Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040325\
Data File : BM049811.D
Acq On : 03 Apr 2025 18:32
Operator : RC/JU
Sample : Q1706-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-01-040225

Quant Time: Apr 04 01:01:04 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	380401	20.000	ng		-0.02
21) Naphthalene-d8	10.581	136	1320484	20.000	ng		-0.02
39) Acenaphthene-d10	14.427	164	854752	20.000	ng		-0.02
64) Phenanthrene-d10	17.168	188	1681670	20.000	ng		-0.02
76) Chrysene-d12	21.403	240	1784760	20.000	ng		-0.02
86) Perylene-d12	24.409	264	1958208	20.000	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.369	112	926585	41.100	ng		-0.02
7) Phenol-d6	6.957	99	1176356	41.579	ng		-0.02
23) Nitrobenzene-d5	8.939	82	701691	27.282	ng		-0.02
42) 2,4,6-Tribromophenol	15.915	330	424871	42.568	ng		-0.02
45) 2-Fluorobiphenyl	13.051	172	1620123	23.738	ng		-0.02
79) Terphenyl-d14	19.792	244	2307385	21.786	ng		-0.02
Target Compounds							Qvalue
49) Acenaphthylene	14.151	152	301139	4.202	ng		98
54) 2,4-Dinitrophenol	14.551	184	129	3.212	ng	#	1
58) Fluorene	15.474	166	207721	3.257	ng		97
62) 4-Nitroaniline	15.474	138	3034	3.967	ng		91
63) Azobenzene	15.786	77	120700	2.280	ng	#	1
65) 4,6-Dinitro-2-methylph...	15.533	198	376	3.063	ng	#	1
71) Phenanthrene	17.210	178	1844140	19.749	ng		100
72) Anthracene	17.304	178	600039	6.635	ng		100
75) Fluoranthene	19.227	202	2887014	26.854	ng		99
78) Pyrene	19.586	202	2890676	23.182	ng		99
81) Benzo(a)anthracene	21.386	228	1510919	12.674	ng		96
83) Chrysene	21.450	228	1365768	12.086	ng		98
87) Indeno(1,2,3-cd)pyrene	27.797	276	898338	6.374	ng		98
88) Benzo(b)fluoranthene	23.462	252	1788304	13.559	ng	#	96
89) Benzo(k)fluoranthene	23.462	252	1788304	13.779	ng	#	96
90) Benzo(a)pyrene	24.262	252	1373969	12.402	ng		96
91) Dibenzo(a,h)anthracene	27.844	278	244501	2.082	ng	#	83
92) Benzo(g,h,i)perylene	28.850	276	906859	7.667	ng		97

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

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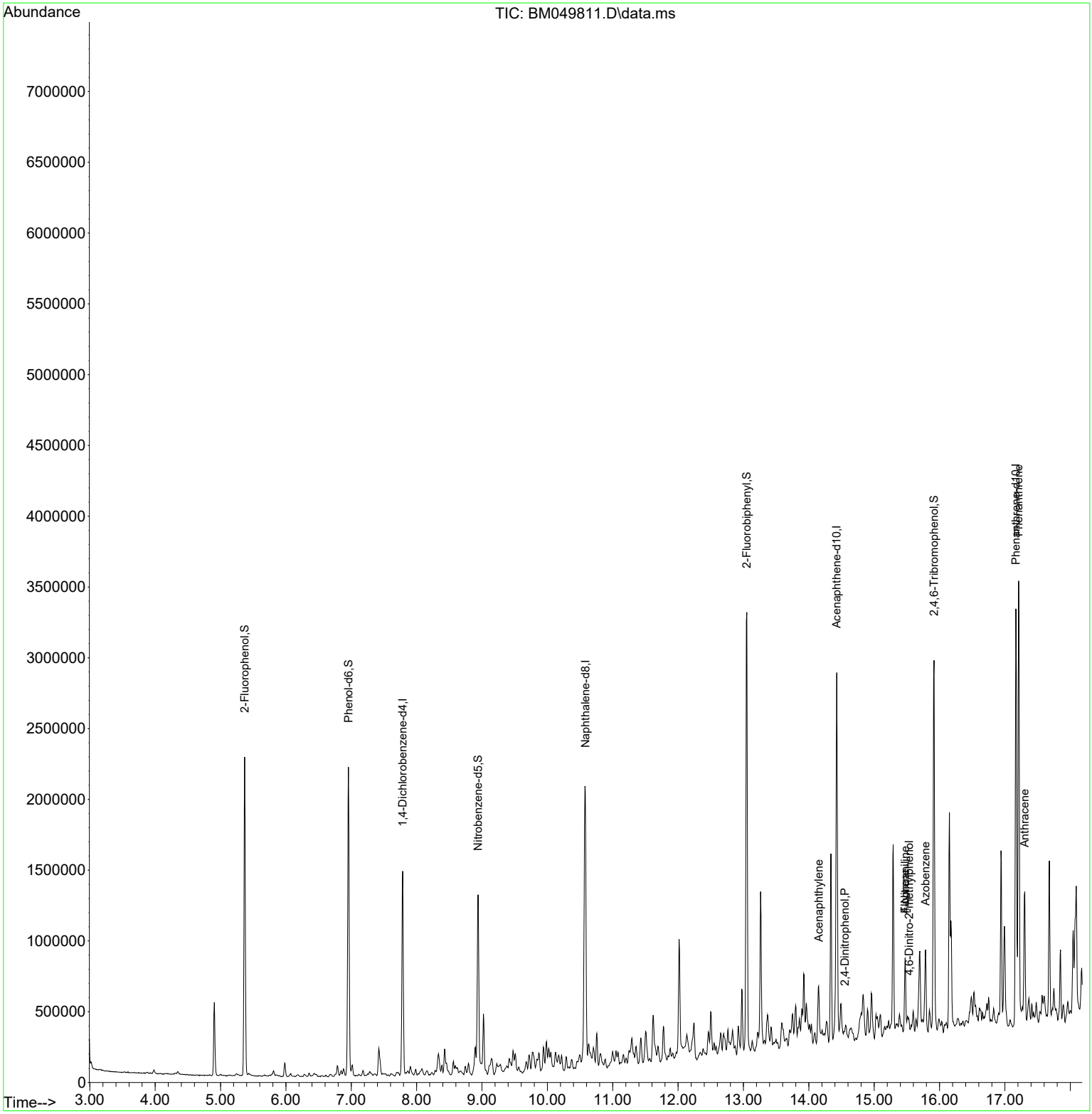
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 14:55:34 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040325\
Data File : BM049811.D
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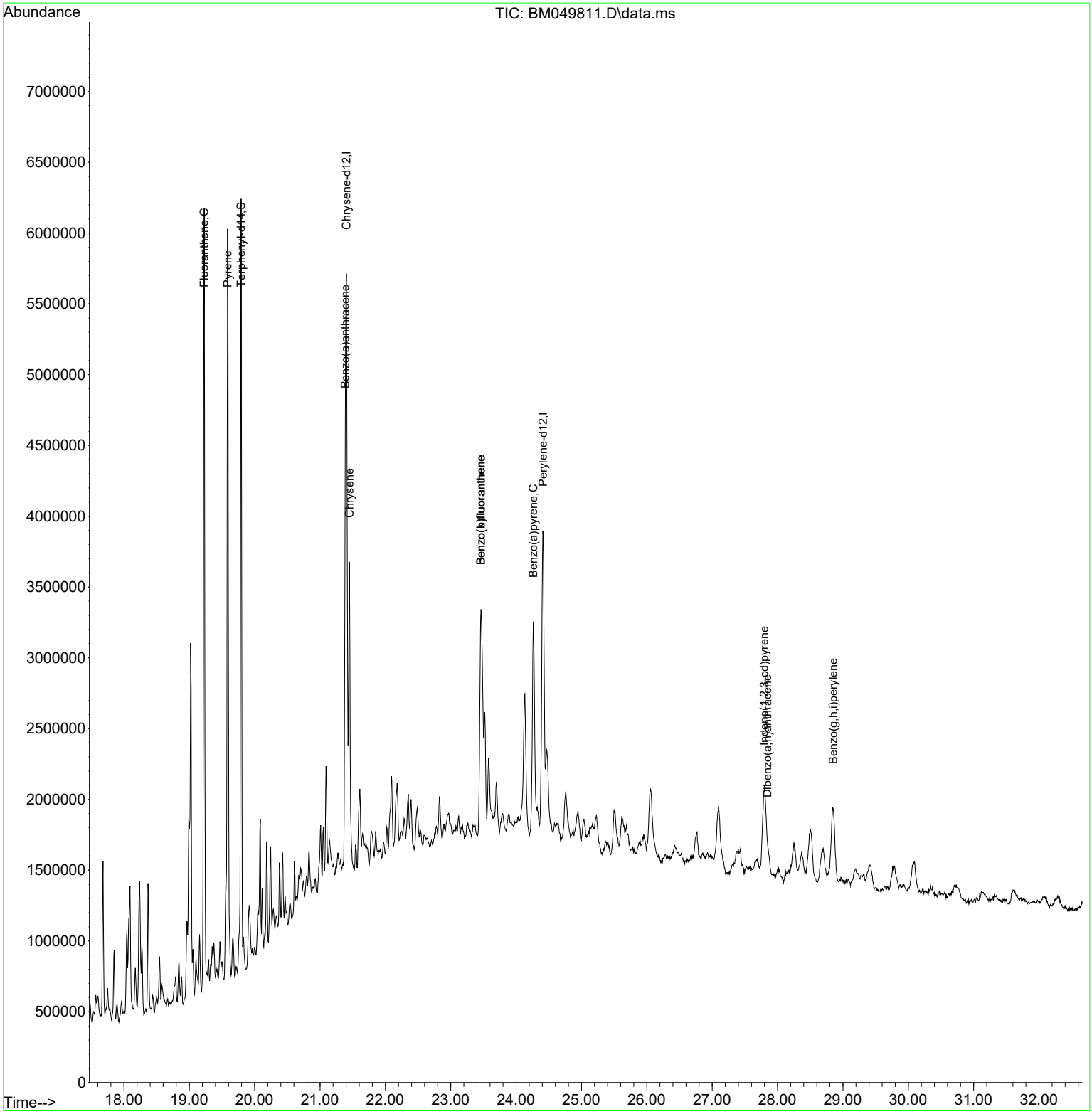
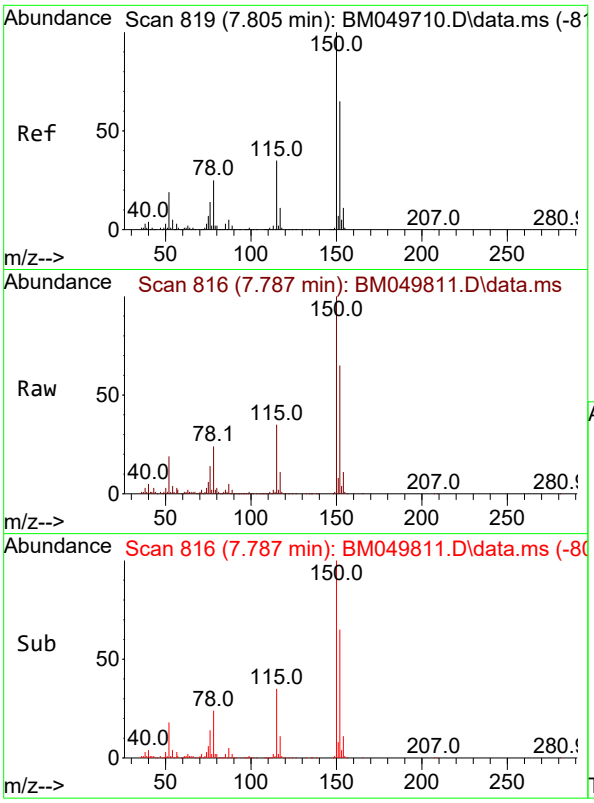


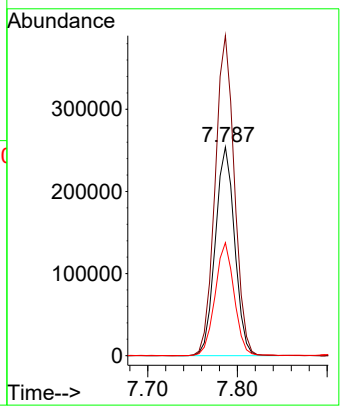


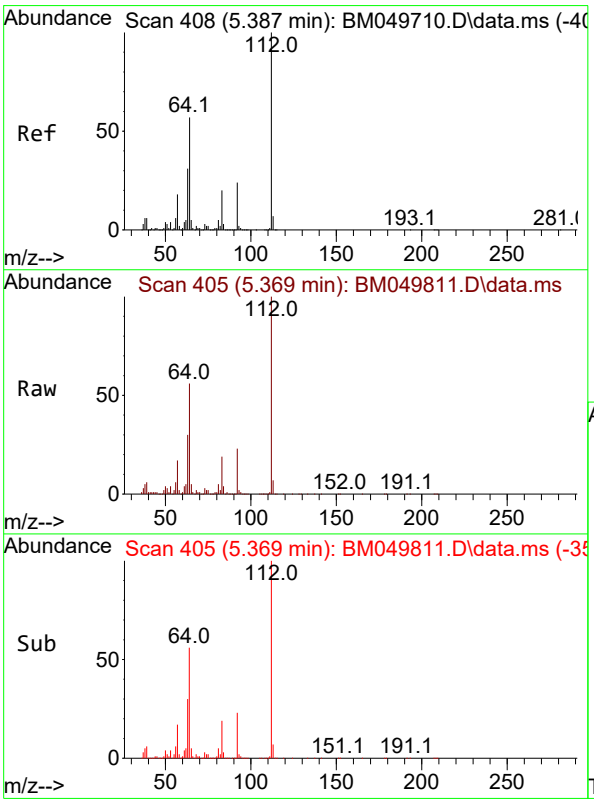
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.787 min Scan# 81
Delta R.T. -0.018 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Instrument :
BNA_M
ClientSampleId :
PL-01-040225

Tgt Ion:152 Resp: 380401

Ion	Ratio	Lower	Upper
152	100		
150	153.3	123.8	185.8
115	54.2	43.0	64.6

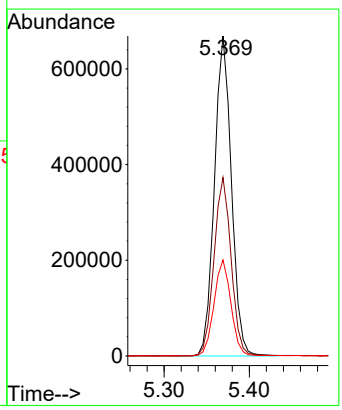


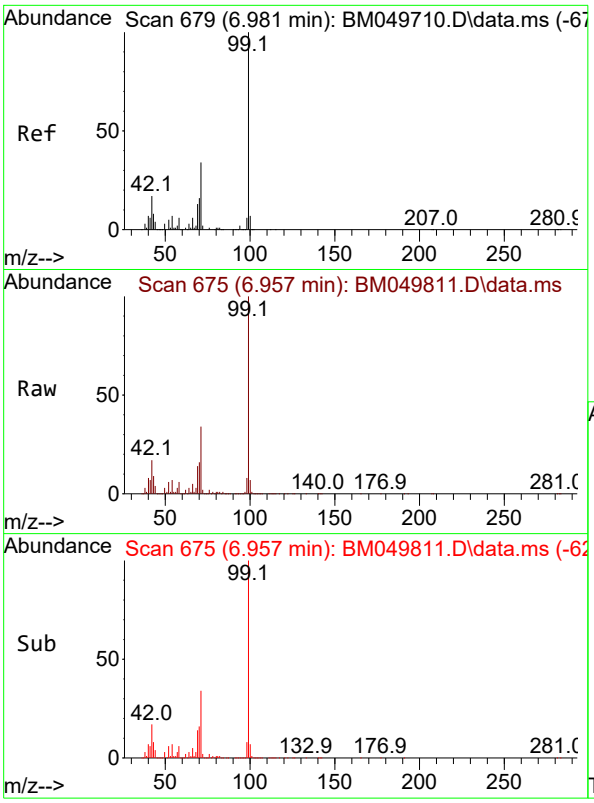


#5
2-Fluorophenol
Concen: 41.100 ng
RT: 5.369 min Scan# 405
Delta R.T. -0.018 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Tgt Ion:112 Resp: 926585

Ion	Ratio	Lower	Upper
112	100		
64	55.7	45.3	67.9
63	30.0	24.4	36.6



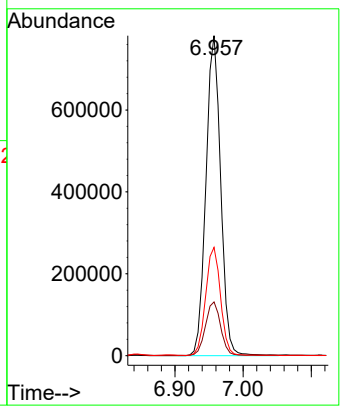


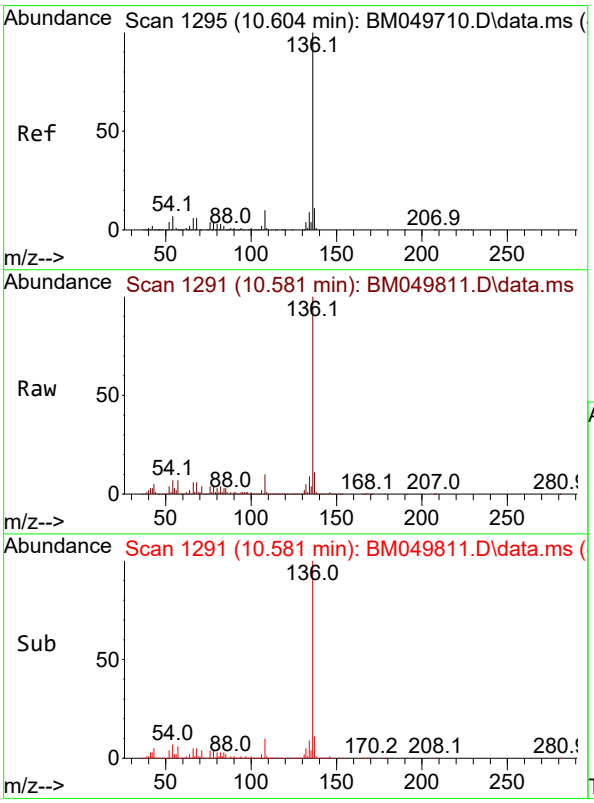
#7
Phenol-d6
Concen: 41.579 ng
RT: 6.957 min Scan# 6
Delta R.T. -0.024 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Instrument :
BNA_M
ClientSampleId :
PL-01-040225

Tgt Ion: 99 Resp: 1176356

Ion	Ratio	Lower	Upper
99	100		
42	16.8	13.6	20.4
71	33.8	27.0	40.6

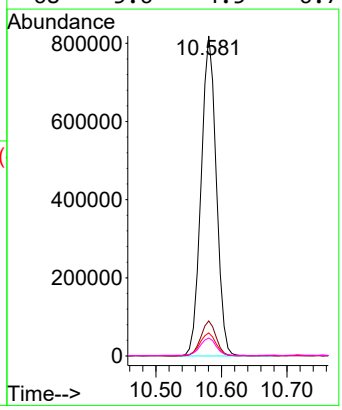


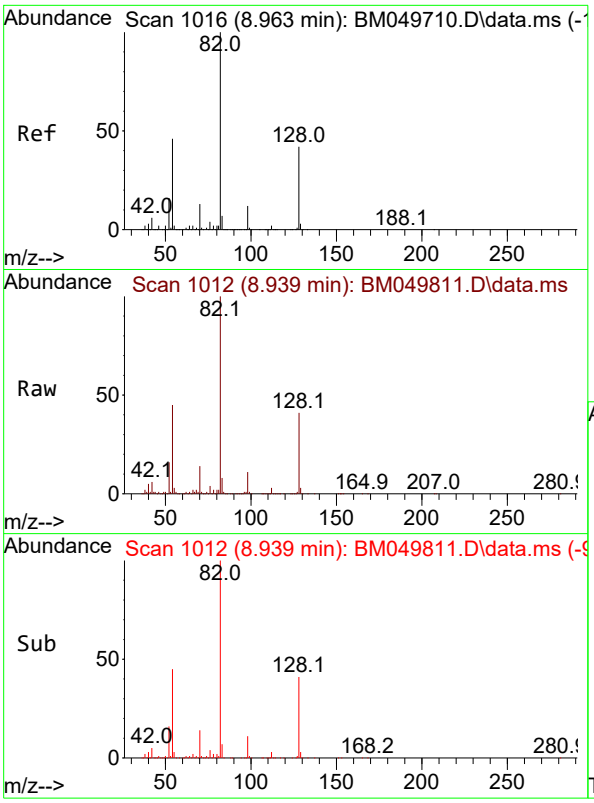


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.581 min Scan# 1291
Delta R.T. -0.024 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Tgt Ion:136 Resp: 1320484

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	7.2	5.8	8.8
68	5.6	4.5	6.7



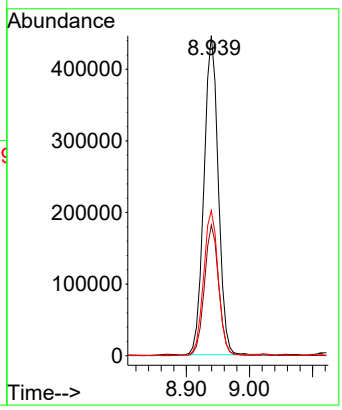


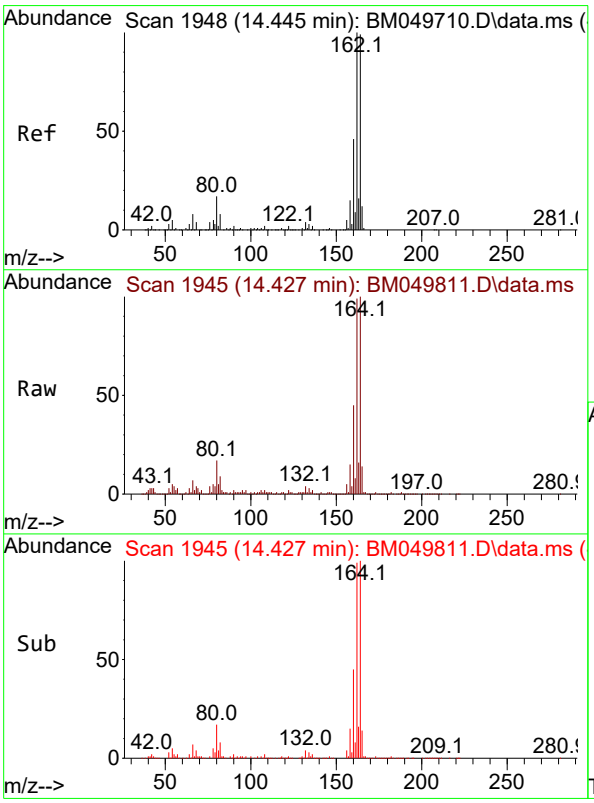
#23
Nitrobenzene-d5
Concen: 27.282 ng
RT: 8.939 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Instrument :
BNA_M
ClientSampleId :
PL-01-040225

Tgt Ion: 82 Resp: 701691

Ion	Ratio	Lower	Upper
82	100		
128	40.8	33.4	50.0
54	45.3	36.4	54.6

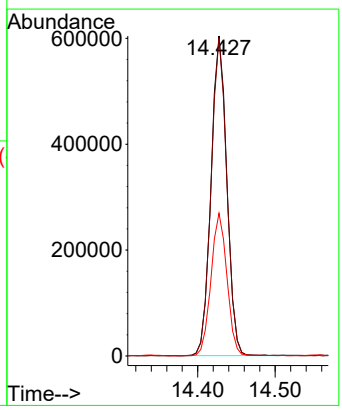


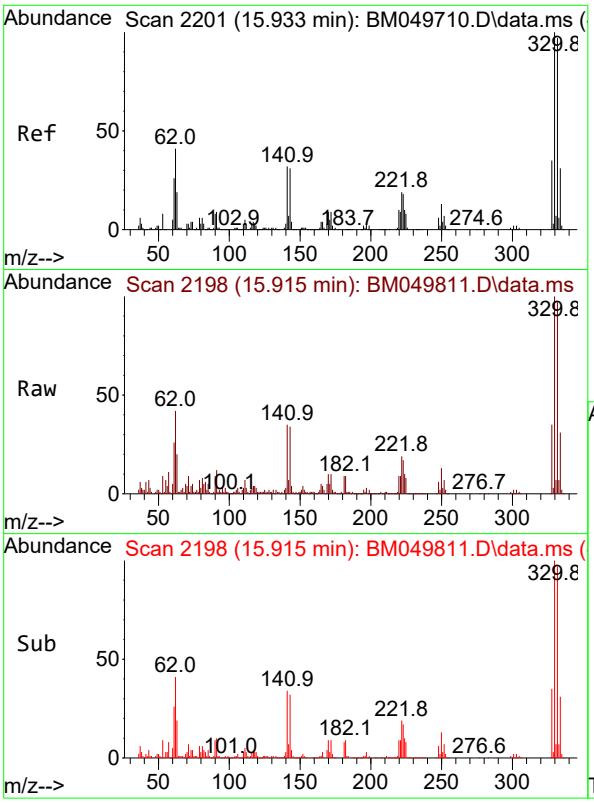


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.018 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Tgt Ion:164 Resp: 854752

Ion	Ratio	Lower	Upper
164	100		
162	99.4	80.5	120.7
160	44.6	36.9	55.3



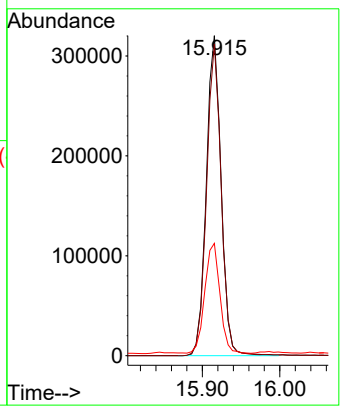


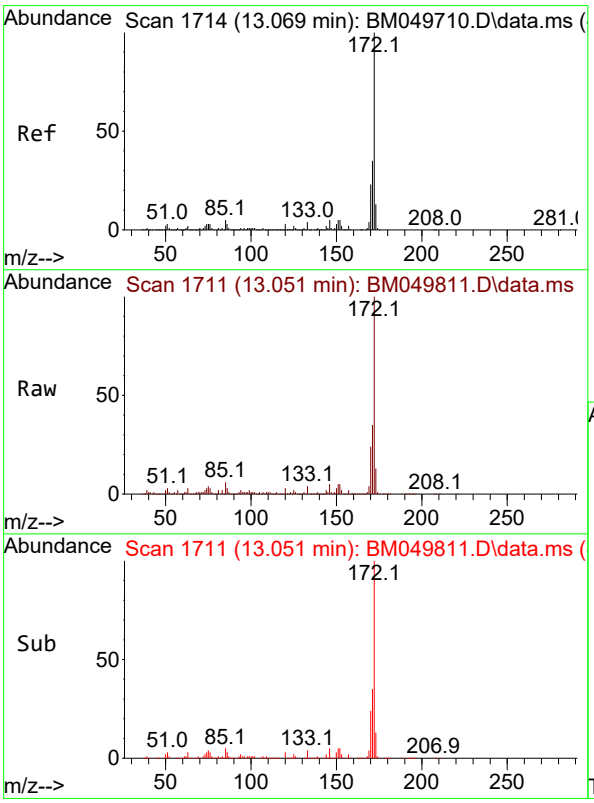
#42
2,4,6-Tribromophenol
Concen: 42.568 ng
RT: 15.915 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Instrument :
BNA_M
ClientSampleId :
PL-01-040225

Tgt Ion:330 Resp: 424871

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.4
141	35.2	27.8	41.6

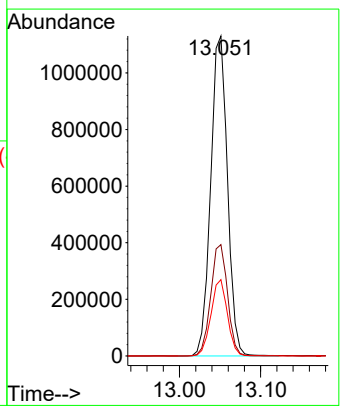


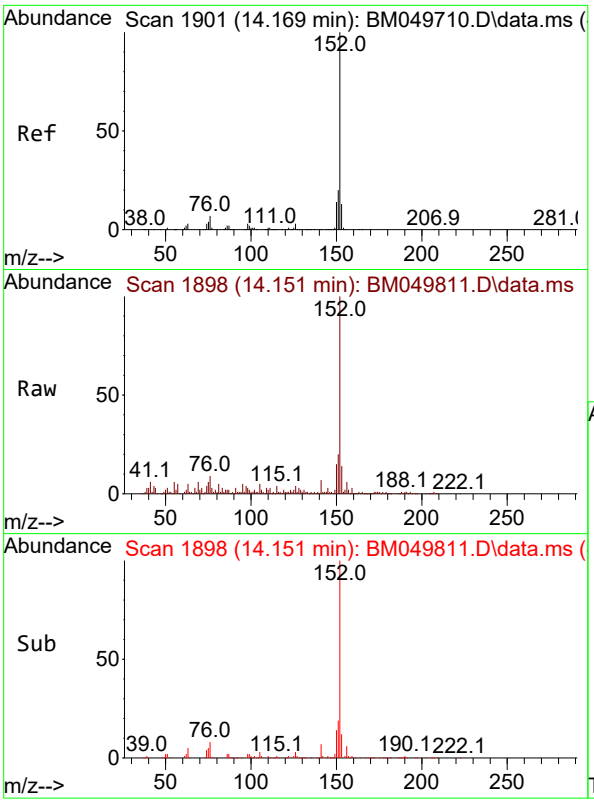


#45
2-Fluorobiphenyl
Concen: 23.738 ng
RT: 13.051 min Scan# 1711
Delta R.T. -0.018 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Tgt Ion:172 Resp: 1620123

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.9	41.9
170	23.9	18.6	28.0



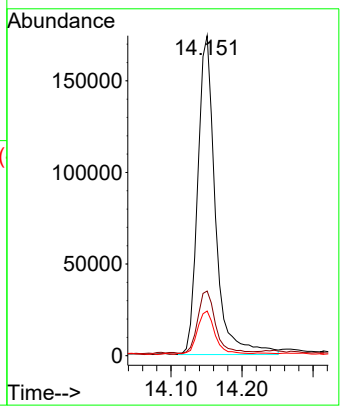


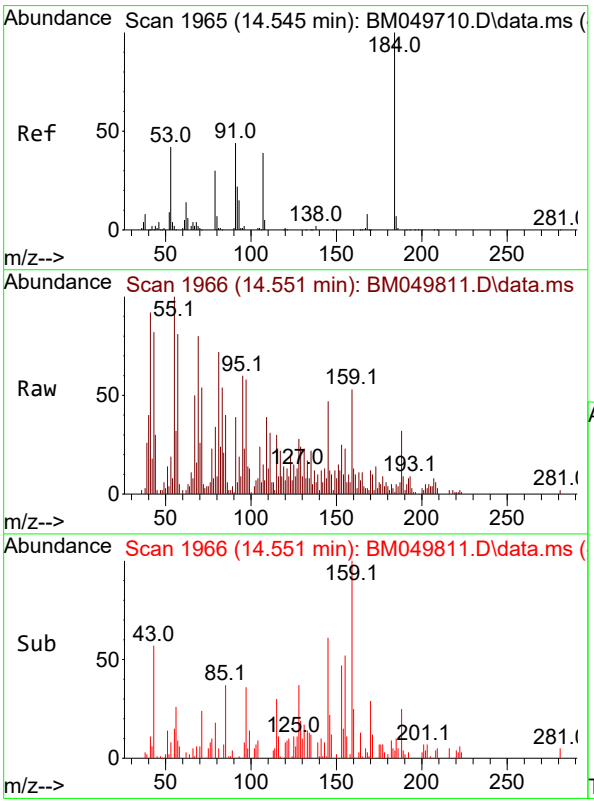
#49
Acenaphthylene
Concen: 4.202 ng
RT: 14.151 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Instrument :
BNA_M
ClientSampleId :
PL-01-040225

Tgt Ion:152 Resp: 301139

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.8
153	14.0	10.2	15.4

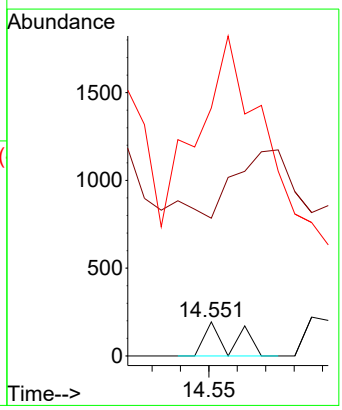


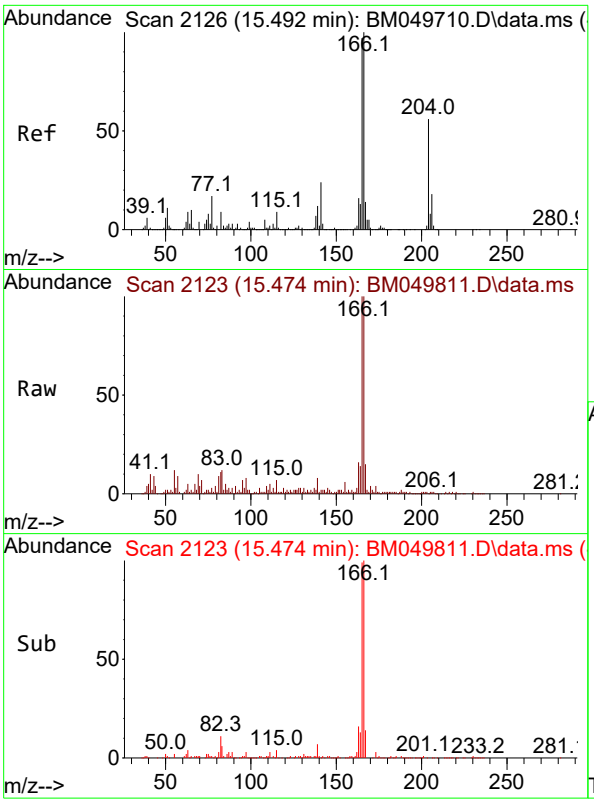


#54
2,4-Dinitrophenol
Concen: 3.212 ng
RT: 14.551 min Scan# 1966
Delta R.T. 0.006 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Tgt Ion:184 Resp: 129

Ion	Ratio	Lower	Upper
184	100		
63	404.6	47.2	70.8#
154	728.4	49.9	74.9#



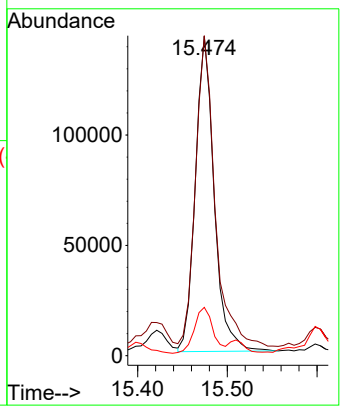


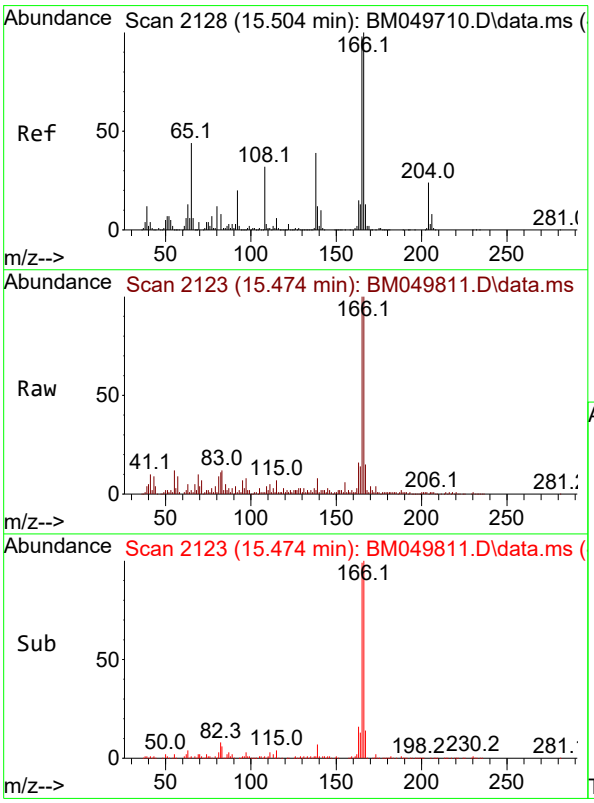
#58
Fluorene
Concen: 3.257 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Instrument :
BNA_M
ClientSampleId :
PL-01-040225

Tgt Ion:166 Resp: 207721

Ion	Ratio	Lower	Upper
166	100		
165	100.2	77.5	116.3
167	15.1	10.9	16.3

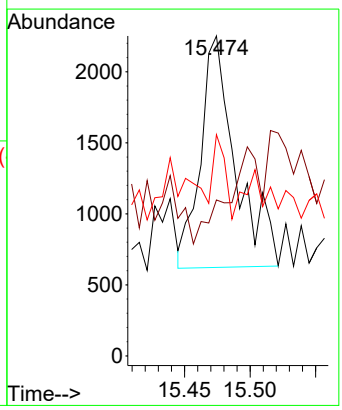


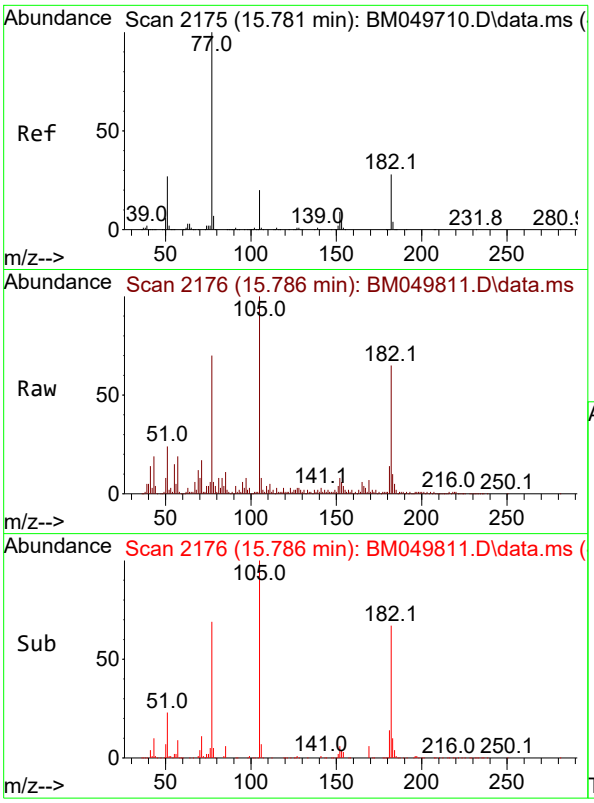


#62
4-Nitroaniline
Concen: 3.967 ng
RT: 15.474 min Scan# 2123
Delta R.T. -0.030 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Tgt Ion:138 Resp: 3034

Ion	Ratio	Lower	Upper
138	100		
92	48.8	29.8	69.8
108	69.1	61.3	101.3



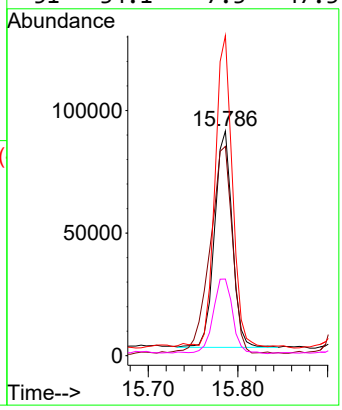


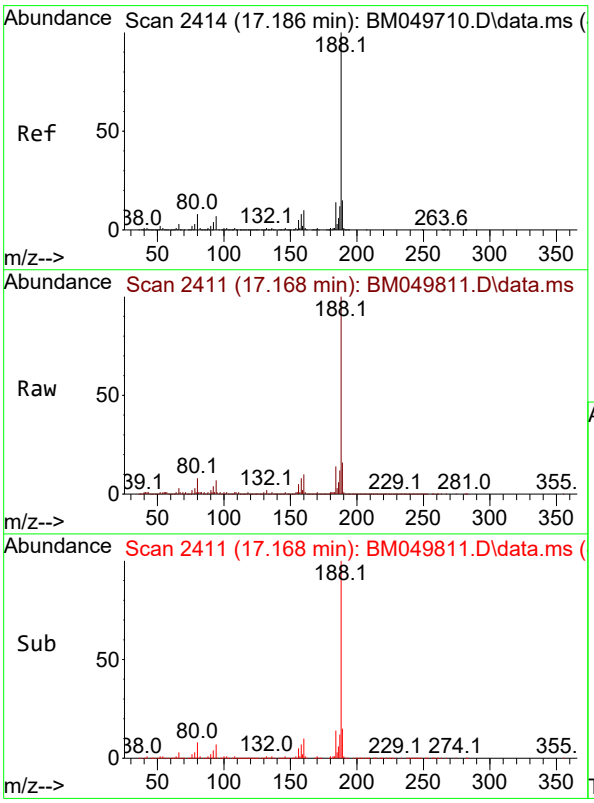
#63
Azobenzene
Concen: 2.280 ng
RT: 15.786 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Instrument :
BNA_M
ClientSampleId :
PL-01-040225

Tgt Ion: 77 Resp: 120700

Ion	Ratio	Lower	Upper
77	100		
182	93.2	8.0	48.0#
105	142.5	0.0	40.0#
51	34.1	7.3	47.3

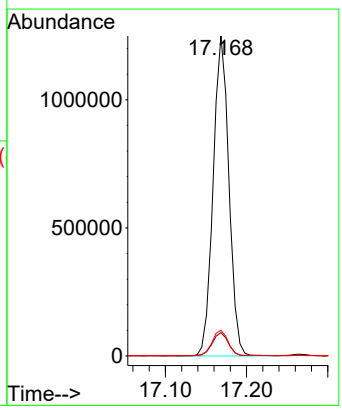


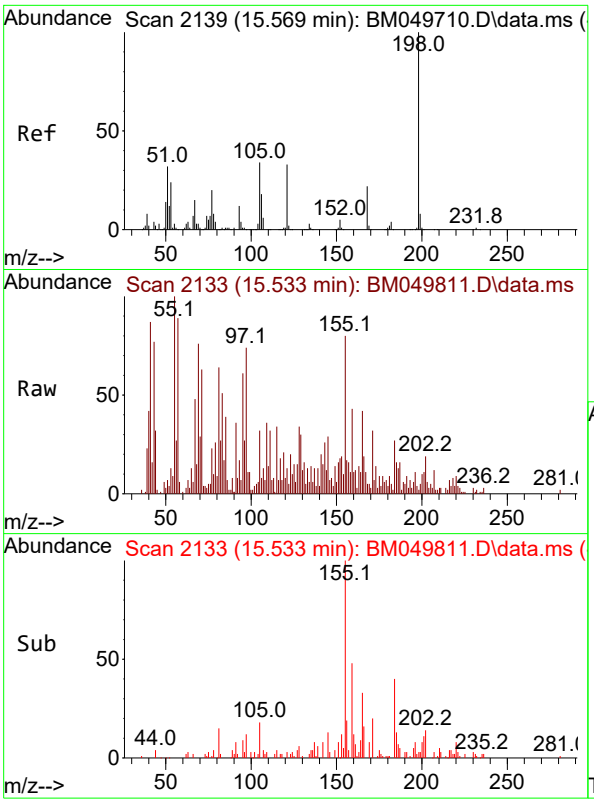


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.168 min Scan# 2411
Delta R.T. -0.018 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Tgt Ion:188 Resp: 1681670

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.8	8.6
80	8.1	6.3	9.5



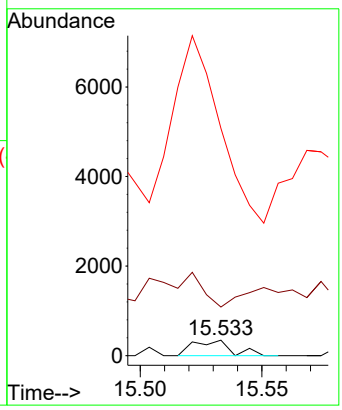


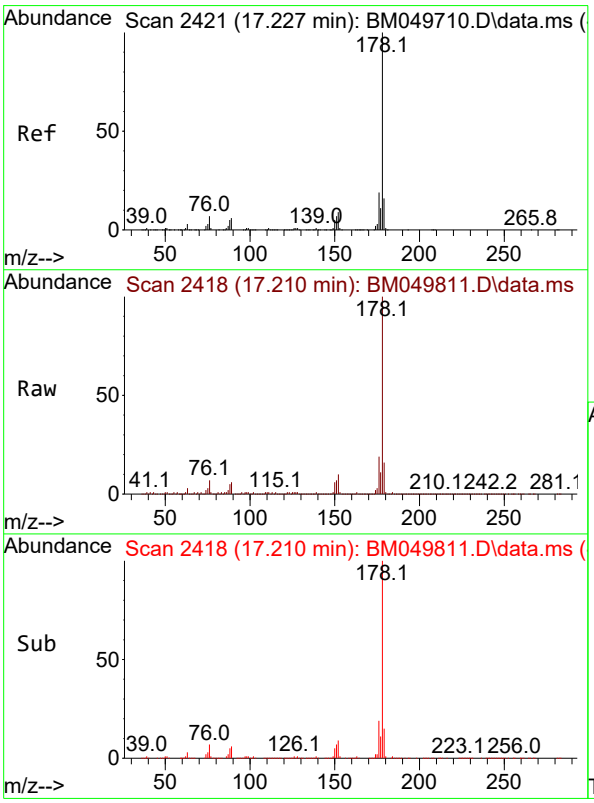
#65
4,6-Dinitro-2-methylphenol
Concen: 3.063 ng
RT: 15.533 min Scan# 2
Delta R.T. -0.036 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Instrument :
BNA_M
ClientSampleId :
PL-01-040225

Tgt Ion:198 Resp: 376

Ion	Ratio	Lower	Upper
198	100		
51	314.2	13.8	53.8#
105	1467.1	14.0	54.0#

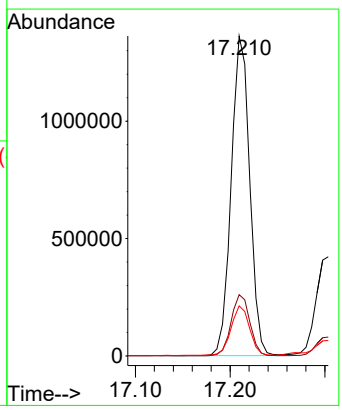


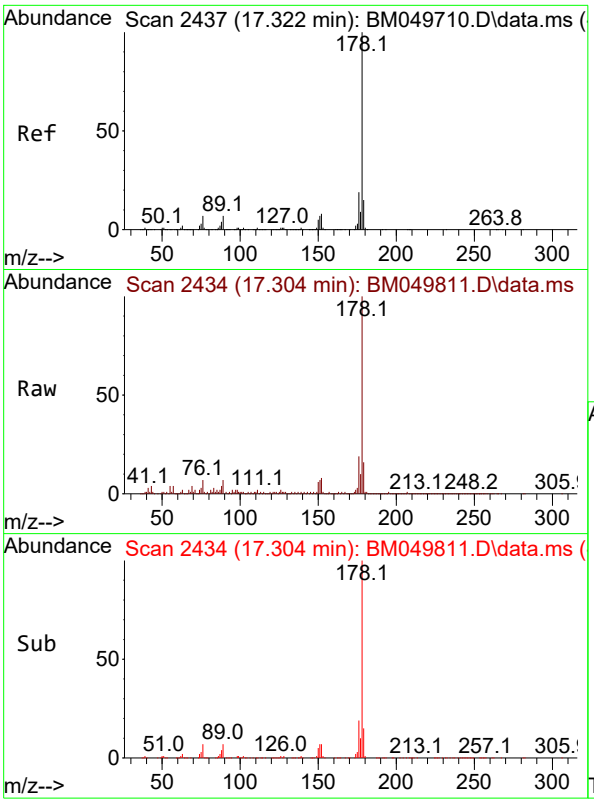


#71
Phenanthrene
Concen: 19.749 ng
RT: 17.210 min Scan# 2418
Delta R.T. -0.018 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Tgt Ion:178 Resp: 1844140

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.7	12.5	18.7



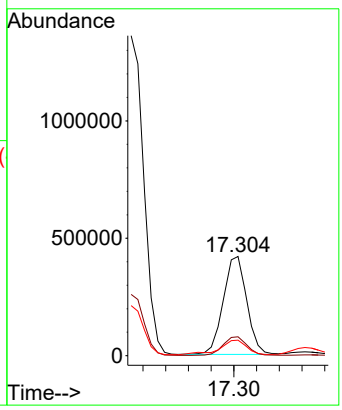


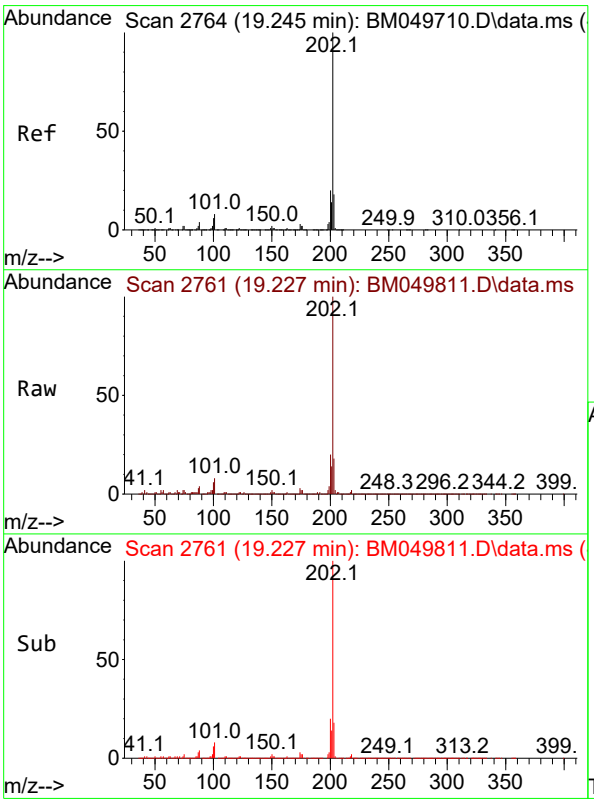
#72
Anthracene
Concen: 6.635 ng
RT: 17.304 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Instrument :
BNA_M
ClientSampleId :
PL-01-040225

Tgt Ion:178 Resp: 600039

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.1	22.7
179	15.7	12.4	18.6

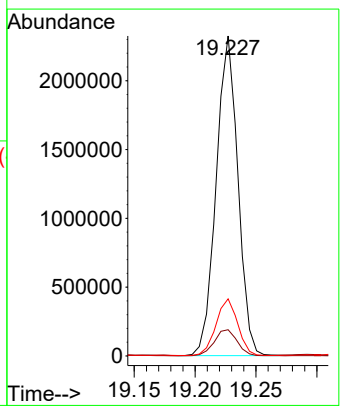


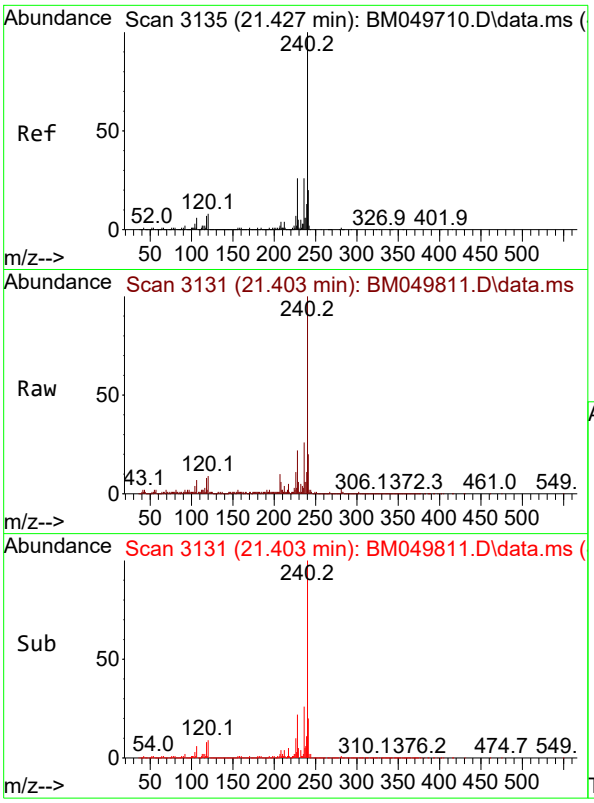


#75
Fluoranthene
Concen: 26.854 ng
RT: 19.227 min Scan# 2761
Delta R.T. -0.018 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Tgt Ion:202 Resp: 2887014

Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	27.8
203	17.8	0.0	37.6



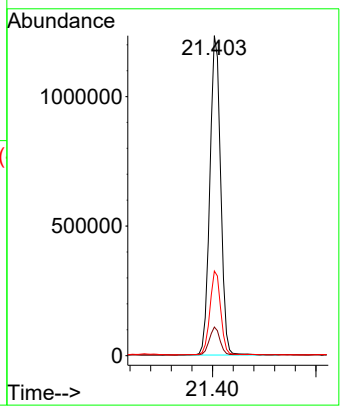


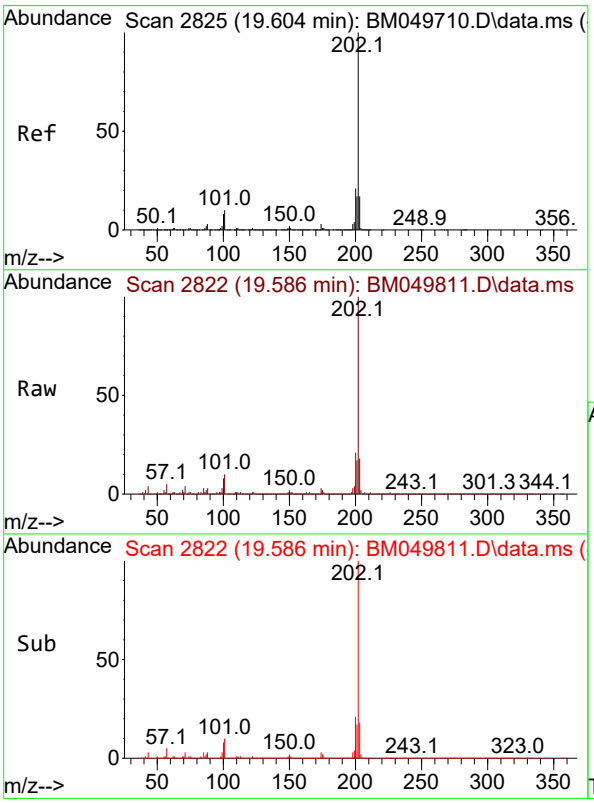
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3
Delta R.T. -0.024 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Instrument :
BNA_M
ClientSampleId :
PL-01-040225

Tgt Ion:240 Resp: 1784760

Ion	Ratio	Lower	Upper
240	100		
120	9.0	6.5	9.7
236	26.5	20.7	31.1

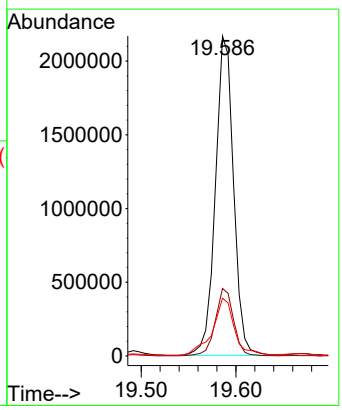


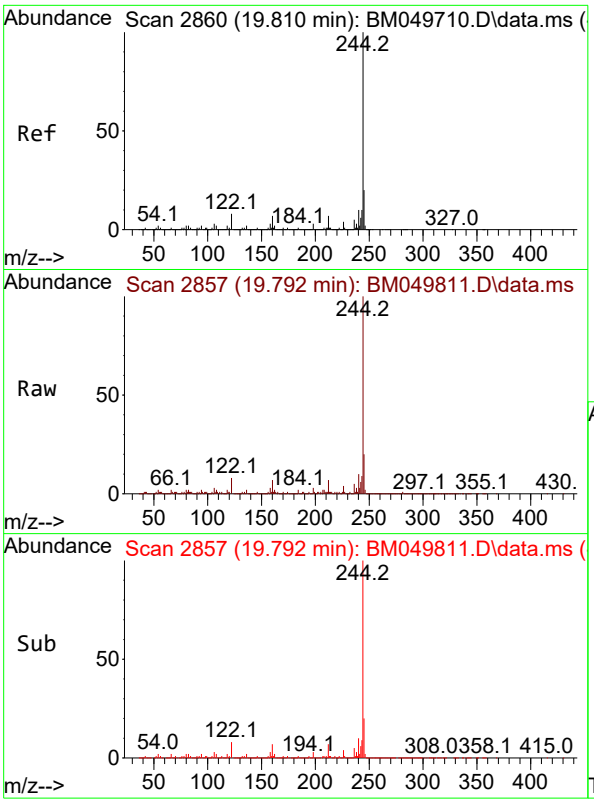


#78
Pyrene
Concen: 23.182 ng
RT: 19.586 min Scan# 2822
Delta R.T. -0.018 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Tgt Ion:202 Resp: 2890676

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	18.0	14.0	21.0



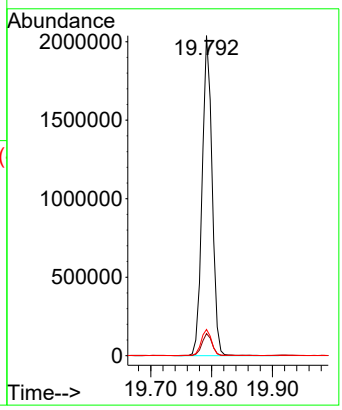


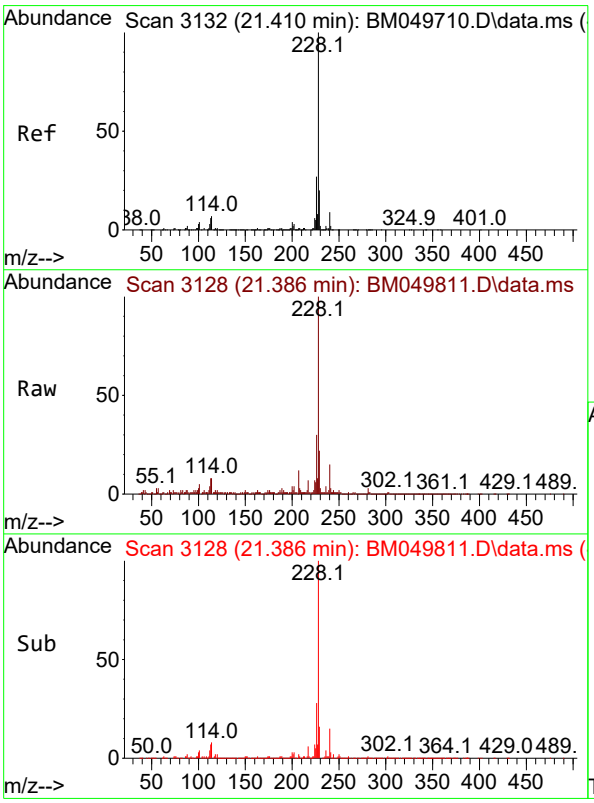
#79
Terphenyl-d14
Concen: 21.786 ng
RT: 19.792 min Scan# 2
Delta R.T. -0.018 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Instrument :
BNA_M
ClientSampleId :
PL-01-040225

Tgt Ion:244 Resp: 2307385

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	8.2	6.0	9.0

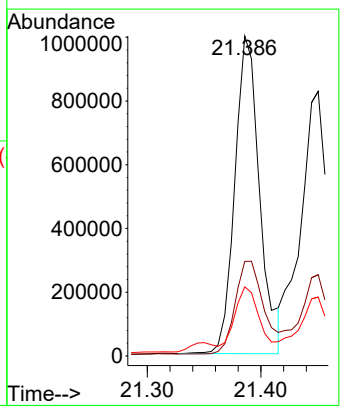


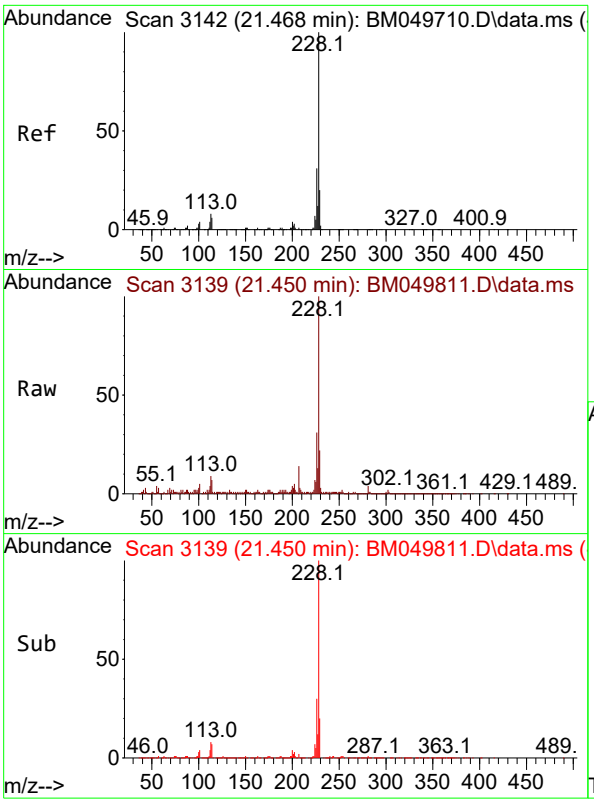


#81
Benzo(a)anthracene
Concen: 12.674 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.024 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Tgt Ion:228 Resp: 1510919

Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.0	33.0
229	21.6	15.8	23.8



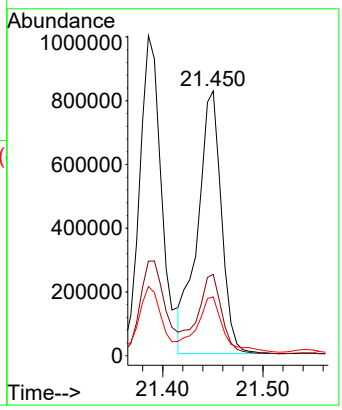


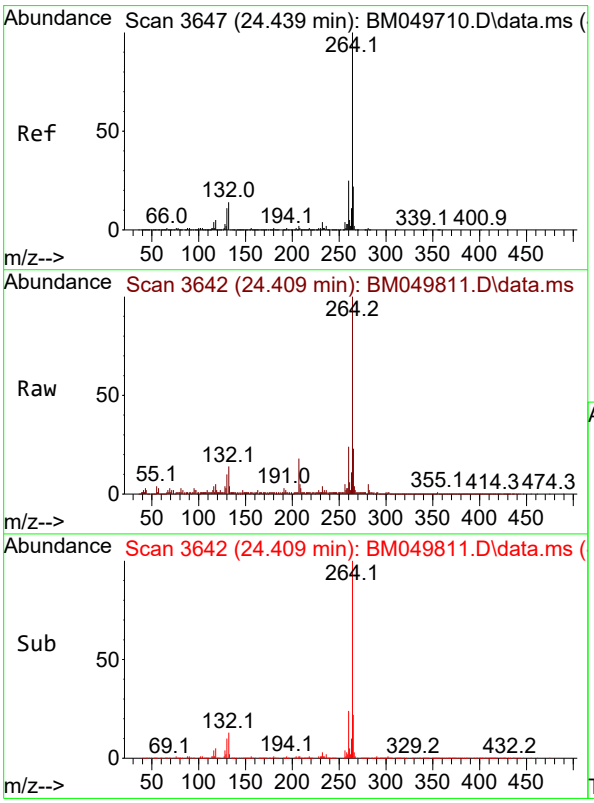
#83
Chrysene
Concen: 12.086 ng
RT: 21.450 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Instrument :
BNA_M
ClientSampleId :
PL-01-040225

Tgt Ion:228 Resp: 1365768

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.5	36.7
229	22.3	15.8	23.6

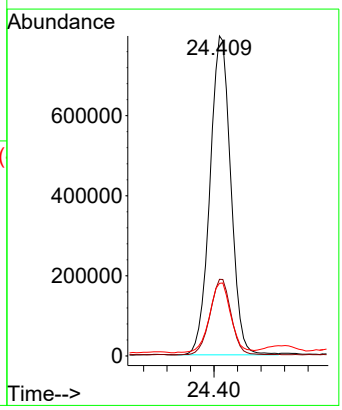


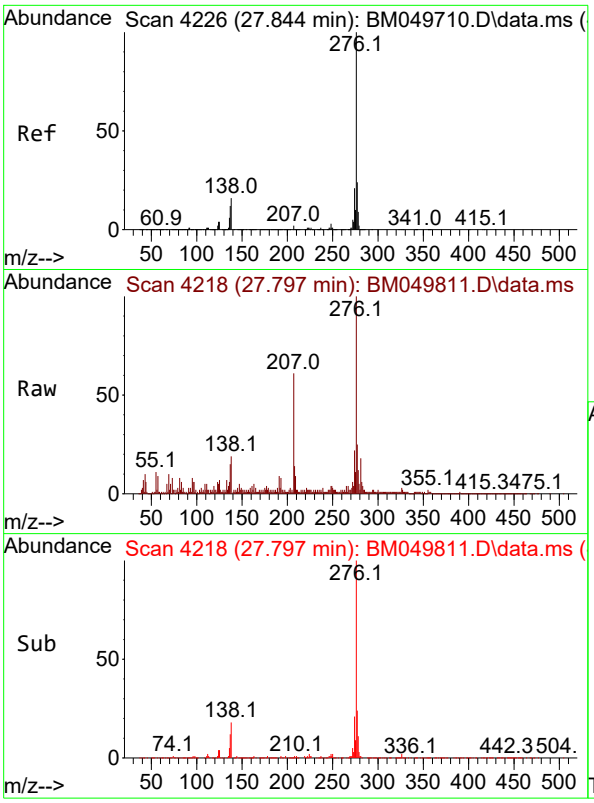


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3642
Delta R.T. -0.030 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Tgt Ion:264 Resp: 1958208

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.6	29.4
265	22.7	18.2	27.2



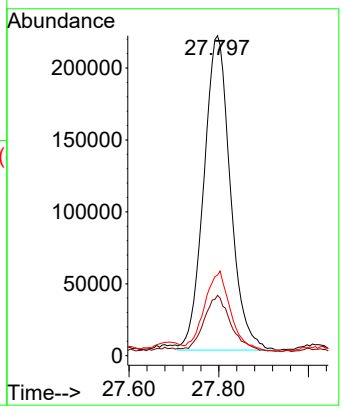


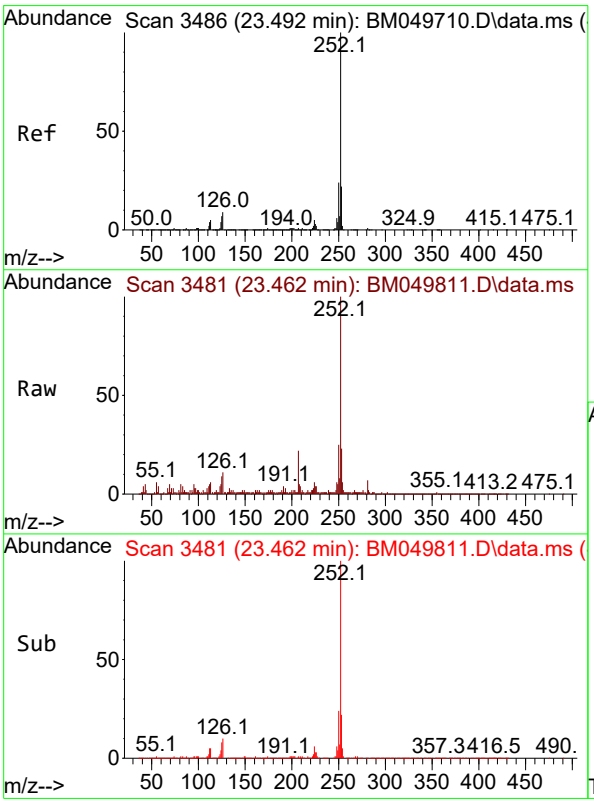
#87
Indeno(1,2,3-cd)pyrene
Concen: 6.374 ng
RT: 27.797 min Scan# 4
Delta R.T. -0.047 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Instrument :
BNA_M
ClientSampleId :
PL-01-040225

Tgt Ion:276 Resp: 898338

Ion	Ratio	Lower	Upper
276	100		
138	18.5	16.3	24.5
277	25.2	19.9	29.9

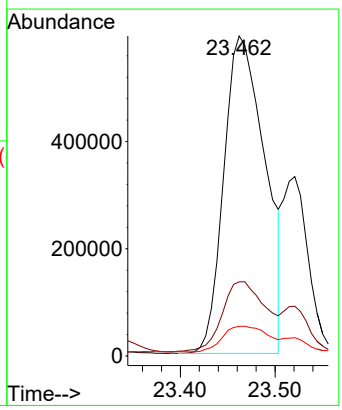


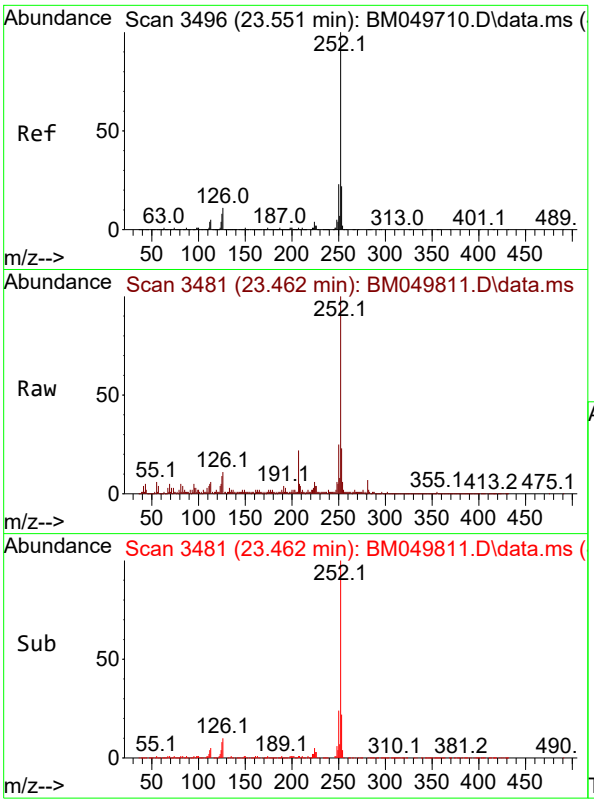


#88
Benzo(b)fluoranthene
Concen: 13.559 ng
RT: 23.462 min Scan# 3481
Delta R.T. -0.030 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Tgt Ion:252 Resp: 1788304

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	9.3	5.9	8.9#



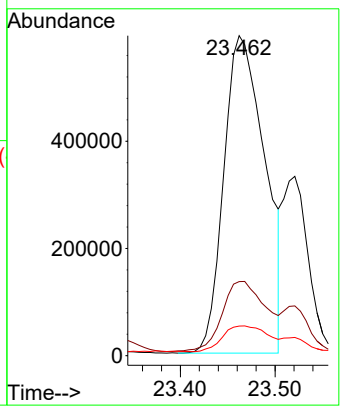


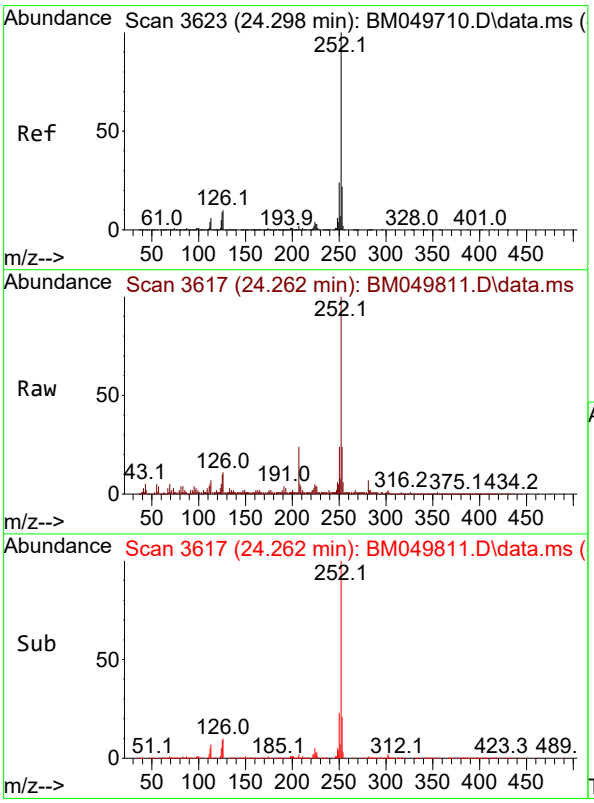
#89
Benzo(k)fluoranthene
Concen: 13.779 ng
RT: 23.462 min Scan# 34
Delta R.T. -0.089 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Instrument :
BNA_M
ClientSampleId :
PL-01-040225

Tgt Ion:252 Resp: 1788304

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.3	25.9
125	9.3	6.2	9.2#

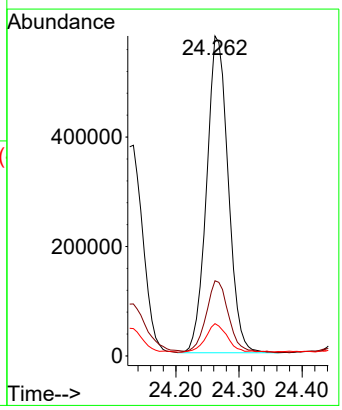


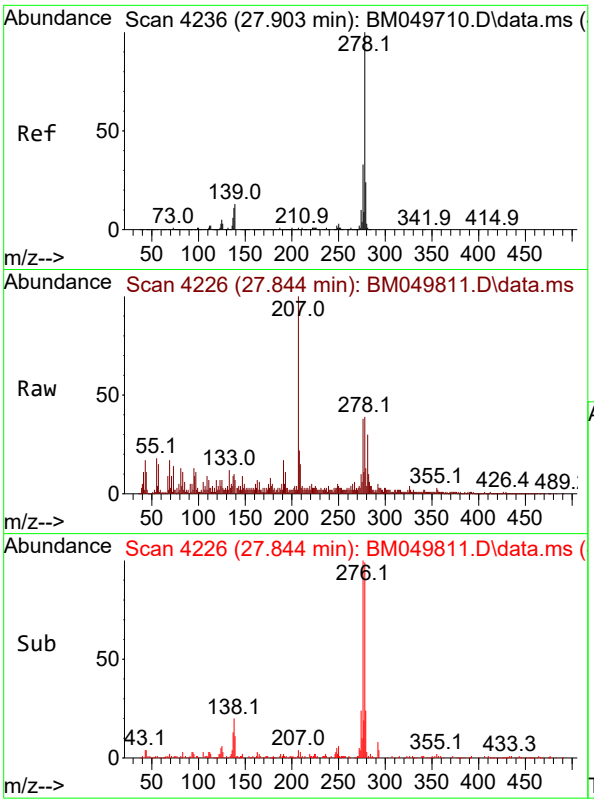


#90
Benzo(a)pyrene
Concen: 12.402 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.036 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Tgt Ion:252 Resp: 1373969

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.2	25.8
125	10.1	7.0	10.6



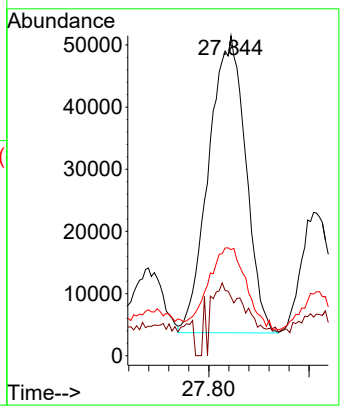


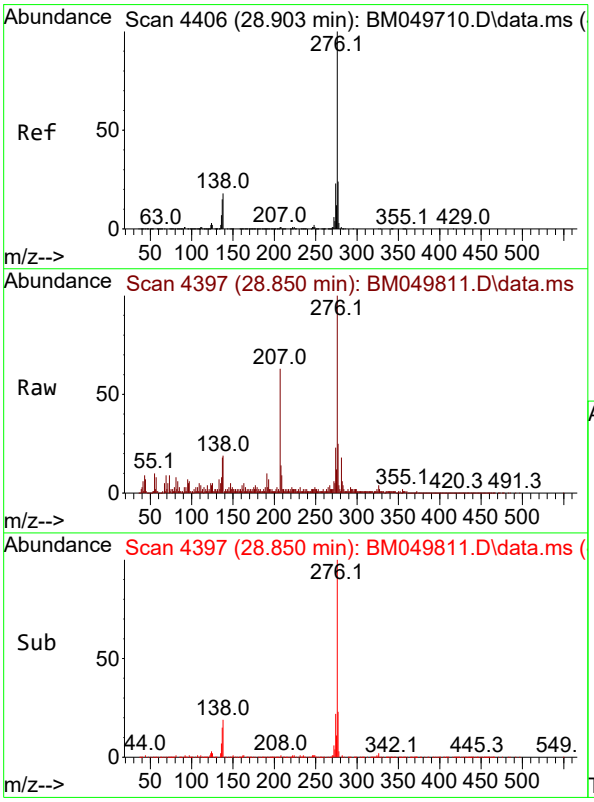
#91
Dibenzo(a,h)anthracene
Concen: 2.082 ng
RT: 27.844 min Scan# 4
Delta R.T. -0.059 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Instrument :
BNA_M
ClientSampleId :
PL-01-040225

Tgt Ion:278 Resp: 244501

Ion	Ratio	Lower	Upper
278	100		
139	18.3	10.1	15.1#
279	33.2	19.1	28.7#





#92
Benzo(g,h,i)perylene
Concen: 7.667 ng
RT: 28.850 min Scan# 4397
Delta R.T. -0.053 min
Lab File: BM049811.D
Acq: 03 Apr 2025 18:32

Tgt Ion:276 Resp: 906859

Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.8	28.2
138	19.5	14.0	21.0