Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049868.D
Acq On : 09 Apr 2025 15:05
Operator : RC/JU
Sample : Q1746-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-149-SB02

Quant Time: Apr 09 15:55:43 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	7.781	152	322464	20.000	ng		0.00
21) Naphthalene-d8	10.575	136	1148080	20.000	ng		0.00
39) Acenaphthene-d10	14.421	164	770952	20.000	ng		0.00
64) Phenanthrene-d10	17.162	188	1525445	20.000	ng		0.00
76) Chrysene-d12	21.397	240	1431866	20.000	ng		0.00
86) Perylene-d12	24.397	264	1579355	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	2892852	152.336	ng		0.00
7) Phenol-d6	6.951	99	3668334	155.260	ng		0.00
23) Nitrobenzene-d5	8.934	82	2156634	104.603	ng		0.00
42) 2,4,6-Tribromophenol	15.910	330	1983101	176.845	ng		0.00
45) 2-Fluorobiphenyl	13.039	172	5729173	100.769	ng		0.00
79) Terphenyl-d14	19.792	244	8296901	108.591	ng		0.00
Target Compounds							Qvalue
83) Chrysene	21.439	228	199224	2.202	ng		99
88) Benzo(b)fluoranthene	23.450	252	292483	2.900	ng	#	97
89) Benzo(k)fluoranthene	23.509	252	255087	2.610	ng	#	96

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

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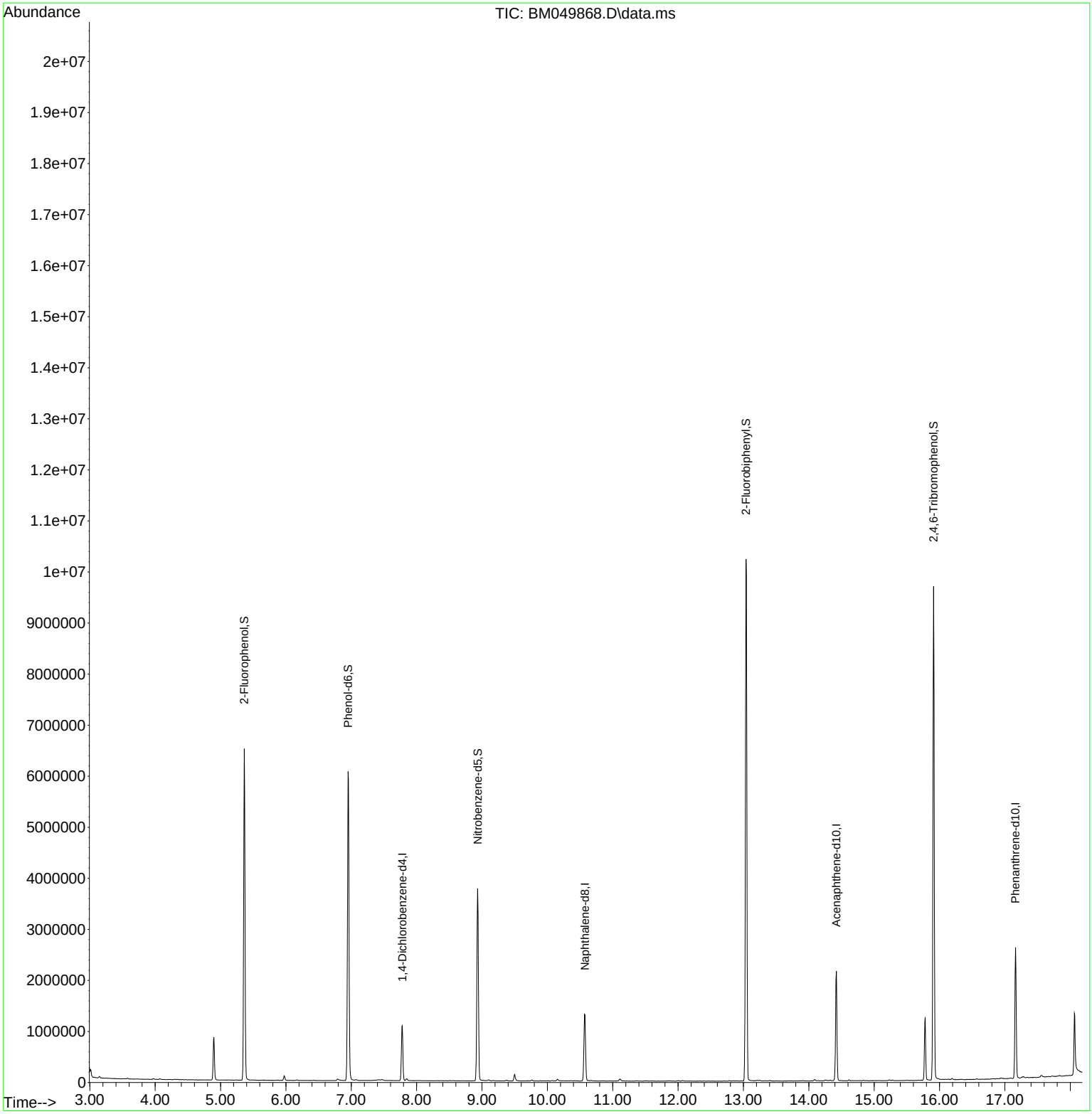

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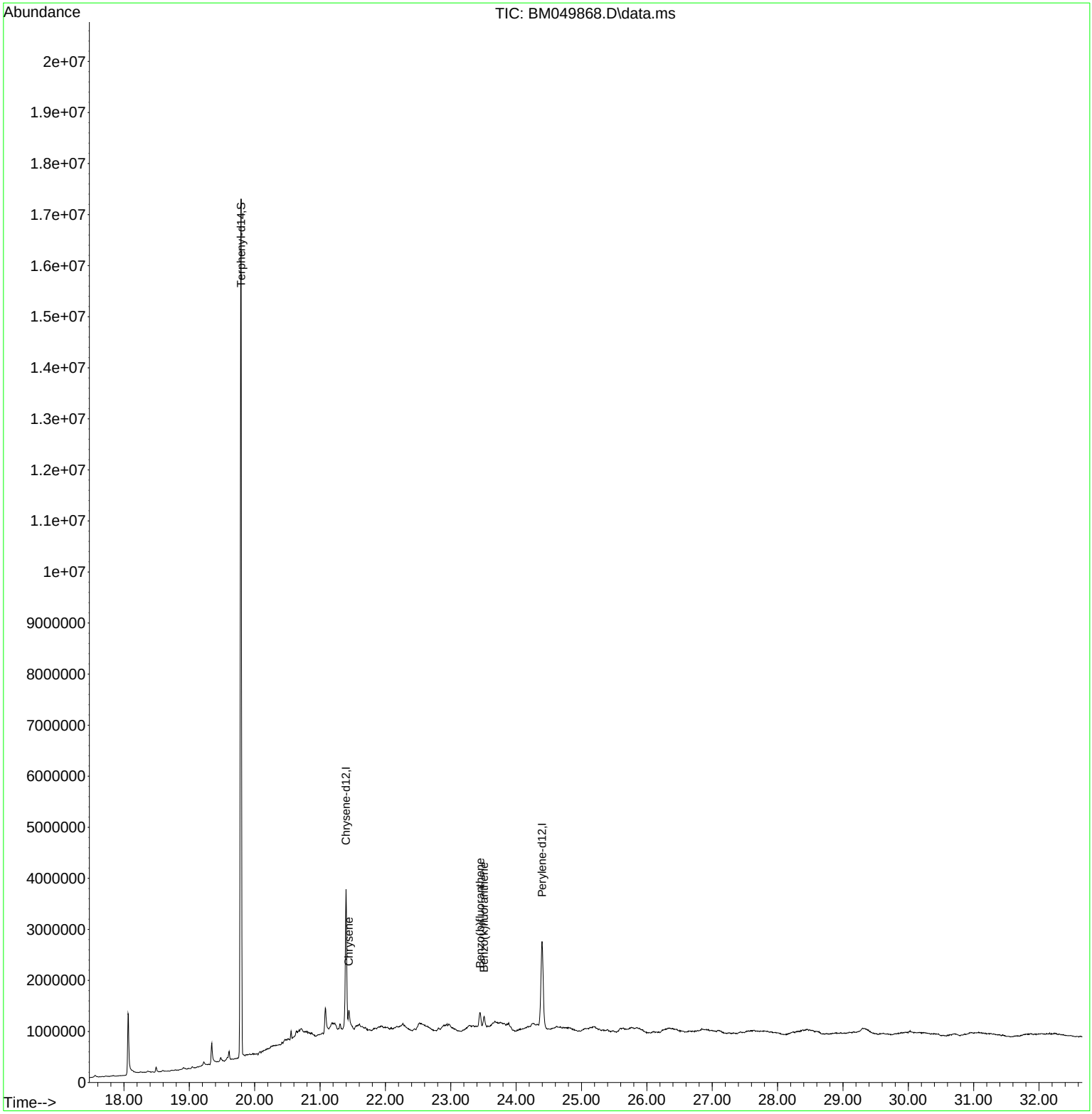
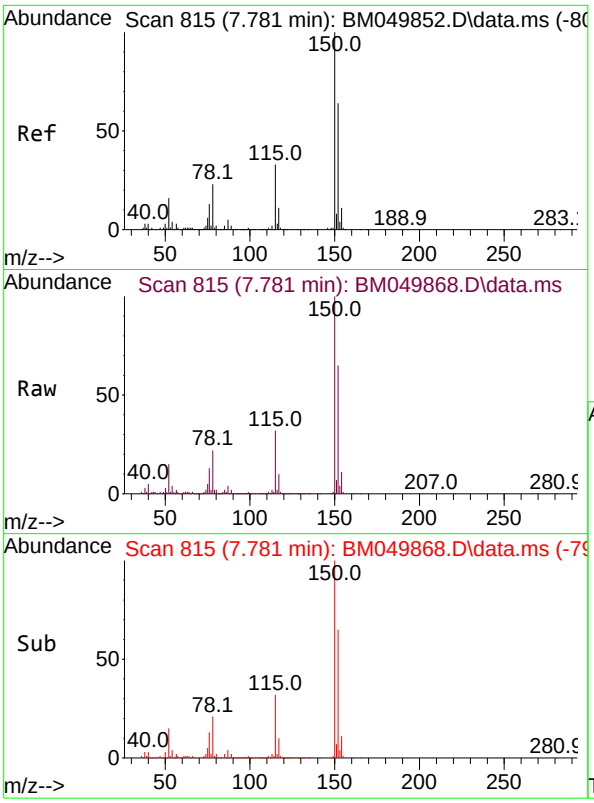


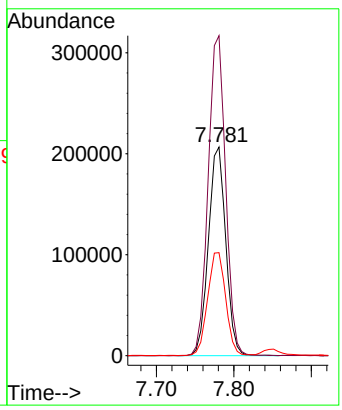


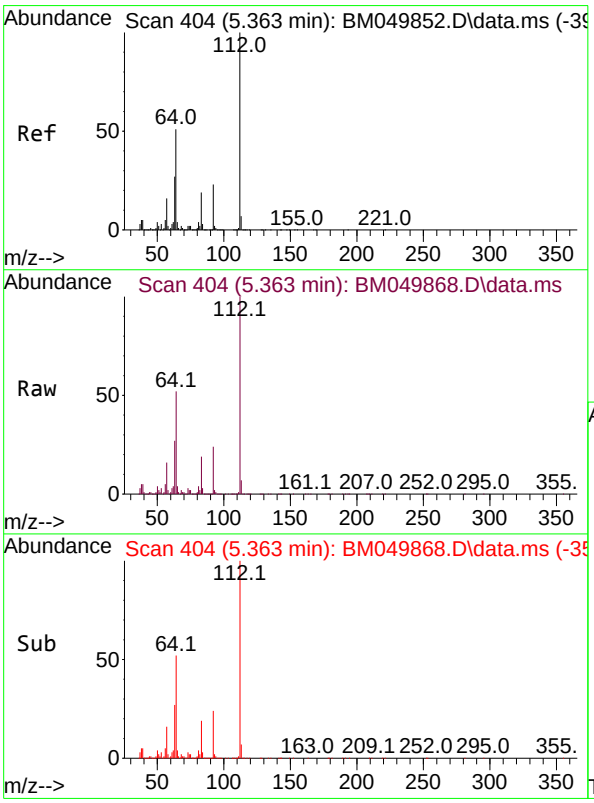
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Instrument :
BNA_M
ClientSampleId :
B-149-SB02

Tgt Ion:152 Resp: 322464

Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.3	186.5
115	49.4	41.1	61.7

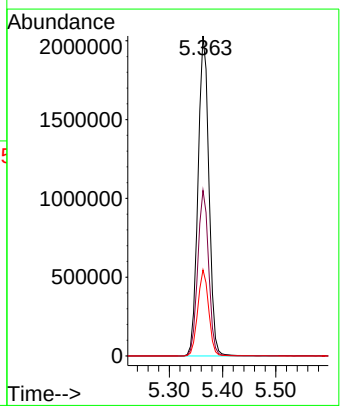


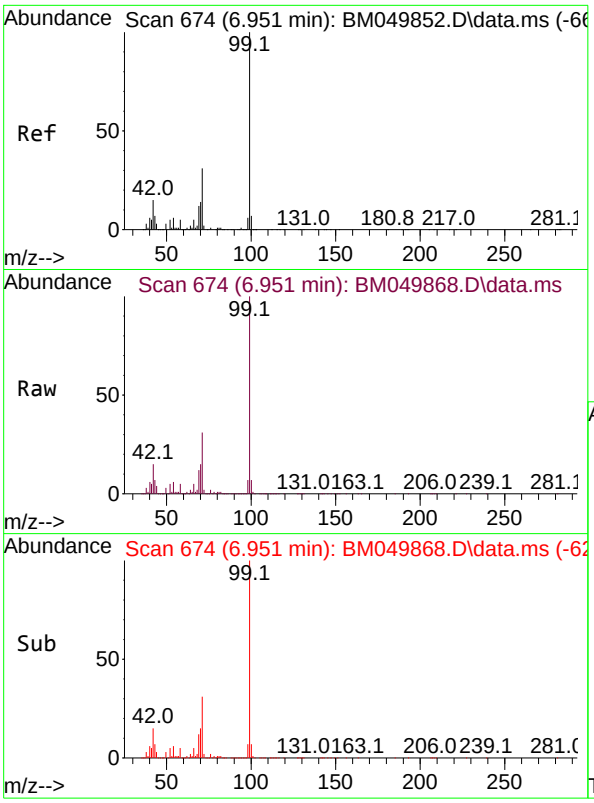


#5
2-Fluorophenol
Concen: 152.336 ng
RT: 5.363 min Scan# 404
Delta R.T. -0.000 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Tgt Ion:112 Resp: 2892852

Ion	Ratio	Lower	Upper
112	100		
64	51.8	41.0	61.6
63	26.9	21.5	32.3



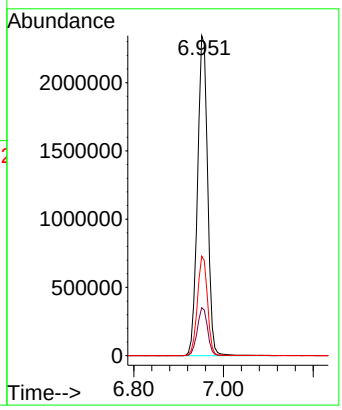


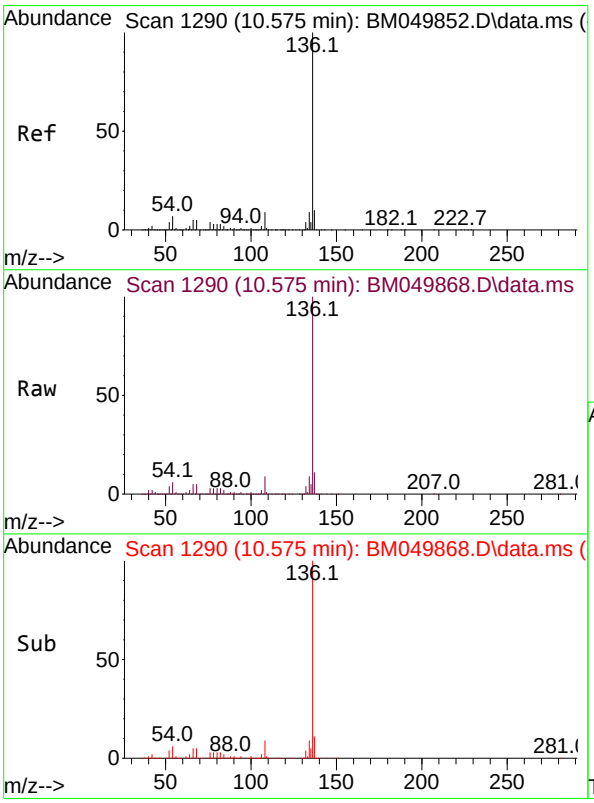
#7
Phenol-d6
Concen: 155.260 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Instrument :
BNA_M
ClientSampleId :
B-149-SB02

Tgt Ion: 99 Resp: 3668334

Ion	Ratio	Lower	Upper
99	100		
42	15.0	12.1	18.1
71	31.1	24.9	37.3

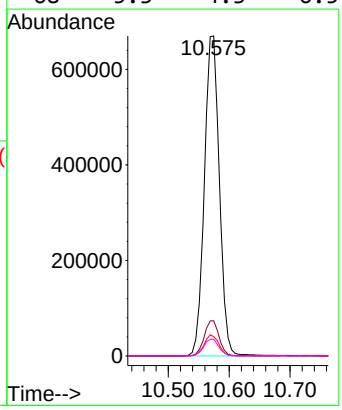


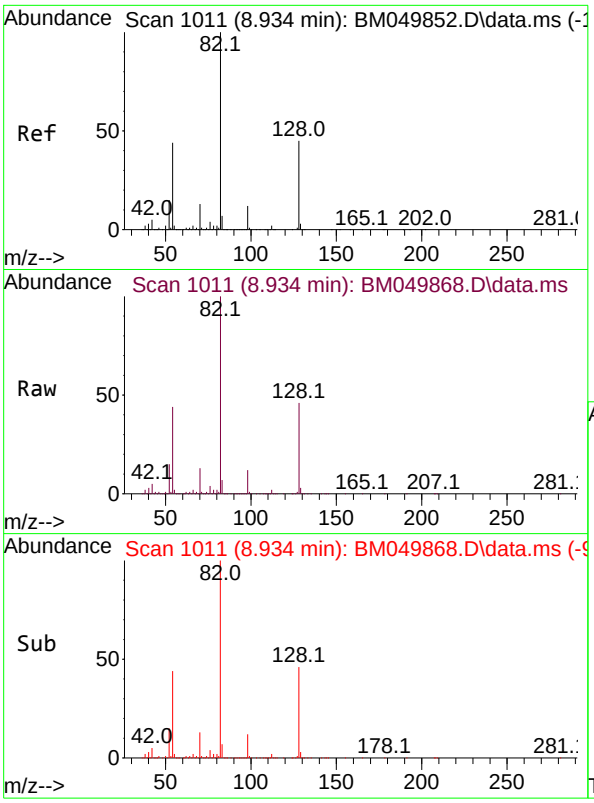


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1290
Delta R.T. -0.000 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Tgt Ion:136 Resp: 1148080

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	6.1	5.3	7.9
68	5.3	4.3	6.5



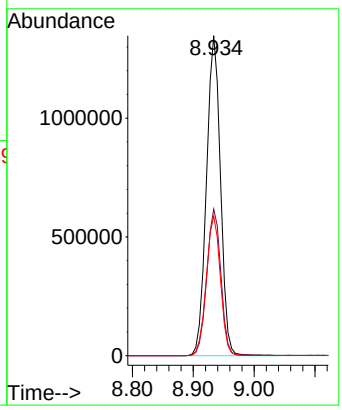


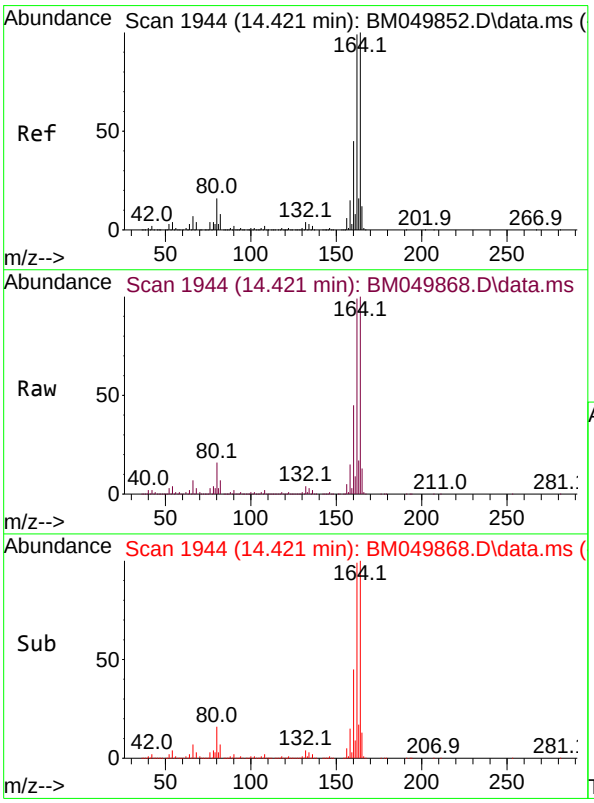
#23
Nitrobenzene-d5
Concen: 104.603 ng
RT: 8.934 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Instrument :
BNA_M
ClientSampleId :
B-149-SB02

Tgt Ion: 82 Resp: 2156634

Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.2	54.2
54	43.6	35.0	52.6

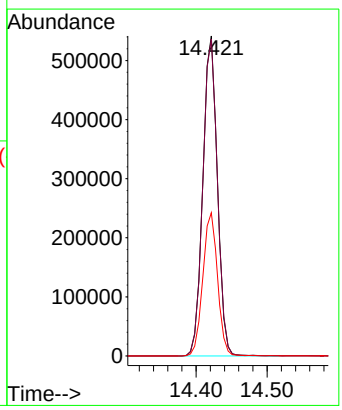


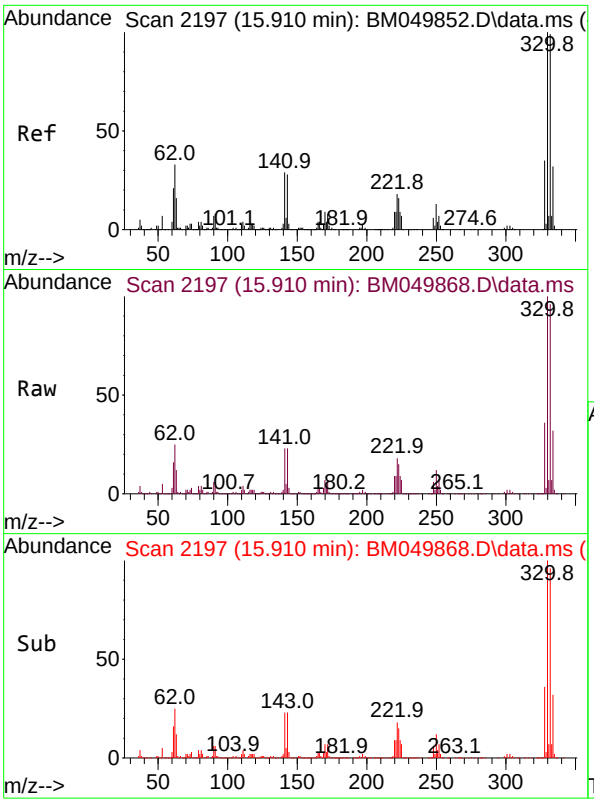


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1944
Delta R.T. -0.000 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Tgt Ion:164 Resp: 770952

Ion	Ratio	Lower	Upper
164	100		
162	99.0	79.4	119.0
160	44.8	36.2	54.2



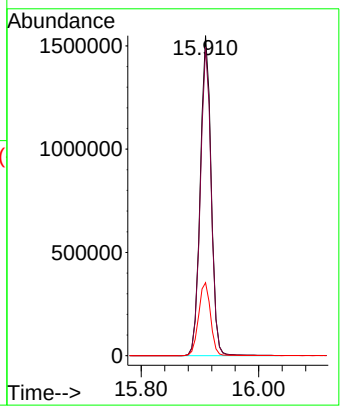


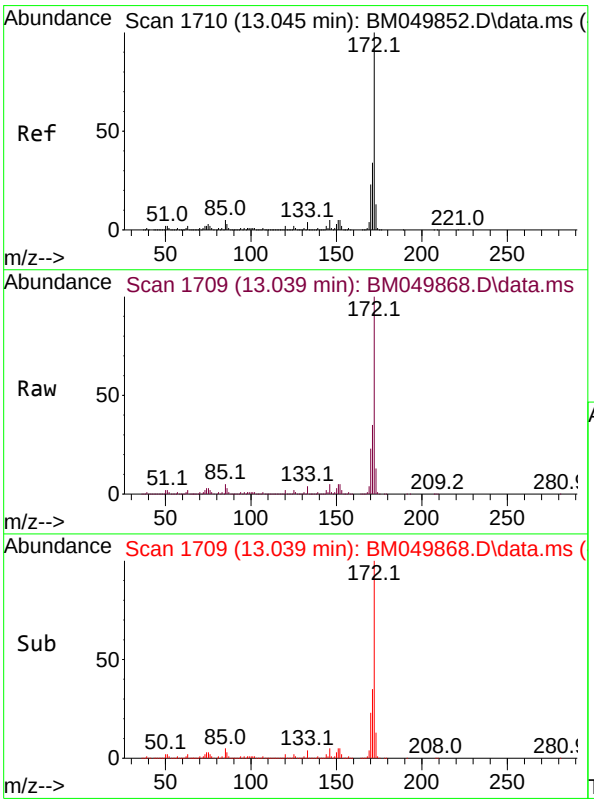
#42
2,4,6-Tribromophenol
Concen: 176.845 ng
RT: 15.910 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Instrument :
BNA_M
ClientSampleId :
B-149-SB02

Tgt Ion:330 Resp: 1983101

Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.0	117.0
141	25.0	23.5	35.3

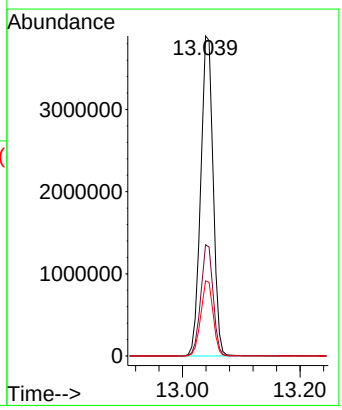


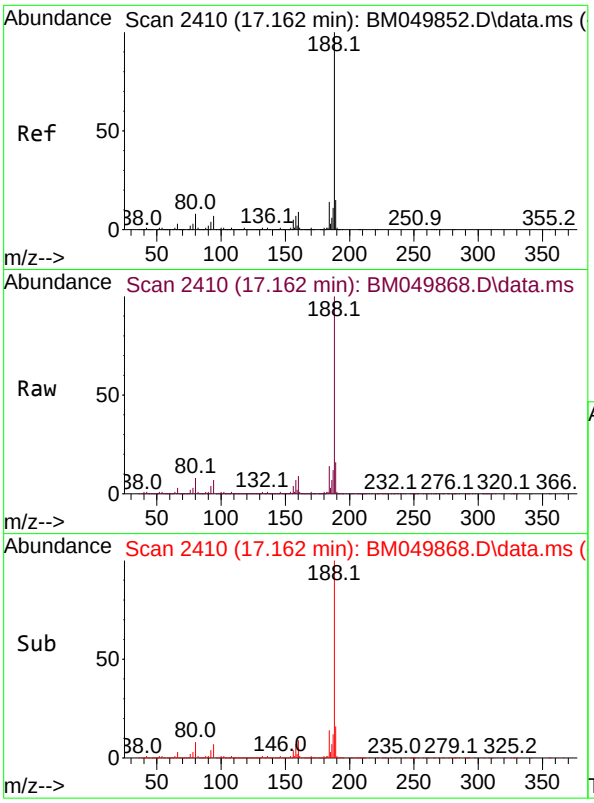


#45
2-Fluorobiphenyl
Concen: 100.769 ng
RT: 13.039 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Tgt Ion:172 Resp: 5729173

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.4	41.2
170	23.5	18.6	28.0



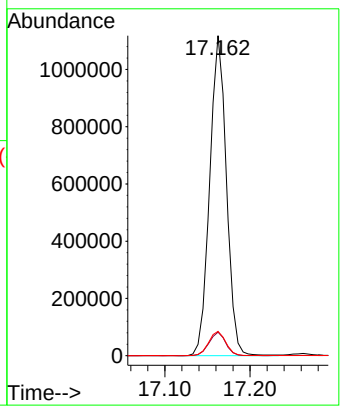


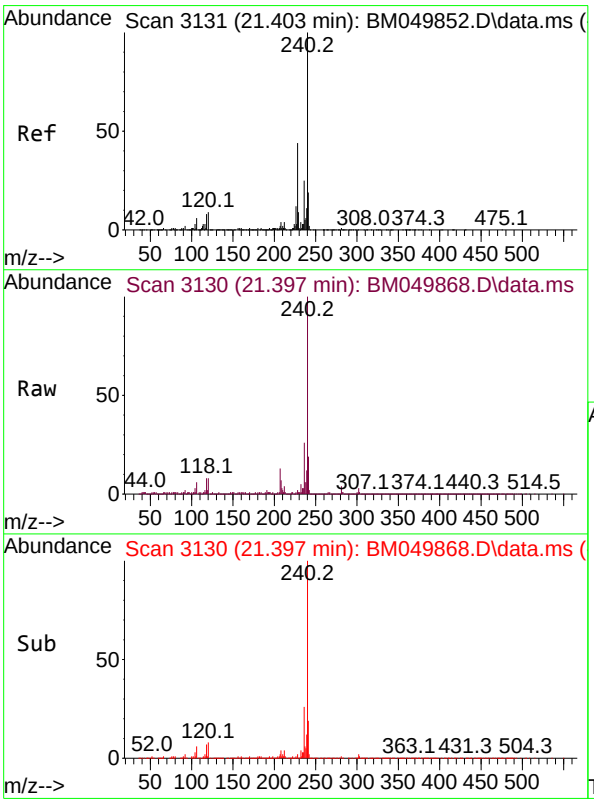
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Instrument :
BNA_M
ClientSampleId :
B-149-SB02

Tgt Ion:188 Resp: 1525445

Ion	Ratio	Lower	Upper
188	100		
94	7.4	5.8	8.6
80	7.6	6.4	9.6

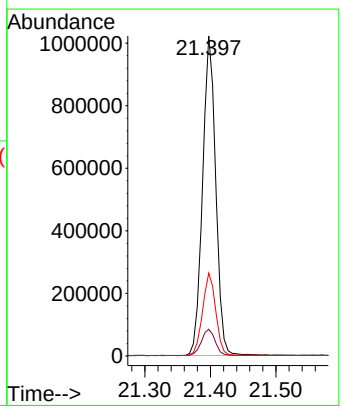


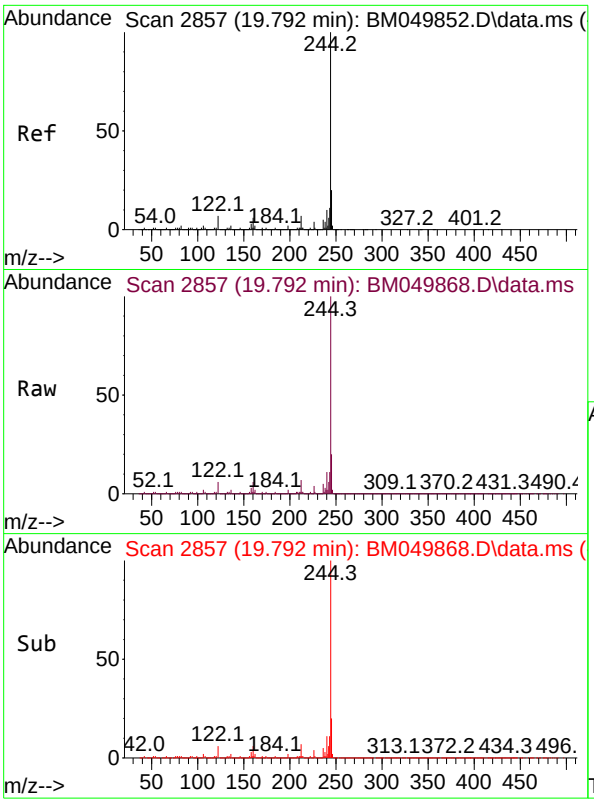


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Tgt Ion:240 Resp: 1431866

Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.9	10.3
236	25.9	20.4	30.6



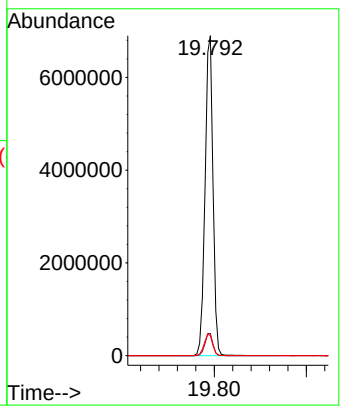


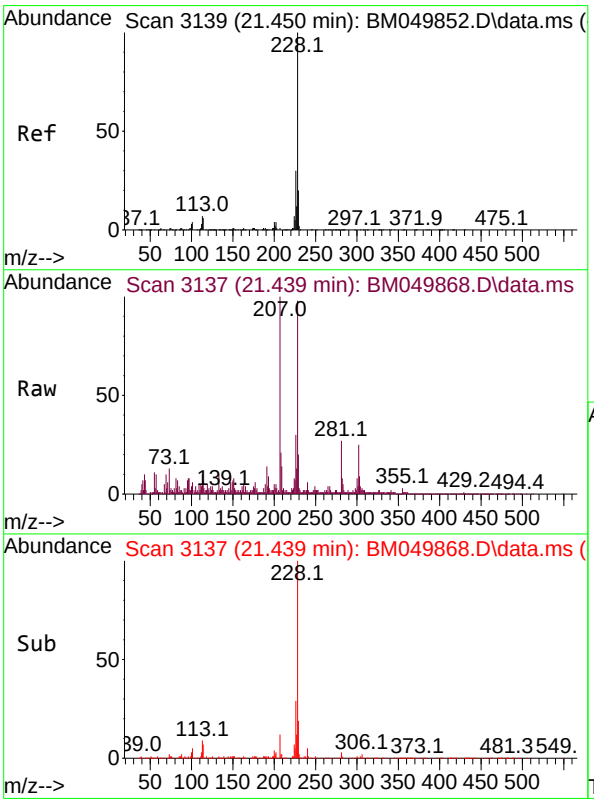
#79
Terphenyl-d14
Concen: 108.591 ng
RT: 19.792 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Instrument :
BNA_M
ClientSampleId :
B-149-SB02

Tgt Ion:244 Resp: 8296901

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	6.2	5.4	8.0

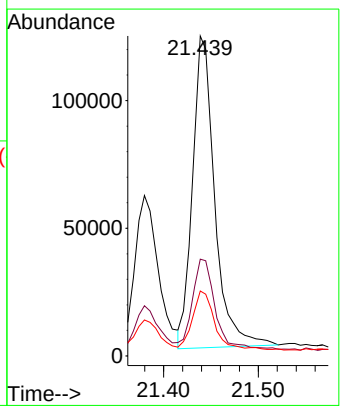


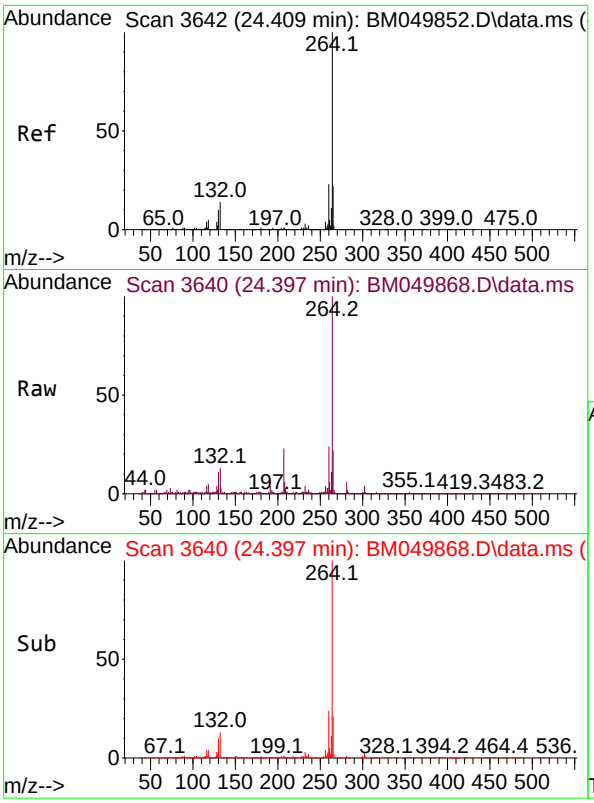


#83
Chrysene
Concen: 2.202 ng
RT: 21.439 min Scan# 3137
Delta R.T. -0.012 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Tgt Ion:228 Resp: 199224

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.1	36.1
229	20.3	15.8	23.6



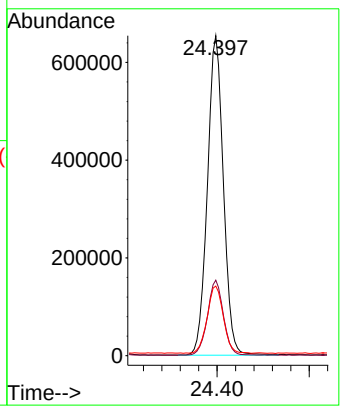


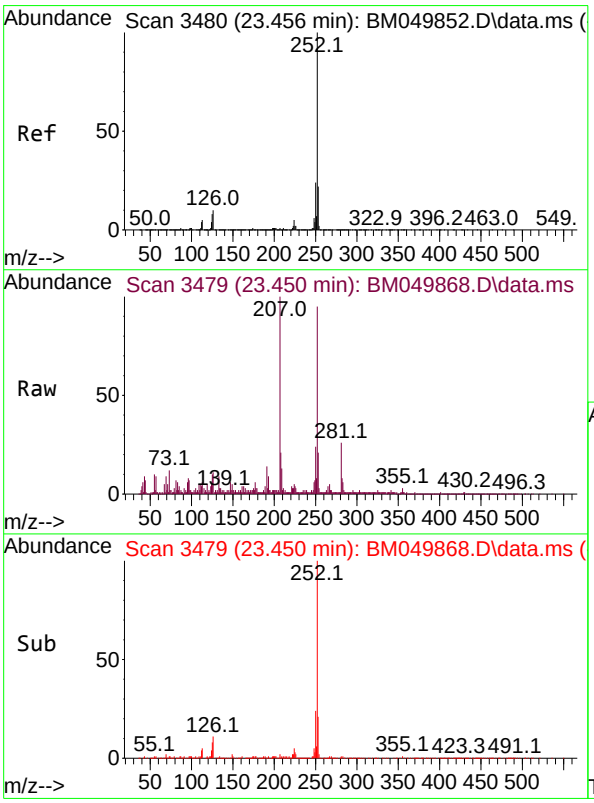
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Instrument :
BNA_M
ClientSampleId :
B-149-SB02

Tgt Ion:264 Resp: 1579355

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	21.8	17.8	26.8

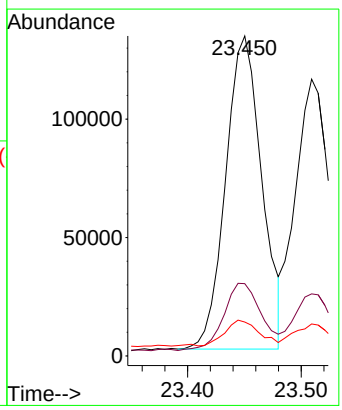


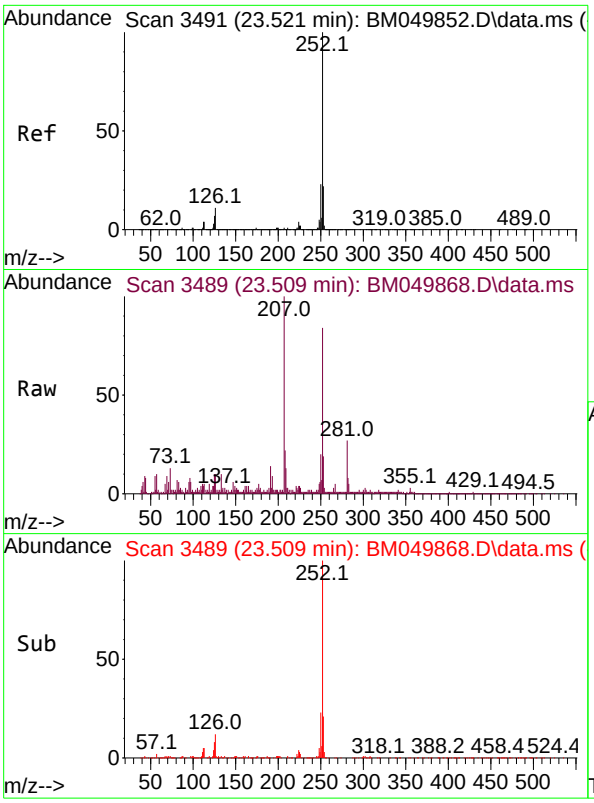


#88
Benzo(b)fluoranthene
Concen: 2.900 ng
RT: 23.450 min Scan# 3479
Delta R.T. -0.006 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Tgt Ion:252 Resp: 292483

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	10.6	6.2	9.4#





#89
Benzo(k)fluoranthene
Concen: 2.610 ng
RT: 23.509 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM049868.D
Acq: 09 Apr 2025 15:05

Instrument :
BNA_M
ClientSampleId :
B-149-SB02

Tgt Ion:252 Resp: 255087

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.2
125	11.5	5.8	8.8#