Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110321\
Data File : BP007838.D
Acq On : 03 Nov 2021 23:50
Operator : CG/JU
Sample : M4438-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :

Quant Time: Nov 04 07:34:10 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 02 19:18:55 2021
Response via : Initial Calibration

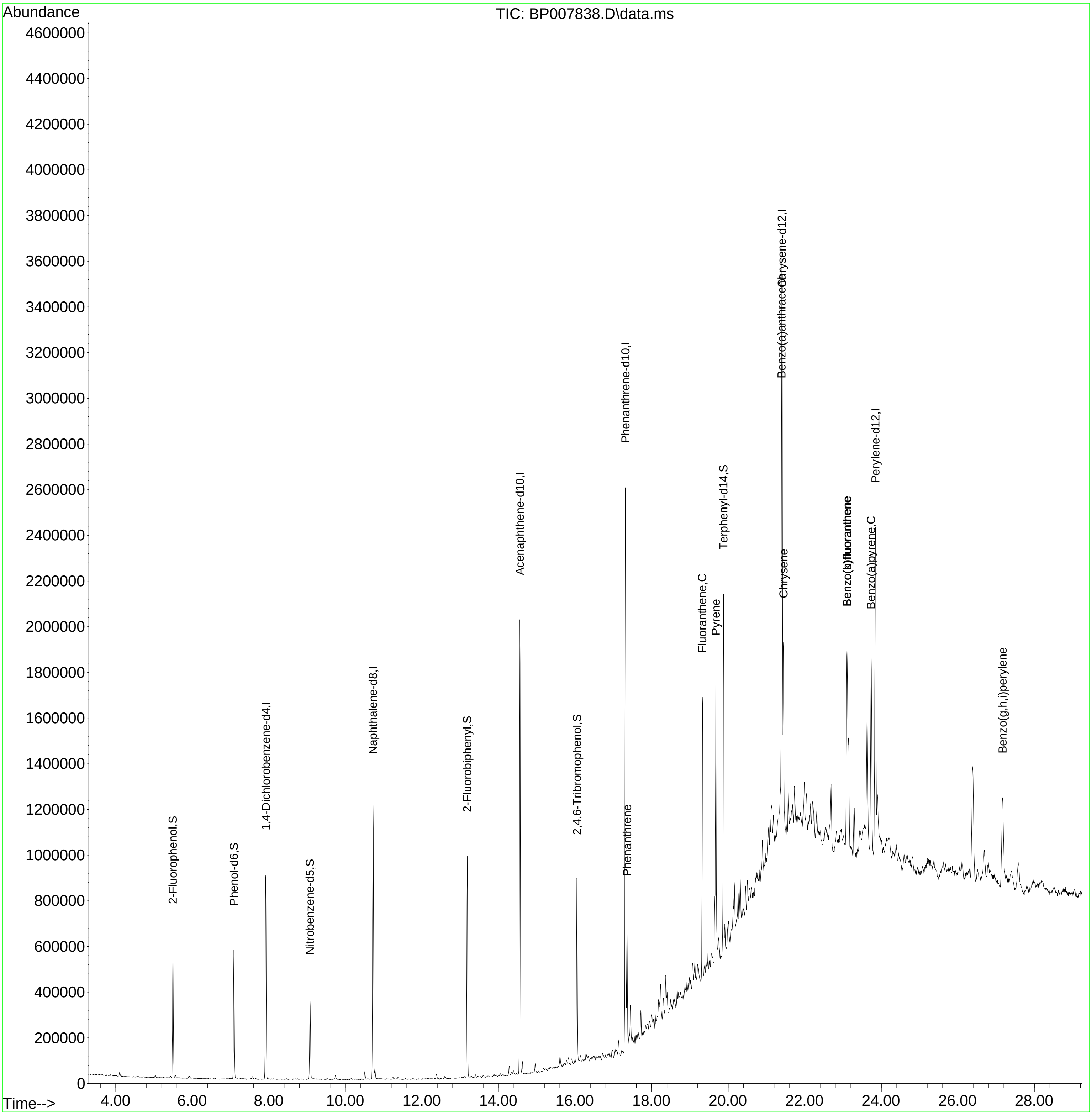
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	7.922	152	251961	20.000 ng	0.00
21) Naphthalene-d8	10.722	136	1020570	20.000 ng	0.00
39) Acenaphthene-d10	14.557	164	696613	20.000 ng	0.00
64) Phenanthrene-d10	17.316	188	1508007	20.000 ng	0.00
76) Chrysene-d12	21.404	240	1181289	20.000 ng	-0.01
86) Perylene-d12	23.845	264	1154851	20.000 ng	0.00
System Monitoring Compounds					
5) 2-Fluorophenol	5.493	112	251113	16.902 ng	0.00
7) Phenol-d6	7.087	99	311918	14.505 ng	0.00
23) Nitrobenzene-d5	9.075	82	198432	10.444 ng	-0.01
42) 2,4,6-Tribromophenol	16.051	330	155061	15.597 ng	0.00
45) 2-Fluorobiphenyl	13.181	172	498164	10.414 ng	-0.01
79) Terphenyl-d14	19.875	244	718862	12.392 ng	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	3.399	88	189	Below Cal	# 32
71) Phenanthrene	17.357	178	332102	4.189 ng	99
75) Fluoranthene	19.322	202	761110	7.611 ng	98
78) Pyrene	19.675	202	758355	10.467 ng	98
81) Benzo(a)anthracene	21.392	228	565428	7.265 ng	95
83) Chrysene	21.445	228	479192	6.504 ng	97
88) Benzo(b)fluoranthene	23.104	252	841658	12.364 ng	96
89) Benzo(k)fluoranthene	23.104	252	841658	12.457 ng	97
90) Benzo(a)pyrene	23.733	252	712014	12.079 ng	97
92) Benzo(g,h,i)perylene	27.168	276	551249	7.788 ng	98

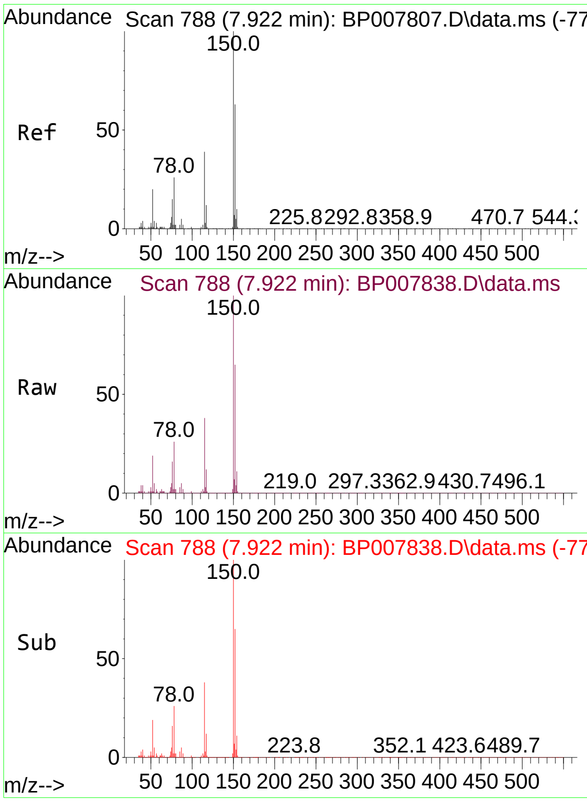
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110321\
Data File : BP007838.D
Acq On    : 03 Nov 2021  23:50
Operator  : CG/JU
Sample    : M4438-01 5X
Misc      :
ALS Vial  : 19   Sample Multiplier: 1

Quant Time: Nov 04 07:34:10 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 02 19:18:55 2021
Response via : Initial Calibration
```

Instrument :
BNA_P
ClientSampleId :



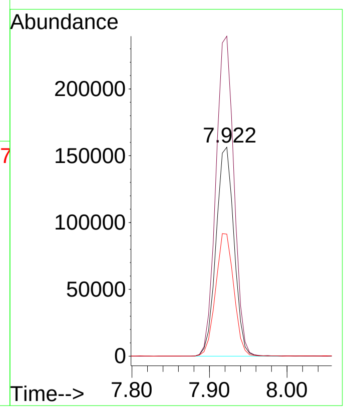


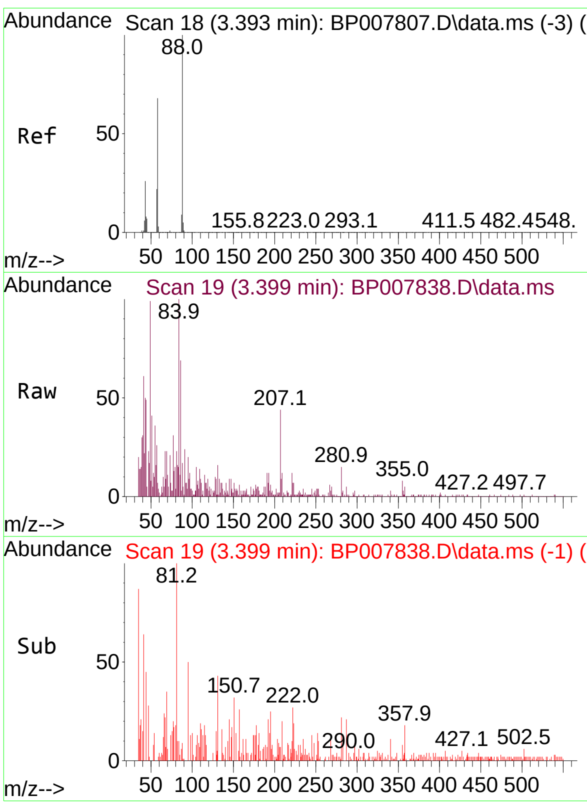
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

Instrument :
BNA_P
ClientSampleId :

Tgt Ion:152 Resp: 251961

Ion	Ratio	Lower	Upper
152	100		
150	153.2	124.1	186.1
115	58.5	48.1	72.1

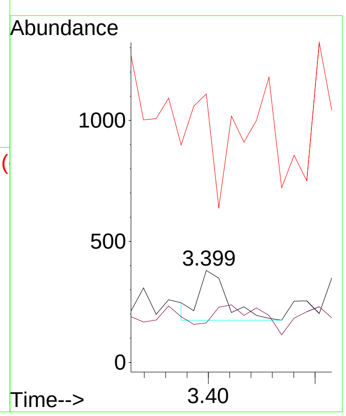


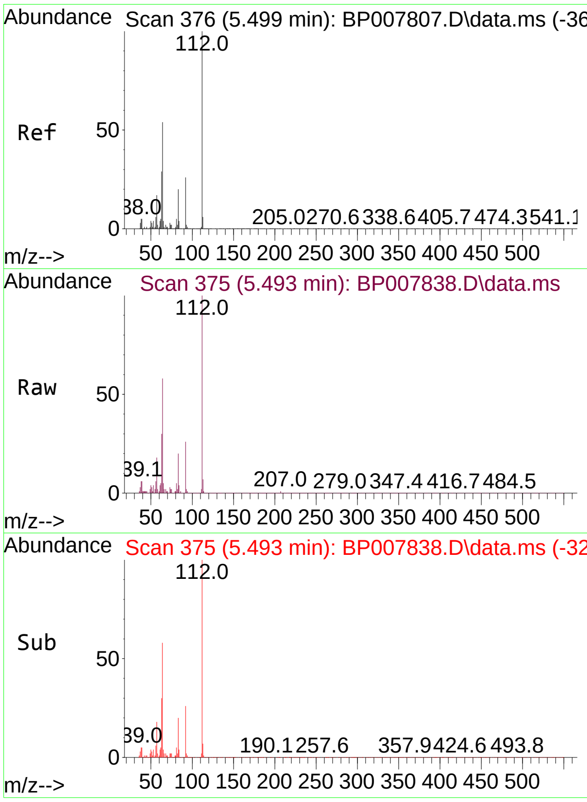


#2
1,4-Dioxane
Concen: Below Cal
RT: 3.399 min Scan# 19
Delta R.T. 0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

Tgt Ion: 88 Resp: 189

Ion	Ratio	Lower	Upper
88	100		
58	134.4	58.1	87.1#
43	0.0	22.2	33.4#



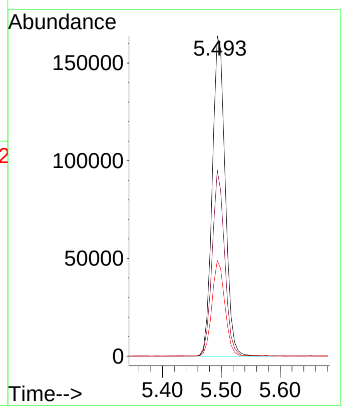


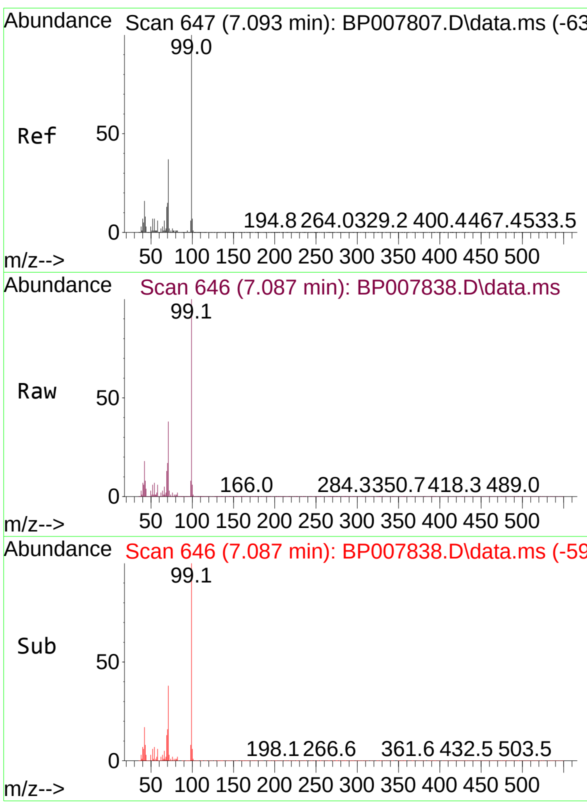
#5
2-Fluorophenol
Concen: 16.902 ng
RT: 5.493 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

Instrument :
BNA_P
ClientSampleId :

Tgt Ion:112 Resp: 251113

Ion	Ratio	Lower	Upper
112	100		
64	58.0	46.6	70.0
63	29.9	25.0	37.6

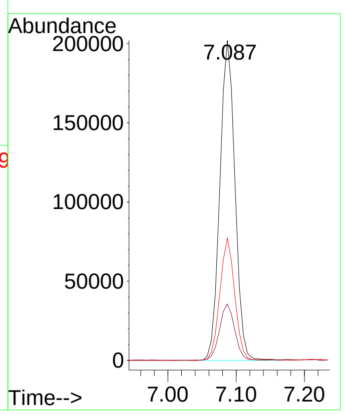


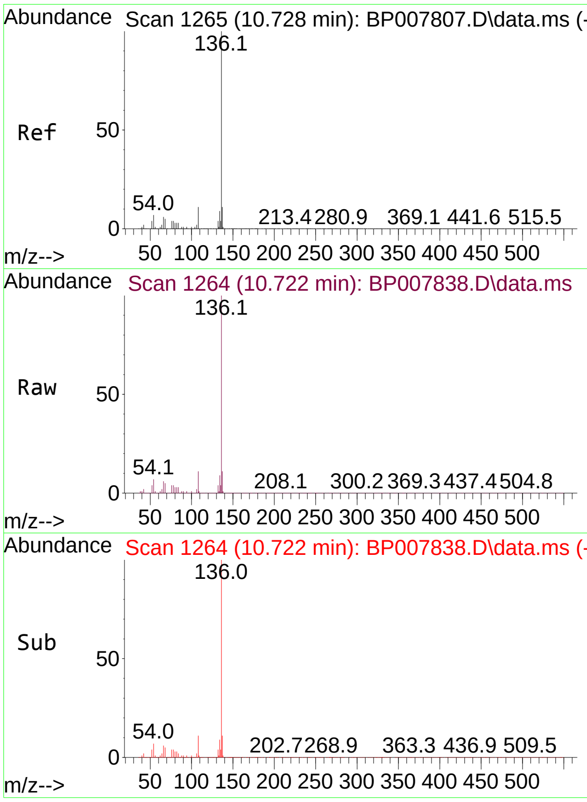


#7
Phenol-d6
Concen: 14.505 ng
RT: 7.087 min Scan# 646
Delta R.T. -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

Tgt Ion: 99 Resp: 311918

Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.9	22.3
71	38.2	29.2	43.8



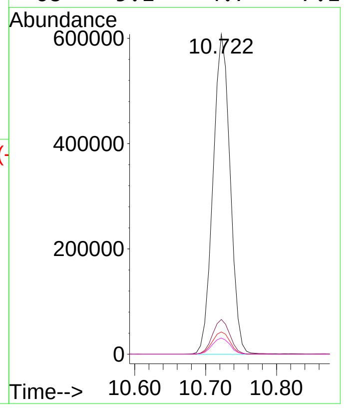


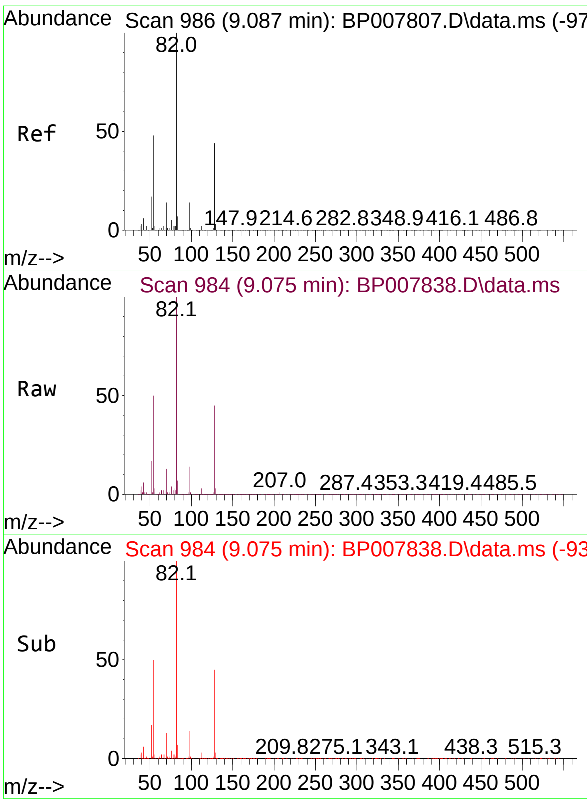
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

Instrument :
BNA_P
ClientSampleId :

Tgt Ion:136 Resp: 1020570

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	7.0	6.2	9.4
68	5.1	4.7	7.1

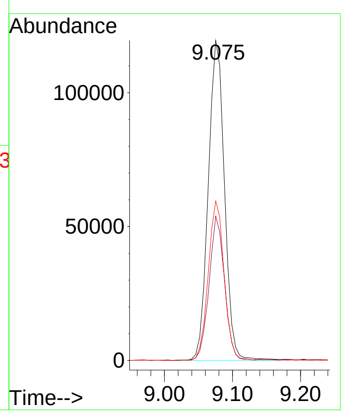


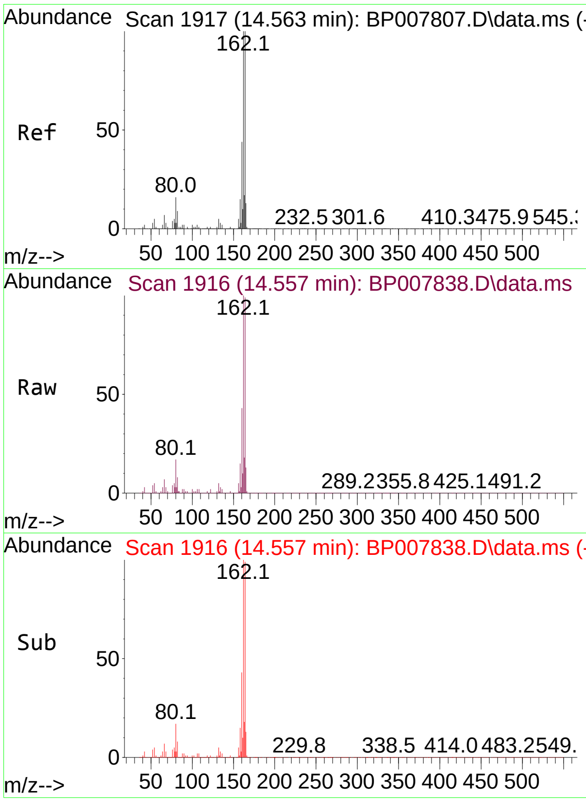


#23
Nitrobenzene-d5
Concen: 10.444 ng
RT: 9.075 min Scan# 984
Delta R.T. -0.012 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

Tgt Ion: 82 Resp: 198432

Ion	Ratio	Lower	Upper
82	100		
128	45.1	32.6	48.8
54	49.8	40.4	60.6





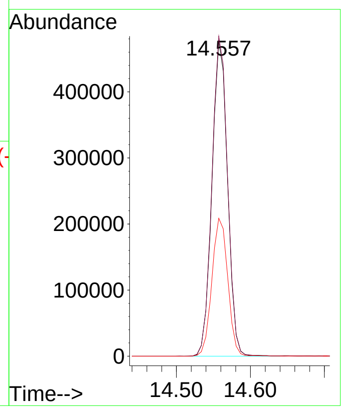
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.557 min   Scan# 1

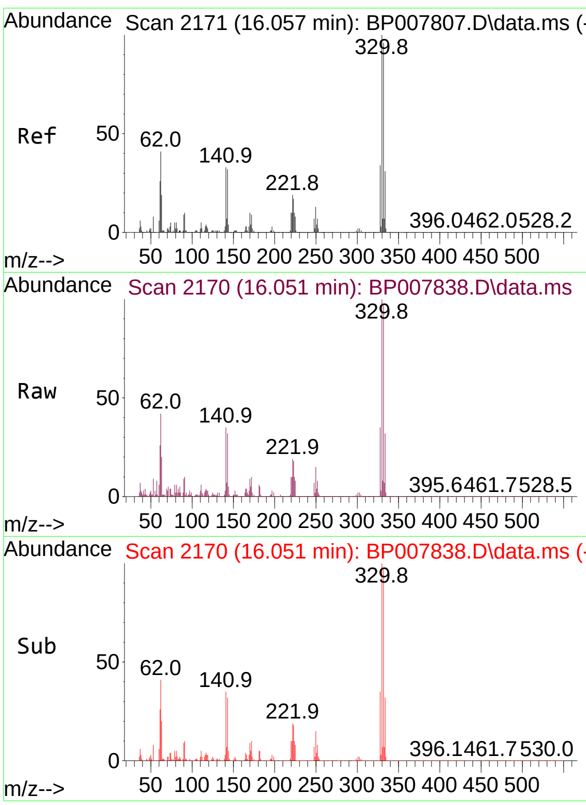
Instrument :
BNA_P
ClientSampleId :

Delta R.T.   -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021   23:50

Tgt Ion:164 Resp: 696613

Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.1	121.7
160	43.7	36.0	54.0

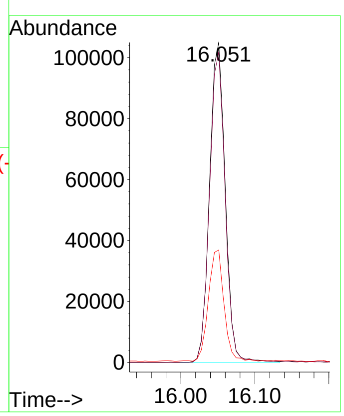


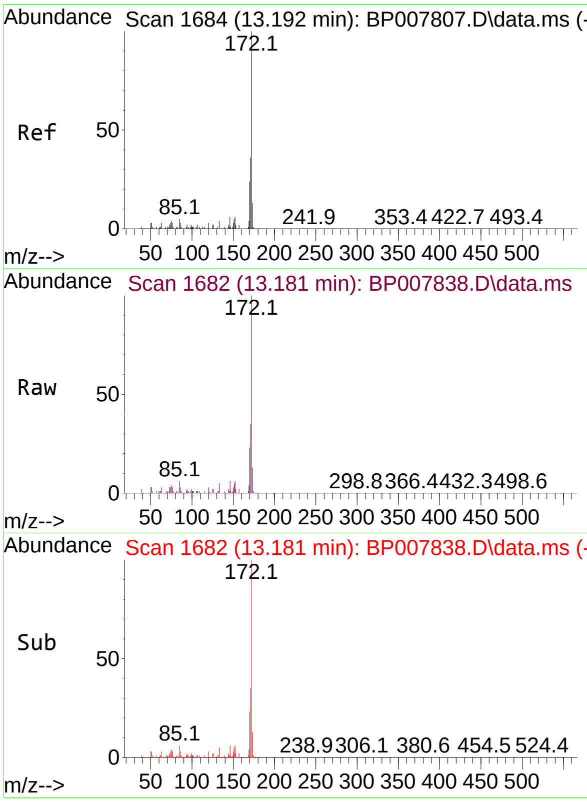


#42
2,4,6-Tribromophenol
Concen: 15.597 ng
RT: 16.051 min   Scan# 2170
Delta R.T.   -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021   23:50

Tgt Ion:330 Resp: 155061

Ion	Ratio	Lower	Upper
330	100		
332	95.8	78.9	118.3
141	34.6	30.7	46.1



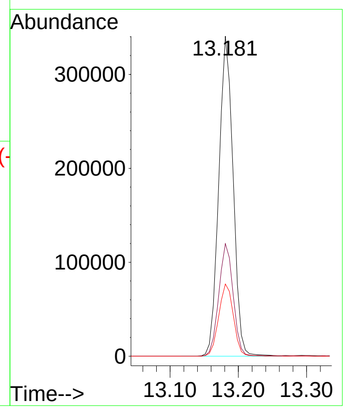


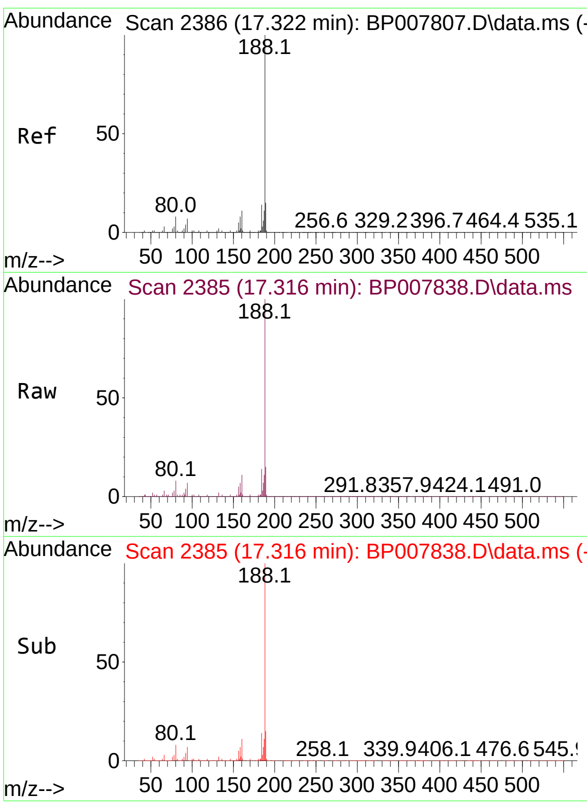
#45
2-Fluorobiphenyl
Concen: 10.414 ng
RT: 13.181 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

Instrument :
BNA_P
ClientSampleId :

Tgt Ion:172 Resp: 498164

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.2
170	22.5	19.0	28.4

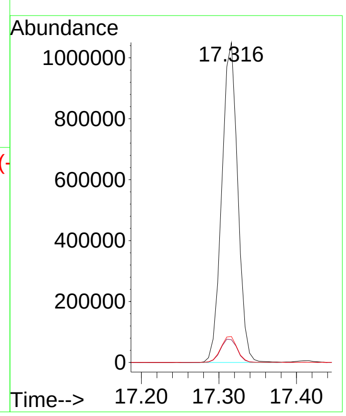


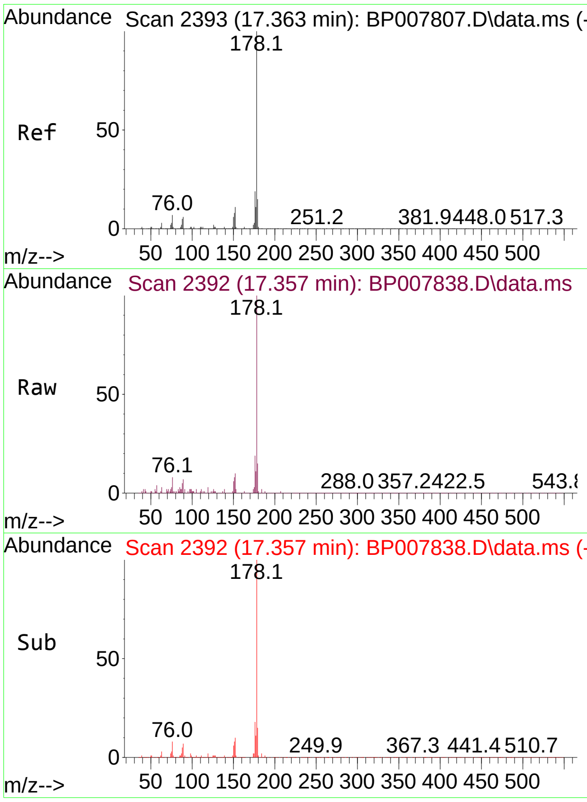


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.316 min Scan# 2385
Delta R.T. -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

Tgt Ion:188 Resp: 1508007

Ion	Ratio	Lower	Upper
188	100		
94	7.1	7.1	10.7
80	8.1	7.8	11.6



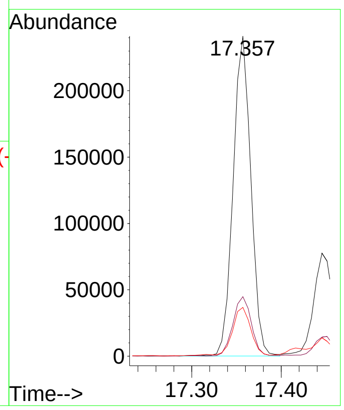


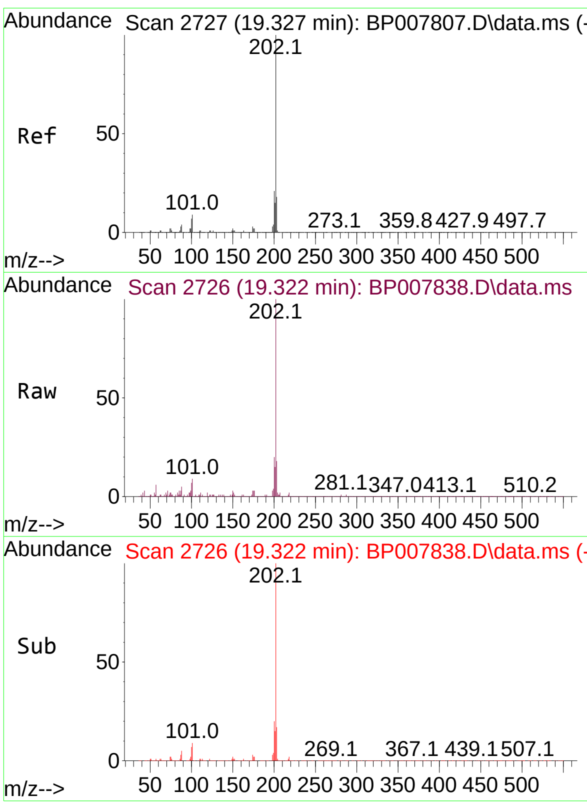
#71
Phenanthrene
Concen: 4.189 ng
RT: 17.357 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

Instrument :
BNA_P
ClientSampleId :

Tgt Ion:178 Resp: 332102

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	15.2	12.3	18.5

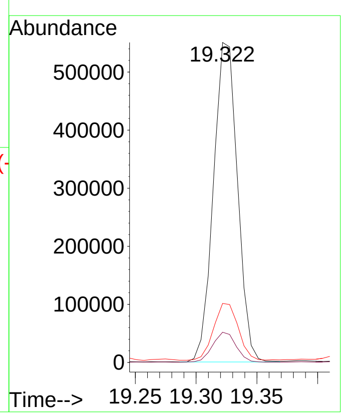


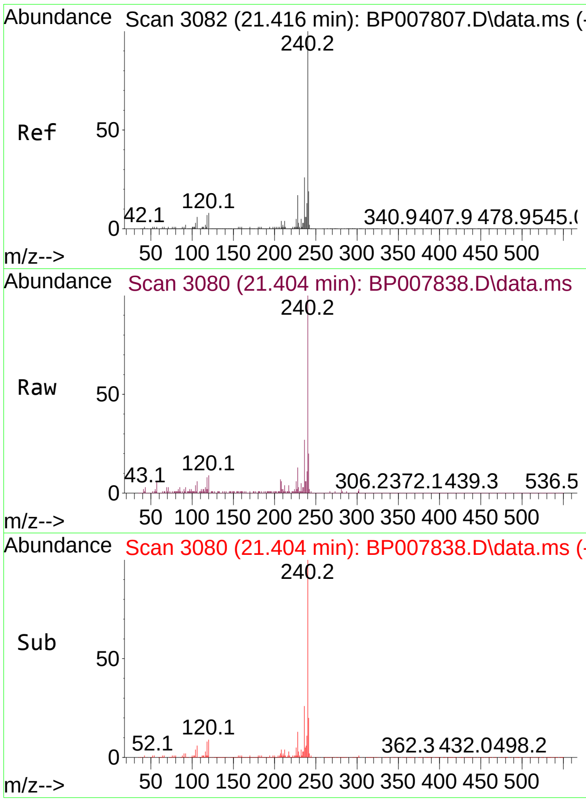


#75
Fluoranthene
Concen: 7.611 ng
RT: 19.322 min Scan# 2726
Delta R.T. -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

Tgt Ion:202 Resp: 761110

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	30.4
203	18.5	0.0	37.6



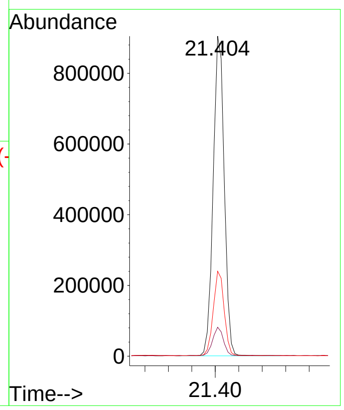


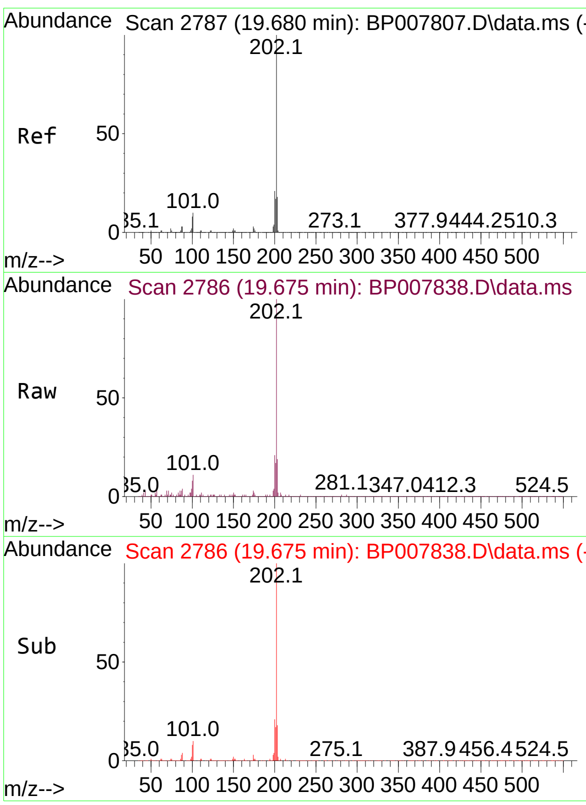
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.404 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

Instrument :
BNA_P
ClientSampleId :

Tgt Ion:240 Resp: 1181289

Ion	Ratio	Lower	Upper
240	100		
120	9.0	7.8	11.8
236	26.5	20.6	30.8

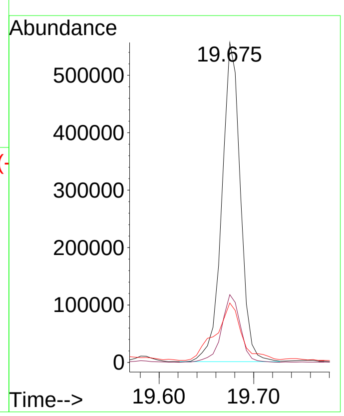


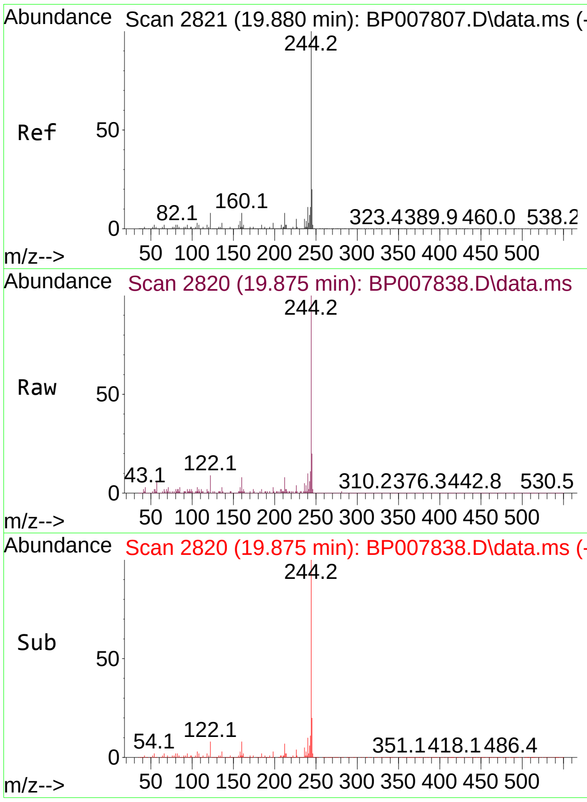


#78
Pyrene
Concen: 10.467 ng
RT: 19.675 min Scan# 2786
Delta R.T. -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

Tgt Ion:202 Resp: 758355

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.9	25.3
203	18.6	13.8	20.6



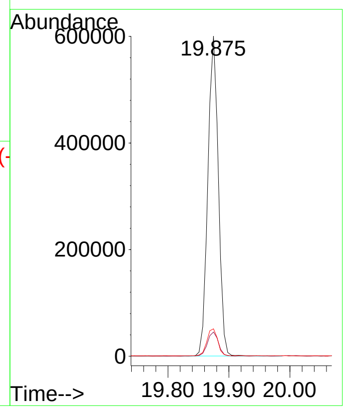


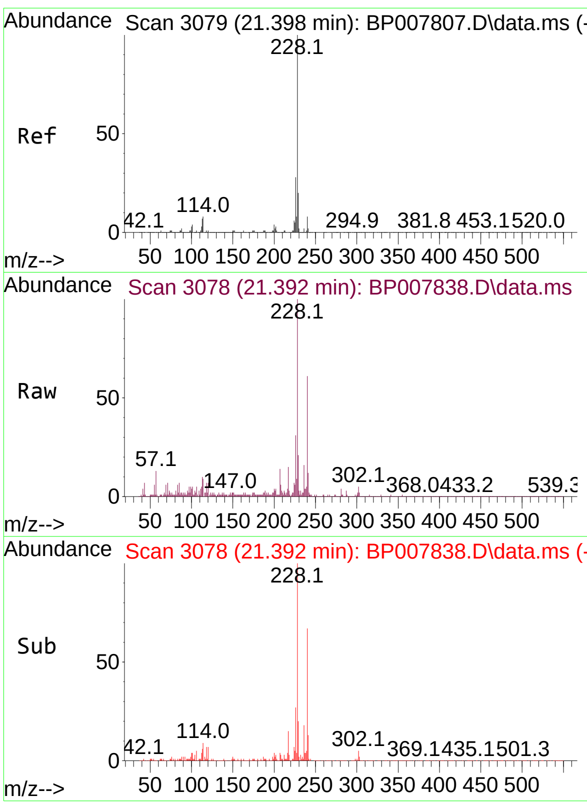
#79
Terphenyl-d14
Concen: 12.392 ng
RT: 19.875 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

Instrument :
BNA_P
ClientSampleId :

Tgt Ion:244 Resp: 718862

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	8.6	7.8	11.8

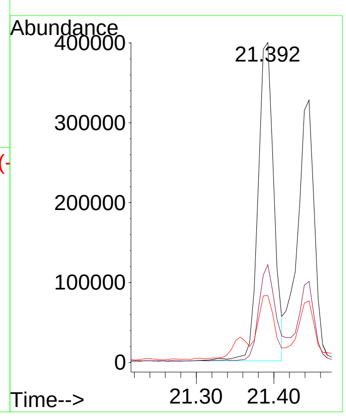


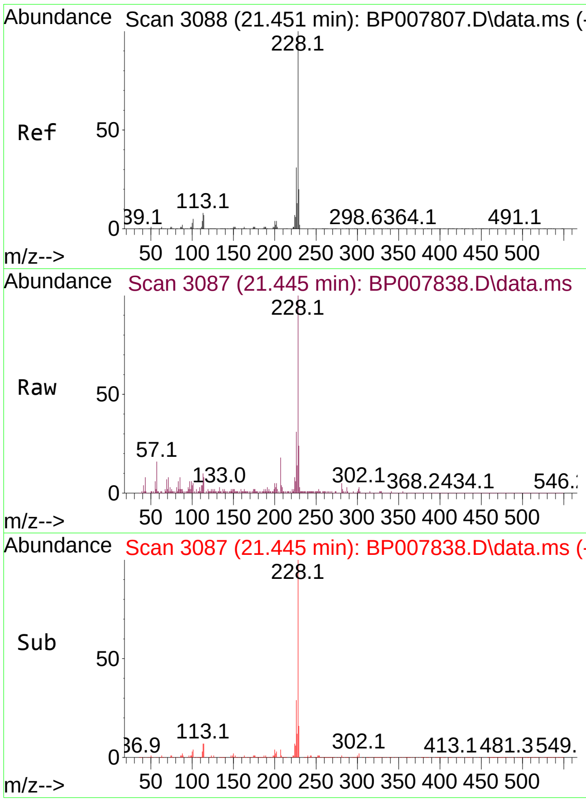


#81
Benzo(a)anthracene
Concen: 7.265 ng
RT: 21.392 min Scan# 3078
Delta R.T. -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

Tgt Ion:228 Resp: 565428

Ion	Ratio	Lower	Upper
228	100		
226	30.6	21.8	32.6
229	20.9	15.7	23.5



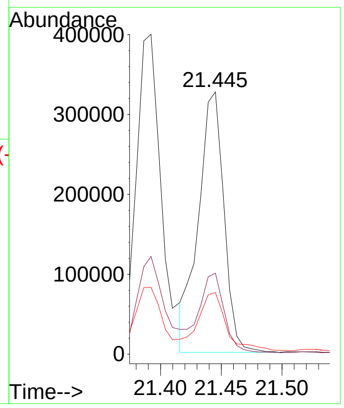


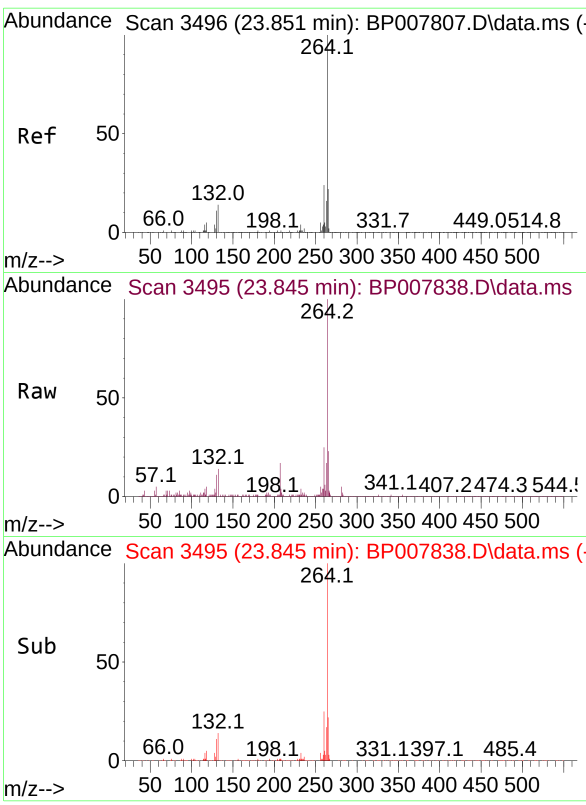
#83
Chrysene
Concen: 6.504 ng
RT: 21.445 min Scan# 30
Delta R.T. -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

Instrument :
BNA_P
ClientSampleId :

Tgt Ion:228 Resp: 479192

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.6	37.0
229	23.5	15.7	23.5

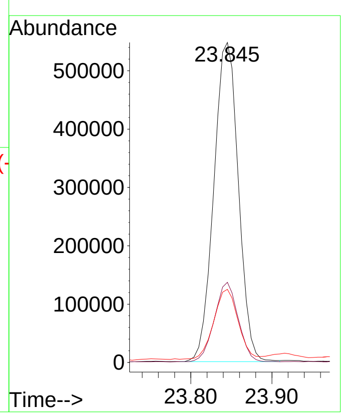


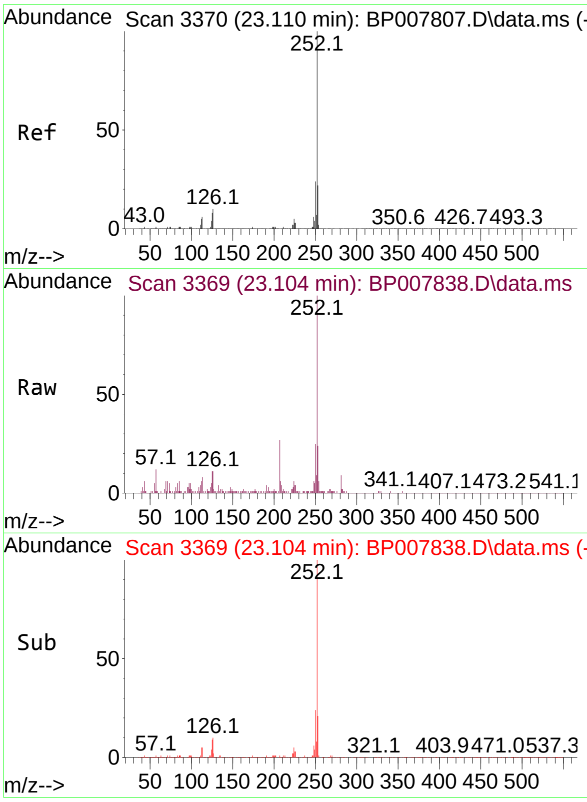


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.845 min Scan# 3495
Delta R.T. -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

Tgt Ion:264 Resp: 1154851

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.1	28.7
265	22.8	16.7	25.1



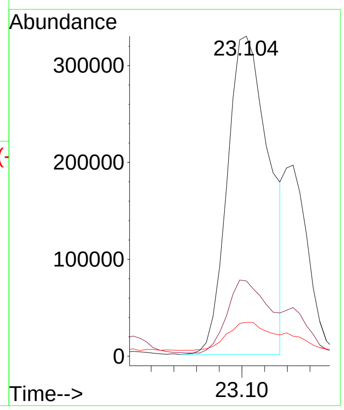


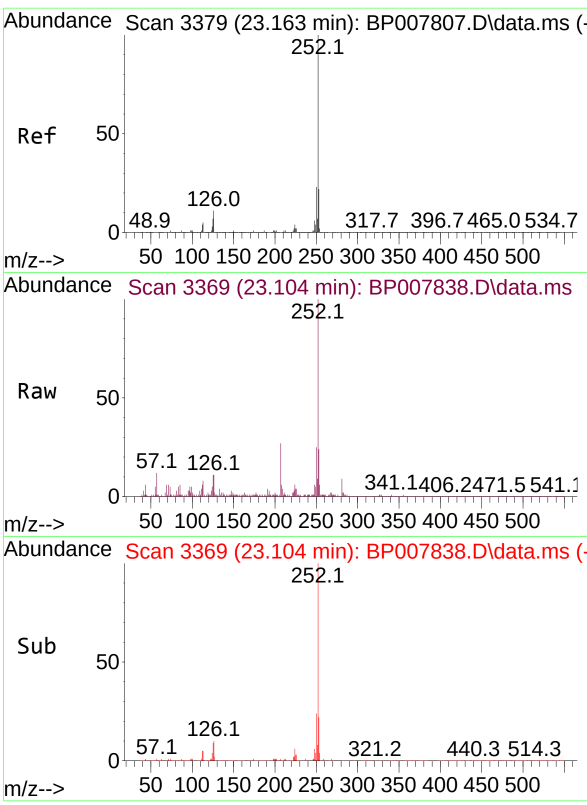
#88
Benzo(b)fluoranthene
Concen: 12.364 ng
RT: 23.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

Instrument :
BNA_P
ClientSampleId :

Tgt Ion:252 Resp: 841658

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.2
125	10.5	7.4	11.0

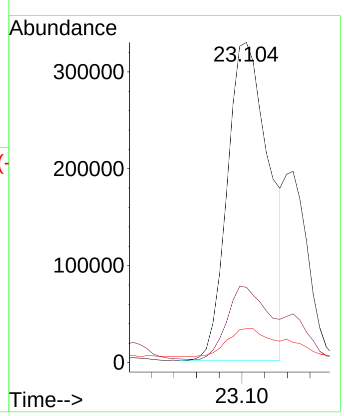


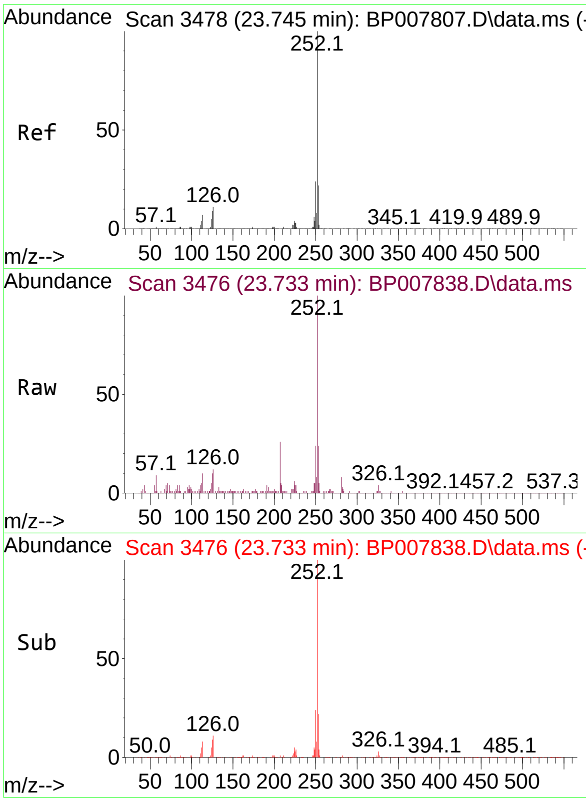


#89
Benzo(k)fluoranthene
Concen: 12.457 ng
RT: 23.104 min Scan# 3369
Delta R.T. -0.059 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

Tgt Ion:252 Resp: 841658

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	10.5	7.4	11.0



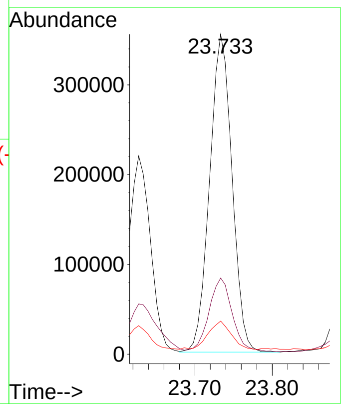


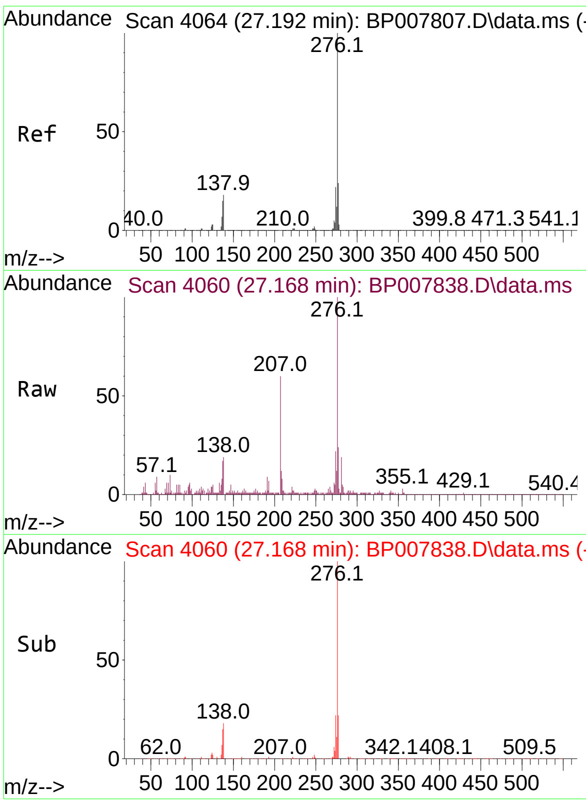
#90
Benzo(a)pyrene
Concen: 12.079 ng
RT: 23.733 min Scan# 34
Delta R.T. -0.012 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

Instrument :
BNA_P
ClientSampleId :

Tgt Ion:252 Resp: 712014

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	10.4	8.4	12.6





#92
Benzo(g,h,i)perylene
Concen: 7.788 ng
RT: 27.168 min Scan# 4060
Delta R.T. -0.023 min
Lab File: BP007838.D
Acq: 03 Nov 2021 23:50

Tgt Ion:276 Resp: 551249

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.0
138	18.5	16.2	24.4