Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051421\
Data File : BN014635.D
Acq On : 14 May 2021 22:00
Operator : CG/JU
Sample : M2197-14MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : YARH8MSD

Quant Time: May 14 23:29:49 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 14 15:50:11 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	407	0.40	ng/ul	0.00
4) Naphthalene-d8	10.51	136	1317	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.37	164	979	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.13	188	2502	0.40	ng/ul	0.00
17) Chrysene-d12	21.32	240	3129	0.40	ng/ul	0.00
23) Perylene-d12	23.58	264	2805	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.25	96	1565	3.75	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.11	152	826	0.36	ng/ul	0.00
18) Fluoranthene-d10	19.16	212	3492	0.44	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.29	88	248	0.568	ng/ul	97
5) Naphthalene	10.56	128	1437	0.376	ng/ul	96
7) 2-Methylnaphthalene	12.18	142	999	0.363	ng/ul	98
8) 1-Methylnaphthalene	12.41	142	998	0.375	ng/ul	100
10) Acenaphthylene	14.09	152	1308	0.369	ng/ul	98
11) Acenaphthene	14.44	153	1246	0.370	ng/ul	98
12) Fluorene	15.43	166	1541	0.372	ng/ul	99
14) Pentachlorophenol	16.78	266	358	1.017	ng/ul	91
15) Phenanthrene	17.17	178	3108	0.399	ng/ul	98
16) Anthracene	17.26	178	2528	0.417	ng/ul	99
19) Fluoranthene	19.19	202	4270	0.439	ng/ul	99
20) Pyrene	19.55	202	4512	0.458	ng/ul	98
21) Benzo(a)anthracene	21.31	228	4482	0.453	ng/ul	100
22) Chrysene	21.35	228	5000	0.442	ng/ul	100
24) Benzo(b)fluoranthene	22.90	252	5001	0.406	ng/ul	98
25) Benzo(k)fluoranthene	22.95	252	5429	0.418	ng/ul	99
26) Benzo(a)pyrene	23.49	252	4245	0.451	ng/ul#	96
27) Indeno(1,2,3-cd)pyrene	25.87	276	5869	0.438	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.89	278	4803	0.447	ng/ul	99
29) Benzo(g,h,i)perylene	26.57	276	4783	0.418	ng/ul	96

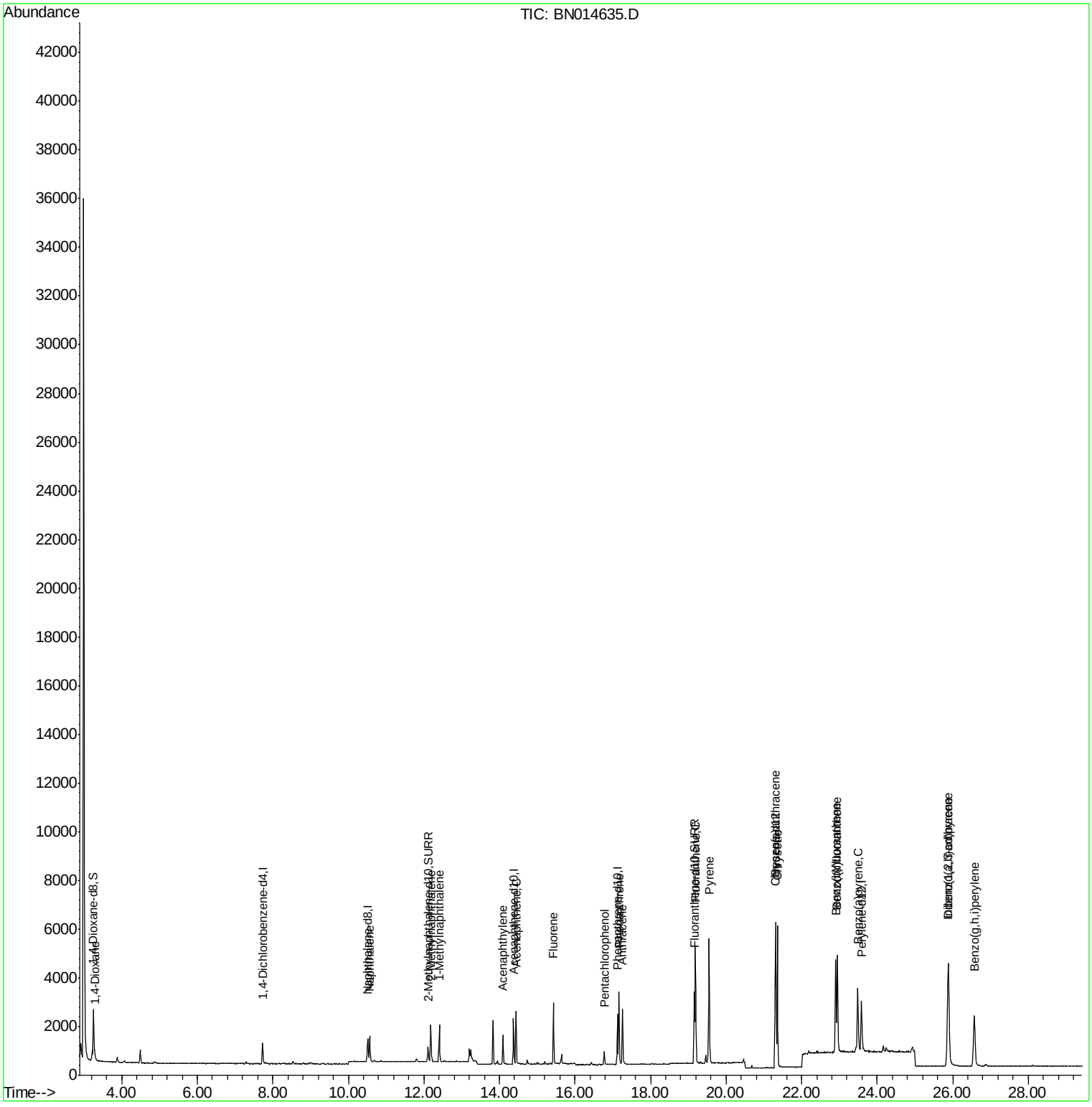
(#) = qualifier out of range (m) = manual integration (+) = signals summed

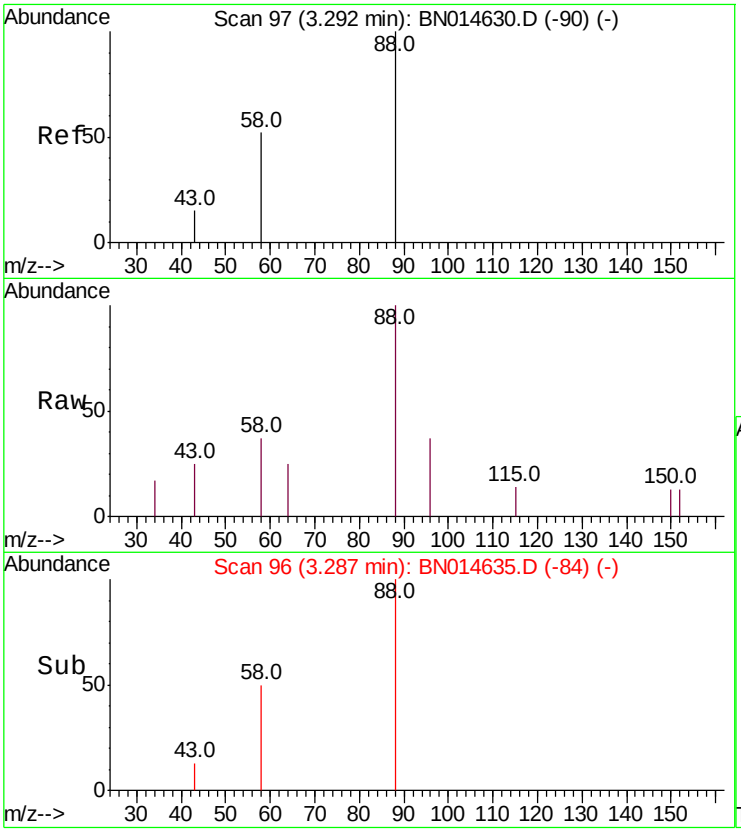
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051421\
Data File : BN014635.D
Acq On : 14 May 2021 22:00
Operator : CG/JU
Sample : M2197-14MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : YARH8MSD

Quant Time: May 14 23:29:49 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 14 15:50:11 2021
Response via : Initial Calibration



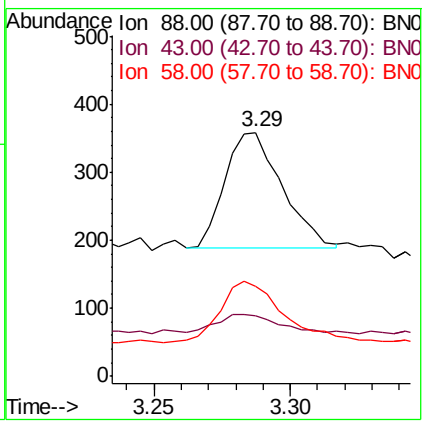


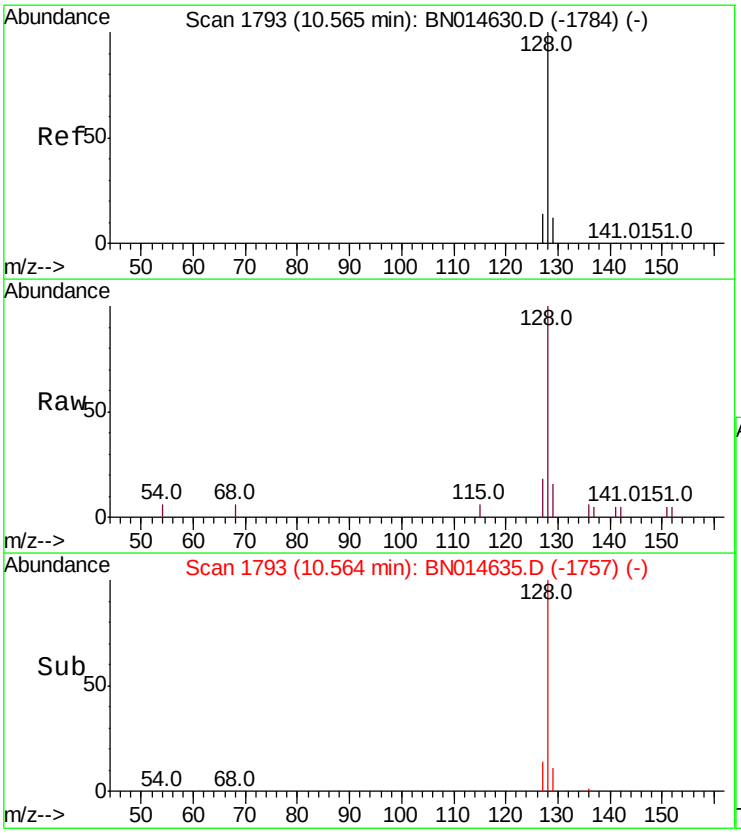
#2
1,4-Dioxane
Concen: 0.568 ng/ul
RT: 3.29 min Scan# 96
Delta R.T. -0.00 min
Lab File: BN014635.D
Acq: 14 May 2021 22:00

Instrument :
BNA_N
ClientSampleId :
YARH8MSD

Tgt Ion: 88 Resp: 248

Ion	Ratio	Lower	Upper
88	100		
43	24.9	22.5	33.7
58	37.2	30.4	45.6

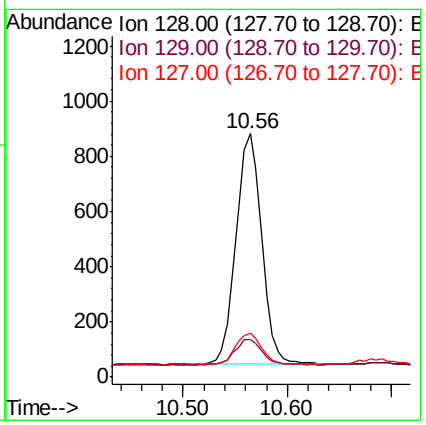


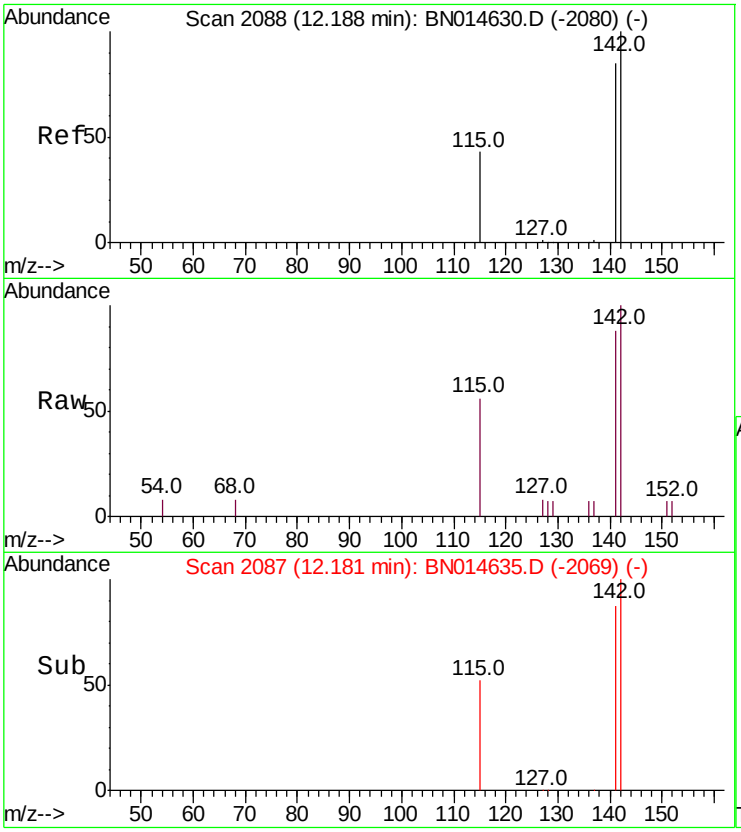


#5
Naphthalene
Concen: 0.376 ng/ul
RT: 10.56 min Scan# 1793
Delta R.T. -0.00 min
Lab File: BN014635.D
Acq: 14 May 2021 22:00

Tgt Ion:128 Resp: 1437

Ion	Ratio	Lower	Upper
128	100		
129	15.6	10.9	16.3
127	18.0	15.7	23.5



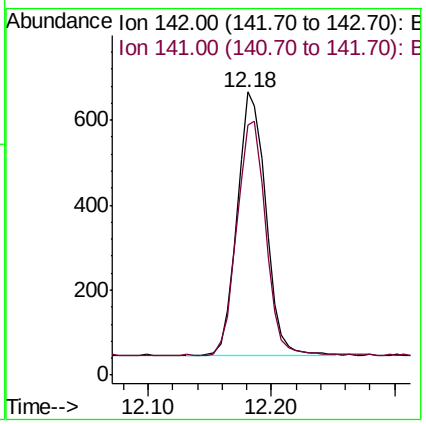


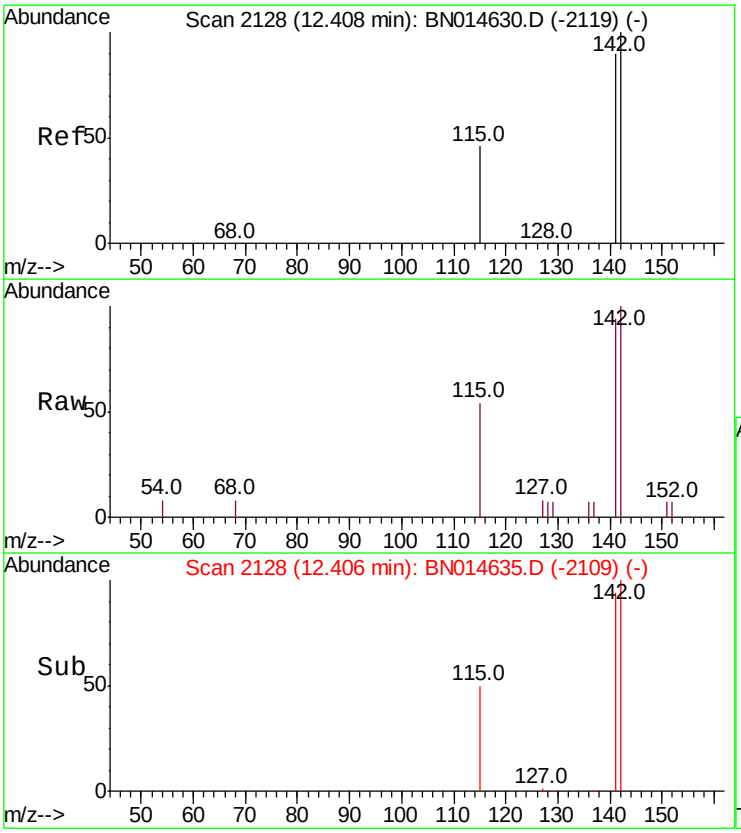
#7
2-Methylnaphthalene
Concen: 0.363 ng/ul
RT: 12.18 min Scan# 2087
Delta R.T. -0.00 min
Lab File: BN014635.D
Acq: 14 May 2021 22:00

Instrument :
BNA_N
ClientSampleId :
YARH8MSD

Tgt Ion:142 Resp: 999

Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.2	105.2

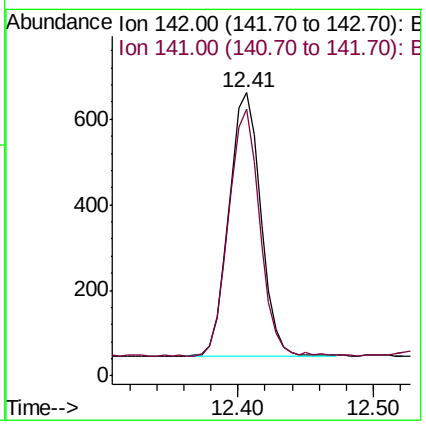


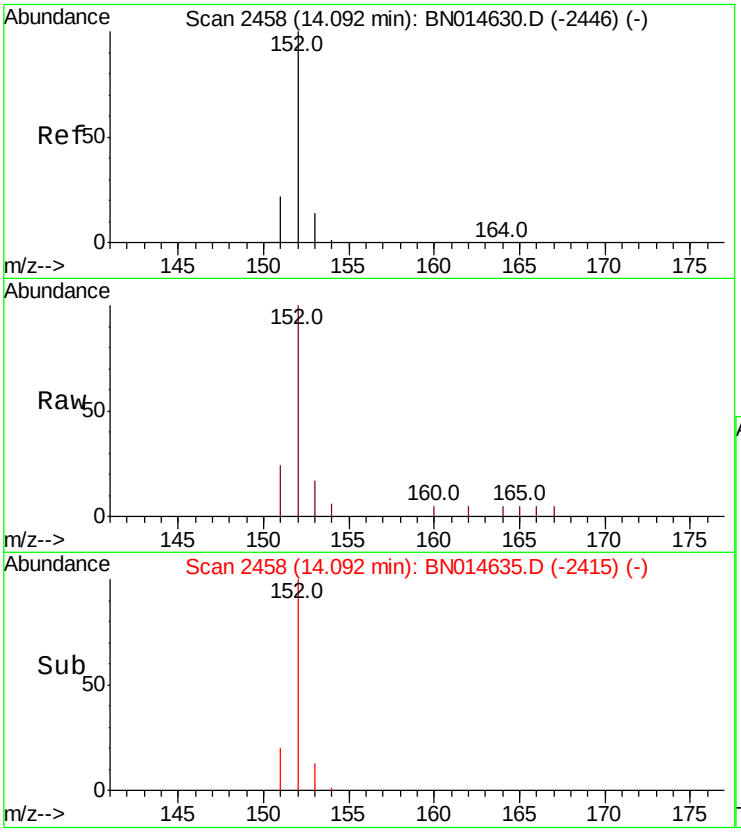


#8
1-Methylnaphthalene
Concen: 0.375 ng/ul
RT: 12.41 min Scan# 2128
Delta R.T. 0.00 min
Lab File: BN014635.D
Acq: 14 May 2021 22:00

Tgt Ion:142 Resp: 998

Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.9	110.9



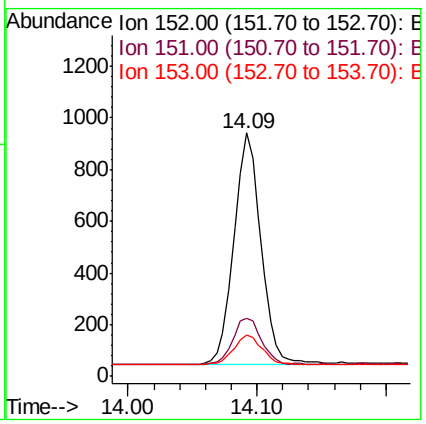


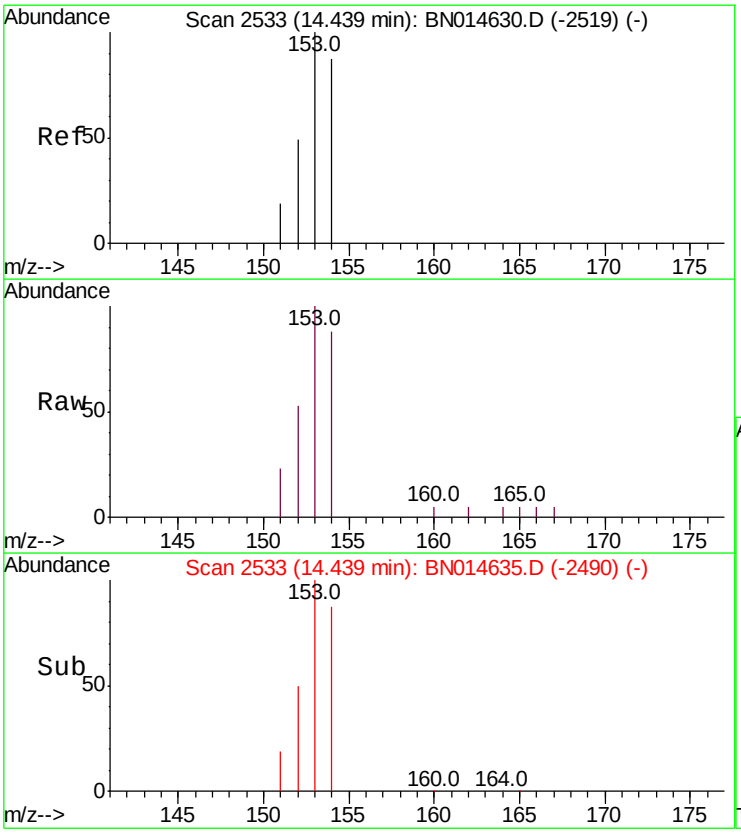
#10
Acenaphthylene
Concen: 0.369 ng/ul
RT: 14.09 min Scan# 2458
Delta R.T. -0.00 min
Lab File: BN014635.D
Acq: 14 May 2021 22:00

Instrument :
BNA_N
ClientSampleId :
YARH8MSD

Tgt Ion:152 Resp: 1308

Ion	Ratio	Lower	Upper
152	100		
151	24.0	20.2	30.4
153	17.1	14.2	21.4

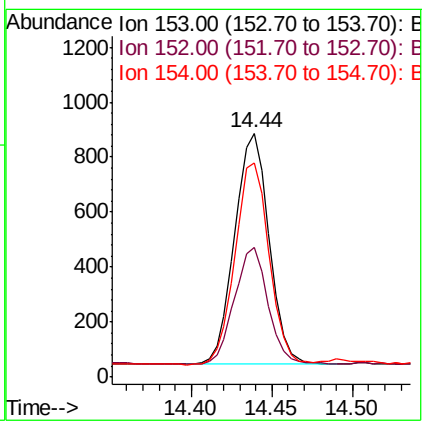


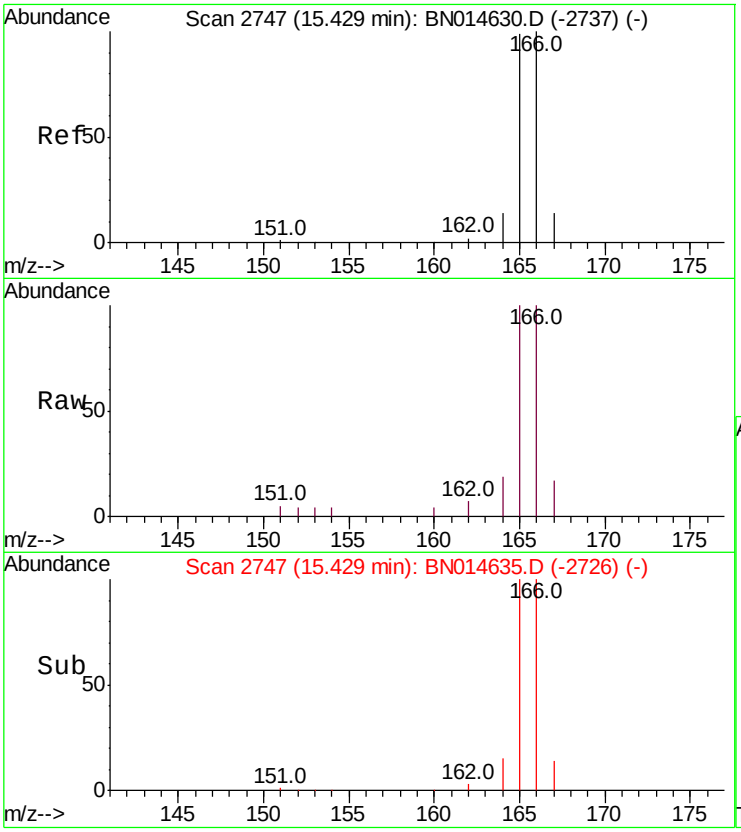


#11
Acenaphthene
Concen: 0.370 ng/ul
RT: 14.44 min Scan# 2533
Delta R.T. -0.00 min
Lab File: BN014635.D
Acq: 14 May 2021 22:00

Tgt Ion:153 Resp: 1246

Ion	Ratio	Lower	Upper
153	100		
152	53.3	39.7	59.5
154	87.9	71.0	106.4



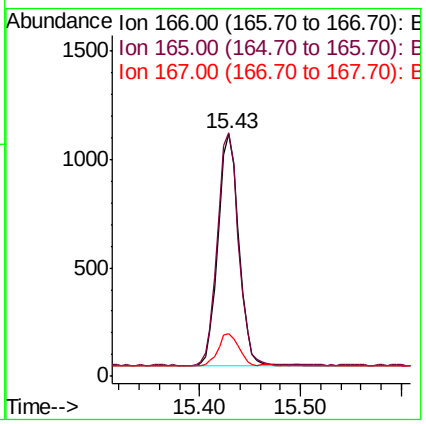


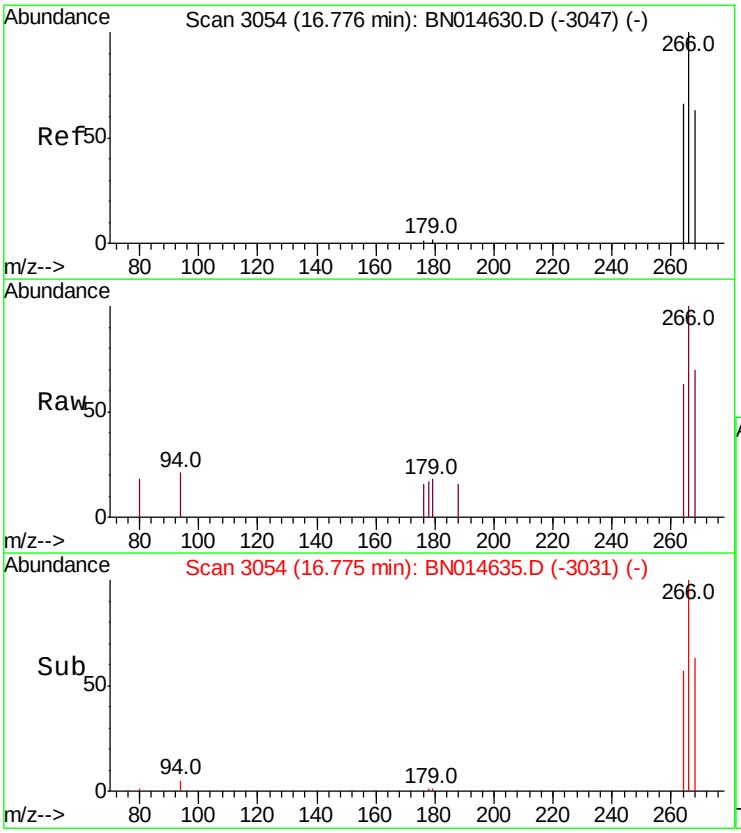
#12
Fluorene
Concen: 0.372 ng/ul
RT: 15.43 min Scan# 2747
Delta R.T. -0.00 min
Lab File: BN014635.D
Acq: 14 May 2021 22:00

Instrument :
BNA_N
ClientSampleId :
YARH8MSD

Tgt Ion:166 Resp: 1541

Ion	Ratio	Lower	Upper
166	100		
165	100.3	79.3	118.9
167	17.5	13.8	20.6

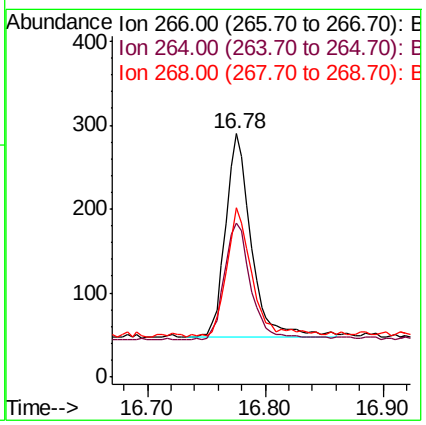


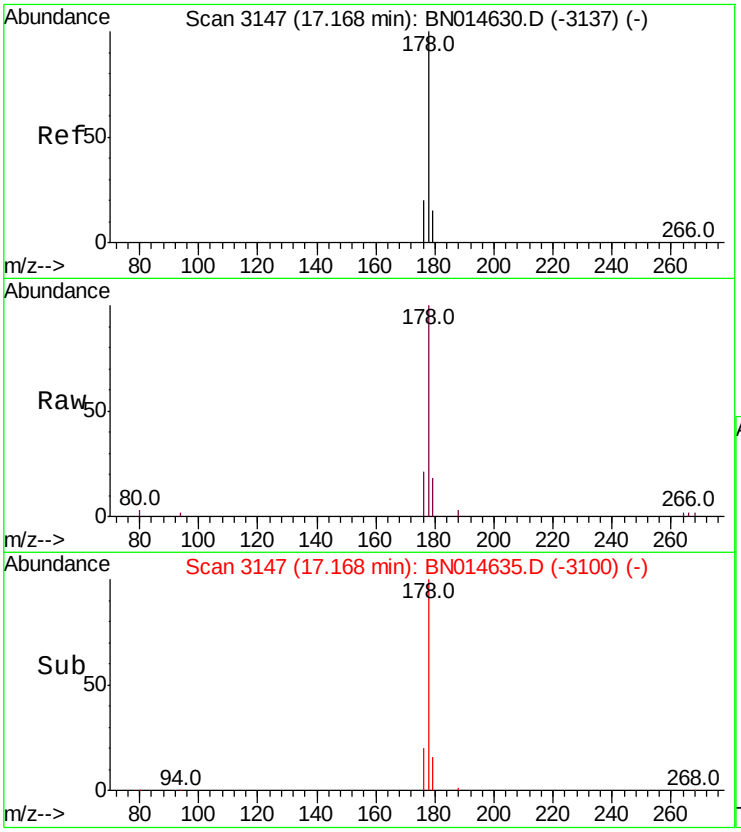


#14
Pentachlorophenol
Concen: 1.017 ng/ul
RT: 16.78 min Scan# 3054
Delta R.T. -0.00 min
Lab File: BN014635.D
Acq: 14 May 2021 22:00

Tgt Ion:266 Resp: 358

Ion	Ratio	Lower	Upper
266	100		
264	61.5	52.9	79.3
268	64.2	59.4	89.0



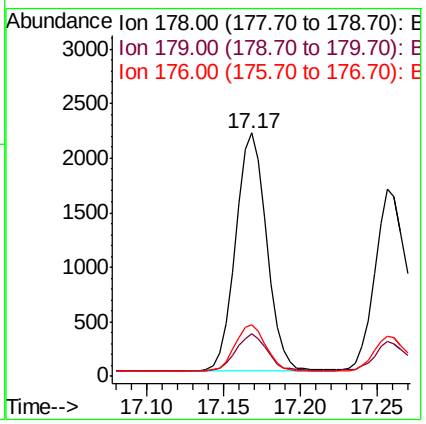


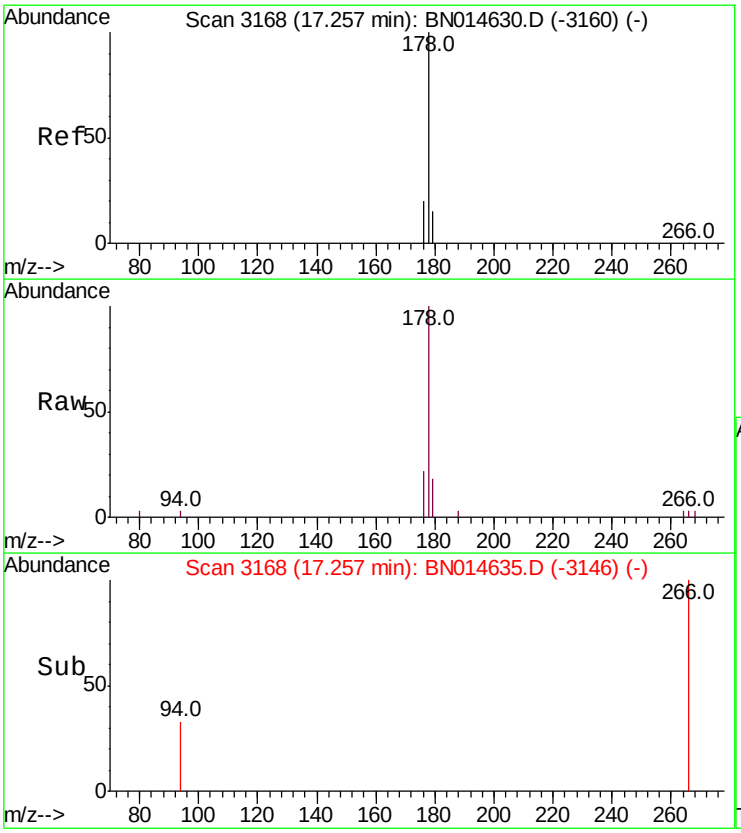
#15
Phenanthrene
Concen: 0.399 ng/ul
RT: 17.17 min Scan# 3147
Delta R.T. -0.00 min
Lab File: BN014635.D
Acq: 14 May 2021 22:00

Instrument :
BNA_N
ClientSampleId :
YARH8MSD

Tgt Ion:178 Resp: 3108

Ion	Ratio	Lower	Upper
178	100		
179	17.7	13.8	20.6
176	21.5	16.2	24.4

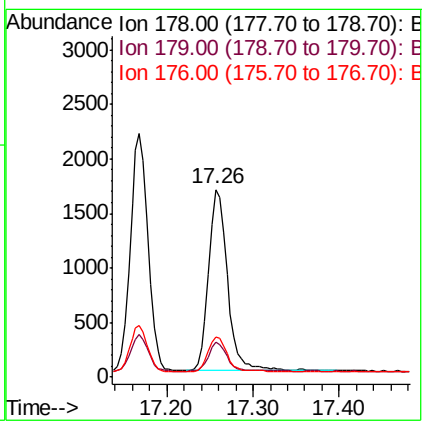


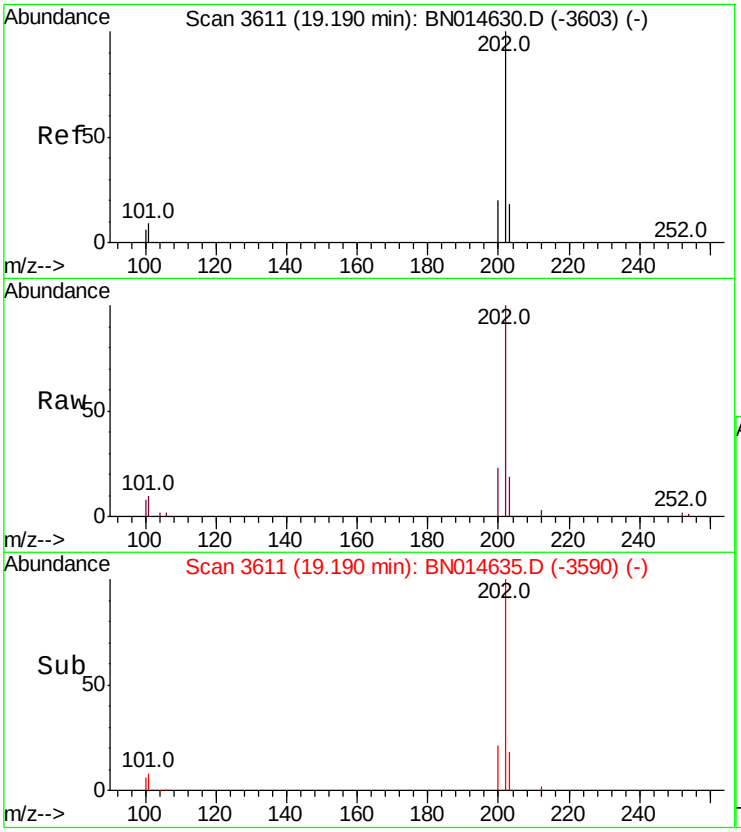


#16
Anthracene
Concen: 0.417 ng/ul
RT: 17.26 min Scan# 3168
Delta R.T. -0.01 min
Lab File: BN014635.D
Acq: 14 May 2021 22:00

Tgt Ion:178 Resp: 2528

Ion	Ratio	Lower	Upper
178	100		
179	18.5	14.3	21.5
176	21.6	17.1	25.7



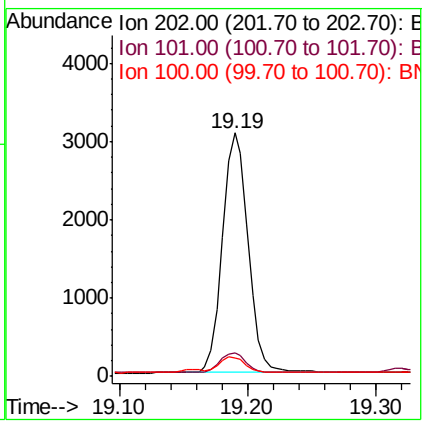


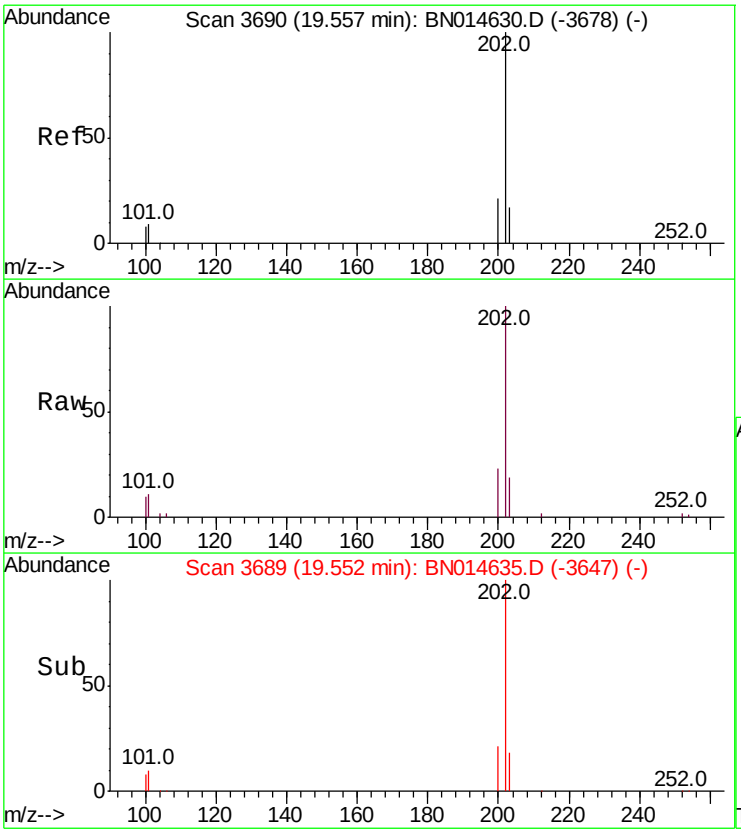
#19
Fluoranthene
Concen: 0.439 ng/ul
RT: 19.19 min Scan# 3611
Delta R.T. -0.00 min
Lab File: BN014635.D
Acq: 14 May 2021 22:00

Instrument :
BNA_N
ClientSampleId :
YARH8MSD

Tgt Ion:202 Resp: 4270

Ion	Ratio	Lower	Upper
202	100		
101	9.8	7.6	11.4
100	7.7	5.9	8.9

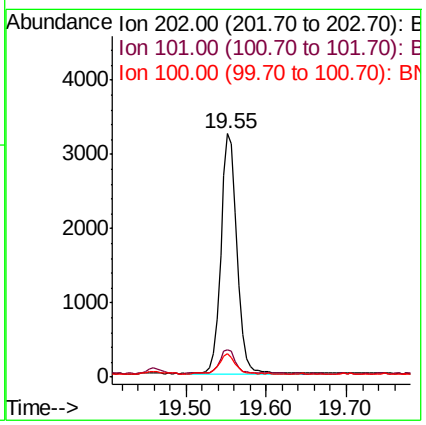


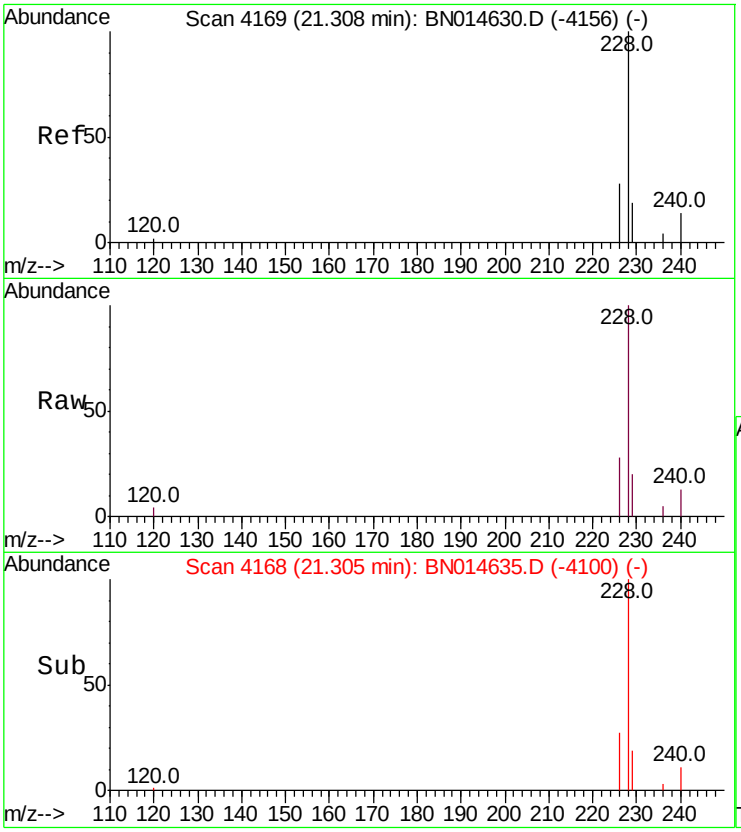


#20
Pyrene
Concen: 0.458 ng/ul
RT: 19.55 min Scan# 3689
Delta R.T. -0.01 min
Lab File: BN014635.D
Acq: 14 May 2021 22:00

Tgt Ion:202 Resp: 4512

Ion	Ratio	Lower	Upper
202	100		
101	11.5	8.5	12.7
100	9.6	7.4	11.2



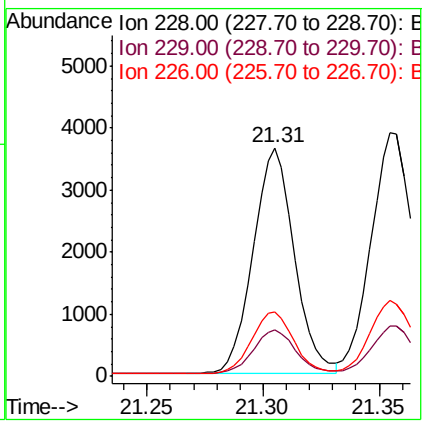


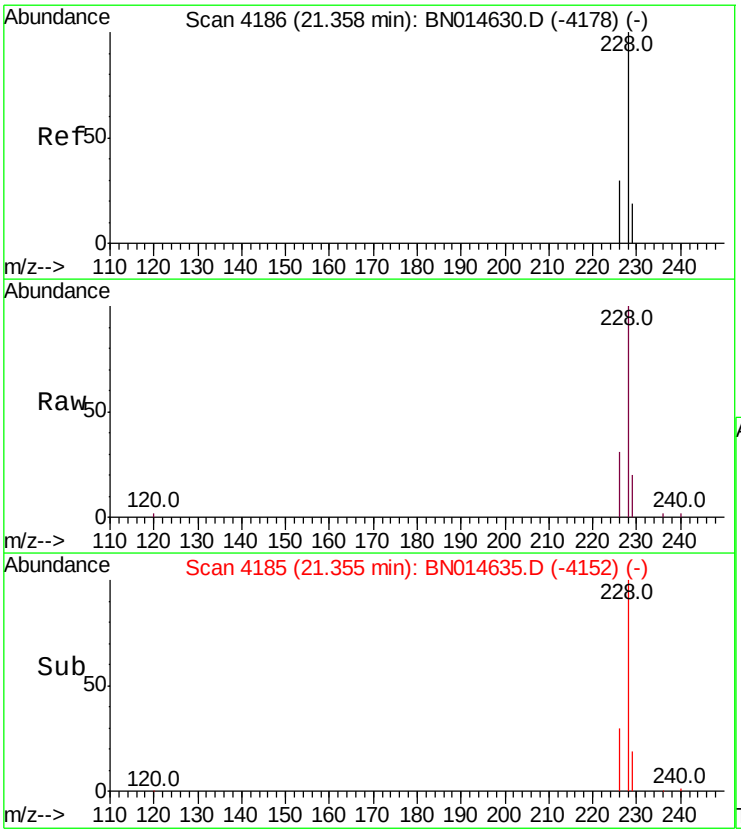
#21
Benzo(a)anthracene
Concen: 0.453 ng/ul
RT: 21.31 min Scan# 4168
Delta R.T. -0.00 min
Lab File: BN014635.D
Acq: 14 May 2021 22:00

Instrument :
BNA_N
ClientSampleId :
YARH8MSD

Tgt Ion:228 Resp: 4482

Ion	Ratio	Lower	Upper
228	100		
229	20.1	16.3	24.5
226	28.1	22.6	33.8

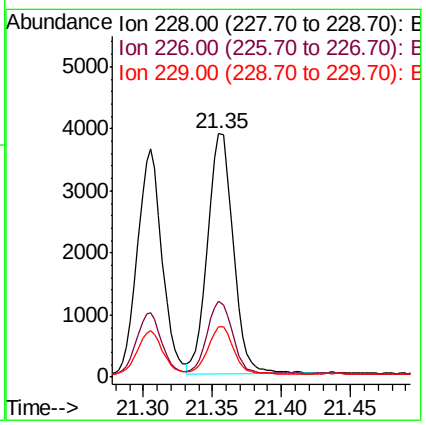


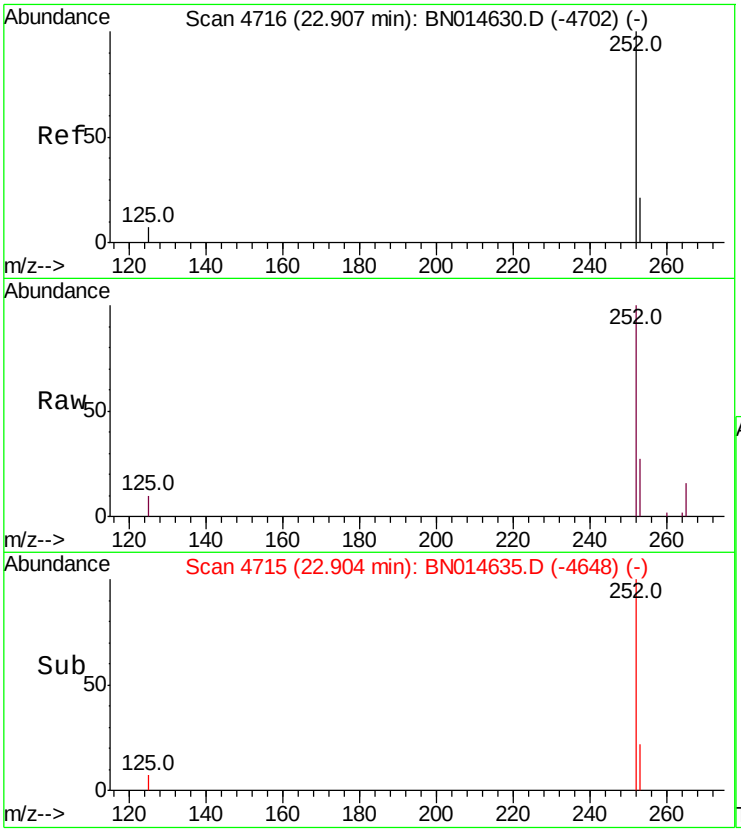


#22
Chrysene
Concen: 0.442 ng/ul
RT: 21.35 min Scan# 4185
Delta R.T. -0.00 min
Lab File: BN014635.D
Acq: 14 May 2021 22:00

Tgt Ion:228 Resp: 5000

Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.3	37.9
229	20.4	16.2	24.4



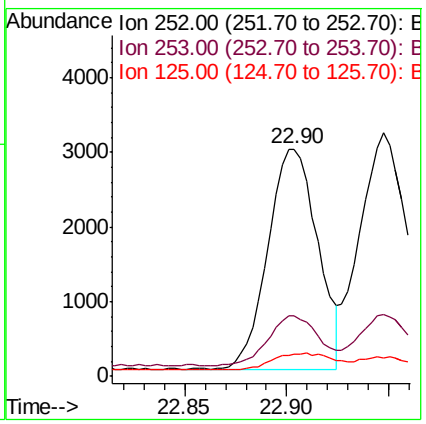


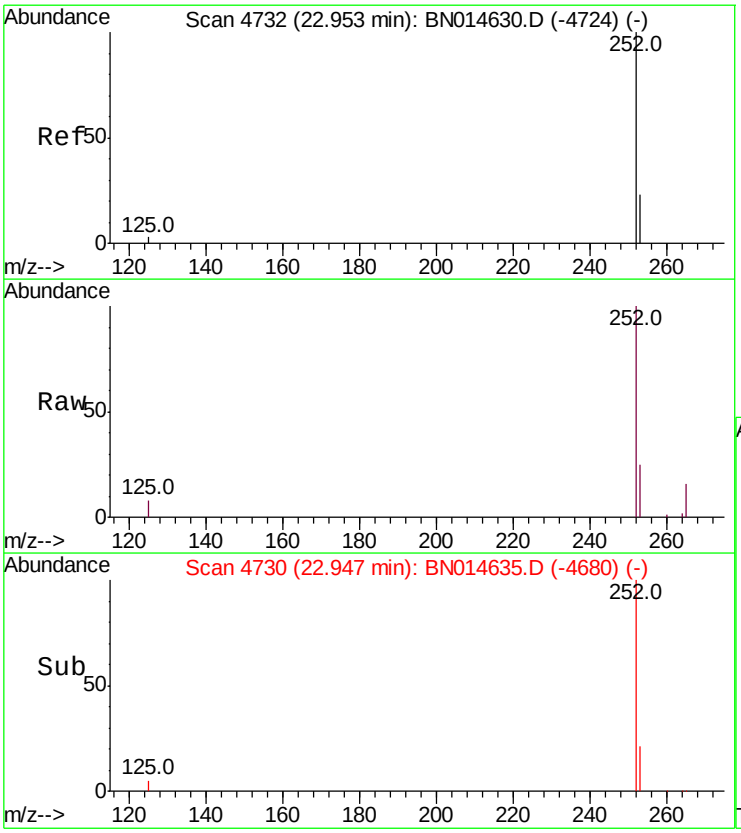
#24
Benzo(b)fluoranthene
Concen: 0.406 ng/ul
RT: 22.90 min Scan# 4715
Delta R.T. -0.00 min
Lab File: BN014635.D
Acq: 14 May 2021 22:00

Instrument :
BNA_N
ClientSampleId :
YARH8MSD

Tgt Ion:252 Resp: 5001

Ion	Ratio	Lower	Upper
252	100		
253	26.6	0.0	50.2
125	10.0	0.0	19.4

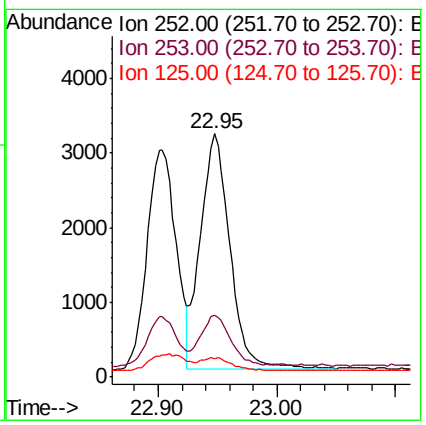


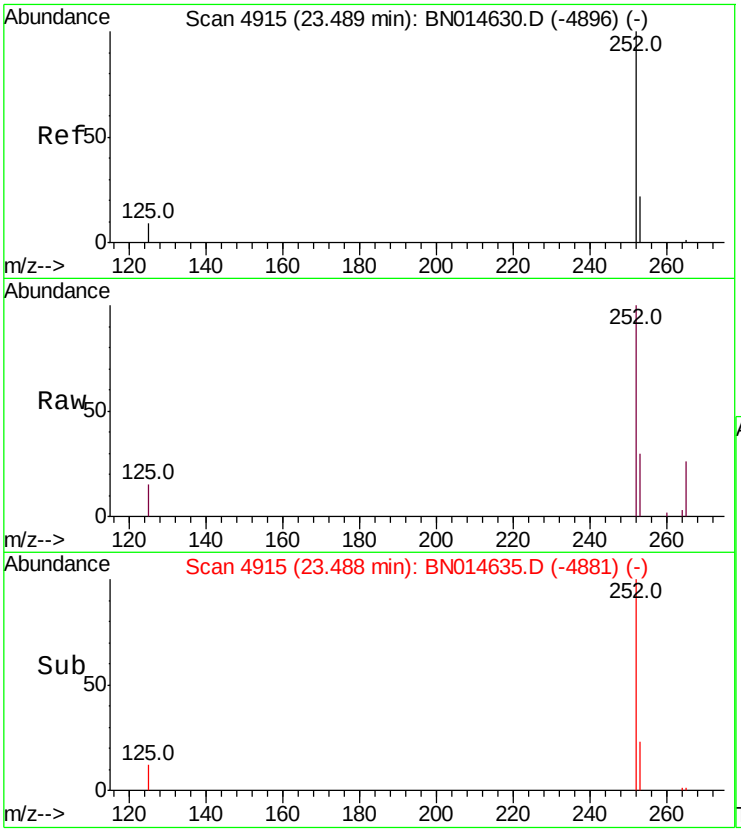


#25
Benzo(k)fluoranthene
Concen: 0.418 ng/ul
RT: 22.95 min Scan# 4730
Delta R.T. -0.00 min
Lab File: BN014635.D
Acq: 14 May 2021 22:00

Tgt Ion:252 Resp: 5429

Ion	Ratio	Lower	Upper
252	100		
253	25.3	20.5	30.7
125	7.6	6.9	10.3



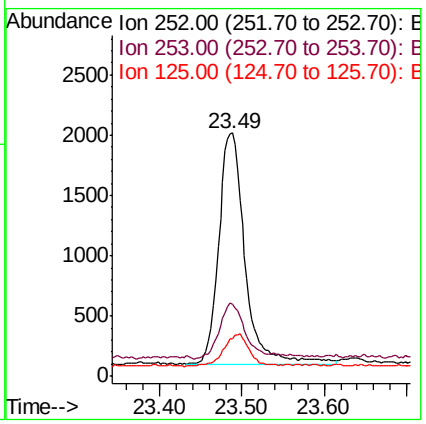


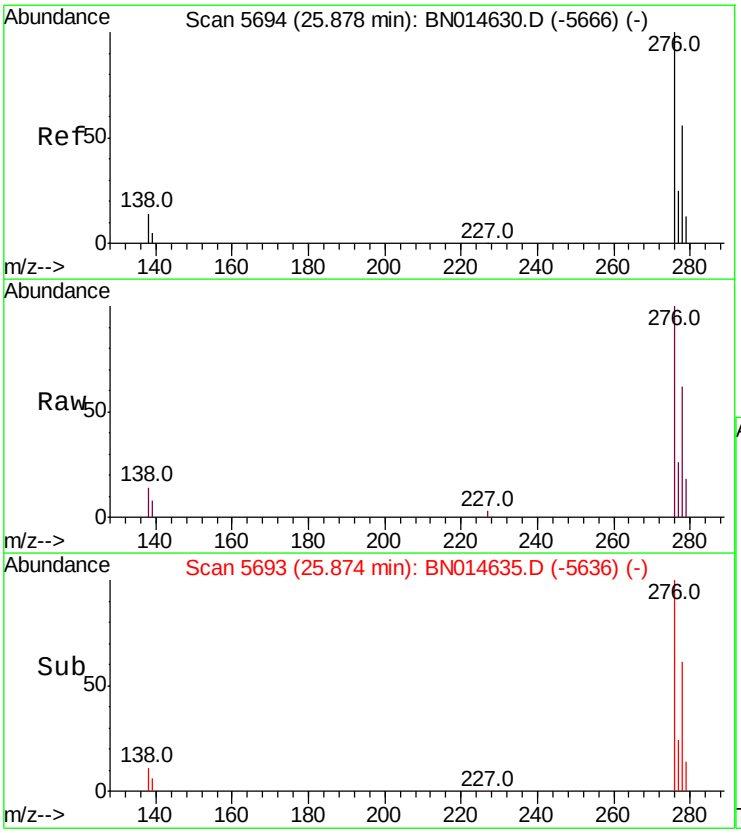
#26
Benzo(a)pyrene
Concen: 0.451 ng/ul
RT: 23.49 min Scan# 4915
Delta R.T. -0.00 min
Lab File: BN014635.D
Acq: 14 May 2021 22:00

Instrument :
BNA_N
ClientSampleId :
YARH8MSD

Tgt Ion:252 Resp: 4245

Ion	Ratio	Lower	Upper
252	100		
253	29.8	23.0	34.6
125	15.5	9.5	14.3#

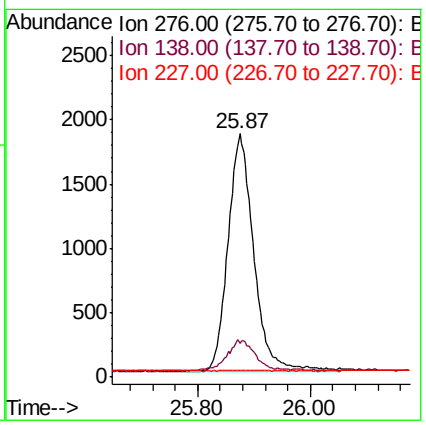


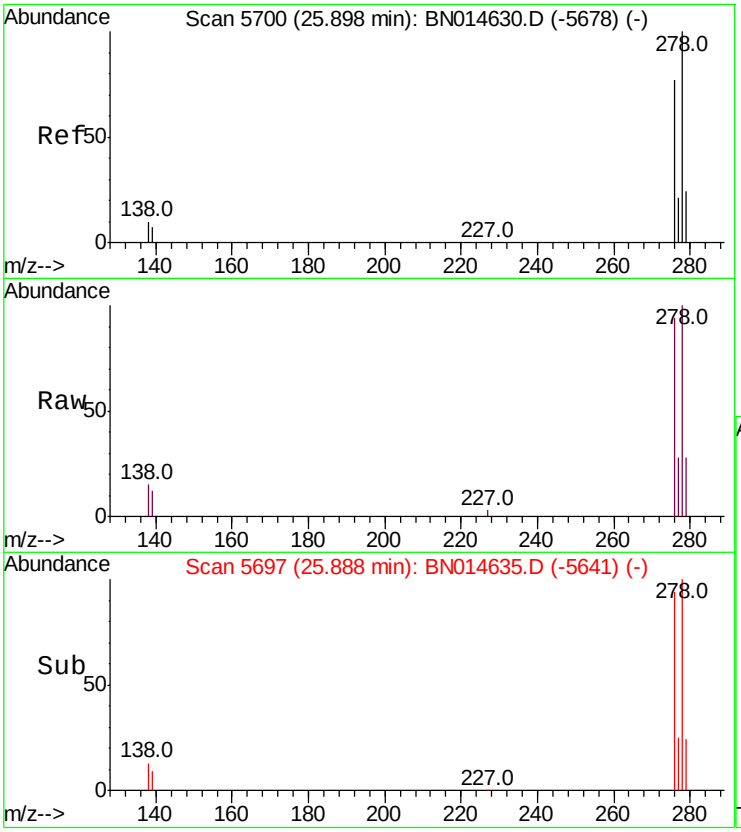


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.438 ng/ul
RT: 25.87 min Scan# 5693
Delta R.T. -0.01 min
Lab File: BN014635.D
Acq: 14 May 2021 22:00

Tgt Ion:276 Resp: 5869

Ion	Ratio	Lower	Upper
276	100		
138	14.0	10.9	16.3
227	0.1	0.1	0.1#



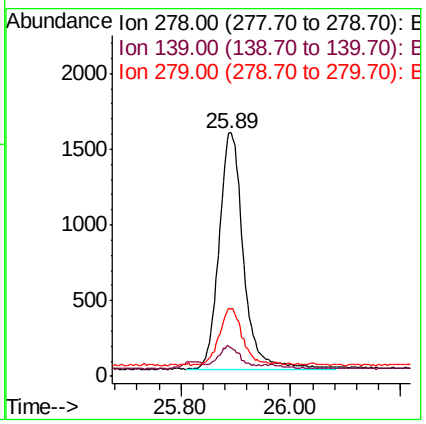


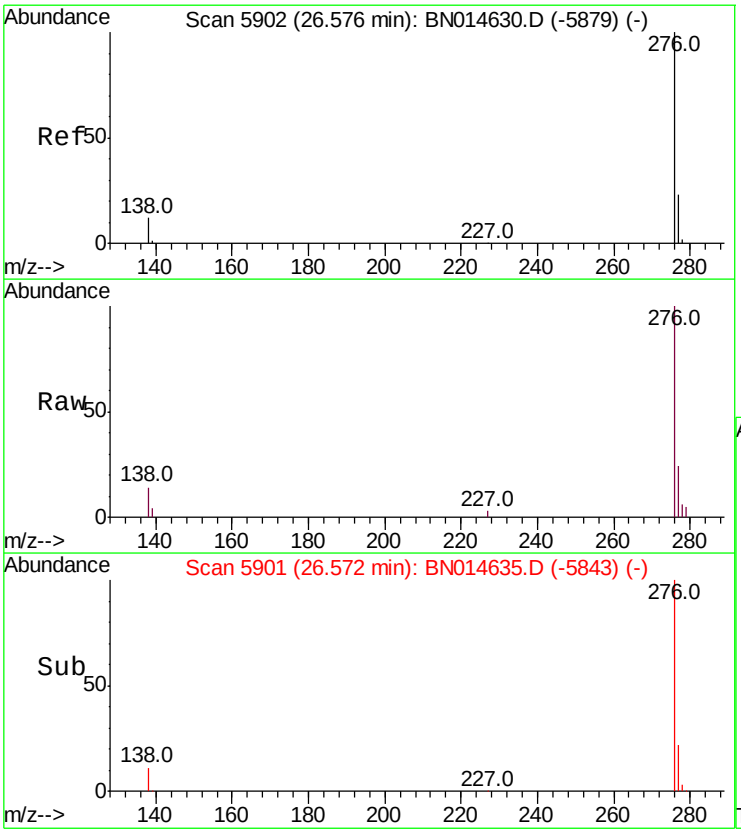
#28
Dibenzo(a,h)anthracene
Concen: 0.447 ng/ul
RT: 25.89 min Scan# 5697
Delta R.T. -0.01 min
Lab File: BN014635.D
Acq: 14 May 2021 22:00

Instrument :
BNA_N
ClientSampleId :
YARH8MSD

Tgt Ion:278 Resp: 4803

Ion	Ratio	Lower	Upper
278	100		
139	12.3	10.6	16.0
279	27.8	22.6	34.0





#29
Benzo(g,h,i)perylene
Concen: 0.418 ng/ul
RT: 26.57 min Scan# 5901
Delta R.T. -0.00 min
Lab File: BN014635.D
Acq: 14 May 2021 22:00

Tgt Ion:276 Resp: 4783

Ion	Ratio	Lower	Upper
276	100		
138	13.7	11.5	17.3
277	24.2	21.4	32.2