Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112125\
Data File : BG064845.D
Acq On : 21 Nov 2025 15:57
Operator : RC/JU
Sample : Q3697-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MOO-25-0331

Quant Time: Nov 21 16:35:11 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	8.163	152	50616	20.000	ng	0.00
21) Naphthalene-d8	10.978	136	191729	20.000	ng	0.00
39) Acenaphthene-d10	14.779	164	142889	20.000	ng	0.00
64) Phenanthrene-d10	17.529	188	274156	20.000	ng	# 0.03
76) Chrysene-d12	21.771	240	325988	20.000	ng	# 0.01
86) Perylene-d12	25.014	264	366970	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.702	112	131342	45.312	ng	0.00
7) Phenol-d6	7.306	99	165495	42.927	ng	0.00
23) Nitrobenzene-d5	9.321	82	108193	27.901	ng	0.00
42) 2,4,6-Tribromophenol	16.266	330	115531	41.457	ng	0.01
45) 2-Fluorobiphenyl	13.404	172	329298	32.157	ng	0.00
79) Terphenyl-d14	20.114	244	559900	33.786	ng	0.02
Target Compounds						Qvalue
71) Phenanthrene	17.576	178	260272	17.351	ng	# 68
75) Fluoranthene	19.573	202	411683	20.071	ng	90
78) Pyrene	19.926	202	340269	18.624	ng	# 91
81) Benzo(a)anthracene	21.747	228	157590	7.110	ng	# 96
83) Chrysene	21.818	228	230584	11.034	ng	95
84) Bis(2-ethylhexyl)phtha...	21.636	149	34605	3.685	ng	# 76
87) Indeno(1,2,3-cd)pyrene	28.733	276	137446	5.452	ng	# 95
88) Benzo(b)fluoranthene	23.986	252	306140	13.109	ng	# 96
89) Benzo(k)fluoranthene	24.045	252	96637m	4.119	ng	
90) Benzo(a)pyrene	24.861	252	167183	7.717	ng	# 94
92) Benzo(g,h,i)perylene	29.891	276	140501	7.068	ng	95

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

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Sample : Q3697-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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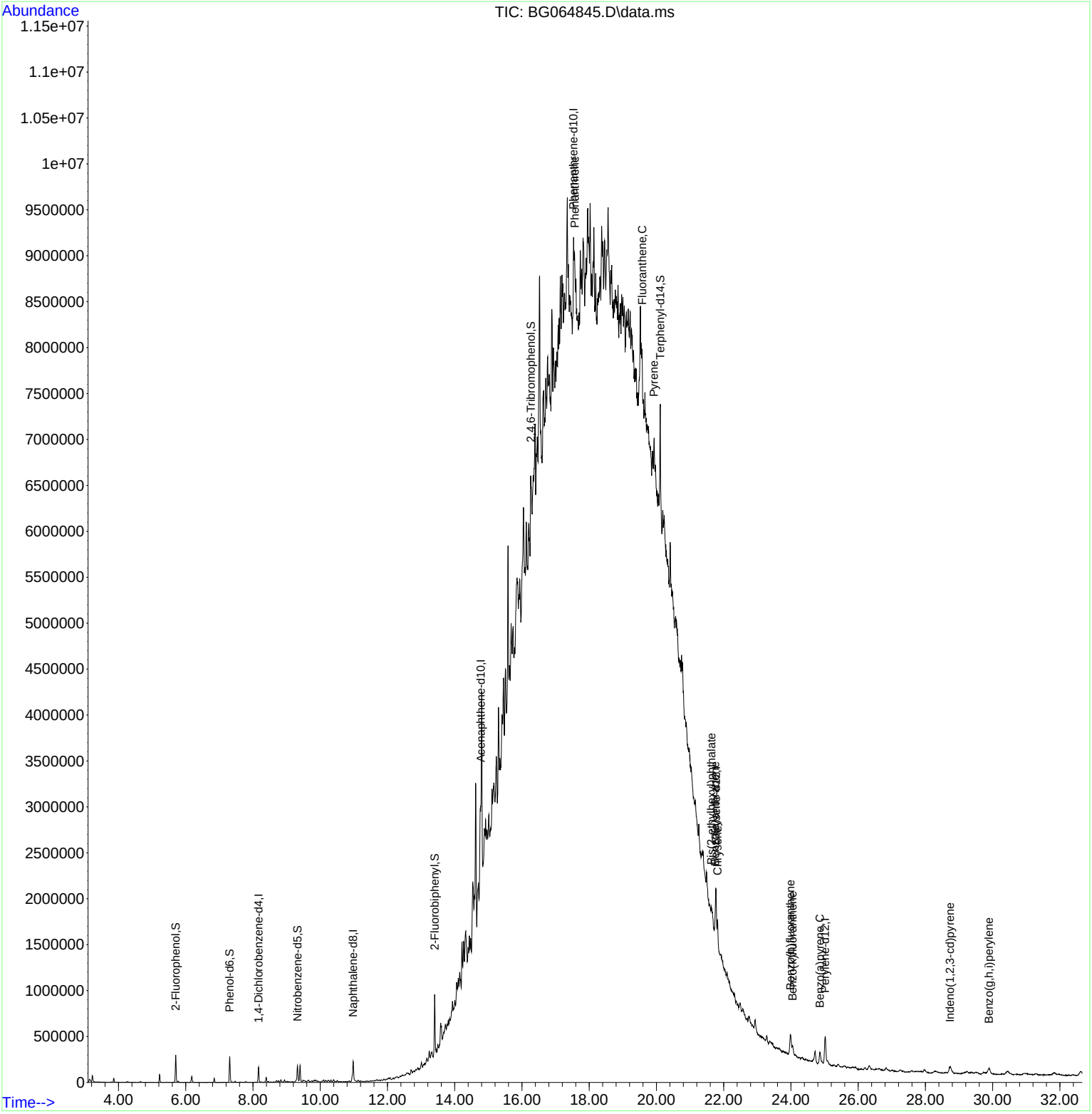
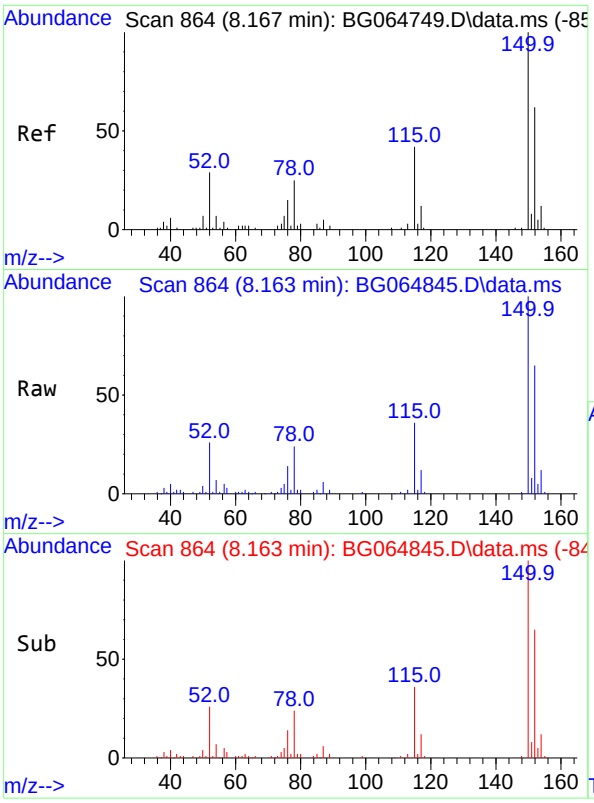
Quant Time: Nov 21 16:35:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration



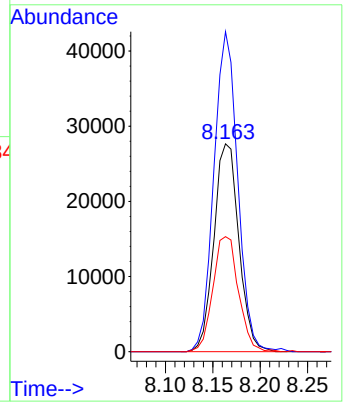


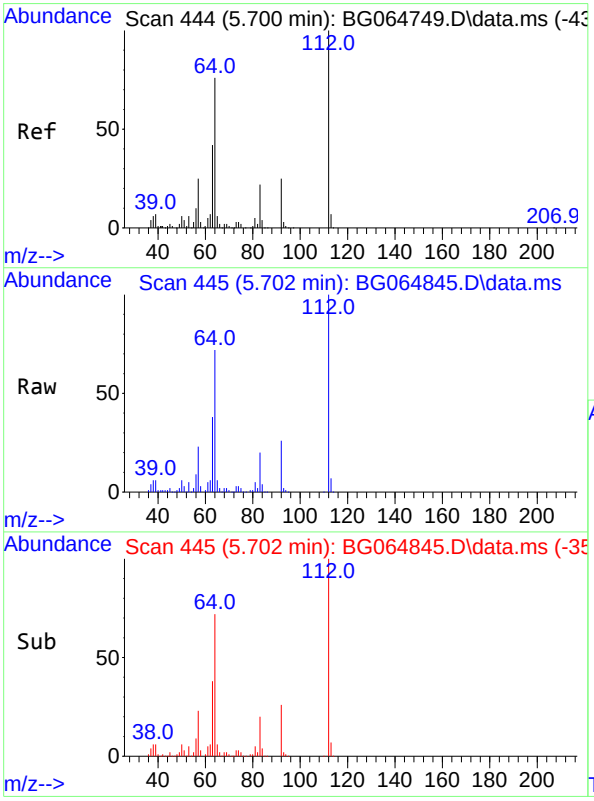
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.163 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Instrument :
BNA_G
ClientSampleId :
MOO-25-0331

Tgt Ion:152 Resp: 50616

Ion	Ratio	Lower	Upper
152	100		
150	153.9	129.2	193.8
115	55.3	53.7	80.5

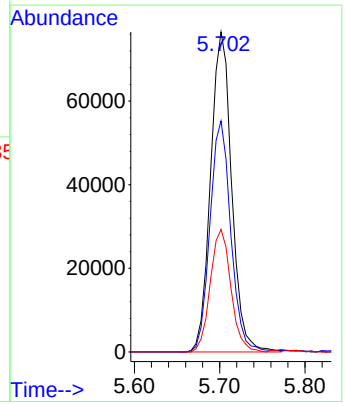


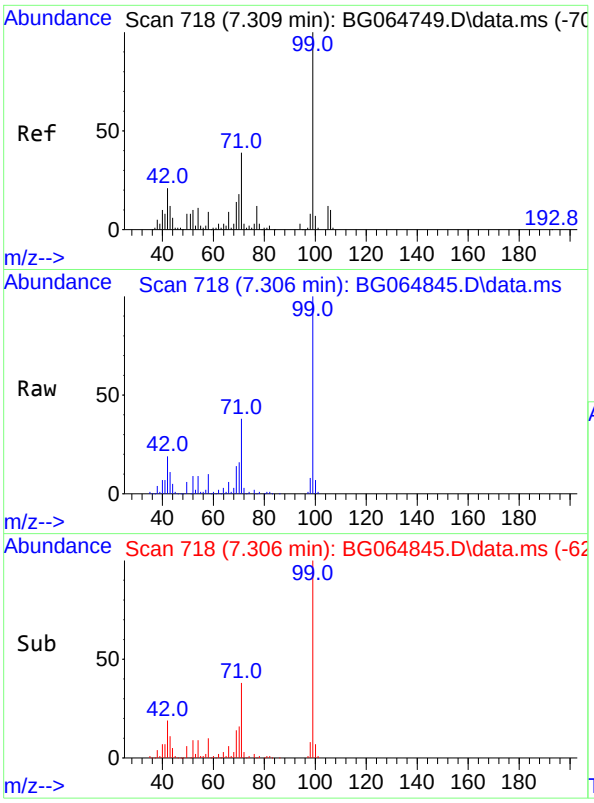


#5
2-Fluorophenol
Concen: 45.312 ng
RT: 5.702 min Scan# 445
Delta R.T. 0.002 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Tgt Ion:112 Resp: 131342

Ion	Ratio	Lower	Upper
112	100		
64	72.2	61.0	91.4
63	38.3	33.3	49.9



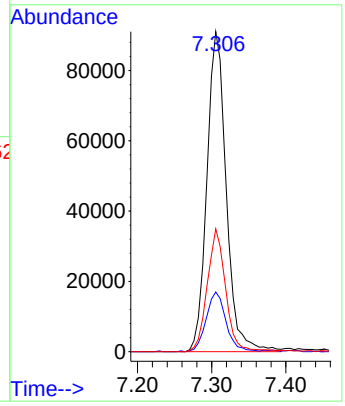


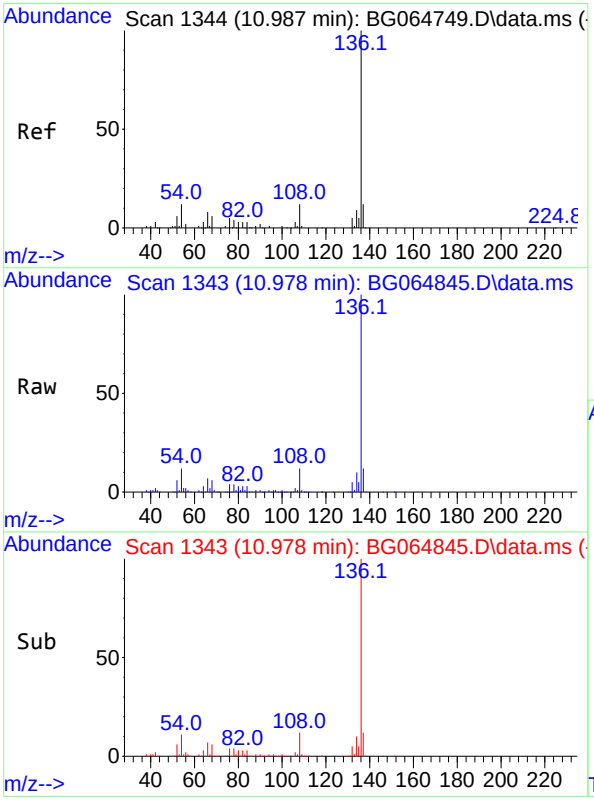
#7
Phenol-d6
Concen: 42.927 ng
RT: 7.306 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Instrument :
BNA_G
ClientSampleId :
MOO-25-0331

Tgt Ion: 99 Resp: 165495

Ion	Ratio	Lower	Upper
99	100		
42	18.7	16.8	25.2
71	38.4	31.1	46.7

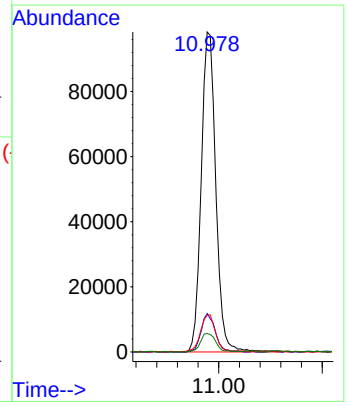


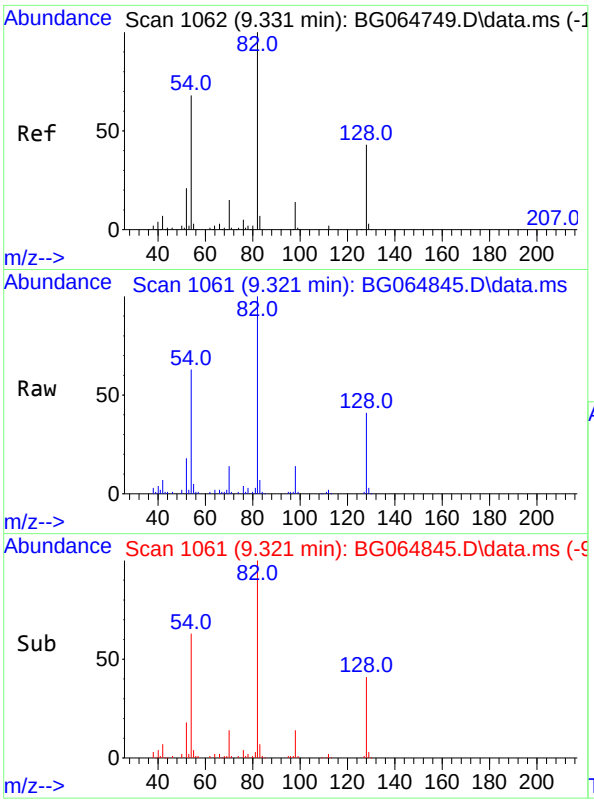


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.978 min Scan# 1343
Delta R.T. -0.009 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Tgt Ion:136 Resp: 191729

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.3	13.9
54	11.5	9.3	13.9
68	5.8	5.0	7.6



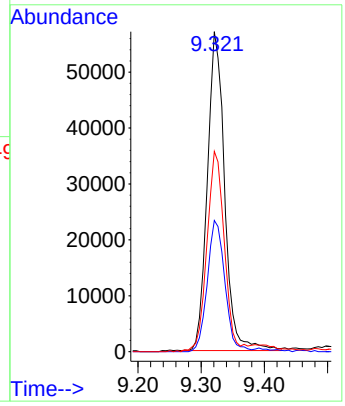


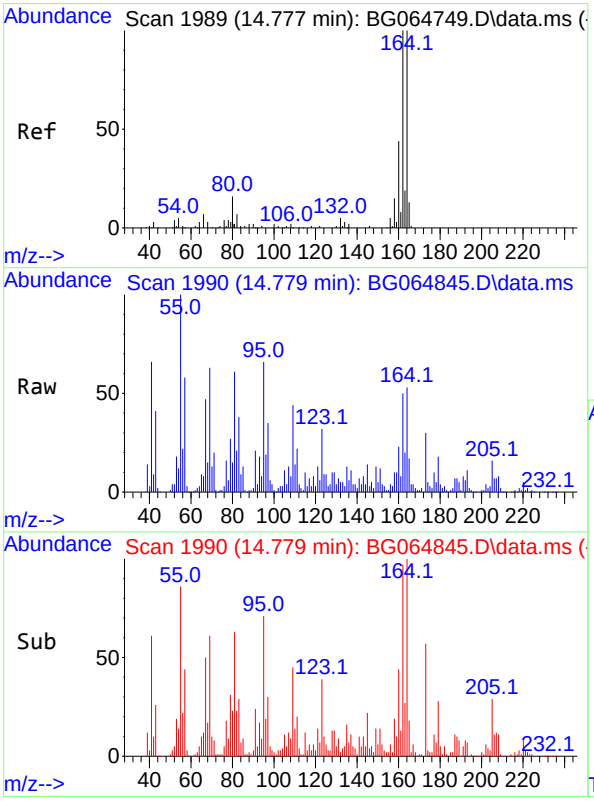
#23
Nitrobenzene-d5
Concen: 27.901 ng
RT: 9.321 min Scan# 1
Delta R.T. -0.010 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Instrument :
BNA_G
ClientSampleId :
MOO-25-0331

Tgt Ion: 82 Resp: 108193

Ion	Ratio	Lower	Upper
82	100		
128	41.0	34.1	51.1
54	62.6	54.3	81.5

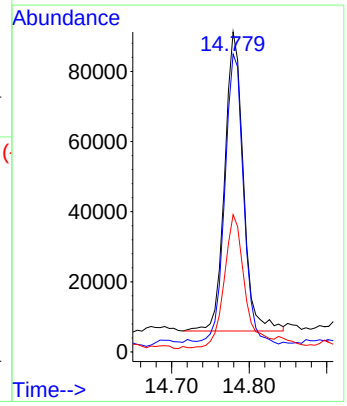


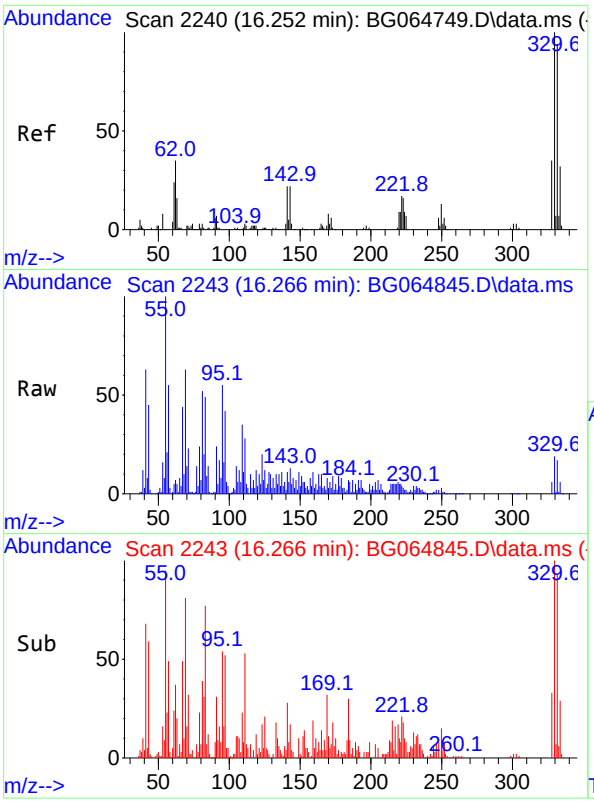


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.779 min Scan# 1990
Delta R.T. 0.002 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Tgt Ion:164 Resp: 142889

Ion	Ratio	Lower	Upper
164	100		
162	93.1	79.8	119.6
160	42.9	34.9	52.3



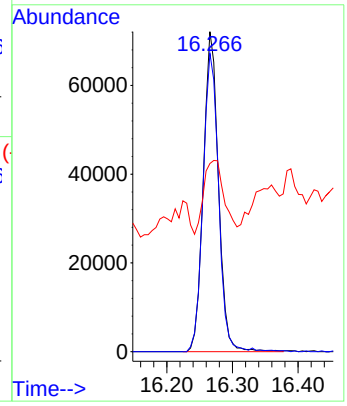


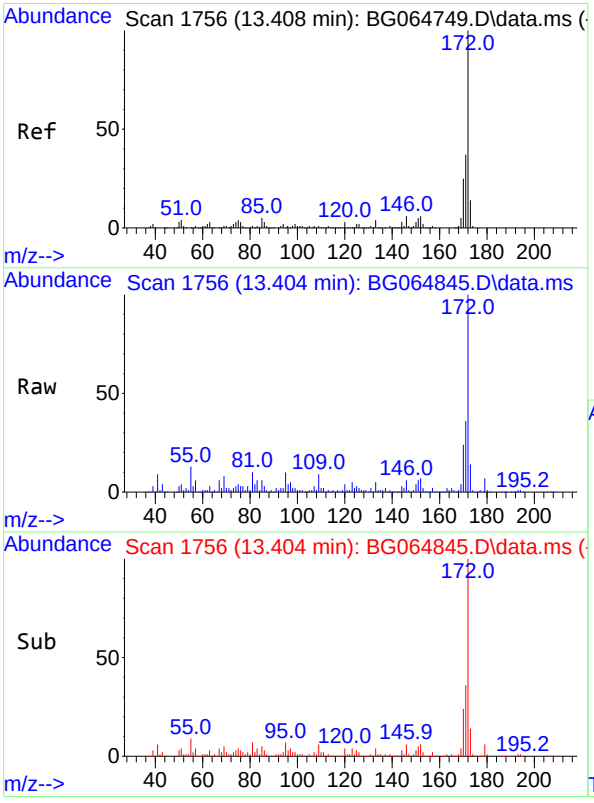
#42
2,4,6-Tribromophenol
Concen: 41.457 ng
RT: 16.266 min Scan# 2
Delta R.T. 0.014 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Instrument :
BNA_G
ClientSampleId :
MOO-25-0331

Tgt Ion:330 Resp: 115531

Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	30.7	18.2	27.2#

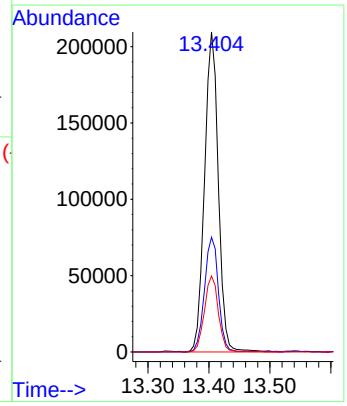


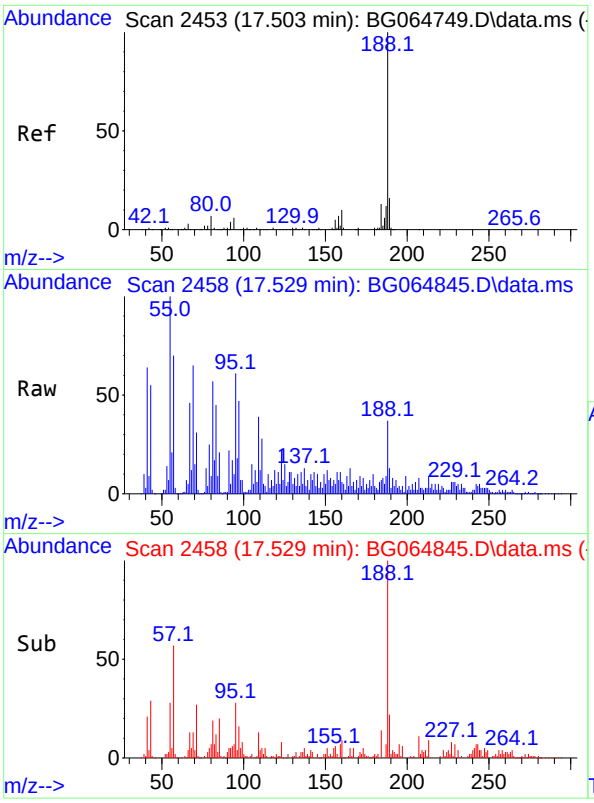


#45
2-Fluorobiphenyl
Concen: 32.157 ng
RT: 13.404 min Scan# 1756
Delta R.T. -0.004 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Tgt Ion:172 Resp: 329298

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.9	44.9
170	23.8	19.8	29.6



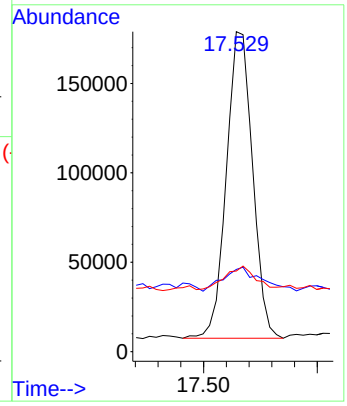


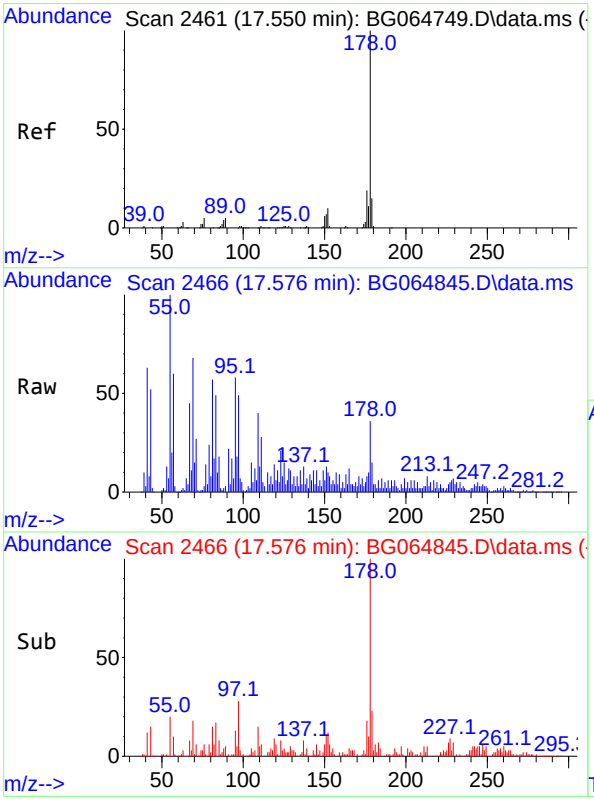
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.529 min Scan# 24
Delta R.T. 0.025 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Instrument :
BNA_G
ClientSampleId :
MOO-25-0331

Tgt Ion:188 Resp: 274156

Ion	Ratio	Lower	Upper
188	100		
94	25.7	4.7	7.1#
80	25.2	5.4	8.2#

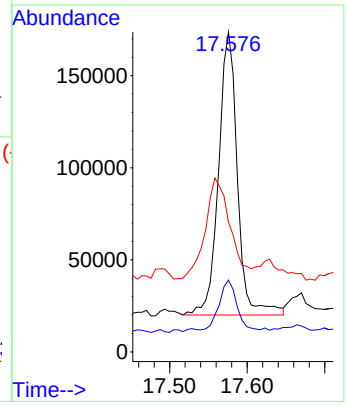


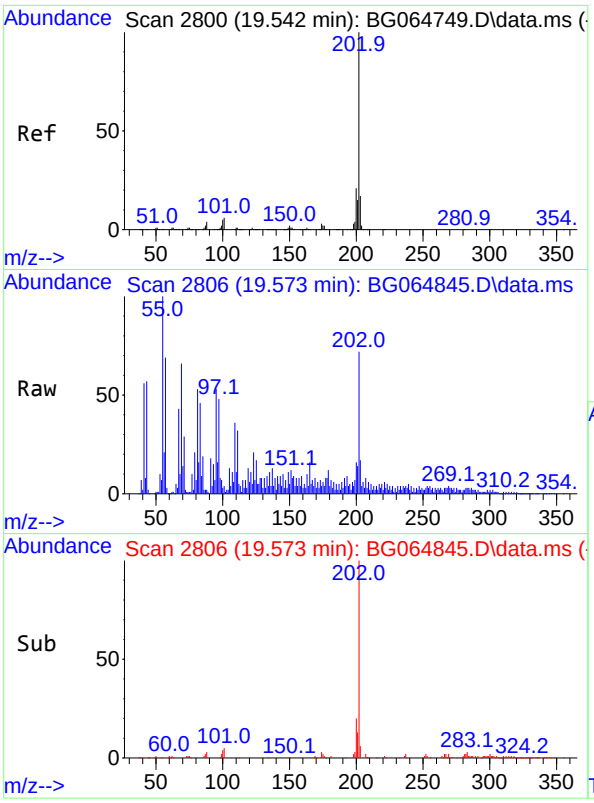


#71
Phenanthrene
Concen: 17.351 ng
RT: 17.576 min Scan# 2466
Delta R.T. 0.025 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Tgt Ion:178 Resp: 260272

Ion	Ratio	Lower	Upper
178	100		
176	22.4	14.8	22.2#
179	40.6	12.2	18.4#



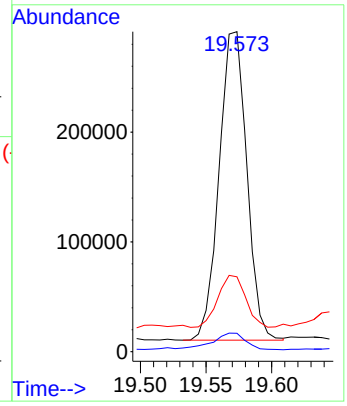


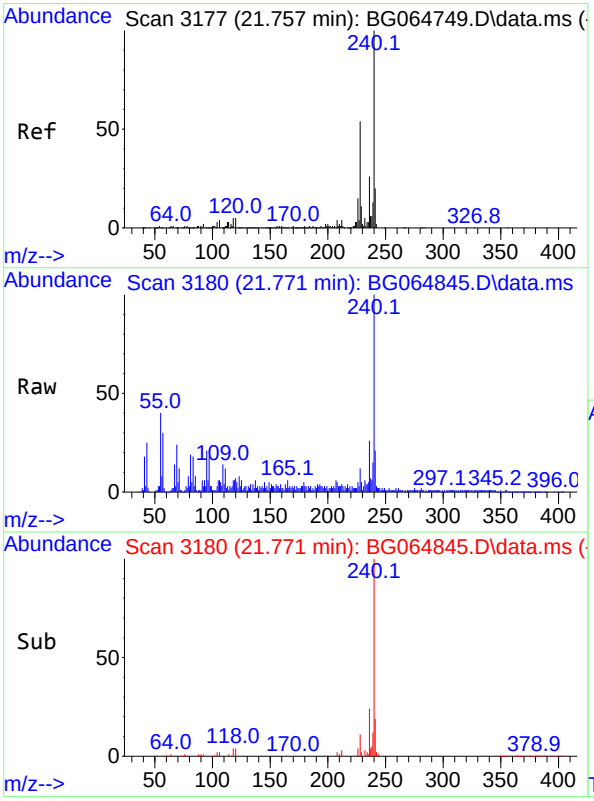
#75
Fluoranthene
Concen: 20.071 ng
RT: 19.573 min Scan# 2
Delta R.T. 0.031 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Instrument :
BNA_G
ClientSampleId :
MOO-25-0331

Tgt Ion:202 Resp: 411683

Ion	Ratio	Lower	Upper
202	100		
101	5.8	0.0	26.4
203	23.4	0.0	37.5

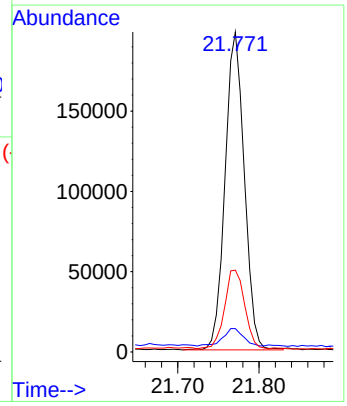


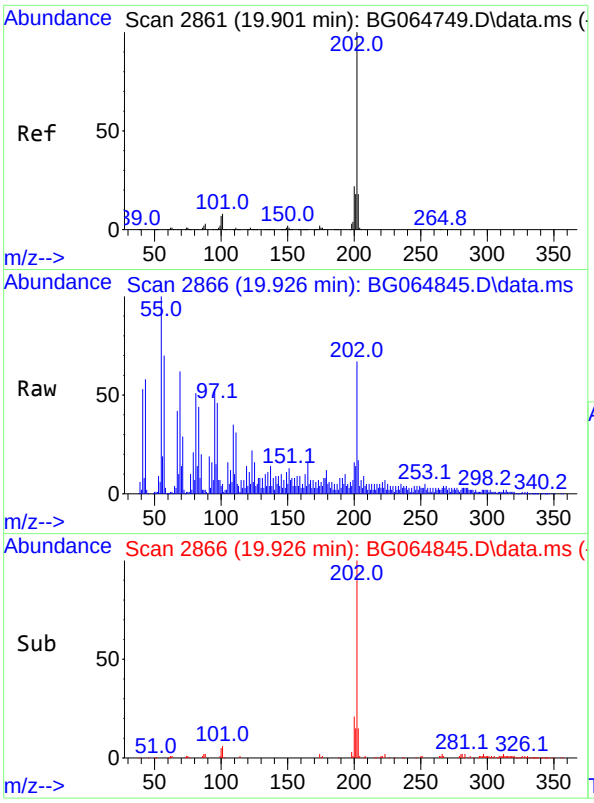


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.771 min Scan# 3180
Delta R.T. 0.014 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Tgt Ion:240 Resp: 325988

Ion	Ratio	Lower	Upper
240	100		
120	7.3	4.2	6.4#
236	25.5	20.8	31.2



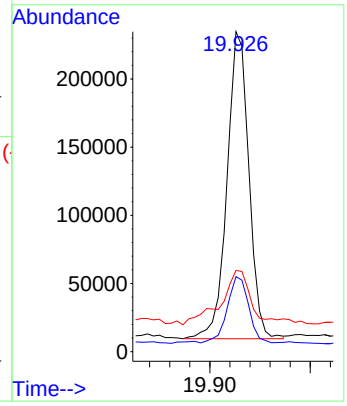


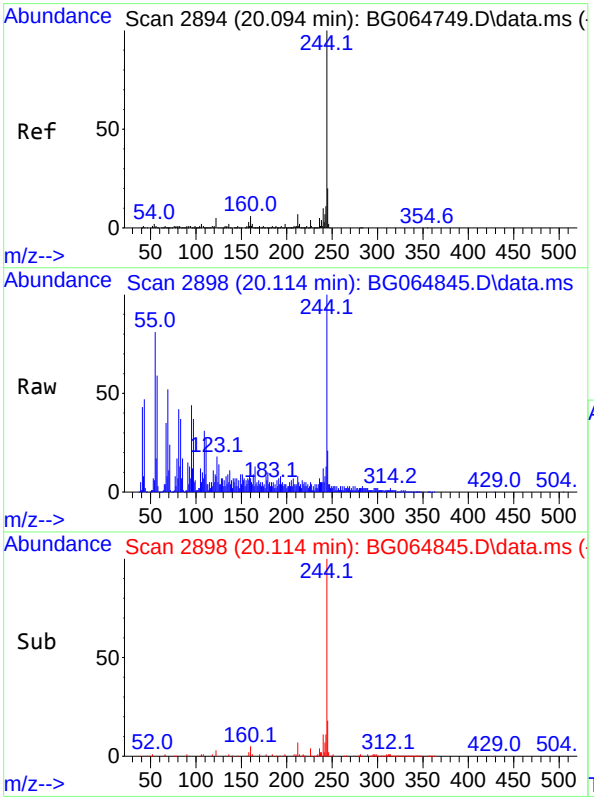
#78
Pyrene
Concen: 18.624 ng
RT: 19.926 min Scan# 2
Delta R.T. 0.025 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Instrument :
BNA_G
ClientSampleId :
MOO-25-0331

Tgt Ion:202 Resp: 340269

Ion	Ratio	Lower	Upper
202	100		
200	23.5	17.9	26.9
203	25.4	14.0	21.0#

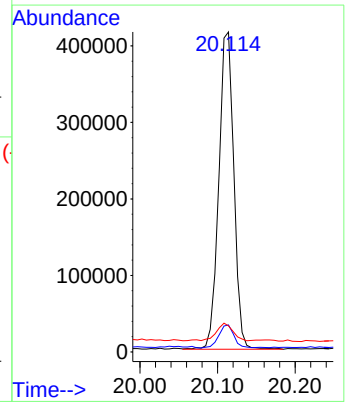


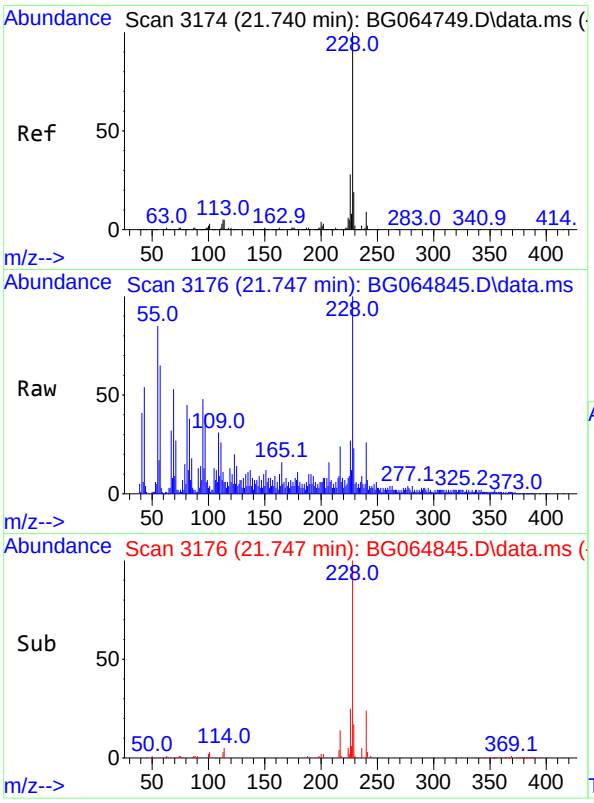


#79
Terphenyl-d14
Concen: 33.786 ng
RT: 20.114 min Scan# 2898
Delta R.T. 0.020 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Tgt Ion:244 Resp: 559900

Ion	Ratio	Lower	Upper
244	100		
212	8.5	5.8	8.6
122	8.2	4.3	6.5#



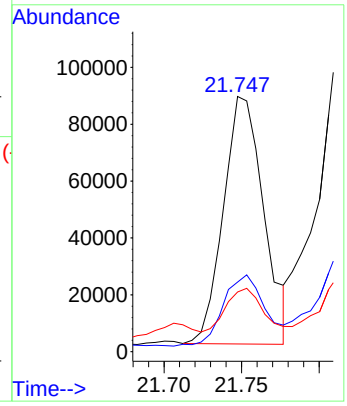


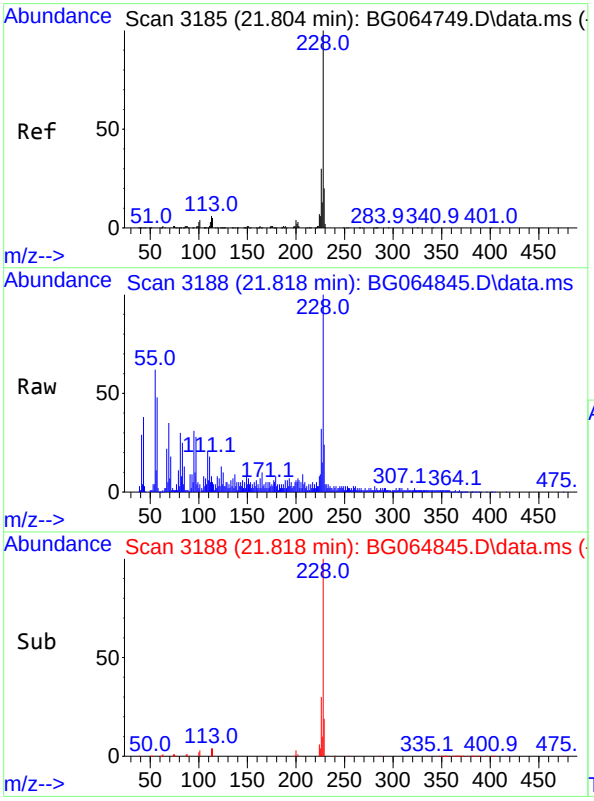
#81
Benzo(a)anthracene
Concen: 7.110 ng
RT: 21.747 min Scan# 3
Delta R.T. 0.008 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Instrument :
BNA_G
ClientSampleId :
MOO-25-0331

Tgt Ion:228 Resp: 157590

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.1	33.1
229	23.4	15.5	23.3#

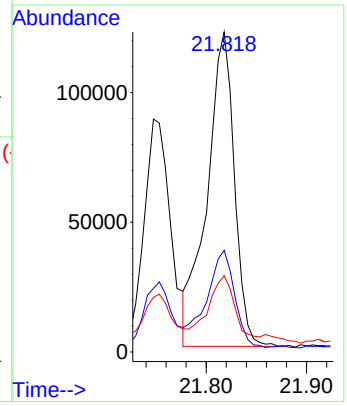


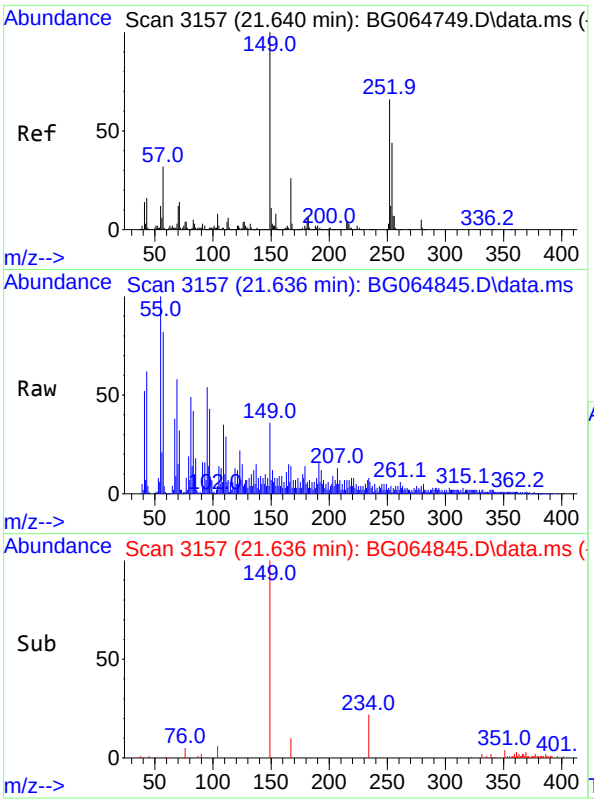


#83
Chrysene
Concen: 11.034 ng
RT: 21.818 min Scan# 3188
Delta R.T. 0.014 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Tgt Ion:228 Resp: 230584

Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.2	36.2
229	23.9	16.0	24.0



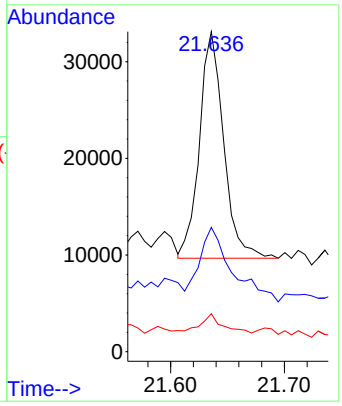


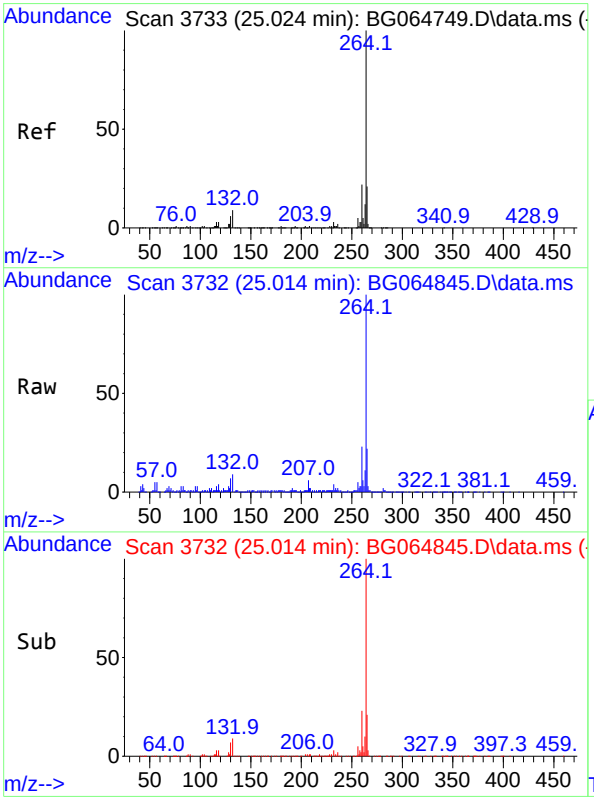
#84
Bis(2-ethylhexyl)phthalate
Concen: 3.685 ng
RT: 21.636 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Instrument :
BNA_G
ClientSampleId :
MOO-25-0331

Tgt Ion:149 Resp: 34605

Ion	Ratio	Lower	Upper
149	100		
167	38.9	21.0	31.4#
279	11.8	4.1	6.1#

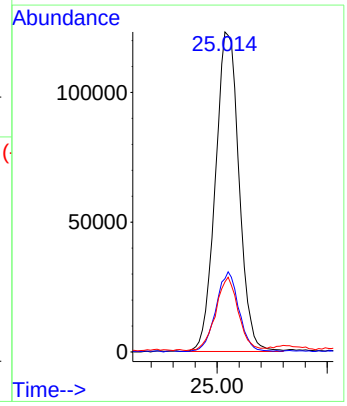


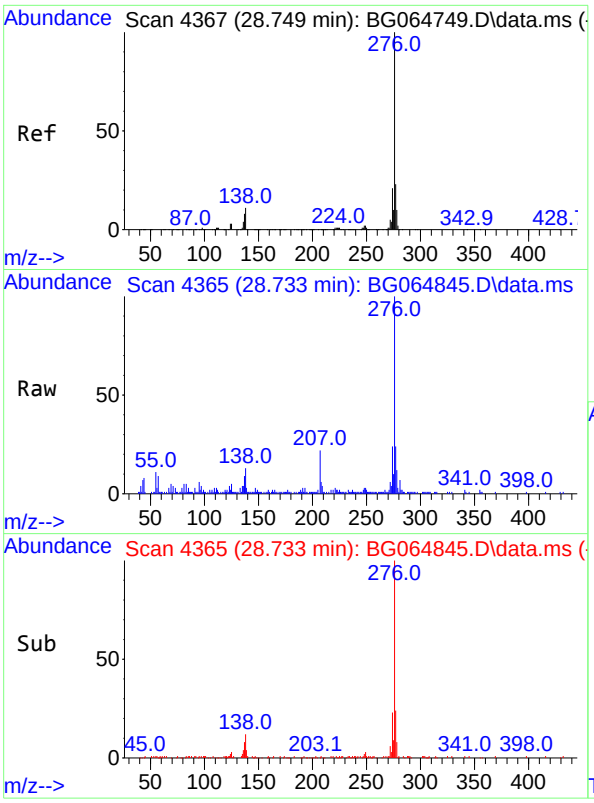


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.014 min Scan# 3732
Delta R.T. -0.010 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Tgt Ion:264 Resp: 366970

Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.2	25.8
265	21.9	16.6	25.0



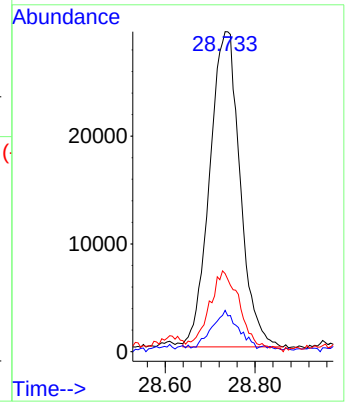


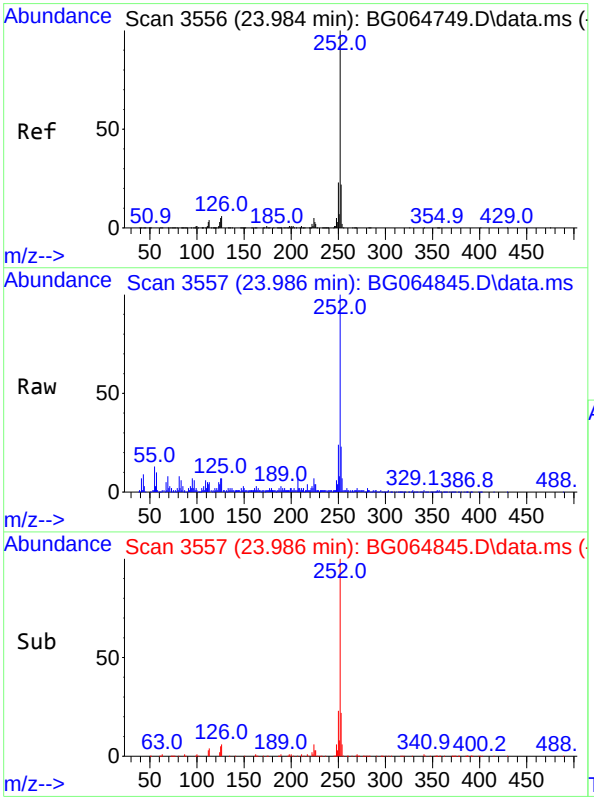
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.452 ng
RT: 28.733 min Scan# 4
Delta R.T. -0.016 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Instrument :
BNA_G
ClientSampleId :
MOO-25-0331

Tgt Ion:276 Resp: 137446

Ion	Ratio	Lower	Upper
276	100		
138	10.6	4.5	6.7#
277	26.6	20.0	30.0

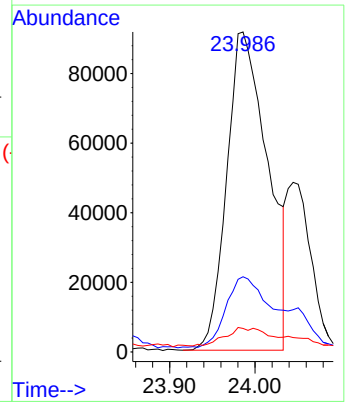


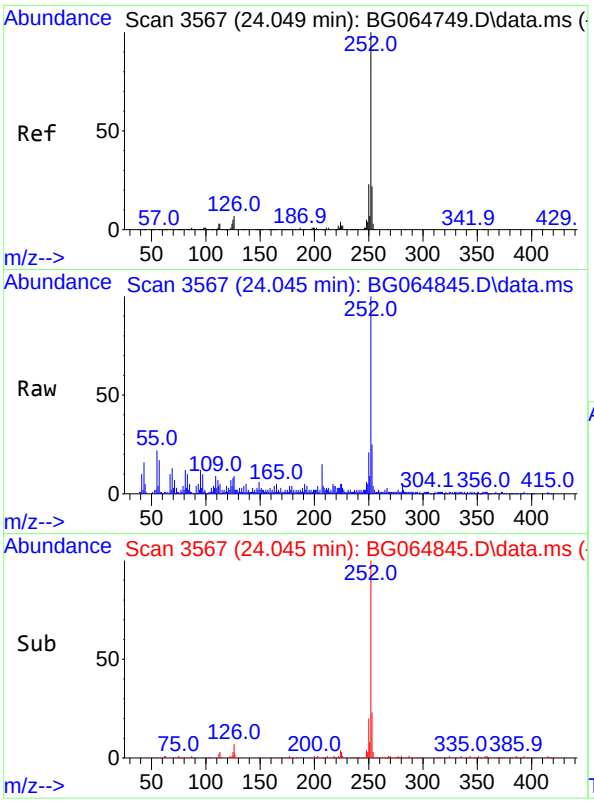


#88
Benzo(b)fluoranthene
Concen: 13.109 ng
RT: 23.986 min Scan# 3557
Delta R.T. 0.002 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Tgt Ion:252 Resp: 306140

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.2
125	7.3	4.2	6.2#



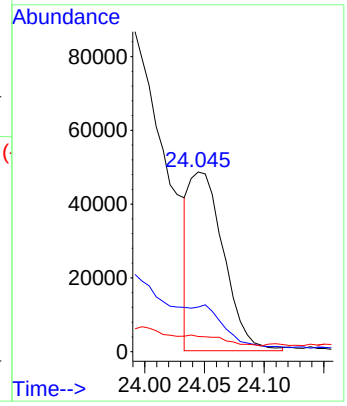


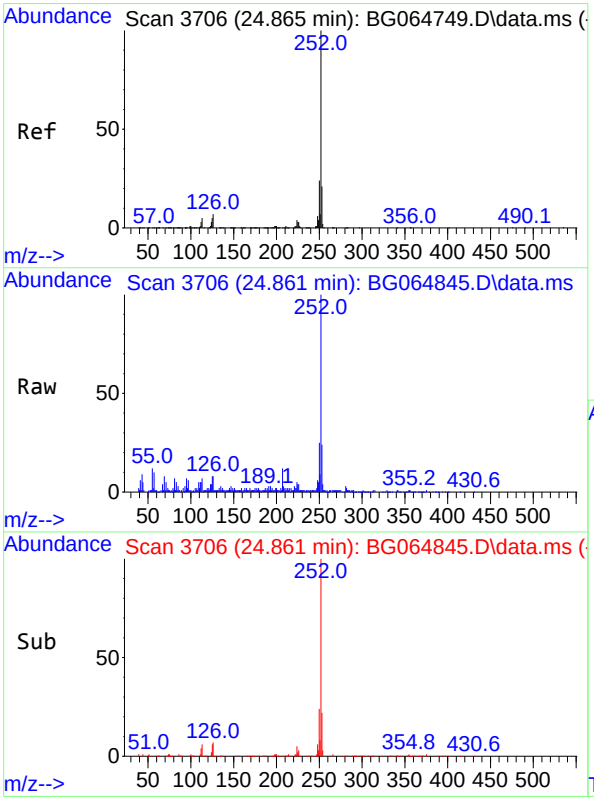
#89
Benzo(k)fluoranthene
Concen: 4.119 ng m
RT: 24.045 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Instrument :
BNA_G
ClientSampleId :
MOO-25-0331

Tgt Ion:252 Resp: 96637

Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.8	26.8
125	8.5	4.1	6.1#

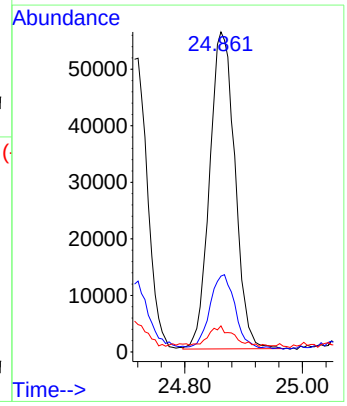


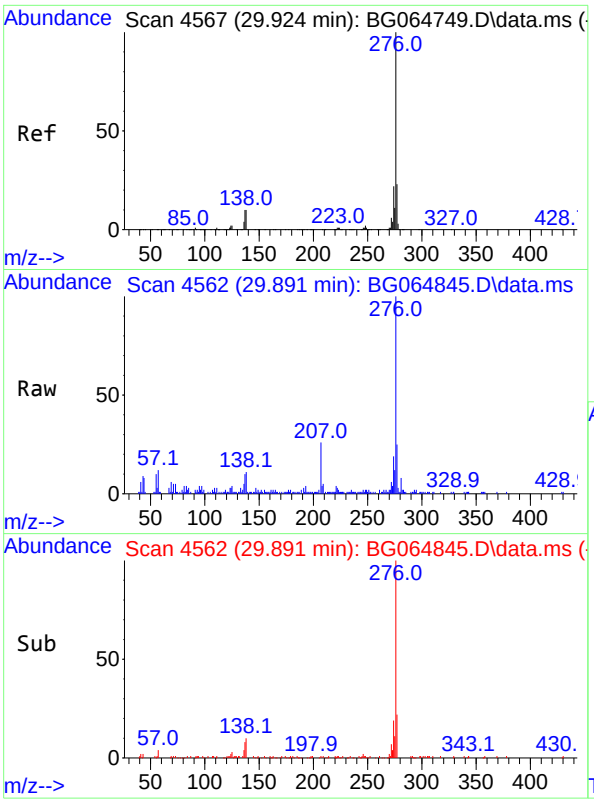


#90
Benzo(a)pyrene
Concen: 7.717 ng
RT: 24.861 min Scan# 3706
Delta R.T. -0.004 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Tgt Ion:252 Resp: 167183

Ion	Ratio	Lower	Upper
252	100		
253	23.7	16.9	25.3
125	8.2	4.2	6.4#





#92
Benzo(g,h,i)perylene
Concen: 7.068 ng
RT: 29.891 min Scan# 4
Delta R.T. -0.033 min
Lab File: BG064845.D
Acq: 21 Nov 2025 15:57

Instrument :
BNA_G
ClientSampleId :
MOO-25-0331

Tgt Ion:276 Resp: 140501

Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.0	27.0
138	11.3	8.2	12.2