Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
Data File : BP024778.D
Acq On : 23 May 2025 04:34
Operator : RC/JU
Sample : Q2079-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: May 23 05:08:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.652	152	99675	20.000	ng	-0.01
21) Naphthalene-d8	10.428	136	390043	20.000	ng	# 0.00
39) Acenaphthene-d10	14.281	164	257801	20.000	ng	-0.02
64) Phenanthrene-d10	17.086	188	526590	20.000	ng	-0.01
76) Chrysene-d12	21.516	240	612977	20.000	ng	0.00
86) Perylene-d12	24.815	264	741957	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	733234	125.819	ng	0.00
7) Phenol-d6	6.852	99	790028	106.219	ng	0.00
23) Nitrobenzene-d5	8.804	82	581884	75.378	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	720565	164.871	ng	0.00
45) 2-Fluorobiphenyl	12.892	172	1540280	78.276	ng	-0.01
79) Terphenyl-d14	19.804	244	3305107	92.454	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.481	128	7526927	372.392	ng	99
37) 2-Methylnaphthalene	12.081	142	936280	71.539	ng	99
38) 1-Methylnaphthalene	12.310	142	754038	53.846	ng	100
46) 1,1'-Biphenyl	13.104	154	141795	7.442	ng	98
52) Acenaphthene	14.345	154	411411	29.434	ng	100
58) Fluorene	15.351	166	165759	9.118	ng	100
71) Phenanthrene	17.128	178	324953	11.100	ng	99

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052225\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
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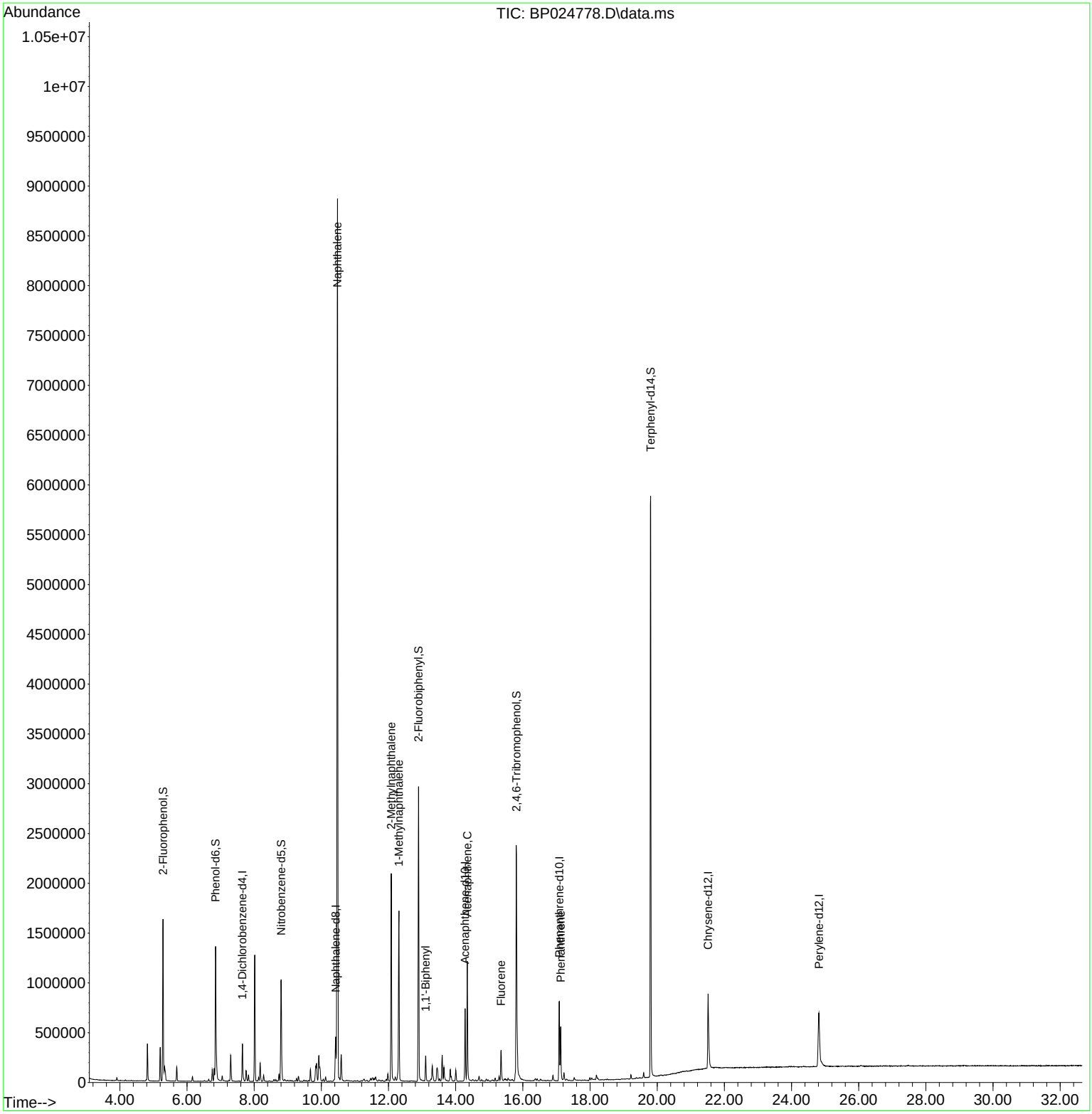
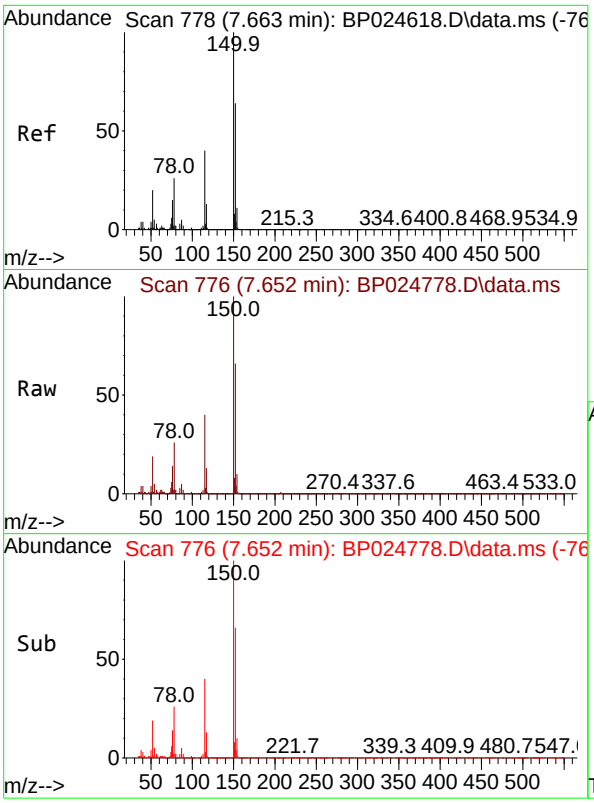


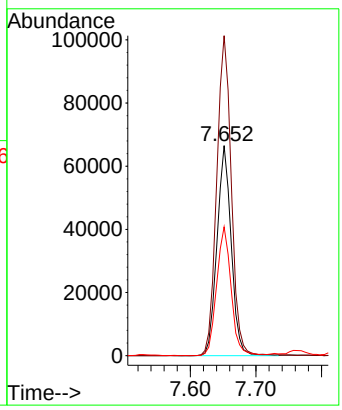


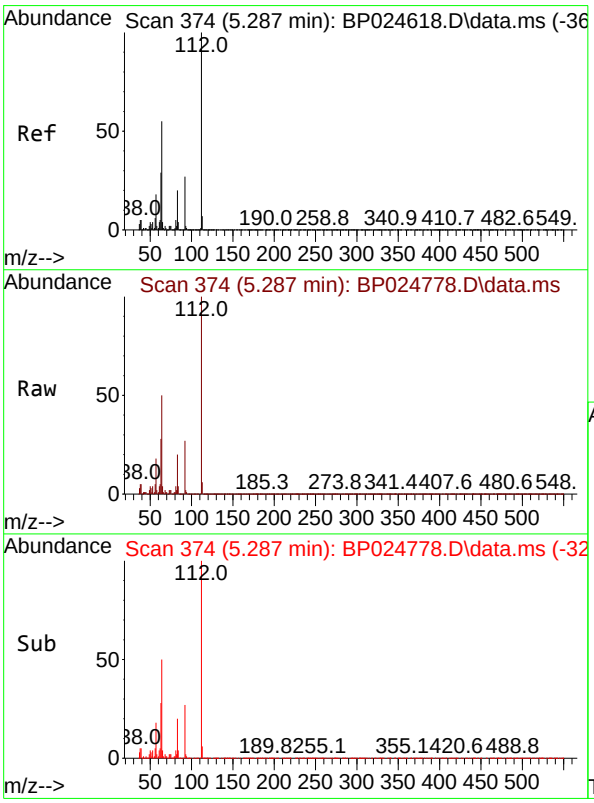
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.652 min Scan# 7
Delta R.T. -0.011 min
Lab File: BP024778.D
Acq: 23 May 2025 04:34

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

Tgt Ion:152 Resp: 99675

Ion	Ratio	Lower	Upper
152	100		
150	152.3	125.9	188.9
115	61.3	50.1	75.1

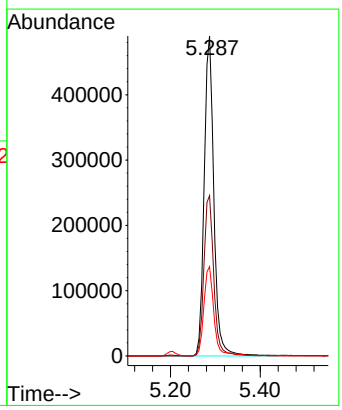


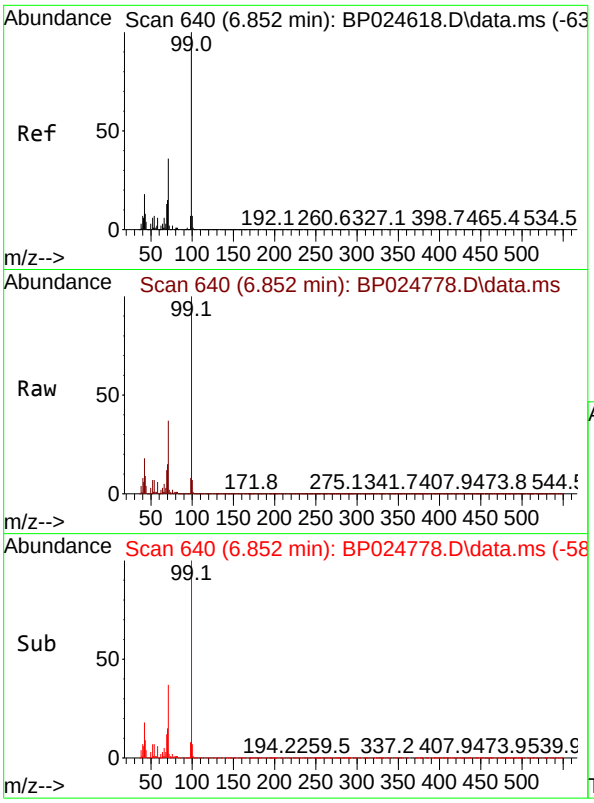


#5
2-Fluorophenol
Concen: 125.819 ng
RT: 5.287 min Scan# 374
Delta R.T. -0.000 min
Lab File: BP024778.D
Acq: 23 May 2025 04:34

Tgt Ion:112 Resp: 733234

Ion	Ratio	Lower	Upper
112	100		
64	50.1	44.1	66.1
63	27.9	23.5	35.3



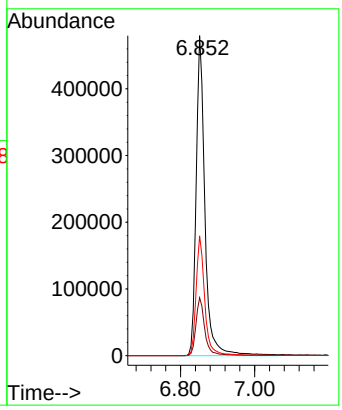


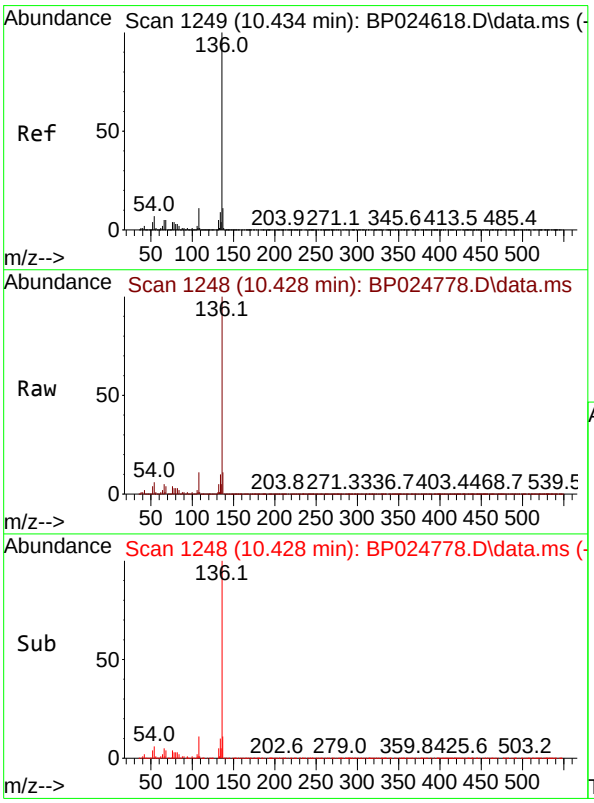
#7
Phenol-d6
Concen: 106.219 ng
RT: 6.852 min Scan# 64
Delta R.T. -0.000 min
Lab File: BP024778.D
Acq: 23 May 2025 04:34

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

Tgt Ion: 99 Resp: 790028

Ion	Ratio	Lower	Upper
99	100		
42	18.1	14.4	21.6
71	37.5	29.2	43.8

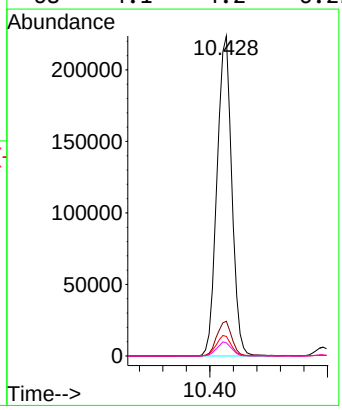


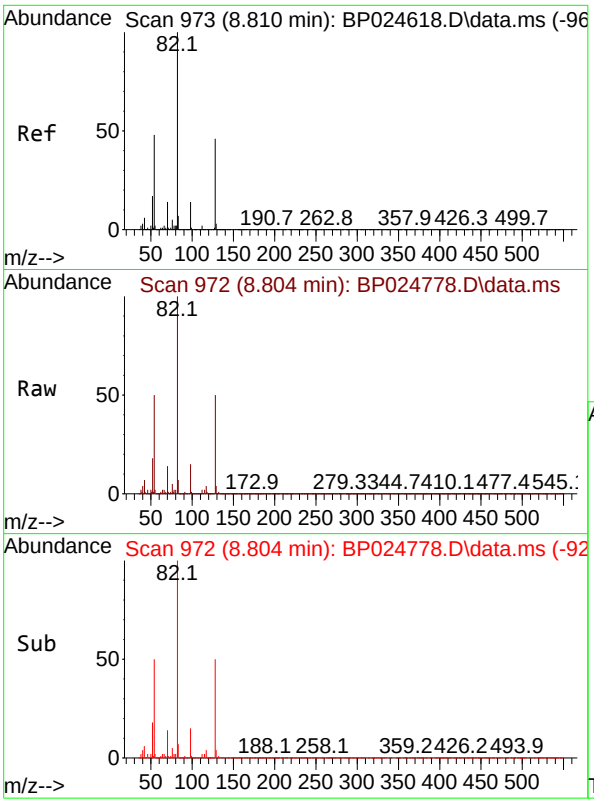


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024778.D
Acq: 23 May 2025 04:34

Tgt Ion:136 Resp: 390043

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.1	5.5	8.3
68	4.1	4.2	6.2#



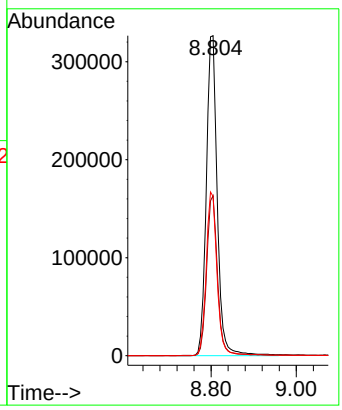


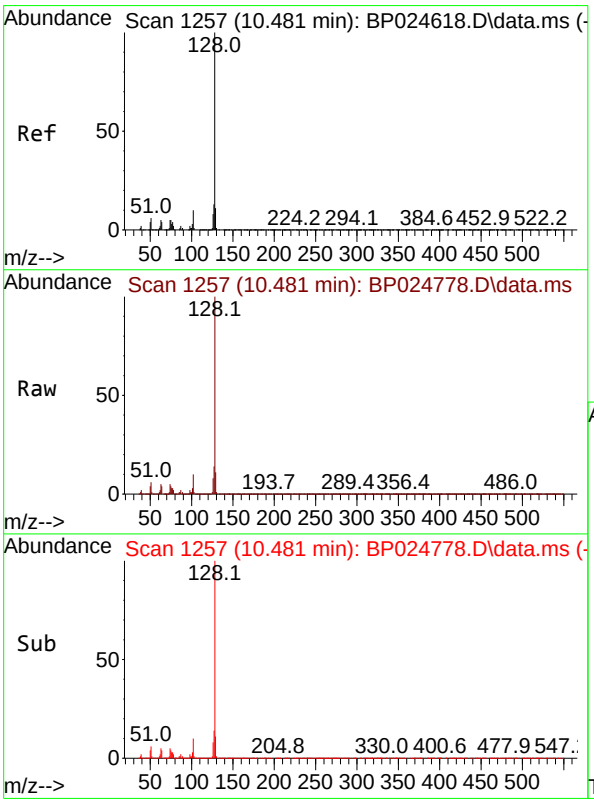
#23
Nitrobenzene-d5
Concen: 75.378 ng
RT: 8.804 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024778.D
Acq: 23 May 2025 04:34

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

Tgt Ion: 82 Resp: 581884

Ion	Ratio	Lower	Upper
82	100		
128	50.0	37.0	55.4
54	49.8	38.7	58.1

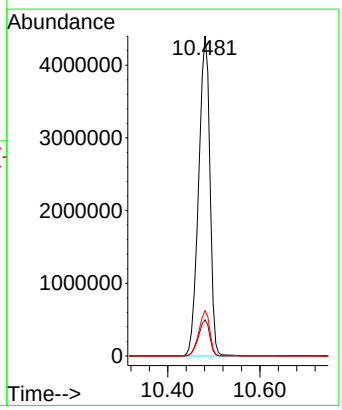


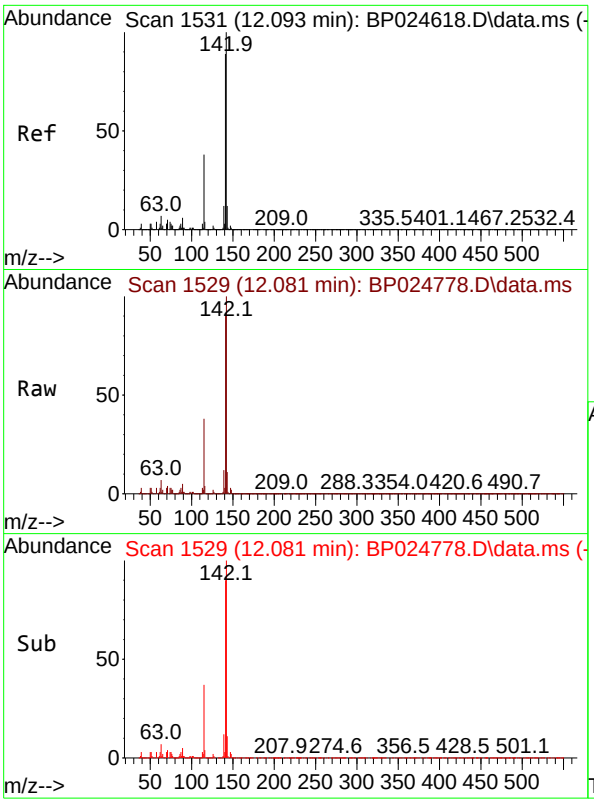


#31
Naphthalene
Concen: 372.392 ng
RT: 10.481 min Scan# 1257
Delta R.T. -0.000 min
Lab File: BP024778.D
Acq: 23 May 2025 04:34

Tgt Ion:128 Resp: 7526927

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	14.1	10.7	16.1



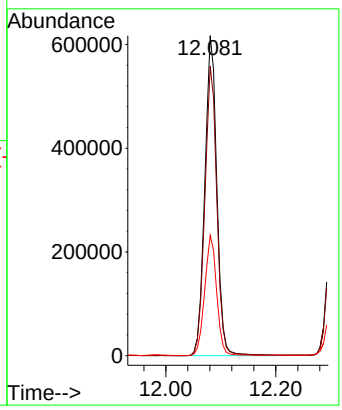


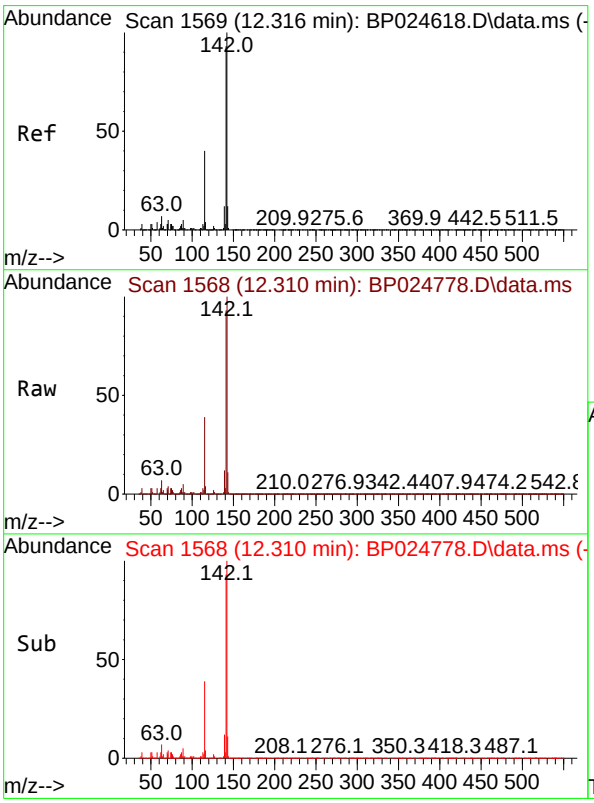
#37
2-Methylnaphthalene
Concen: 71.539 ng
RT: 12.081 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024778.D
Acq: 23 May 2025 04:34

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

Tgt Ion:142 Resp: 936280

Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.2	106.8
115	37.5	30.6	46.0

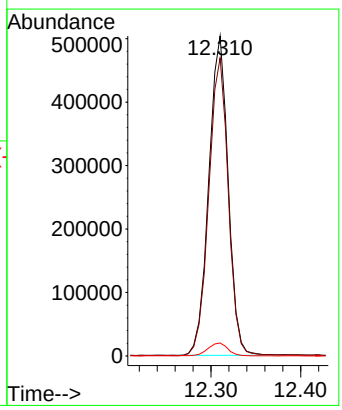


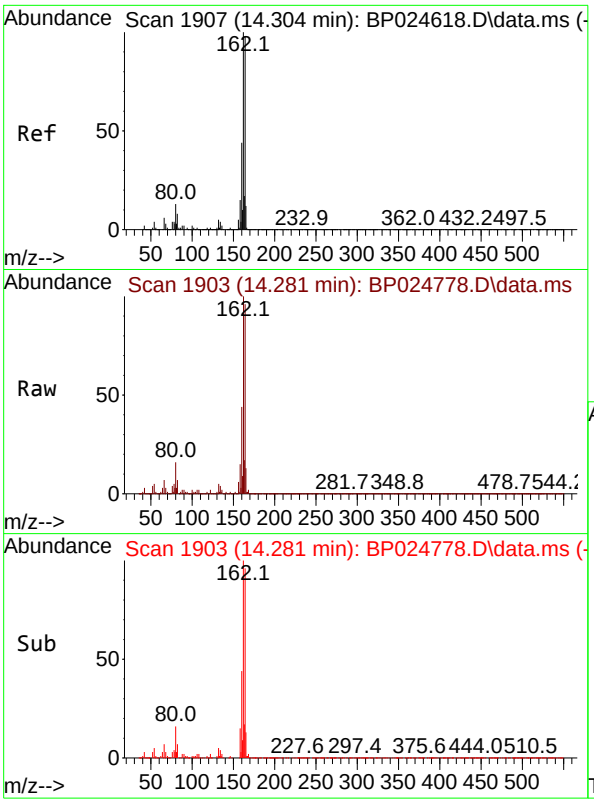


#38
1-Methylnaphthalene
Concen: 53.846 ng
RT: 12.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BP024778.D
Acq: 23 May 2025 04:34

Tgt Ion:142 Resp: 754038

Ion	Ratio	Lower	Upper
142	100		
141	93.1	74.7	112.1
116	4.0	3.4	5.2



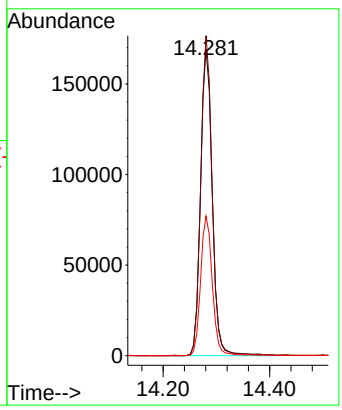


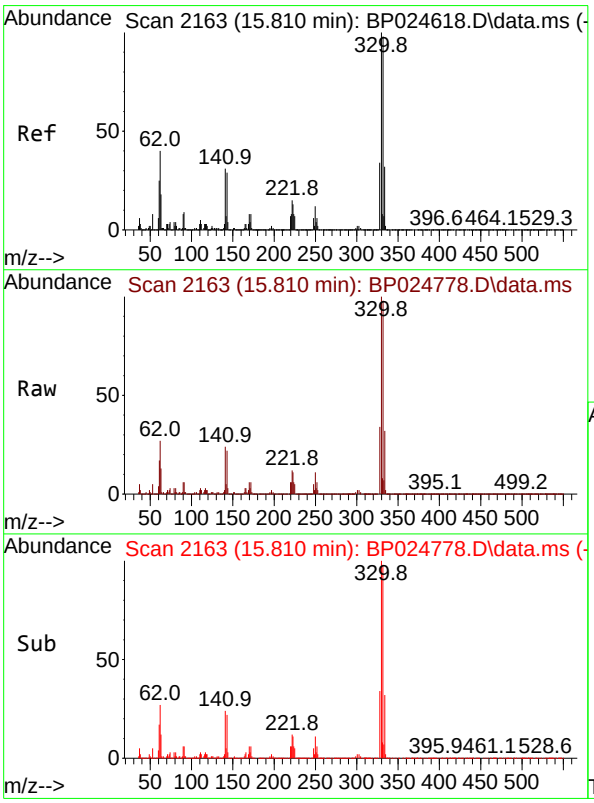
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.281 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024778.D
Acq: 23 May 2025 04:34

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

Tgt Ion:164 Resp: 257801

Ion	Ratio	Lower	Upper
164	100		
162	104.3	81.8	122.6
160	45.5	36.3	54.5

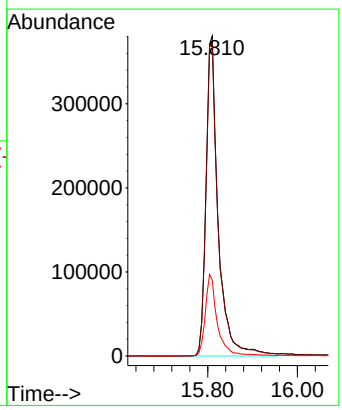


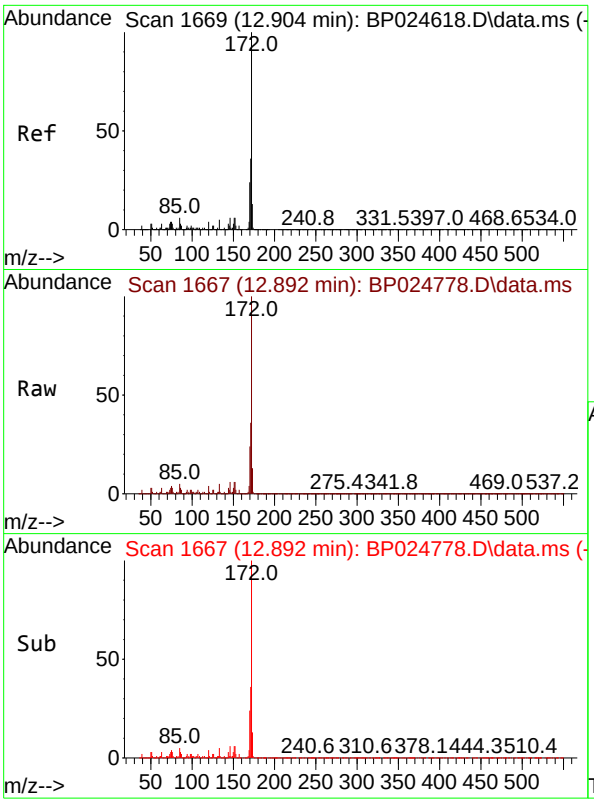


#42
2,4,6-Tribromophenol
Concen: 164.871 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.000 min
Lab File: BP024778.D
Acq: 23 May 2025 04:34

Tgt Ion:330 Resp: 720565

Ion	Ratio	Lower	Upper
330	100		
332	97.7	78.2	117.4
141	25.2	24.3	36.5



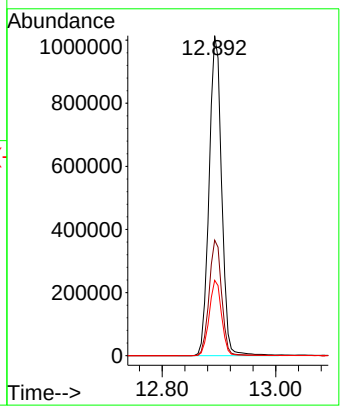


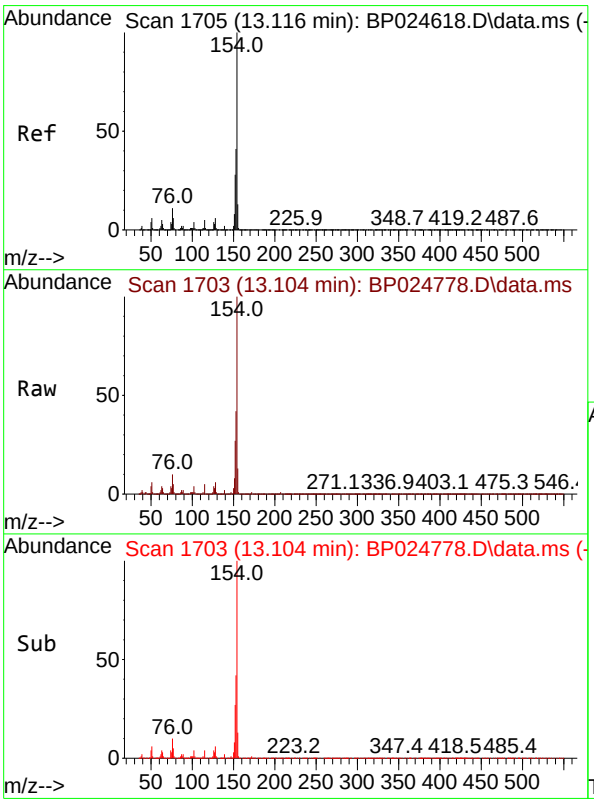
#45
2-Fluorobiphenyl
Concen: 78.276 ng
RT: 12.892 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024778.D
Acq: 23 May 2025 04:34

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

Tgt Ion:172 Resp: 1540280

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.8	43.2
170	23.5	18.8	28.2

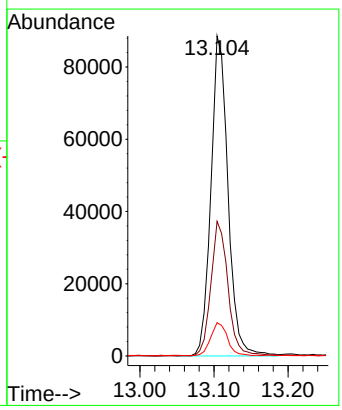


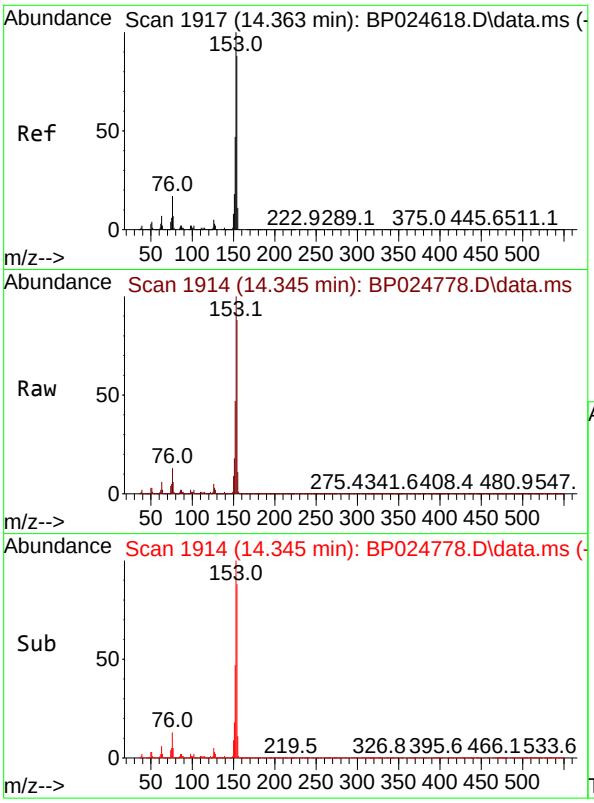


#46
1,1'-Biphenyl
Concen: 7.442 ng
RT: 13.104 min Scan# 1703
Delta R.T. -0.012 min
Lab File: BP024778.D
Acq: 23 May 2025 04:34

Tgt Ion:154 Resp: 141795

Ion	Ratio	Lower	Upper
154	100		
153	42.1	21.0	61.0
76	10.4	0.0	31.5



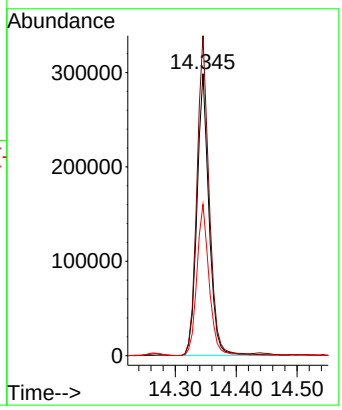


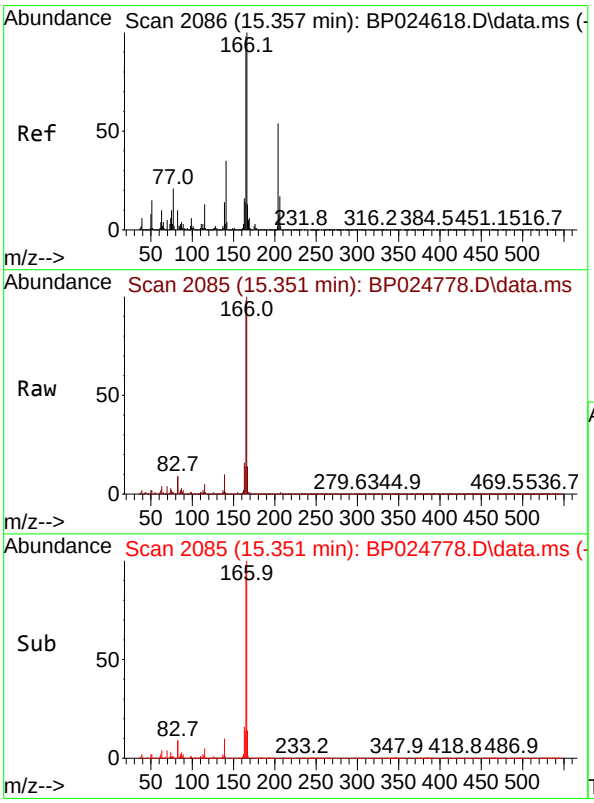
#52
Acenaphthene
Concen: 29.434 ng
RT: 14.345 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024778.D
Acq: 23 May 2025 04:34

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

Tgt Ion:154 Resp: 411411

Ion	Ratio	Lower	Upper
154	100		
153	113.5	91.0	136.4
152	53.7	42.9	64.3

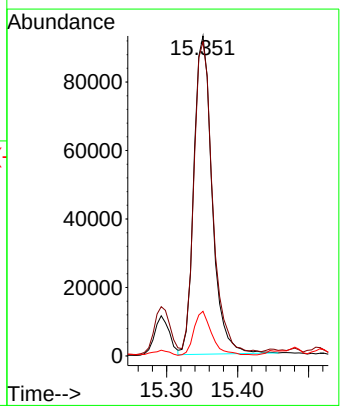


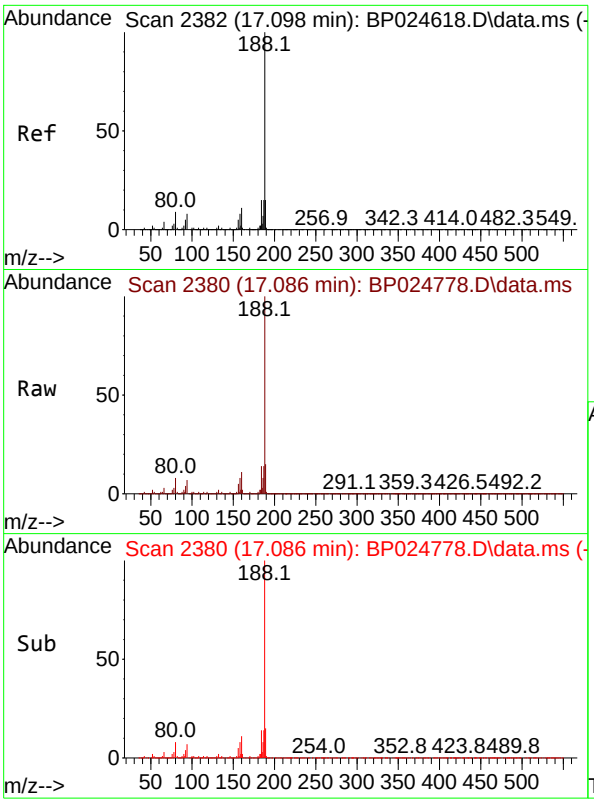


#58
Fluorene
Concen: 9.118 ng
RT: 15.351 min Scan# 2085
Delta R.T. -0.006 min
Lab File: BP024778.D
Acq: 23 May 2025 04:34

Tgt Ion:166 Resp: 165759

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.5	117.7
167	14.0	10.7	16.1



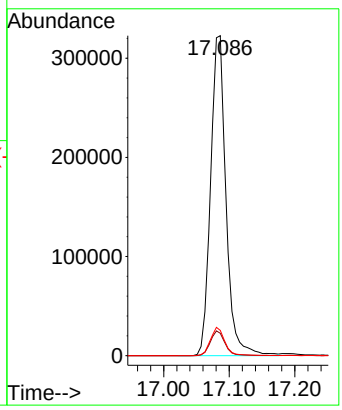


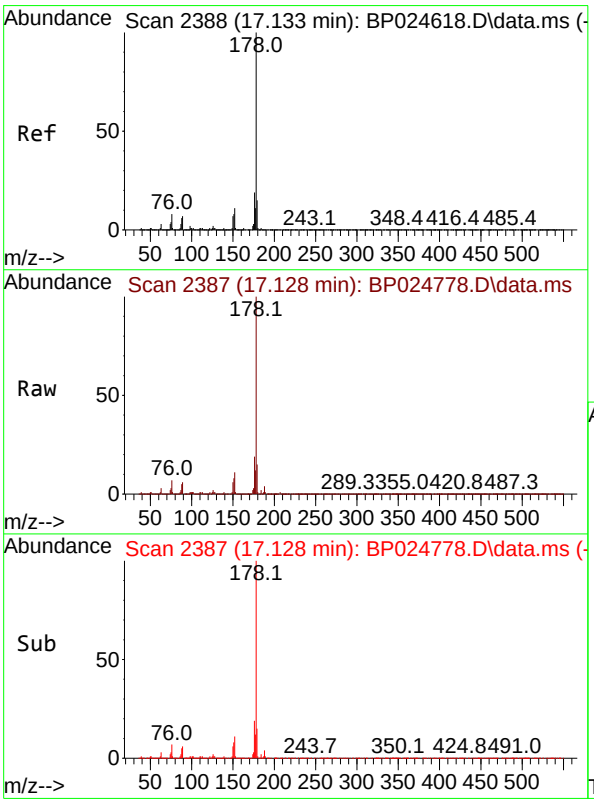
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024778.D
Acq: 23 May 2025 04:34

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

Tgt Ion:188 Resp: 526590

Ion	Ratio	Lower	Upper
188	100		
94	7.0	6.5	9.7
80	7.9	7.3	10.9

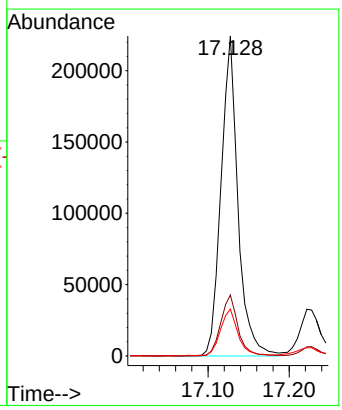


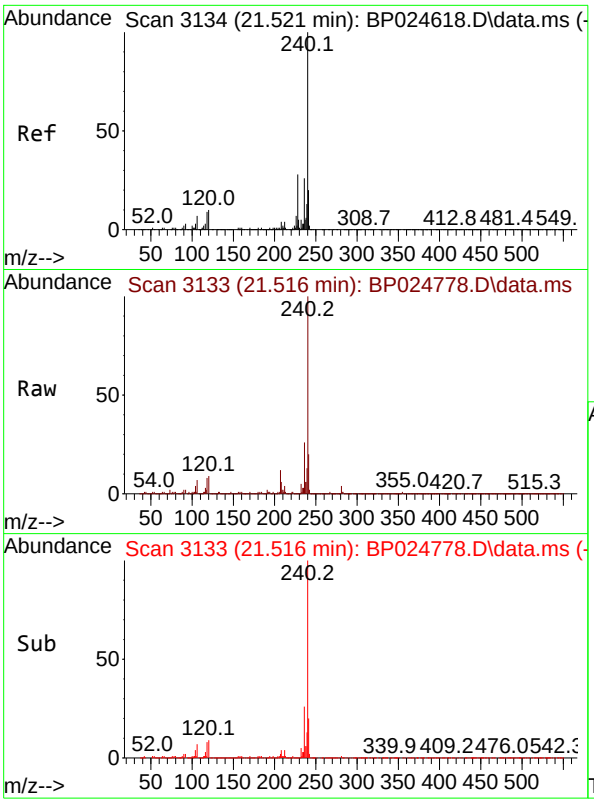


#71
Phenanthrene
Concen: 11.100 ng
RT: 17.128 min Scan# 2387
Delta R.T. -0.006 min
Lab File: BP024778.D
Acq: 23 May 2025 04:34

Tgt Ion:178 Resp: 324953

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	14.6	12.2	18.4



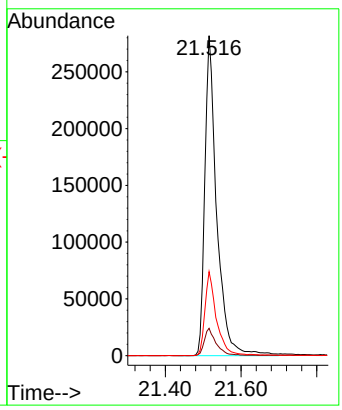


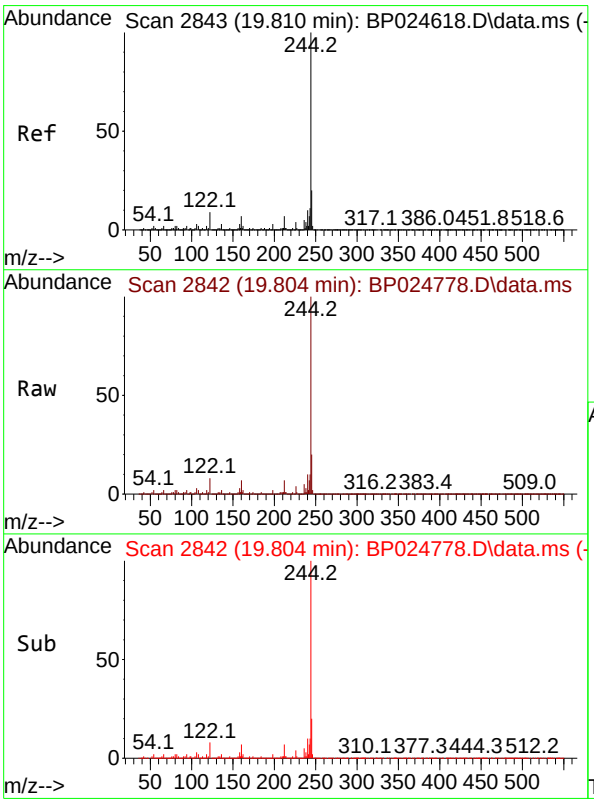
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.516 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024778.D
Acq: 23 May 2025 04:34

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

Tgt Ion:240 Resp: 612977

Ion	Ratio	Lower	Upper
240	100		
120	8.5	7.8	11.6
236	26.2	20.6	31.0

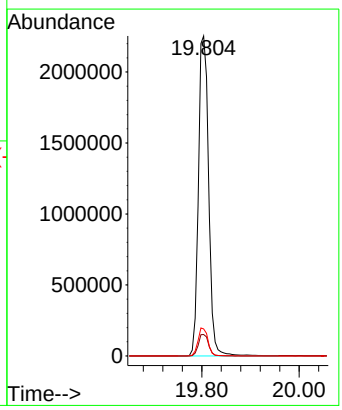


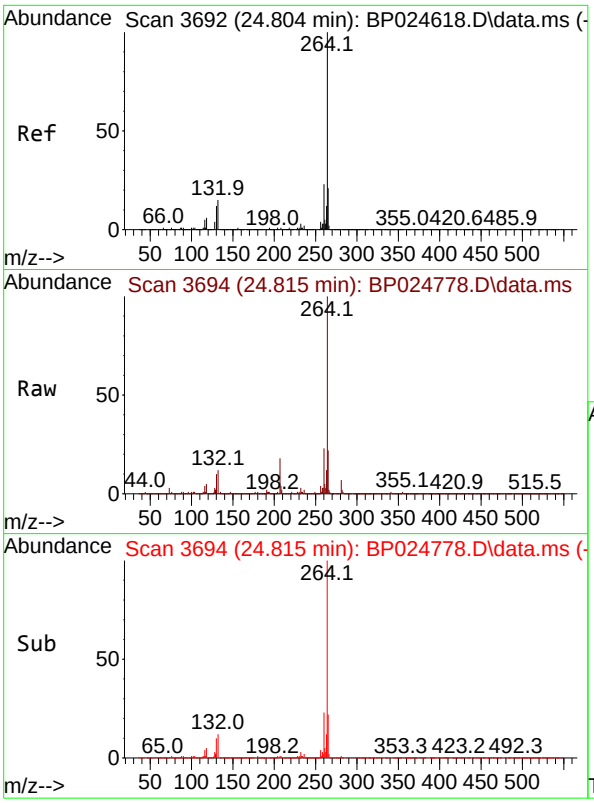


#79
Terphenyl-d14
Concen: 92.454 ng
RT: 19.804 min Scan# 2842
Delta R.T. -0.006 min
Lab File: BP024778.D
Acq: 23 May 2025 04:34

Tgt Ion:244 Resp: 3305107

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.5	8.3
122	8.5	7.4	11.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.815 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024778.D
Acq: 23 May 2025 04:34

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

Tgt Ion:264 Resp: 741957

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	22.4	17.0	25.6