Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049864.D
Acq On : 09 Apr 2025 12:29
Operator : RC/JU
Sample : Q1744-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-158-SB01

Quant Time: Apr 09 13:05:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.775	152	270450	20.000	ng		0.00
21) Naphthalene-d8	10.569	136	926727	20.000	ng		0.00
39) Acenaphthene-d10	14.416	164	601767	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1216375	20.000	ng		0.00
76) Chrysene-d12	21.398	240	1277210	20.000	ng		0.00
86) Perylene-d12	24.391	264	1378204	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	2159201	135.570	ng		0.00
7) Phenol-d6	6.951	99	2699671	136.237	ng		0.00
23) Nitrobenzene-d5	8.934	82	1587724	95.403	ng		0.00
42) 2,4,6-Tribromophenol	15.904	330	1347067	153.899	ng		0.00
45) 2-Fluorobiphenyl	13.039	172	4184517	94.293	ng		0.00
79) Terphenyl-d14	19.786	244	7257247	106.486	ng		0.00
Target Compounds							Qvalue
81) Benzo(a)anthracene	21.380	228	187777	2.212	ng		99
83) Chrysene	21.439	228	343227	4.253	ng		99
88) Benzo(b)fluoranthene	23.444	252	385800	4.383	ng		99
89) Benzo(k)fluoranthene	23.503	252	369571	4.333	ng	#	96

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

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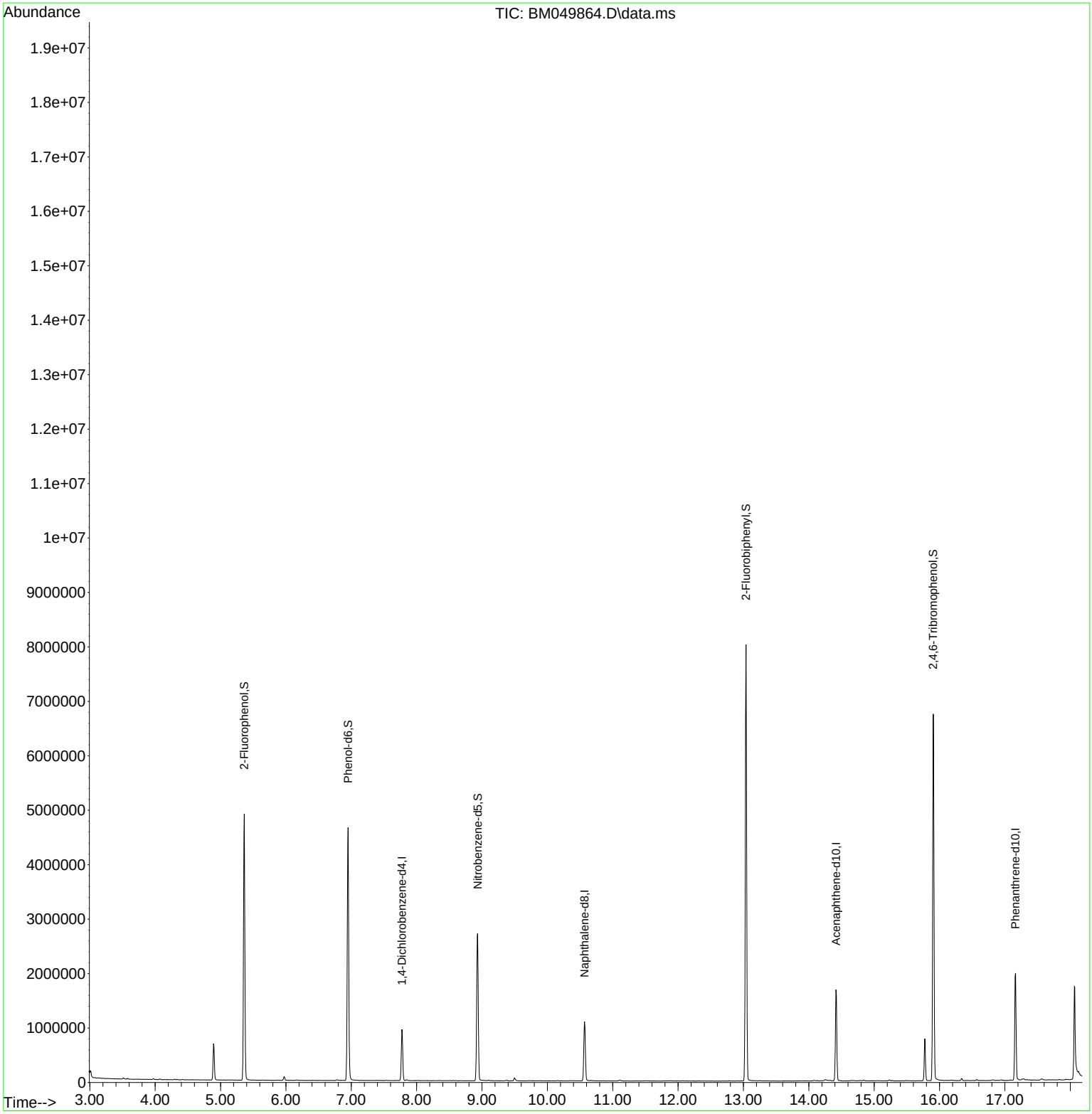

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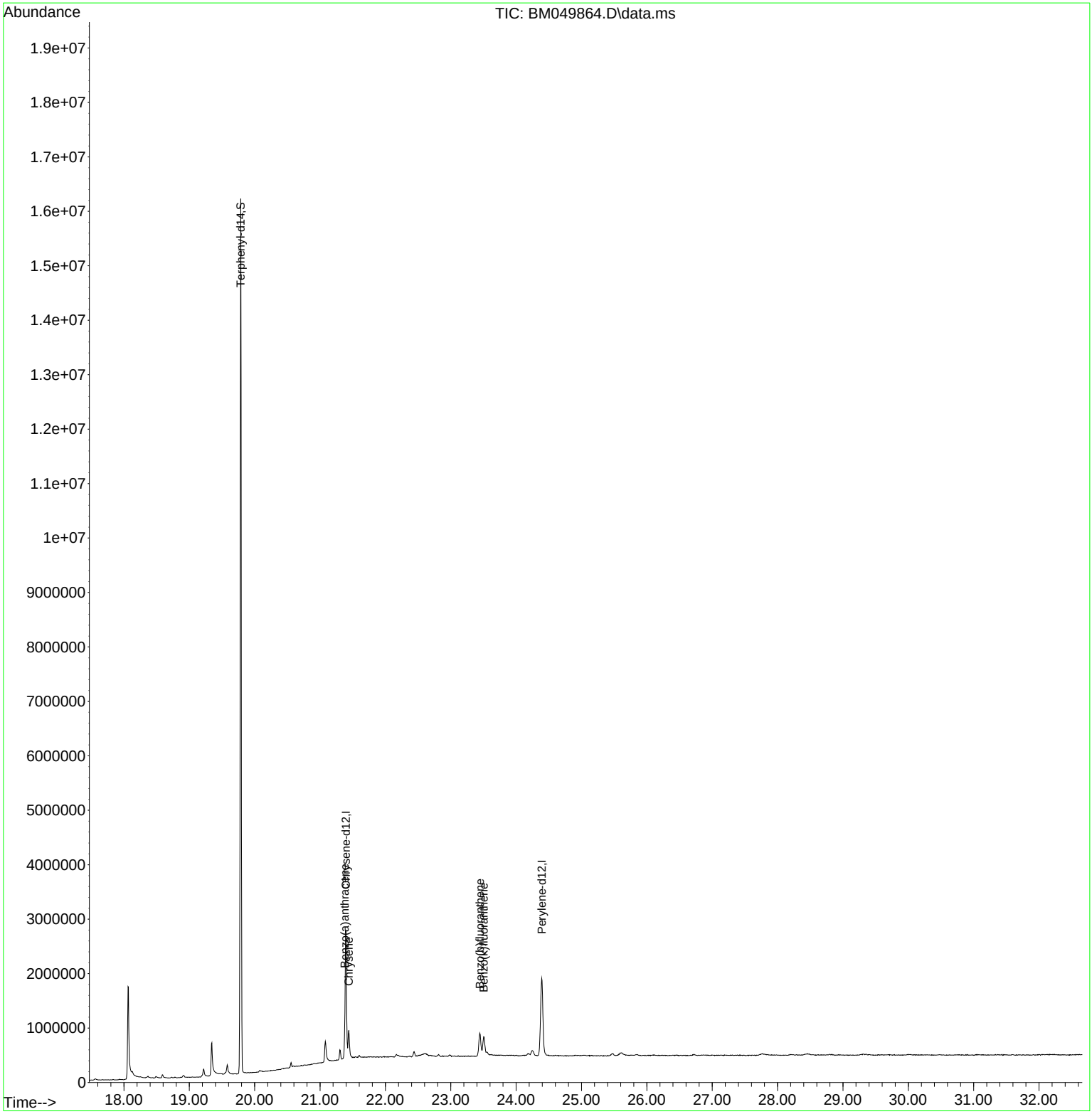
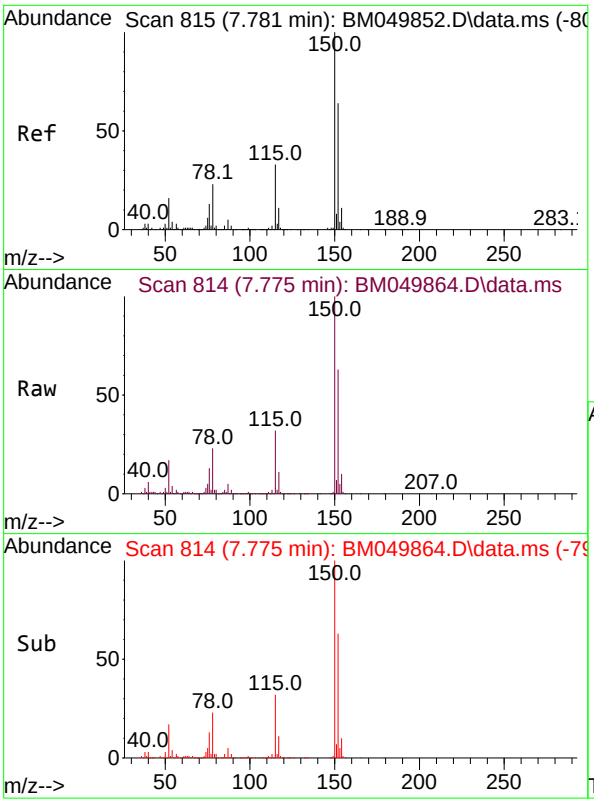


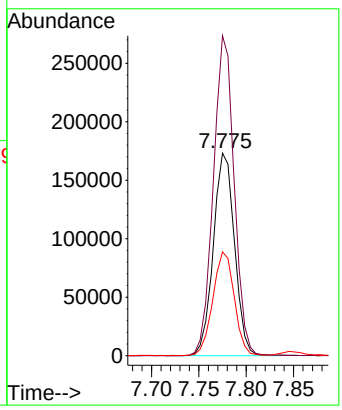


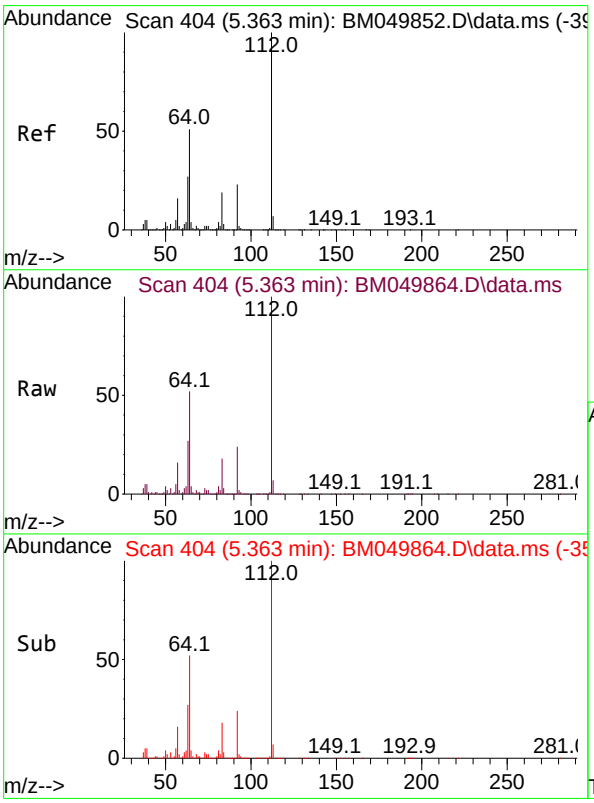
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Instrument :
BNA_M
ClientSampleId :
B-158-SB01

Tgt Ion:152 Resp: 270450

Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.3	186.5
115	51.3	41.1	61.7

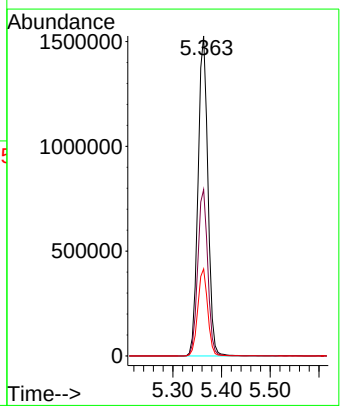


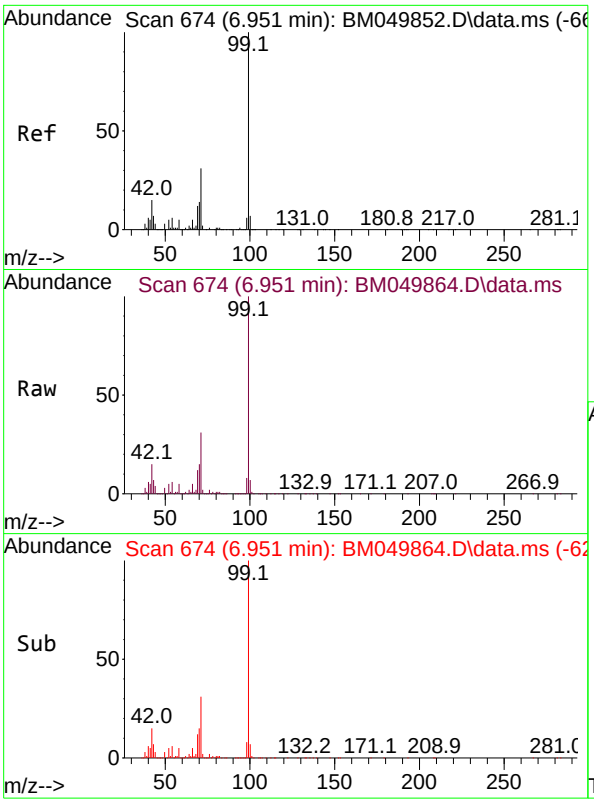


#5
2-Fluorophenol
Concen: 135.570 ng
RT: 5.363 min Scan# 404
Delta R.T. 0.000 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Tgt Ion:112 Resp: 2159201

Ion	Ratio	Lower	Upper
112	100		
64	52.0	41.0	61.6
63	27.2	21.5	32.3



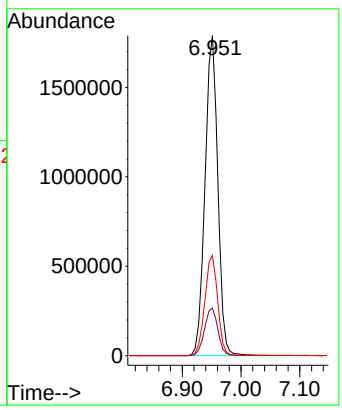


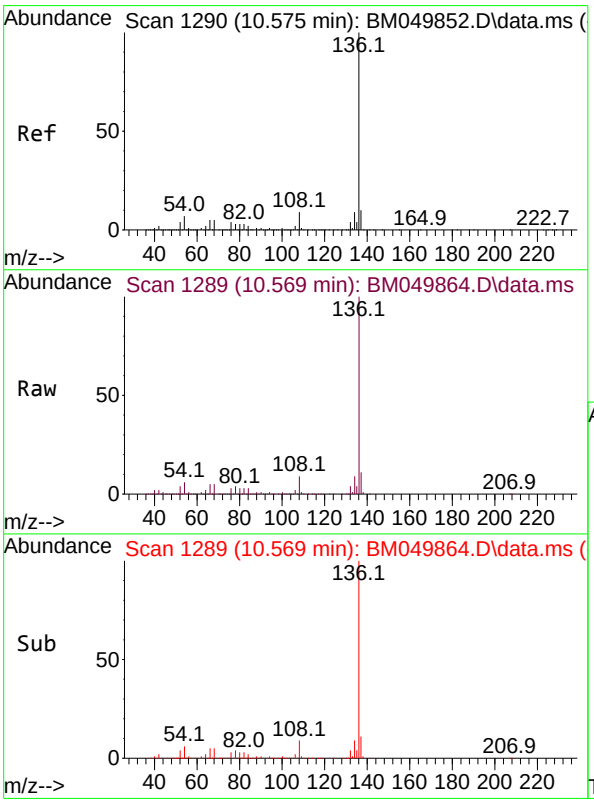
#7
Phenol-d6
Concen: 136.237 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Instrument :
BNA_M
ClientSampleId :
B-158-SB01

Tgt Ion: 99 Resp: 2699671

Ion	Ratio	Lower	Upper
99	100		
42	14.9	12.1	18.1
71	31.3	24.9	37.3

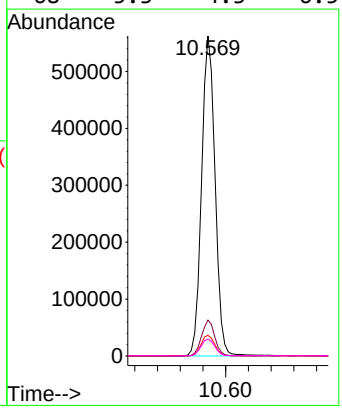


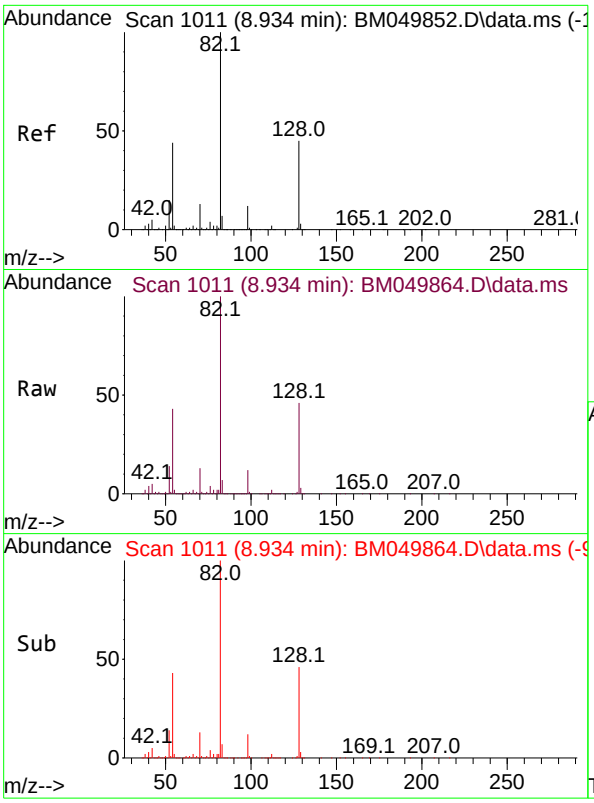


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Tgt Ion:136 Resp: 926727

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	6.4	5.3	7.9
68	5.3	4.3	6.5



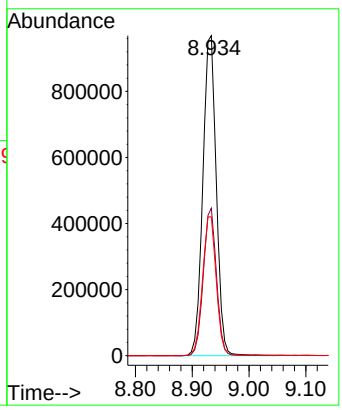


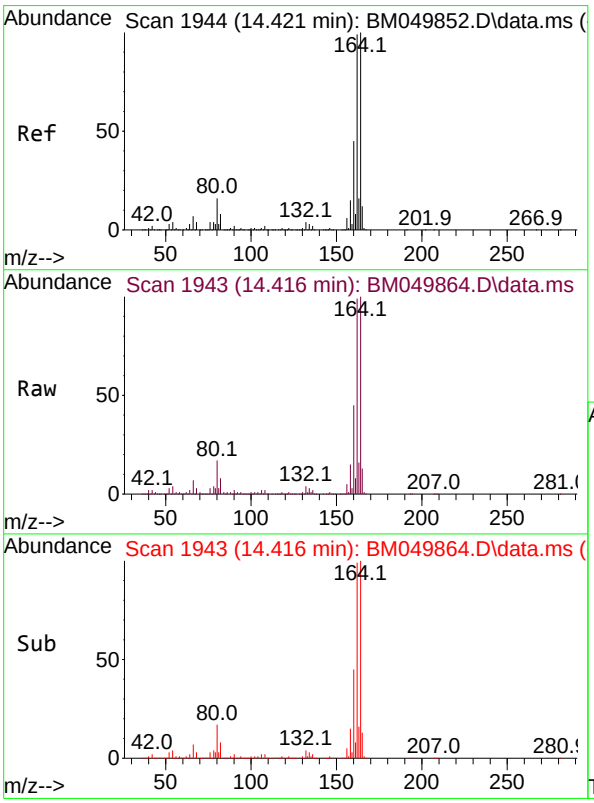
#23
Nitrobenzene-d5
Concen: 95.403 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Instrument :
BNA_M
ClientSampleId :
B-158-SB01

Tgt Ion: 82 Resp: 1587724

Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.2	54.2
54	43.4	35.0	52.6

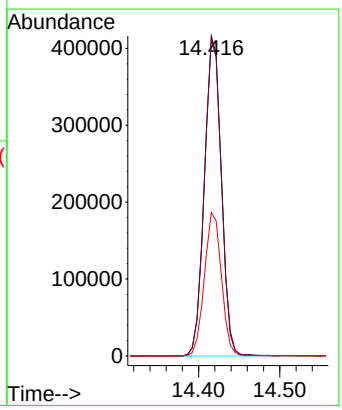


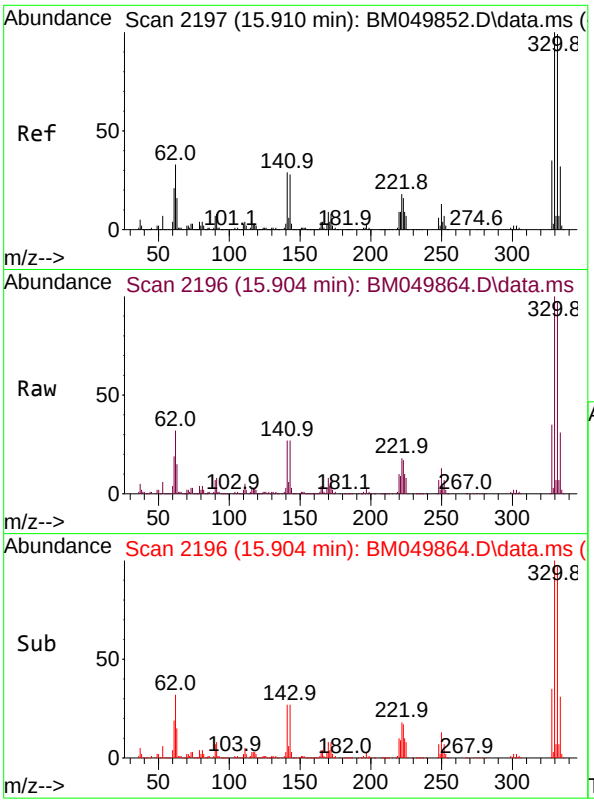


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Tgt Ion:164 Resp: 601767

Ion	Ratio	Lower	Upper
164	100		
162	98.9	79.4	119.0
160	44.8	36.2	54.2



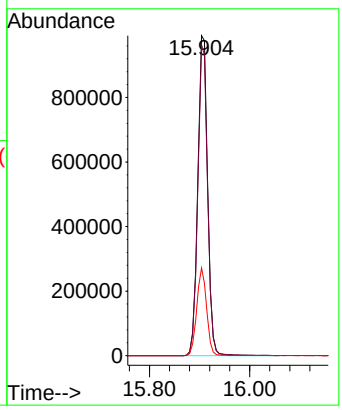


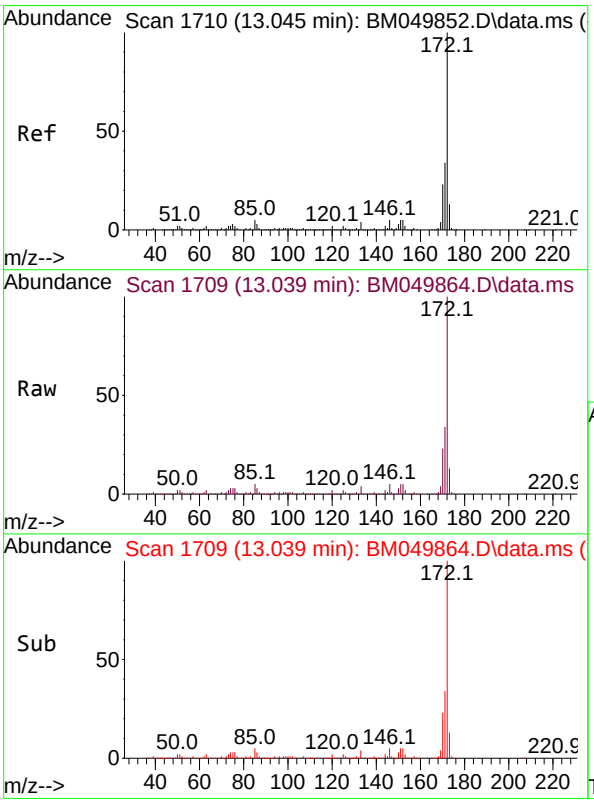
#42
2,4,6-Tribromophenol
Concen: 153.899 ng
RT: 15.904 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Instrument :
BNA_M
ClientSampleId :
B-158-SB01

Tgt Ion:330 Resp: 1347067

Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.0	117.0
141	27.4	23.5	35.3

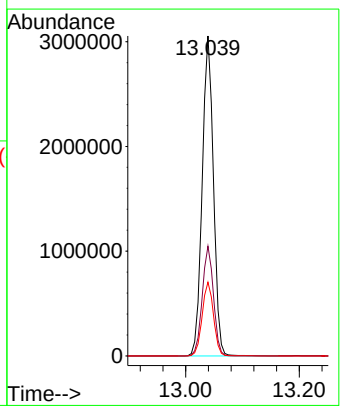


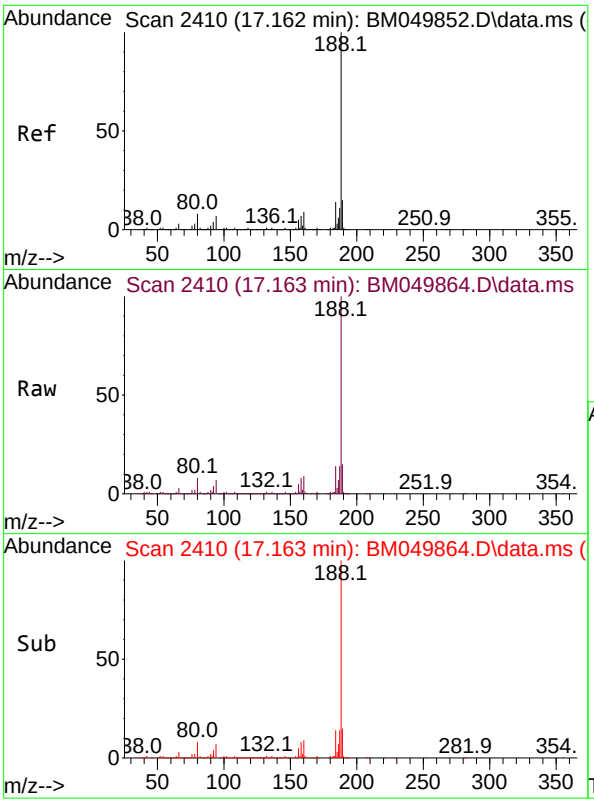


#45
2-Fluorobiphenyl
Concen: 94.293 ng
RT: 13.039 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Tgt Ion:172 Resp: 4184517

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.4	41.2
170	23.1	18.6	28.0



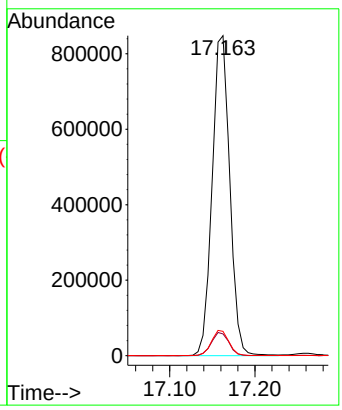


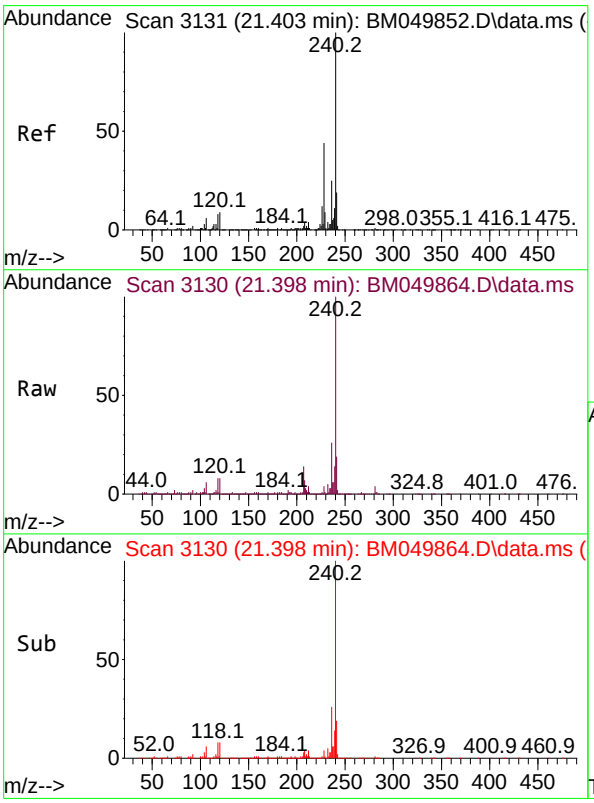
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Instrument :
BNA_M
ClientSampleId :
B-158-SB01

Tgt Ion:188 Resp: 1216375

Ion	Ratio	Lower	Upper
188	100		
94	6.8	5.8	8.6
80	7.6	6.4	9.6

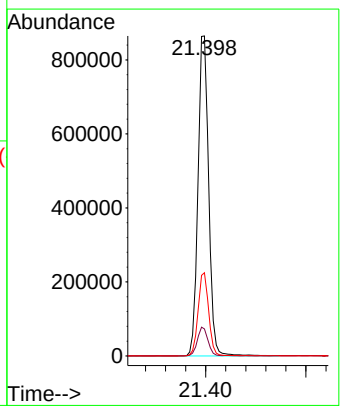


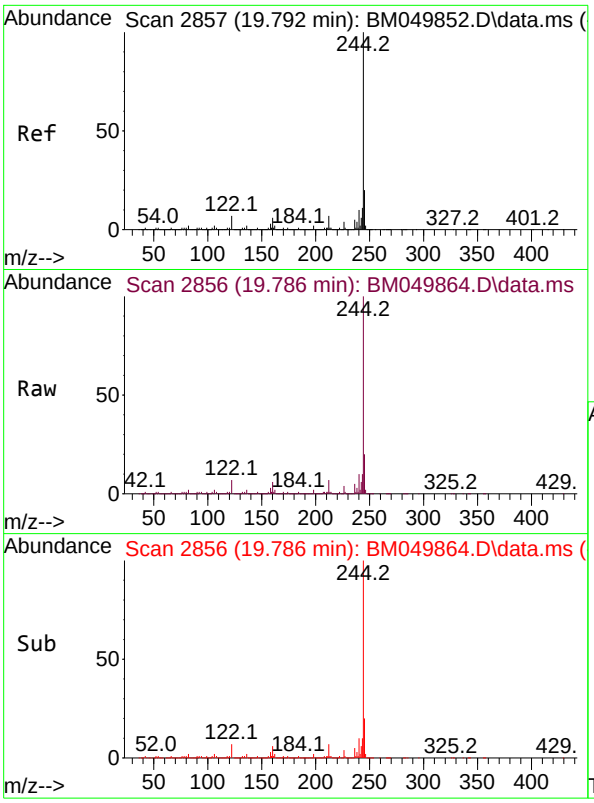


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Tgt Ion:240 Resp: 1277210

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.9	10.3
236	26.0	20.4	30.6



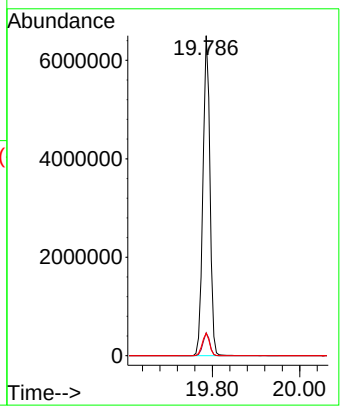


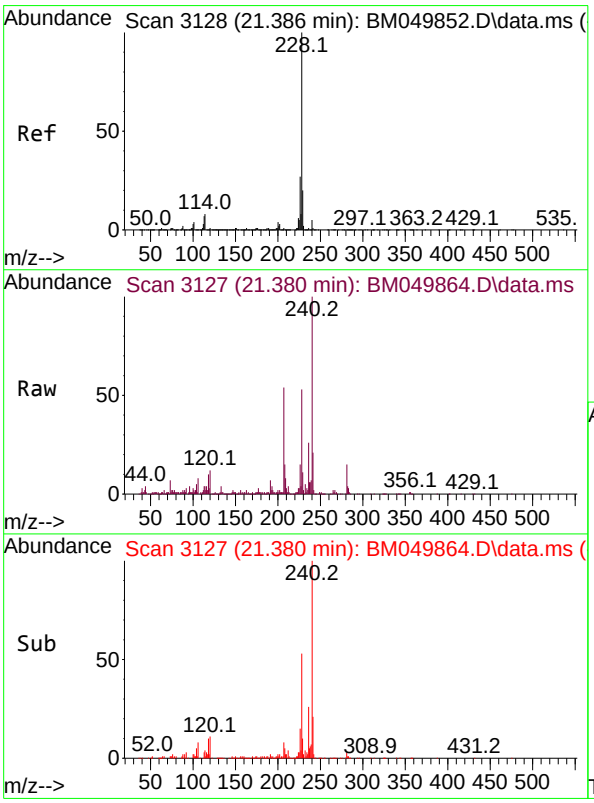
#79
Terphenyl-d14
Concen: 106.486 ng
RT: 19.786 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Instrument :
BNA_M
ClientSampleId :
B-158-SB01

Tgt Ion:244 Resp: 7257247

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.5	8.3
122	7.0	5.4	8.0

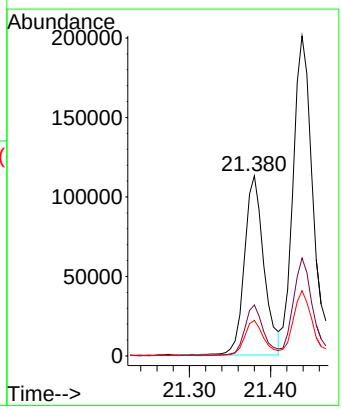


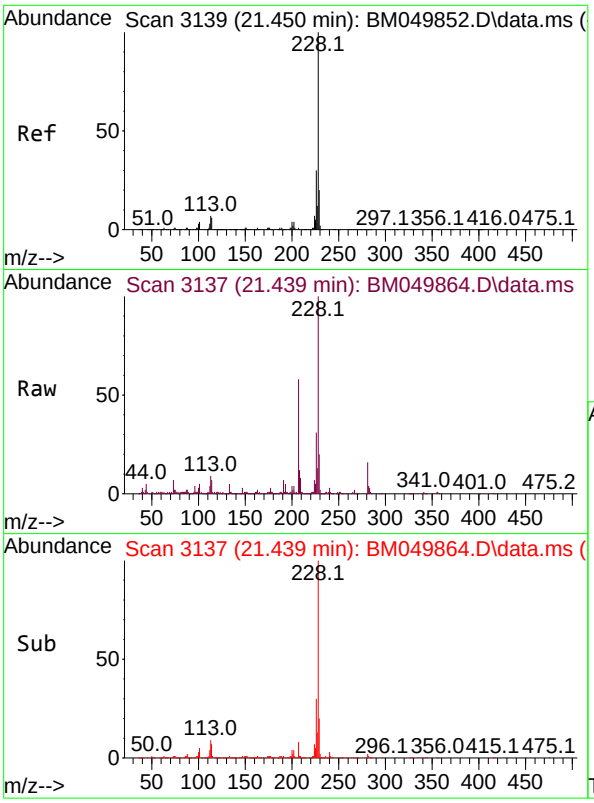


#81
Benzo(a)anthracene
Concen: 2.212 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.006 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Tgt Ion:228 Resp: 187777

Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.8	32.8
229	19.8	15.8	23.8



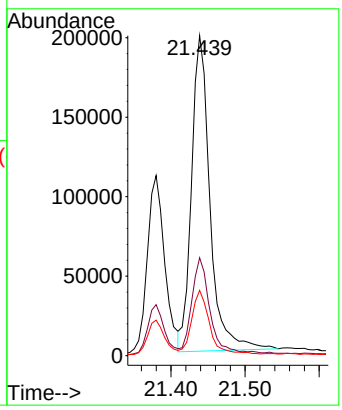


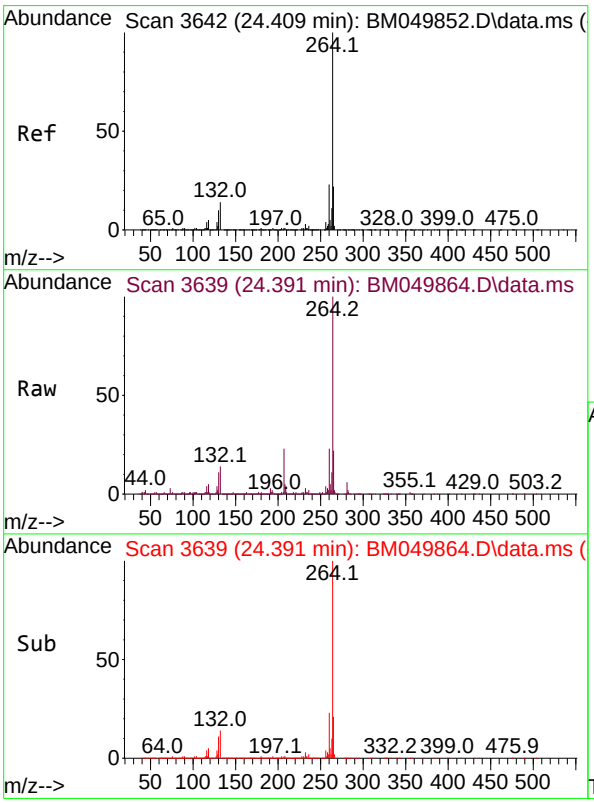
#83
Chrysene
Concen: 4.253 ng
RT: 21.439 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Instrument :
BNA_M
ClientSampleId :
B-158-SB01

Tgt Ion:228 Resp: 343227

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.1	36.1
229	20.4	15.8	23.6

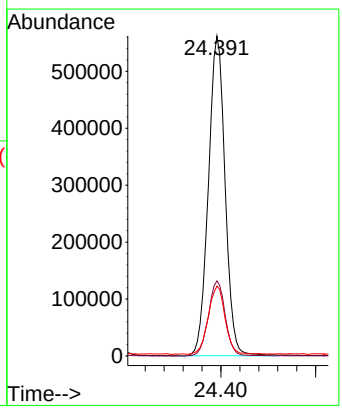


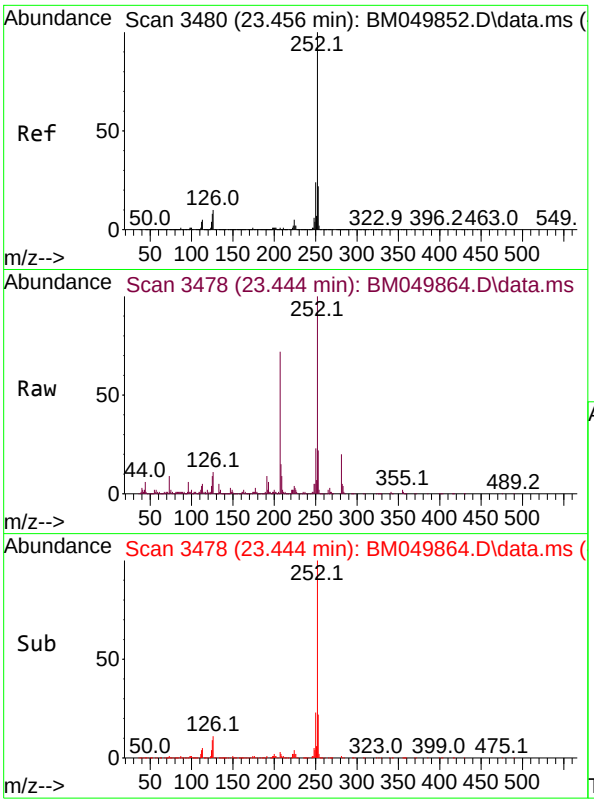


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.391 min Scan# 3639
Delta R.T. -0.018 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Tgt Ion:264 Resp: 1378204

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.9	17.8	26.8



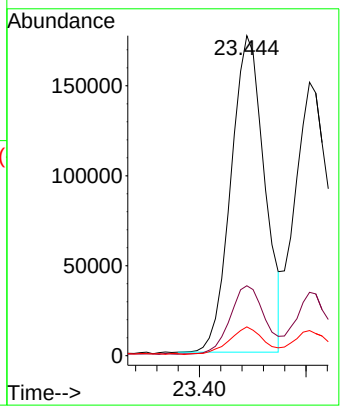


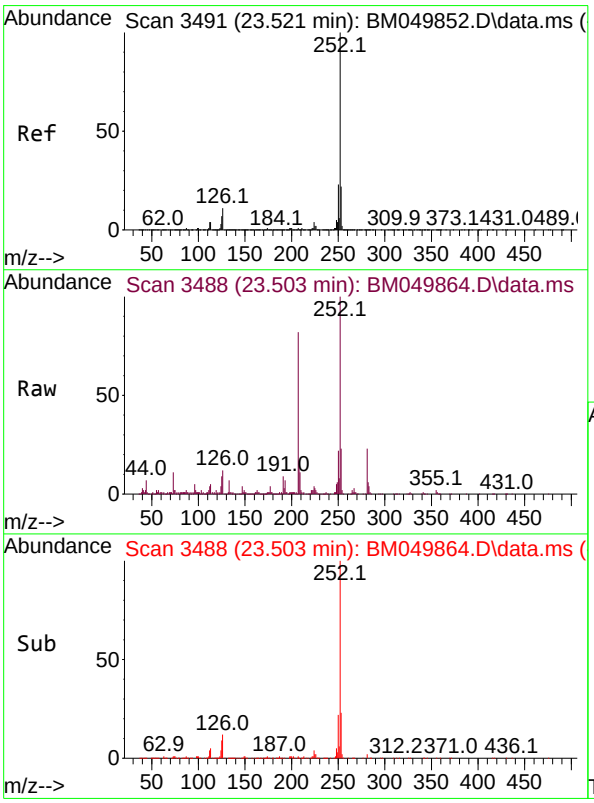
#88
Benzo(b)fluoranthene
Concen: 4.383 ng
RT: 23.444 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Instrument :
BNA_M
ClientSampleId :
B-158-SB01

Tgt Ion:252 Resp: 385800

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	9.0	6.2	9.4





#89
Benzo(k)fluoranthene
Concen: 4.333 ng
RT: 23.503 min Scan# 3488
Delta R.T. -0.018 min
Lab File: BM049864.D
Acq: 09 Apr 2025 12:29

Tgt Ion:252 Resp: 369571

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	9.2	5.8	8.8#