Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072023\
Data File : BM040998.D
Acq On : 21 Jul 2023 02:02
Operator : MA/JU
Sample : 03444-09MSD
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A46Q1MSD

Quant Time: Jul 21 02:59:34 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM071923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 20 05:08:42 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.866	152	2924	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.669	136	13944	0.400	ng/ul	-0.01
9) Acenaphthene-d10	14.518	164	4724	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.270	188	13946	0.400	ng/ul	#-0.01
17) Chrysene-d12	21.460	240	6793	0.400	ng/ul	#-0.01
23) Perylene-d12	23.851	264	7618	0.400	ng/ul	#-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.280	96	3189	0.663	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.264	152	4805	0.259	ng/ul	-0.02
18) Fluoranthene-d10	19.301	212	8004	0.280	ng/ul	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.313	88	7159	1.415	ng/ul#	76
5) Naphthalene	10.719	128	17252	0.452	ng/ul	100
7) 2-Methylnaphthalene	12.335	142	6336	0.303	ng/ul	98
8) 1-Methylnaphthalene	12.555	142	6227	0.280	ng/ul	97
10) Acenaphthylene	14.236	152	8987	0.454	ng/ul	98
11) Acenaphthene	14.578	153	7029	0.403	ng/ul	99
12) Fluorene	15.568	166	7133	0.395	ng/ul	96
14) Pentachlorophenol	16.928	266	1061	0.378	ng/ul	98
15) Phenanthrene	17.312	178	34277	0.822	ng/ul	99
16) Anthracene	17.405	178	11082	0.341	ng/ul	97
19) Fluoranthene	19.329	202	65065	1.855	ng/ul	100
20) Pyrene	19.696	202	62110	1.733	ng/ul	97
21) Benzo(a)anthracene	21.445	228	26433	1.277	ng/ul	97
22) Chrysene	21.495	228	33039	1.397	ng/ul	97
24) Benzo(b)fluoranthene	23.123	252	38602	1.320	ng/ul	92
25) Benzo(k)fluoranthene	23.167	252	20061	0.722	ng/ul	96
26) Benzo(a)pyrene	23.746	252	26666	1.056	ng/ul#	83
27) Indeno(1,2,3-cd)pyrene	26.317	276	26531	0.792	ng/ul#	94
28) Dibenzo(a,h)anthracene	26.334	278	11662	0.460	ng/ul	95
29) Benzo(g,h,i)perylene	27.075	276	26305	0.849	ng/ul	97

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072023\
Data File : BM040998.D
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Operator : MA/JU
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Quant Time: Jul 21 02:59:34 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 20 05:08:42 2023
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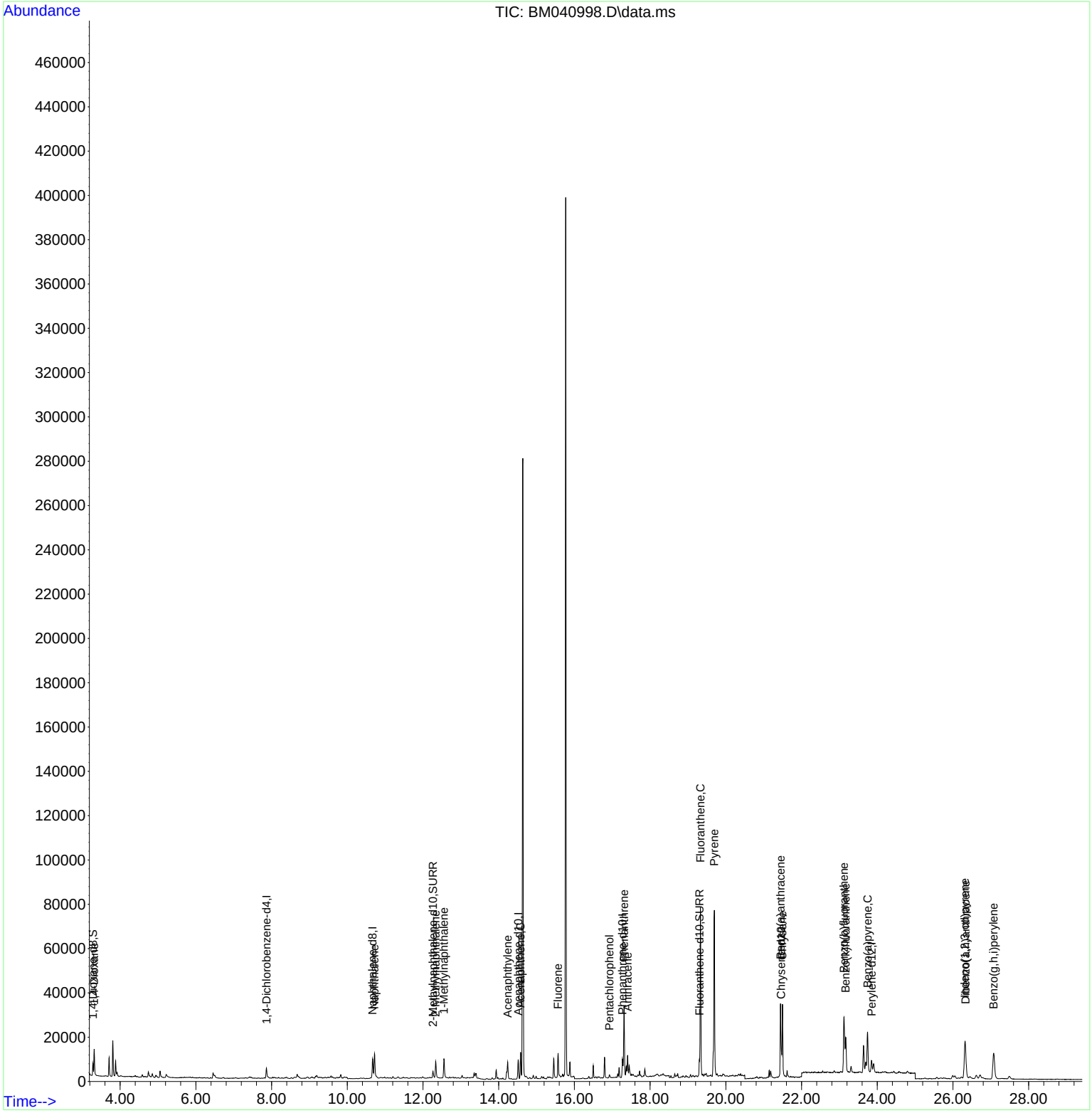
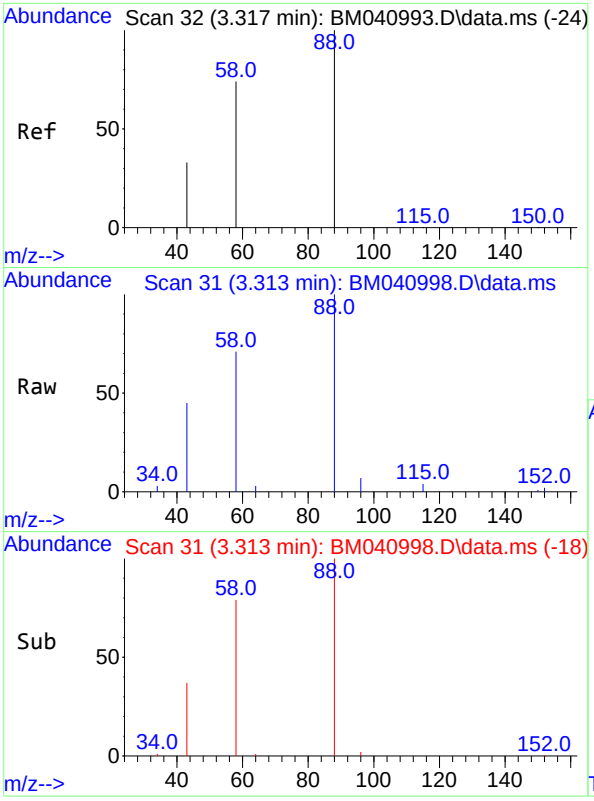


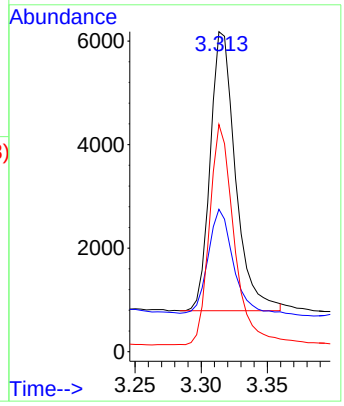


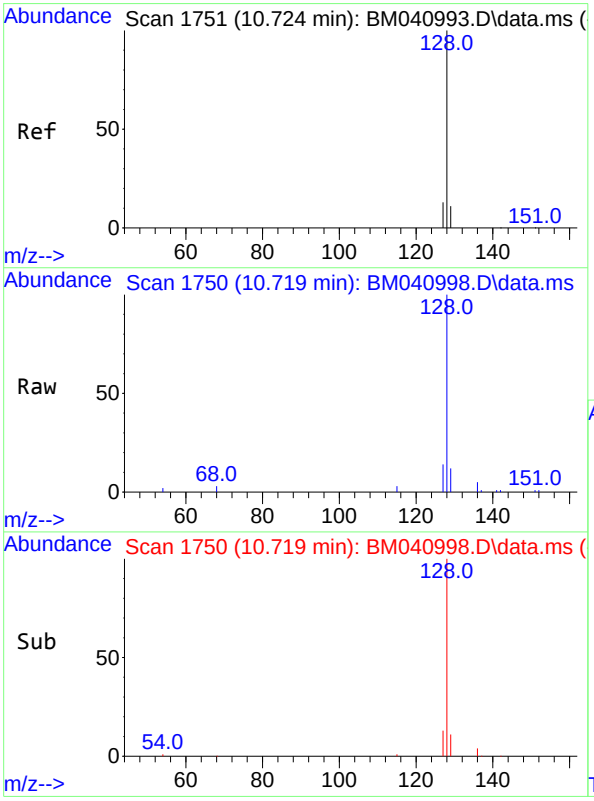
#2
1,4-Dioxane
Concen: 1.415 ng/ul
RT: 3.313 min Scan# 3
Delta R.T. -0.004 min
Lab File: BM040998.D
Acq: 21 Jul 2023 02:02

Instrument :
BNA_M
ClientSampleId :
A46Q1MSD

Tgt Ion: 88 Resp: 7159

Ion	Ratio	Lower	Upper
88	100		
43	44.5	46.7	70.1#
58	71.0	40.3	60.5#

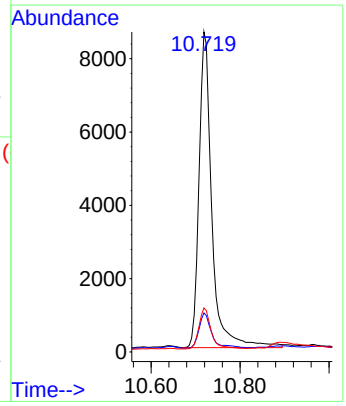


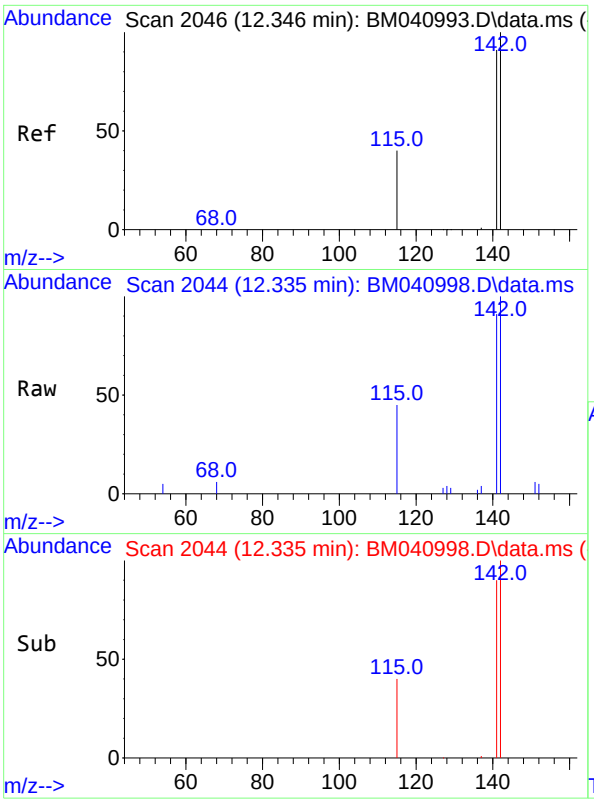


#5
Naphthalene
Concen: 0.452 ng/ul
RT: 10.719 min Scan# 1750
Delta R.T. -0.011 min
Lab File: BM040998.D
Acq: 21 Jul 2023 02:02

Tgt Ion:128 Resp: 17252

Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.8	14.8
127	13.8	11.0	16.4



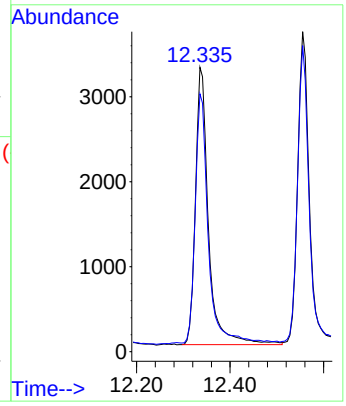


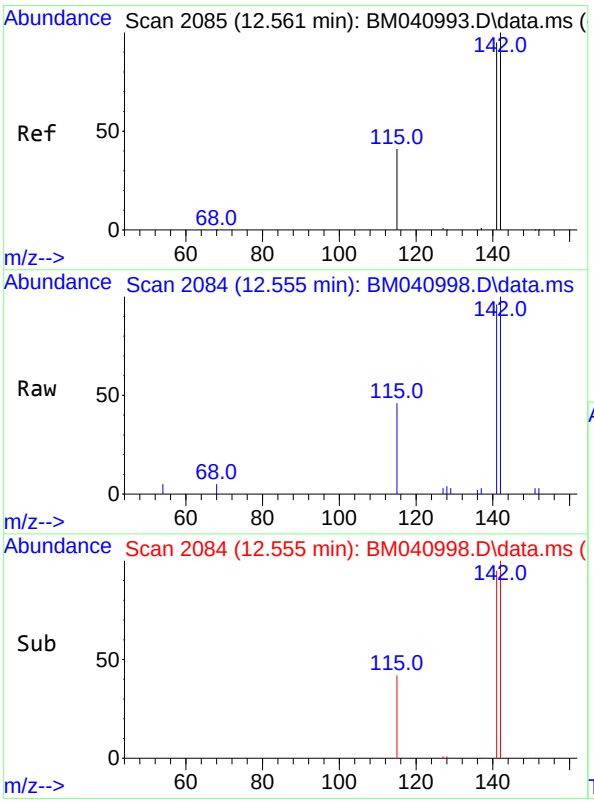
#7
2-Methylnaphthalene
Concen: 0.303 ng/ul
RT: 12.335 min Scan# 2
Delta R.T. -0.016 min
Lab File: BM040998.D
Acq: 21 Jul 2023 02:02

Instrument :
BNA_M
ClientSampleId :
A46Q1MSD

Tgt Ion:142 Resp: 6336

Ion	Ratio	Lower	Upper
142	100		
141	89.2	73.2	109.8

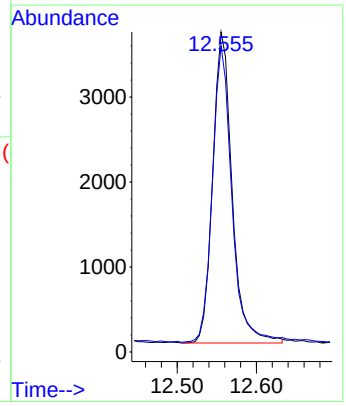


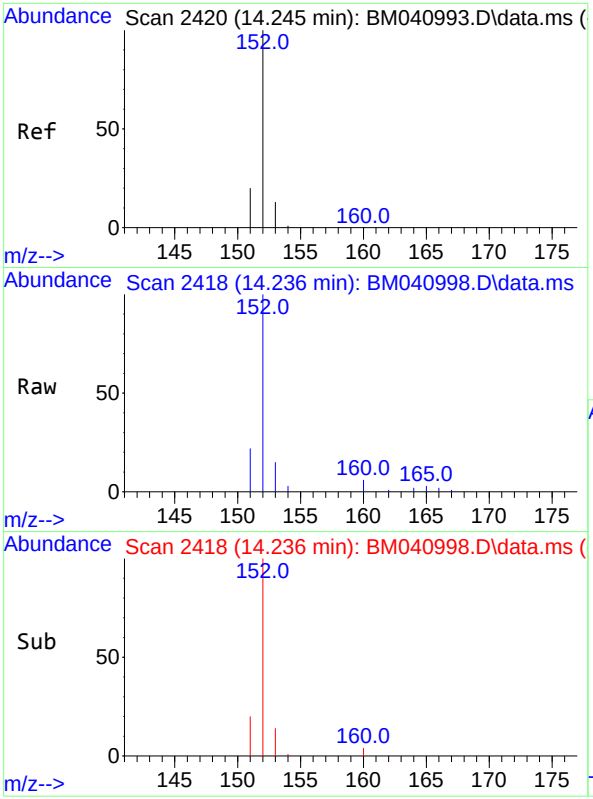


#8
1-Methylnaphthalene
Concen: 0.280 ng/ul
RT: 12.555 min Scan# 2084
Delta R.T. -0.011 min
Lab File: BM040998.D
Acq: 21 Jul 2023 02:02

Tgt Ion:142 Resp: 6227

Ion	Ratio	Lower	Upper
142	100		
141	95.1	73.4	110.2



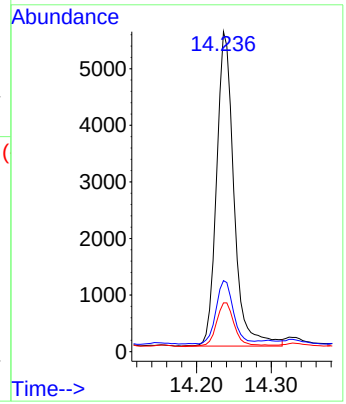


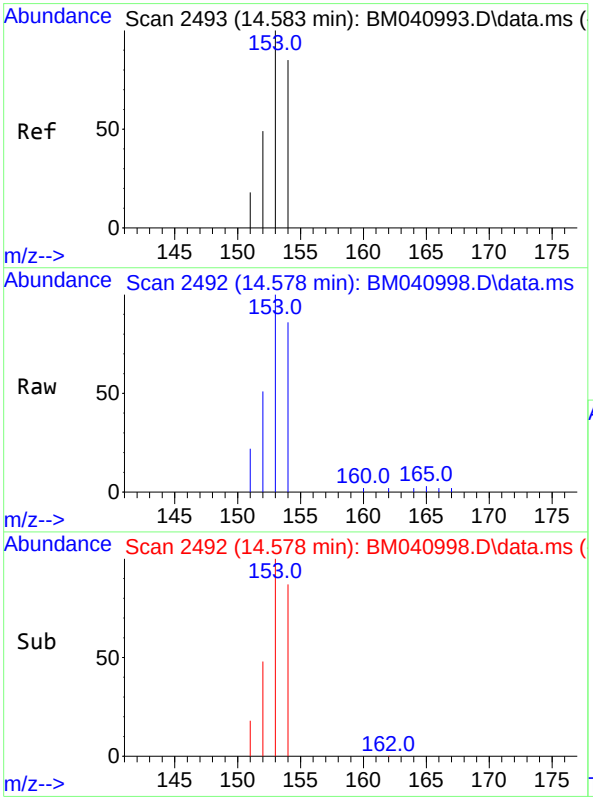
#10
Acenaphthylene
Concen: 0.454 ng/ul
RT: 14.236 min Scan# 24
Delta R.T. -0.014 min
Lab File: BM040998.D
Acq: 21 Jul 2023 02:02

Instrument :
BNA_M
ClientSampleId :
A46Q1MSD

Tgt Ion:152 Resp: 8987

Ion	Ratio	Lower	Upper
152	100		
151	22.2	16.8	25.2
153	15.2	11.6	17.4

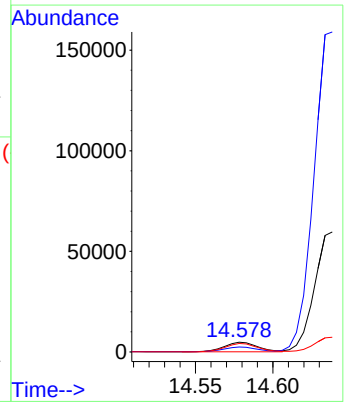


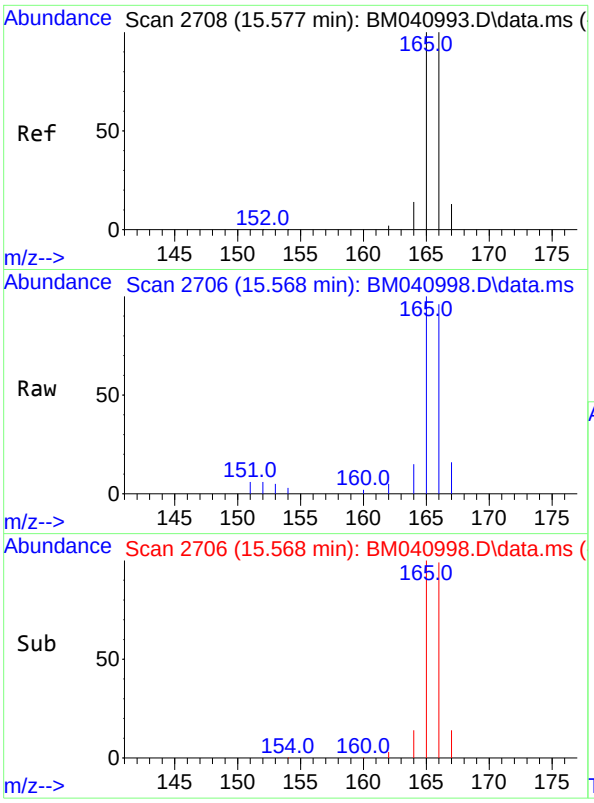


#11
Acenaphthene
Concen: 0.403 ng/ul
RT: 14.578 min Scan# 2492
Delta R.T. -0.009 min
Lab File: BM040998.D
Acq: 21 Jul 2023 02:02

Tgt Ion:153 Resp: 7029

Ion	Ratio	Lower	Upper
153	100		
152	51.4	41.0	61.6
154	86.3	68.2	102.2



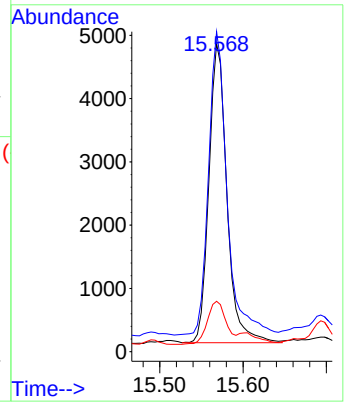


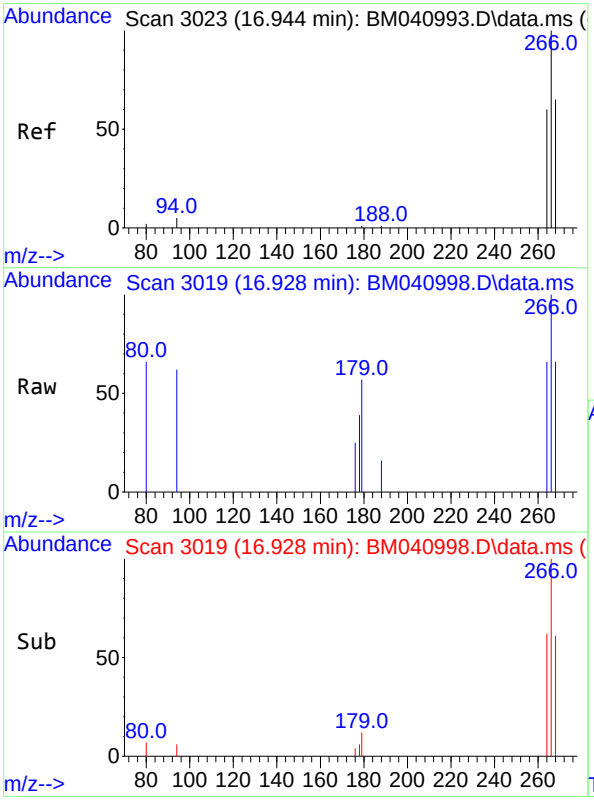
#12
Fluorene
Concen: 0.395 ng/ul
RT: 15.568 min Scan# 2
Delta R.T. -0.014 min
Lab File: BM040998.D
Acq: 21 Jul 2023 02:02

Instrument :
BNA_M
ClientSampleId :
A46Q1MSD

Tgt Ion:166 Resp: 7133

Ion	Ratio	Lower	Upper
166	100		
165	103.8	80.3	120.5
167	16.4	11.7	17.5

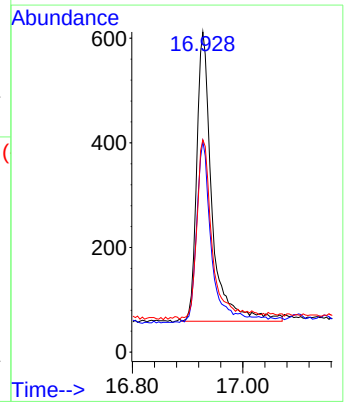


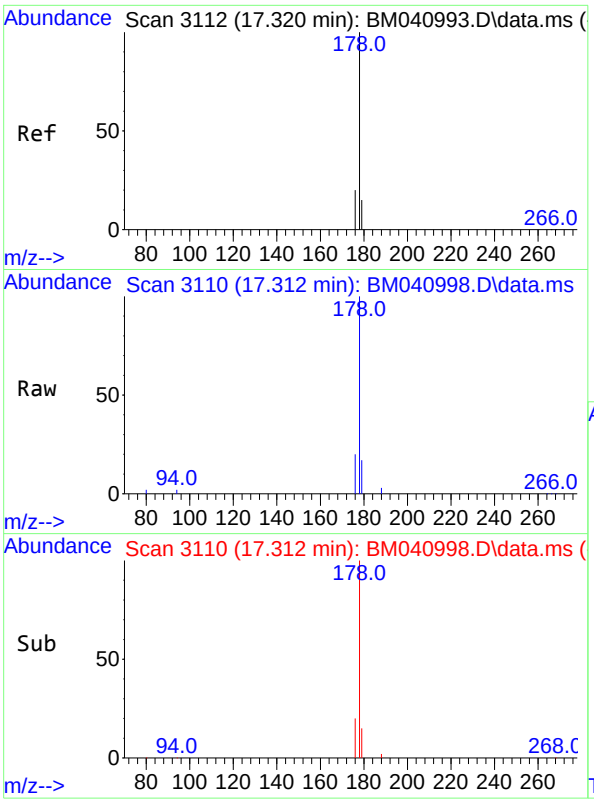


#14
Pentachlorophenol
Concen: 0.378 ng/ul
RT: 16.928 min Scan# 3019
Delta R.T. -0.046 min
Lab File: BM040998.D
Acq: 21 Jul 2023 02:02

Tgt Ion:266 Resp: 1061

Ion	Ratio	Lower	Upper
266	100		
264	62.9	50.7	76.1
268	63.7	52.8	79.2



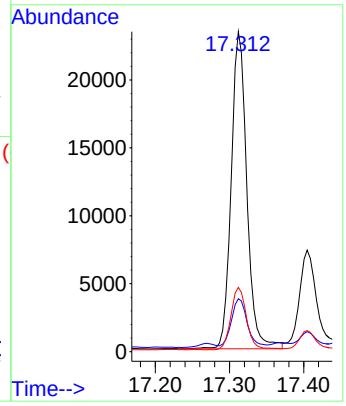


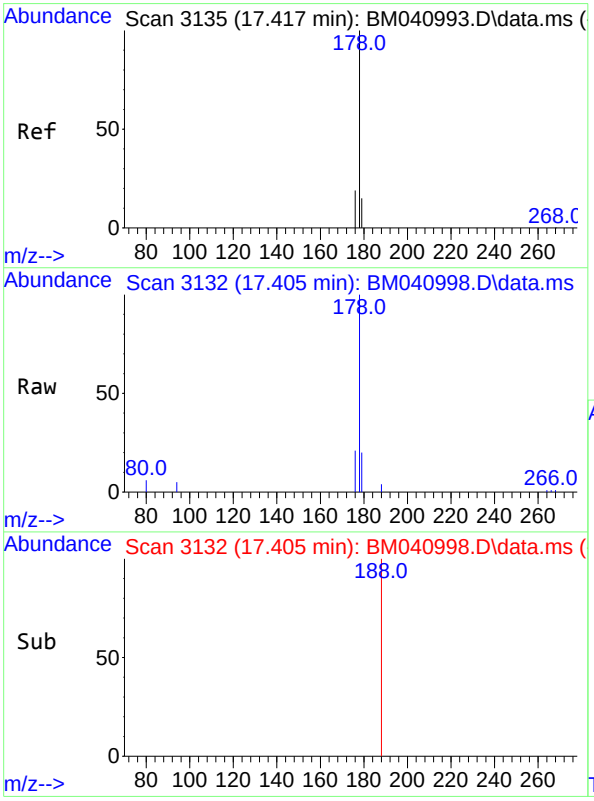
#15
Phenanthrene
Concen: 0.822 ng/ul
RT: 17.312 min Scan# 3
Delta R.T. -0.013 min
Lab File: BM040998.D
Acq: 21 Jul 2023 02:02

Instrument :
BNA_M
ClientSampleId :
A46Q1MSD

Tgt Ion:178 Resp: 34277

Ion	Ratio	Lower	Upper
178	100		
179	16.6	13.0	19.6
176	20.1	16.2	24.4

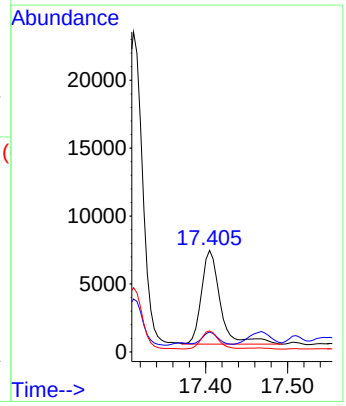


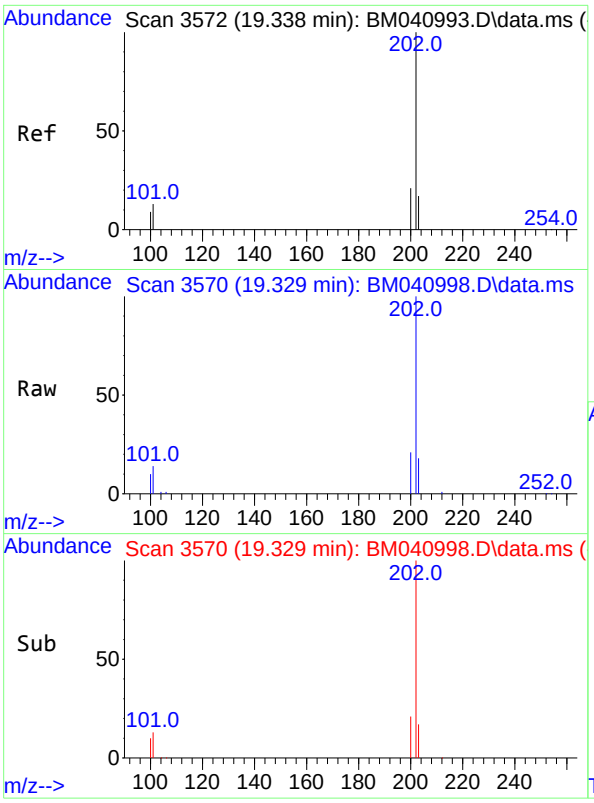


#16
Anthracene
Concen: 0.341 ng/ul
RT: 17.405 min Scan# 3132
Delta R.T. -0.017 min
Lab File: BM040998.D
Acq: 21 Jul 2023 02:02

Tgt Ion:178 Resp: 11082

Ion	Ratio	Lower	Upper
178	100		
179	19.6	13.7	20.5
176	20.8	16.4	24.6



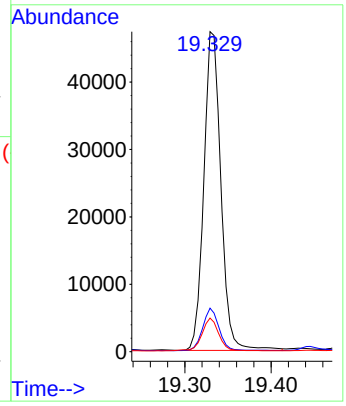


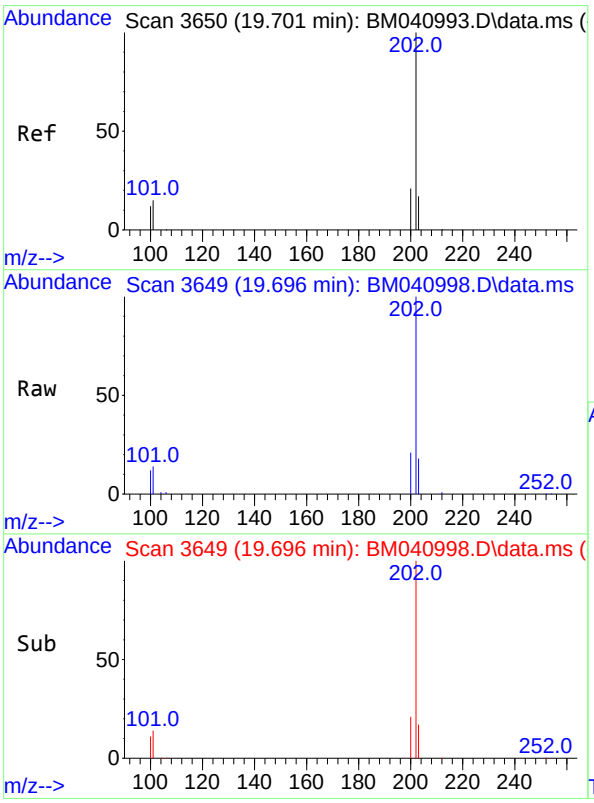
#19
Fluoranthene
Concen: 1.855 ng/ul
RT: 19.329 min Scan# 3
Delta R.T. -0.014 min
Lab File: BM040998.D
Acq: 21 Jul 2023 02:02

Instrument :
BNA_M
ClientSampleId :
A46Q1MSD

Tgt Ion:202 Resp: 65065

Ion	Ratio	Lower	Upper
202	100		
101	13.6	11.0	16.4
100	10.5	8.3	12.5

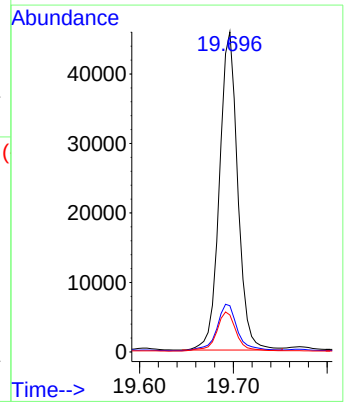


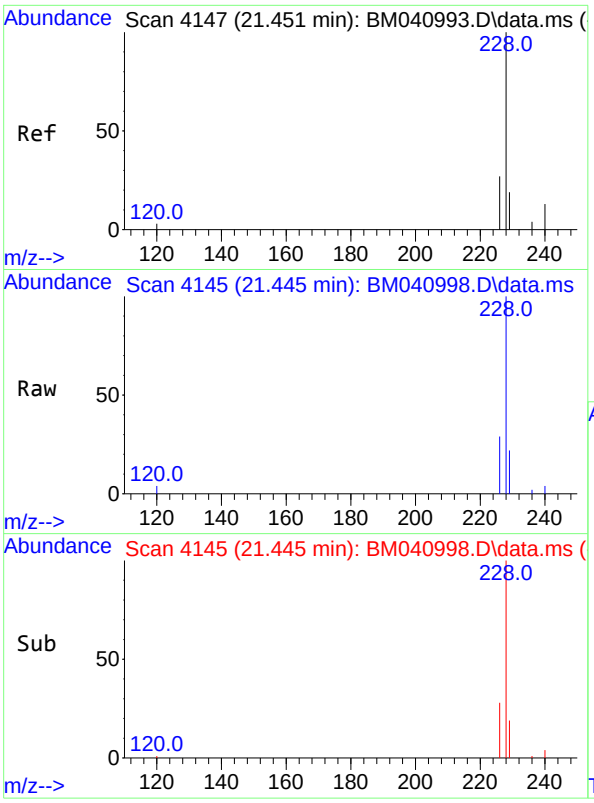


#20
Pyrene
Concen: 1.733 ng/ul
RT: 19.696 min Scan# 3649
Delta R.T. -0.009 min
Lab File: BM040998.D
Acq: 21 Jul 2023 02:02

Tgt Ion:202 Resp: 62110

Ion	Ratio	Lower	Upper
202	100		
101	14.5	12.5	18.7
100	11.5	10.0	15.0



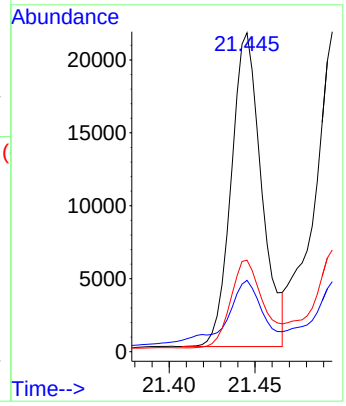


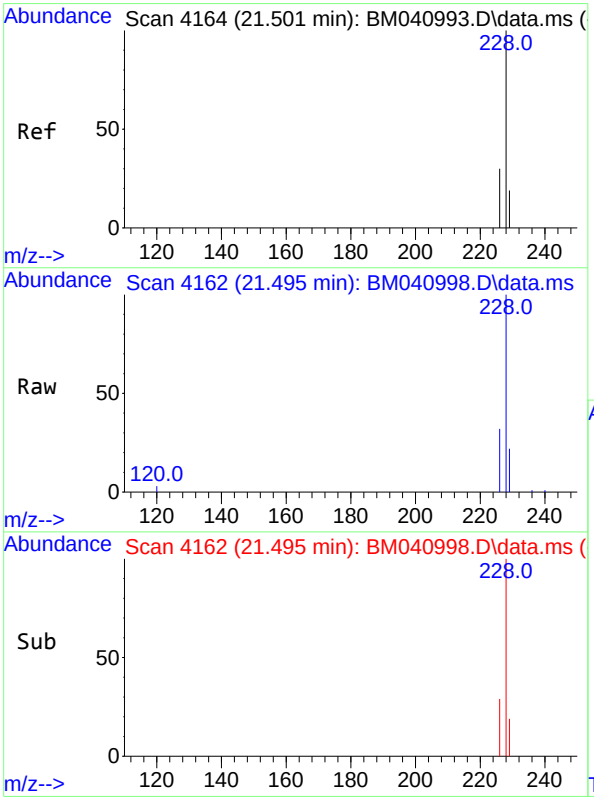
#21
Benzo(a)anthracene
Concen: 1.277 ng/ul
RT: 21.445 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM040998.D
Acq: 21 Jul 2023 02:02

Instrument :
BNA_M
ClientSampleId :
A46Q1MSD

Tgt Ion:228 Resp: 26433

Ion	Ratio	Lower	Upper
228	100		
229	22.4	16.2	24.4
226	28.7	22.3	33.5

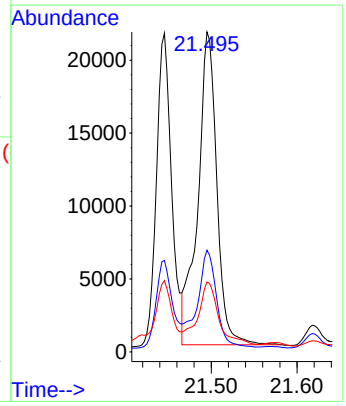


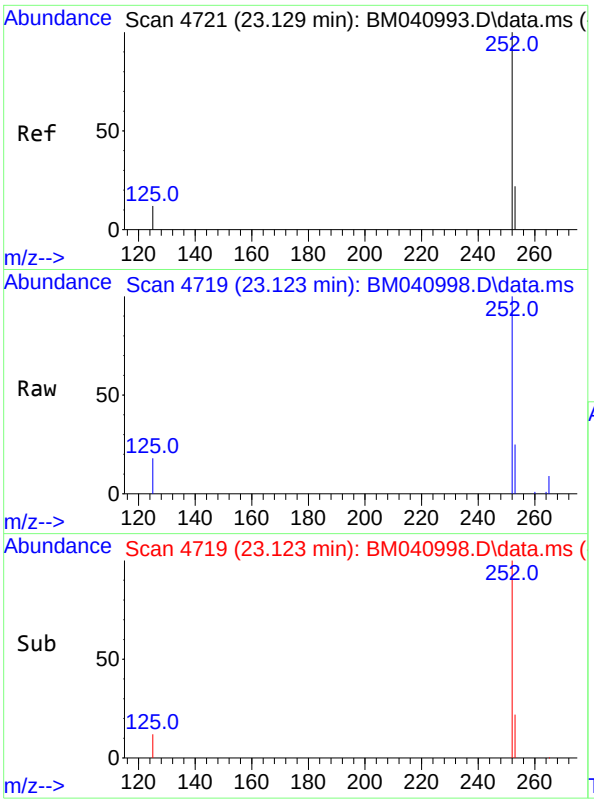


#22
Chrysene
Concen: 1.397 ng/ul
RT: 21.495 min Scan# 4162
Delta R.T. -0.012 min
Lab File: BM040998.D
Acq: 21 Jul 2023 02:02

Tgt Ion:228 Resp: 33039

Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.6	37.0
229	21.9	16.1	24.1



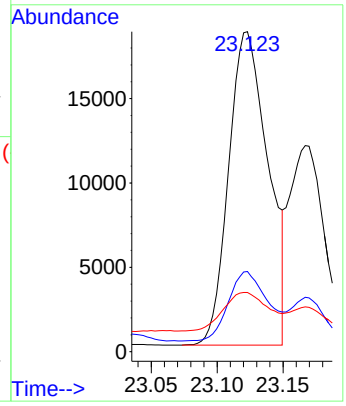


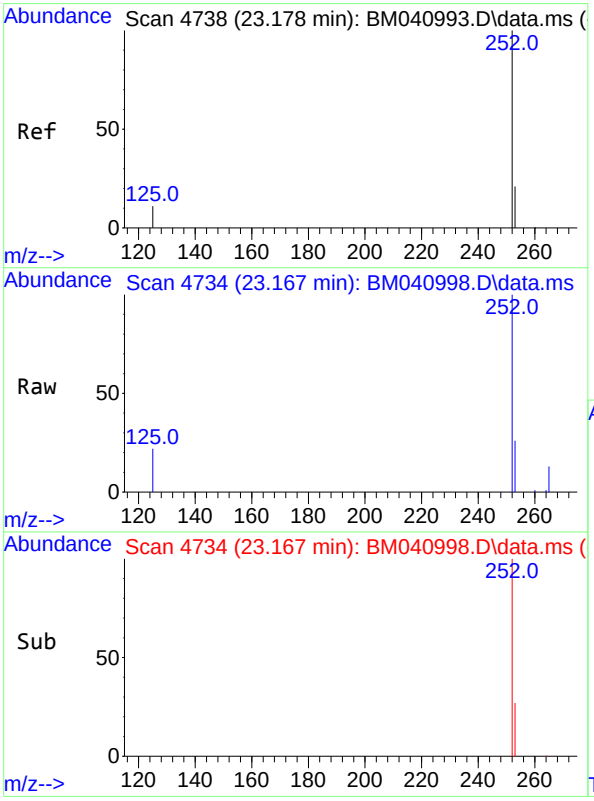
#24
Benzo(b)fluoranthene
Concen: 1.320 ng/ul
RT: 23.123 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM040998.D
Acq: 21 Jul 2023 02:02

Instrument :
BNA_M
ClientSampleId :
A46Q1MSD

Tgt Ion:252 Resp: 38602

Ion	Ratio	Lower	Upper
252	100		
253	25.0	0.0	57.4
125	18.5	0.0	45.2

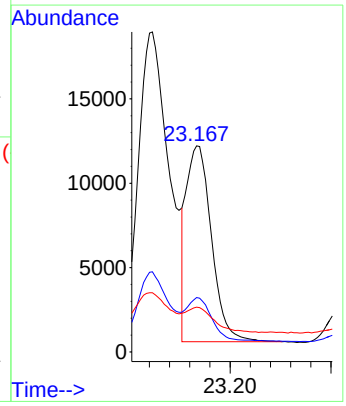


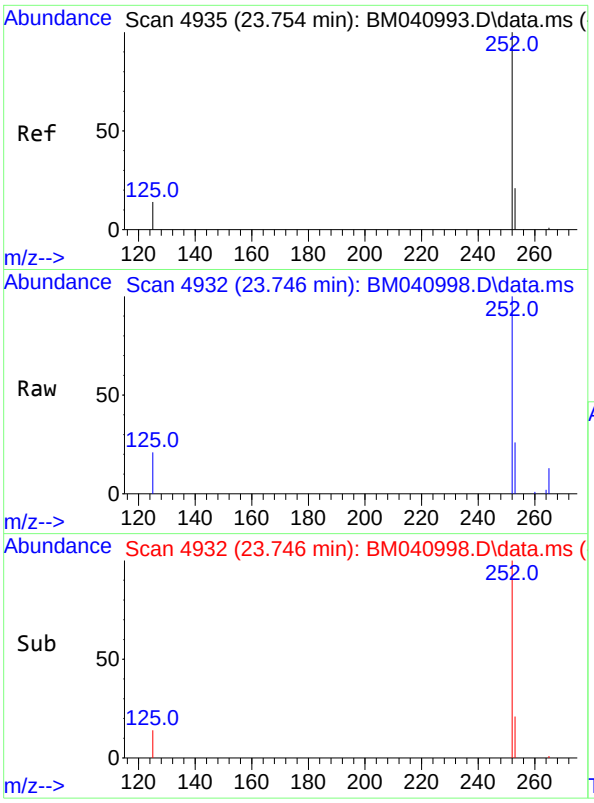


#25
Benzo(k)fluoranthene
Concen: 0.722 ng/ul
RT: 23.167 min Scan# 4734
Delta R.T. -0.020 min
Lab File: BM040998.D
Acq: 21 Jul 2023 02:02

Tgt Ion:252 Resp: 20061

Ion	Ratio	Lower	Upper
252	100		
253	26.4	23.3	34.9
125	21.7	18.2	27.2



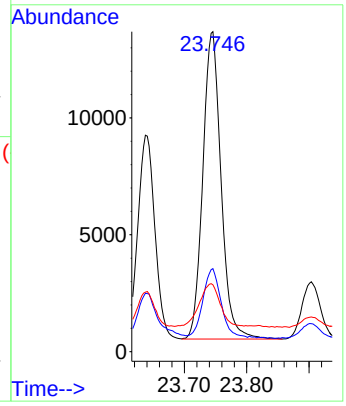


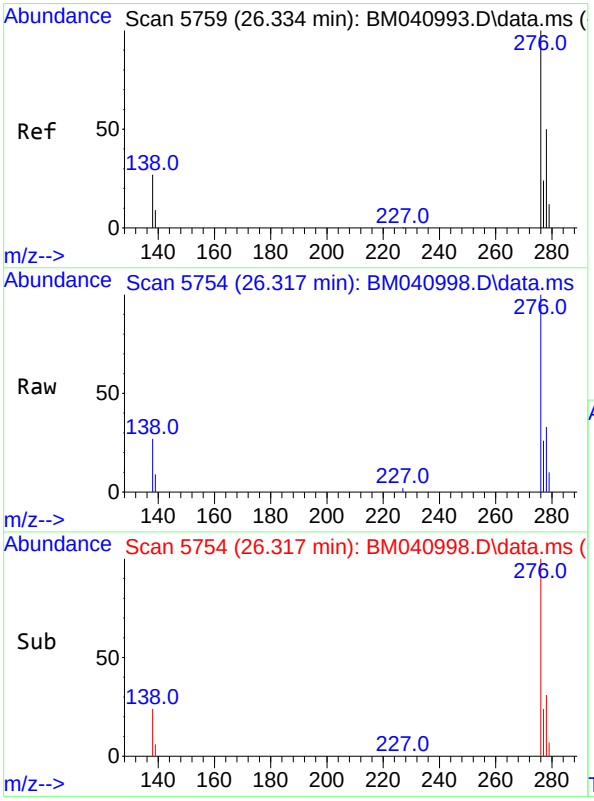
#26
Benzo(a)pyrene
Concen: 1.056 ng/ul
RT: 23.746 min Scan# 4
Delta R.T. -0.017 min
Lab File: BM040998.D
Acq: 21 Jul 2023 02:02

Instrument :
BNA_M
ClientSampleId :
A46Q1MSD

Tgt Ion:252 Resp: 26666

Ion	Ratio	Lower	Upper
252	100		
253	26.0	28.2	42.2#
125	20.9	25.2	37.8#

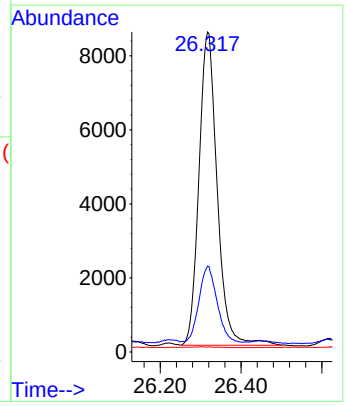


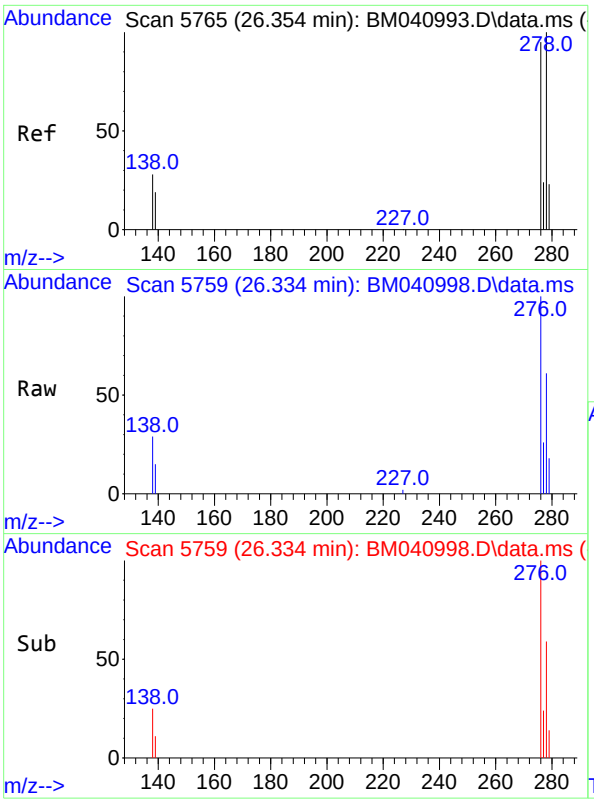


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.792 ng/ul
RT: 26.317 min Scan# 5754
Delta R.T. -0.033 min
Lab File: BM040998.D
Acq: 21 Jul 2023 02:02

Tgt Ion:276 Resp: 26531

Ion	Ratio	Lower	Upper
276	100		
138	24.7	22.3	33.5
227	0.0	0.0	0.0#



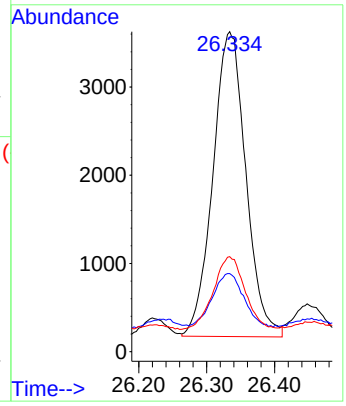


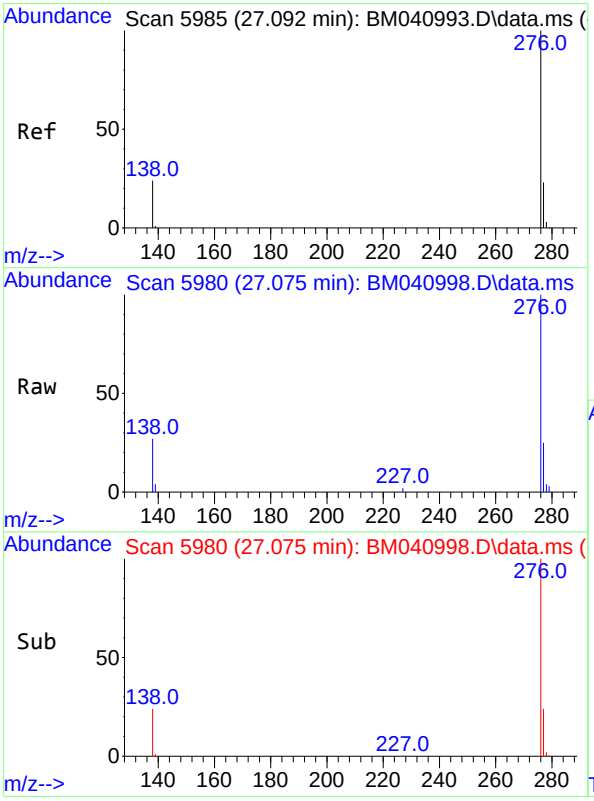
#28
Dibenzo(a,h)anthracene
Concen: 0.460 ng/ul
RT: 26.334 min Scan# 5
Delta R.T. -0.033 min
Lab File: BM040998.D
Acq: 21 Jul 2023 02:02

Instrument :
BNA_M
ClientSampleId :
A46Q1MSD

Tgt Ion:278 Resp: 11662

Ion	Ratio	Lower	Upper
278	100		
139	24.4	19.2	28.8
279	29.7	27.0	40.6





#29
Benzo(g,h,i)perylene
Concen: 0.849 ng/ul
RT: 27.075 min Scan# 5980
Delta R.T. -0.027 min
Lab File: BM040998.D
Acq: 21 Jul 2023 02:02

Tgt Ion:276 Resp: 26305

Ion	Ratio	Lower	Upper
276	100		
138	26.7	22.6	34.0
277	25.0	21.2	31.8