Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010625\
Data File : BF141074.D
Acq On : 06 Jan 2025 14:26
Operator : RC/JU
Sample : Q1009-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-1-03-2025

Quant Time: Jan 06 14:49:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.828	152	267369	20.000	ng		0.00
21) Naphthalene-d8	8.110	136	977250	20.000	ng		0.00
39) Acenaphthene-d10	9.857	164	435336	20.000	ng		0.00
64) Phenanthrene-d10	11.345	188	631500	20.000	ng		0.00
76) Chrysene-d12	13.986	240	509014	20.000	ng		0.00
86) Perylene-d12	15.445	264	391352	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.440	112	1620209	91.344	ng		0.00
7) Phenol-d6	6.445	99	1991569	87.160	ng		0.00
23) Nitrobenzene-d5	7.386	82	1227134	80.337	ng		0.00
42) 2,4,6-Tribromophenol	10.645	330	391788	92.617	ng		0.00
45) 2-Fluorobiphenyl	9.180	172	1877162	68.700	ng		0.00
79) Terphenyl-d14	12.933	244	1746662	56.996	ng		0.00
Target Compounds							Qvalue
38) 1-Methylnaphthalene	8.916	142	65187	2.013	ng		95
58) Fluorene	10.404	166	62974	2.297	ng	#	89
71) Phenanthrene	11.369	178	483088	14.535	ng		99
72) Anthracene	11.422	178	129912	3.989	ng		96
75) Fluoranthene	12.557	202	509153	14.125	ng		98
78) Pyrene	12.786	202	676449	15.195	ng		99
81) Benzo(a)anthracene	13.974	228	286310	8.071	ng		95
83) Chrysene	14.010	228	241093m	7.539	ng		
87) Indeno(1,2,3-cd)pyrene	16.892	276	67707	2.746	ng		96
88) Benzo(b)fluoranthene	15.021	252	191783m	7.026	ng		
89) Benzo(k)fluoranthene	15.039	252	57070m	2.668	ng		
90) Benzo(a)pyrene	15.380	252	143594	6.778	ng	#	90
92) Benzo(g,h,i)perylene	17.333	276	67056	3.235	ng	#	93

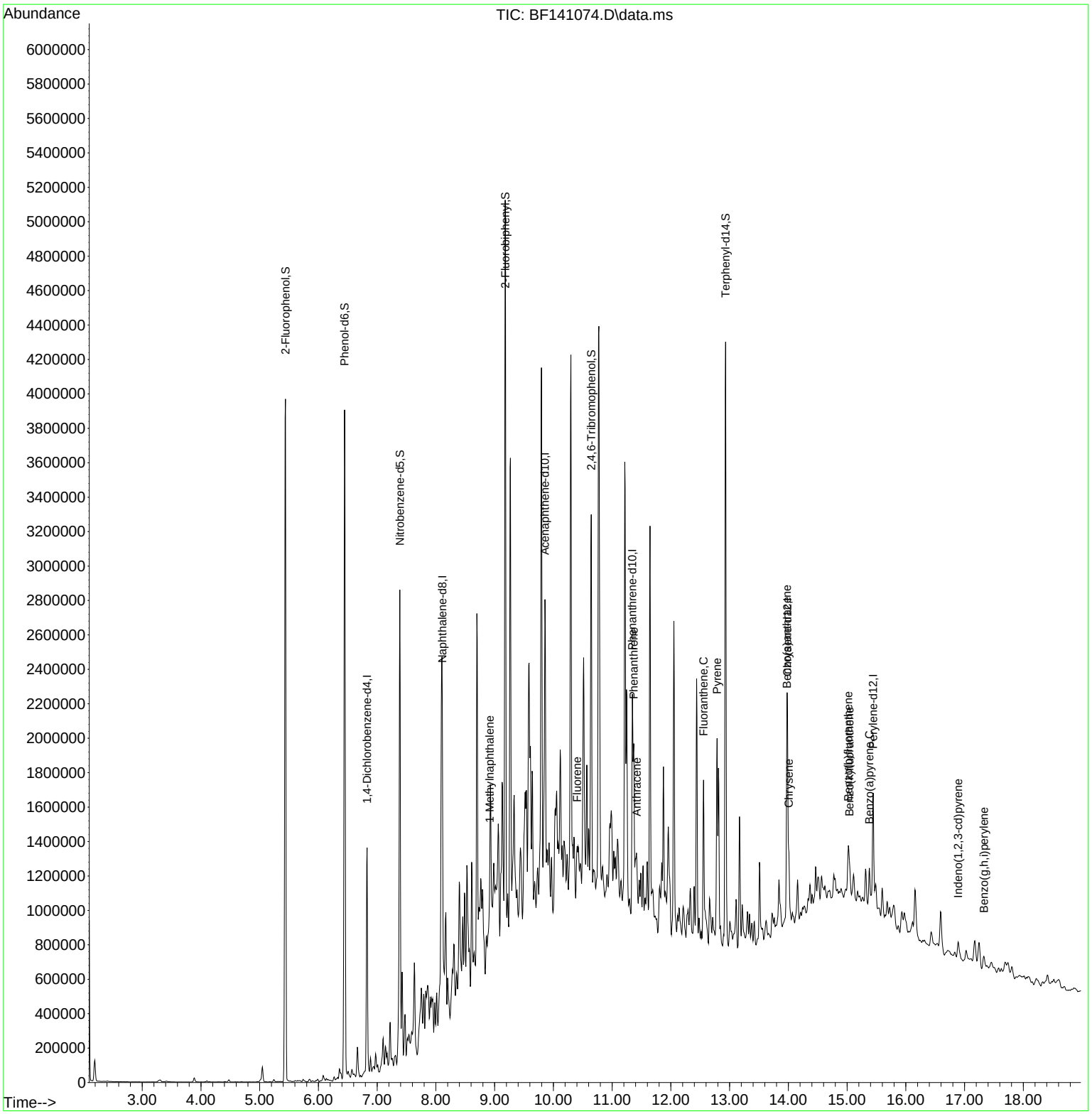
(#) = qualifier out of range (m) = manual integration (+) = signals summed

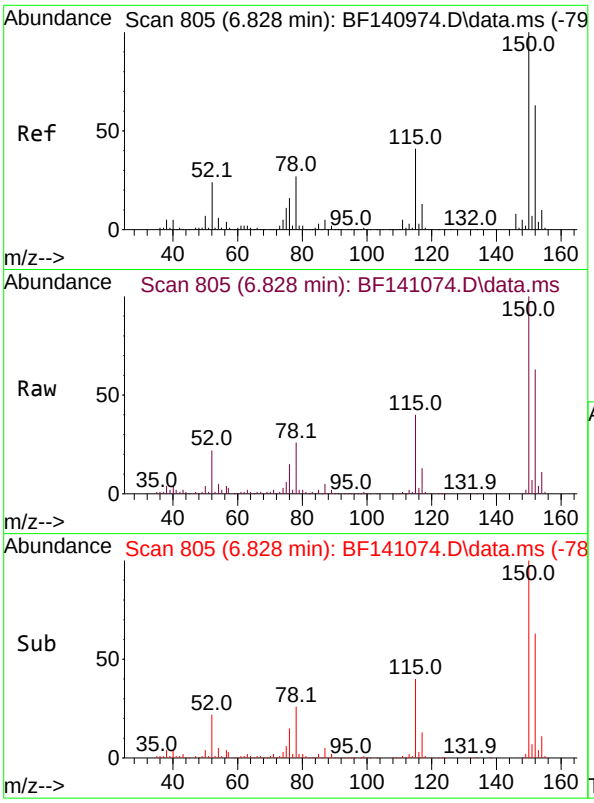
Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010625\
Data File : BF141074.D
Acq On : 06 Jan 2025 14:26
Operator : RC/JU
Sample : Q1009-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-1-03-2025

Quant Time: Jan 06 14:49:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



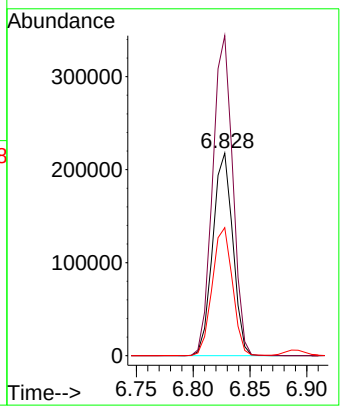


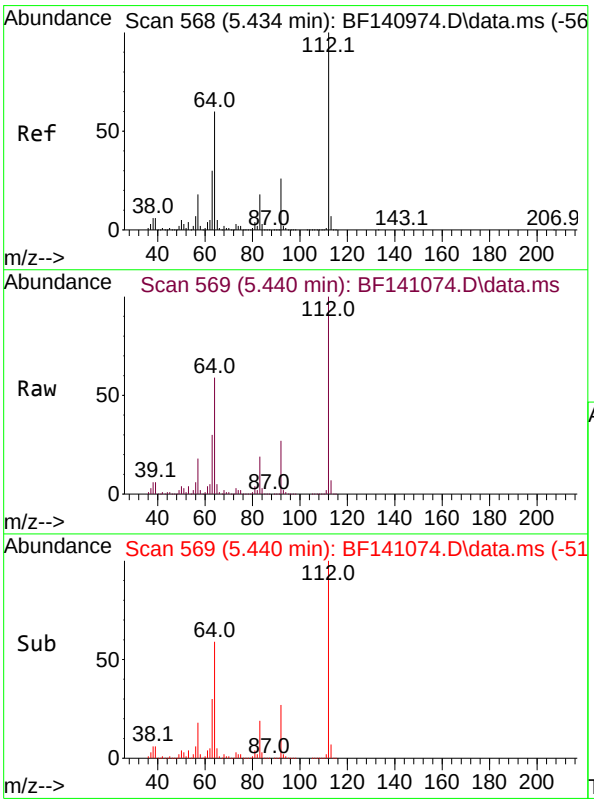
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Instrument :
BNA_F
ClientSampleId :
SU-03-1-03-2025

Tgt Ion:152 Resp: 267369

Ion	Ratio	Lower	Upper
152	100		
150	157.9	127.0	190.6
115	63.2	51.7	77.5

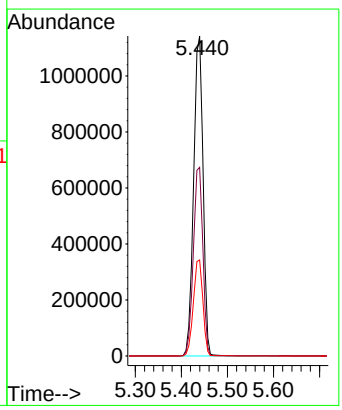


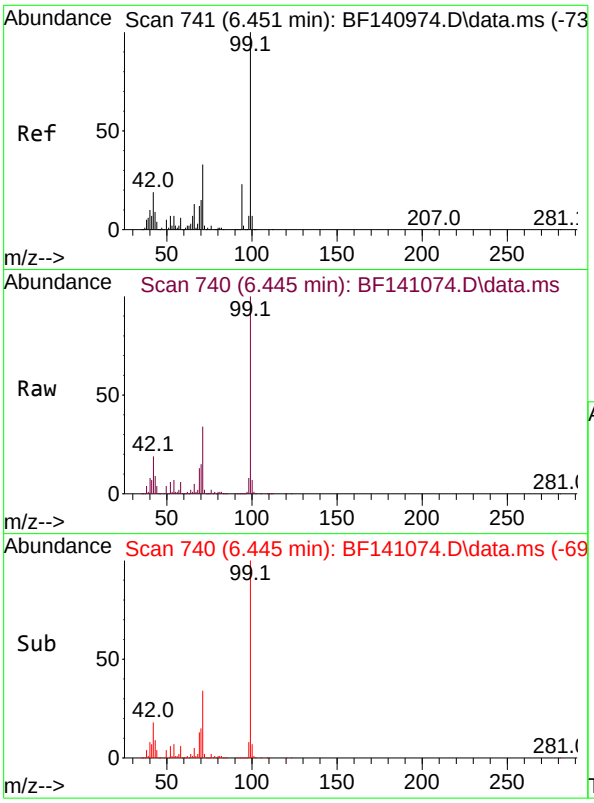


#5
2-Fluorophenol
Concen: 91.344 ng
RT: 5.440 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Tgt Ion:112 Resp: 1620209

Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.7	71.5
63	30.0	24.2	36.2



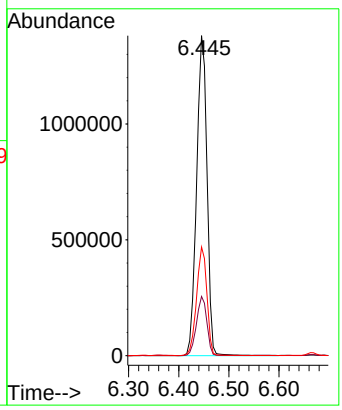


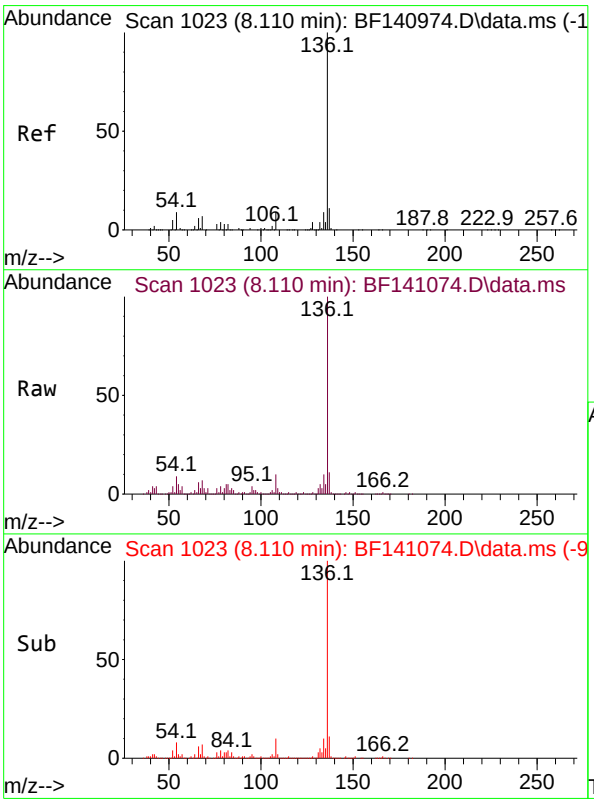
#7
Phenol-d6
Concen: 87.160 ng
RT: 6.445 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Instrument :
BNA_F
ClientSampleId :
SU-03-1-03-2025

Tgt Ion: 99 Resp: 1991569

Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.0	22.4
71	33.9	26.2	39.2

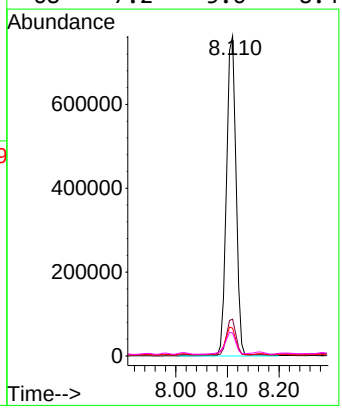


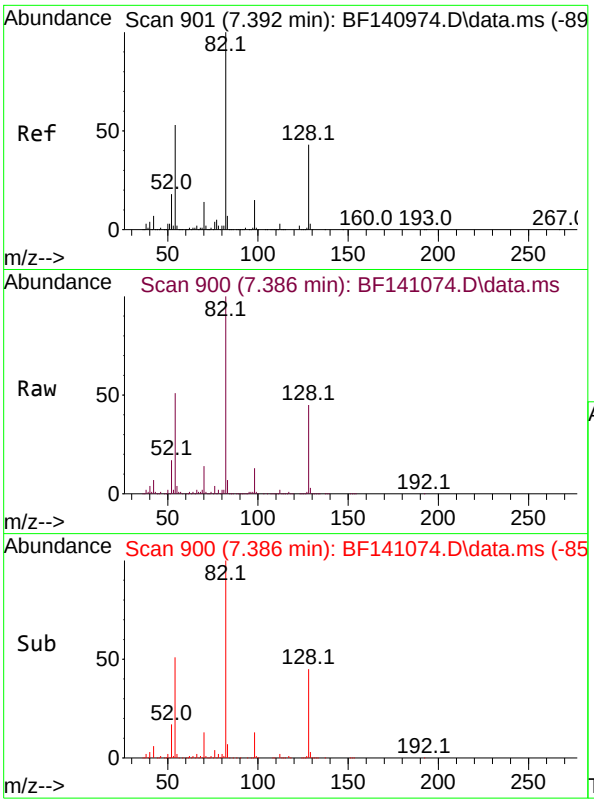


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Tgt Ion:136 Resp: 977250

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.4
54	8.7	7.6	11.4
68	7.2	5.6	8.4



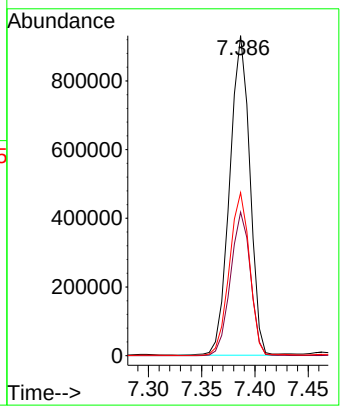


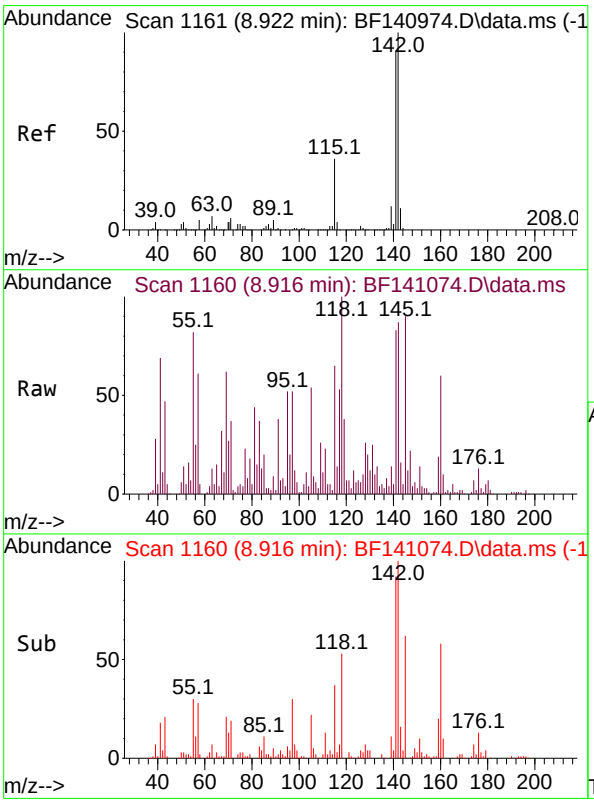
#23
Nitrobenzene-d5
Concen: 80.337 ng
RT: 7.386 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Instrument :
BNA_F
ClientSampleId :
SU-03-1-03-2025

Tgt Ion: 82 Resp: 1227134

Ion	Ratio	Lower	Upper
82	100		
128	44.8	34.4	51.6
54	50.9	42.4	63.6

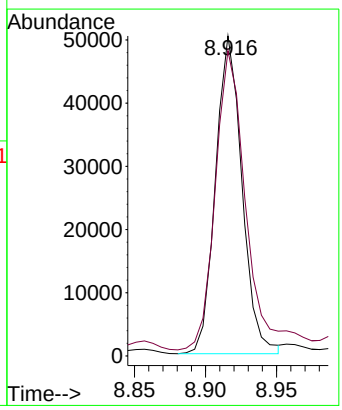


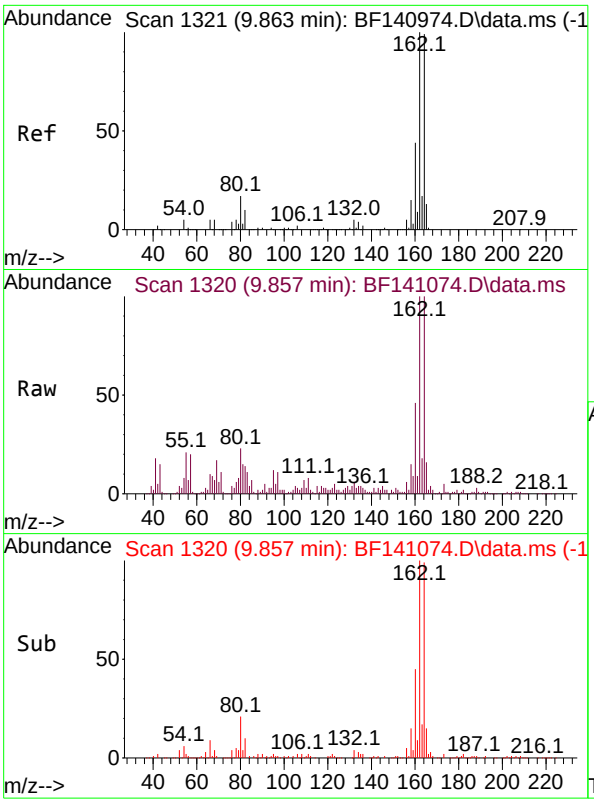


#38
1-Methylnaphthalene
Concen: 2.013 ng
RT: 8.916 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Tgt Ion:142 Resp: 65187

Ion	Ratio	Lower	Upper
142	100		
141	95.4	72.7	109.1



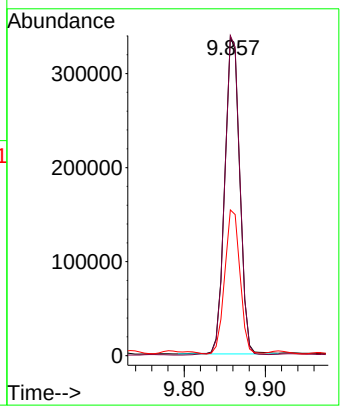


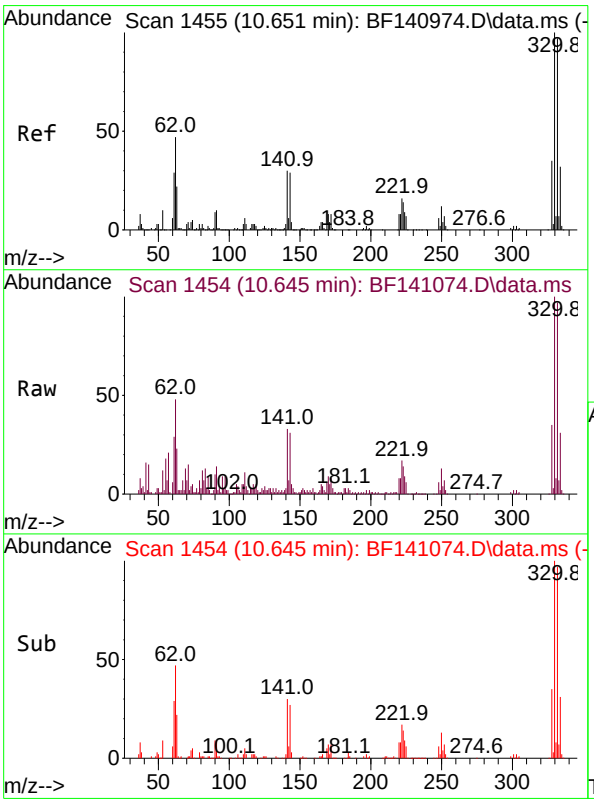
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Instrument :
BNA_F
ClientSampleId :
SU-03-1-03-2025

Tgt Ion:164 Resp: 435336

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.6	120.8
160	45.7	35.7	53.5

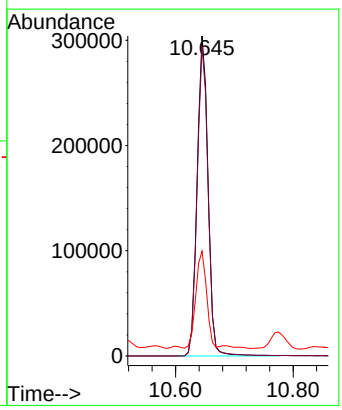


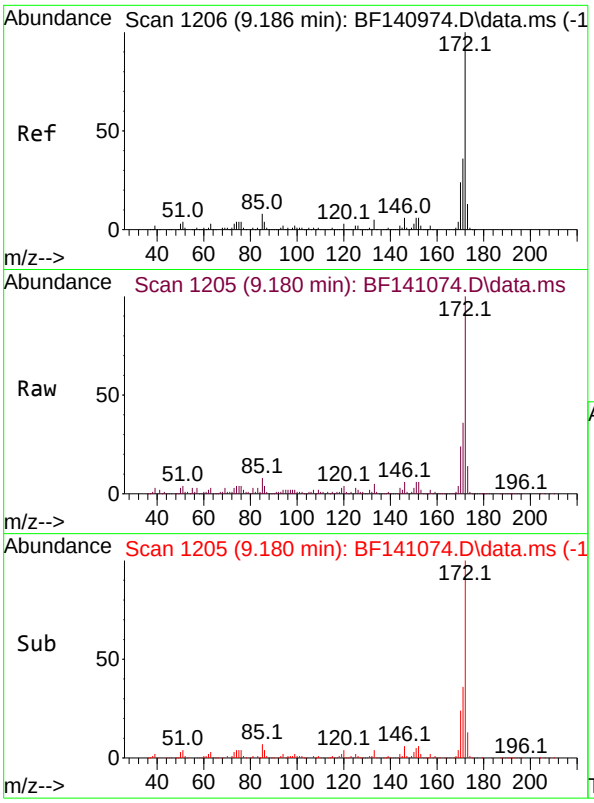


#42
2,4,6-Tribromophenol
Concen: 92.617 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Tgt Ion:330 Resp: 391788

Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.0	117.0
141	29.8	26.4	39.6



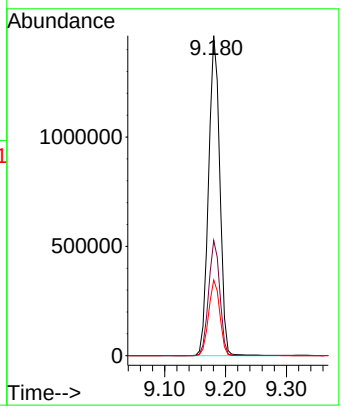


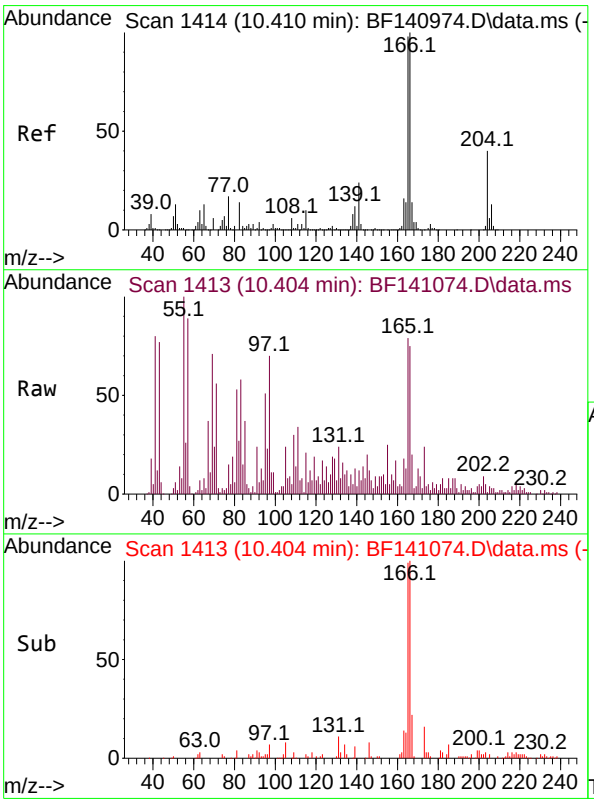
#45
2-Fluorobiphenyl
Concen: 68.700 ng
RT: 9.180 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Instrument :
BNA_F
ClientSampleId :
SU-03-1-03-2025

Tgt Ion:172 Resp: 1877162

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.4
170	23.6	19.6	29.4

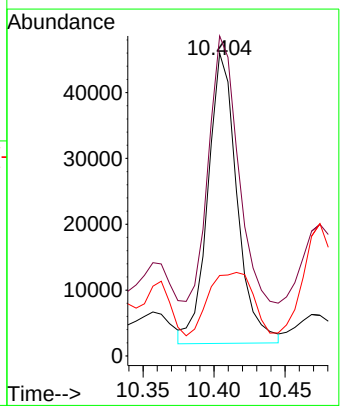


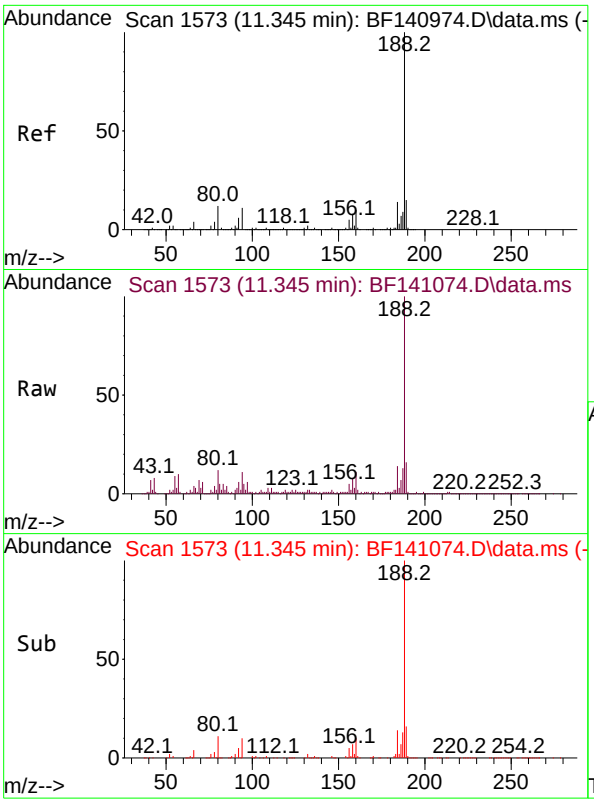


#58
Fluorene
Concen: 2.297 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Tgt Ion:166 Resp: 62974

Ion	Ratio	Lower	Upper
166	100		
165	105.7	78.3	117.5
167	26.6	10.9	16.3#



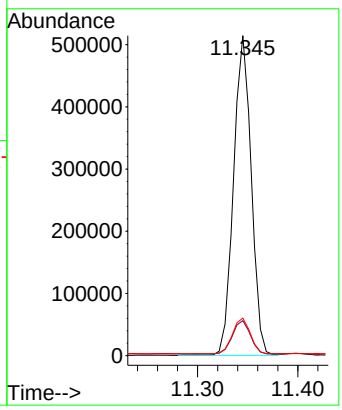


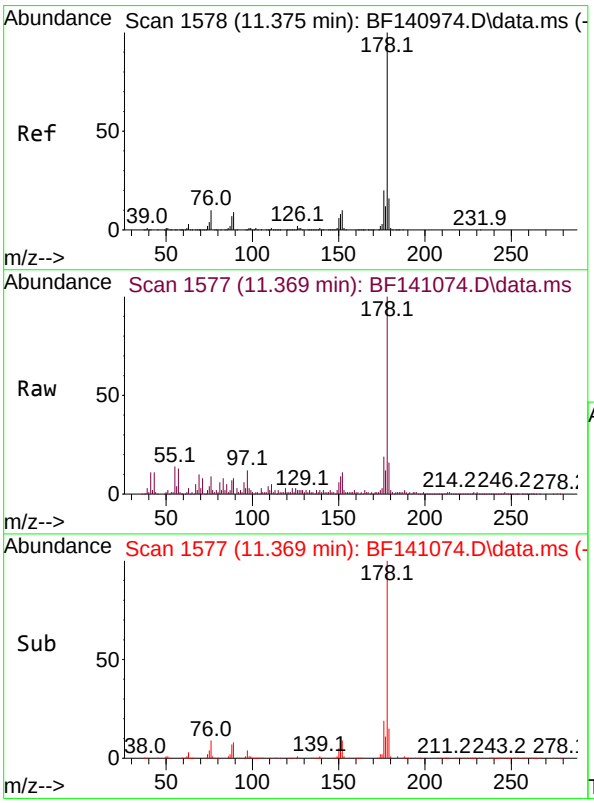
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Instrument :
BNA_F
ClientSampleId :
SU-03-1-03-2025

Tgt Ion:188 Resp: 631500

Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.0	13.6
80	11.8	9.8	14.6

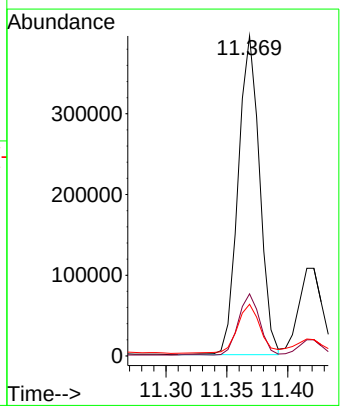


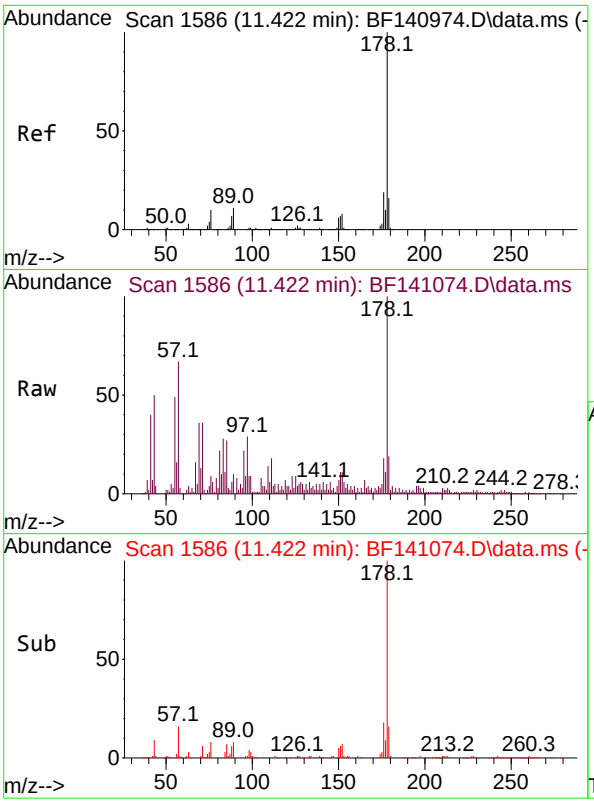


#71
Phenanthrene
Concen: 14.535 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Tgt Ion:178 Resp: 483088

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.6
179	16.2	12.6	19.0



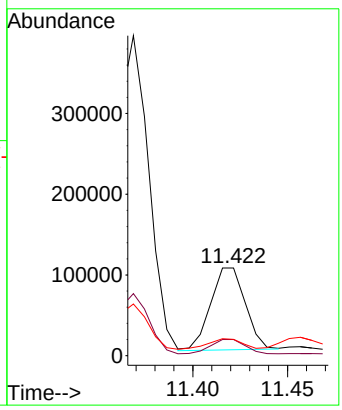


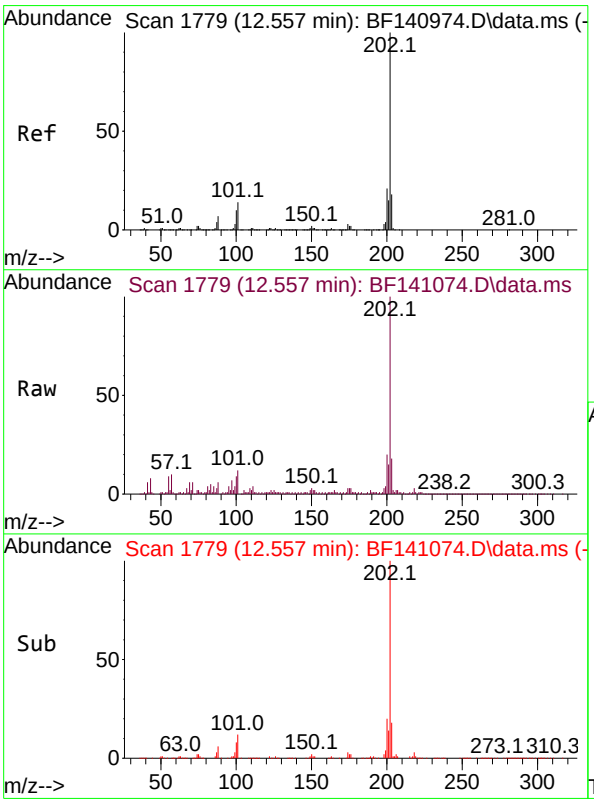
#72
Anthracene
Concen: 3.989 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Instrument :
BNA_F
ClientSampleId :
SU-03-1-03-2025

Tgt Ion:178 Resp: 129912

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.3	22.9
179	18.6	12.9	19.3

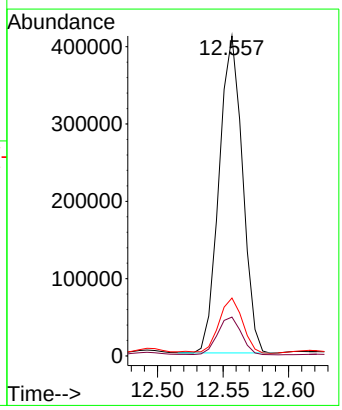


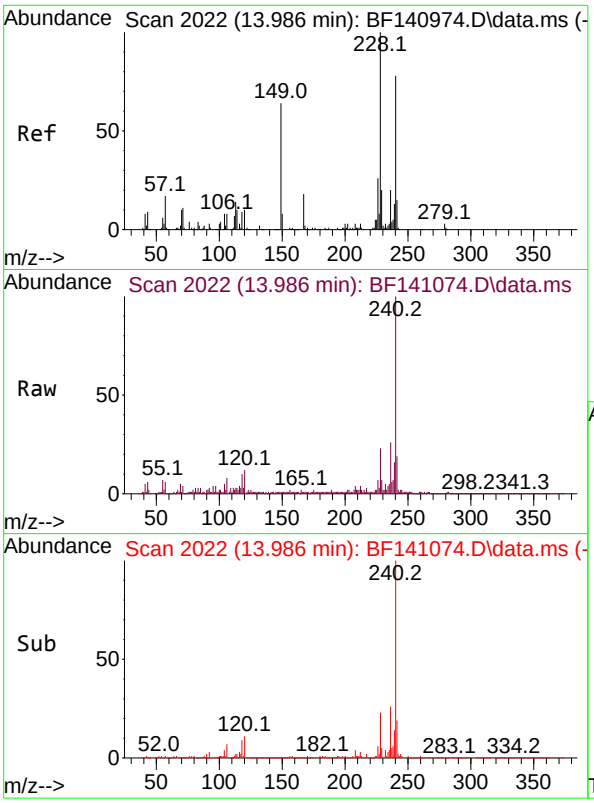


#75
Fluoranthene
Concen: 14.125 ng
RT: 12.557 min Scan# 1779
Delta R.T. -0.000 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Tgt Ion:202 Resp: 509153

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	33.7
203	18.1	0.0	38.1



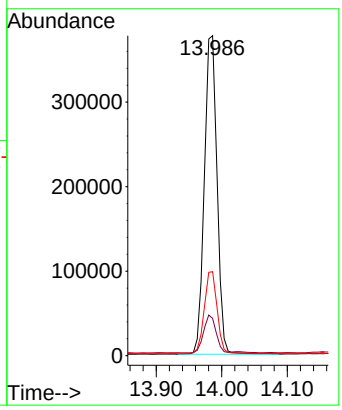


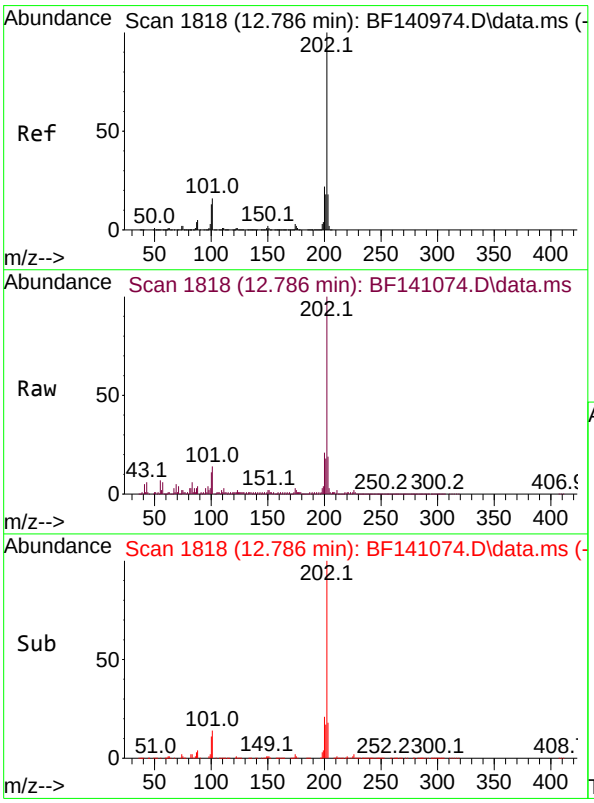
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Instrument :
BNA_F
ClientSampleId :
SU-03-1-03-2025

Tgt Ion:240 Resp: 509014

Ion	Ratio	Lower	Upper
240	100		
120	11.7	10.7	16.1
236	26.3	20.6	31.0

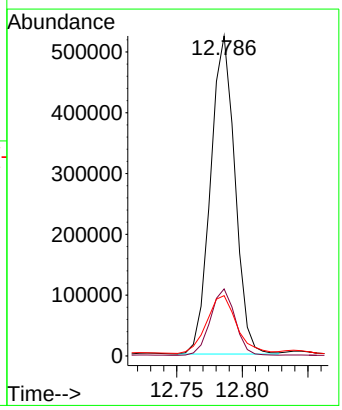


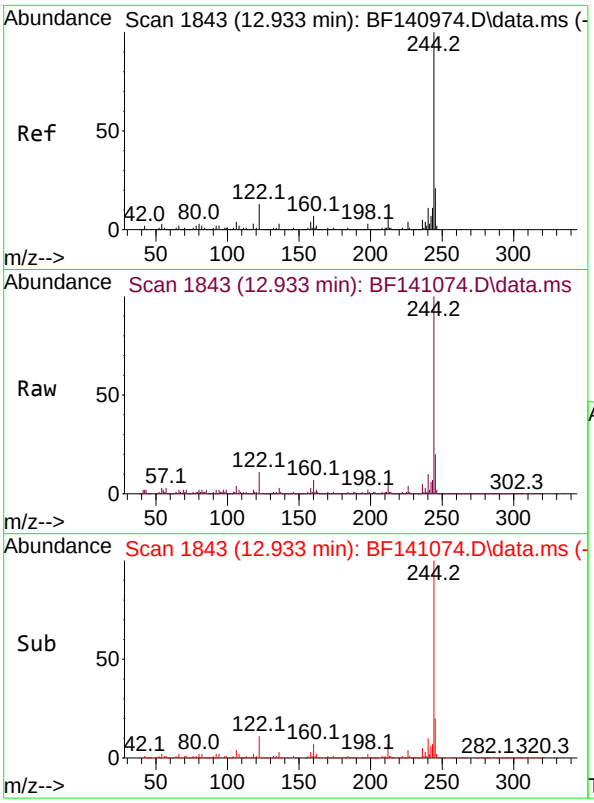


#78
Pyrene
Concen: 15.195 ng
RT: 12.786 min Scan# 1818
Delta R.T. -0.000 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Tgt Ion:202 Resp: 676449

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.3	25.9
203	18.9	14.6	21.8



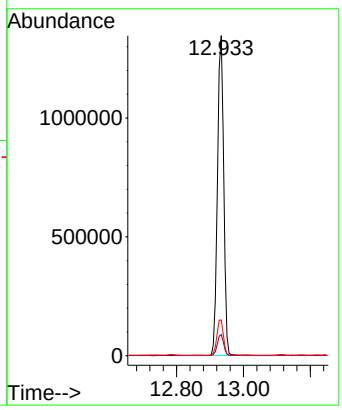


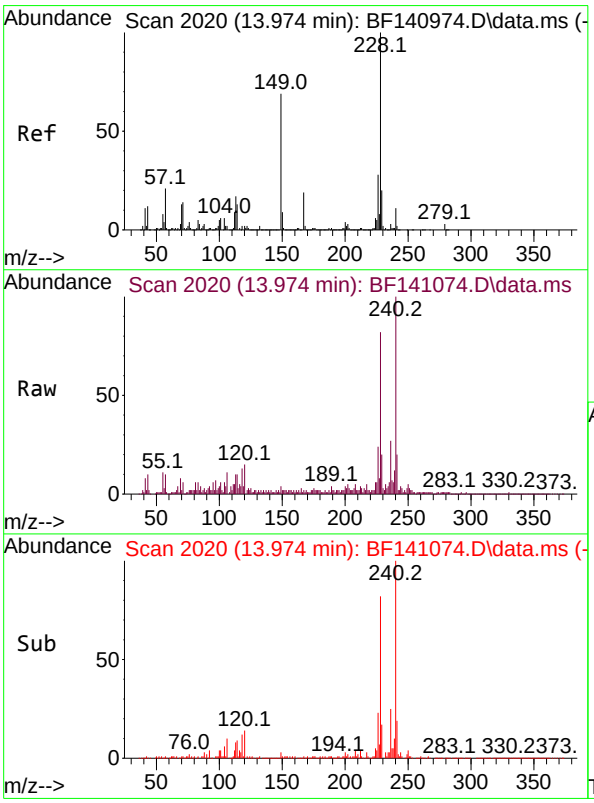
#79
Terphenyl-d14
Concen: 56.996 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Instrument :
BNA_F
ClientSampleId :
SU-03-1-03-2025

Tgt Ion:244 Resp: 1746662

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.7	8.5
122	11.1	10.2	15.2

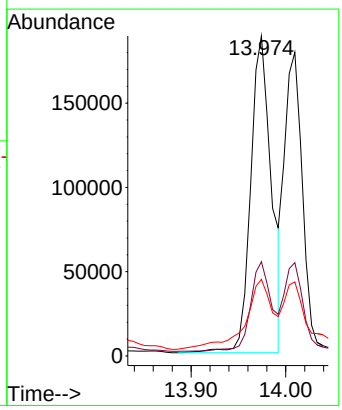


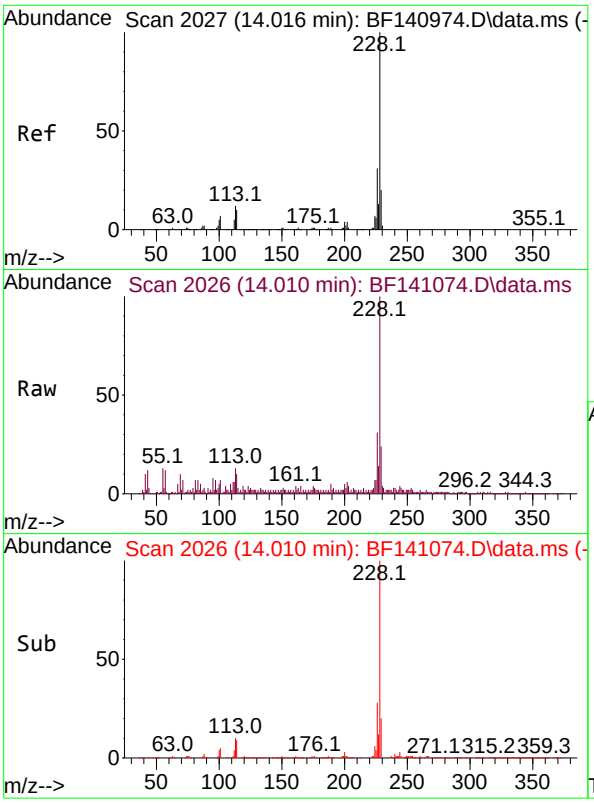


#81
Benzo(a)anthracene
Concen: 8.071 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Tgt Ion:228 Resp: 286310

Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.1	33.1
229	24.0	16.2	24.2



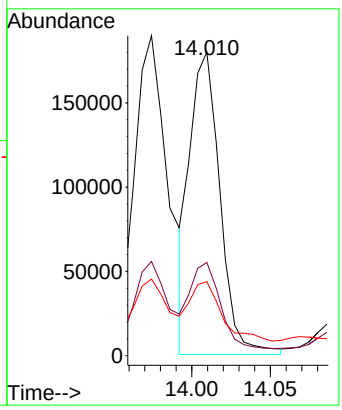


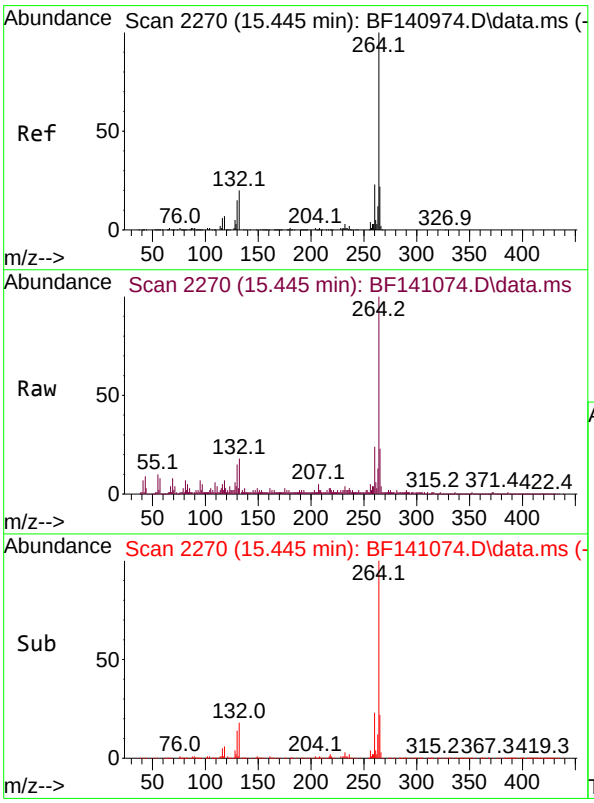
#83
Chrysene
Concen: 7.539 ng m
RT: 14.010 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Instrument :
BNA_F
ClientSampleId :
SU-03-1-03-2025

Tgt Ion:228 Resp: 241093

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.5	36.7
229	24.4	16.2	24.4#

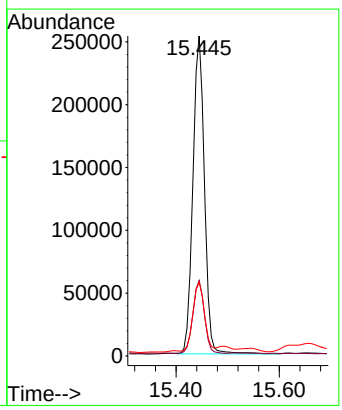


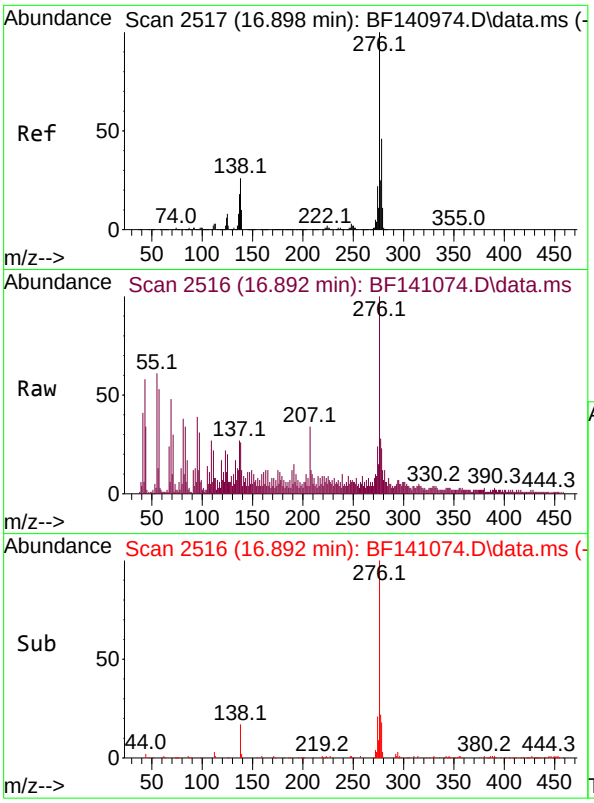


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Tgt Ion:264 Resp: 391352

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	23.1	17.4	26.2



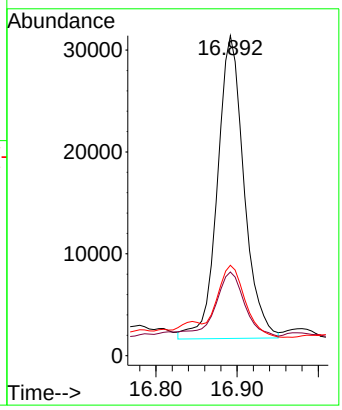


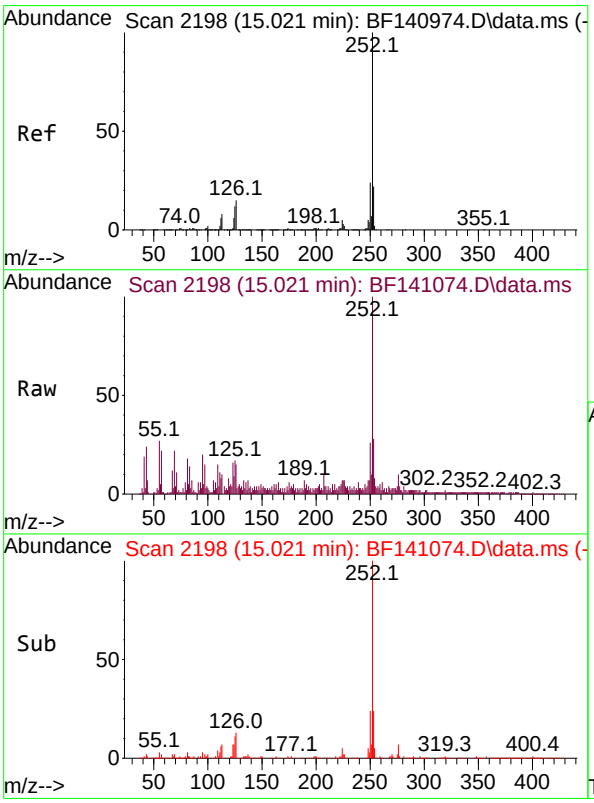
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.746 ng
RT: 16.892 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Instrument :
BNA_F
ClientSampleId :
SU-03-1-03-2025

Tgt Ion:276 Resp: 67707

Ion	Ratio	Lower	Upper
276	100		
138	25.5	23.1	34.7
277	24.8	20.4	30.6

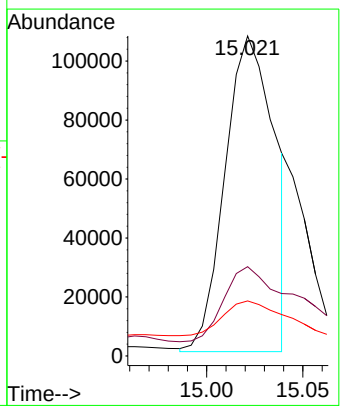


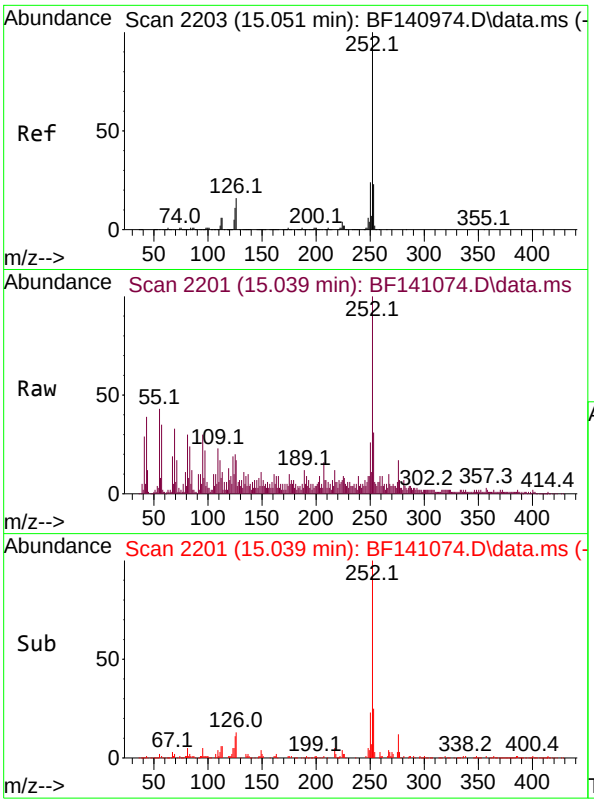


#88
Benzo(b)fluoranthene
Concen: 7.026 ng m
RT: 15.021 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Tgt Ion:252 Resp: 191783

Ion	Ratio	Lower	Upper
252	100		
253	27.9	17.7	26.5#
125	17.2	9.3	13.9#



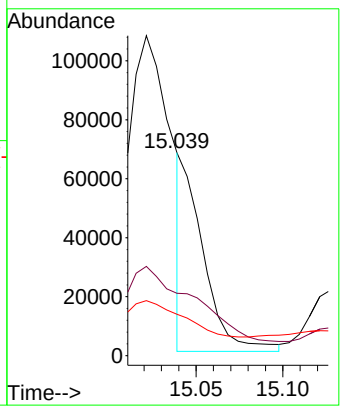


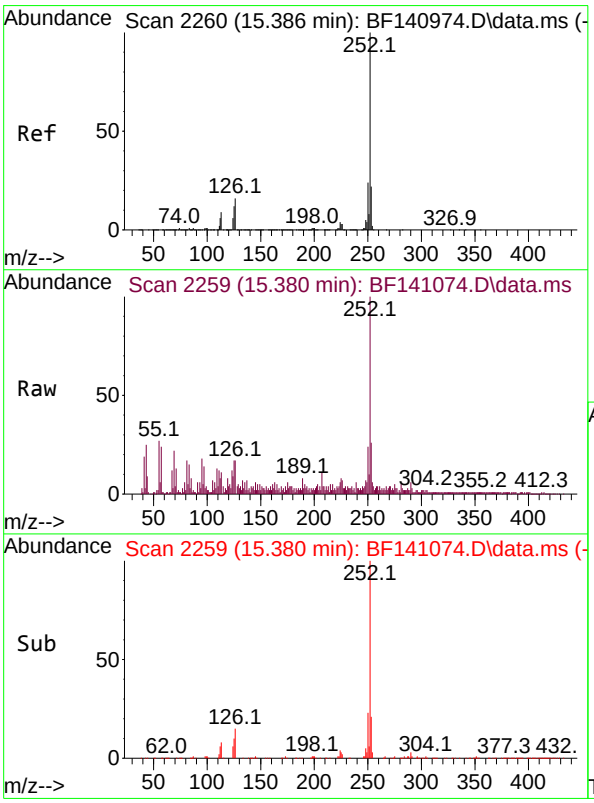
#89
Benzo(k)fluoranthene
Concen: 2.668 ng m
RT: 15.039 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Instrument :
BNA_F
ClientSampleId :
SU-03-1-03-2025

Tgt Ion:252 Resp: 57070

Ion	Ratio	Lower	Upper
252	100		
253	30.7	17.8	26.8#
125	20.4	9.4	14.0#

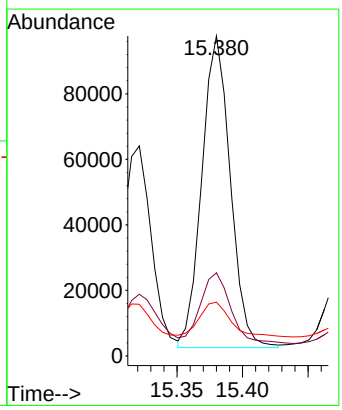


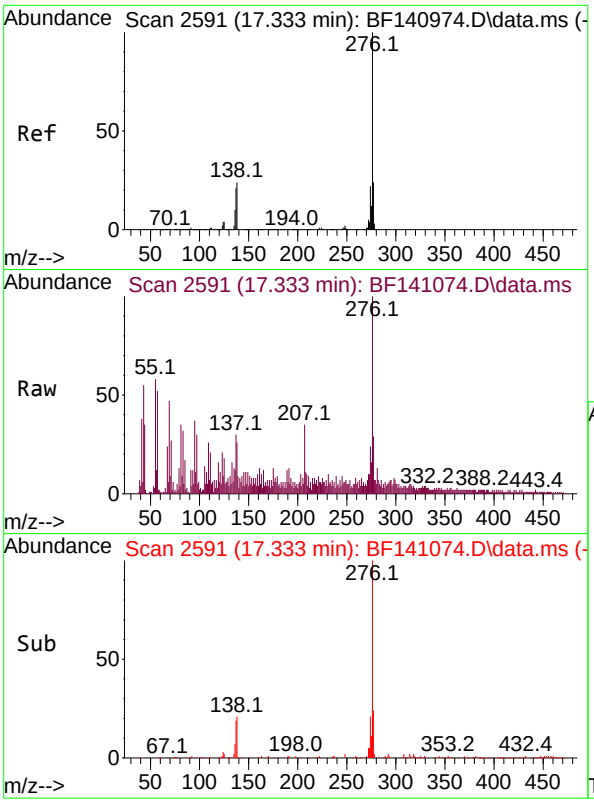


#90
Benzo(a)pyrene
Concen: 6.778 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Tgt Ion:252 Resp: 143594

Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.2	25.8#
125	16.8	9.8	14.8#





#92
Benzo(g,h,i)perylene
Concen: 3.235 ng
RT: 17.333 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Instrument :
BNA_F
ClientSampleId :
SU-03-1-03-2025

Tgt Ion:276 Resp: 67056

Ion	Ratio	Lower	Upper
276	100		
277	28.9	19.0	28.4#
138	26.0	19.4	29.2