Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050133.D
Acq On : 07 May 2025 13:12
Operator : RC/JU
Sample : Q1938-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

Quant Time: May 07 14:30:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.739	152	293247	20.000	ng		-0.03
21) Naphthalene-d8	10.539	136	1112568	20.000	ng		-0.02
39) Acenaphthene-d10	14.392	164	760329	20.000	ng		-0.02
64) Phenanthrene-d10	17.139	188	1513291	20.000	ng		-0.02
76) Chrysene-d12	21.386	240	1348104	20.000	ng		-0.01
86) Perylene-d12	24.379	264	1495076	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.340	112	1248041	74.525	ng		-0.02
7) Phenol-d6	6.934	99	1676447	79.647	ng		-0.02
23) Nitrobenzene-d5	8.904	82	997261	44.169	ng		-0.02
42) 2,4,6-Tribromophenol	15.892	330	895863	79.686	ng		-0.01
45) 2-Fluorobiphenyl	13.010	172	2787304	43.367	ng		-0.02
79) Terphenyl-d14	19.768	244	4682510	51.397	ng		-0.01
Target Compounds							Qvalue
75) Fluoranthene	19.203	202	285844	2.853	ng		98
78) Pyrene	19.568	202	270780	2.860	ng		100
88) Benzo(b)fluoranthene	23.438	252	276513	2.844	ng	#	85

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

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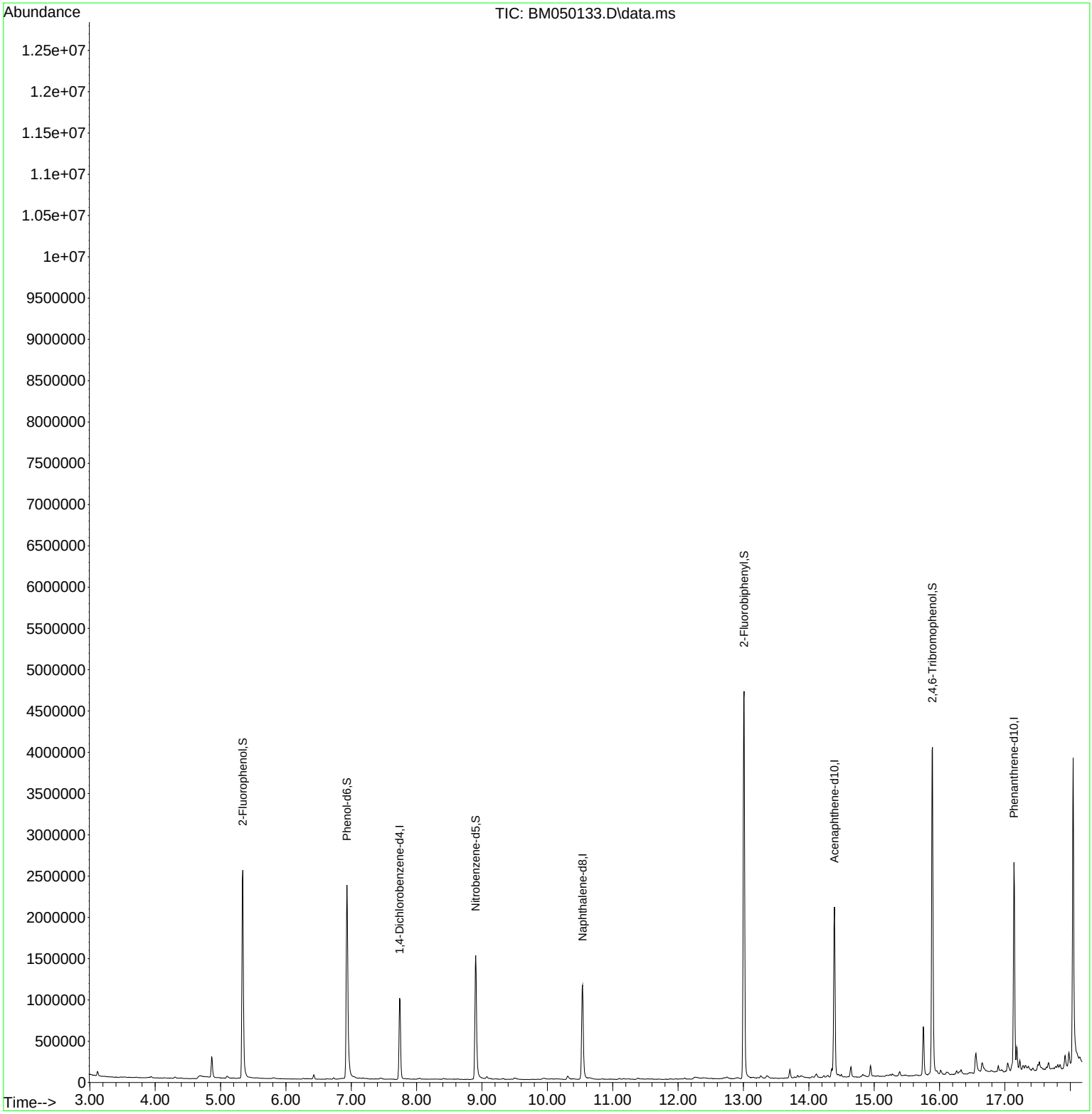

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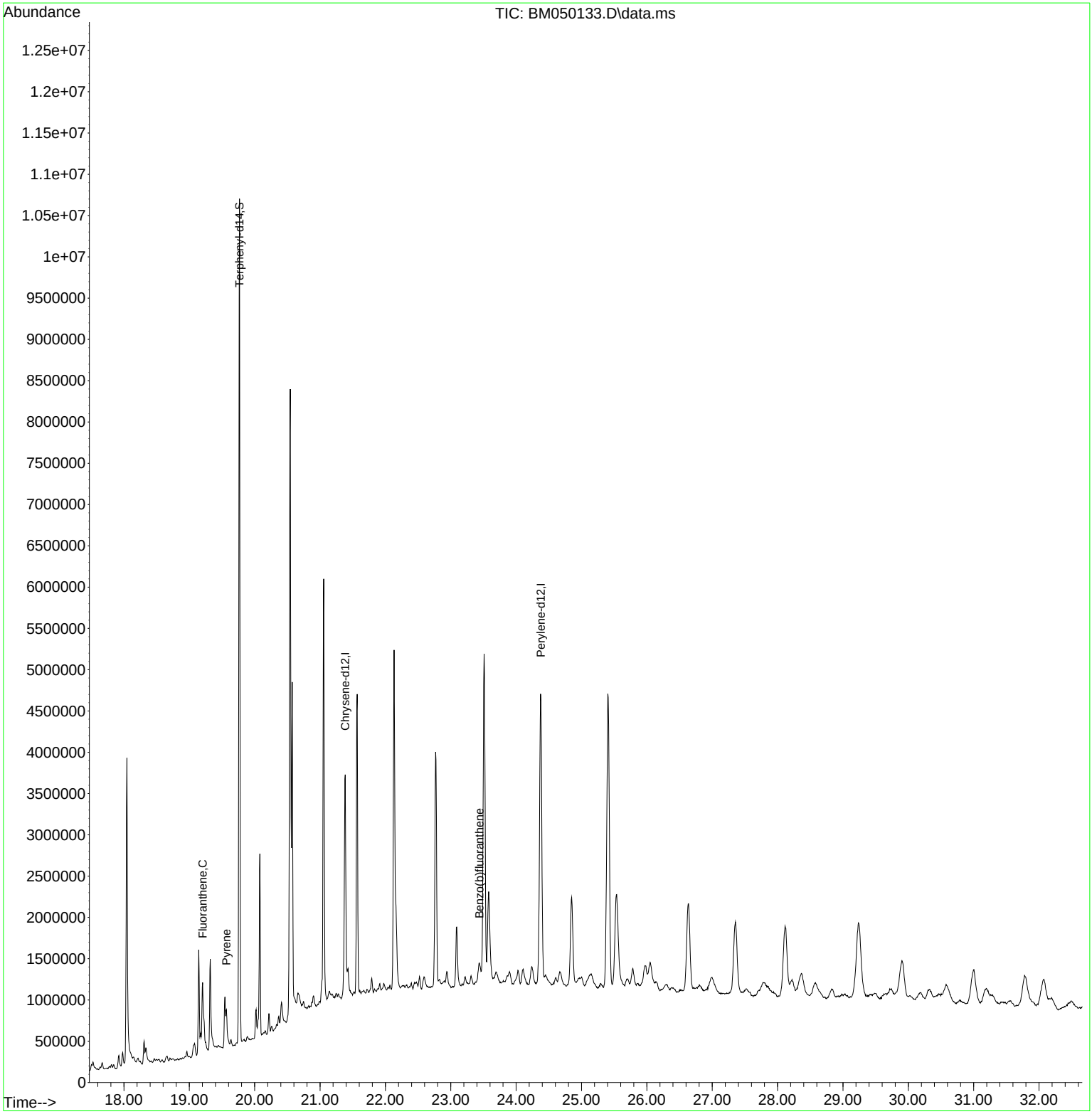
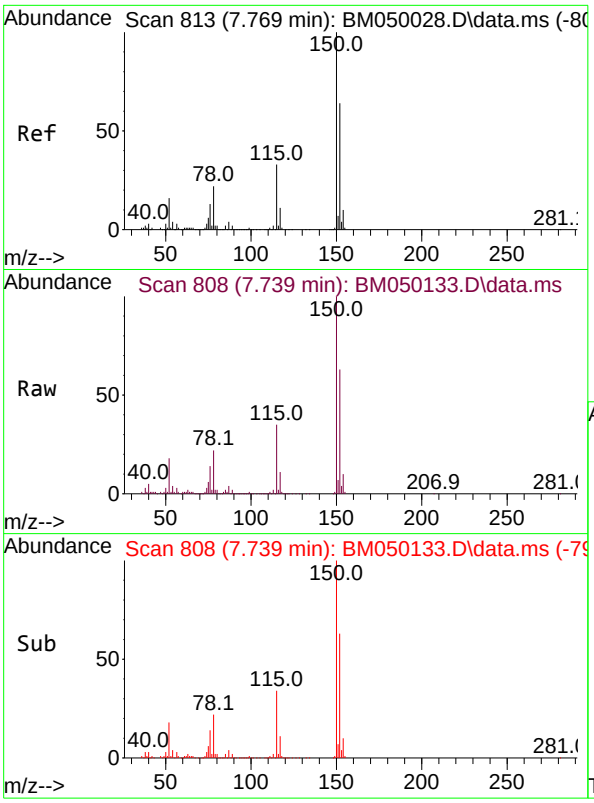


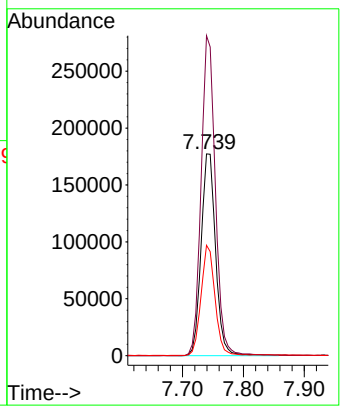


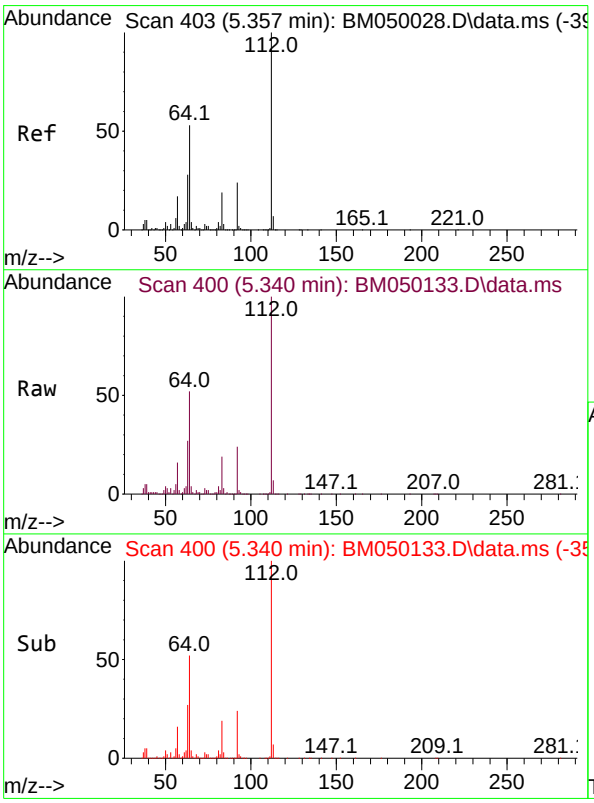
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.739 min Scan# 80
Delta R.T. -0.030 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

Tgt Ion:152 Resp: 293247

Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.1	186.1
115	54.7	41.2	61.8

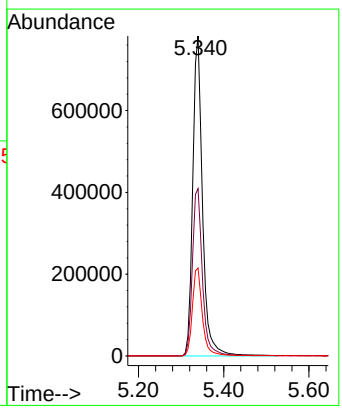


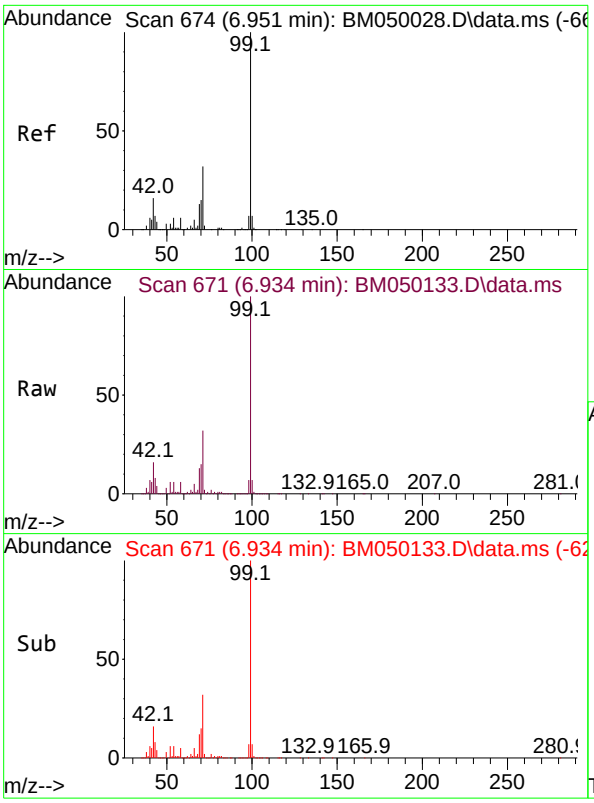


#5
2-Fluorophenol
Concen: 74.525 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

Tgt Ion:112 Resp: 1248041

Ion	Ratio	Lower	Upper
112	100		
64	52.3	42.6	64.0
63	27.5	22.2	33.4



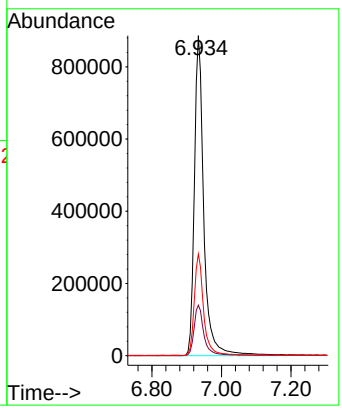


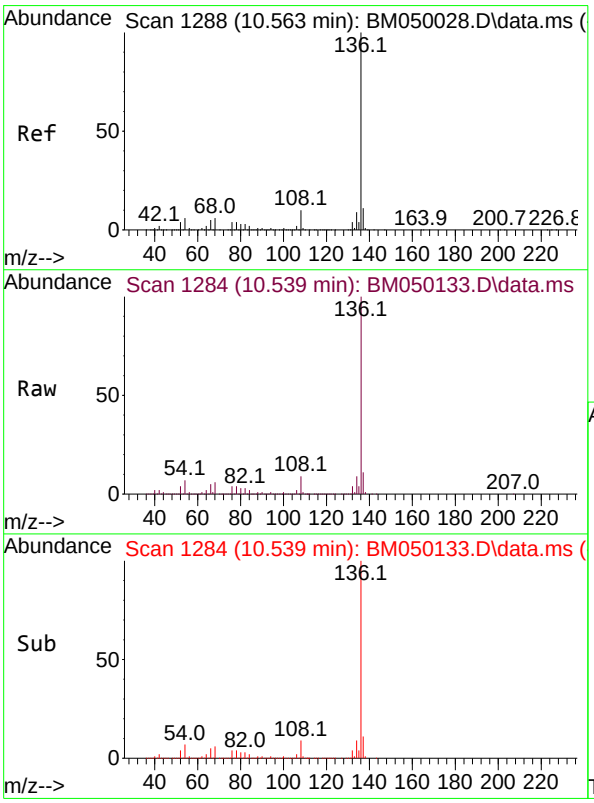
#7
Phenol-d6
Concen: 79.647 ng
RT: 6.934 min Scan# 6
Delta R.T. -0.018 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

Tgt Ion: 99 Resp: 1676447

Ion	Ratio	Lower	Upper
99	100		
42	15.8	13.0	19.4
71	31.8	25.6	38.4

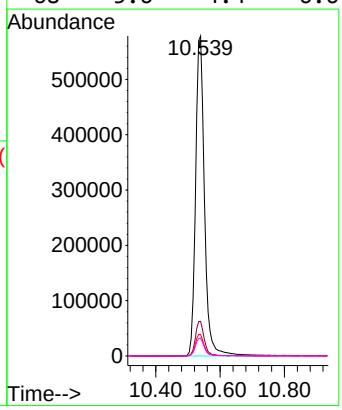


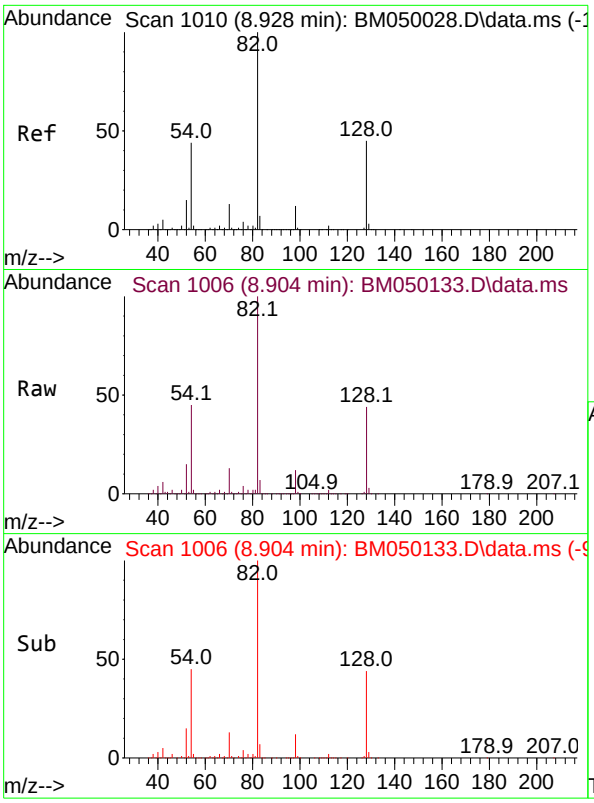


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

Tgt Ion:136 Resp: 1112568

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.7	5.1	7.7
68	5.6	4.4	6.6



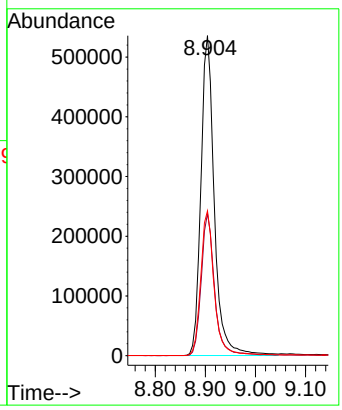


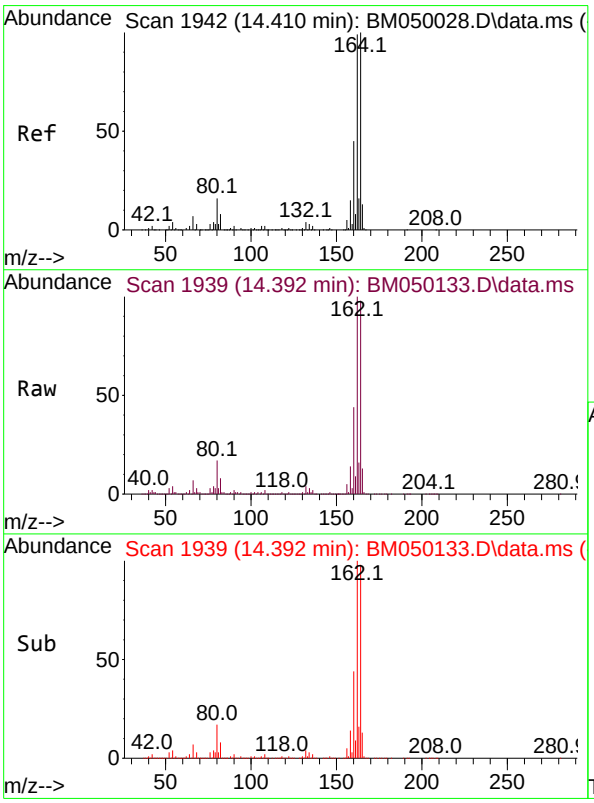
#23
Nitrobenzene-d5
Concen: 44.169 ng
RT: 8.904 min Scan# 1(
Delta R.T. -0.024 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

Tgt Ion: 82 Resp: 997261

Ion	Ratio	Lower	Upper
82	100		
128	44.5	35.7	53.5
54	45.3	35.4	53.2

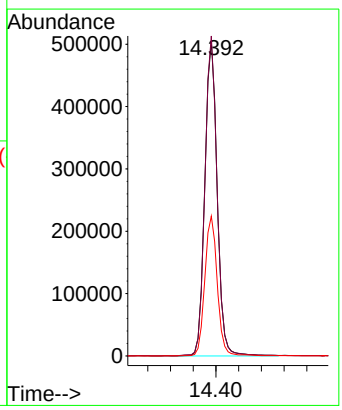


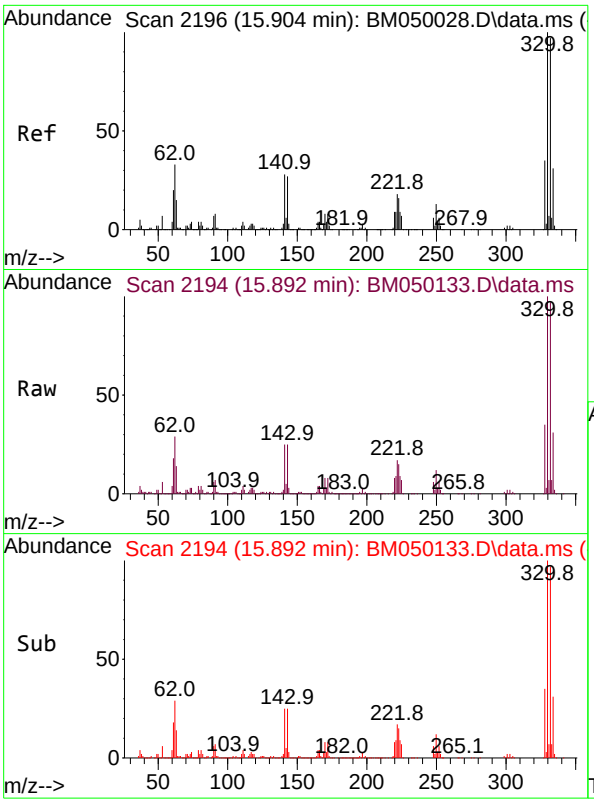


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

Tgt Ion:164 Resp: 760329

Ion	Ratio	Lower	Upper
164	100		
162	101.8	79.4	119.0
160	44.5	36.2	54.4



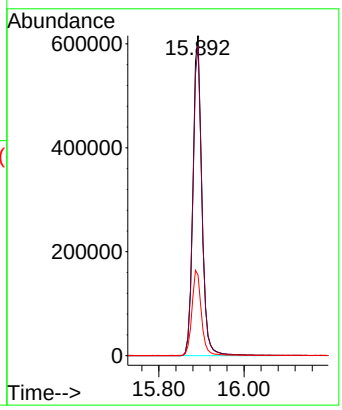


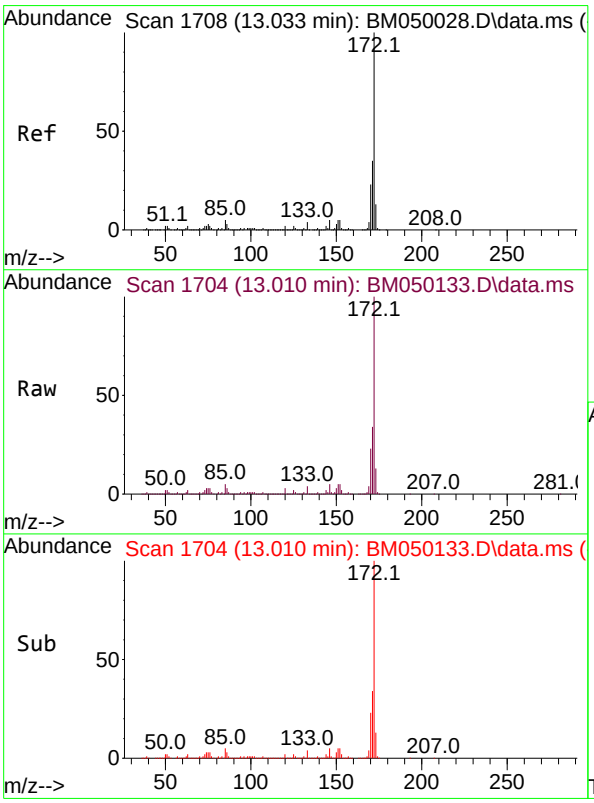
#42
2,4,6-Tribromophenol
Concen: 79.686 ng
RT: 15.892 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

Tgt Ion:330 Resp: 895863

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.3	115.9
141	28.0	22.5	33.7

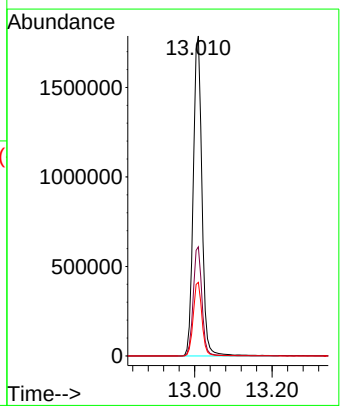


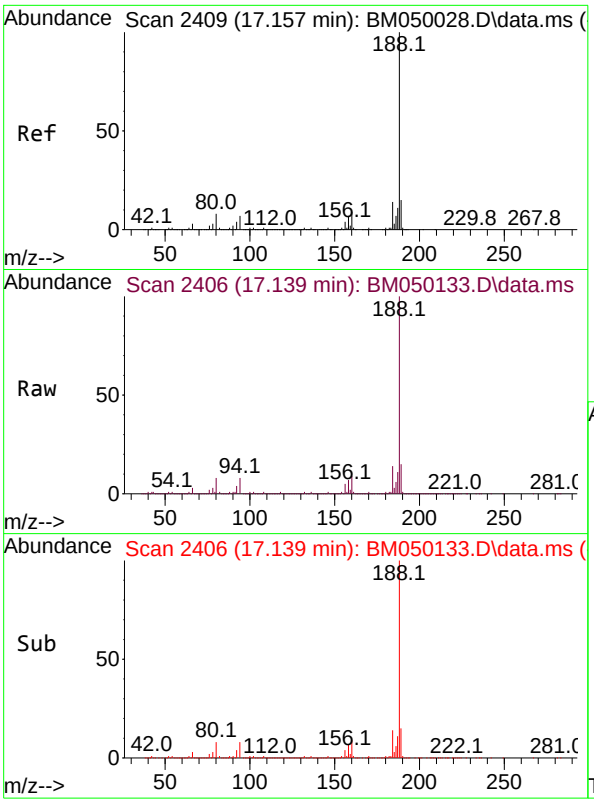


#45
2-Fluorobiphenyl
Concen: 43.367 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.024 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

Tgt Ion:172 Resp: 2787304

Ion	Ratio	Lower	Upper
172	100		
171	34.1	27.8	41.6
170	23.0	18.6	28.0



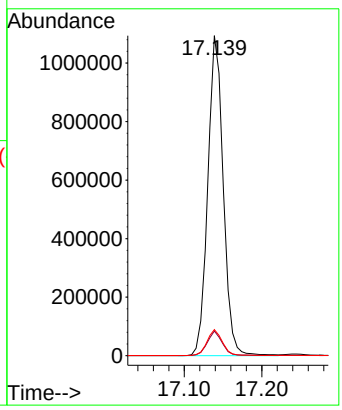


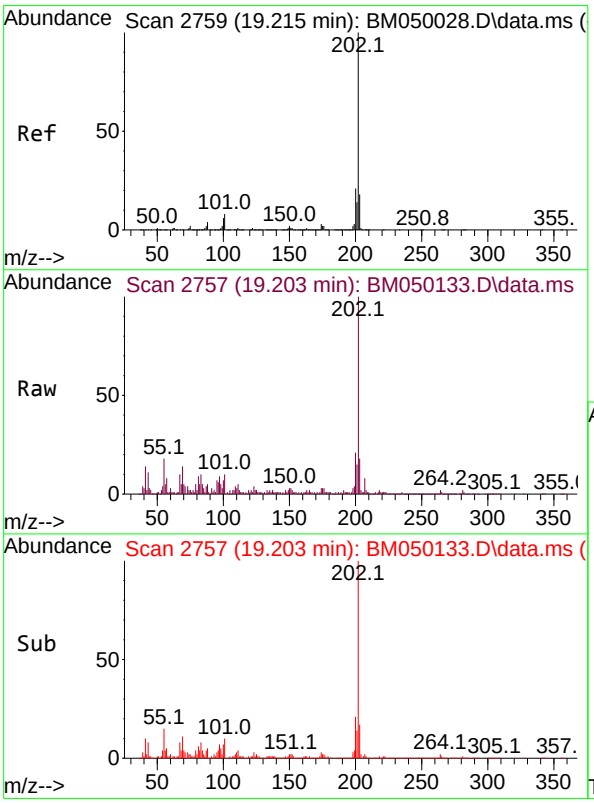
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

Tgt Ion:188 Resp: 1513291

Ion	Ratio	Lower	Upper
188	100		
94	7.7	5.7	8.5
80	8.2	6.2	9.4

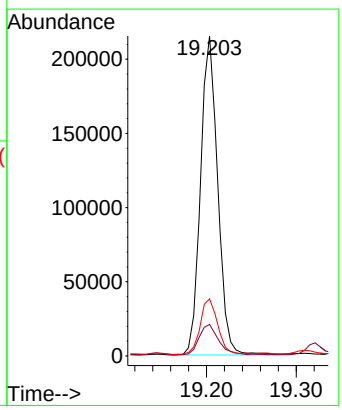


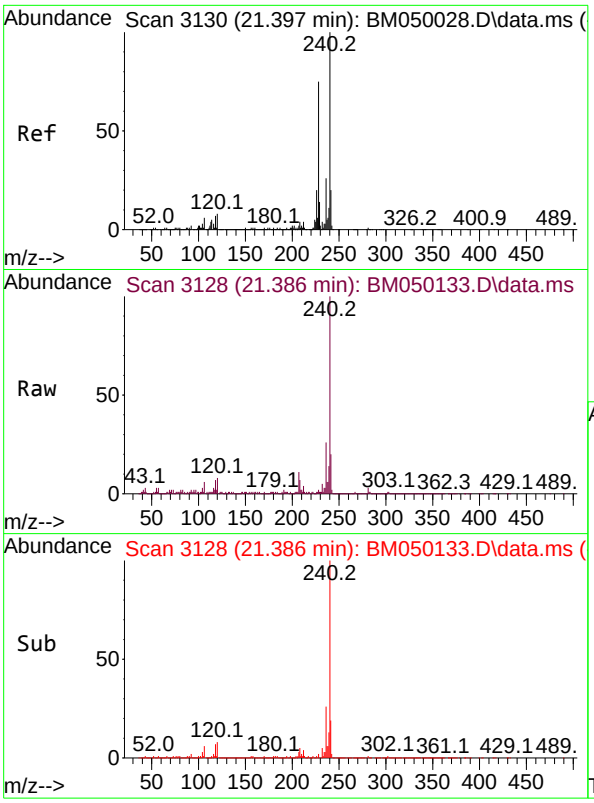


#75
Fluoranthene
Concen: 2.853 ng
RT: 19.203 min Scan# 2757
Delta R.T. -0.012 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

Tgt Ion:202 Resp: 285844

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	28.0
203	17.8	0.0	37.7



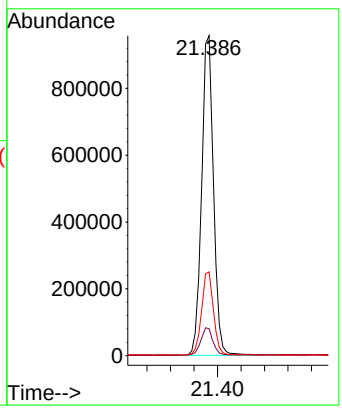


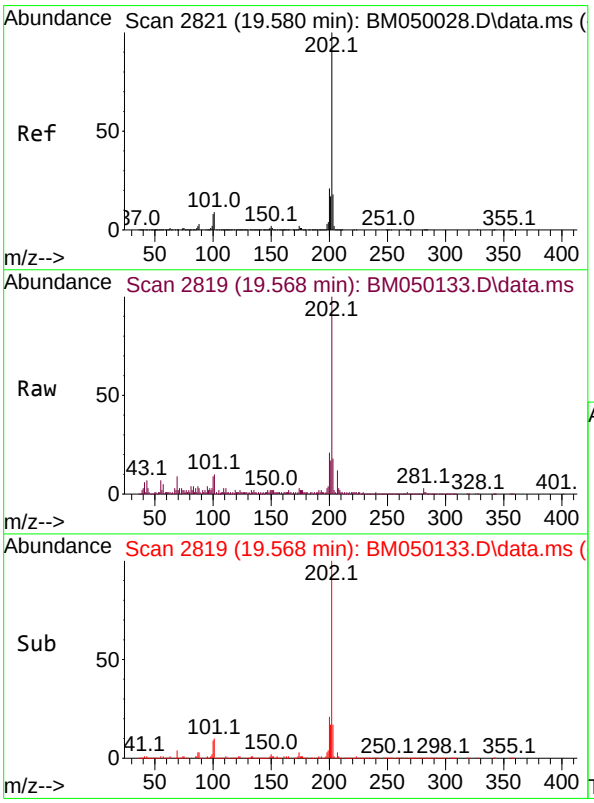
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3
Delta R.T. -0.011 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

Tgt Ion:240 Resp: 1348104

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.5	9.7
236	26.2	20.9	31.3

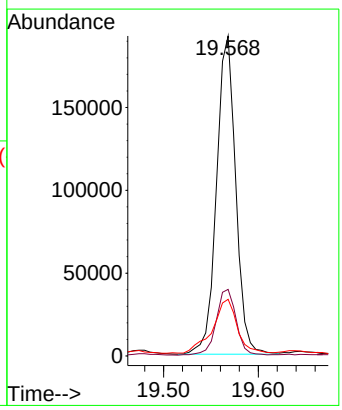


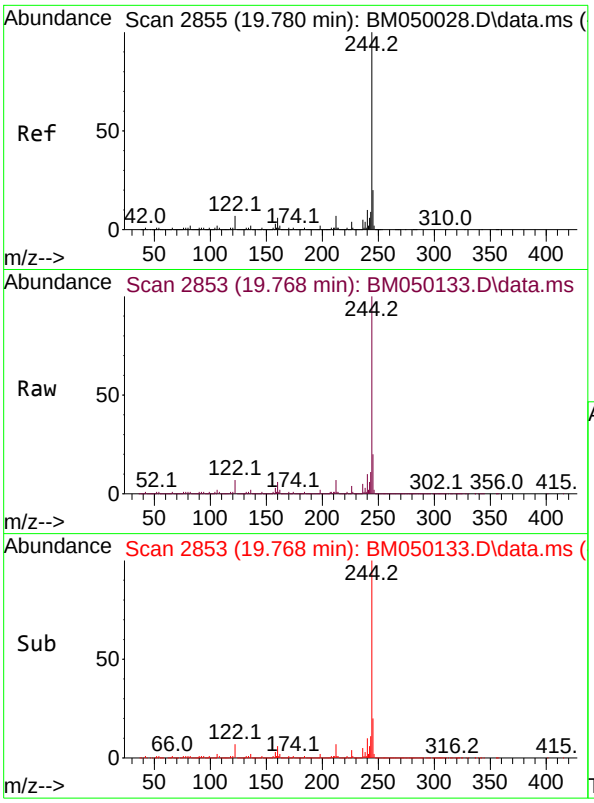


#78
Pyrene
Concen: 2.860 ng
RT: 19.568 min Scan# 2819
Delta R.T. -0.012 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

Tgt Ion:202 Resp: 270780

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.7	25.1
203	17.7	14.1	21.1



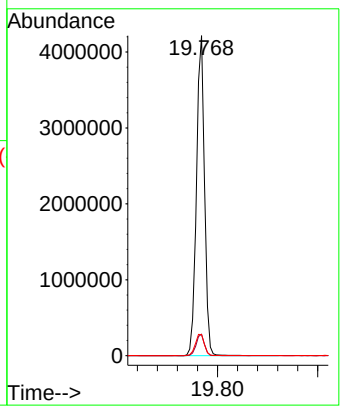


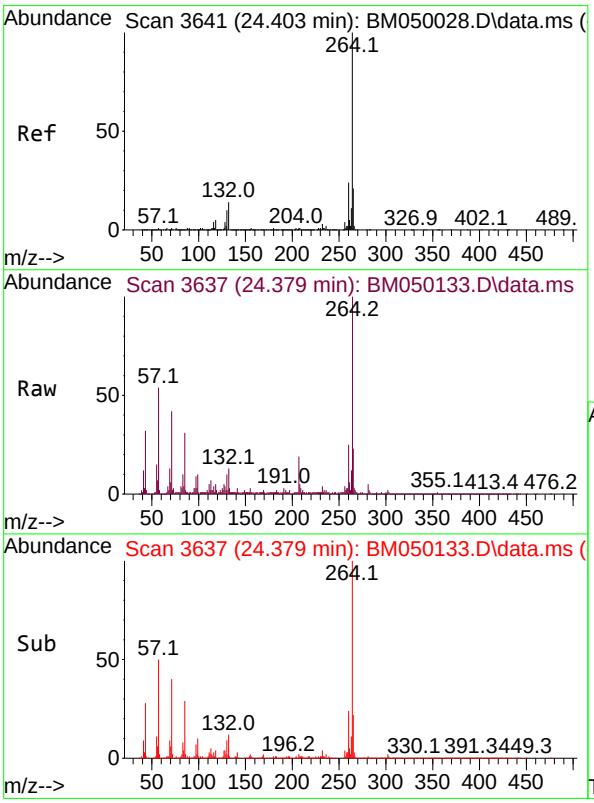
#79
Terphenyl-d14
Concen: 51.397 ng
RT: 19.768 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

Tgt Ion:244 Resp: 4682510

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	6.6	5.6	8.4

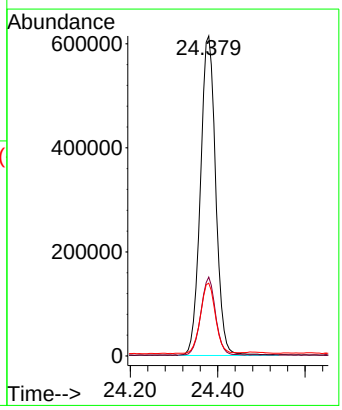


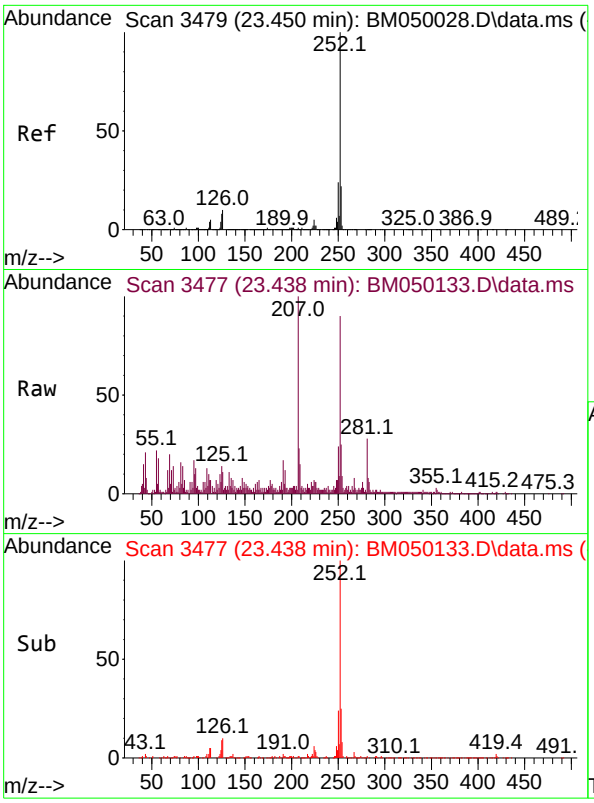


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.379 min Scan# 3637
Delta R.T. -0.024 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

Tgt Ion:264 Resp: 1495076

Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.8	28.2
265	22.8	17.0	25.4





#88
Benzo(b)fluoranthene
Concen: 2.844 ng
RT: 23.438 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

Tgt Ion:252 Resp: 276513

Ion	Ratio	Lower	Upper
252	100		
253	27.9	17.7	26.5#
125	15.3	6.1	9.1#