Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071423\
Data File : BM040893.D
Acq On : 14 Jul 2023 23:58
Operator : MA/JU
Sample : 03437-12MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A46K7MSD

Quant Time: Jul 15 04:00:45 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 : Sat Jul 15 03:58:02 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.862	152	3876	0.400	ng/ul		0.00
4) Naphthalene-d8	10.664	136	12707	0.400	ng/ul		0.00
9) Acenaphthene-d10	14.509	164	5491	0.400	ng/ul		0.00
13) Phenanthrene-d10	17.261	188	10356	0.400	ng/ul		0.00
17) Chrysene-d12	21.448	240	7353	0.400	ng/ul	#	0.00
23) Perylene-d12	23.828	264	7255	0.400	ng/ul		0.00
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.284	96	3923	0.644	ng/ul		0.00
6) 2-Methylnaphthalene-d10	12.258	152	6136	0.344	ng/ul		0.00
18) Fluoranthene-d10	19.292	212	9409	0.399	ng/ul		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.318	88	8741	1.410	ng/ul		91
5) Naphthalene	10.713	128	11619	0.332	ng/ul		99
7) 2-Methylnaphthalene	12.330	142	6618	0.322	ng/ul		99
8) 1-Methylnaphthalene	12.550	142	6971	0.339	ng/ul		98
10) Acenaphthylene	14.227	152	8149	0.332	ng/ul		98
11) Acenaphthene	14.569	153	6807	0.329	ng/ul		98
12) Fluorene	15.559	166	7096	0.321	ng/ul		97
14) Pentachlorophenol	16.919	266	465	0.233	ng/ul	#	88
15) Phenanthrene	17.299	178	12947	0.402	ng/ul		100
16) Anthracene	17.392	178	9148	0.338	ng/ul		98
19) Fluoranthene	19.320	202	15603	0.500	ng/ul		98
20) Pyrene	19.682	202	16212	0.484	ng/ul		99
21) Benzo(a)anthracene	21.434	228	11128	0.447	ng/ul		99
22) Chrysene	21.483	228	11796	0.416	ng/ul		100
24) Benzo(b)fluoranthene	23.100	252	12396	0.442	ng/ul		98
25) Benzo(k)fluoranthene	23.149	252	10962	0.396	ng/ul		97
26) Benzo(a)pyrene	23.719	252	10140	0.401	ng/ul		97
27) Indeno(1,2,3-cd)pyrene	26.287	276	13316	0.378	ng/ul	#	95
28) Dibenzo(a,h)anthracene	26.304	278	10048	0.364	ng/ul		98
29) Benzo(g,h,i)perylene	27.038	276	11895	0.385	ng/ul		98

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

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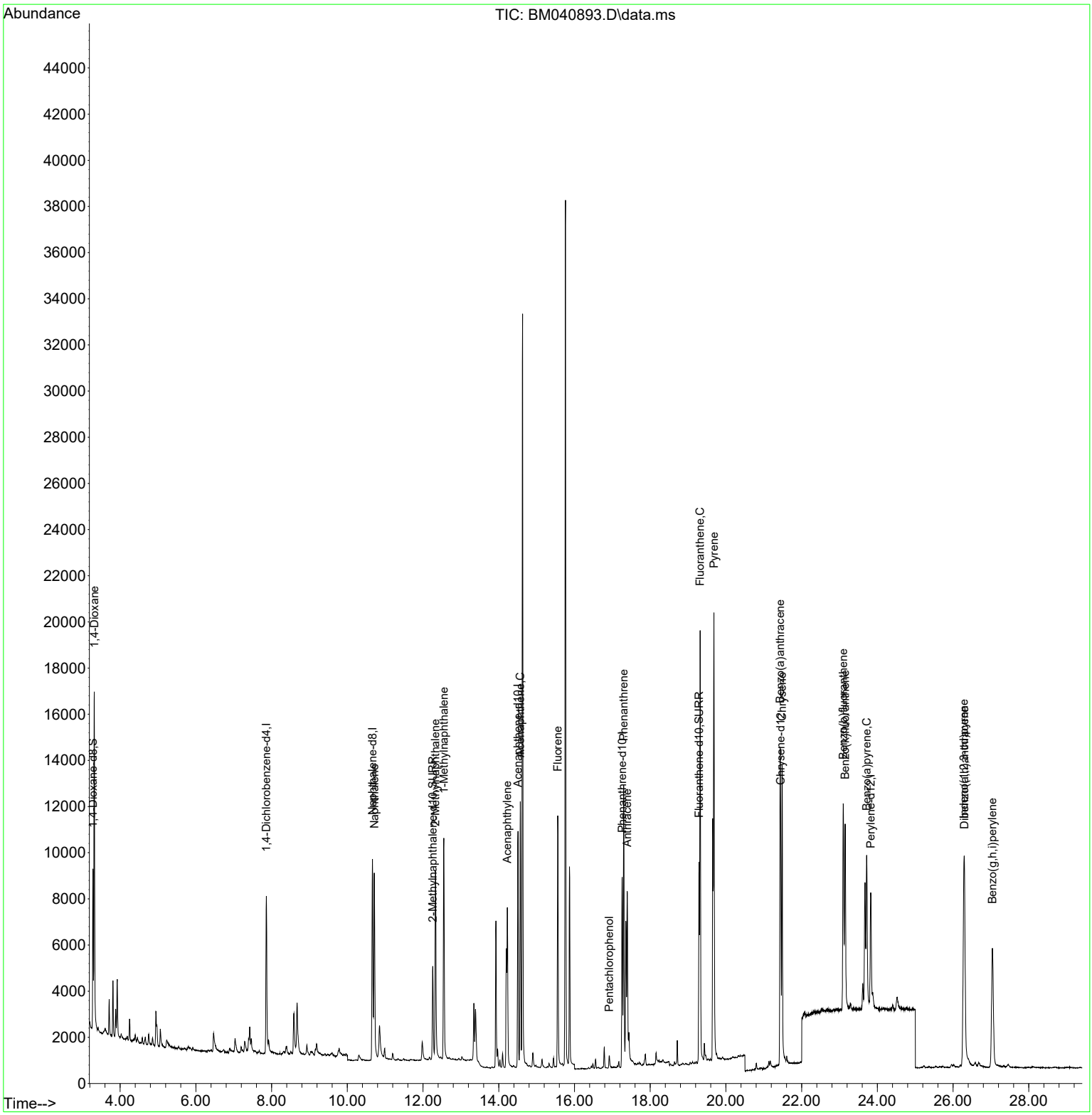
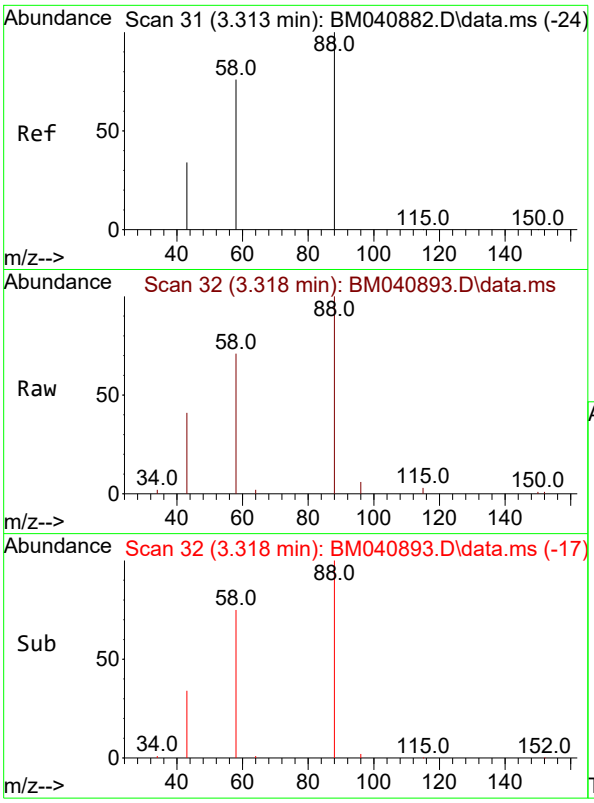


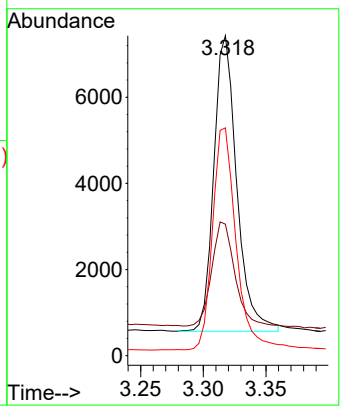


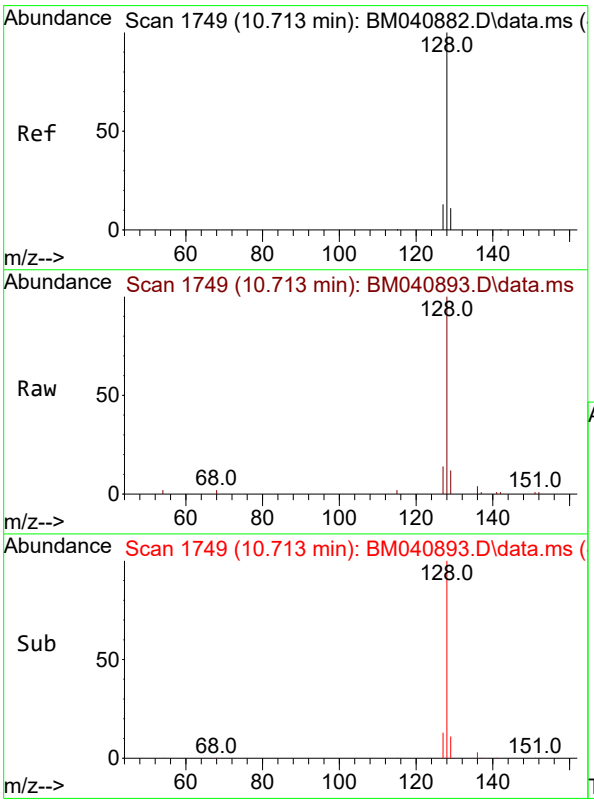
#2
1,4-Dioxane
Concen: 1.410 ng/ul
RT: 3.318 min Scan# 3
Delta R.T. 0.004 min
Lab File: BM040893.D
Acq: 14 Jul 2023 23:58

Instrument :
BNA_M
ClientSampleId :
A46K7MSD

Tgt Ion: 88 Resp: 8741

Ion	Ratio	Lower	Upper
88	100		
43	41.1	36.1	54.1
58	71.2	49.8	74.8

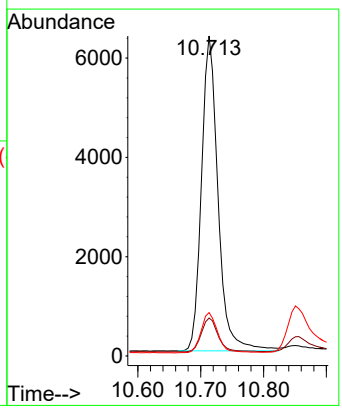


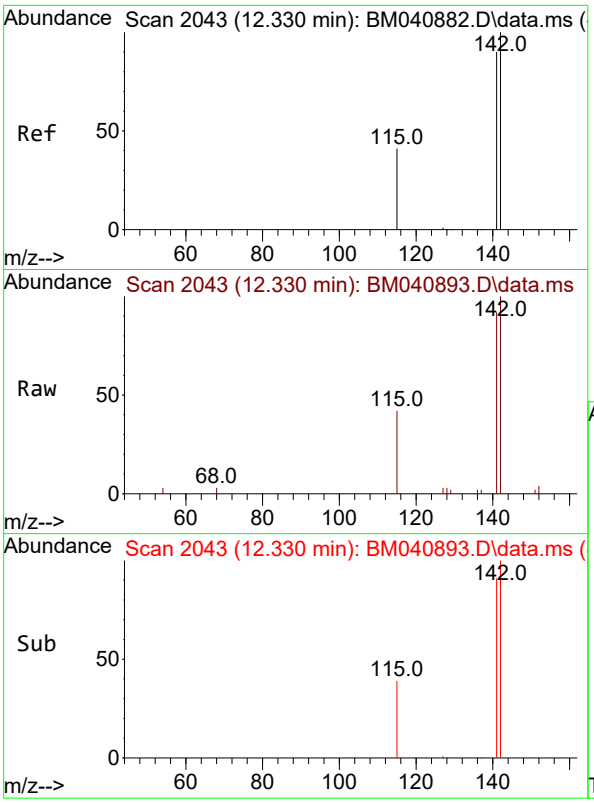


#5
Naphthalene
Concen: 0.332 ng/ul
RT: 10.713 min Scan# 1749
Delta R.T. 0.000 min
Lab File: BM040893.D
Acq: 14 Jul 2023 23:58

Tgt Ion:128 Resp: 11619

Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.2	13.8
127	13.6	10.6	15.8



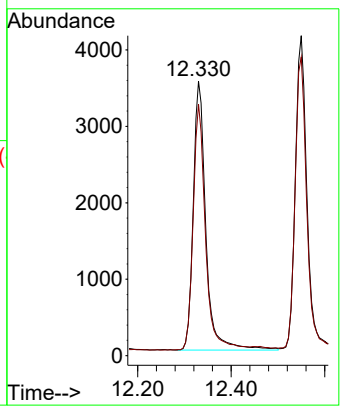


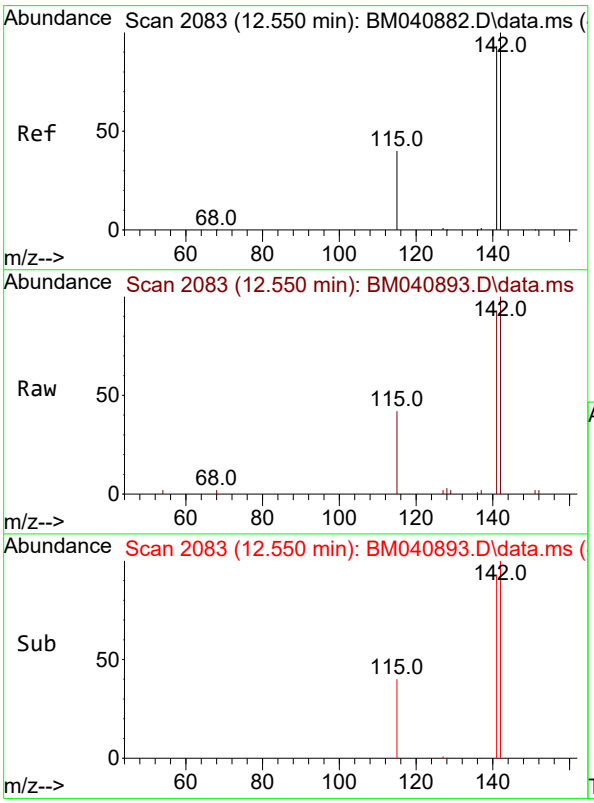
#7
2-Methylnaphthalene
Concen: 0.322 ng/ul
RT: 12.330 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM040893.D
Acq: 14 Jul 2023 23:58

Instrument :
BNA_M
ClientSampleId :
A46K7MSD

Tgt Ion:142 Resp: 6618

Ion	Ratio	Lower	Upper
142	100		
141	91.2	71.9	107.9

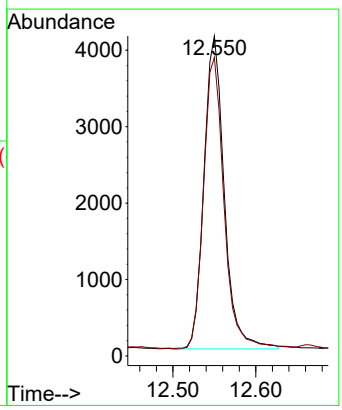


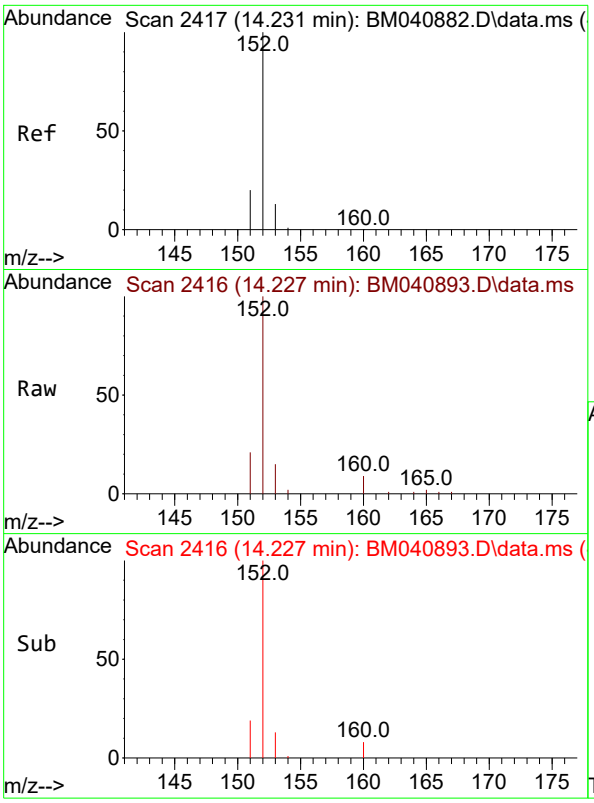


#8
1-Methylnaphthalene
Concen: 0.339 ng/ul
RT: 12.550 min Scan# 2083
Delta R.T. 0.000 min
Lab File: BM040893.D
Acq: 14 Jul 2023 23:58

Tgt Ion:142 Resp: 6971

Ion	Ratio	Lower	Upper
142	100		
141	93.7	73.7	110.5



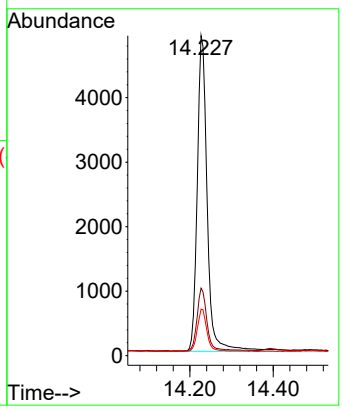


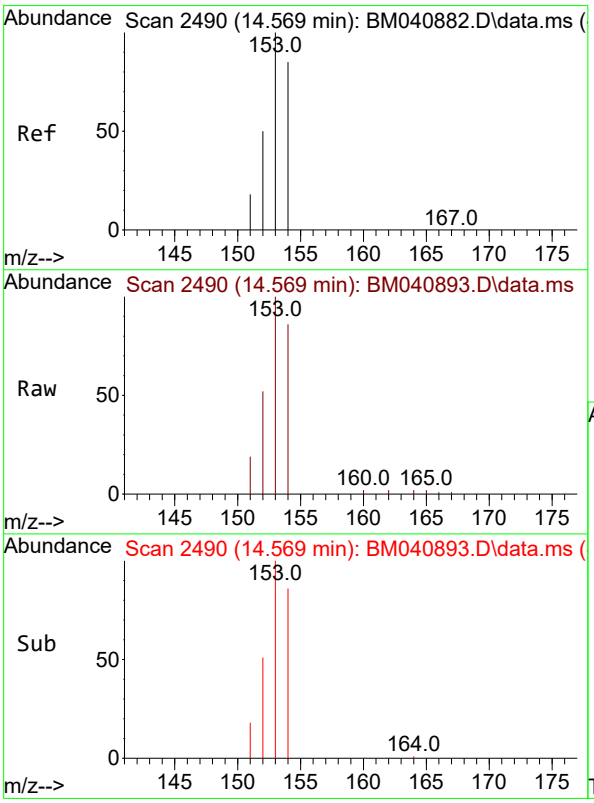
#10
Acenaphthylene
Concen: 0.332 ng/ul
RT: 14.227 min Scan# 24
Delta R.T. -0.004 min
Lab File: BM040893.D
Acq: 14 Jul 2023 23:58

Instrument :
BNA_M
ClientSampleId :
A46K7MSD

Tgt Ion:152 Resp: 8149

Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.2	24.2
153	14.6	10.9	16.3

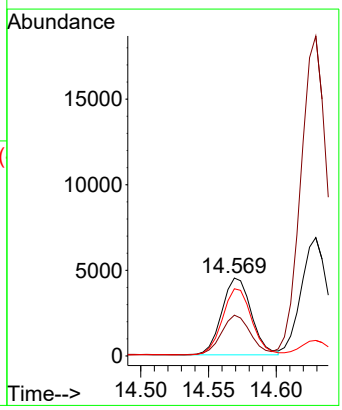


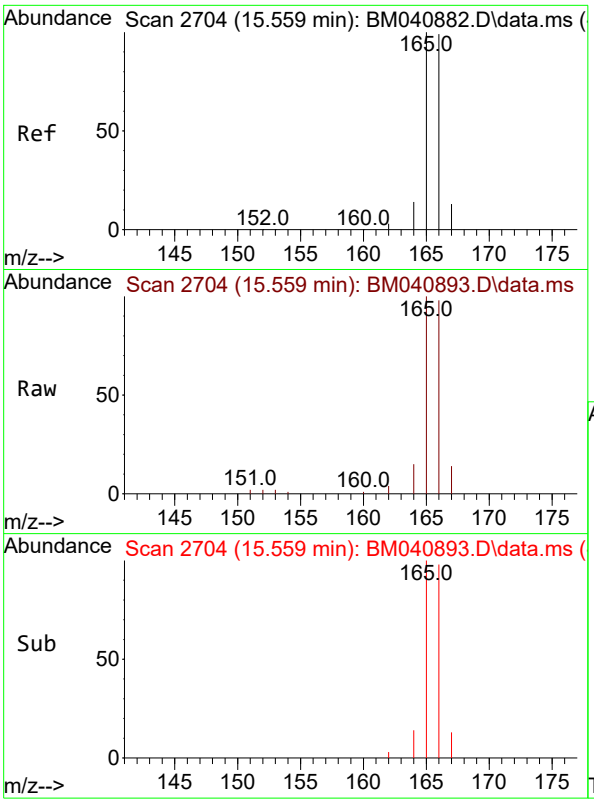


#11
Acenaphthene
Concen: 0.329 ng/ul
RT: 14.569 min Scan# 2490
Delta R.T. 0.000 min
Lab File: BM040893.D
Acq: 14 Jul 2023 23:58

Tgt Ion:153 Resp: 6807

Ion	Ratio	Lower	Upper
153	100		
152	52.4	41.0	61.4
154	86.3	70.8	106.2



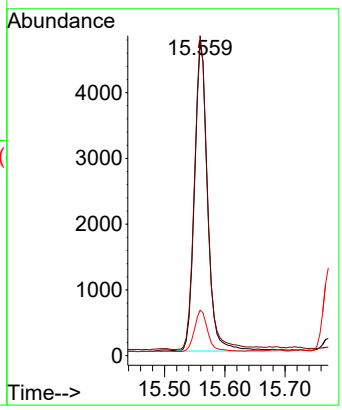


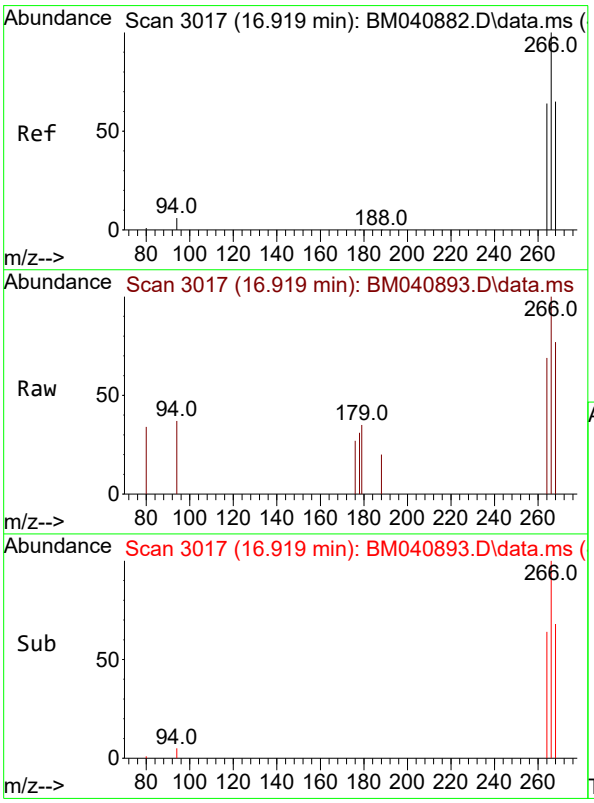
#12
Fluorene
Concen: 0.321 ng/ul
RT: 15.559 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM040893.D
Acq: 14 Jul 2023 23:58

Instrument :
BNA_M
ClientSampleId :
A46K7MSD

Tgt Ion:166 Resp: 7096

Ion	Ratio	Lower	Upper
166	100		
165	102.3	79.6	119.4
167	14.5	11.4	17.0

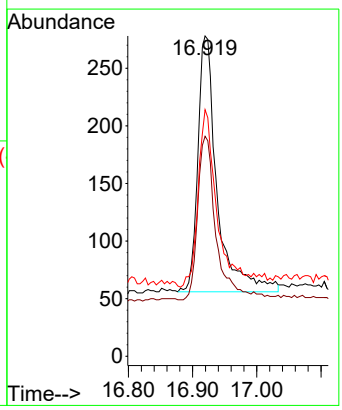


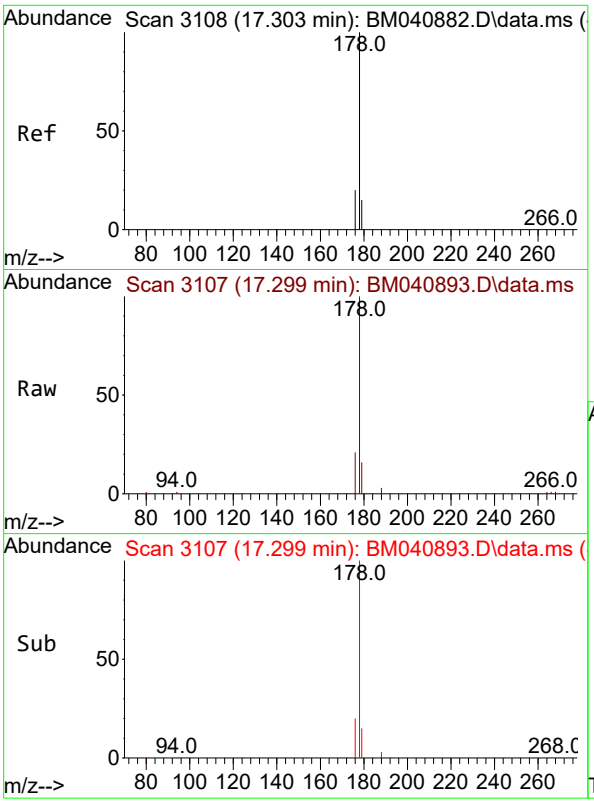


#14
Pentachlorophenol
Concen: 0.233 ng/ul
RT: 16.919 min Scan# 3017
Delta R.T. 0.000 min
Lab File: BM040893.D
Acq: 14 Jul 2023 23:58

Tgt Ion:266 Resp: 465

Ion	Ratio	Lower	Upper
266	100		
264	61.9	45.4	68.0
268	71.4	47.2	70.8#



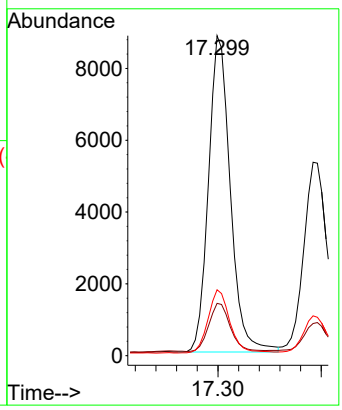


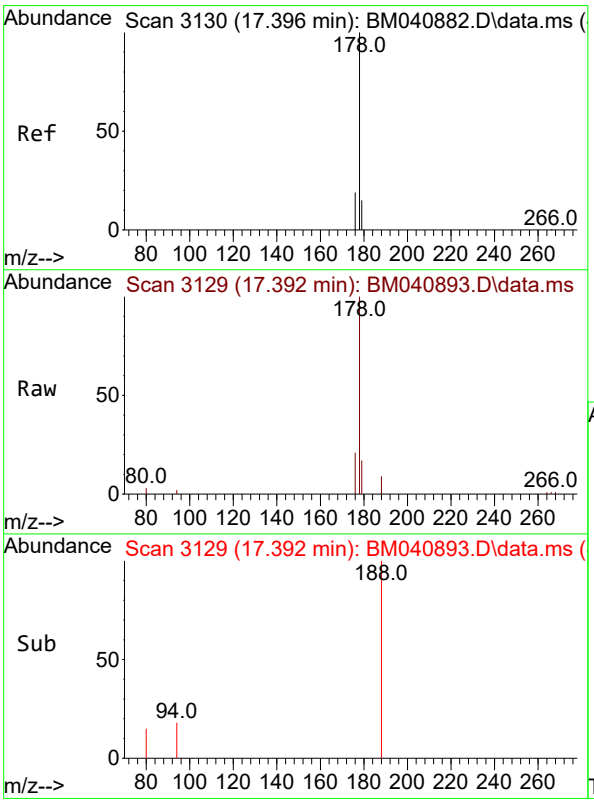
#15
Phenanthrene
Concen: 0.402 ng/ul
RT: 17.299 min Scan# 3
Delta R.T. -0.004 min
Lab File: BM040893.D
Acq: 14 Jul 2023 23:58

Instrument :
BNA_M
ClientSampleId :
A46K7MSD

Tgt Ion:178 Resp: 12947

Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.8	19.2
176	20.6	16.4	24.6

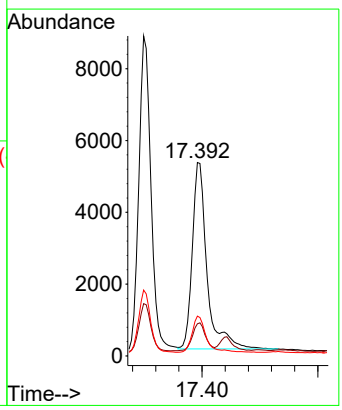


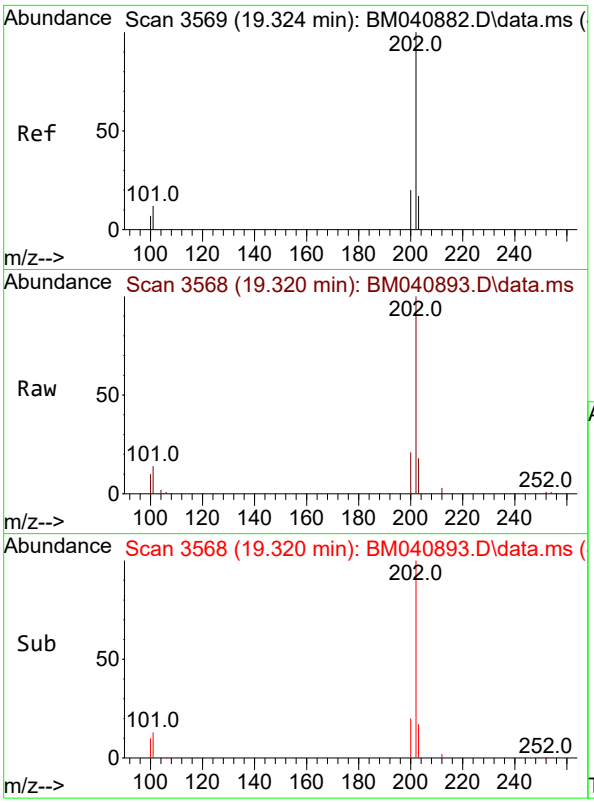


#16
Anthracene
Concen: 0.338 ng/ul
RT: 17.392 min Scan# 3129
Delta R.T. -0.004 min
Lab File: BM040893.D
Acq: 14 Jul 2023 23:58

Tgt Ion:178 Resp: 9148

Ion	Ratio	Lower	Upper
178	100		
179	16.7	12.9	19.3
176	20.6	15.8	23.6



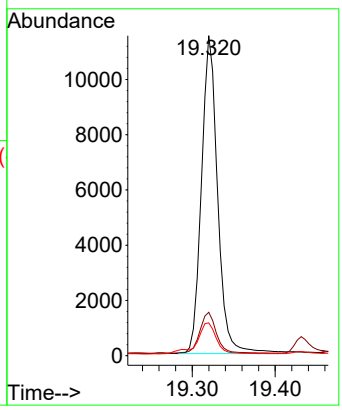


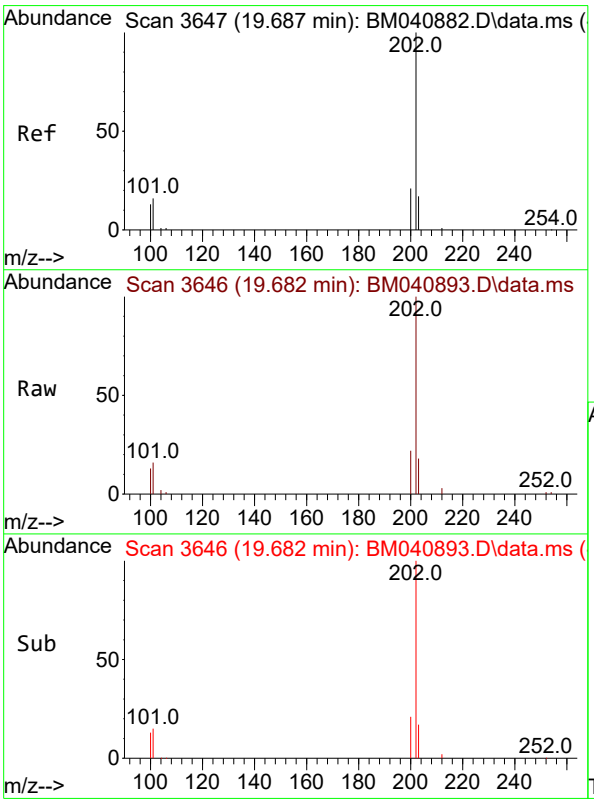
#19
Fluoranthene
Concen: 0.500 ng/ul
RT: 19.320 min Scan# 3
Delta R.T. -0.005 min
Lab File: BM040893.D
Acq: 14 Jul 2023 23:58

Instrument :
BNA_M
ClientSampleId :
A46K7MSD

Tgt Ion:202 Resp: 15603

Ion	Ratio	Lower	Upper
202	100		
101	13.5	11.4	17.0
100	10.2	8.7	13.1

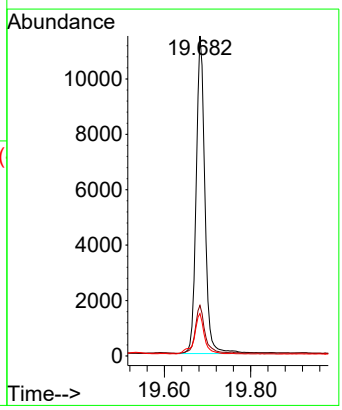


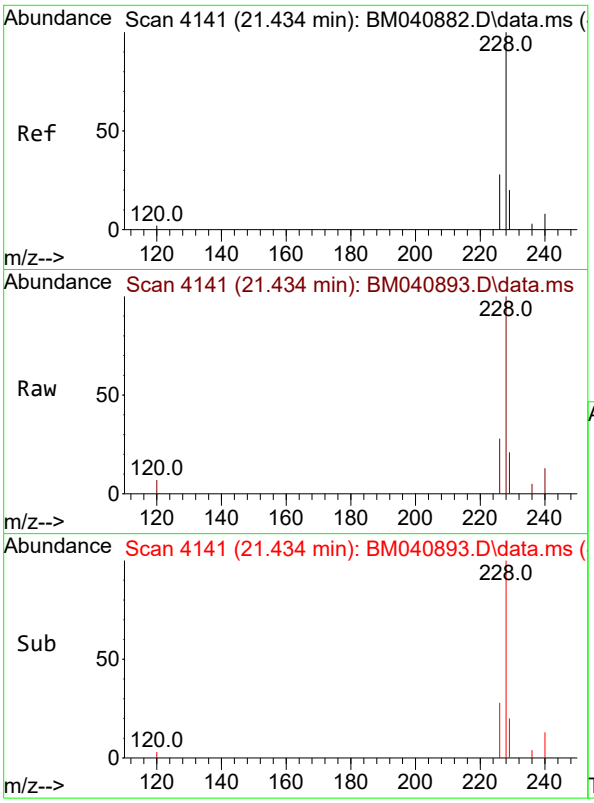


#20
Pyrene
Concen: 0.484 ng/ul
RT: 19.682 min Scan# 3646
Delta R.T. -0.005 min
Lab File: BM040893.D
Acq: 14 Jul 2023 23:58

Tgt Ion:202 Resp: 16212

Ion	Ratio	Lower	Upper
202	100		
101	15.8	12.6	18.8
100	13.3	9.8	14.6



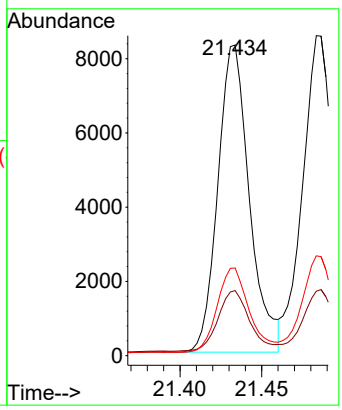


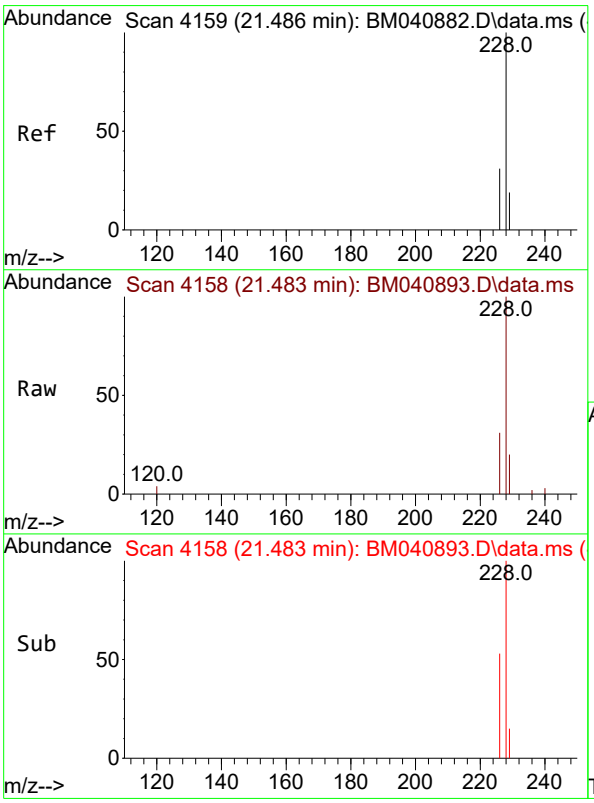
#21
Benzo(a)anthracene
Concen: 0.447 ng/ul
RT: 21.434 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM040893.D
Acq: 14 Jul 2023 23:58

Instrument :
BNA_M
ClientSampleId :
A46K7MSD

Tgt Ion:228 Resp: 11128

Ion	Ratio	Lower	Upper
228	100		
229	21.0	16.0	24.0
226	28.2	22.3	33.5

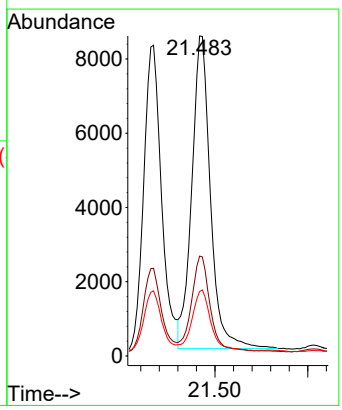


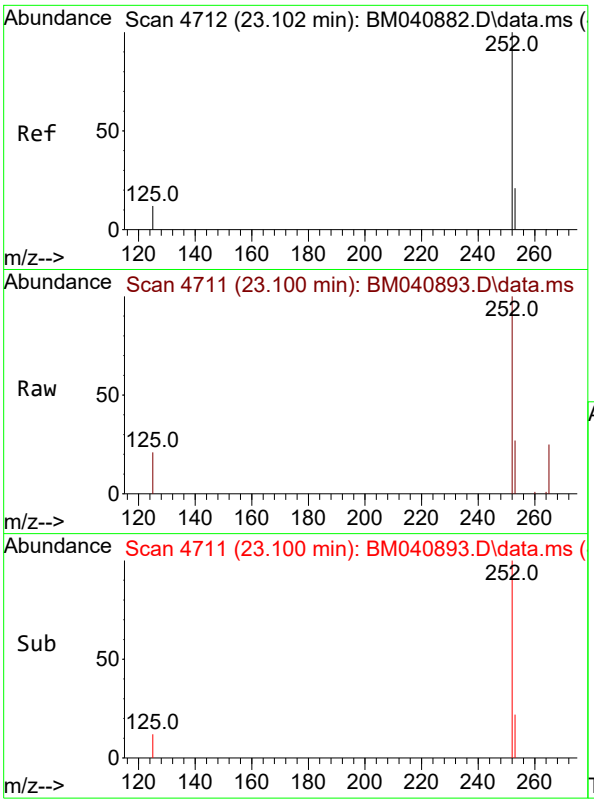


#22
Chrysene
Concen: 0.416 ng/ul
RT: 21.483 min Scan# 4158
Delta R.T. -0.003 min
Lab File: BM040893.D
Acq: 14 Jul 2023 23:58

Tgt Ion:228 Resp: 11796

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.9	37.3
229	20.2	15.8	23.6



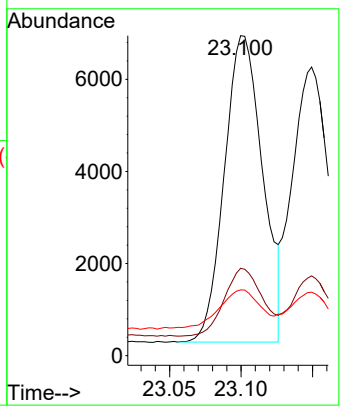


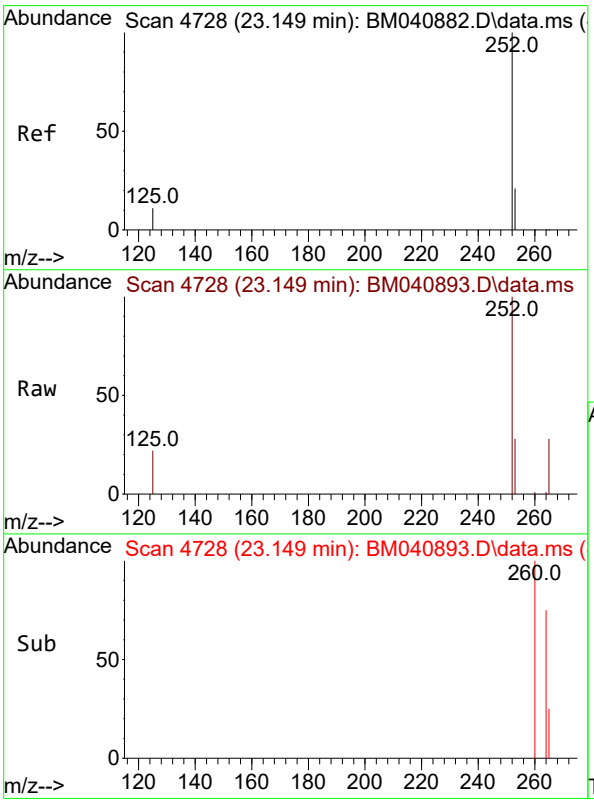
#24
Benzo(b)fluoranthene
Concen: 0.442 ng/ul
RT: 23.100 min Scan# 4
Delta R.T. -0.003 min
Lab File: BM040893.D
Acq: 14 Jul 2023 23:58

Instrument :
BNA_M
ClientSampleId :
A46K7MSD

Tgt Ion:252 Resp: 12396

Ion	Ratio	Lower	Upper
252	100		
253	27.3	0.0	52.8
125	20.6	0.0	43.0

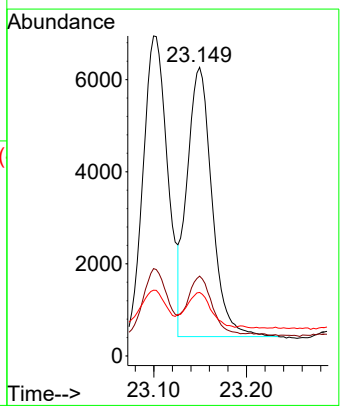


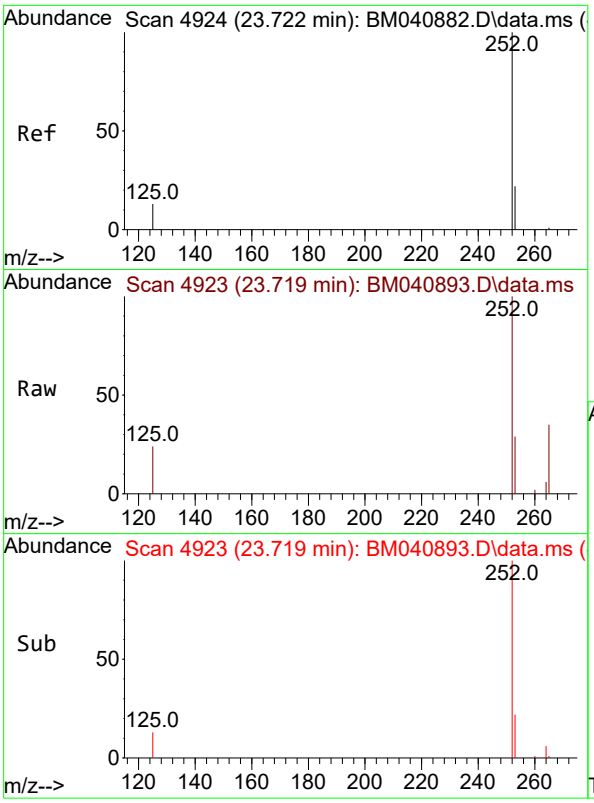


#25
Benzo(k)fluoranthene
Concen: 0.396 ng/ul
RT: 23.149 min Scan# 4728
Delta R.T. 0.000 min
Lab File: BM040893.D
Acq: 14 Jul 2023 23:58

Tgt Ion:252 Resp: 10962

Ion	Ratio	Lower	Upper
252	100		
253	27.6	21.2	31.8
125	22.0	16.4	24.6



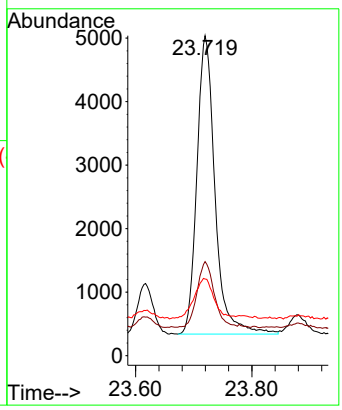


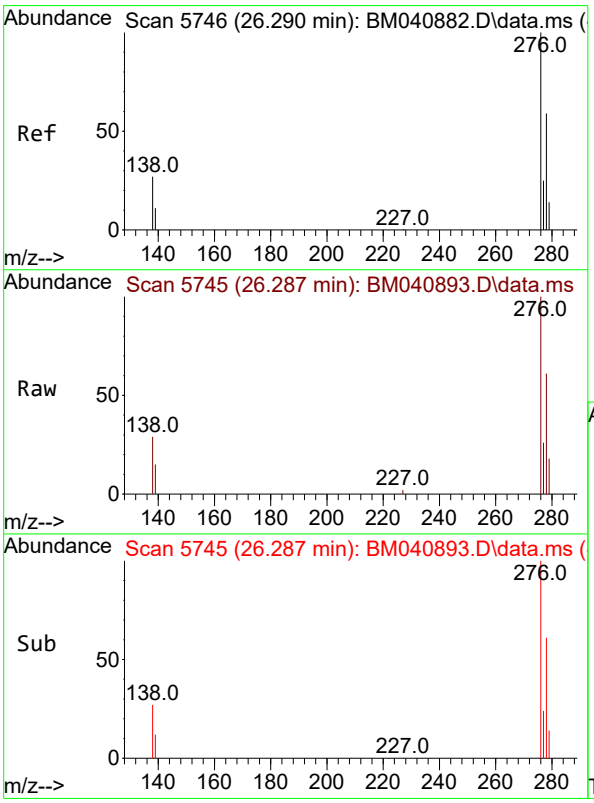
#26
Benzo(a)pyrene
Concen: 0.401 ng/ul
RT: 23.719 min Scan# 4
Delta R.T. -0.003 min
Lab File: BM040893.D
Acq: 14 Jul 2023 23:58

Instrument :
BNA_M
ClientSampleId :
A46K7MSD

Tgt Ion:252 Resp: 10140

Ion	Ratio	Lower	Upper
252	100		
253	29.4	22.9	34.3
125	23.9	21.0	31.4

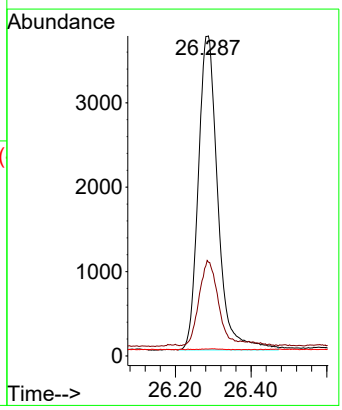


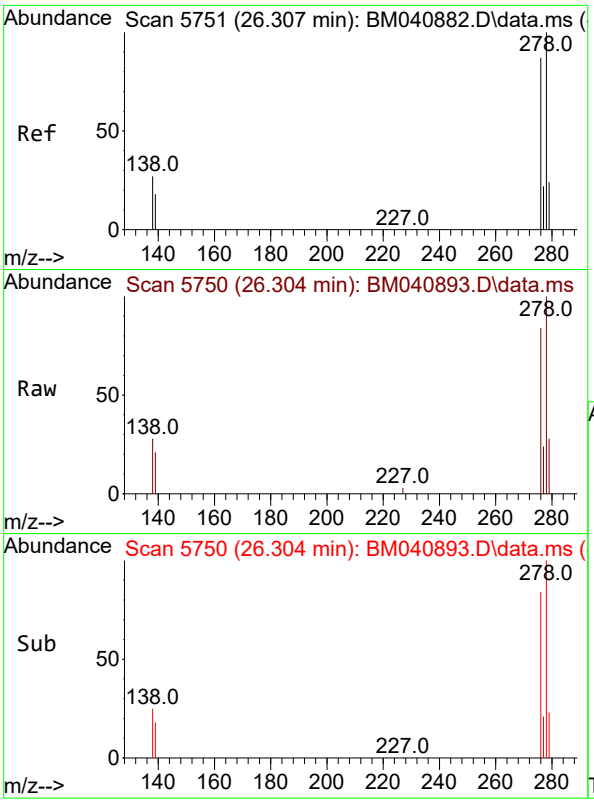


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.378 ng/ul
RT: 26.287 min Scan# 5745
Delta R.T. -0.003 min
Lab File: BM040893.D
Acq: 14 Jul 2023 23:58

Tgt Ion:276 Resp: 13316

Ion	Ratio	Lower	Upper
276	100		
138	28.1	24.5	36.7
227	0.1	0.1	0.1#



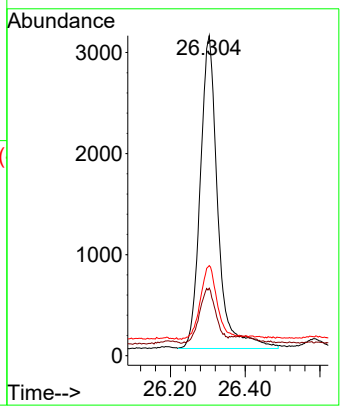


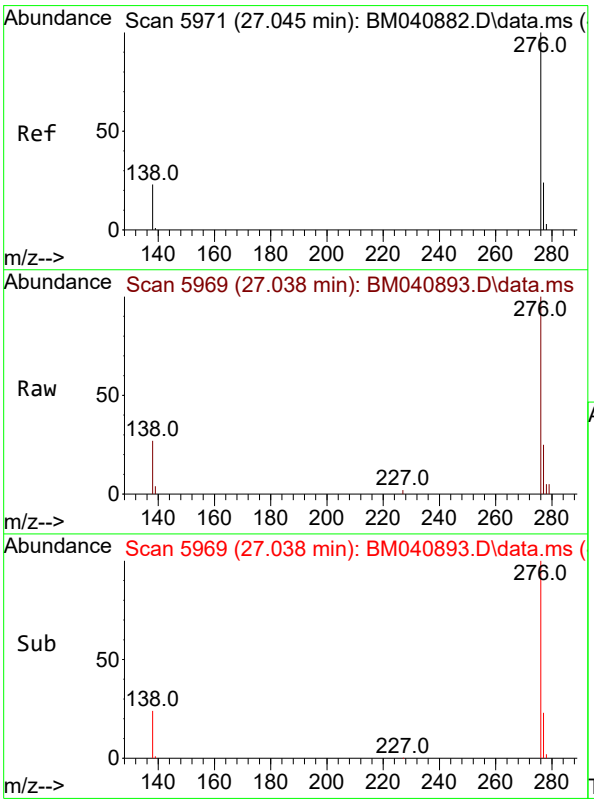
#28
Dibenzo(a,h)anthracene
Concen: 0.364 ng/ul
RT: 26.304 min Scan# 5
Delta R.T. -0.003 min
Lab File: BM040893.D
Acq: 14 Jul 2023 23:58

Instrument :
BNA_M
ClientSampleId :
A46K7MSD

Tgt Ion:278 Resp: 10048

Ion	Ratio	Lower	Upper
278	100		
139	21.1	17.9	26.9
279	28.1	22.0	33.0





#29
Benzo(g,h,i)perylene
Concen: 0.385 ng/ul
RT: 27.038 min Scan# 5969
Delta R.T. -0.007 min
Lab File: BM040893.D
Acq: 14 Jul 2023 23:58

Tgt Ion:276 Resp: 11895

Ion	Ratio	Lower	Upper
276	100		
138	27.2	23.0	34.6
277	25.1	20.3	30.5