Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022725\
Data File : BP024126.D
Acq On : 27 Feb 2025 19:16
Operator : RC/JU
Sample : Q1442-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
351

Quant Time: Feb 28 00:12:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 18 02:25:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.758	152	382262	20.000	ng		0.00
21) Naphthalene-d8	10.534	136	1493121	20.000	ng		0.00
39) Acenaphthene-d10	14.393	164	862761	20.000	ng		0.00
64) Phenanthrene-d10	17.187	188	1605737	20.000	ng		0.00
76) Chrysene-d12	21.645	240	1682209	20.000	ng		0.00
86) Perylene-d12	25.033	264	1959839	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.375	112	3440151	140.424	ng		0.00
7) Phenol-d6	6.940	99	4331064	137.551	ng		0.00
23) Nitrobenzene-d5	8.905	82	2529916	94.528	ng		0.00
42) 2,4,6-Tribromophenol	15.904	330	1605433	151.917	ng		0.00
45) 2-Fluorobiphenyl	12.999	172	5434858	88.065	ng		0.00
79) Terphenyl-d14	19.916	244	7361476	86.591	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	17.234	178	1768218	19.532	ng		100
72) Anthracene	17.328	178	336171	3.875	ng		99
75) Fluoranthene	19.322	202	3292755	32.157	ng		99
78) Pyrene	19.698	202	2688495	25.161	ng		99
81) Benzo(a)anthracene	21.627	228	1026868	9.735	ng		96
83) Chrysene	21.692	228	1268339	12.470	ng		98
87) Indeno(1,2,3-cd)pyrene	28.874	276	642596	4.609	ng	#	90
88) Benzo(b)fluoranthene	23.969	252	1484450	11.928	ng		99
89) Benzo(k)fluoranthene	24.033	252	478962	3.954	ng		98
90) Benzo(a)pyrene	24.874	252	904593	8.565	ng		99
92) Benzo(g,h,i)perylene	30.068	276	636911	5.354	ng		97

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

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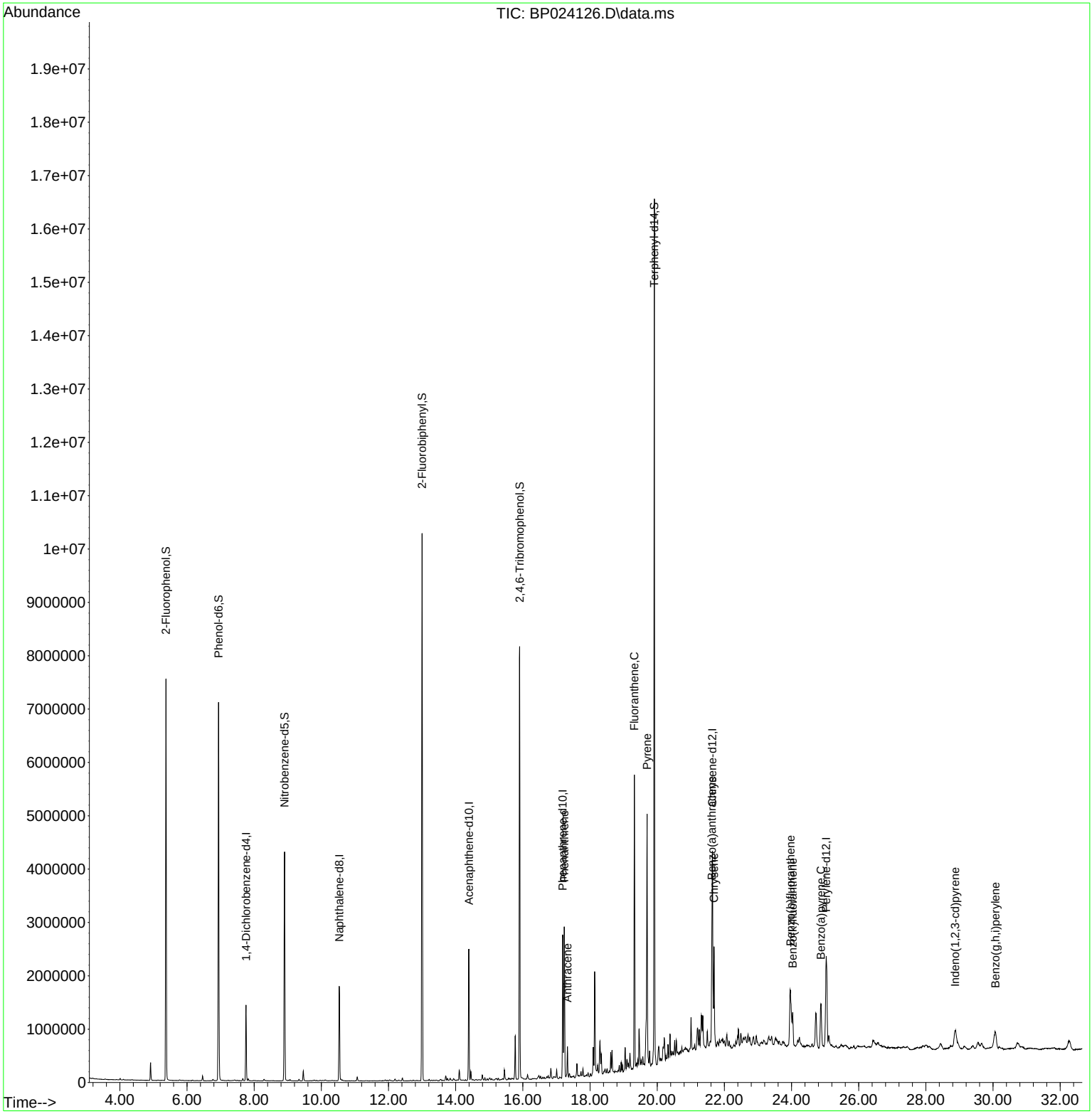
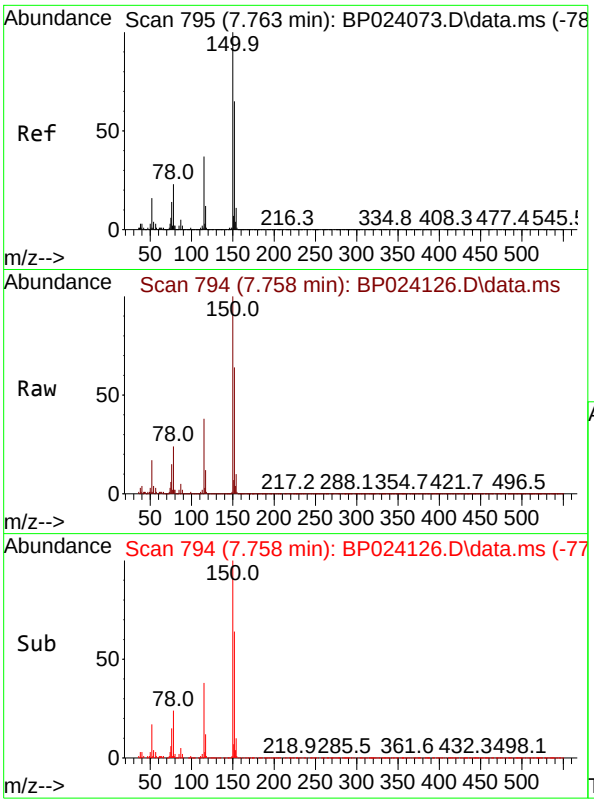


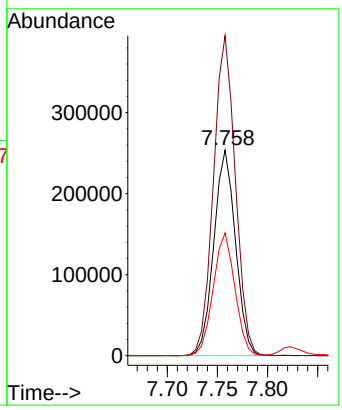


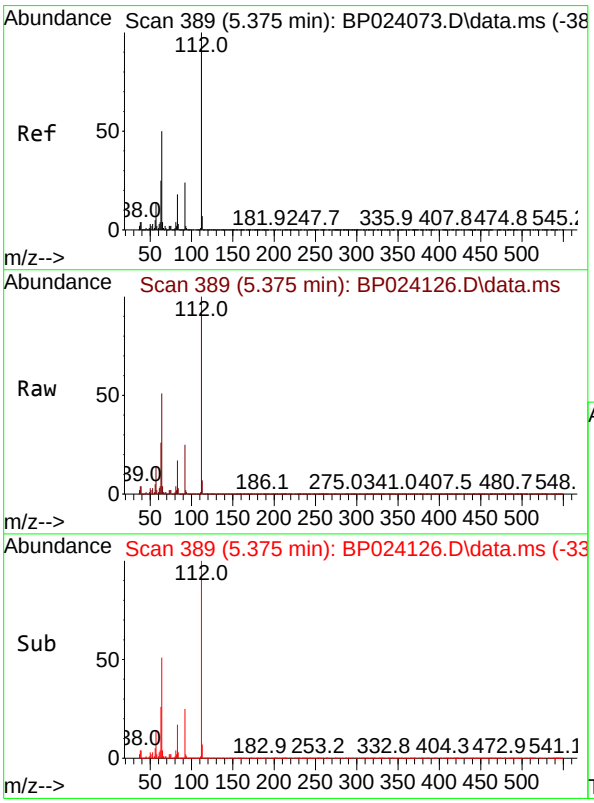
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.758 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Instrument :
BNA_P
ClientSampleId :
351

Tgt Ion:152 Resp: 382262

Ion	Ratio	Lower	Upper
152	100		
150	155.6	122.4	183.6
115	59.6	45.0	67.6

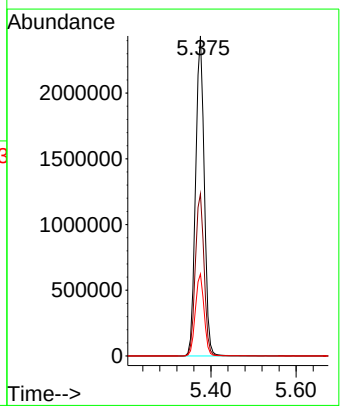


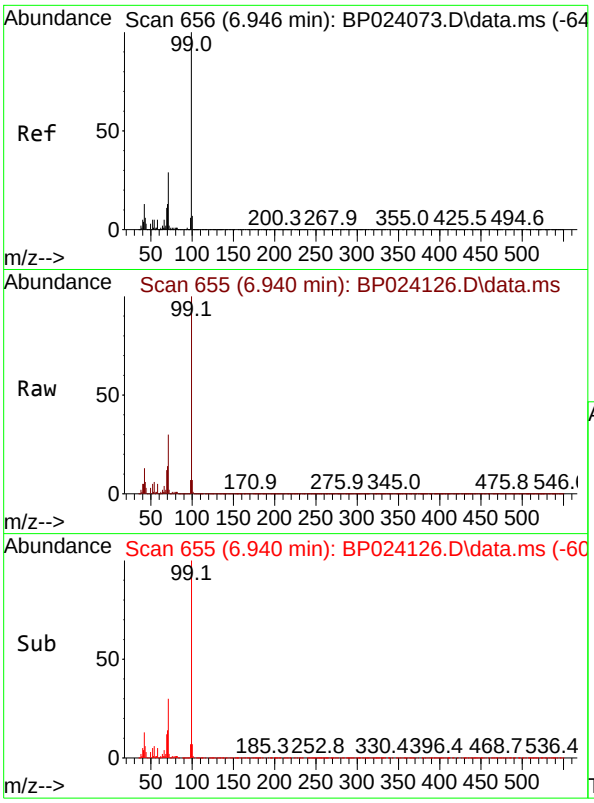


#5
2-Fluorophenol
Concen: 140.424 ng
RT: 5.375 min Scan# 389
Delta R.T. 0.000 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Tgt Ion:112 Resp: 3440151

Ion	Ratio	Lower	Upper
112	100		
64	50.6	39.6	59.4
63	25.6	20.3	30.5



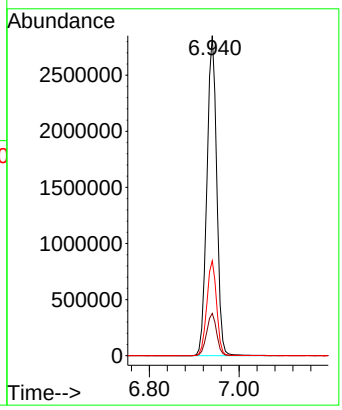


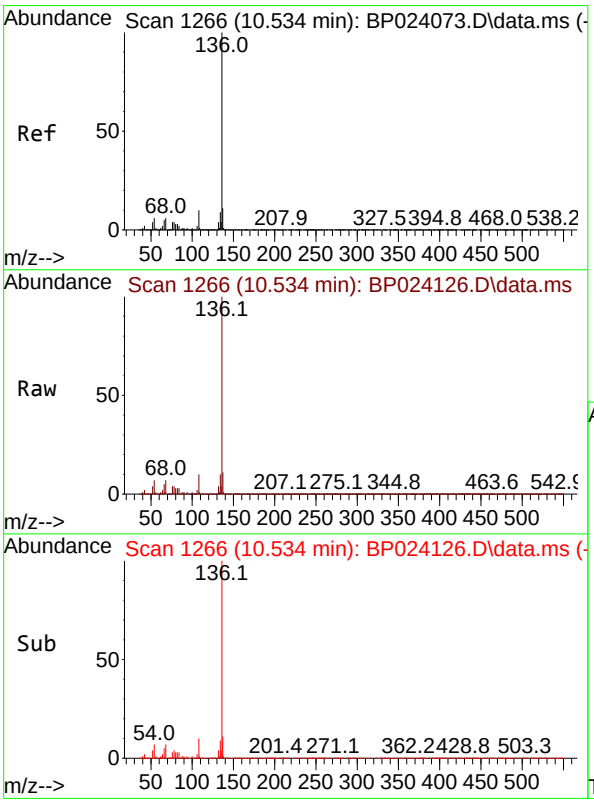
#7
Phenol-d6
Concen: 137.551 ng
RT: 6.940 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Instrument :
BNA_P
ClientSampleId :
351

Tgt Ion: 99 Resp: 4331064

Ion	Ratio	Lower	Upper
99	100		
42	13.2	10.3	15.5
71	29.6	22.9	34.3

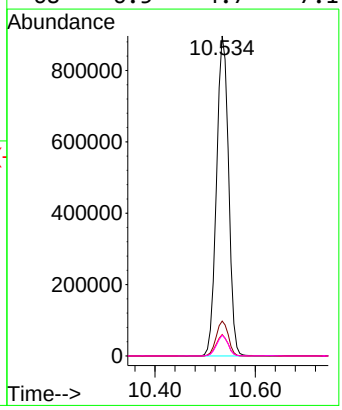


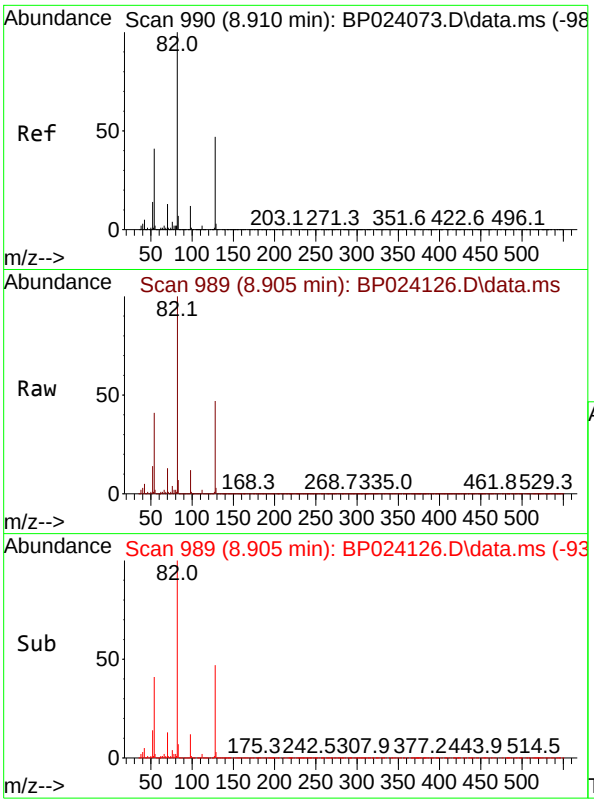


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Tgt Ion:136 Resp: 1493121

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	6.7	4.9	7.3
68	6.5	4.7	7.1



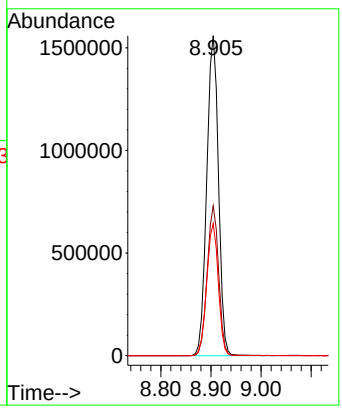


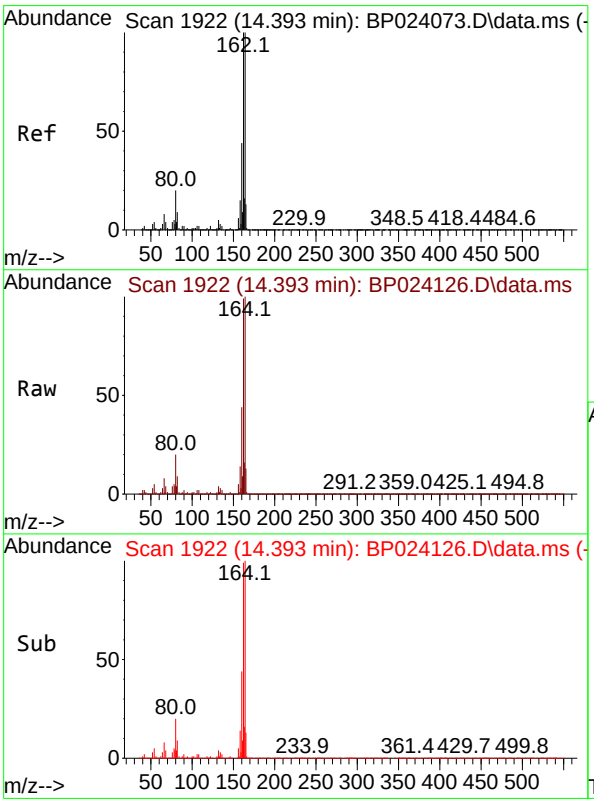
#23
Nitrobenzene-d5
Concen: 94.528 ng
RT: 8.905 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Instrument :
BNA_P
ClientSampleId :
351

Tgt Ion: 82 Resp: 2529916

Ion	Ratio	Lower	Upper
82	100		
128	46.8	37.4	56.2
54	41.3	32.4	48.6

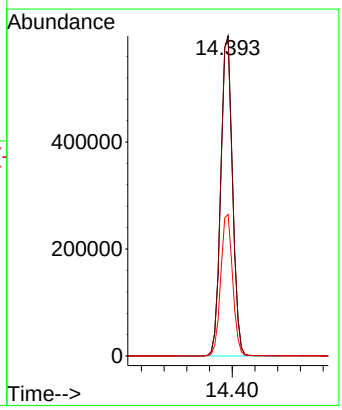


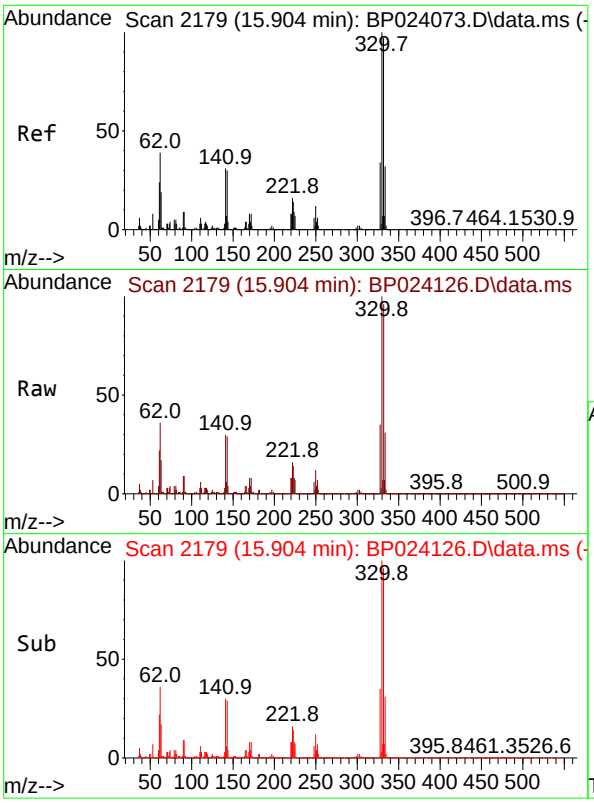


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.393 min Scan# 1922
Delta R.T. 0.000 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Tgt Ion:164 Resp: 862761

Ion	Ratio	Lower	Upper
164	100		
162	98.8	80.1	120.1
160	44.2	35.6	53.4



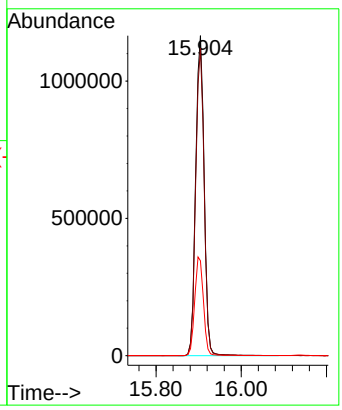


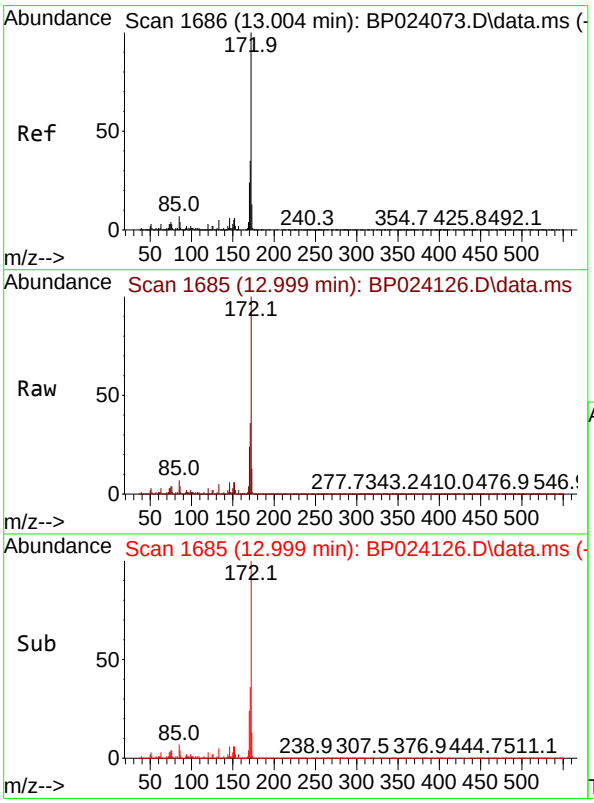
#42
2,4,6-Tribromophenol
Concen: 151.917 ng
RT: 15.904 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Instrument :
BNA_P
ClientSampleId :
351

Tgt Ion:330 Resp: 1605433

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.4
141	31.5	28.3	42.5

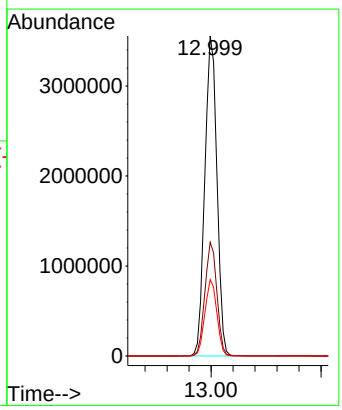


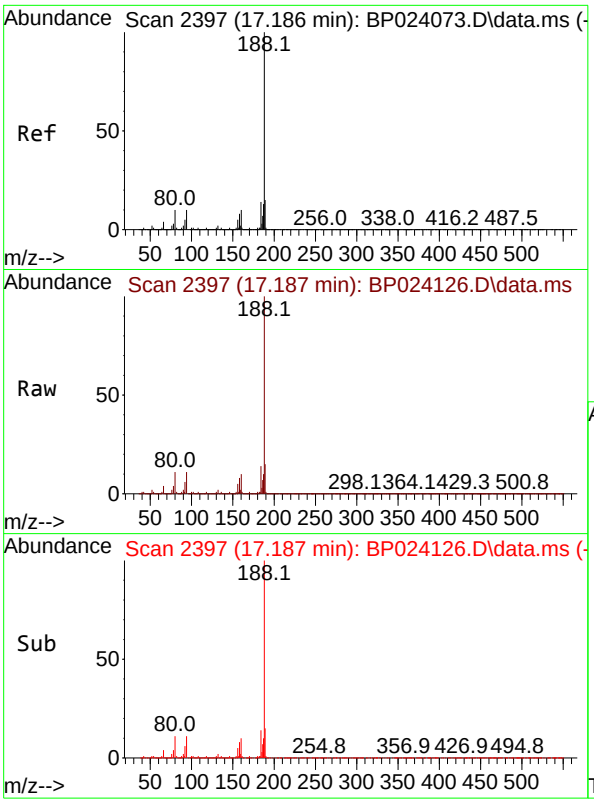


#45
2-Fluorobiphenyl
Concen: 88.065 ng
RT: 12.999 min Scan# 1685
Delta R.T. -0.006 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Tgt Ion:172 Resp: 5434858

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.2
170	23.8	19.0	28.6



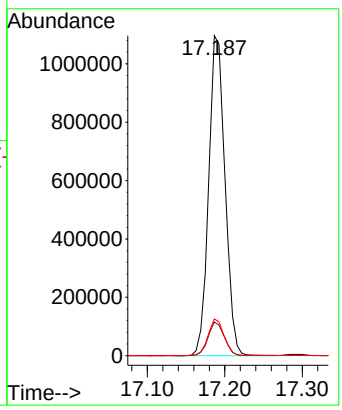


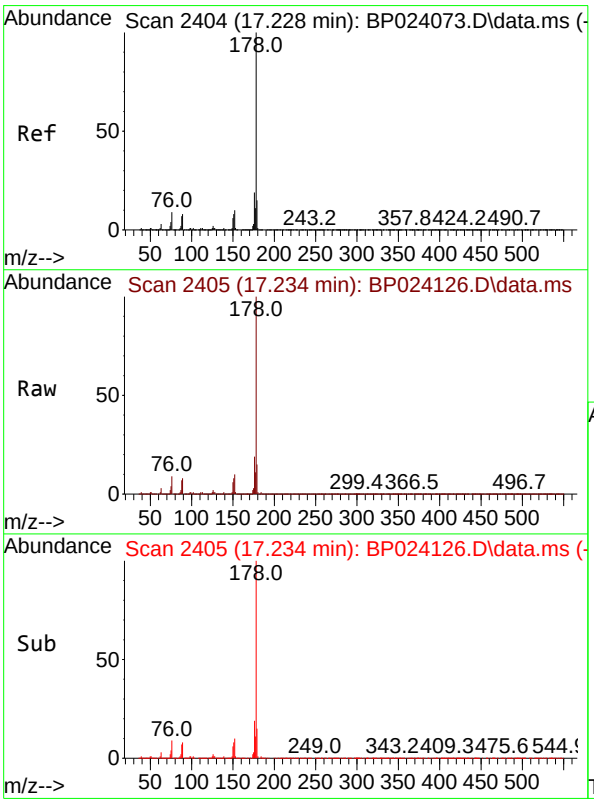
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.187 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Instrument :
BNA_P
ClientSampleId :
351

Tgt Ion:188 Resp: 1605737

Ion	Ratio	Lower	Upper
188	100		
94	10.5	7.6	11.4
80	11.5	8.2	12.2

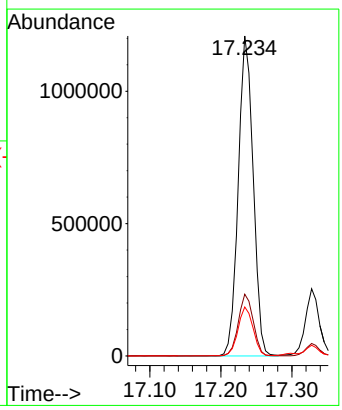


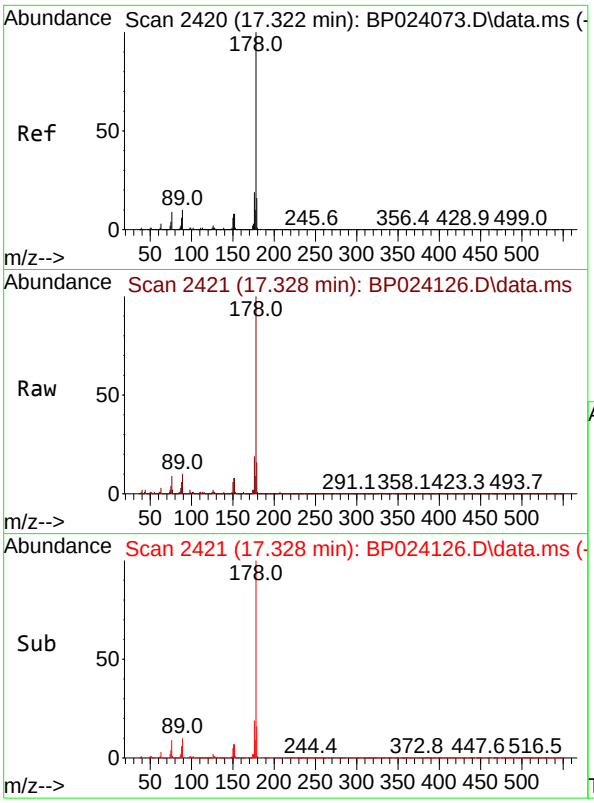


#71
Phenanthrene
Concen: 19.532 ng
RT: 17.234 min Scan# 2405
Delta R.T. 0.006 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Tgt Ion:178 Resp: 1768218

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	15.3	12.4	18.6



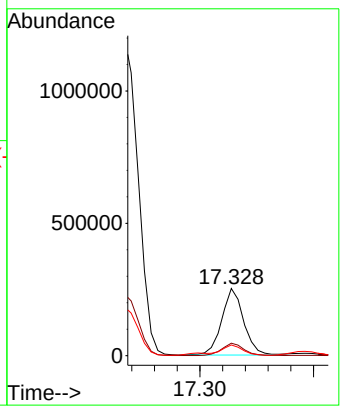


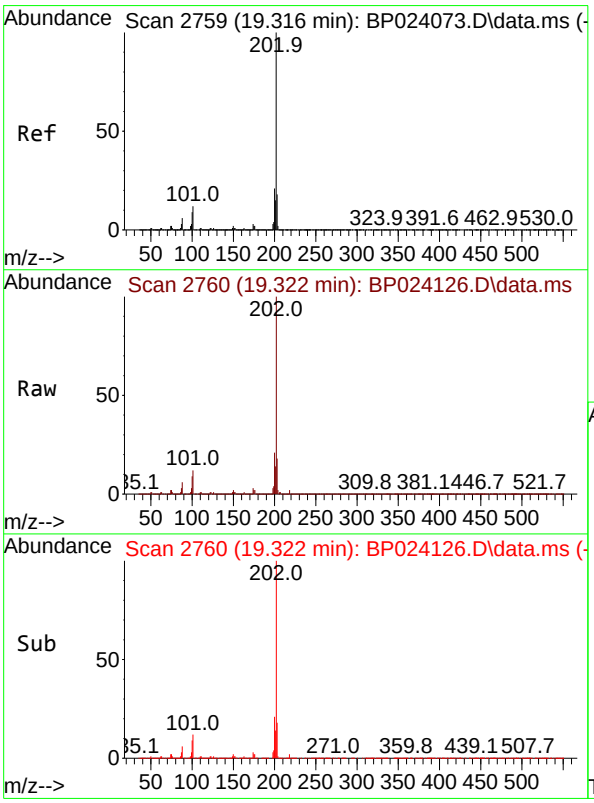
#72
Anthracene
Concen: 3.875 ng
RT: 17.328 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Instrument :
BNA_P
ClientSampleId :
351

Tgt Ion:178 Resp: 336171

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.0
179	15.8	12.6	19.0

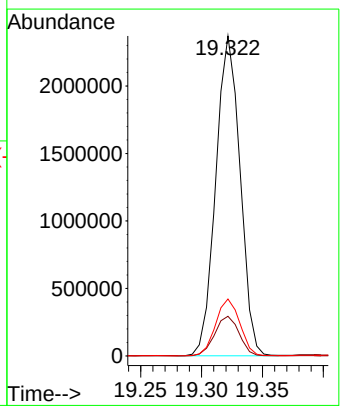


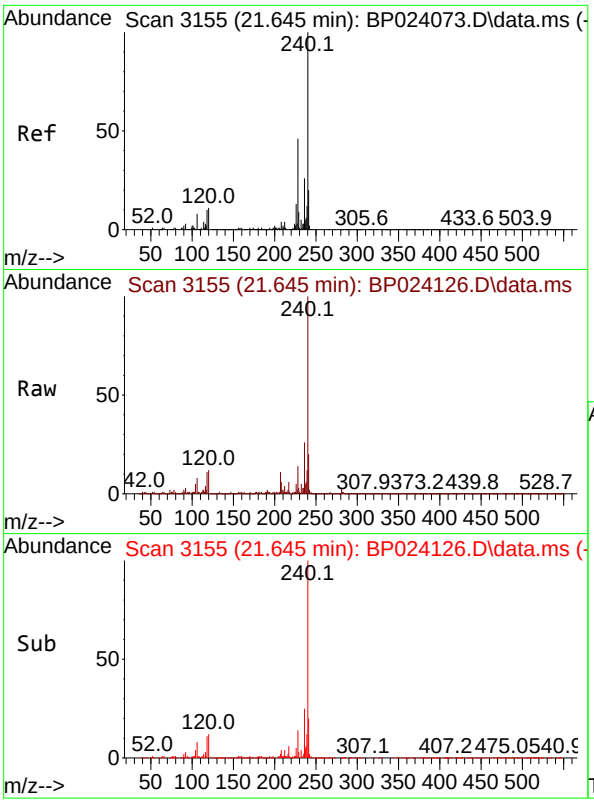


#75
Fluoranthene
Concen: 32.157 ng
RT: 19.322 min Scan# 2760
Delta R.T. 0.006 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Tgt Ion:202 Resp: 3292755

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.9
203	17.8	0.0	37.7



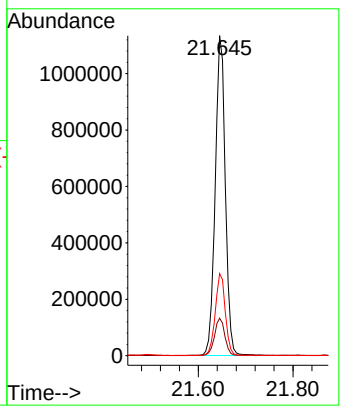


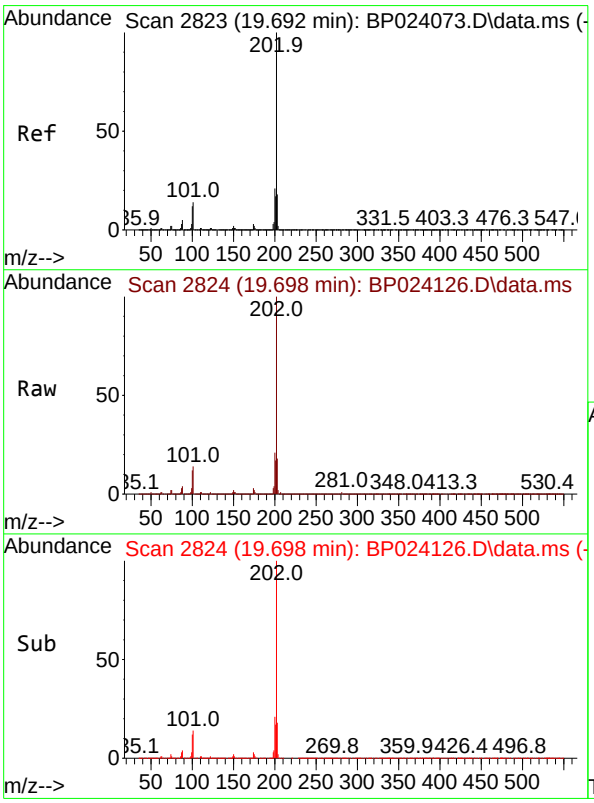
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.645 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Instrument :
BNA_P
ClientSampleId :
351

Tgt Ion:240 Resp: 1682209

Ion	Ratio	Lower	Upper
240	100		
120	11.7	8.9	13.3
236	25.6	20.7	31.1

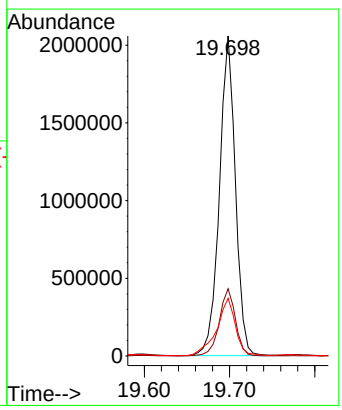


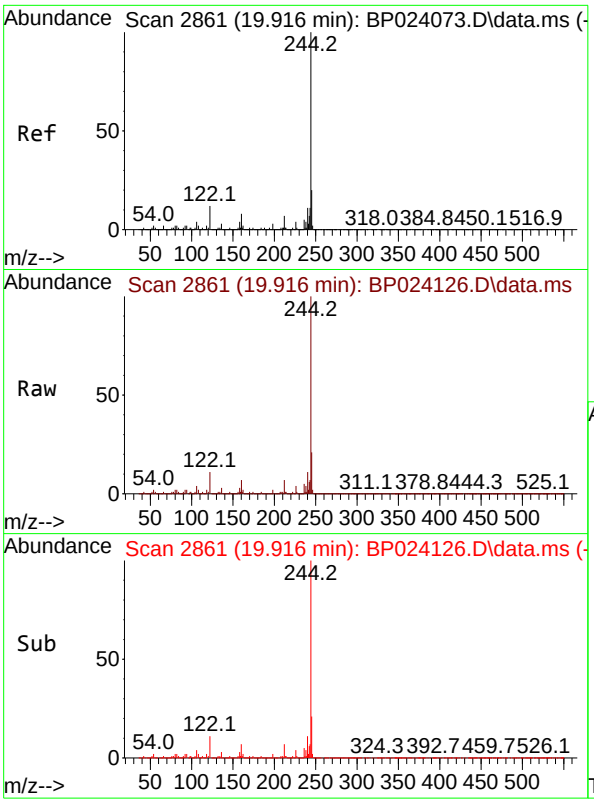


#78
Pyrene
Concen: 25.161 ng
RT: 19.698 min Scan# 2824
Delta R.T. 0.006 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Tgt Ion:202 Resp: 2688495

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.2	25.8
203	18.0	14.4	21.6



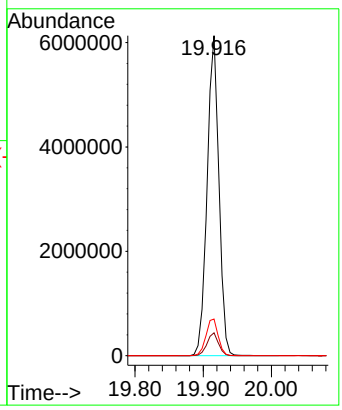


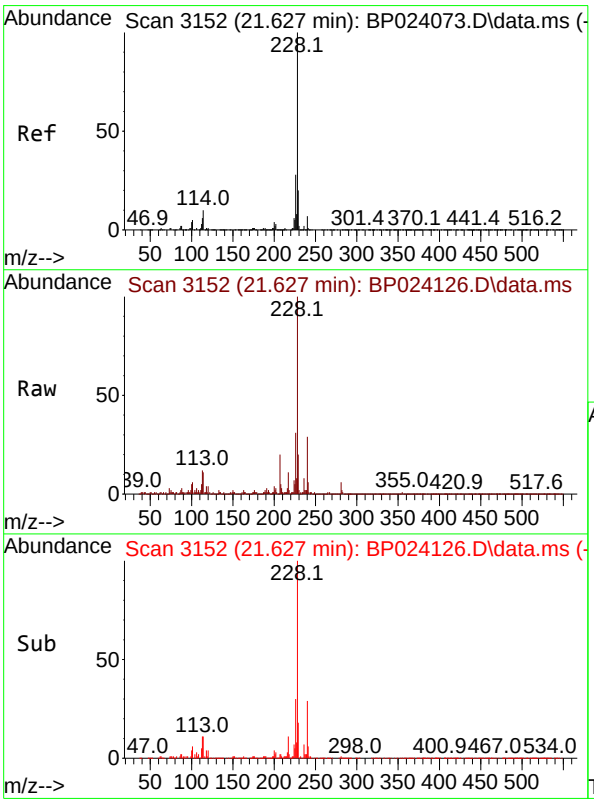
#79
Terphenyl-d14
Concen: 86.591 ng
RT: 19.916 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Instrument :
BNA_P
ClientSampleId :
351

Tgt Ion:244 Resp: 7361476

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	11.4	9.4	14.2

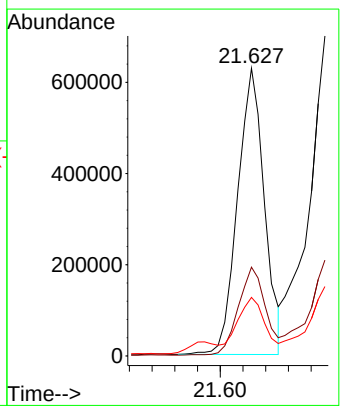


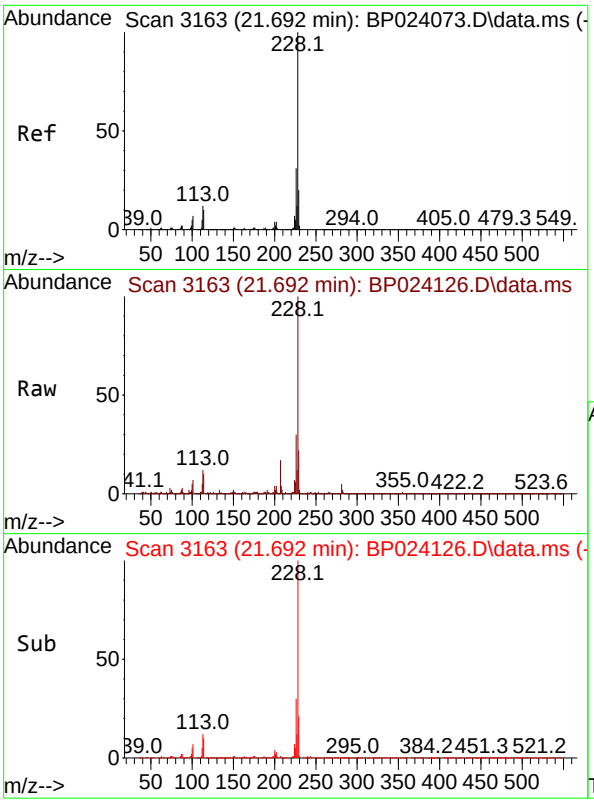


#81
Benzo(a)anthracene
Concen: 9.735 ng
RT: 21.627 min Scan# 3152
Delta R.T. 0.000 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Tgt Ion:228 Resp: 1026868

Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.2	33.4
229	20.4	15.8	23.8



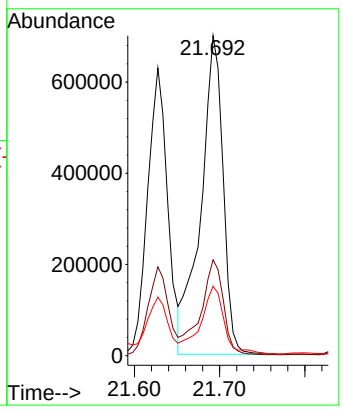


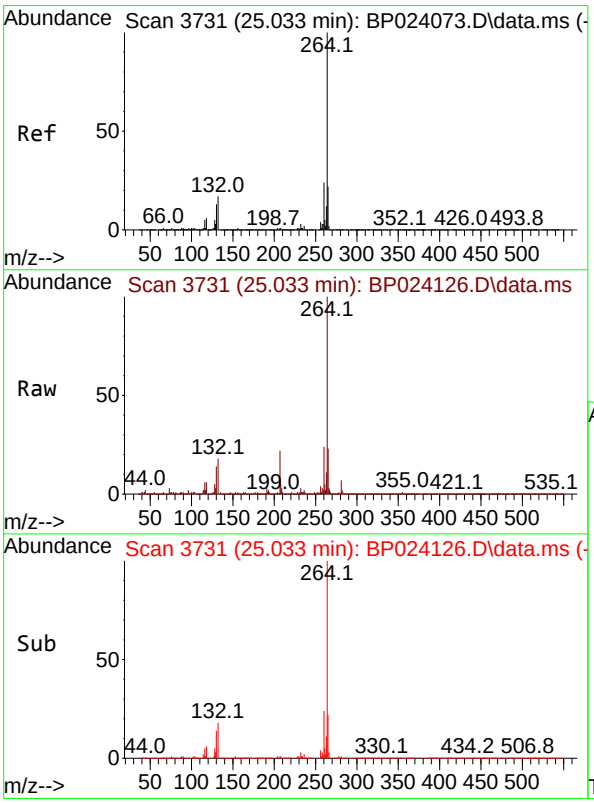
#83
Chrysene
Concen: 12.470 ng
RT: 21.692 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Instrument :
BNA_P
ClientSampleId :
351

Tgt Ion:228 Resp: 1268339

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.5	36.7
229	21.7	16.1	24.1

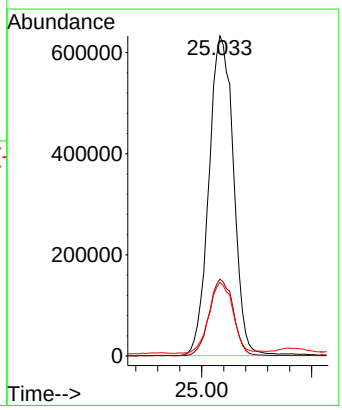


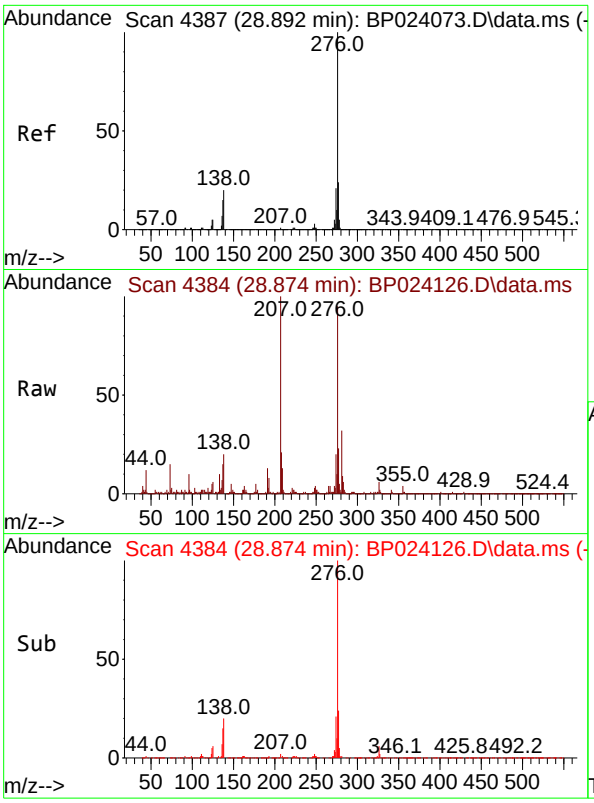


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.033 min Scan# 3731
Delta R.T. 0.000 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Tgt Ion:264 Resp: 1959839

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.6
265	23.0	17.8	26.8



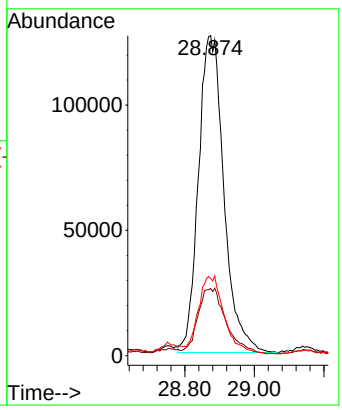


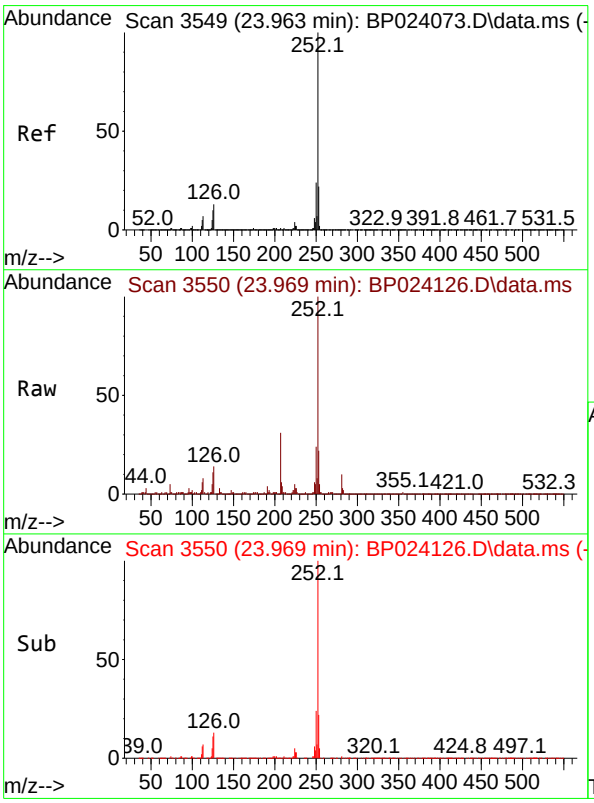
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.609 ng
RT: 28.874 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Instrument :
BNA_P
ClientSampleId :
351

Tgt Ion:276 Resp: 642596

Ion	Ratio	Lower	Upper
276	100		
138	22.8	14.2	21.4#
277	24.4	16.2	24.4#

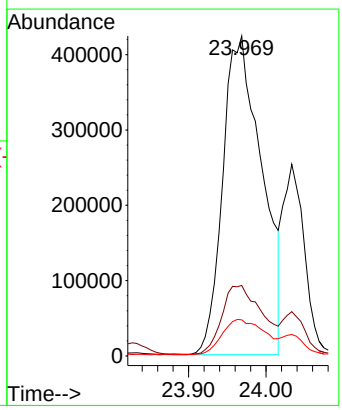


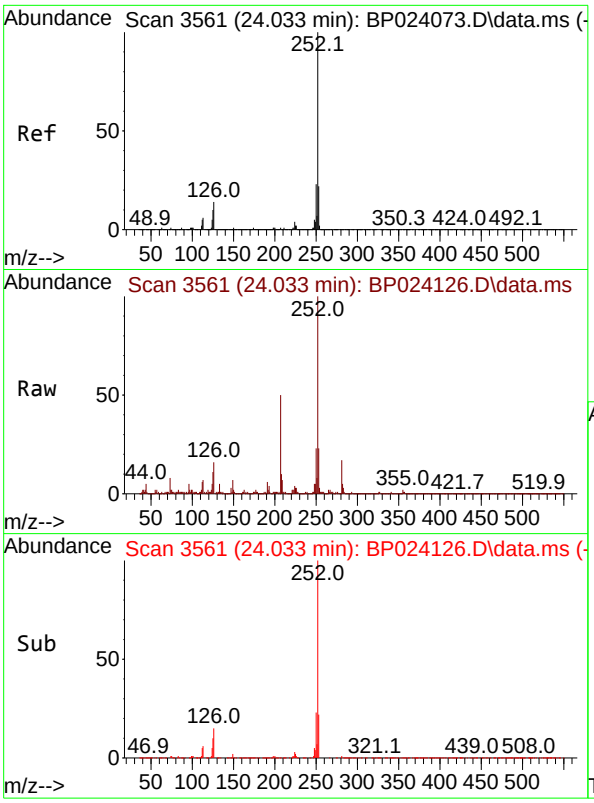


#88
Benzo(b)fluoranthene
Concen: 11.928 ng
RT: 23.969 min Scan# 3550
Delta R.T. 0.006 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Tgt Ion:252 Resp: 1484450

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	11.3	8.4	12.6



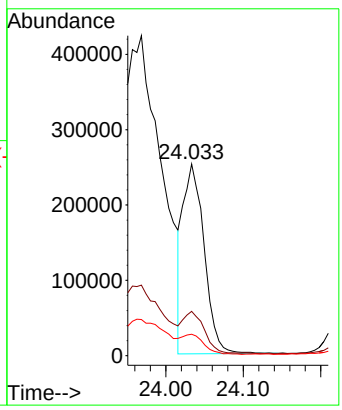


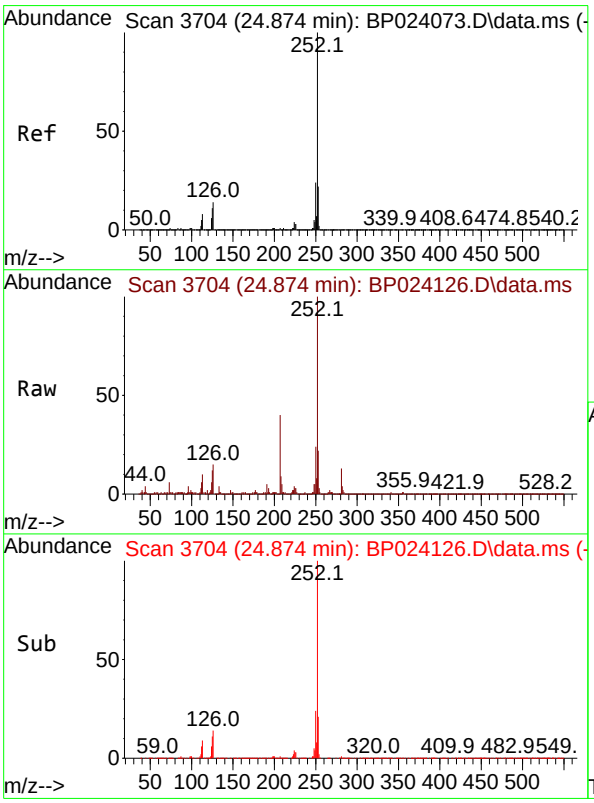
#89
Benzo(k)fluoranthene
Concen: 3.954 ng
RT: 24.033 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Instrument :
BNA_P
ClientSampleId :
351

Tgt Ion:252 Resp: 478962

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	11.2	8.1	12.1

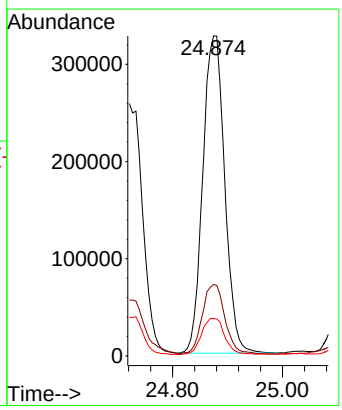


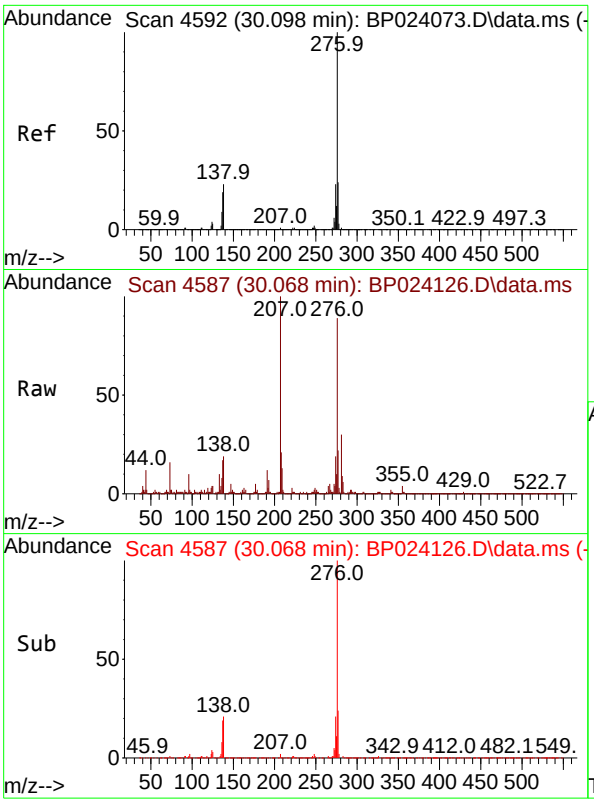


#90
Benzo(a)pyrene
Concen: 8.565 ng
RT: 24.874 min Scan# 3704
Delta R.T. 0.000 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Tgt Ion:252 Resp: 904593

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	11.7	8.8	13.2





#92
Benzo(g,h,i)perylene
Concen: 5.354 ng
RT: 30.068 min Scan# 4
Delta R.T. -0.029 min
Lab File: BP024126.D
Acq: 27 Feb 2025 19:16

Instrument :
BNA_P
ClientSampleId :
351

Tgt Ion:276 Resp: 636911

Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.9	28.3
138	21.2	18.1	27.1