Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082423\
Data File : BM041486.D
Acq On : 25 Aug 2023 04:22
Operator : MA/JU
Sample : PB155029BS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SLCS029

Quant Time: Aug 25 05:01:51 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM082423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 24 18:34:12 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.114	152	12478	0.400	ng/ul	0.00
4) Naphthalene-d8	10.944	136	33258	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.754	164	15551	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.506	188	30865	0.400	ng/ul	0.00
17) Chrysene-d12	21.697	240	9427	0.400	ng/ul	0.00
23) Perylene-d12	24.266	264	7995	0.400	ng/ul	#-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.448	96	9404	0.595	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.522	152	14050	0.320	ng/ul	0.00
18) Fluoranthene-d10	19.529	212	16223	0.390	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.486	88	22925	1.411	ng/ul#	91
5) Naphthalene	10.994	128	29345	0.296	ng/ul	100
7) 2-Methylnaphthalene	12.594	142	17590	0.295	ng/ul	100
8) 1-Methylnaphthalene	12.814	142	18804	0.311	ng/ul	100
10) Acenaphthylene	14.481	152	26970	0.289	ng/ul	100
11) Acenaphthene	14.819	153	19703	0.303	ng/ul	99
12) Fluorene	15.804	166	22087	0.304	ng/ul	98
14) Pentachlorophenol	17.126	266	4000	0.687	ng/ul	97
15) Phenanthrene	17.548	178	35269	0.311	ng/ul	99
16) Anthracene	17.641	178	30157	0.292	ng/ul	99
19) Fluoranthene	19.562	202	34816	0.402	ng/ul	99
20) Pyrene	19.924	202	34810	0.399	ng/ul	97
21) Benzo(a)anthracene	21.679	228	21432	0.349	ng/ul	98
22) Chrysene	21.737	228	23836	0.360	ng/ul	100
24) Benzo(b)fluoranthene	23.471	252	20440	0.373	ng/ul	98
25) Benzo(k)fluoranthene	23.524	252	19997	0.365	ng/ul	98
26) Benzo(a)pyrene	24.152	252	16964	0.377	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	26.985	276	19154	0.341	ng/ul#	97
28) Dibenzo(a,h)anthracene	27.021	278	13740	0.319	ng/ul	98
29) Benzo(g,h,i)perylene	27.826	276	16433	0.332	ng/ul	99

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

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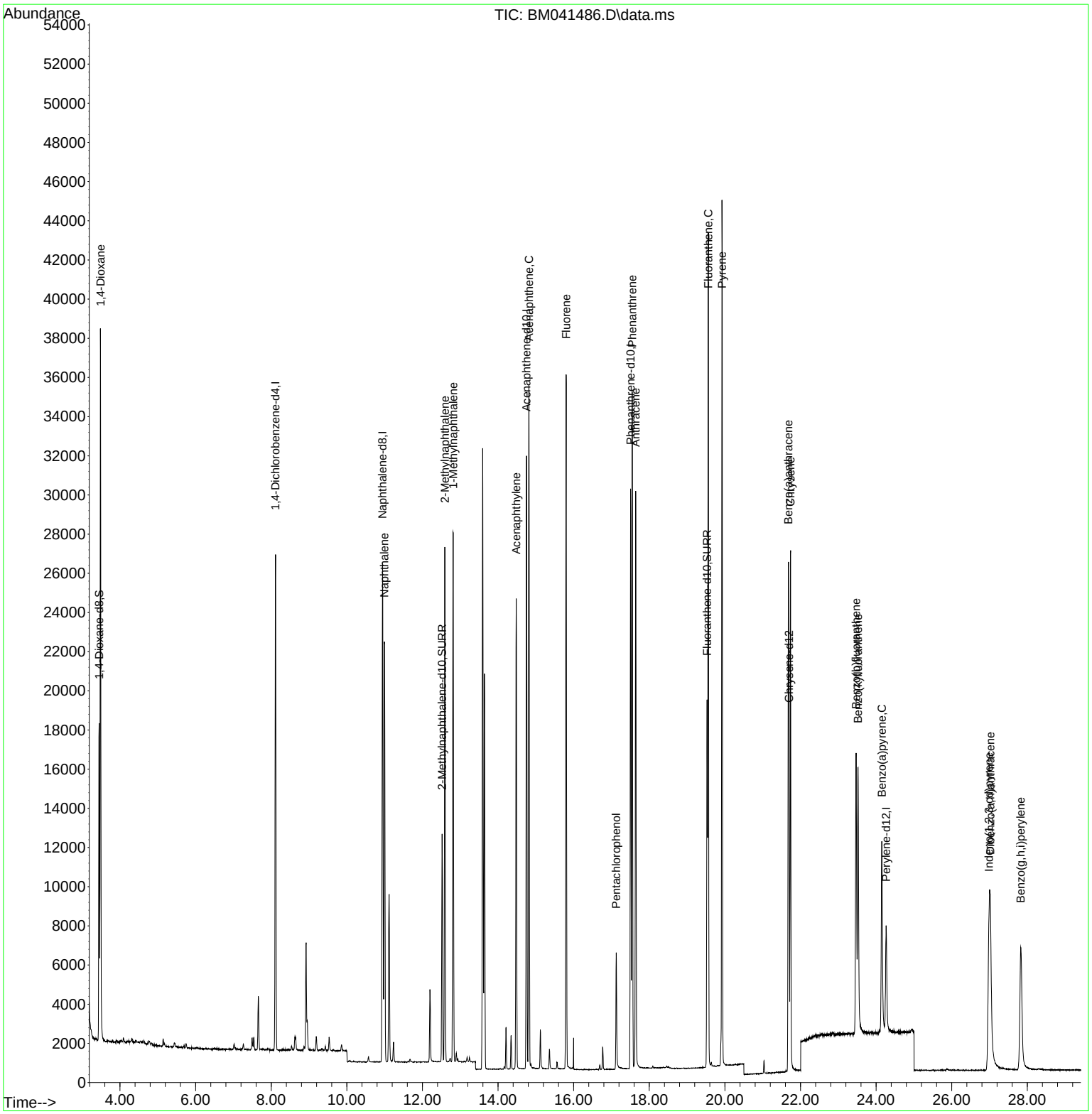
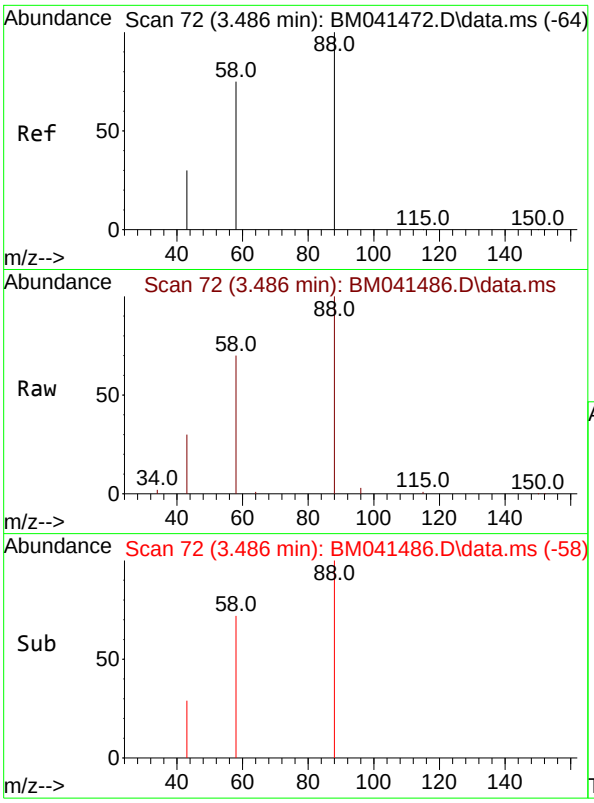


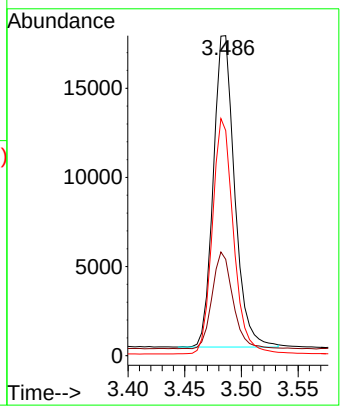


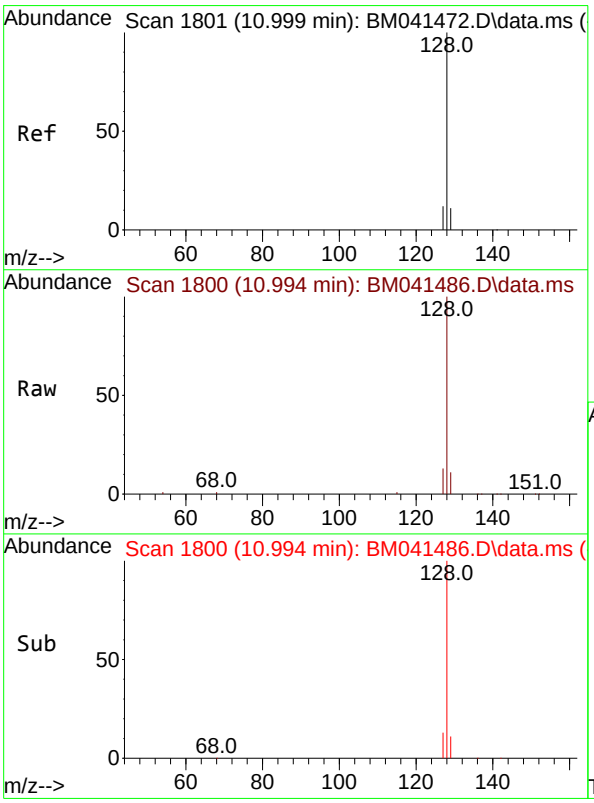
#2
1,4-Dioxane
Concen: 1.411 ng/ul
RT: 3.486 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM041486.D
Acq: 25 Aug 2023 04:22

Instrument :
BNA_M
ClientSampleId :
SLCS029

Tgt Ion: 88 Resp: 22925

Ion	Ratio	Lower	Upper
88	100		
43	30.1	35.4	53.2#
58	70.3	57.3	85.9

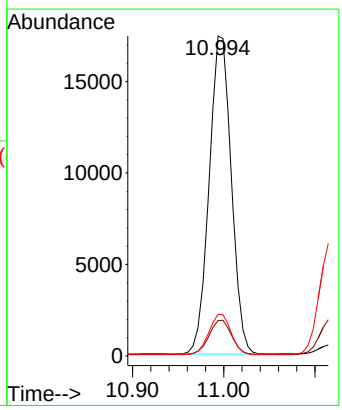


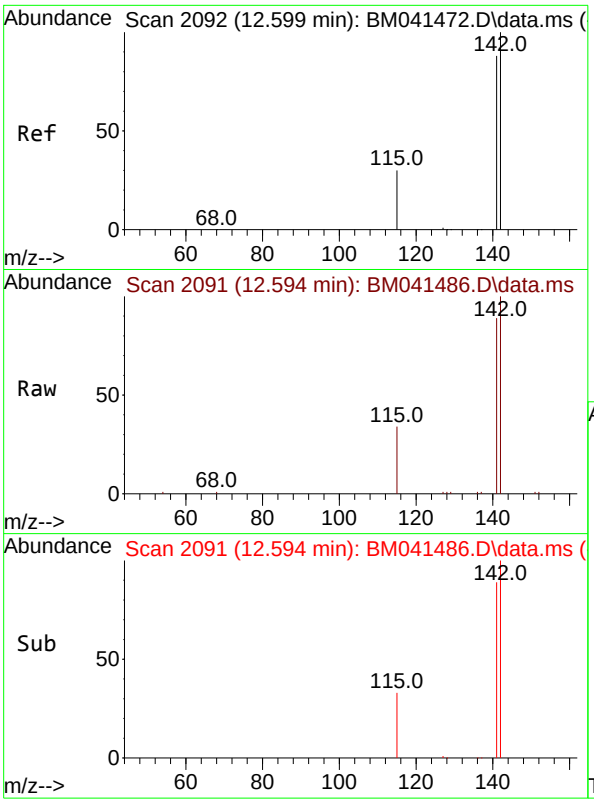


#5
Naphthalene
Concen: 0.296 ng/ul
RT: 10.994 min Scan# 1800
Delta R.T. -0.005 min
Lab File: BM041486.D
Acq: 25 Aug 2023 04:22

Tgt Ion:128 Resp: 29345

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.0	10.6	15.8



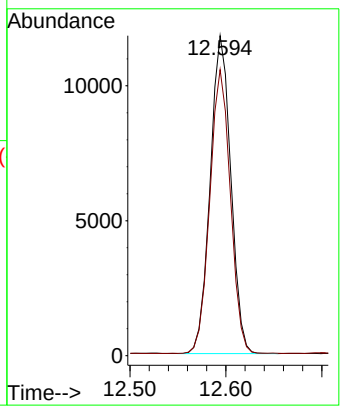


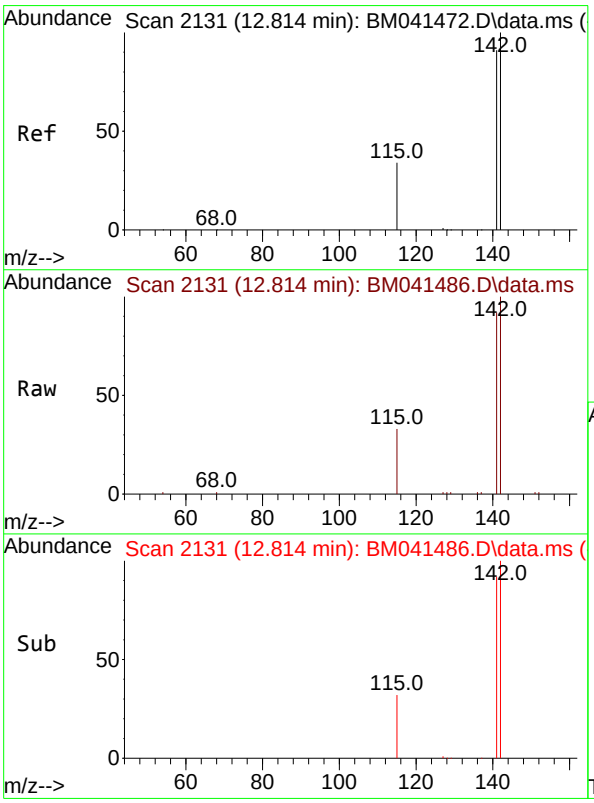
#7
2-Methylnaphthalene
Concen: 0.295 ng/ul
RT: 12.594 min Scan# 2
Delta R.T. -0.005 min
Lab File: BM041486.D
Acq: 25 Aug 2023 04:22

Instrument :
BNA_M
ClientSampleId :
SLCS029

Tgt Ion:142 Resp: 17590

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.1	106.7

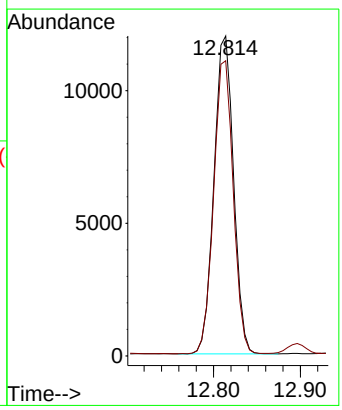


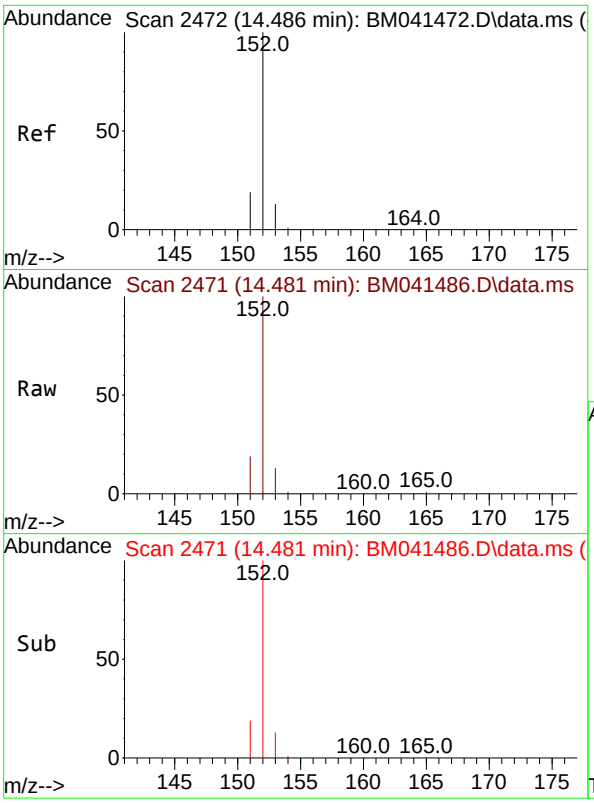


#8
1-Methylnaphthalene
Concen: 0.311 ng/ul
RT: 12.814 min Scan# 2131
Delta R.T. -0.005 min
Lab File: BM041486.D
Acq: 25 Aug 2023 04:22

Tgt Ion:142 Resp: 18804

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.4	110.2



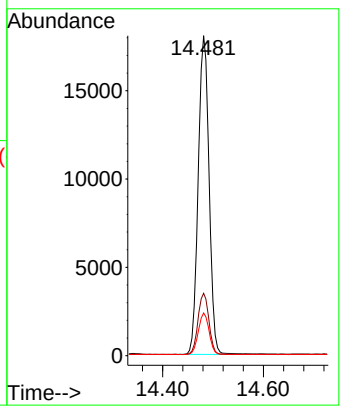


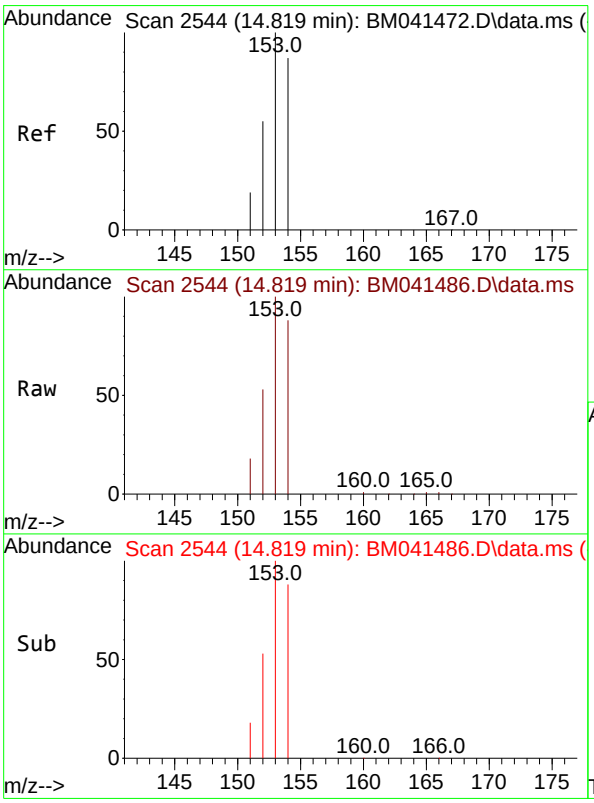
#10
Acenaphthylene
Concen: 0.289 ng/ul
RT: 14.481 min Scan# 24
Delta R.T. -0.005 min
Lab File: BM041486.D
Acq: 25 Aug 2023 04:22

Instrument :
BNA_M
ClientSampleId :
SLCS029

Tgt Ion:152 Resp: 26970

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.6
153	13.3	10.6	15.8

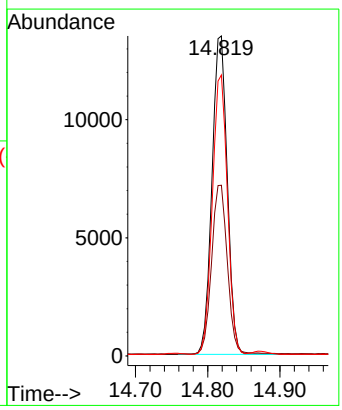


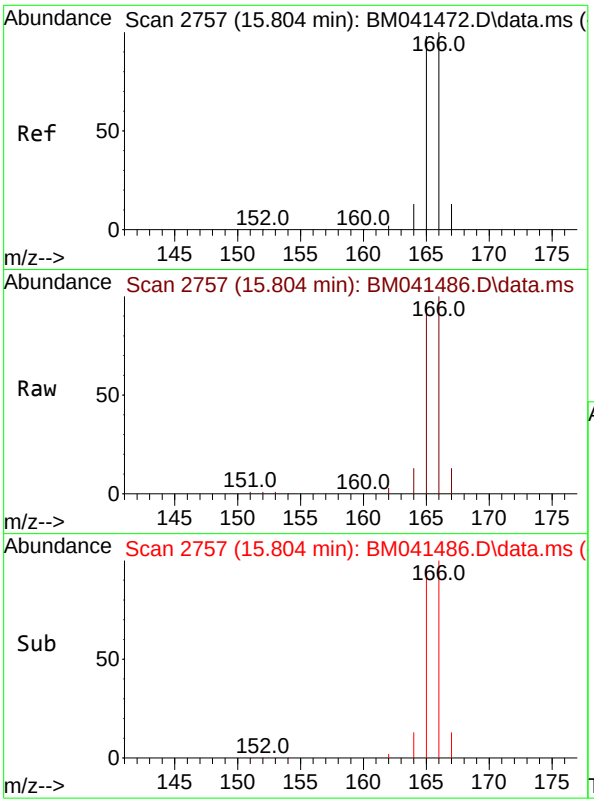


#11
Acenaphthene
Concen: 0.303 ng/ul
RT: 14.819 min Scan# 2544
Delta R.T. 0.000 min
Lab File: BM041486.D
Acq: 25 Aug 2023 04:22

Tgt Ion:153 Resp: 19703

Ion	Ratio	Lower	Upper
153	100		
152	53.4	42.9	64.3
154	87.8	68.9	103.3



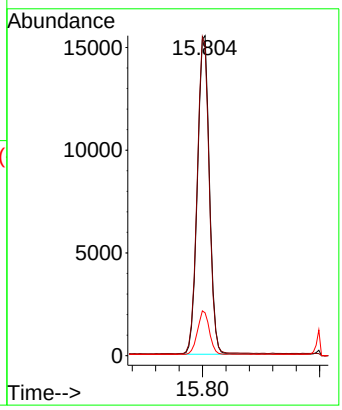


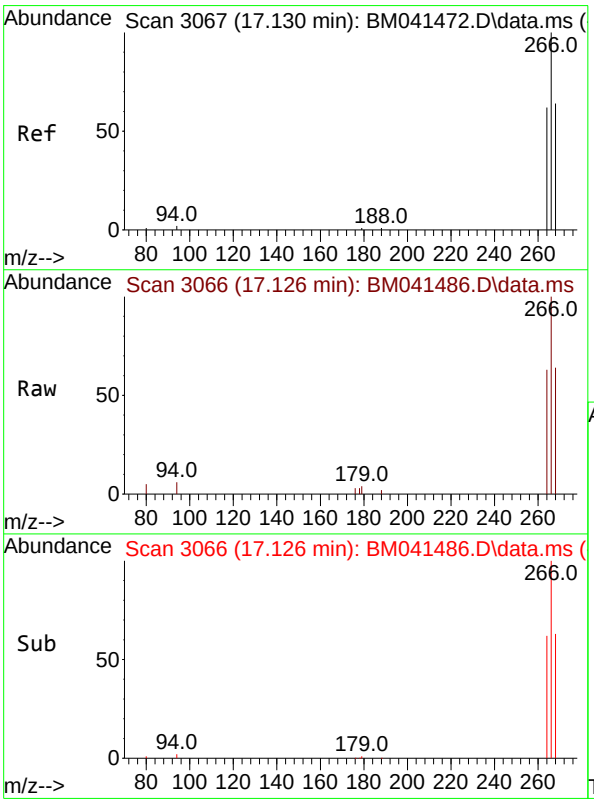
#12
Fluorene
Concen: 0.304 ng/ul
RT: 15.804 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM041486.D
Acq: 25 Aug 2023 04:22

Instrument :
BNA_M
ClientSampleId :
SLCS029

Tgt Ion:166 Resp: 22087

Ion	Ratio	Lower	Upper
166	100		
165	97.0	79.4	119.2
167	13.4	11.0	16.6

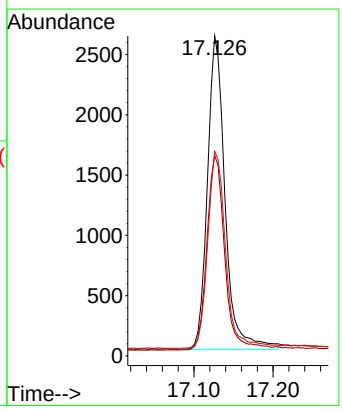


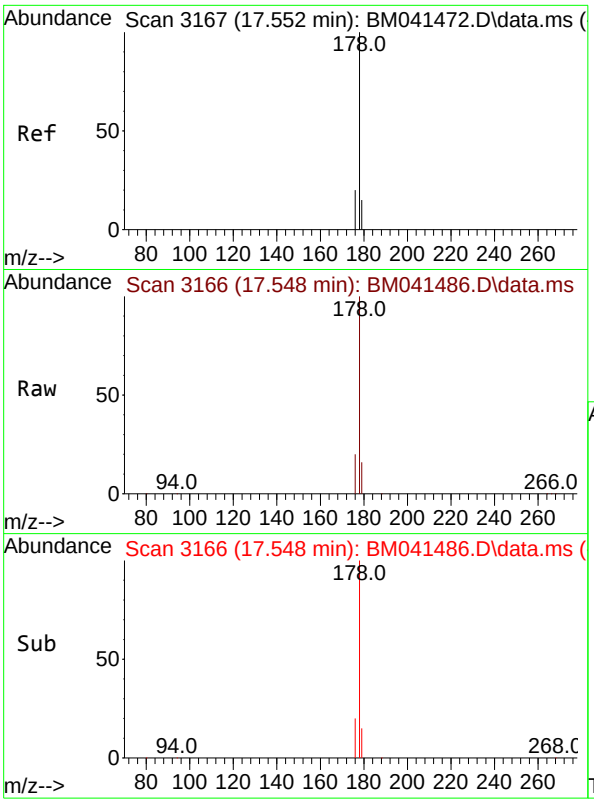


#14
Pentachlorophenol
Concen: 0.687 ng/ul
RT: 17.126 min Scan# 3066
Delta R.T. -0.004 min
Lab File: BM041486.D
Acq: 25 Aug 2023 04:22

Tgt Ion:266 Resp: 4000

Ion	Ratio	Lower	Upper
266	100		
264	63.1	50.1	75.1
268	64.3	48.6	73.0



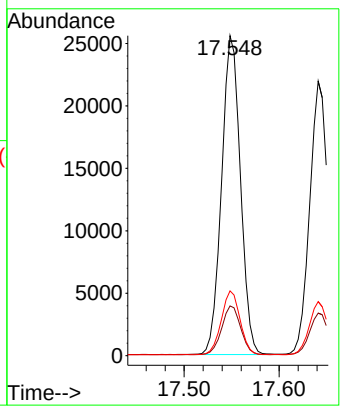


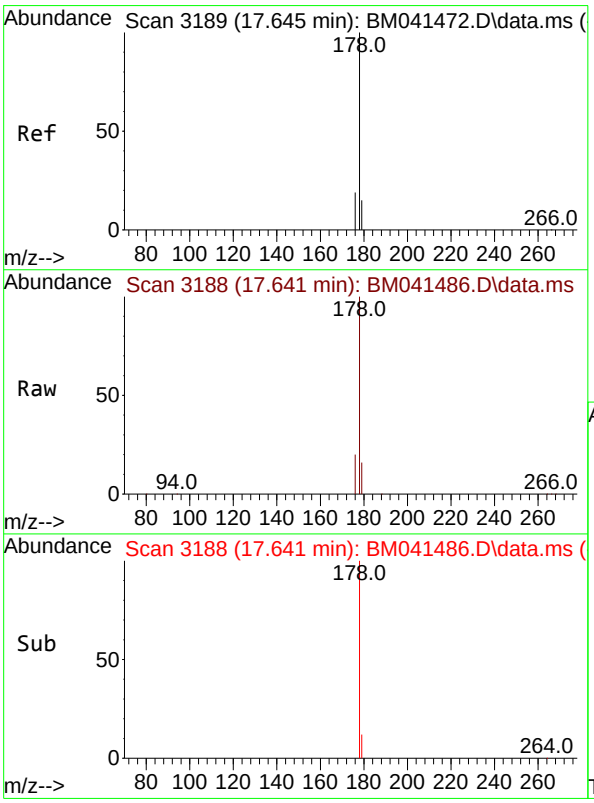
#15
Phenanthrene
Concen: 0.311 ng/ul
RT: 17.548 min Scan# 3
Delta R.T. -0.008 min
Lab File: BM041486.D
Acq: 25 Aug 2023 04:22

Instrument :
BNA_M
ClientSampleId :
SLCS029

Tgt Ion:178 Resp: 35269

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7
176	20.2	15.8	23.8

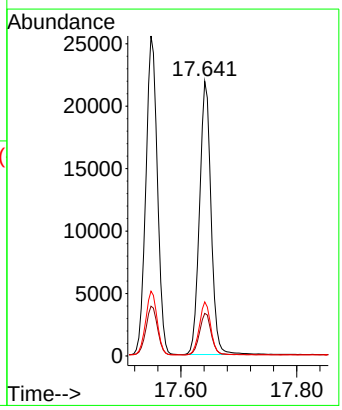


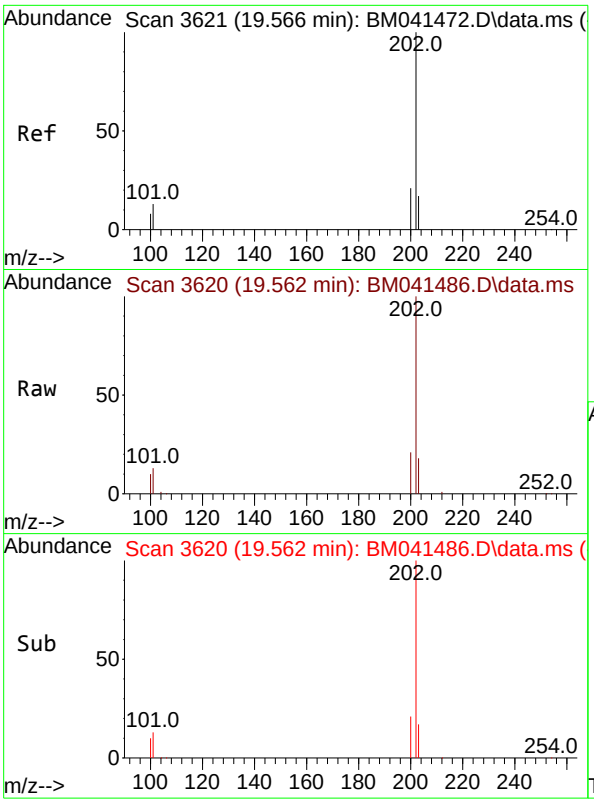


#16
Anthracene
Concen: 0.292 ng/ul
RT: 17.641 min Scan# 3188
Delta R.T. -0.004 min
Lab File: BM041486.D
Acq: 25 Aug 2023 04:22

Tgt Ion:178 Resp: 30157

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	18.8
176	19.7	15.5	23.3



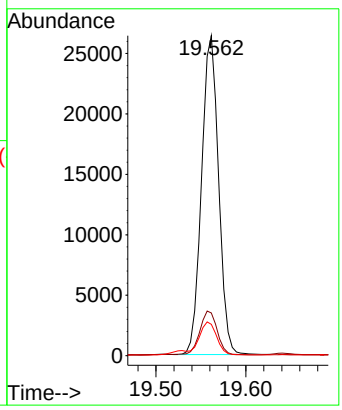


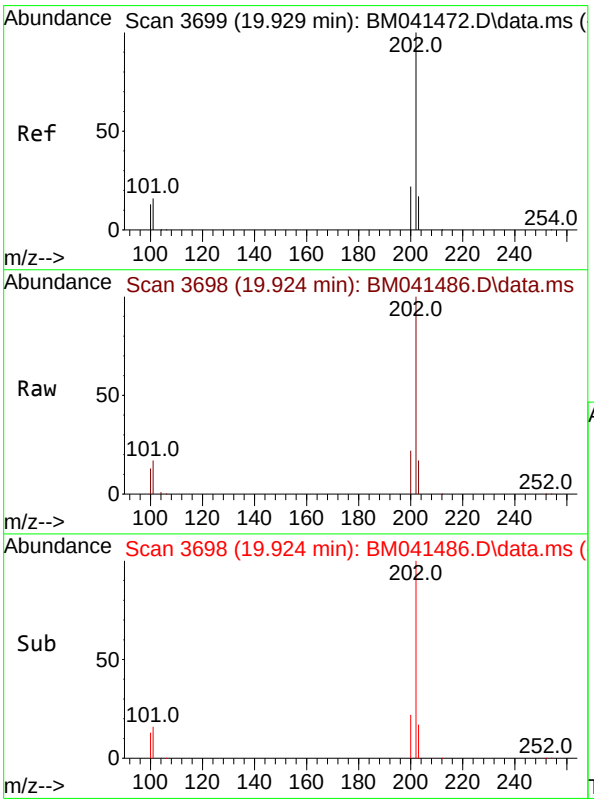
#19
Fluoranthene
Concen: 0.402 ng/ul
RT: 19.562 min Scan# 3
Delta R.T. -0.005 min
Lab File: BM041486.D
Acq: 25 Aug 2023 04:22

Instrument :
BNA_M
ClientSampleId :
SLCS029

Tgt Ion:202 Resp: 34816

Ion	Ratio	Lower	Upper
202	100		
101	13.3	11.0	16.6
100	9.8	7.9	11.9

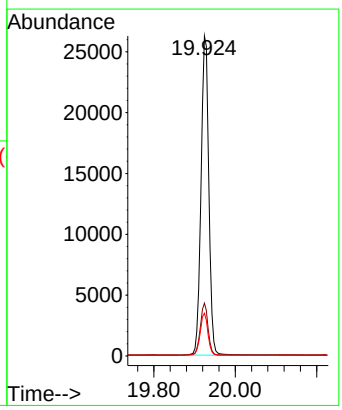


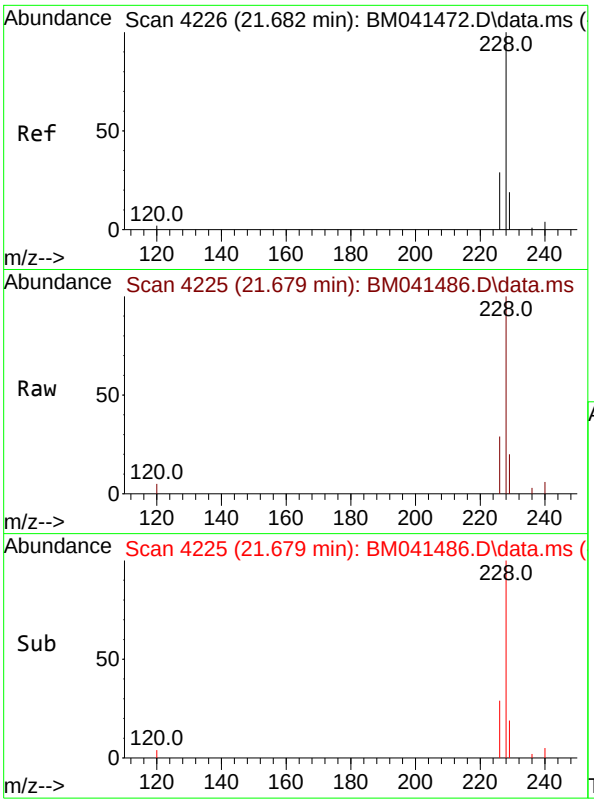


#20
Pyrene
Concen: 0.399 ng/ul
RT: 19.924 min Scan# 3698
Delta R.T. -0.009 min
Lab File: BM041486.D
Acq: 25 Aug 2023 04:22

Tgt Ion:202 Resp: 34810

Ion	Ratio	Lower	Upper
202	100		
101	16.5	12.2	18.2
100	13.4	9.8	14.8



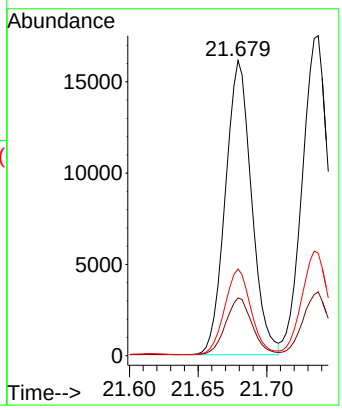


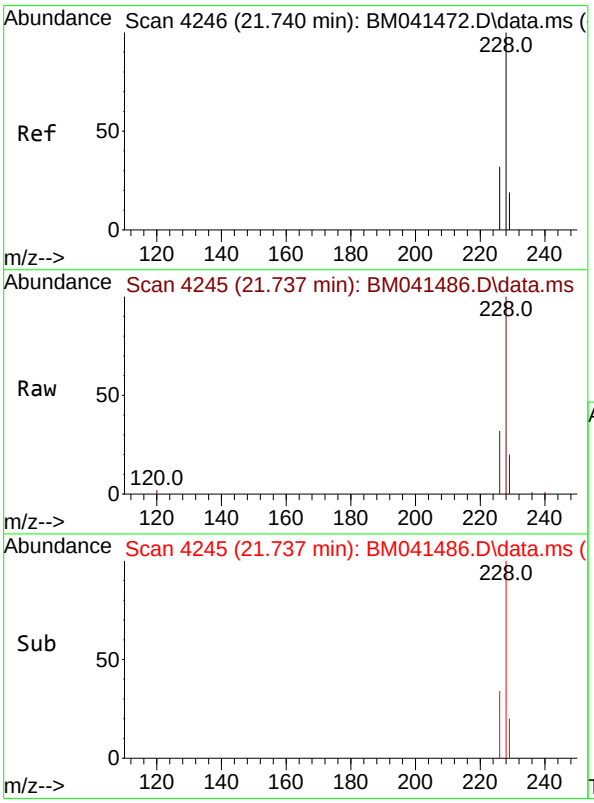
#21
Benzo(a)anthracene
Concen: 0.349 ng/ul
RT: 21.679 min Scan# 4
Delta R.T. -0.009 min
Lab File: BM041486.D
Acq: 25 Aug 2023 04:22

Instrument :
BNA_M
ClientSampleId :
SLCS029

Tgt Ion:228 Resp: 21432

Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.3	22.9
226	29.4	22.7	34.1

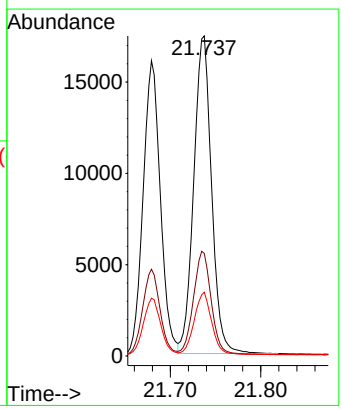


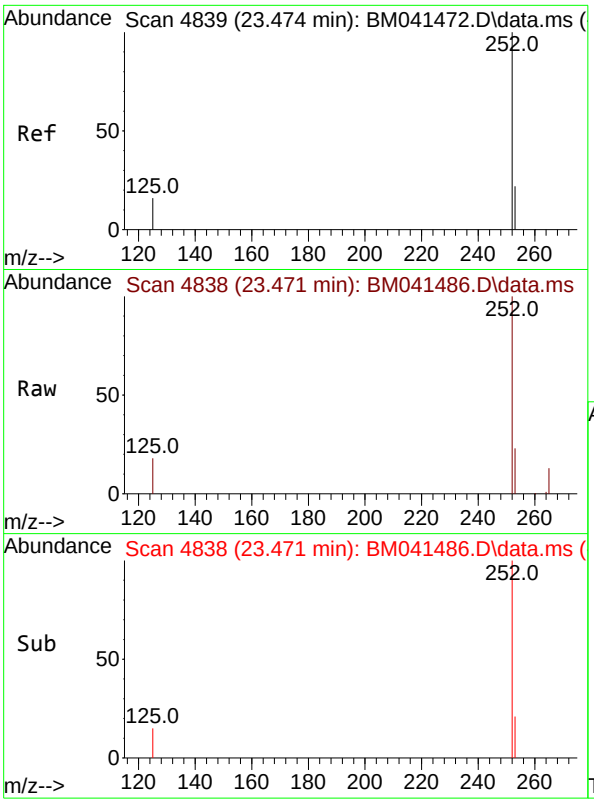


#22
Chrysene
Concen: 0.360 ng/ul
RT: 21.737 min Scan# 4245
Delta R.T. -0.006 min
Lab File: BM041486.D
Acq: 25 Aug 2023 04:22

Tgt Ion:228 Resp: 23836

Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.6	38.4
229	19.9	15.7	23.5



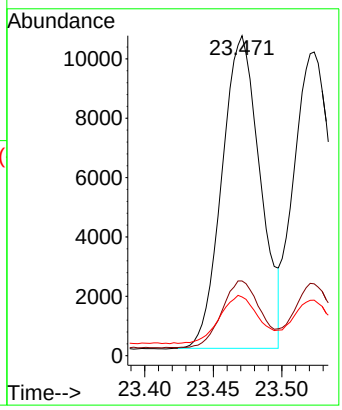


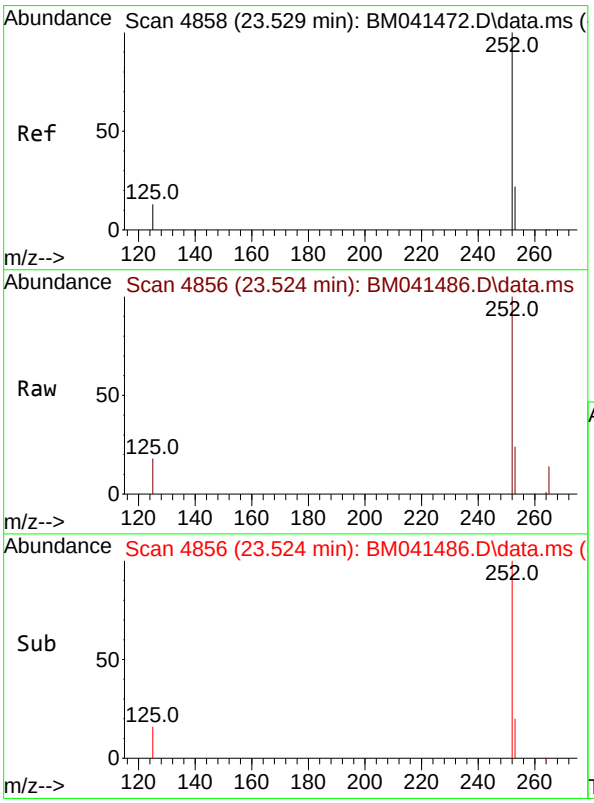
#24
Benzo(b)fluoranthene
Concen: 0.373 ng/ul
RT: 23.471 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM041486.D
Acq: 25 Aug 2023 04:22

Instrument :
BNA_M
ClientSampleId :
SLCS029

Tgt Ion:252 Resp: 20440

Ion	Ratio	Lower	Upper
252	100		
253	23.3	0.0	46.8
125	18.3	0.0	32.8

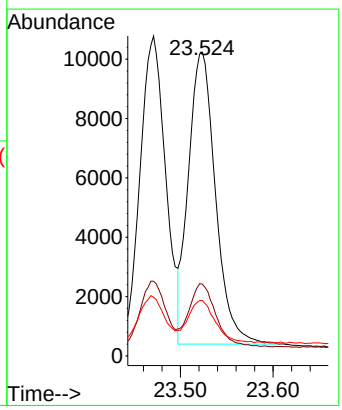


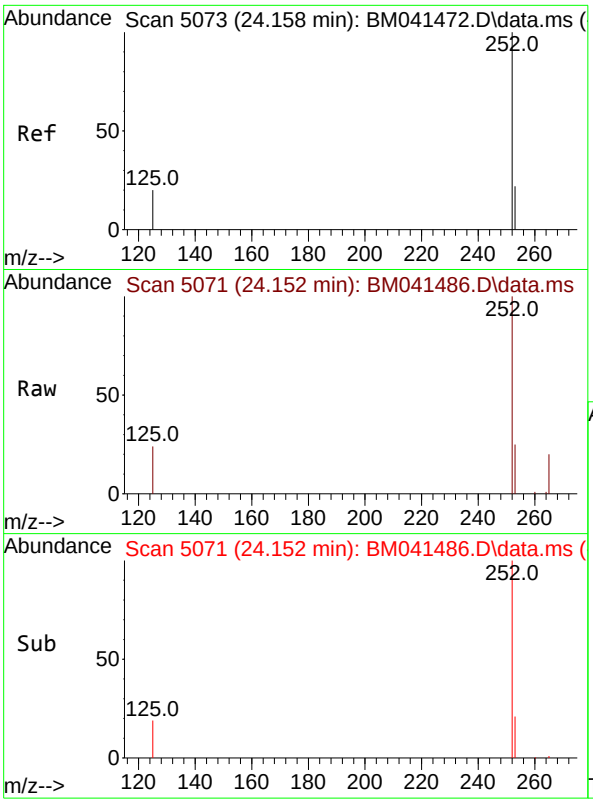


#25
Benzo(k)fluoranthene
Concen: 0.365 ng/ul
RT: 23.524 min Scan# 4856
Delta R.T. -0.012 min
Lab File: BM041486.D
Acq: 25 Aug 2023 04:22

Tgt Ion:252 Resp: 19997

Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.1	28.7
125	18.3	13.4	20.0



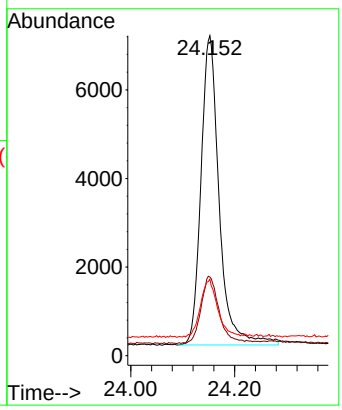


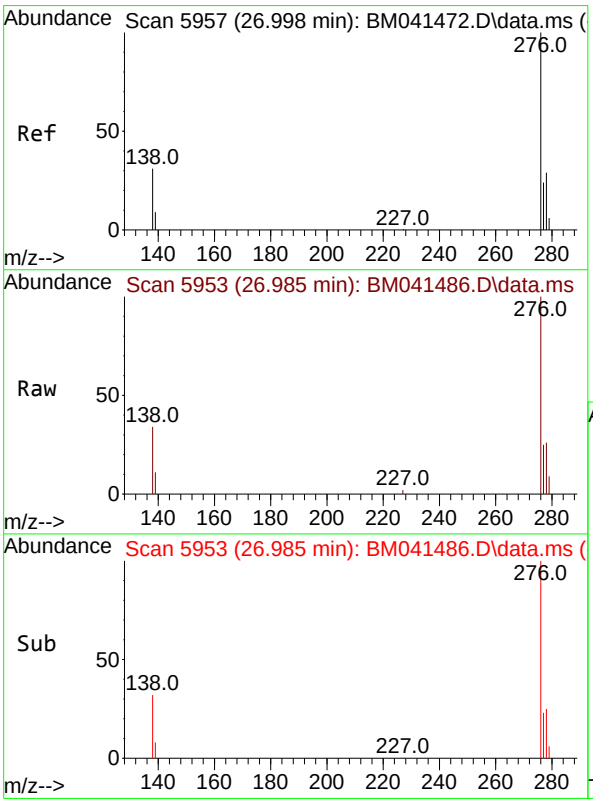
#26
Benzo(a)pyrene
Concen: 0.377 ng/ul
RT: 24.152 min Scan# 5
Delta R.T. -0.012 min
Lab File: BM041486.D
Acq: 25 Aug 2023 04:22

Instrument :
BNA_M
ClientSampleId :
SLCS029

Tgt Ion:252 Resp: 16964

Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.5	29.3
125	23.9	16.0	24.0

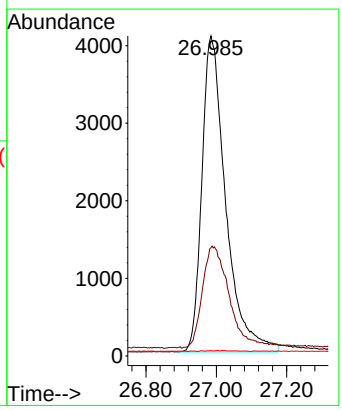


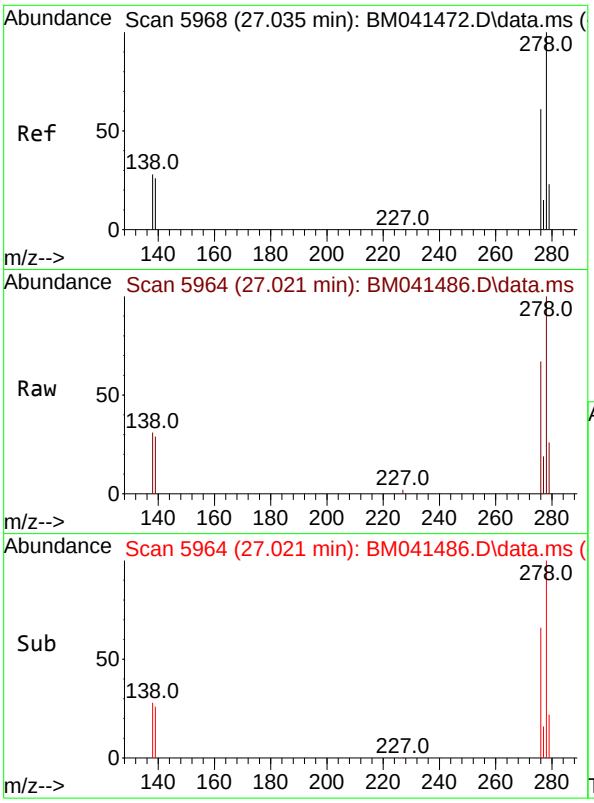


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.341 ng/ul
RT: 26.985 min Scan# 5953
Delta R.T. -0.020 min
Lab File: BM041486.D
Acq: 25 Aug 2023 04:22

Tgt Ion:276 Resp: 19154

Ion	Ratio	Lower	Upper
276	100		
138	36.2	27.8	41.6
227	0.0	0.0	0.0#



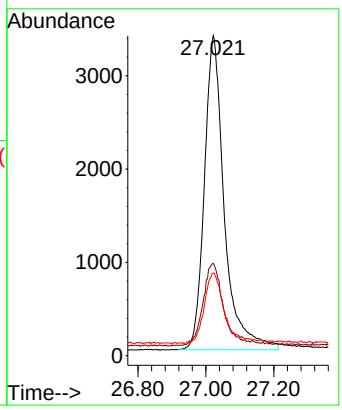


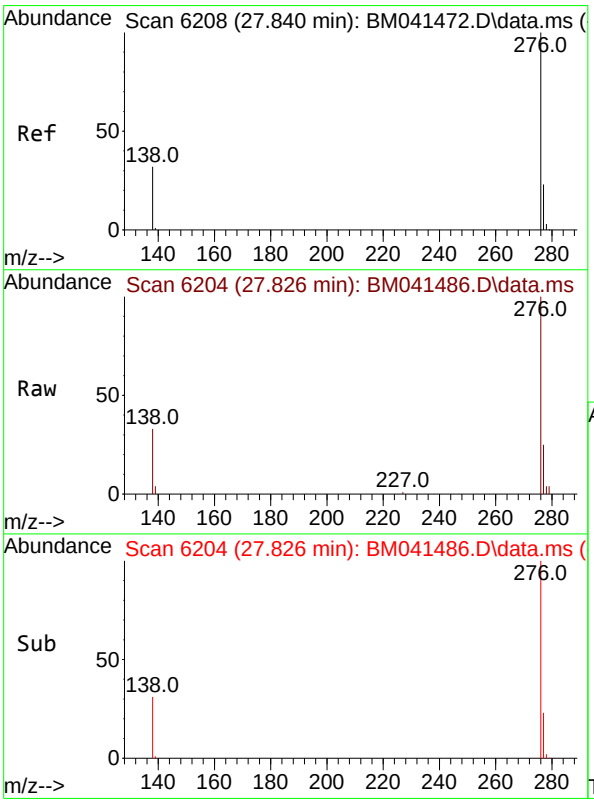
#28
Dibenzo(a,h)anthracene
Concen: 0.319 ng/ul
RT: 27.021 min Scan# 5
Delta R.T. -0.023 min
Lab File: BM041486.D
Acq: 25 Aug 2023 04:22

Instrument :
BNA_M
ClientSampleId :
SLCS029

Tgt Ion:278 Resp: 13740

Ion	Ratio	Lower	Upper
278	100		
139	28.8	21.9	32.9
279	25.8	21.4	32.0





#29
Benzo(g,h,i)perylene
Concen: 0.332 ng/ul
RT: 27.826 min Scan# 6204
Delta R.T. -0.027 min
Lab File: BM041486.D
Acq: 25 Aug 2023 04:22

Tgt Ion:276 Resp: 16433

Ion	Ratio	Lower	Upper
276	100		
138	32.9	25.9	38.9
277	24.9	19.4	29.2