Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102025\
Data File : BG064553.D
Acq On : 20 Oct 2025 17:24
Operator : RC/JU
Sample : Q3392-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 20 17:59:48 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

Instrument :
BNA_G
ClientSampleId :
MH-20

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.818	152	14382	20.000	ng		0.00
21) Naphthalene-d8	10.603	136	61148	20.000	ng	#	0.00
39) Acenaphthene-d10	14.446	164	43176	20.000	ng		0.00
64) Phenanthrene-d10	17.189	188	98218	20.000	ng	#	0.00
76) Chrysene-d12	21.414	240	108709	20.000	ng		0.00
86) Perylene-d12	24.405	264	122870	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.415	112	68788	88.517	ng		0.00
7) Phenol-d6	7.001	99	85336	81.714	ng		0.02
23) Nitrobenzene-d5	8.976	82	58739	51.652	ng		0.00
42) 2,4,6-Tribromophenol	15.938	330	65856	84.148	ng		0.00
45) 2-Fluorobiphenyl	13.071	172	157221	53.674	ng		0.00
79) Terphenyl-d14	19.810	244	289806	50.452	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	17.231	178	30813	5.999	ng		97
75) Fluoranthene	19.240	202	50540	8.236	ng		98
78) Pyrene	19.604	202	67580	9.579	ng		97
81) Benzo(a)anthracene	21.396	228	31119	4.483	ng	#	92
83) Chrysene	21.461	228	38230m	5.808	ng		
87) Indeno(1,2,3-cd)pyrene	27.759	276	20868	2.440	ng	#	82
88) Benzo(b)fluoranthene	23.470	252	40140	5.742	ng	#	93
90) Benzo(a)pyrene	24.264	252	32300	5.014	ng	#	96
92) Benzo(g,h,i)perylene	28.823	276	27458m	4.131	ng		

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

Quantitation Report (LSC Reviewed)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MH-20

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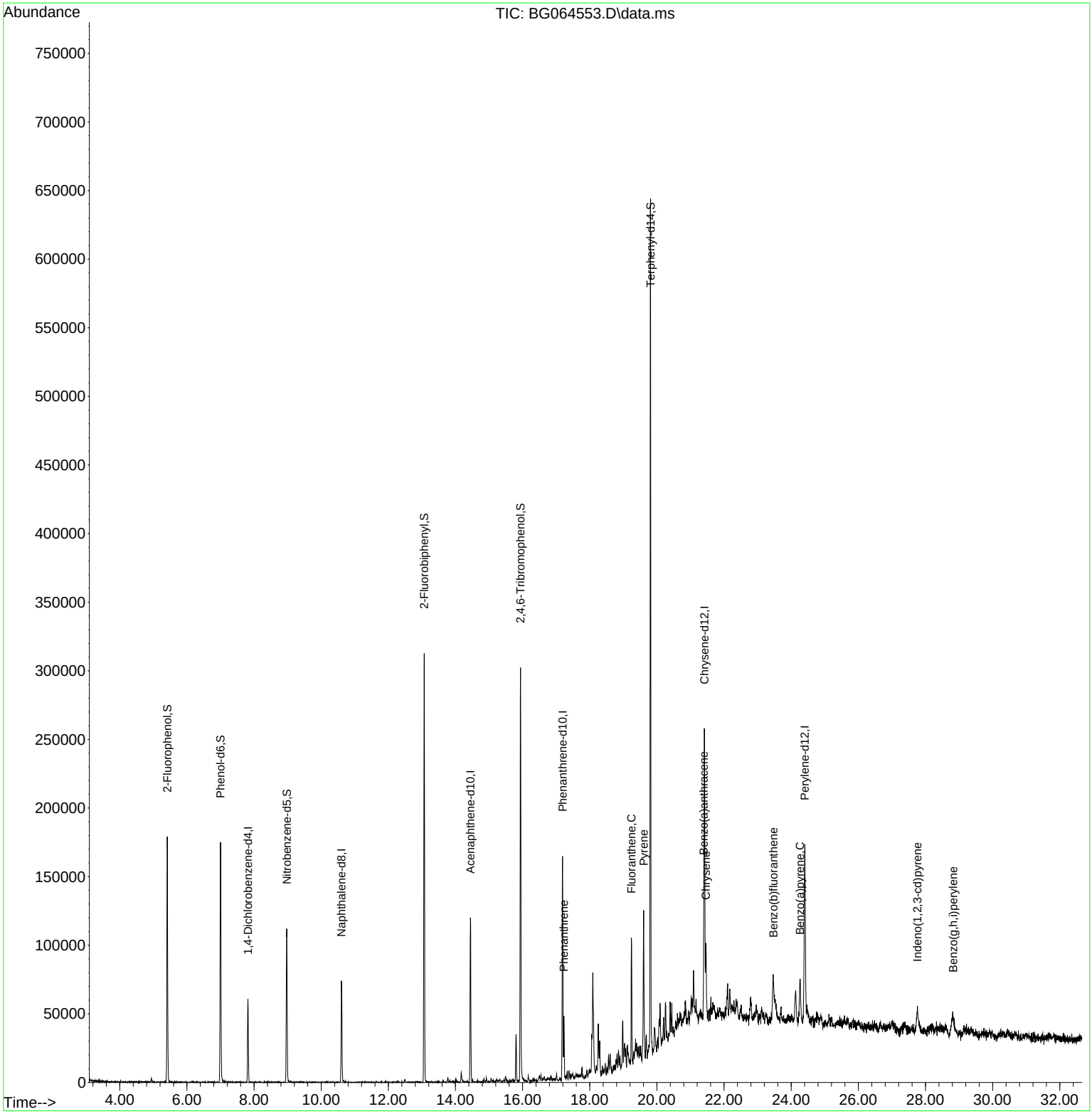
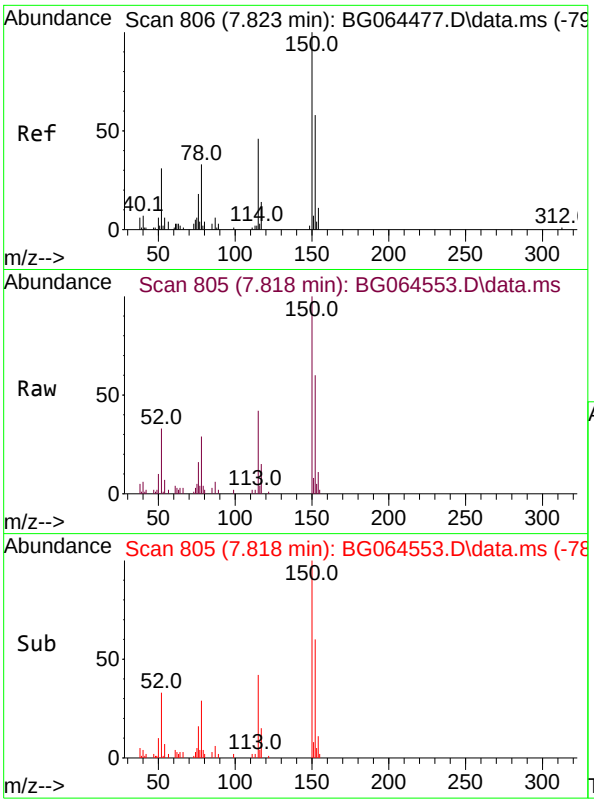
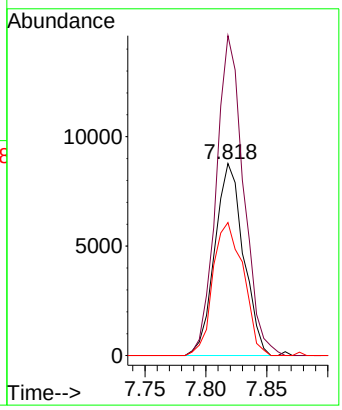




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.818 min Scan# 80
Delta R.T. -0.002 min
Lab File: BG064553.D
Acq: 20 Oct 2025 17:24

Tgt Ion:152 Resp: 1438

Ion	Ratio	Lower	Upper
152	100		
150	166.7	138.6	207.8
115	69.3	63.4	95.2



Instrument :
BNA_G
ClientSampleId :
MH-20

Manual Integrations
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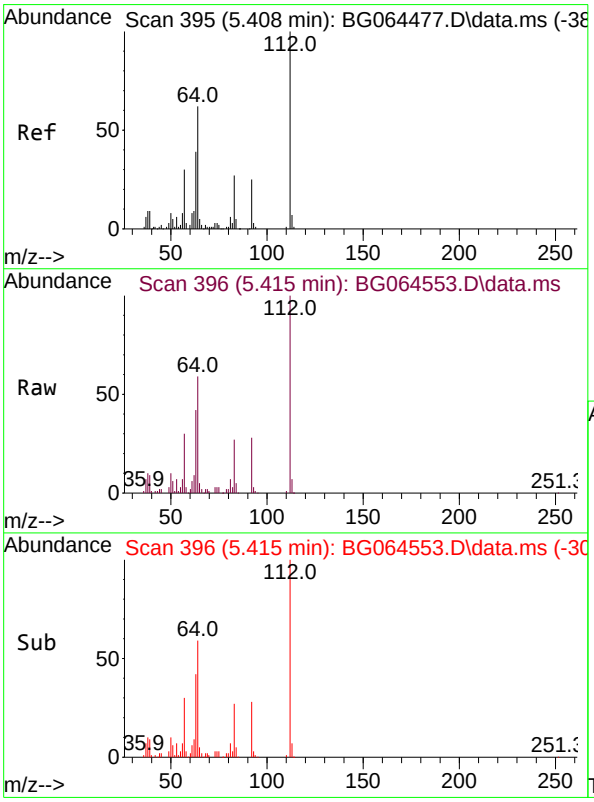
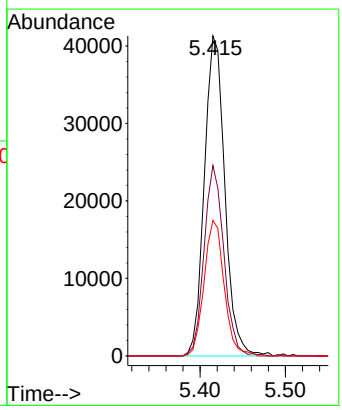
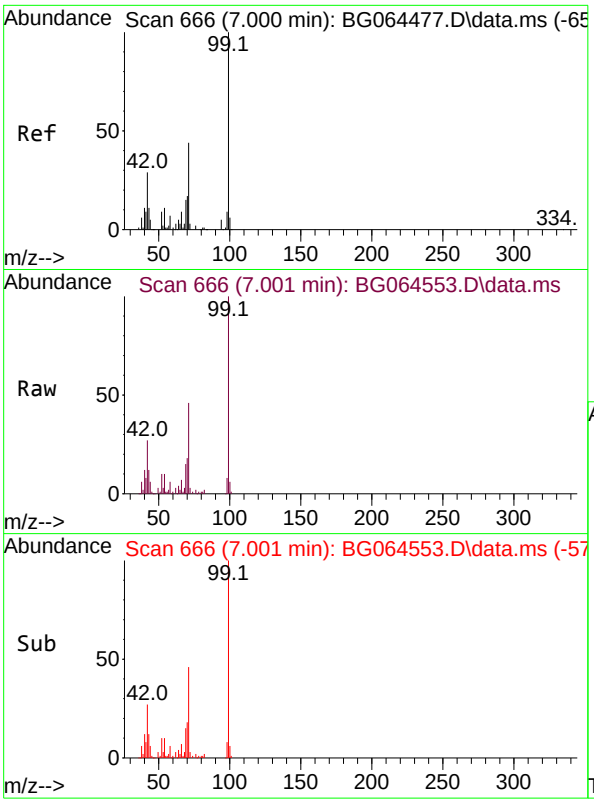


#5
2-Fluorophenol
Concen: 88.517 ng
RT: 5.415 min Scan# 396
Delta R.T. 0.009 min
Lab File: BG064553.D
Acq: 20 Oct 2025 17:24

Tgt Ion:112 Resp: 68788

Ion	Ratio	Lower	Upper
112	100		
64	59.5	49.8	74.8
63	42.3	31.3	46.9

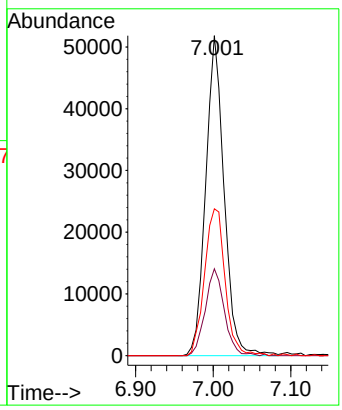




#7
Phenol-d6
Concen: 81.714 ng
RT: 7.001 min Scan# 6
Delta R.T. 0.015 min
Lab File: BG064553.D
Acq: 20 Oct 2025 17:24

Tgt Ion: 99 Resp: 8533

Ion	Ratio	Lower	Upper
99	100		
42	27.1	22.9	34.3
71	45.9	35.4	53.2



Instrument :
BNA_G
ClientSampleId :
MH-20

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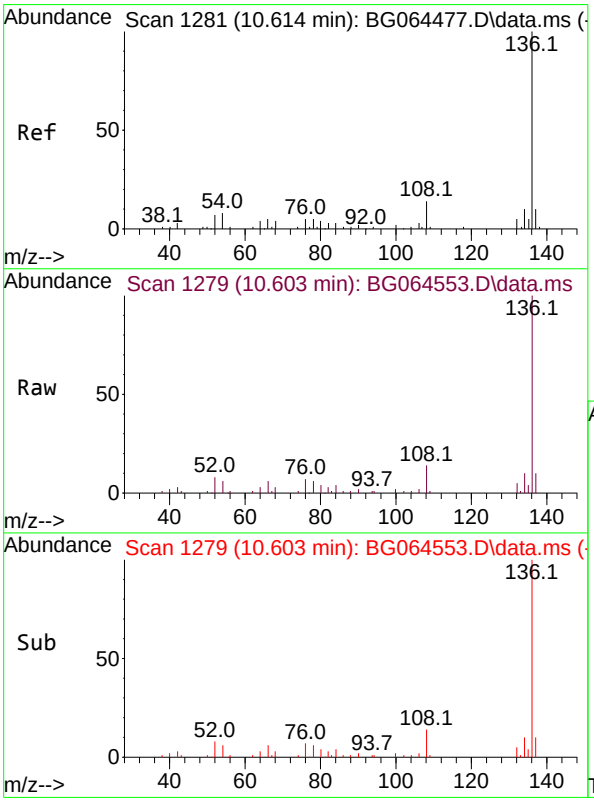
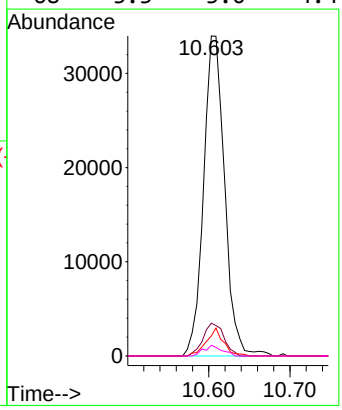
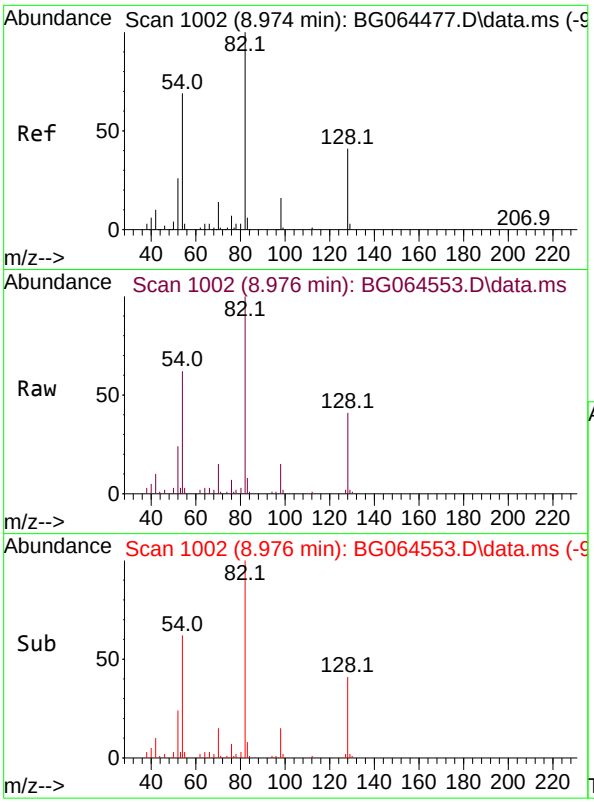


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.603 min Scan# 1279
Delta R.T. -0.002 min
Lab File: BG064553.D
Acq: 20 Oct 2025 17:24

Tgt Ion:136 Resp: 61148

Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.3	12.5
54	6.2	6.2	9.4#
68	3.3	3.0	4.4





#23
Nitrobenzene-d5
Concen: 51.652 ng
RT: 8.976 min Scan# 10
Delta R.T. 0.009 min
Lab File: BG064553.D
Acq: 20 Oct 2025 17:24

Tgt Ion: 82 Resp: 5873

Ion	Ratio	Lower	Upper
82	100		
128	41.3	33.1	49.7
54	61.7	55.4	83.2

Instrument :
BNA_G
ClientSampleId :
MH-20

Manual Integrations
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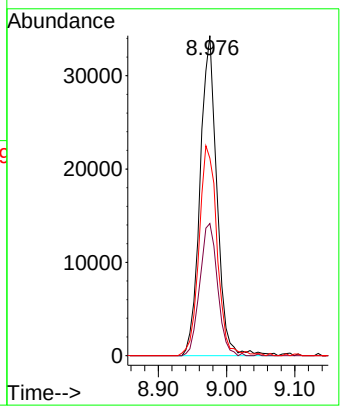
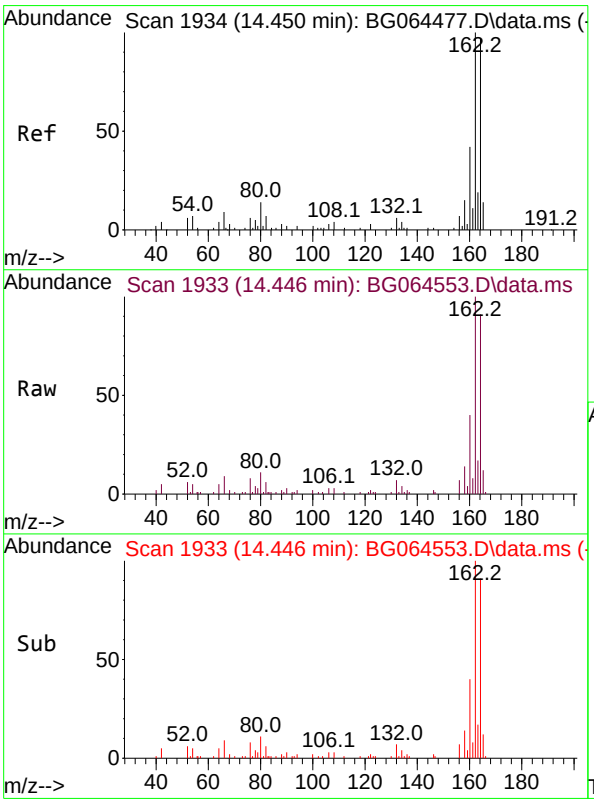
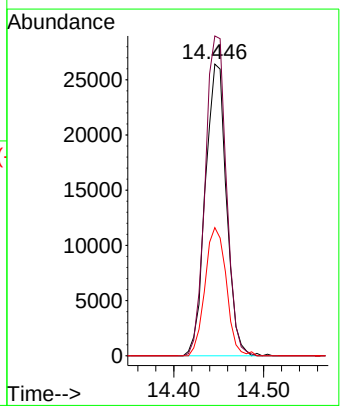


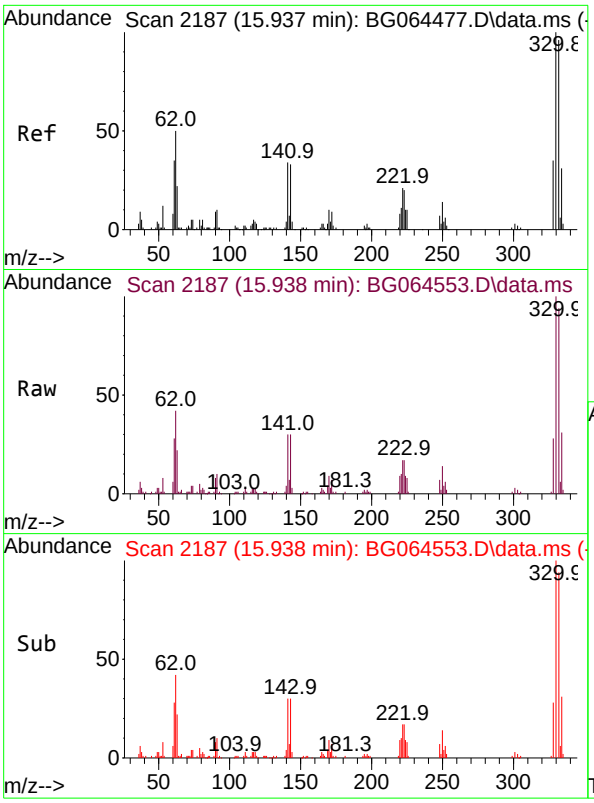


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.446 min Scan# 1933
Delta R.T. -0.002 min
Lab File: BG064553.D
Acq: 20 Oct 2025 17:24

Tgt Ion:164 Resp: 43176

Ion	Ratio	Lower	Upper
164	100		
162	109.7	82.2	123.2
160	44.0	34.3	51.5

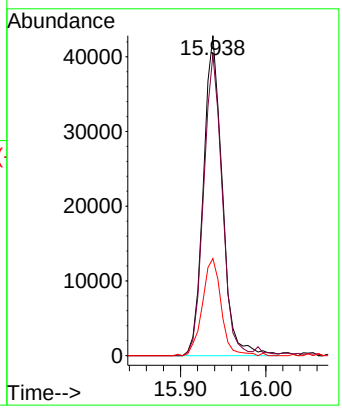




#42
2,4,6-Tribromophenol
Concen: 84.148 ng
RT: 15.938 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064553.D
Acq: 20 Oct 2025 17:24

Tgt Ion:330 Resp: 6585

Ion	Ratio	Lower	Upper
330	100		
332	92.3	77.4	116.0
141	30.2	25.8	38.6



Instrument :
BNA_G
ClientSampleId :
MH-20

Manual Integrations
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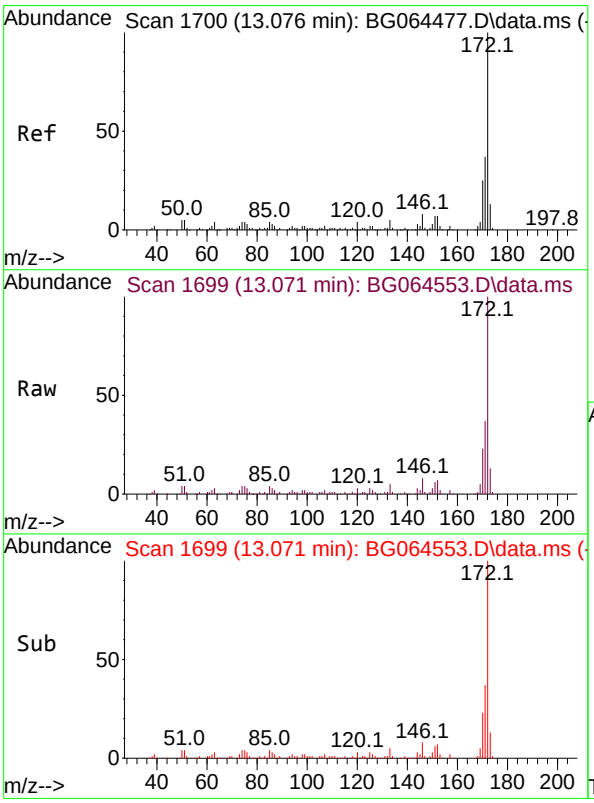
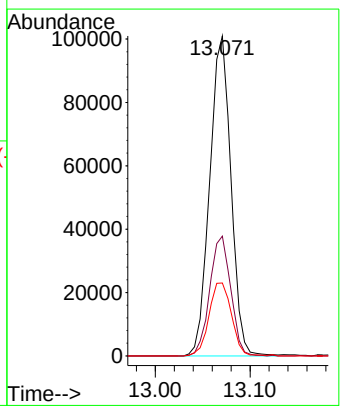
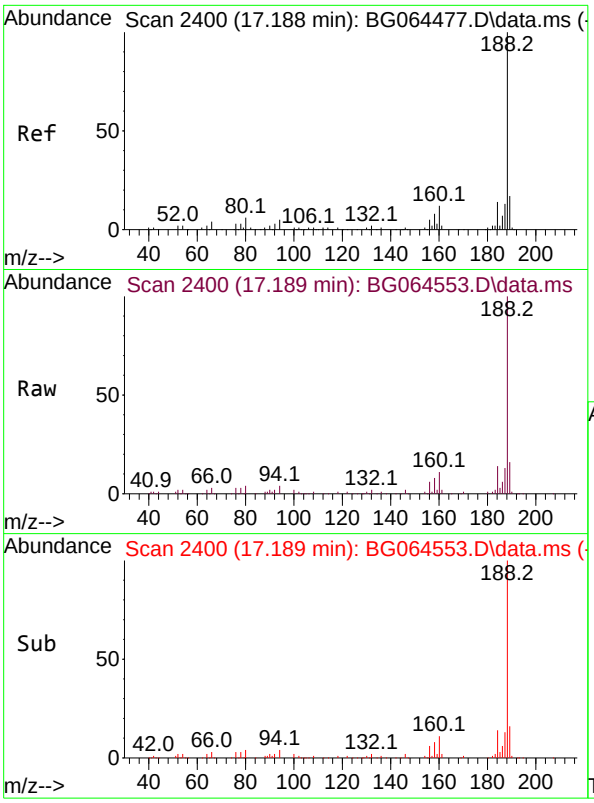


#45
2-Fluorobiphenyl
Concen: 53.674 ng
RT: 13.071 min Scan# 1699
Delta R.T. 0.004 min
Lab File: BG064553.D
Acq: 20 Oct 2025 17:24

Tgt Ion:172 Resp: 157221

Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.6	44.4
170	22.8	20.2	30.2

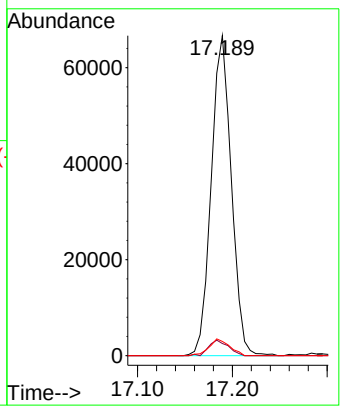




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 24
Delta R.T. 0.003 min
Lab File: BG064553.D
Acq: 20 Oct 2025 17:24

Tgt Ion:188 Resp: 9821

Ion	Ratio	Lower	Upper
188	100		
94	3.8	3.7	5.5
80	4.4	4.5	6.7



Instrument :
BNA_G
ClientSampleId :
MH-20

Manual Integrations
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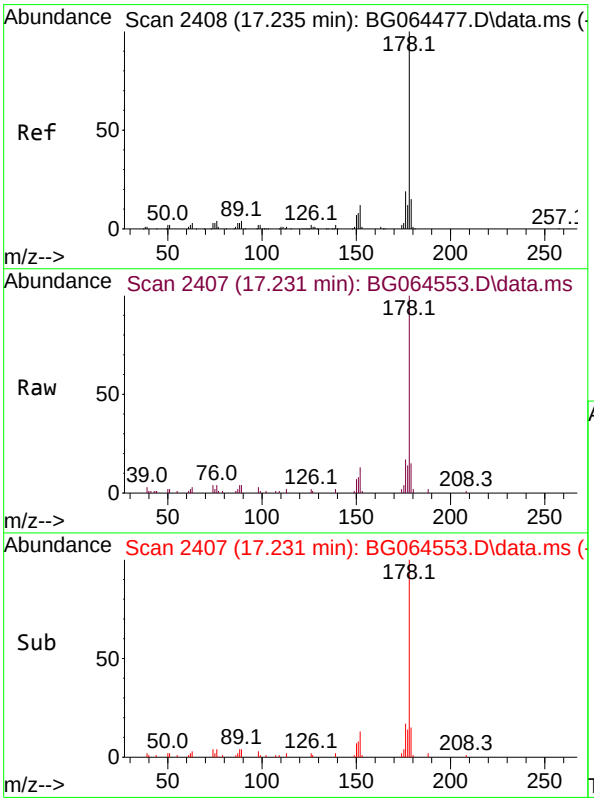
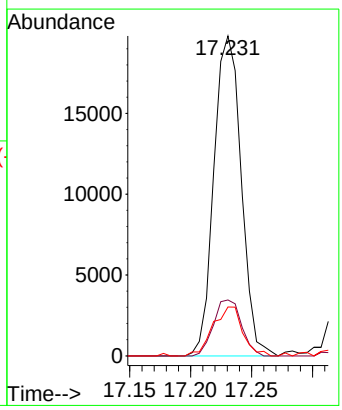
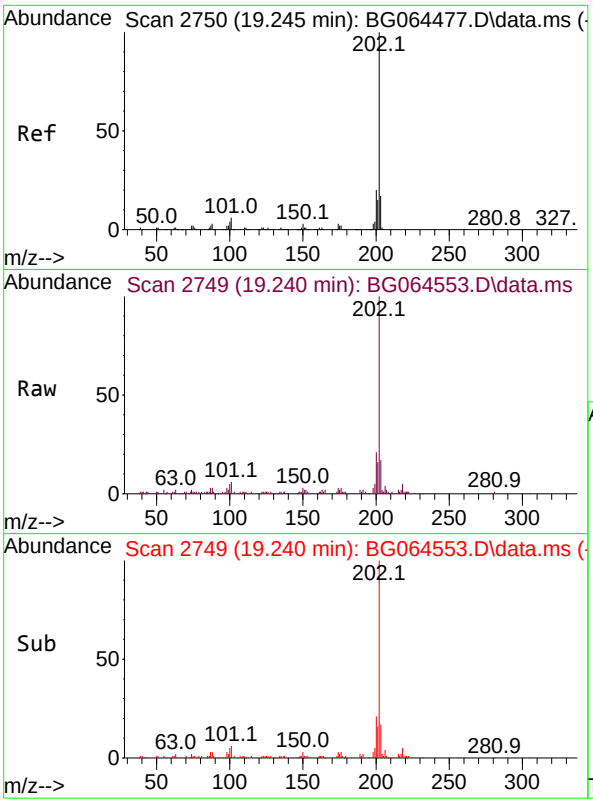


#71
Phenanthrene
Concen: 5.999 ng
RT: 17.231 min Scan# 2407
Delta R.T. 0.003 min
Lab File: BG064553.D
Acq: 20 Oct 2025 17:24

Tgt Ion:178 Resp: 30813

Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.2	22.8
179	15.3	11.8	17.6

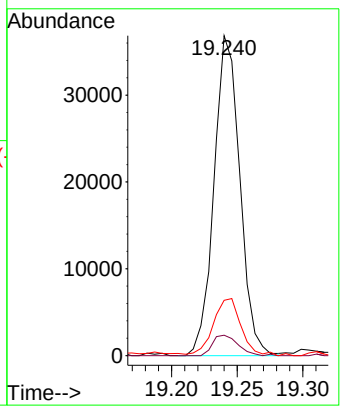




#75
Fluoranthene
Concen: 8.236 ng
RT: 19.240 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064553.D
Acq: 20 Oct 2025 17:24

Tgt Ion:202 Resp: 5054

Ion	Ratio	Lower	Upper
202	100		
101	6.4	0.0	25.7
203	17.3	0.0	36.6



Instrument :
BNA_G
ClientSampleId :
MH-20

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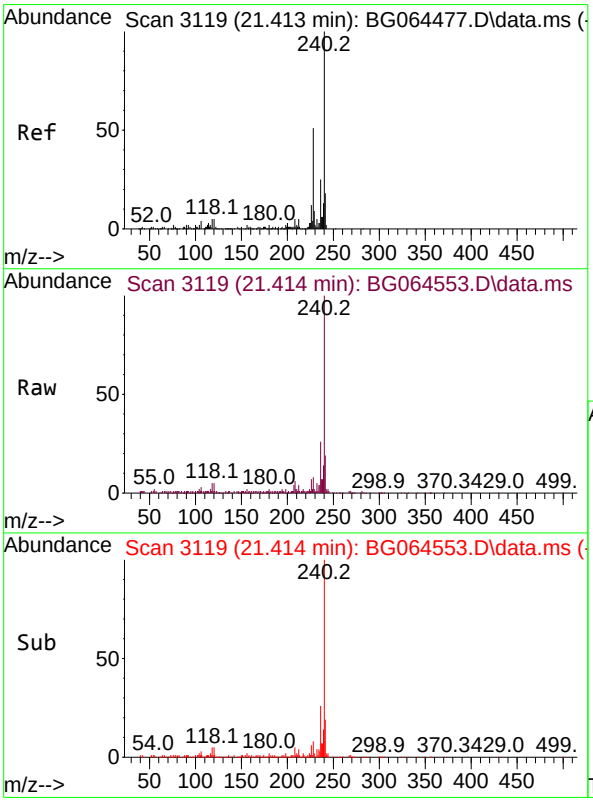
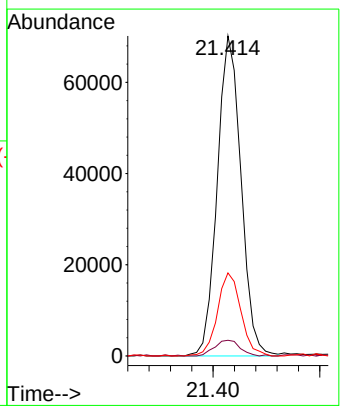
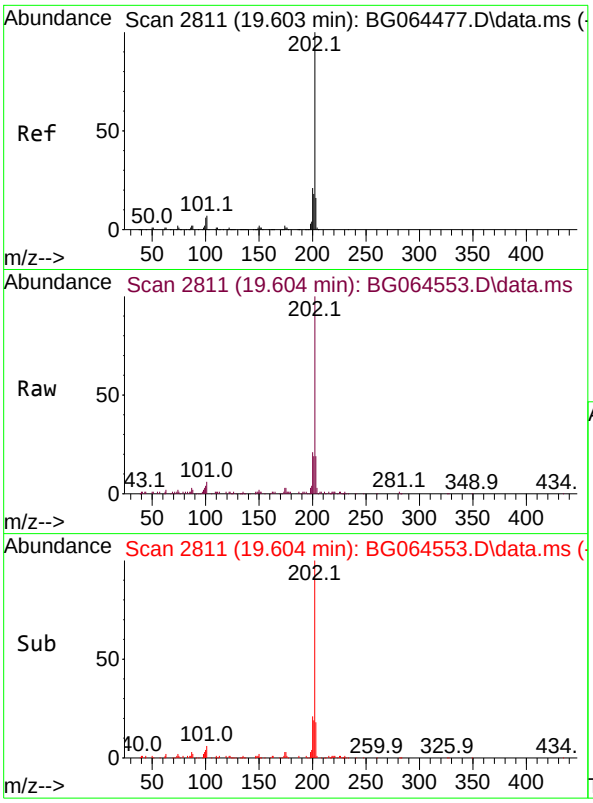


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.414 min Scan# 3119
Delta R.T. 0.004 min
Lab File: BG064553.D
Acq: 20 Oct 2025 17:24

Tgt Ion:240 Resp: 108709

Ion	Ratio	Lower	Upper
240	100		
120	4.9	4.3	6.5
236	25.9	20.4	30.6

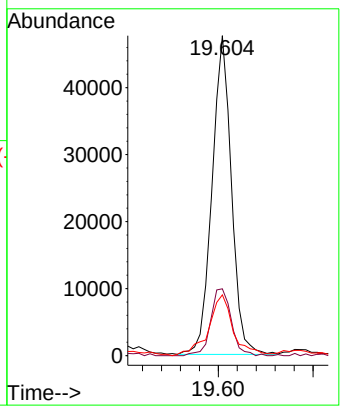




#78
Pyrene
Concen: 9.579 ng
RT: 19.604 min Scan# 28
Delta R.T. 0.003 min
Lab File: BG064553.D
Acq: 20 Oct 2025 17:24

Tgt Ion:202 Resp: 6758

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4
203	19.0	13.0	19.4



Instrument :
BNA_G
ClientSampleId :
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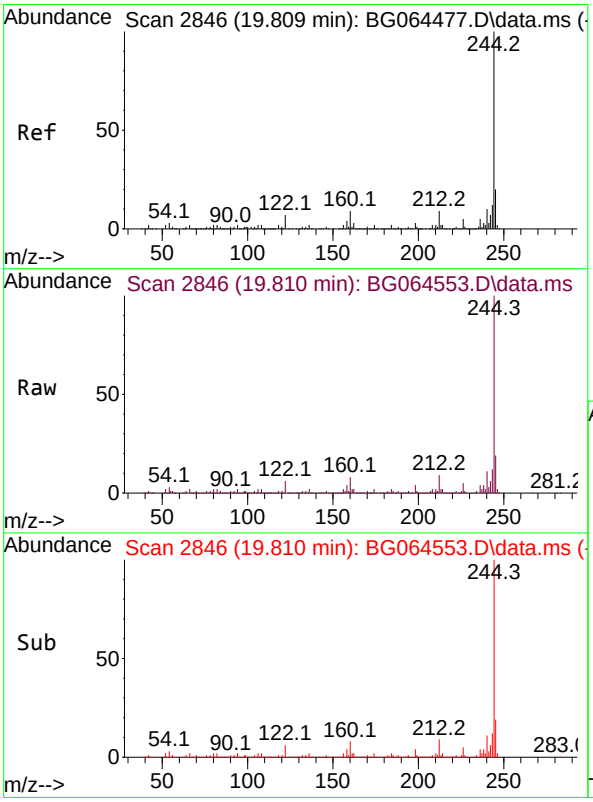
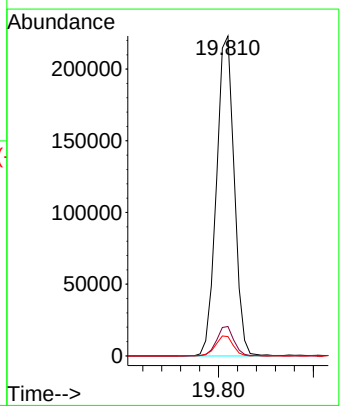
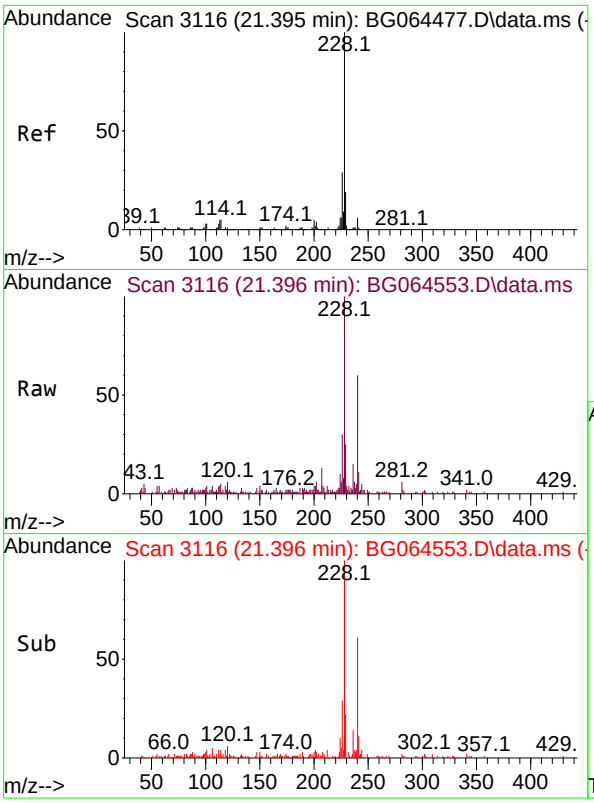


#79
Terphenyl-d14
Concen: 50.452 ng
RT: 19.810 min Scan# 2846
Delta R.T. 0.003 min
Lab File: BG064553.D
Acq: 20 Oct 2025 17:24

Tgt Ion:244 Resp: 289806

Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.0	10.6
122	6.0	5.6	8.4

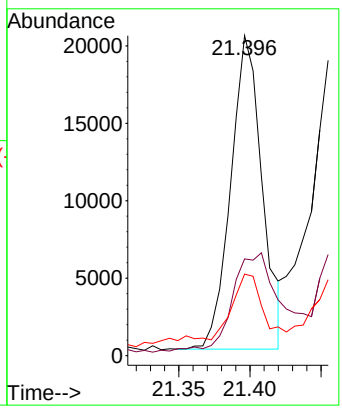




#81
Benzo(a)anthracene
Concen: 4.483 ng
RT: 21.396 min Scan# 31
Delta R.T. 0.003 min
Lab File: BG064553.D
Acq: 20 Oct 2025 17:24

Tgt Ion:228 Resp: 3111

Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.8	34.2
229	25.5	15.2	22.8#



Instrument :
BNA_G
ClientSampleId :
MH-20

Manual Integrations
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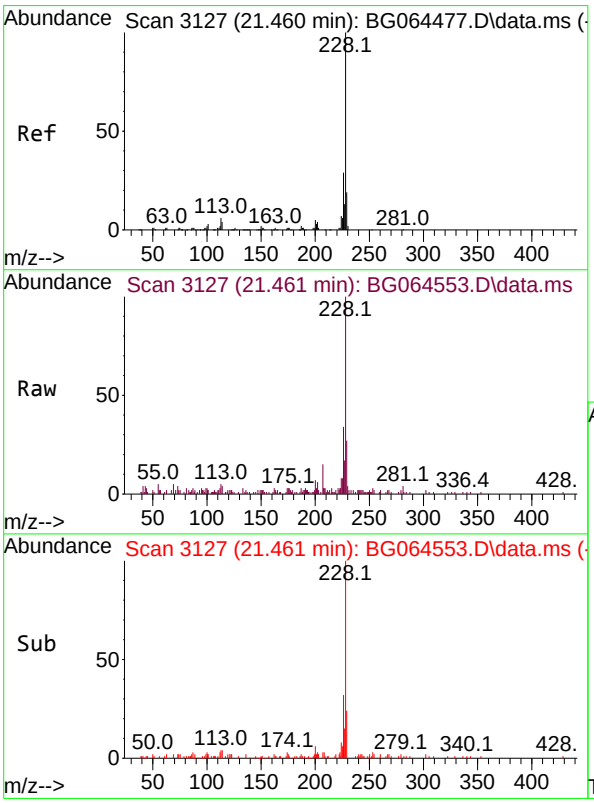
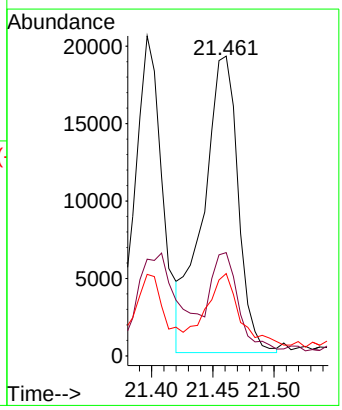
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025

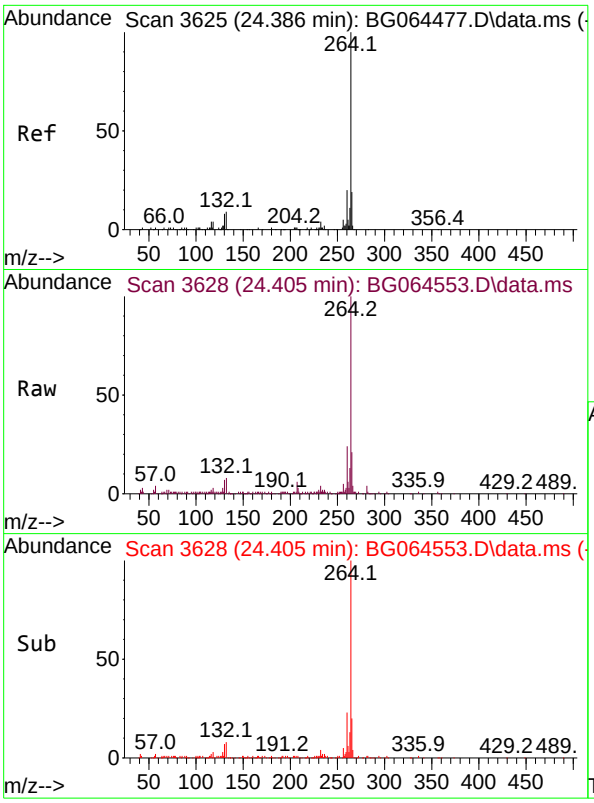


#83
Chrysene
Concen: 5.808 ng m
RT: 21.461 min Scan# 3127
Delta R.T. 0.009 min
Lab File: BG064553.D
Acq: 20 Oct 2025 17:24

Tgt Ion:228 Resp: 38230

Ion	Ratio	Lower	Upper
228	100		
226	34.5	22.8	34.2#
229	27.5	15.4	23.0#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.405 min Scan# 3
Delta R.T. 0.015 min
Lab File: BG064553.D
Acq: 20 Oct 2025 17:24

Tgt Ion:264 Resp: 12287

Ion	Ratio	Lower	Upper
264	100		
260	23.9	16.2	24.4
265	20.7	15.0	22.4

Instrument :
BNA_G
ClientSampleId :
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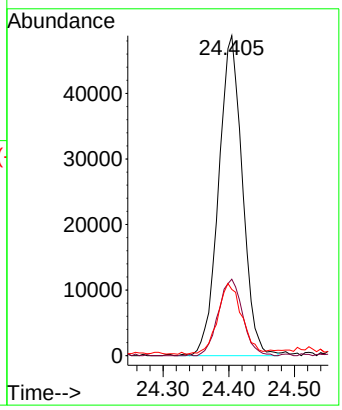
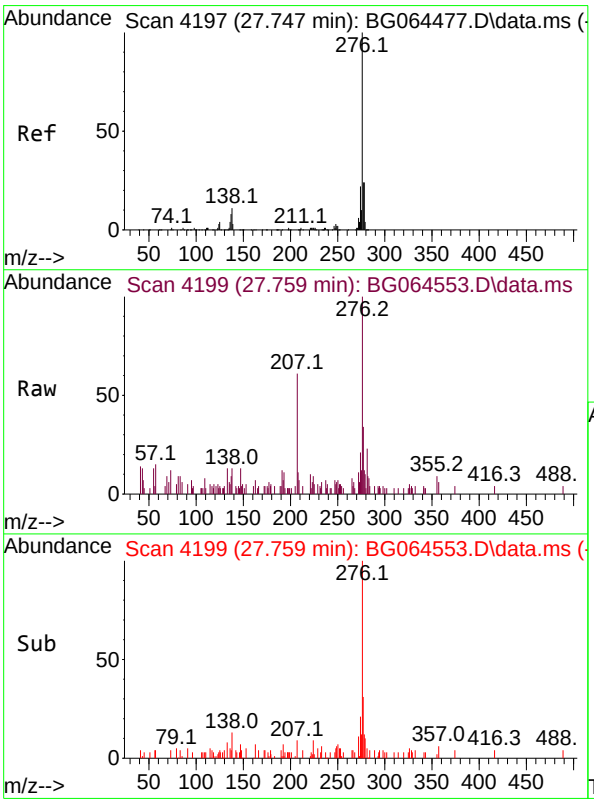
Supervised By :Jagrut Upadhyay 10/21/2025

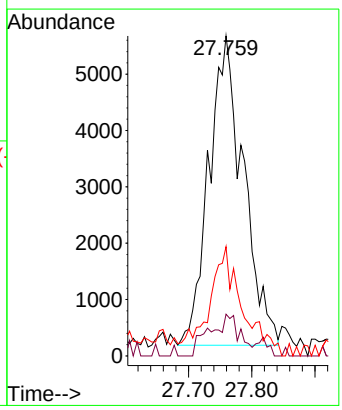


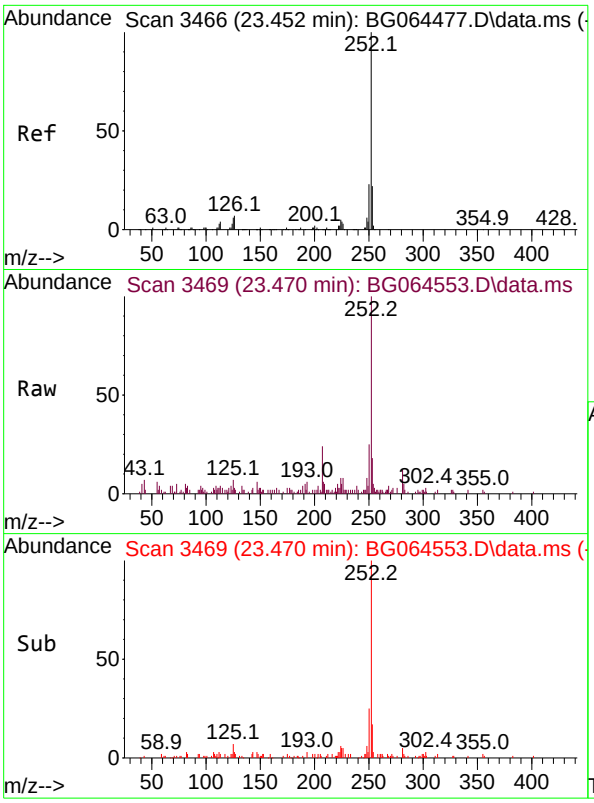


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.440 ng
RT: 27.759 min Scan# 4199
Delta R.T. 0.027 min
Lab File: BG064553.D
Acq: 20 Oct 2025 17:24

Tgt Ion:276 Resp: 20868

Ion	Ratio	Lower	Upper
276	100		
138	5.9	10.8	16.2#
277	34.3	20.3	30.5#

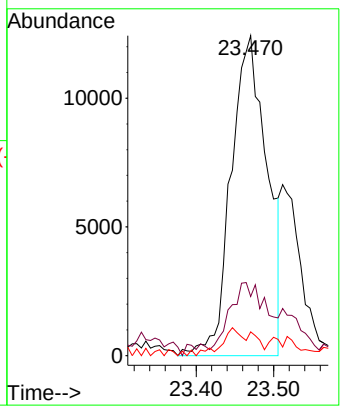




#88
Benzo(b)fluoranthene
Concen: 5.742 ng
RT: 23.470 min Scan# 34
Delta R.T. 0.021 min
Lab File: BG064553.D
Acq: 20 Oct 2025 17:24

Tgt Ion:252 Resp: 4014

Ion	Ratio	Lower	Upper
252	100		
253	18.5	17.5	26.3
125	7.4	4.5	6.7#



Instrument :
BNA_G
ClientSampleId :
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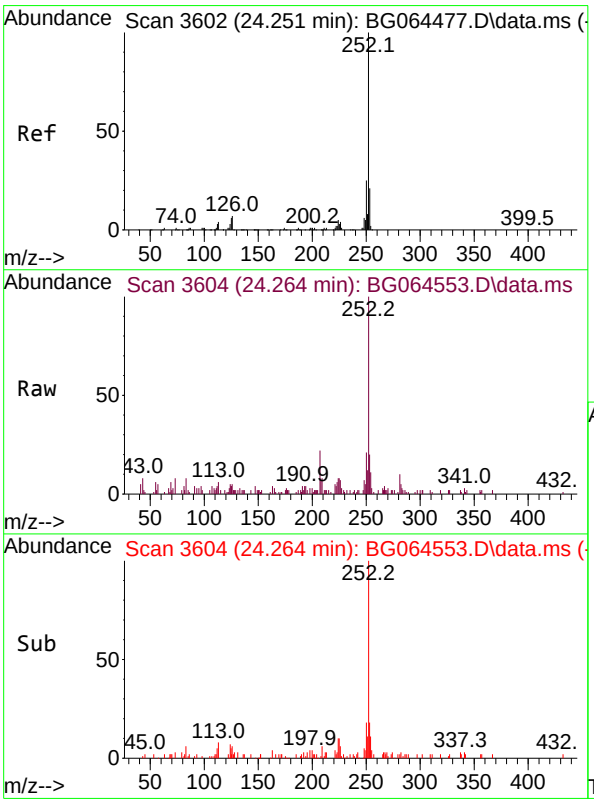
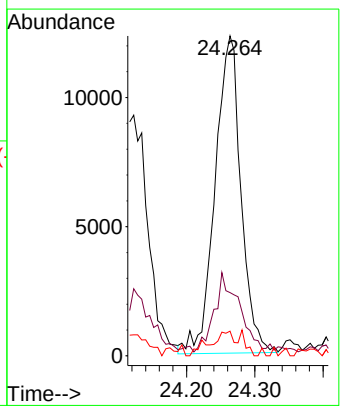
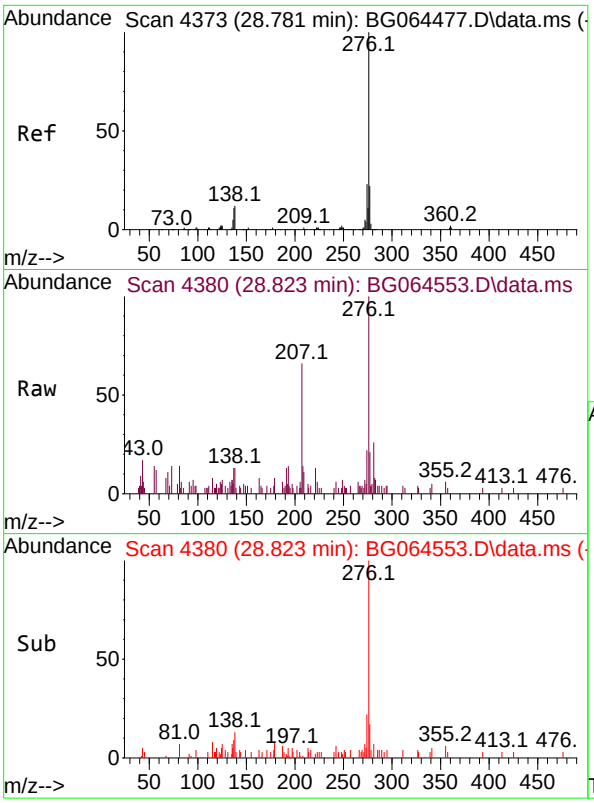


#90
Benzo(a)pyrene
Concen: 5.014 ng
RT: 24.264 min Scan# 3604
Delta R.T. 0.015 min
Lab File: BG064553.D
Acq: 20 Oct 2025 17:24

Tgt Ion:252 Resp: 32300

Ion	Ratio	Lower	Upper
252	100		
253	19.8	17.1	25.7
125	7.7	4.6	6.8#

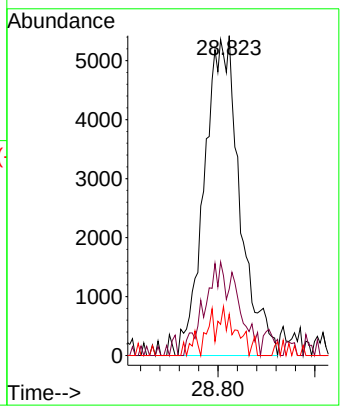




#92
Benzo(g,h,i)perylene
Concen: 4.131 ng m
RT: 28.823 min Scan# 4
Delta R.T. 0.056 min
Lab File: BG064553.D
Acq: 20 Oct 2025 17:24

Tgt Ion:276 Resp: 2745

Ion	Ratio	Lower	Upper
276	100		
277	20.8	17.8	26.6
138	12.9	9.4	14.0



Instrument :
BNA_G
ClientSampleId :
MH-20

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