	16.3



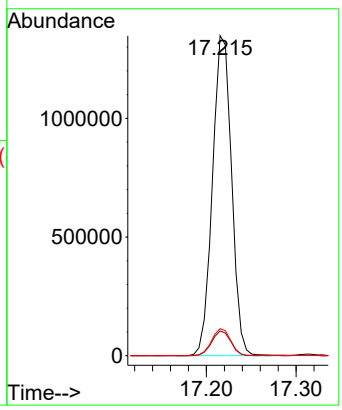


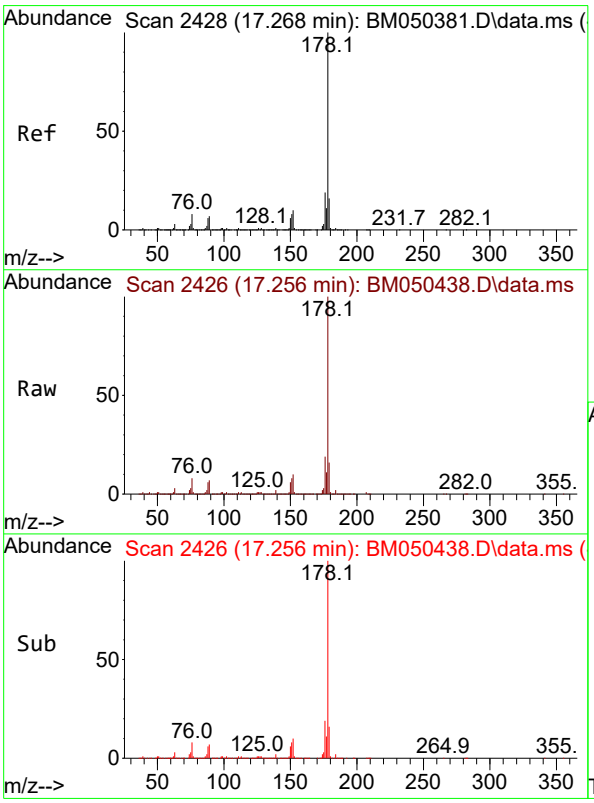
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.215 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM050438.D
Acq: 14 Jul 2025 22:54

Instrument :
BNA_M
ClientSampleId :
WC-A5-01-C

Tgt Ion:188 Resp: 1993082

Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.0	9.0
80	8.5	6.5	9.7

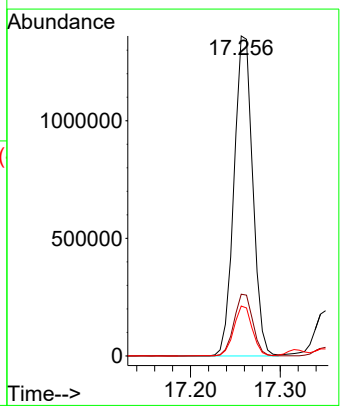


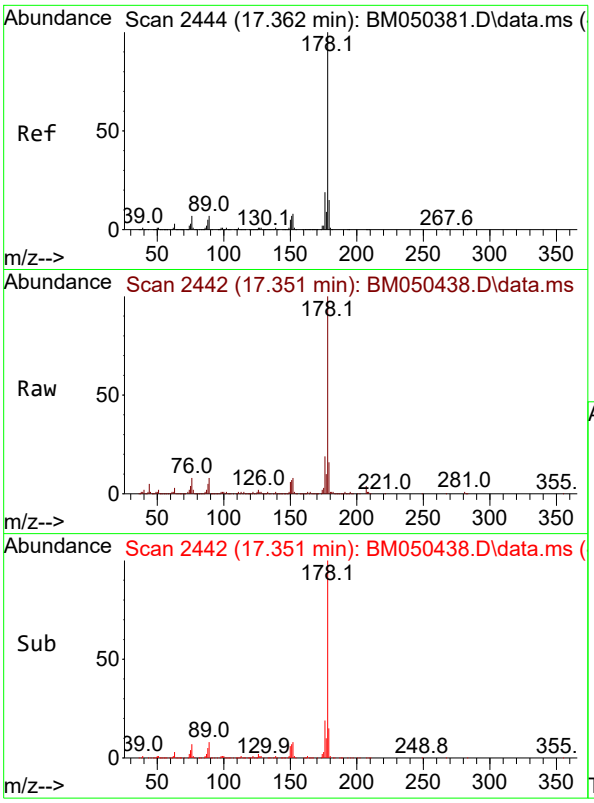


#71
Phenanthrene
Concen: 17.458 ng
RT: 17.256 min Scan# 2426
Delta R.T. -0.012 min
Lab File: BM050438.D
Acq: 14 Jul 2025 22:54

Tgt Ion:178 Resp: 1968866

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.6	12.5	18.7



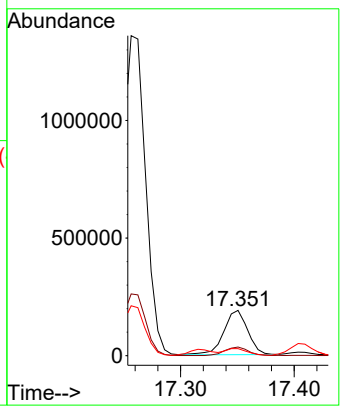


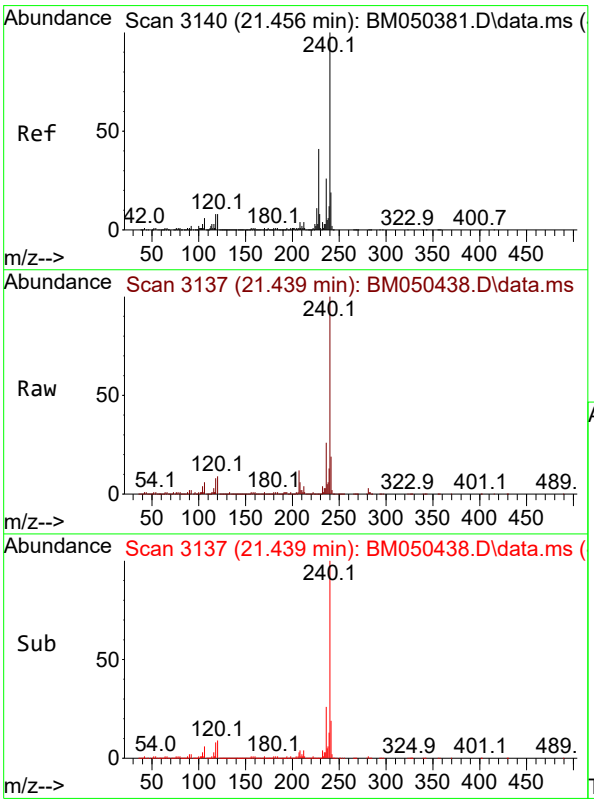
#72
Anthracene
Concen: 2.472 ng
RT: 17.351 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM050438.D
Acq: 14 Jul 2025 22:54

Instrument :
BNA_M
ClientSampleId :
WC-A5-01-C

Tgt Ion:178 Resp: 277524

Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.9	22.3
179	15.7	12.2	18.4

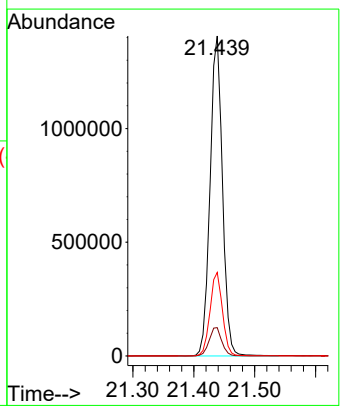


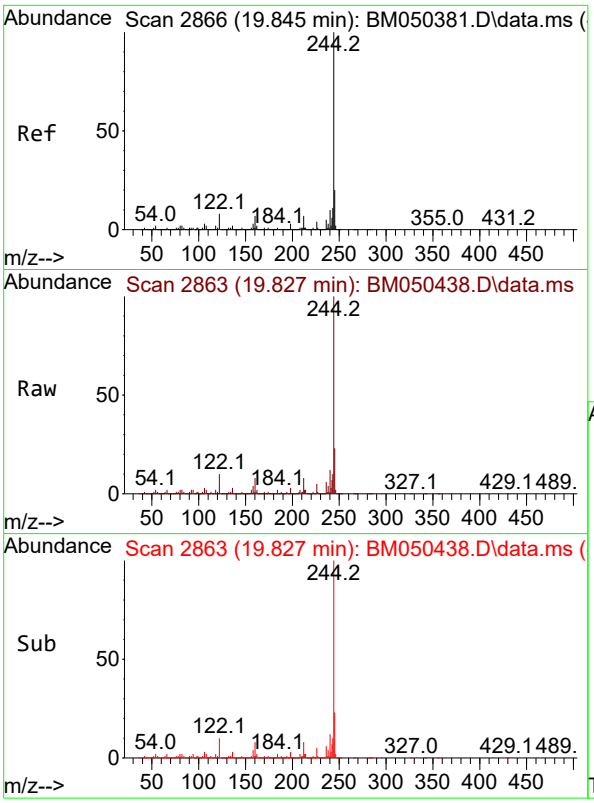


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3137
Delta R.T. -0.018 min
Lab File: BM050438.D
Acq: 14 Jul 2025 22:54

Tgt Ion:240 Resp: 1992538

Ion	Ratio	Lower	Upper
240	100		
120	8.8	6.7	10.1
236	26.1	20.7	31.1



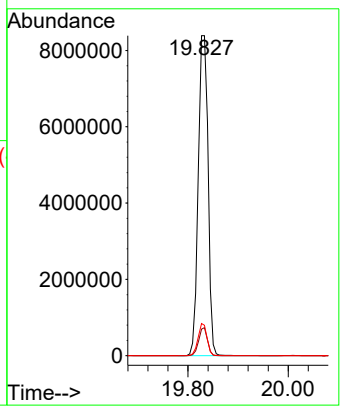


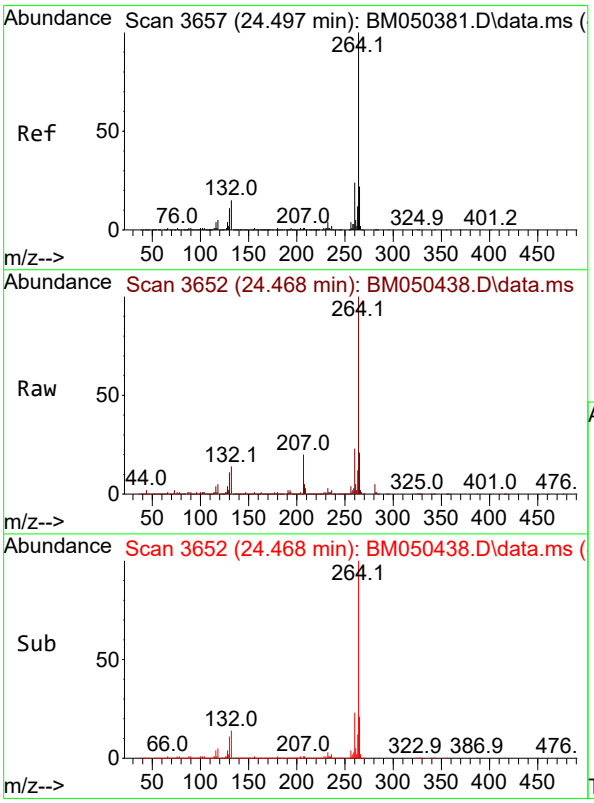
#79
Terphenyl-d14
Concen: 100.361 ng
RT: 19.827 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM050438.D
Acq: 14 Jul 2025 22:54

Instrument :
BNA_M
ClientSampleId :
WC-A5-01-C

Tgt Ion:244 Resp:11365563

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: 24.468 min Scan# 3652
Delta R.T. -0.029 min
Lab File: BM050438.D
Acq: 14 Jul 2025 22:54

Tgt Ion:264 Resp: 2058330

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.4	17.8	26.6