Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121025\
Data File : BG064928.D
Acq On : 10 Dec 2025 19:54
Operator : RC/JU
Sample : Q3812-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-120825

Quant Time: Dec 10 23:37:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.159	152	21853	20.000	ng		0.00
21) Naphthalene-d8	10.973	136	83927	20.000	ng		#-0.01
39) Acenaphthene-d10	14.763	164	72858	20.000	ng		-0.01
64) Phenanthrene-d10	17.495	188	173197	20.000	ng		# 0.00
76) Chrysene-d12	21.755	240	213755	20.000	ng		# 0.00
86) Perylene-d12	25.027	264	245409	20.000	ng		# 0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.691	112	93120	74.410	ng		0.00
7) Phenol-d6	7.301	99	119849	72.004	ng		0.00
23) Nitrobenzene-d5	9.316	82	79048	46.569	ng		-0.01
42) 2,4,6-Tribromophenol	16.243	330	130821	92.065	ng		0.00
45) 2-Fluorobiphenyl	13.394	172	269195	51.555	ng		-0.01
79) Terphenyl-d14	20.086	244	594400	54.700	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propyla...	9.316	70	11670	10.369	ng	#	67
31) Naphthalene	11.020	128	25410	5.341	ng	#	94
37) 2-Methylnaphthalene	12.612	142	16601	4.663	ng		96
38) 1-Methylnaphthalene	12.830	142	14597	4.127	ng		98
49) Acenaphthylene	14.493	152	37331	5.300	ng		99
51) 2,6-Dinitrotoluene	14.763	165	11040	9.969	ng	#	23
52) Acenaphthene	14.827	154	55952	13.249	ng		98
55) Dibenzofuran	15.156	168	91434	13.097	ng		95
56) 4-Nitrophenol	15.162	139	32979	38.028	ng	#	1
58) Fluorene	15.803	166	126056	23.021	ng		97
63) Azobenzene	16.102	77	15012	3.274	ng	#	1
67) 4-Bromophenyl-phenylether	16.243	248	7512	3.303	ng	#	1
71) Phenanthrene	17.548	178	1702240	179.633	ng		98
72) Anthracene	17.630	178	500253	51.772	ng		100
73) Carbazole	17.889	167	125909	15.158	ng		99
75) Fluoranthene	19.545	202	2748041	212.070	ng		94
78) Pyrene	19.904	202	2438702	203.563	ng		97
81) Benzo(a)anthracene	21.737	228	1561383	107.426	ng		99
83) Chrysene	21.808	228	1298101	94.732	ng		97
87) Indeno(1,2,3-cd)pyrene	28.776	276	821911	48.748	ng	#	96
88) Benzo(b)fluoranthene	23.999	252	1795008	114.936	ng	#	96
89) Benzo(k)fluoranthene	24.246	252	292520	18.644	ng		92
90) Benzo(a)pyrene	25.104	252	388033	26.784	ng		95
91) Dibenzo(a,h)anthracene	28.811	278	189951	13.752	ng	#	88
92) Benzo(g,h,i)perylene	29.939	276	769085	57.856	ng	#	95

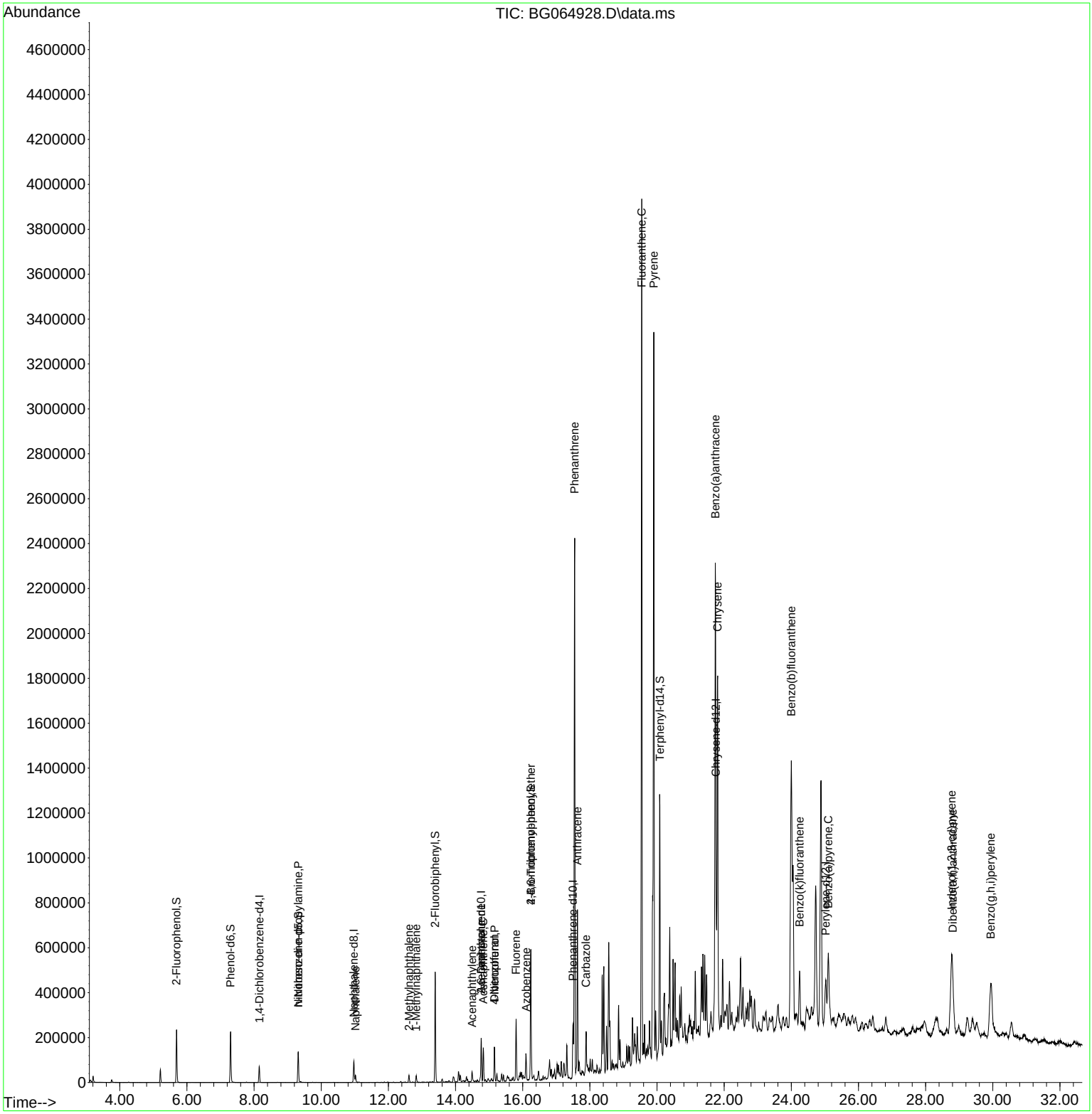
(#) = qualifier out of range (m) = manual integration (+) = signals summed

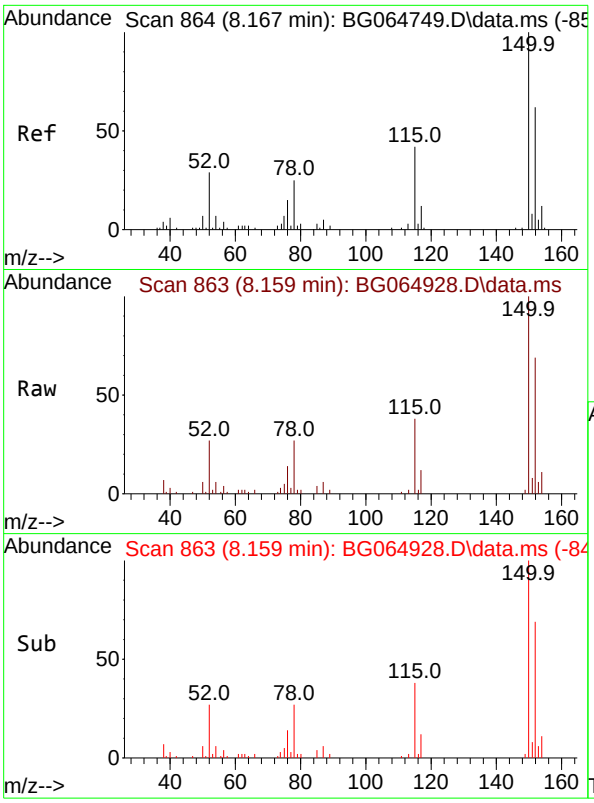
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121025\
Data File : BG064928.D
Acq On : 10 Dec 2025 19:54
Operator : RC/JU
Sample : Q3812-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-120825

Quant Time: Dec 10 23:37:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration



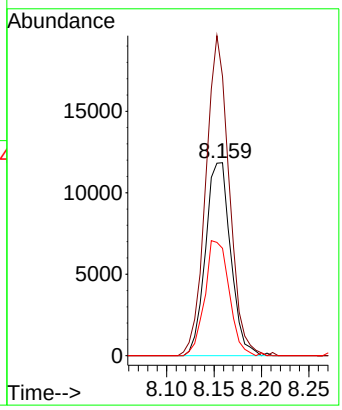


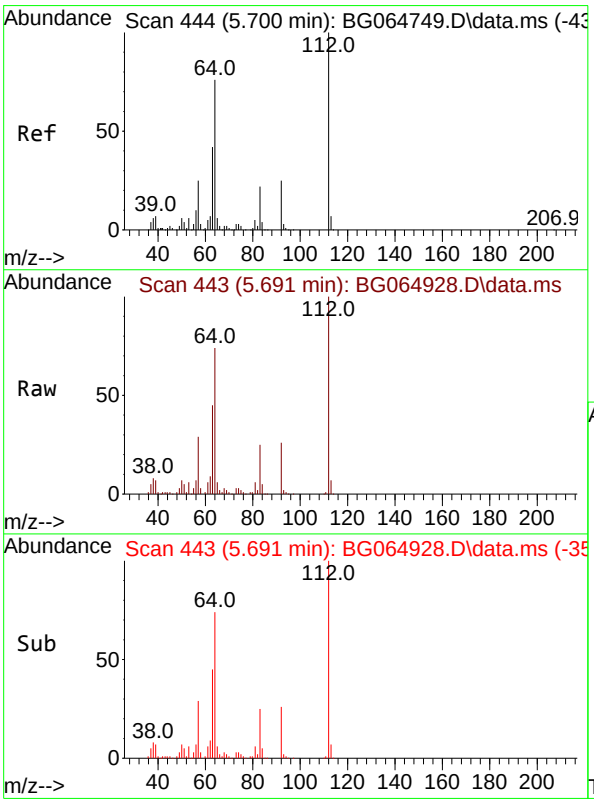
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.159 min Scan# 8
Delta R.T. -0.008 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Instrument :
BNA_G
ClientSampleId :
OR-02-120825

Tgt Ion:152 Resp: 21853

Ion	Ratio	Lower	Upper
152	100		
150	144.6	129.2	193.8
115	55.6	53.7	80.5

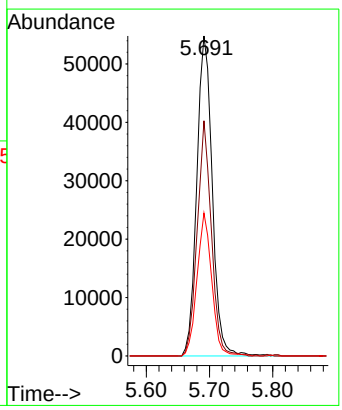


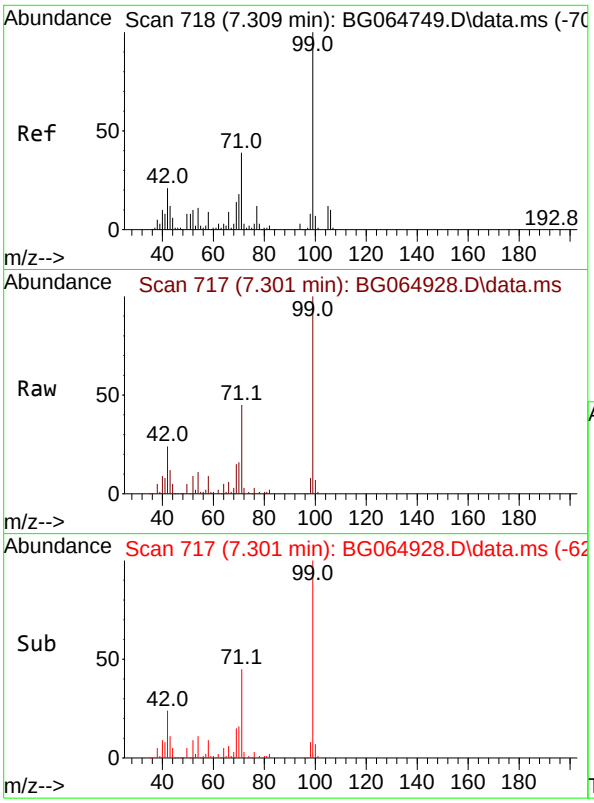


#5
2-Fluorophenol
Concen: 74.410 ng
RT: 5.691 min Scan# 443
Delta R.T. -0.008 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Tgt Ion:112 Resp: 93120

Ion	Ratio	Lower	Upper
112	100		
64	73.5	61.0	91.4
63	44.6	33.3	49.9



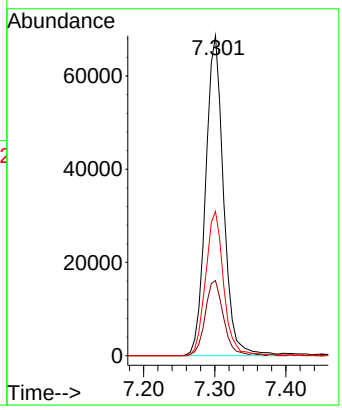


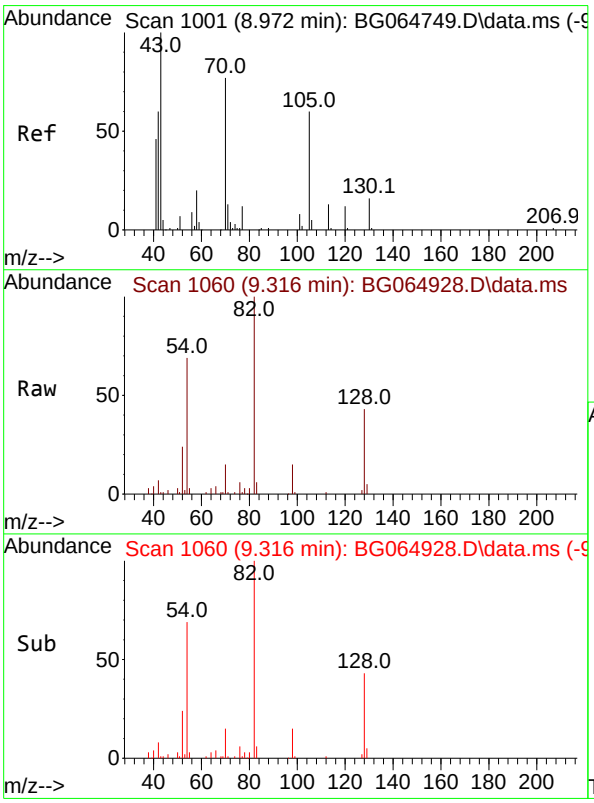
#7
Phenol-d6
Concen: 72.004 ng
RT: 7.301 min Scan# 7
Delta R.T. -0.008 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Instrument :
BNA_G
ClientSampleId :
OR-02-120825

Tgt Ion: 99 Resp: 119849

Ion	Ratio	Lower	Upper
99	100		
42	23.5	16.8	25.2
71	45.1	31.1	46.7

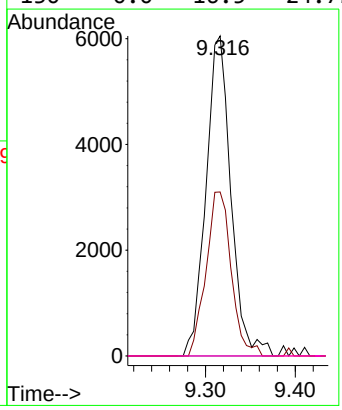


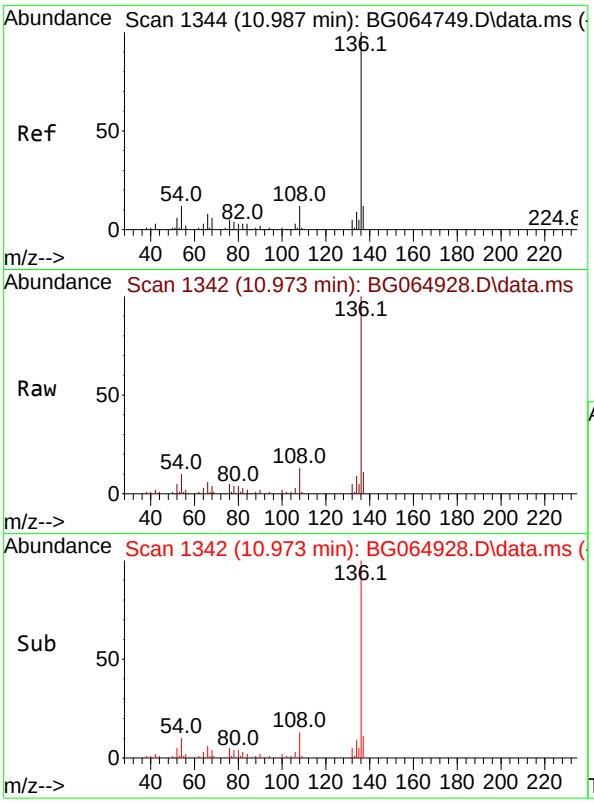


#19
n-Nitroso-di-n-propylamine
Concen: 10.369 ng
RT: 9.316 min Scan# 1060
Delta R.T. 0.344 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Tgt Ion: 70 Resp: 11670

Ion	Ratio	Lower	Upper
70	100		
42	51.3	62.6	93.8#
101	0.0	8.0	12.0#
130	0.0	16.5	24.7#



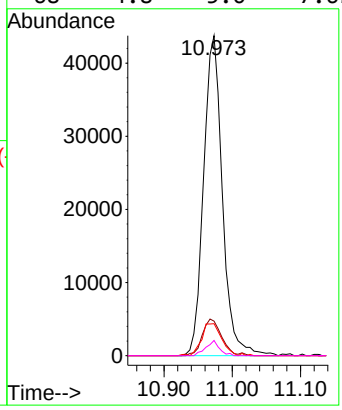


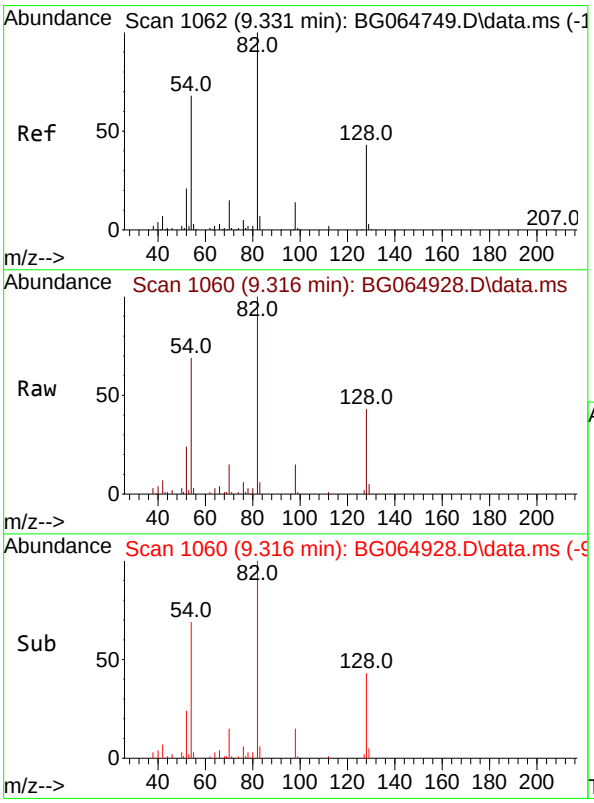
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.973 min Scan# 1
Delta R.T. -0.014 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Instrument :
BNA_G
ClientSampleId :
OR-02-120825

Tgt Ion:136 Resp: 83927

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.3	13.9
54	10.0	9.3	13.9
68	4.8	5.0	7.6#

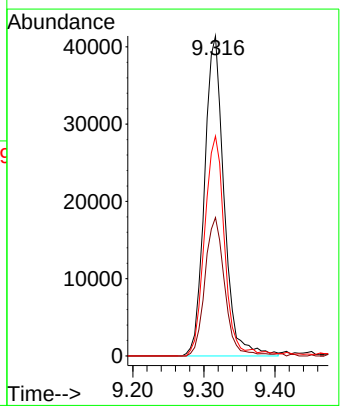


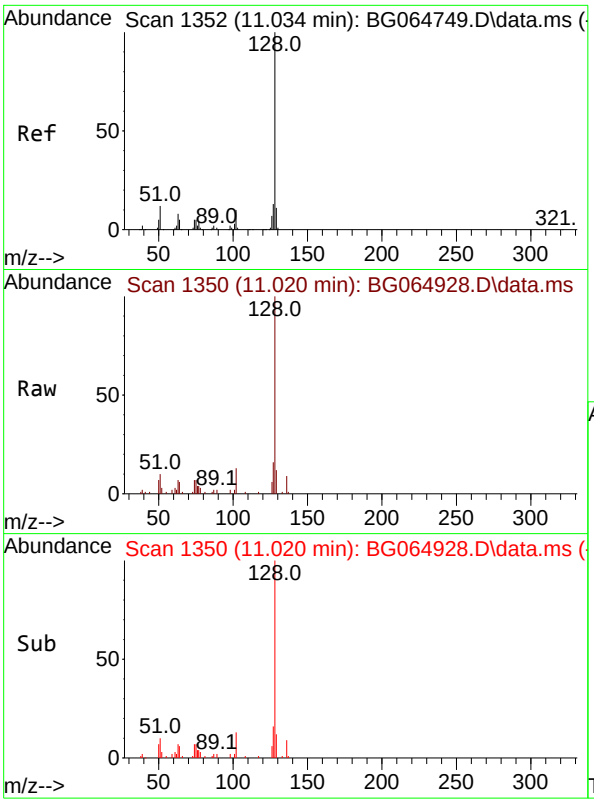


#23
Nitrobenzene-d5
Concen: 46.569 ng
RT: 9.316 min Scan# 1060
Delta R.T. -0.014 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Tgt Ion: 82 Resp: 79048

Ion	Ratio	Lower	Upper
82	100		
128	43.2	34.1	51.1
54	68.7	54.3	81.5



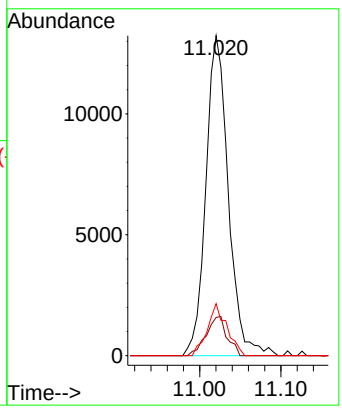


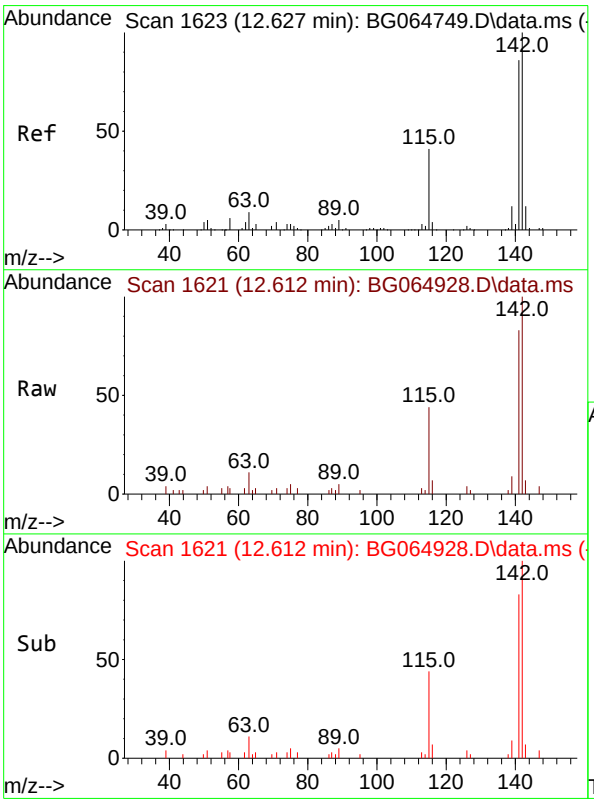
#31
Naphthalene
Concen: 5.341 ng
RT: 11.020 min Scan# 1
Delta R.T. -0.014 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Instrument :
BNA_G
ClientSampleId :
OR-02-120825

Tgt Ion:128 Resp: 25410

Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.6	12.8
127	16.2	10.6	16.0#

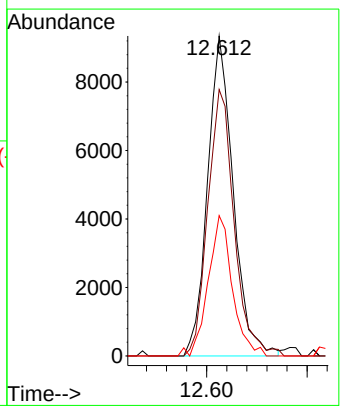


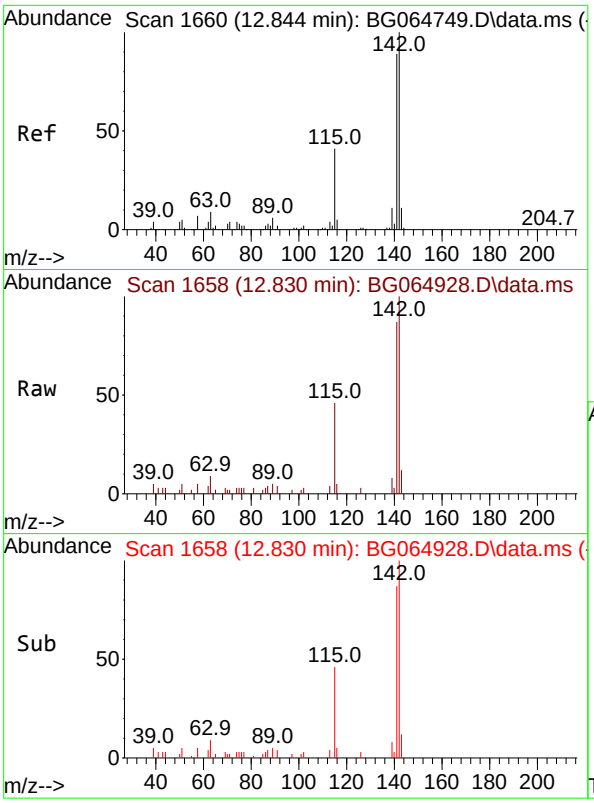


#37
2-Methylnaphthalene
Concen: 4.663 ng
RT: 12.612 min Scan# 1621
Delta R.T. -0.014 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Tgt Ion:142 Resp: 16601

Ion	Ratio	Lower	Upper
142	100		
141	83.3	69.1	103.7
115	43.9	32.9	49.3



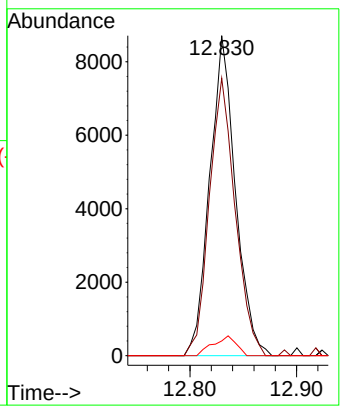


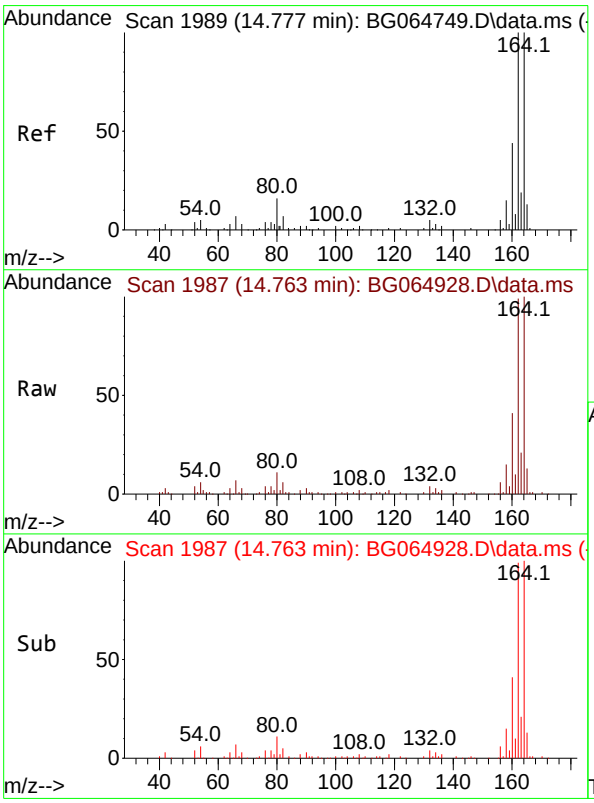
#38
1-Methylnaphthalene
Concen: 4.127 ng
RT: 12.830 min Scan# 1
Delta R.T. -0.014 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Instrument :
BNA_G
ClientSampleId :
OR-02-120825

Tgt Ion:142 Resp: 14597

Ion	Ratio	Lower	Upper
142	100		
141	86.7	70.8	106.2
116	4.6	3.7	5.5

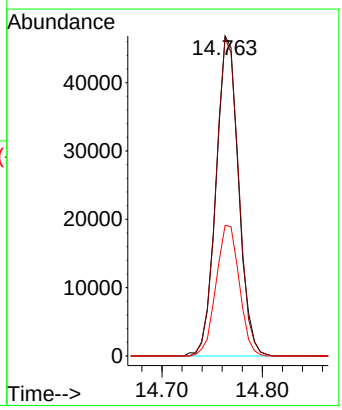


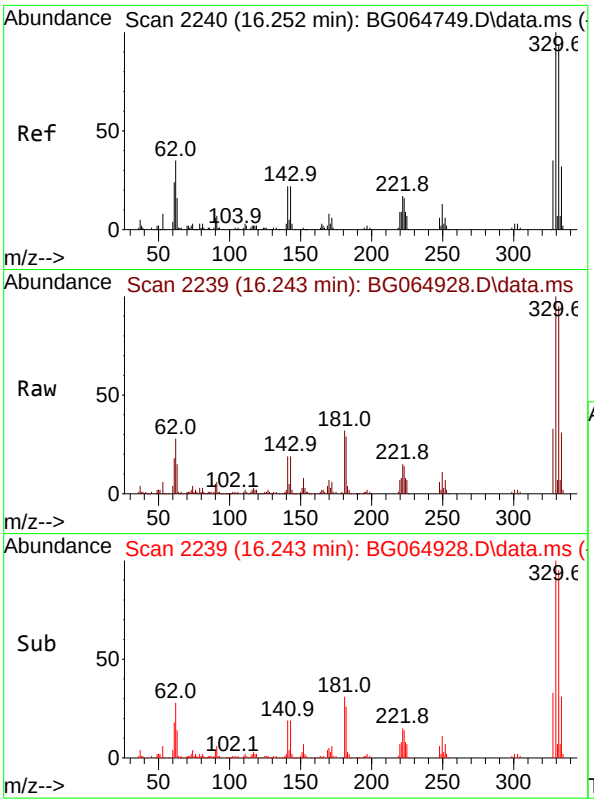


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.763 min Scan# 1987
Delta R.T. -0.014 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Tgt Ion:164 Resp: 72858

Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.8	119.6
160	40.8	34.9	52.3



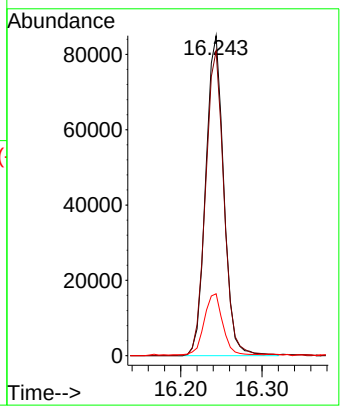


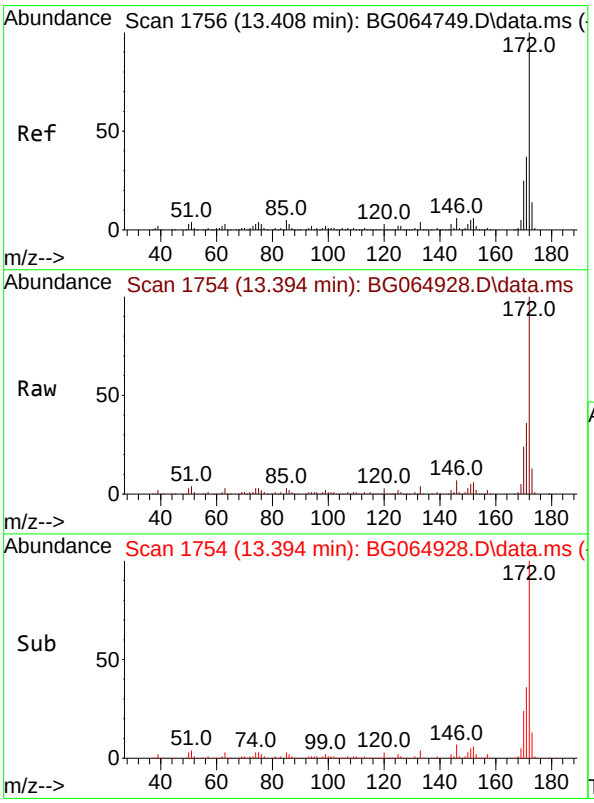
#42
2,4,6-Tribromophenol
Concen: 92.065 ng
RT: 16.243 min Scan# 2
Delta R.T. -0.008 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Instrument :
BNA_G
ClientSampleId :
OR-02-120825

Tgt Ion:330 Resp: 130821

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	20.1	18.2	27.2

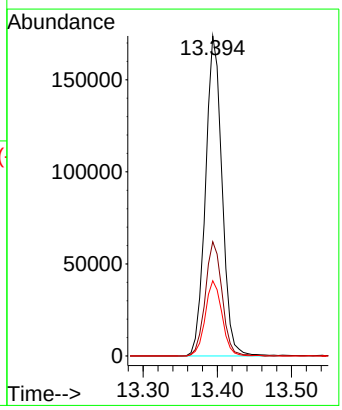


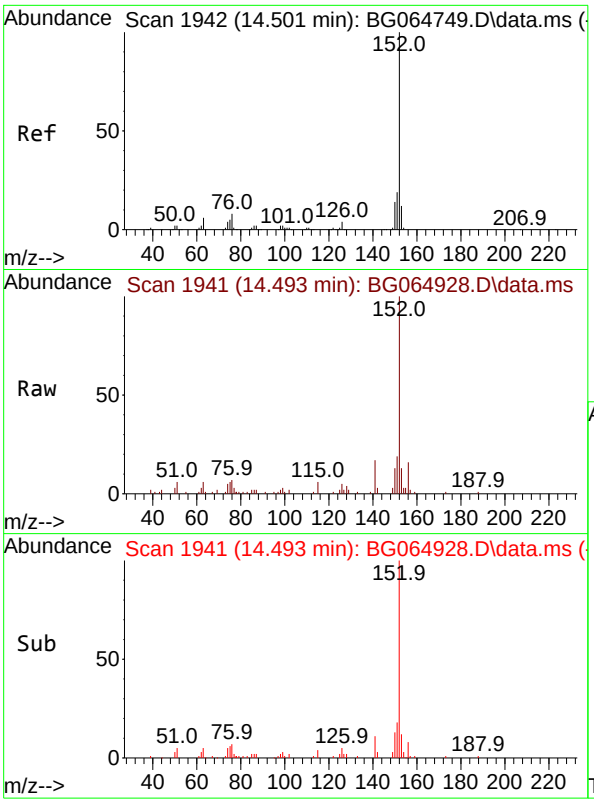


#45
2-Fluorobiphenyl
Concen: 51.555 ng
RT: 13.394 min Scan# 1754
Delta R.T. -0.014 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Tgt Ion:172 Resp: 269195

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.9	44.9
170	23.5	19.8	29.6



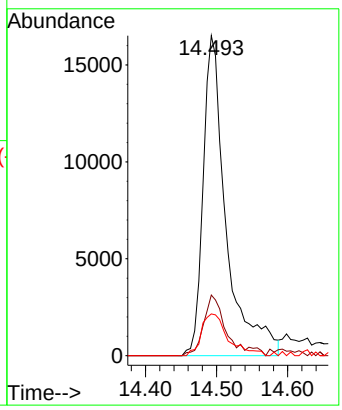


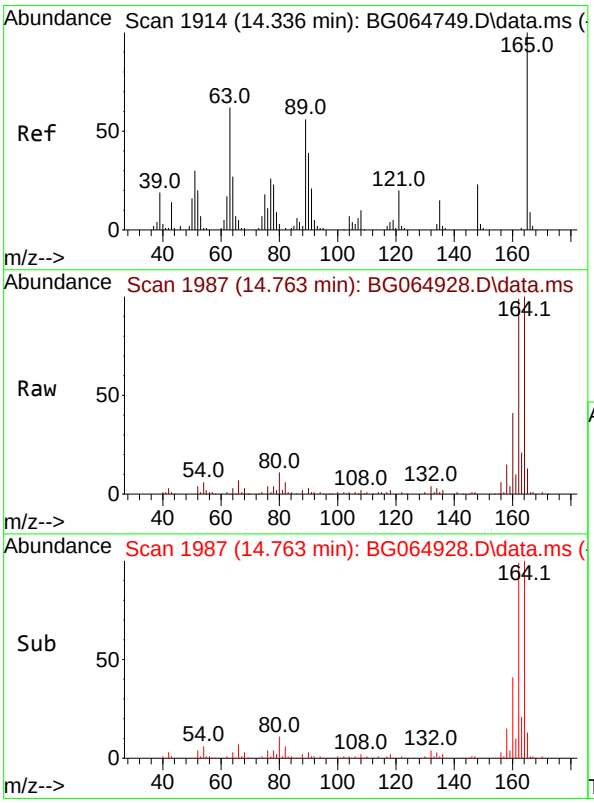
#49
Acenaphthylene
Concen: 5.300 ng
RT: 14.493 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Instrument :
BNA_G
ClientSampleId :
OR-02-120825

Tgt Ion:152 Resp: 37331

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.0	22.4
153	13.0	9.9	14.9

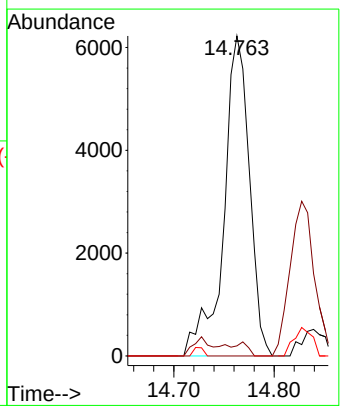


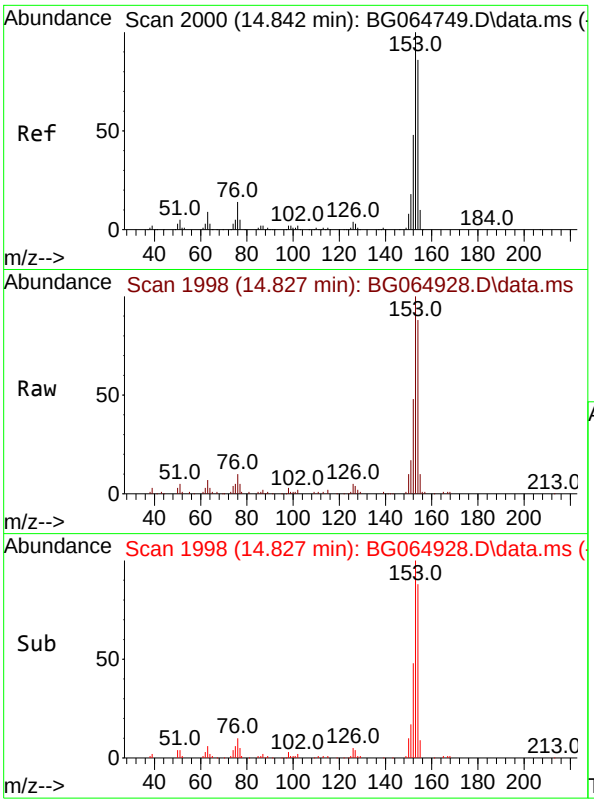


#51
2,6-Dinitrotoluene
Concen: 9.969 ng
RT: 14.763 min Scan# 1987
Delta R.T. 0.426 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Tgt Ion:165 Resp: 11040

Ion	Ratio	Lower	Upper
165	100		
63	3.2	49.8	74.8#
89	0.0	45.0	67.4#



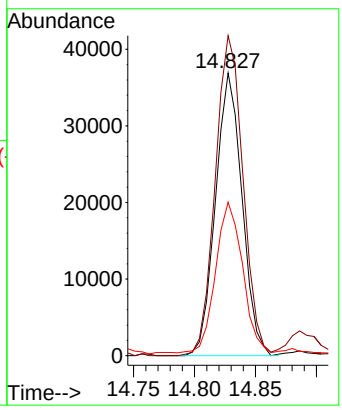


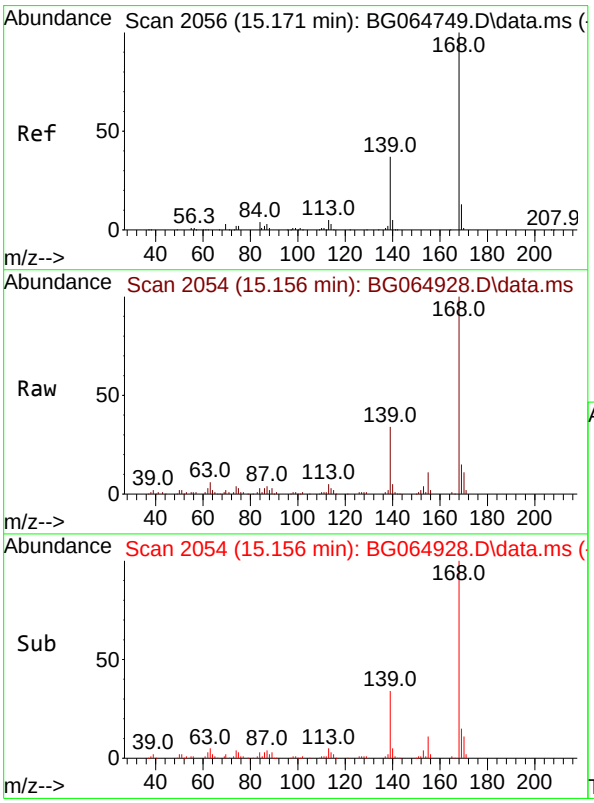
#52
Acenaphthene
Concen: 13.249 ng
RT: 14.827 min Scan# 1
Delta R.T. -0.014 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Instrument :
BNA_G
ClientSampleId :
OR-02-120825

Tgt Ion:154 Resp: 55952

Ion	Ratio	Lower	Upper
154	100		
153	113.2	93.0	139.4
152	54.2	44.4	66.6

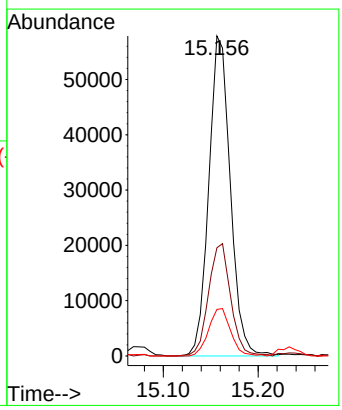


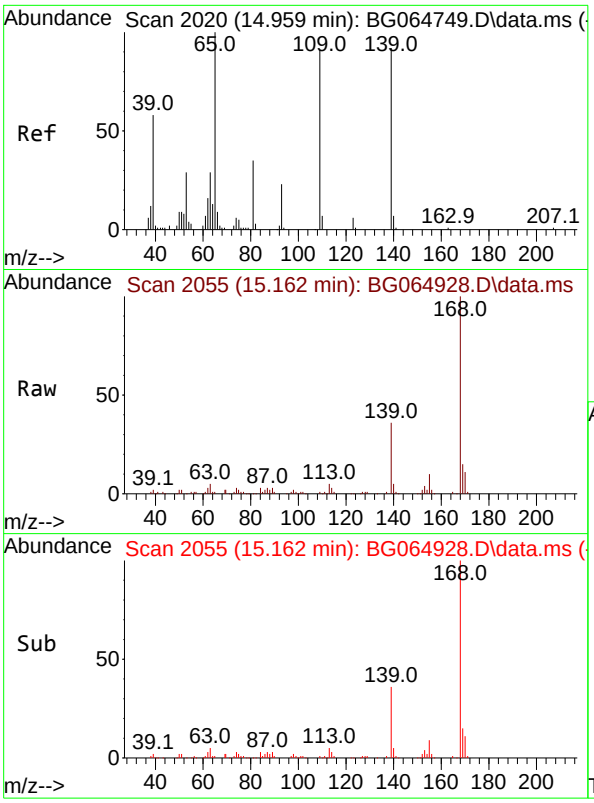


#55
Dibenzofuran
Concen: 13.097 ng
RT: 15.156 min Scan# 2054
Delta R.T. -0.014 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Tgt Ion:168 Resp: 91434

Ion	Ratio	Lower	Upper
168	100		
139	33.8	29.5	44.3
169	14.6	10.4	15.6



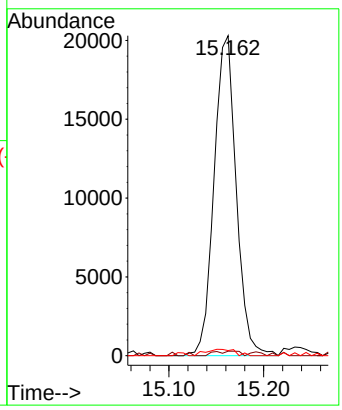


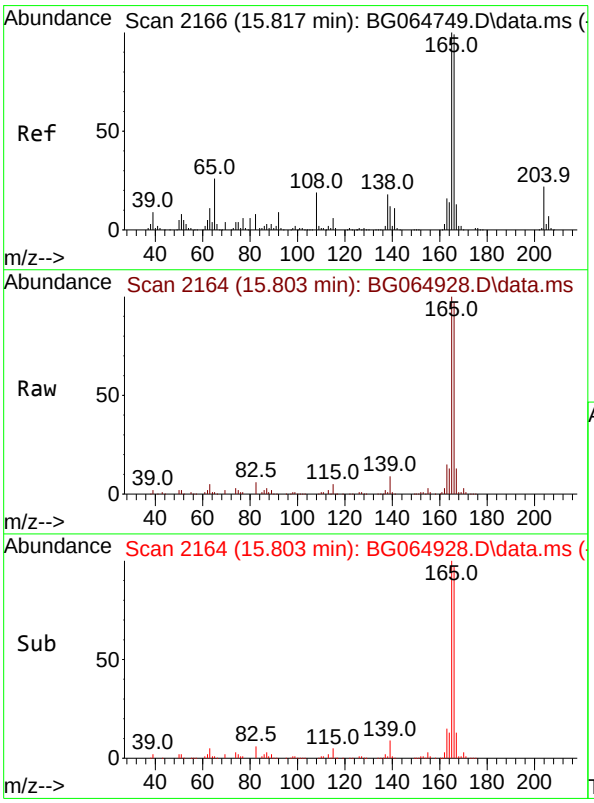
#56
4-Nitrophenol
Concen: 38.028 ng
RT: 15.162 min Scan# 2
Delta R.T. 0.203 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Instrument :
BNA_G
ClientSampleId :
OR-02-120825

Tgt Ion:139 Resp: 32979

Ion	Ratio	Lower	Upper
139	100		
109	1.4	79.7	119.7#
65	1.6	89.9	129.9#

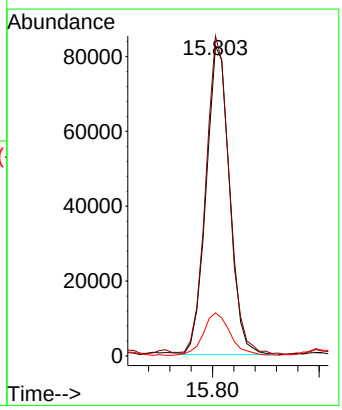


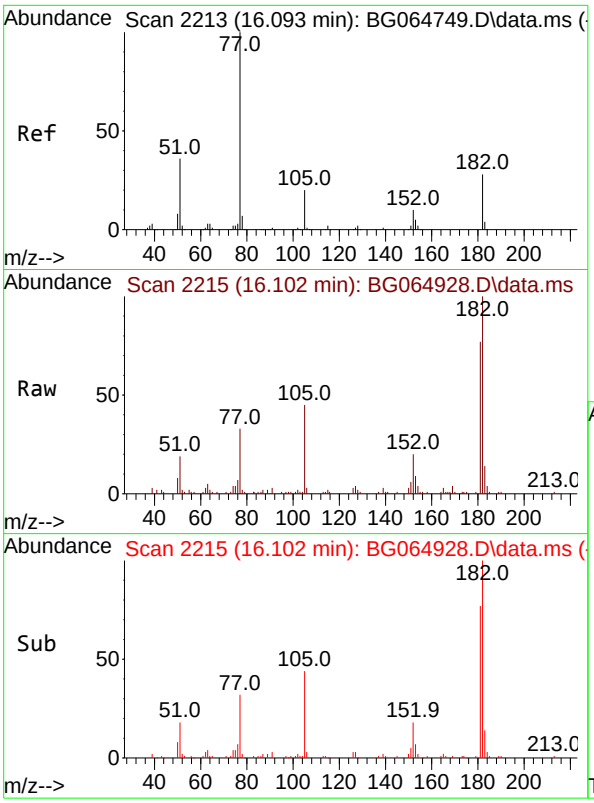


#58
Fluorene
Concen: 23.021 ng
RT: 15.803 min Scan# 2164
Delta R.T. -0.014 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Tgt Ion:166 Resp: 126056

Ion	Ratio	Lower	Upper
166	100		
165	103.3	80.5	120.7
167	13.9	10.3	15.5



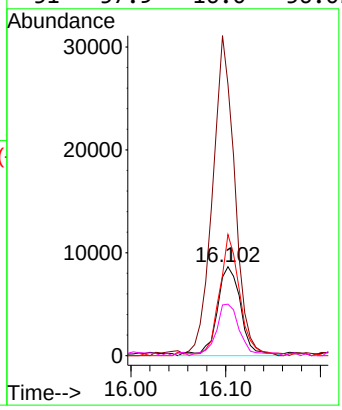


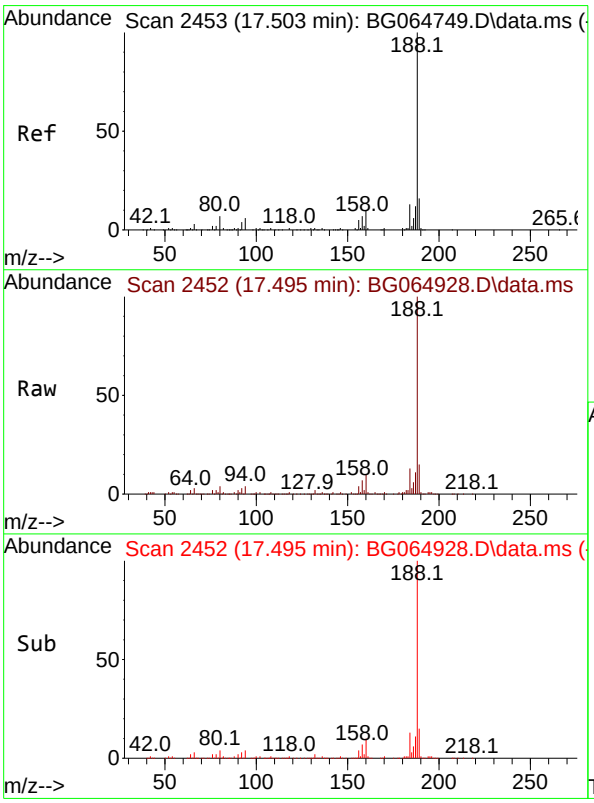
#63
Azobenzene
Concen: 3.274 ng
RT: 16.102 min Scan# 2
Delta R.T. 0.009 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Instrument :
BNA_G
ClientSampleId :
OR-02-120825

Tgt Ion: 77 Resp: 15012

Ion	Ratio	Lower	Upper
77	100		
182	304.9	8.1	48.1#
105	136.2	0.1	40.1#
51	57.9	16.0	56.0#

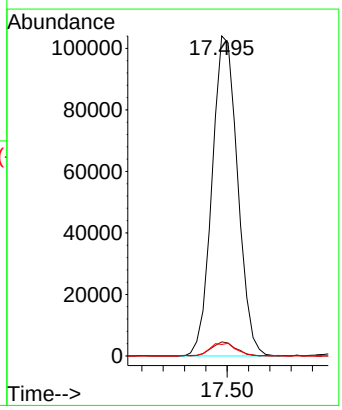


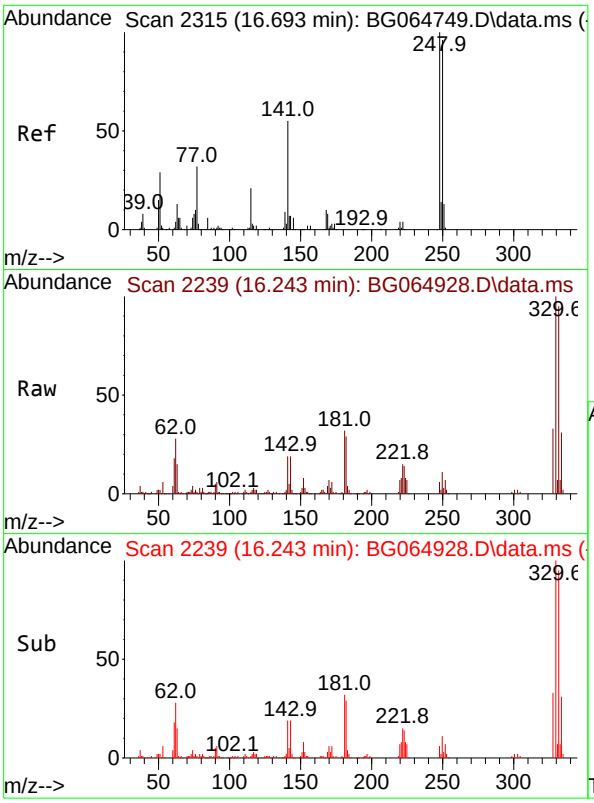


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.495 min Scan# 2452
Delta R.T. -0.008 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Tgt Ion:188 Resp: 173197

Ion	Ratio	Lower	Upper
188	100		
94	4.4	4.7	7.1#
80	3.6	5.4	8.2#



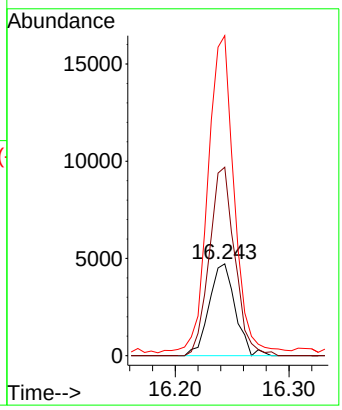


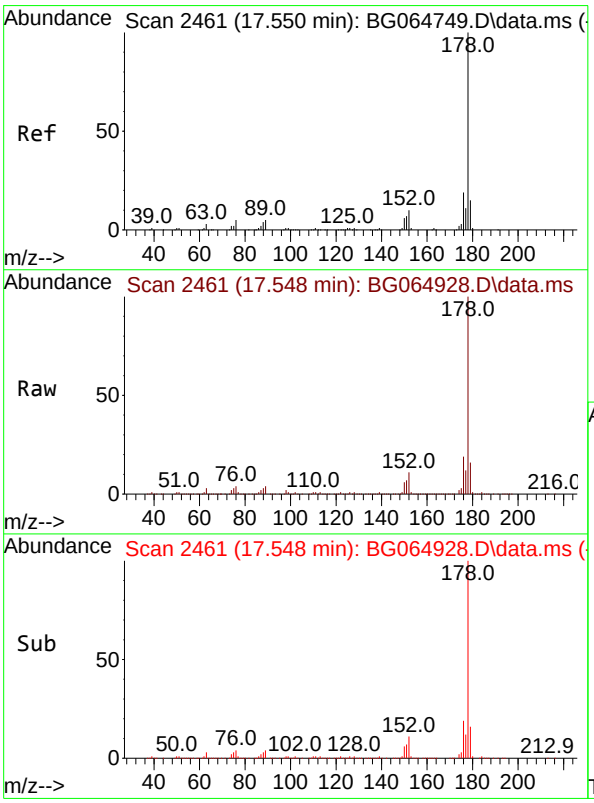
#67
4-Bromophenyl-phenylether
Concen: 3.303 ng
RT: 16.243 min Scan# 2
Delta R.T. -0.449 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Instrument :
BNA_G
ClientSampleId :
OR-02-120825

Tgt Ion:248 Resp: 7512

Ion	Ratio	Lower	Upper
248	100		
250	198.3	77.0	115.6#
141	258.1	43.7	65.5#

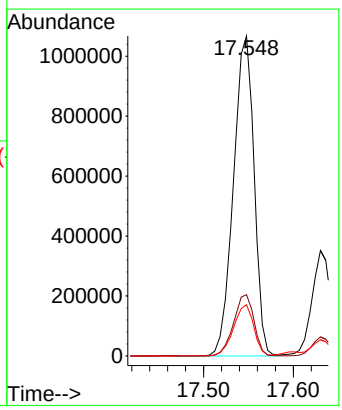


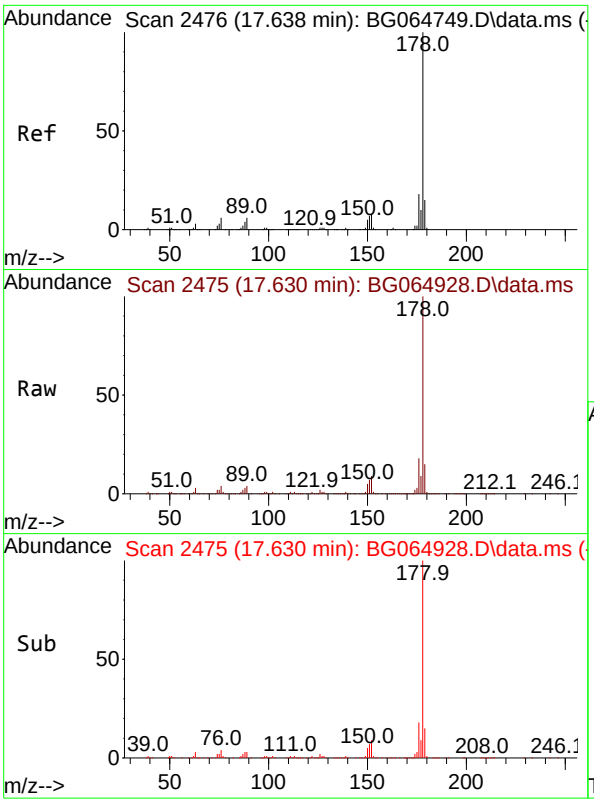


#71
Phenanthrene
Concen: 179.633 ng
RT: 17.548 min Scan# 2461
Delta R.T. -0.003 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Tgt Ion:178 Resp: 1702240

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.8	22.2
179	16.0	12.2	18.4



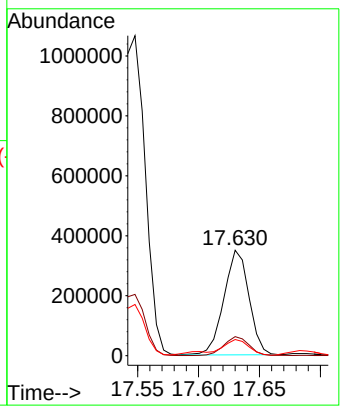


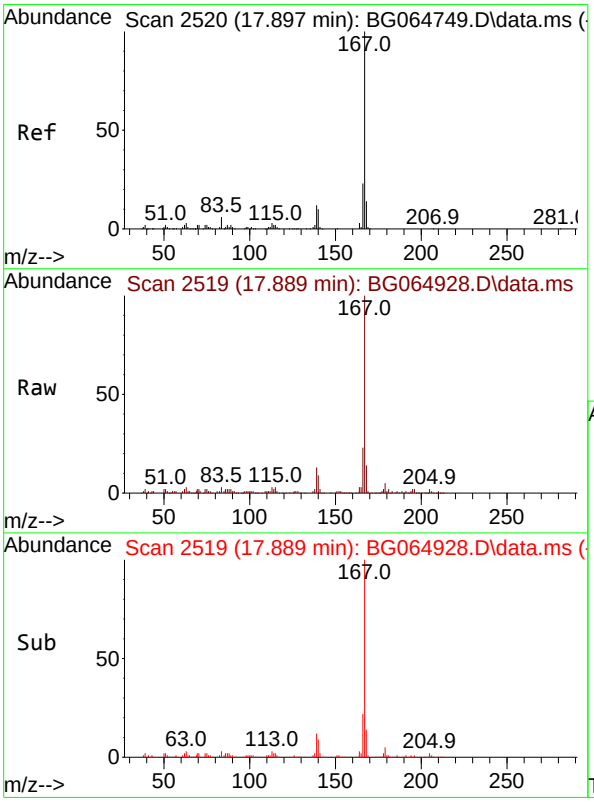
#72
Anthracene
Concen: 51.772 ng
RT: 17.630 min Scan# 24
Delta R.T. -0.008 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Instrument :
BNA_G
ClientSampleId :
OR-02-120825

Tgt Ion:178 Resp: 500253

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.5	21.7
179	15.3	12.2	18.4

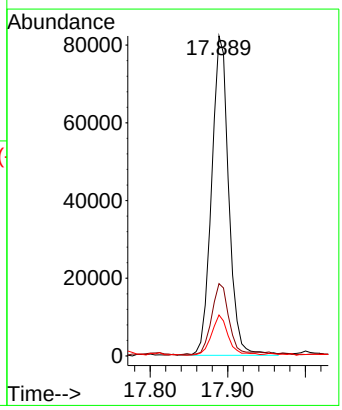


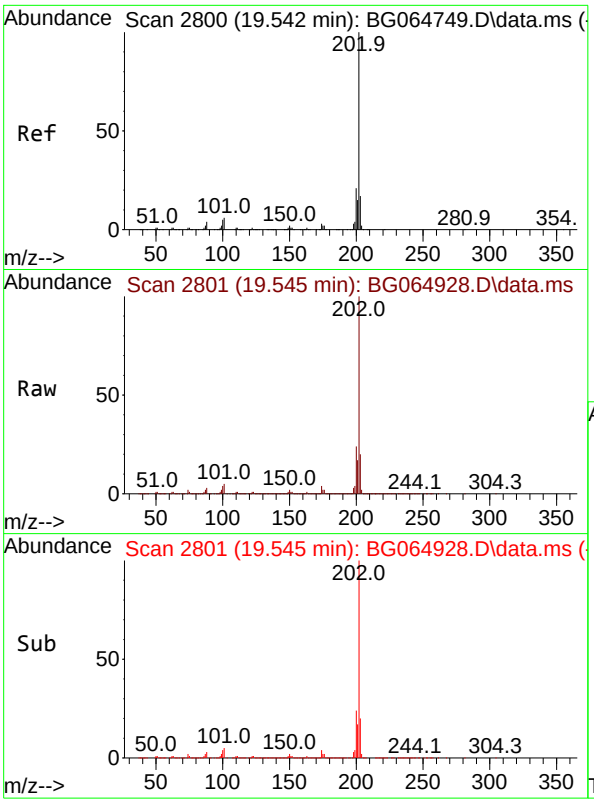


#73
Carbazole
Concen: 15.158 ng
RT: 17.889 min Scan# 2519
Delta R.T. -0.008 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Tgt Ion:167 Resp: 125909

Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.0	27.0
139	12.8	9.7	14.5



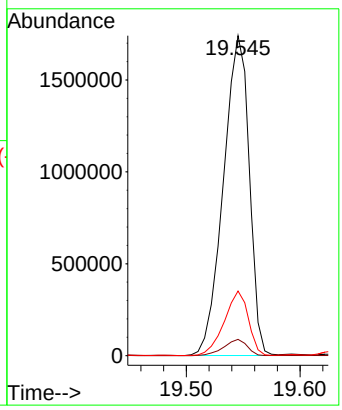


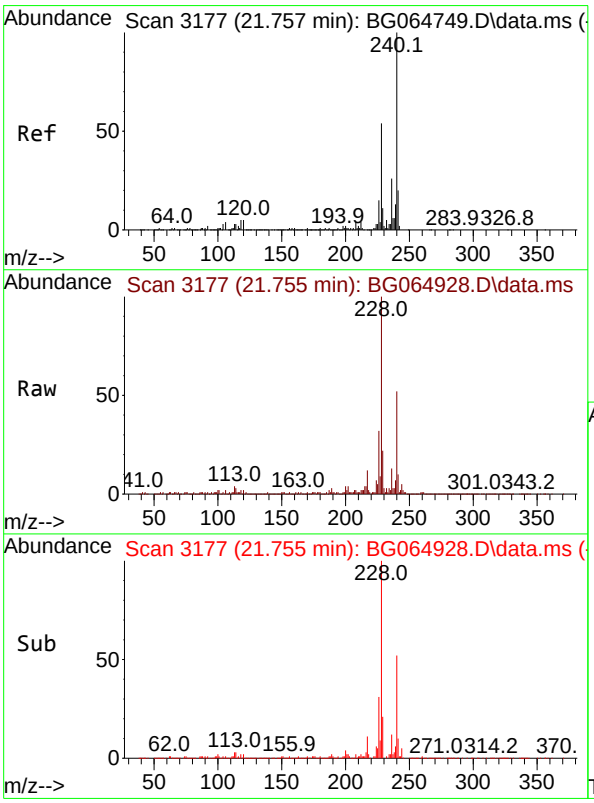
#75
Fluoranthene
Concen: 212.070 ng
RT: 19.545 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Instrument :
BNA_G
ClientSampleId :
OR-02-120825

Tgt Ion:202 Resp: 2748041

Ion	Ratio	Lower	Upper
202	100		
101	5.1	0.0	26.4
203	20.2	0.0	37.5

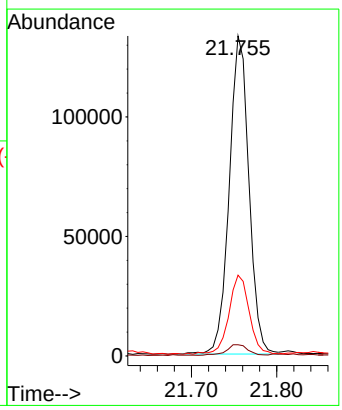


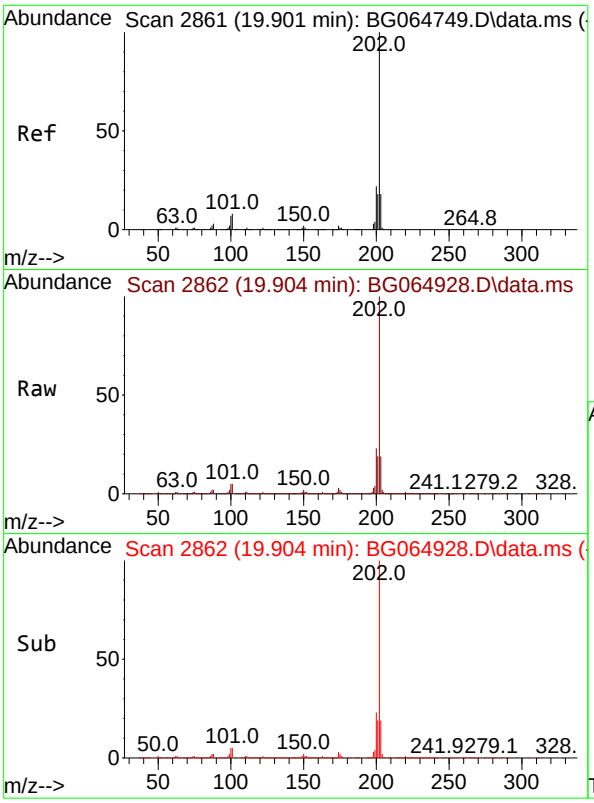


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.755 min Scan# 3177
Delta R.T. -0.003 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Tgt Ion:240 Resp: 213755

Ion	Ratio	Lower	Upper
240	100		
120	3.5	4.2	6.4#
236	25.3	20.8	31.2



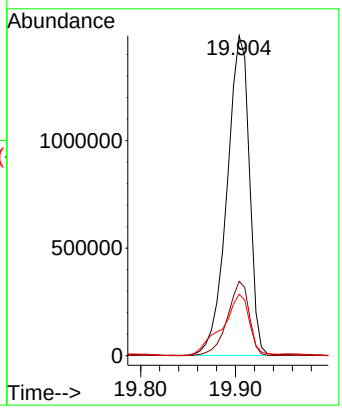


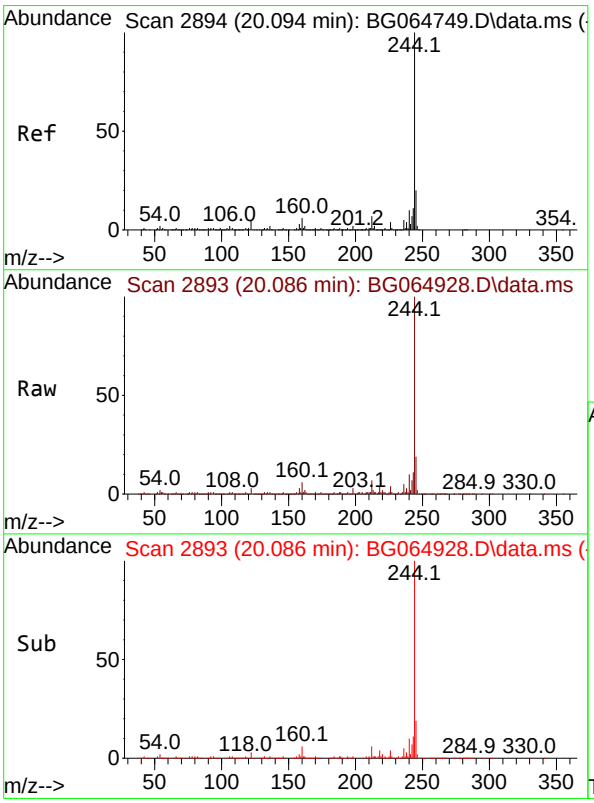
#78
Pyrene
Concen: 203.563 ng
RT: 19.904 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Instrument :
BNA_G
ClientSampleId :
OR-02-120825

Tgt Ion:202 Resp: 2438702

Ion	Ratio	Lower	Upper
202	100		
200	23.2	17.9	26.9
203	19.2	14.0	21.0

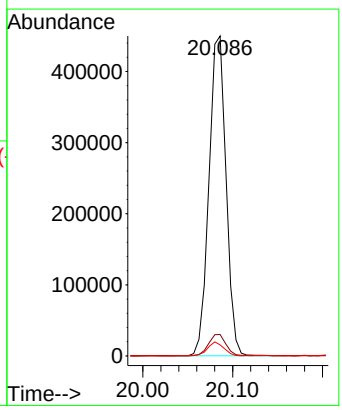


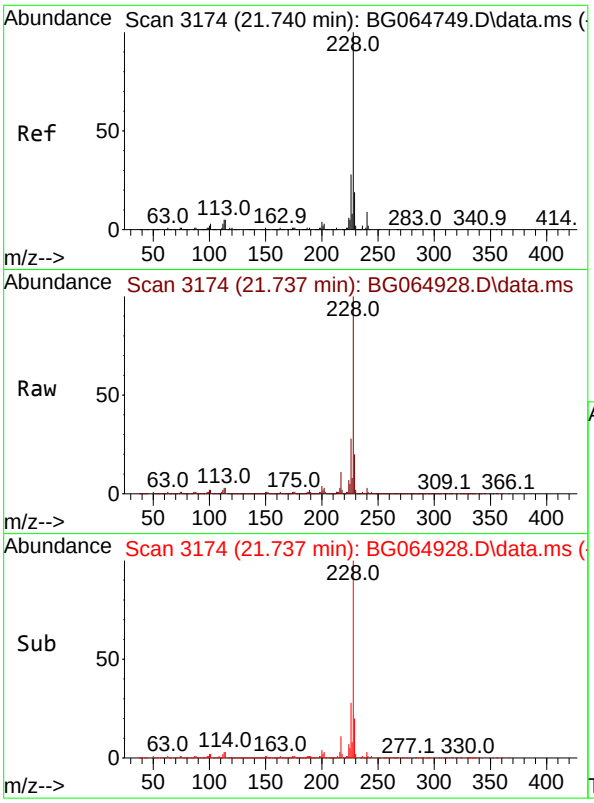


#79
Terphenyl-d14
Concen: 54.700 ng
RT: 20.086 min Scan# 2893
Delta R.T. -0.008 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Tgt Ion:244 Resp: 594400

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	3.5	4.3	6.5#



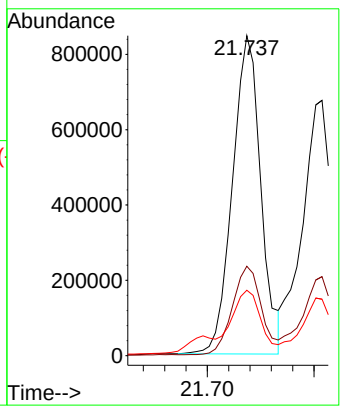


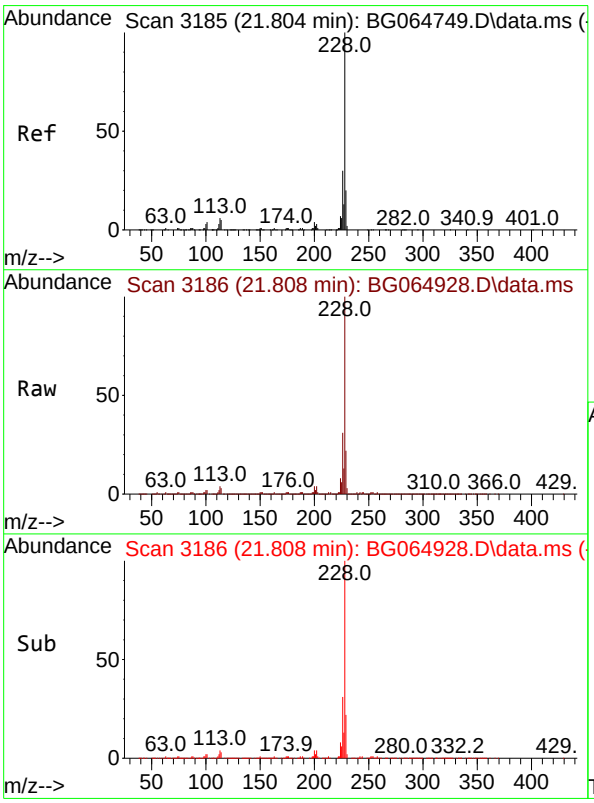
#81
Benzo(a)anthracene
Concen: 107.426 ng
RT: 21.737 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Instrument :
BNA_G
ClientSampleId :
OR-02-120825

Tgt Ion:228 Resp: 1561383

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.1	33.1
229	20.4	15.5	23.3

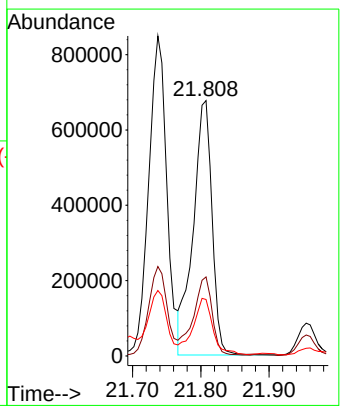


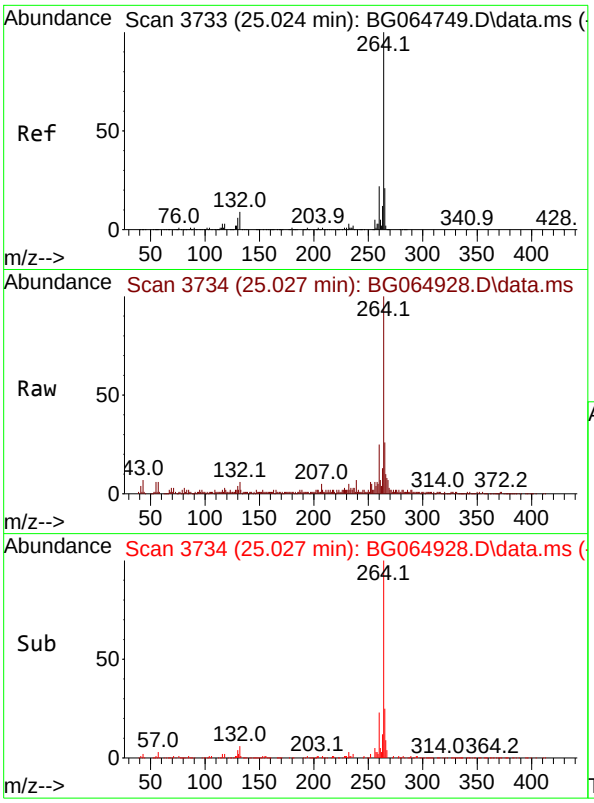


#83
Chrysene
Concen: 94.732 ng
RT: 21.808 min Scan# 3186
Delta R.T. 0.003 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Tgt Ion:228 Resp: 1298101

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.2	36.2
229	22.1	16.0	24.0



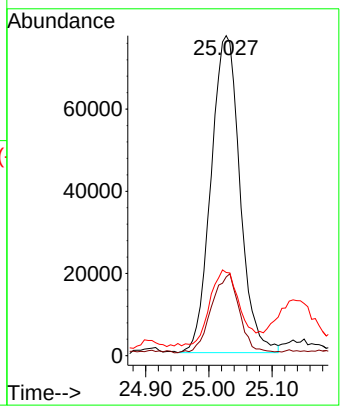


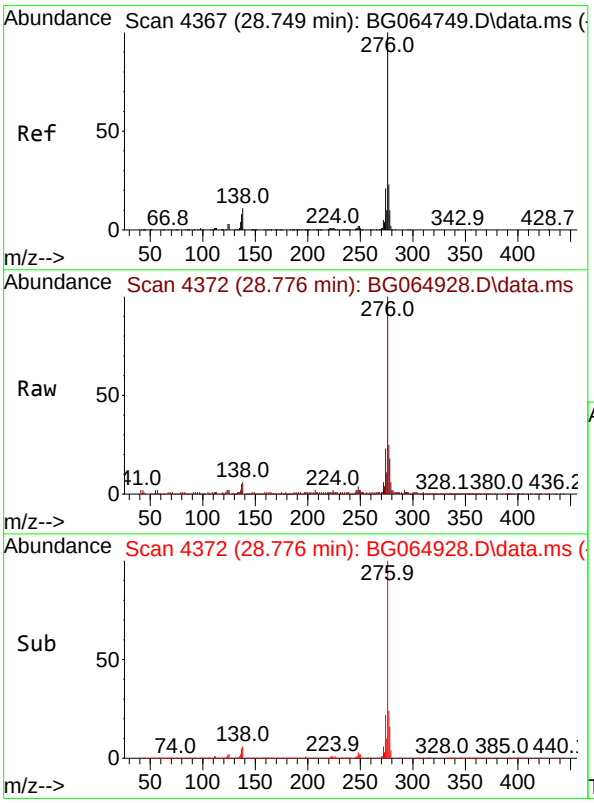
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.027 min Scan# 3
Delta R.T. 0.003 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Instrument :
BNA_G
ClientSampleId :
OR-02-120825

Tgt Ion:264 Resp: 245409

Ion	Ratio	Lower	Upper
264	100		
260	24.6	17.2	25.8
265	26.0	16.6	25.0#

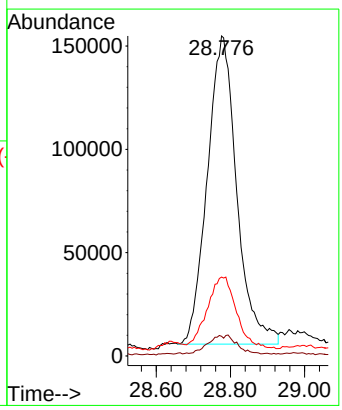


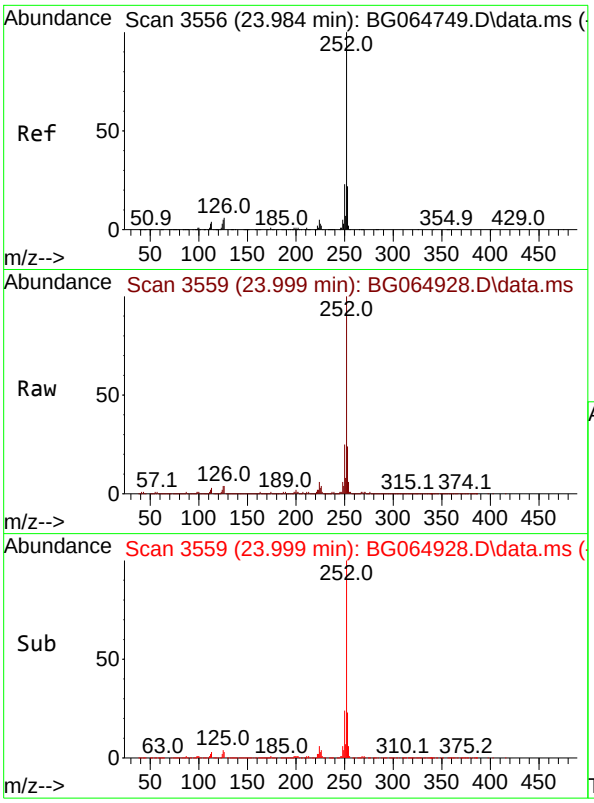


#87
Indeno(1,2,3-cd)pyrene
Concen: 48.748 ng
RT: 28.776 min Scan# 4372
Delta R.T. 0.027 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Tgt Ion:276 Resp: 821911

Ion	Ratio	Lower	Upper
276	100		
138	3.2	4.5	6.7#
277	23.3	20.0	30.0



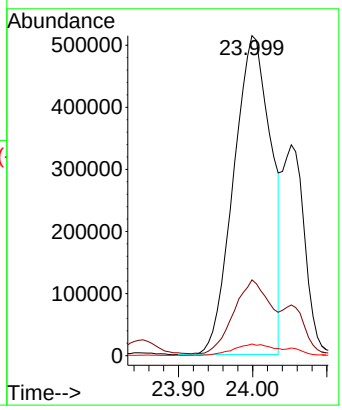


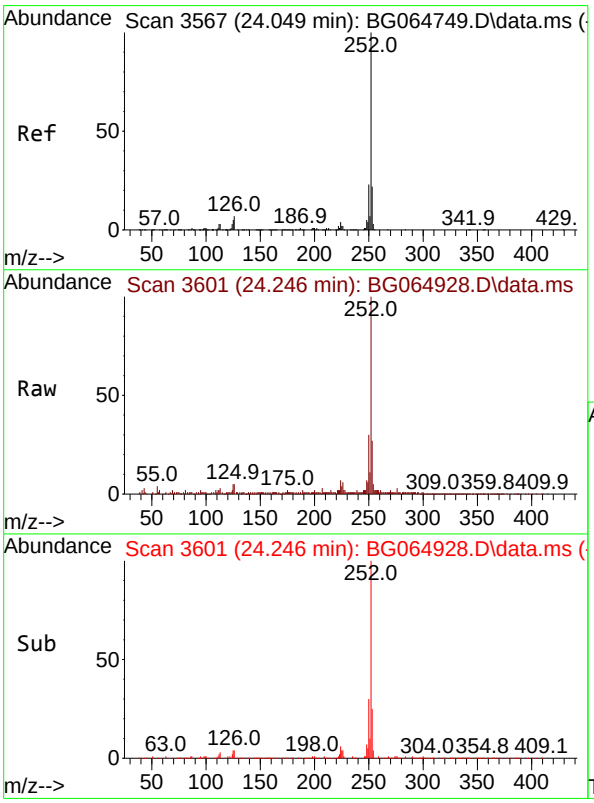
#88
Benzo(b)fluoranthene
Concen: 114.936 ng
RT: 23.999 min Scan# 3
Delta R.T. 0.015 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Instrument :
BNA_G
ClientSampleId :
OR-02-120825

Tgt Ion:252 Resp: 1795008

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.2
125	3.6	4.2	6.2#

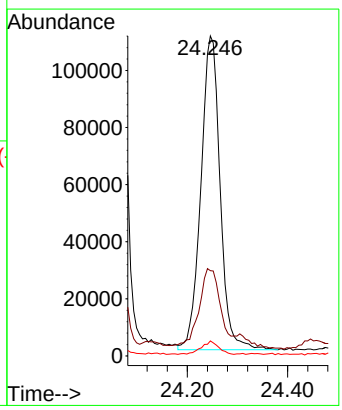


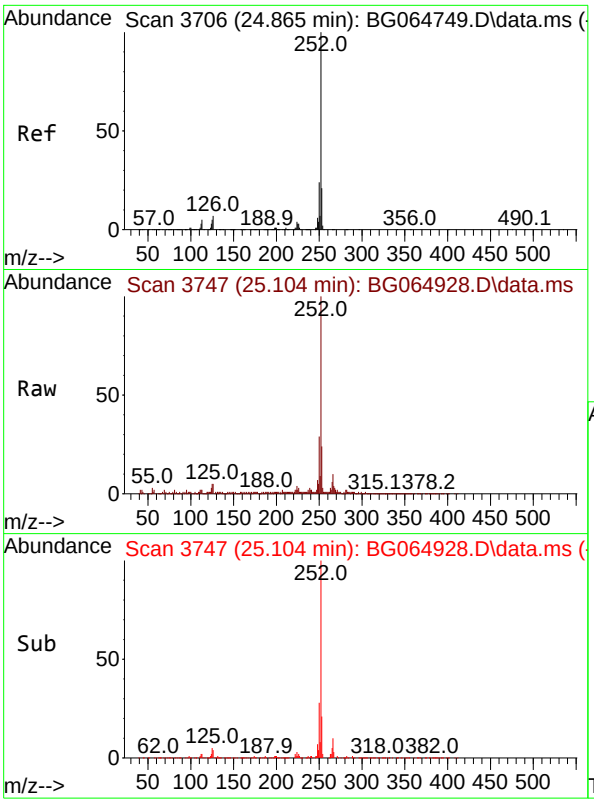


#89
Benzo(k)fluoranthene
Concen: 18.644 ng
RT: 24.246 min Scan# 3601
Delta R.T. 0.197 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Tgt Ion:252 Resp: 292520

Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.8	26.8
125	4.7	4.1	6.1



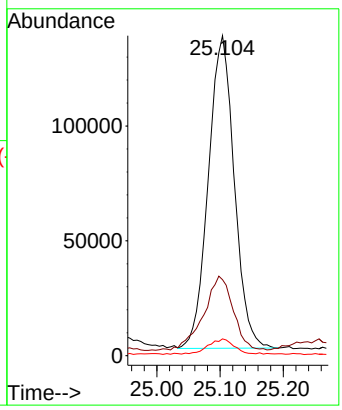


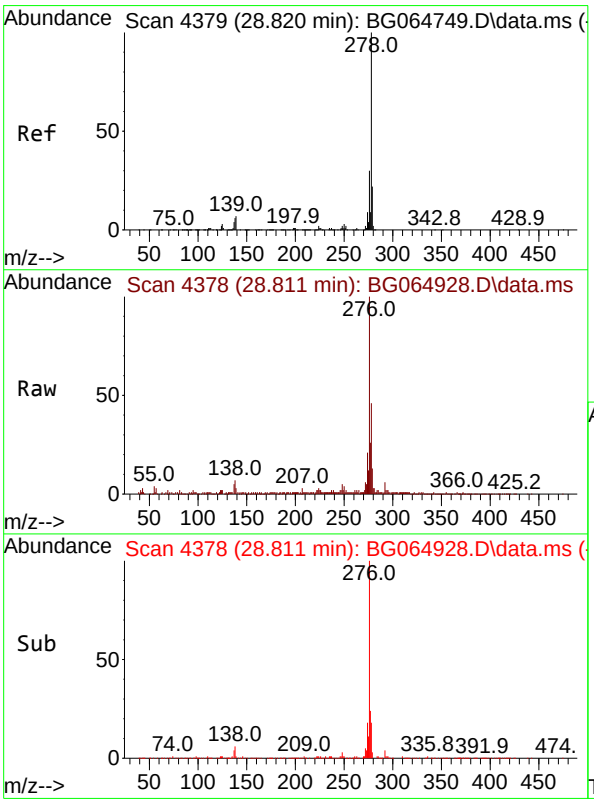
#90
Benzo(a)pyrene
Concen: 26.784 ng
RT: 25.104 min Scan# 3
Delta R.T. 0.238 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Instrument :
BNA_G
ClientSampleId :
OR-02-120825

Tgt Ion:252 Resp: 388033

Ion	Ratio	Lower	Upper
252	100		
253	23.8	16.9	25.3
125	5.2	4.2	6.4

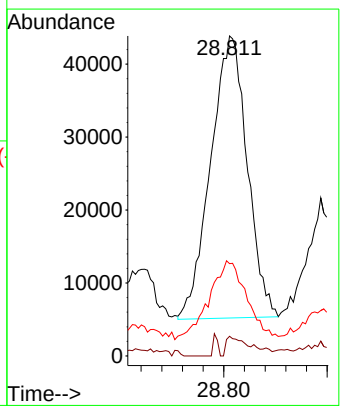


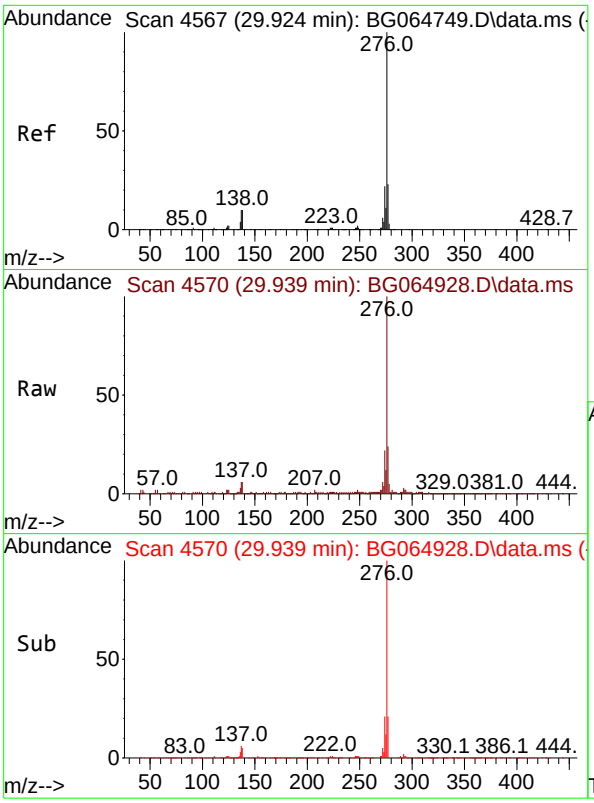


#91
Dibenzo(a,h)anthracene
Concen: 13.752 ng
RT: 28.811 min Scan# 4378
Delta R.T. -0.008 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Tgt Ion:278 Resp: 189951

Ion	Ratio	Lower	Upper
278	100		
139	6.1	5.8	8.8
279	28.9	17.3	25.9#





#92
Benzo(g,h,i)perylene
Concen: 57.856 ng
RT: 29.939 min Scan# 4
Delta R.T. 0.015 min
Lab File: BG064928.D
Acq: 10 Dec 2025 19:54

Instrument :
BNA_G
ClientSampleId :
OR-02-120825

Tgt Ion:276 Resp: 769085

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.0	27.0
138	6.1	8.2	12.2#