Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020924\
Data File : BP019653.D
Acq On : 10 Feb 2024 02:56
Operator : MA/JU
Sample : P1378-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-4

Quant Time: Feb 10 03:30:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 01 00:51:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	98604	20.000	ng	-0.01
21) Naphthalene-d8	10.704	136	349056	20.000	ng	-0.01
39) Acenaphthene-d10	14.539	164	191288	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	388038	20.000	ng	0.00
76) Chrysene-d12	21.386	240	457317	20.000	ng	0.00
86) Perylene-d12	23.809	264	553514	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	502488	82.144	ng	0.00
7) Phenol-d6	7.081	99	730793	88.601	ng	0.00
23) Nitrobenzene-d5	9.075	82	481878	59.820	ng	-0.01
42) 2,4,6-Tribromophenol	16.033	330	337063	120.684	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	1091558	70.544	ng	-0.01
79) Terphenyl-d14	19.862	244	1773294	63.769	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	19.304	202	66231	2.655	ng	99
78) Pyrene	19.657	202	90726	2.811	ng	99
81) Benzo(a)anthracene	21.374	228	66024	2.051	ng	95
83) Chrysene	21.421	228	68018m	2.225	ng	
88) Benzo(b)fluoranthene	23.068	252	91121m	2.612	ng	
90) Benzo(a)pyrene	23.698	252	73992	2.384	ng	93

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

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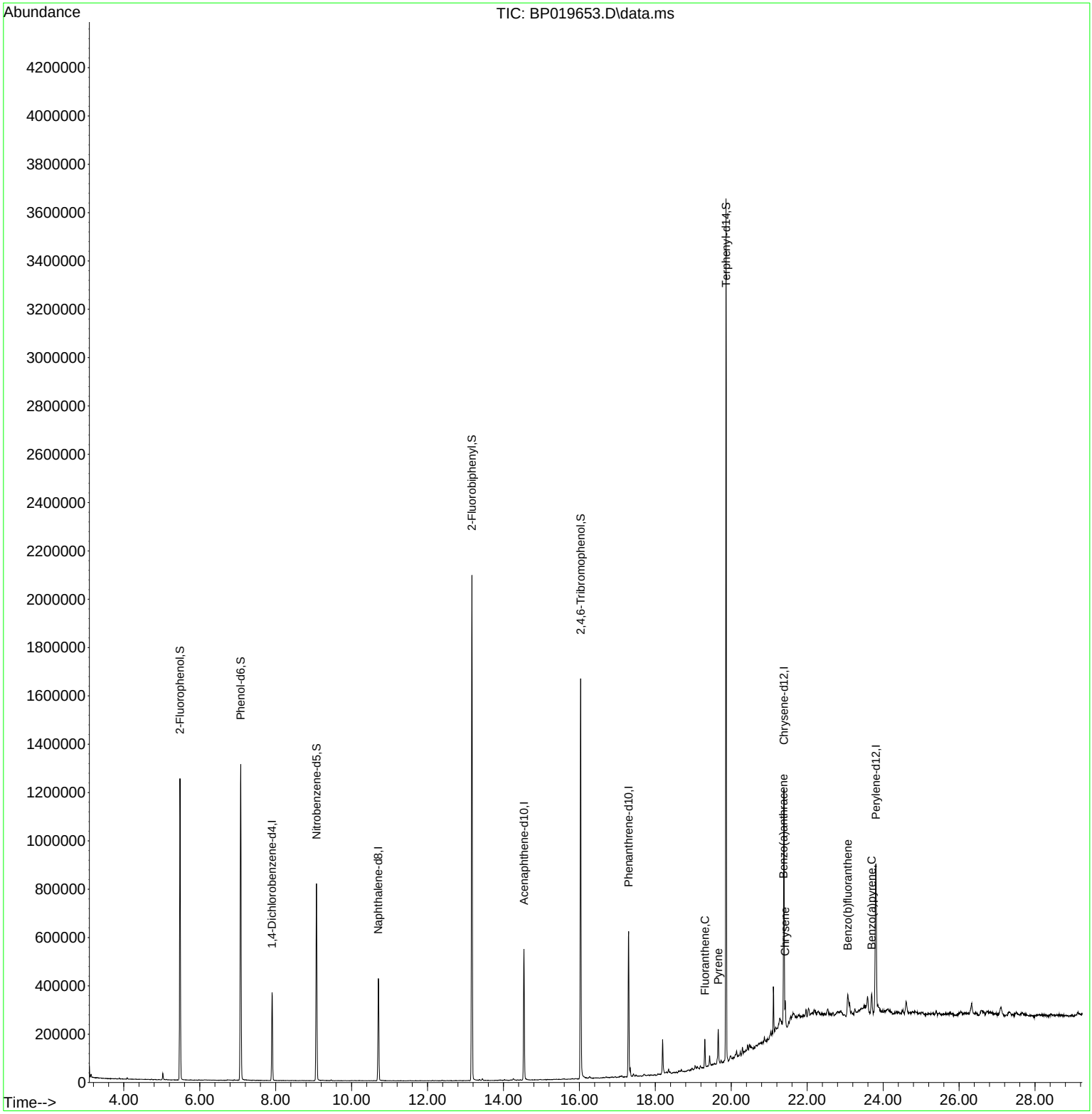
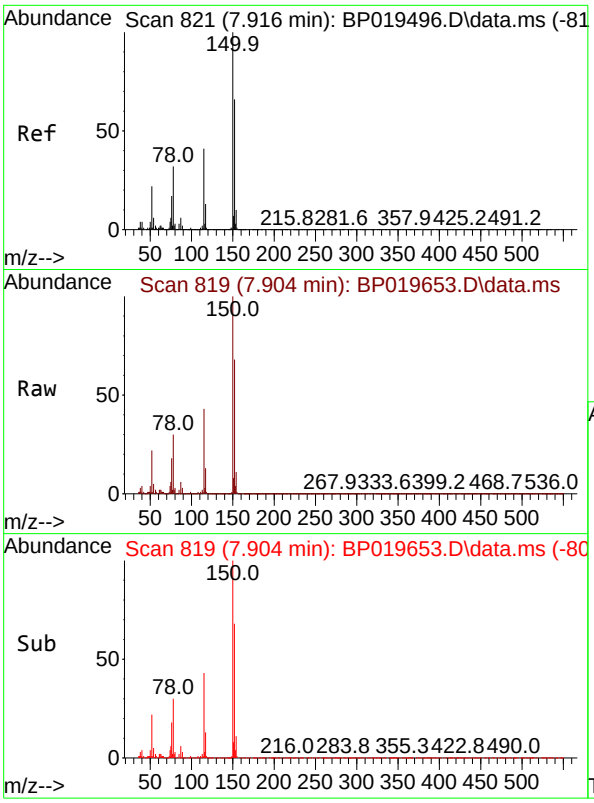


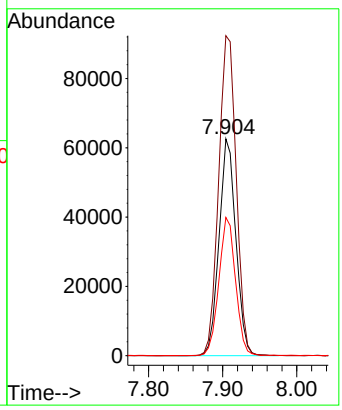


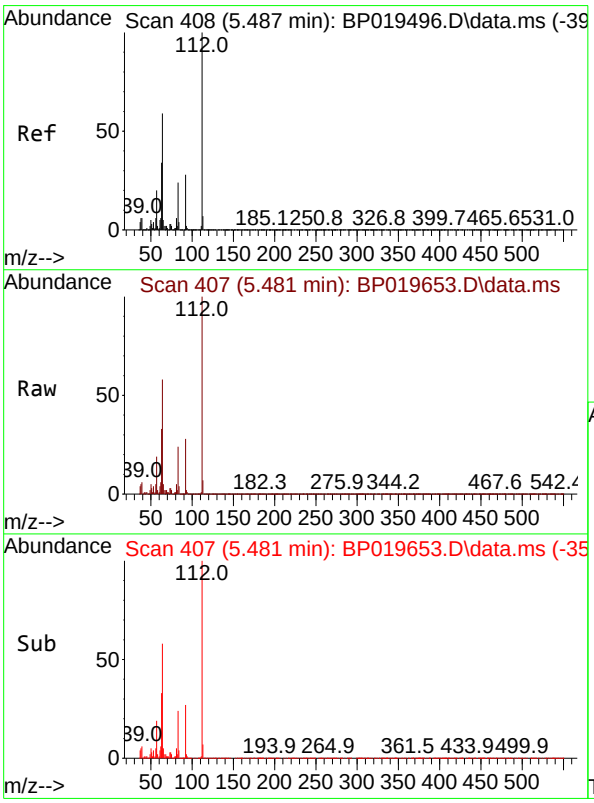
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.904 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP019653.D
Acq: 10 Feb 2024 02:56

Instrument :
BNA_P
ClientSampleId :
TP-4

Tgt Ion:152 Resp: 98604

Ion	Ratio	Lower	Upper
152	100		
150	147.6	121.8	182.8
115	63.8	49.9	74.9

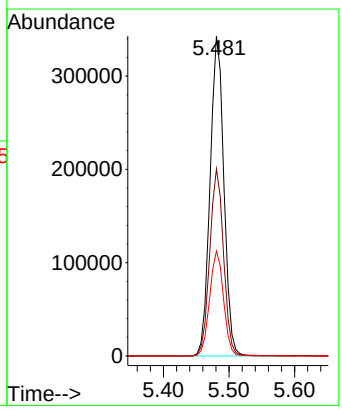


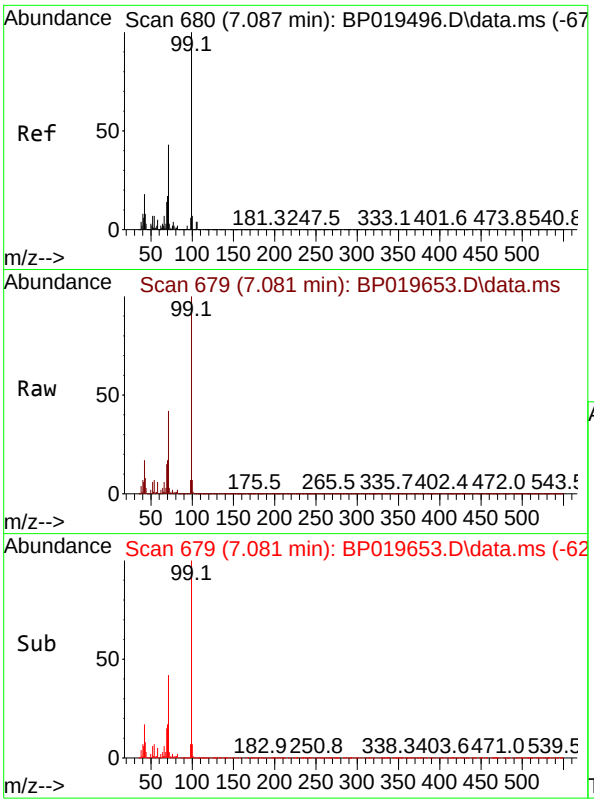


#5
2-Fluorophenol
Concen: 82.144 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.006 min
Lab File: BP019653.D
Acq: 10 Feb 2024 02:56

Tgt Ion:112 Resp: 502488

Ion	Ratio	Lower	Upper
112	100		
64	58.5	47.4	71.0
63	32.8	27.0	40.6



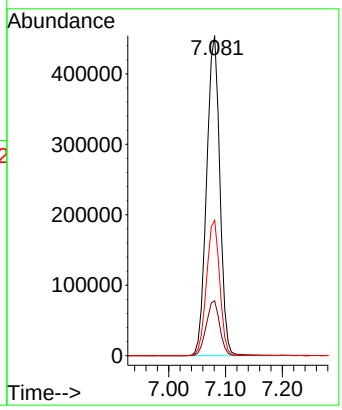


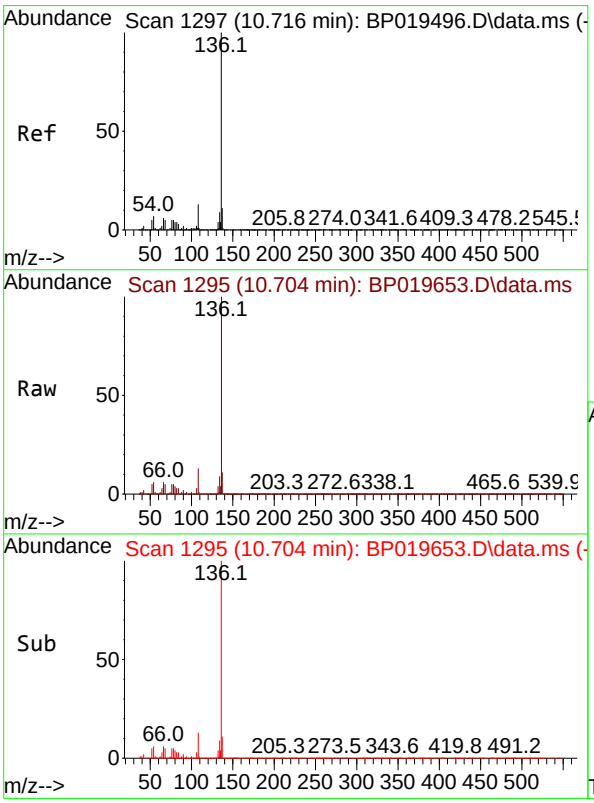
#7
Phenol-d6
Concen: 88.601 ng
RT: 7.081 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP019653.D
Acq: 10 Feb 2024 02:56

Instrument :
BNA_P
ClientSampleId :
TP-4

Tgt Ion: 99 Resp: 730793

Ion	Ratio	Lower	Upper
99	100		
42	17.1	14.7	22.1
71	42.3	34.8	52.2

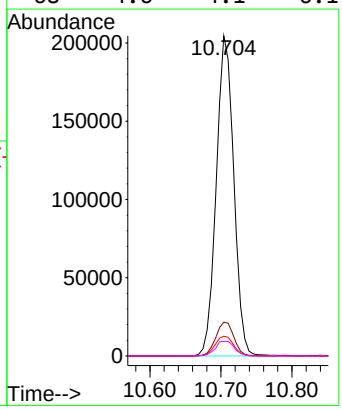


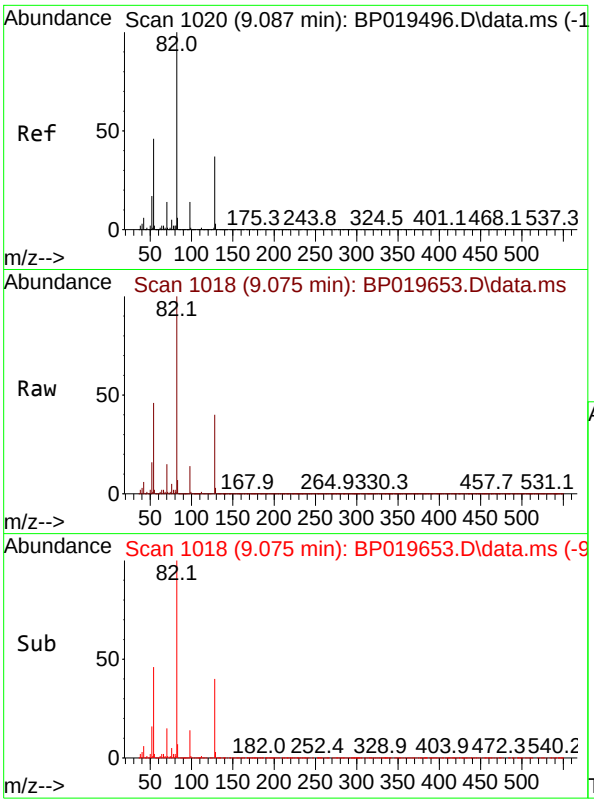


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BP019653.D
Acq: 10 Feb 2024 02:56

Tgt Ion:136 Resp: 349056

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	6.1	5.3	7.9
68	4.6	4.1	6.1



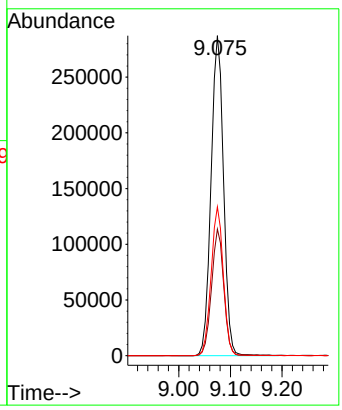


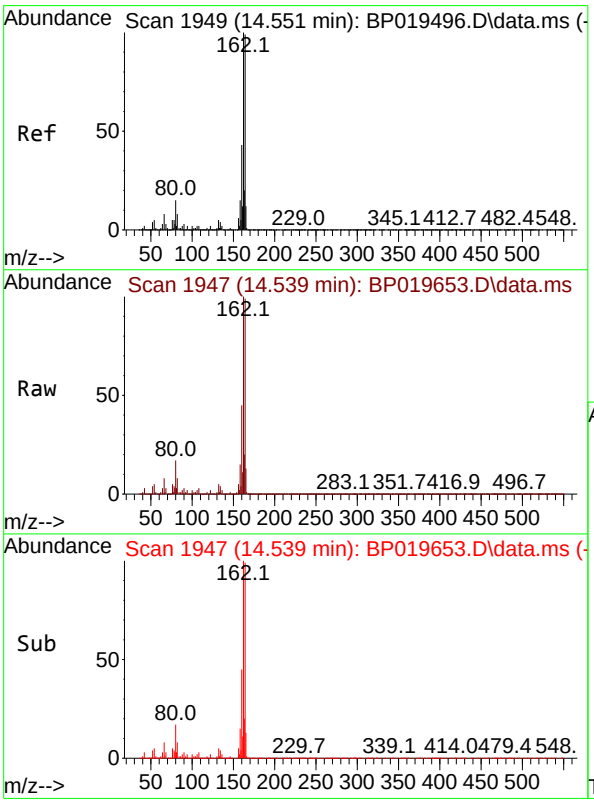
#23
Nitrobenzene-d5
Concen: 59.820 ng
RT: 9.075 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP019653.D
Acq: 10 Feb 2024 02:56

Instrument :
BNA_P
ClientSampleId :
TP-4

Tgt Ion: 82 Resp: 481878

Ion	Ratio	Lower	Upper
82	100		
128	39.6	29.7	44.5
54	46.5	36.8	55.2

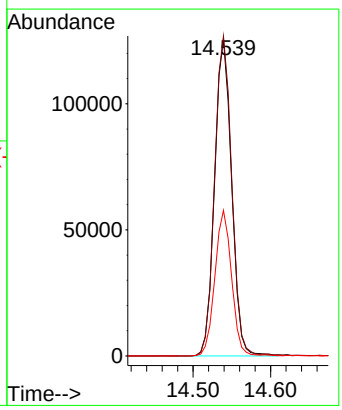


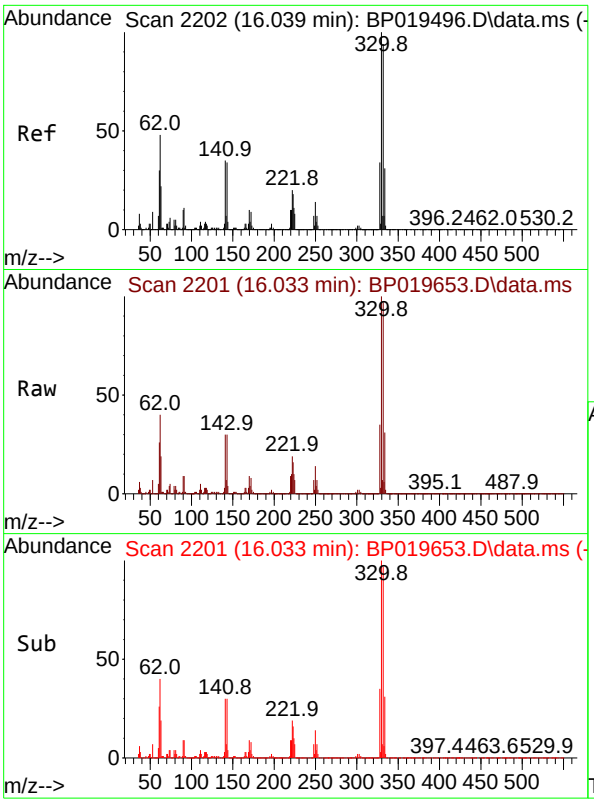


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.012 min
Lab File: BP019653.D
Acq: 10 Feb 2024 02:56

Tgt Ion:164 Resp: 191288

Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.2	121.8
160	45.9	35.1	52.7



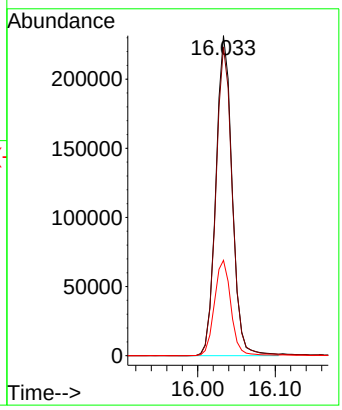


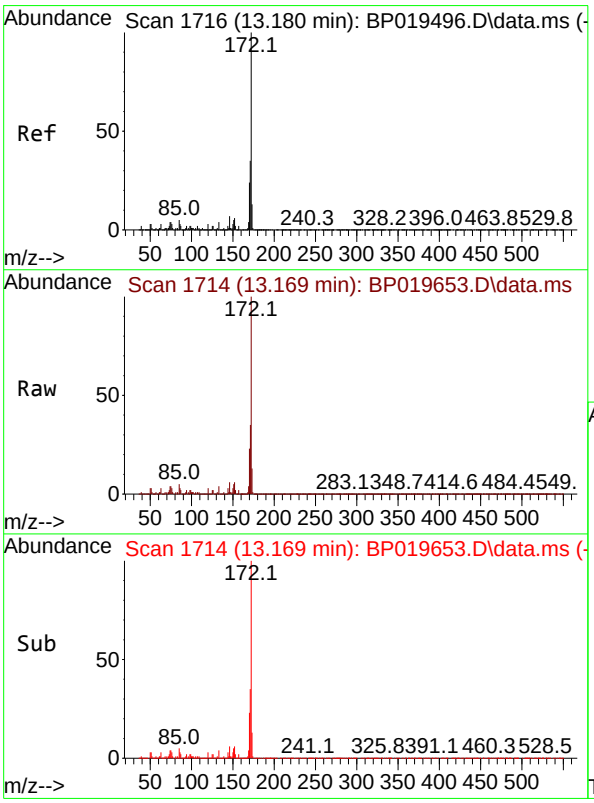
#42
2,4,6-Tribromophenol
Concen: 120.684 ng
RT: 16.033 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP019653.D
Acq: 10 Feb 2024 02:56

Instrument :
BNA_P
ClientSampleId :
TP-4

Tgt Ion:330 Resp: 337063

Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.2	115.8
141	30.3	27.0	40.4

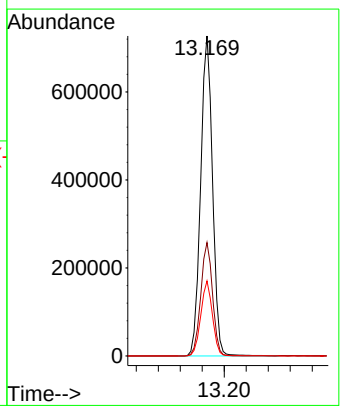


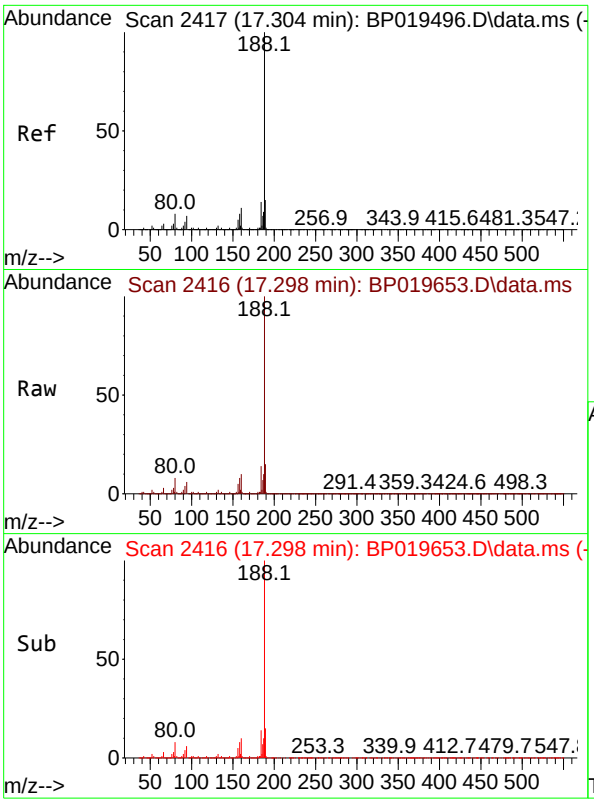


#45
2-Fluorobiphenyl
Concen: 70.544 ng
RT: 13.169 min Scan# 1714
Delta R.T. -0.012 min
Lab File: BP019653.D
Acq: 10 Feb 2024 02:56

Tgt Ion:172 Resp: 1091558

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.4
170	23.4	18.9	28.3



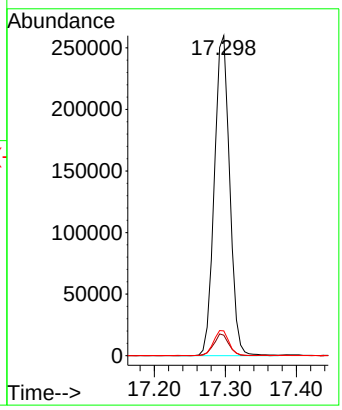


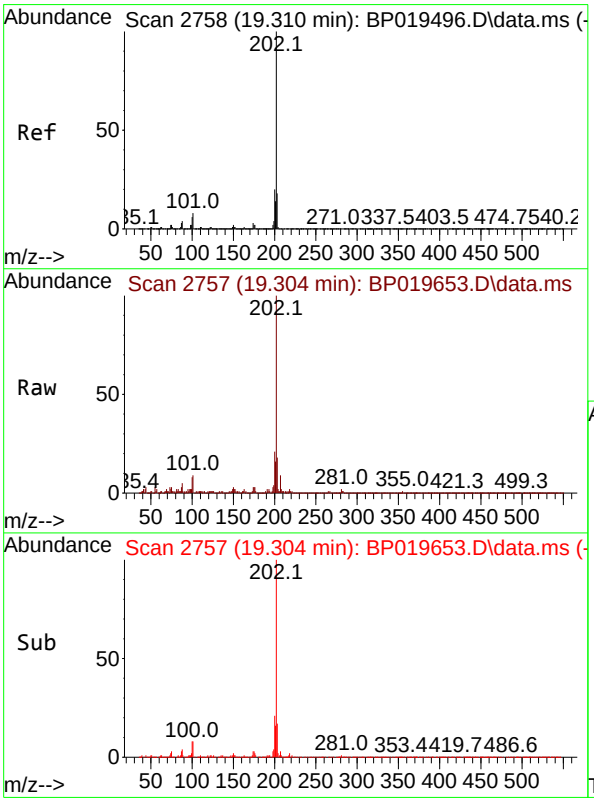
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP019653.D
Acq: 10 Feb 2024 02:56

Instrument :
BNA_P
ClientSampleId :
TP-4

Tgt Ion:188 Resp: 388038

Ion	Ratio	Lower	Upper
188	100		
94	6.4	5.4	8.2
80	7.8	6.3	9.5

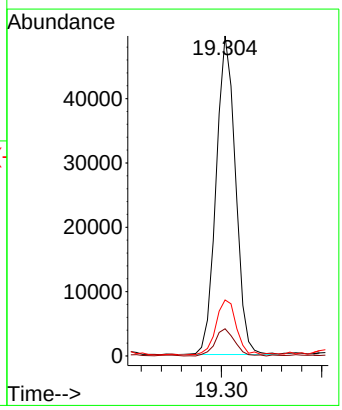


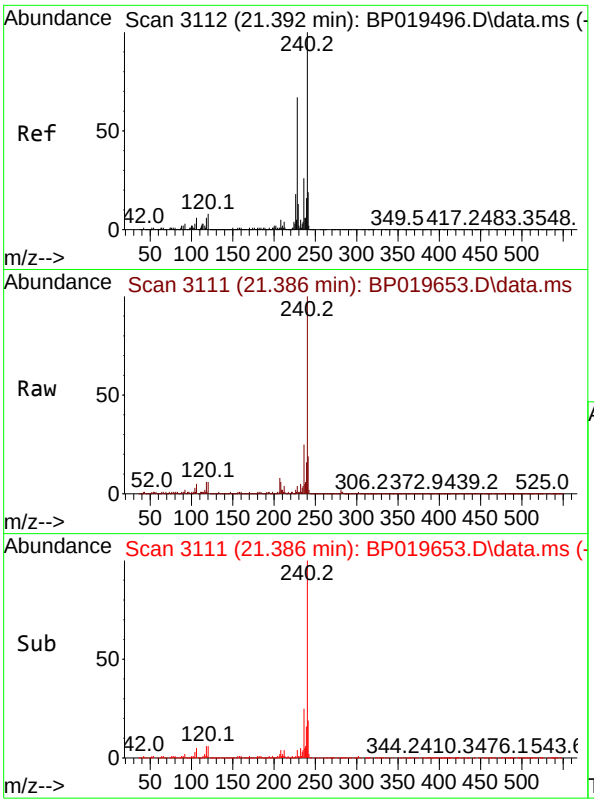


#75
Fluoranthene
Concen: 2.655 ng
RT: 19.304 min Scan# 2757
Delta R.T. -0.006 min
Lab File: BP019653.D
Acq: 10 Feb 2024 02:56

Tgt Ion:202 Resp: 66231

Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	27.7
203	17.5	0.0	37.5



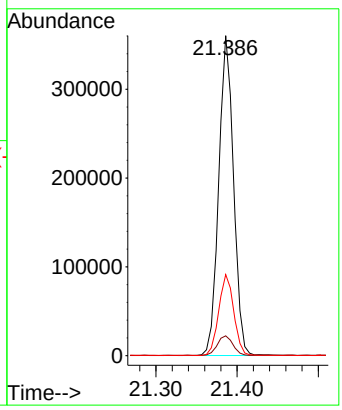


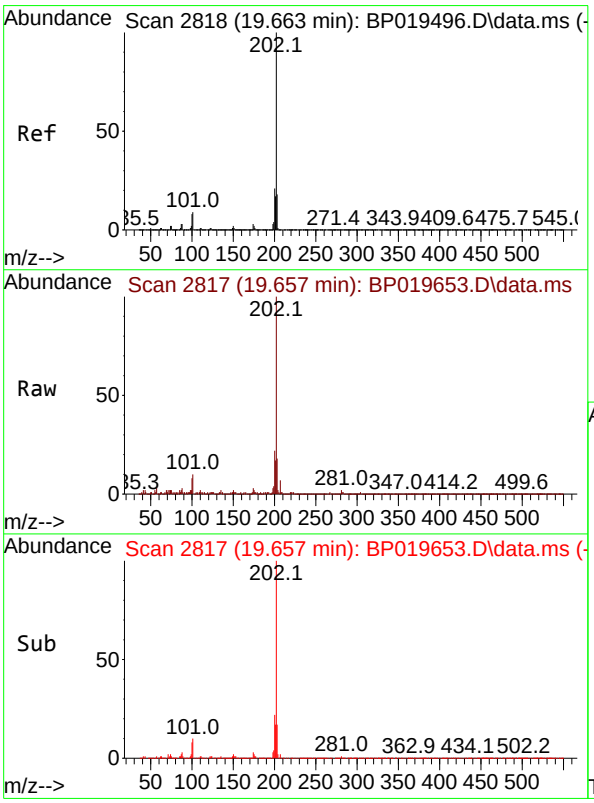
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP019653.D
Acq: 10 Feb 2024 02:56

Instrument :
BNA_P
ClientSampleId :
TP-4

Tgt Ion:240 Resp: 457317

Ion	Ratio	Lower	Upper
240	100		
120	6.2	6.1	9.1
236	25.3	20.7	31.1

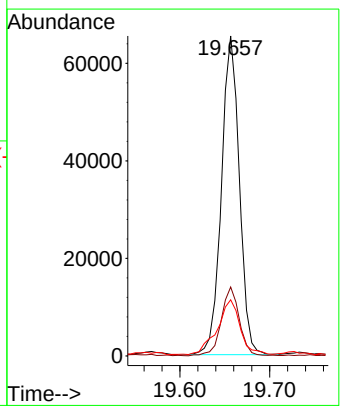


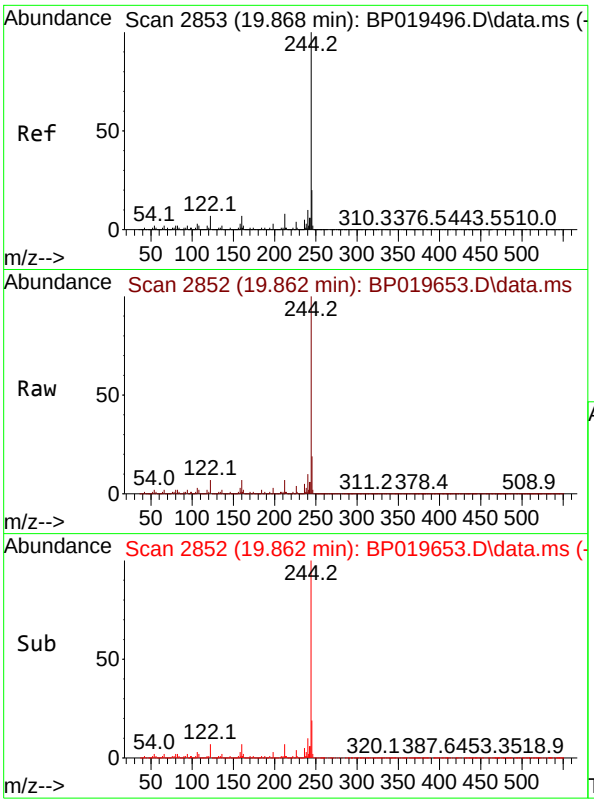


#78
Pyrene
Concen: 2.811 ng
RT: 19.657 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BP019653.D
Acq: 10 Feb 2024 02:56

Tgt Ion:202 Resp: 90726

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.9	25.3
203	17.6	14.2	21.2



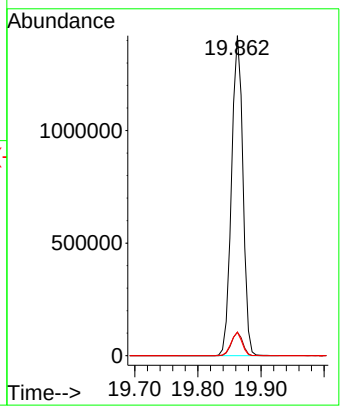


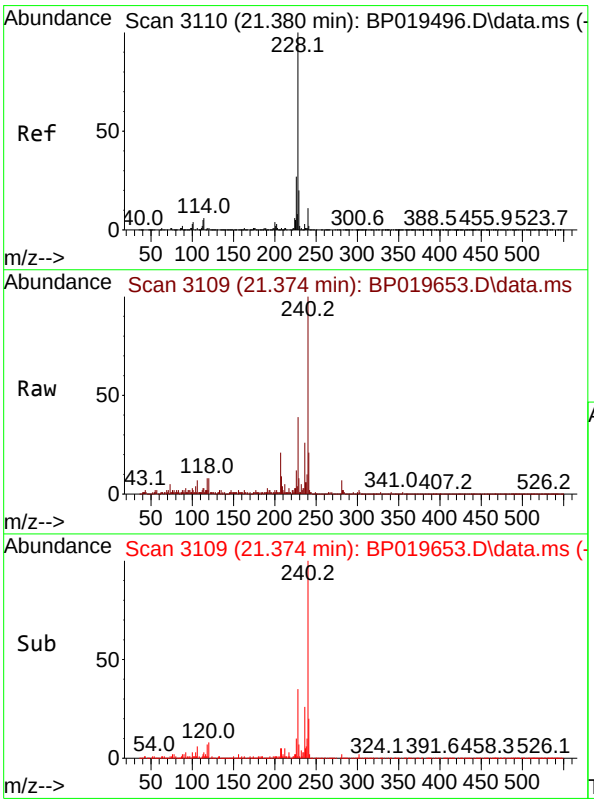
#79
Terphenyl-d14
Concen: 63.769 ng
RT: 19.862 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP019653.D
Acq: 10 Feb 2024 02:56

Instrument :
BNA_P
ClientSampleId :
TP-4

Tgt Ion:244 Resp: 1773294

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.1	9.1
122	7.3	5.9	8.9

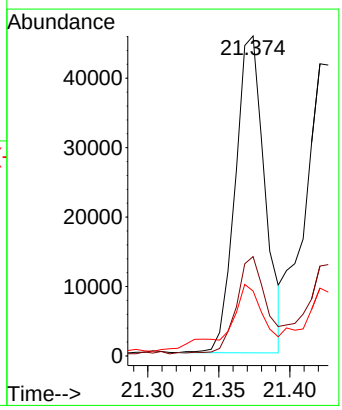


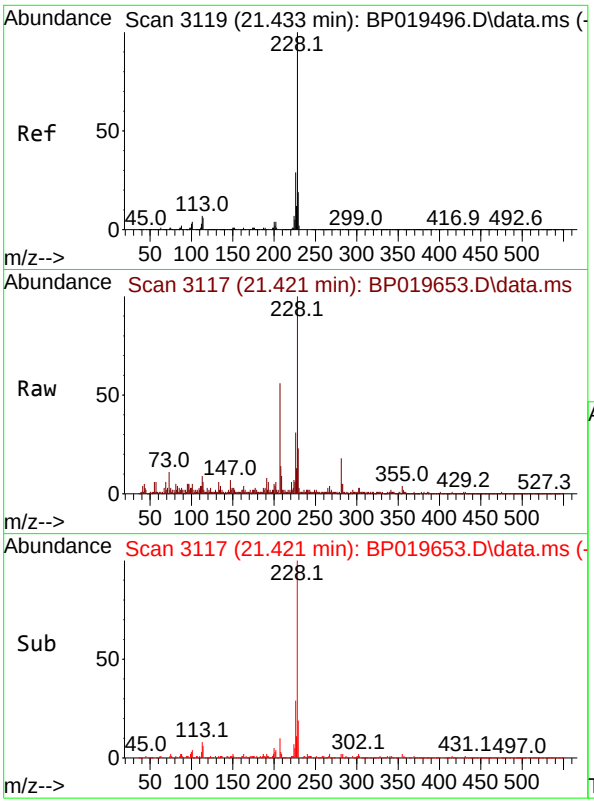


#81
Benzo(a)anthracene
Concen: 2.051 ng
RT: 21.374 min Scan# 3109
Delta R.T. -0.006 min
Lab File: BP019653.D
Acq: 10 Feb 2024 02:56

Tgt Ion:228 Resp: 66024

Ion	Ratio	Lower	Upper
228	100		
226	31.0	21.7	32.5
229	20.3	15.6	23.4



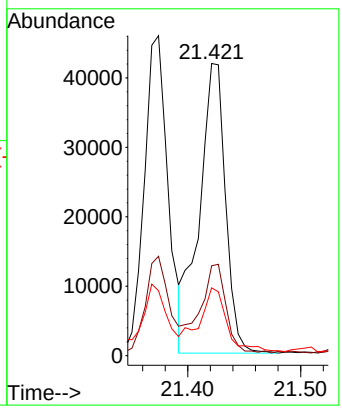


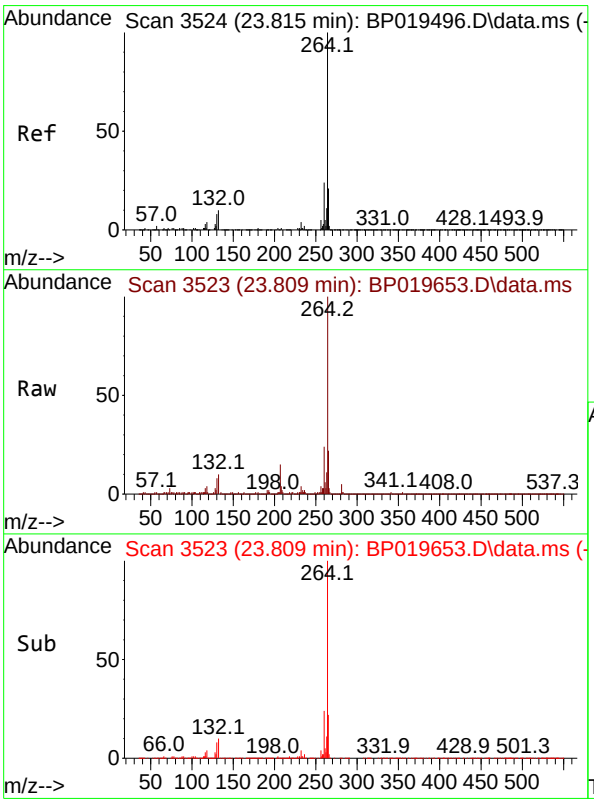
#83
Chrysene
Concen: 2.225 ng m
RT: 21.421 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP019653.D
Acq: 10 Feb 2024 02:56

Instrument :
BNA_P
ClientSampleId :
TP-4

Tgt Ion:228 Resp: 68018

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.4	35.2
229	23.2	15.6	23.4

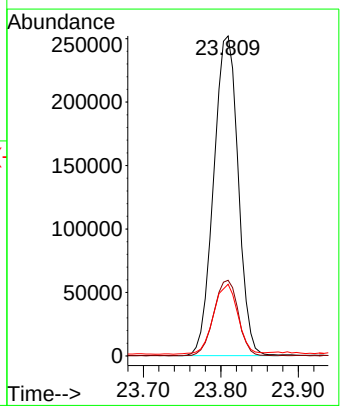


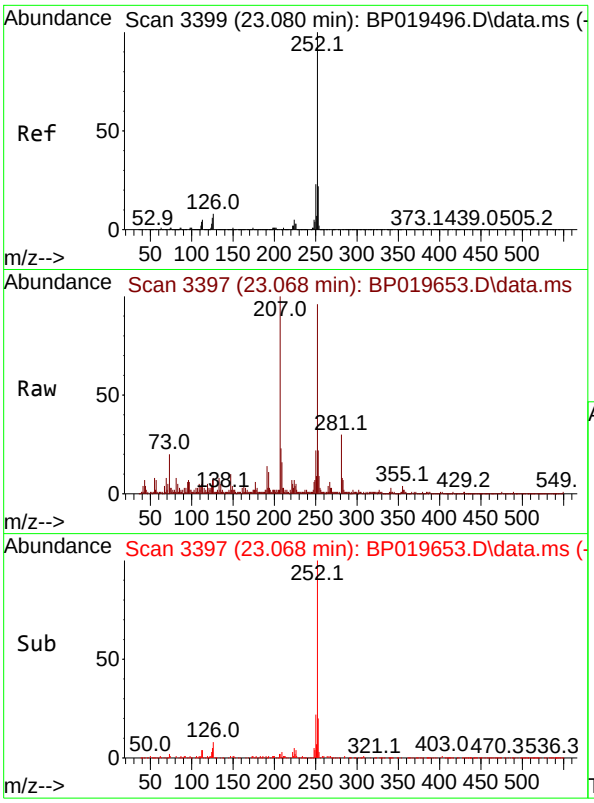


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.809 min Scan# 3523
Delta R.T. -0.006 min
Lab File: BP019653.D
Acq: 10 Feb 2024 02:56

Tgt Ion:264 Resp: 553514

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.4	17.0	25.4



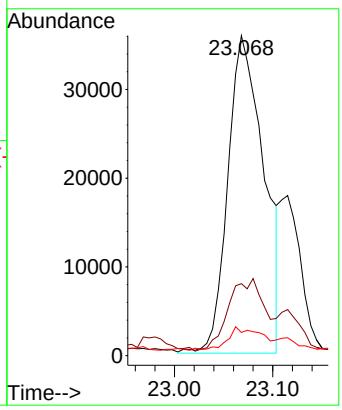


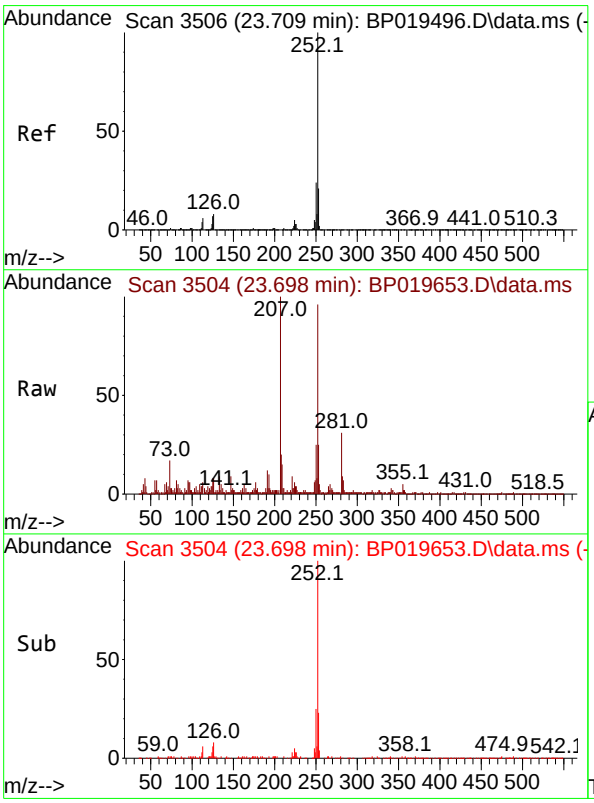
#88
Benzo(b)fluoranthene
Concen: 2.612 ng m
RT: 23.068 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP019653.D
Acq: 10 Feb 2024 02:56

Instrument :
BNA_P
ClientSampleId :
TP-4

Tgt Ion:252 Resp: 91121

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.3	25.9
125	7.2	4.9	7.3





#90
Benzo(a)pyrene
Concen: 2.384 ng
RT: 23.698 min Scan# 3504
Delta R.T. -0.012 min
Lab File: BP019653.D
Acq: 10 Feb 2024 02:56

Tgt Ion:252 Resp: 73992

Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.1	25.7
125	8.3	5.6	8.4