Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121621\
Data File : BN018035.D
Acq On : 15 Dec 2021 21:32
Operator : CG/JU
Sample : M4995-12MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EW5Q3MSD

Quant Time: Dec 16 04:44:00 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN121621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 15 17:47:27 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.666	152	4106	0.400	ng/ul	0.00
4) Naphthalene-d8	10.459	136	12264	0.400	ng/ul	# 0.00
9) Acenaphthene-d10	14.308	164	8038	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.058	188	17518	0.400	ng/ul	0.00
17) Chrysene-d12	21.258	240	18024	0.400	ng/ul	# 0.00
23) Perylene-d12	23.528	264	16223	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.139	96	15262	3.581	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.059	152	6688	0.468	ng/ul	0.00
18) Fluoranthene-d10	19.091	212	27660	0.538	ng/ul	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.173	88	63537	12.692	ng/ul#	42
5) Naphthalene	10.508	128	13386	0.398	ng/ul	98
7) 2-Methylnaphthalene	12.130	142	8226	0.435	ng/ul	99
8) 1-Methylnaphthalene	12.345	142	8969	0.409	ng/ul	100
10) Acenaphthylene	14.026	152	13488	0.414	ng/ul	99
11) Acenaphthene	14.373	153	11712	0.405	ng/ul	98
12) Fluorene	15.363	166	13612	0.427	ng/ul	99
14) Pentachlorophenol	16.724	266	3610	1.177	ng/ul	99
15) Phenanthrene	17.100	178	26433	0.435	ng/ul	99
16) Anthracene	17.193	178	21409	0.448	ng/ul	99
19) Fluoranthene	19.124	202	35995	0.496	ng/ul	96
20) Pyrene	19.486	202	37950	0.467	ng/ul#	93
21) Benzo(a)anthracene	21.243	228	28181	0.526	ng/ul	99
22) Chrysene	21.293	228	35367	0.460	ng/ul	98
24) Benzo(b)fluoranthene	22.841	252	31111	0.480	ng/ul	85
25) Benzo(k)fluoranthene	22.888	252	37631	0.435	ng/ul#	83
26) Benzo(a)pyrene	23.429	252	28843	0.461	ng/ul#	81
27) Indeno(1,2,3-cd)pyrene	25.857	276	33649	0.477	ng/ul#	91
28) Dibenzo(a,h)anthracene	25.877	278	25171	0.488	ng/ul#	83
29) Benzo(g,h,i)perylene	26.564	276	28915	0.478	ng/ul#	87

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

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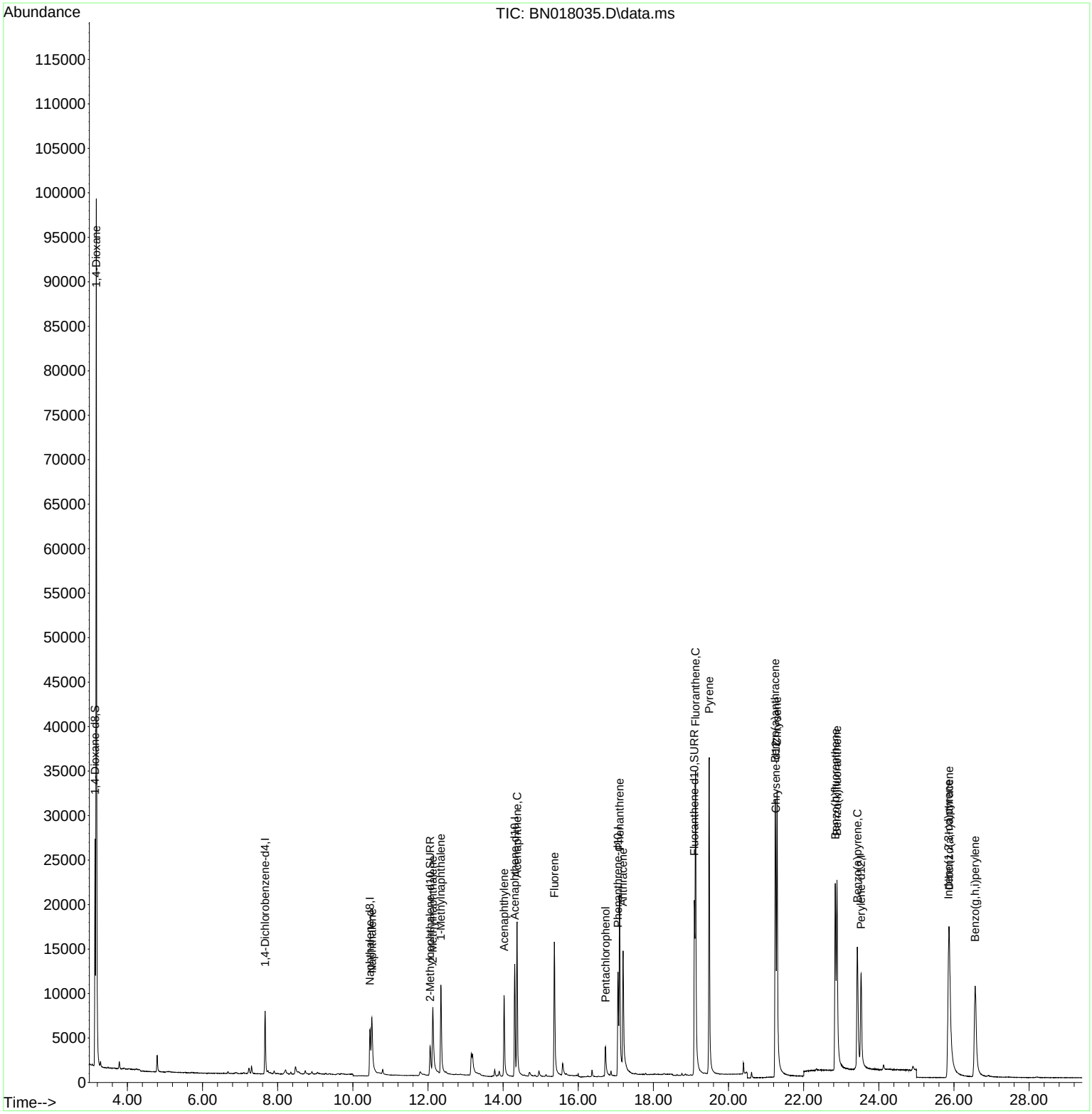
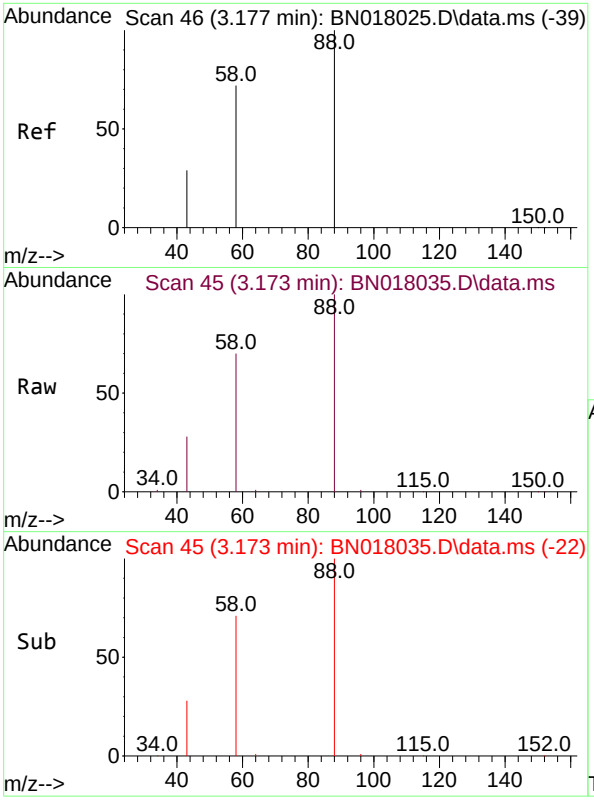


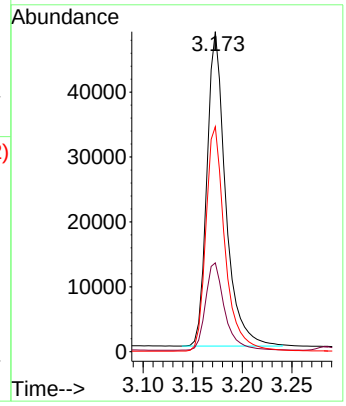


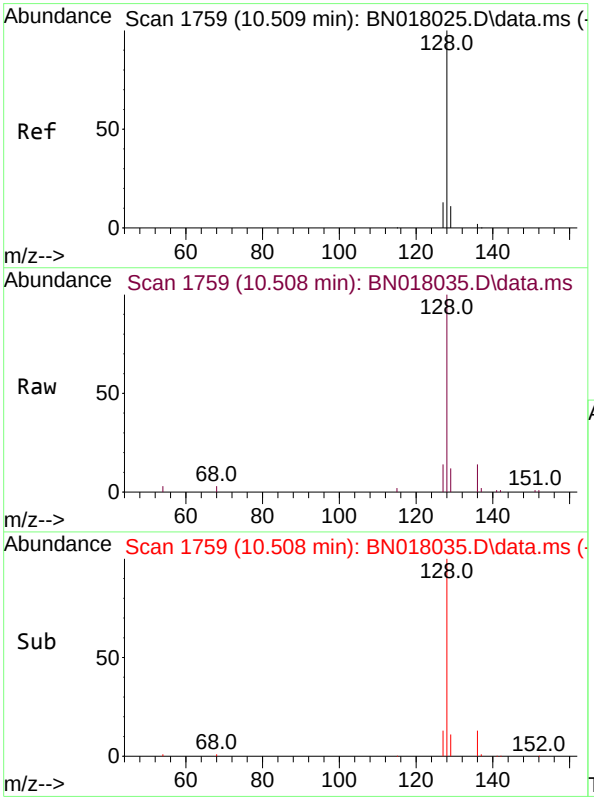
#2
1,4-Dioxane
Concen: 12.692 ng/ul
RT: 3.173 min Scan# 4
Delta R.T. -0.004 min
Lab File: BN018035.D
Acq: 15 Dec 2021 21:32

Instrument :
BNA_N
ClientSampleId :
EW5Q3MSD

Tgt Ion: 88 Resp: 63537

Ion	Ratio	Lower	Upper
88	100		
43	27.7	85.8	128.6#
58	70.3	43.4	65.0#

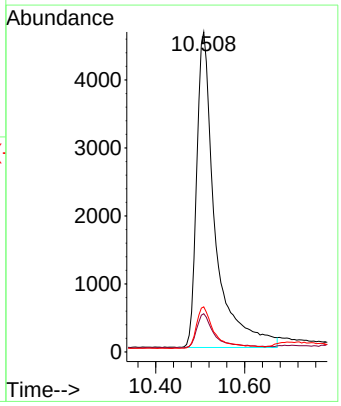


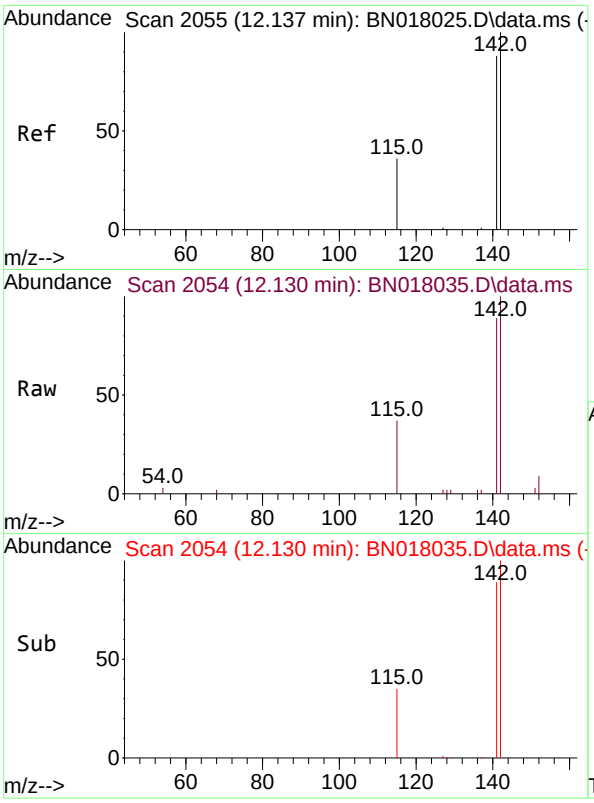


#5
Naphthalene
Concen: 0.398 ng/ul
RT: 10.508 min Scan# 1759
Delta R.T. -0.001 min
Lab File: BN018035.D
Acq: 15 Dec 2021 21:32

Tgt Ion:128 Resp: 13386

Ion	Ratio	Lower	Upper
128	100		
129	11.9	10.4	15.6
127	14.1	11.8	17.6



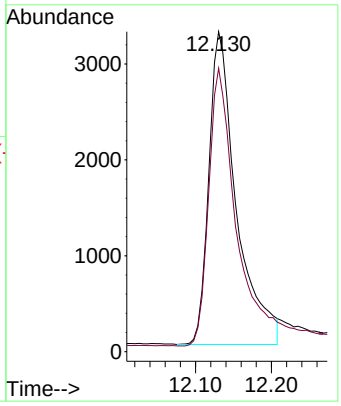


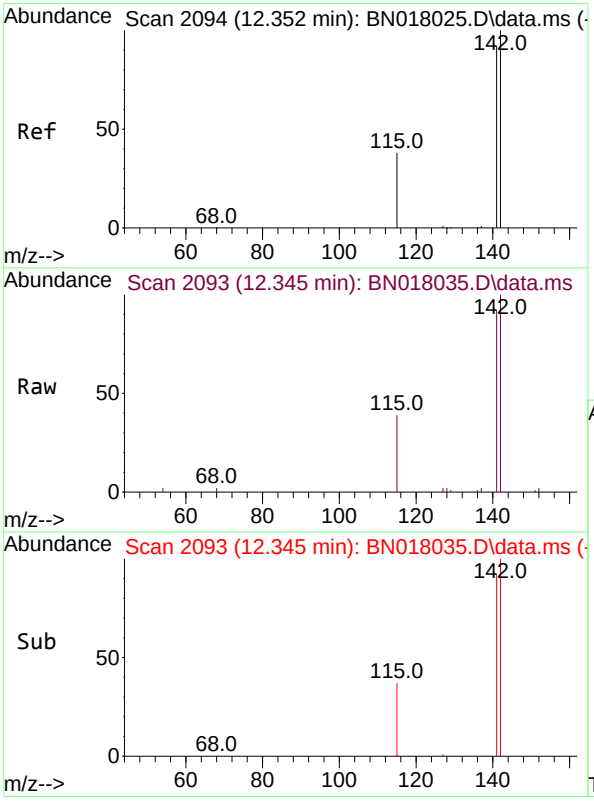
#7
2-Methylnaphthalene
Concen: 0.435 ng/ul
RT: 12.130 min Scan# 2
Delta R.T. -0.007 min
Lab File: BN018035.D
Acq: 15 Dec 2021 21:32

Instrument :
BNA_N
ClientSampleId :
EW5Q3MSD

Tgt Ion:142 Resp: 8226

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.5	107.3

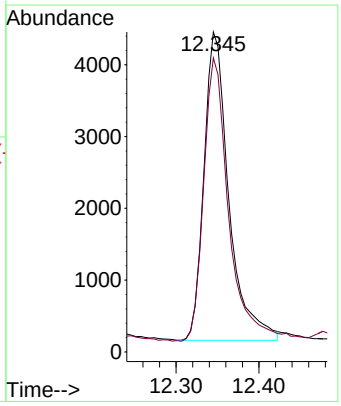


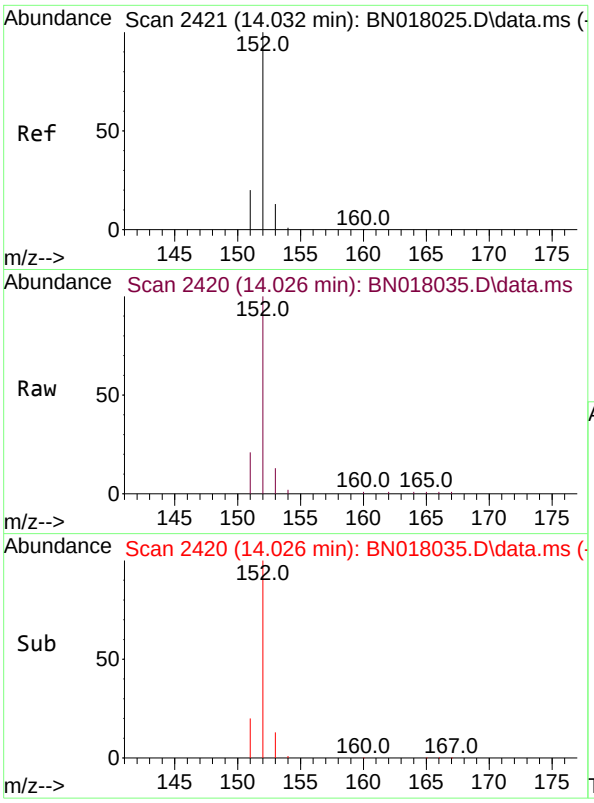


#8
1-Methylnaphthalene
Concen: 0.409 ng/ul
RT: 12.345 min Scan# 2093
Delta R.T. -0.007 min
Lab File: BN018035.D
Acq: 15 Dec 2021 21:32

Tgt Ion:142 Resp: 8969

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.3	109.9



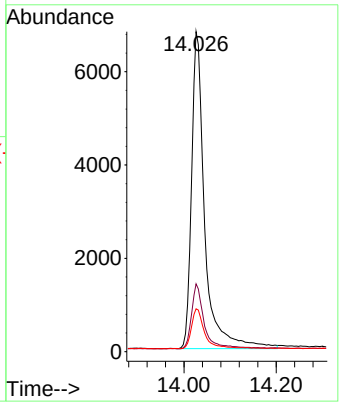


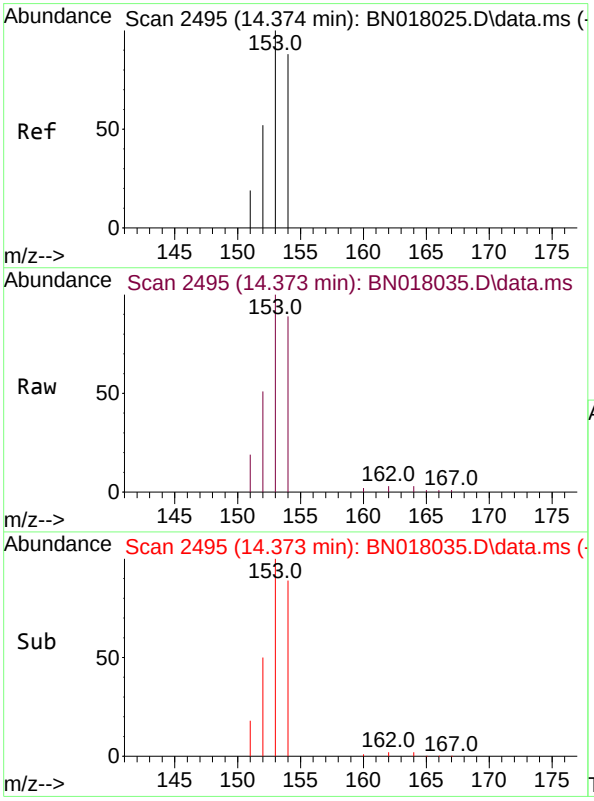
#10
Acenaphthylene
Concen: 0.414 ng/ul
RT: 14.026 min Scan# 24
Delta R.T. -0.006 min
Lab File: BN018035.D
Acq: 15 Dec 2021 21:32

Instrument :
BNA_N
ClientSampleId :
EW5Q3MSD

Tgt Ion:152 Resp: 13488

Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.4	24.6
153	13.4	11.1	16.7

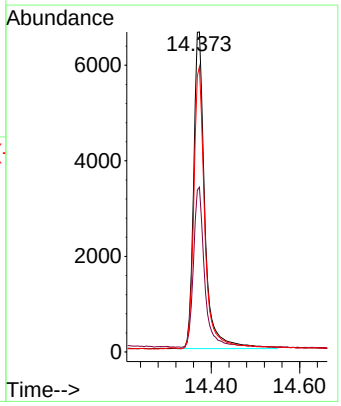


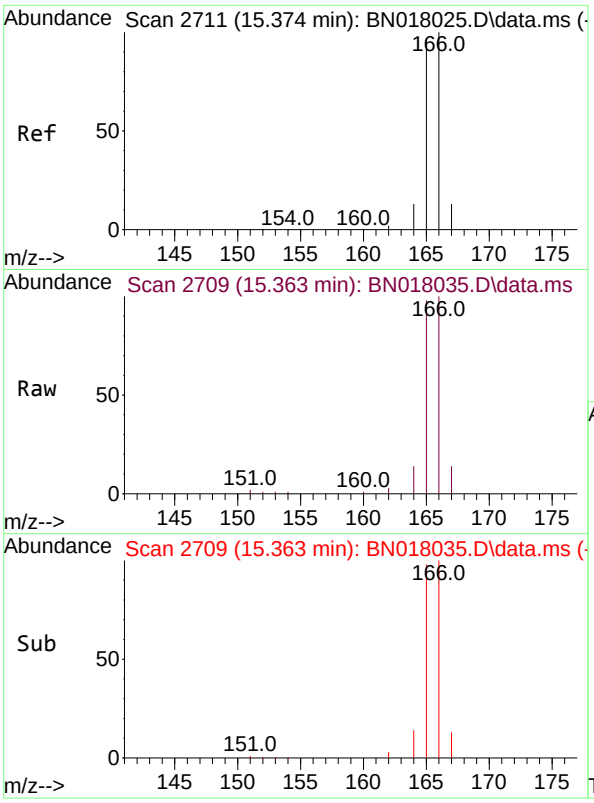


#11
Acenaphthene
Concen: 0.405 ng/ul
RT: 14.373 min Scan# 2495
Delta R.T. -0.001 min
Lab File: BN018035.D
Acq: 15 Dec 2021 21:32

Tgt Ion:153 Resp: 11712

Ion	Ratio	Lower	Upper
153	100		
152	51.5	38.3	57.5
154	89.2	71.1	106.7



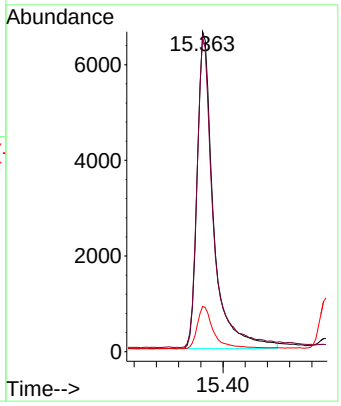


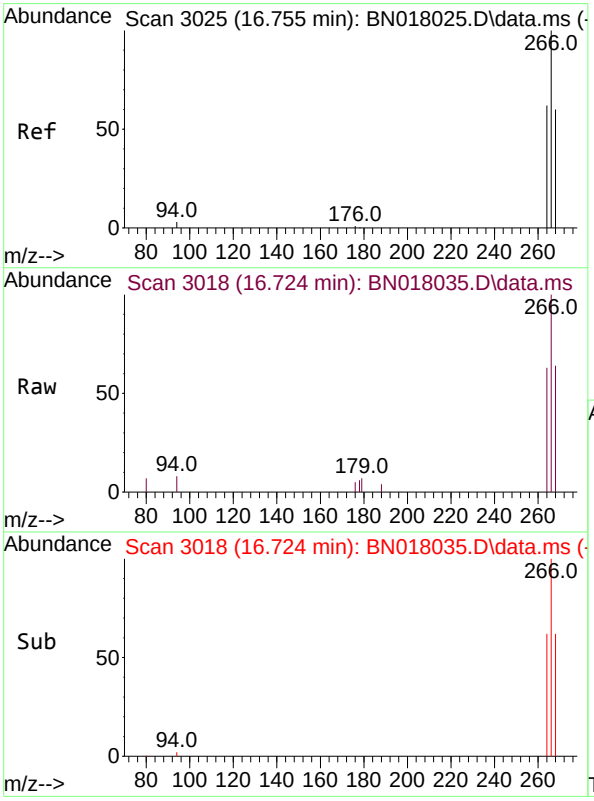
#12
Fluorene
Concen: 0.427 ng/ul
RT: 15.363 min Scan# 2
Delta R.T. -0.010 min
Lab File: BN018035.D
Acq: 15 Dec 2021 21:32

Instrument :
BNA_N
ClientSampleId :
EW5Q3MSD

Tgt Ion:166 Resp: 13612

Ion	Ratio	Lower	Upper
166	100		
165	98.4	79.2	118.8
167	14.1	11.2	16.8

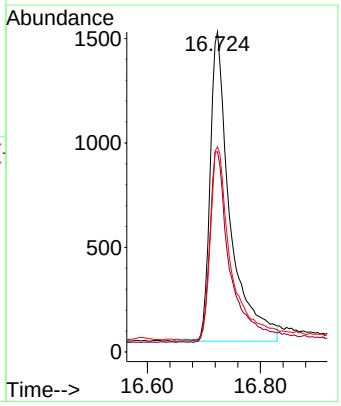


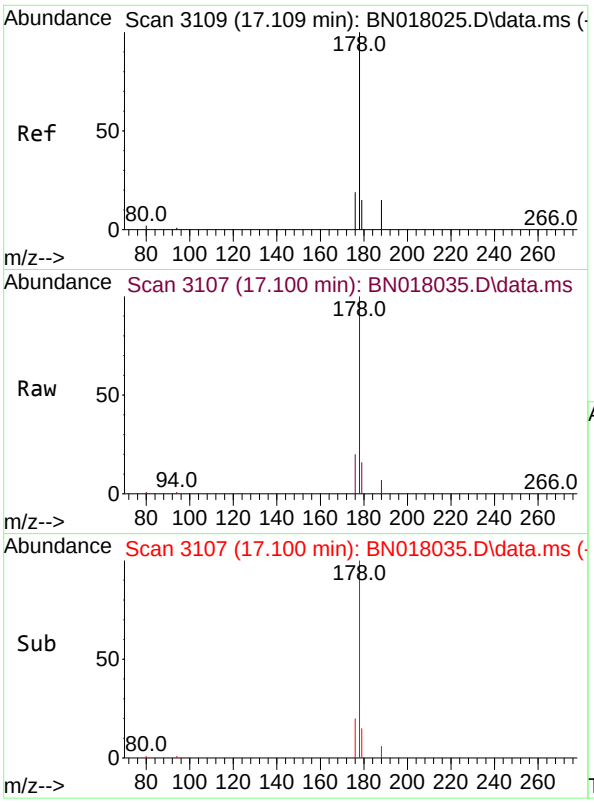


#14
Pentachlorophenol
Concen: 1.177 ng/ul
RT: 16.724 min Scan# 3018
Delta R.T. -0.031 min
Lab File: BN018035.D
Acq: 15 Dec 2021 21:32

Tgt Ion:266 Resp: 3610

Ion	Ratio	Lower	Upper
266	100		
264	62.5	50.3	75.5
268	64.4	52.2	78.4



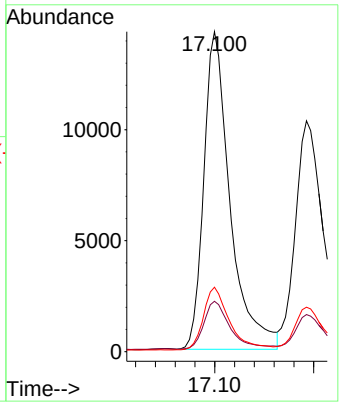


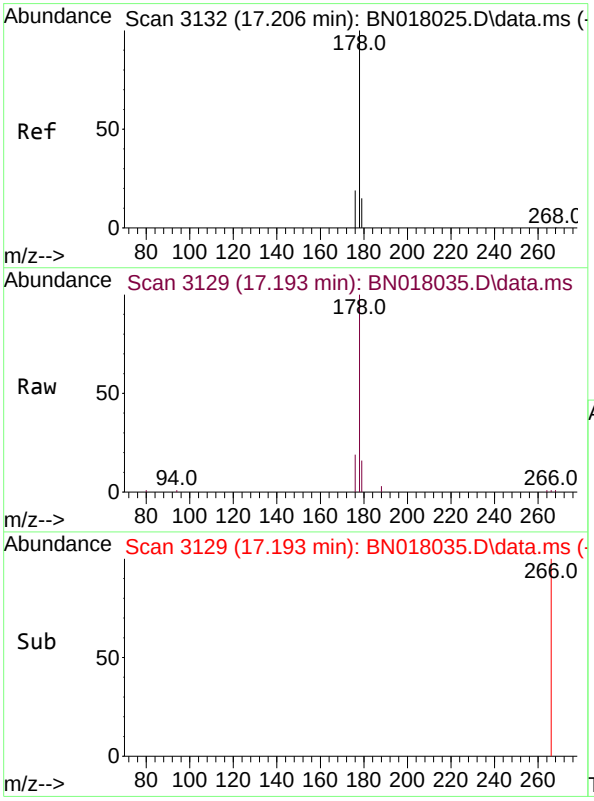
#15
Phenanthrene
Concen: 0.435 ng/ul
RT: 17.100 min Scan# 3
Delta R.T. -0.010 min
Lab File: BN018035.D
Acq: 15 Dec 2021 21:32

Instrument :
BNA_N
ClientSampleId :
EW5Q3MSD

Tgt Ion:178 Resp: 26433

Ion	Ratio	Lower	Upper
178	100		
179	15.7	13.0	19.4
176	20.1	15.6	23.4

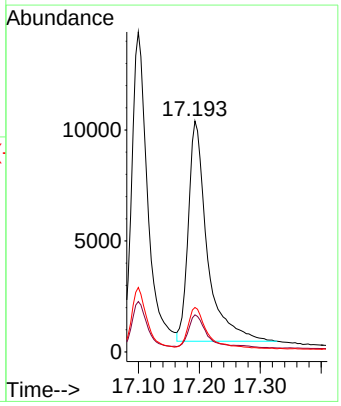


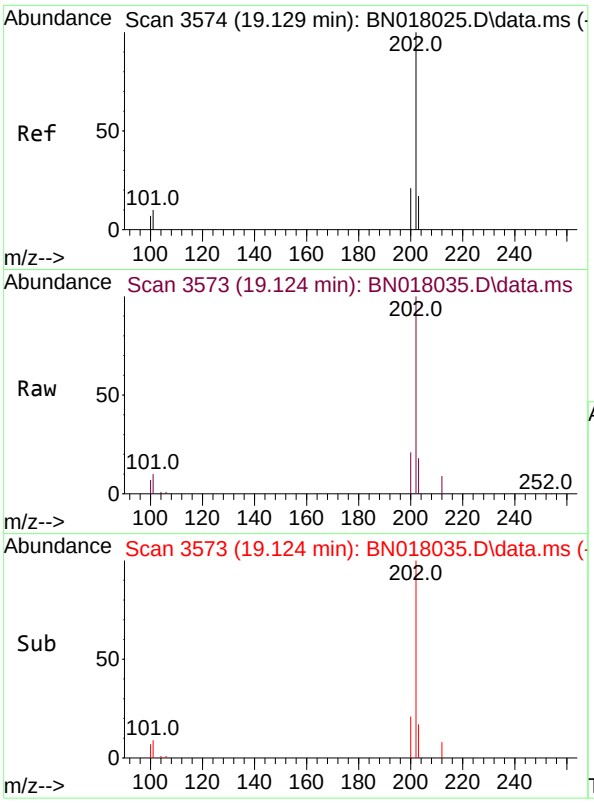


#16
Anthracene
Concen: 0.448 ng/ul
RT: 17.193 min Scan# 3129
Delta R.T. -0.014 min
Lab File: BN018035.D
Acq: 15 Dec 2021 21:32

Tgt Ion:178 Resp: 21409

Ion	Ratio	Lower	Upper
178	100		
179	16.1	13.3	19.9
176	19.3	15.1	22.7



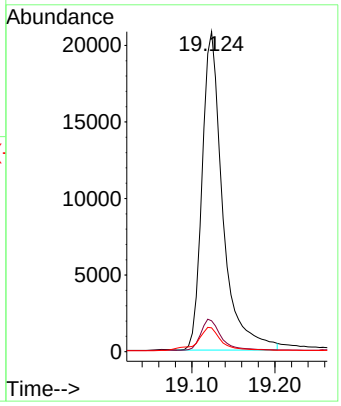


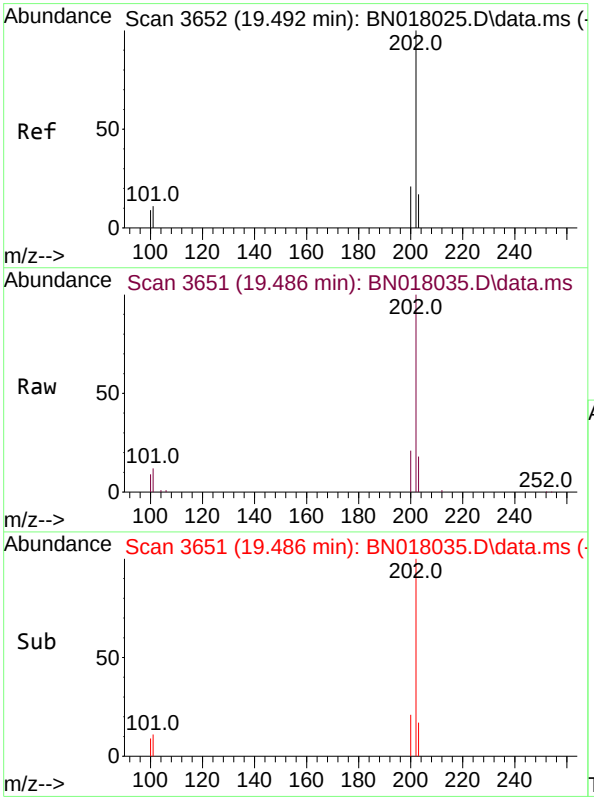
#19
Fluoranthene
Concen: 0.496 ng/ul
RT: 19.124 min Scan# 3
Delta R.T. -0.006 min
Lab File: BN018035.D
Acq: 15 Dec 2021 21:32

Instrument :
BNA_N
ClientSampleId :
EW5Q3MSD

Tgt Ion:202 Resp: 35995

Ion	Ratio	Lower	Upper
202	100		
101	9.6	9.0	13.4
100	7.5	6.8	10.2

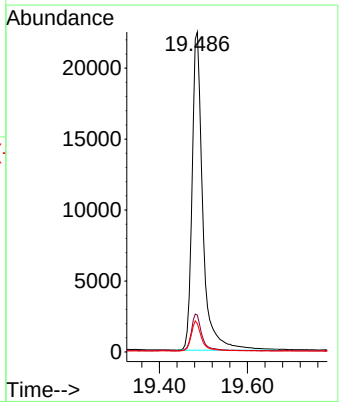


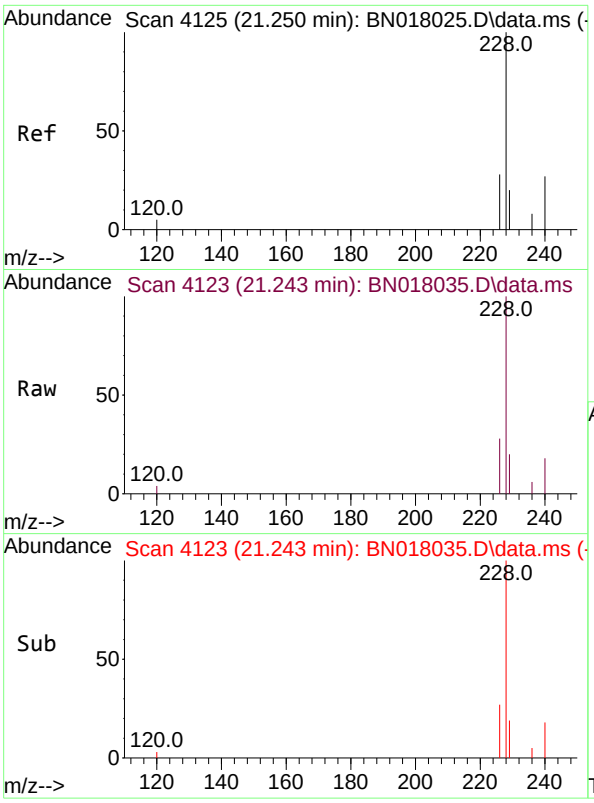


#20
Pyrene
Concen: 0.467 ng/ul
RT: 19.486 min Scan# 3651
Delta R.T. -0.006 min
Lab File: BN018035.D
Acq: 15 Dec 2021 21:32

Tgt Ion:202 Resp: 37950

Ion	Ratio	Lower	Upper
202	100		
101	11.5	11.4	17.2
100	8.9	9.4	14.0#





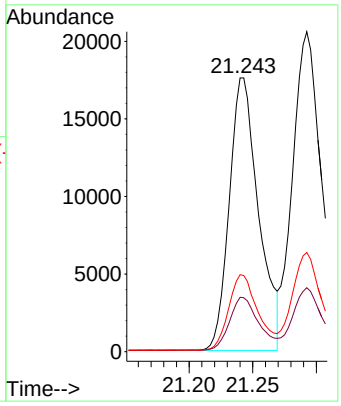
#21
Benzo(a)anthracene
Concen: 0.526 ng/ul
RT: 21.243 min Scan# 4

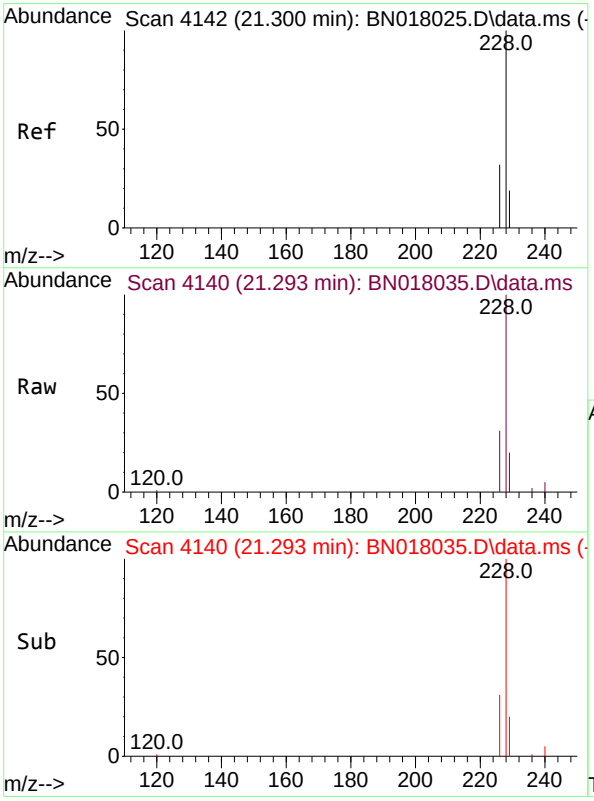
Instrument :
BNA_N
ClientSampleId :
EW5Q3MSD

Delta R.T. -0.007 min
Lab File: BN018035.D
Acq: 15 Dec 2021 21:32

Tgt Ion:228 Resp: 28181

Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.8	23.6
226	27.8	21.8	32.8

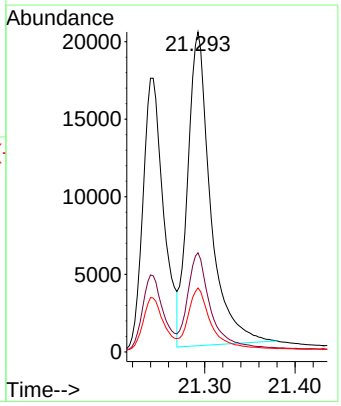


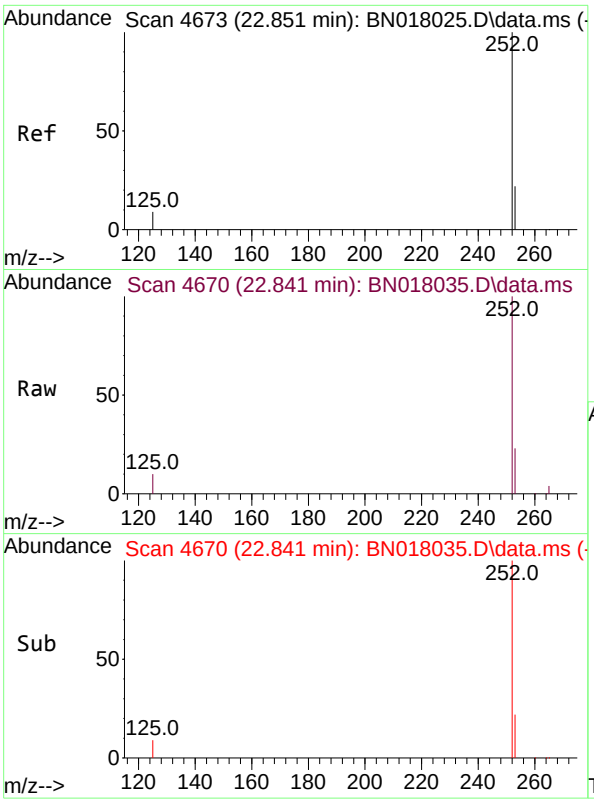


#22
Chrysene
Concen: 0.460 ng/ul
RT: 21.293 min Scan# 4140
Delta R.T. -0.007 min
Lab File: BN018035.D
Acq: 15 Dec 2021 21:32

Tgt Ion:228 Resp: 35367

Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.9	35.9
229	20.0	15.7	23.5



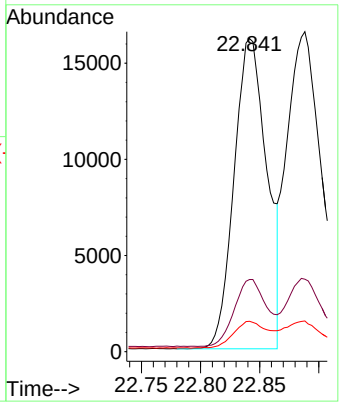


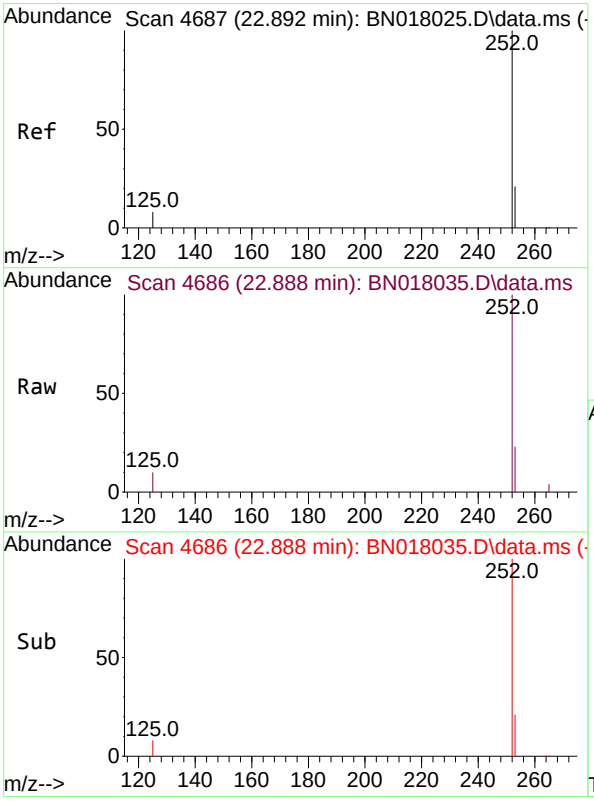
#24
Benzo(b)fluoranthene
Concen: 0.480 ng/ul
RT: 22.841 min Scan# 4
Delta R.T. -0.010 min
Lab File: BN018035.D
Acq: 15 Dec 2021 21:32

Instrument :
BNA_N
ClientSampleId :
EW5Q3MSD

Tgt Ion:252 Resp: 31111

Ion	Ratio	Lower	Upper
252	100		
253	23.1	0.0	57.6
125	9.7	0.0	39.0

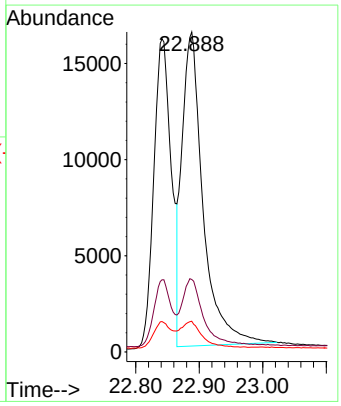


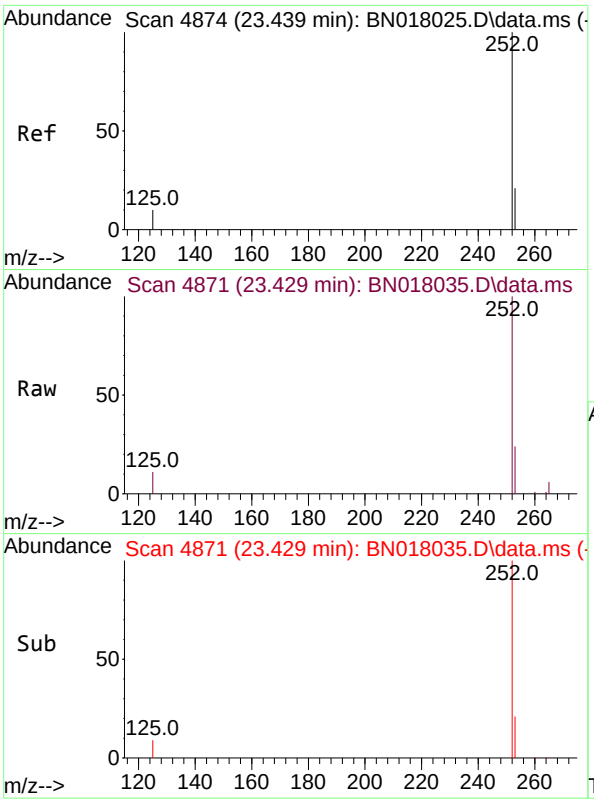


#25
Benzo(k)fluoranthene
Concen: 0.435 ng/ul
RT: 22.888 min Scan# 4686
Delta R.T. -0.004 min
Lab File: BN018035.D
Acq: 15 Dec 2021 21:32

Tgt Ion:252 Resp: 37631

Ion	Ratio	Lower	Upper
252	100		
253	22.7	23.1	34.7#
125	9.6	17.1	25.7#



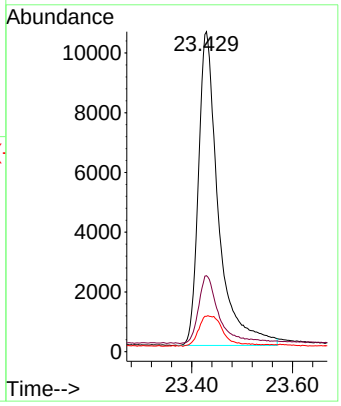


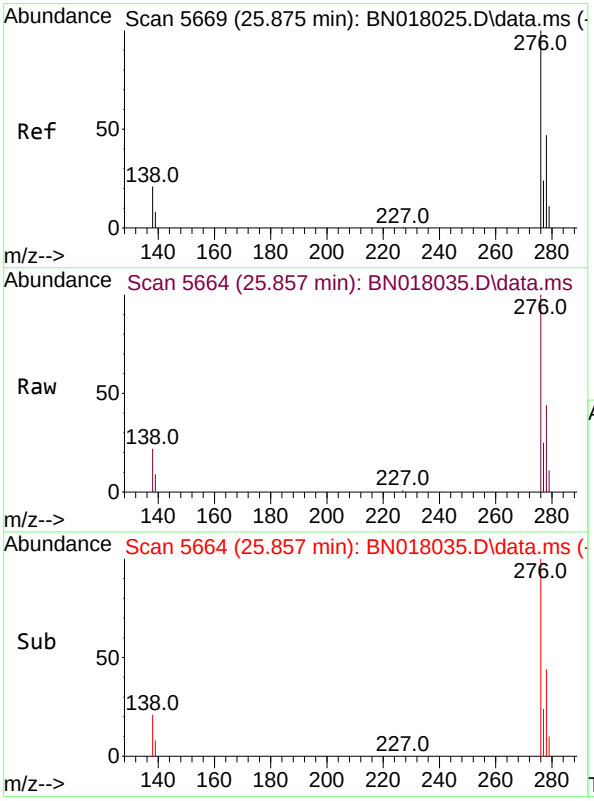
#26
Benzo(a)pyrene
Concen: 0.461 ng/ul
RT: 23.429 min Scan# 4
Delta R.T. -0.010 min
Lab File: BN018035.D
Acq: 15 Dec 2021 21:32

Instrument :
BNA_N
ClientSampleId :
EW5Q3MSD

Tgt Ion:252 Resp: 28843

Ion	Ratio	Lower	Upper
252	100		
253	23.7	25.0	37.4#
125	11.1	19.3	28.9#

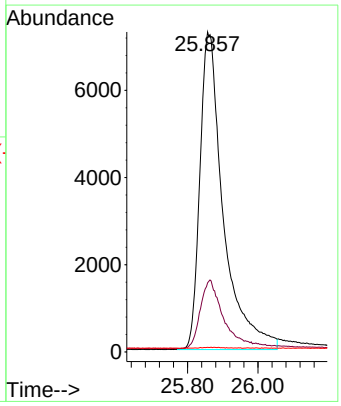


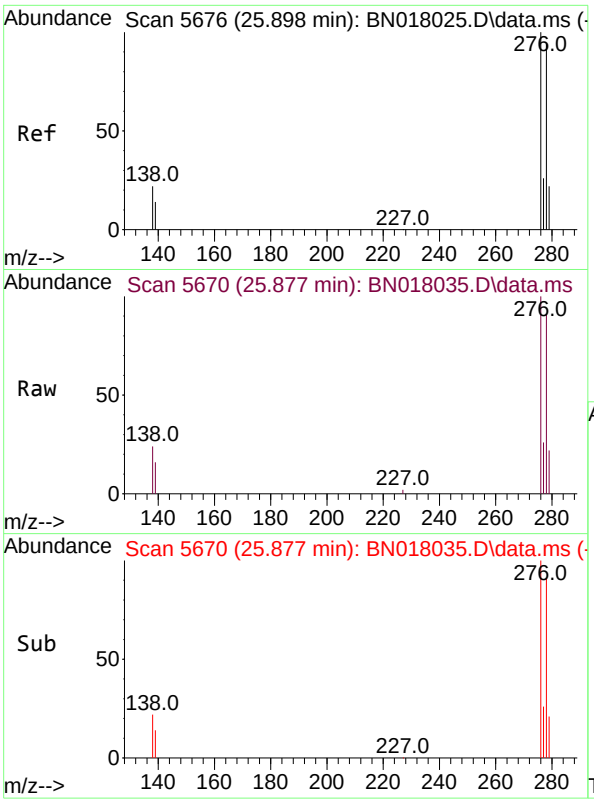


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.477 ng/ul
RT: 25.857 min Scan# 5664
Delta R.T. -0.018 min
Lab File: BN018035.D
Acq: 15 Dec 2021 21:32

Tgt Ion:276 Resp: 33649

Ion	Ratio	Lower	Upper
276	100		
138	22.1	0.1	0.1#
227	0.1	0.0	0.0#



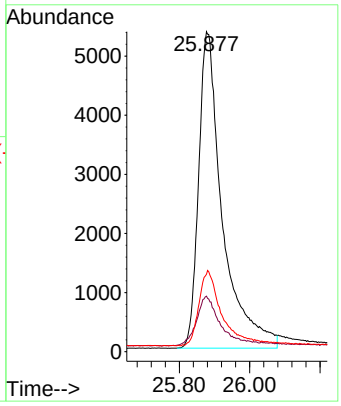


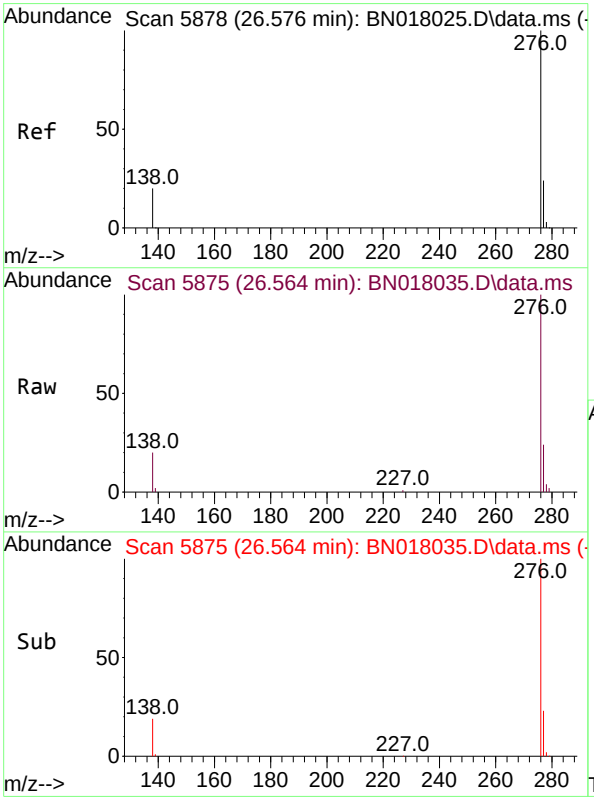
#28
Dibenzo(a,h)anthracene
Concen: 0.488 ng/ul
RT: 25.877 min Scan# 5
Delta R.T. -0.021 min
Lab File: BN018035.D
Acq: 15 Dec 2021 21:32

Instrument :
BNA_N
ClientSampleId :
EW5Q3MSD

Tgt Ion:278 Resp: 25171

Ion	Ratio	Lower	Upper
278	100		
139	17.3	21.8	32.8#
279	24.2	26.3	39.5#





#29
Benzo(g,h,i)perylene
Concen: 0.478 ng/ul
RT: 26.564 min Scan# 5875
Delta R.T. -0.011 min
Lab File: BN018035.D
Acq: 15 Dec 2021 21:32

Tgt Ion:276 Resp: 28915

Ion	Ratio	Lower	Upper
276	100		
138	19.5	24.5	36.7#
277	23.9	21.2	31.8