Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120822\
Data File : BP013027.D
Acq On : 09 Dec 2022 20:14
Operator : CG/JU
Sample : N5896-11DL 30X
Misc :
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Dec 09 21:59:27 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120722.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 08 00:35:07 2022
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
DBXM9DL

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 12/10/2022
Supervised By :mohammad ahmed 12/10/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.975	152	677769	20.000	ng/ul	0.00
20) Naphthalene-d8	10.787	136	2959030	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.610	164	1974187	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.375	188	4376355	20.000	ng/ul	0.00
79) Chrysene-d12	21.457	240	3647080	20.000	ng/ul	0.00
88) Perylene-d12	23.945	264	3284054	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.352	96	2994	0.189	ng/uL	0.00
4) Pyridine-d5	3.811	84	24364m	0.541	ng/ul	0.02
7) Phenol-d5	7.128	99	43198	0.782	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.299	67	29635	0.890	ng/ul	0.00
11) 2-Chlorophenol-d4	7.499	132	37063	0.853	ng/ul	-0.01
15) 4-Methylphenol-d8	8.681	113	34505	0.763	ng/ul	0.00
21) Nitrobenzene-d5	9.140	128	15950	0.734	ng/ul	0.00
24) 2-Nitrophenol-d4	9.863	143	18128	0.741	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.404	165	36841	0.775	ng/ul	0.00
31) 4-Chloroaniline-d4	10.928	131	39622	0.590	ng/ul	0.00
46) Dimethylphthalate-d6	14.016	166	143965	0.949	ng/ul	0.00
49) Acenaphthylene-d8	14.304	160	144121	0.864	ng/ul	0.00
54) 4-Nitrophenol-d4	14.804	143	8959	0.328	ng/ul	0.00
60) Fluorene-d10	15.604	176	128933	1.004	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.722	200	10130	0.360	ng/ul	0.00
73) Anthracene-d10	17.469	188	200590	1.016	ng/ul	0.00
81) Pyrene-d10	19.698	212	235390	1.124	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.780	264	157062	0.960	ng/ul	0.00
Target Compounds						Qvalue
30) Naphthalene	10.840	128	172852	1.117	ng/ul	98
36) 2-Methylnaphthalene	12.440	142	117287	1.105	ng/ul	100
37) 1-Methylnaphthalene	12.657	142	281302	2.576	ng/ul	98
52) Acenaphthene	14.675	153	3252995	26.190	ng/ul	99
61) Fluorene	15.663	166	4051750	28.608	ng/ul	99
72) Phenanthrene	17.416	178	13492128	59.190	ng/ul	94
74) Anthracene	17.504	178	13676647	60.090	ng/ul	95
80) Fluoranthene	19.374	202	14317833	60.260	ng/ul#	92
82) Pyrene	19.727	202	12378633	50.506	ng/ul	99
85) Benzo(a)anthracene	21.439	228	3139894	12.969	ng/ul	99
87) Chrysene	21.492	228	3227214	14.095	ng/ul	98
90) Benzo(b)fluoranthene	23.180	252	2583306	12.336	ng/ul	98
91) Benzo(k)fluoranthene	23.227	252	813305m	3.917	ng/ul	
93) Benzo(a)pyrene	23.833	252	1087887	5.966	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	26.545	276	500037	2.202	ng/ul	98
96) Benzo(g,h,i)perylene	27.345	276	362443	1.988	ng/ul	97

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

Quantitation Report (QT/LSC Reviewed)

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Instrument :
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DBXM9DL

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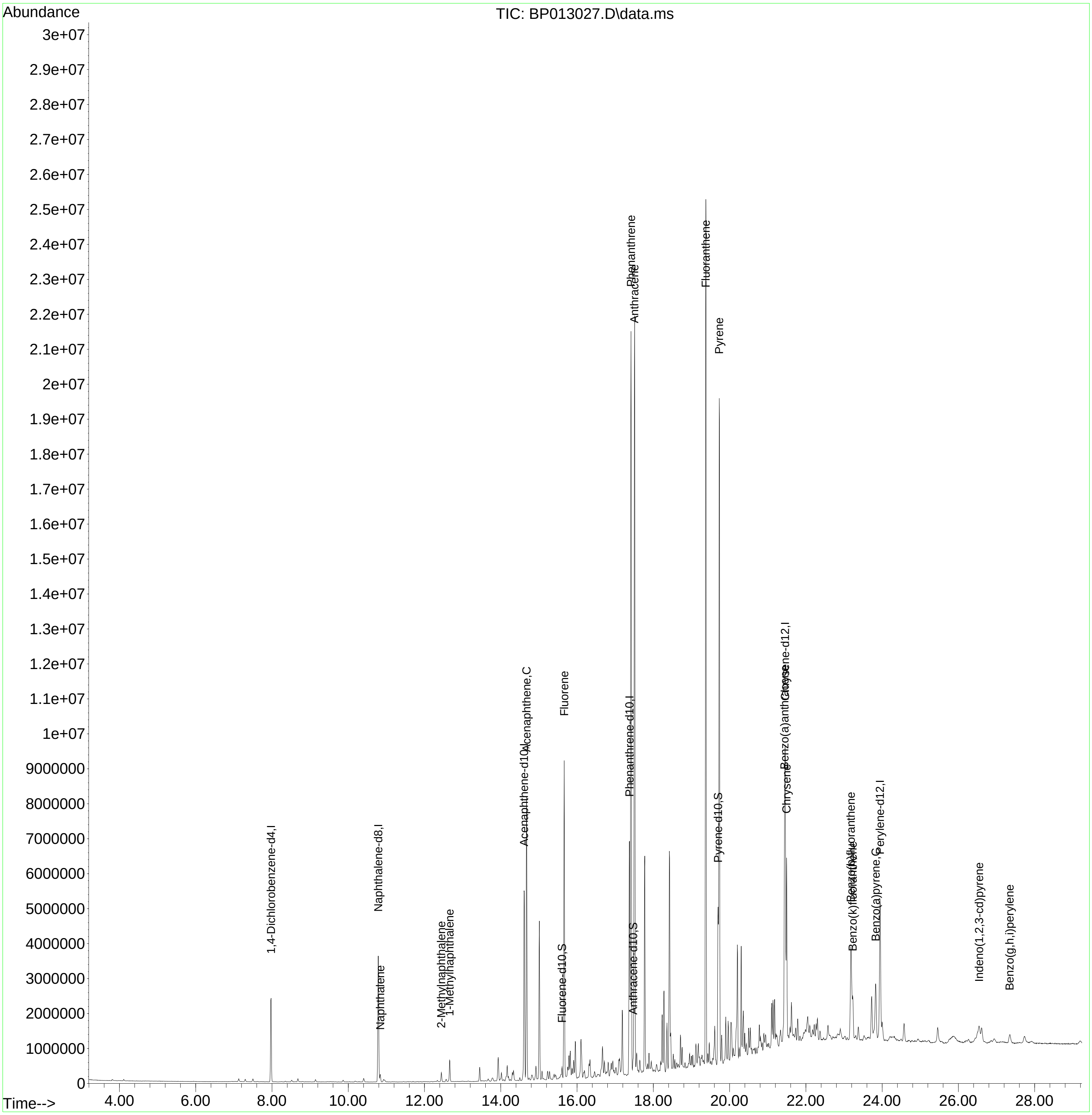

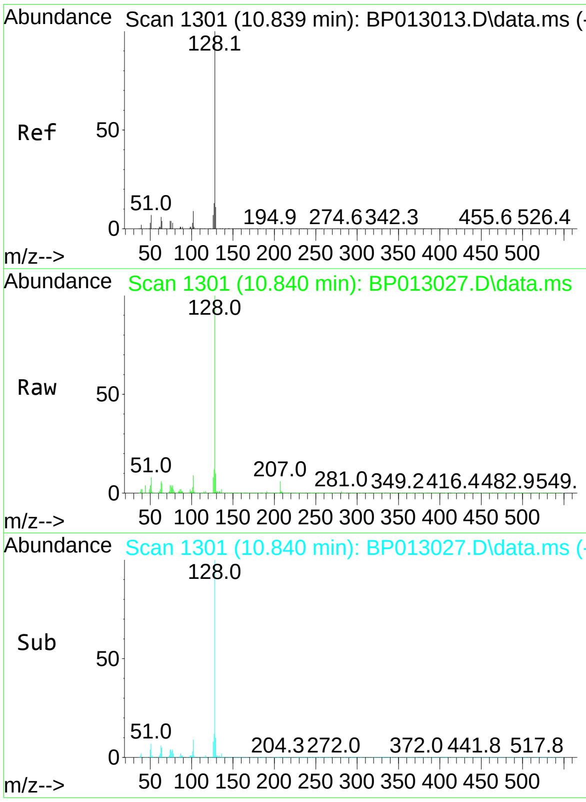


```
#30
Naphthalene
Concen:    1.117 ng/ul
RT:  10.840 min  Scan# 1
Delta R.T.   -0.006 min
Lab File:    BP013027.D
Acq: 09 Dec 2022  20:14

Tgt Ion:128 Resp:  17285
Ion  Ratio  Lower  Upper
128  100
129   10.0    8.7   13.1
127   12.1   10.4   15.6
```

Instrument :
BNA_P
ClientSampleId :
DBXM9DL

Manual Integrations
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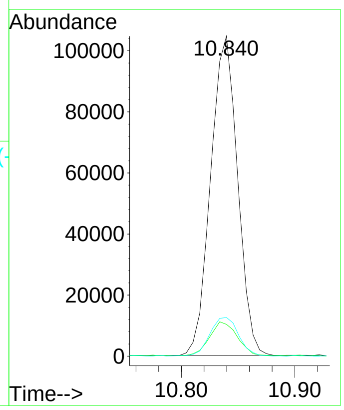
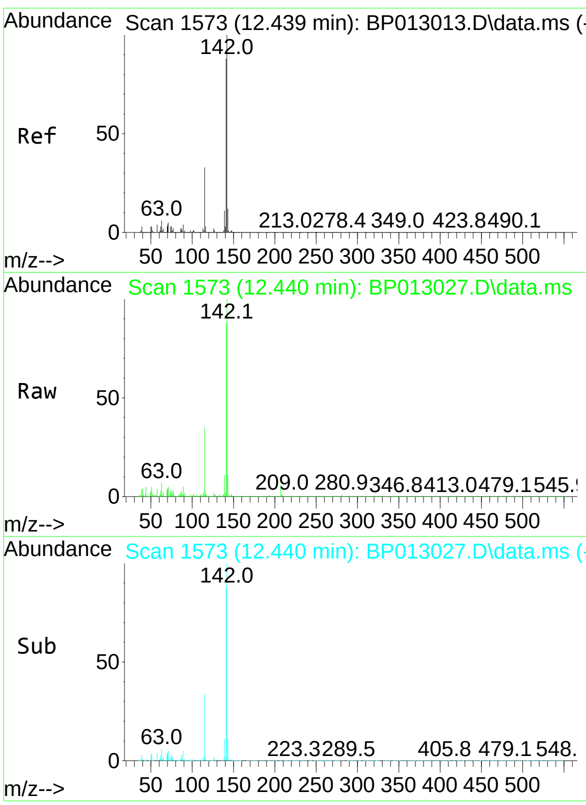
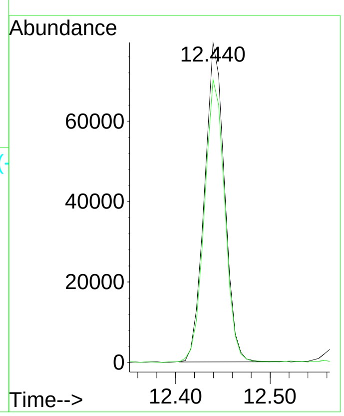
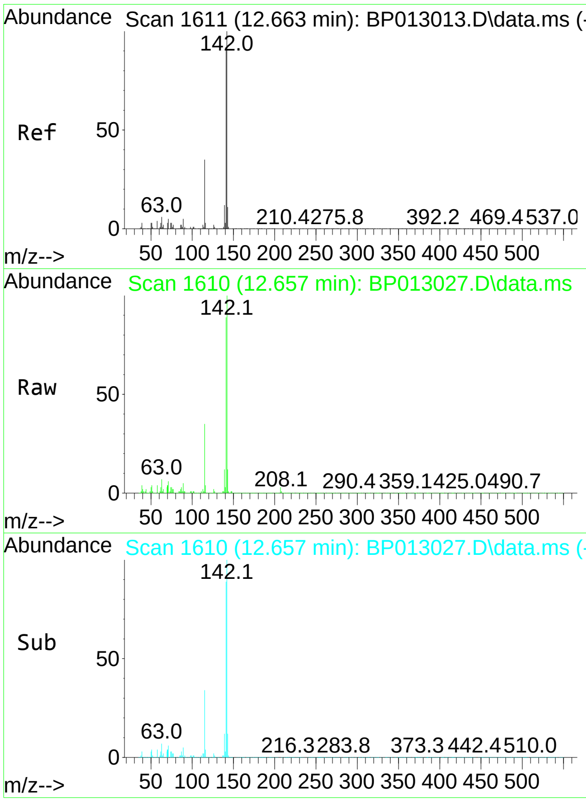





```
#36
2-Methylnaphthalene
Concen:    1.105 ng/ul
RT:  12.440 min  Scan# 1573
Delta R.T.   -0.012 min
Lab File:    BP013027.D
Acq: 09 Dec 2022  20:14

Tgt Ion:142 Resp:  117287
Ion  Ratio  Lower  Upper
142  100
141   88.3   70.8  106.2
```

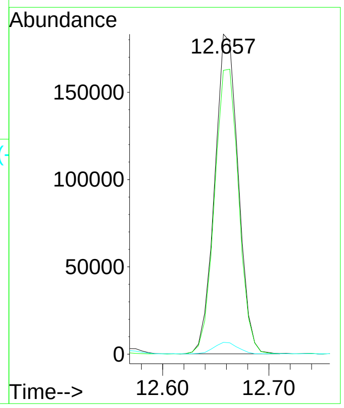




#37
1-Methylnaphthalene
Concen: 2.576 ng/ul
RT: 12.657 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BP013027.D
Acq: 09 Dec 2022 20:14

Tgt Ion:142 Resp: 28130

Ion	Ratio	Lower	Upper
142	100		
141	88.7	72.7	109.1
116	3.7	2.7	4.1



Instrument :
BNA_P
ClientSampleId :
DBXM9DL

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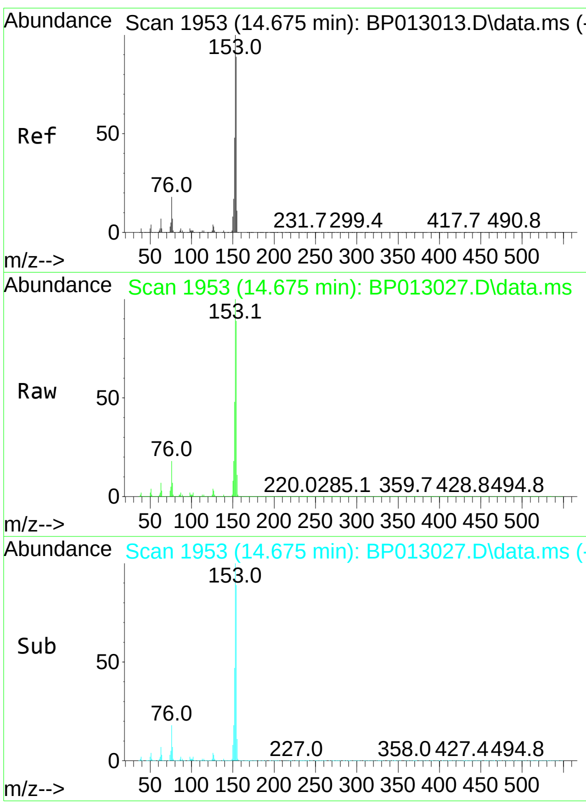
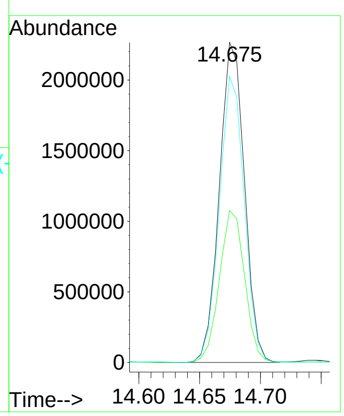
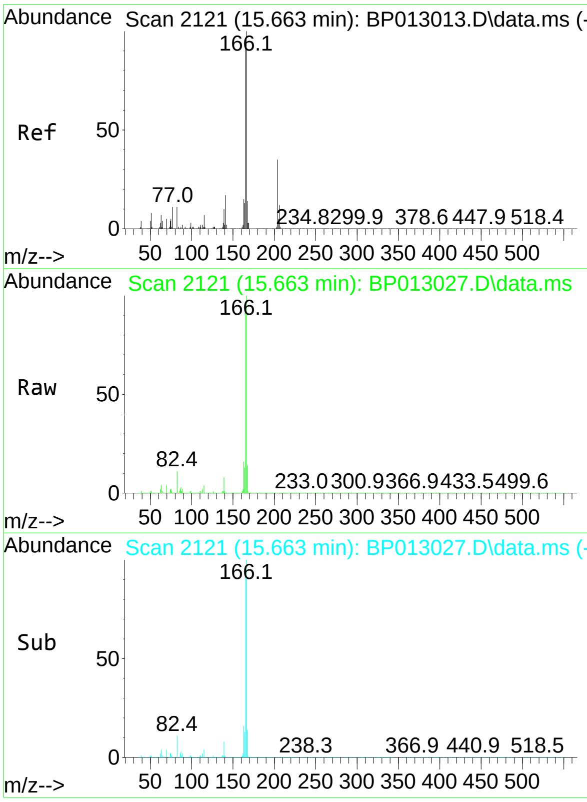


#52
Acenaphthene
Concen: 26.190 ng/ul
RT: 14.675 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BP013027.D
Acq: 09 Dec 2022 20:14

Tgt Ion:153 Resp: 3252995

Ion	Ratio	Lower	Upper
153	100		
152	47.5	38.2	57.4
154	89.4	70.8	106.2





#61
Fluorene
Concen: 28.608 ng/ul
RT: 15.663 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP013027.D
Acq: 09 Dec 2022 20:14

Instrument :
BNA_P
ClientSampleId :
DBXM9DL

Tgt Ion:166 Resp: 405175

Ion	Ratio	Lower	Upper
166	100		
165	97.3	77.4	116.2
167	13.5	10.6	16.0

Manual Integrations
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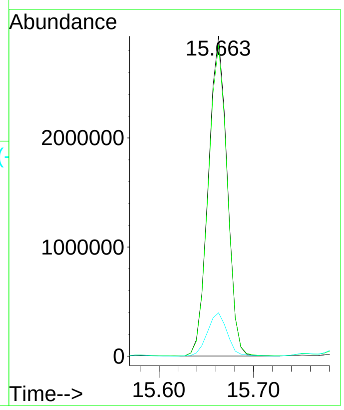
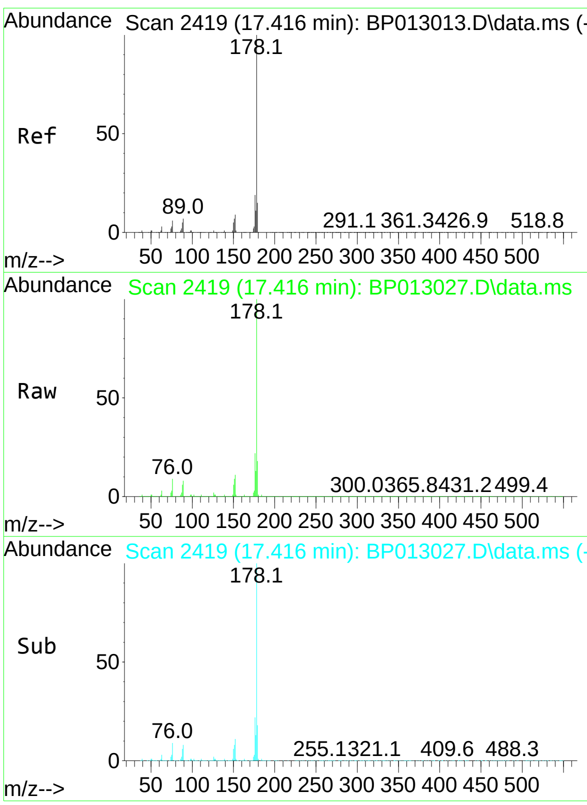
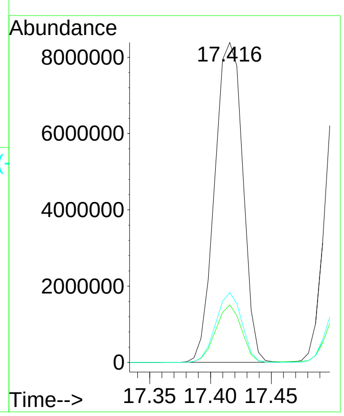


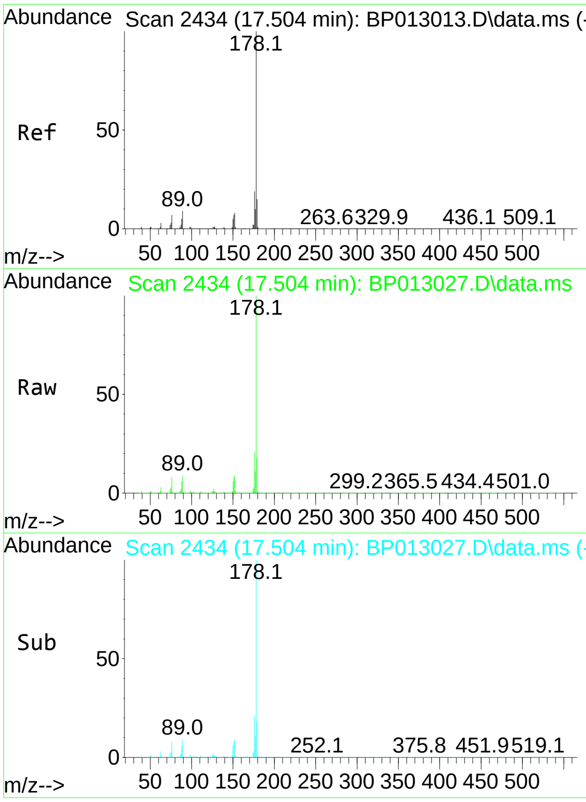


#72
Phenanthrene
Concen: 59.190 ng/ul
RT: 17.416 min Scan# 2419
Delta R.T. -0.000 min
Lab File: BP013027.D
Acq: 09 Dec 2022 20:14

Tgt Ion:178 Resp:13492128

Ion	Ratio	Lower	Upper
178	100		
179	18.0	12.5	18.7
176	21.9	15.4	23.0





#74
Anthracene
Concen: 60.090 ng/ul
RT: 17.504 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP013027.D
Acq: 09 Dec 2022 20:14

Instrument :
BNA_P
ClientSampleId :
DBXM9DL

Tgt Ion:178 Resp:1367664

Ion	Ratio	Lower	Upper
178	100		
179	17.7	12.5	18.7
176	21.0	14.8	22.2

Manual Integrations APPROVED

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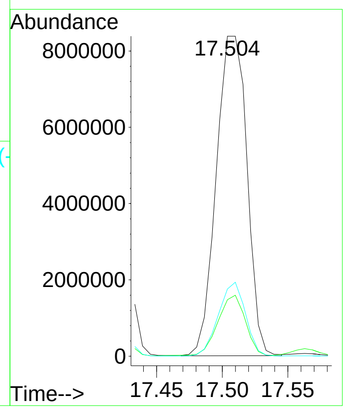
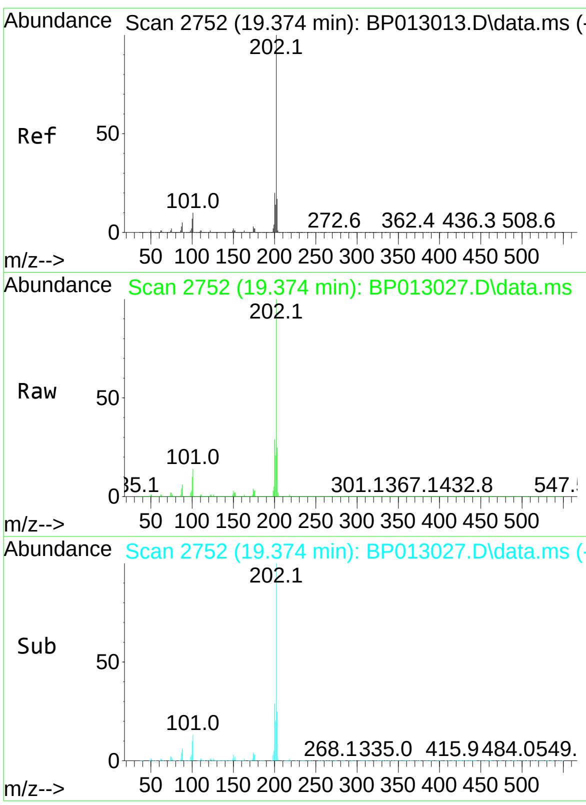
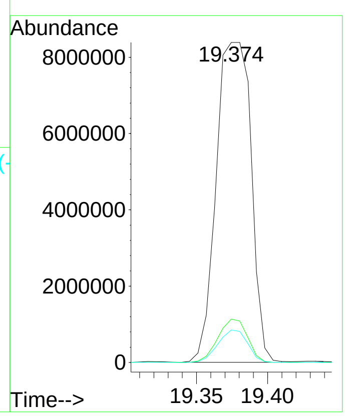


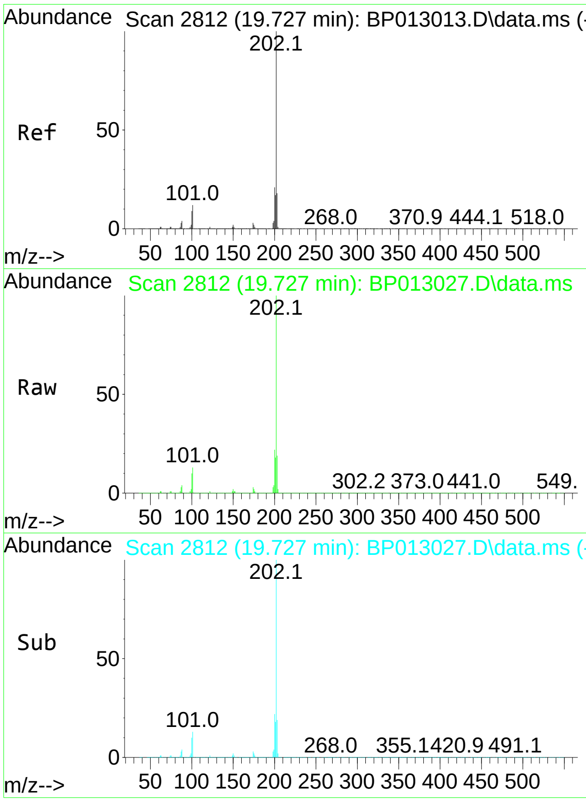


#80
Fluoranthene
Concen: 60.260 ng/ul
RT: 19.374 min Scan# 2752
Delta R.T. -0.000 min
Lab File: BP013027.D
Acq: 09 Dec 2022 20:14

Tgt Ion:202 Resp:14317833

Ion	Ratio	Lower	Upper
202	100		
101	13.6	8.2	12.2#
100	10.2	6.1	9.1#






```
#82
Pyrene
Concen:   50.506 ng/ul
RT:  19.727 min  Scan# 2
Delta R.T.  0.000 min
Lab File:   BP013027.D
Acq: 09 Dec 2022  20:14

Tgt Ion:202 Resp:1237863
Ion  Ratio  Lower  Upper
202  100
101   12.5    9.4   14.2
100   10.1    7.8   11.8
```

Instrument :
BNA_P
ClientSampleId :
DBXM9DL

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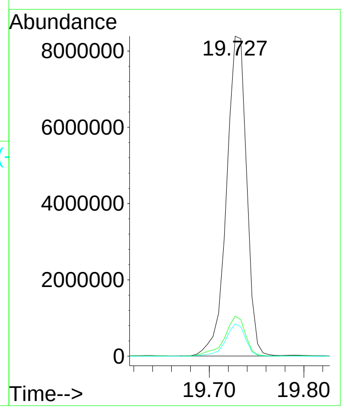
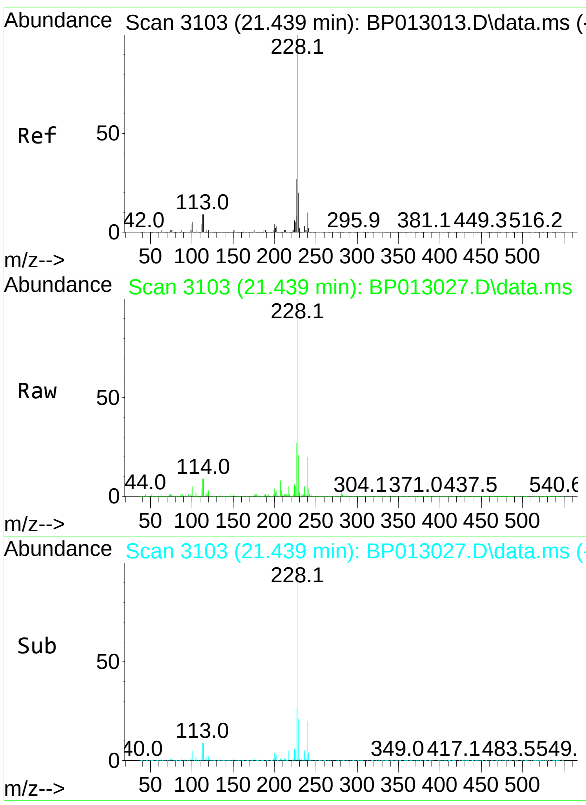
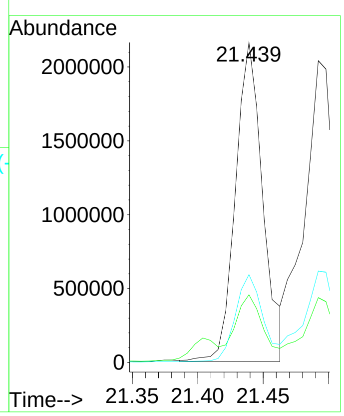
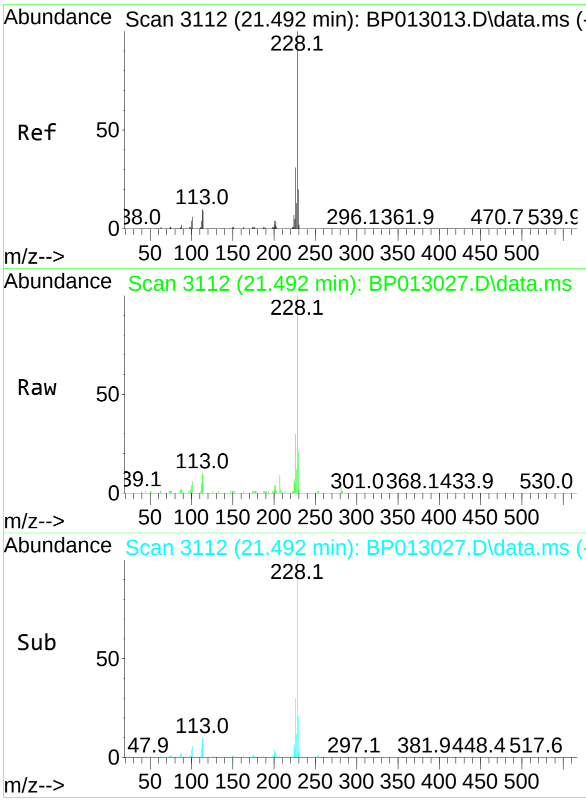





```
#85
Benzo(a)anthracene
Concen:   12.969 ng/ul
RT:  21.439 min  Scan# 3103
Delta R.T.  -0.000 min
Lab File:   BP013027.D
Acq: 09 Dec 2022  20:14

Tgt Ion:228 Resp: 3139894
Ion  Ratio  Lower  Upper
228  100
229   21.2   16.1   24.1
226   27.5   22.0   33.0
```





#87
Chrysene
Concen: 14.095 ng/ul
RT: 21.492 min Scan# 3
Delta R.T.   -0.006 min
Lab File: BP013027.D
Acq: 09 Dec 2022 20:14

Instrument :
BNA_P
ClientSampleId :
DBXM9DL

Tgt Ion:228 Resp: 322721

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.5	36.7
229	21.5	16.0	24.0

Manual Integrations
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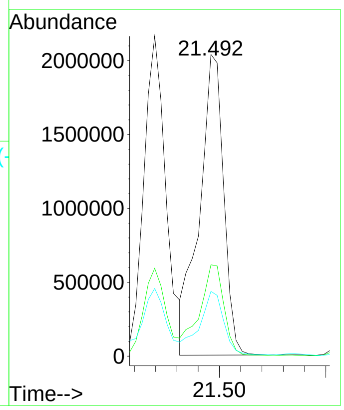
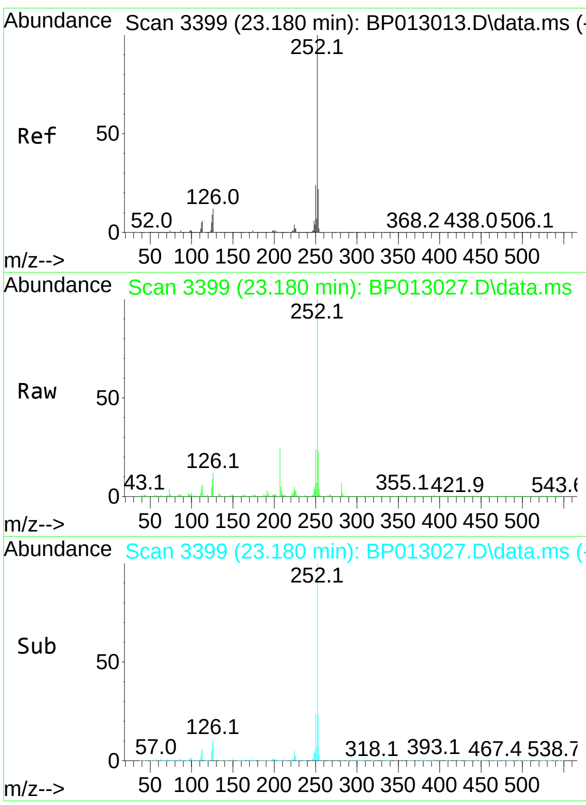
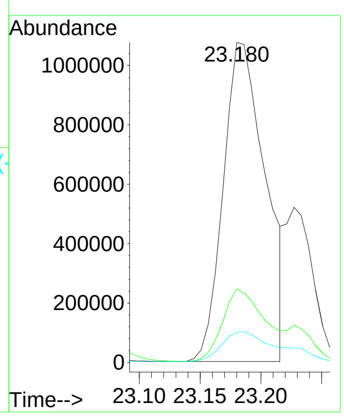


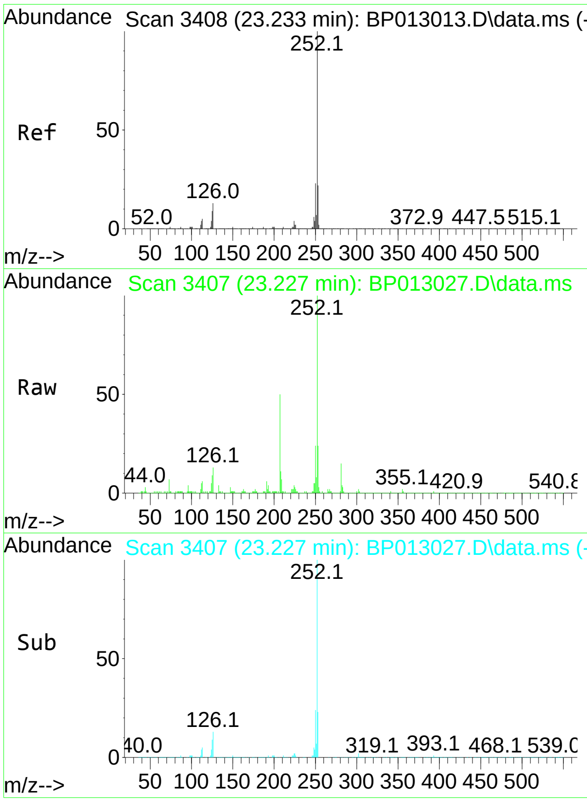


#90
Benzo(b)fluoranthene
Concen: 12.336 ng/ul
RT: 23.180 min Scan# 3399
Delta R.T.   -0.006 min
Lab File: BP013027.D
Acq: 09 Dec 2022 20:14

Tgt Ion:252 Resp: 2583306

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.7	26.5
125	9.4	6.8	10.2





#91
Benzo(k)fluoranthene
Concen: 3.917 ng/ul m
RT: 23.227 min Scan# 3

Instrument :
BNA_P
ClientSampleId :
DBXM9DL

Delta R.T. -0.006 min
Lab File: BP013027.D
Acq: 09 Dec 2022 20:14

Manual Integrations
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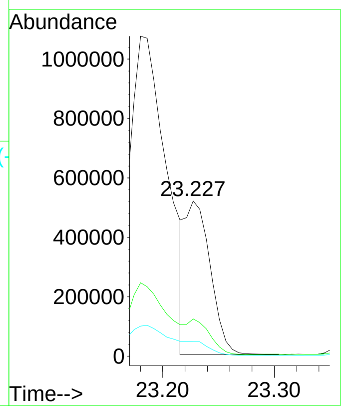
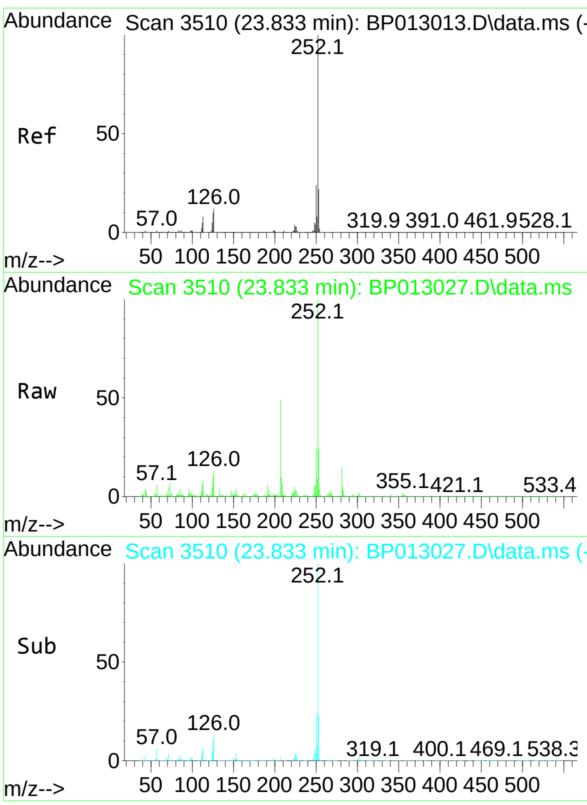
Tgt Ion:252 Resp: 81330

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.7	26.5
125	9.3	6.8	10.2

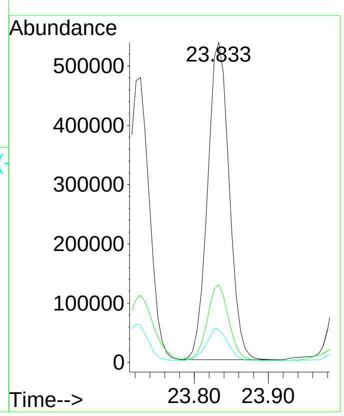


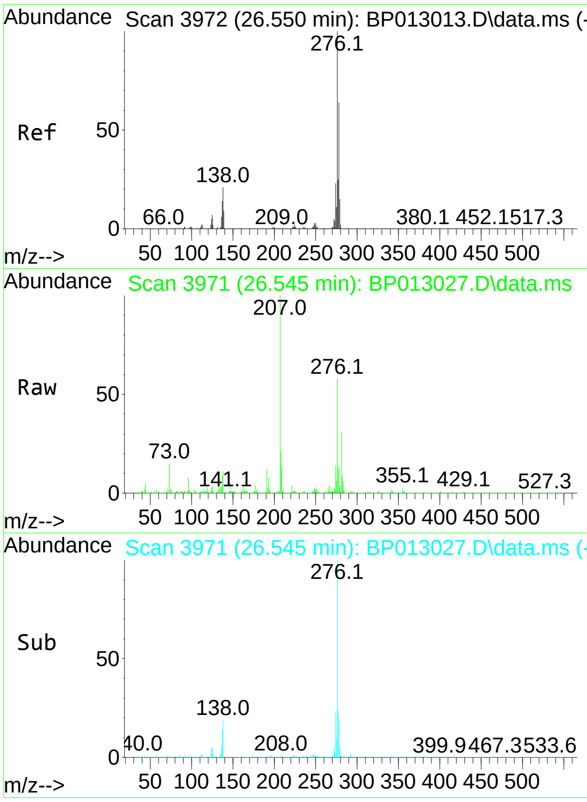


#93
Benzo(a)pyrene
Concen: 5.966 ng/ul
RT: 23.833 min Scan# 3510
Delta R.T. -0.006 min
Lab File: BP013027.D
Acq: 09 Dec 2022 20:14

Tgt Ion:252 Resp: 1087887

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.5	26.3
125	10.2	7.5	11.3

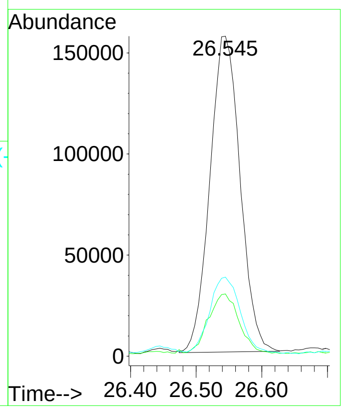




#94
Indeno(1,2,3-cd)pyrene
Concen: 2.202 ng/ul
RT: 26.545 min Scan# 39
Delta R.T. -0.012 min
Lab File: BP013027.D
Acq: 09 Dec 2022 20:14

Tgt Ion:276 Resp: 50003

Ion	Ratio	Lower	Upper
276	100		
138	19.4	17.1	25.7
277	24.7	20.0	30.0



Instrument :
BNA_P
ClientSampleId :
DBXM9DL

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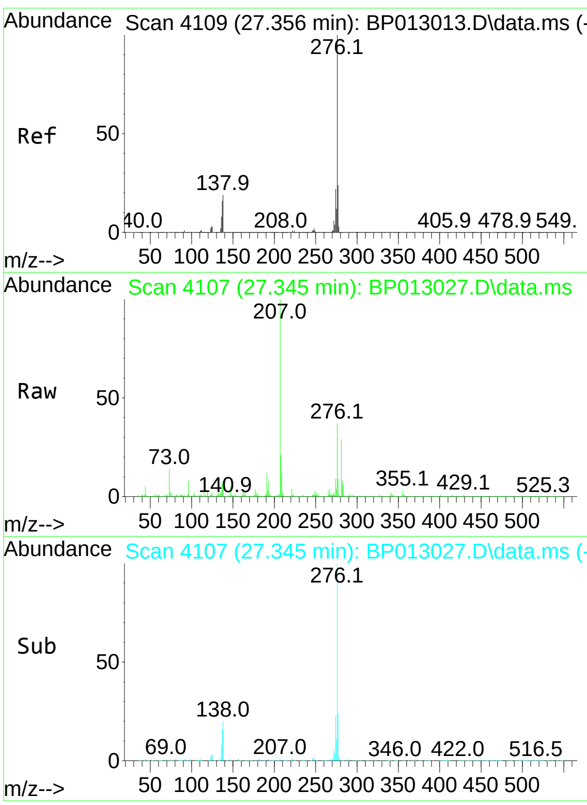

#96
Benzo(g,h,i)perylene
Concen: 1.988 ng/ul
RT: 27.345 min Scan# 4107
Delta R.T. -0.006 min
Lab File: BP013027.D
Acq: 09 Dec 2022 20:14

Tgt Ion:276 Resp: 362443

Ion	Ratio	Lower	Upper
276	100		
138	20.6	15.4	23.2
277	25.2	19.1	28.7