Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM072623\
Data File : BM041130.D
Acq On : 26 Jul 2023 11:43
Operator : MA/JU
Sample : 03553-11MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4701MSD

Quant Time: Jul 27 01:18:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 26 04:20:13 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.832	152	2370	0.400	ng/ul	0.00
4) Naphthalene-d8	10.636	136	8534	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.490	164	4741	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.249	188	10088	0.400	ng/ul	0.00
17) Chrysene-d12	21.451	240	9377	0.400	ng/ul	0.00
23) Perylene-d12	23.836	264	9249	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.254	96	858	0.235	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.236	152	4231	0.347	ng/ul	0.00
18) Fluoranthene-d10	19.283	212	11699	0.458	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.284	88	2225	0.596	ng/ul#	55
5) Naphthalene	10.691	128	8014	0.289	ng/ul	99
7) 2-Methylnaphthalene	12.313	142	4651	0.342	ng/ul	99
8) 1-Methylnaphthalene	12.528	142	5065	0.362	ng/ul	100
10) Acenaphthylene	14.213	152	6748	0.337	ng/ul	99
11) Acenaphthene	14.550	153	5754	0.341	ng/ul	99
12) Fluorene	15.550	166	6430	0.349	ng/ul	100
14) Pentachlorophenol	16.915	266	418	0.142	ng/ul	97
15) Phenanthrene	17.291	178	11006	0.354	ng/ul	99
16) Anthracene	17.388	178	8908	0.354	ng/ul	99
19) Fluoranthene	19.315	202	14241	0.424	ng/ul	98
20) Pyrene	19.678	202	15133	0.408	ng/ul	99
21) Benzo(a)anthracene	21.437	228	12323	0.393	ng/ul	100
22) Chrysene	21.486	228	13621	0.376	ng/ul	99
24) Benzo(b)fluoranthene	23.108	252	14119	0.383	ng/ul	99
25) Benzo(k)fluoranthene	23.155	252	13618	0.387	ng/ul	100
26) Benzo(a)pyrene	23.731	252	11349	0.380	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	26.297	276	16408	0.371	ng/ul#	100
28) Dibenzo(a,h)anthracene	26.317	278	12911	0.372	ng/ul	99
29) Benzo(g,h,i)perylene	27.048	276	14526	0.368	ng/ul	99

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

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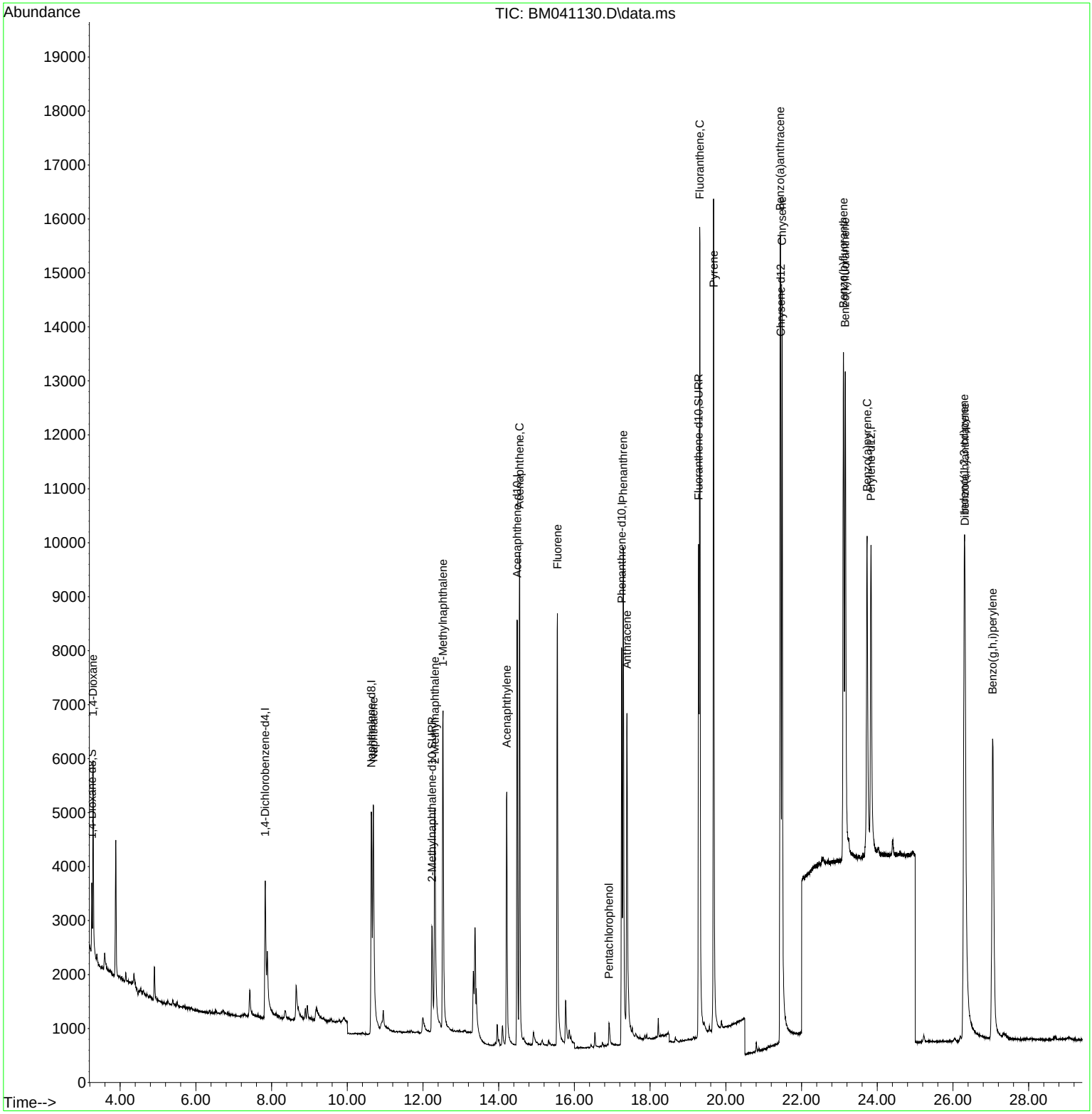
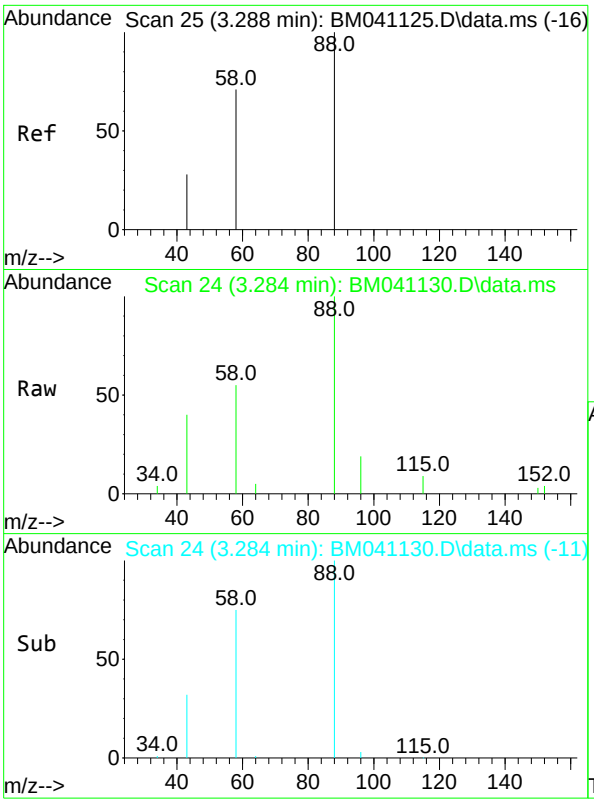


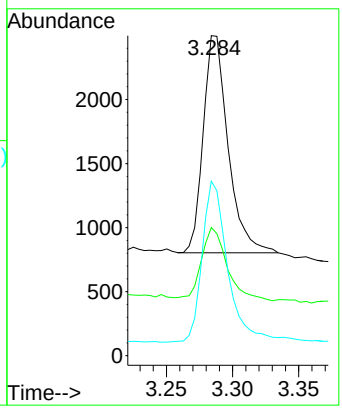


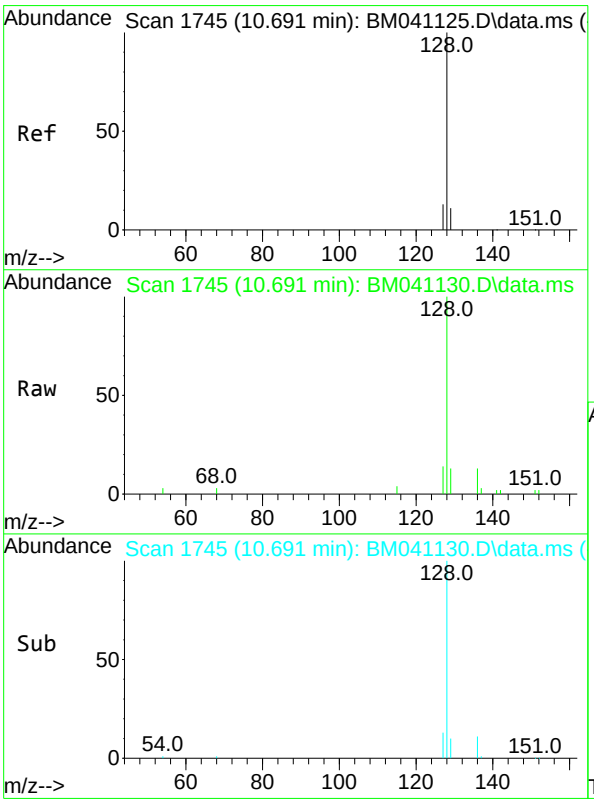
#2
1,4-Dioxane
Concen: 0.596 ng/ul
RT: 3.284 min Scan# 2
Delta R.T. -0.004 min
Lab File: BM041130.D
Acq: 26 Jul 2023 11:43

Instrument :
BNA_M
ClientSampleId :
A4701MSD

Tgt Ion: 88 Resp: 2225

Ion	Ratio	Lower	Upper
88	100		
43	40.1	83.1	124.7#
58	54.5	38.8	58.2

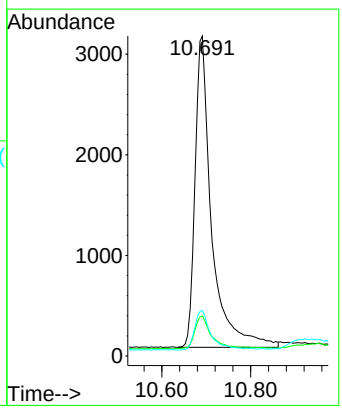


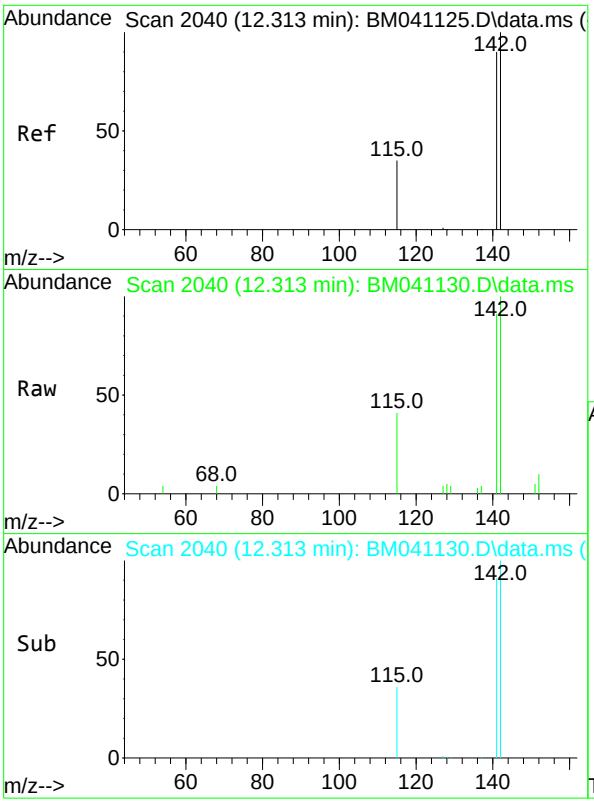


#5
Naphthalene
Concen: 0.289 ng/ul
RT: 10.691 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BM041130.D
Acq: 26 Jul 2023 11:43

Tgt Ion:128 Resp: 8014

Ion	Ratio	Lower	Upper
128	100		
129	12.5	9.8	14.8
127	14.3	11.1	16.7



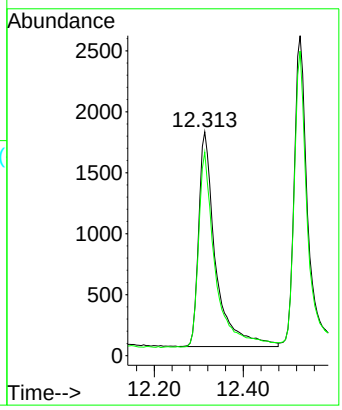


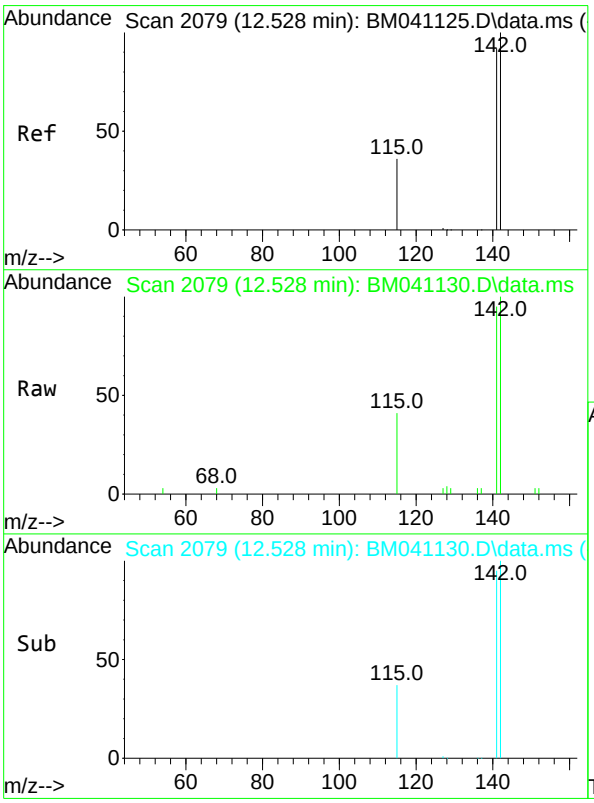
#7
2-Methylnaphthalene
Concen: 0.342 ng/ul
RT: 12.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM041130.D
Acq: 26 Jul 2023 11:43

Instrument :
BNA_M
ClientSampleId :
A4701MSD

Tgt Ion:142 Resp: 4651

Ion	Ratio	Lower	Upper
142	100		
141	90.3	73.3	109.9

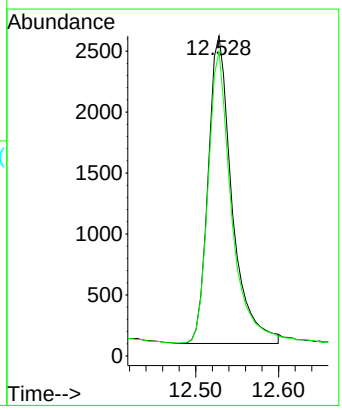


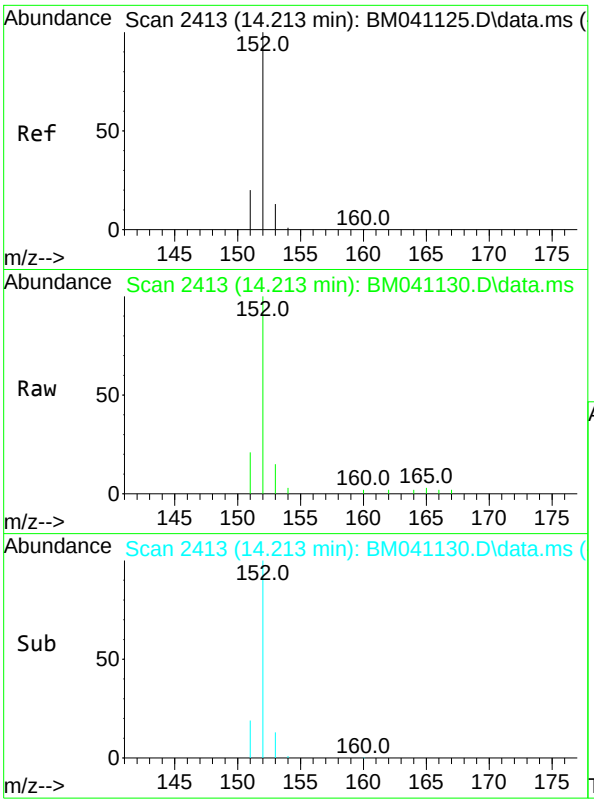


#8
1-Methylnaphthalene
Concen: 0.362 ng/ul
RT: 12.528 min Scan# 2079
Delta R.T. 0.000 min
Lab File: BM041130.D
Acq: 26 Jul 2023 11:43

Tgt Ion:142 Resp: 5065

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.6	110.4



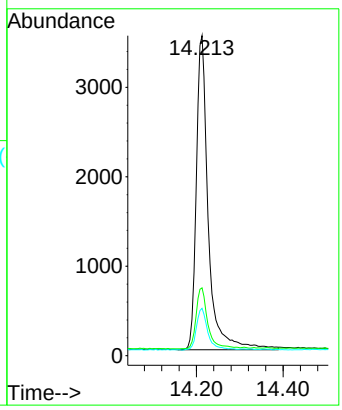


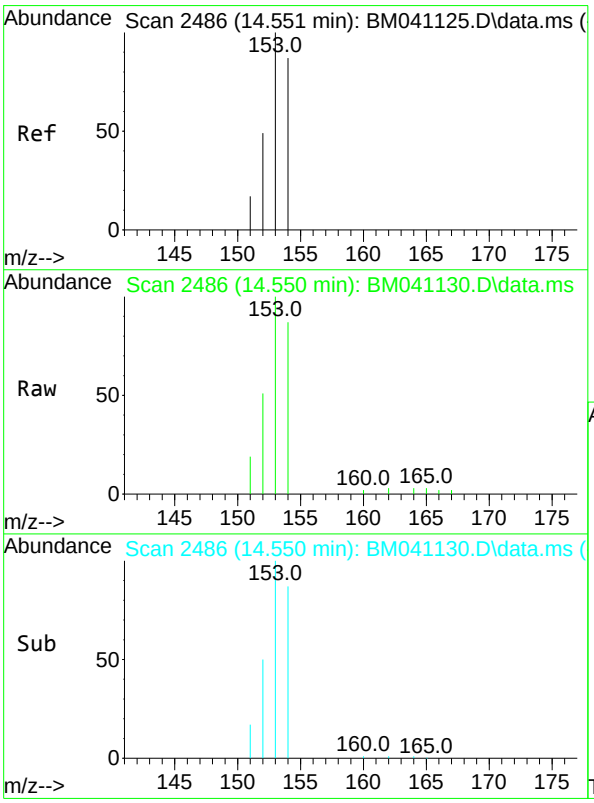
#10
Acenaphthylene
Concen: 0.337 ng/ul
RT: 14.213 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM041130.D
Acq: 26 Jul 2023 11:43

Instrument :
BNA_M
ClientSampleId :
A4701MSD

Tgt Ion:152 Resp: 6748

Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.8	25.2
153	14.8	11.4	17.2

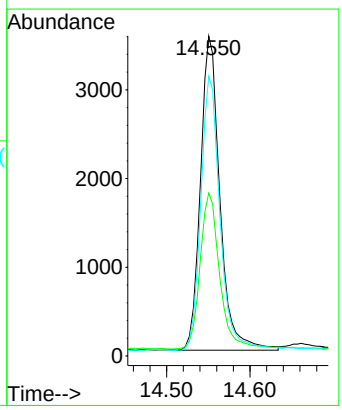


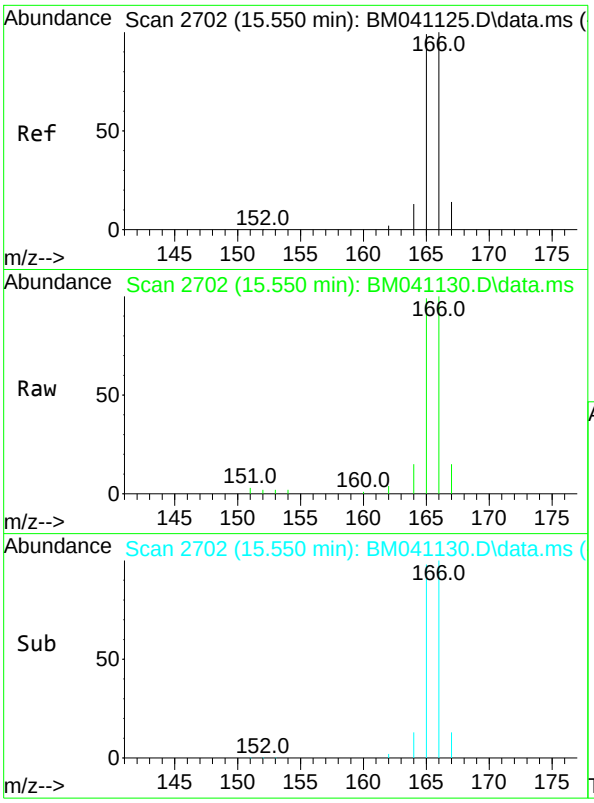


#11
Acenaphthene
Concen: 0.341 ng/ul
RT: 14.550 min Scan# 2486
Delta R.T. -0.005 min
Lab File: BM041130.D
Acq: 26 Jul 2023 11:43

Tgt Ion:153 Resp: 5754

Ion	Ratio	Lower	Upper
153	100		
152	50.9	40.2	60.4
154	87.3	70.3	105.5



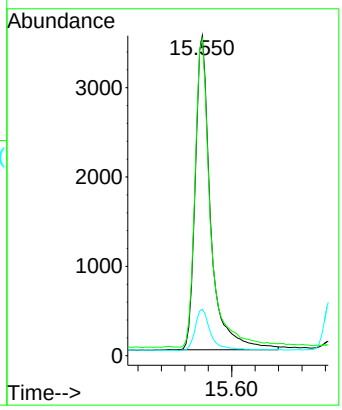


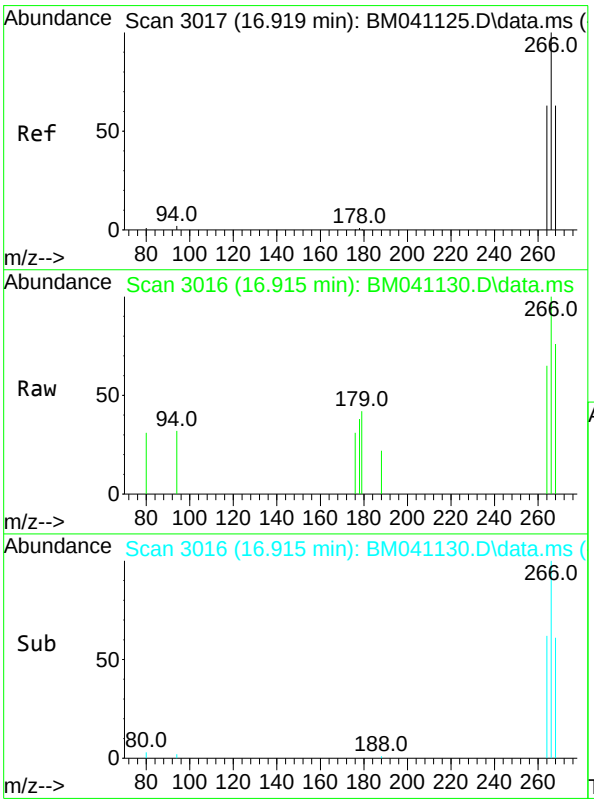
#12
Fluorene
Concen: 0.349 ng/ul
RT: 15.550 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM041130.D
Acq: 26 Jul 2023 11:43

Instrument :
BNA_M
ClientSampleId :
A4701MSD

Tgt Ion:166 Resp: 6430

Ion	Ratio	Lower	Upper
166	100		
165	99.0	79.4	119.0
167	14.5	11.4	17.2

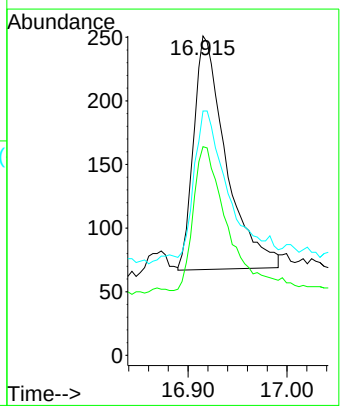


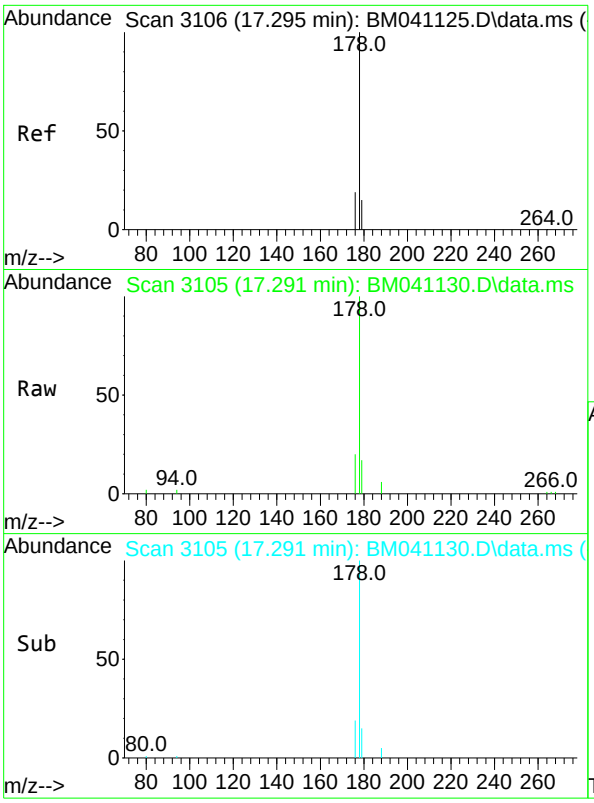


#14
Pentachlorophenol
Concen: 0.142 ng/ul
RT: 16.915 min Scan# 3016
Delta R.T. 0.000 min
Lab File: BM041130.D
Acq: 26 Jul 2023 11:43

Tgt Ion:266 Resp: 418

Ion	Ratio	Lower	Upper
266	100		
264	63.6	49.2	73.8
268	65.3	49.9	74.9



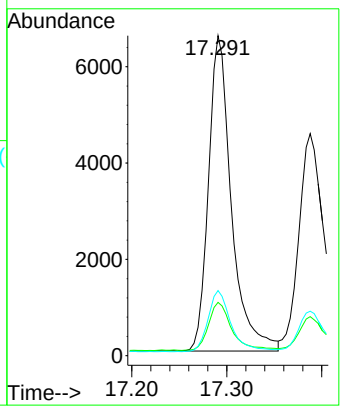


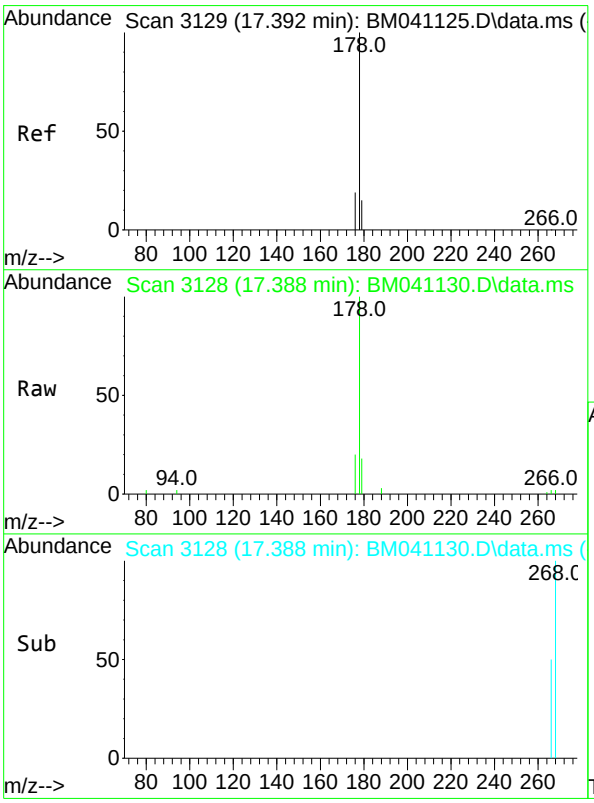
#15
Phenanthrene
Concen: 0.354 ng/ul
RT: 17.291 min Scan# 3
Delta R.T. -0.004 min
Lab File: BM041130.D
Acq: 26 Jul 2023 11:43

Instrument :
BNA_M
ClientSampleId :
A4701MSD

Tgt Ion:178 Resp: 11006

Ion	Ratio	Lower	Upper
178	100		
179	16.7	13.4	20.2
176	20.4	16.0	24.0

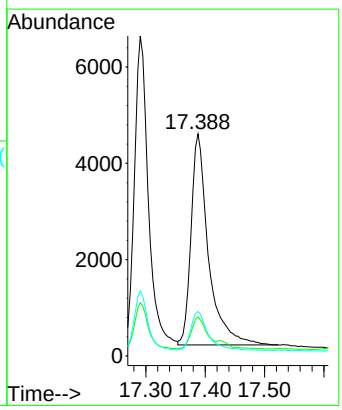


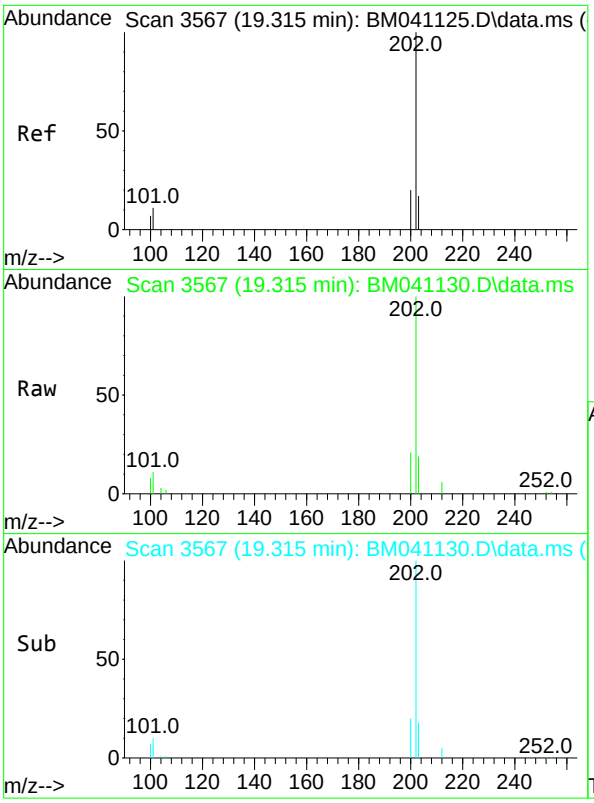


#16
Anthracene
Concen: 0.354 ng/ul
RT: 17.388 min Scan# 3128
Delta R.T. -0.004 min
Lab File: BM041130.D
Acq: 26 Jul 2023 11:43

Tgt Ion:178 Resp: 8908

Ion	Ratio	Lower	Upper
178	100		
179	17.6	13.6	20.4
176	20.1	16.0	24.0



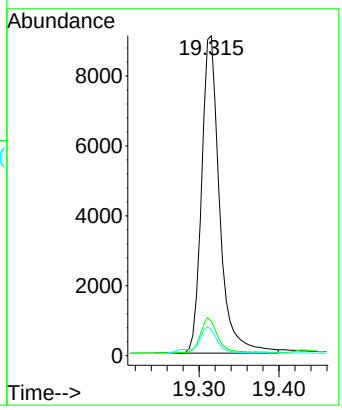


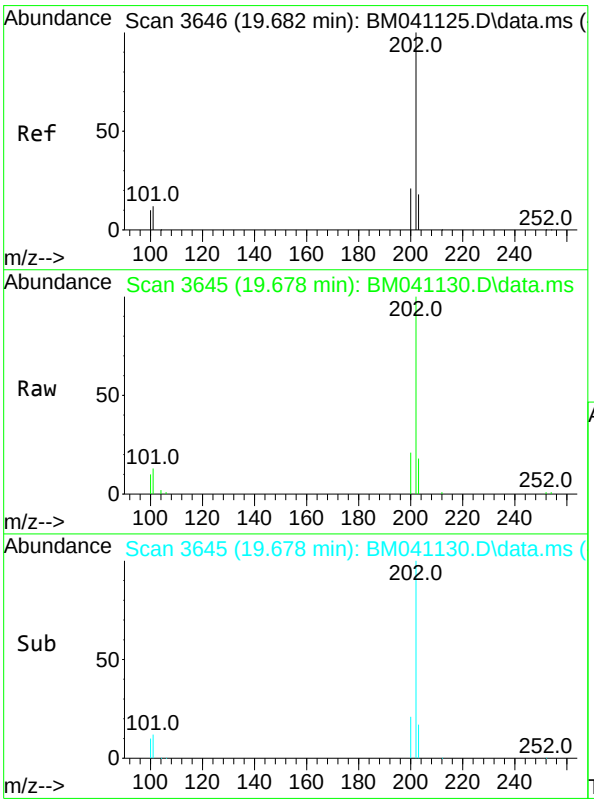
#19
Fluoranthene
Concen: 0.424 ng/ul
RT: 19.315 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM041130.D
Acq: 26 Jul 2023 11:43

Instrument :
BNA_M
ClientSampleId :
A4701MSD

Tgt Ion:202 Resp: 14241

Ion	Ratio	Lower	Upper
202	100		
101	10.7	9.4	14.0
100	8.1	7.1	10.7

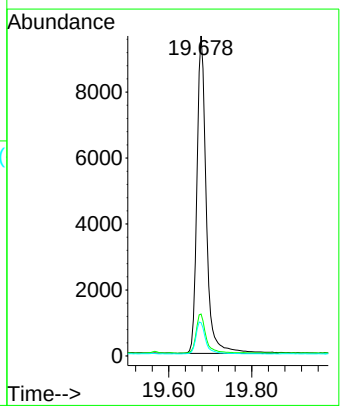


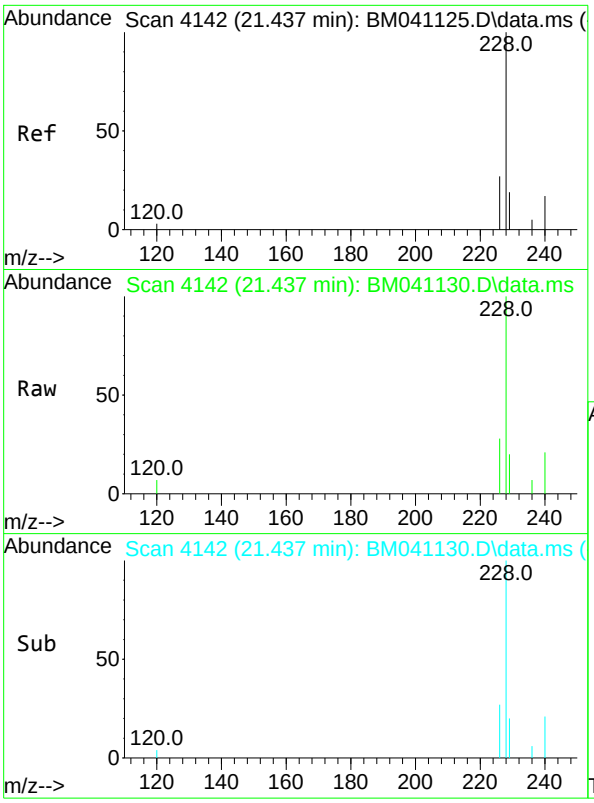


#20
Pyrene
Concen: 0.408 ng/ul
RT: 19.678 min Scan# 3645
Delta R.T. -0.005 min
Lab File: BM041130.D
Acq: 26 Jul 2023 11:43

Tgt Ion:202 Resp: 15133

Ion	Ratio	Lower	Upper
202	100		
101	13.1	10.7	16.1
100	10.4	8.5	12.7



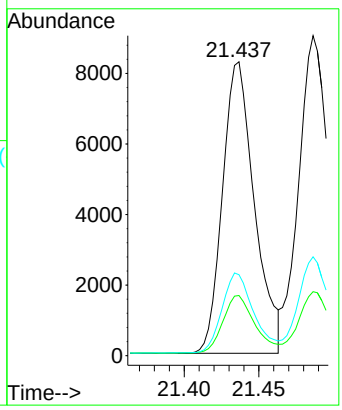


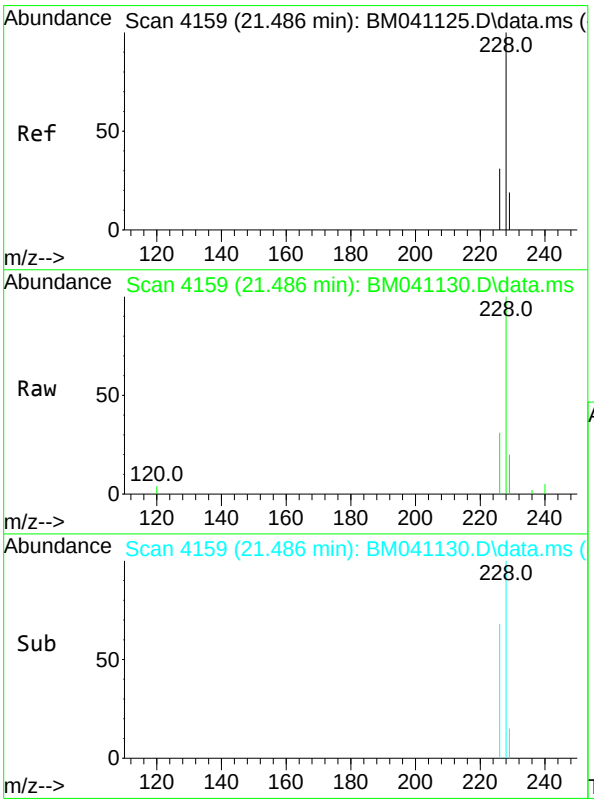
#21
Benzo(a)anthracene
Concen: 0.393 ng/ul
RT: 21.437 min Scan# 4
Delta R.T. 0.003 min
Lab File: BM041130.D
Acq: 26 Jul 2023 11:43

Instrument :
BNA_M
ClientSampleId :
A4701MSD

Tgt Ion:228 Resp: 12323

Ion	Ratio	Lower	Upper
228	100		
229	20.5	16.5	24.7
226	27.6	22.2	33.2

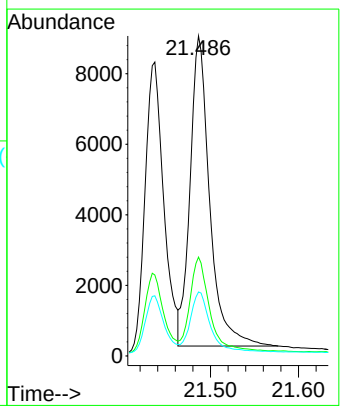


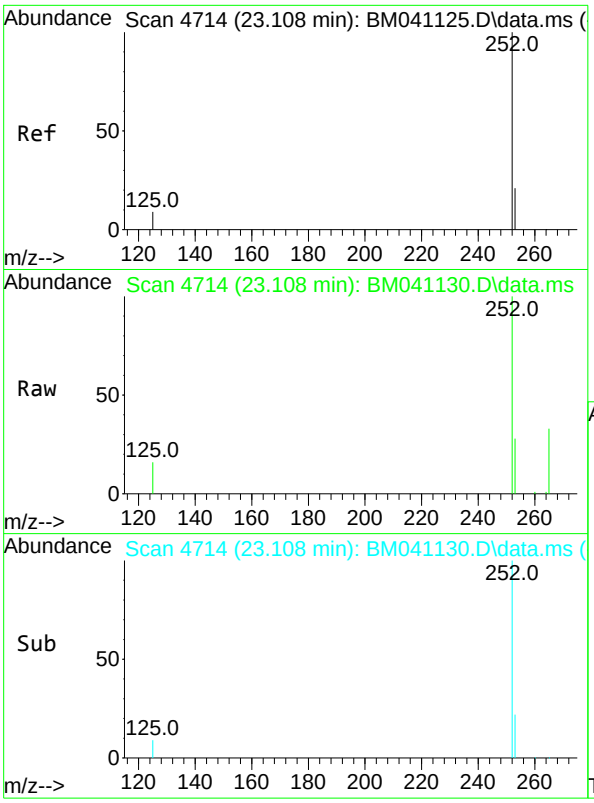


#22
Chrysene
Concen: 0.376 ng/ul
RT: 21.486 min Scan# 4159
Delta R.T. 0.000 min
Lab File: BM041130.D
Acq: 26 Jul 2023 11:43

Tgt Ion:228 Resp: 13621

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.2	36.4
229	20.0	15.9	23.9



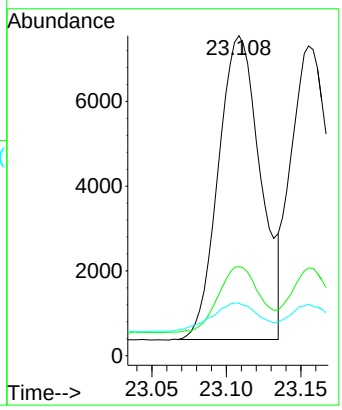


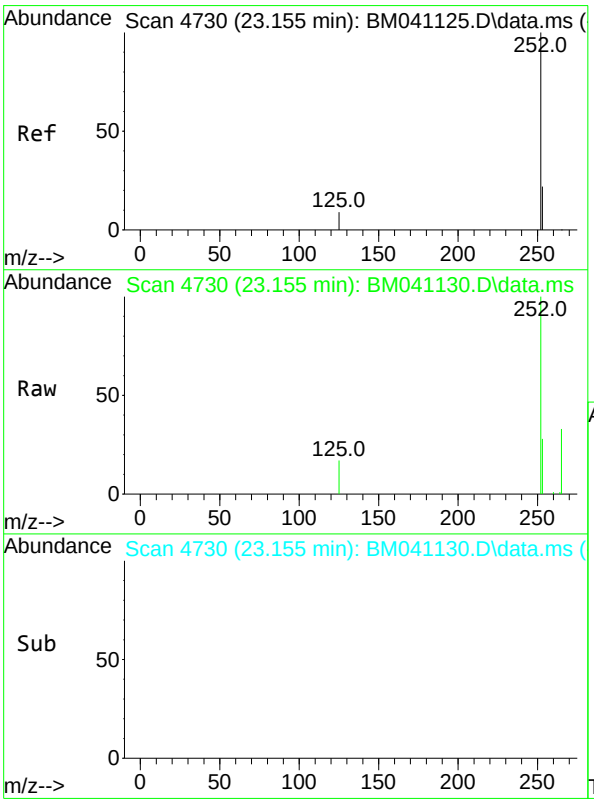
#24
Benzo(b)fluoranthene
Concen: 0.383 ng/ul
RT: 23.108 min Scan# 4
Delta R.T. 0.003 min
Lab File: BM041130.D
Acq: 26 Jul 2023 11:43

Instrument :
BNA_M
ClientSampleId :
A4701MSD

Tgt Ion:252 Resp: 14119

Ion	Ratio	Lower	Upper
252	100		
253	27.9	0.0	57.6
125	16.4	0.0	33.6

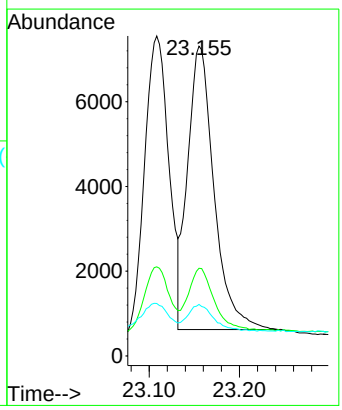


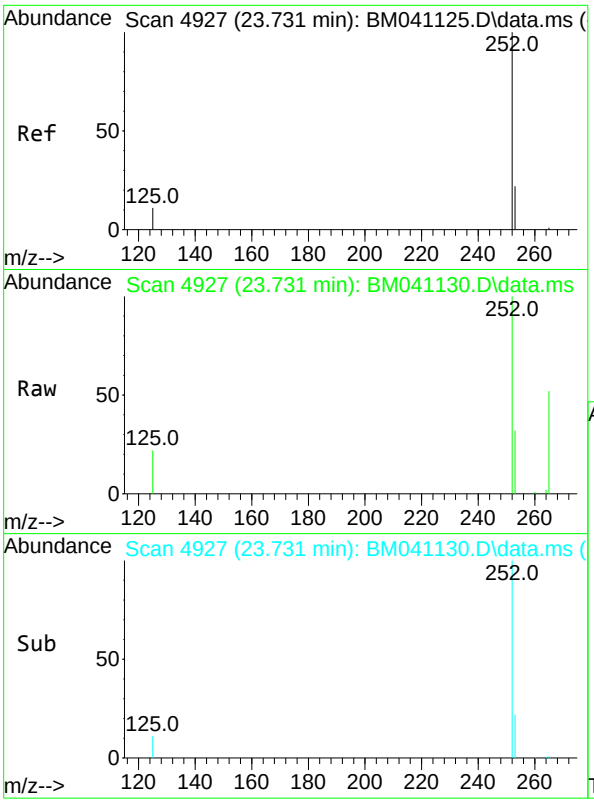


#25
Benzo(k)fluoranthene
Concen: 0.387 ng/ul
RT: 23.155 min Scan# 4730
Delta R.T. 0.000 min
Lab File: BM041130.D
Acq: 26 Jul 2023 11:43

Tgt Ion:252 Resp: 13618

Ion	Ratio	Lower	Upper
252	100		
253	28.3	22.8	34.2
125	16.6	13.5	20.3



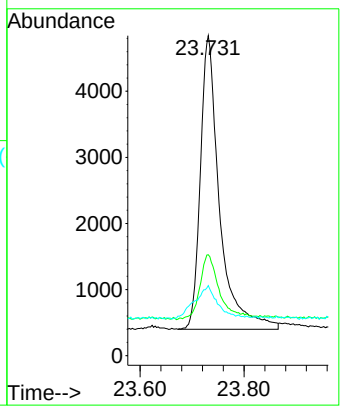


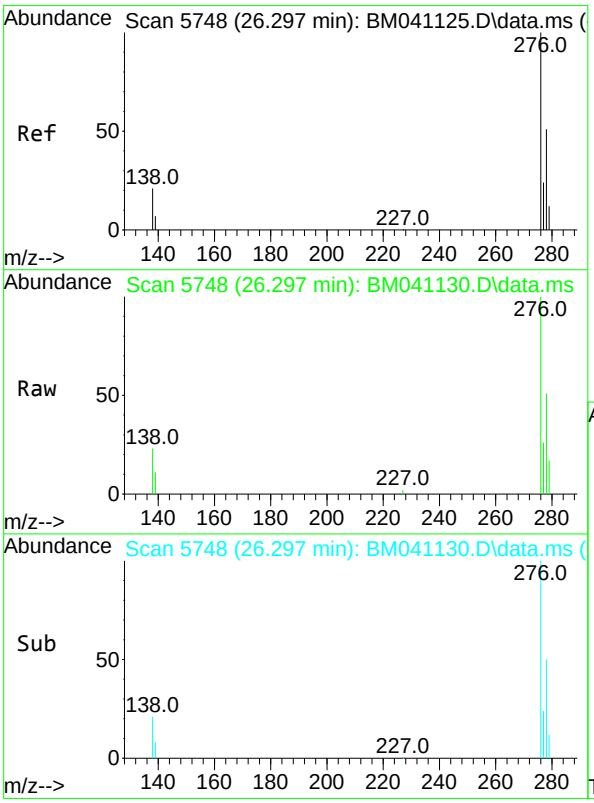
#26
Benzo(a)pyrene
Concen: 0.380 ng/ul
RT: 23.731 min Scan# 4
Delta R.T. 0.003 min
Lab File: BM041130.D
Acq: 26 Jul 2023 11:43

Instrument :
BNA_M
ClientSampleId :
A4701MSD

Tgt Ion:252 Resp: 11349

Ion	Ratio	Lower	Upper
252	100		
253	31.6	26.7	40.1
125	21.9	18.1	27.1

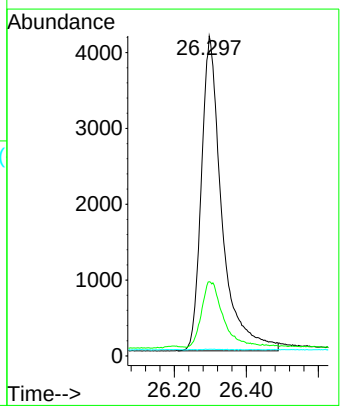


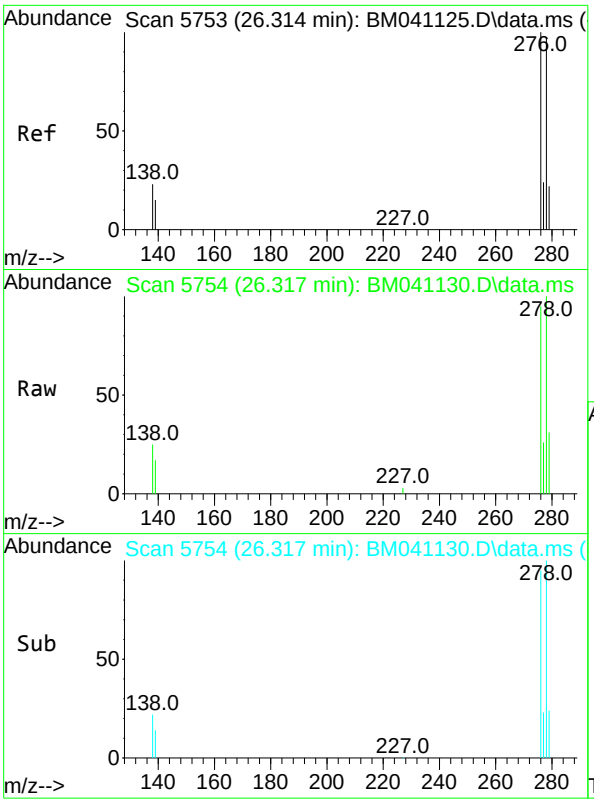


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.371 ng/ul
RT: 26.297 min Scan# 5748
Delta R.T. 0.000 min
Lab File: BM041130.D
Acq: 26 Jul 2023 11:43

Tgt Ion:276 Resp: 16408

Ion	Ratio	Lower	Upper
276	100		
138	22.6	18.1	27.1
227	0.0	0.2	0.2#



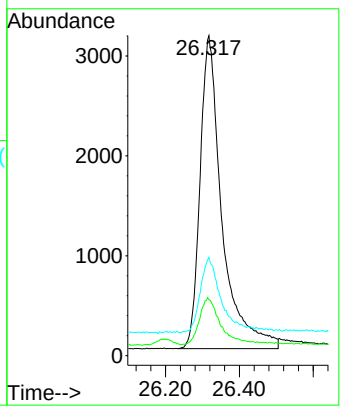


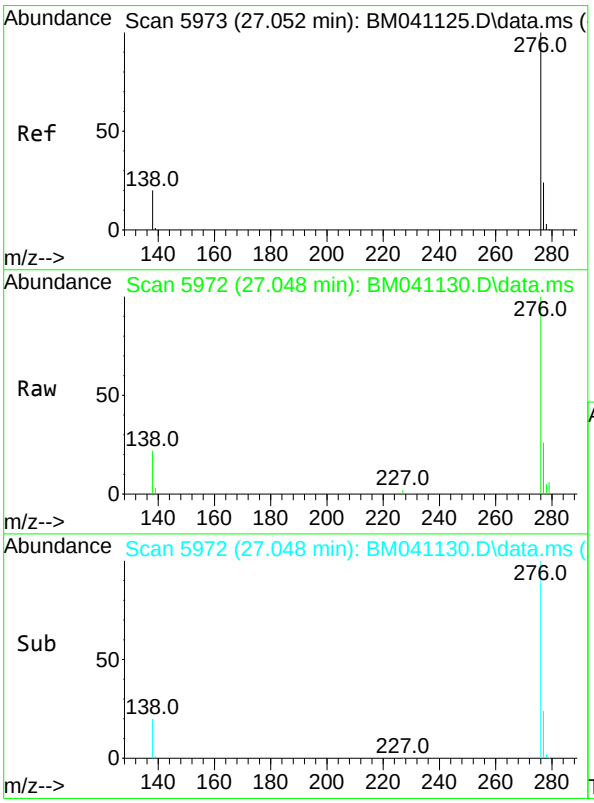
#28
Dibenzo(a,h)anthracene
Concen: 0.372 ng/ul
RT: 26.317 min Scan# 5
Delta R.T. 0.000 min
Lab File: BM041130.D
Acq: 26 Jul 2023 11:43

Instrument :
BNA_M
ClientSampleId :
A4701MSD

Tgt Ion:278 Resp: 12911

Ion	Ratio	Lower	Upper
278	100		
139	17.5	14.1	21.1
279	30.7	25.0	37.4





#29
Benzo(g,h,i)perylene
Concen: 0.368 ng/ul
RT: 27.048 min Scan# 5972
Delta R.T. -0.003 min
Lab File: BM041130.D
Acq: 26 Jul 2023 11:43

Tgt Ion:276 Resp: 14526

Ion	Ratio	Lower	Upper
276	100		
138	22.2	18.2	27.2
277	25.9	20.6	30.8