Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070318\
Data File : BN001955.D
Acq On : 03 Jul 2018 22:00
Operator : JU/SJ
Sample : J3721-18 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Jul 04 01:04:48 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 04 00:59:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	738299	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	3244537	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	1754706	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	3308084	20.00	ng/ul	0.00
75) Chrysene-d12	21.29	240	2177762	20.00	ng/ul	0.00
83) Perylene-d12	23.52	264	2298899	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.28	96	14339	0.84	ng/uL	0.00
5) Phenol-d5	6.88	99	331448	4.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	216637	5.25	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	278094	5.25	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	254828	4.76	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	133010	5.52	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	144372	5.79	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	274379	5.15	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	162652	2.95	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	797936	5.39	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	1010602	5.52	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	84831	3.11	ng/ul	0.00
57) Fluorene-d10	15.33	176	690582	5.32	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	70203	3.90	ng/ul	0.00
70) Anthracene-d10	17.18	188	909715	5.69	ng/ul	0.00
76) Pyrene-d10	19.48	212	762386	6.94	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.38	264	690030	5.52	ng/ul	0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
44) Dimethylphthalate	13.80	163	324813	2.230	ng/ul	98
47) Acenaphthylene	14.06	152	827375	4.686	ng/ul	99
69) Phenanthrene	17.13	178	1787049	9.590	ng/ul	100
71) Anthracene	17.22	178	2981988	15.809	ng/ul	98
72) Carbazole	17.49	167	1351232	8.551	ng/ul	98
74) Fluoranthene	19.15	202	11071988	56.524	ng/ul#	87
77) Pyrene	19.52	202	11015793	80.830	ng/ul#	84
80) Benzo(a)anthracene	21.27	228	4395645	31.937	ng/ul	95
82) Chrysene	21.32	228	6782977	52.967	ng/ul	97
85) Benzo(b)fluoranthene	22.86	252	11376327	78.351	ng/ul#	93
86) Benzo(k)fluoranthene	22.86	252	11376327	80.798	ng/ul#	93
88) Benzo(a)pyrene	23.43	252	5158180	38.016	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	25.76	276	3993216	27.658	ng/ul#	91
90) Dibenzo(a,h)anthracene	25.76	278	1046631	8.710	ng/ul#	87
91) Benzo(g,h,i)perylene	26.44	276	2883984	24.215	ng/ul#	91

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

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QLast Update : Wed Jul 04 00:59:54 2018
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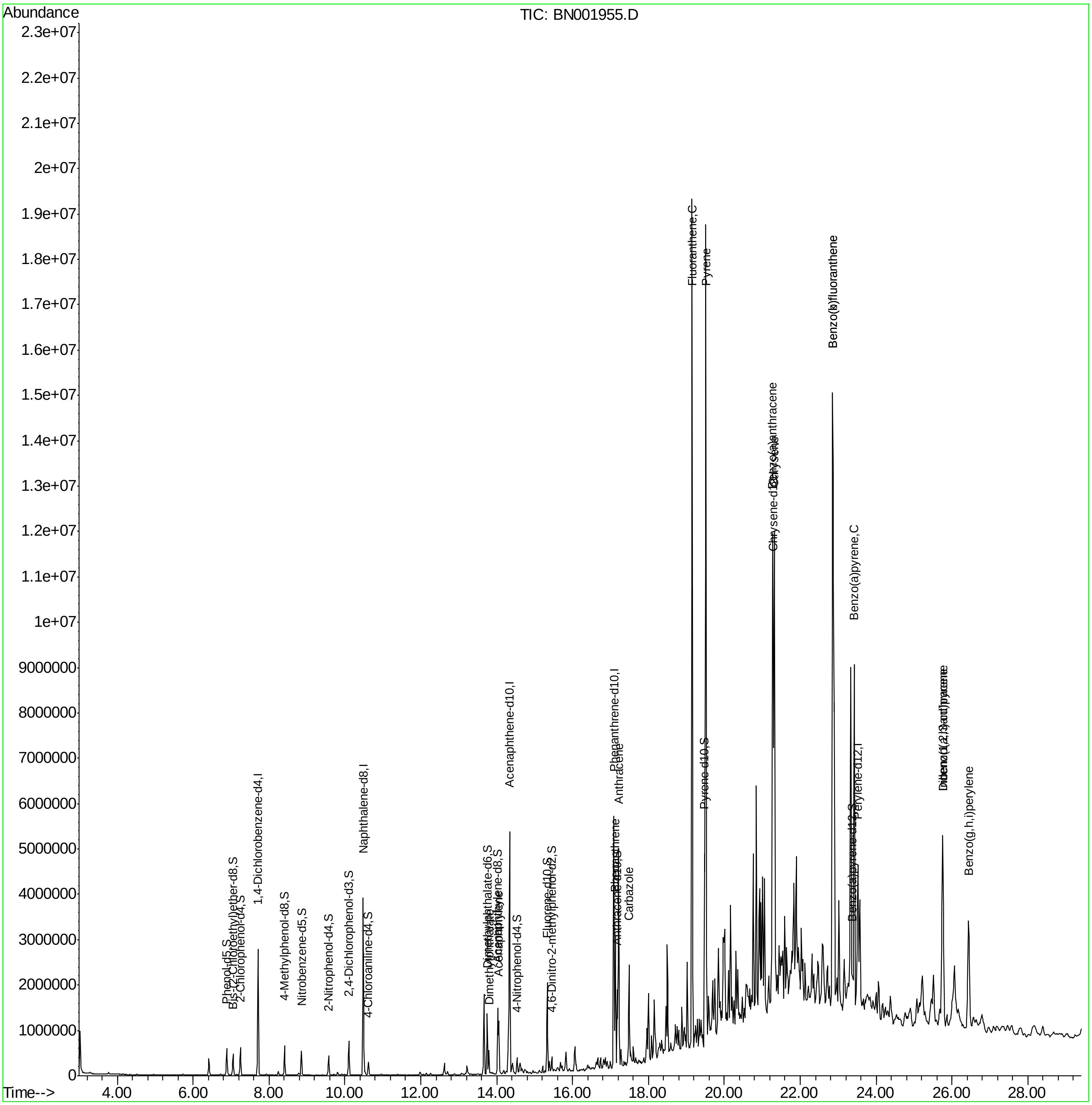
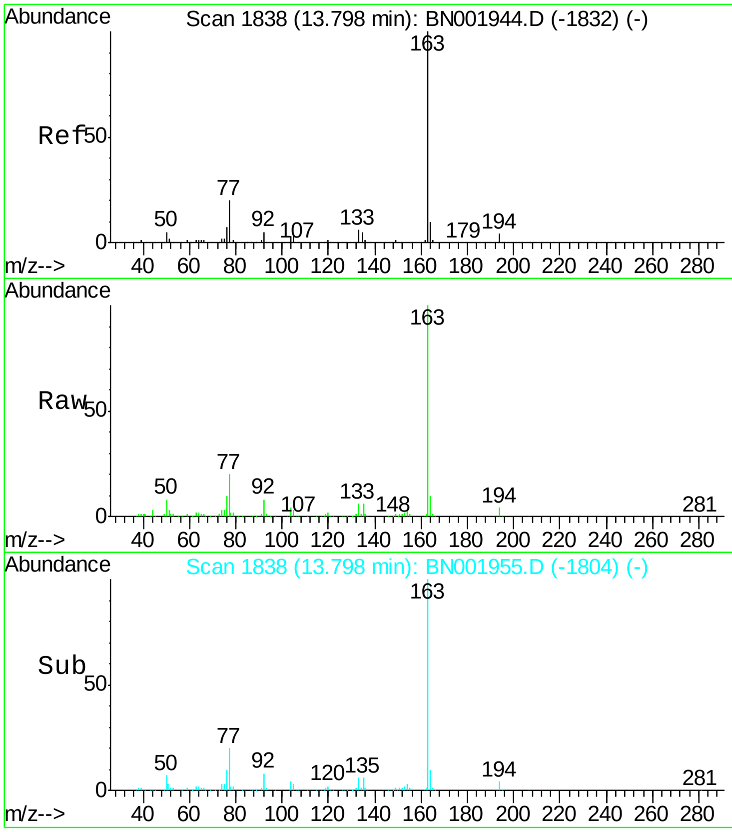


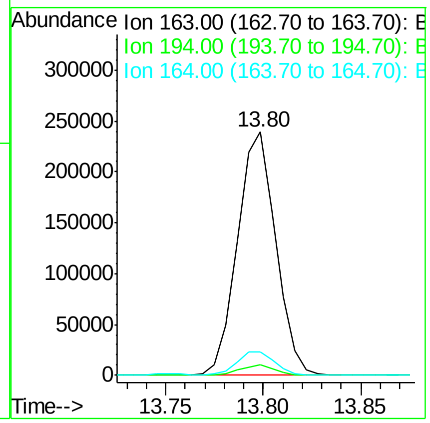


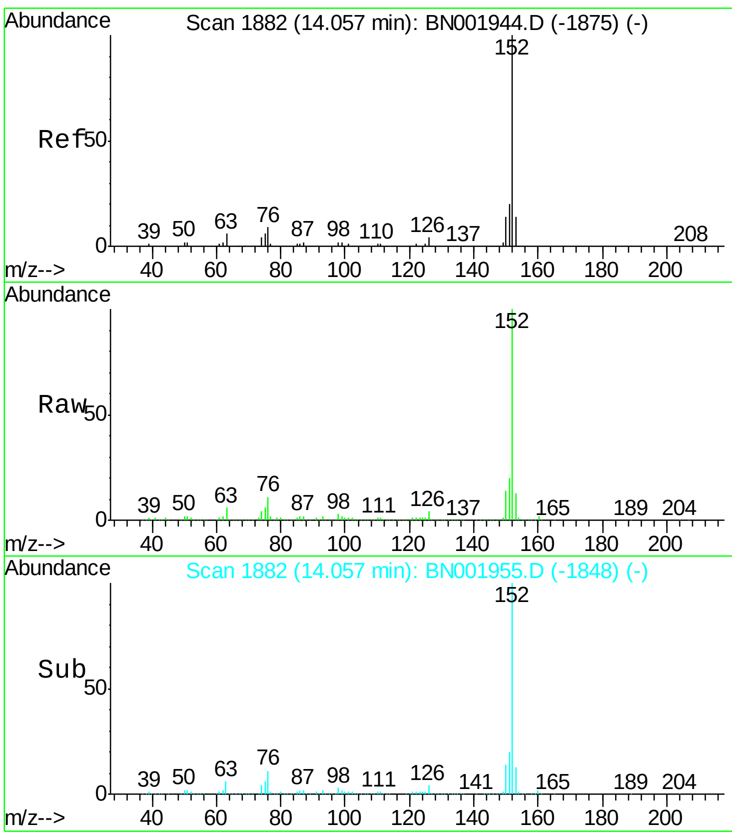
#44
Dimethylphthalate
Concen: 2.230 ng/ul
RT: 13.80 min   Scan# 1838
Delta R.T.   0.00 min
Lab File: BN001955.D
Acq: 03 Jul 2018   22:00

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:163 Resp: 324813

Ion	Ratio	Lower	Upper
163	100		
194	4.2	4.0	6.0
164	9.9	8.4	12.6

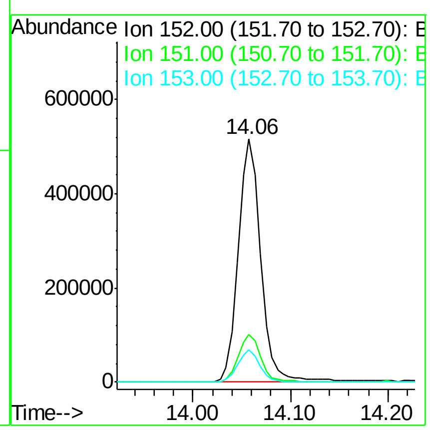


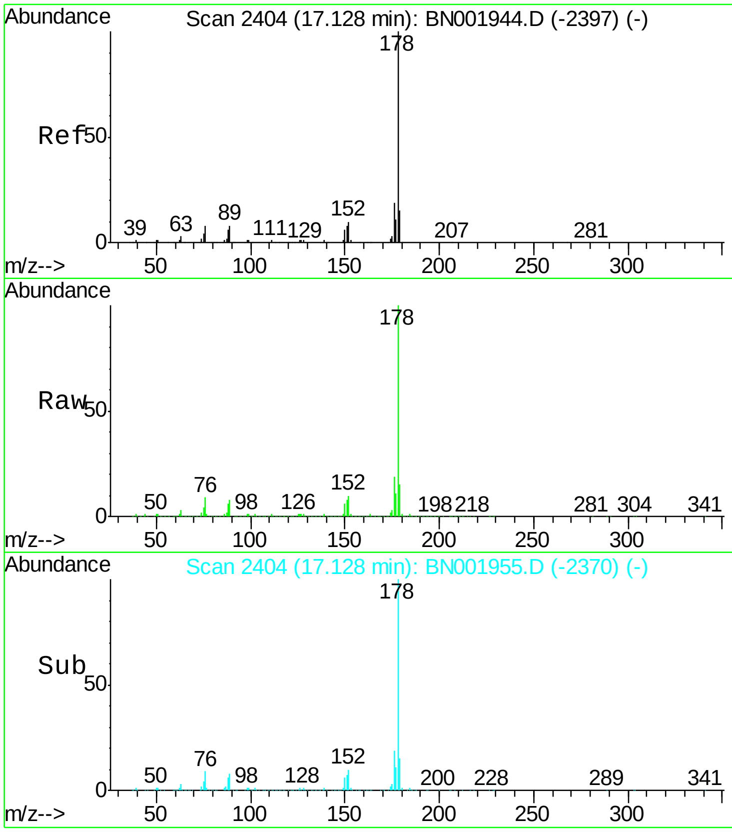


#47
Acenaphthylene
Concen: 4.686 ng/ul
RT: 14.06 min   Scan# 1882
Delta R.T.   0.00 min
Lab File: BN001955.D
Acq: 03 Jul 2018   22:00

Tgt Ion:152 Resp: 827375

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.1	24.1
153	13.3	10.8	16.2



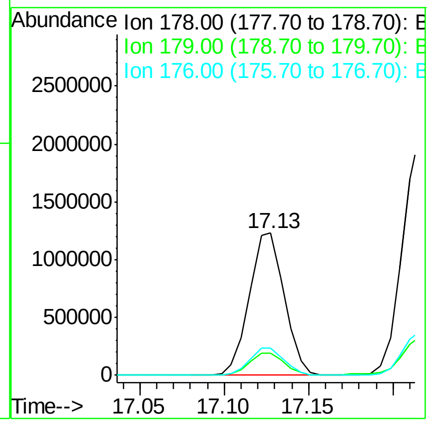


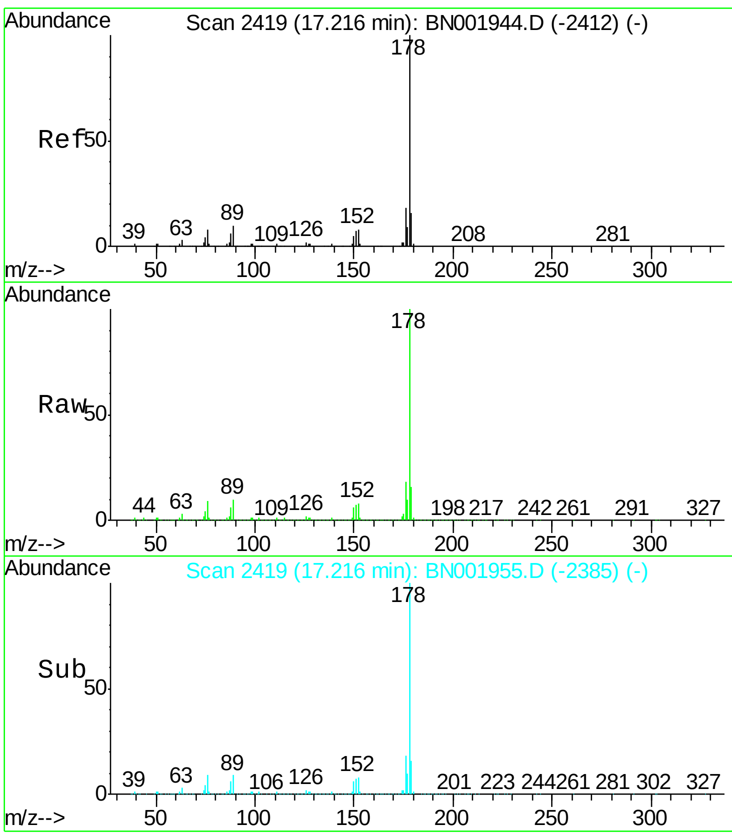
#69
Phenanthrene
Concen: 9.590 ng/ul
RT: 17.13 min   Scan# 2404
Delta R.T.   0.00 min
Lab File: BN001955.D
Acq: 03 Jul 2018   22:00

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp: 1787049

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	19.0	15.4	23.0

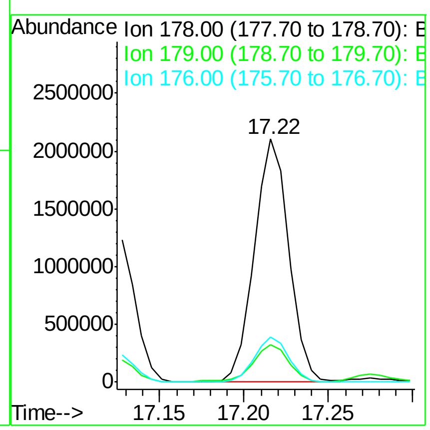


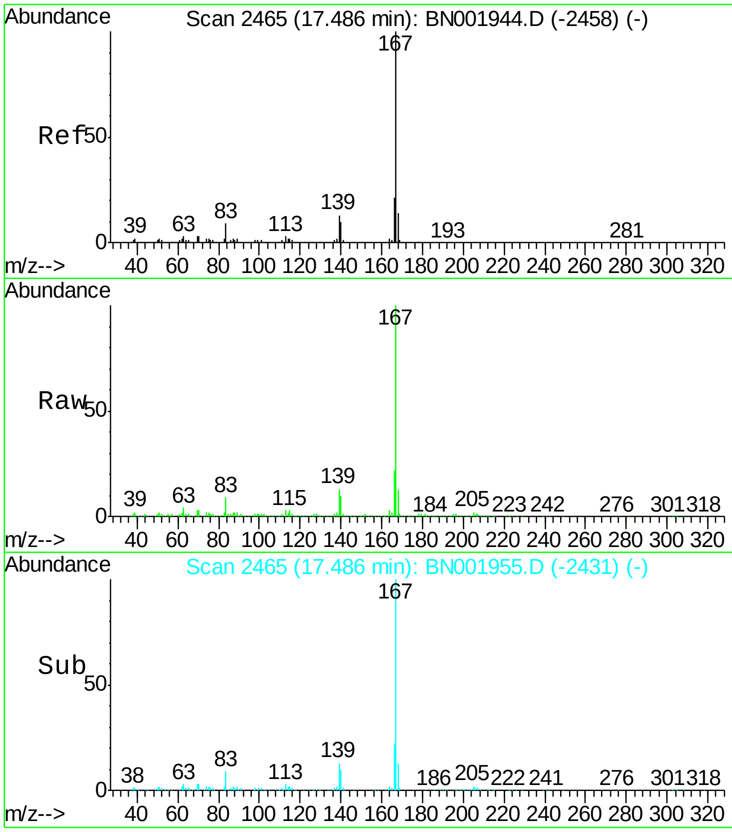


#71
Anthracene
Concen: 15.809 ng/ul
RT: 17.22 min   Scan# 2419
Delta R.T.   0.00 min
Lab File: BN001955.D
Acq: 03 Jul 2018   22:00

Tgt Ion:178 Resp: 2981988

Ion	Ratio	Lower	Upper
178	100		
179	15.6	13.4	20.2
176	18.4	15.4	23.0



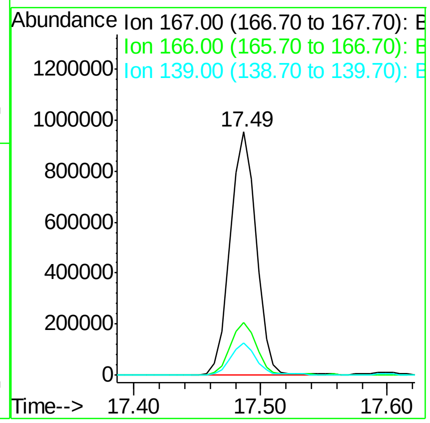


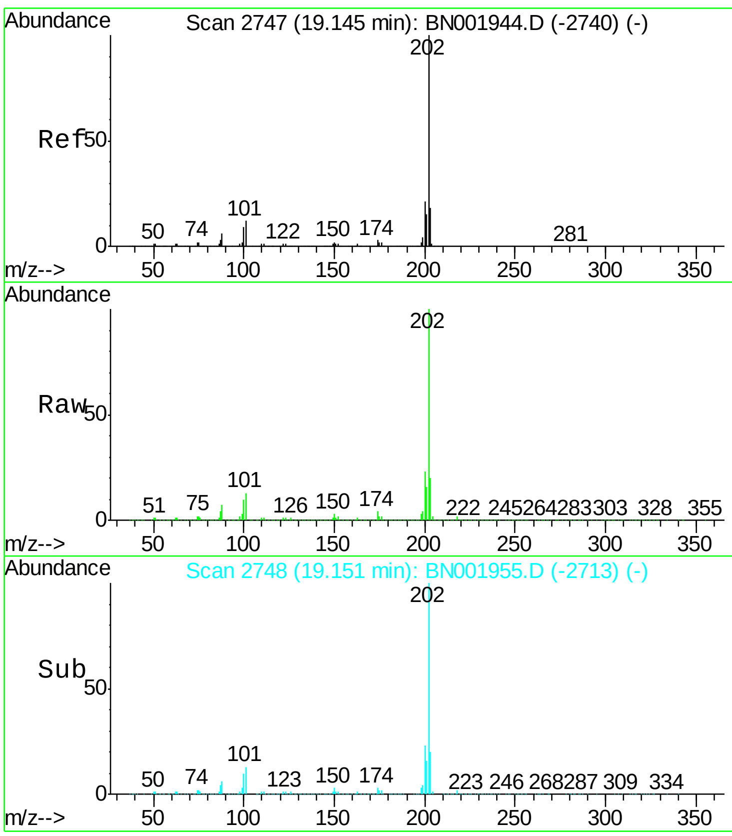
#72
Carbazole
Concen: 8.551 ng/ul
RT: 17.49 min Scan# 2465
Delta R.T. 0.00 min
Lab File: BN001955.D
Acq: 03 Jul 2018 22:00

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:167 Resp: 1351232

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.0	25.4
139	13.1	9.1	13.7

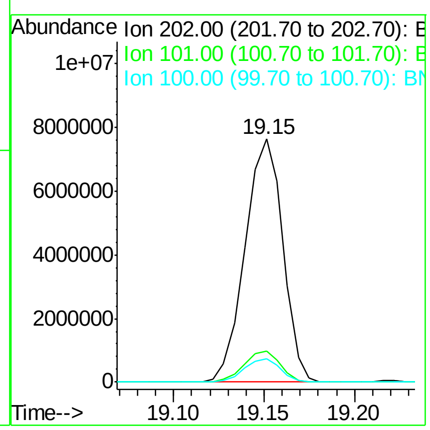


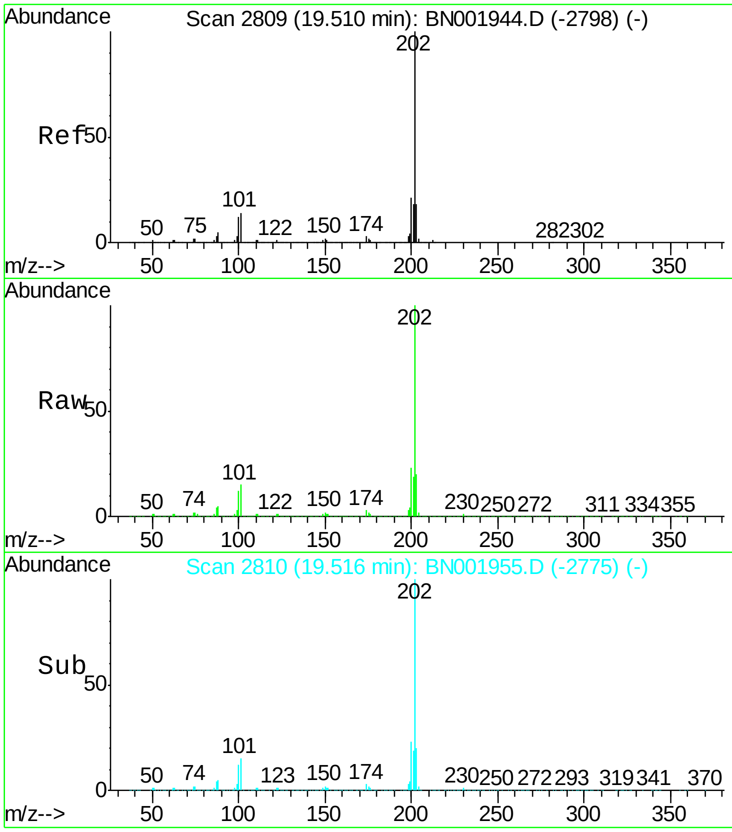


#74
Fluoranthene
Concen: 56.524 ng/ul
RT: 19.15 min Scan# 2748
Delta R.T. 0.01 min
Lab File: BN001955.D
Acq: 03 Jul 2018 22:00

Tgt Ion:202 Resp:11071988

Ion	Ratio	Lower	Upper
202	100		
101	12.9	6.1	9.1#
100	9.6	4.6	7.0#



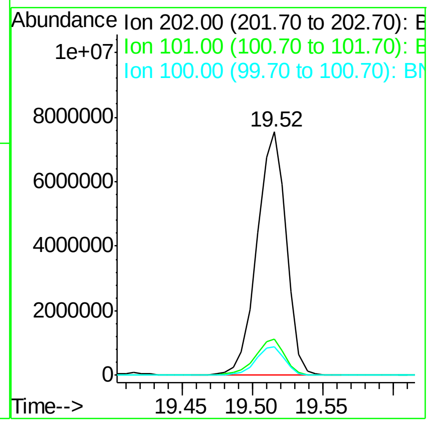


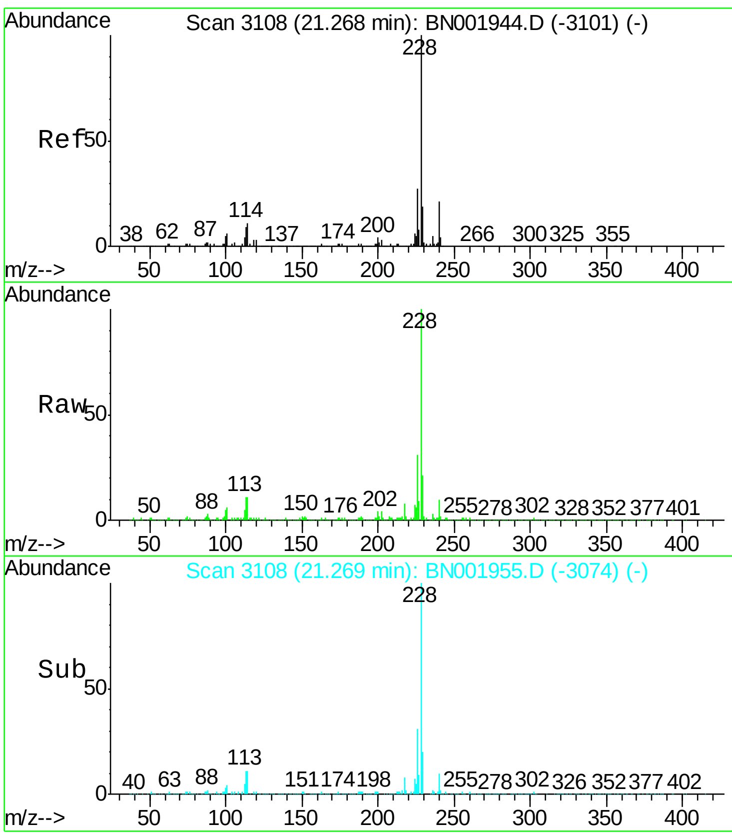
#77
Pyrene
Concen: 80.830 ng/ul
RT: 19.52 min   Scan# 2810
Delta R.T.   0.01 min
Lab File: BN001955.D
Acq: 03 Jul 2018   22:00

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:202 Resp:11015793

Ion	Ratio	Lower	Upper
202	100		
101	14.7	6.9	10.3#
100	12.0	5.6	8.4#

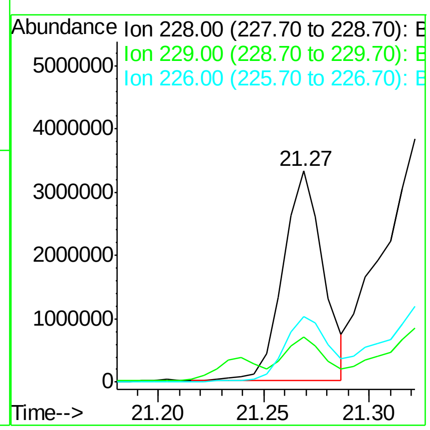


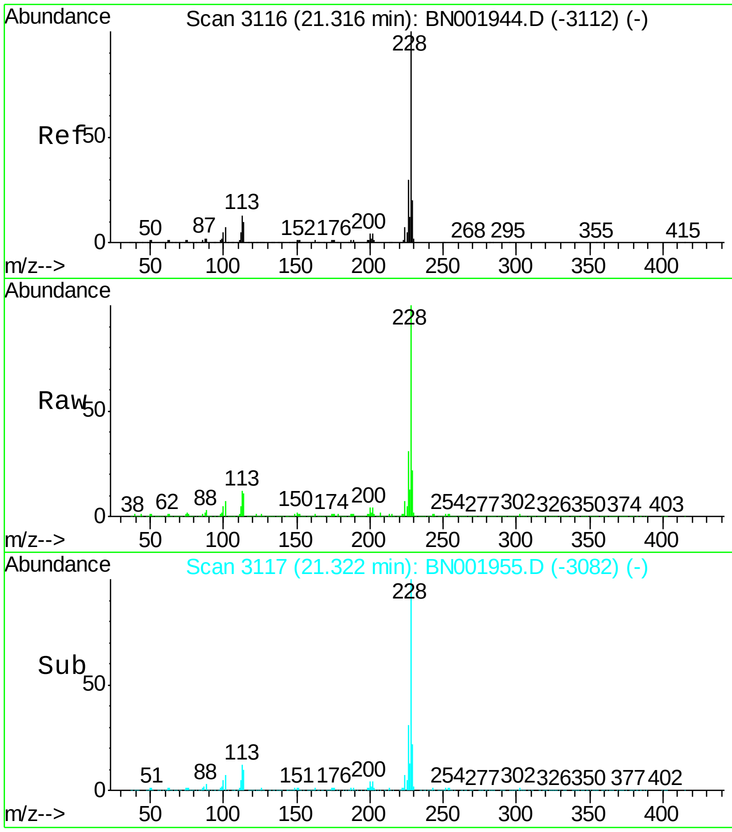


#80
Benzo(a)anthracene
Concen: 31.937 ng/ul
RT: 21.27 min   Scan# 3108
Delta R.T.   0.00 min
Lab File: BN001955.D
Acq: 03 Jul 2018   22:00

Tgt Ion:228 Resp: 4395645

Ion	Ratio	Lower	Upper
228	100		
229	21.4	16.0	24.0
226	30.9	21.8	32.8



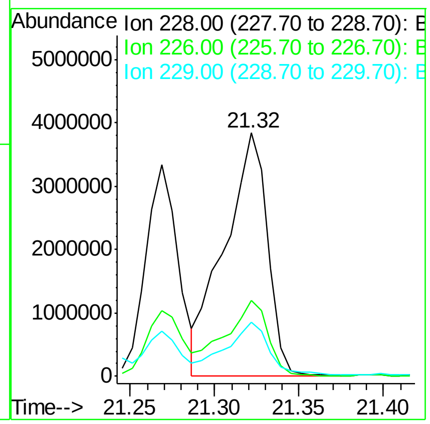


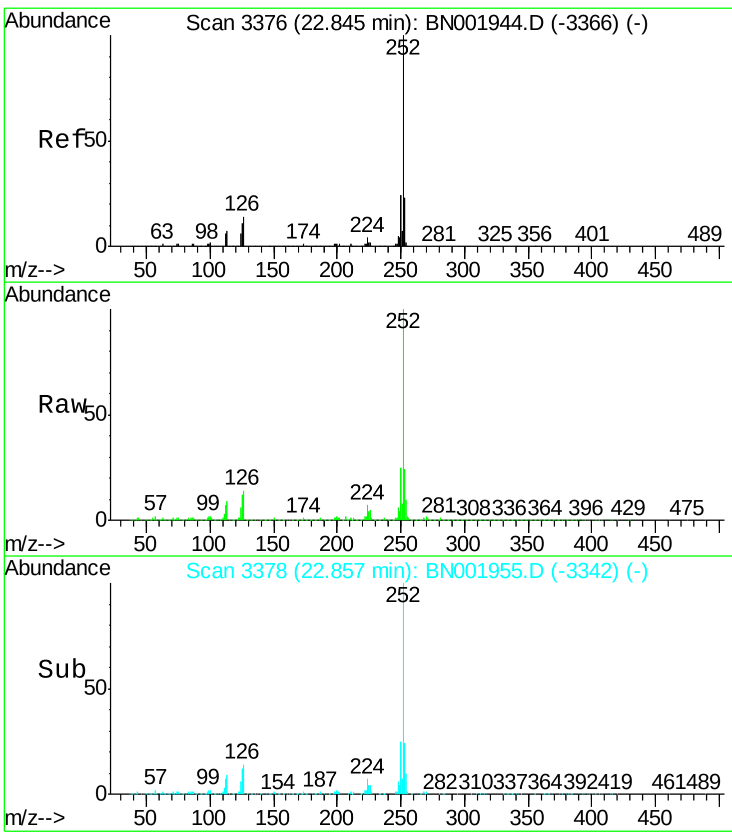
#82
Chrysene
Concen: 52.967 ng/ul
RT: 21.32 min   Scan# 3117
Delta R.T.   0.01 min
Lab File: BN001955.D
Acq: 03 Jul 2018   22:00

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 6782977

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.1	36.1
229	22.2	16.0	24.0

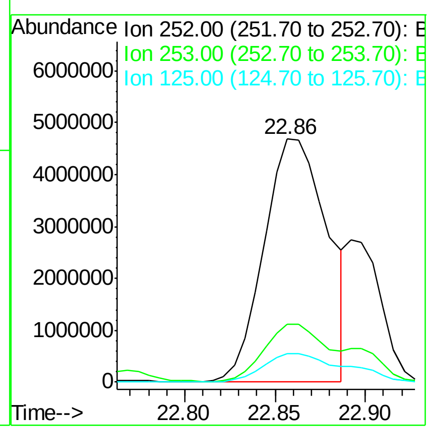


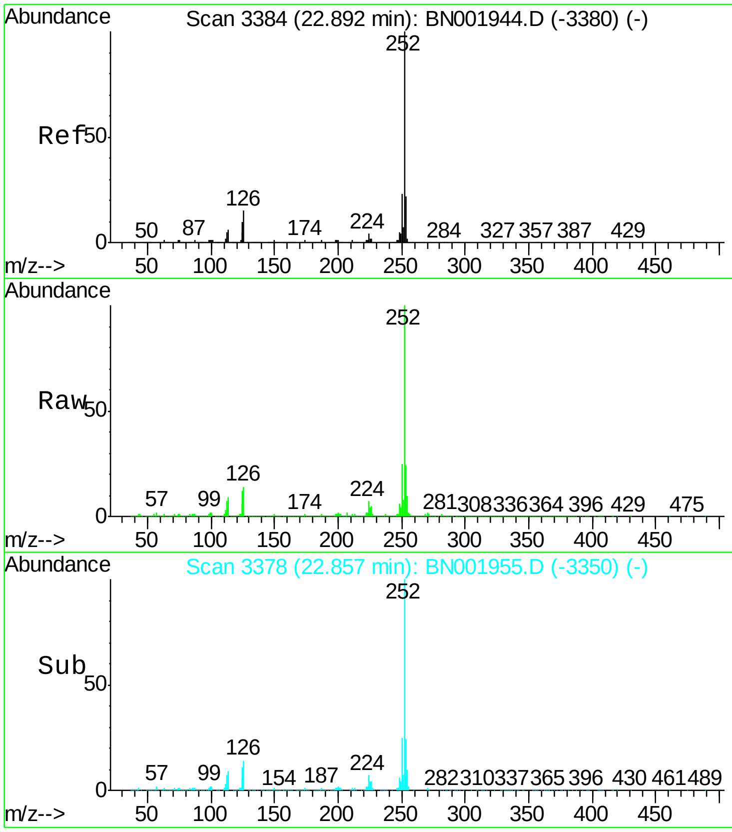


#85
Benzo(b)fluoranthene
Concen: 78.351 ng/ul
RT: 22.86 min   Scan# 3378
Delta R.T.   0.01 min
Lab File: BN001955.D
Acq: 03 Jul 2018   22:00

Tgt Ion:252 Resp:11376327

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.0
125	11.6	4.9	7.3#



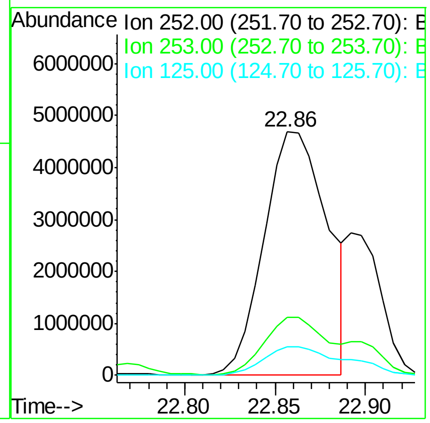


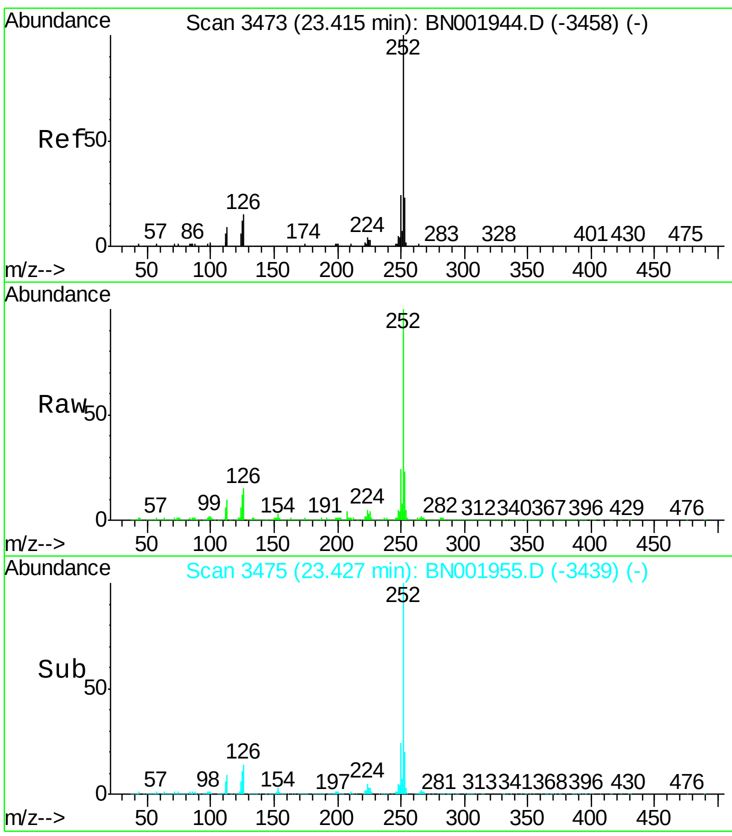
#86
Benzo(k)fluoranthene
Concen: 80.798 ng/ul
RT: 22.86 min   Scan# 3378
Delta R.T.   -0.04 min
Lab File: BN001955.D
Acq: 03 Jul 2018   22:00

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp:11376327

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	11.6	5.4	8.0#

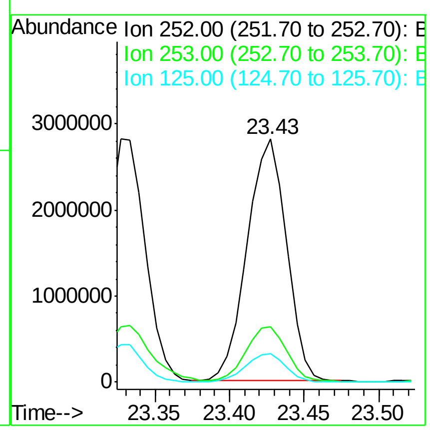


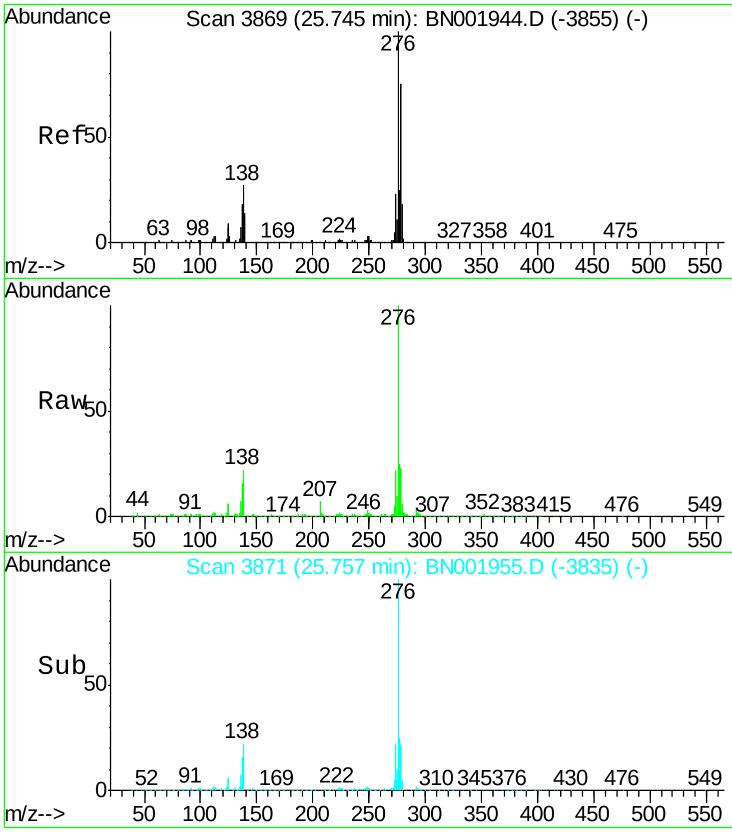


#88
Benzo(a)pyrene
Concen: 38.016 ng/ul
RT: 23.43 min   Scan# 3475
Delta R.T.   0.01 min
Lab File: BN001955.D
Acq: 03 Jul 2018   22:00

Tgt Ion:252 Resp: 5158180

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	11.5	5.8	8.6#



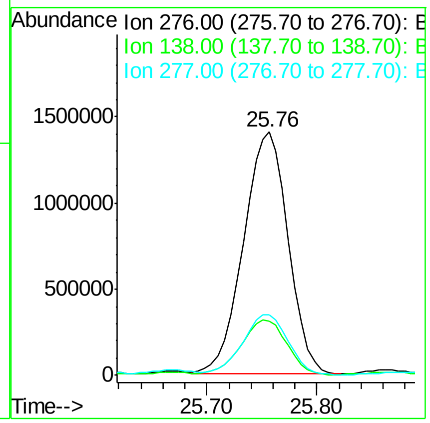


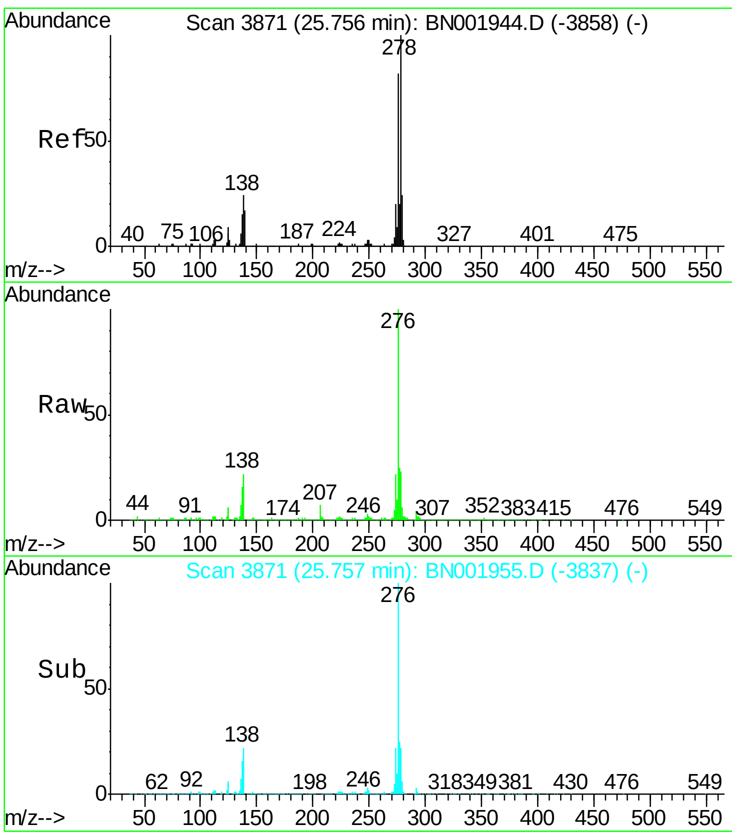
#89
Indeno(1,2,3-cd)pyrene
Concen: 27.658 ng/ul
RT: 25.76 min   Scan# 3871
Delta R.T.   0.01 min
Lab File: BN001955.D
Acq: 03 Jul 2018   22:00

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 3993216

Ion	Ratio	Lower	Upper
276	100		
138	22.4	10.9	16.3#
277	24.7	18.9	28.3

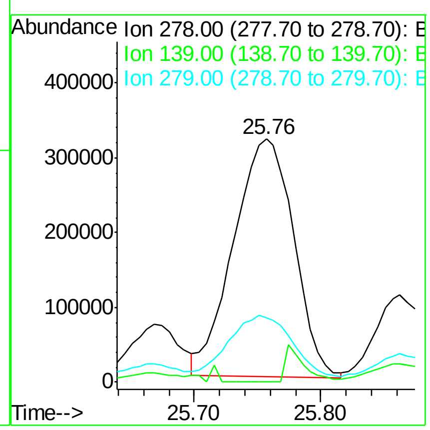


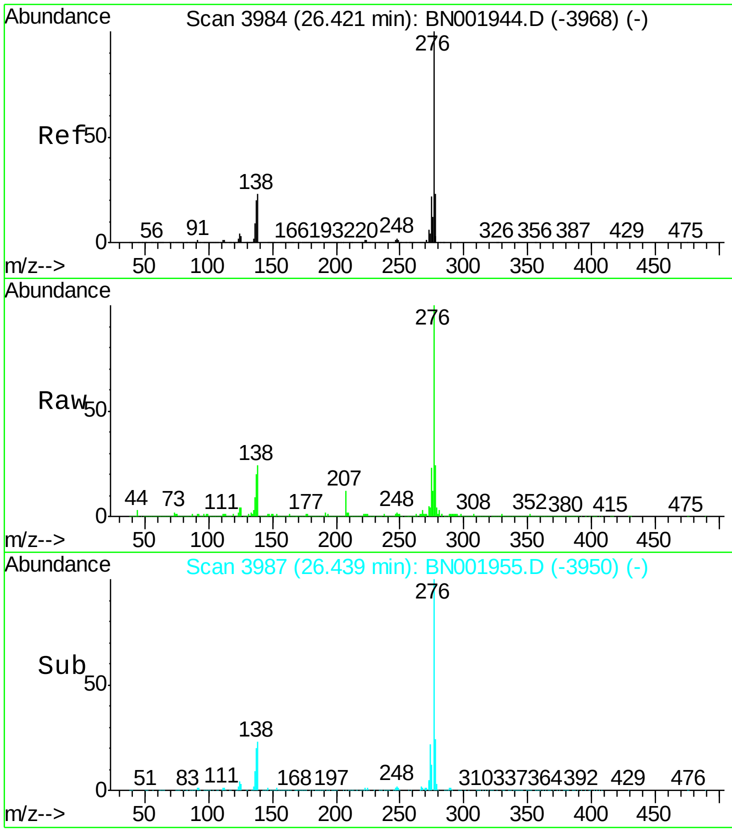


#90
Dibenzo(a,h)anthracene
Concen: 8.710 ng/ul
RT: 25.76 min   Scan# 3871
Delta R.T.   0.00 min
Lab File: BN001955.D
Acq: 03 Jul 2018   22:00

Tgt Ion:278 Resp: 1046631

Ion	Ratio	Lower	Upper
278	100		
139	0.0	9.0	13.4#
279	26.7	19.1	28.7





#91
Benzo(g,h,i)perylene
Concen: 24.215 ng/ul
RT: 26.44 min Scan# 3987
Delta R.T. 0.02 min
Lab File: BN001955.D
Acq: 03 Jul 2018 22:00

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 2883984

Ion	Ratio	Lower	Upper
276	100		
138	23.5	11.2	16.8#
277	24.3	19.0	28.6