Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070823\
Data File : BM040787.D
Acq On : 09 Jul 2023 21:57
Operator : MA/JU
Sample : 03384-03MSD
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
YBW82MSD

Quant Time: Jul 10 00:54:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM062223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jul 09 14:07:58 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.887	152	3433	0.400	ng/ul	0.00
4) Naphthalene-d8	10.691	136	13262	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.532	164	6538	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.286	188	10951	0.400	ng/ul	0.00
17) Chrysene-d12	21.474	240	7978	0.400	ng/ul	0.00
23) Perylene-d12	23.868	264	7029	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.301	96	959	0.178	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.286	152	3954	0.213	ng/ul	0.00
18) Fluoranthene-d10	19.315	212	7689	0.301	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.334	88	2297	0.418	ng/ul#	88
5) Naphthalene	10.741	128	8341	0.228	ng/ul	96
7) 2-Methylnaphthalene	12.357	142	4651	0.216	ng/ul	96
8) 1-Methylnaphthalene	12.577	142	4630	0.216	ng/ul	99
10) Acenaphthylene	14.254	152	6669	0.228	ng/ul	95
11) Acenaphthene	14.597	153	6064	0.246	ng/ul	95
12) Fluorene	15.587	166	6318	0.240	ng/ul	99
14) Pentachlorophenol	16.944	266	638	0.303	ng/ul	91
15) Phenanthrene	17.329	178	8983	0.264	ng/ul	96
16) Anthracene	17.421	178	7867	0.275	ng/ul	94
19) Fluoranthene	19.343	202	9725	0.287	ng/ul	96
20) Pyrene	19.710	202	10423	0.287	ng/ul	97
21) Benzo(a)anthracene	21.460	228	7017	0.260	ng/ul	97
22) Chrysene	21.512	228	8168	0.265	ng/ul	99
24) Benzo(b)fluoranthene	23.137	252	7257	0.267	ng/ul	89
25) Benzo(k)fluoranthene	23.181	252	7894	0.294	ng/ul#	88
26) Benzo(a)pyrene	23.763	252	6144	0.251	ng/ul#	82
27) Indeno(1,2,3-cd)pyrene	26.347	276	8474	0.248	ng/ul#	95
28) Dibenzo(a,h)anthracene	26.367	278	6647	0.249	ng/ul#	91
29) Benzo(g,h,i)perylene	27.108	276	7444	0.249	ng/ul	95

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

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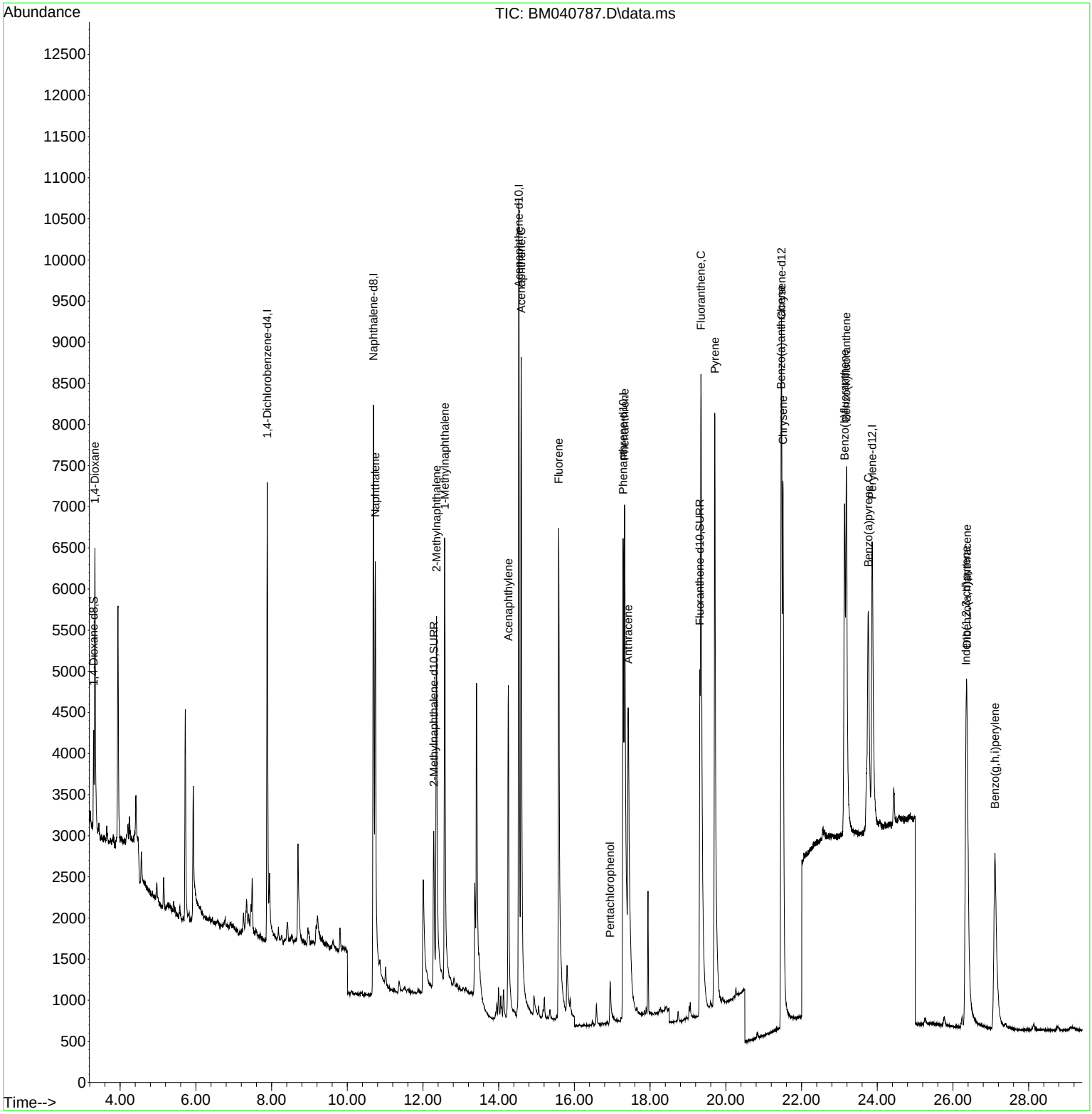
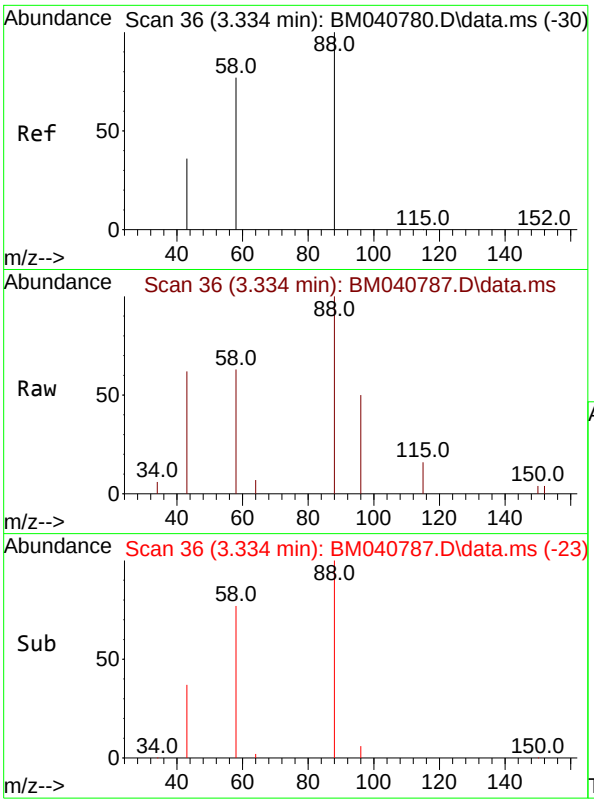


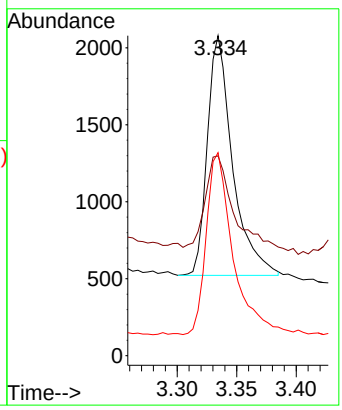


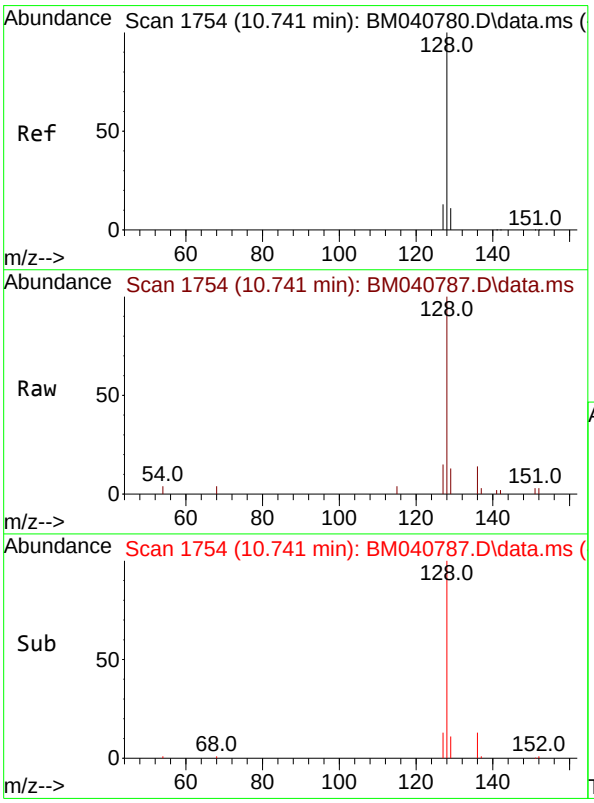
#2
1,4-Dioxane
Concen: 0.418 ng/ul
RT: 3.334 min Scan# 3
Delta R.T. -0.004 min
Lab File: BM040787.D
Acq: 09 Jul 2023 21:57

Instrument :
BNA_M
ClientSampleId :
YBW82MSD

Tgt Ion: 88 Resp: 2297

Ion	Ratio	Lower	Upper
88	100		
43	62.5	36.1	54.1#
58	63.4	49.8	74.8

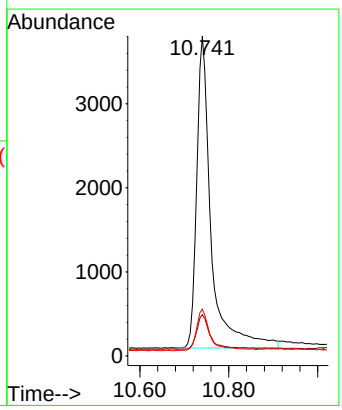


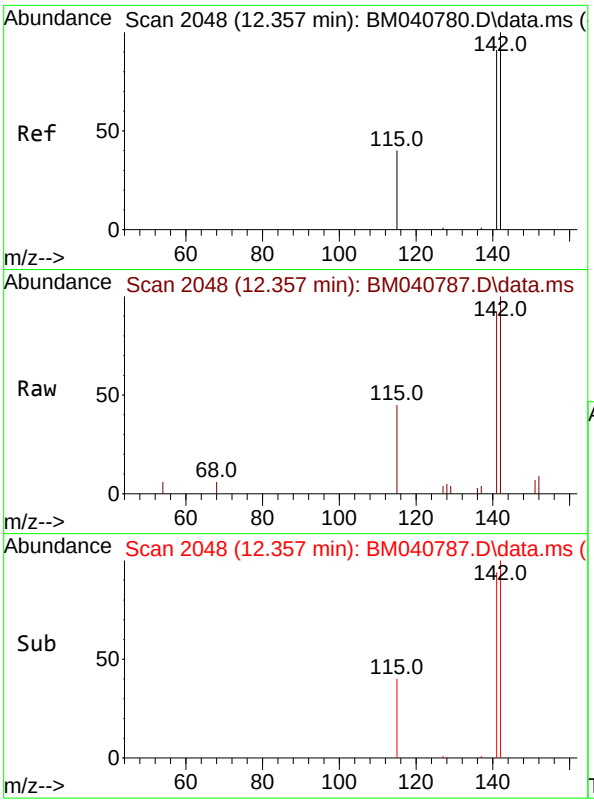


#5
Naphthalene
Concen: 0.228 ng/ul
RT: 10.741 min Scan# 1754
Delta R.T. -0.006 min
Lab File: BM040787.D
Acq: 09 Jul 2023 21:57

Tgt Ion:128 Resp: 8341

Ion	Ratio	Lower	Upper
128	100		
129	12.9	9.2	13.8
127	14.7	10.6	15.8



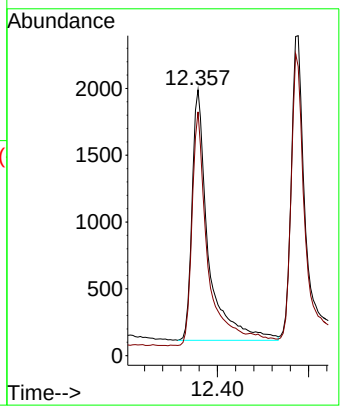


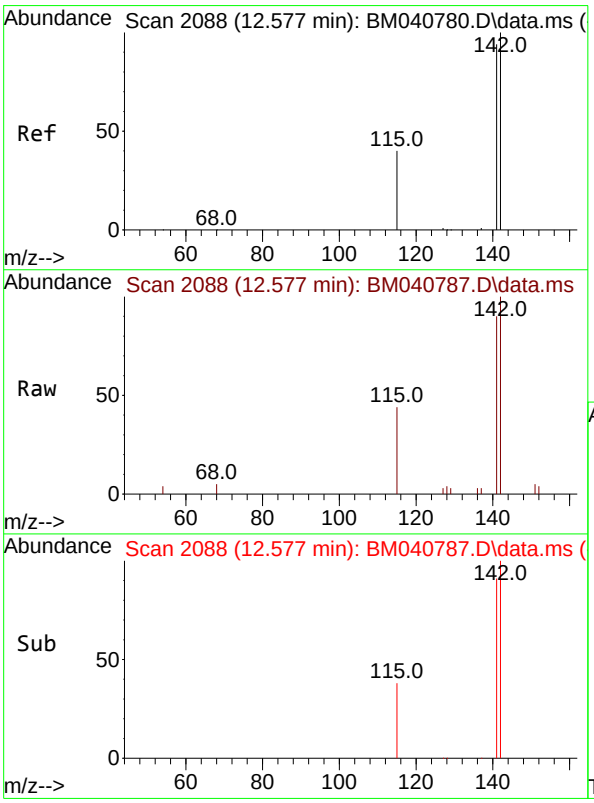
#7
2-Methylnaphthalene
Concen: 0.216 ng/ul
RT: 12.357 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BM040787.D
Acq: 09 Jul 2023 21:57

Instrument :
BNA_M
ClientSampleId :
YBW82MSD

Tgt Ion:142 Resp: 4651

Ion	Ratio	Lower	Upper
142	100		
141	94.0	71.9	107.9

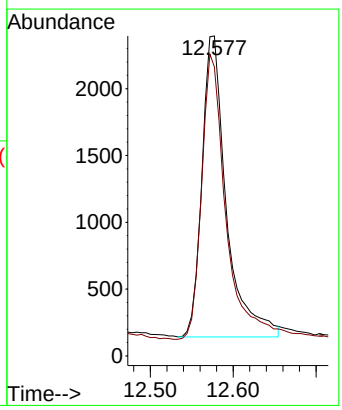


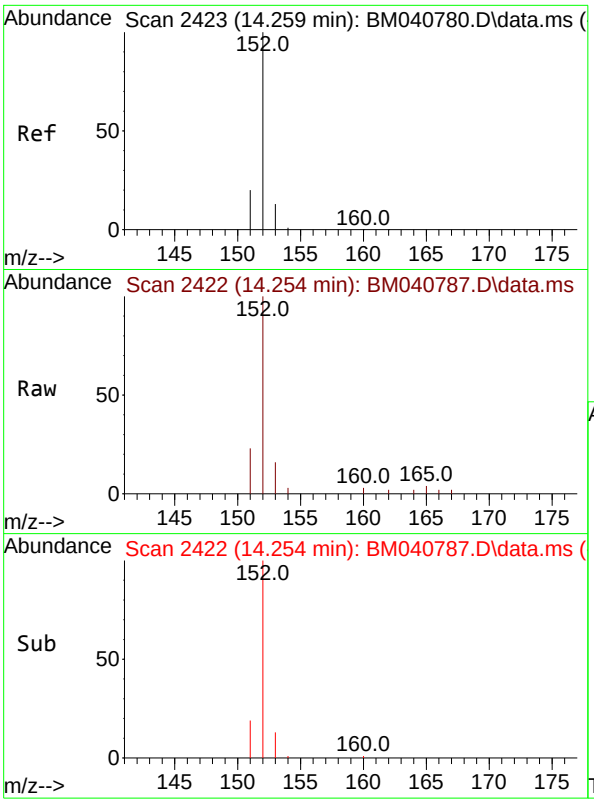


#8
1-Methylnaphthalene
Concen: 0.216 ng/ul
RT: 12.577 min Scan# 2088
Delta R.T. -0.006 min
Lab File: BM040787.D
Acq: 09 Jul 2023 21:57

Tgt Ion:142 Resp: 4630

Ion	Ratio	Lower	Upper
142	100		
141	93.1	73.7	110.5



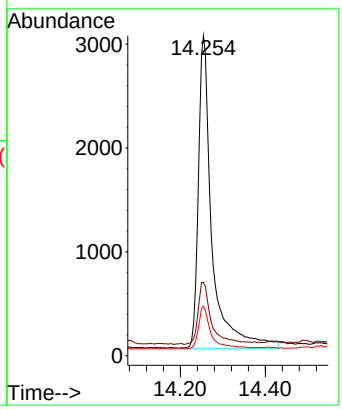


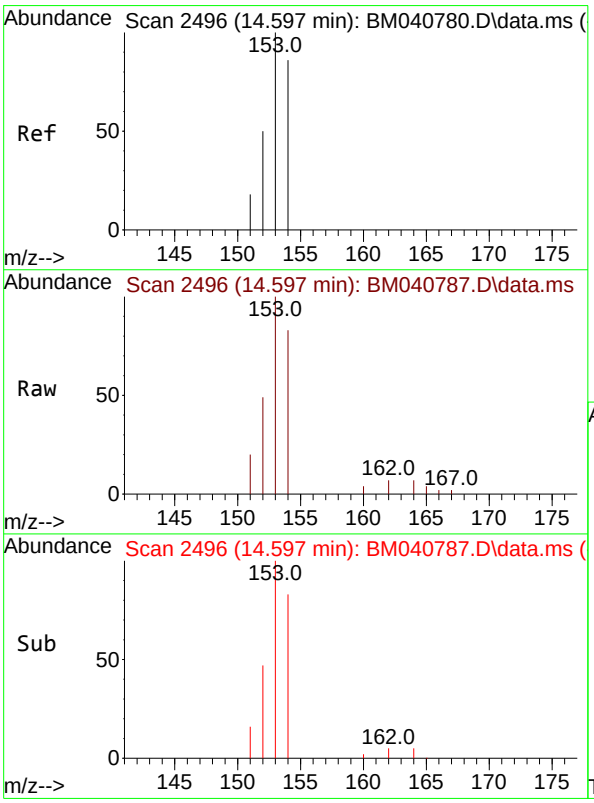
#10
Acenaphthylene
Concen: 0.228 ng/ul
RT: 14.254 min Scan# 24
Delta R.T. -0.005 min
Lab File: BM040787.D
Acq: 09 Jul 2023 21:57

Instrument :
BNA_M
ClientSampleId :
YBW82MSD

Tgt Ion:152 Resp: 6669

Ion	Ratio	Lower	Upper
152	100		
151	22.8	16.2	24.2
153	15.5	10.9	16.3

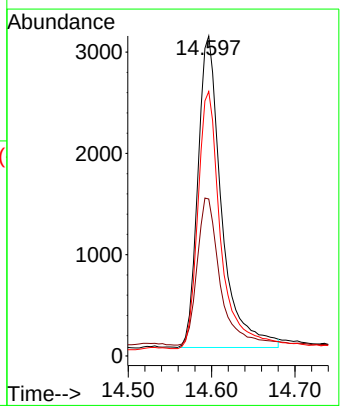


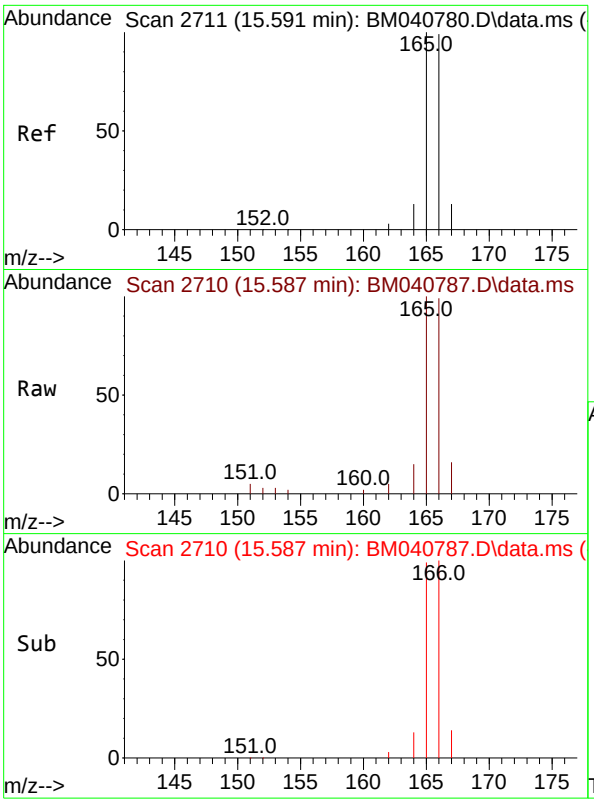


#11
Acenaphthene
Concen: 0.246 ng/ul
RT: 14.597 min Scan# 2496
Delta R.T. -0.005 min
Lab File: BM040787.D
Acq: 09 Jul 2023 21:57

Tgt Ion:153 Resp: 6064

Ion	Ratio	Lower	Upper
153	100		
152	49.1	41.0	61.4
154	82.7	70.8	106.2



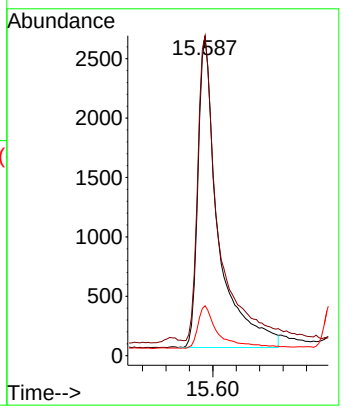


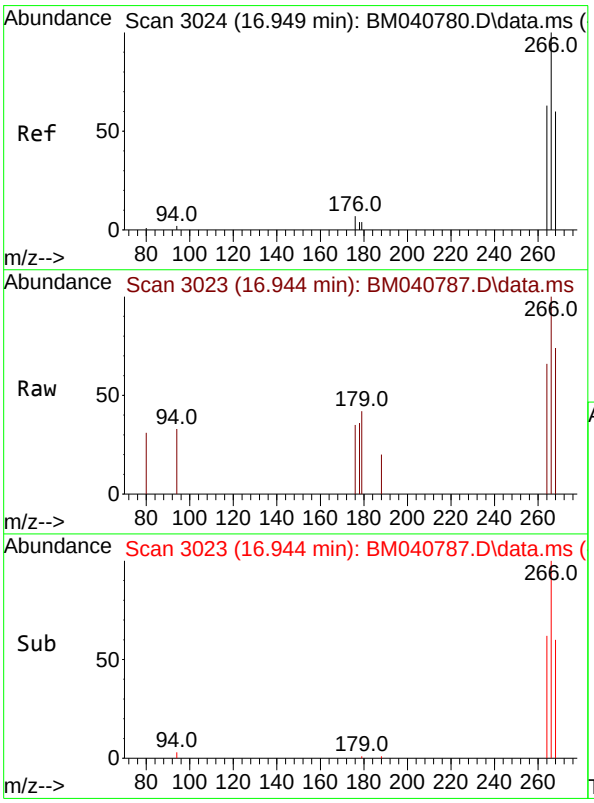
#12
Fluorene
Concen: 0.240 ng/ul
RT: 15.587 min Scan# 2
Delta R.T. -0.005 min
Lab File: BM040787.D
Acq: 09 Jul 2023 21:57

Instrument :
BNA_M
ClientSampleId :
YBW82MSD

Tgt Ion:166 Resp: 6318

Ion	Ratio	Lower	Upper
166	100		
165	100.7	79.6	119.4
167	15.7	11.4	17.0

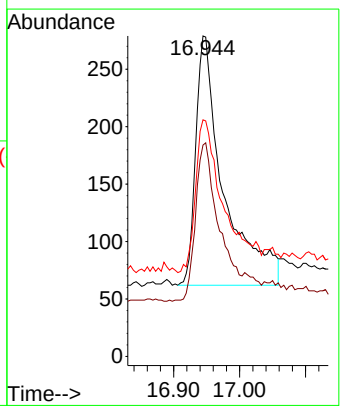


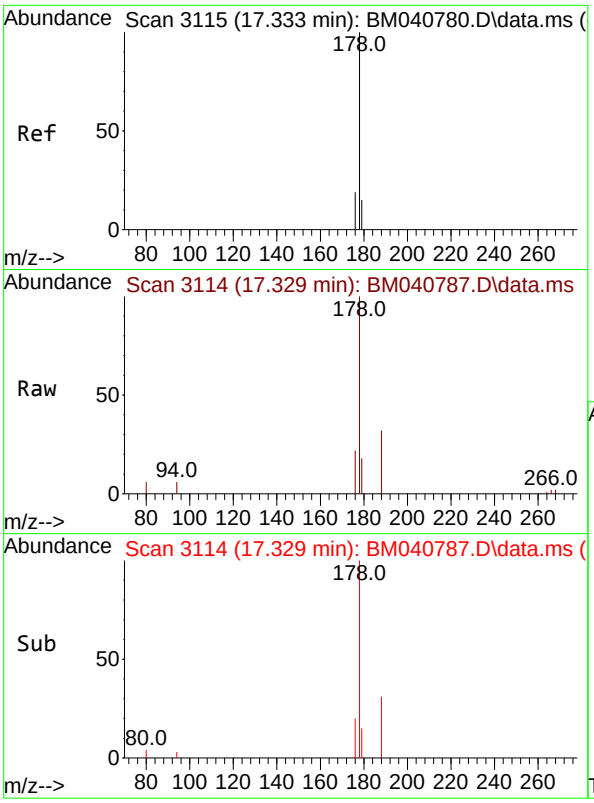


#14
Pentachlorophenol
Concen: 0.303 ng/ul
RT: 16.944 min Scan# 3023
Delta R.T. -0.008 min
Lab File: BM040787.D
Acq: 09 Jul 2023 21:57

Tgt Ion:266 Resp: 638

Ion	Ratio	Lower	Upper
266	100		
264	62.9	45.4	68.0
268	66.3	47.2	70.8



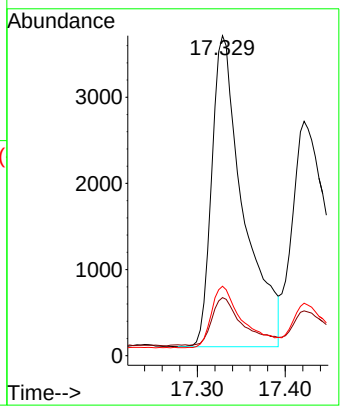


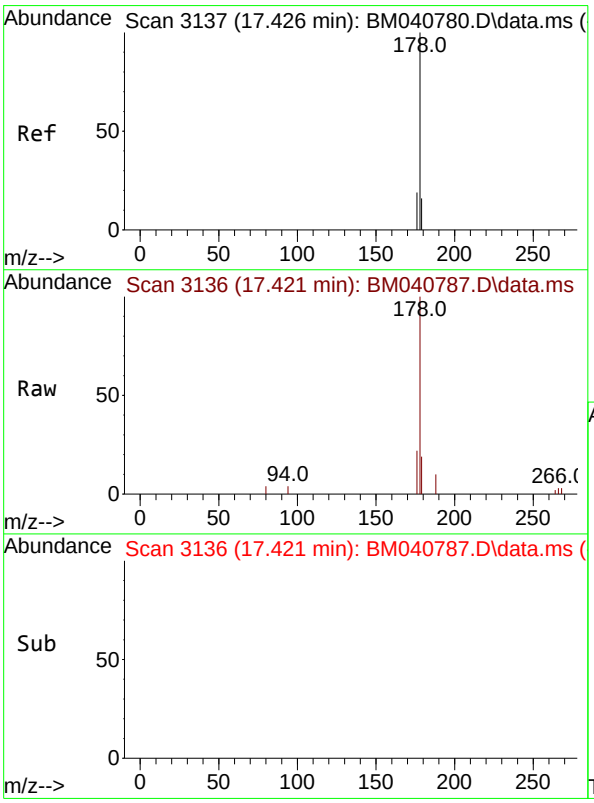
#15
Phenanthrene
Concen: 0.264 ng/ul
RT: 17.329 min Scan# 3
Delta R.T. -0.008 min
Lab File: BM040787.D
Acq: 09 Jul 2023 21:57

Instrument :
BNA_M
ClientSampleId :
YBW82MSD

Tgt Ion:178 Resp: 8983

Ion	Ratio	Lower	Upper
178	100		
179	18.1	12.8	19.2
176	21.7	16.4	24.6

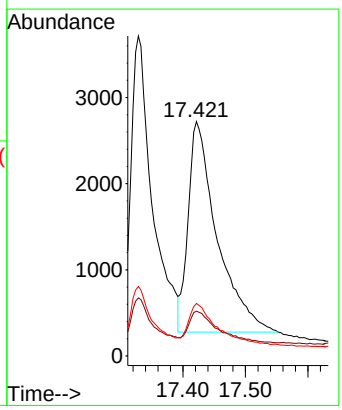


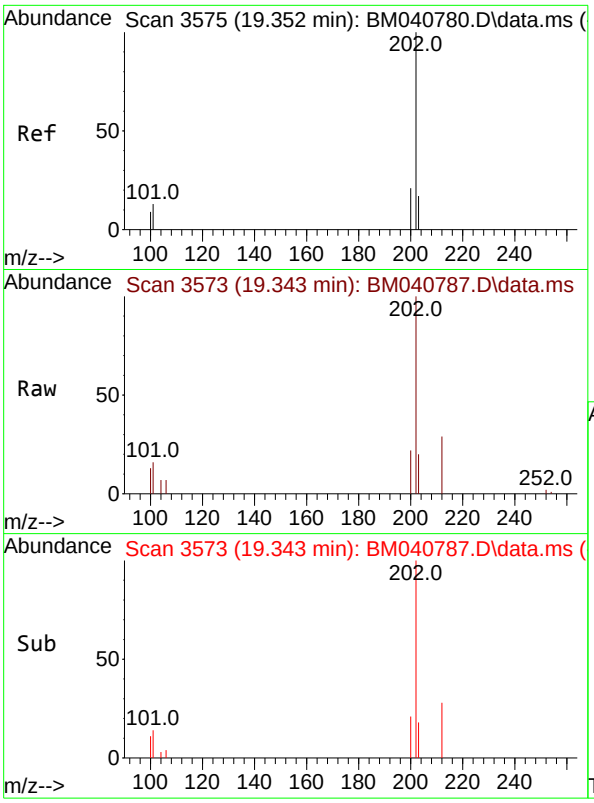


#16
Anthracene
Concen: 0.275 ng/ul
RT: 17.421 min Scan# 3136
Delta R.T. -0.008 min
Lab File: BM040787.D
Acq: 09 Jul 2023 21:57

Tgt Ion:178 Resp: 7867

Ion	Ratio	Lower	Upper
178	100		
179	19.1	12.9	19.3
176	22.4	15.8	23.6



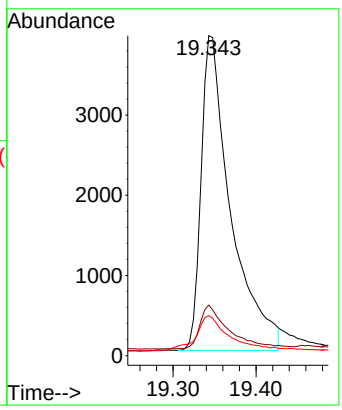


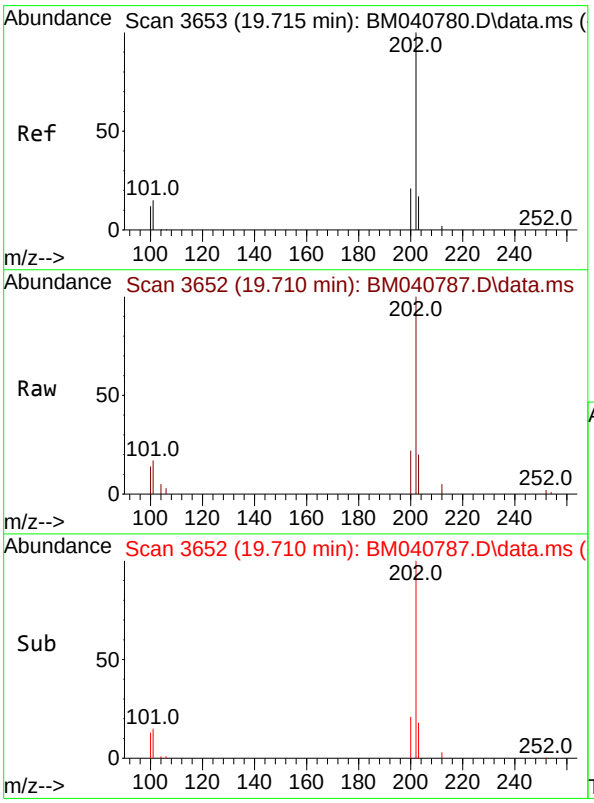
#19
Fluoranthene
Concen: 0.287 ng/ul
RT: 19.343 min Scan# 3
Delta R.T. -0.009 min
Lab File: BM040787.D
Acq: 09 Jul 2023 21:57

Instrument :
BNA_M
ClientSampleId :
YBW82MSD

Tgt Ion:202 Resp: 9725

Ion	Ratio	Lower	Upper
202	100		
101	15.8	11.4	17.0
100	12.5	8.7	13.1

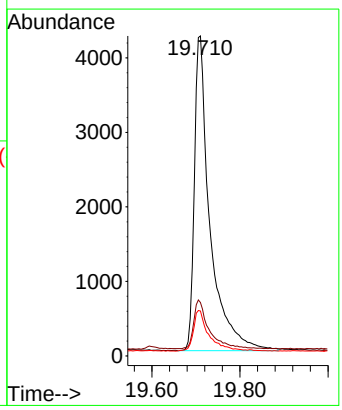


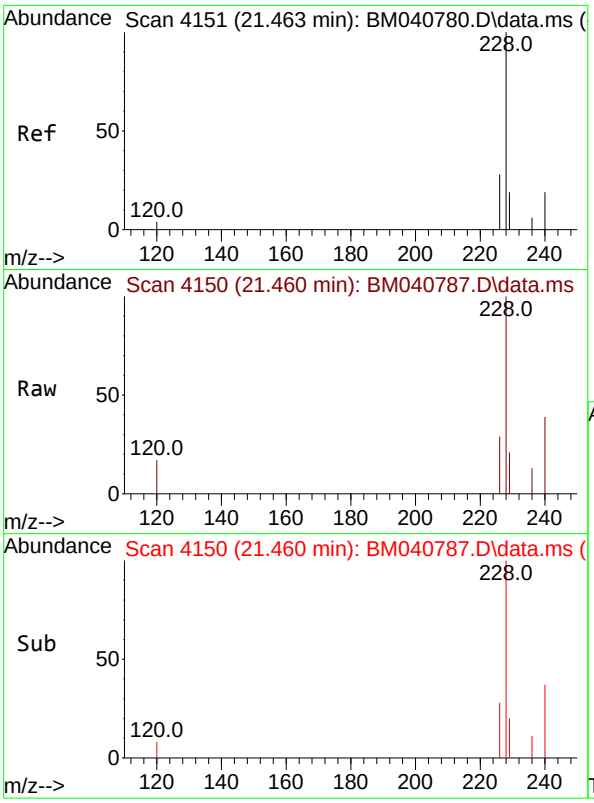


#20
Pyrene
Concen: 0.287 ng/ul
RT: 19.710 min Scan# 3652
Delta R.T. -0.005 min
Lab File: BM040787.D
Acq: 09 Jul 2023 21:57

Tgt Ion:202 Resp: 10423

Ion	Ratio	Lower	Upper
202	100		
101	16.7	12.6	18.8
100	14.1	9.8	14.6



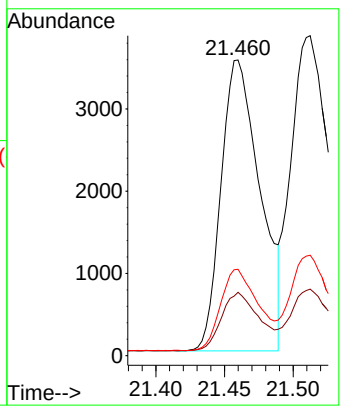


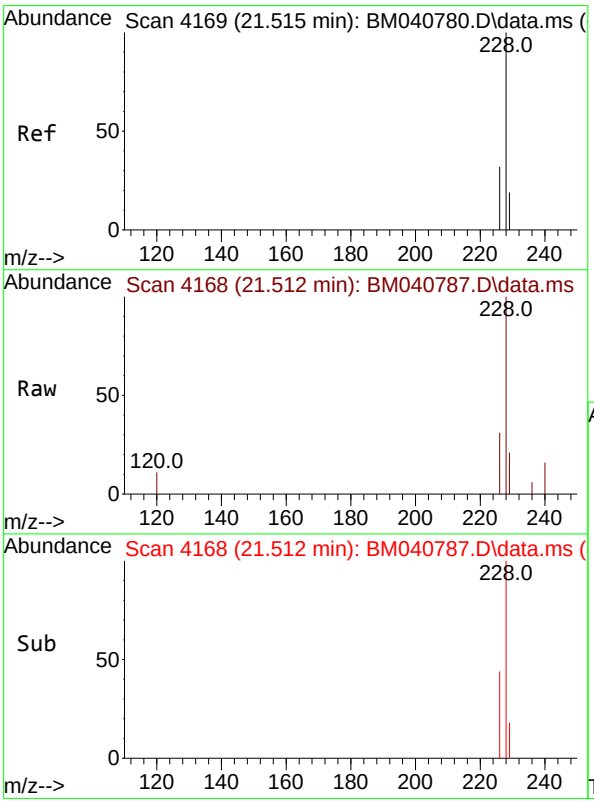
#21
Benzo(a)anthracene
Concen: 0.260 ng/ul
RT: 21.460 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM040787.D
Acq: 09 Jul 2023 21:57

Instrument :
BNA_M
ClientSampleId :
YBW82MSD

Tgt Ion:228 Resp: 7017

Ion	Ratio	Lower	Upper
228	100		
229	21.4	16.0	24.0
226	29.2	22.3	33.5

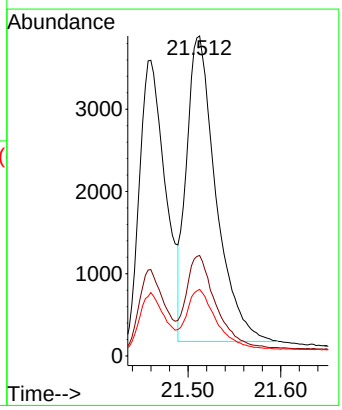


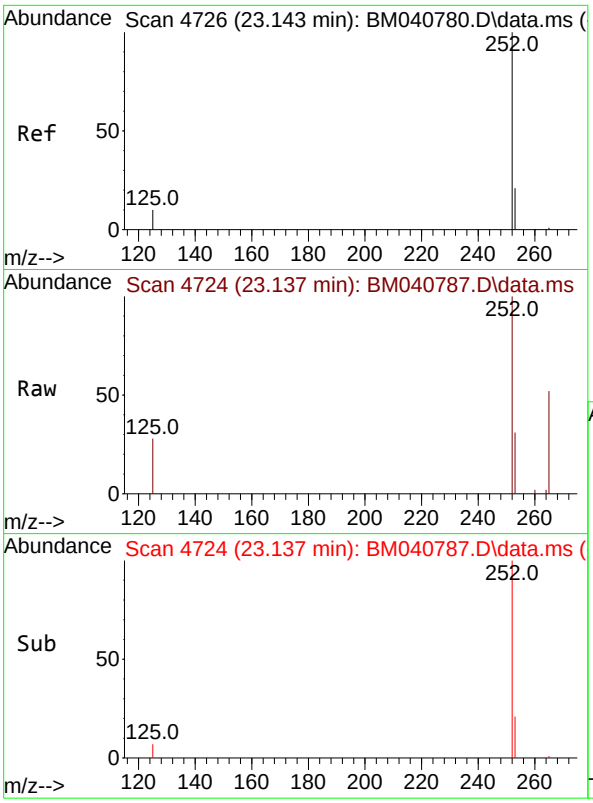


#22
Chrysene
Concen: 0.265 ng/ul
RT: 21.512 min Scan# 4168
Delta R.T. -0.003 min
Lab File: BM040787.D
Acq: 09 Jul 2023 21:57

Tgt Ion:228 Resp: 8168

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.9	37.3
229	20.8	15.8	23.6



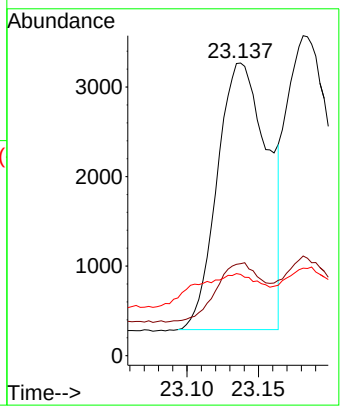


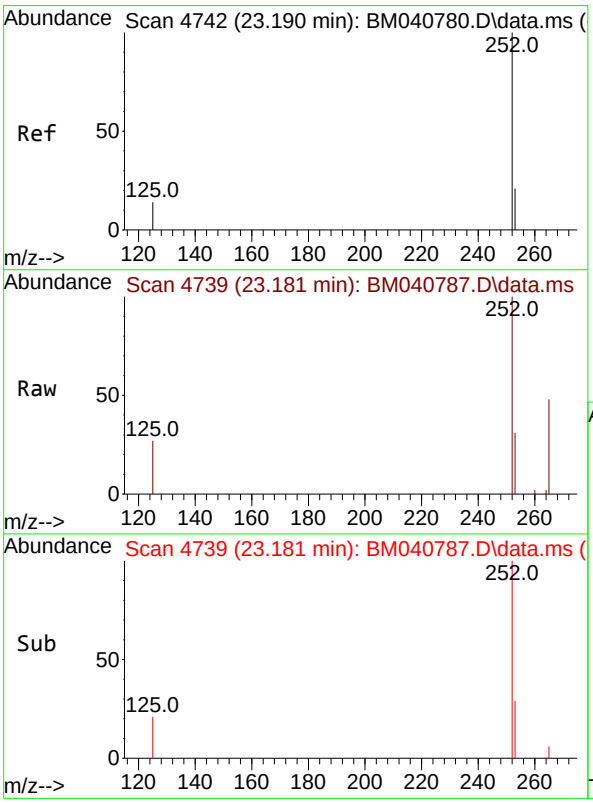
#24
Benzo(b)fluoranthene
Concen: 0.267 ng/ul
RT: 23.137 min Scan# 4
Delta R.T. -0.009 min
Lab File: BM040787.D
Acq: 09 Jul 2023 21:57

Instrument :
BNA_M
ClientSampleId :
YBW82MSD

Tgt Ion:252 Resp: 7257

Ion	Ratio	Lower	Upper
252	100		
253	31.4	0.0	52.8
125	27.8	0.0	43.0

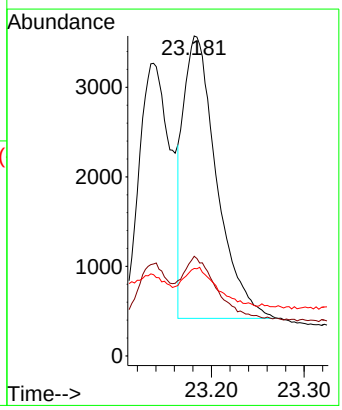


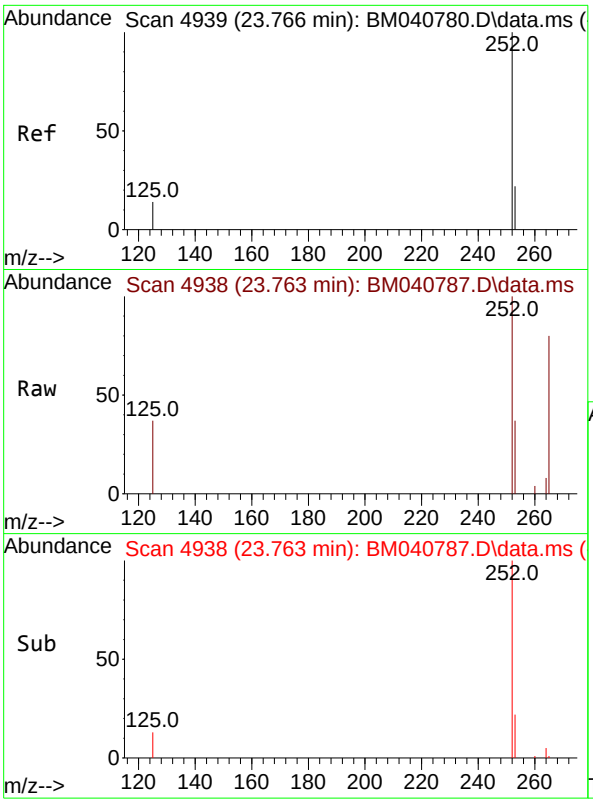


#25
Benzo(k)fluoranthene
Concen: 0.294 ng/ul
RT: 23.181 min Scan# 4739
Delta R.T. -0.012 min
Lab File: BM040787.D
Acq: 09 Jul 2023 21:57

Tgt Ion:252 Resp: 7894

Ion	Ratio	Lower	Upper
252	100		
253	31.2	21.2	31.8
125	27.4	16.4	24.6#



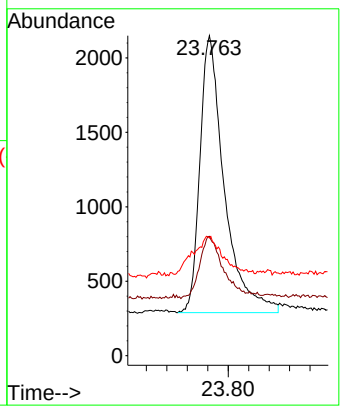


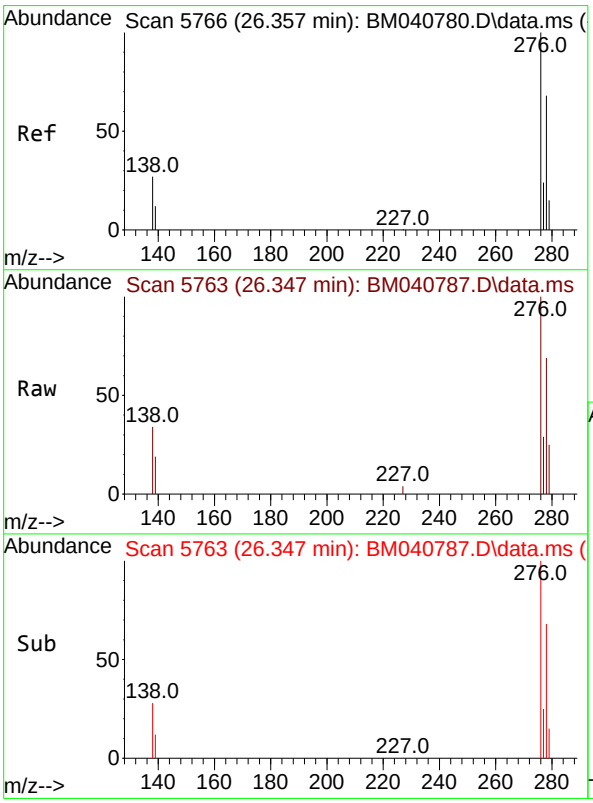
#26
Benzo(a)pyrene
Concen: 0.251 ng/ul
RT: 23.763 min Scan# 4
Delta R.T. -0.009 min
Lab File: BM040787.D
Acq: 09 Jul 2023 21:57

Instrument :
BNA_M
ClientSampleId :
YBW82MSD

Tgt Ion:252 Resp: 6144

Ion	Ratio	Lower	Upper
252	100		
253	37.3	22.9	34.3#
125	36.8	21.0	31.4#

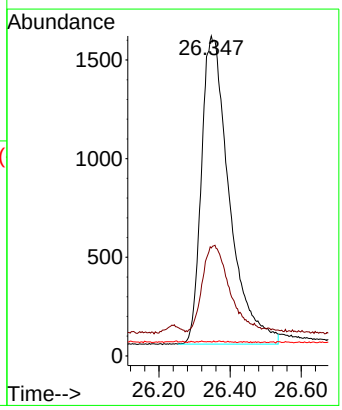


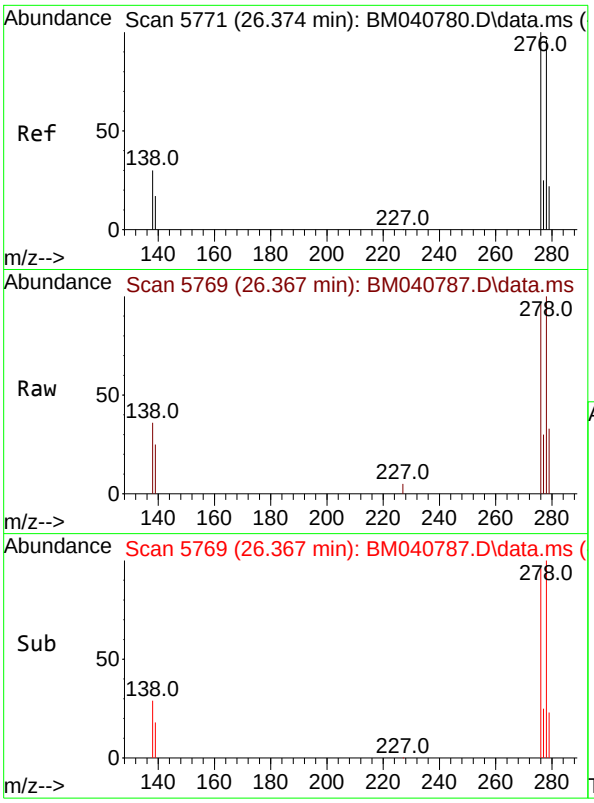


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.248 ng/ul
RT: 26.347 min Scan# 5763
Delta R.T. -0.010 min
Lab File: BM040787.D
Acq: 09 Jul 2023 21:57

Tgt Ion:276 Resp: 8474

Ion	Ratio	Lower	Upper
276	100		
138	27.7	24.5	36.7
227	0.0	0.1	0.1#



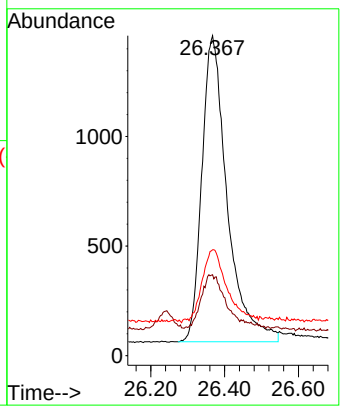


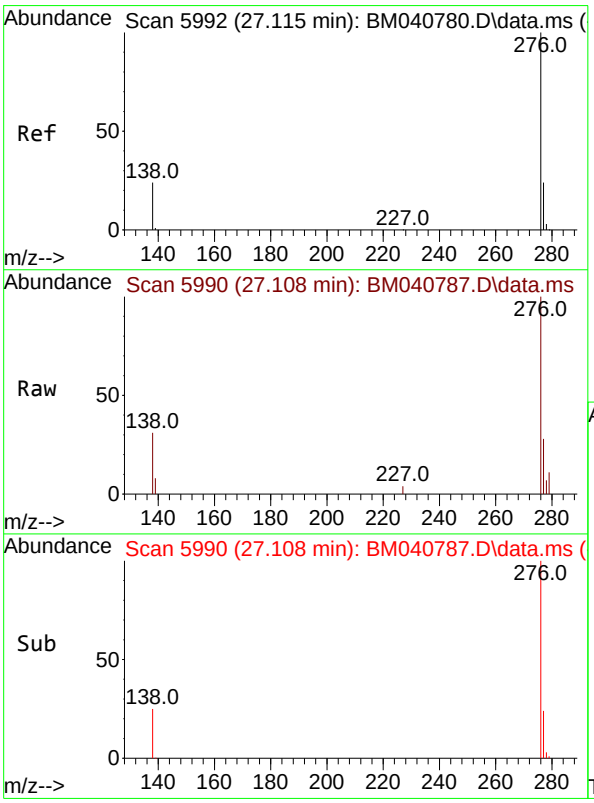
#28
Dibenzo(a,h)anthracene
Concen: 0.249 ng/ul
RT: 26.367 min Scan# 5
Delta R.T. -0.003 min
Lab File: BM040787.D
Acq: 09 Jul 2023 21:57

Instrument :
BNA_M
ClientSampleId :
YBW82MSD

Tgt Ion:278 Resp: 6647

Ion	Ratio	Lower	Upper
278	100		
139	25.3	17.9	26.9
279	33.1	22.0	33.0#





#29
Benzo(g,h,i)perylene
Concen: 0.249 ng/ul
RT: 27.108 min Scan# 5990
Delta R.T. -0.013 min
Lab File: BM040787.D
Acq: 09 Jul 2023 21:57

Tgt Ion:276 Resp: 7444

Ion	Ratio	Lower	Upper
276	100		
138	31.1	23.0	34.6
277	28.4	20.3	30.5