Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024882.D
Acq On : 09 Jun 2025 18:16
Operator : RC/JU
Sample : Q2231-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MW-14-20250604

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

Quant Time: Jun 09 18:35:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	349461	20.000	ng	0.00
21) Naphthalene-d8	10.384	136	1376663	20.000	ng	0.00
39) Acenaphthene-d10	14.243	164	905272	20.000	ng	0.00
64) Phenanthrene-d10	17.048	188	1818071	20.000	ng	-0.01
76) Chrysene-d12	21.466	240	1856594	20.000	ng	-0.02
86) Perylene-d12	24.707	264	1819039	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	1549199	73.998	ng	0.00
7) Phenol-d6	6.813	99	1236737	44.647	ng	0.00
23) Nitrobenzene-d5	8.766	82	2469553	87.170	ng	0.00
42) 2,4,6-Tribromophenol	15.766	330	2139792	170.966	ng	-0.02
45) 2-Fluorobiphenyl	12.854	172	5430881	80.816	ng	0.00
79) Terphenyl-d14	19.772	244	10294543	99.378	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.425	128	39334061m	557.544	ng	
37) 2-Methylnaphthalene	12.054	142	13464061	300.868	ng	97
38) 1-Methylnaphthalene	12.278	142	16530937	345.521	ng	96
46) 1,1'-Biphenyl	13.060	154	1164385	17.699	ng	99
52) Acenaphthene	14.307	154	4504868	93.247	ng	99
58) Fluorene	15.307	166	1909785	30.486	ng	99
71) Phenanthrene	17.095	178	4939966	49.169	ng	99
72) Anthracene	17.184	178	928421	9.124	ng	100
75) Fluoranthene	19.172	202	316872	2.721	ng	99
78) Pyrene	19.554	202	623310	5.374	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
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Misc :
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QLast Update : Fri Jun 06 16:20:27 2025
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Instrument :
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ClientSampleId :
MW-14-20250604

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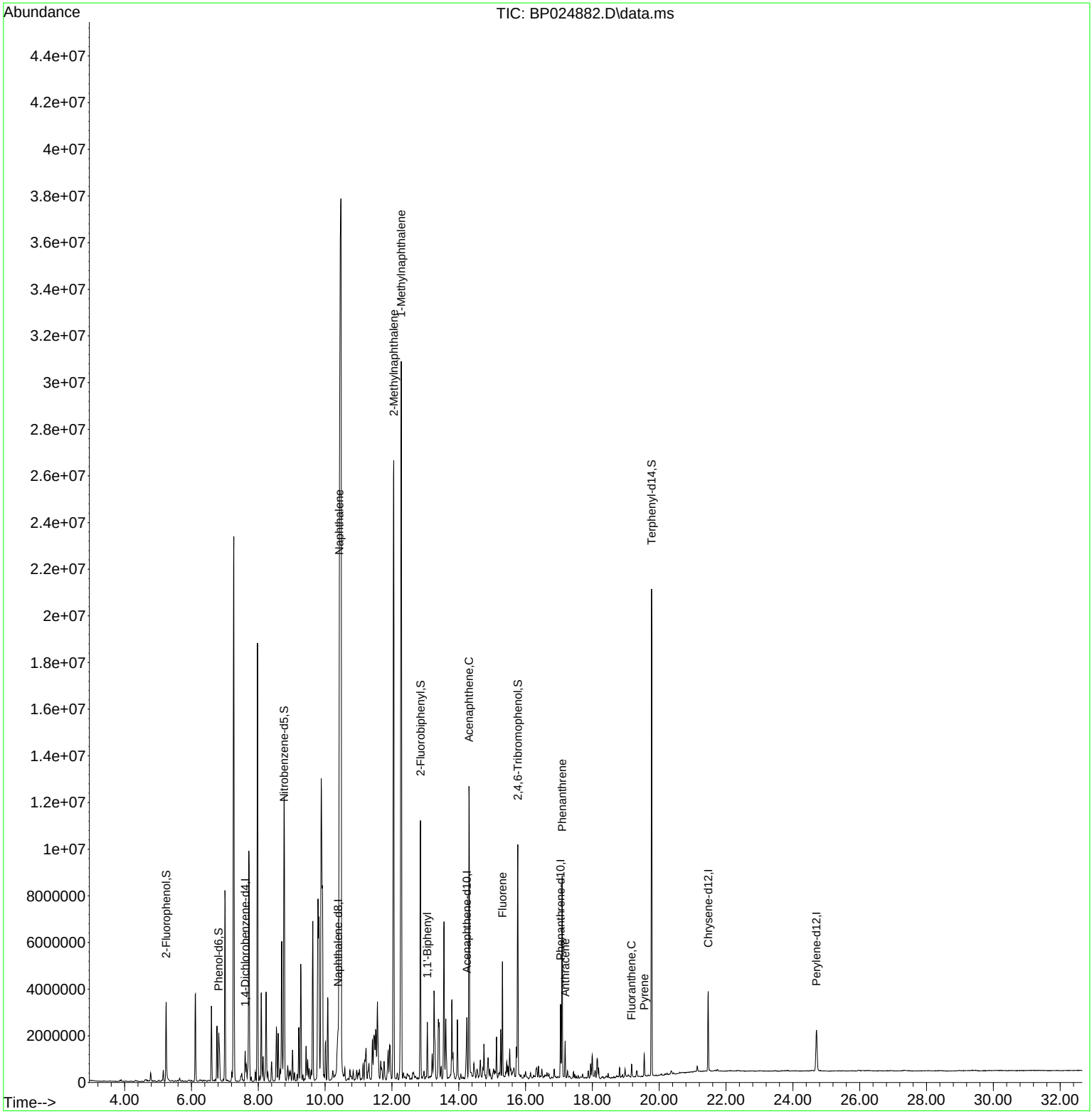
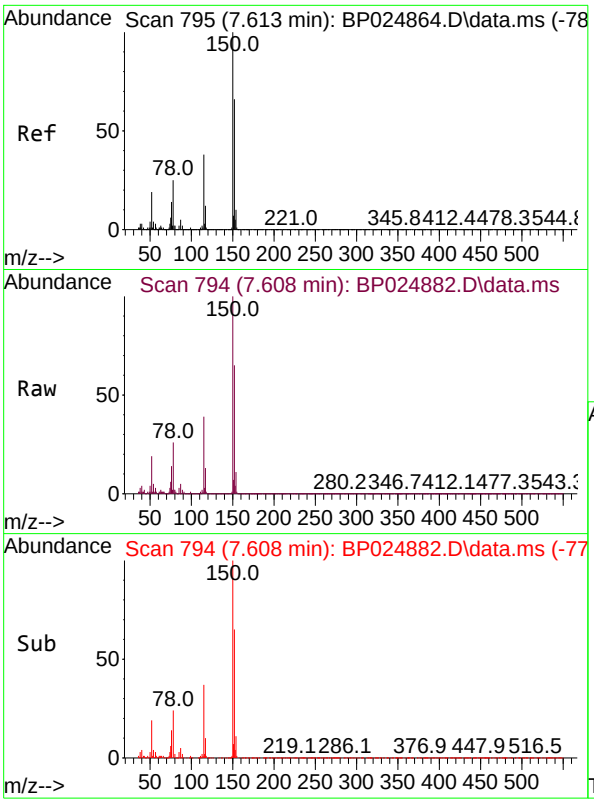
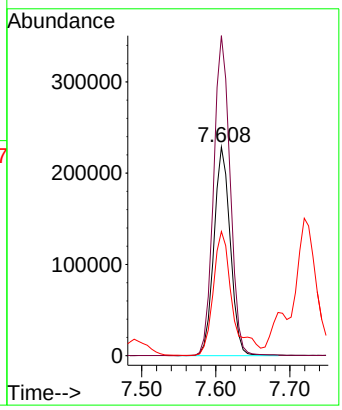




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 79
Delta R.T. -0.005 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion:152 Resp: 349461

Ion	Ratio	Lower	Upper
152	100		
150	153.4	122.1	183.1
115	59.5	46.4	69.6



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BNA_P
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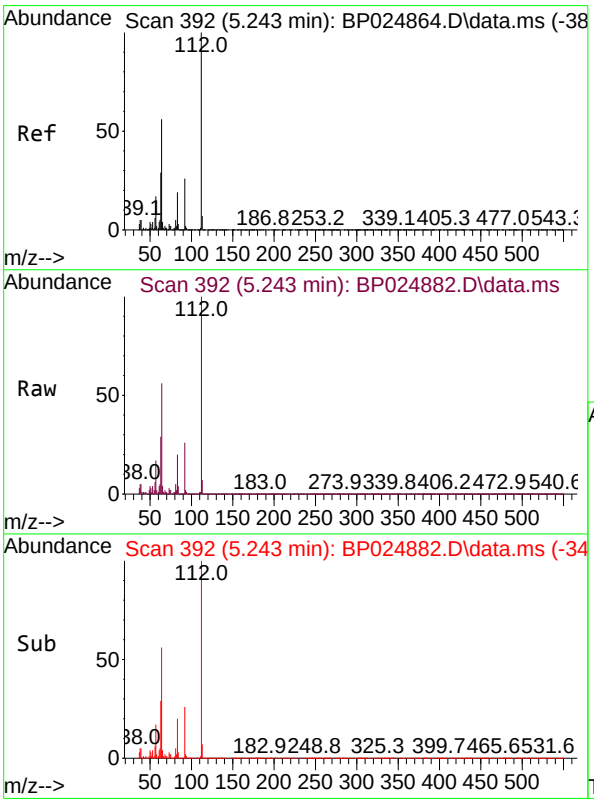
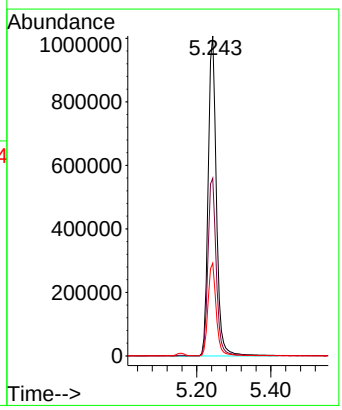
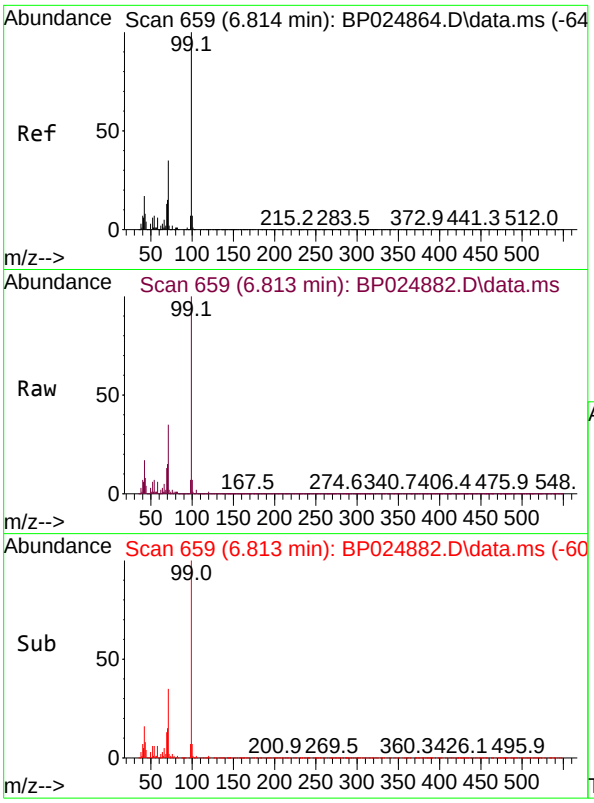


#5
2-Fluorophenol
Concen: 73.998 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion:112 Resp: 1549199

Ion	Ratio	Lower	Upper
112	100		
64	55.5	44.7	67.1
63	29.0	23.5	35.3

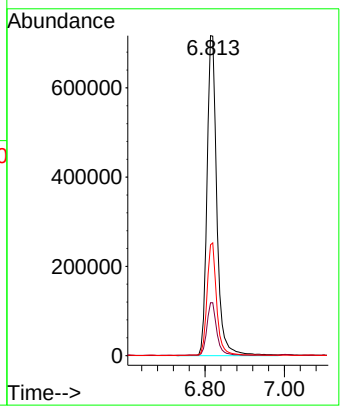




#7
Phenol-d6
Concen: 44.647 ng
RT: 6.813 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion: 99 Resp: 123673

Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.4	20.2
71	34.6	27.6	41.4



Instrument :
BNA_P
ClientSampleId :
MW-14-20250604

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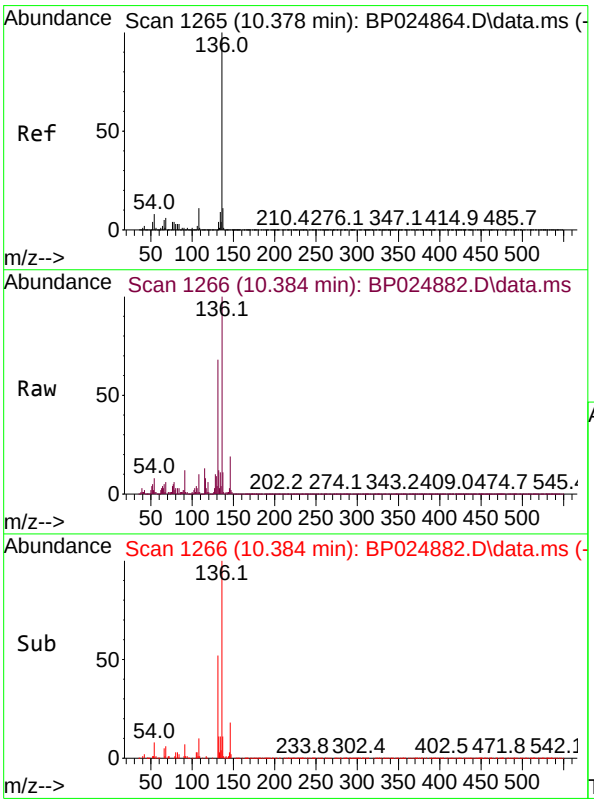
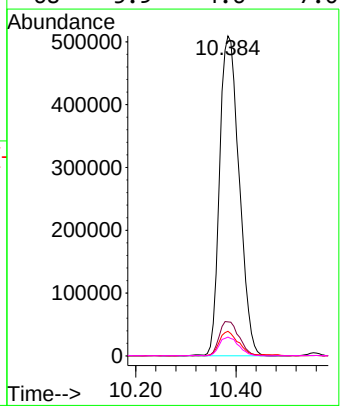
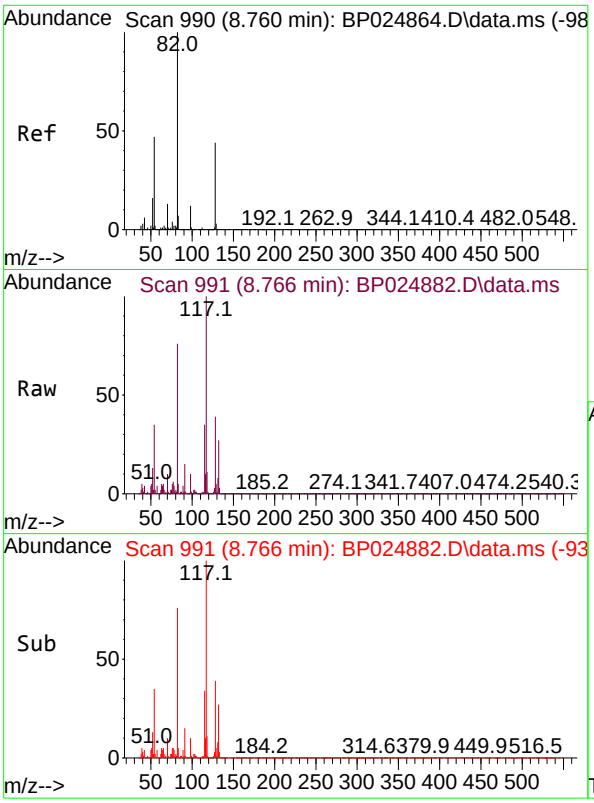


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.384 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion:136 Resp: 1376663

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.7	6.1	9.1
68	5.9	4.6	7.0





#23
Nitrobenzene-d5
Concen: 87.170 ng
RT: 8.766 min Scan# 99
Delta R.T. 0.006 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion: 82 Resp: 246955

Ion	Ratio	Lower	Upper
82	100		
128	50.6	35.3	52.9
54	46.3	37.4	56.0

Instrument :
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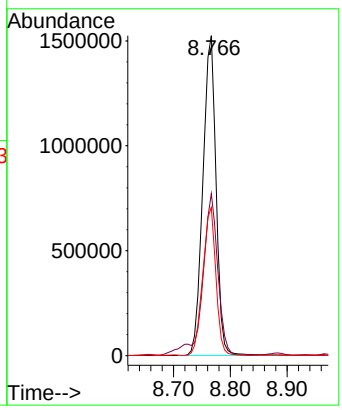
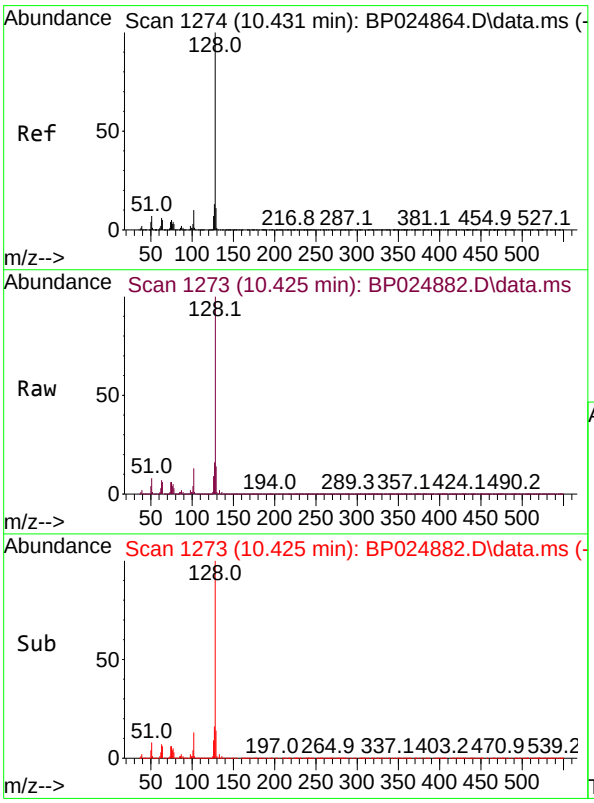
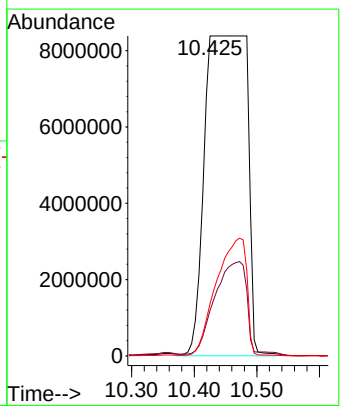


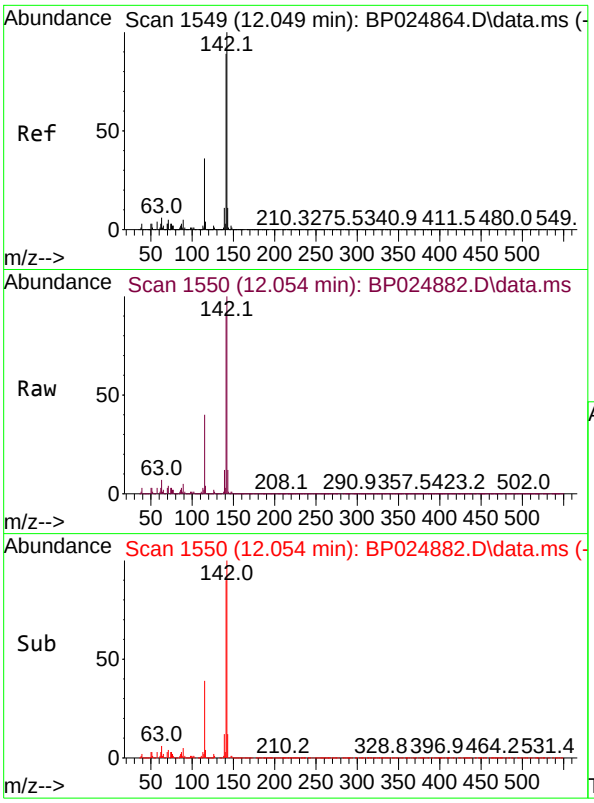


#31
Naphthalene
Concen: 557.544 ng m
RT: 10.425 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion:128 Resp:39334061

Ion	Ratio	Lower	Upper
128	100		
129	14.2	8.7	13.1#
127	16.3	10.7	16.1#

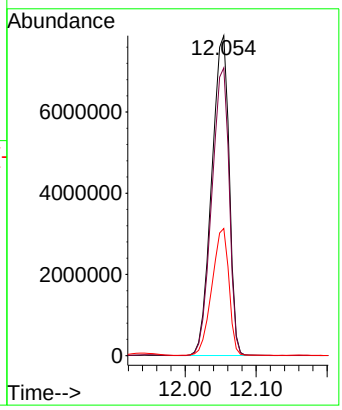




#37
2-Methylnaphthalene
Concen: 300.868 ng
RT: 12.054 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion:142 Resp:1346406

Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.2	106.8
115	39.7	28.5	42.7



Instrument :
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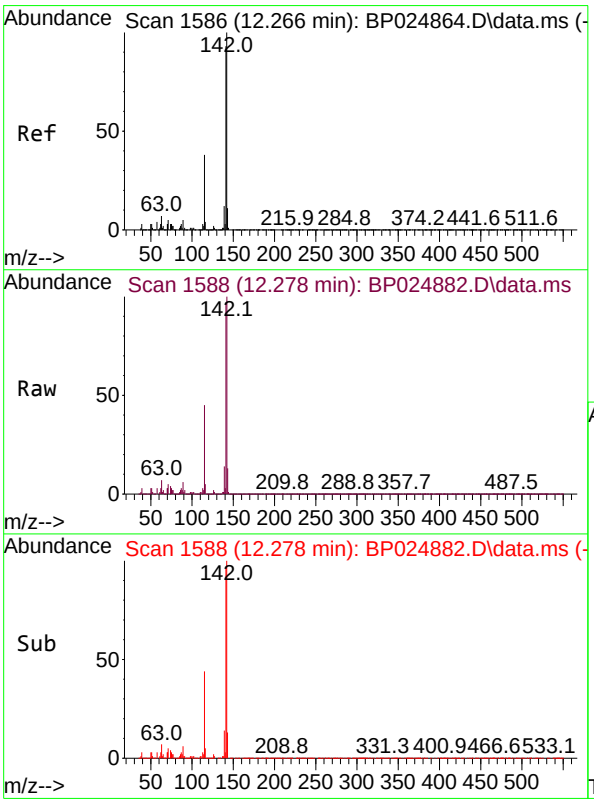
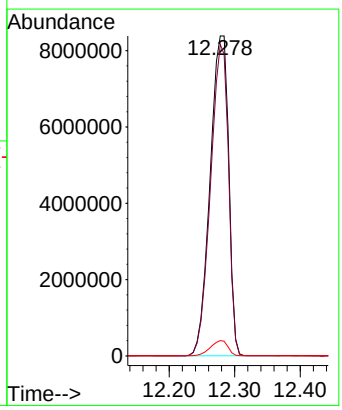
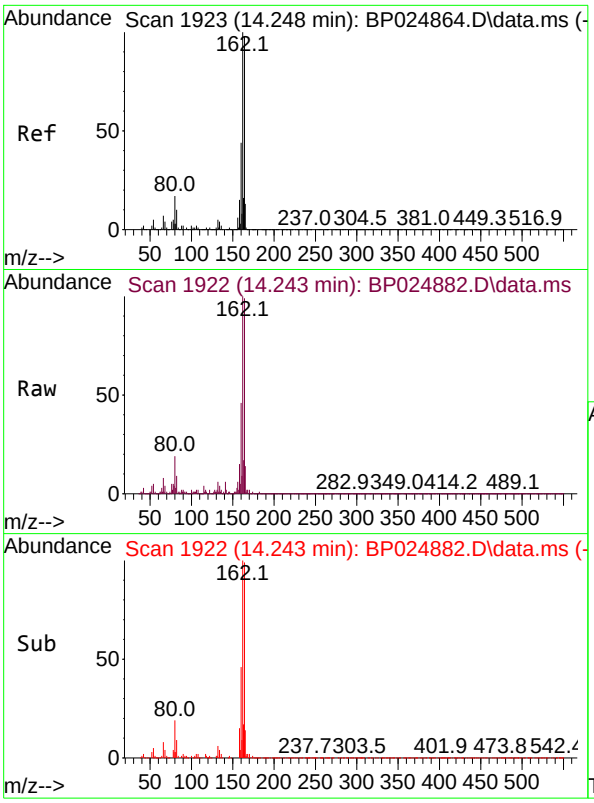


#38
1-Methylnaphthalene
Concen: 345.521 ng
RT: 12.278 min Scan# 1588
Delta R.T. 0.012 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion:142 Resp:16530937

Ion	Ratio	Lower	Upper
142	100		
141	97.4	74.7	112.1
116	4.8	3.4	5.0

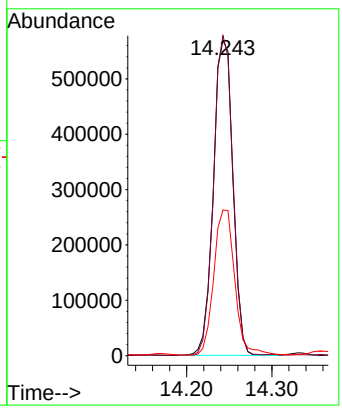




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.243 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion:164 Resp: 90527

Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.6	122.4
160	46.2	36.2	54.2



Instrument :
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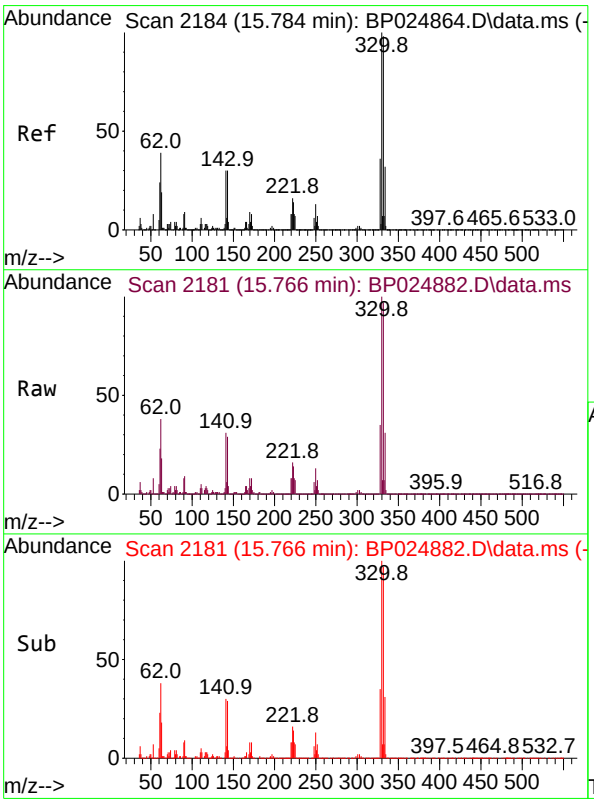
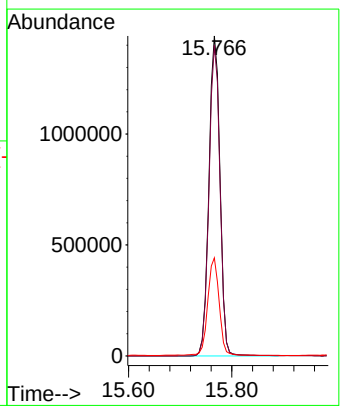
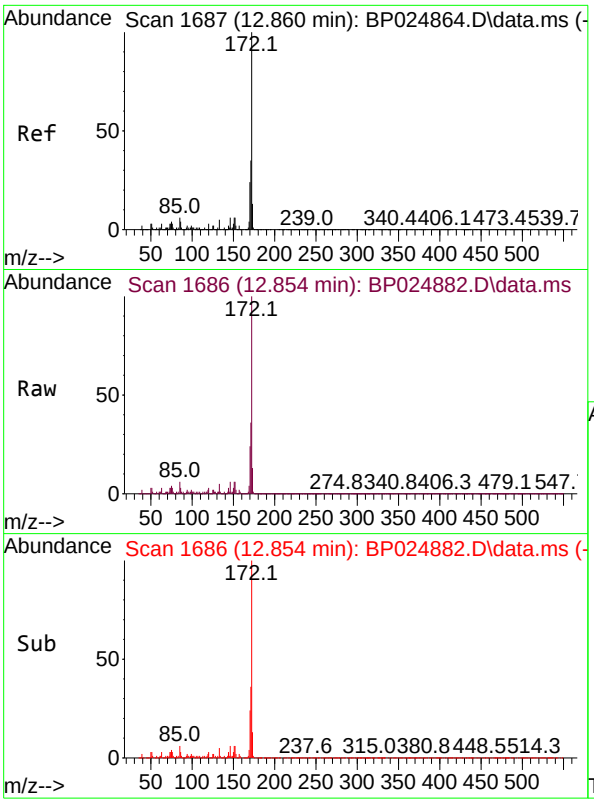


#42
2,4,6-Tribromophenol
Concen: 170.966 ng
RT: 15.766 min Scan# 2181
Delta R.T. -0.018 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion:330 Resp: 2139792

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.7	116.5
141	31.7	26.4	39.6

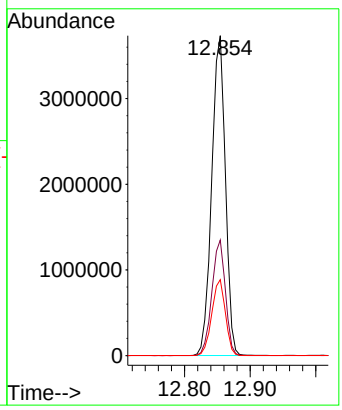




#45
2-Fluorobiphenyl
Concen: 80.816 ng
RT: 12.854 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion:172 Resp: 543088

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.3	42.5
170	23.7	19.0	28.4



Instrument :
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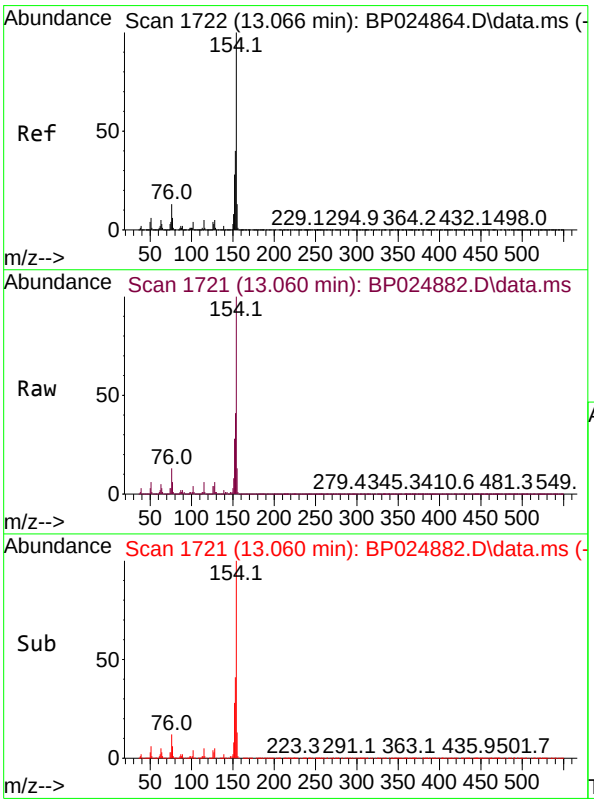
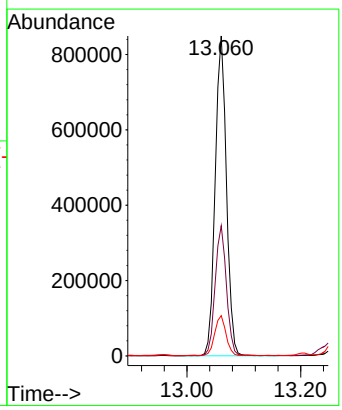
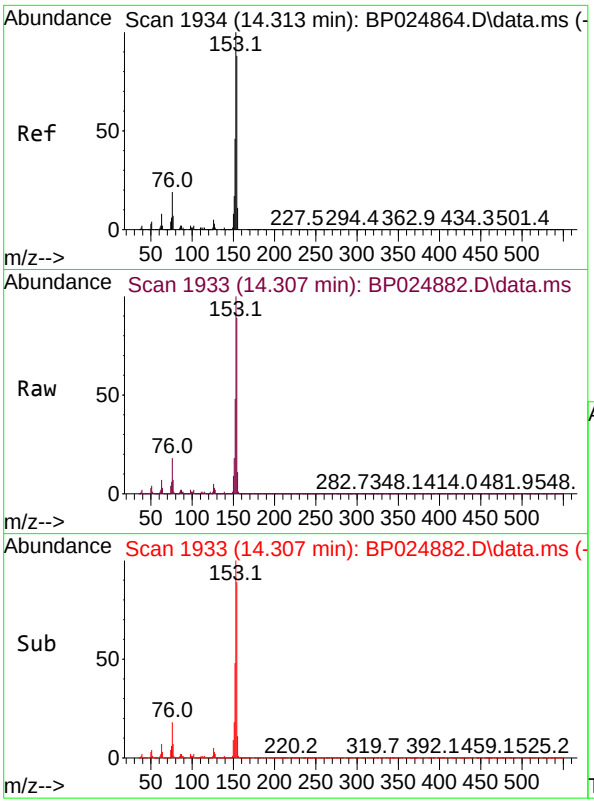


#46
1,1'-Biphenyl
Concen: 17.699 ng
RT: 13.060 min Scan# 1721
Delta R.T. -0.006 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion:154 Resp: 1164385

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.3	60.3
76	12.6	0.0	33.0





#52
Acenaphthene
Concen: 93.247 ng
RT: 14.307 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion:154 Resp: 450486

Ion	Ratio	Lower	Upper
154	100		
153	111.9	90.5	135.7
152	53.3	42.1	63.1

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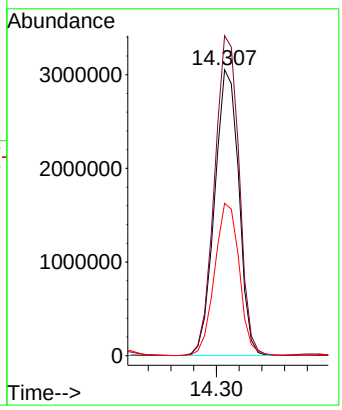
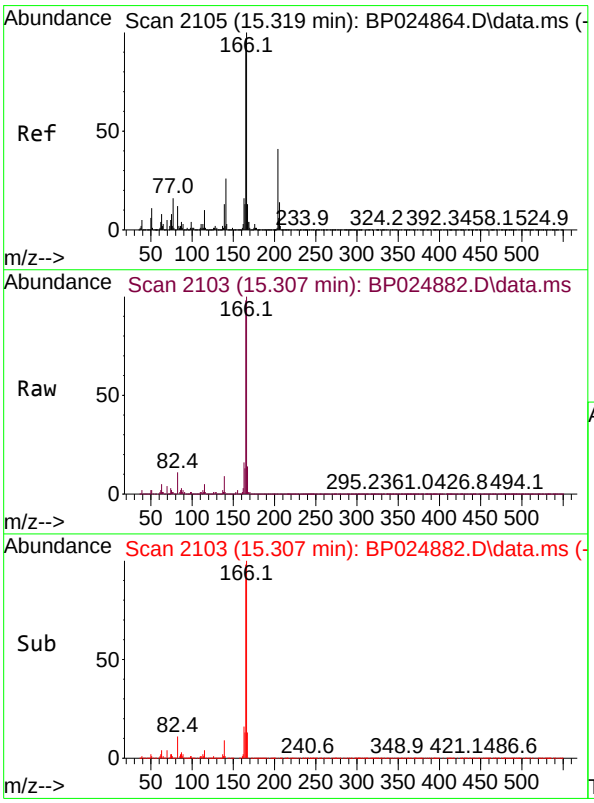
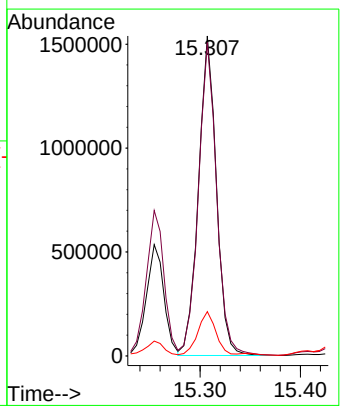


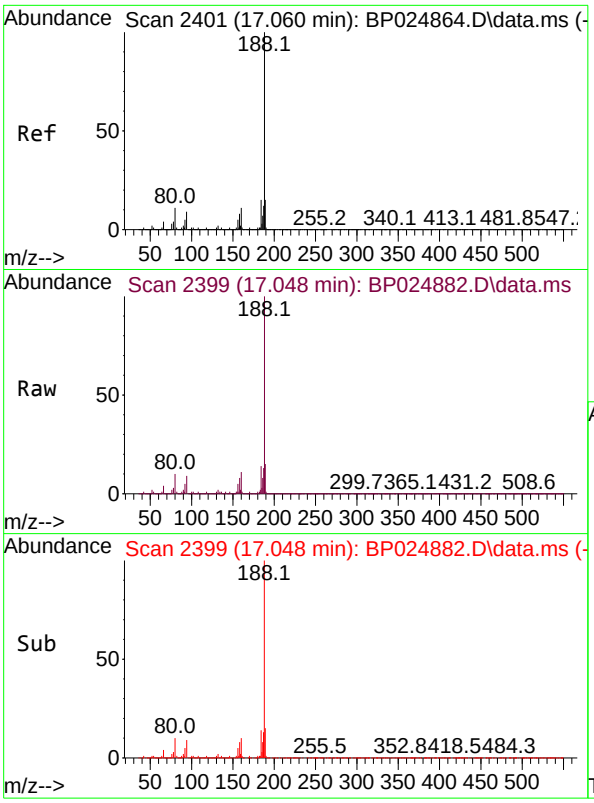


#58
Fluorene
Concen: 30.486 ng
RT: 15.307 min Scan# 2103
Delta R.T. -0.012 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion:166 Resp: 1909785

Ion	Ratio	Lower	Upper
166	100		
165	97.9	77.7	116.5
167	13.8	10.6	16.0

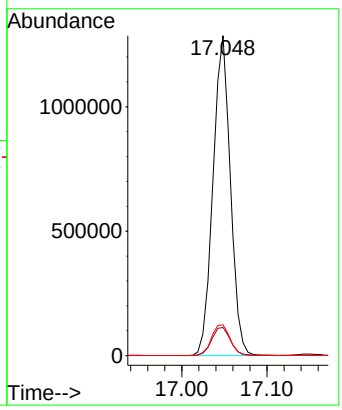




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.048 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion:188 Resp: 181807

Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.3	10.9
80	9.6	8.5	12.7



Instrument :
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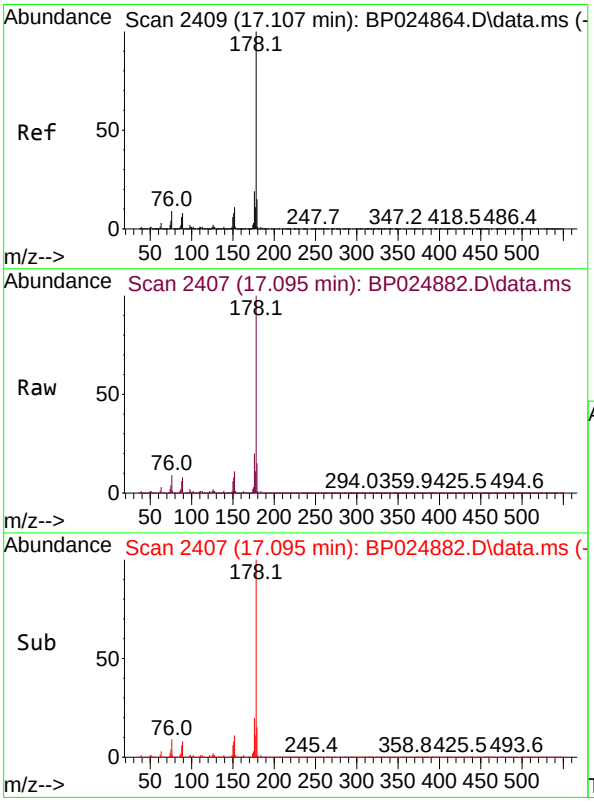
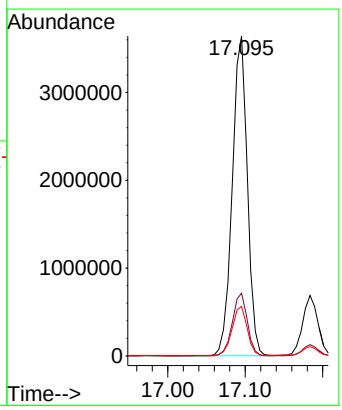
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

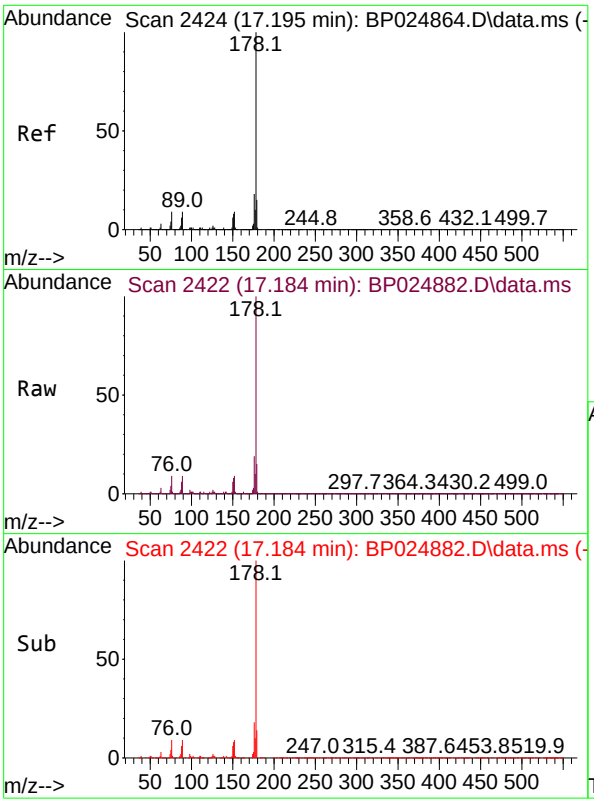


#71
Phenanthrene
Concen: 49.169 ng
RT: 17.095 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion:178 Resp: 4939966

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	15.5	12.1	18.1

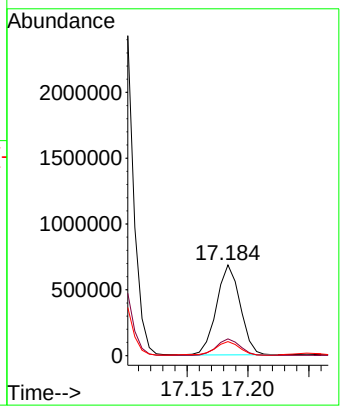




#72
Anthracene
Concen: 9.124 ng
RT: 17.184 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion:178 Resp: 92842

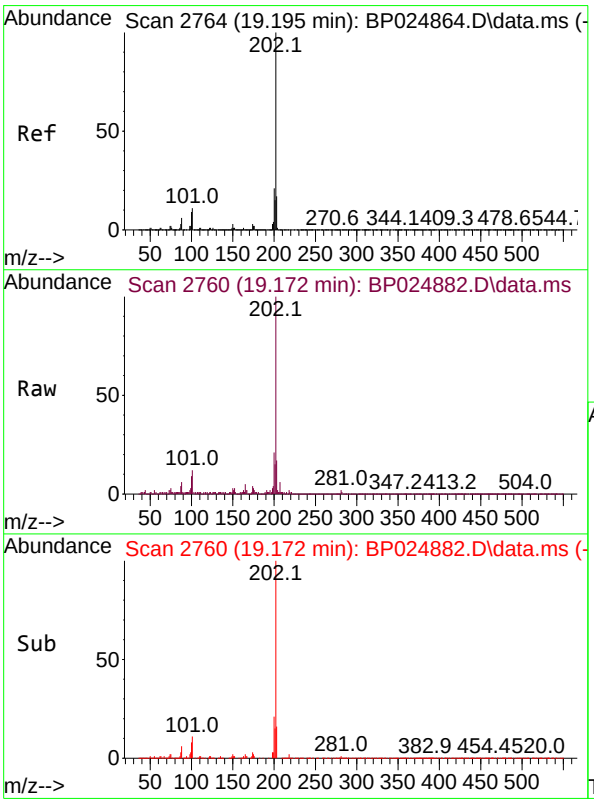
Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.4	12.3	18.5



Instrument :
BNA_P
ClientSampleId :
MW-14-20250604

Manual Integrations
APPROVED

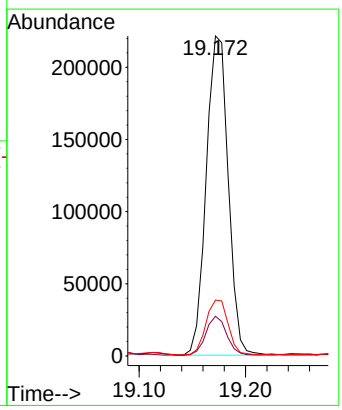
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

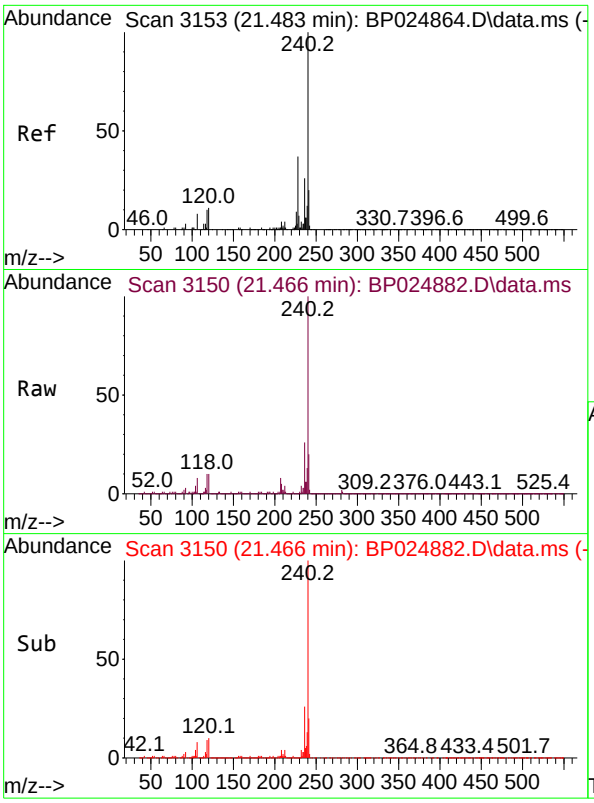


#75
Fluoranthene
Concen: 2.721 ng
RT: 19.172 min Scan# 2760
Delta R.T. -0.024 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion:202 Resp: 316872

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.4
203	17.4	0.0	37.5

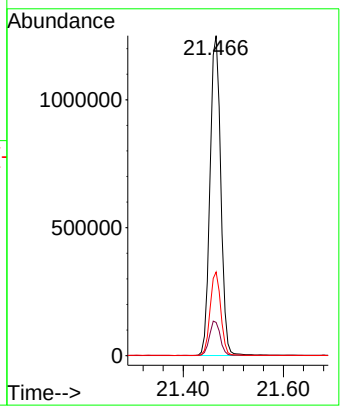




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.466 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion:240 Resp: 185659

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.9	13.3
236	26.1	20.9	31.3



Instrument :
BNA_P
ClientSampleId :
MW-14-20250604

Manual Integrations
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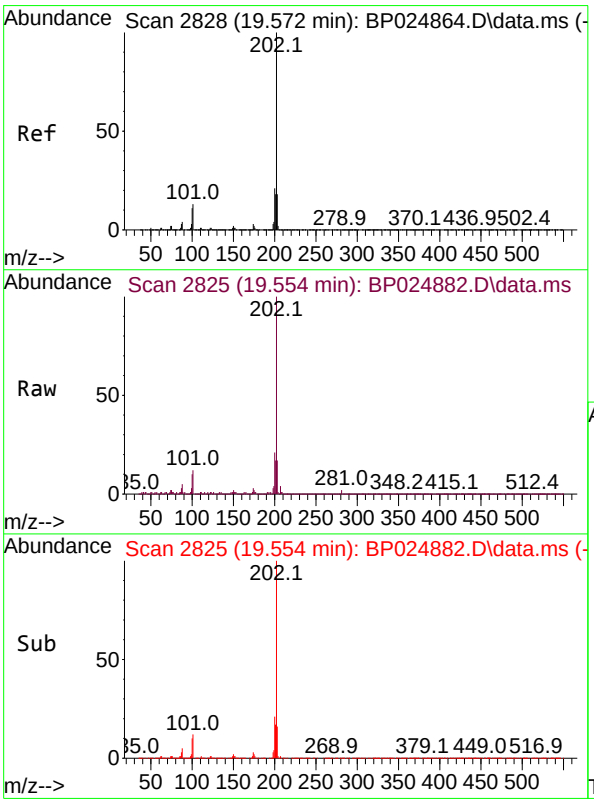
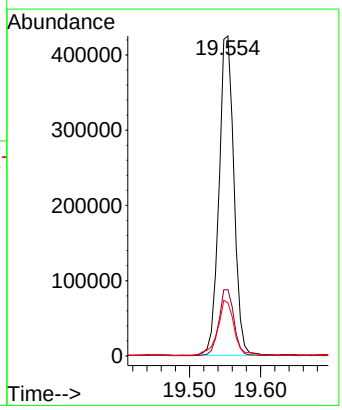
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

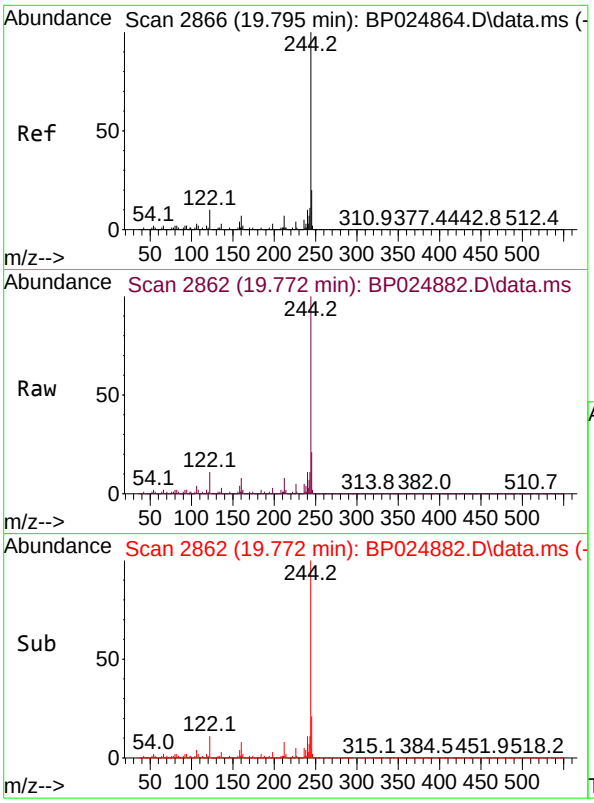


#78
Pyrene
Concen: 5.374 ng
RT: 19.554 min Scan# 2825
Delta R.T. -0.018 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion:202 Resp: 623310

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.1	25.7
203	16.6	14.0	21.0





#79
Terphenyl-d14
Concen: 99.378 ng
RT: 19.772 min Scan# 28
Delta R.T. -0.024 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

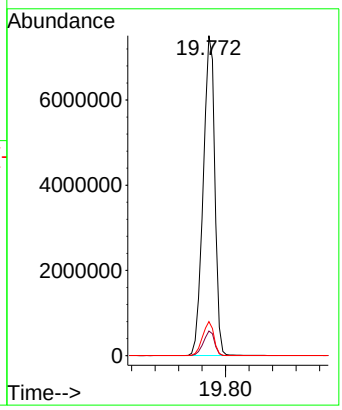
Tgt Ion:244 Resp:1029454

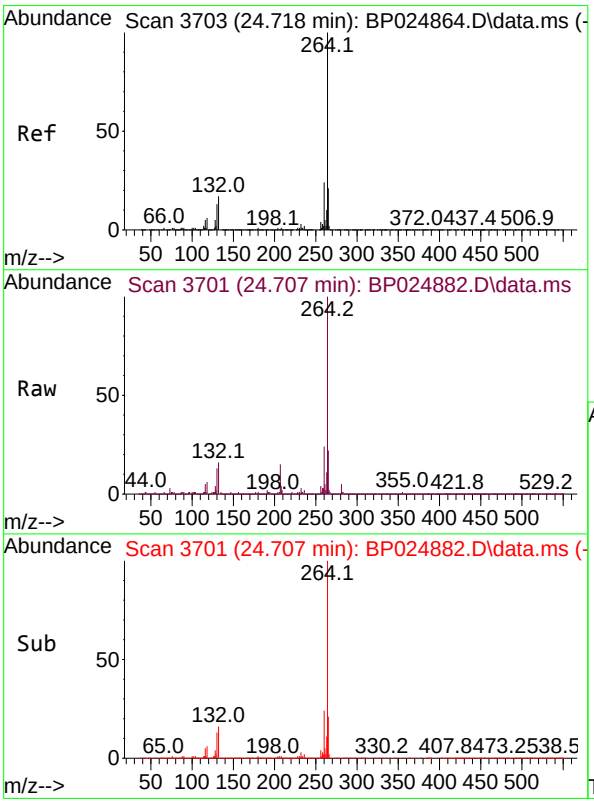
Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.6	8.4
122	10.6	7.7	11.5

Instrument :
BNA_P
ClientSampleId :
MW-14-20250604

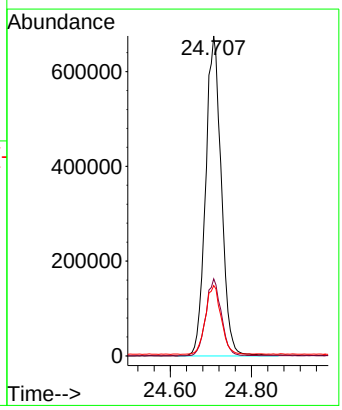
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.707 min Scan# 3701
Delta R.T. -0.012 min
Lab File: BP024882.D
Acq: 09 Jun 2025 18:16

Tgt Ion:264 Resp: 1819039

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.4
265	22.0	17.4	26.0