Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050124.D
Acq On : 06 May 2025 17:57
Operator : RC/JU
Sample : Q1938-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: May 07 02:17:37 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	7.745	152	351271	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1286843	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	849871	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1665469	20.000	ng	-0.02
76) Chrysene-d12	21.386	240	1518014	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1547673	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	290075	14.460	ng	-0.01
7) Phenol-d6	6.940	99	377652	14.978	ng	-0.01
23) Nitrobenzene-d5	8.910	82	224356	8.591	ng	-0.02
42) 2,4,6-Tribromophenol	15.898	330	177872	14.154	ng	0.00
45) 2-Fluorobiphenyl	13.010	172	644404	8.970	ng	-0.02
79) Terphenyl-d14	19.762	244	928057	9.047	ng	-0.02
Target Compounds						Qvalue

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

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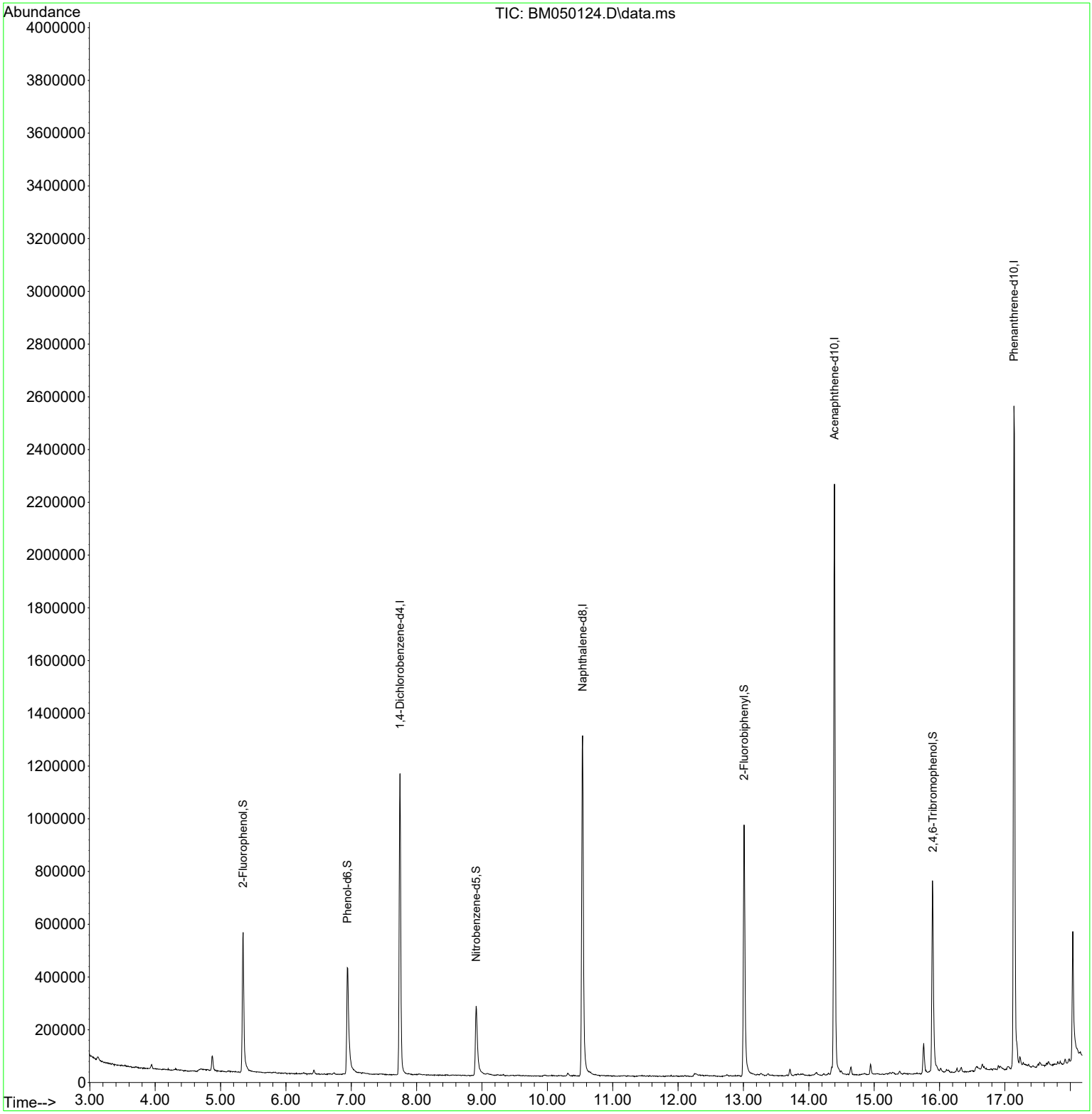

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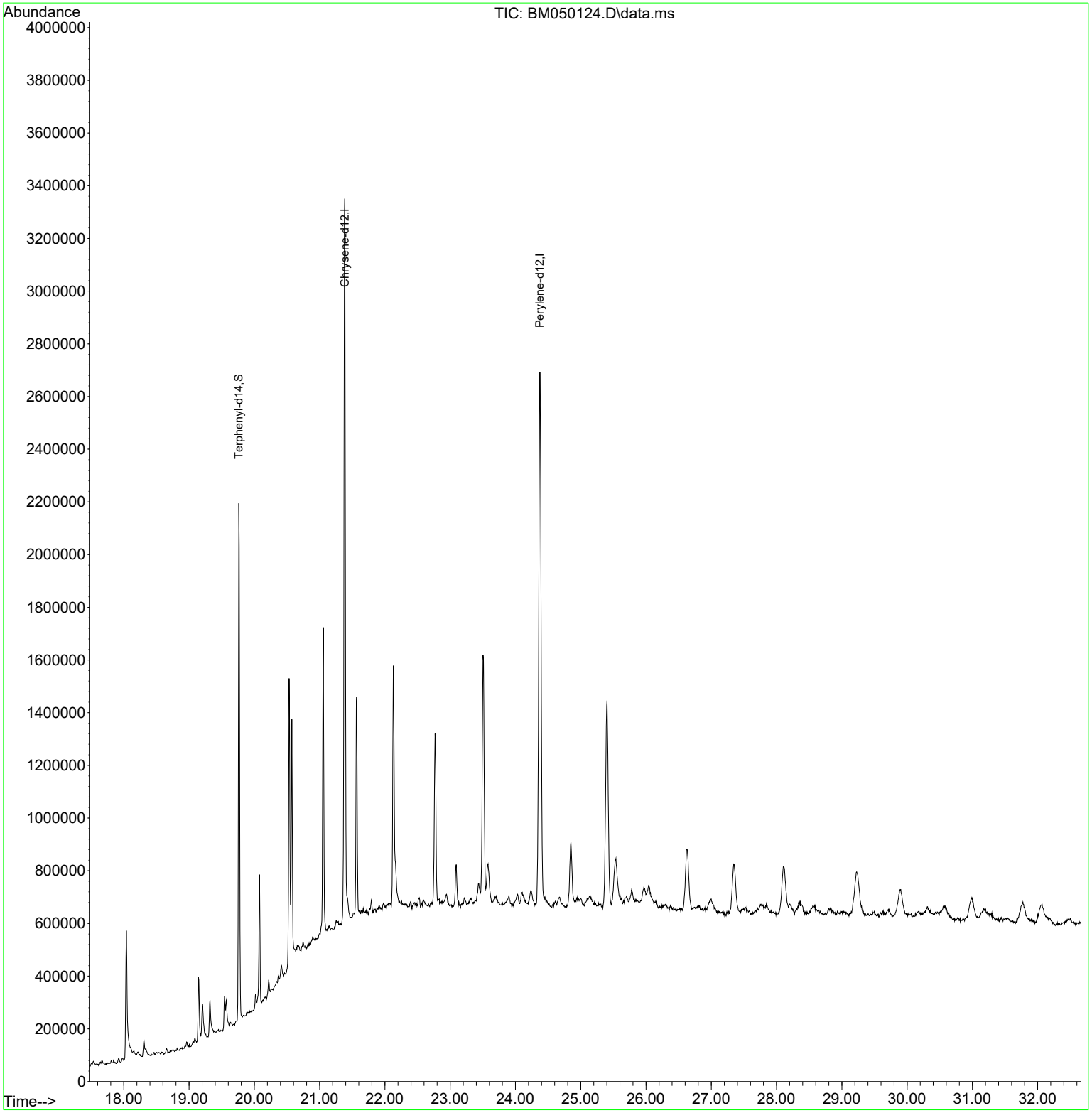
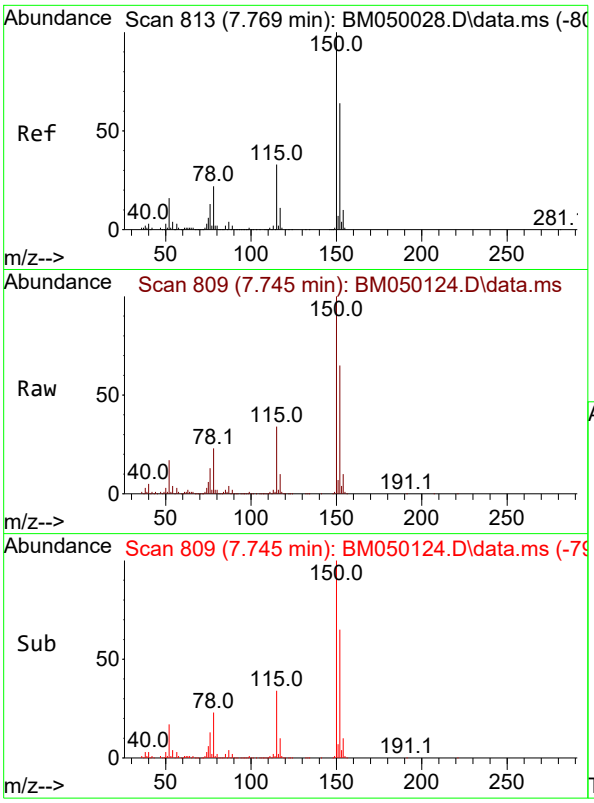


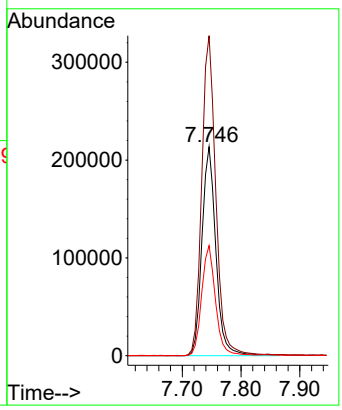


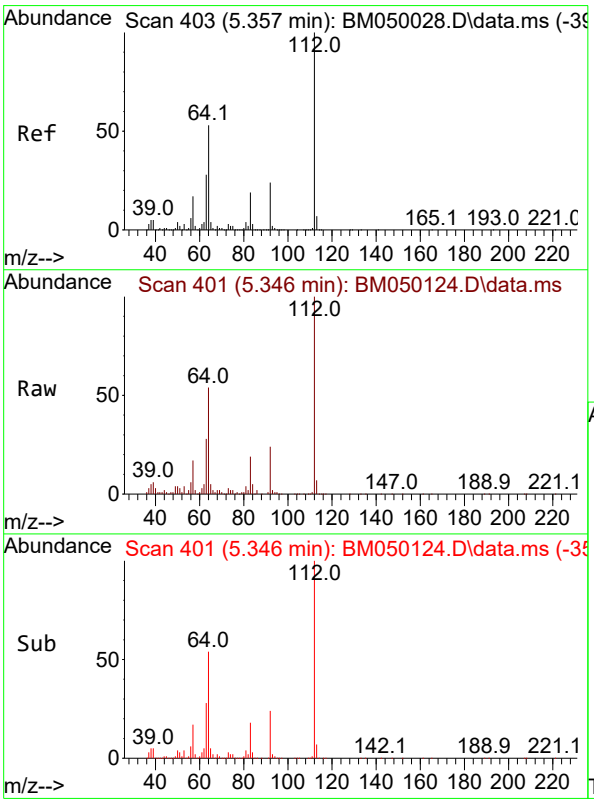
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 80
Delta R.T. -0.024 min
Lab File: BM050124.D
Acq: 06 May 2025 17:57

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

Tgt Ion:152 Resp: 351271

Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.1	186.1
115	52.7	41.2	61.8

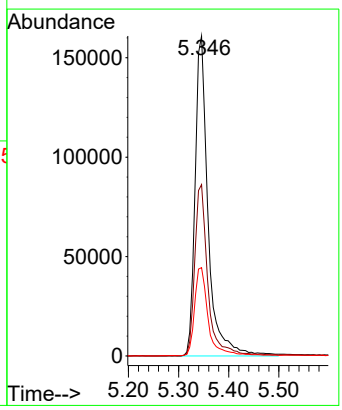


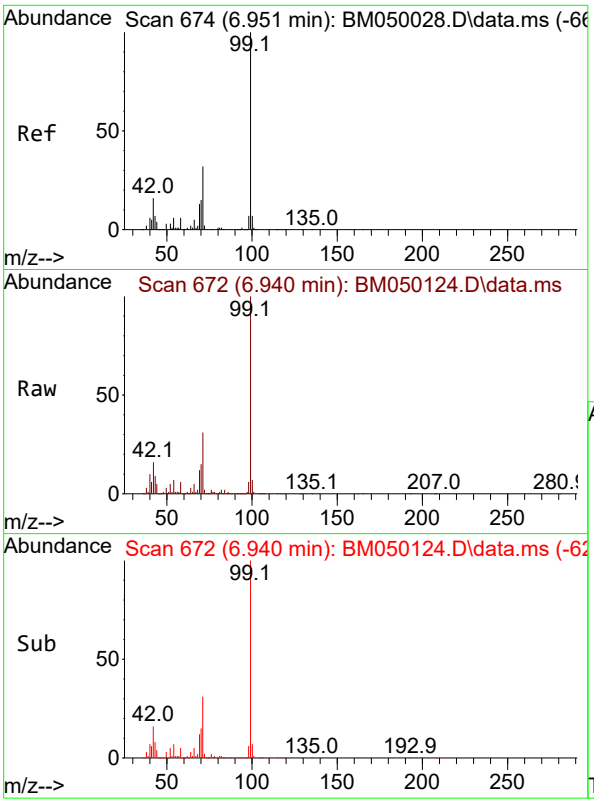


#5
2-Fluorophenol
Concen: 14.460 ng
RT: 5.346 min Scan# 401
Delta R.T. -0.012 min
Lab File: BM050124.D
Acq: 06 May 2025 17:57

Tgt Ion:112 Resp: 290075

Ion	Ratio	Lower	Upper
112	100		
64	53.5	42.6	64.0
63	27.6	22.2	33.4



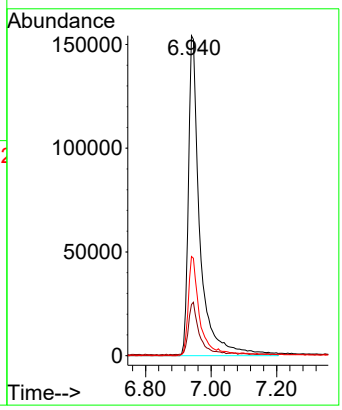


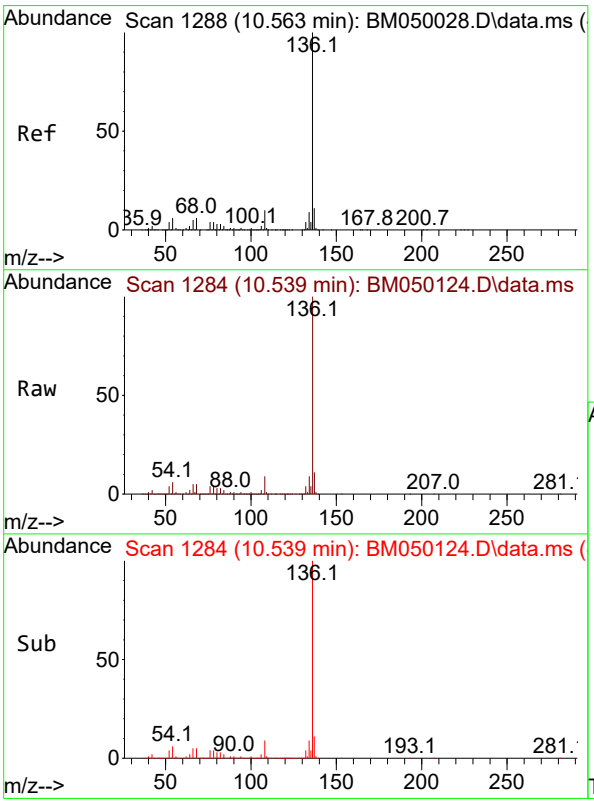
#7
Phenol-d6
Concen: 14.978 ng
RT: 6.940 min Scan# 6
Delta R.T. -0.012 min
Lab File: BM050124.D
Acq: 06 May 2025 17:57

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

Tgt Ion: 99 Resp: 377652

Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.0	19.4
71	31.0	25.6	38.4

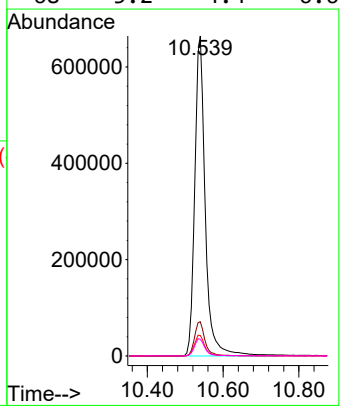


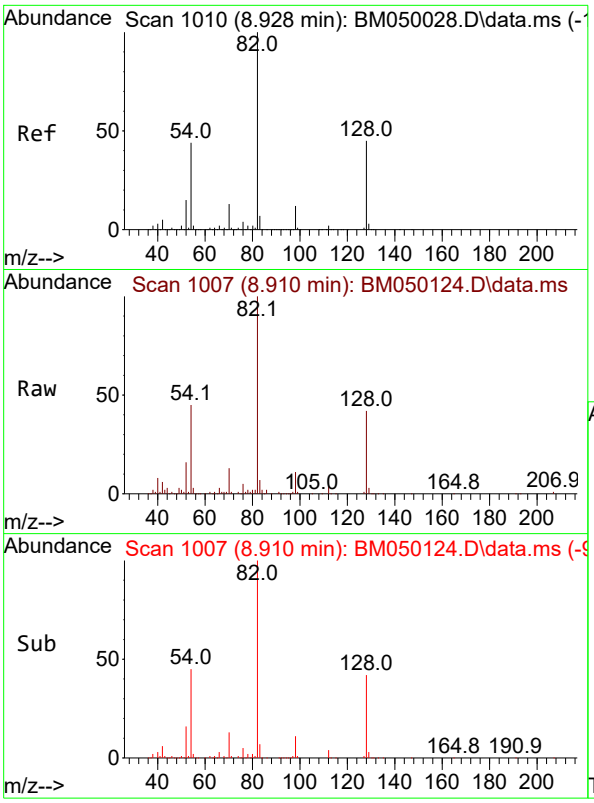


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.023 min
Lab File: BM050124.D
Acq: 06 May 2025 17:57

Tgt Ion:136 Resp: 1286843

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.4	5.1	7.7
68	5.2	4.4	6.6



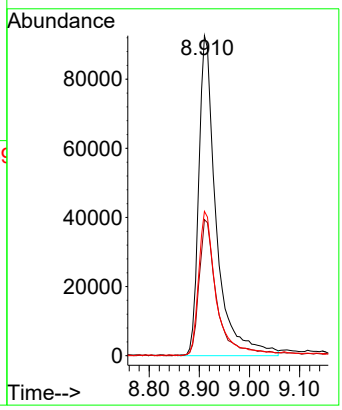


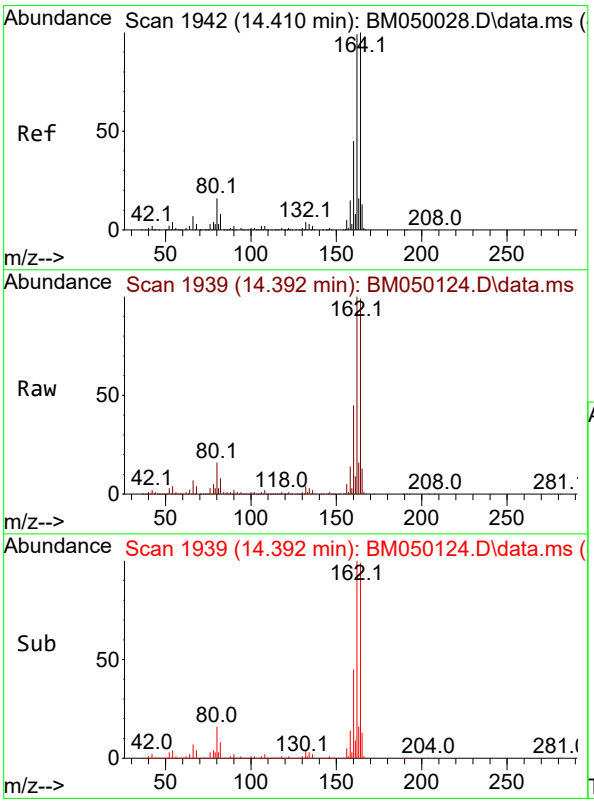
#23
Nitrobenzene-d5
Concen: 8.591 ng
RT: 8.910 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050124.D
Acq: 06 May 2025 17:57

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

Tgt Ion: 82 Resp: 224356

Ion	Ratio	Lower	Upper
82	100		
128	42.5	35.7	53.5
54	45.1	35.4	53.2

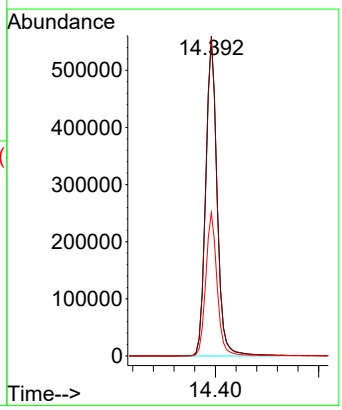


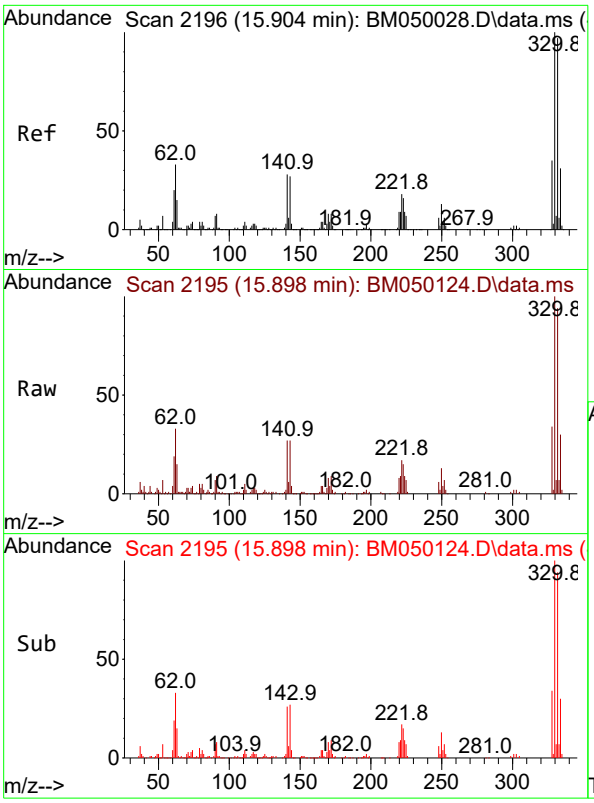


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050124.D
Acq: 06 May 2025 17:57

Tgt Ion:164 Resp: 849871

Ion	Ratio	Lower	Upper
164	100		
162	101.2	79.4	119.0
160	45.3	36.2	54.4



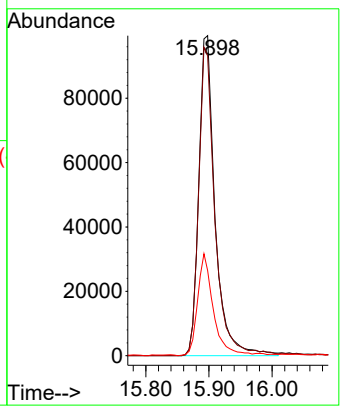


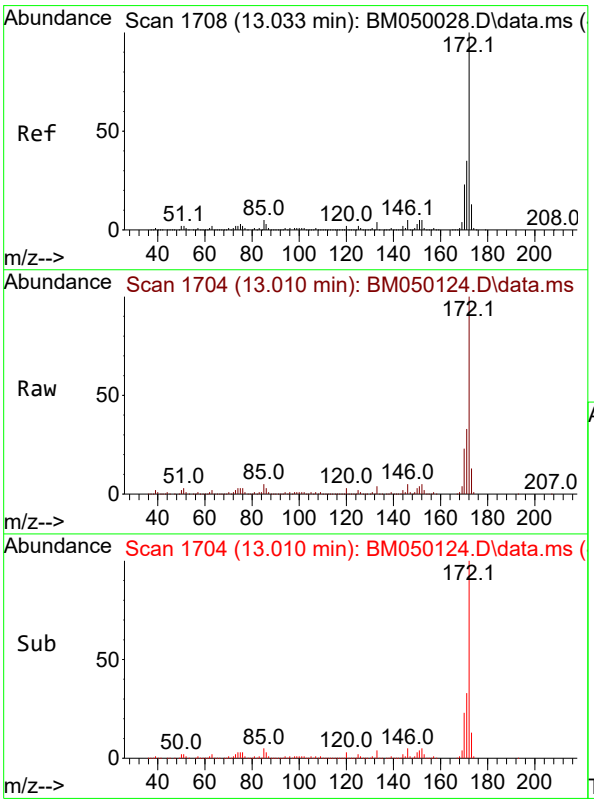
#42
2,4,6-Tribromophenol
Concen: 14.154 ng
RT: 15.898 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050124.D
Acq: 06 May 2025 17:57

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

Tgt Ion:330 Resp: 177872

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.3	115.9
141	30.7	22.5	33.7

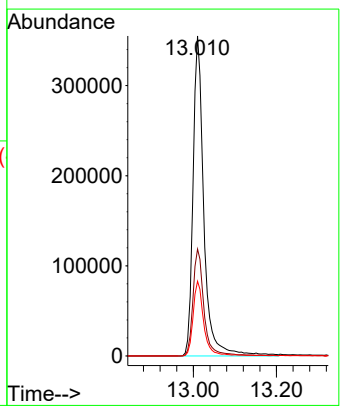


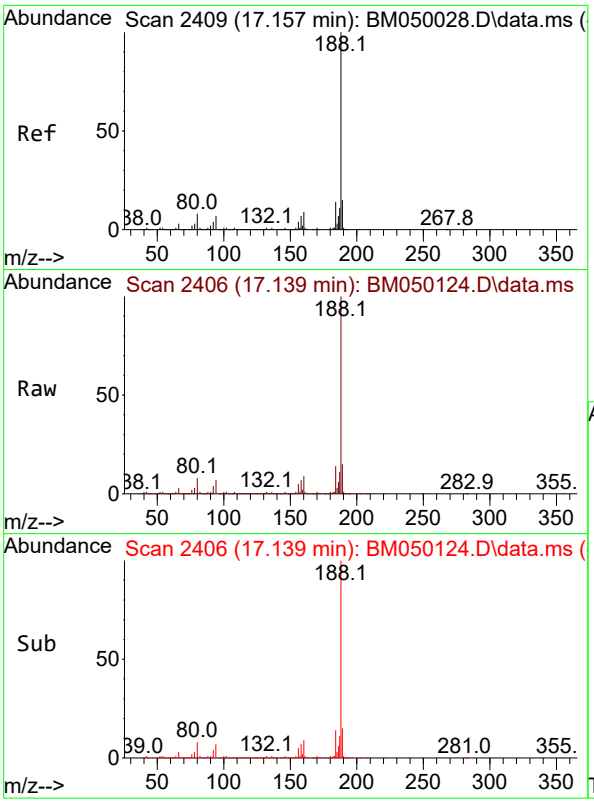


#45
2-Fluorobiphenyl
Concen: 8.970 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.023 min
Lab File: BM050124.D
Acq: 06 May 2025 17:57

Tgt Ion:172 Resp: 644404

Ion	Ratio	Lower	Upper
172	100		
171	33.4	27.8	41.6
170	23.3	18.6	28.0



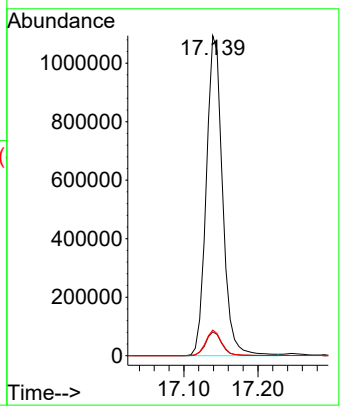


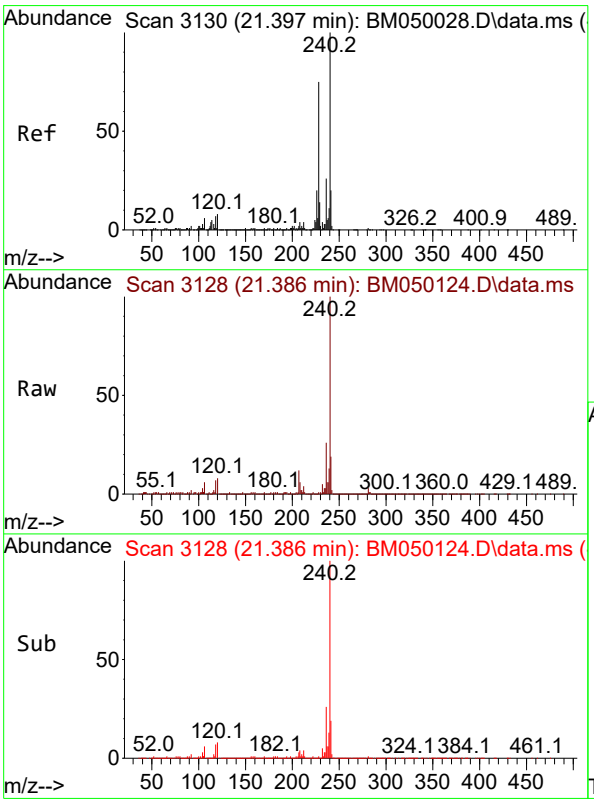
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM050124.D
Acq: 06 May 2025 17:57

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

Tgt Ion:188 Resp: 1665469

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.7	8.5
80	8.0	6.2	9.4

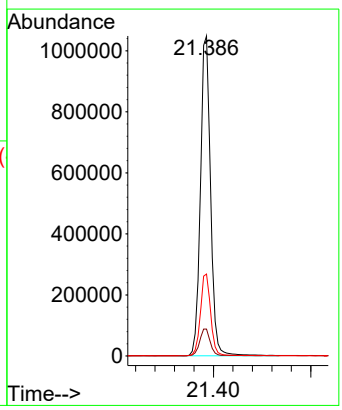


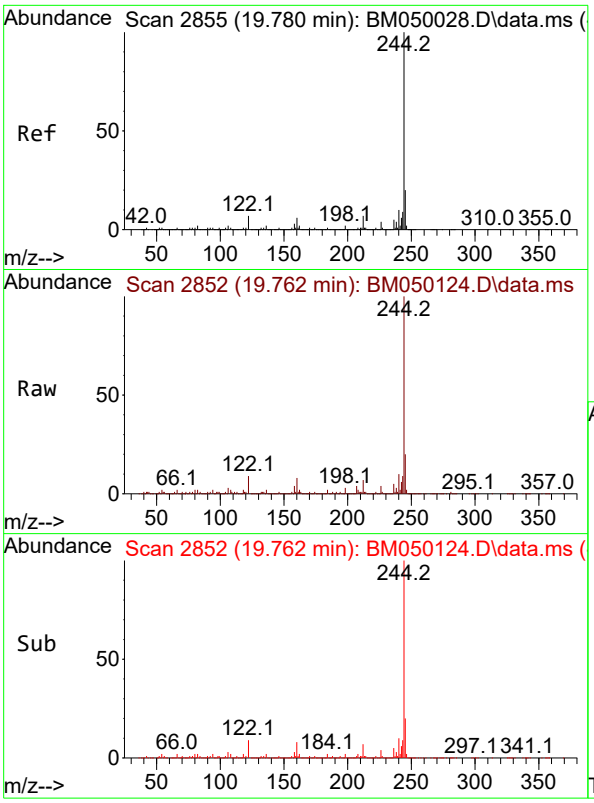


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.011 min
Lab File: BM050124.D
Acq: 06 May 2025 17:57

Tgt Ion:240 Resp: 1518014

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.5	9.7
236	25.6	20.9	31.3



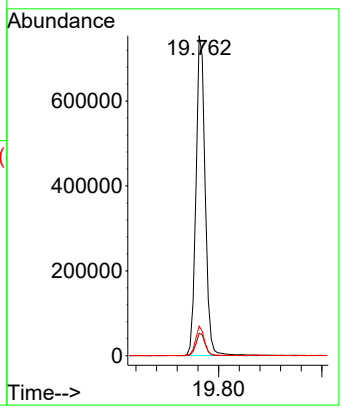


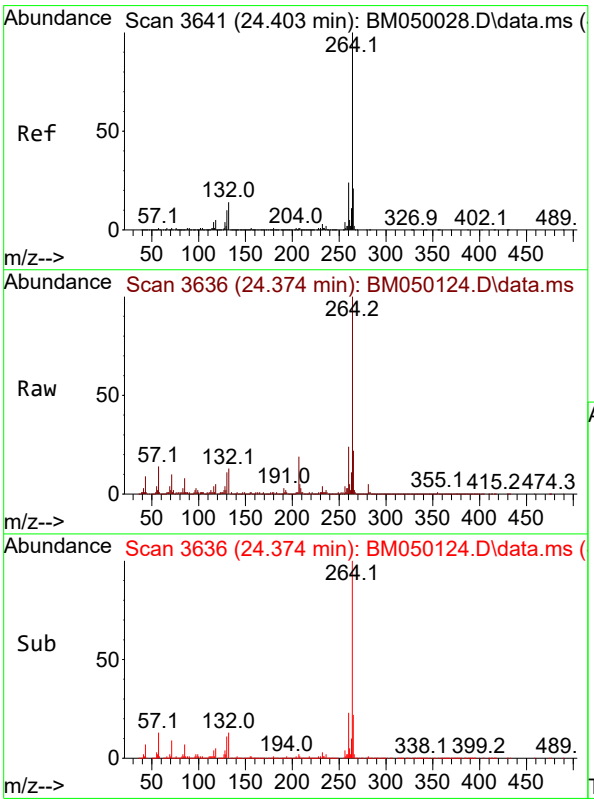
#79
Terphenyl-d14
Concen: 9.047 ng
RT: 19.762 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM050124.D
Acq: 06 May 2025 17:57

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

Tgt Ion:244 Resp: 928057

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	9.3	5.6	8.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 3636
Delta R.T. -0.029 min
Lab File: BM050124.D
Acq: 06 May 2025 17:57

Tgt Ion:264 Resp: 1547673

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	22.4	17.0	25.4