Quantitation Report (Not 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
9) Benzaldehyde	6.357	77	1699	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.386	70	179677	12.836	ng	# 77
26) 2-Nitrophenol	7.728	139	2008	5.557	ng	# 1
32) Benzoic acid	7.904	122	2137	7.872	ng	# 19
35) Caprolactam	8.528	113	18612	3.974	ng	# 1
38) 1-Methylnaphthalene	8.916	142	65187	2.013	ng	95
48) 2-Nitroaniline	9.433	65	5661	5.400	ng	# 54
51) 2,6-Dinitrotoluene	9.622	165	4928	4.434	ng	# 82
53) 3-Nitroaniline	9.769	138	1419	3.473	ng	# 66
54) 2,4-Dinitrophenol	9.898	184	306	6.383	ng	# 1
57) 2,4-Dinitrotoluene	10.063	165	4627	5.087	ng	# 63
58) Fluorene	10.404	166	62974	2.297	ng	# 89
62) 4-Nitroaniline	10.604	138	1764	3.605	ng	81
63) Azobenzene	10.569	77	114704	3.866	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.398	198	426	9.480	ng	# 1
66) n-Nitrosodiphenylamine	10.516	169	40391	2.031	ng	# 70
67) 4-Bromophenyl-phenylether	10.645	248	23193	3.397	ng	# 1
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	13.974	228	286310	8.953	ng	96
87) Indeno(1,2,3-cd)pyrene	16.892	276	67707	2.746	ng	96
88) Benzo(b)fluoranthene	15.021	252	241875	8.862	ng	# 87
89) Benzo(k)fluoranthene	15.021	252	241875	11.307	ng	# 87
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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010625\
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Misc :
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Instrument :
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SU-03-1-03-2025

Quant Time: Jan 06 14:49:32 2025
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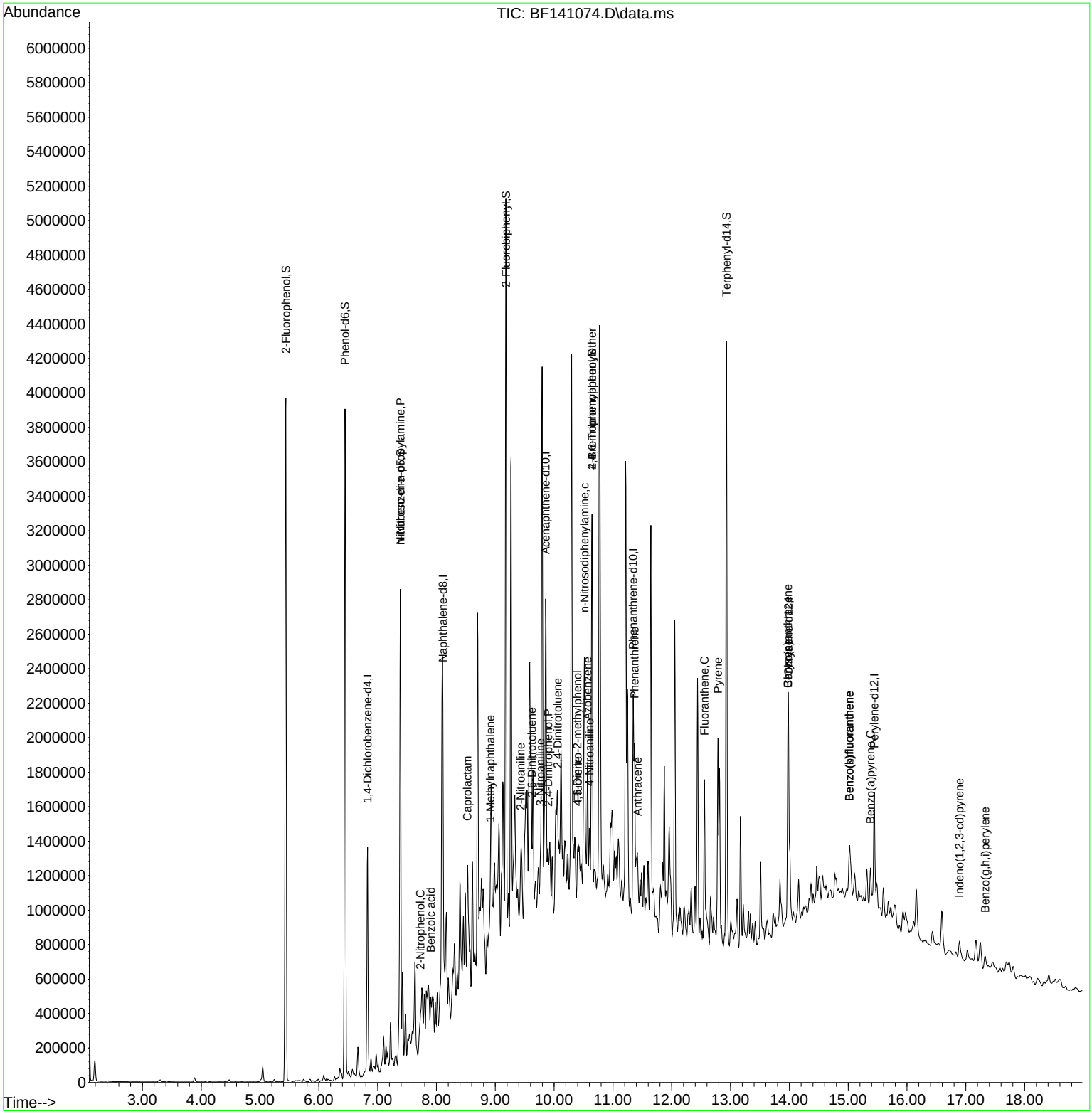
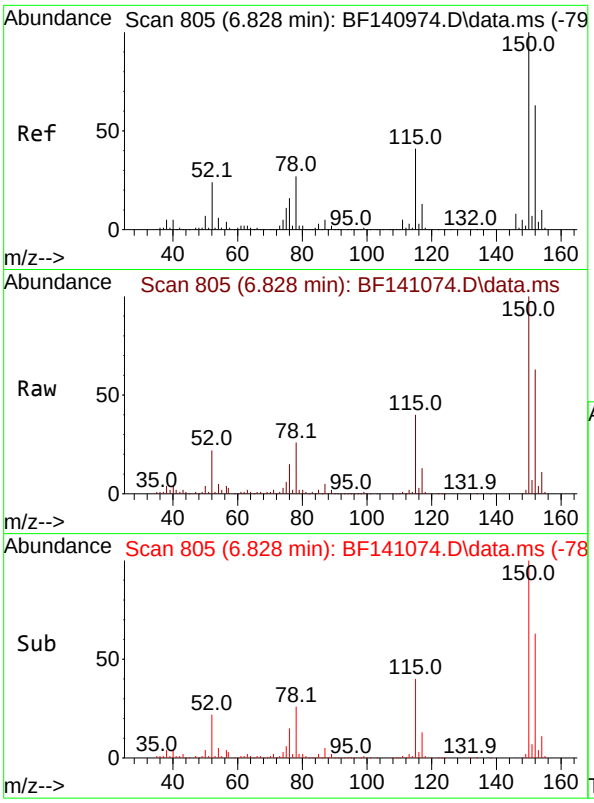


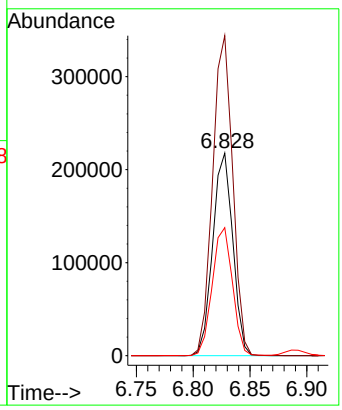


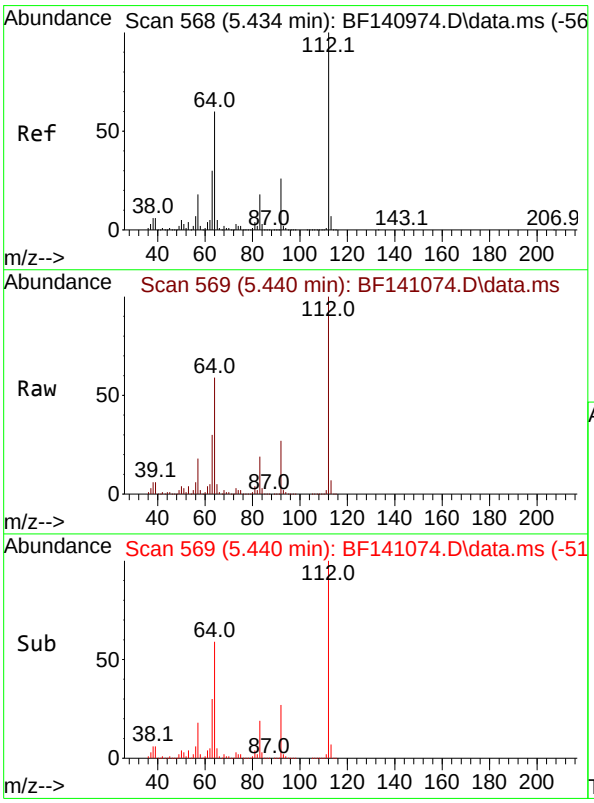
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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

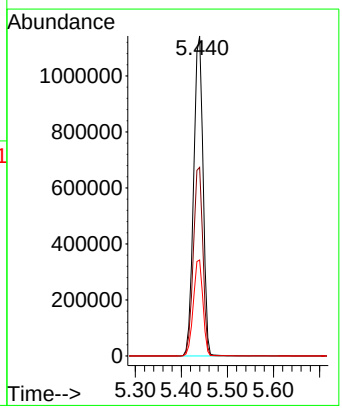


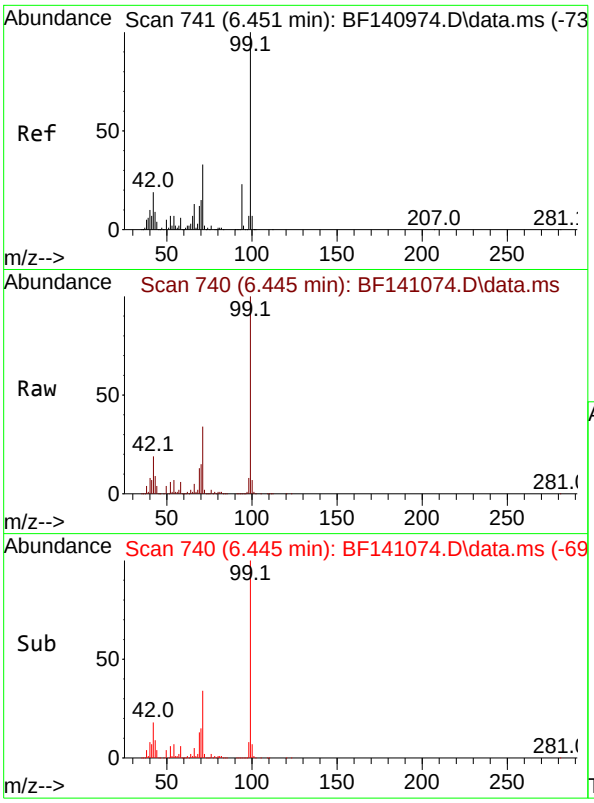


#5
2-Fluorophenol
Concen: 91.344 ng
RT: 5.440 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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



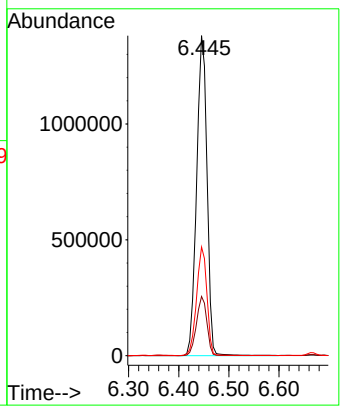


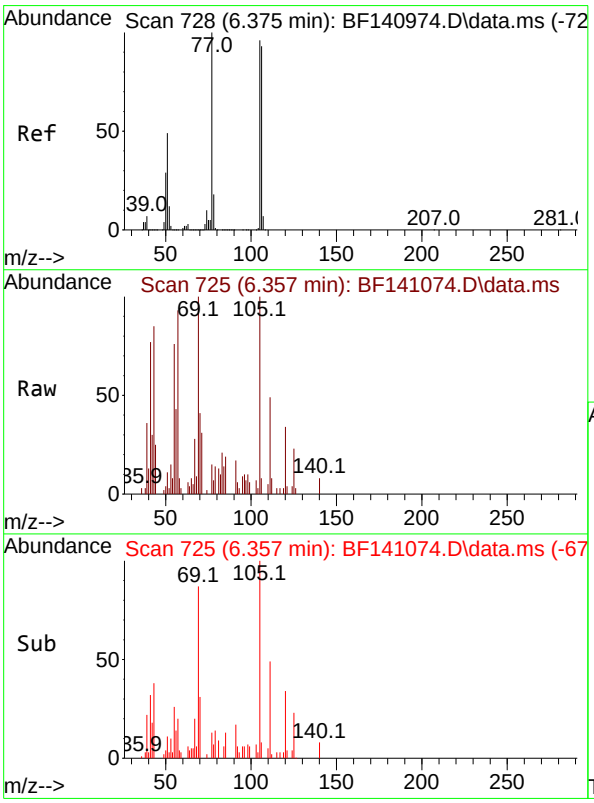
#7
Phenol-d6
Concen: 87.160 ng
RT: 6.445 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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

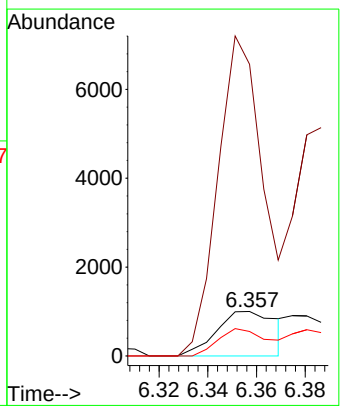


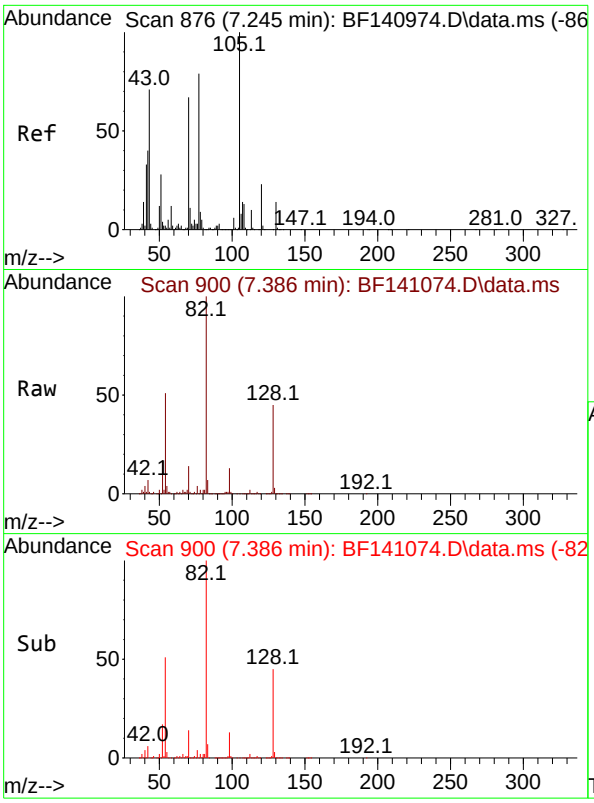


#9
Benzaldehyde
Concen: Below Cal
RT: 6.357 min Scan# 725
Delta R.T. -0.018 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Tgt Ion: 77 Resp: 1699

Ion	Ratio	Lower	Upper
77	100		
105	656.5	76.2	116.2#
106	55.1	73.4	113.4#



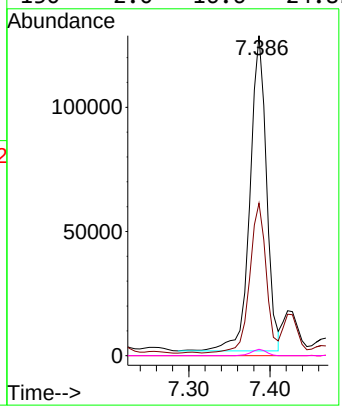


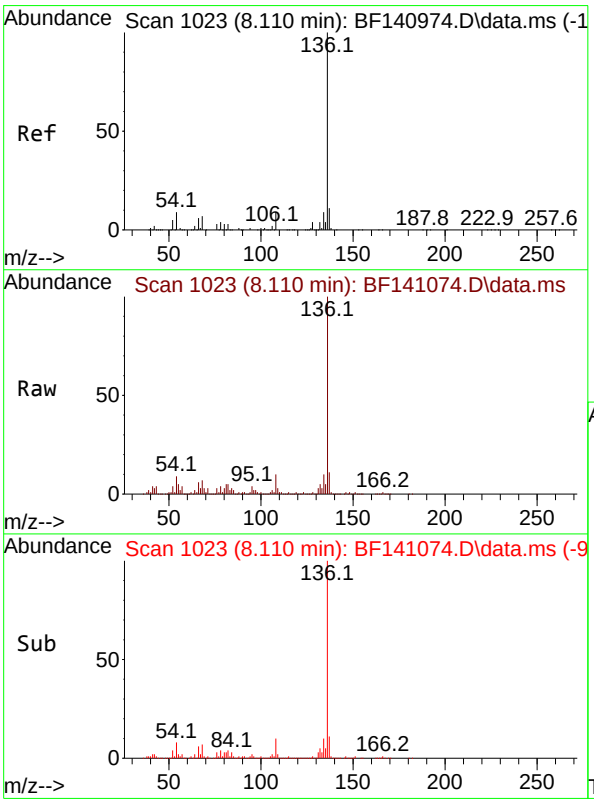
#19
n-Nitroso-di-n-propylamine
Concen: 12.836 ng
RT: 7.386 min Scan# 9
Delta R.T. 0.141 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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

Tgt Ion: 70 Resp: 179677

Ion	Ratio	Lower	Upper
70	100		
42	47.7	48.1	72.1#
101	0.0	7.6	11.4#
130	2.0	16.6	24.8#

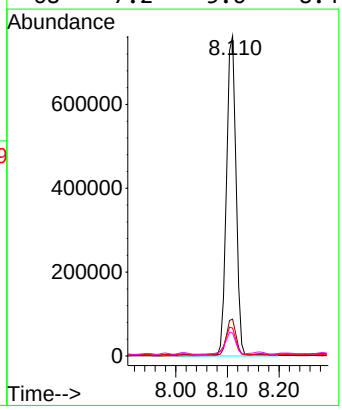


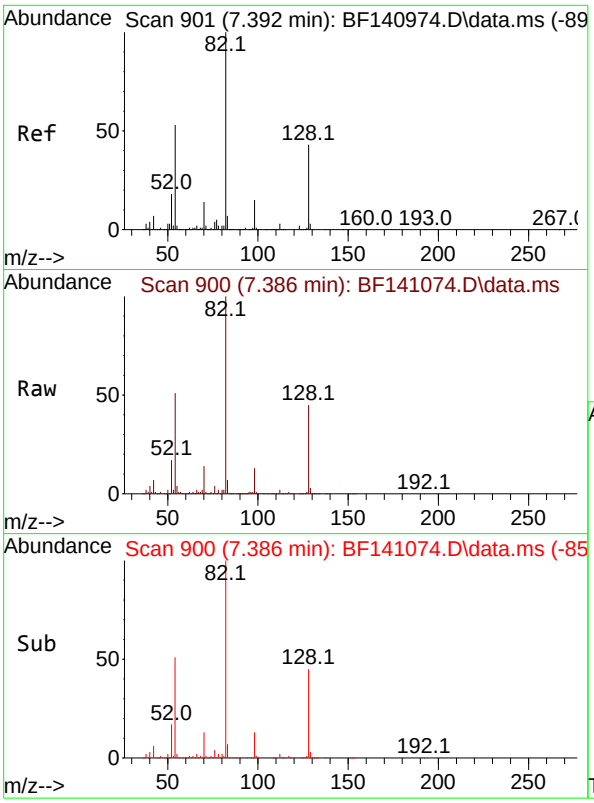


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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



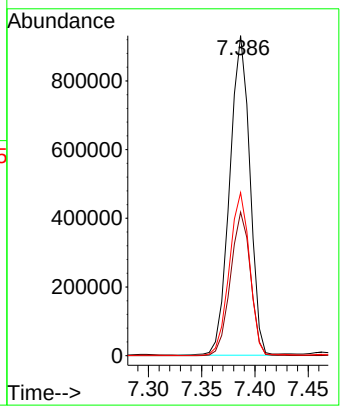


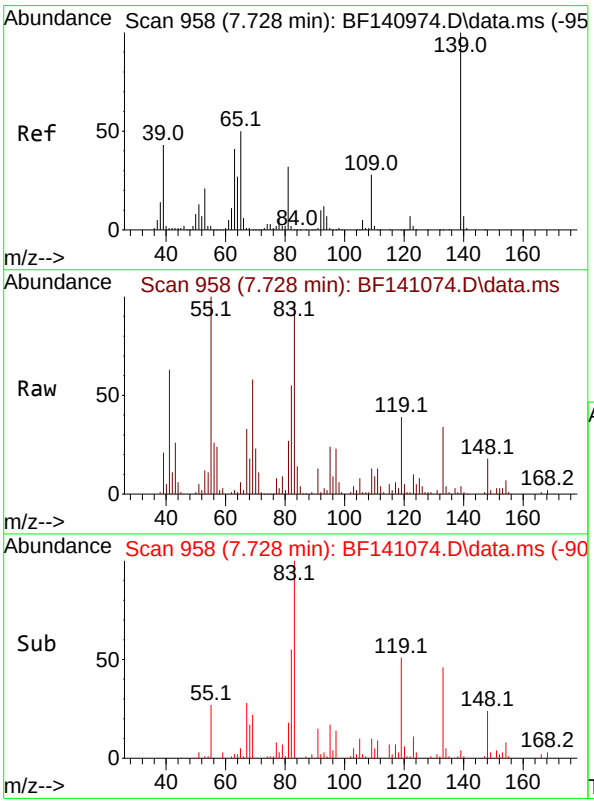
#23
Nitrobenzene-d5
Concen: 80.337 ng
RT: 7.386 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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

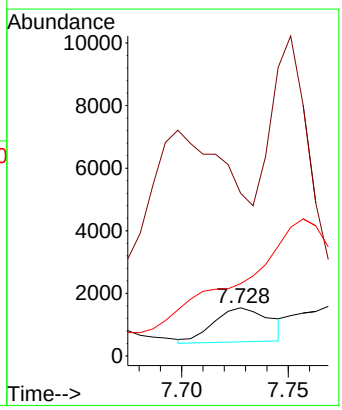


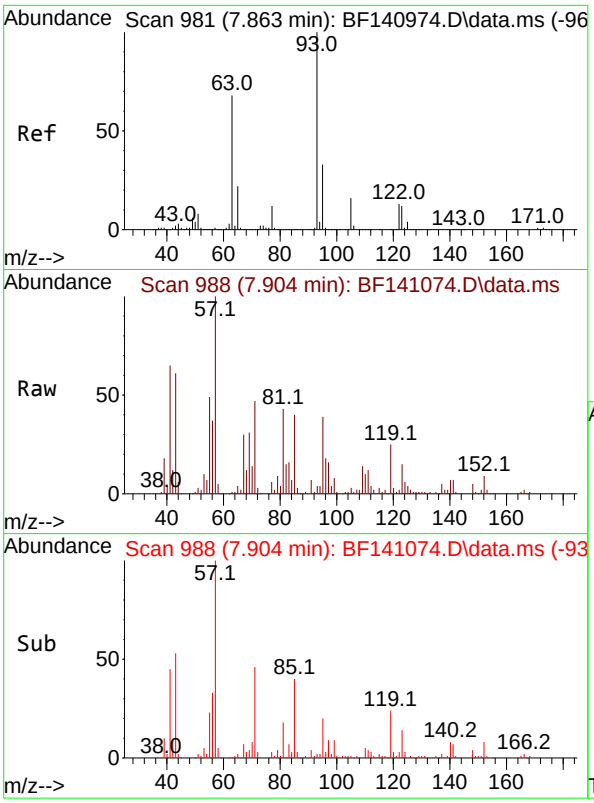


#26
2-Nitrophenol
Concen: 5.557 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Tgt Ion:139 Resp: 2008

Ion	Ratio	Lower	Upper
139	100		
109	337.9	22.2	33.4#
65	150.3	40.2	60.4#



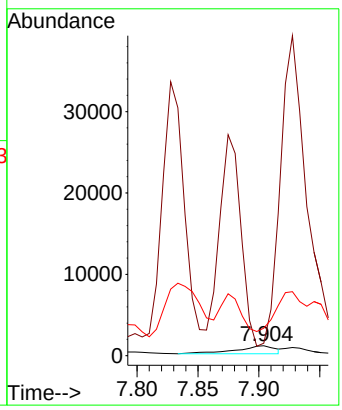


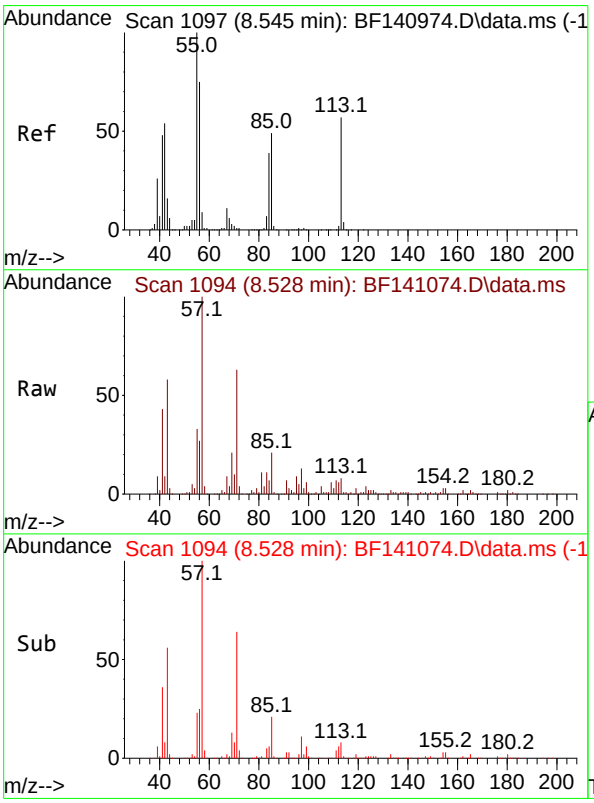
#32
Benzoic acid
Concen: 7.872 ng
RT: 7.904 min Scan# 9
Delta R.T. 0.041 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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

Tgt Ion:122 Resp: 2137

Ion	Ratio	Lower	Upper
122	100		
105	126.4	105.4	145.4
77	278.1	76.4	116.4#

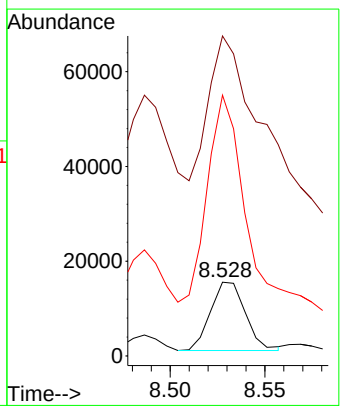


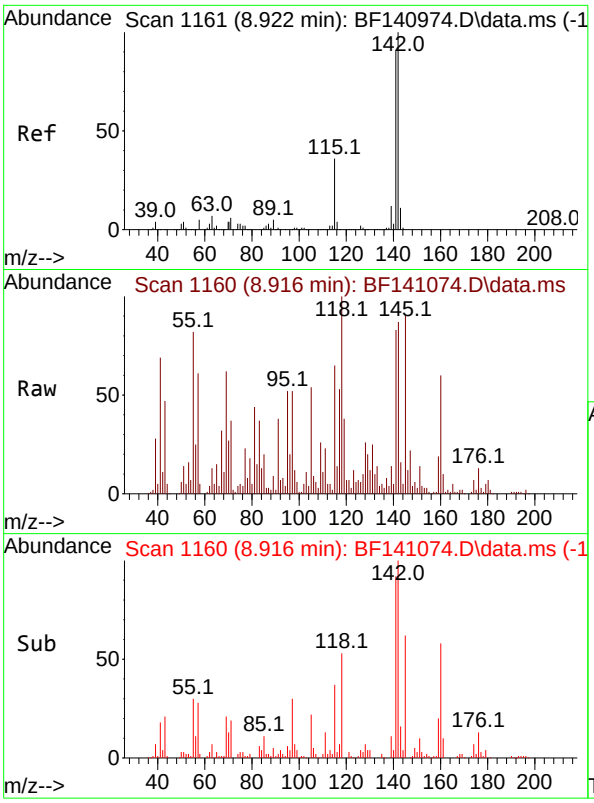


#35
Caprolactam
Concen: 3.974 ng
RT: 8.528 min Scan# 1094
Delta R.T. -0.018 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Tgt Ion:113 Resp: 18612

Ion	Ratio	Lower	Upper
113	100		
55	433.6	156.6	196.6#
56	353.5	111.7	151.7#



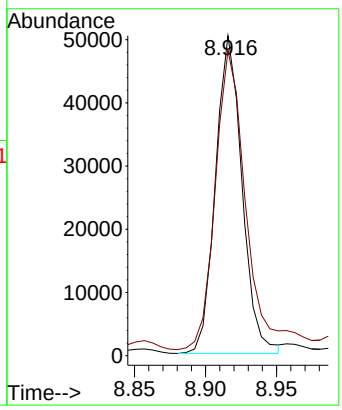


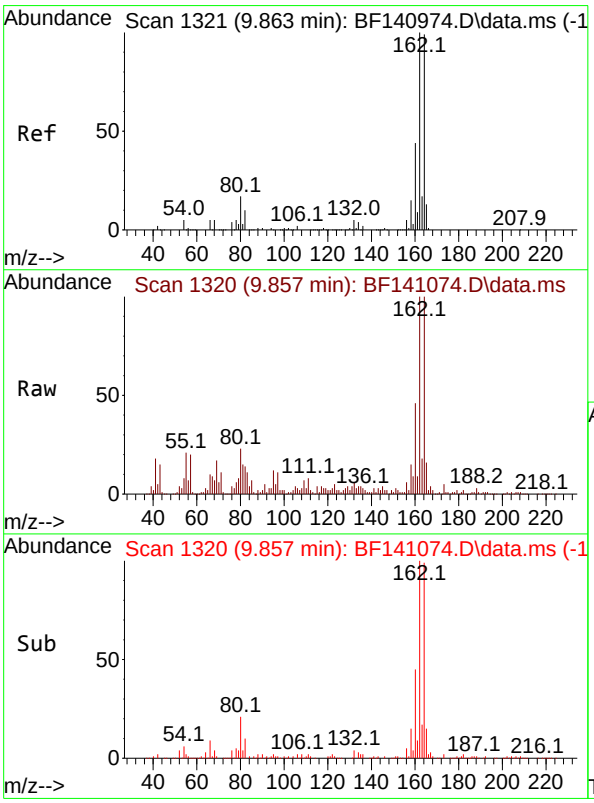
#38
1-Methylnaphthalene
Concen: 2.013 ng
RT: 8.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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

Tgt Ion:142 Resp: 65187

Ion	Ratio	Lower	Upper
142	100		
141	95.4	72.7	109.1

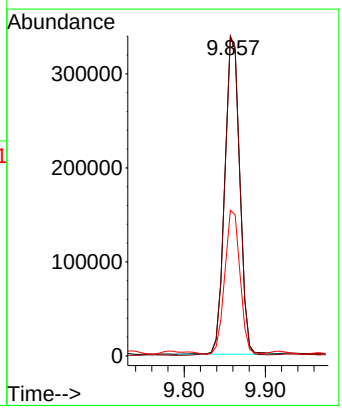


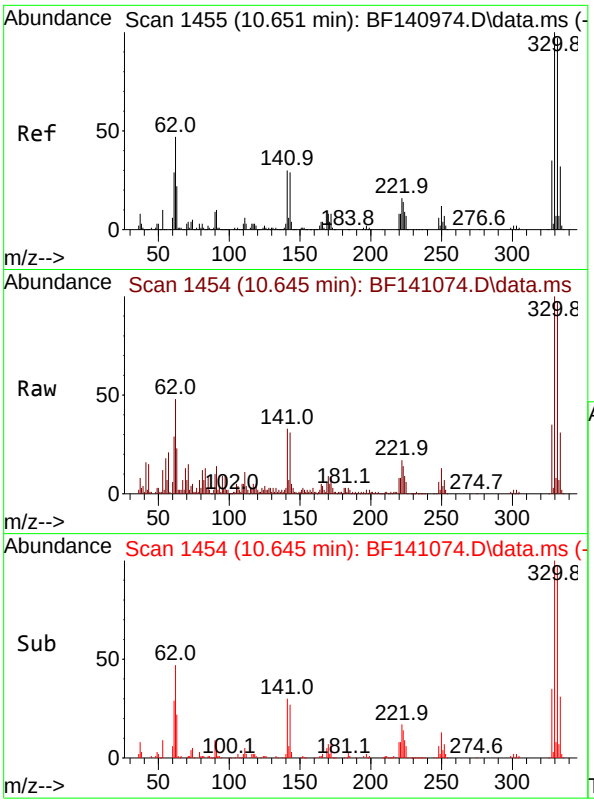


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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



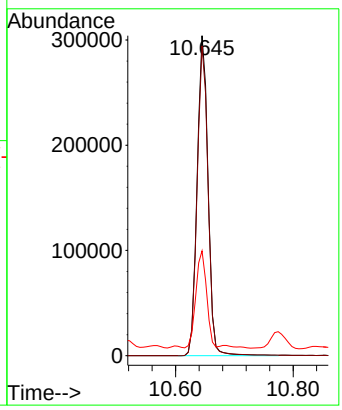


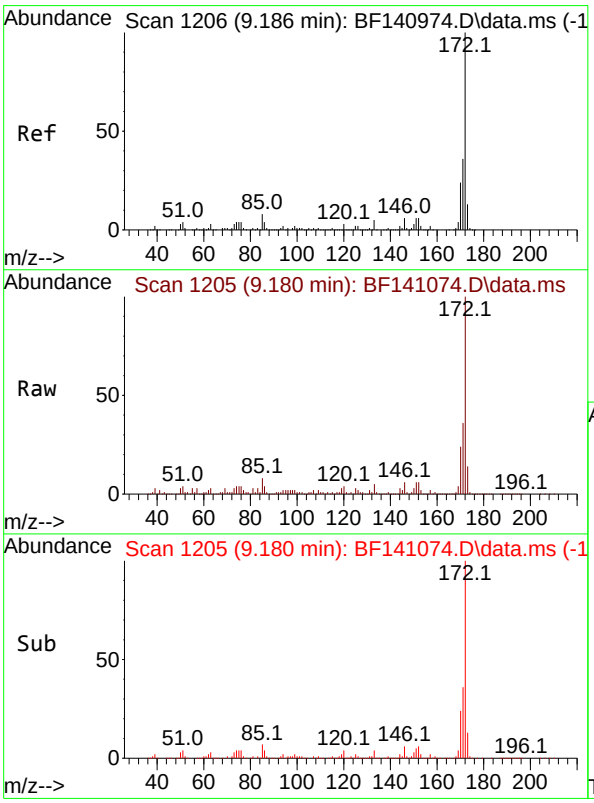
#42
2,4,6-Tribromophenol
Concen: 92.617 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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

Tgt Ion:330 Resp: 391788

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

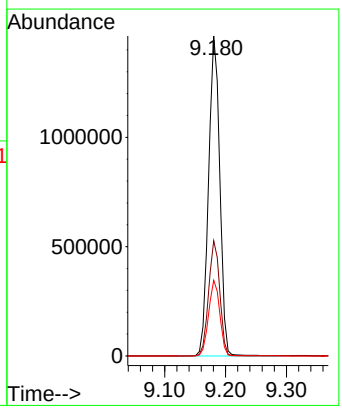


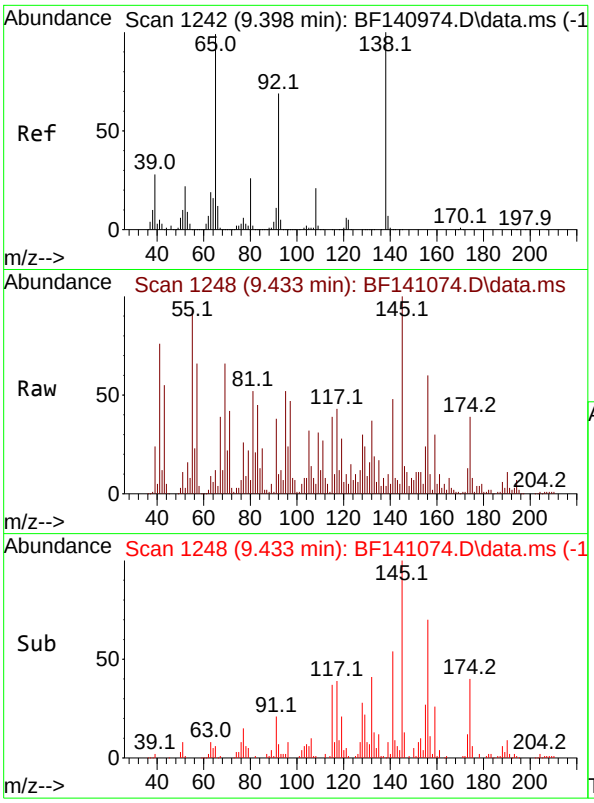


#45
2-Fluorobiphenyl
Concen: 68.700 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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



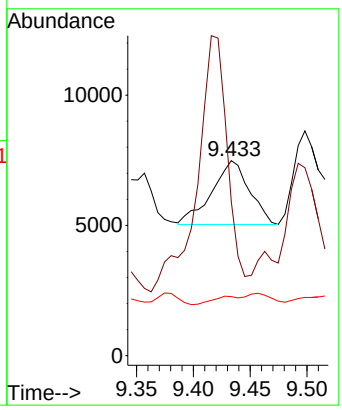


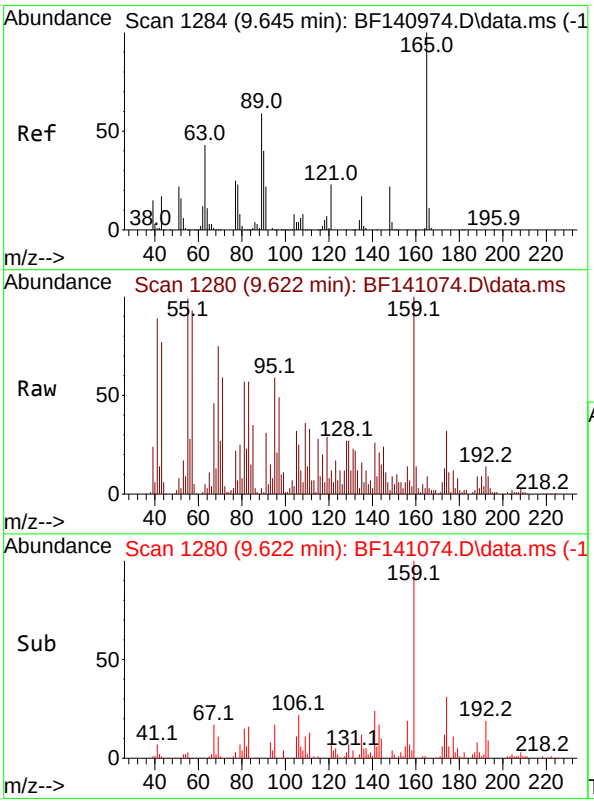
#48
2-Nitroaniline
Concen: 5.400 ng
RT: 9.433 min Scan# 1
Delta R.T. 0.035 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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

Tgt Ion: 65 Resp: 5661

Ion	Ratio	Lower	Upper
65	100		
92	78.9	55.6	83.4
138	30.3	80.5	120.7#

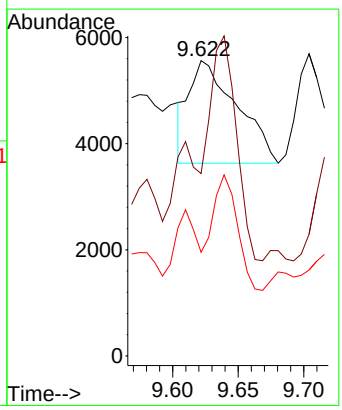


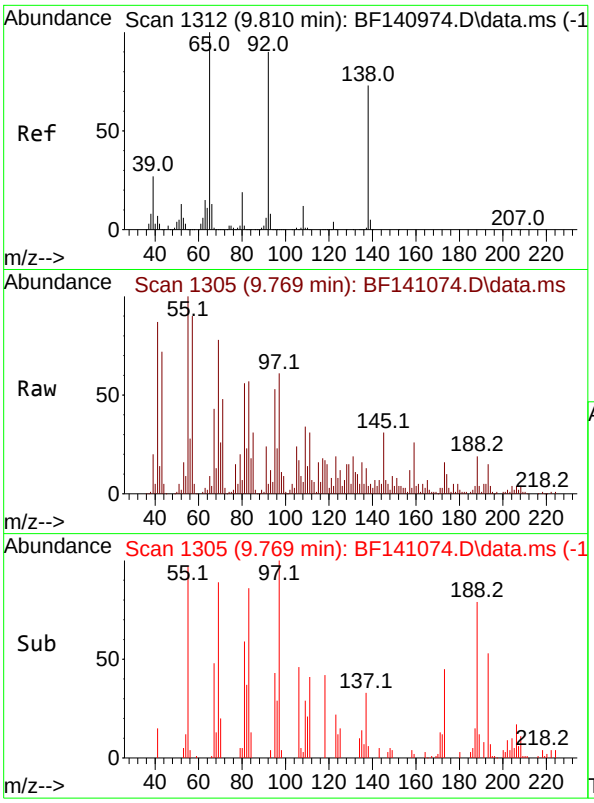


#51
2,6-Dinitrotoluene
Concen: 4.434 ng
RT: 9.622 min Scan# 1280
Delta R.T. -0.023 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Tgt Ion:165 Resp: 4928

Ion	Ratio	Lower	Upper
165	100		
63	61.8	47.1	70.7
89	35.1	47.0	70.4#



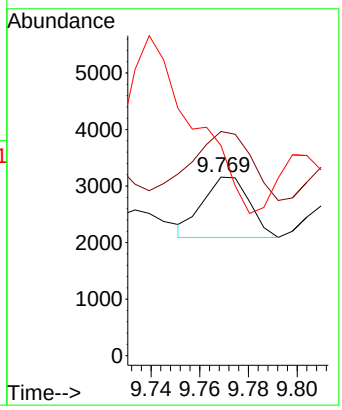


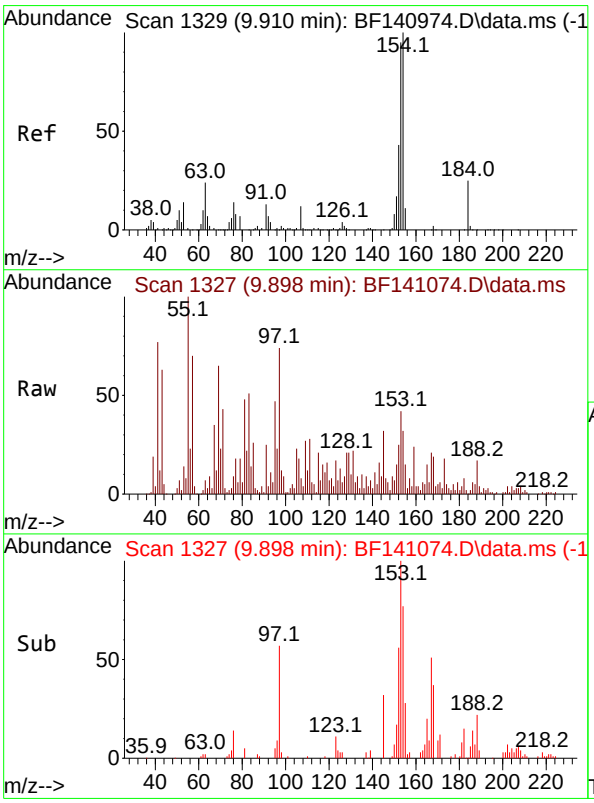
#53
3-Nitroaniline
Concen: 3.473 ng
RT: 9.769 min Scan# 1
Delta R.T. -0.041 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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

Tgt Ion:138 Resp: 1419

Ion	Ratio	Lower	Upper
138	100		
108	125.5	13.5	20.3#
92	117.8	97.7	146.5

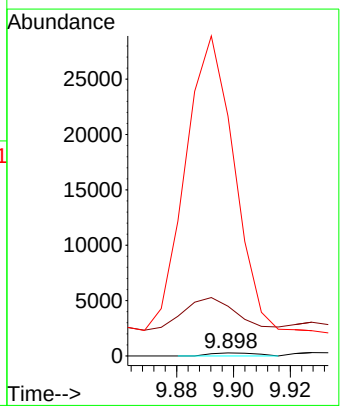


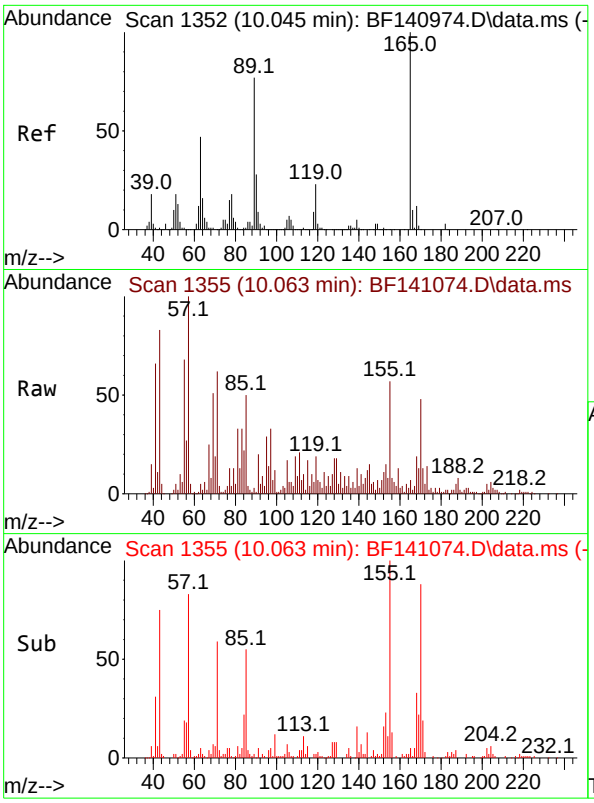


#54
2,4-Dinitrophenol
Concen: 6.383 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Tgt Ion:184 Resp: 306

Ion	Ratio	Lower	Upper
184	100		
63	1675.4	81.6	122.4#
154	8086.6	363.5	545.3#



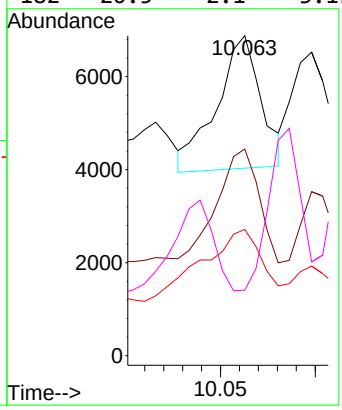


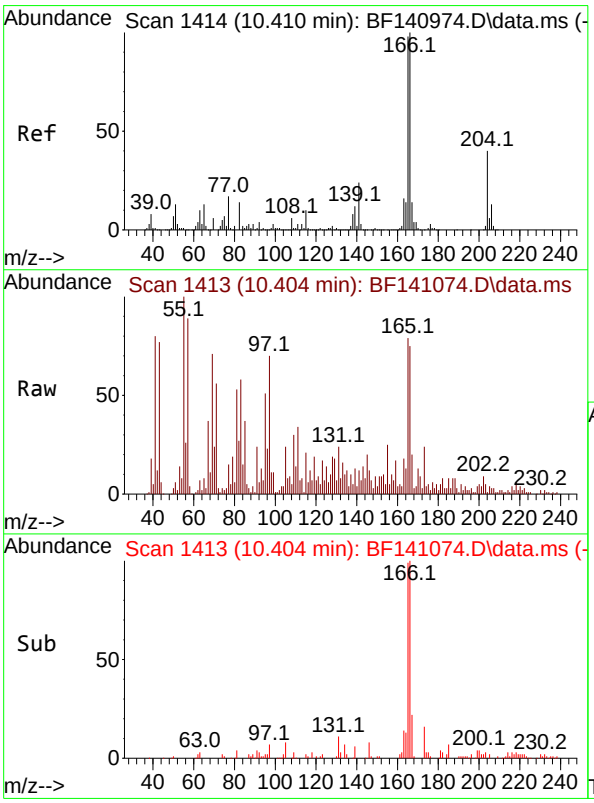
#57
2,4-Dinitrotoluene
Concen: 5.087 ng
RT: 10.063 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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

Tgt Ion:165 Resp: 4627

Ion	Ratio	Lower	Upper
165	100		
63	64.6	38.1	57.1#
89	39.4	61.4	92.2#
182	20.5	2.1	3.1#

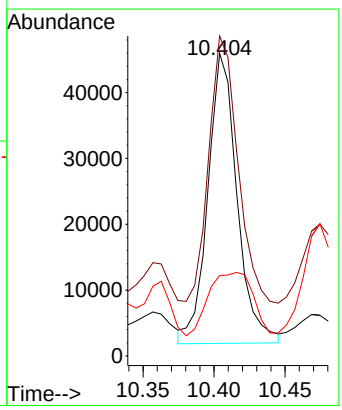


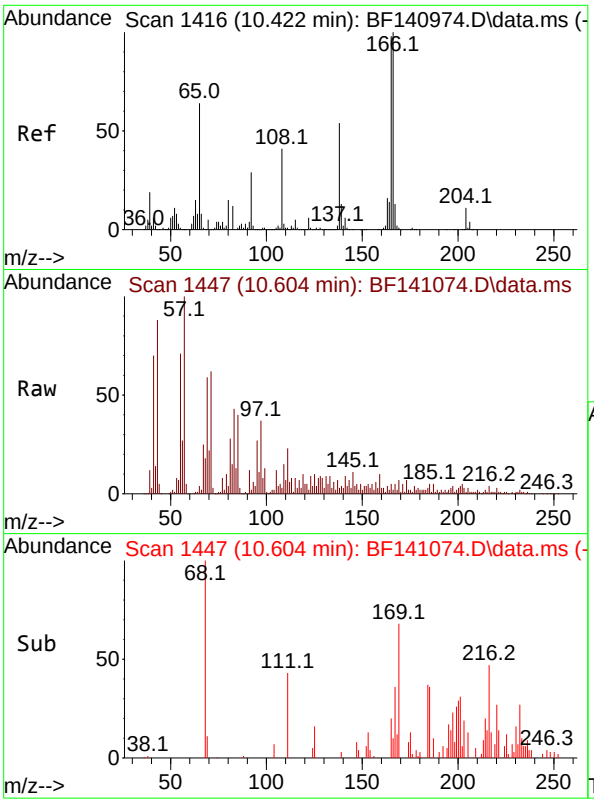


#58
Fluorene
Concen: 2.297 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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#



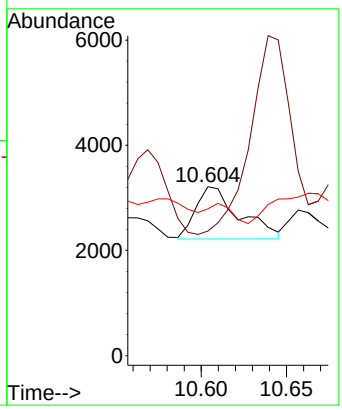


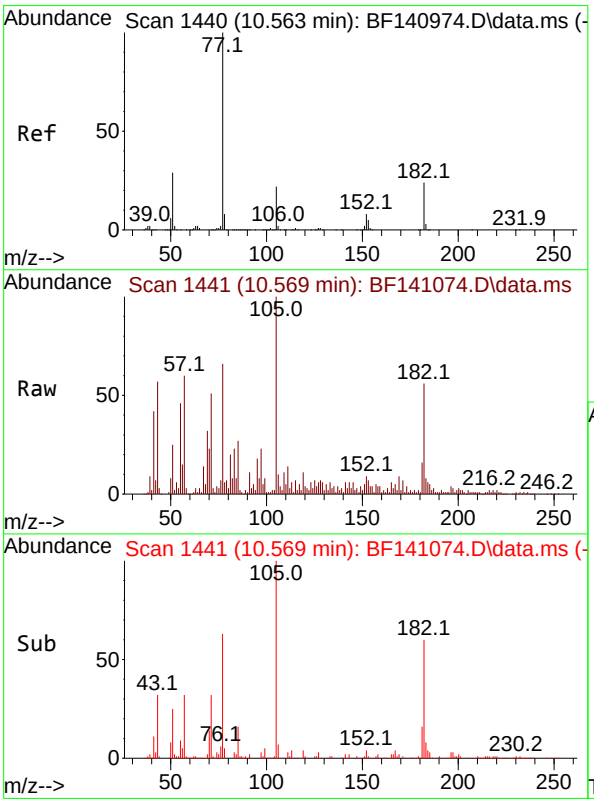
#62
4-Nitroaniline
Concen: 3.605 ng
RT: 10.604 min Scan# 14
Delta R.T. 0.182 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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

Tgt Ion:138 Resp: 1764

Ion	Ratio	Lower	Upper
138	100		
92	73.8	34.8	74.8
108	87.0	55.9	95.9

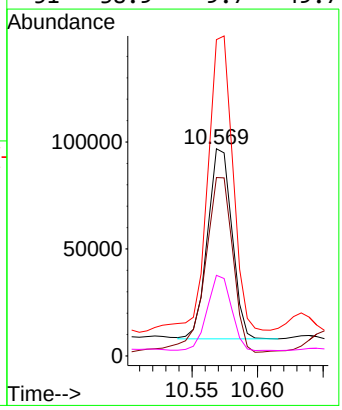


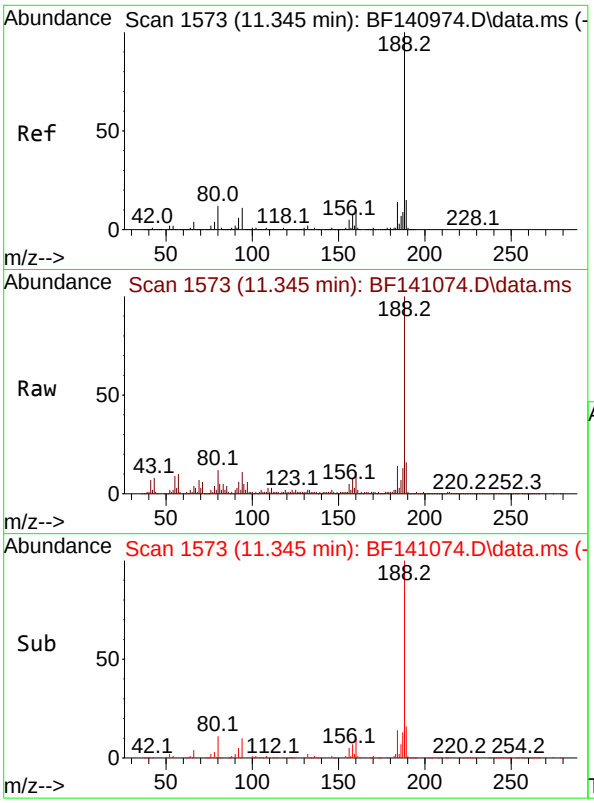


#63
Azobenzene
Concen: 3.866 ng
RT: 10.569 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Tgt Ion: 77 Resp: 114704

Ion	Ratio	Lower	Upper
77	100		
182	86.1	4.1	44.1#
105	152.6	1.8	41.8#
51	38.9	9.7	49.7



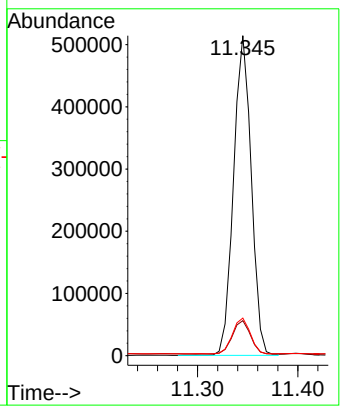


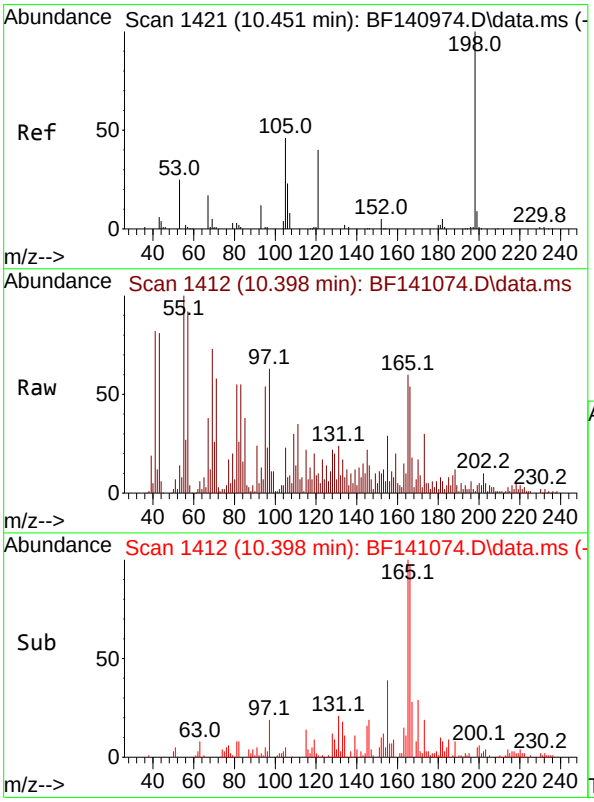
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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

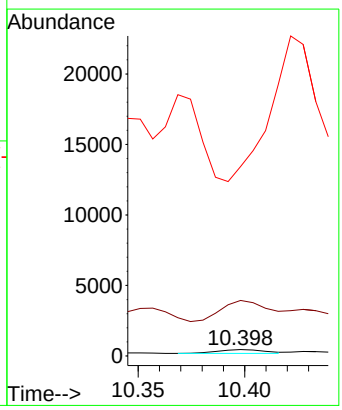


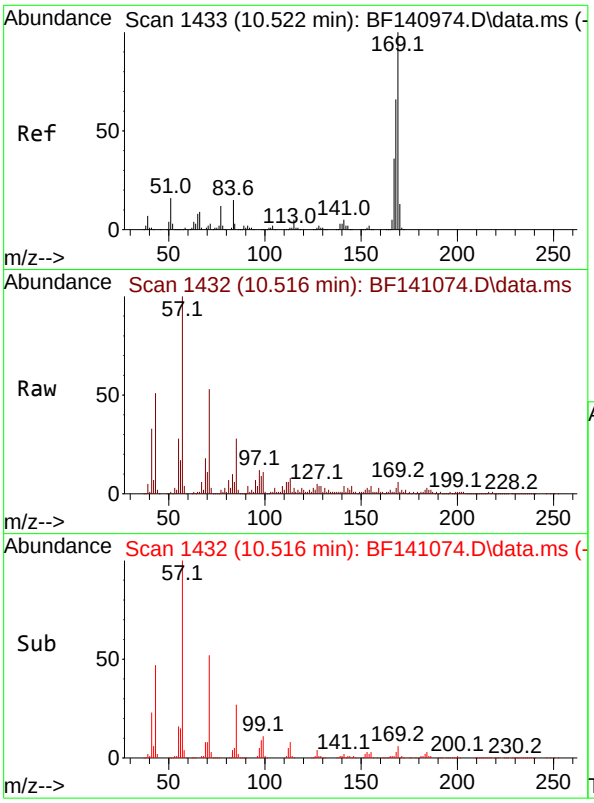


#65
4,6-Dinitro-2-methylphenol
Concen: 9.480 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.053 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Tgt Ion:198 Resp: 426

Ion	Ratio	Lower	Upper
198	100		
51	862.1	32.3	72.3#
105	2938.9	28.4	68.4#



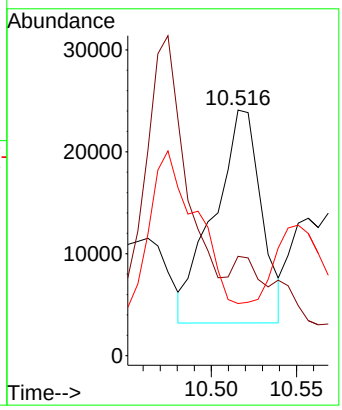


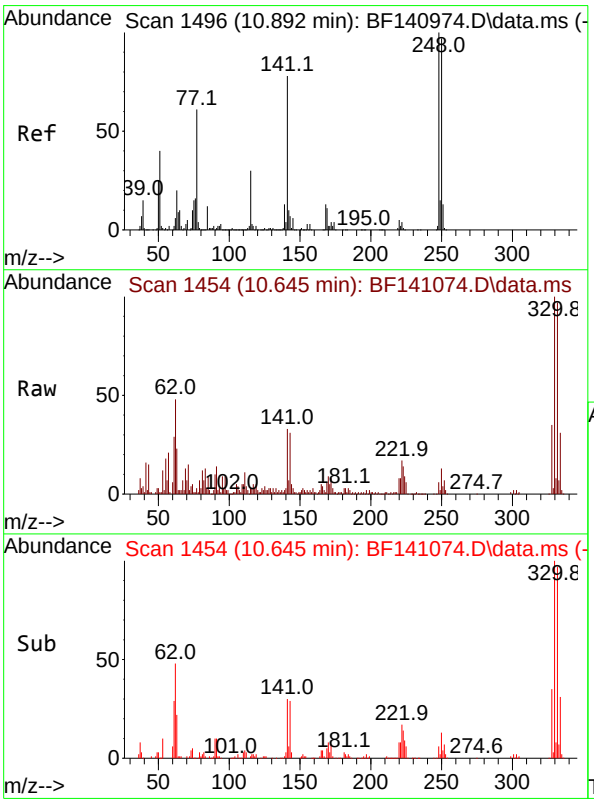
#66
n-Nitrosodiphenylamine
Concen: 2.031 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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

Tgt Ion:169 Resp: 40391

Ion	Ratio	Lower	Upper
169	100		
168	40.5	52.6	79.0#
167	21.3	29.0	43.4#

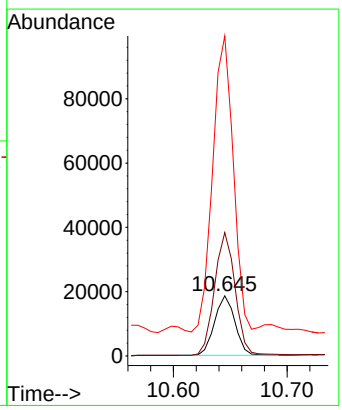


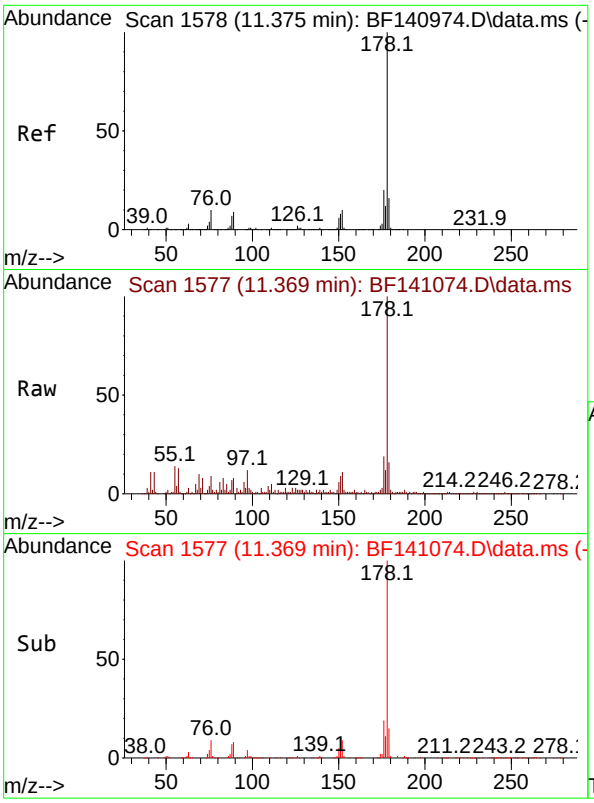


#67
4-Bromophenyl-phenylether
Concen: 3.397 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.247 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Tgt Ion:248 Resp: 23193

Ion	Ratio	Lower	Upper
248	100		
250	205.3	77.7	116.5#
141	532.4	62.1	93.1#



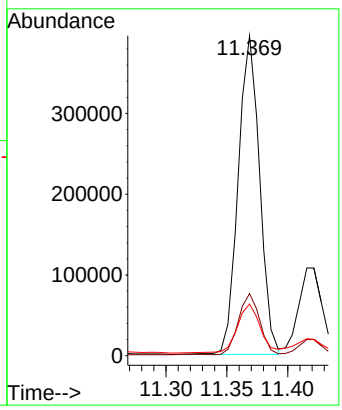


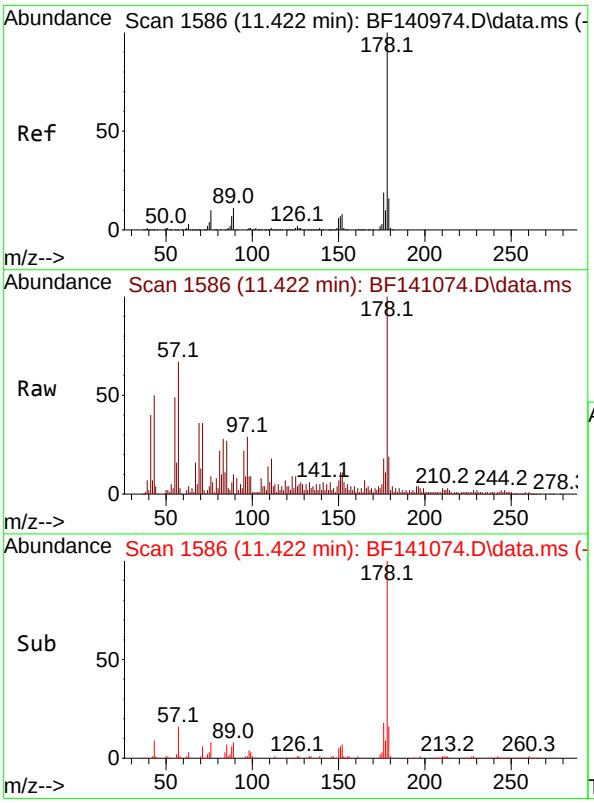
#71
Phenanthrene
Concen: 14.535 ng
RT: 11.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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

Tgt Ion:178 Resp: 483088

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

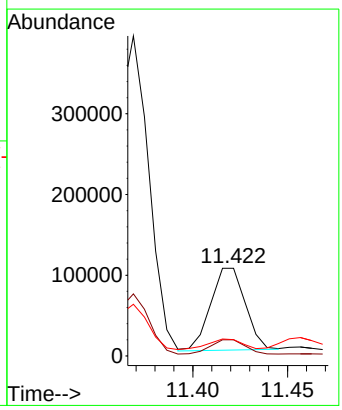


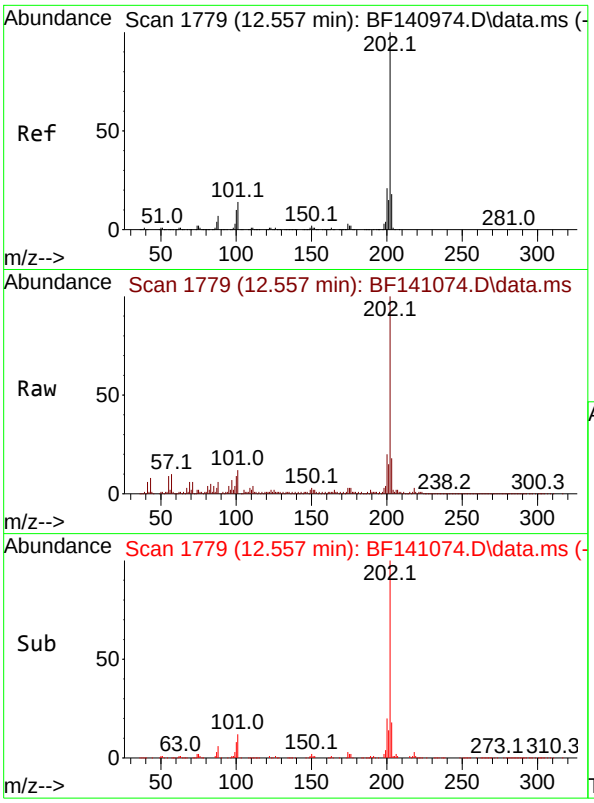


#72
Anthracene
Concen: 3.989 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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



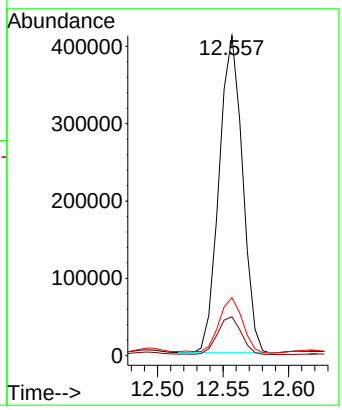


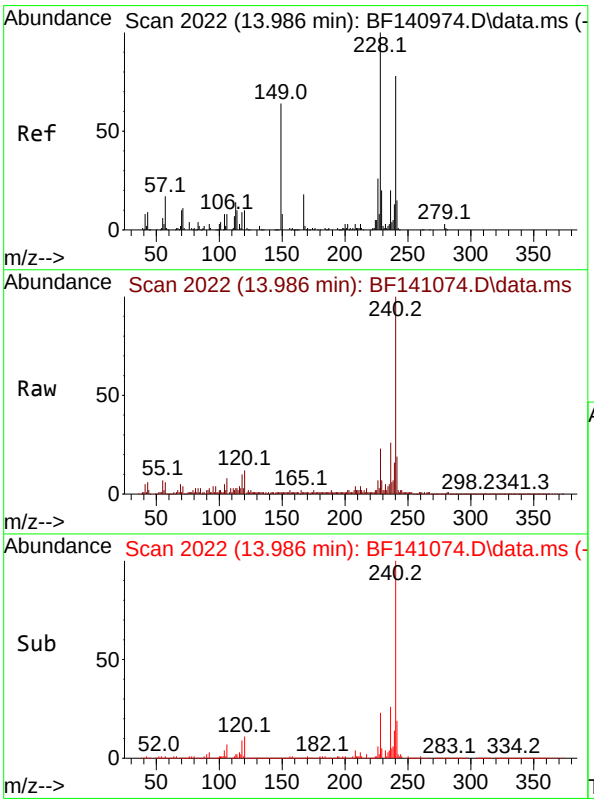
#75
Fluoranthene
Concen: 14.125 ng
RT: 12.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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

Tgt Ion:202 Resp: 509153

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

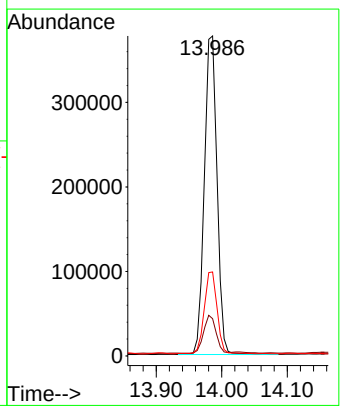


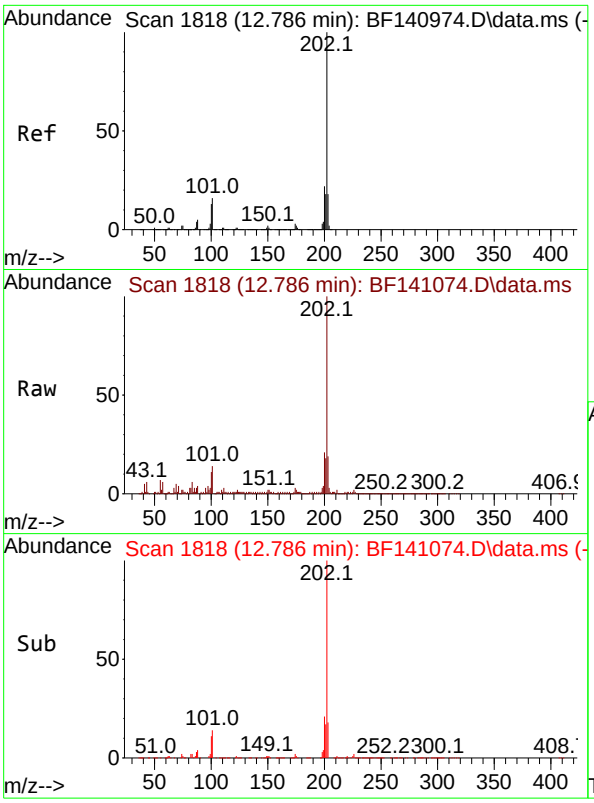


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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



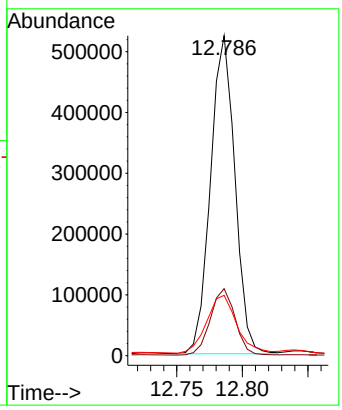


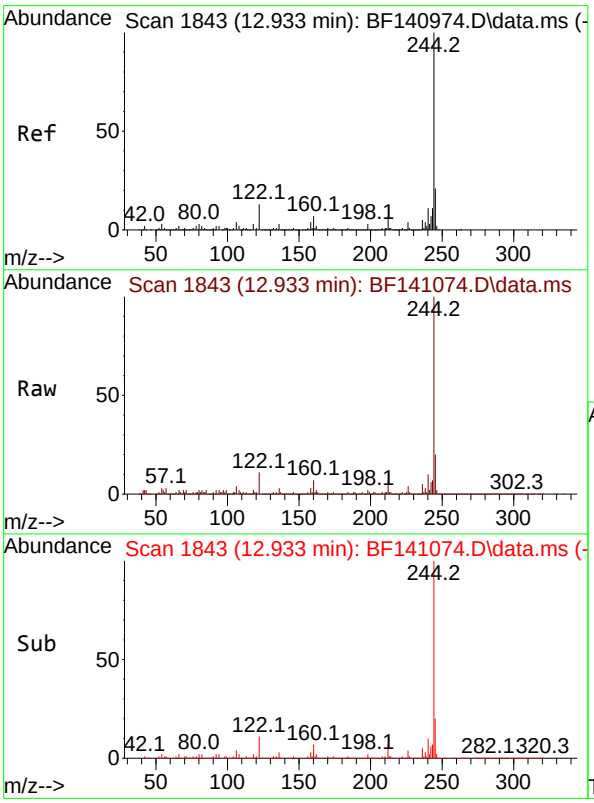
#78
Pyrene
Concen: 15.195 ng
RT: 12.786 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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

Tgt Ion:202 Resp: 676449

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

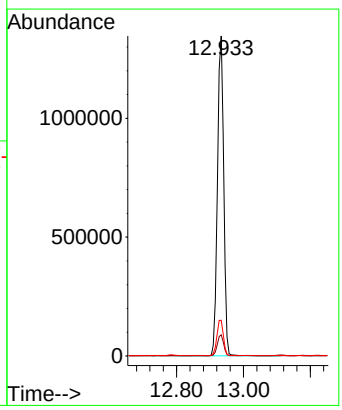


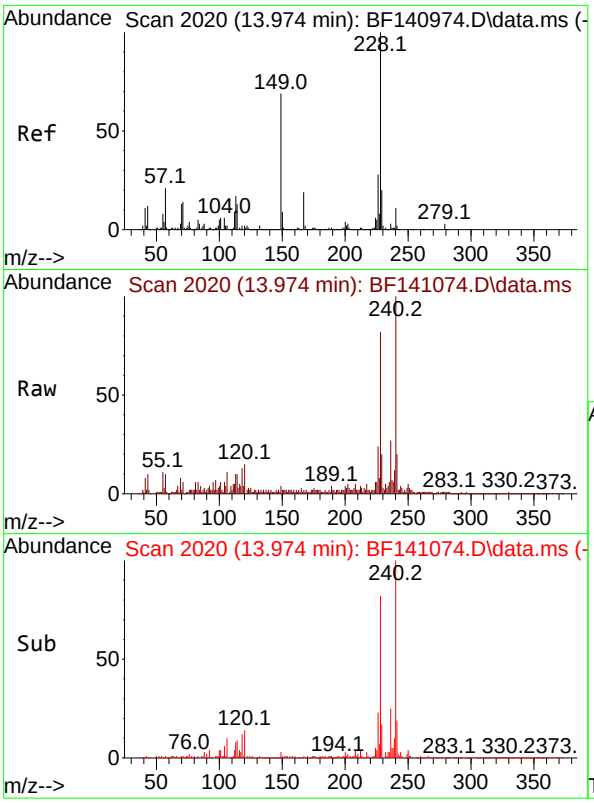


#79
Terphenyl-d14
Concen: 56.996 ng
RT: 12.933 min Scan# 1843
Delta R.T. -0.000 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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



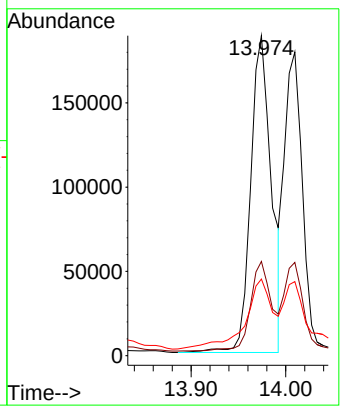


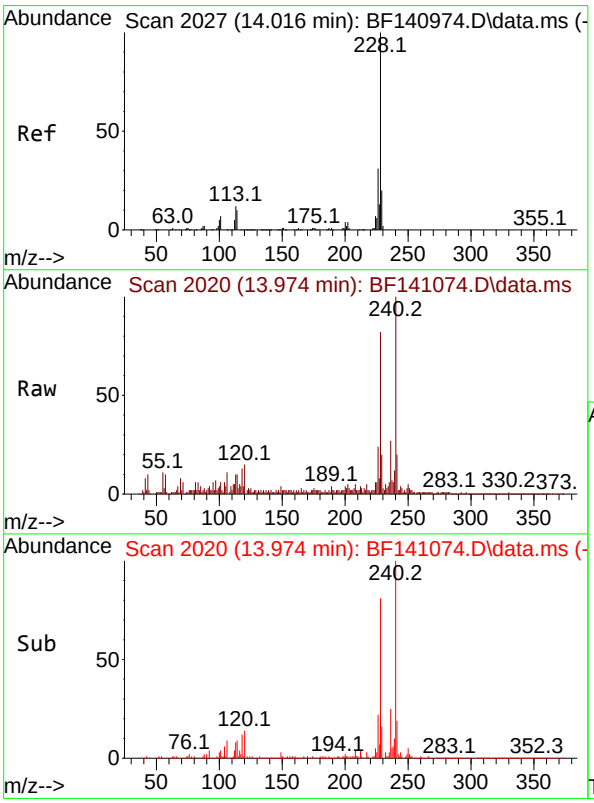
#81
Benzo(a)anthracene
Concen: 8.071 ng
RT: 13.974 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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

Tgt Ion:228 Resp: 286310

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

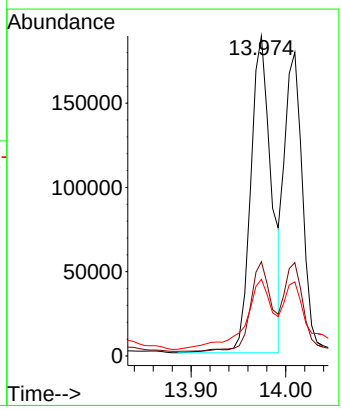


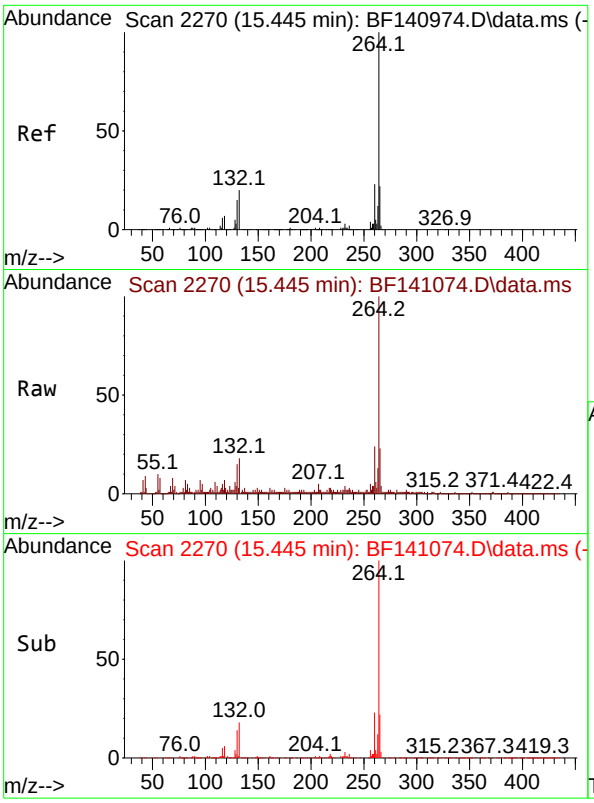


#83
Chrysene
Concen: 8.953 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.041 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Tgt Ion:228 Resp: 286310

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.5	36.7
229	24.0	16.2	24.4



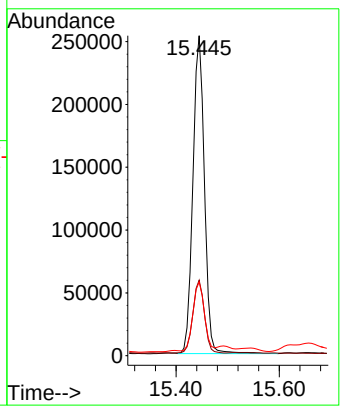


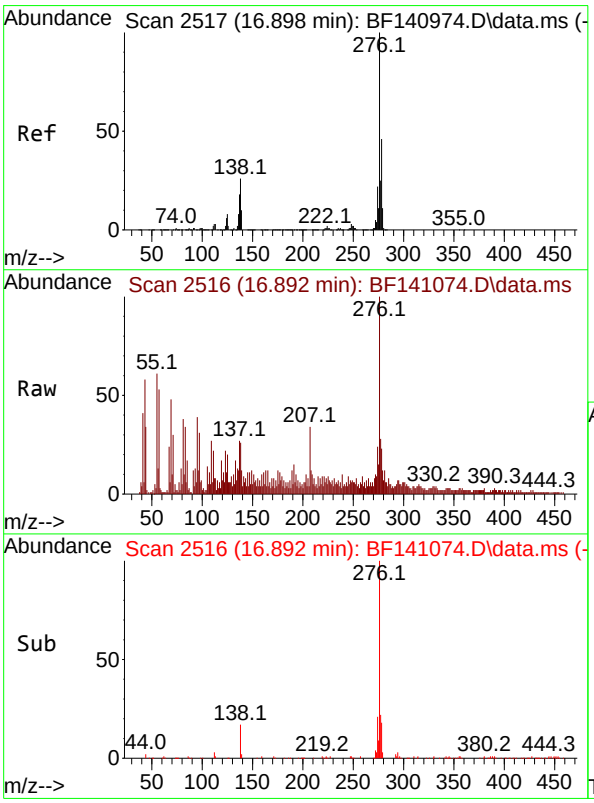
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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

Tgt Ion:264 Resp: 391352

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

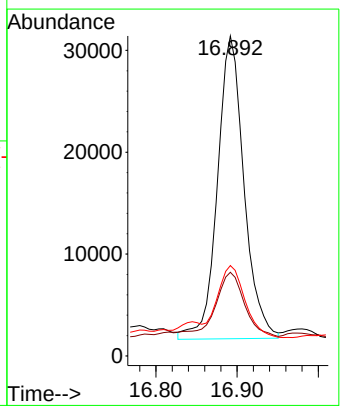


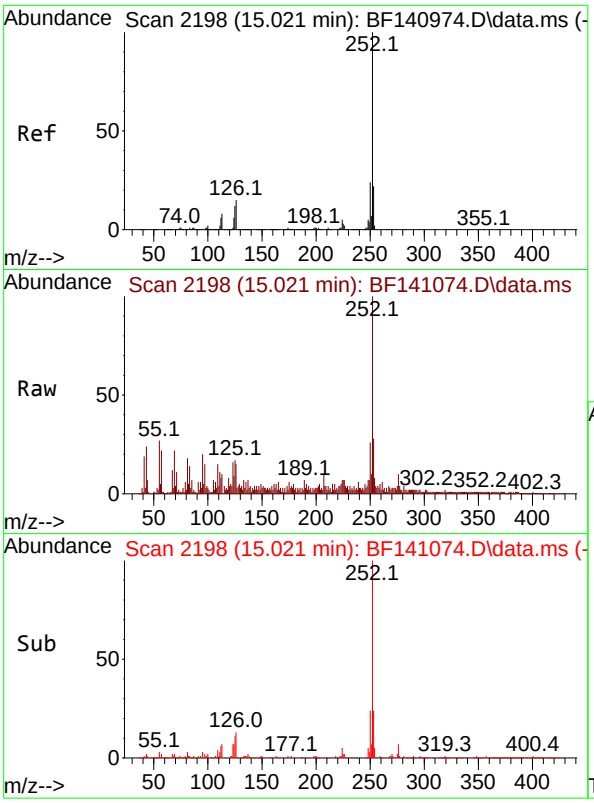


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.746 ng
RT: 16.892 min Scan# 2516
Delta R.T. -0.006 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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



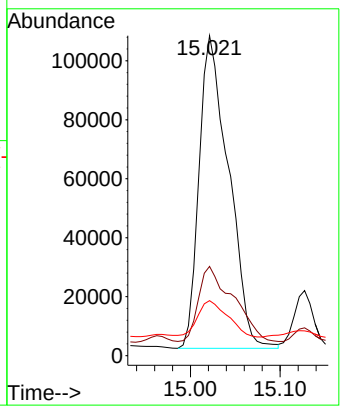


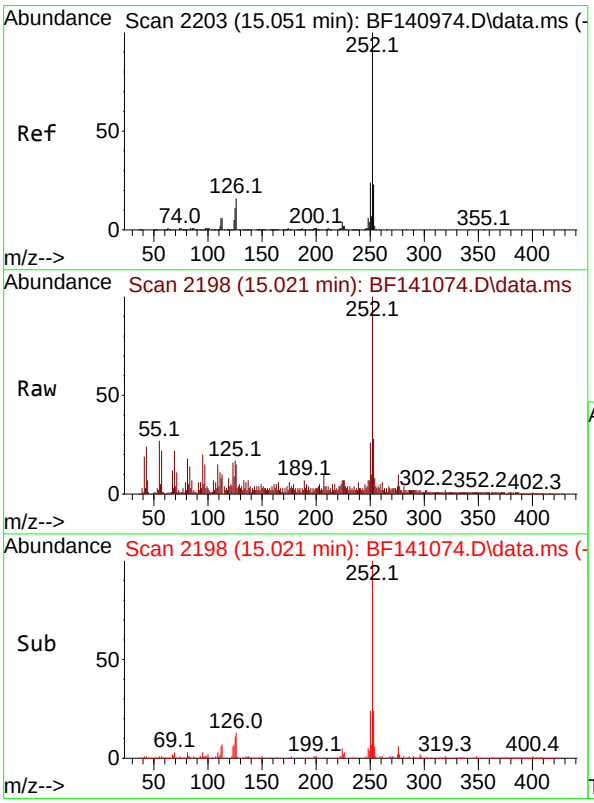
#88
Benzo(b)fluoranthene
Concen: 8.862 ng
RT: 15.021 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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

Tgt Ion:252 Resp: 241875

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

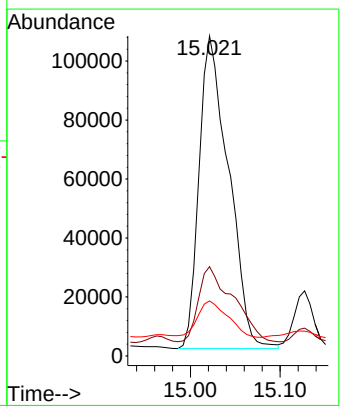


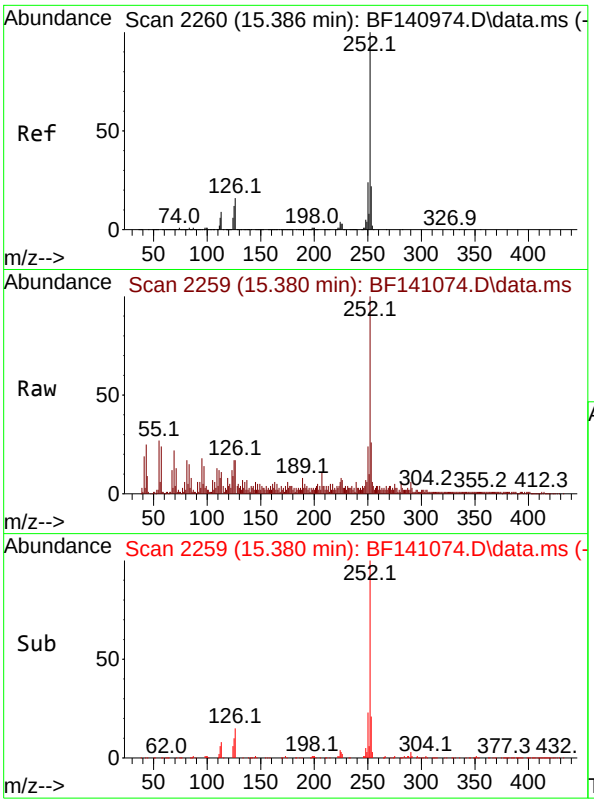


#89
Benzo(k)fluoranthene
Concen: 11.307 ng
RT: 15.021 min Scan# 2198
Delta R.T. -0.029 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

Tgt Ion:252 Resp: 241875

Ion	Ratio	Lower	Upper
252	100		
253	27.9	17.8	26.8#
125	17.2	9.4	14.0#



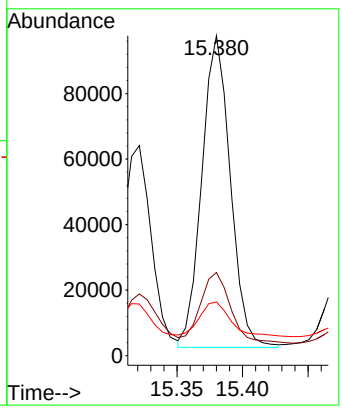


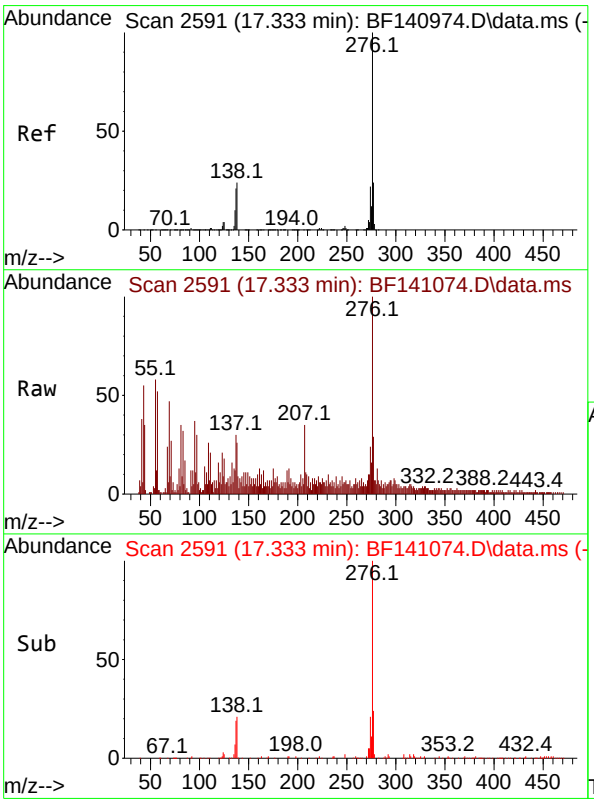
#90
Benzo(a)pyrene
Concen: 6.778 ng
RT: 15.380 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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

Tgt Ion: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# 2591
Delta R.T. -0.000 min
Lab File: BF141074.D
Acq: 06 Jan 2025 14:26

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