Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040725\
Data File : BM049846.D
Acq On : 07 Apr 2025 19:18
Operator : RC/JU
Sample : Q1732-01 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TT-8

Quant Time: Apr 08 01:00:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.787	152	406518	20.000	ng		-0.02
21) Naphthalene-d8	10.581	136	1420039	20.000	ng		-0.02
39) Acenaphthene-d10	14.427	164	930453	20.000	ng		-0.02
64) Phenanthrene-d10	17.168	188	1824939	20.000	ng		-0.02
76) Chrysene-d12	21.409	240	1851379	20.000	ng		-0.02
86) Perylene-d12	24.421	264	2142266	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.369	112	172808	7.173	ng		-0.02
7) Phenol-d6	6.957	99	210178	6.952	ng		-0.02
23) Nitrobenzene-d5	8.939	82	117604	4.252	ng		-0.02
42) 2,4,6-Tribromophenol	15.915	330	104949	9.659	ng		-0.02
45) 2-Fluorobiphenyl	13.045	172	347118	4.672	ng		-0.02
79) Terphenyl-d14	19.792	244	465669	4.239	ng		-0.02
Target Compounds							Qvalue
71) Phenanthrene	17.209	178	255635	2.523	ng		99
75) Fluoranthene	19.227	202	462963	3.968	ng		97
78) Pyrene	19.592	202	417264	3.226	ng		99
88) Benzo(b)fluoranthene	23.474	252	313195	2.171	ng	#	78

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

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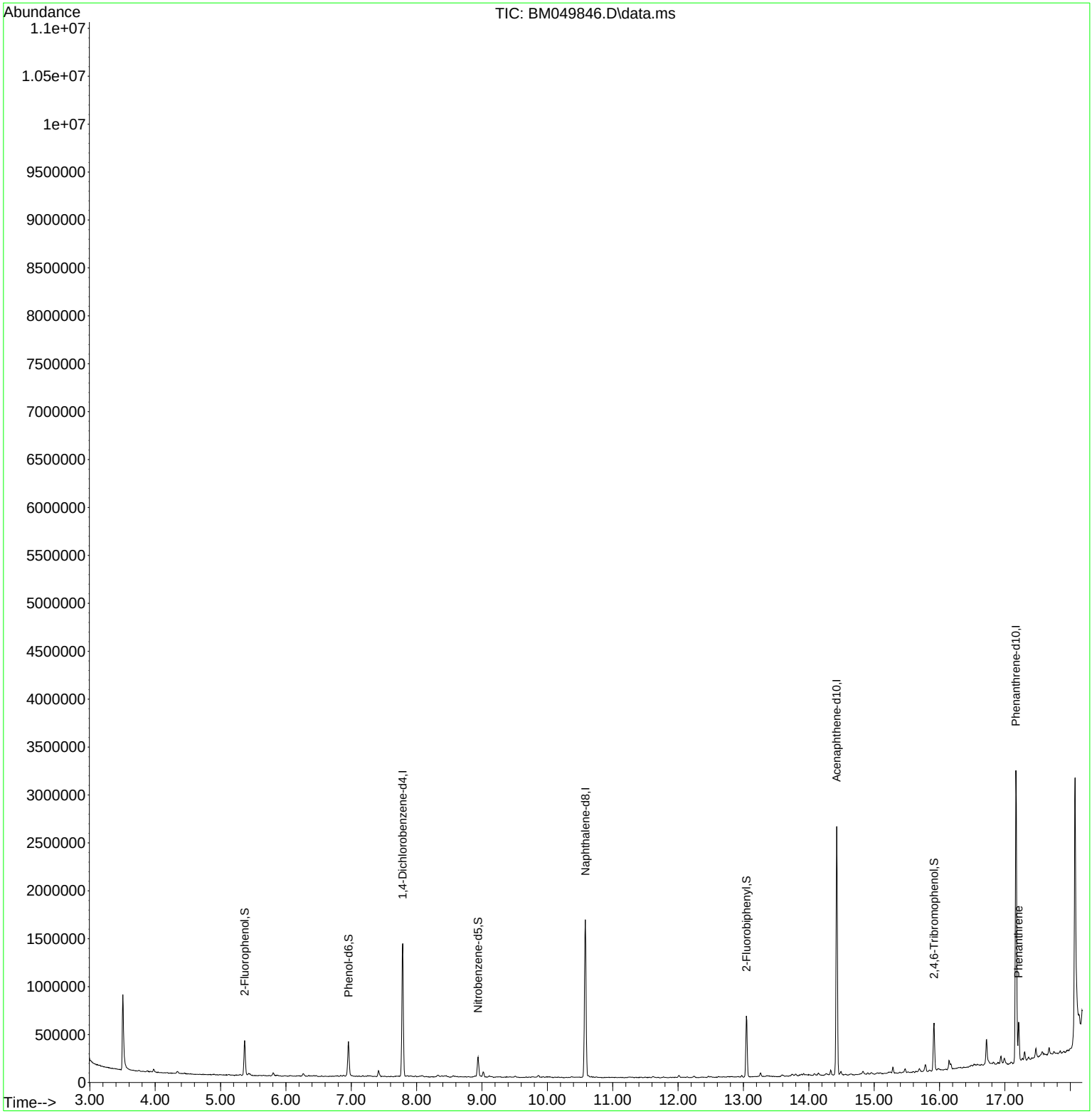

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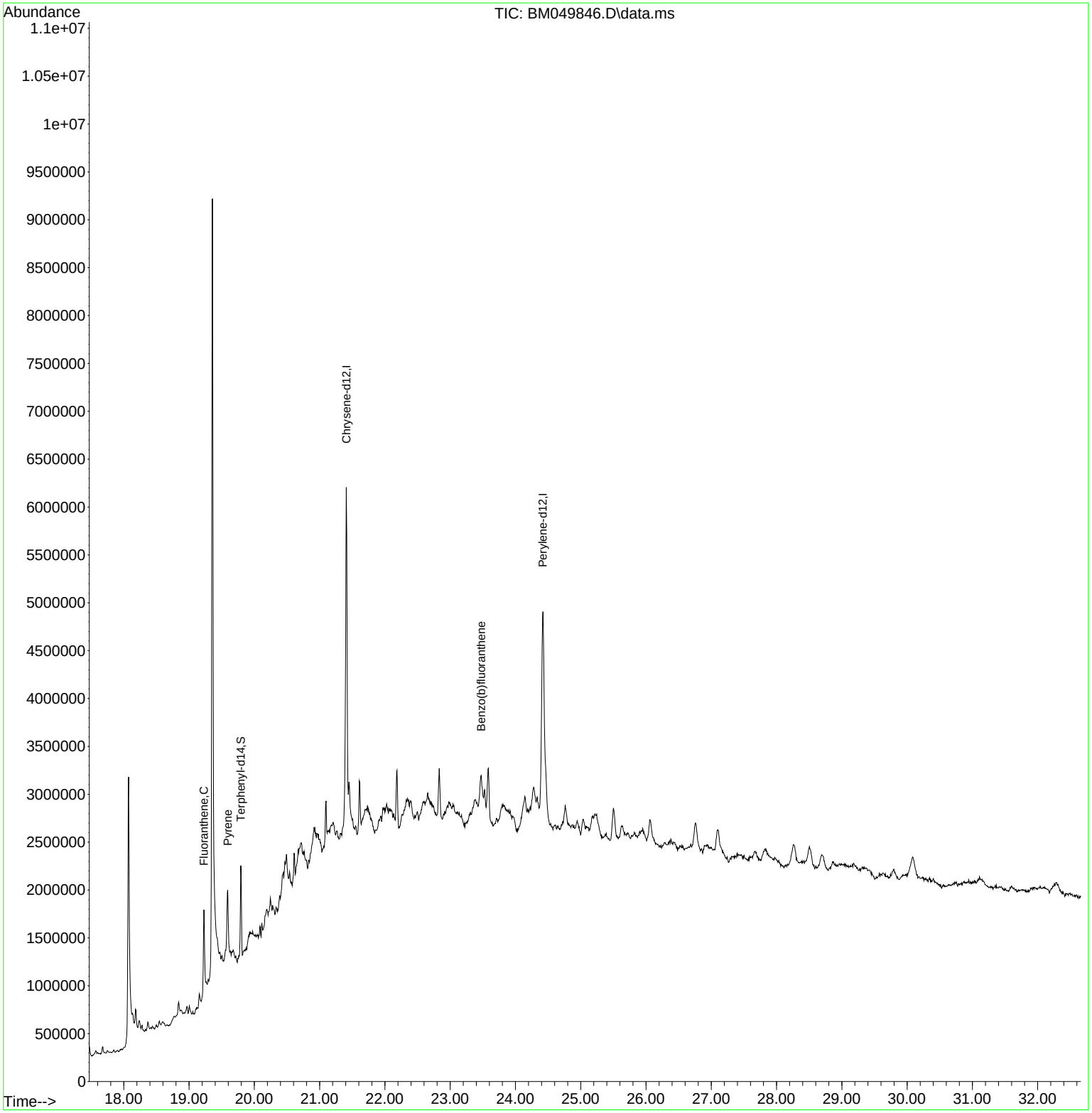
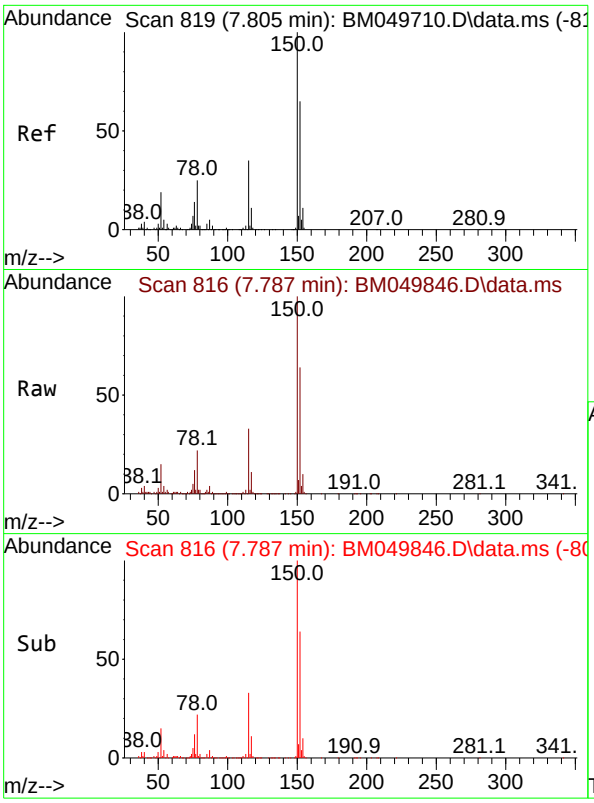


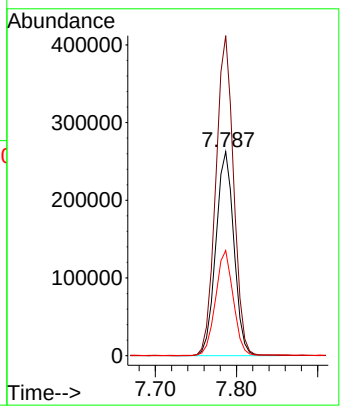


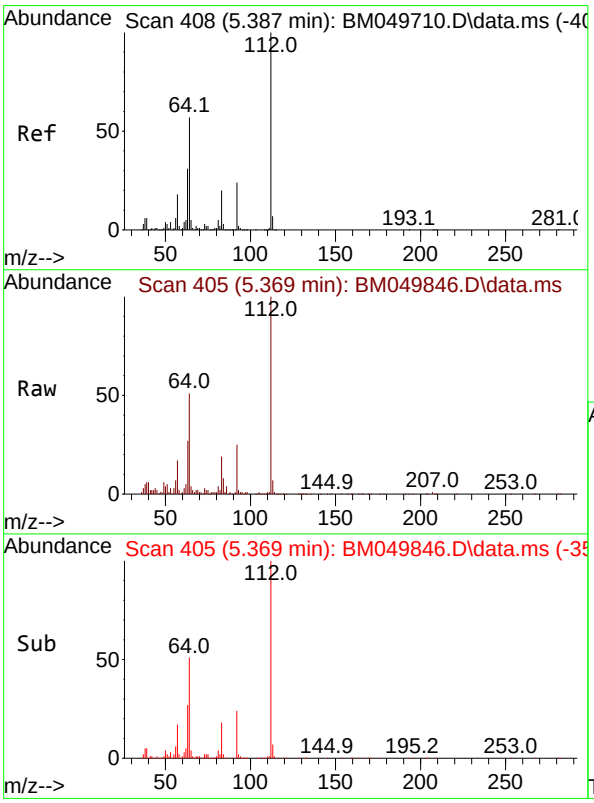
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.018 min
Lab File: BM049846.D
Acq: 07 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
TT-8

Tgt Ion:152 Resp: 406518

Ion	Ratio	Lower	Upper
152	100		
150	156.9	123.8	185.8
115	51.5	43.0	64.6

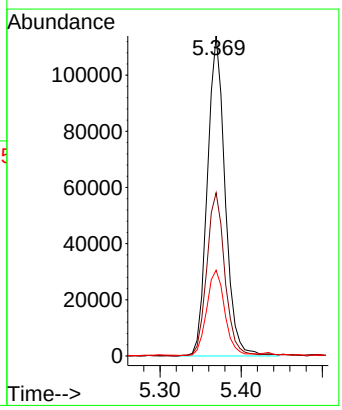


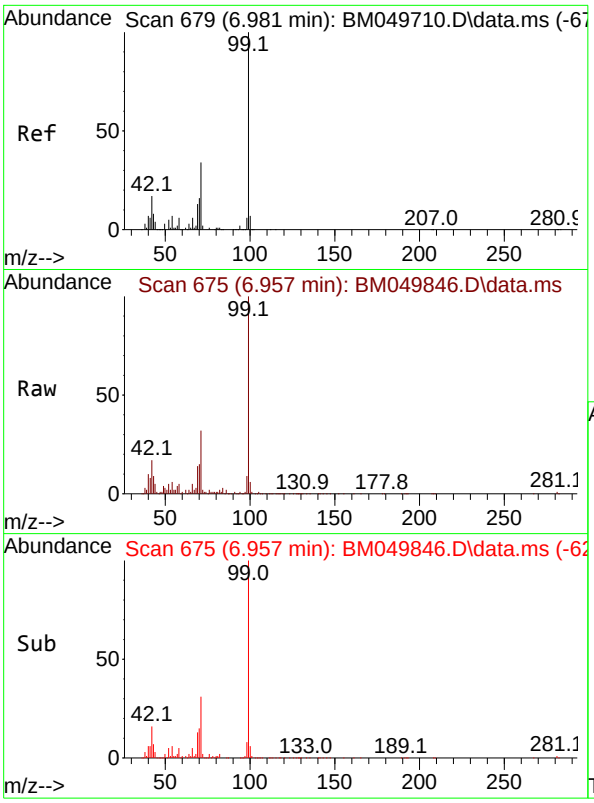


#5
2-Fluorophenol
Concen: 7.173 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.018 min
Lab File: BM049846.D
Acq: 07 Apr 2025 19:18

Tgt Ion:112 Resp: 172808

Ion	Ratio	Lower	Upper
112	100		
64	51.0	45.3	67.9
63	26.8	24.4	36.6



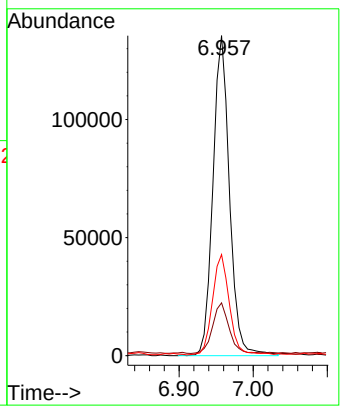


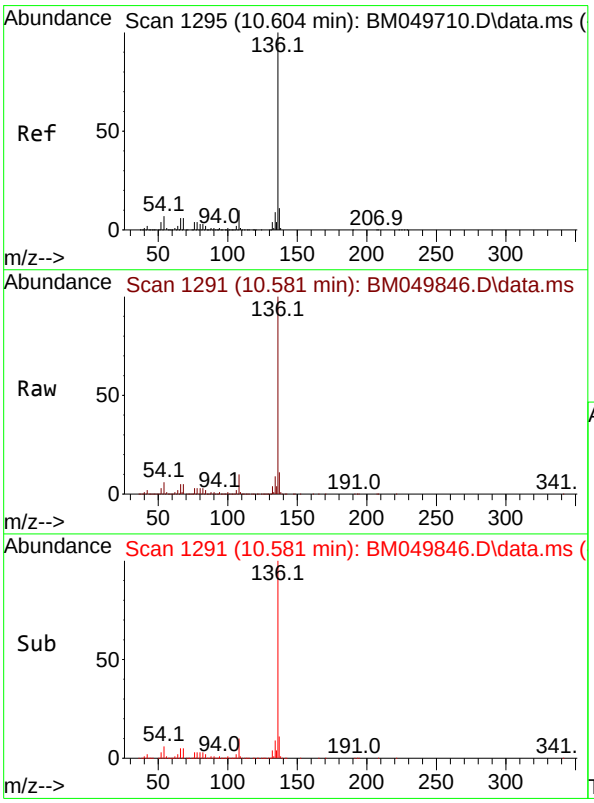
#7
Phenol-d6
Concen: 6.952 ng
RT: 6.957 min Scan# 6
Delta R.T. -0.024 min
Lab File: BM049846.D
Acq: 07 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
TT-8

Tgt Ion: 99 Resp: 210178

Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.6	20.4
71	31.6	27.0	40.6

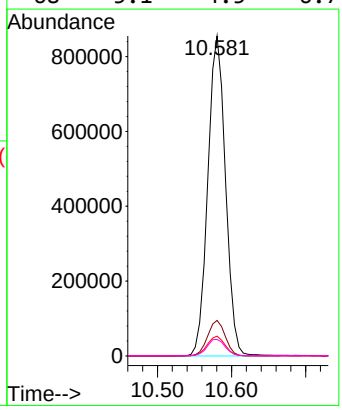


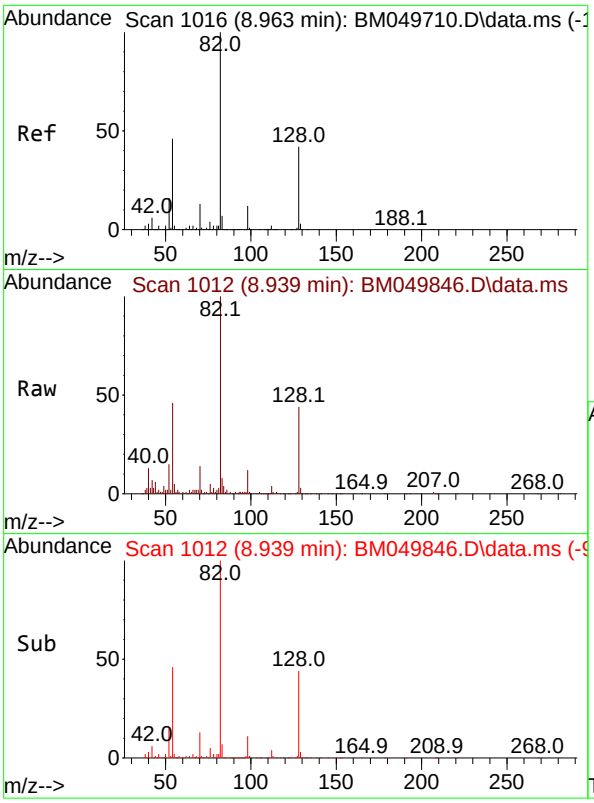


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049846.D
Acq: 07 Apr 2025 19:18

Tgt Ion:136 Resp: 1420039

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	6.2	5.8	8.8
68	5.1	4.5	6.7



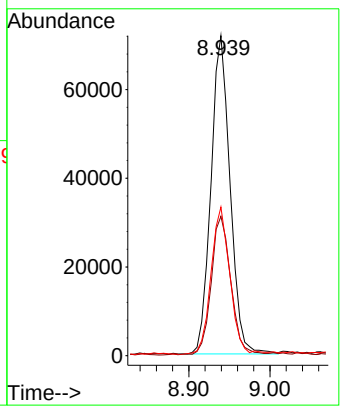


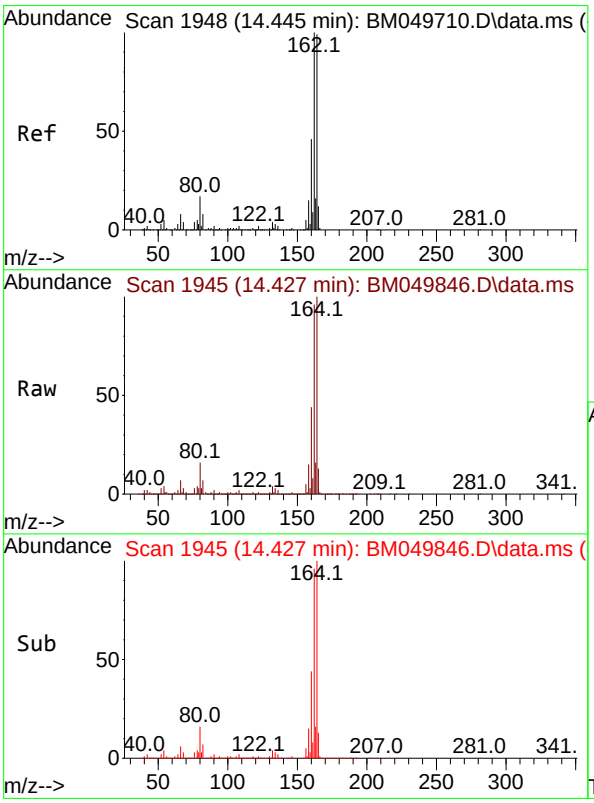
#23
Nitrobenzene-d5
Concen: 4.252 ng
RT: 8.939 min Scan# 1(
Delta R.T. -0.024 min
Lab File: BM049846.D
Acq: 07 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
TT-8

Tgt Ion: 82 Resp: 117604

Ion	Ratio	Lower	Upper
82	100		
128	43.6	33.4	50.0
54	46.5	36.4	54.6

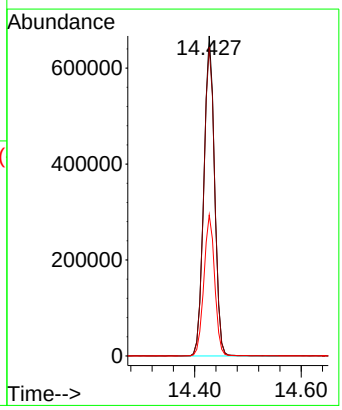


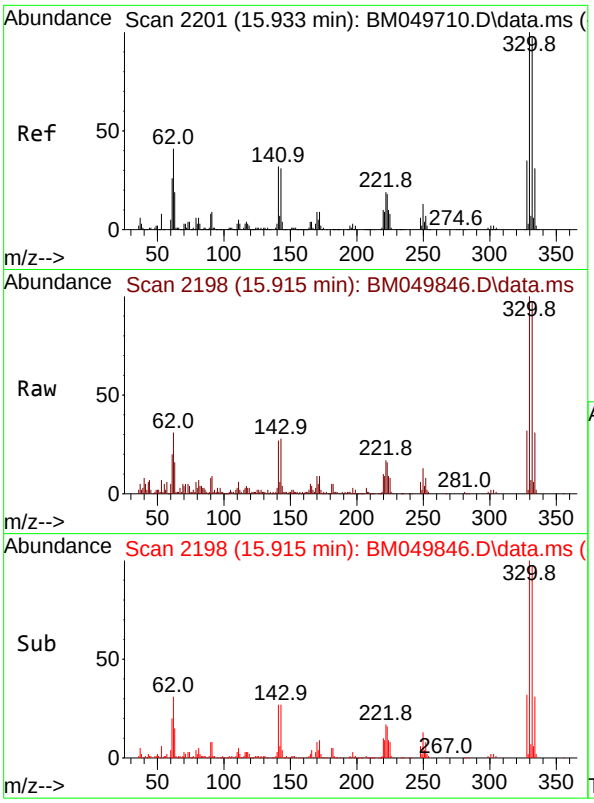


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049846.D
Acq: 07 Apr 2025 19:18

Tgt Ion:164 Resp: 930453

Ion	Ratio	Lower	Upper
164	100		
162	96.5	80.5	120.7
160	44.0	36.9	55.3



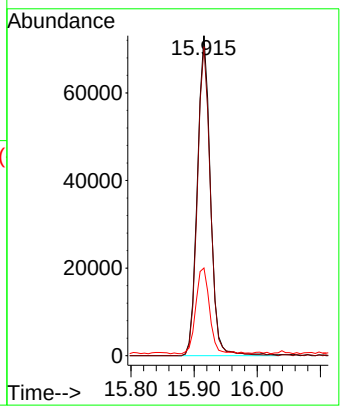


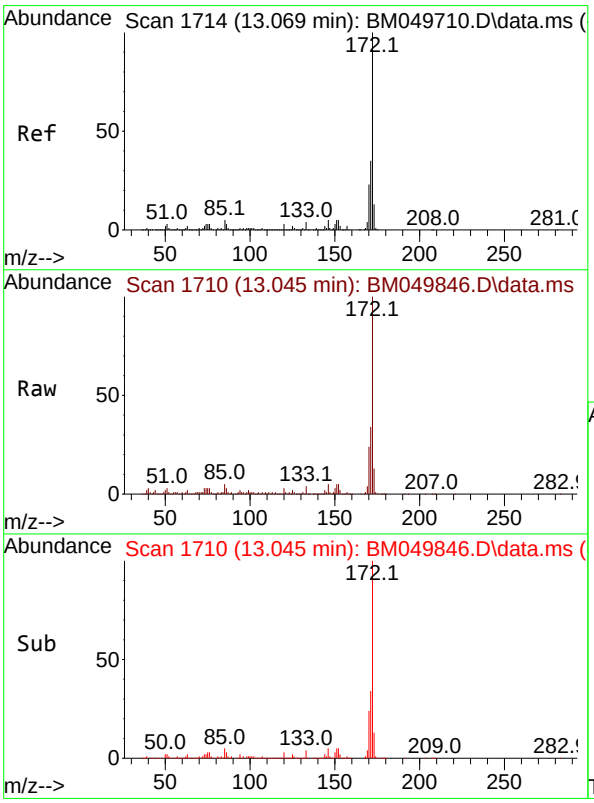
#42
2,4,6-Tribromophenol
Concen: 9.659 ng
RT: 15.915 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049846.D
Acq: 07 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
TT-8

Tgt Ion:330 Resp: 104949

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.4
141	28.2	27.8	41.6

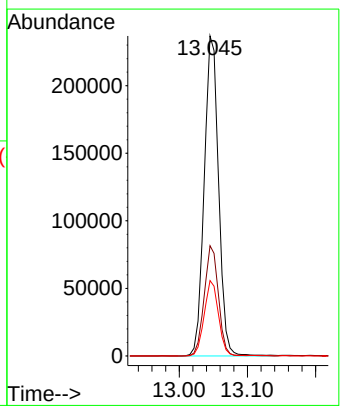


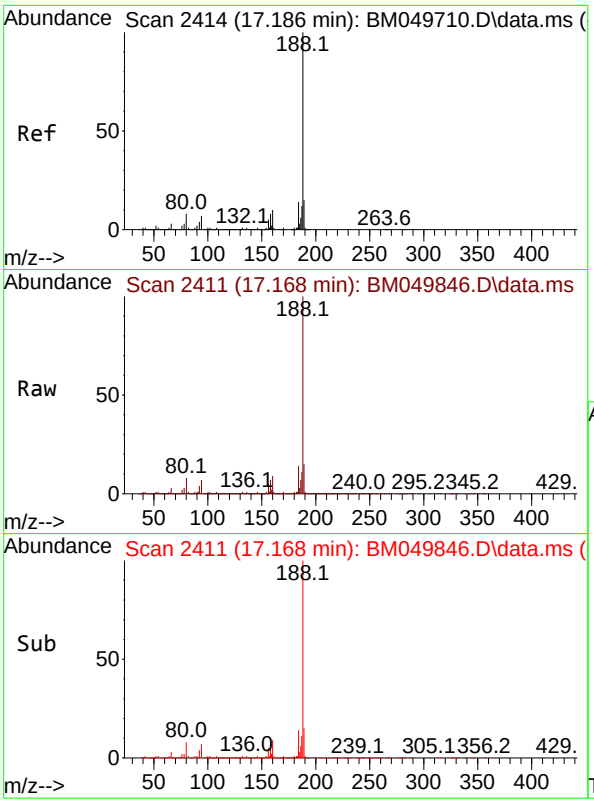


#45
2-Fluorobiphenyl
Concen: 4.672 ng
RT: 13.045 min Scan# 1710
Delta R.T. -0.024 min
Lab File: BM049846.D
Acq: 07 Apr 2025 19:18

Tgt Ion:172 Resp: 347118

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.9	41.9
170	23.5	18.6	28.0



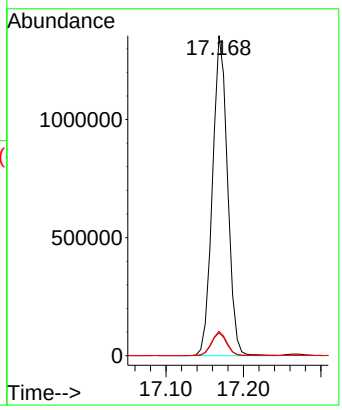


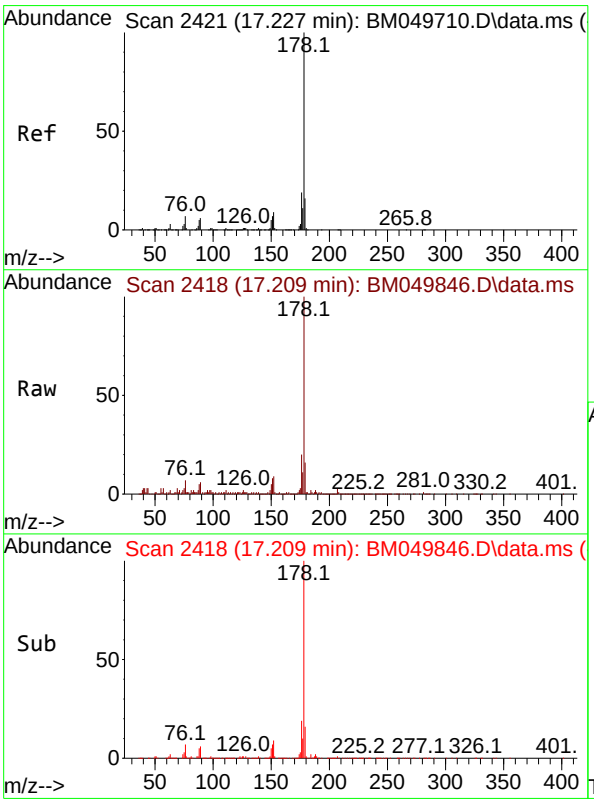
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM049846.D
Acq: 07 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
TT-8

Tgt Ion:188 Resp: 1824939

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.8	8.6
80	7.6	6.3	9.5

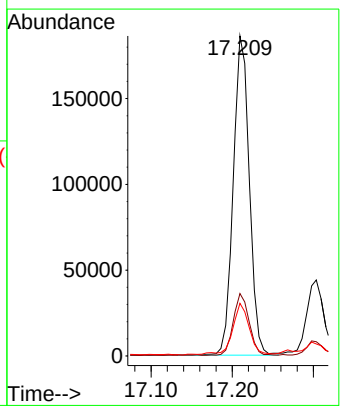


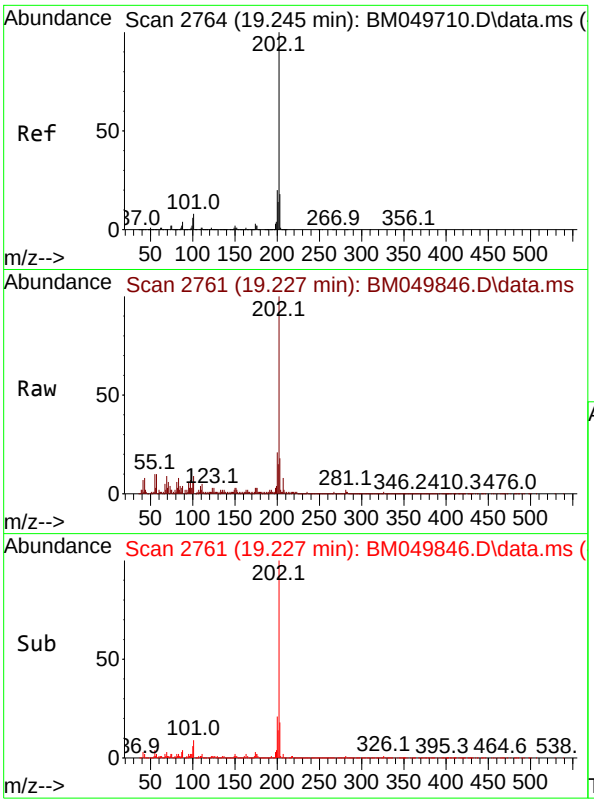


#71
Phenanthrene
Concen: 2.523 ng
RT: 17.209 min Scan# 2418
Delta R.T. -0.018 min
Lab File: BM049846.D
Acq: 07 Apr 2025 19:18

Tgt Ion:178 Resp: 255635

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	16.4	12.5	18.7



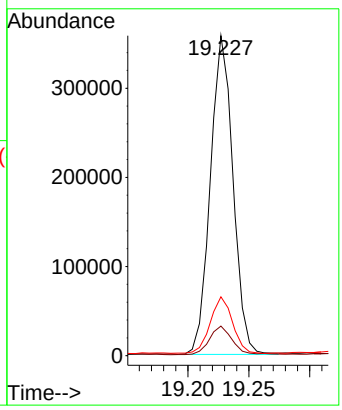


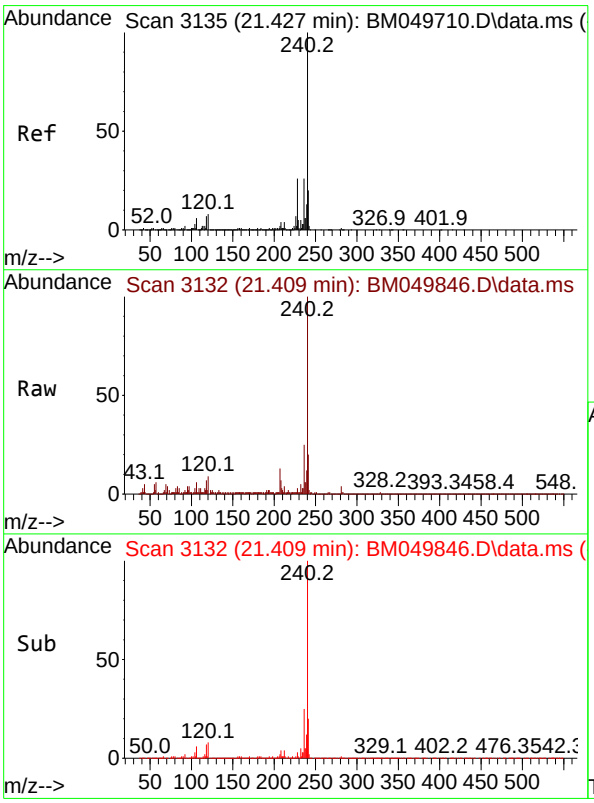
#75
Fluoranthene
Concen: 3.968 ng
RT: 19.227 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049846.D
Acq: 07 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
TT-8

Tgt Ion:202 Resp: 462963

Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	27.8
203	18.4	0.0	37.6

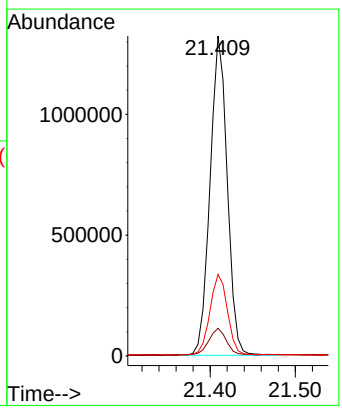


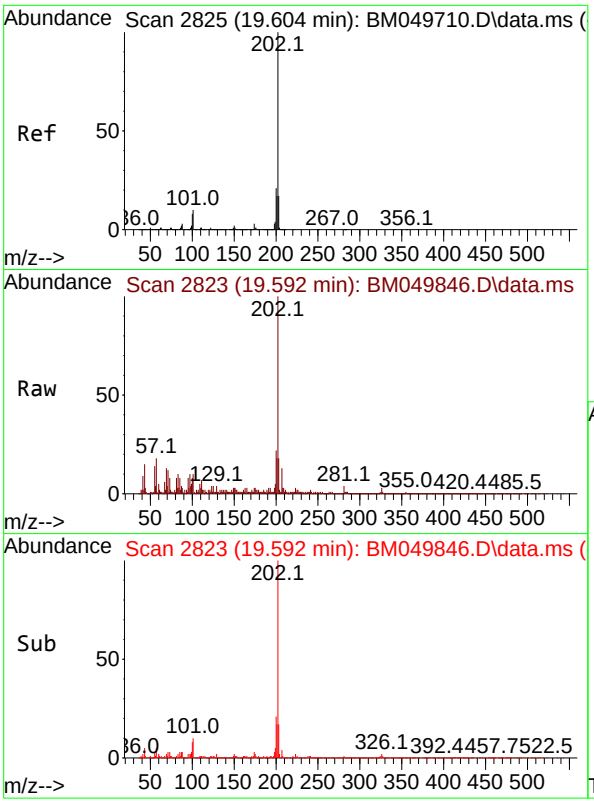


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.409 min Scan# 3132
Delta R.T. -0.018 min
Lab File: BM049846.D
Acq: 07 Apr 2025 19:18

Tgt Ion:240 Resp: 1851379

Ion	Ratio	Lower	Upper
240	100		
120	8.7	6.5	9.7
236	25.5	20.7	31.1



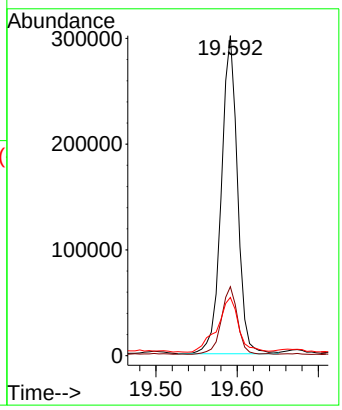


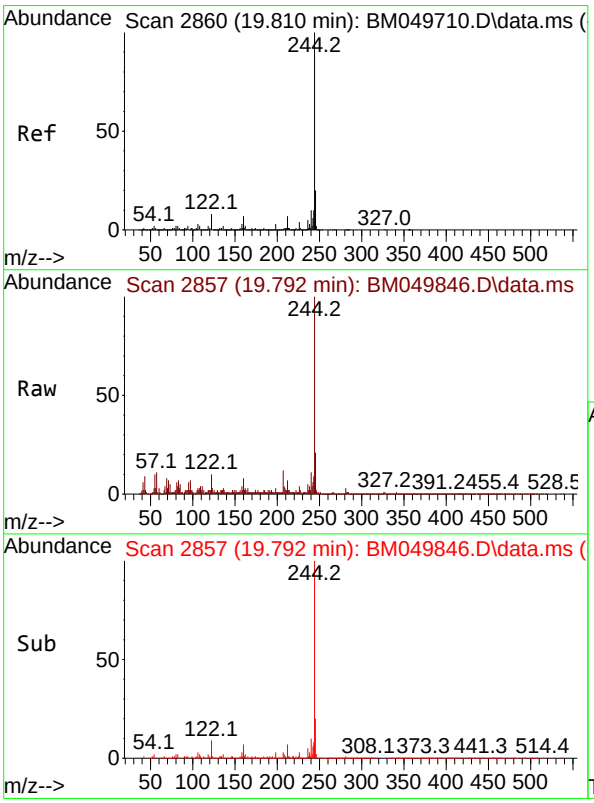
#78
Pyrene
Concen: 3.226 ng
RT: 19.592 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM049846.D
Acq: 07 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
TT-8

Tgt Ion:202 Resp: 417264

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.0	25.4
203	18.2	14.0	21.0

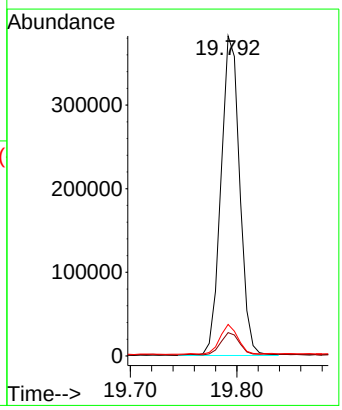


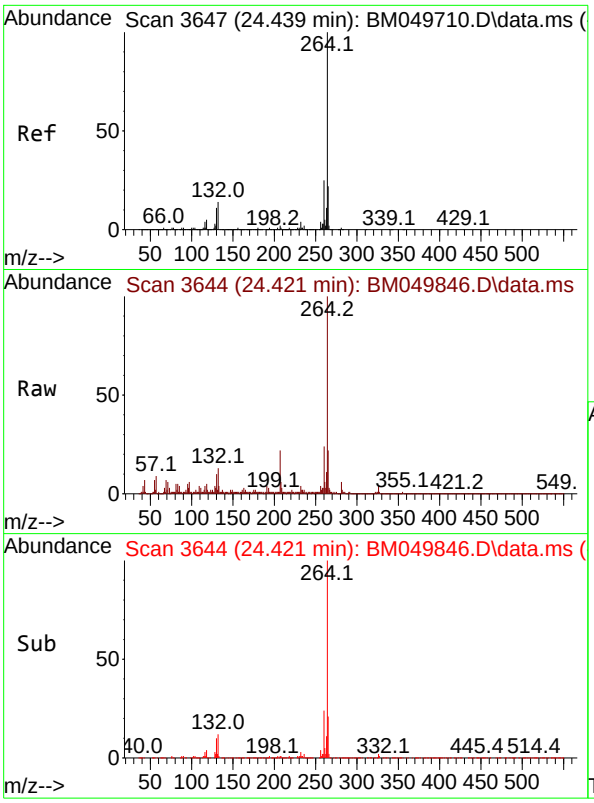


#79
Terphenyl-d14
Concen: 4.239 ng
RT: 19.792 min Scan# 2857
Delta R.T. -0.018 min
Lab File: BM049846.D
Acq: 07 Apr 2025 19:18

Tgt Ion:244 Resp: 465669

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	9.8	6.0	9.0#



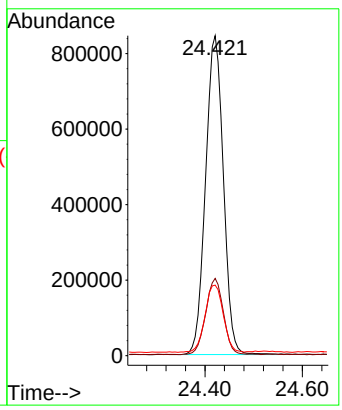


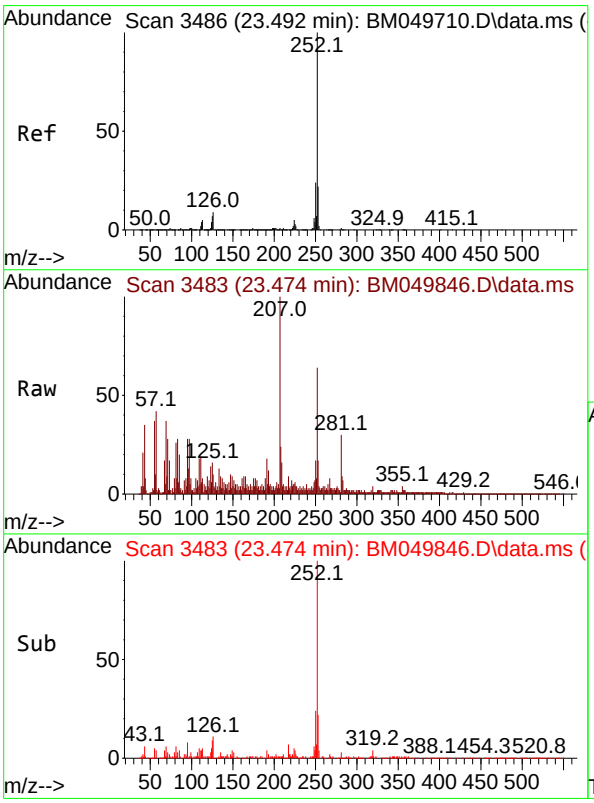
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.421 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM049846.D
Acq: 07 Apr 2025 19:18

Instrument :
BNA_M
ClientSampleId :
TT-8

Tgt Ion:264 Resp: 2142266

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	22.1	18.2	27.2





#88
Benzo(b)fluoranthene
Concen: 2.171 ng
RT: 23.474 min Scan# 3483
Delta R.T. -0.018 min
Lab File: BM049846.D
Acq: 07 Apr 2025 19:18

Tgt Ion:252 Resp: 313195

Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.4	26.0#
125	25.4	5.9	8.9#