Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031125\
Data File : BG064100.D
Acq On : 11 Mar 2025 17:59
Operator : RC/JU
Sample : Q1523-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 12 06:34:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
WC-A2-02-C

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.865	152	37349	20.000	ng	0.00
21) Naphthalene-d8	10.650	136	156052	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	103773	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	216840	20.000	ng	0.00
76) Chrysene-d12	21.455	240	225564	20.000	ng	0.00
86) Perylene-d12	24.469	264	244851	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.456	112	311767	130.340	ng	0.00
7) Phenol-d6	7.036	99	379747	116.702	ng	0.00
23) Nitrobenzene-d5	9.016	82	311873	110.442	ng	0.00
42) 2,4,6-Tribromophenol	15.973	330	183855	159.387	ng	0.00
45) 2-Fluorobiphenyl	13.112	172	644323	94.245	ng	0.00
79) Terphenyl-d14	19.851	244	1092452	97.929	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.703	128	134959	16.038	ng	97
37) 2-Methylnaphthalene	12.307	142	51251	8.627	ng	97
38) 1-Methylnaphthalene	12.524	142	41327m	7.101	ng	
52) Acenaphthene	14.545	154	12450	2.051	ng	90

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

Quantitation Report (QT Reviewed)

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Data File : BG064100.D
Acq On : 11 Mar 2025 17:59
Operator : RC/JU
Sample : Q1523-06
Misc :
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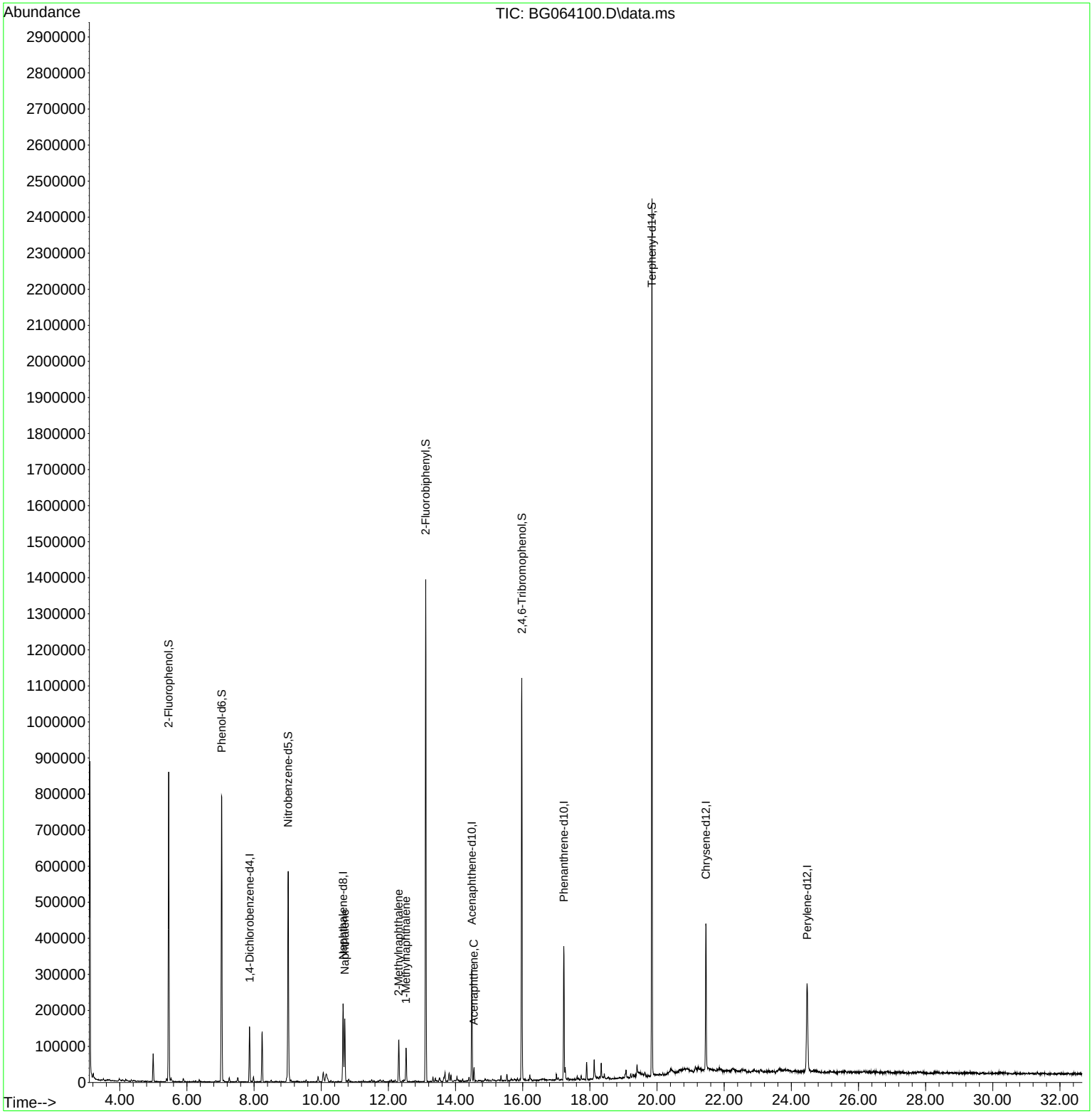
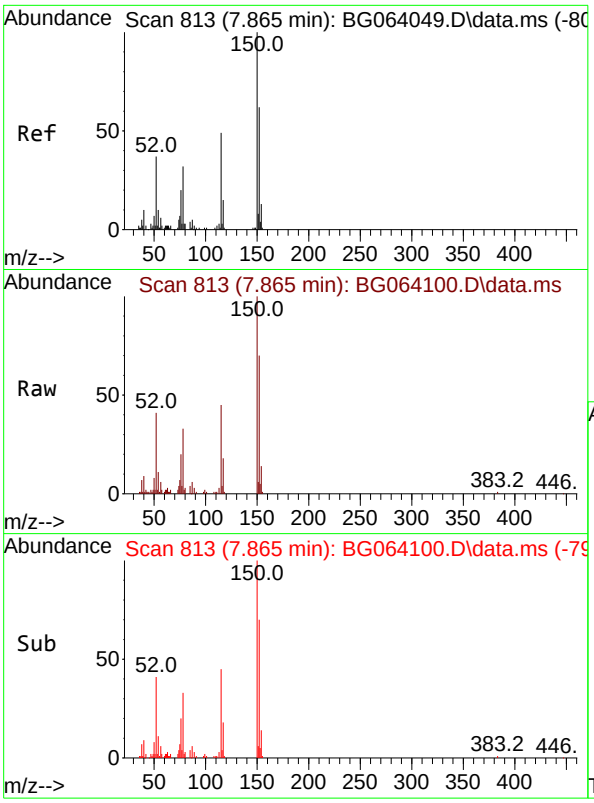
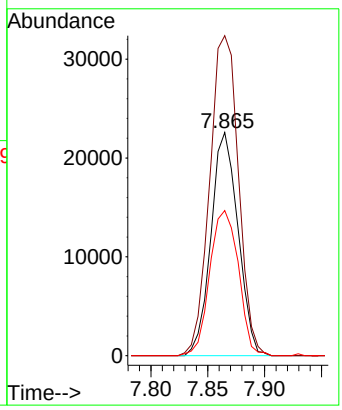




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.865 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

Tgt Ion:152 Resp: 3734

Ion	Ratio	Lower	Upper
152	100		
150	143.4	129.2	193.8
115	65.0	63.0	94.6



Instrument :
BNA_G
ClientSampleId :
WC-A2-02-C

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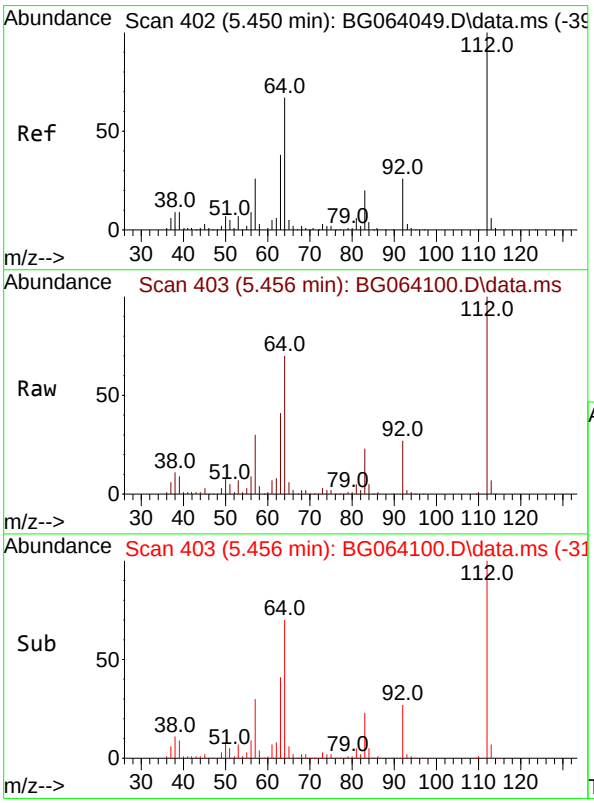
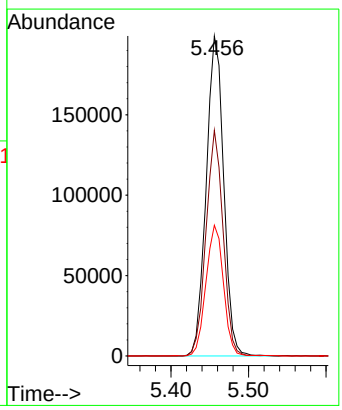
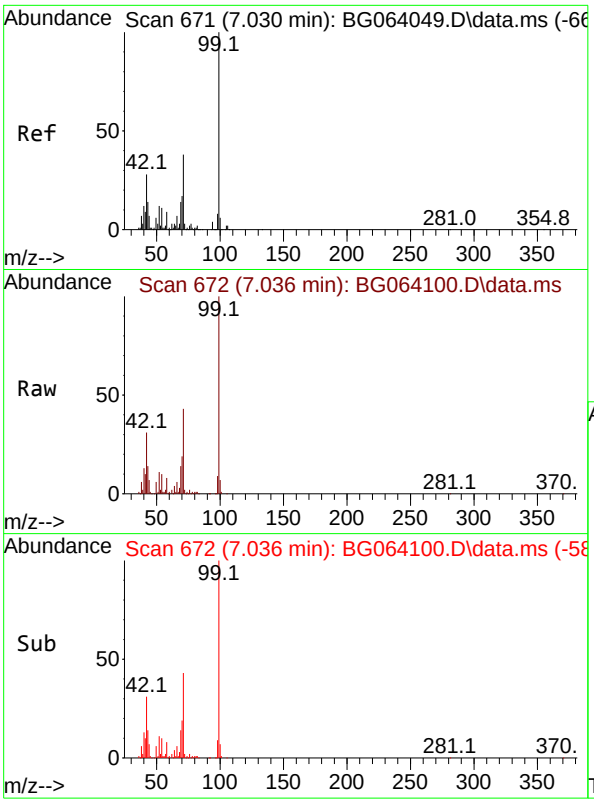


#5
2-Fluorophenol
Concen: 130.340 ng
RT: 5.456 min Scan# 403
Delta R.T. 0.006 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

Tgt Ion:112 Resp: 311767

Ion	Ratio	Lower	Upper
112	100		
64	70.5	53.7	80.5
63	40.9	30.2	45.4





#7
Phenol-d6
Concen: 116.702 ng
RT: 7.036 min Scan# 6
Delta R.T. 0.006 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

Tgt Ion: 99 Resp: 37974

Ion	Ratio	Lower	Upper
99	100		
42	30.8	22.7	34.1
71	42.8	30.6	46.0

Instrument :
BNA_G
ClientSampleId :
WC-A2-02-C

Manual Integrations
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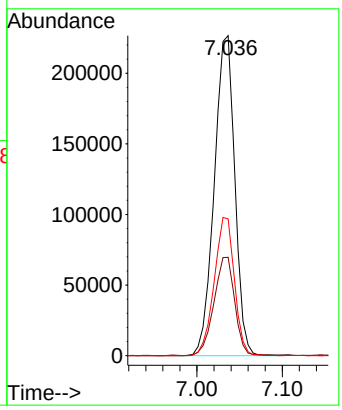
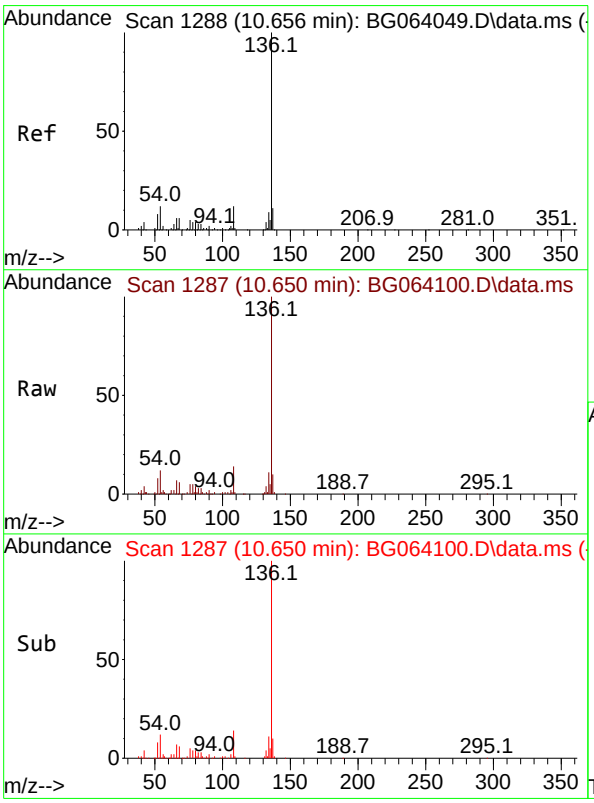
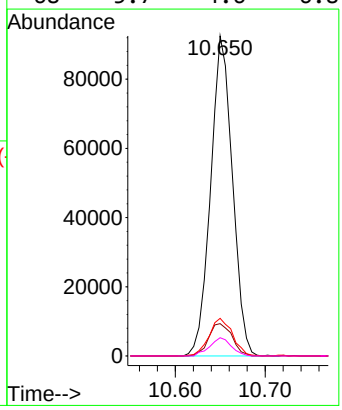


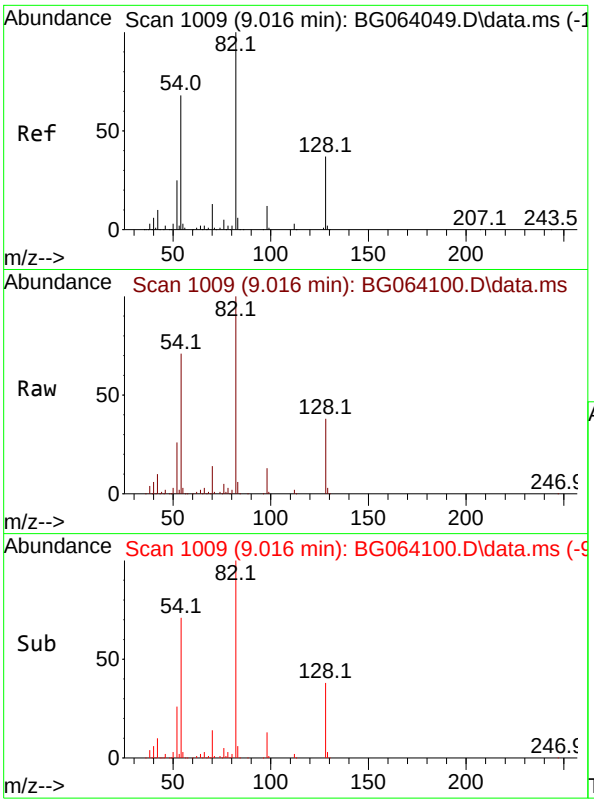


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.650 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

Tgt Ion:136 Resp: 156052

Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.5	12.7
54	11.8	9.9	14.9
68	5.7	4.6	6.8





#23
Nitrobenzene-d5
Concen: 110.442 ng
RT: 9.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

Tgt Ion: 82 Resp: 31187

Ion	Ratio	Lower	Upper
82	100		
128	38.4	30.0	45.0
54	70.7	54.7	82.1

Instrument :
BNA_G
ClientSampleId :
WC-A2-02-C

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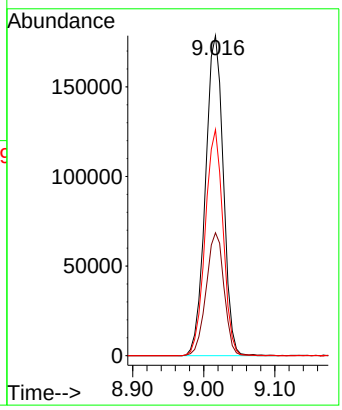
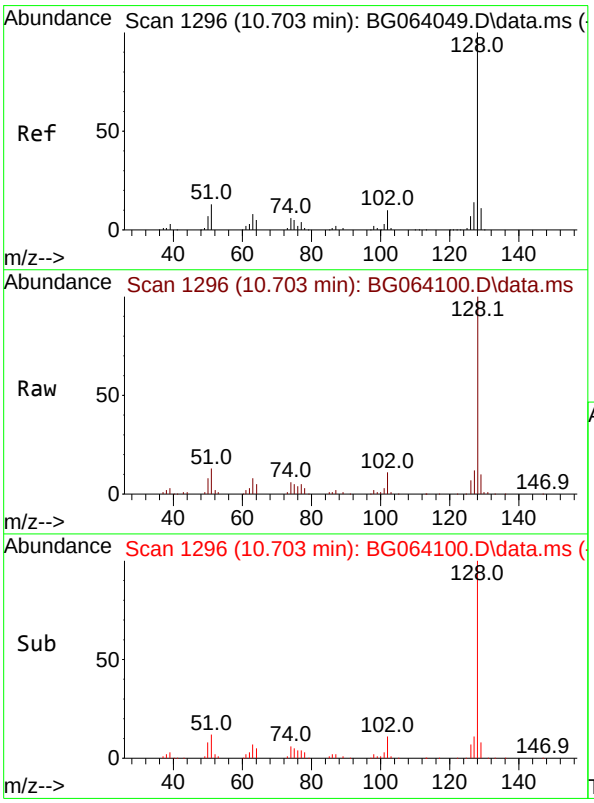
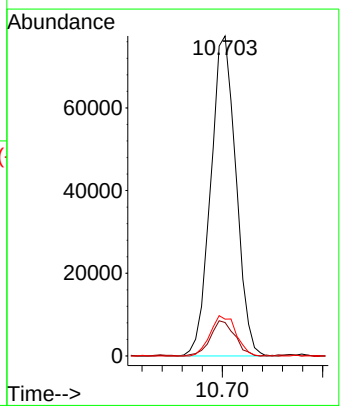


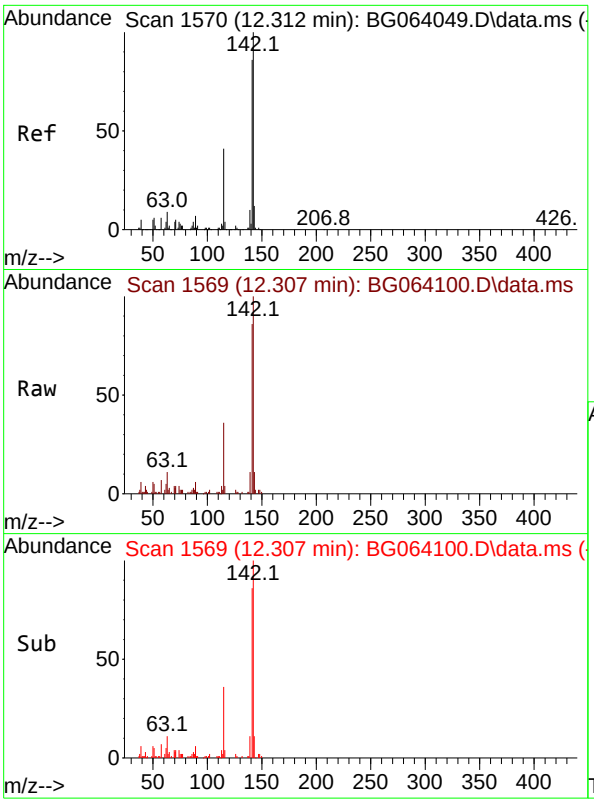


#31
Naphthalene
Concen: 16.038 ng
RT: 10.703 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

Tgt Ion:128 Resp: 134959

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.4	12.6
127	11.5	11.1	16.7

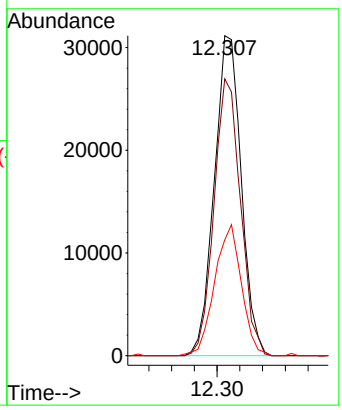




#37
2-Methylnaphthalene
Concen: 8.627 ng
RT: 12.307 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

Tgt Ion:142 Resp: 5125

Ion	Ratio	Lower	Upper
142	100		
141	86.5	68.6	103.0
115	36.2	32.8	49.2



Instrument :
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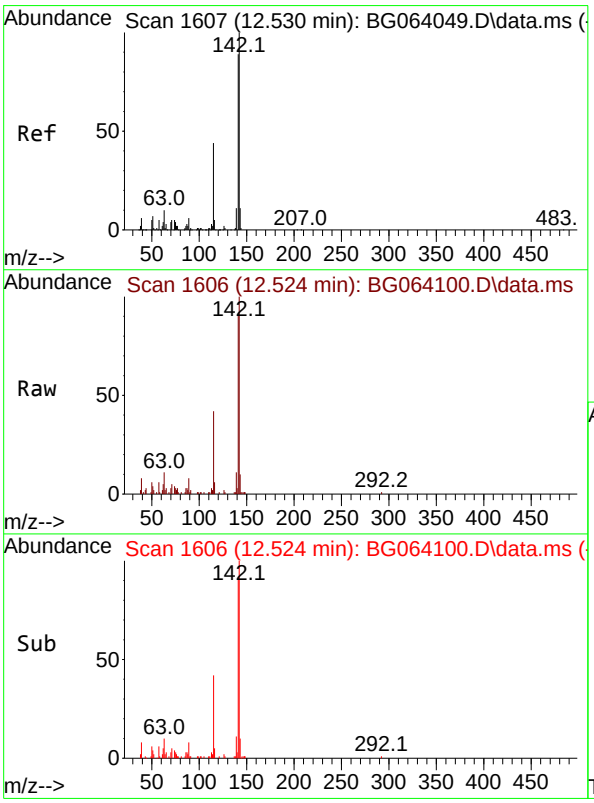
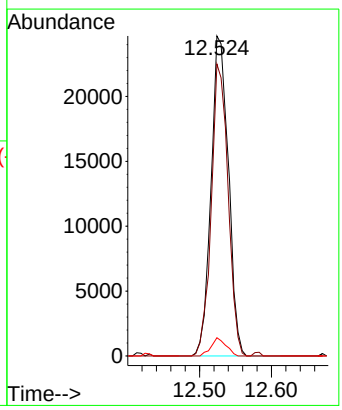
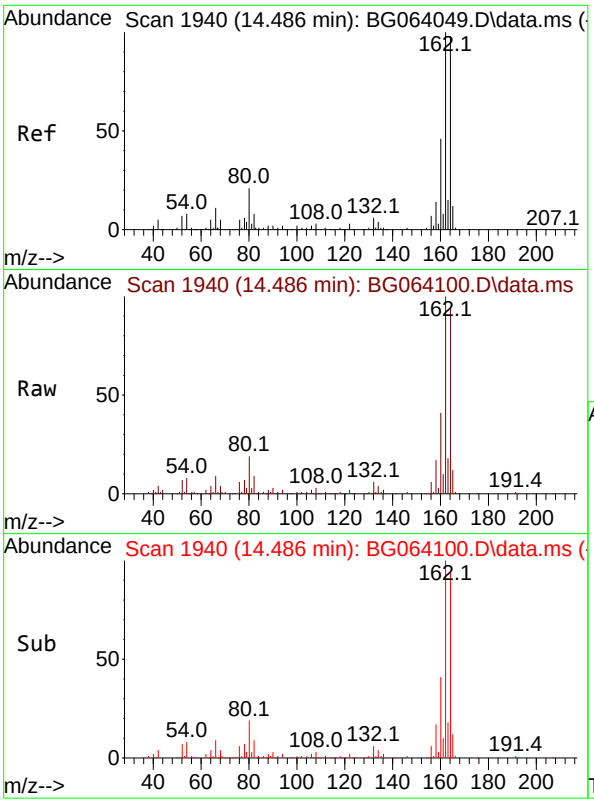


#38
1-Methylnaphthalene
Concen: 7.101 ng m
RT: 12.524 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

Tgt Ion:142 Resp: 41327

Ion	Ratio	Lower	Upper
142	100		
141	91.2	71.2	106.8
116	5.7	3.6	5.4#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

Tgt Ion:164 Resp: 10377

Ion	Ratio	Lower	Upper
164	100		
162	106.3	81.4	122.0
160	43.4	37.0	55.6

Instrument :
BNA_G
ClientSampleId :
WC-A2-02-C

Manual Integrations
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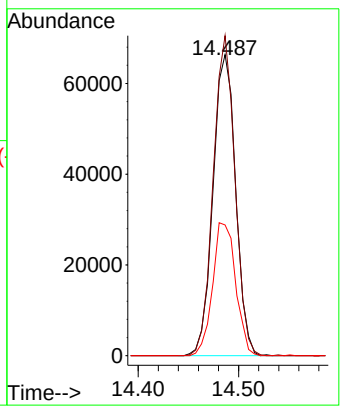
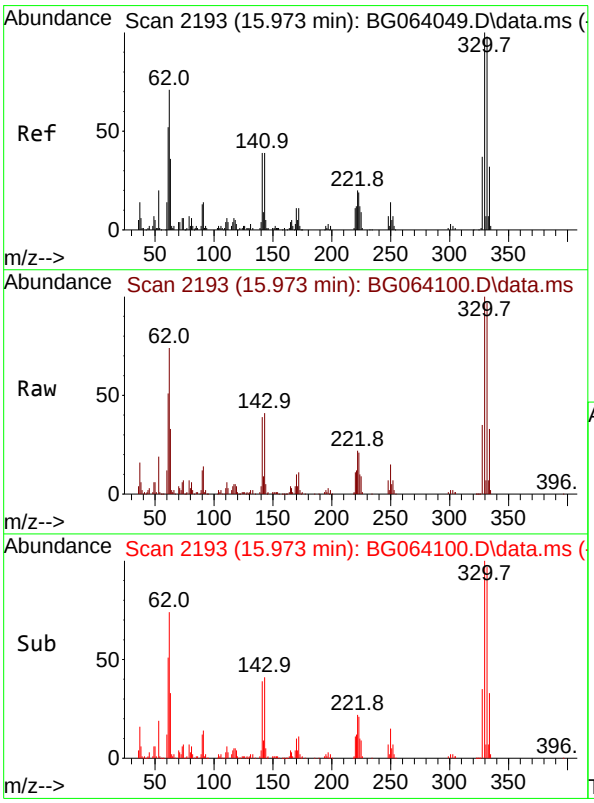
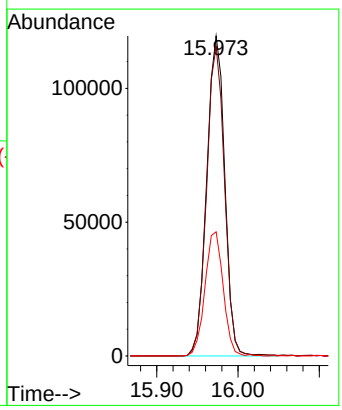


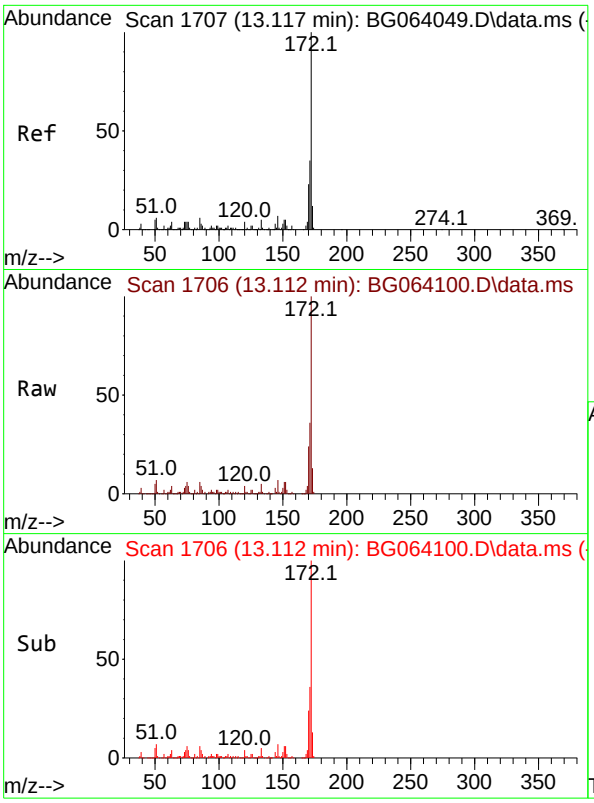


#42
2,4,6-Tribromophenol
Concen: 159.387 ng
RT: 15.973 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

Tgt Ion:330 Resp: 183855

Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.7	115.1
141	39.4	29.7	44.5

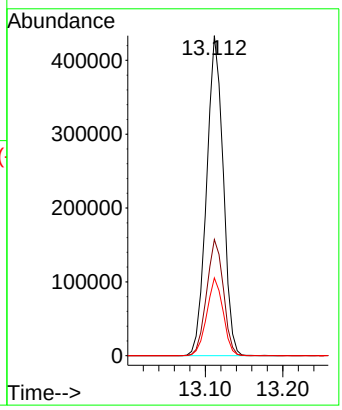




#45
2-Fluorobiphenyl
Concen: 94.245 ng
RT: 13.112 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

Tgt Ion:172 Resp: 64432

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.0	42.0
170	24.3	18.7	28.1



Instrument :
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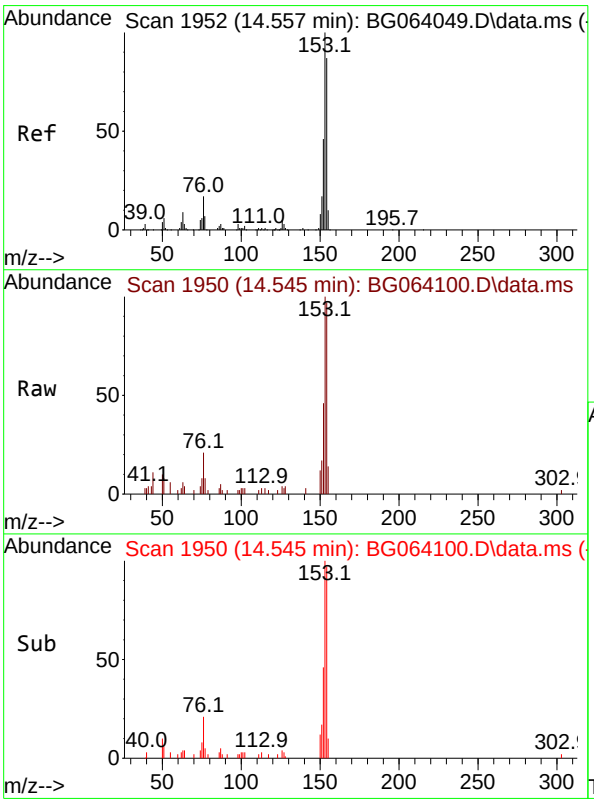
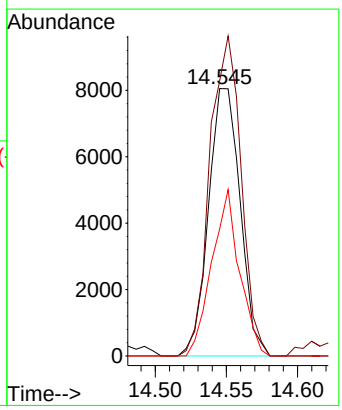
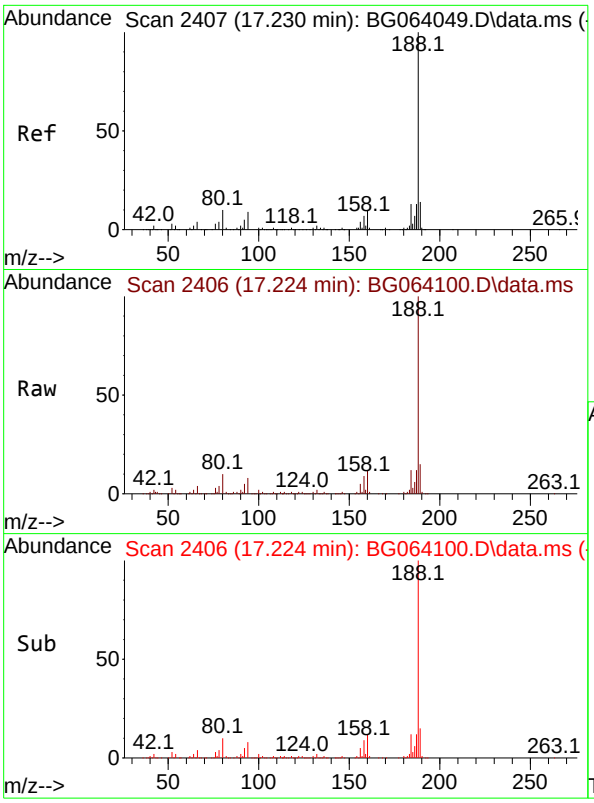


#52
Acenaphthene
Concen: 2.051 ng
RT: 14.545 min Scan# 1950
Delta R.T. -0.012 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

Tgt Ion:154 Resp: 12450

Ion	Ratio	Lower	Upper
154	100		
153	102.9	91.6	137.4
152	47.5	42.5	63.7

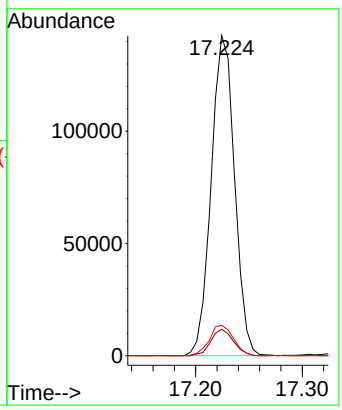




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.224 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

Tgt Ion:188 Resp: 21684

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.9	10.3
80	9.5	8.1	12.1



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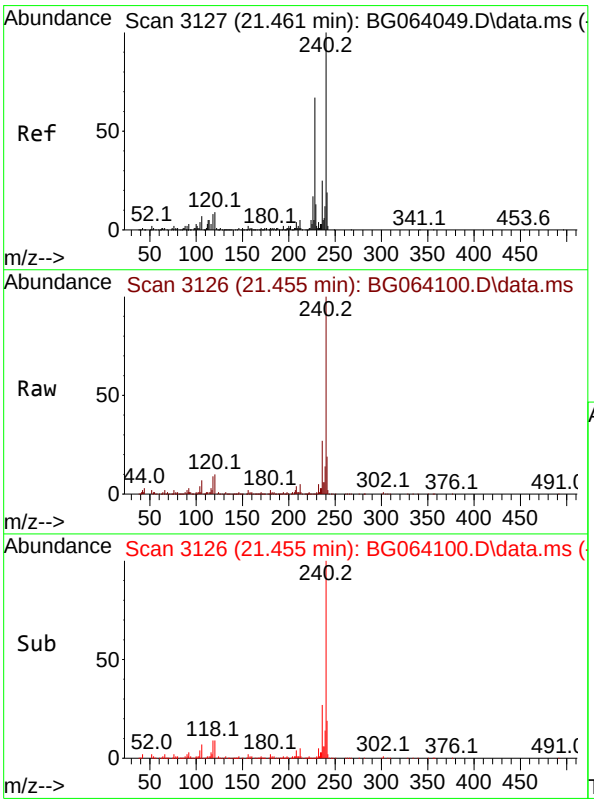
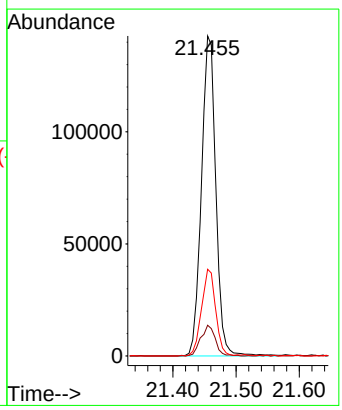
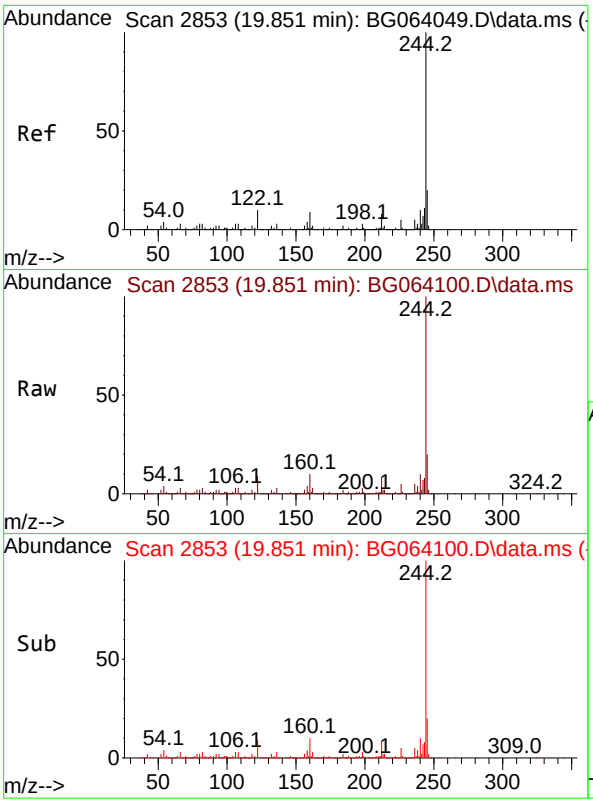


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.455 min Scan# 3126
Delta R.T. -0.006 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

Tgt Ion:240 Resp: 225564

Ion	Ratio	Lower	Upper
240	100		
120	9.6	7.2	10.8
236	27.1	20.2	30.2





#79
Terphenyl-d14
Concen: 97.929 ng
RT: 19.851 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

Tgt Ion:244 Resp: 109245

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.4
122	9.3	8.0	12.0

Instrument :
BNA_G
ClientSampleId :
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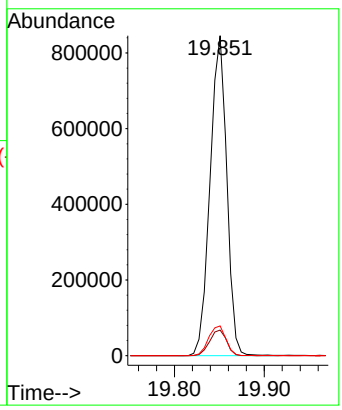

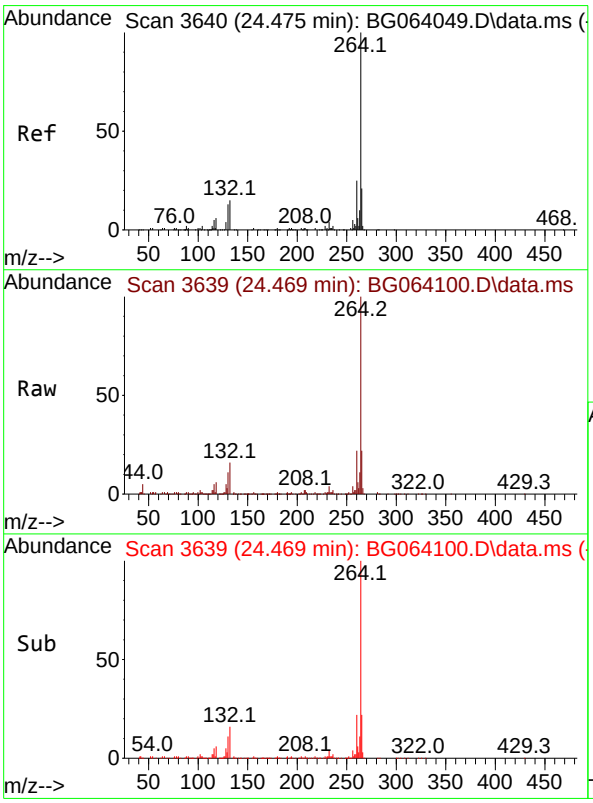

#86
Perylene-d12
Concen: 20.000 ng
RT: 24.469 min Scan# 3639
Delta R.T. -0.006 min
Lab File: BG064100.D
Acq: 11 Mar 2025 17:59

Tgt Ion:264 Resp: 244851

Ion	Ratio	Lower	Upper
264	100		
260	22.2	19.6	29.4
265	21.9	16.6	25.0