Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071922\
Data File : BN020795.D
Acq On : 20 Jul 2022 04:55
Operator : CG/JU
Sample : SP5940
Misc : SFAM SIM SPIKE
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SP5940

Quant Time: Jul 20 05:44:31 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN062422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 20 01:02:30 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.821	152	2592	0.400	ng/ul	0.00
4) Naphthalene-d8	10.617	136	9568	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.469	164	4544	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.221	188	9659	0.400	ng/ul	0.00
17) Chrysene-d12	21.420	240	9481	0.400	ng/ul	0.00
23) Perylene-d12	23.767	264	7917	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0d	0.000	ng/ul	
6) 2-Methylnaphthalene-d10	0.000	152	0d	0.000	ng/ul	
18) Fluoranthene-d10	0.000	212	0d	0.000	ng/ul	
Target Compounds						Qvalue
2) 1,4-Dioxane	3.252	88	11995	3.912	ng/ul#	78
5) Naphthalene	10.661	128	19537	0.661	ng/ul	99
7) 2-Methylnaphthalene	12.289	142	12323	0.623	ng/ul	99
8) 1-Methylnaphthalene	12.509	142	11890	0.634	ng/ul	100
10) Acenaphthylene	14.187	152	14294	0.664	ng/ul	99
11) Acenaphthene	14.530	153	11444	0.664	ng/ul	99
12) Fluorene	15.524	166	13112	0.642	ng/ul	100
14) Pentachlorophenol	16.883	266	2084	1.070	ng/ul	99
15) Phenanthrene	17.259	178	22165	0.660	ng/ul	100
16) Anthracene	17.356	178	18676	0.644	ng/ul	100
19) Fluoranthene	19.285	202	24165	0.558	ng/ul	100
20) Pyrene	19.653	202	25924	0.577	ng/ul	97
21) Benzo(a)anthracene	21.406	228	20877	0.613	ng/ul	99
22) Chrysene	21.458	228	25267	0.667	ng/ul	99
24) Benzo(b)fluoranthene	23.054	252	24443	0.667	ng/ul	96
25) Benzo(k)fluoranthene	23.101	252	24429	0.660	ng/ul	97
26) Benzo(a)pyrene	23.665	252	21319	0.640	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	26.195	276	24178	0.730	ng/ul	97
28) Dibenzo(a,h)anthracene	26.215	278	19078	0.713	ng/ul	97
29) Benzo(g,h,i)perylene	26.932	276	21682	0.762	ng/ul	98

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

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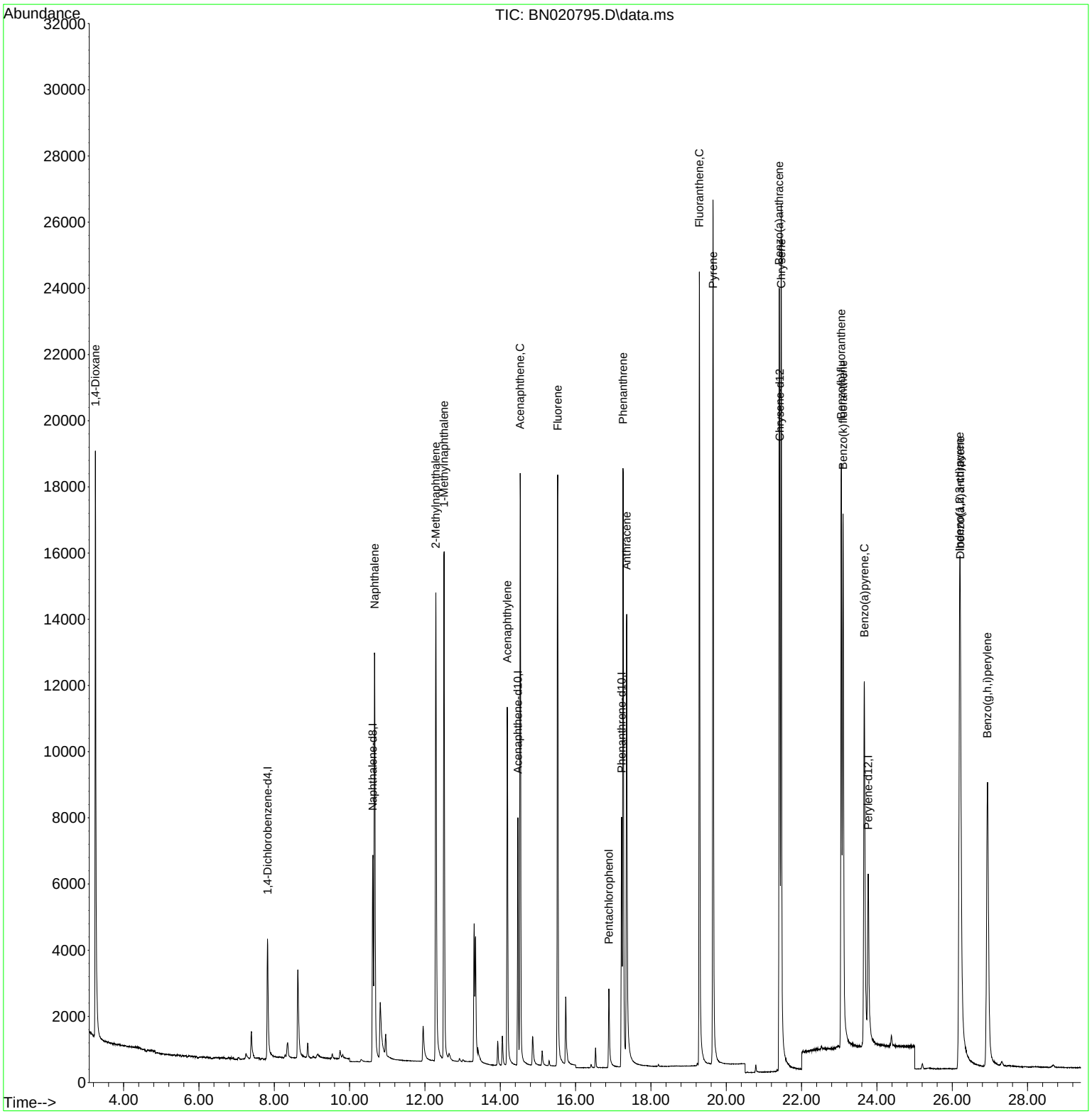
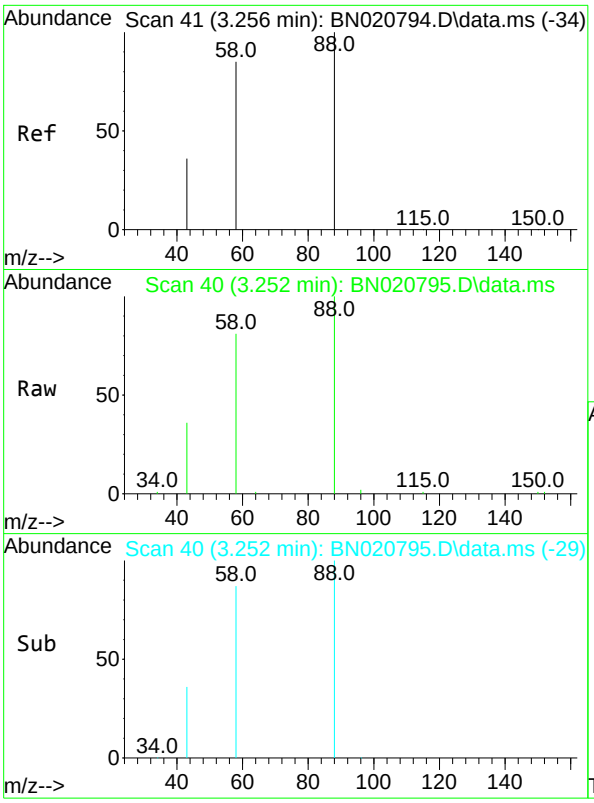


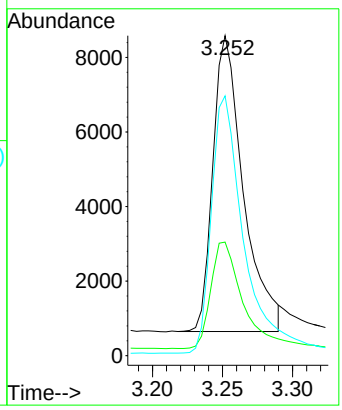


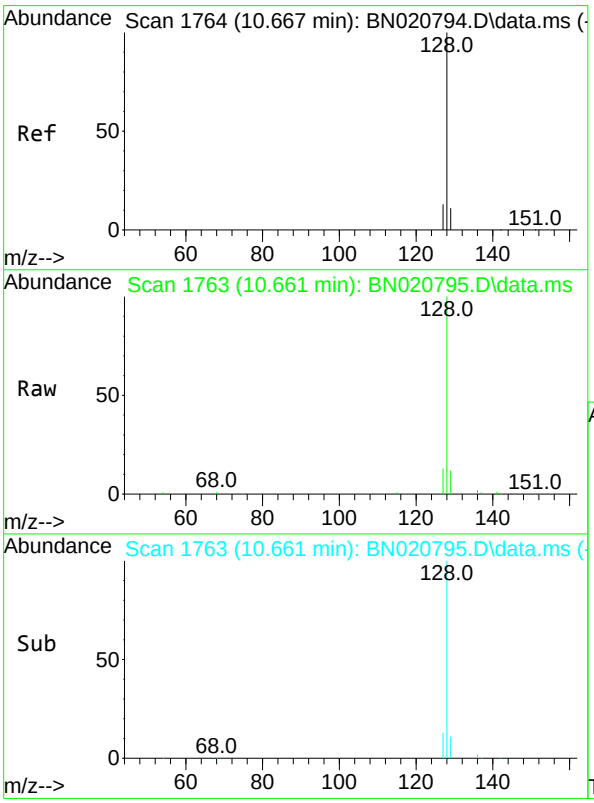
#2
1,4-Dioxane
Concen: 3.912 ng/ul
RT: 3.252 min Scan# 4
Delta R.T. -0.004 min
Lab File: BN020795.D
Acq: 20 Jul 2022 04:55

Instrument :
BNA_N
ClientSampleId :
SP5940

Tgt Ion: 88 Resp: 11995

Ion	Ratio	Lower	Upper
88	100		
43	35.5	32.5	48.7
58	81.2	46.2	69.2#

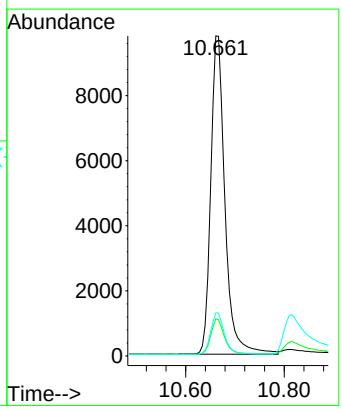


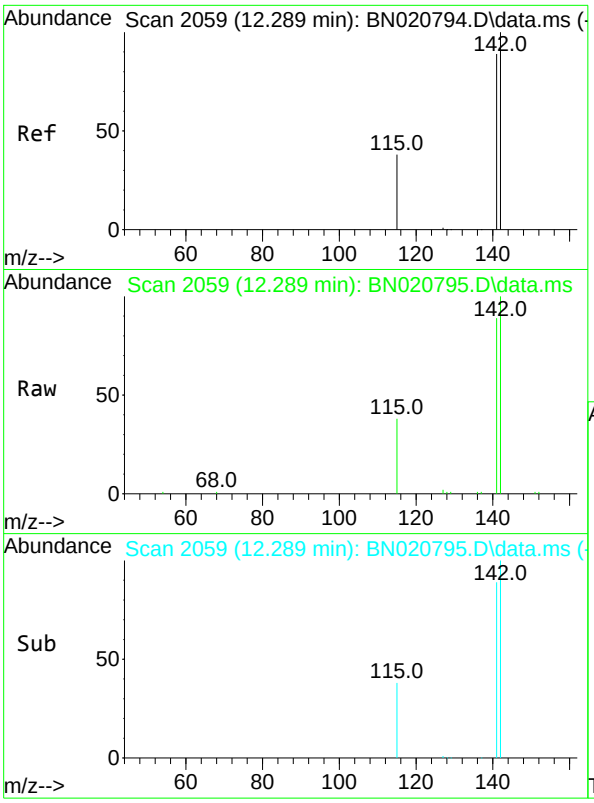


#5
Naphthalene
Concen: 0.661 ng/ul
RT: 10.661 min Scan# 1763
Delta R.T. -0.005 min
Lab File: BN020795.D
Acq: 20 Jul 2022 04:55

Tgt Ion:128 Resp: 19537

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.5	14.3
127	13.5	11.3	16.9



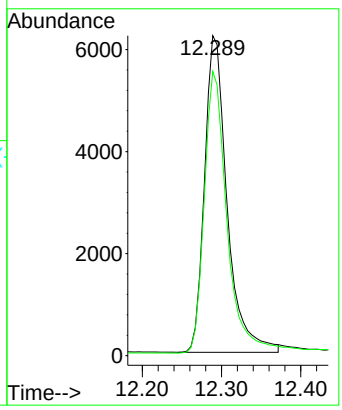


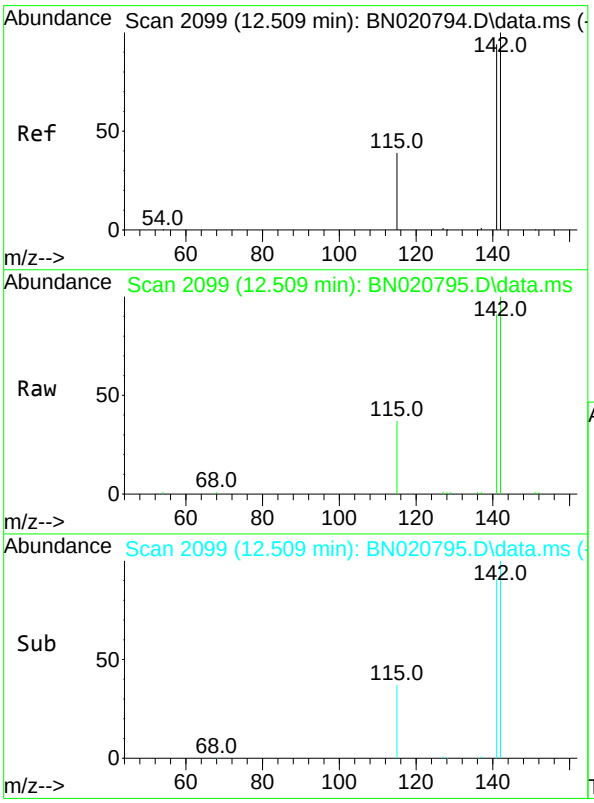
#7
2-Methylnaphthalene
Concen: 0.623 ng/ul
RT: 12.289 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN020795.D
Acq: 20 Jul 2022 04:55

Instrument :
BNA_N
ClientSampleId :
SP5940

Tgt Ion:142 Resp: 12323

Ion	Ratio	Lower	Upper
142	100		
141	89.0	72.1	108.1

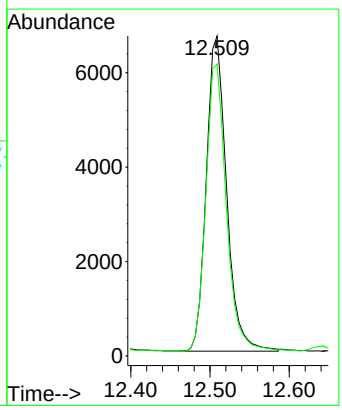


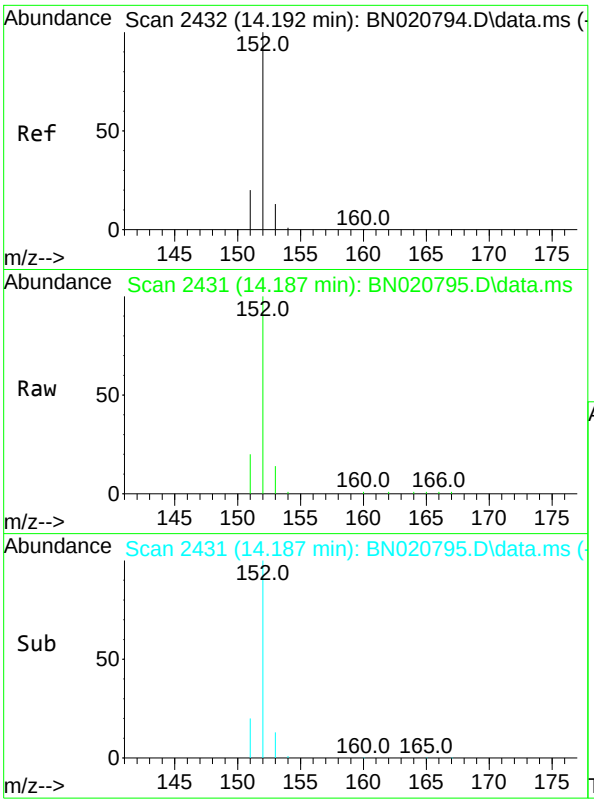


#8
1-Methylnaphthalene
Concen: 0.634 ng/ul
RT: 12.509 min Scan# 2099
Delta R.T. 0.000 min
Lab File: BN020795.D
Acq: 20 Jul 2022 04:55

Tgt Ion:142 Resp: 11890

Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.7	110.5



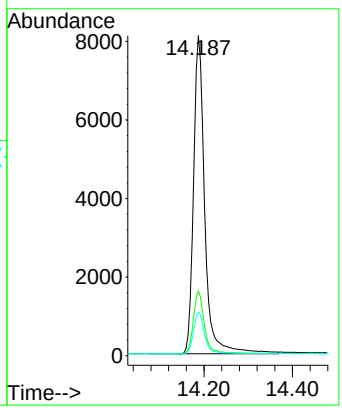


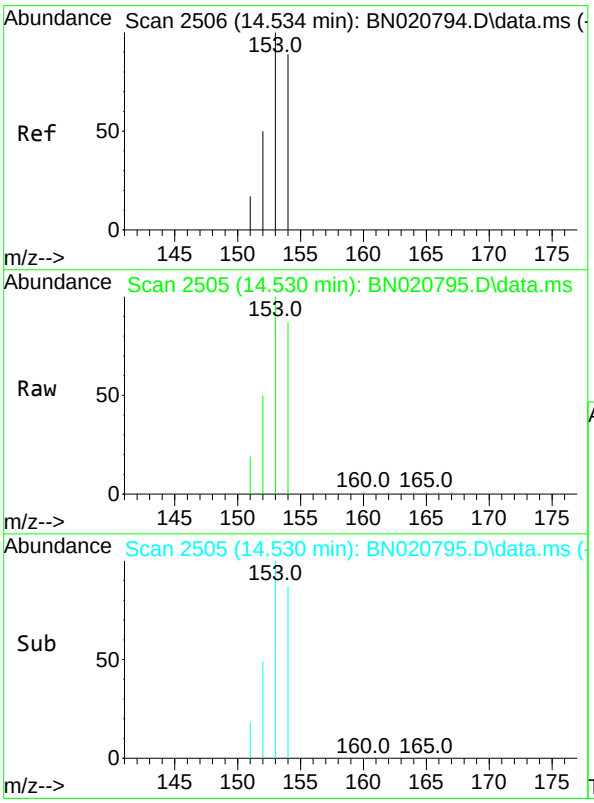
#10
Acenaphthylene
Concen: 0.664 ng/ul
RT: 14.187 min Scan# 24
Delta R.T. -0.001 min
Lab File: BN020795.D
Acq: 20 Jul 2022 04:55

Instrument :
BNA_N
ClientSampleId :
SP5940

Tgt Ion:152 Resp: 14294

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.5	24.7
153	13.6	11.1	16.7

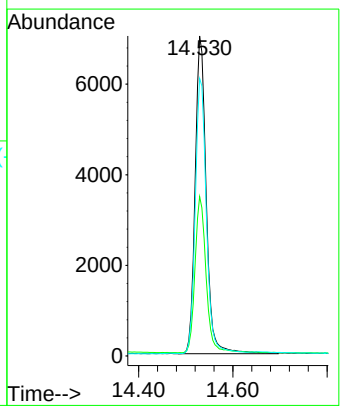


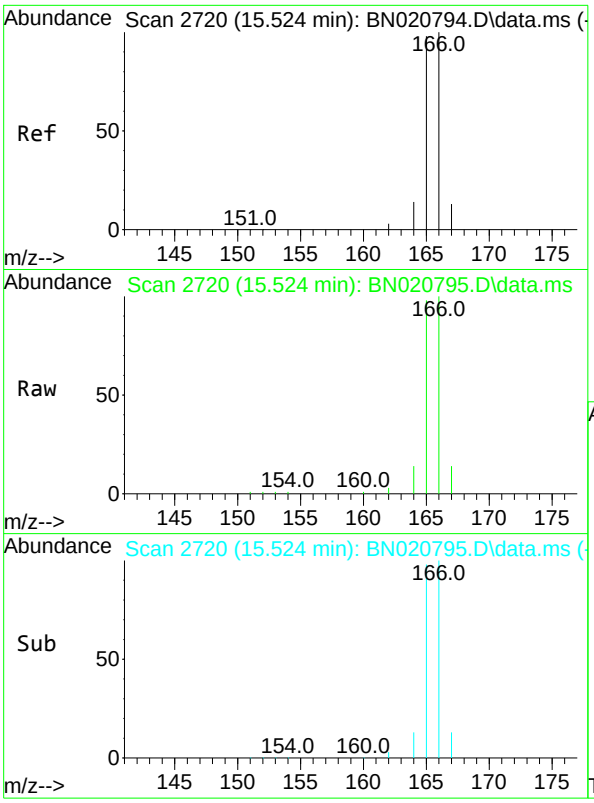


#11
Acenaphthene
Concen: 0.664 ng/ul
RT: 14.530 min Scan# 2505
Delta R.T. -0.001 min
Lab File: BN020795.D
Acq: 20 Jul 2022 04:55

Tgt Ion:153 Resp: 11444

Ion	Ratio	Lower	Upper
153	100		
152	49.8	40.0	60.0
154	86.7	70.0	105.0



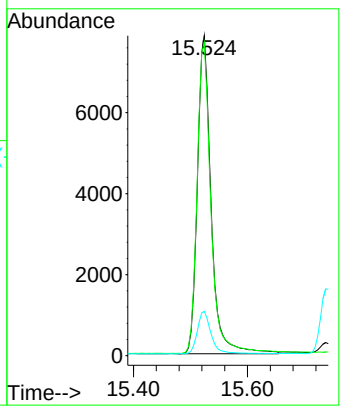


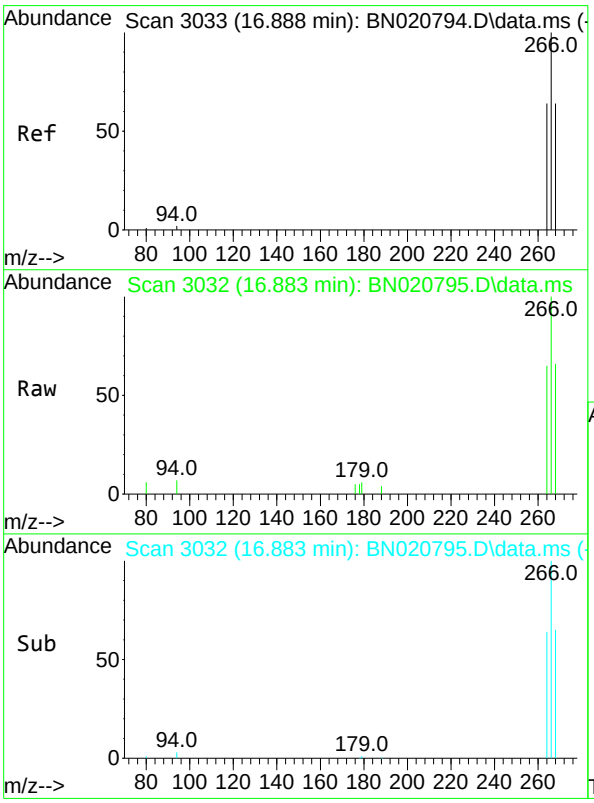
#12
Fluorene
Concen: 0.642 ng/ul
RT: 15.524 min Scan# 2
Delta R.T. -0.001 min
Lab File: BN020795.D
Acq: 20 Jul 2022 04:55

Instrument :
BNA_N
ClientSampleId :
SP5940

Tgt Ion:166 Resp: 13112

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.2	117.2
167	13.9	11.3	16.9

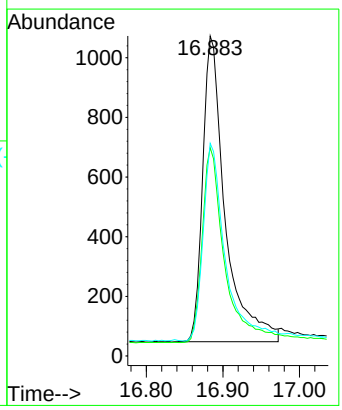


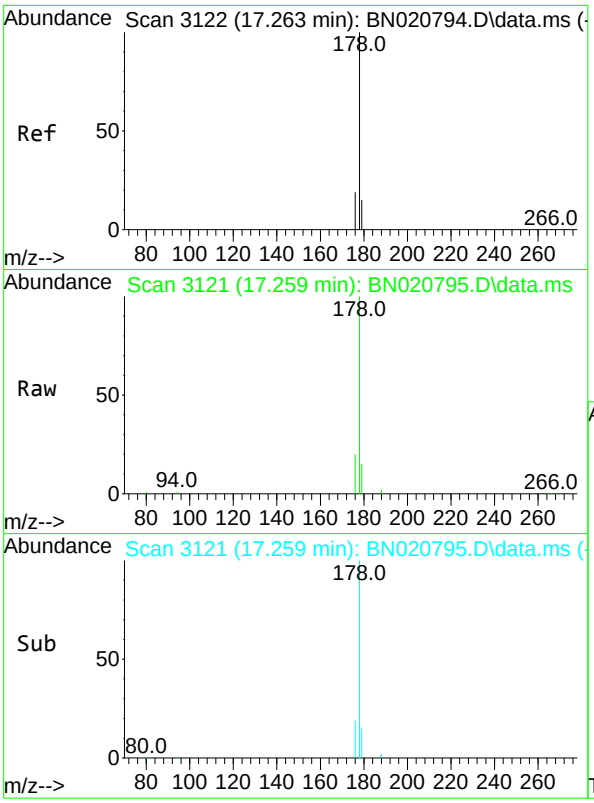


#14
Pentachlorophenol
Concen: 1.070 ng/ul
RT: 16.883 min Scan# 3032
Delta R.T. -0.009 min
Lab File: BN020795.D
Acq: 20 Jul 2022 04:55

Tgt Ion:266 Resp: 2084

Ion	Ratio	Lower	Upper
266	100		
264	63.9	51.6	77.4
268	64.9	51.5	77.3



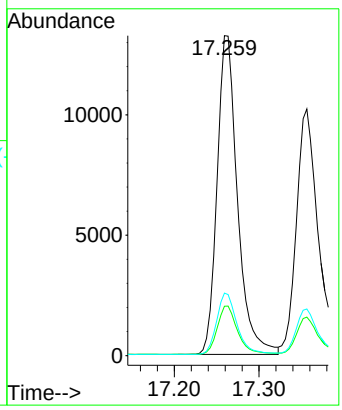


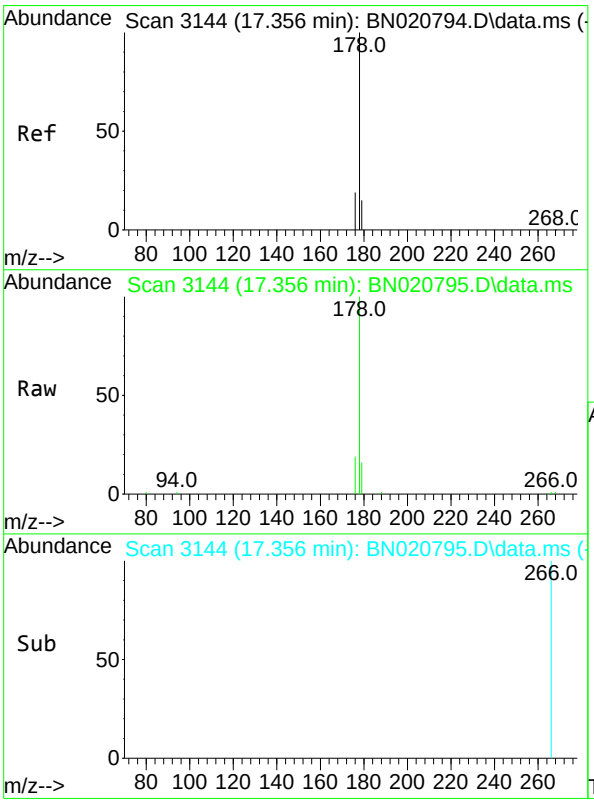
#15
Phenanthrene
Concen: 0.660 ng/ul
RT: 17.259 min Scan# 3
Delta R.T. -0.005 min
Lab File: BN020795.D
Acq: 20 Jul 2022 04:55

Instrument :
BNA_N
ClientSampleId :
SP5940

Tgt Ion:178 Resp: 22165

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.6	18.8
176	19.5	15.8	23.6

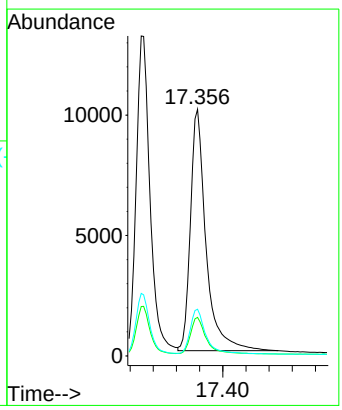


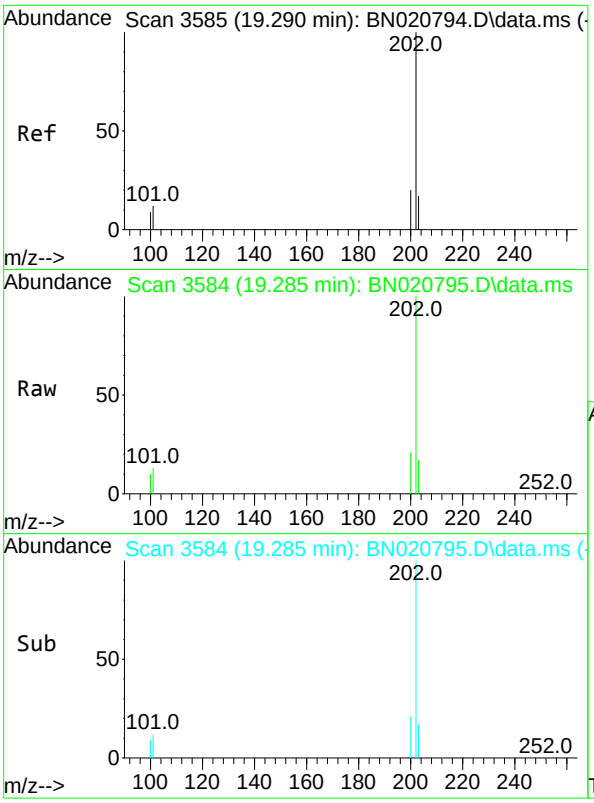


#16
Anthracene
Concen: 0.644 ng/ul
RT: 17.356 min Scan# 3144
Delta R.T. -0.005 min
Lab File: BN020795.D
Acq: 20 Jul 2022 04:55

Tgt Ion:178 Resp: 18676

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.8	19.2
176	18.9	15.2	22.8



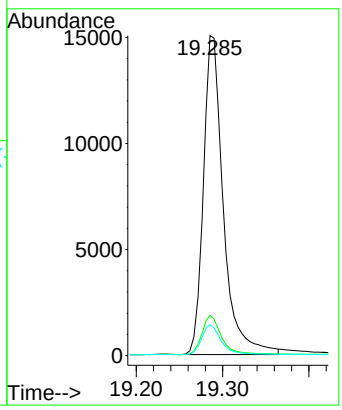


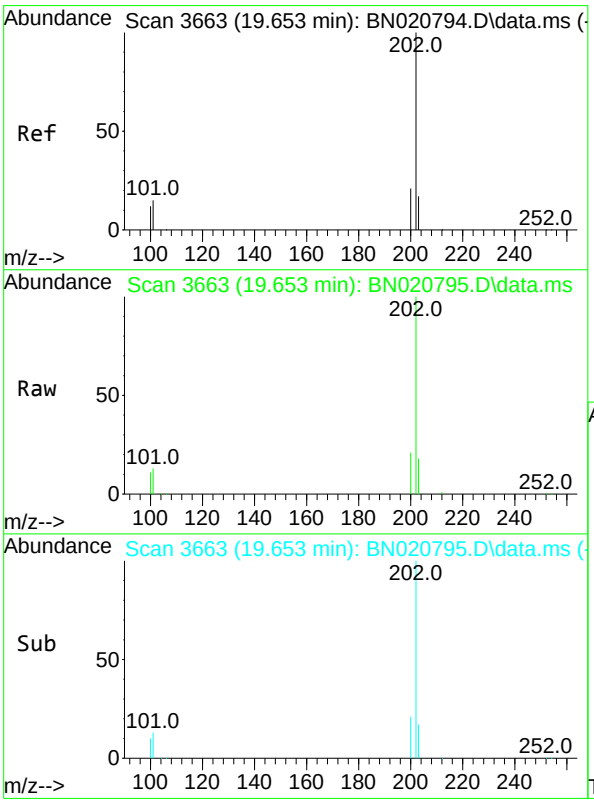
#19
Fluoranthene
Concen: 0.558 ng/ul
RT: 19.285 min Scan# 3
Delta R.T. -0.005 min
Lab File: BN020795.D
Acq: 20 Jul 2022 04:55

Instrument :
BNA_N
ClientSampleId :
SP5940

Tgt Ion:202 Resp: 24165

Ion	Ratio	Lower	Upper
202	100		
101	12.6	10.3	15.5
100	9.7	7.8	11.6

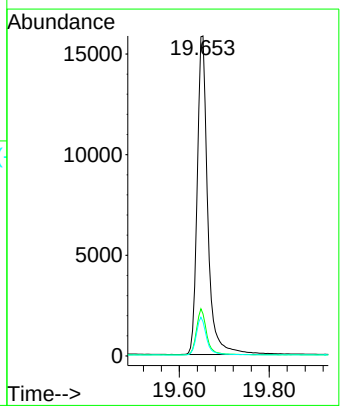


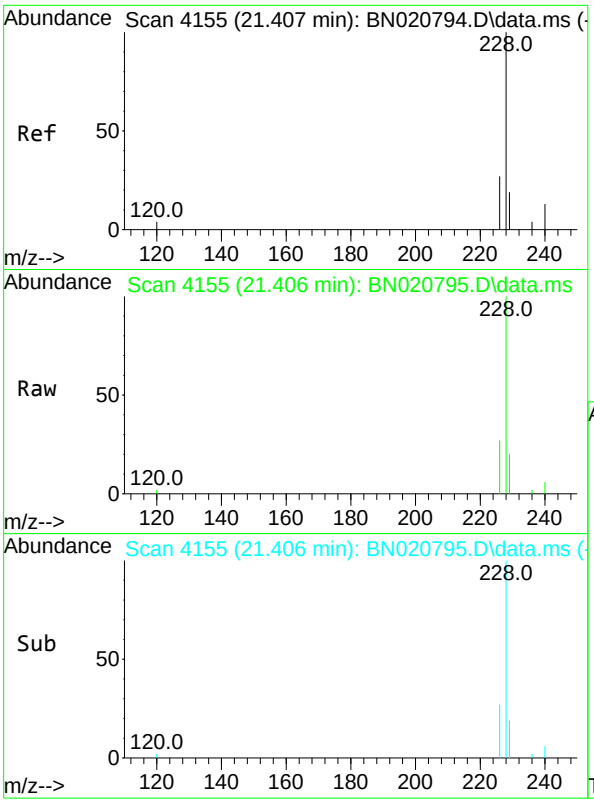


#20
Pyrene
Concen: 0.577 ng/ul
RT: 19.653 min Scan# 3663
Delta R.T. -0.001 min
Lab File: BN020795.D
Acq: 20 Jul 2022 04:55

Tgt Ion:202 Resp: 25924

Ion	Ratio	Lower	Upper
202	100		
101	13.2	11.6	17.4
100	10.7	9.2	13.8



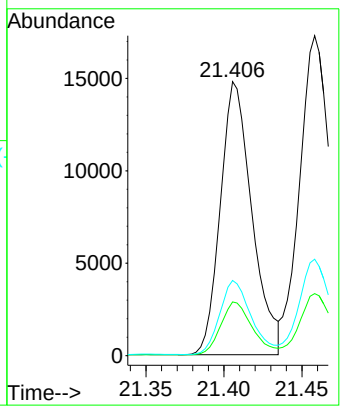


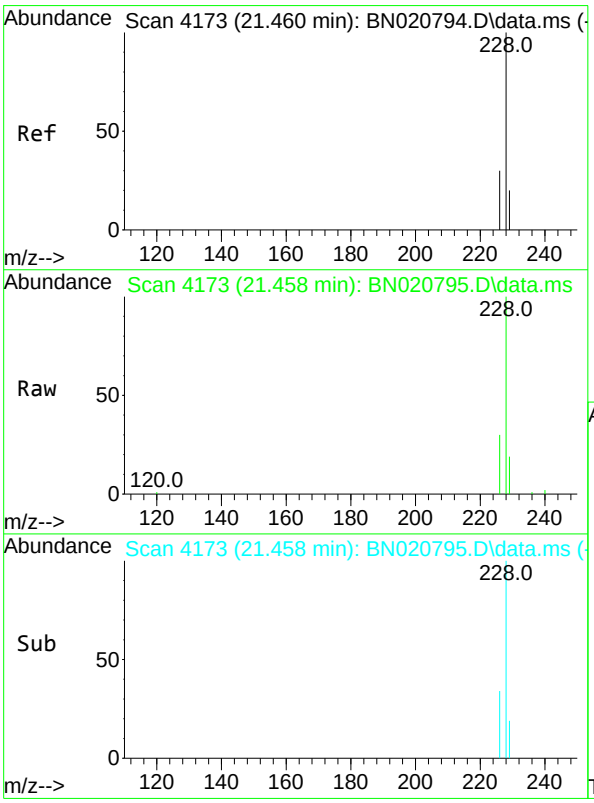
#21
Benzo(a)anthracene
Concen: 0.613 ng/ul
RT: 21.406 min Scan# 4
Delta R.T. -0.010 min
Lab File: BN020795.D
Acq: 20 Jul 2022 04:55

Instrument :
BNA_N
ClientSampleId :
SP5940

Tgt Ion:228 Resp: 20877

Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.9	23.9
226	27.4	22.2	33.2

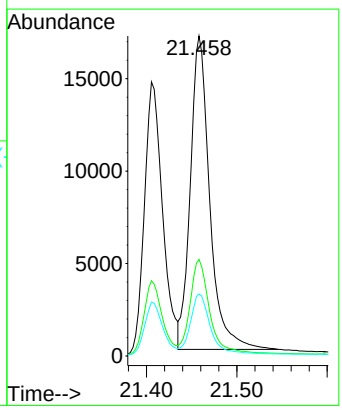


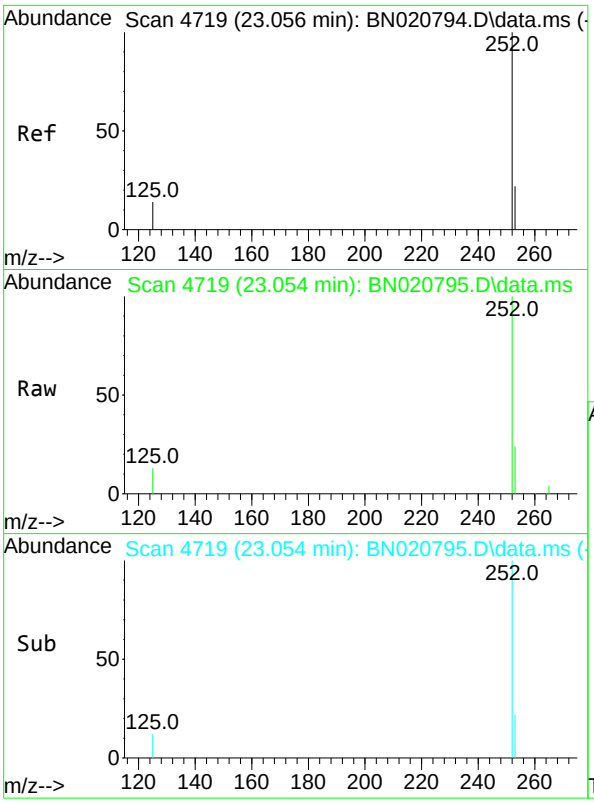


#22
Chrysene
Concen: 0.667 ng/ul
RT: 21.458 min Scan# 4173
Delta R.T. -0.010 min
Lab File: BN020795.D
Acq: 20 Jul 2022 04:55

Tgt Ion:228 Resp: 25267

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.9	35.9
229	19.4	15.8	23.8



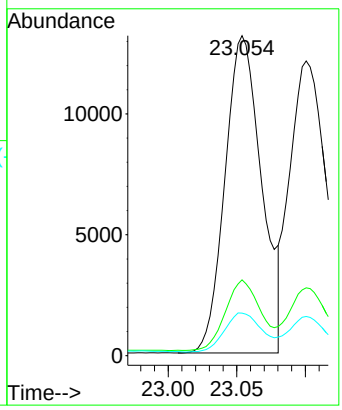


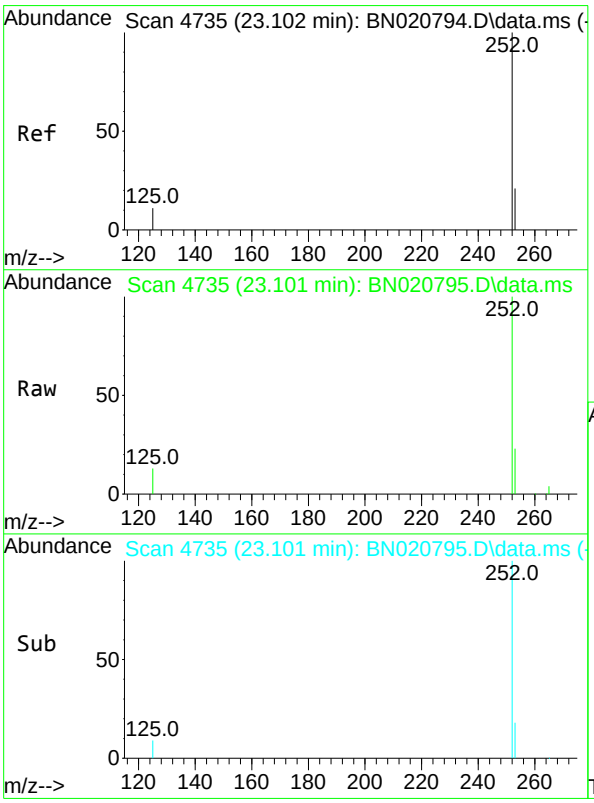
#24
Benzo(b)fluoranthene
Concen: 0.667 ng/ul
RT: 23.054 min Scan# 4
Delta R.T. -0.010 min
Lab File: BN020795.D
Acq: 20 Jul 2022 04:55

Instrument :
BNA_N
ClientSampleId :
SP5940

Tgt Ion:252 Resp: 24443

Ion	Ratio	Lower	Upper
252	100		
253	23.7	0.0	48.6
125	13.3	0.0	34.0

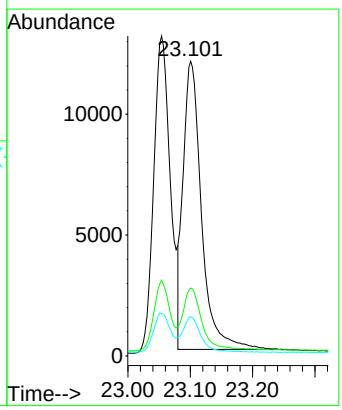


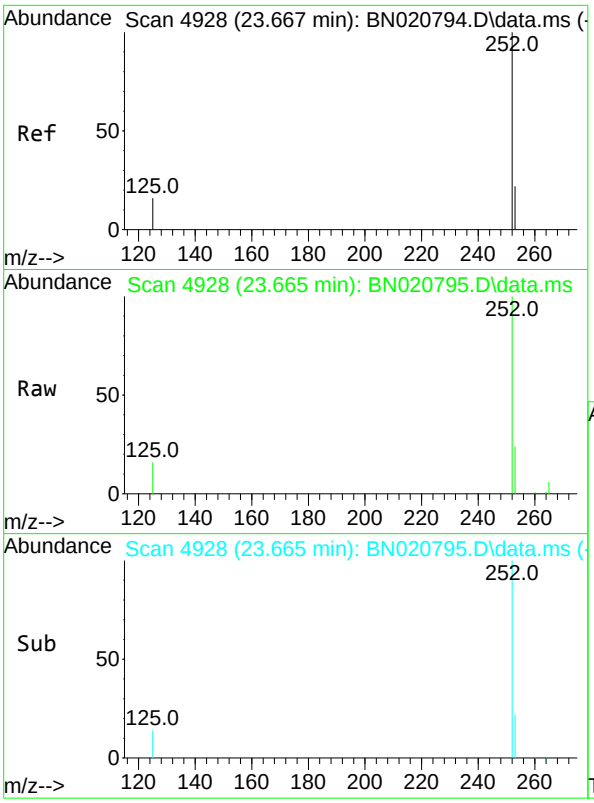


#25
Benzo(k)fluoranthene
Concen: 0.660 ng/ul
RT: 23.101 min Scan# 4735
Delta R.T. -0.013 min
Lab File: BN020795.D
Acq: 20 Jul 2022 04:55

Tgt Ion:252 Resp: 24429

Ion	Ratio	Lower	Upper
252	100		
253	23.0	19.7	29.5
125	13.3	12.0	18.0



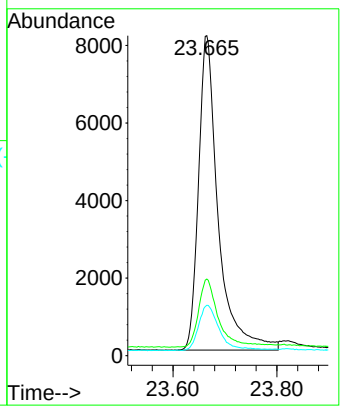


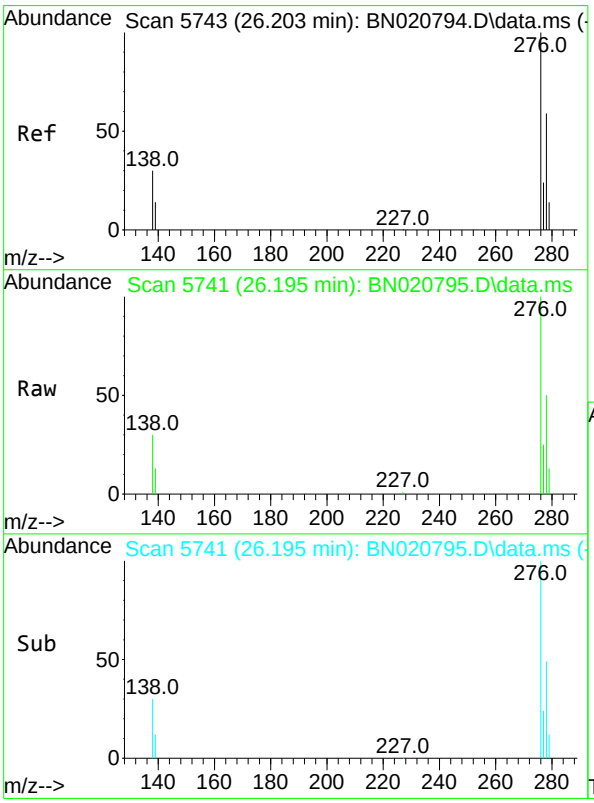
#26
Benzo(a)pyrene
Concen: 0.640 ng/ul
RT: 23.665 min Scan# 4
Delta R.T. -0.010 min
Lab File: BN020795.D
Acq: 20 Jul 2022 04:55

Instrument :
BNA_N
ClientSampleId :
SP5940

Tgt Ion:252 Resp: 21319

Ion	Ratio	Lower	Upper
252	100		
253	24.0	21.0	31.4
125	15.7	18.8	28.2#

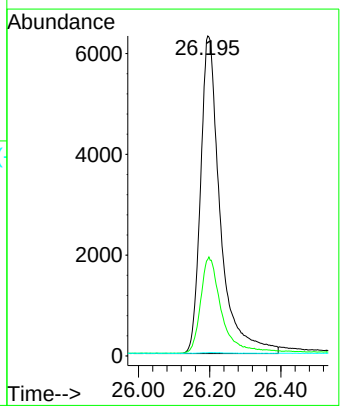


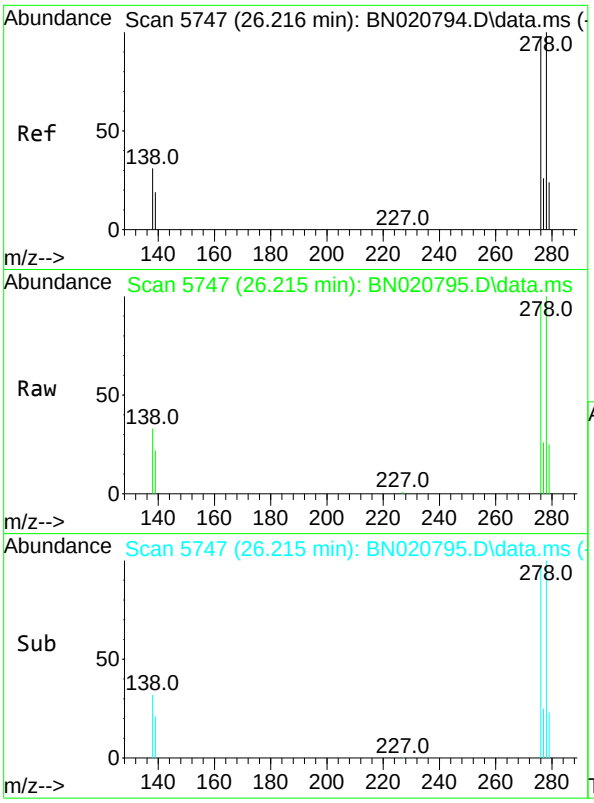


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.730 ng/ul
RT: 26.195 min Scan# 5741
Delta R.T. -0.021 min
Lab File: BN020795.D
Acq: 20 Jul 2022 04:55

Tgt Ion:276 Resp: 24178

Ion	Ratio	Lower	Upper
276	100		
138	32.4	27.4	41.2
227	0.2	0.2	0.2



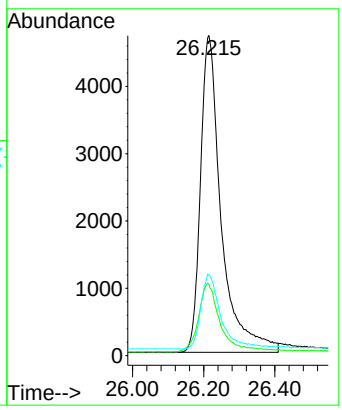


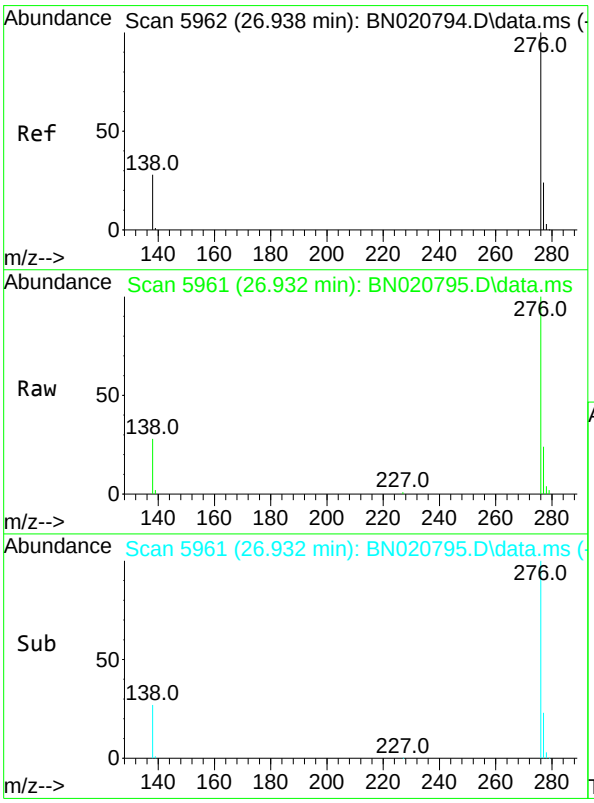
#28
Dibenzo(a,h)anthracene
Concen: 0.713 ng/ul
RT: 26.215 min Scan# 5
Delta R.T. -0.018 min
Lab File: BN020795.D
Acq: 20 Jul 2022 04:55

Instrument :
BNA_N
ClientSampleId :
SP5940

Tgt Ion:278 Resp: 19078

Ion	Ratio	Lower	Upper
278	100		
139	22.4	18.8	28.2
279	25.2	21.4	32.0





#29
Benzo(g,h,i)perylene
Concen: 0.762 ng/ul
RT: 26.932 min Scan# 5961
Delta R.T. -0.018 min
Lab File: BN020795.D
Acq: 20 Jul 2022 04:55

Tgt Ion:276 Resp: 21682

Ion	Ratio	Lower	Upper
276	100		
138	28.0	23.5	35.3
277	24.0	20.1	30.1