Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070823\
Data File : BM040774.D
Acq On : 09 Jul 2023 13:15
Operator : MA/JU
Sample : 03356-11MSD
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
YBW38MSD

Quant Time: Jul 09 14:45:40 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	7.891	152	3980	0.400	ng/ul	0.00
4) Naphthalene-d8	10.691	136	14447	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.532	164	6451	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.291	188	10622	0.400	ng/ul	0.00
17) Chrysene-d12	21.480	240	6737	0.400	ng/ul	0.00
23) Perylene-d12	23.871	264	5757	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.301	96	3936	0.630	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.286	152	6045	0.298	ng/ul	0.00
18) Fluoranthene-d10	19.315	212	8644	0.400	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.334	88	9695	1.524	ng/ul	91
5) Naphthalene	10.741	128	12265	0.308	ng/ul	98
7) 2-Methylnaphthalene	12.357	142	7237	0.309	ng/ul	97
8) 1-Methylnaphthalene	12.577	142	6922	0.296	ng/ul	100
10) Acenaphthylene	14.254	152	8868	0.308	ng/ul	96
11) Acenaphthene	14.597	153	7445	0.306	ng/ul	98
12) Fluorene	15.587	166	7996	0.308	ng/ul	98
14) Pentachlorophenol	16.949	266	426	0.208	ng/ul	89
15) Phenanthrene	17.329	178	11529	0.349	ng/ul	98
16) Anthracene	17.422	178	11168	0.403	ng/ul	95
19) Fluoranthene	19.348	202	11244	0.393	ng/ul	98
20) Pyrene	19.710	202	11801	0.385	ng/ul	96
21) Benzo(a)anthracene	21.460	228	7596	0.333	ng/ul	98
22) Chrysene	21.512	228	8515	0.328	ng/ul	99
24) Benzo(b)fluoranthene	23.143	252	7496	0.336	ng/ul	88
25) Benzo(k)fluoranthene	23.187	252	7924	0.361	ng/ul#	87
26) Benzo(a)pyrene	23.769	252	6588	0.328	ng/ul#	81
27) Indeno(1,2,3-cd)pyrene	26.357	276	8663	0.310	ng/ul#	96
28) Dibenzo(a,h)anthracene	26.374	278	6766	0.309	ng/ul#	90
29) Benzo(g,h,i)perylene	27.119	276	7701	0.314	ng/ul	97

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

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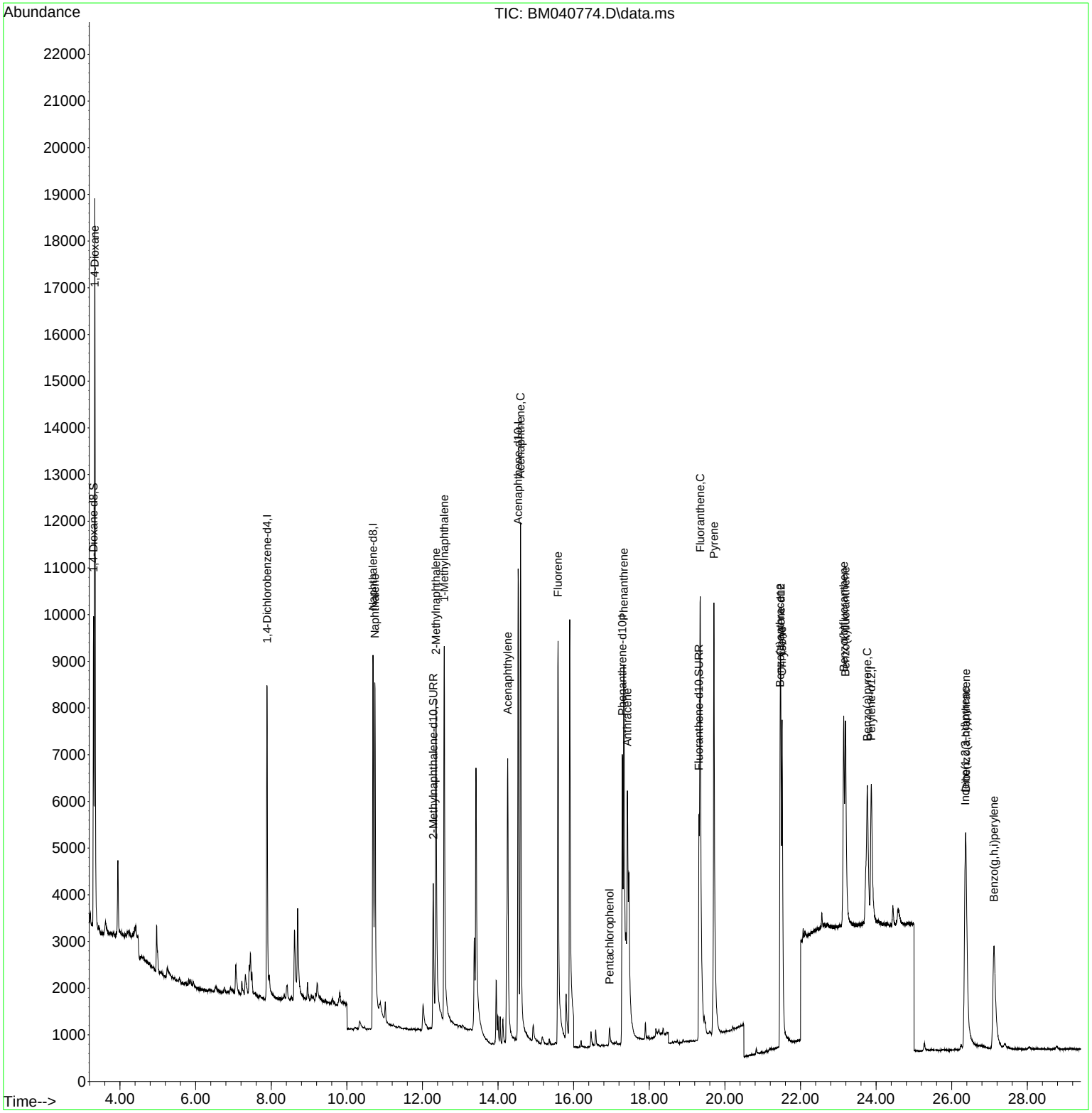
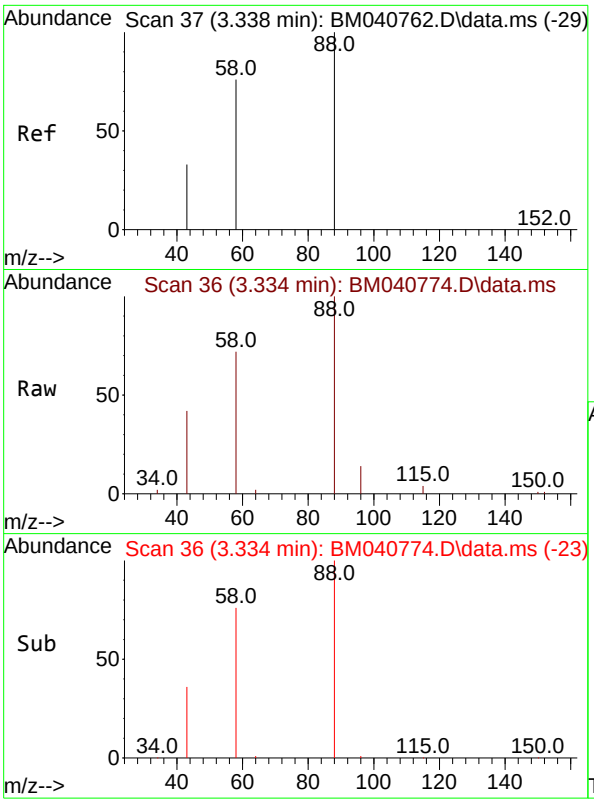


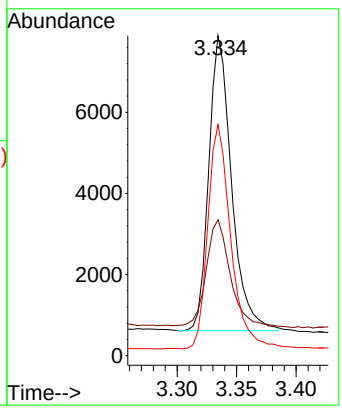


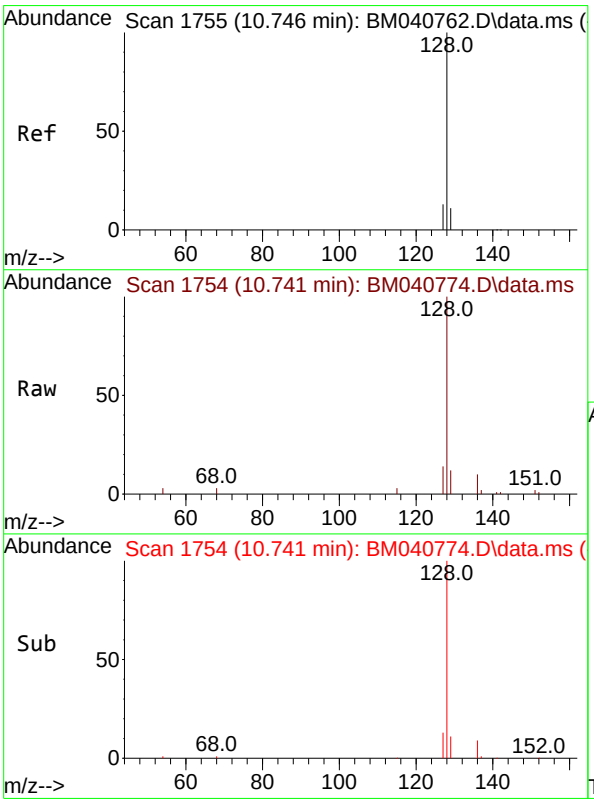
#2
1,4-Dioxane
Concen: 1.524 ng/ul
RT: 3.334 min Scan# 3
Delta R.T. -0.004 min
Lab File: BM040774.D
Acq: 09 Jul 2023 13:15

Instrument :
BNA_M
ClientSampleId :
YBW38MSD

Tgt Ion: 88 Resp: 9695

Ion	Ratio	Lower	Upper
88	100		
43	42.5	36.1	54.1
58	72.1	49.8	74.8

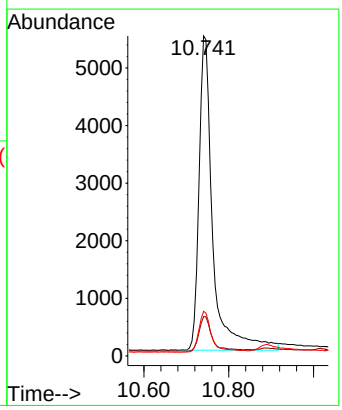


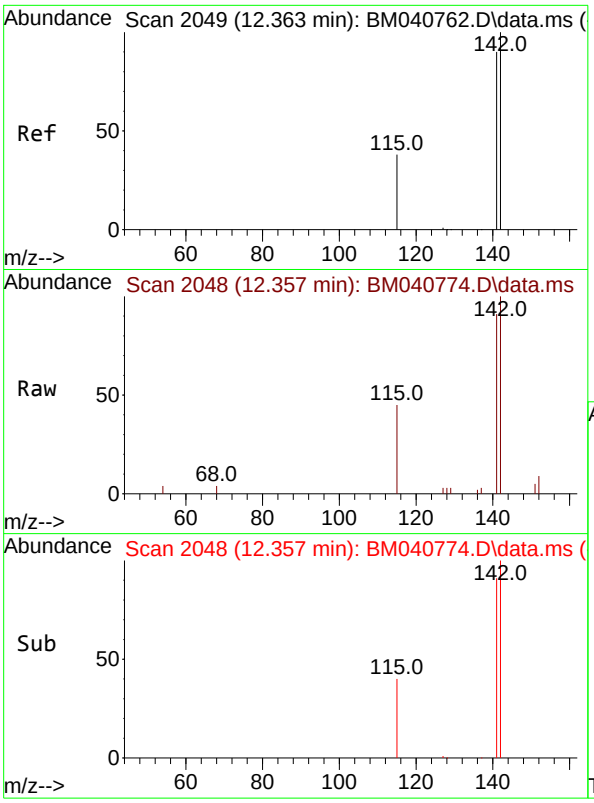


#5
Naphthalene
Concen: 0.308 ng/ul
RT: 10.741 min Scan# 1754
Delta R.T. -0.005 min
Lab File: BM040774.D
Acq: 09 Jul 2023 13:15

Tgt Ion:128 Resp: 12265

Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.2	13.8
127	14.0	10.6	15.8



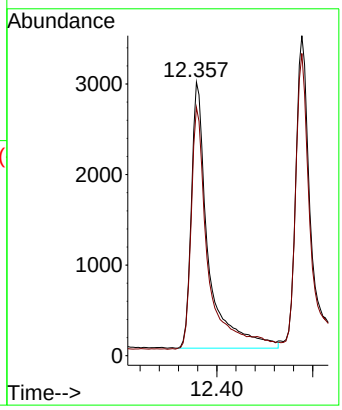


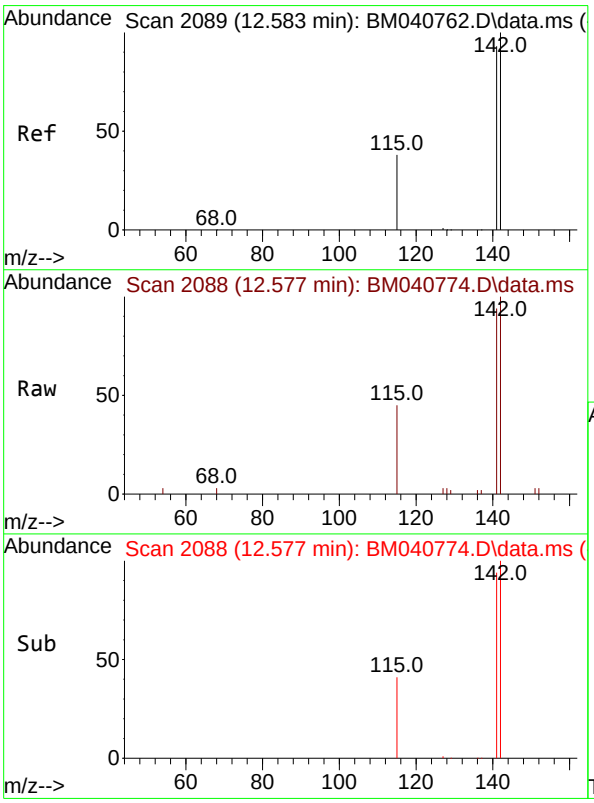
#7
2-Methylnaphthalene
Concen: 0.309 ng/ul
RT: 12.357 min Scan# 2
Delta R.T. -0.005 min
Lab File: BM040774.D
Acq: 09 Jul 2023 13:15

Instrument :
BNA_M
ClientSampleId :
YBW38MSD

Tgt Ion:142 Resp: 7237

Ion	Ratio	Lower	Upper
142	100		
141	93.1	71.9	107.9

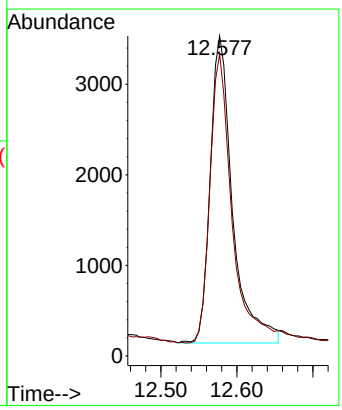


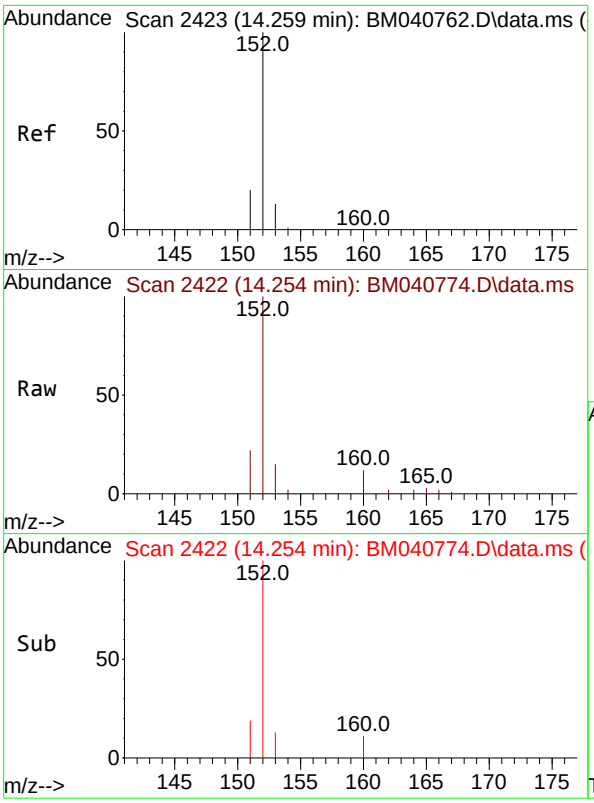


#8
1-Methylnaphthalene
Concen: 0.296 ng/ul
RT: 12.577 min Scan# 2088
Delta R.T. -0.005 min
Lab File: BM040774.D
Acq: 09 Jul 2023 13:15

Tgt Ion:142 Resp: 6922

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.7	110.5



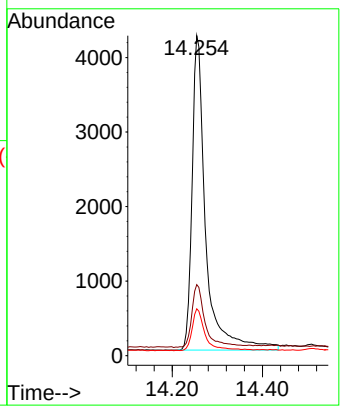


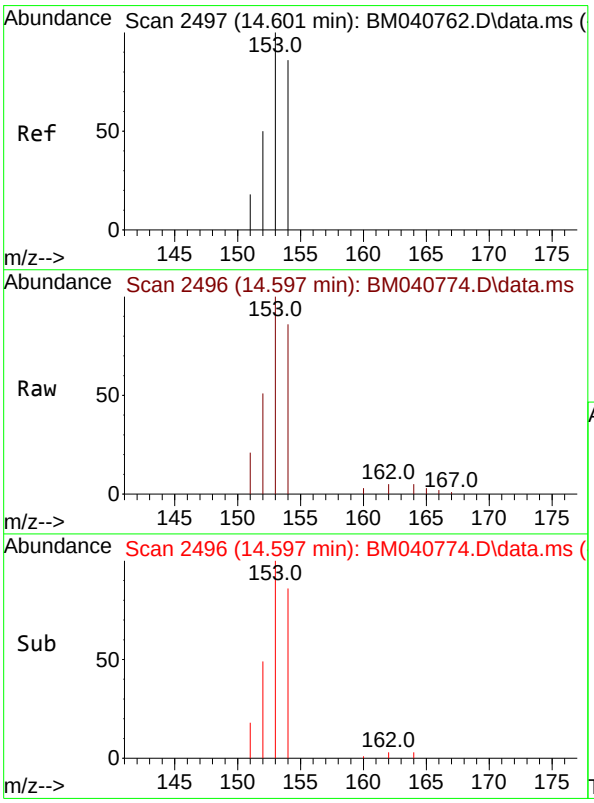
#10
Acenaphthylene
Concen: 0.308 ng/ul
RT: 14.254 min Scan# 24
Delta R.T. -0.005 min
Lab File: BM040774.D
Acq: 09 Jul 2023 13:15

Instrument :
BNA_M
ClientSampleId :
YBW38MSD

Tgt Ion:152 Resp: 8868

Ion	Ratio	Lower	Upper
152	100		
151	22.2	16.2	24.2
153	14.7	10.9	16.3

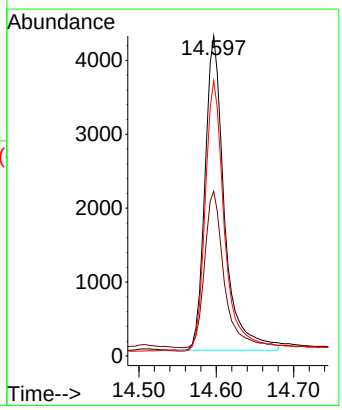


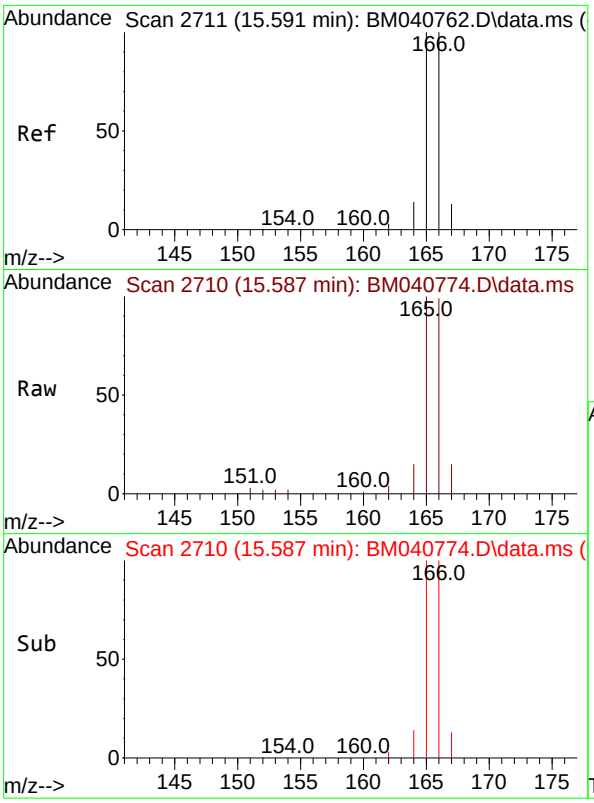


#11
Acenaphthene
Concen: 0.306 ng/ul
RT: 14.597 min Scan# 2496
Delta R.T. -0.005 min
Lab File: BM040774.D
Acq: 09 Jul 2023 13:15

Tgt Ion:153 Resp: 7445

Ion	Ratio	Lower	Upper
153	100		
152	51.4	41.0	61.4
154	86.0	70.8	106.2



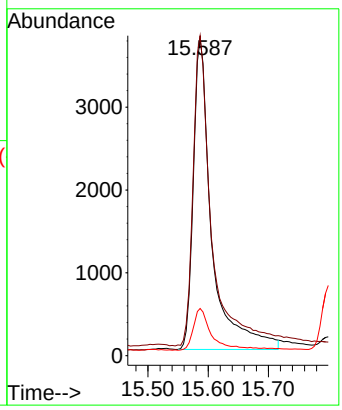


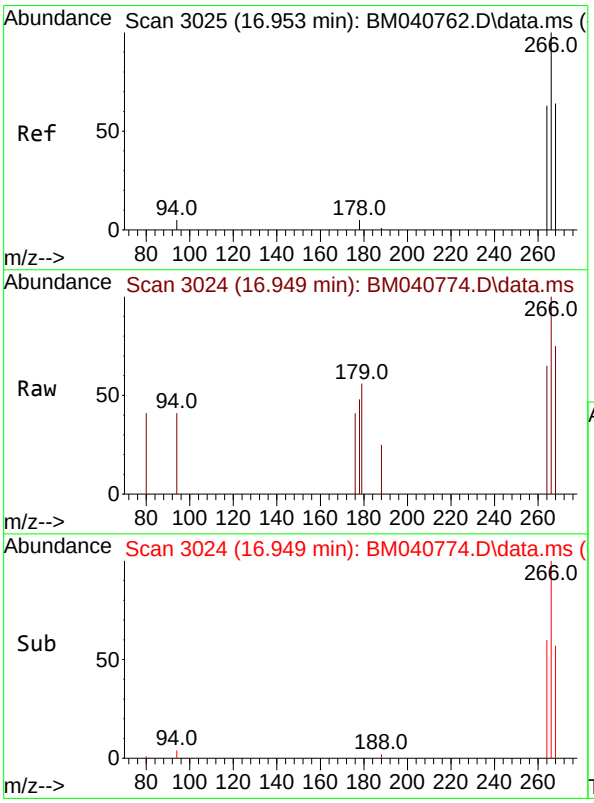
#12
Fluorene
Concen: 0.308 ng/ul
RT: 15.587 min Scan# 2
Delta R.T. -0.005 min
Lab File: BM040774.D
Acq: 09 Jul 2023 13:15

Instrument :
BNA_M
ClientSampleId :
YBW38MSD

Tgt Ion:166 Resp: 7996

Ion	Ratio	Lower	Upper
166	100		
165	101.0	79.6	119.4
167	14.9	11.4	17.0

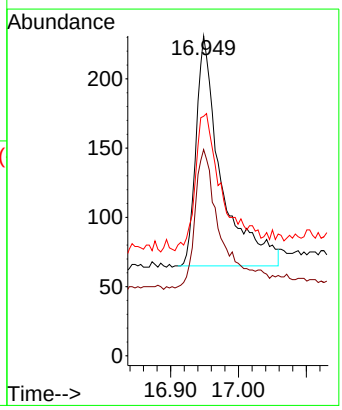


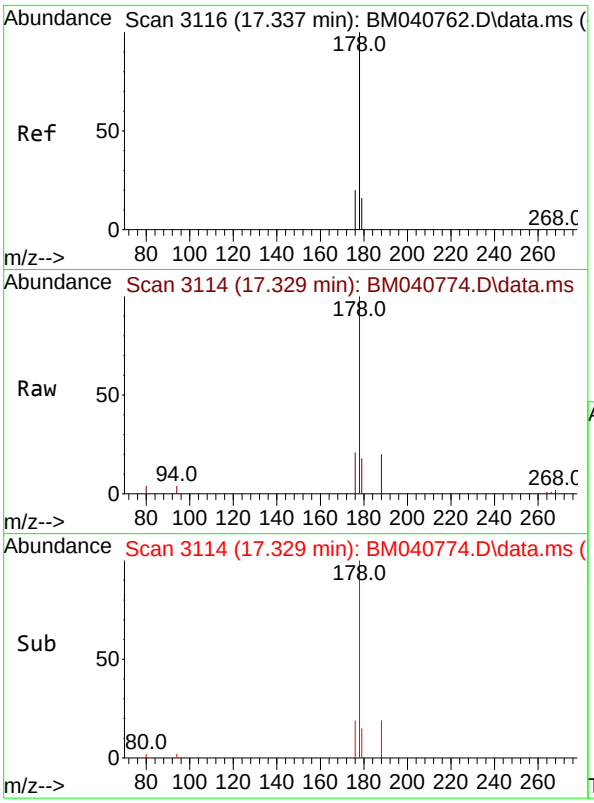


#14
Pentachlorophenol
Concen: 0.208 ng/ul
RT: 16.949 min Scan# 3024
Delta R.T. -0.004 min
Lab File: BM040774.D
Acq: 09 Jul 2023 13:15

Tgt Ion:266 Resp: 426

Ion	Ratio	Lower	Upper
266	100		
264	66.9	45.4	68.0
268	65.3	47.2	70.8



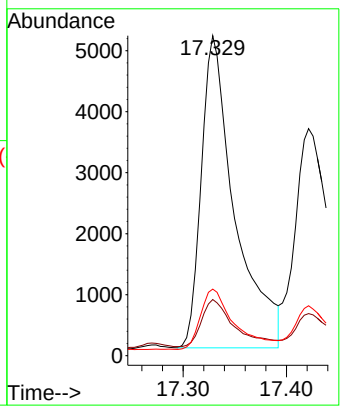


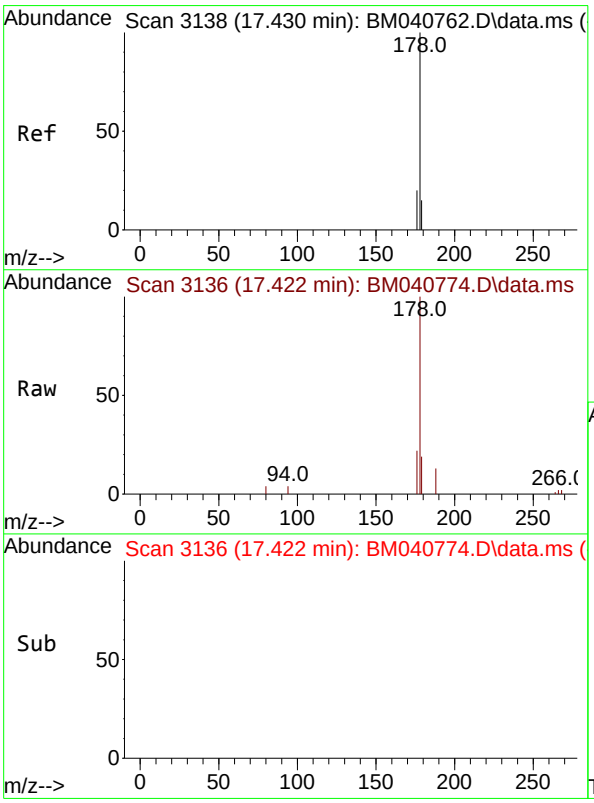
#15
Phenanthrene
Concen: 0.349 ng/ul
RT: 17.329 min Scan# 3
Delta R.T. -0.008 min
Lab File: BM040774.D
Acq: 09 Jul 2023 13:15

Instrument :
BNA_M
ClientSampleId :
YBW38MSD

Tgt Ion:178 Resp: 11529

Ion	Ratio	Lower	Upper
178	100		
179	17.5	12.8	19.2
176	20.8	16.4	24.6

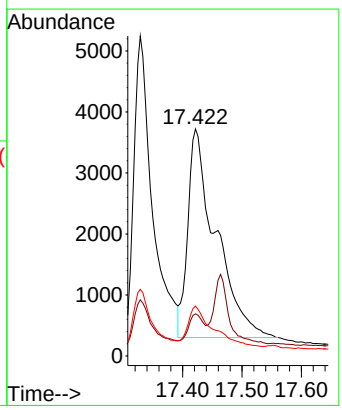


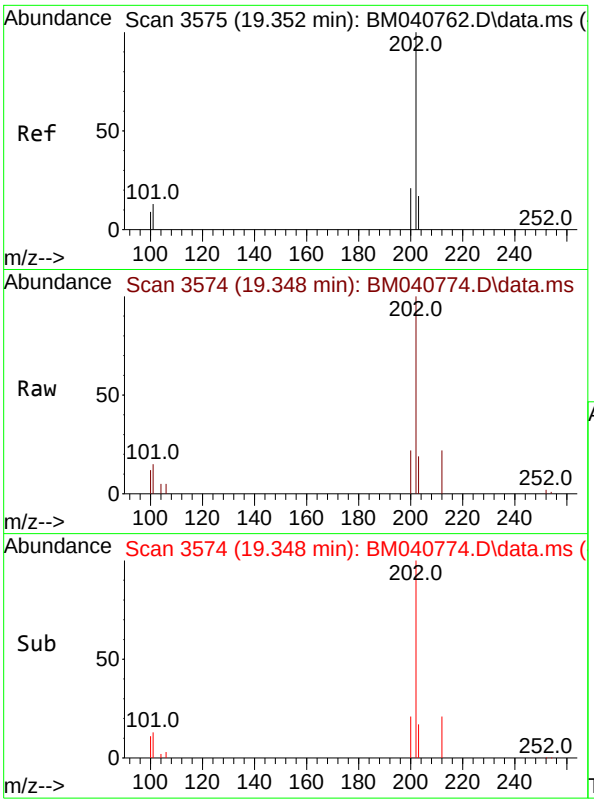


#16
Anthracene
Concen: 0.403 ng/ul
RT: 17.422 min Scan# 3136
Delta R.T. -0.008 min
Lab File: BM040774.D
Acq: 09 Jul 2023 13:15

Tgt Ion:178 Resp: 11168

Ion	Ratio	Lower	Upper
178	100		
179	18.5	12.9	19.3
176	22.0	15.8	23.6



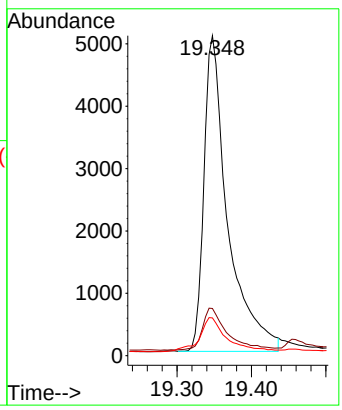


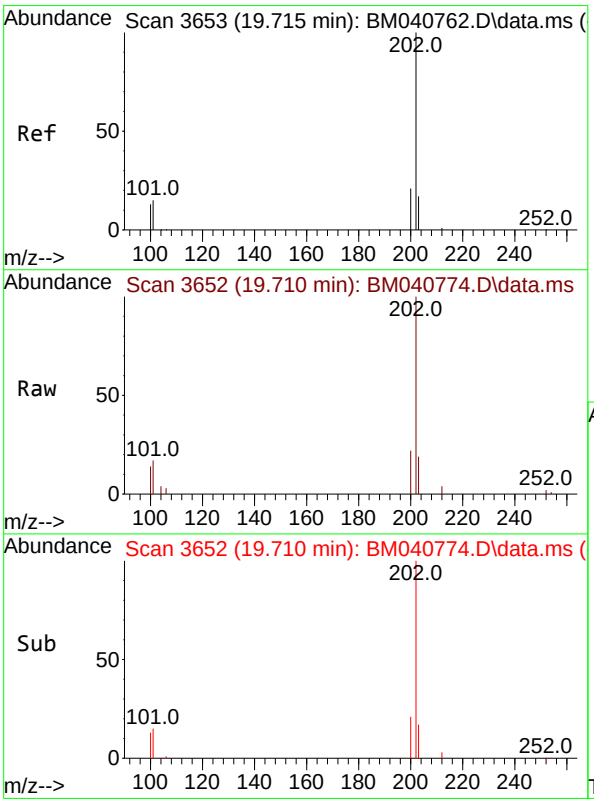
#19
Fluoranthene
Concen: 0.393 ng/ul
RT: 19.348 min Scan# 3
Delta R.T. -0.005 min
Lab File: BM040774.D
Acq: 09 Jul 2023 13:15

Instrument :
BNA_M
ClientSampleId :
YBW38MSD

Tgt Ion:202 Resp: 11244

Ion	Ratio	Lower	Upper
202	100		
101	14.8	11.4	17.0
100	11.8	8.7	13.1

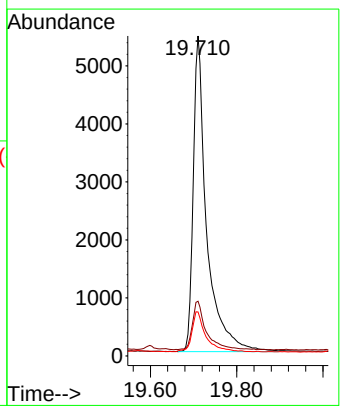


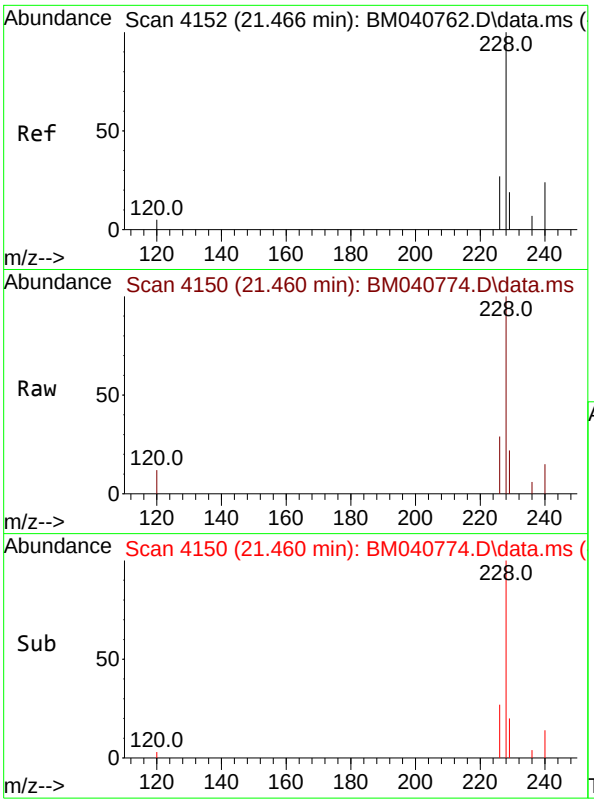


#20
Pyrene
Concen: 0.385 ng/ul
RT: 19.710 min Scan# 3652
Delta R.T. -0.005 min
Lab File: BM040774.D
Acq: 09 Jul 2023 13:15

Tgt Ion:202 Resp: 11801

Ion	Ratio	Lower	Upper
202	100		
101	17.1	12.6	18.8
100	13.7	9.8	14.6



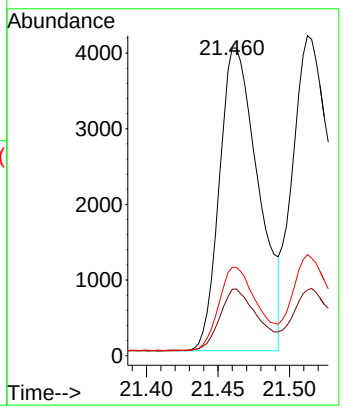


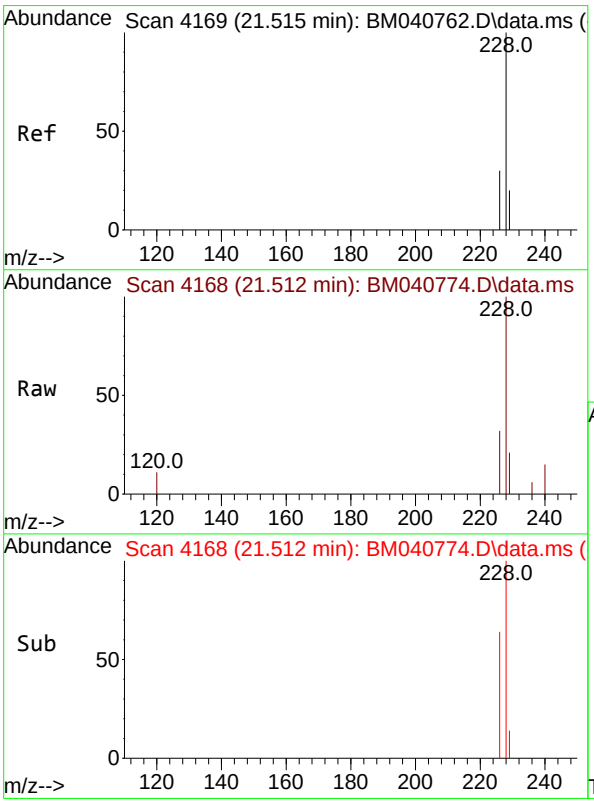
#21
Benzo(a)anthracene
Concen: 0.333 ng/ul
RT: 21.460 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM040774.D
Acq: 09 Jul 2023 13:15

Instrument :
BNA_M
ClientSampleId :
YBW38MSD

Tgt Ion:228 Resp: 7596

Ion	Ratio	Lower	Upper
228	100		
229	21.5	16.0	24.0
226	28.7	22.3	33.5

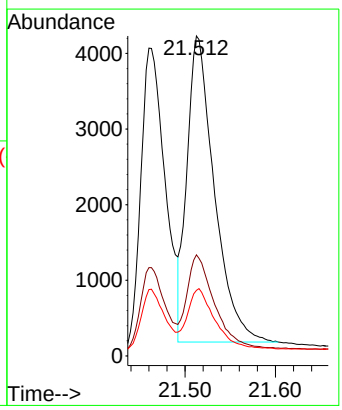


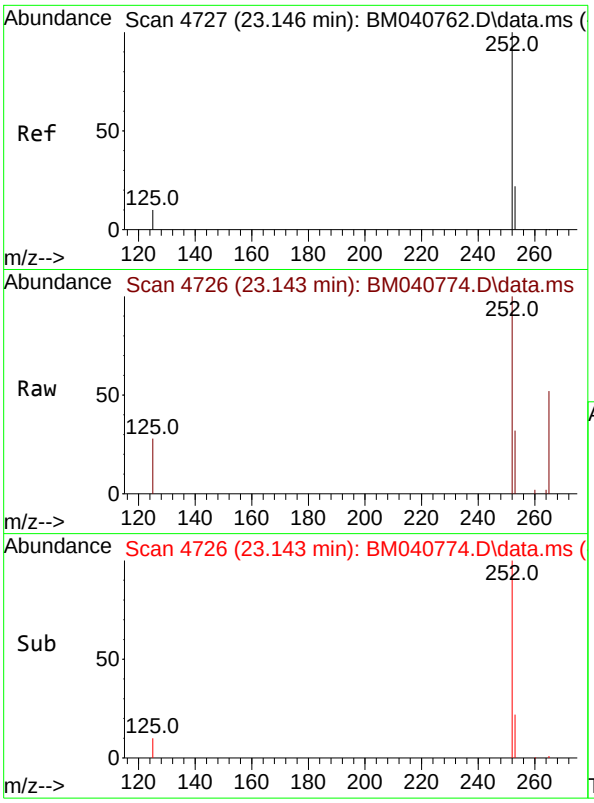


#22
Chrysene
Concen: 0.328 ng/ul
RT: 21.512 min Scan# 4168
Delta R.T. -0.003 min
Lab File: BM040774.D
Acq: 09 Jul 2023 13:15

Tgt Ion:228 Resp: 8515

Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.9	37.3
229	20.5	15.8	23.6



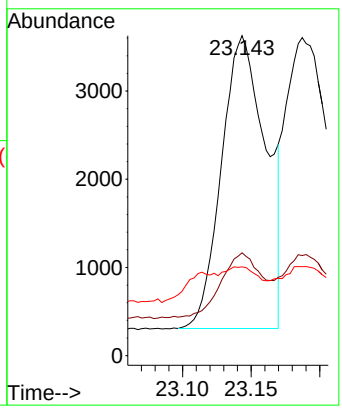


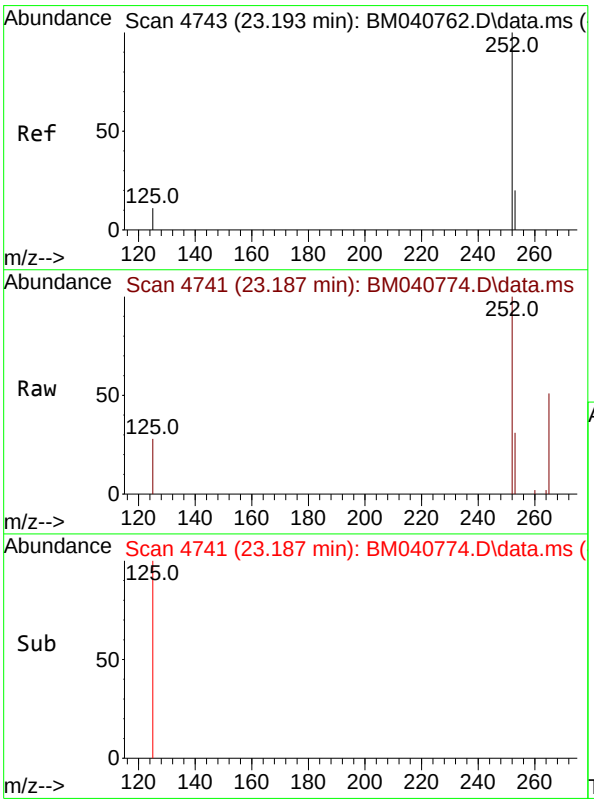
#24
Benzo(b)fluoranthene
Concen: 0.336 ng/ul
RT: 23.143 min Scan# 4
Delta R.T. -0.003 min
Lab File: BM040774.D
Acq: 09 Jul 2023 13:15

Instrument :
BNA_M
ClientSampleId :
YBW38MSD

Tgt Ion:252 Resp: 7496

Ion	Ratio	Lower	Upper
252	100		
253	32.1	0.0	52.8
125	27.8	0.0	43.0

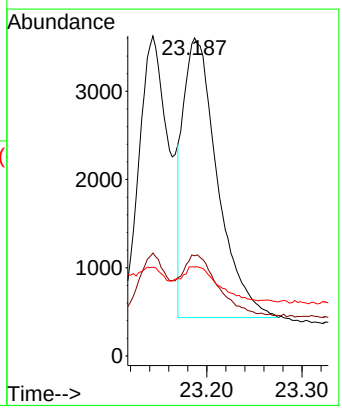


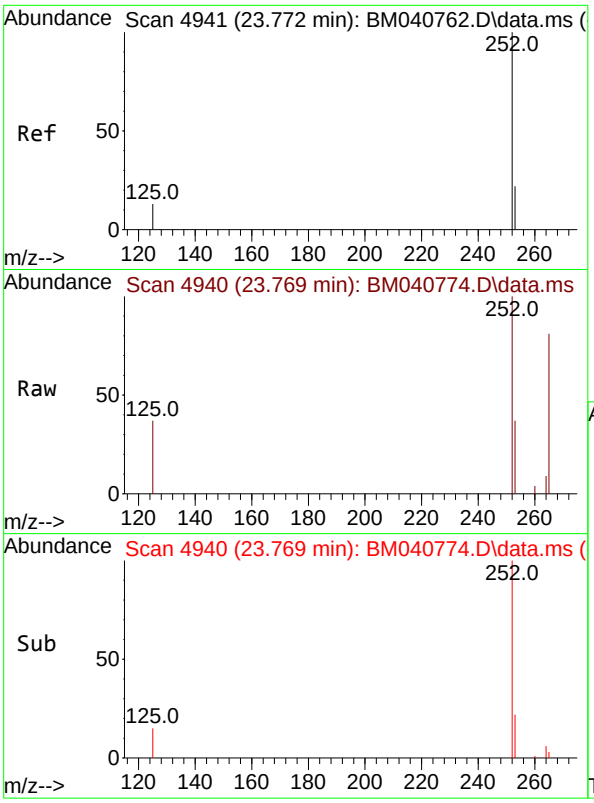


#25
Benzo(k)fluoranthene
Concen: 0.361 ng/ul
RT: 23.187 min Scan# 4741
Delta R.T. -0.006 min
Lab File: BM040774.D
Acq: 09 Jul 2023 13:15

Tgt Ion:252 Resp: 7924

Ion	Ratio	Lower	Upper
252	100		
253	31.5	21.2	31.8
125	28.0	16.4	24.6#



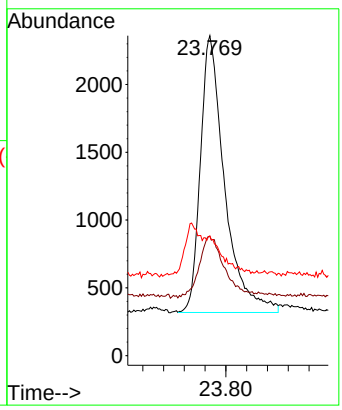


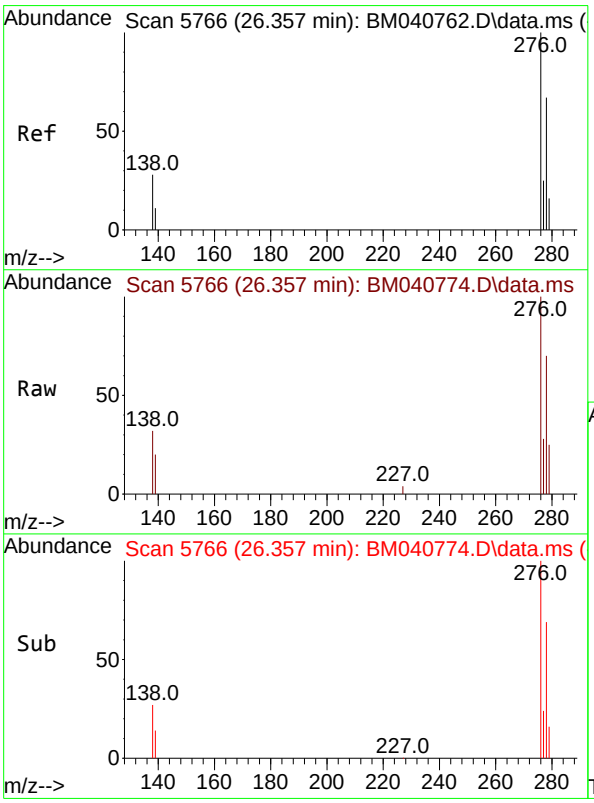
#26
Benzo(a)pyrene
Concen: 0.328 ng/ul
RT: 23.769 min Scan# 4
Delta R.T. -0.003 min
Lab File: BM040774.D
Acq: 09 Jul 2023 13:15

Instrument :
BNA_M
ClientSampleId :
YBW38MSD

Tgt Ion:252 Resp: 6588

Ion	Ratio	Lower	Upper
252	100		
253	37.2	22.9	34.3#
125	37.5	21.0	31.4#

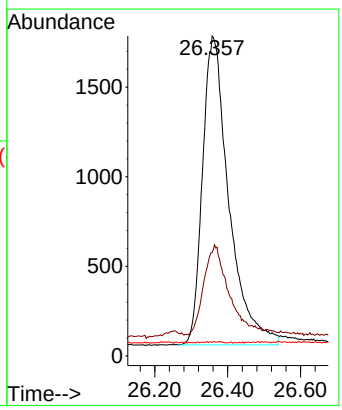


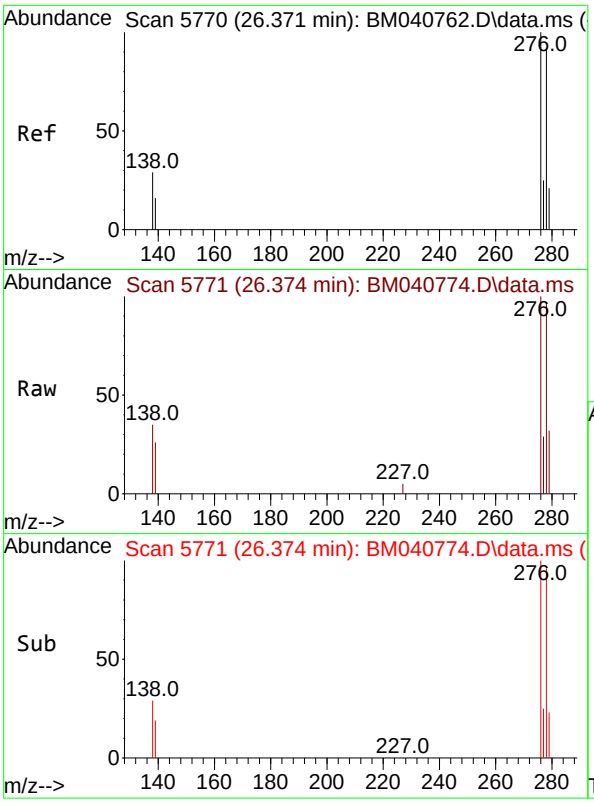


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.310 ng/ul
RT: 26.357 min Scan# 5766
Delta R.T. 0.000 min
Lab File: BM040774.D
Acq: 09 Jul 2023 13:15

Tgt Ion:276 Resp: 8663

Ion	Ratio	Lower	Upper
276	100		
138	28.6	24.5	36.7
227	0.0	0.1	0.1#



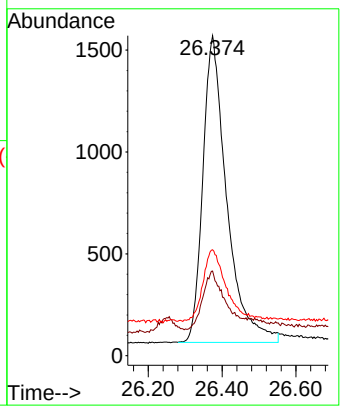


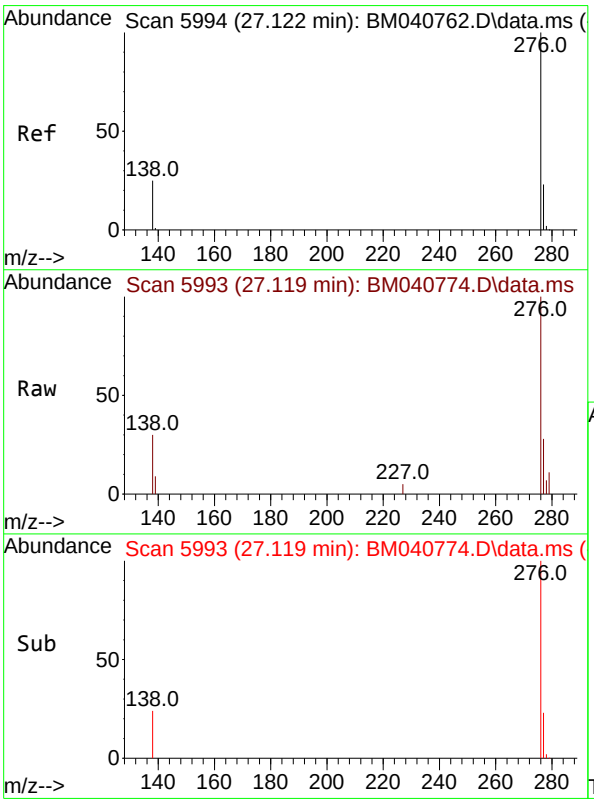
#28
Dibenzo(a,h)anthracene
Concen: 0.309 ng/ul
RT: 26.374 min Scan# 5
Delta R.T. 0.003 min
Lab File: BM040774.D
Acq: 09 Jul 2023 13:15

Instrument :
BNA_M
ClientSampleId :
YBW38MSD

Tgt Ion:278 Resp: 6766

Ion	Ratio	Lower	Upper
278	100		
139	26.5	17.9	26.9
279	33.1	22.0	33.0#





#29
Benzo(g,h,i)perylene
Concen: 0.314 ng/ul
RT: 27.119 min Scan# 5993
Delta R.T. -0.003 min
Lab File: BM040774.D
Acq: 09 Jul 2023 13:15

Tgt Ion:276 Resp: 7701

Ion	Ratio	Lower	Upper
276	100		
138	30.3	23.0	34.6
277	27.5	20.3	30.5