Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024329.D
Acq On : 17 Apr 2025 16:42
Operator : RC/JU
Sample : Q1825-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-9

Quant Time: Apr 17 17:14:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

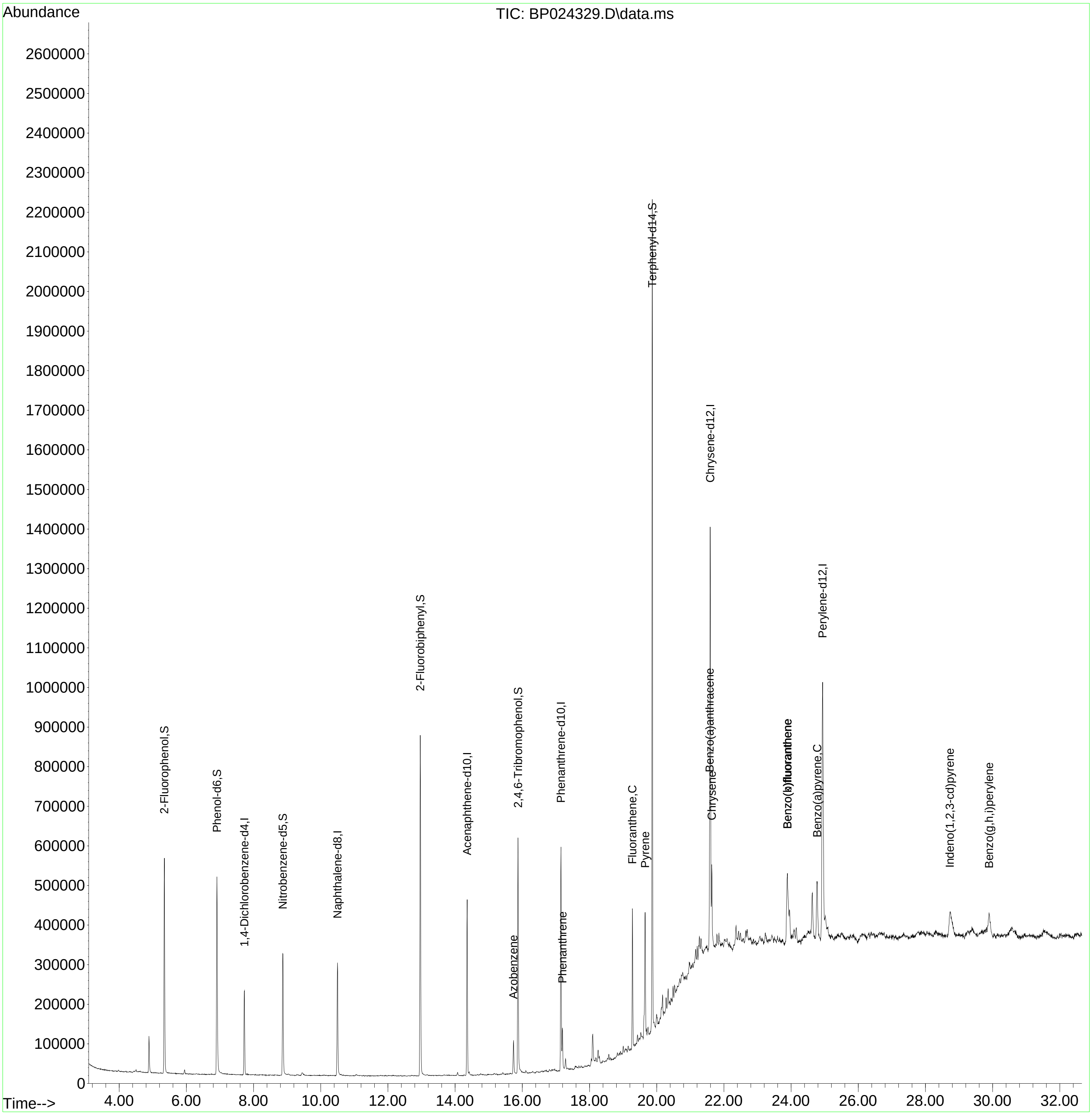
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	61049	20.000	ng	0.00
21) Naphthalene-d8	10.499	136	246181	20.000	ng	0.00
39) Acenaphthene-d10	14.357	164	154022	20.000	ng	-0.01
64) Phenanthrene-d10	17.151	188	331253	20.000	ng	-0.03
76) Chrysene-d12	21.592	240	512037	20.000	ng	-0.03
86) Perylene-d12	24.939	264	655967	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	258165	69.922	ng	0.00
7) Phenol-d6	6.910	99	345270	68.294	ng	0.00
23) Nitrobenzene-d5	8.869	82	205000	47.483	ng	-0.01
42) 2,4,6-Tribromophenol	15.875	330	123752	58.073	ng	-0.02
45) 2-Fluorobiphenyl	12.963	172	478776	47.594	ng	-0.02
79) Terphenyl-d14	19.869	244	925091	36.416	ng	-0.05
Target Compounds						Qvalue
63) Azobenzene	15.734	77	28034	2.642	ng	# 1
71) Phenanthrene	17.192	178	66146	3.660	ng	98
75) Fluoranthene	19.275	202	197353	9.183	ng	99
78) Pyrene	19.657	202	216495	6.653	ng	98
81) Benzo(a)anthracene	21.574	228	144139	4.529	ng	98
83) Chrysene	21.639	228	135524	4.445	ng	97
87) Indeno(1,2,3-cd)pyrene	28.727	276	111300	2.444	ng	# 94
88) Benzo(b)fluoranthene	23.892	252	221502	5.633	ng	99
89) Benzo(k)fluoranthene	23.892	252	221502	5.832	ng	98
90) Benzo(a)pyrene	24.780	252	162833	4.801	ng	99
92) Benzo(g,h,i)perylene	29.892	276	104355	2.712	ng	96

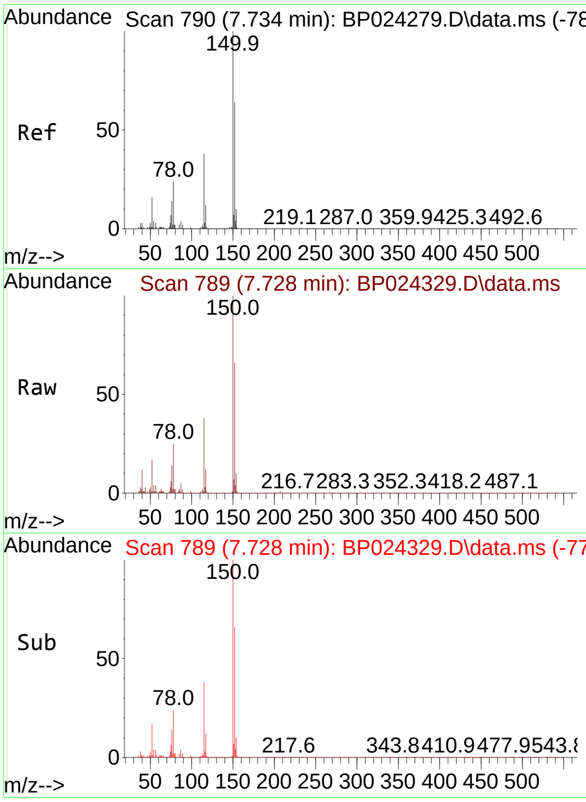
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
Data File : BP024329.D
Acq On   : 17 Apr 2025 16:42
Operator : RC/JU
Sample   : Q1825-01
Misc   :
ALS Vial : 11   Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-9

Quant Time: Apr 17 17:14:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration



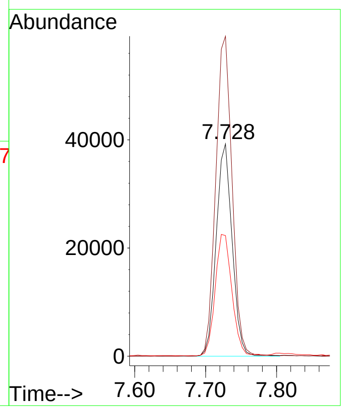


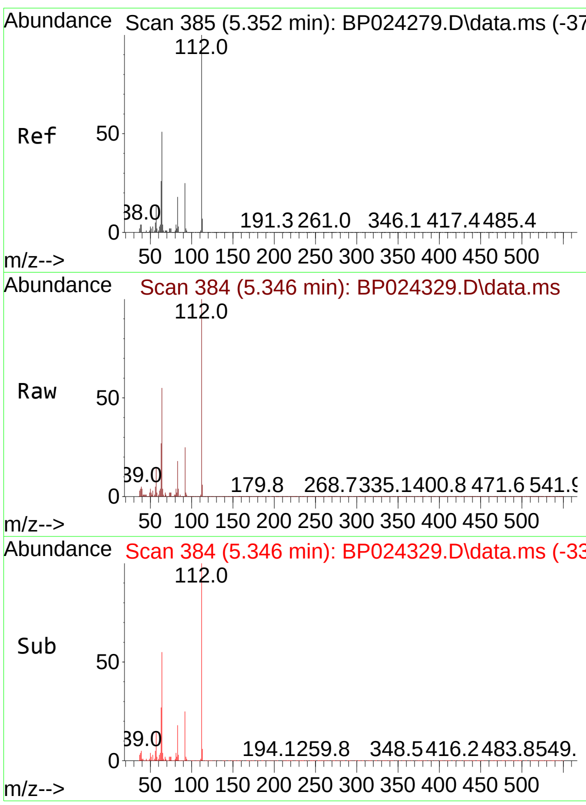
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min   Scan# 7
Delta R.T.   0.000 min
Lab File: BP024329.D
Acq: 17 Apr 2025   16:42

Instrument :
BNA_P
ClientSampleId :
TP-9

Tgt Ion:152 Resp: 61049

Ion	Ratio	Lower	Upper
152	100		
150	150.7	124.9	187.3
115	56.8	47.7	71.5

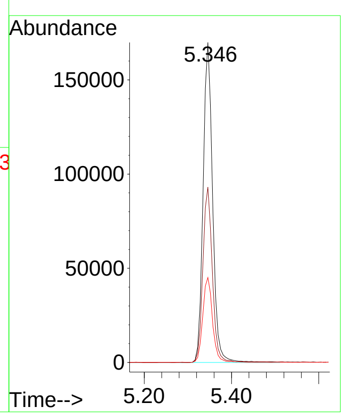


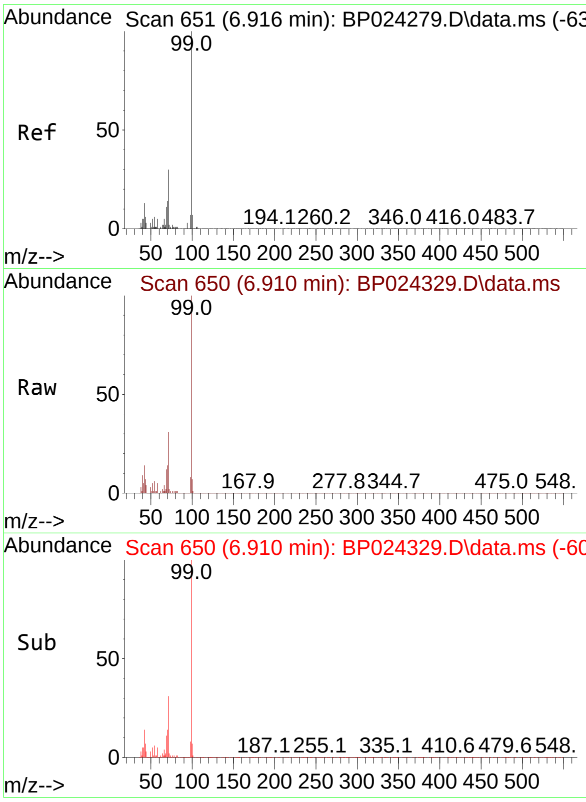


#5
2-Fluorophenol
Concen: 69.922 ng
RT: 5.346 min   Scan# 384
Delta R.T.   -0.006 min
Lab File: BP024329.D
Acq: 17 Apr 2025   16:42

Tgt Ion:112 Resp: 258165

Ion	Ratio	Lower	Upper
112	100		
64	54.8	41.1	61.7
63	26.6	20.6	30.8



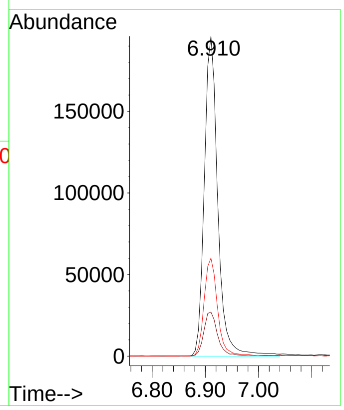


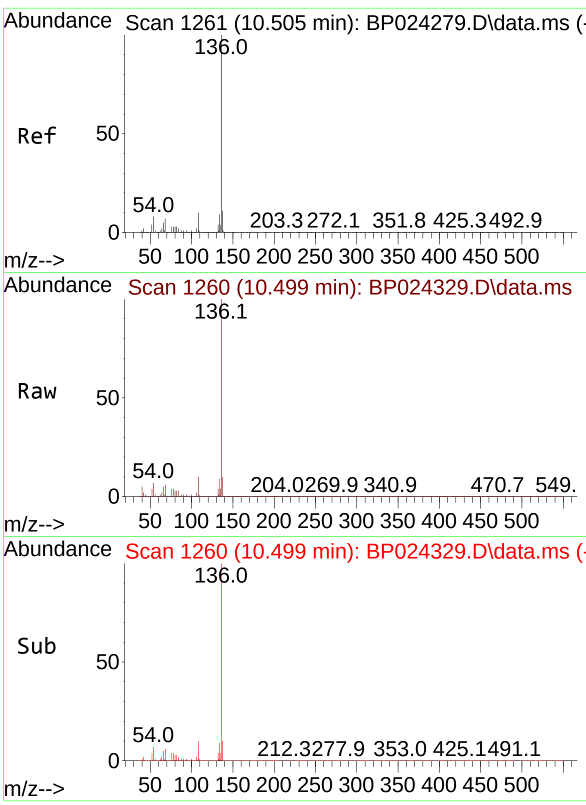
#7
Phenol-d6
Concen: 68.294 ng
RT: 6.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024329.D
Acq: 17 Apr 2025 16:42

Instrument :
BNA_P
ClientSampleId :
TP-9

Tgt Ion: 99 Resp: 345270

Ion	Ratio	Lower	Upper
99	100		
42	13.8	10.6	16.0
71	30.6	23.7	35.5

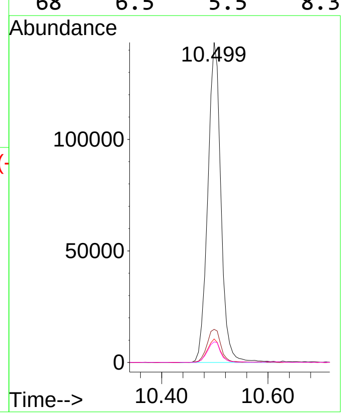


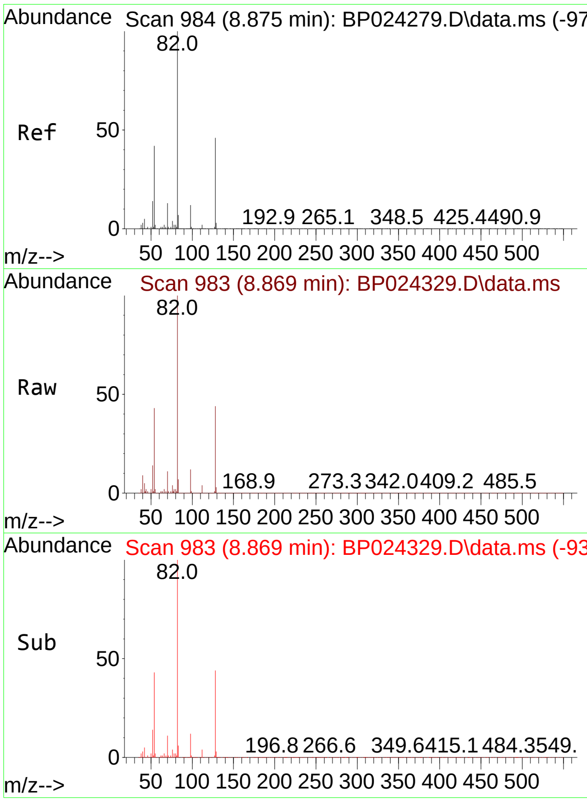


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.499 min Scan# 1260
Delta R.T. -0.006 min
Lab File: BP024329.D
Acq: 17 Apr 2025 16:42

Tgt Ion:136 Resp: 246181

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.2	13.8
54	7.4	6.0	9.0
68	6.5	5.5	8.3



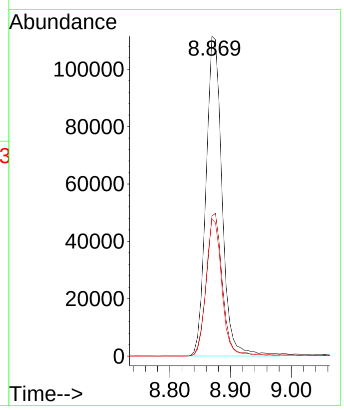


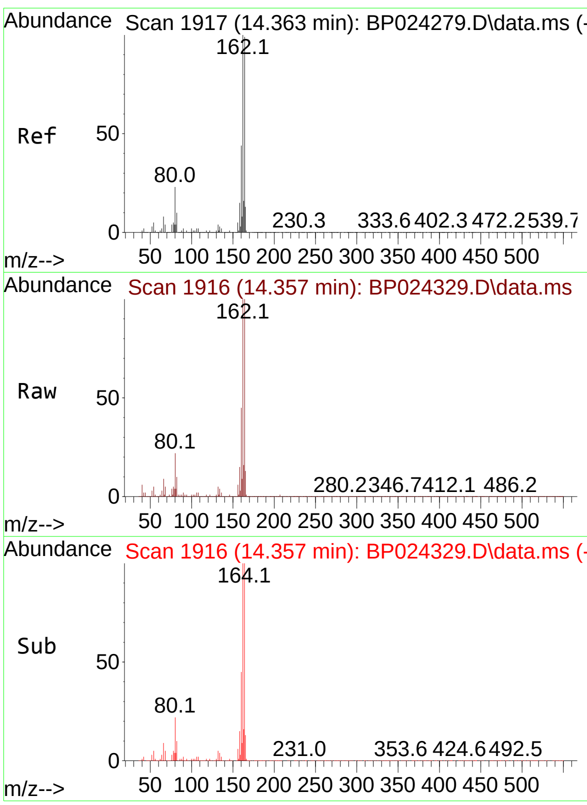
#23
Nitrobenzene-d5
Concen: 47.483 ng
RT: 8.869 min   Scan# 9
Delta R.T.   -0.012 min
Lab File: BP024329.D
Acq: 17 Apr 2025   16:42

Instrument :
BNA_P
ClientSampleId :
TP-9

Tgt Ion: 82 Resp: 205000

Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.5	54.7
54	43.0	33.4	50.2

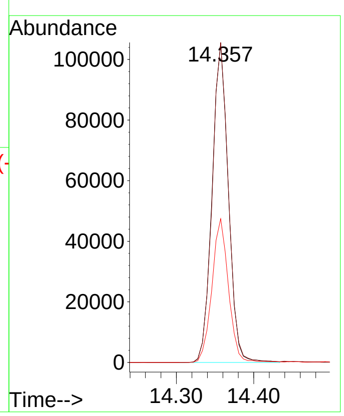


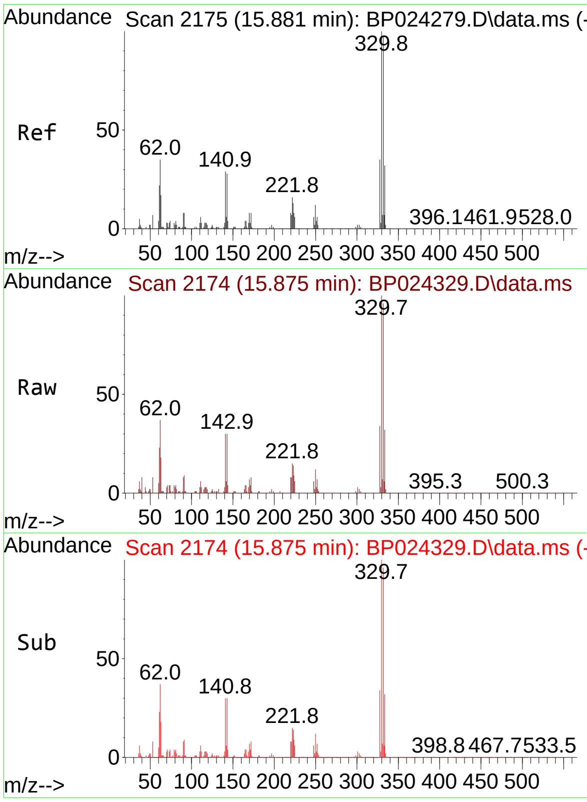


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.357 min   Scan# 1916
Delta R.T.   -0.012 min
Lab File: BP024329.D
Acq: 17 Apr 2025   16:42

Tgt Ion:164 Resp: 154022

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.6	120.8
160	45.0	35.3	52.9





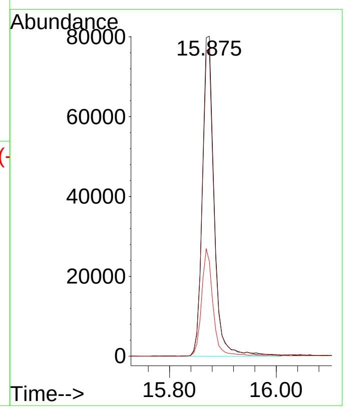
#42
2,4,6-Tribromophenol
Concen: 58.073 ng
RT: 15.875 min Scan# 2

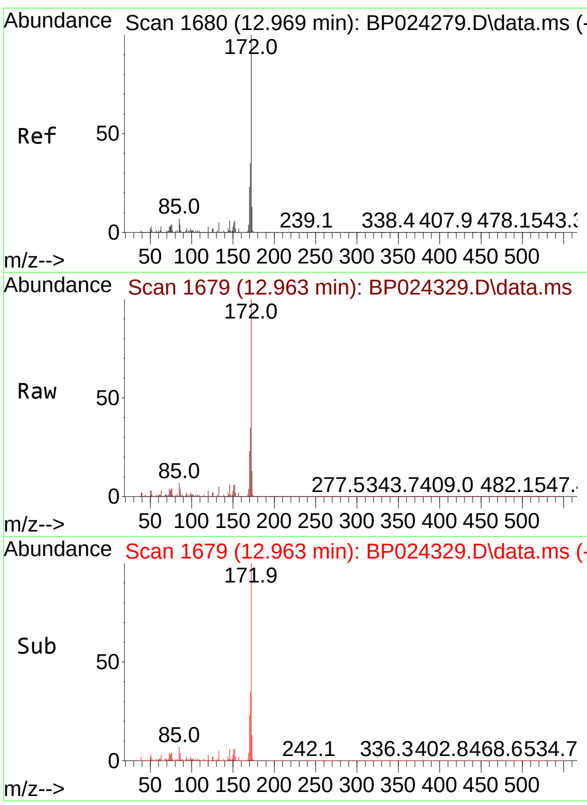
Instrument :
BNA_P
ClientSampleId :
TP-9

Delta R.T. -0.018 min
Lab File: BP024329.D
Acq: 17 Apr 2025 16:42

Tgt Ion:330 Resp: 123752

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.1	115.7
141	32.2	24.7	37.1

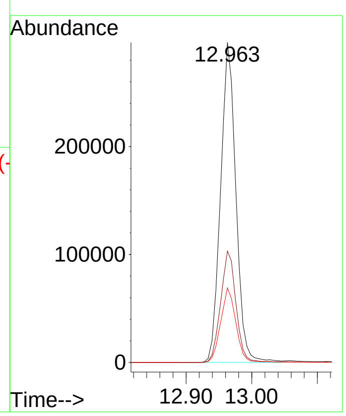


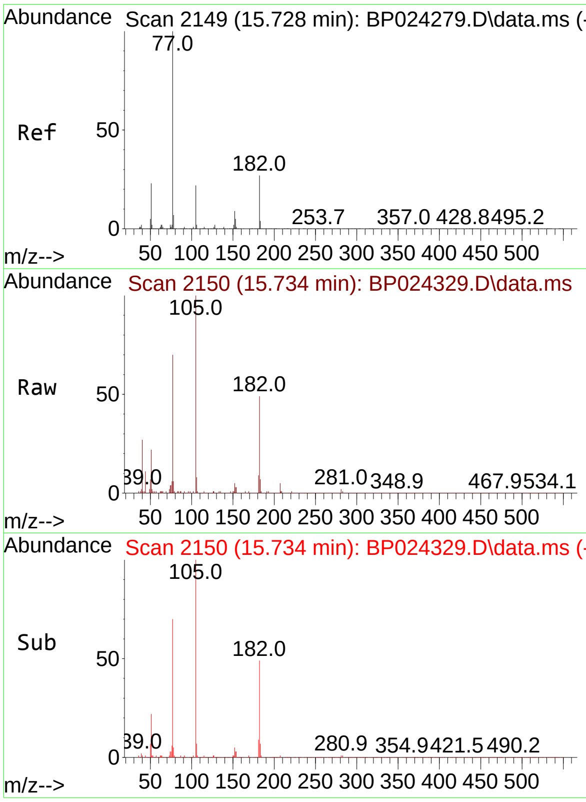


#45
2-Fluorobiphenyl
Concen: 47.594 ng
RT: 12.963 min Scan# 1679
Delta R.T. -0.018 min
Lab File: BP024329.D
Acq: 17 Apr 2025 16:42

Tgt Ion:172 Resp: 478776

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.2	42.2
170	23.3	18.6	27.8



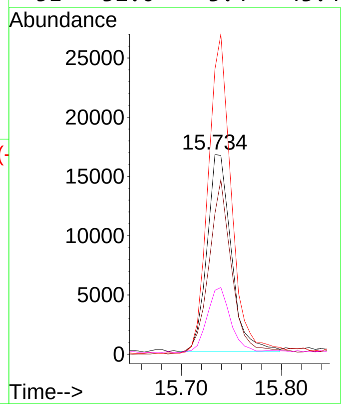


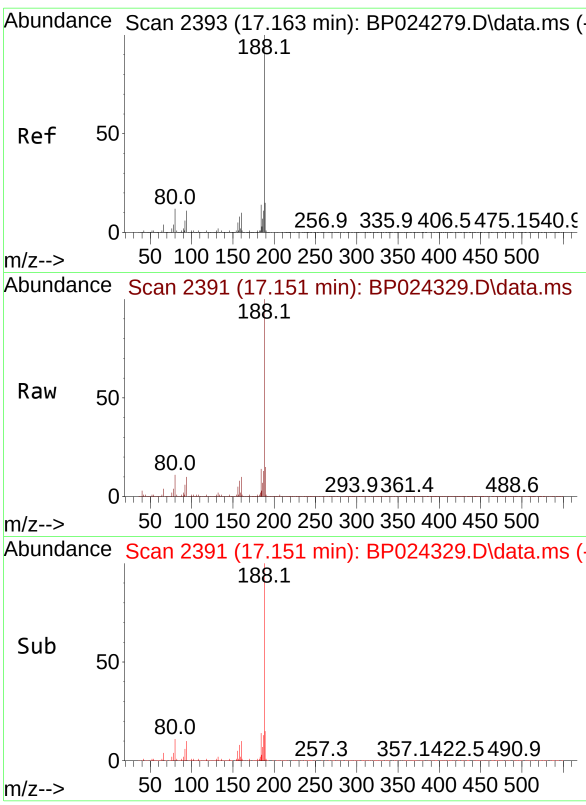
#63
Azobenzene
Concen: 2.642 ng
RT: 15.734 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024329.D
Acq: 17 Apr 2025 16:42

Instrument :
BNA_P
ClientSampleId :
TP-9

Tgt Ion: 77 Resp: 28034

Ion	Ratio	Lower	Upper
77	100		
182	70.4	7.3	47.3#
105	142.7	2.3	42.3#
51	32.0	3.4	43.4

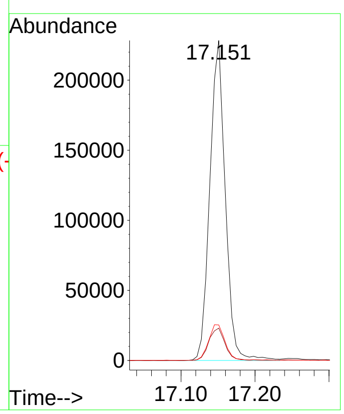


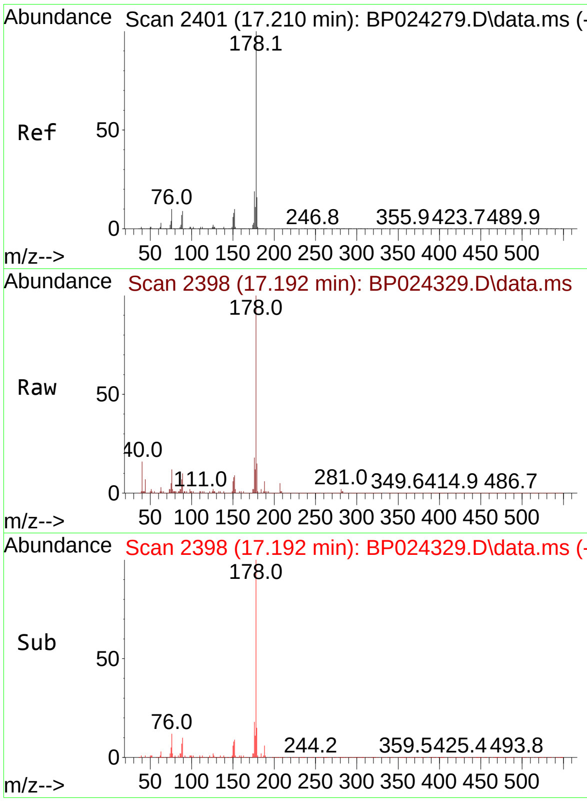


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 2391
Delta R.T. -0.029 min
Lab File: BP024329.D
Acq: 17 Apr 2025 16:42

Tgt Ion:188 Resp: 331253

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.6	13.0
80	11.1	9.8	14.6



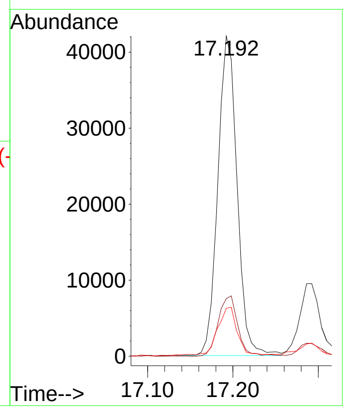


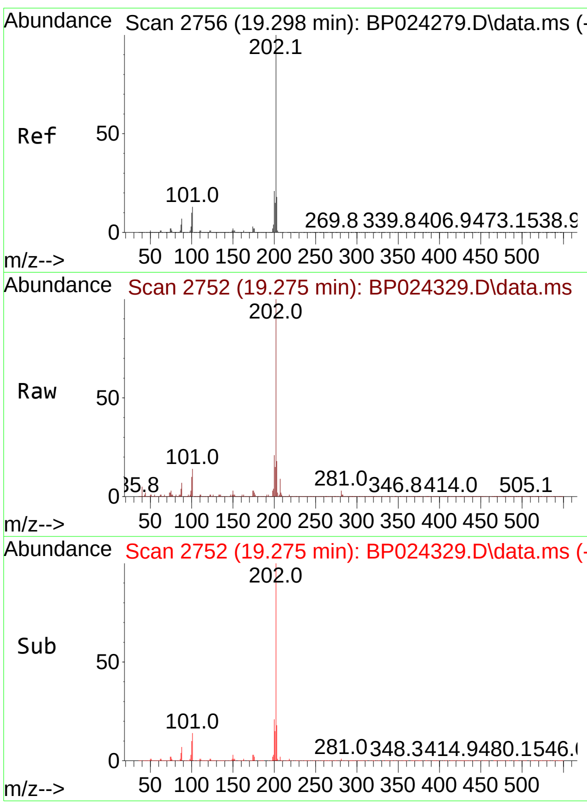
#71
Phenanthrene
Concen: 3.660 ng
RT: 17.192 min Scan# 2[illegible]
Delta R.T. -0.035 min
Lab File: BP024329.D
Acq: 17 Apr 2025 16:42

Instrument :
BNA_P
ClientSampleId :
TP-9

Tgt Ion:178 Resp: 66146

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.0
179	15.0	12.5	18.7

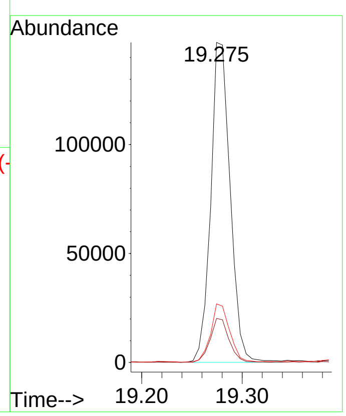


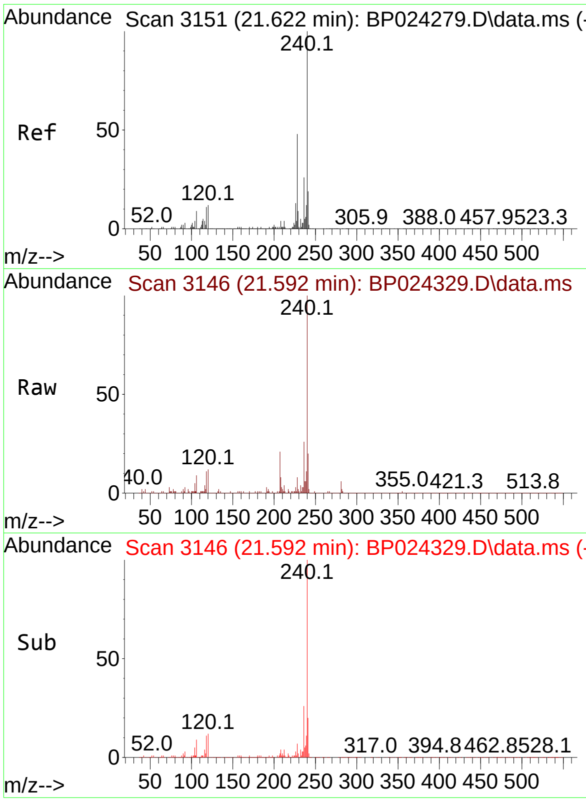


#75
Fluoranthene
Concen: 9.183 ng
RT: 19.275 min Scan# 2752
Delta R.T. -0.041 min
Lab File: BP024329.D
Acq: 17 Apr 2025 16:42

Tgt Ion:202 Resp: 197353

Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	33.2
203	18.3	0.0	37.7



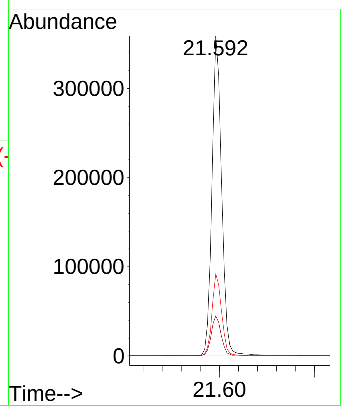


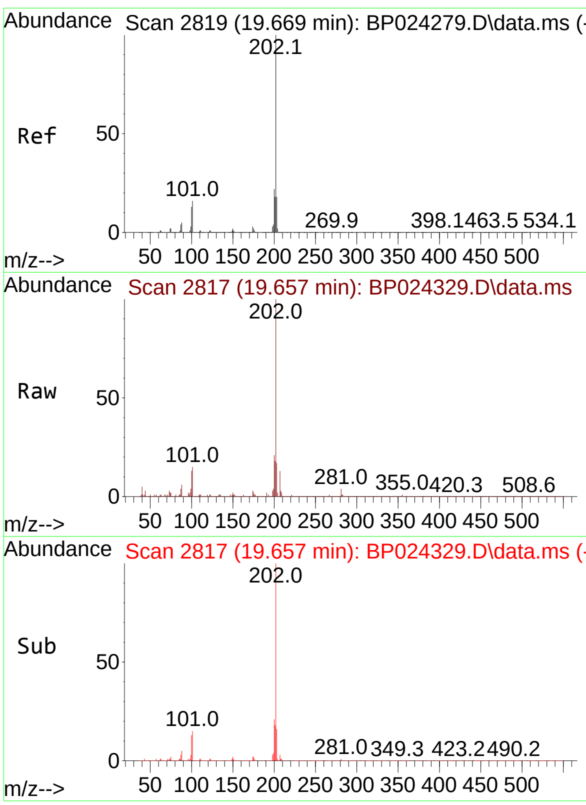
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.592 min Scan# 3
Delta R.T. -0.029 min
Lab File: BP024329.D
Acq: 17 Apr 2025 16:42

Instrument :
BNA_P
ClientSampleId :
TP-9

Tgt Ion:240 Resp: 512037

Ion	Ratio	Lower	Upper
240	100		
120	12.4	9.8	14.8
236	25.6	20.9	31.3

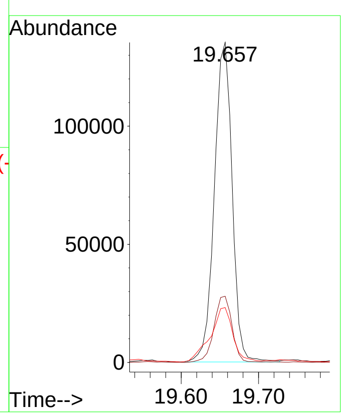


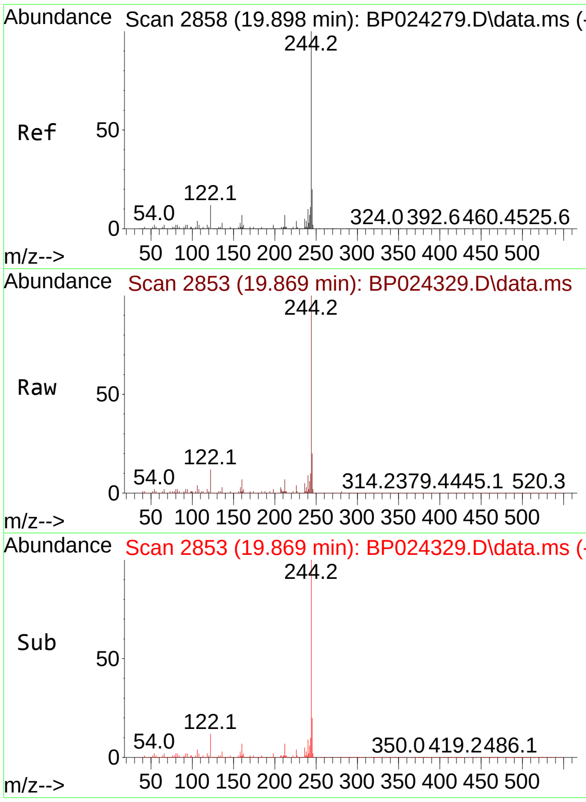


#78
Pyrene
Concen: 6.653 ng
RT: 19.657 min Scan# 2817
Delta R.T. -0.029 min
Lab File: BP024329.D
Acq: 17 Apr 2025 16:42

Tgt Ion:202 Resp: 216495

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.2	25.8
203	17.1	14.4	21.6



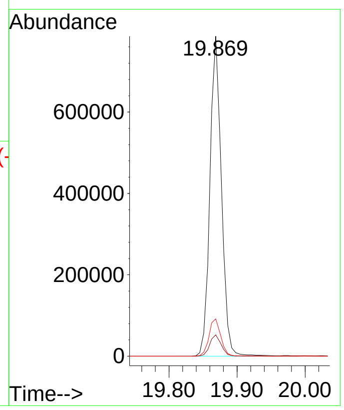


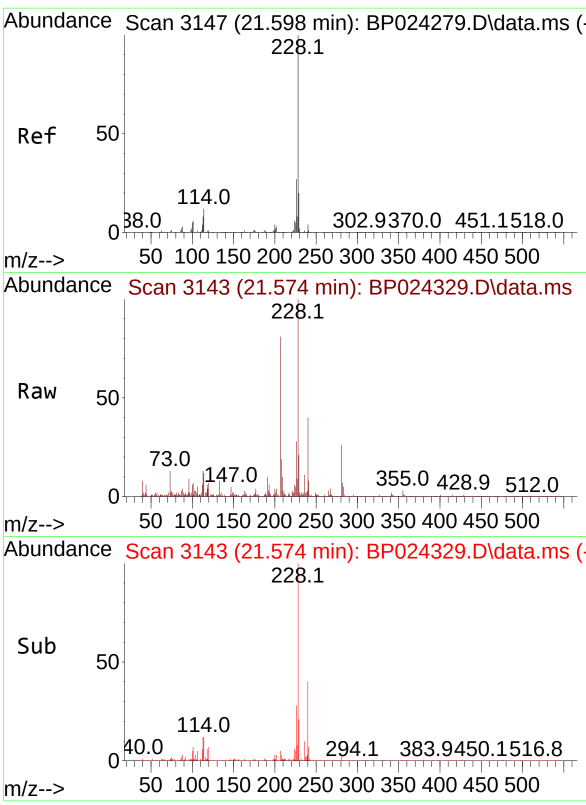
#79
Terphenyl-d14
Concen: 36.416 ng
RT: 19.869 min Scan# 28
Delta R.T. -0.053 min
Lab File: BP024329.D
Acq: 17 Apr 2025 16:42

Instrument :
BNA_P
ClientSampleId :
TP-9

Tgt Ion:244 Resp: 925091

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	11.6	9.4	14.0

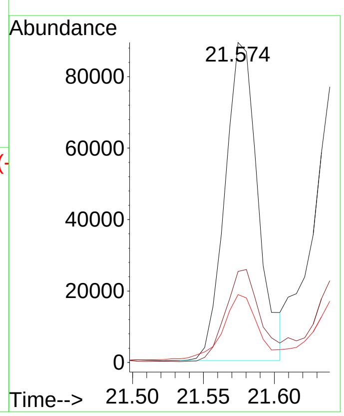


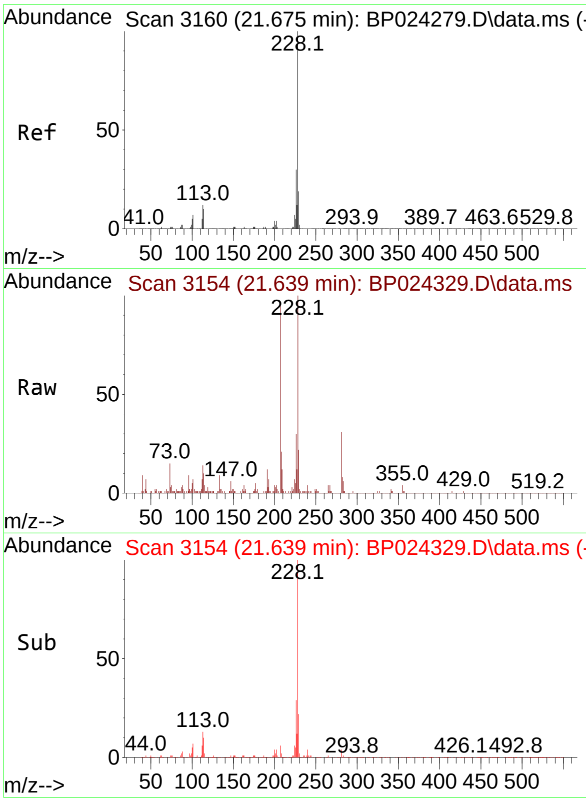


#81
Benzo(a)anthracene
Concen: 4.529 ng
RT: 21.574 min Scan# 3143
Delta R.T. -0.029 min
Lab File: BP024329.D
Acq: 17 Apr 2025 16:42

Tgt Ion:228 Resp: 144139

Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.8	32.8
229	21.2	15.9	23.9

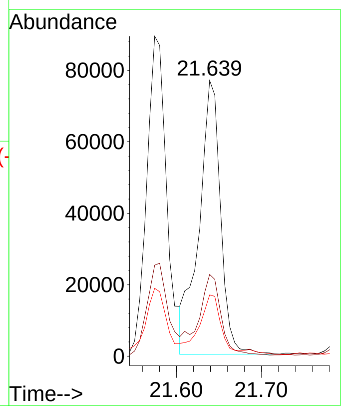


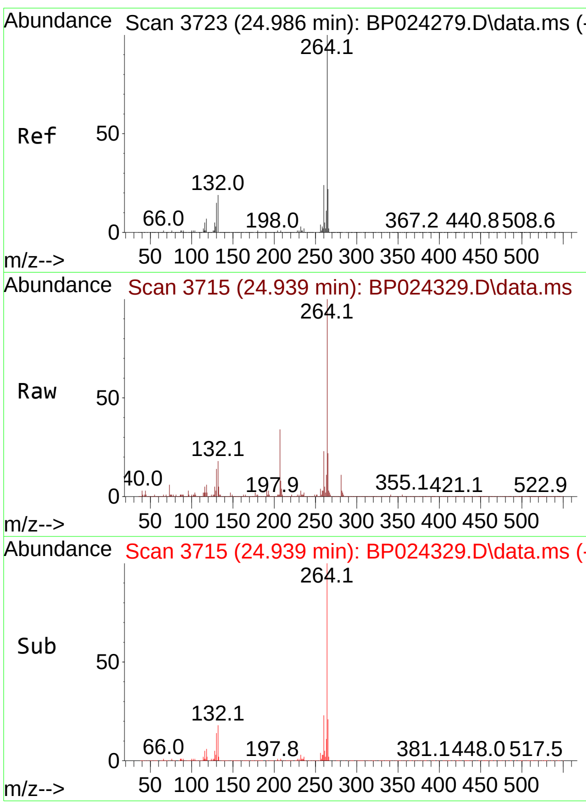



```
#83
Chrysene
Concen:    4.445 ng
RT:  21.639 min  Scan# 3
Delta R.T.   -0.041 min
Lab File:    BP024329.D
Acq: 17 Apr 2025   16:42
```

Instrument :
BNA_P
ClientSampleId :
TP-9

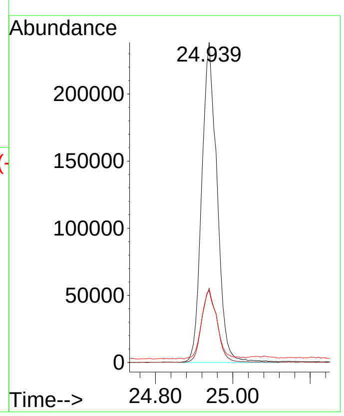
```
Tgt Ion:228 Resp:   135524
Ion   Ratio   Lower   Upper
228   100
226    29.6    24.2    36.2
229    22.2    15.6    23.4
```

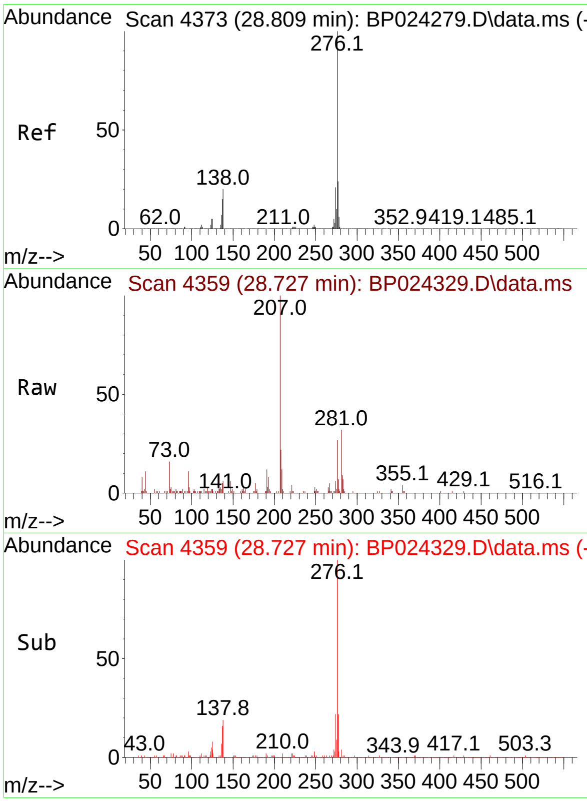





```
#86
Perylene-d12
Concen:   20.000 ng
RT:  24.939 min   Scan# 3715
Delta R.T.   -0.047 min
Lab File:    BP024329.D
Acq: 17 Apr 2025   16:42

Tgt Ion:264 Resp:   655967
Ion   Ratio   Lower   Upper
264   100
260    23.2    18.9    28.3
265    22.5    17.8    26.6
```



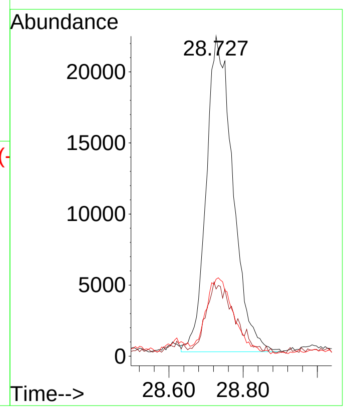


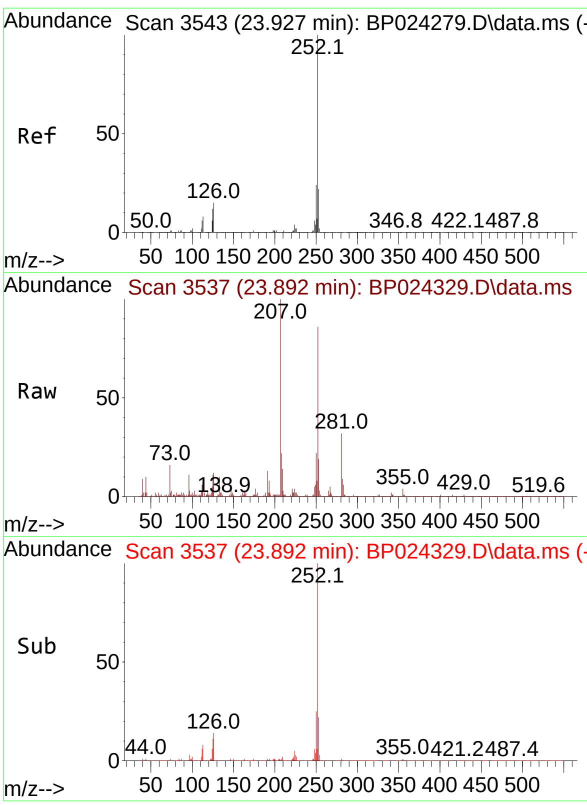
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.444 ng
RT: 28.727 min Scan# 4
Delta R.T. -0.088 min
Lab File: BP024329.D
Acq: 17 Apr 2025 16:42

Instrument :
BNA_P
ClientSampleId :
TP-9

Tgt Ion:276 Resp: 111300

Ion	Ratio	Lower	Upper
276	100		
138	22.4	14.5	21.7#
277	23.3	20.2	30.2

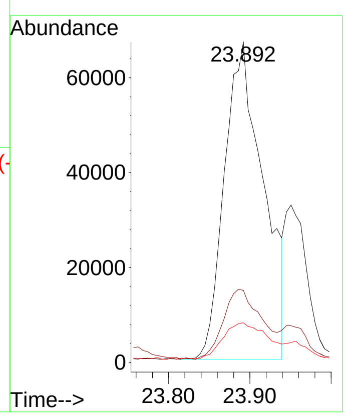


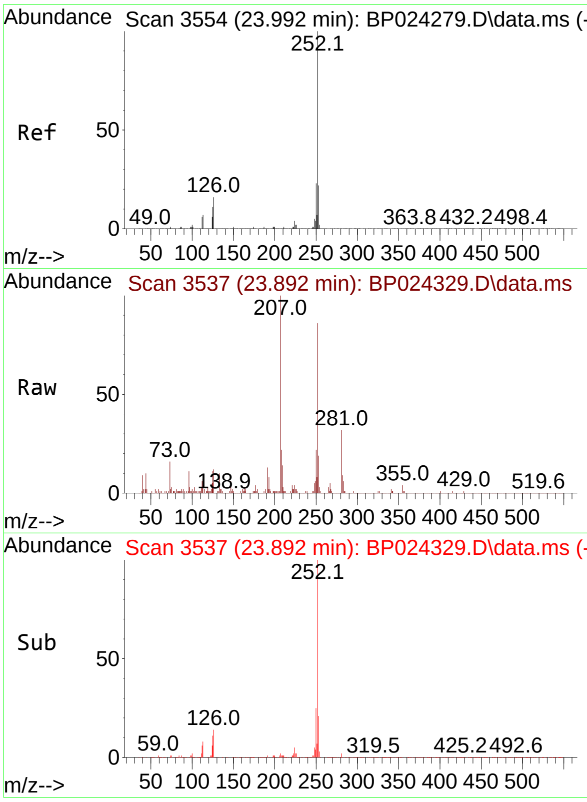


#88
Benzo(b)fluoranthene
Concen: 5.633 ng
RT: 23.892 min Scan# 3537
Delta R.T. -0.041 min
Lab File: BP024329.D
Acq: 17 Apr 2025 16:42

Tgt Ion:252 Resp: 221502

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	12.4	9.4	14.0



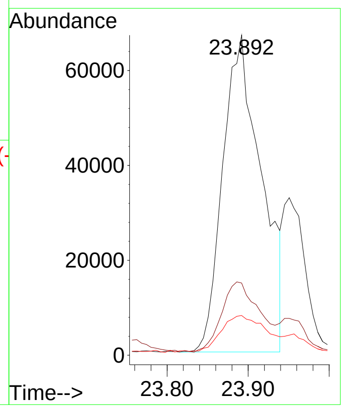


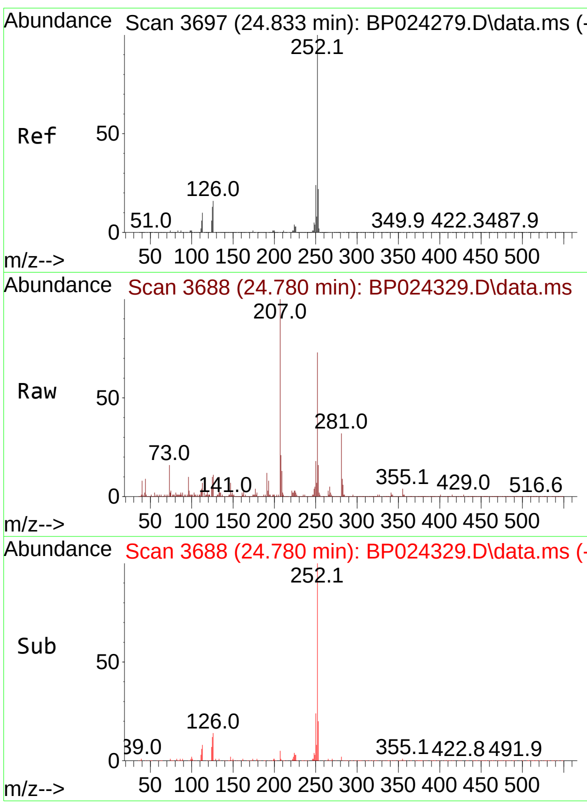
#89
Benzo(k)fluoranthene
Concen: 5.832 ng
RT: 23.892 min Scan# 3
Delta R.T. -0.106 min
Lab File: BP024329.D
Acq: 17 Apr 2025 16:42

Instrument :
BNA_P
ClientSampleId :
TP-9

Tgt Ion:252 Resp: 221502

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	12.4	9.1	13.7

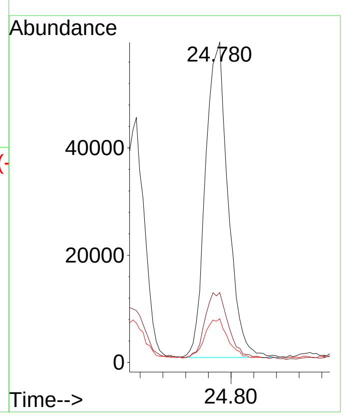


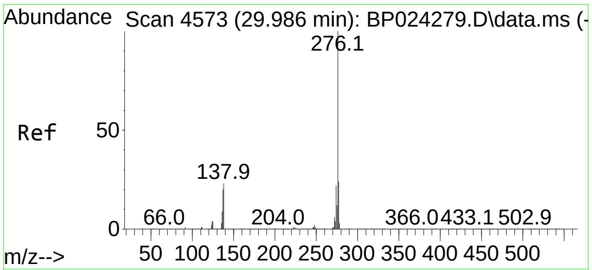


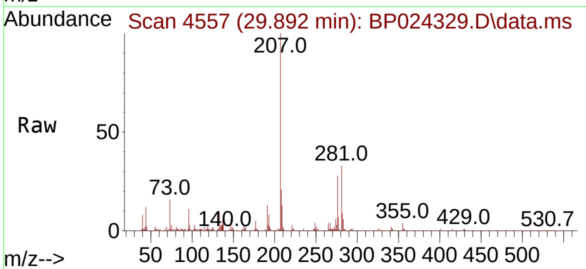
#90
Benzo(a)pyrene
Concen: 4.801 ng
RT: 24.780 min Scan# 3688
Delta R.T. -0.053 min
Lab File: BP024329.D
Acq: 17 Apr 2025 16:42

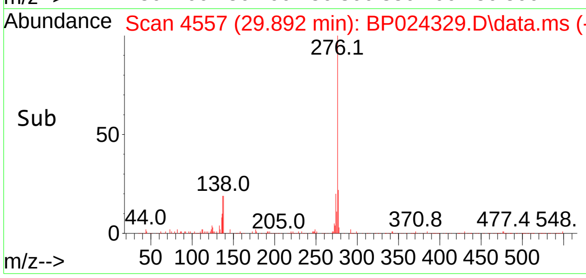
Tgt Ion:252 Resp: 162833

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	13.7	10.1	15.1









#92
Benzo(g,h,i)perylene
Concen: 2.712 ng
RT: 29.892 min Scan# 4!
Delta R.T. -0.106 min
Lab File: BP024329.D
Acq: 17 Apr 2025 16:42

Instrument :
BNA_P
ClientSampleId :
TP-9

Tgt Ion:276 Resp: 104355

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.9	28.3
138	19.9	18.7	28.1