Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101625\
Data File : BG064529.D
Acq On : 16 Oct 2025 23:46
Operator : RC/JU
Sample : Q3355-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EO-03-101525

Quant Time: Oct 17 10:50:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.816	152	17432	20.000	ng	0.00
21) Naphthalene-d8	10.601	136	74173	20.000	ng	0.00
39) Acenaphthene-d10	14.444	164	51399	20.000	ng	0.00
64) Phenanthrene-d10	17.188	188	115450	20.000	ng	0.00
76) Chrysene-d12	21.412	240	130523	20.000	ng	# 0.00
86) Perylene-d12	24.397	264	150831	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.407	112	20407	21.665	ng	0.00
7) Phenol-d6	6.994	99	26214	20.710	ng	0.00
23) Nitrobenzene-d5	8.968	82	17441	12.643	ng	0.00
42) 2,4,6-Tribromophenol	15.936	330	18019	19.340	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	46056	13.208	ng	0.00
79) Terphenyl-d14	19.802	244	86384	12.525	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.223	178	16478	2.729	ng	# 89
75) Fluoranthene	19.238	202	50120	6.949	ng	94
78) Pyrene	19.597	202	57892	6.835	ng	97
81) Benzo(a)anthracene	21.395	228	36323	4.358	ng	# 94
83) Chrysene	21.453	228	36531	4.622	ng	# 91
87) Indeno(1,2,3-cd)pyrene	27.746	276	23733	2.261	ng	# 79
88) Benzo(b)fluoranthene	23.457	252	49120	5.724	ng	94
90) Benzo(a)pyrene	24.250	252	37107	4.692	ng	98
92) Benzo(g,h,i)perylene	28.786	276	26593	3.259	ng	96

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

Quantitation Report (LSC Reviewed)

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Misc :
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Instrument :
BNA_G
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QLast Update : Thu Oct 02 16:40:42 2025
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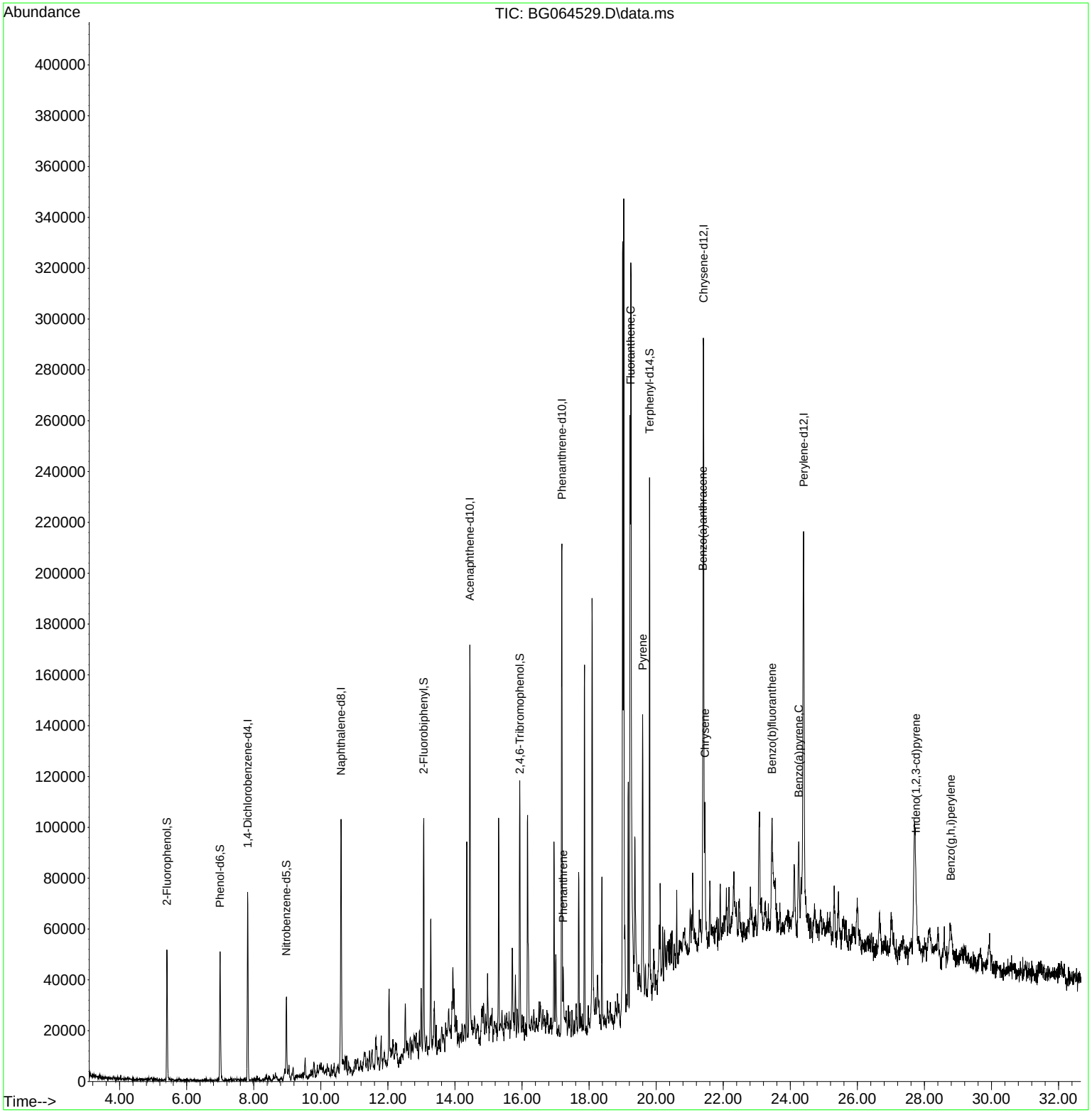
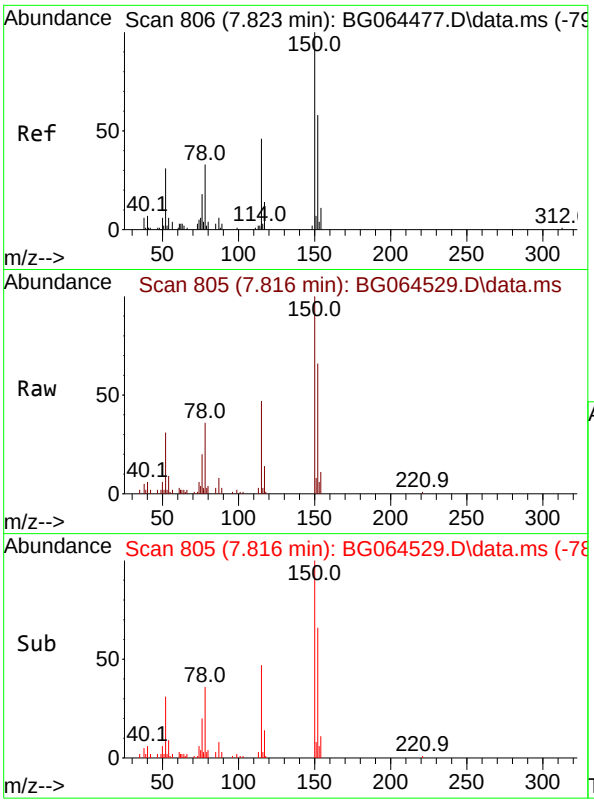


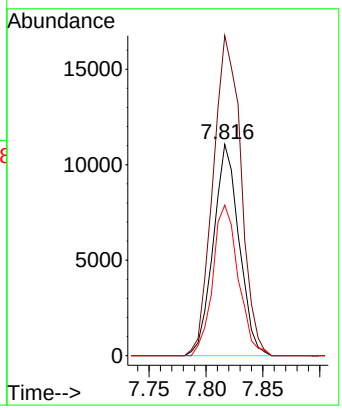


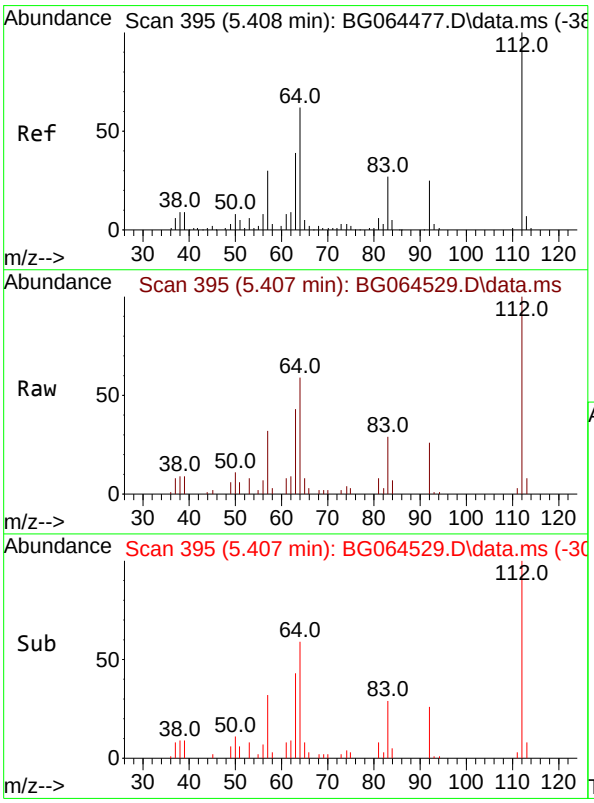
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.816 min Scan# 8(
Delta R.T. -0.004 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

Instrument :
BNA_G
ClientSampleId :
EO-03-101525

Tgt Ion:152 Resp: 17432

Ion	Ratio	Lower	Upper
152	100		
150	151.4	138.6	207.8
115	71.2	63.4	95.2

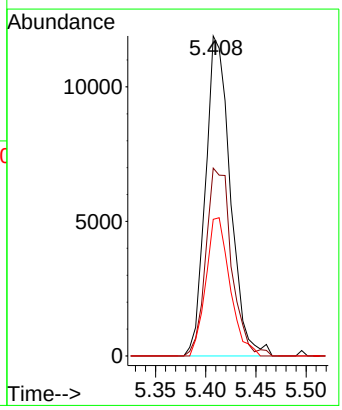


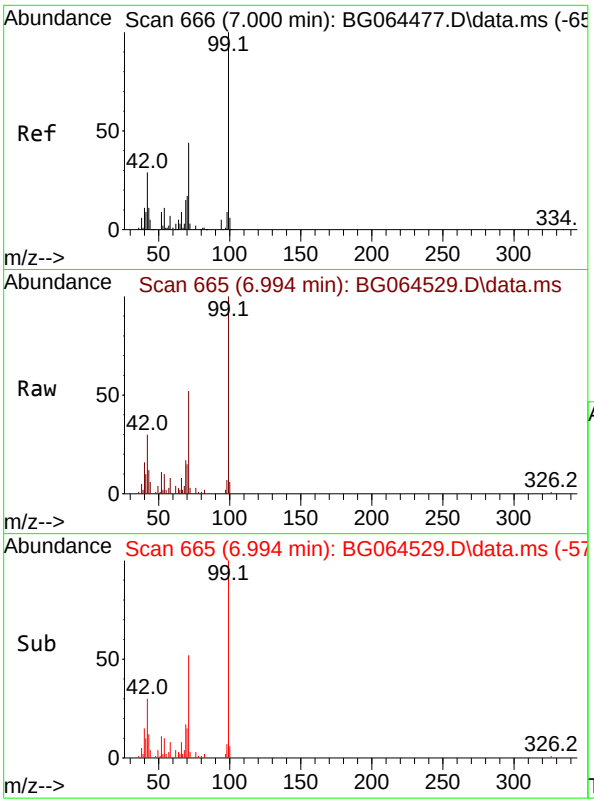


#5
2-Fluorophenol
Concen: 21.665 ng
RT: 5.407 min Scan# 395
Delta R.T. 0.002 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

Tgt Ion:112 Resp: 20407

Ion	Ratio	Lower	Upper
112	100		
64	58.7	49.8	74.8
63	42.7	31.3	46.9



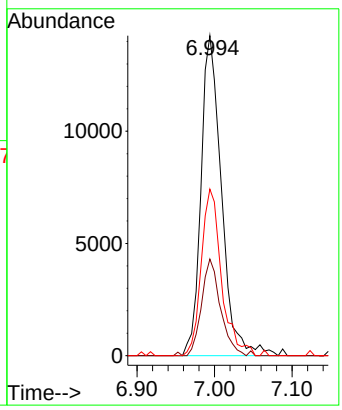


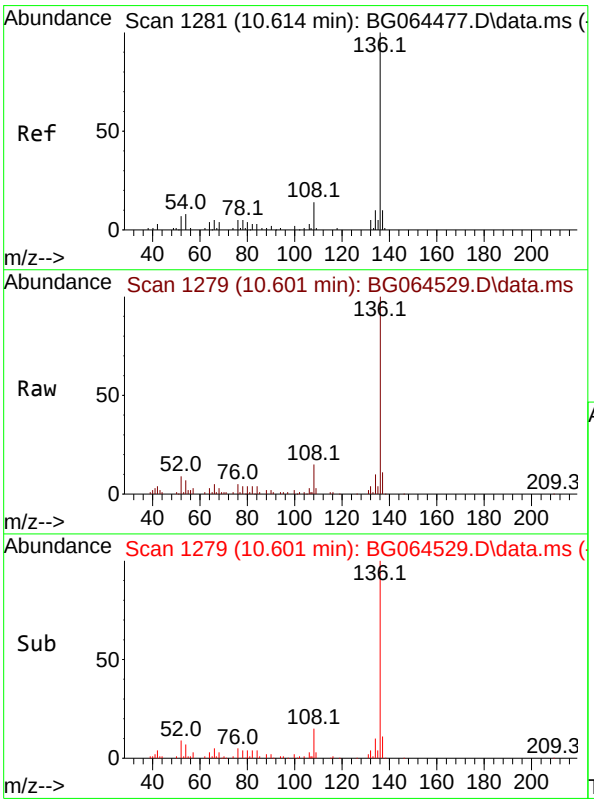
#7
Phenol-d6
Concen: 20.710 ng
RT: 6.994 min Scan# 6
Delta R.T. 0.008 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

Instrument :
BNA_G
ClientSampleId :
EO-03-101525

Tgt Ion: 99 Resp: 26214

Ion	Ratio	Lower	Upper
99	100		
42	30.2	22.9	34.3
71	52.1	35.4	53.2

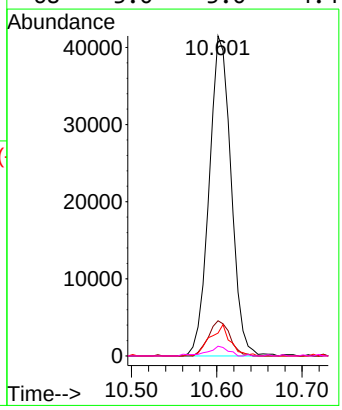


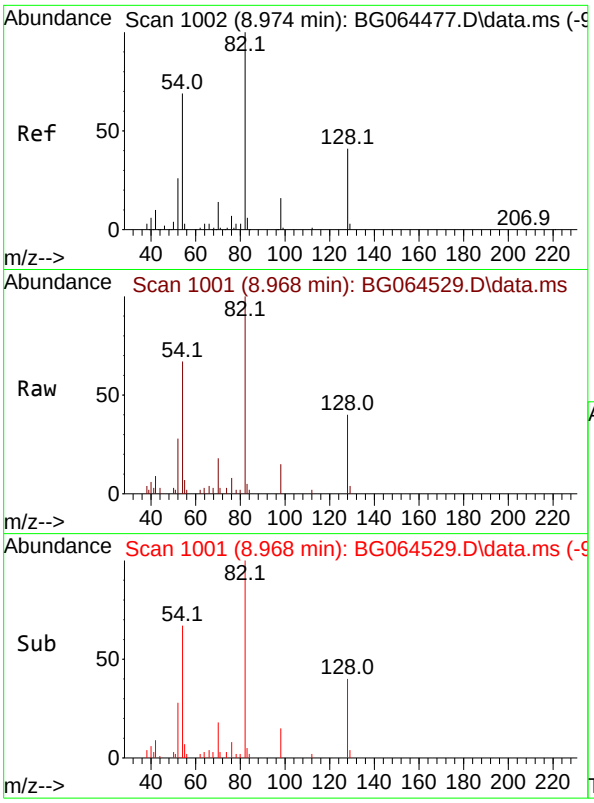


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.601 min Scan# 1279
Delta R.T. -0.004 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

Tgt Ion:136 Resp: 74173

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.3	12.5
54	7.2	6.2	9.4
68	3.0	3.0	4.4



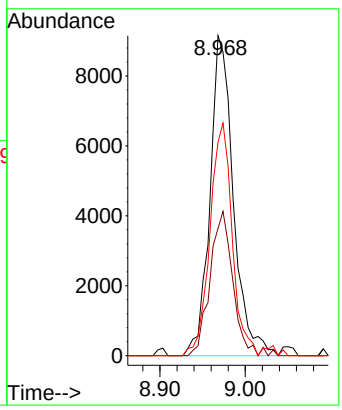


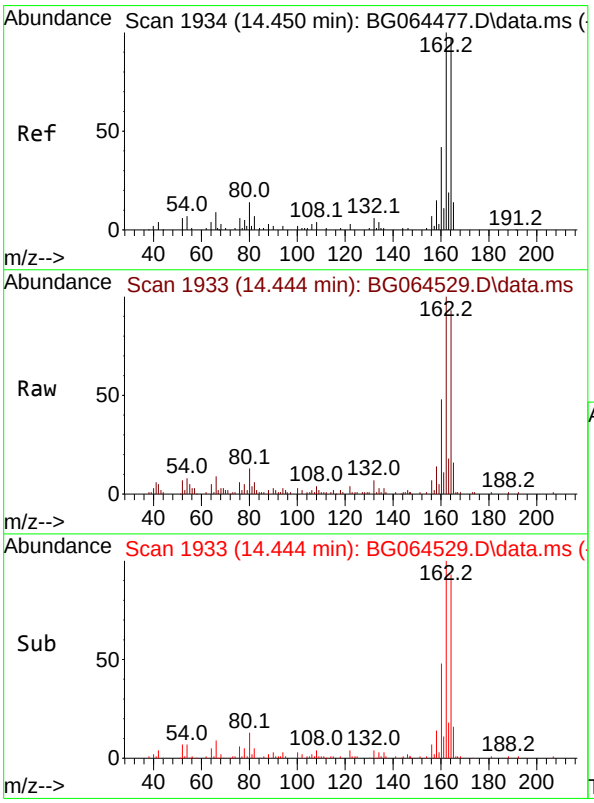
#23
Nitrobenzene-d5
Concen: 12.643 ng
RT: 8.968 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

Instrument :
BNA_G
ClientSampleId :
EO-03-101525

Tgt Ion: 82 Resp: 17441

Ion	Ratio	Lower	Upper
82	100		
128	39.8	33.1	49.7
54	66.7	55.4	83.2

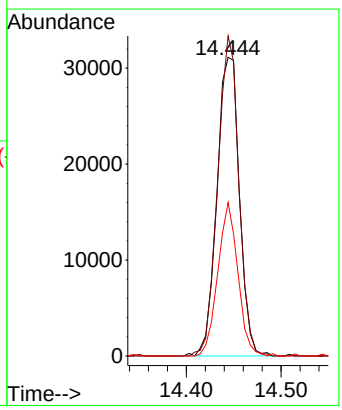


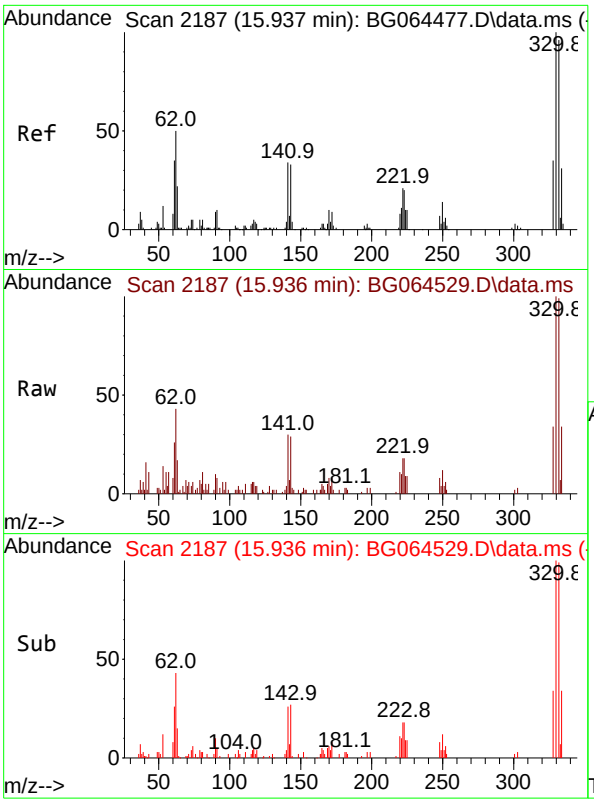


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.444 min Scan# 1933
Delta R.T. -0.004 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

Tgt Ion:164 Resp: 51399

Ion	Ratio	Lower	Upper
164	100		
162	107.1	82.2	123.2
160	51.4	34.3	51.5



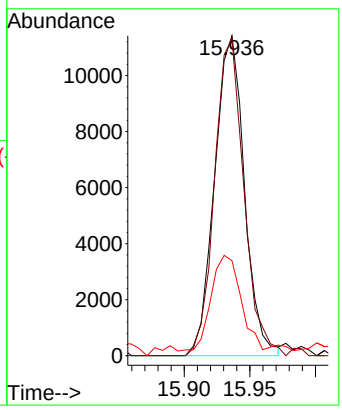


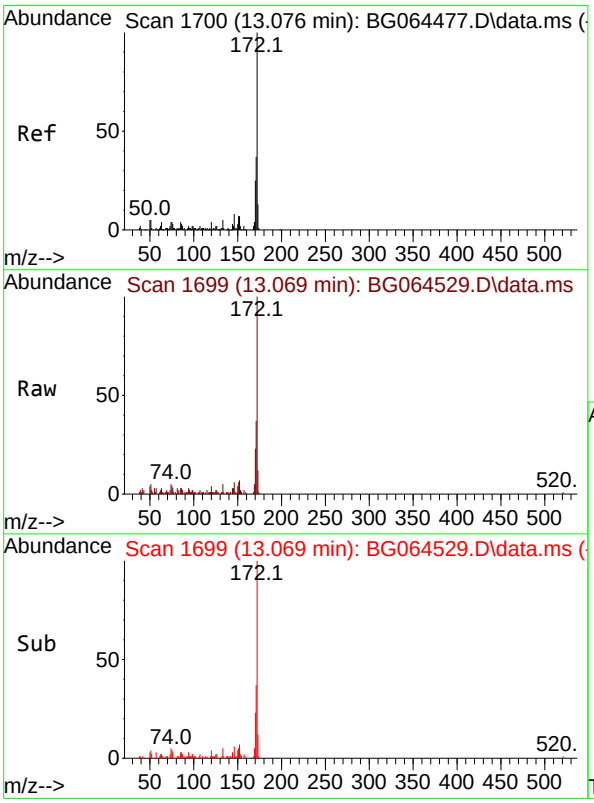
#42
2,4,6-Tribromophenol
Concen: 19.340 ng
RT: 15.936 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

Instrument :
BNA_G
ClientSampleId :
EO-03-101525

Tgt Ion:330 Resp: 18019

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.4	116.0
141	31.6	25.8	38.6

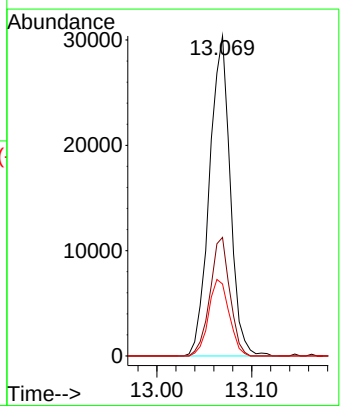


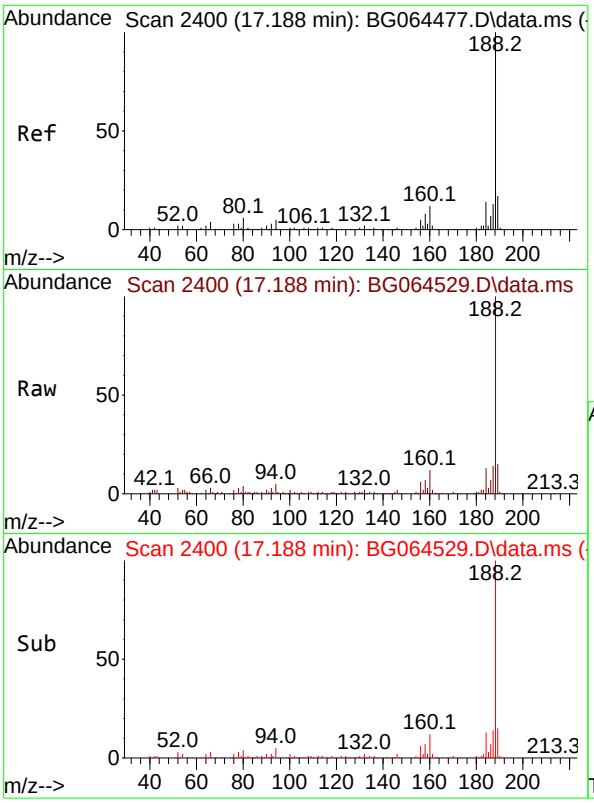


#45
2-Fluorobiphenyl
Concen: 13.208 ng
RT: 13.069 min Scan# 1699
Delta R.T. 0.002 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

Tgt Ion:172 Resp: 46056

Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.6	44.4
170	22.5	20.2	30.2



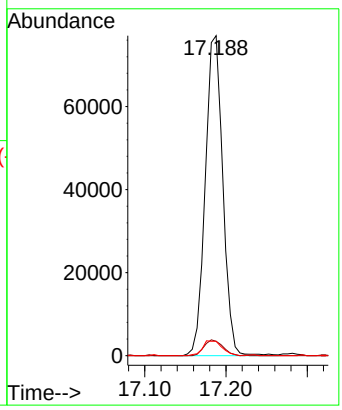


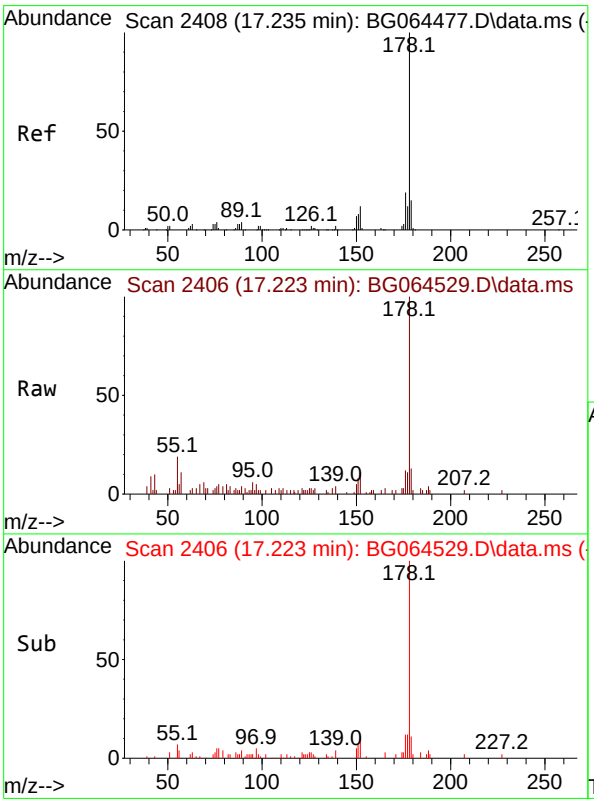
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.188 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

Instrument :
BNA_G
ClientSampleId :
EO-03-101525

Tgt Ion:188 Resp: 115450

Ion	Ratio	Lower	Upper
188	100		
94	4.5	3.7	5.5
80	4.5	4.5	6.7

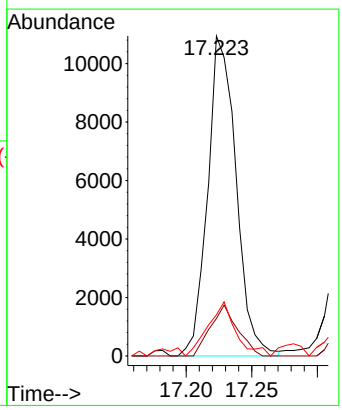


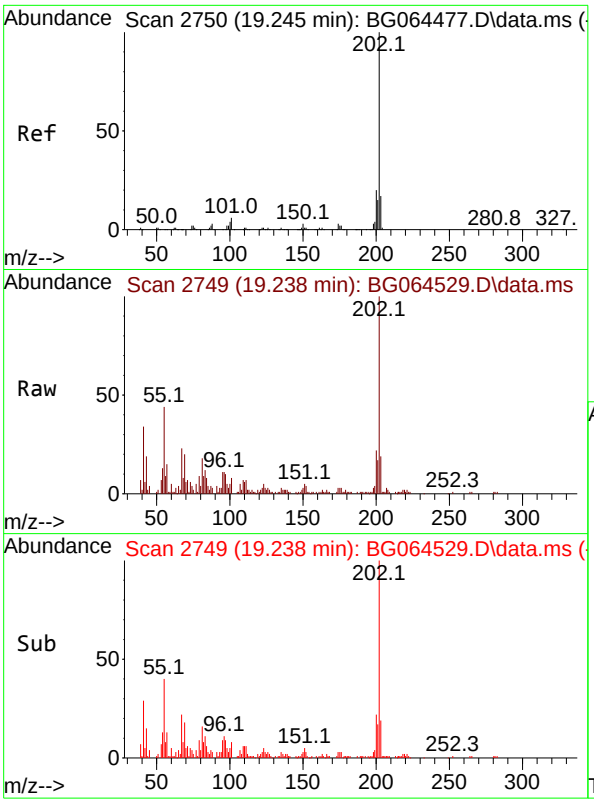


#71
Phenanthrene
Concen: 2.729 ng
RT: 17.223 min Scan# 2406
Delta R.T. -0.004 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

Tgt Ion:178 Resp: 16478

Ion	Ratio	Lower	Upper
178	100		
176	11.7	15.2	22.8#
179	12.9	11.8	17.6



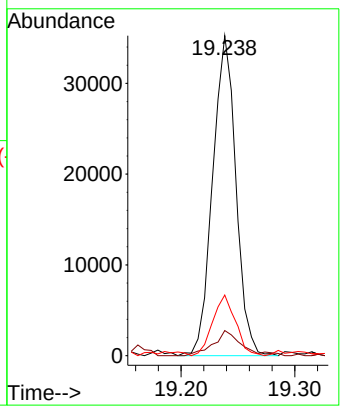


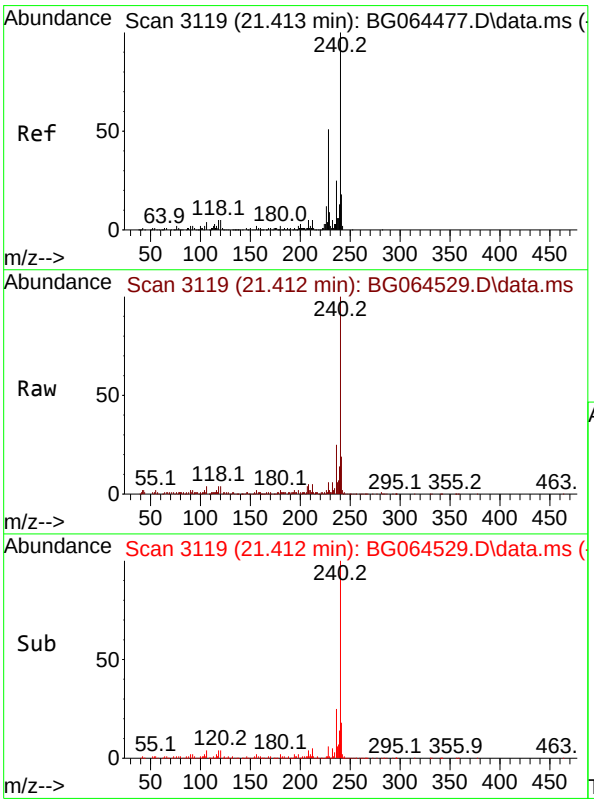
#75
Fluoranthene
Concen: 6.949 ng
RT: 19.238 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

Instrument :
BNA_G
ClientSampleId :
EO-03-101525

Tgt Ion:202 Resp: 50120

Ion	Ratio	Lower	Upper
202	100		
101	7.8	0.0	25.7
203	19.0	0.0	36.6

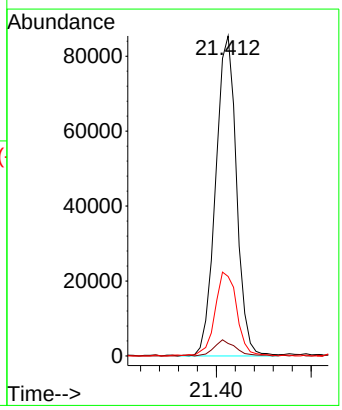


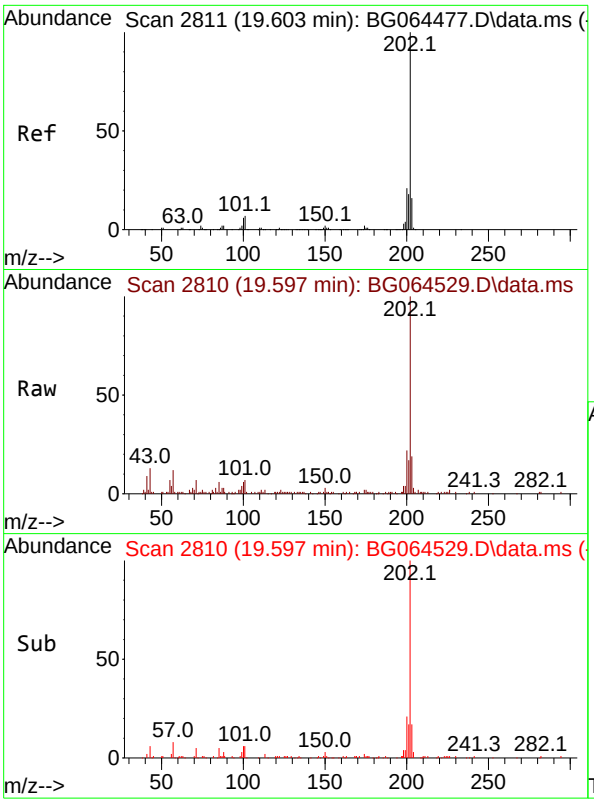


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.412 min Scan# 3119
Delta R.T. 0.002 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

Tgt Ion:240 Resp: 130523

Ion	Ratio	Lower	Upper
240	100		
120	3.9	4.3	6.5#
236	24.8	20.4	30.6



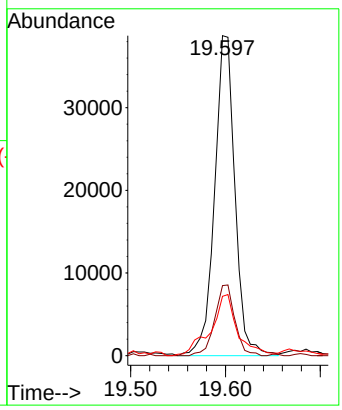


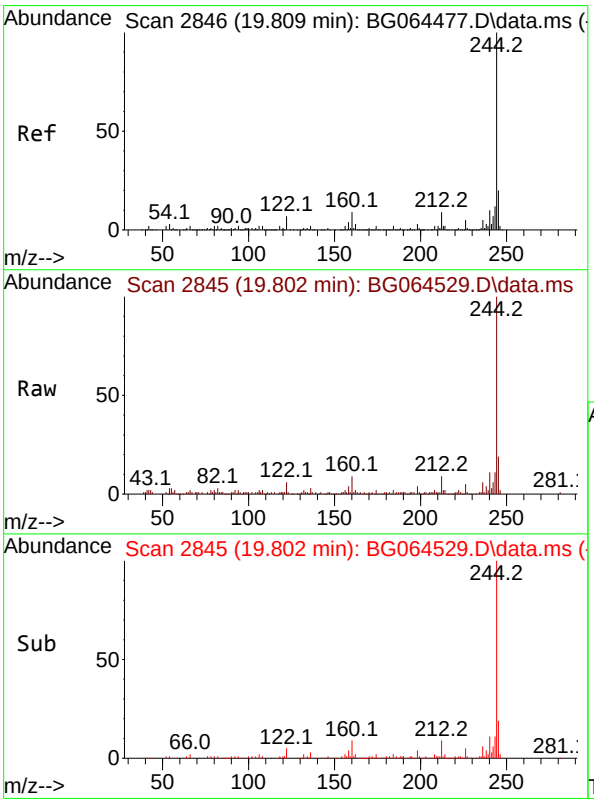
#78
Pyrene
Concen: 6.835 ng
RT: 19.597 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

Instrument :
BNA_G
ClientSampleId :
EO-03-101525

Tgt Ion:202 Resp: 57892

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.0	25.4
203	18.6	13.0	19.4

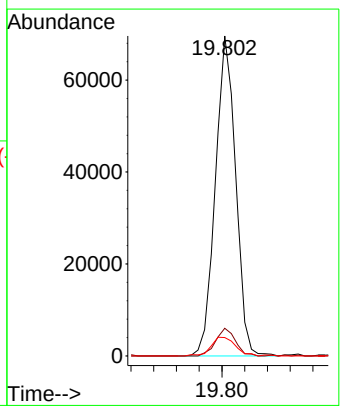


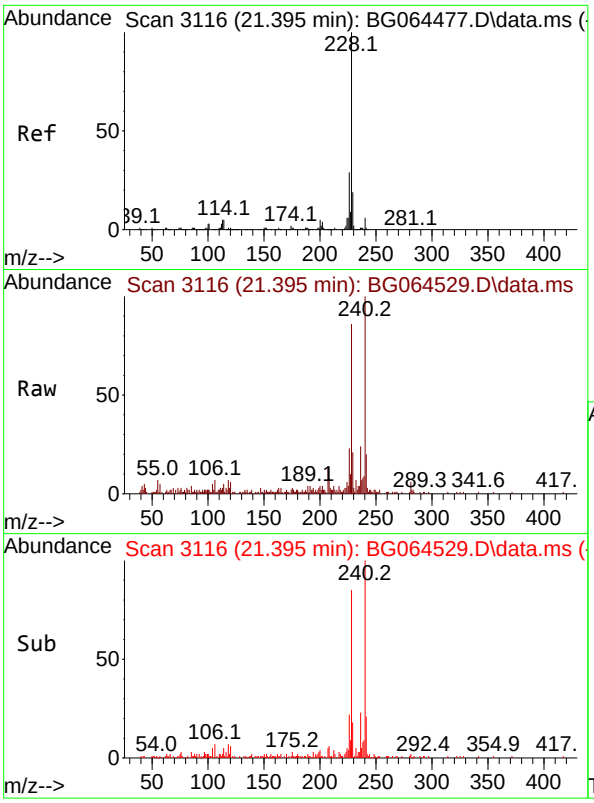


#79
Terphenyl-d14
Concen: 12.525 ng
RT: 19.802 min Scan# 2845
Delta R.T. -0.004 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

Tgt Ion:244 Resp: 86384

Ion	Ratio	Lower	Upper
244	100		
212	8.6	7.0	10.6
122	5.8	5.6	8.4



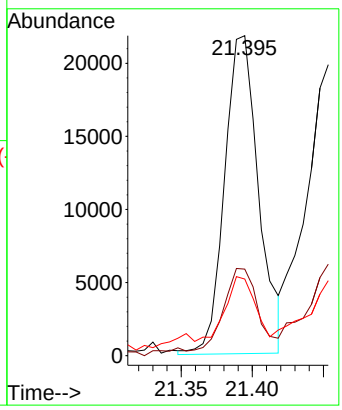


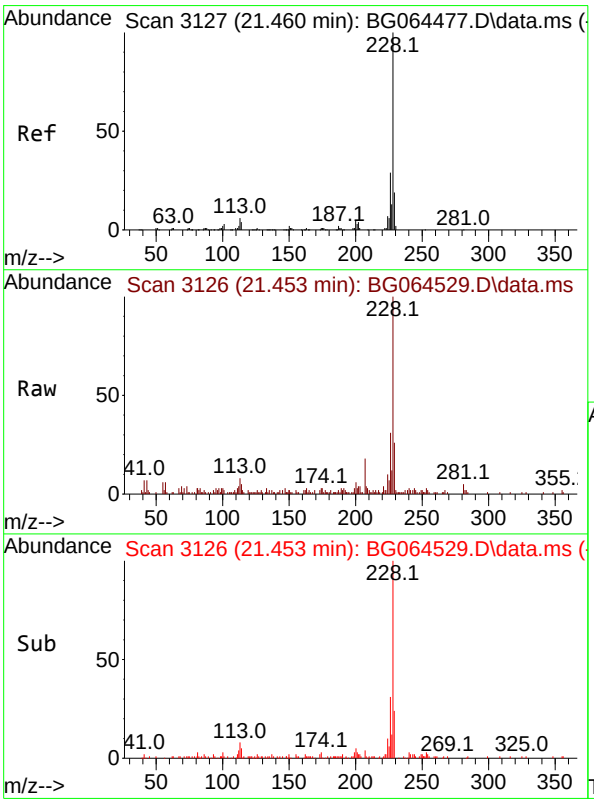
#81
Benzo(a)anthracene
Concen: 4.358 ng
RT: 21.395 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

Instrument :
BNA_G
ClientSampleId :
EO-03-101525

Tgt Ion:228 Resp: 36323

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.8	34.2
229	23.9	15.2	22.8#

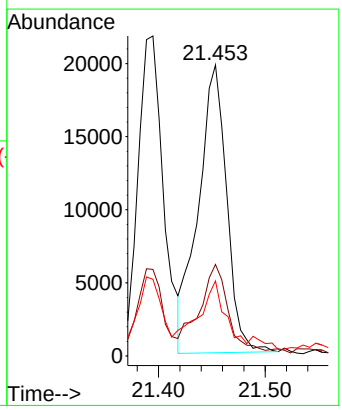


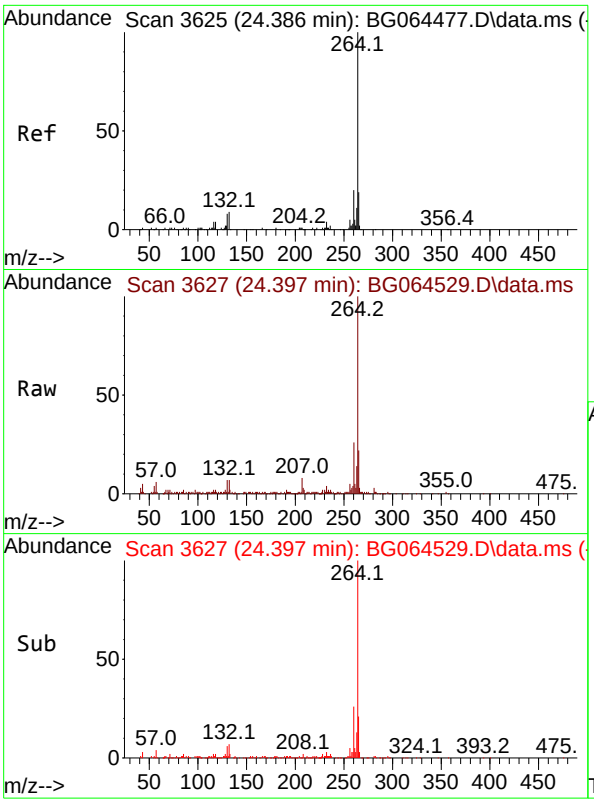


#83
Chrysene
Concen: 4.622 ng
RT: 21.453 min Scan# 3126
Delta R.T. 0.002 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

Tgt Ion:228 Resp: 36531

Ion	Ratio	Lower	Upper
228	100		
226	31.5	22.8	34.2
229	25.8	15.4	23.0#



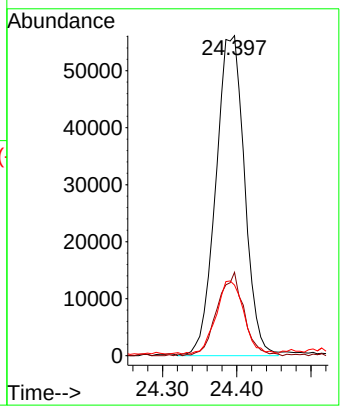


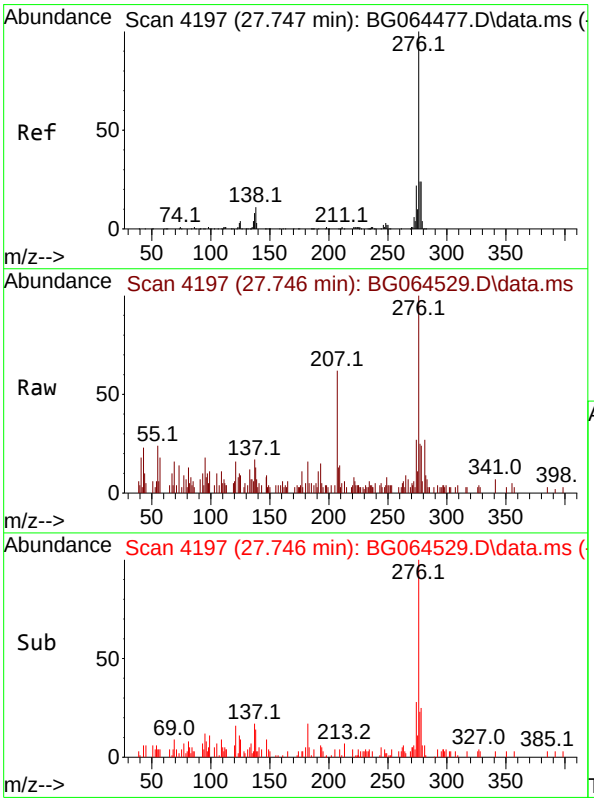
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3
Delta R.T. 0.008 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

Instrument :
BNA_G
ClientSampleId :
EO-03-101525

Tgt Ion:264 Resp: 150831

Ion	Ratio	Lower	Upper
264	100		
260	26.1	16.2	24.4#
265	22.0	15.0	22.4

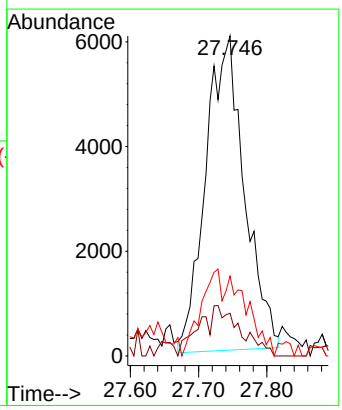


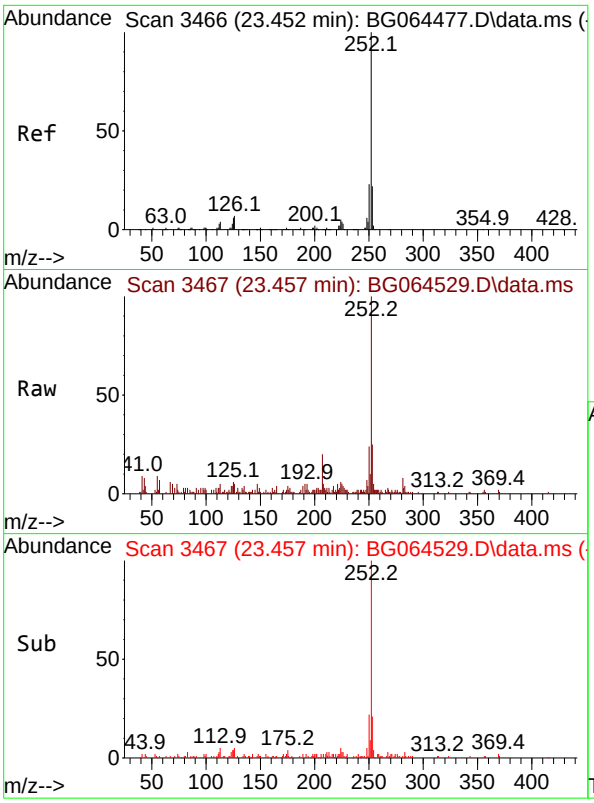


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.261 ng
RT: 27.746 min Scan# 4197
Delta R.T. 0.014 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

Tgt Ion:276 Resp: 23733

Ion	Ratio	Lower	Upper
276	100		
138	5.5	10.8	16.2#
277	14.8	20.3	30.5#



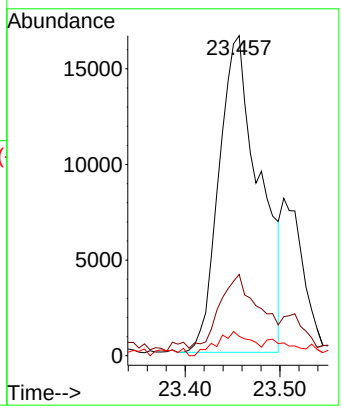


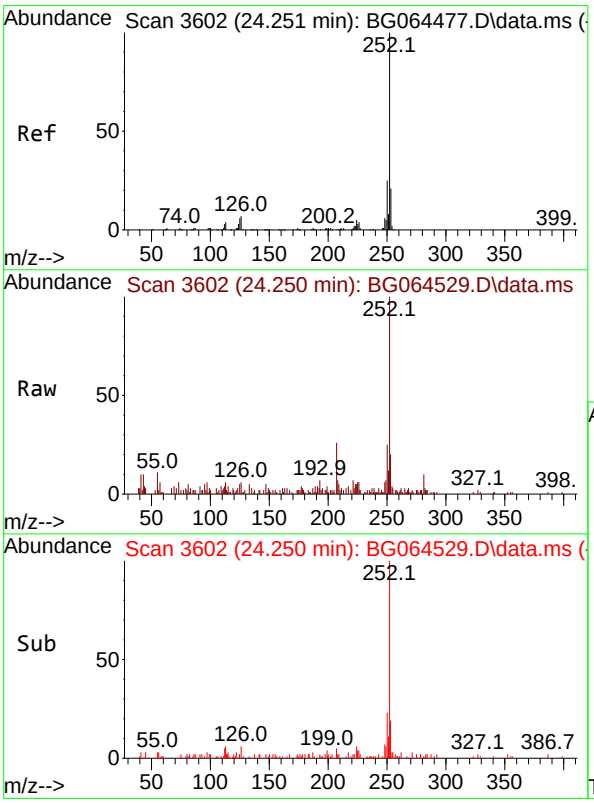
#88
Benzo(b)fluoranthene
Concen: 5.724 ng
RT: 23.457 min Scan# 34
Delta R.T. 0.008 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

Instrument :
BNA_G
ClientSampleId :
EO-03-101525

Tgt Ion:252 Resp: 49120

Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.5	26.3
125	6.1	4.5	6.7

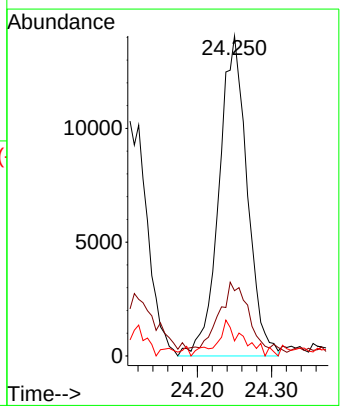


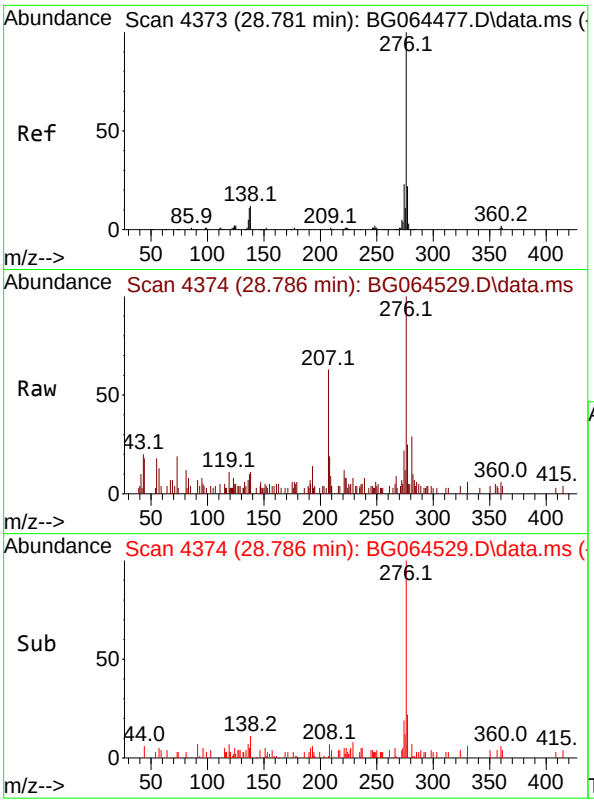


#90
Benzo(a)pyrene
Concen: 4.692 ng
RT: 24.250 min Scan# 3602
Delta R.T. 0.002 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

Tgt Ion:252 Resp: 37107

Ion	Ratio	Lower	Upper
252	100		
253	20.4	17.1	25.7
125	4.7	4.6	6.8





#92
Benzo(g,h,i)perylene
Concen: 3.259 ng
RT: 28.786 min Scan# 4
Delta R.T. 0.019 min
Lab File: BG064529.D
Acq: 16 Oct 2025 23:46

Instrument :
BNA_G
ClientSampleId :
EO-03-101525

Tgt Ion:276 Resp: 26593

Ion	Ratio	Lower	Upper
276	100		
277	25.0	17.8	26.6
138	11.3	9.4	14.0