Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042023\
Data File : BN025033.D
Acq On : 20 Apr 2023 13:50
Operator : CG/JU
Sample : 02296-12MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DCBL6MS

Quant Time: Apr 21 04:19:36 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN042023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 21 04:13:07 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.929	152	9265	0.400	ng/ul	0.00
4) Naphthalene-d8	10.743	136	28585	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.575	164	16305	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.321	188	35623	0.400	ng/ul	0.00
17) Chrysene-d12	21.517	240	25173	0.400	ng/ul	0.00
23) Perylene-d12	23.952	264	19854	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.310	96	2632	0.274	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.326	152	13933	0.380	ng/ul	0.00
18) Fluoranthene-d10	19.349	212	35054	0.528	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.343	88	7260	0.703	ng/ul	95
5) Naphthalene	10.787	128	29326	0.400	ng/ul	100
7) 2-Methylnaphthalene	12.403	142	17245	0.384	ng/ul	100
8) 1-Methylnaphthalene	12.618	142	18312	0.383	ng/ul	100
10) Acenaphthylene	14.292	152	23319	0.384	ng/ul	100
11) Acenaphthene	14.635	153	20062	0.392	ng/ul	99
12) Fluorene	15.620	166	22851	0.399	ng/ul	97
14) Pentachlorophenol	16.975	266	5538	0.792	ng/ul	99
15) Phenanthrene	17.364	178	40825	0.406	ng/ul	99
16) Anthracene	17.456	178	32865	0.400	ng/ul	99
19) Fluoranthene	19.382	202	47794	0.525	ng/ul	100
20) Pyrene	19.744	202	48736	0.521	ng/ul	99
21) Benzo(a)anthracene	21.503	228	35803	0.472	ng/ul	100
22) Chrysene	21.552	228	39200	0.474	ng/ul	99
24) Benzo(b)fluoranthene	23.209	252	35625	0.442	ng/ul	98
25) Benzo(k)fluoranthene	23.256	252	34080	0.440	ng/ul	99
26) Benzo(a)pyrene	23.844	252	27135	0.407	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	26.480	276	33667	0.438	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.500	278	26555	0.443	ng/ul	98
29) Benzo(g,h,i)perylene	27.258	276	29592	0.453	ng/ul	99

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

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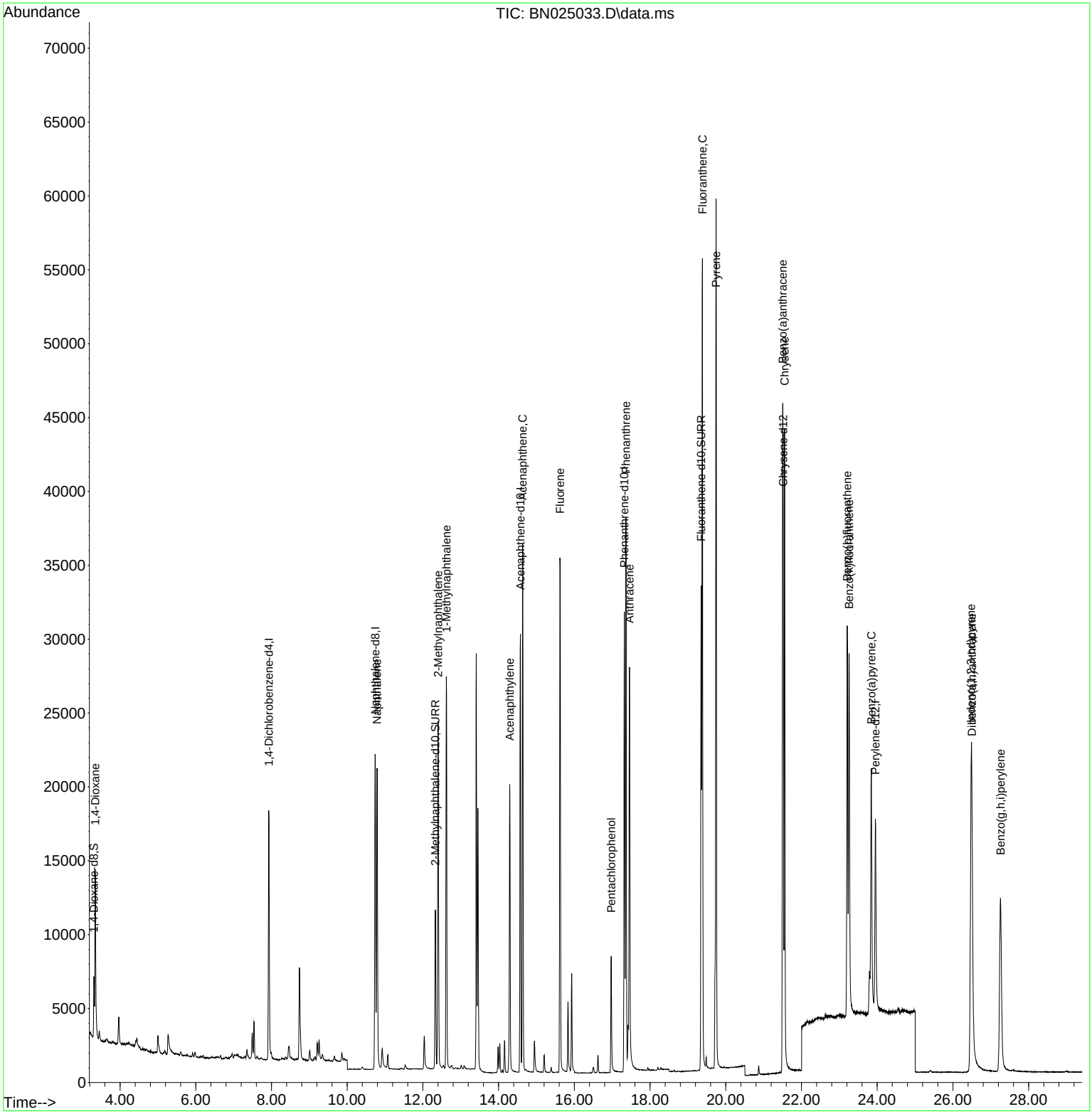
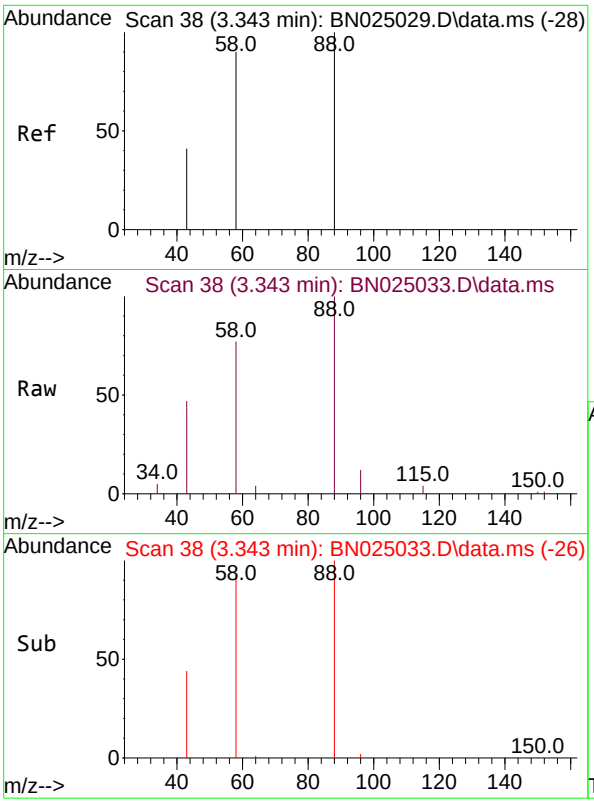


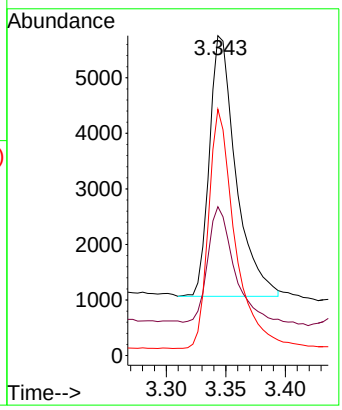


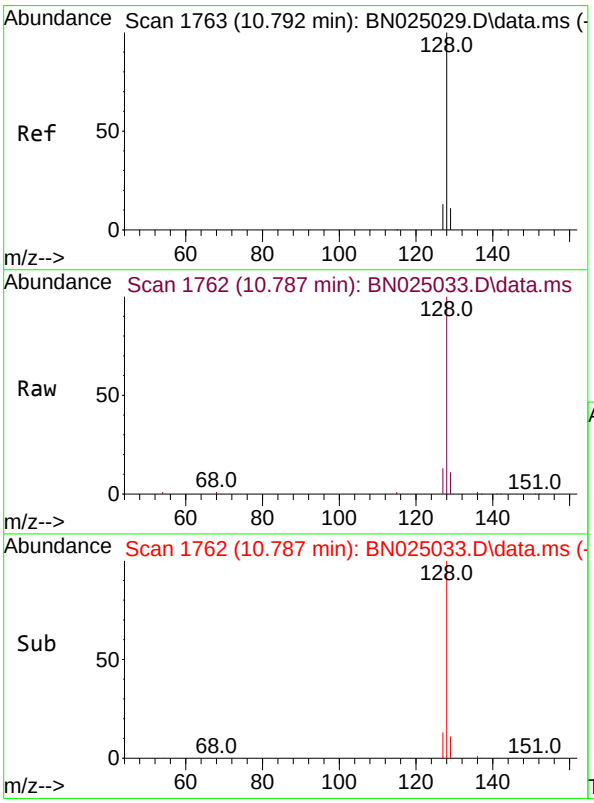
#2
1,4-Dioxane
Concen: 0.703 ng/ul
RT: 3.343 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN025033.D
Acq: 20 Apr 2023 13:50

Instrument :
BNA_N
ClientSampleId :
DCBL6MS

Tgt Ion: 88 Resp: 7260

Ion	Ratio	Lower	Upper
88	100		
43	46.5	37.0	55.4
58	77.0	56.9	85.3

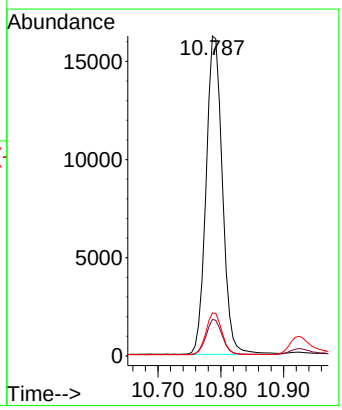


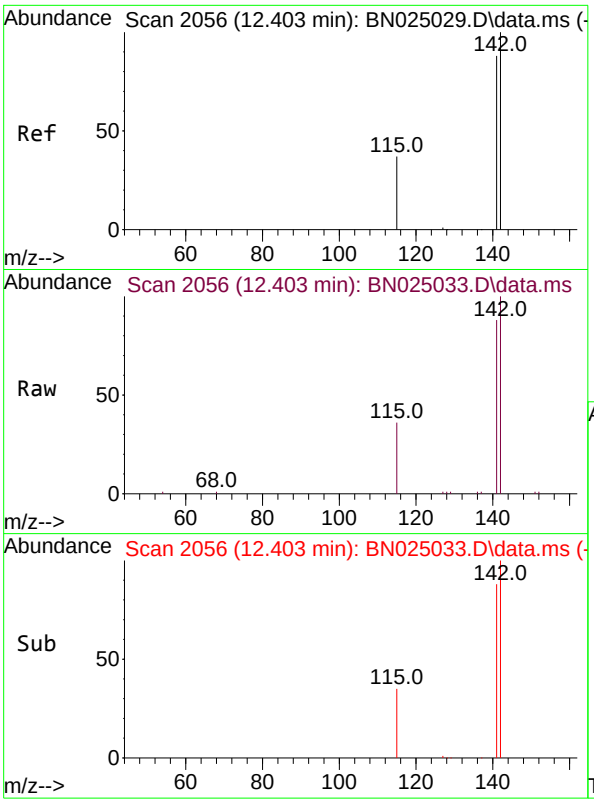


#5
Naphthalene
Concen: 0.400 ng/ul
RT: 10.787 min Scan# 1762
Delta R.T. -0.005 min
Lab File: BN025033.D
Acq: 20 Apr 2023 13:50

Tgt Ion:128 Resp: 29326

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.6
127	13.4	10.7	16.1



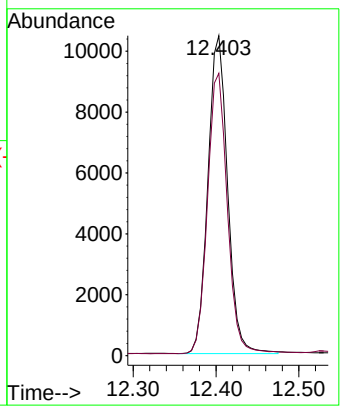


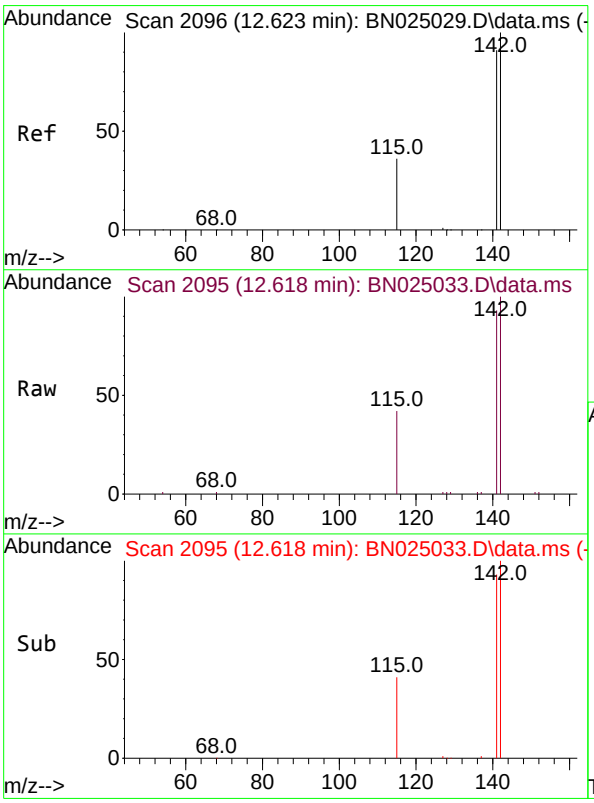
#7
2-Methylnaphthalene
Concen: 0.384 ng/ul
RT: 12.403 min Scan# 20
Delta R.T. 0.000 min
Lab File: BN025033.D
Acq: 20 Apr 2023 13:50

Instrument :
BNA_N
ClientSampleId :
DCBL6MS

Tgt Ion:142 Resp: 17245

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.4	107.0

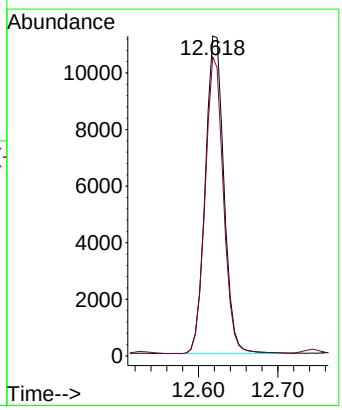


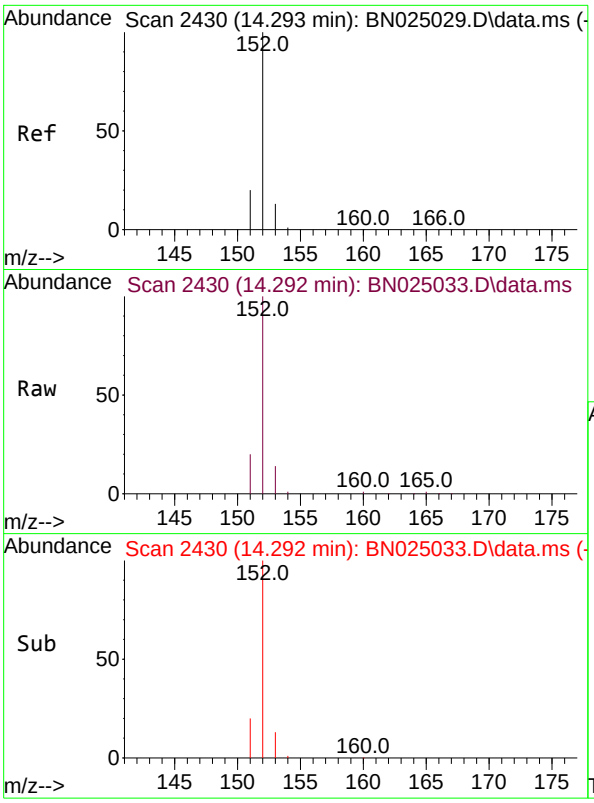


#8
1-Methylnaphthalene
Concen: 0.383 ng/ul
RT: 12.618 min Scan# 2095
Delta R.T. -0.005 min
Lab File: BN025033.D
Acq: 20 Apr 2023 13:50

Tgt Ion:142 Resp: 18312

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.8	110.6



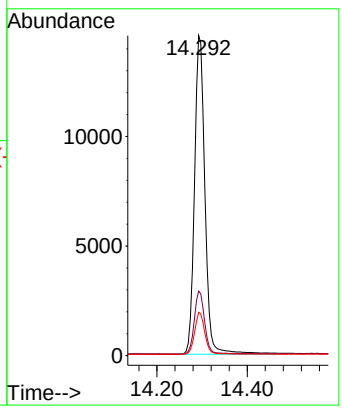


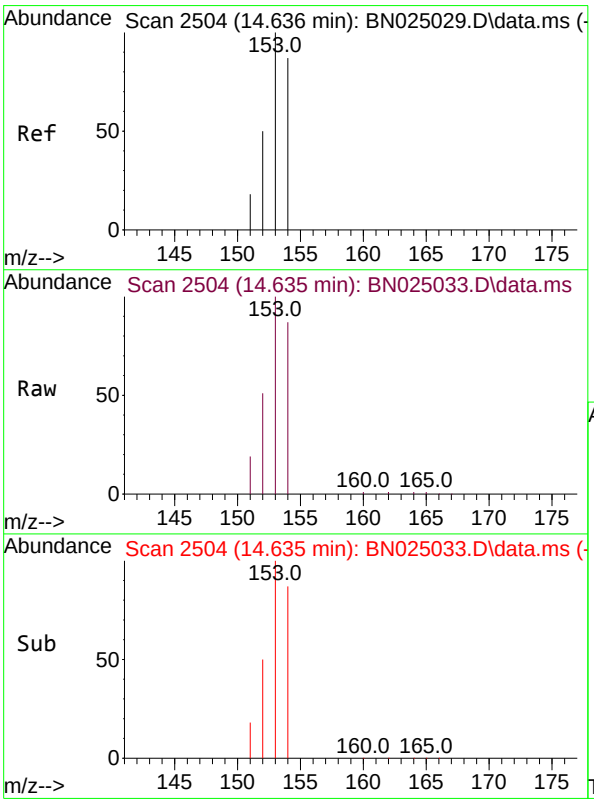
#10
Acenaphthylene
Concen: 0.384 ng/ul
RT: 14.292 min Scan# 24
Delta R.T. -0.001 min
Lab File: BN025033.D
Acq: 20 Apr 2023 13:50

Instrument :
BNA_N
ClientSampleId :
DCBL6MS

Tgt Ion:152 Resp: 23319

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.0	24.0
153	13.5	10.8	16.2

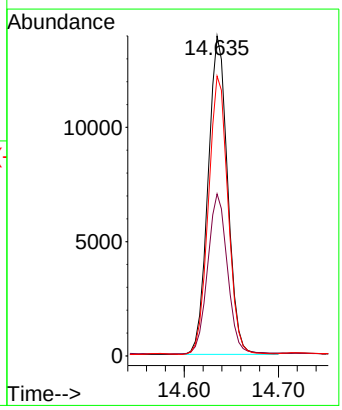


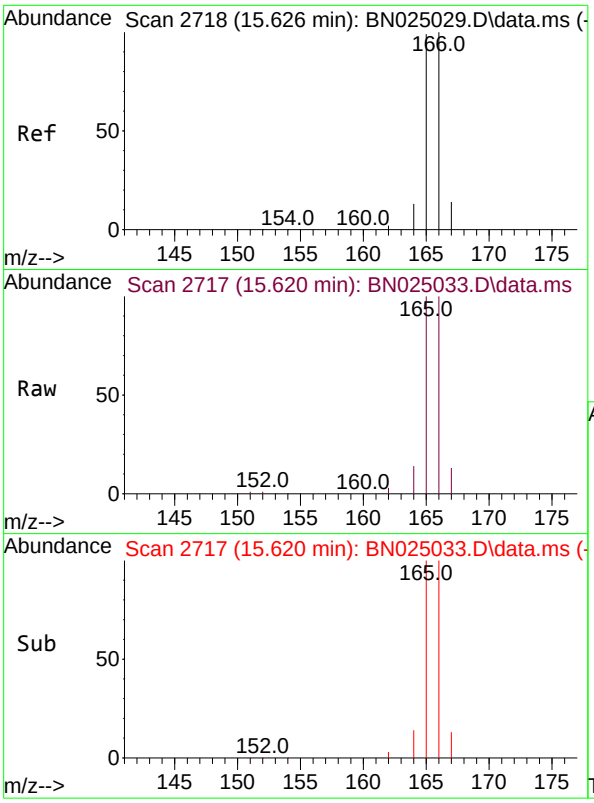


#11
Acenaphthene
Concen: 0.392 ng/ul
RT: 14.635 min Scan# 2504
Delta R.T. -0.001 min
Lab File: BN025033.D
Acq: 20 Apr 2023 13:50

Tgt Ion:153 Resp: 20062

Ion	Ratio	Lower	Upper
153	100		
152	50.6	40.2	60.4
154	87.4	69.4	104.2



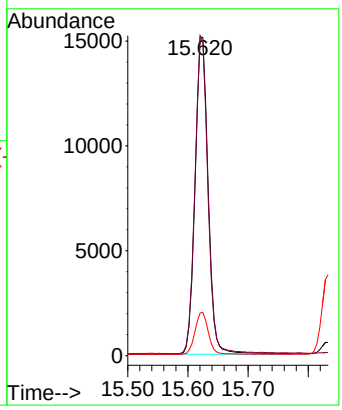


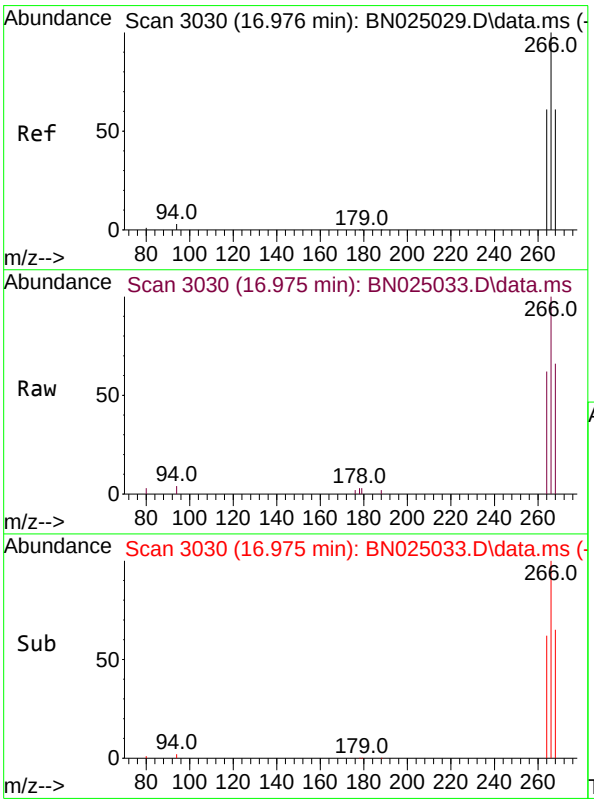
#12
Fluorene
Concen: 0.399 ng/ul
RT: 15.620 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN025033.D
Acq: 20 Apr 2023 13:50

Instrument :
BNA_N
ClientSampleId :
DCBL6MS

Tgt Ion:166 Resp: 22851

Ion	Ratio	Lower	Upper
166	100		
165	100.4	78.1	117.1
167	13.3	11.0	16.6

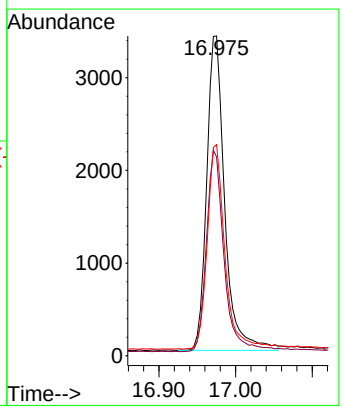


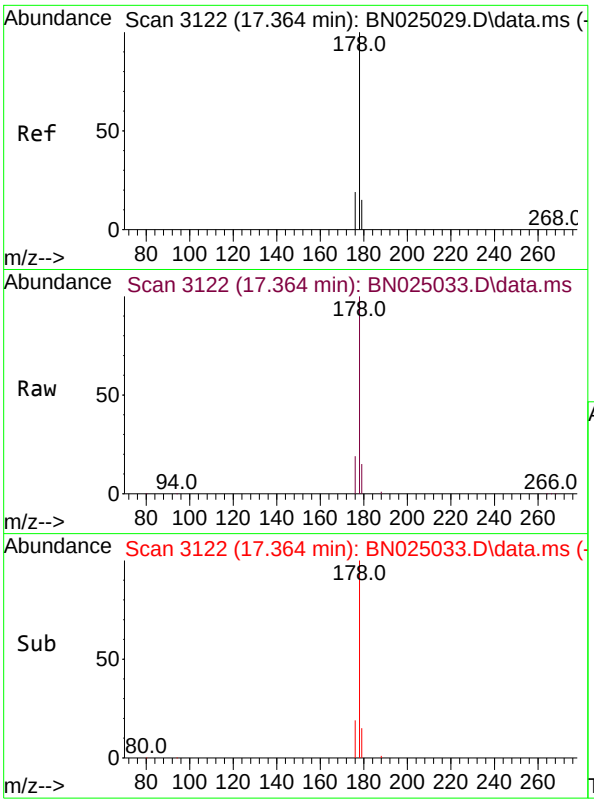


#14
Pentachlorophenol
Concen: 0.792 ng/ul
RT: 16.975 min Scan# 3030
Delta R.T. -0.001 min
Lab File: BN025033.D
Acq: 20 Apr 2023 13:50

Tgt Ion:266 Resp: 5538

Ion	Ratio	Lower	Upper
266	100		
264	63.0	49.6	74.4
268	64.0	51.3	76.9





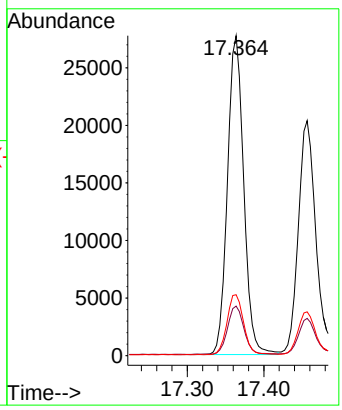
#15
Phenanthrene
Concen: 0.406 ng/ul
RT: 17.364 min Scan# 3

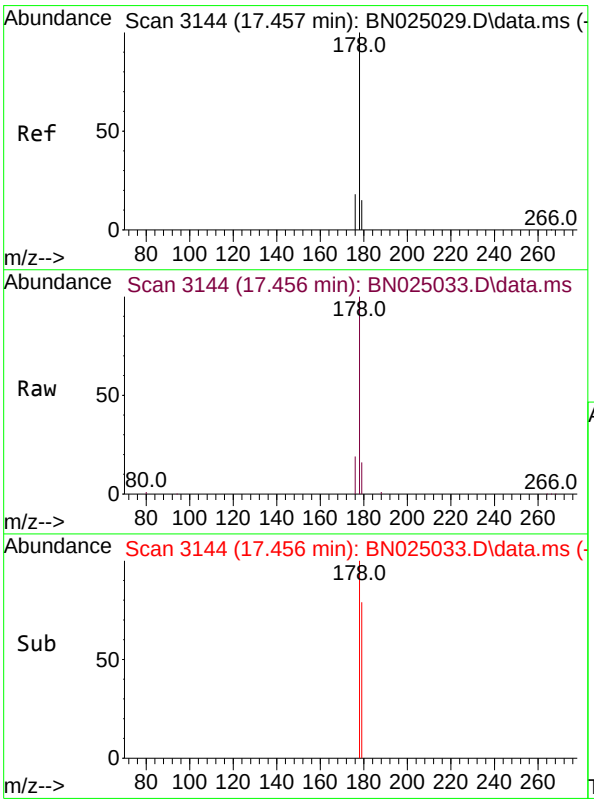
Instrument :
BNA_N
ClientSampleId :
DCBL6MS

Delta R.T. -0.001 min
Lab File: BN025033.D
Acq: 20 Apr 2023 13:50

Tgt Ion:178 Resp: 40825

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.5	18.7
176	19.0	15.6	23.4

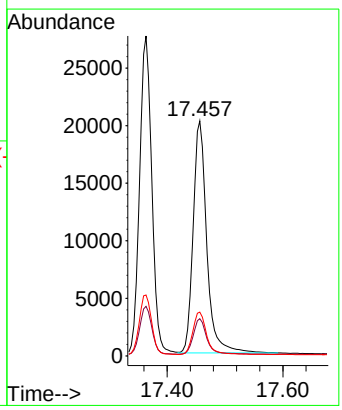


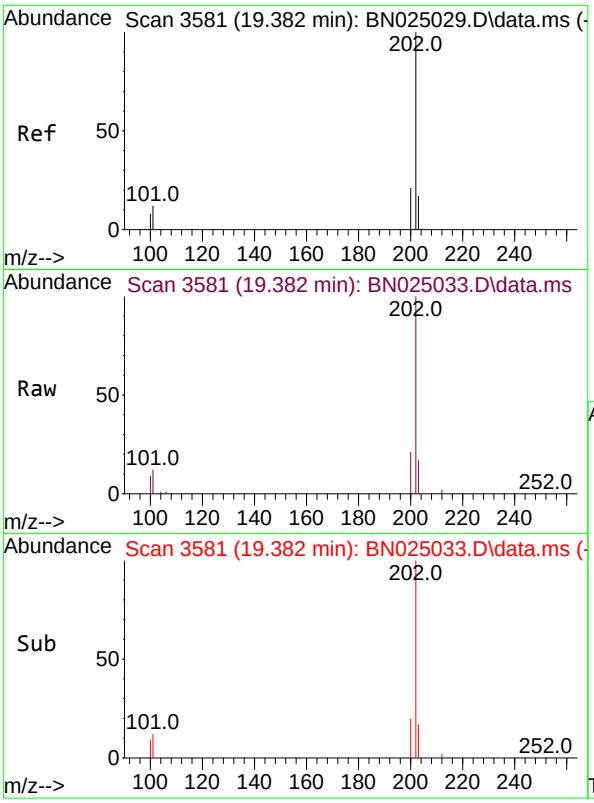


#16
Anthracene
Concen: 0.400 ng/ul
RT: 17.456 min Scan# 3144
Delta R.T. -0.001 min
Lab File: BN025033.D
Acq: 20 Apr 2023 13:50

Tgt Ion:178 Resp: 32865

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.7	19.1
176	18.6	15.3	22.9



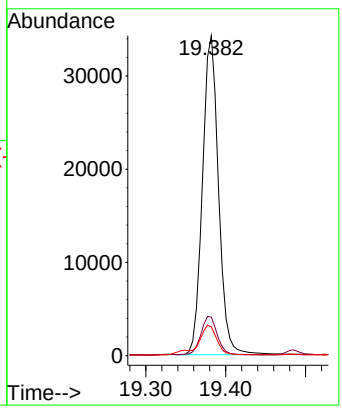


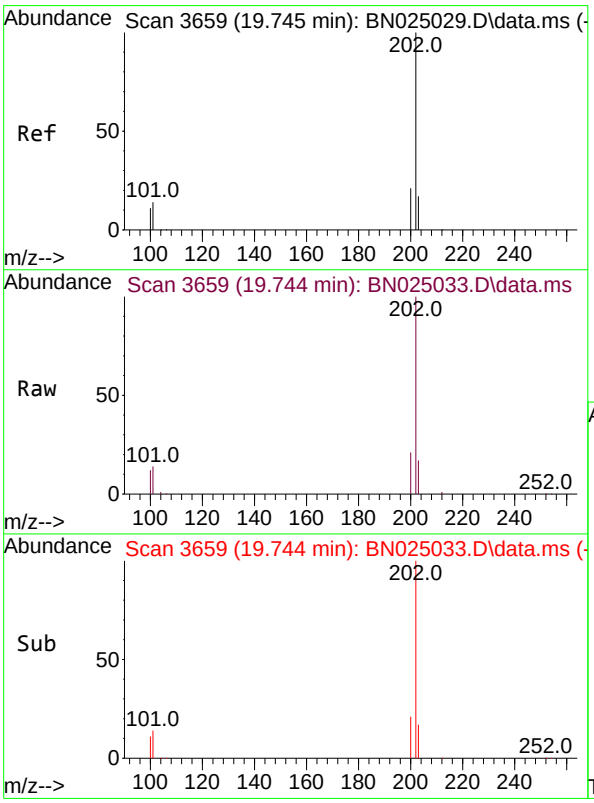
#19
Fluoranthene
Concen: 0.525 ng/ul
RT: 19.382 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN025033.D
Acq: 20 Apr 2023 13:50

Instrument :
BNA_N
ClientSampleId :
DCBL6MS

Tgt Ion:202 Resp: 47794

Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.7	14.5
100	9.0	7.3	10.9

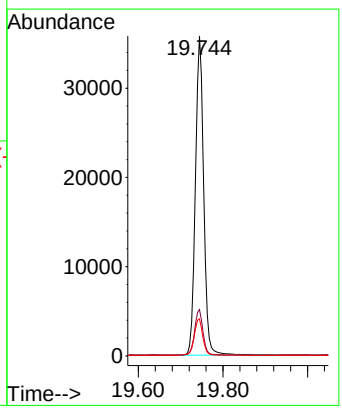


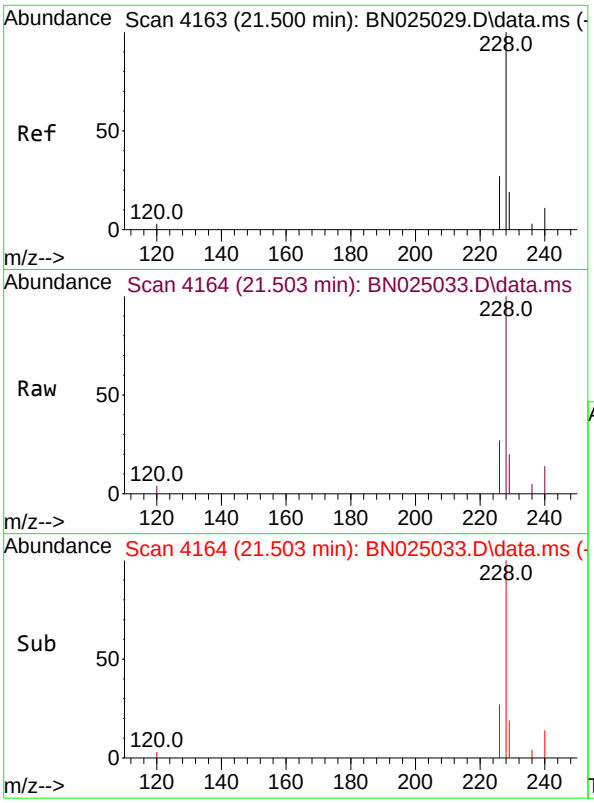


#20
Pyrene
Concen: 0.521 ng/ul
RT: 19.744 min Scan# 3659
Delta R.T. -0.000 min
Lab File: BN025033.D
Acq: 20 Apr 2023 13:50

Tgt Ion:202 Resp: 48736

Ion	Ratio	Lower	Upper
202	100		
101	14.5	11.3	16.9
100	11.6	9.2	13.8



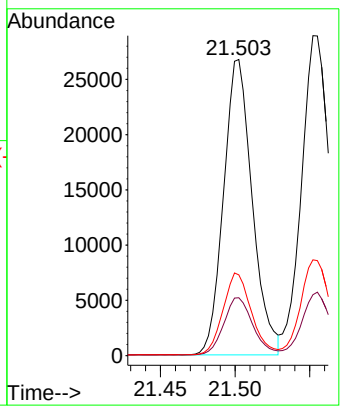


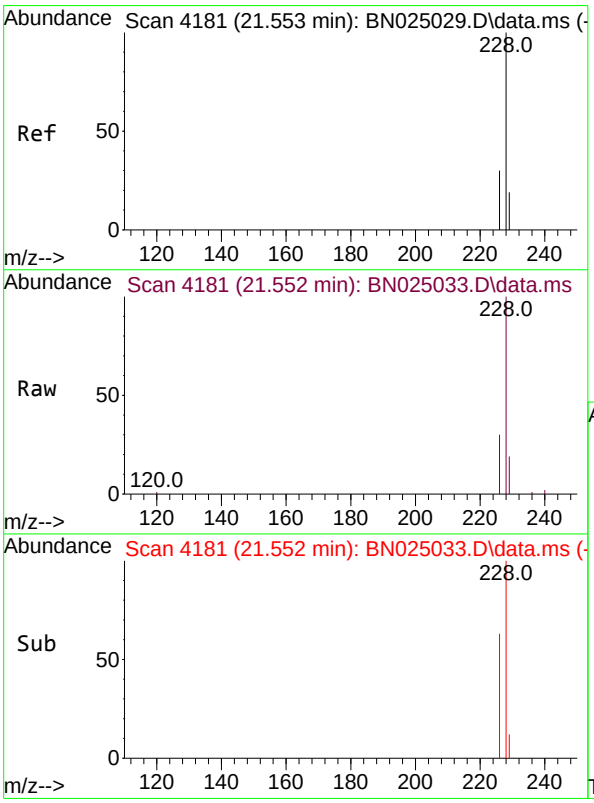
#21
Benzo(a)anthracene
Concen: 0.472 ng/ul
RT: 21.503 min Scan# 41
Delta R.T. 0.003 min
Lab File: BN025033.D
Acq: 20 Apr 2023 13:50

Instrument :
BNA_N
ClientSampleId :
DCBL6MS

Tgt Ion:228 Resp: 35803

Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.6	23.4
226	27.3	22.1	33.1

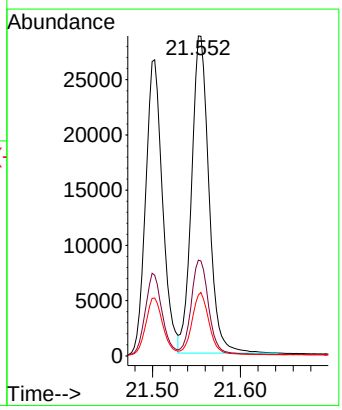


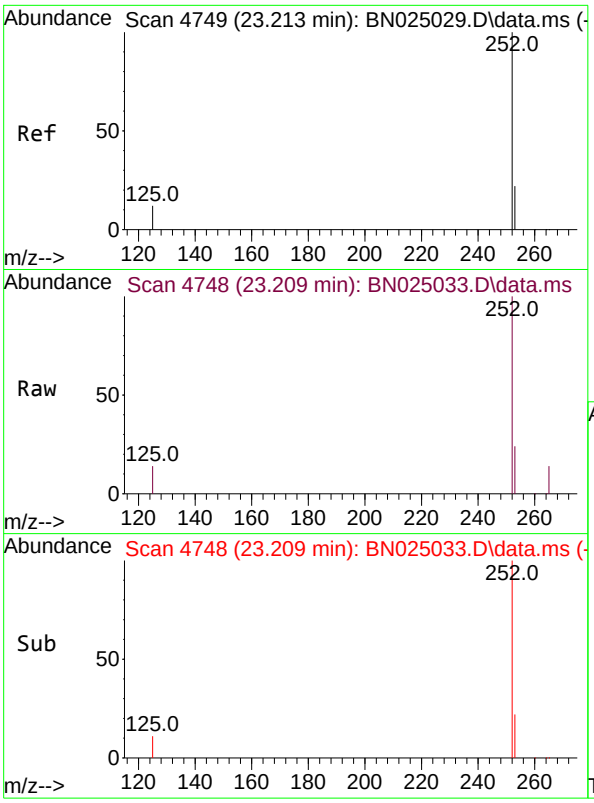


#22
Chrysene
Concen: 0.474 ng/ul
RT: 21.552 min Scan# 4181
Delta R.T. -0.000 min
Lab File: BN025033.D
Acq: 20 Apr 2023 13:50

Tgt Ion:228 Resp: 39200

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.5	36.7
229	19.0	15.8	23.6



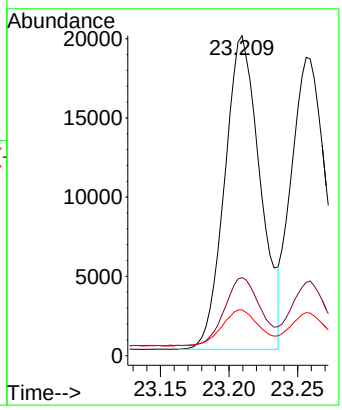


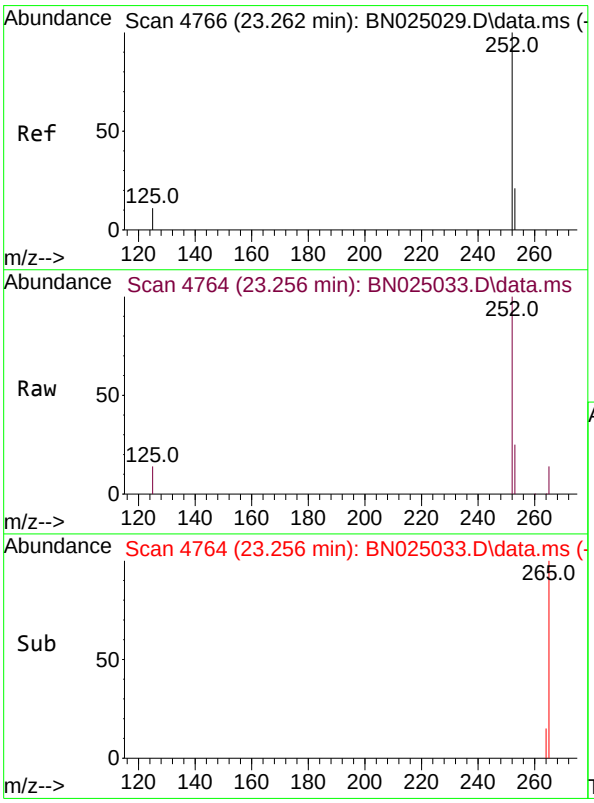
#24
Benzo(b)fluoranthene
Concen: 0.442 ng/ul
RT: 23.209 min Scan# 4
Delta R.T. -0.003 min
Lab File: BN025033.D
Acq: 20 Apr 2023 13:50

Instrument :
BNA_N
ClientSampleId :
DCBL6MS

Tgt Ion:252 Resp: 35625

Ion	Ratio	Lower	Upper
252	100		
253	24.4	0.0	50.2
125	14.3	0.0	30.4

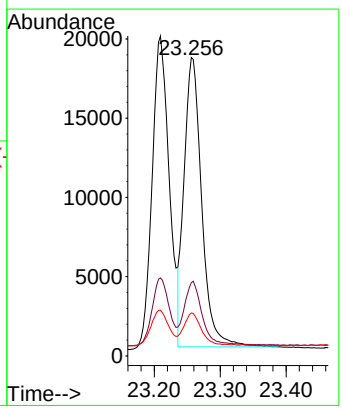


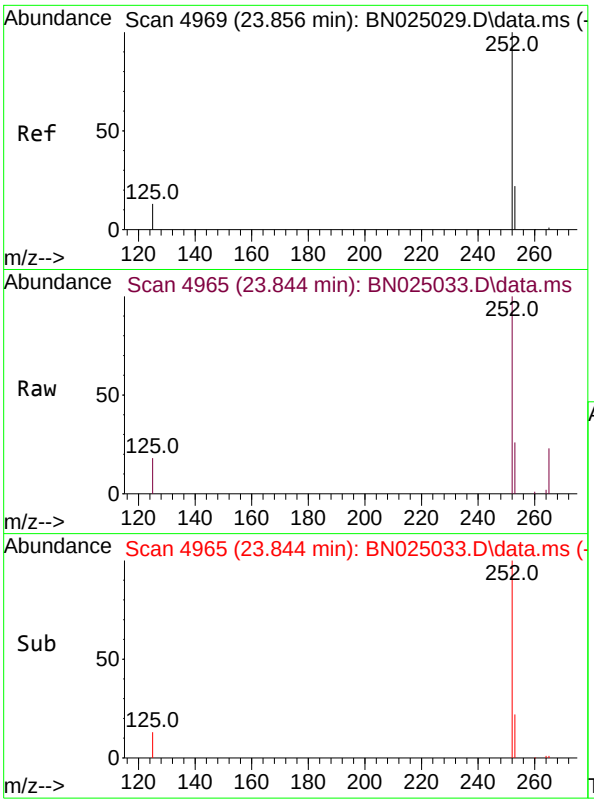


#25
Benzo(k)fluoranthene
Concen: 0.440 ng/ul
RT: 23.256 min Scan# 4764
Delta R.T. -0.006 min
Lab File: BN025033.D
Acq: 20 Apr 2023 13:50

Tgt Ion:252 Resp: 34080

Ion	Ratio	Lower	Upper
252	100		
253	24.6	20.2	30.4
125	14.4	11.8	17.8



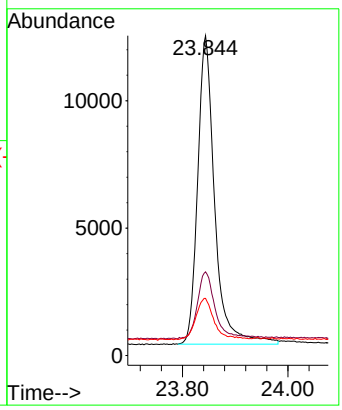


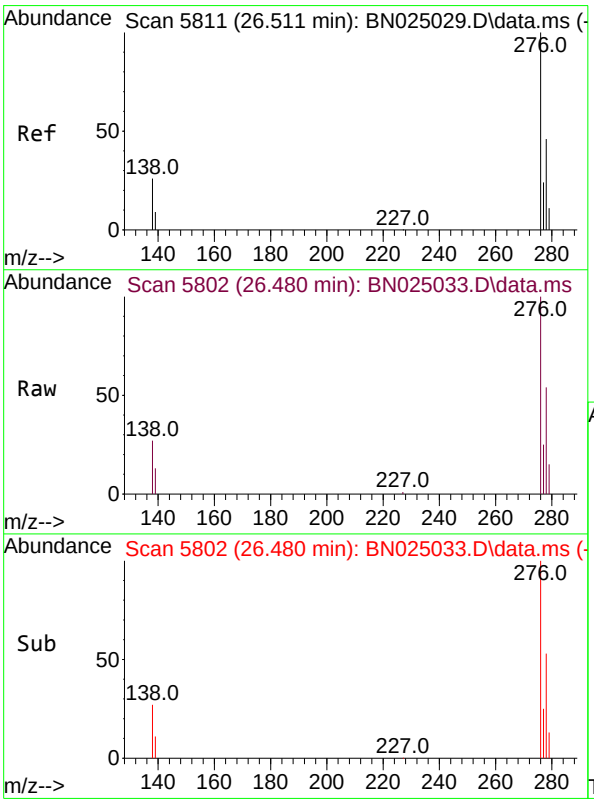
#26
Benzo(a)pyrene
Concen: 0.407 ng/ul
RT: 23.844 min Scan# 49
Delta R.T. -0.012 min
Lab File: BN025033.D
Acq: 20 Apr 2023 13:50

Instrument :
BNA_N
ClientSampleId :
DCBL6MS

Tgt Ion:252 Resp: 27135

Ion	Ratio	Lower	Upper
252	100		
253	26.2	21.4	32.2
125	17.9	14.6	22.0

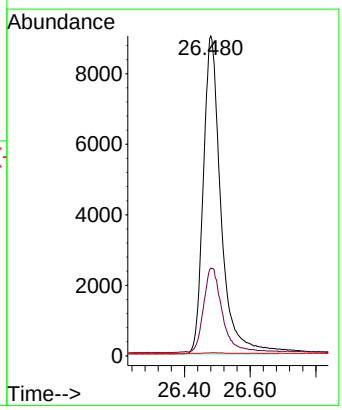


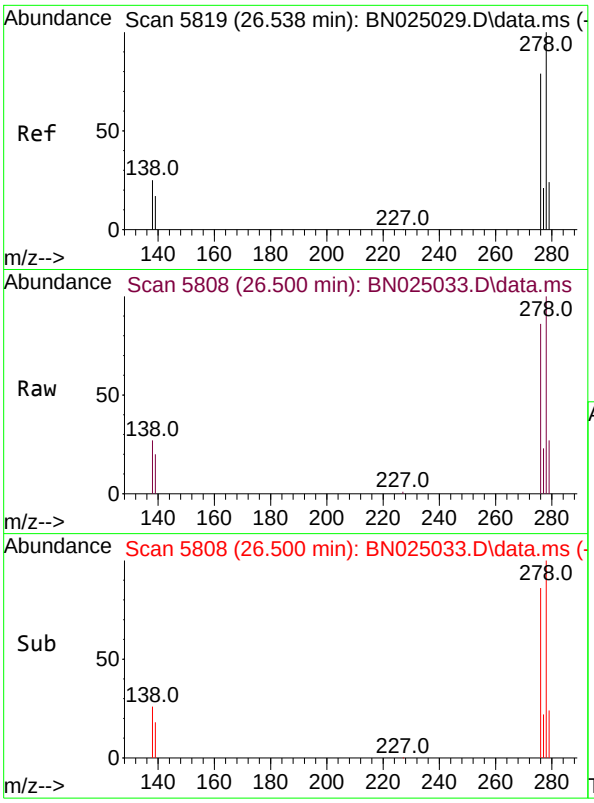


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.438 ng/ul
RT: 26.480 min Scan# 5802
Delta R.T. -0.031 min
Lab File: BN025033.D
Acq: 20 Apr 2023 13:50

Tgt Ion:276 Resp: 33667

Ion	Ratio	Lower	Upper
276	100		
138	27.6	21.9	32.9
227	0.2	0.1	0.1#



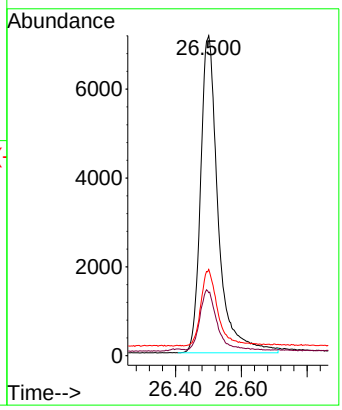


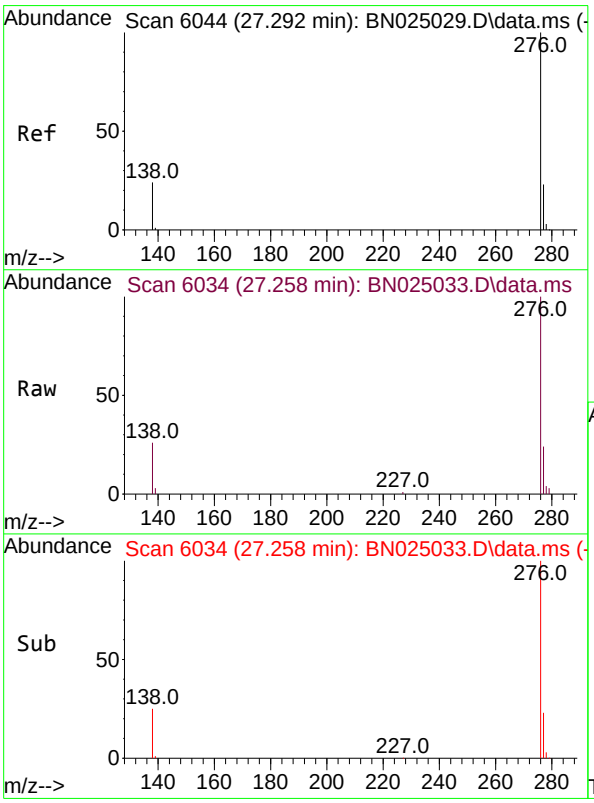
#28
Dibenzo(a,h)anthracene
Concen: 0.443 ng/ul
RT: 26.500 min Scan# 58
Delta R.T. -0.037 min
Lab File: BN025033.D
Acq: 20 Apr 2023 13:50

Instrument :
BNA_N
ClientSampleId :
DCBL6MS

Tgt Ion:278 Resp: 26555

Ion	Ratio	Lower	Upper
278	100		
139	19.7	17.0	25.6
279	26.9	21.8	32.8





#29
Benzo(g,h,i)perylene
Concen: 0.453 ng/ul
RT: 27.258 min Scan# 6034
Delta R.T. -0.034 min
Lab File: BN025033.D
Acq: 20 Apr 2023 13:50

Tgt Ion:276 Resp: 29592

Ion	Ratio	Lower	Upper
276	100		
138	25.6	20.3	30.5
277	24.4	19.8	29.6