Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032819\
Data File : BN005022.D
Acq On : 28 Mar 2019 21:00
Operator : JU/SJ
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDICC5.0

Quant Time: Mar 29 03:24:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 29 03:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	2956	0.40	ng		0.00
7) Naphthalene-d8	10.44	136	13254	0.40	ng		0.00
13) Acenaphthene-d10	14.30	164	7990	0.40	ng		0.00
19) Phenanthrene-d10	17.06	188	18330	0.40	ng		0.00
27) Chrysene-d12	21.26	240	22945	0.40	ng		0.00
34) Perylene-d12	23.49	264	21166	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.25	112	38985	4.85	ng		0.00
5) Phenol-d6	6.83	99	49023	4.90	ng		-0.02
8) Nitrobenzene-d5	8.82	82	44597	5.09	ng		-0.01
11) 2-Methylnaphthalene-d10	12.03	152	107076	4.63	ng		0.00
14) 2,4,6-Tribromophenol	15.80	330	27603	5.00	ng		-0.01
15) 2-Fluorobiphenyl	12.92	172	155390	4.71	ng		0.00
25) Fluoranthene-d10	19.09	212	281558	4.59	ng		0.00
29) Terphenyl-d14	19.69	244	227332	4.84	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.18	88	15354	4.569	ng		98
3) n-Nitrosodimethylamine	3.50	42	12026	6.055	ng	#	94
6) bis(2-Chloroethyl)ether	7.09	93	44574	4.938	ng		97
9) Naphthalene	10.49	128	171225	4.606	ng		98
10) Hexachlorobutadiene	10.76	225	31125	4.389	ng	#	100
12) 2-Methylnaphthalene	12.11	142	124102	4.495	ng		97
16) Acenaphthylene	14.02	152	216213	5.254	ng		100
17) Acenaphthene	14.37	154	125515	4.657	ng		99
18) Fluorene	15.36	166	166729	4.432	ng		100
20) 4-Bromophenyl-phenylether	16.25	248	58008	4.844	ng	#	90
21) Hexachlorobenzene	16.36	284	62047	4.527	ng		100
22) Pentachlorophenol	16.72	266	18981	7.082	ng		92
23) Phenanthrene	17.09	178	269296	4.550	ng		100
24) Anthracene	17.18	178	259006	4.899	ng		100
26) Fluoranthene	19.12	202	329123	4.327	ng		100
28) Pyrene	19.49	202	332384	4.751	ng		100
30) Benzo(a)anthracene	21.24	228	342684	4.554	ng		98
31) Chrysene	21.29	228	333560	4.209	ng		98
32) Bis(2-ethylhexyl)phthalate	21.15	149	171376	5.700	ng		99
33) Indeno(1,2,3-cd)pyrene	25.73	276	385162	3.359	ng		100
35) Benzo(b)fluoranthene	22.81	252	356557	4.657	ng		96
36) Benzo(k)fluoranthene	22.86	252	336017	4.461	ng		96
37) Benzo(a)pyrene	23.39	252	323987	4.612	ng		95
38) Dibenzo(a,h)anthracene	25.74	278	315119	3.873	ng		97
39) Benzo(g,h,i)perylene	26.42	276	309618	3.735	ng		98

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

Quantitation Report (QT Reviewed)

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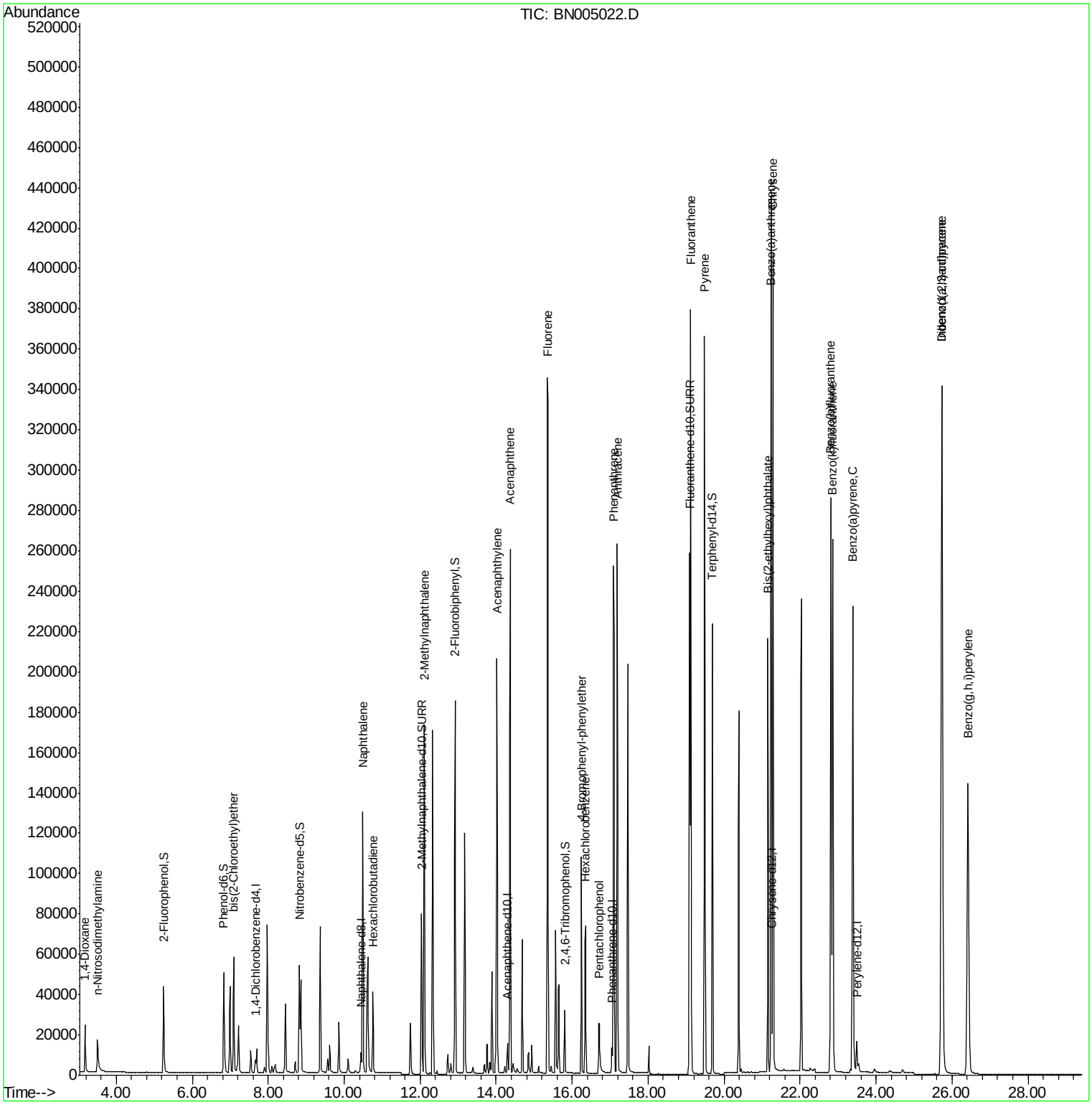
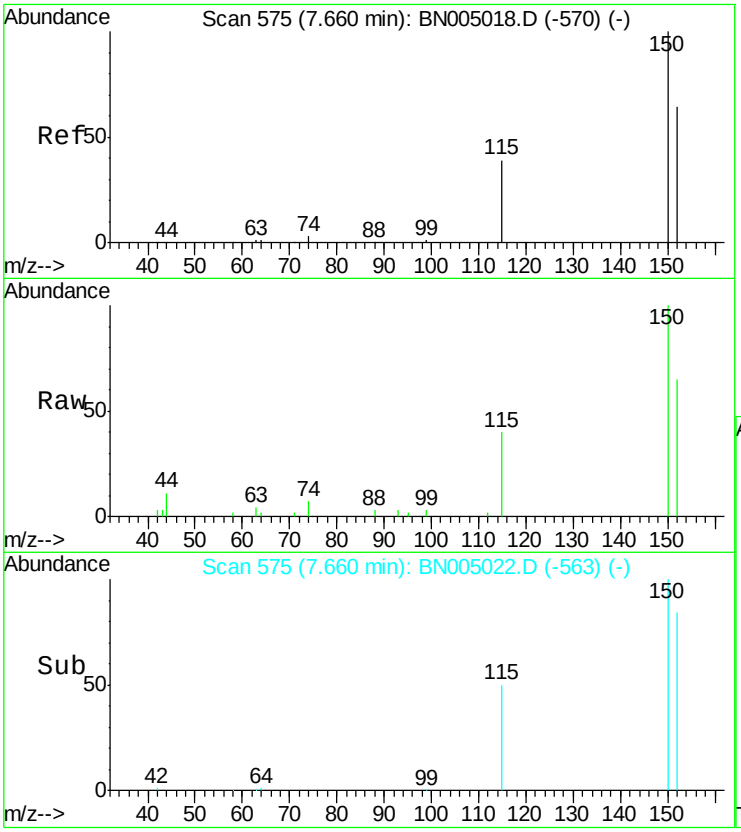
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Mar 29 03:24:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 29 03:18:03 2019
Response via : Initial Calibration



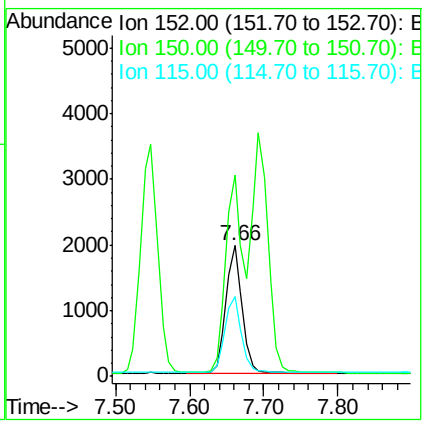


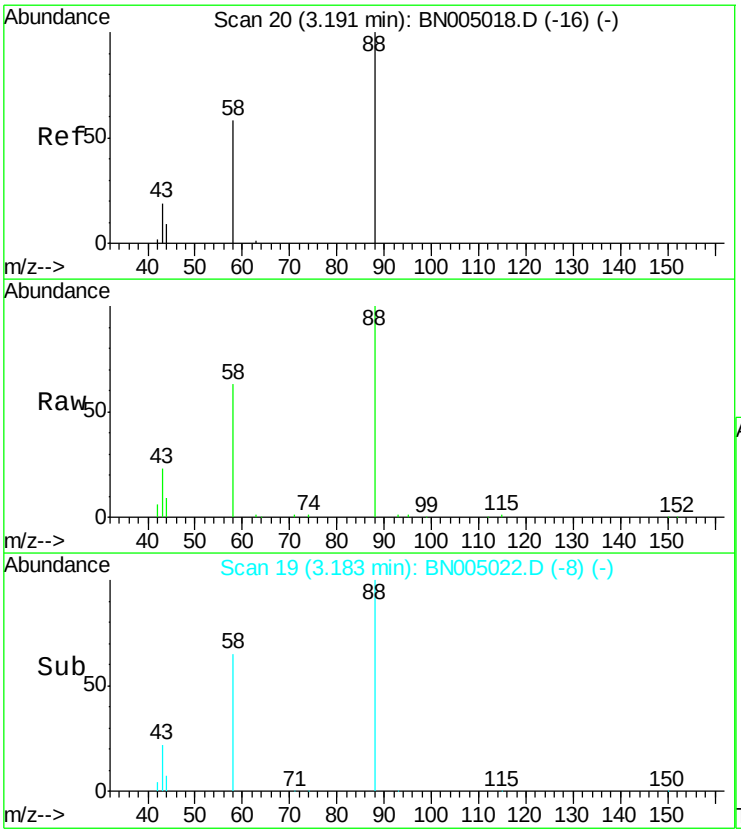
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.66 min Scan# 575
Delta R.T. 0.00 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 2956

Ion	Ratio	Lower	Upper
152	100		
150	154.0	123.4	185.2
115	61.0	50.0	75.0

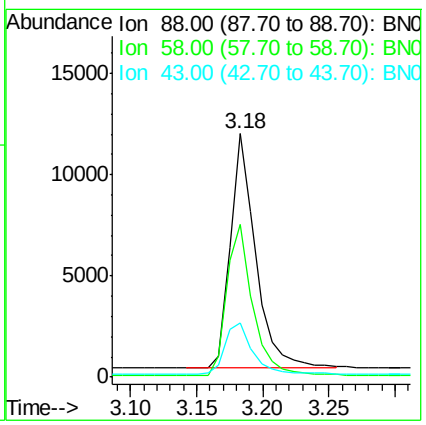


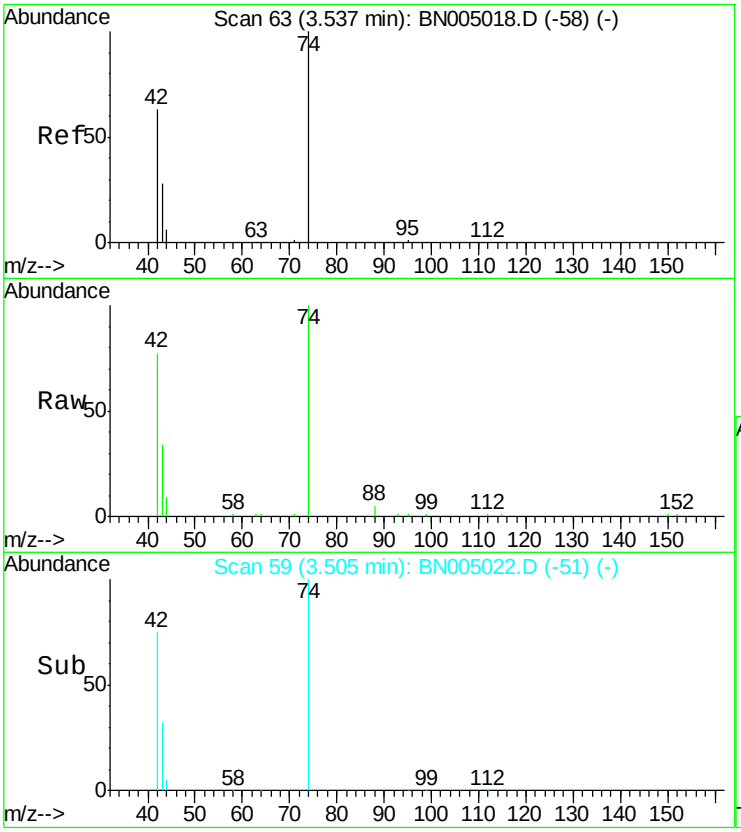


#2
1,4-Dioxane
Concen: 4.569 ng
RT: 3.18 min Scan# 19
Delta R.T. -0.01 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Tgt Ion: 88 Resp: 15354

Ion	Ratio	Lower	Upper
88	100		
58	67.4	52.8	79.2
43	23.8	19.6	29.4



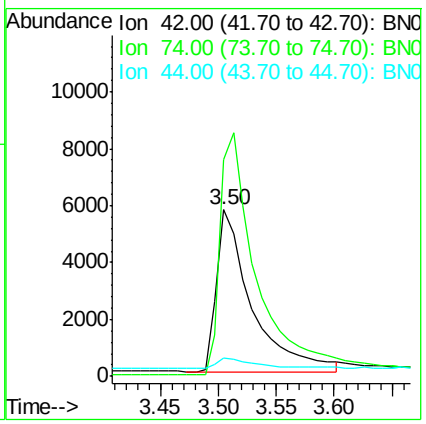


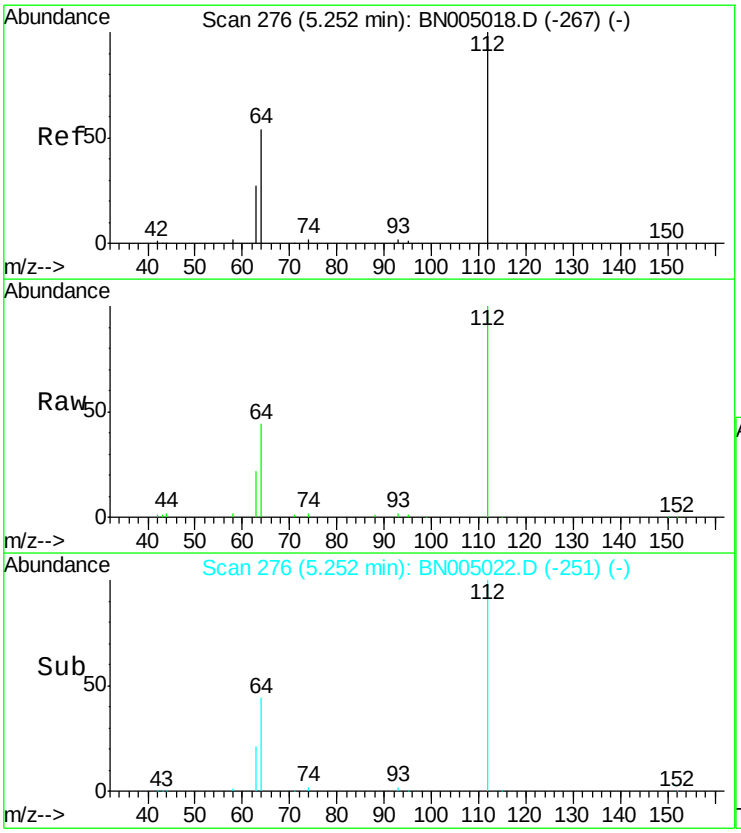
#3
n-Nitrosodimethylamine
Concen: 6.055 ng
RT: 3.50 min Scan# 59
Delta R.T. -0.03 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 12026

Ion	Ratio	Lower	Upper
42	100		
74	154.8	129.1	193.7
44	6.8	11.6	17.4#

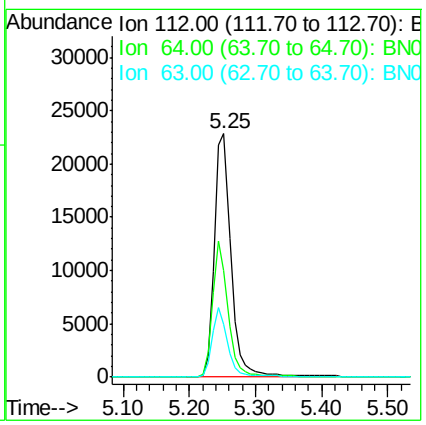


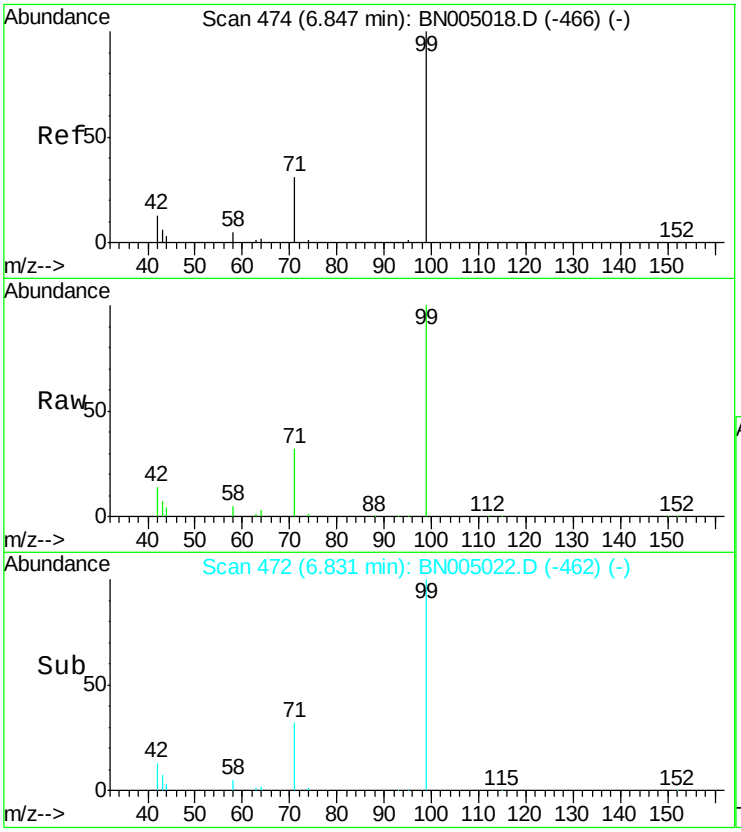


#4
2-Fluorophenol
Concen: 4.852 ng
RT: 5.25 min Scan# 276
Delta R.T. 0.00 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Tgt Ion:112 Resp: 38985

Ion	Ratio	Lower	Upper
112	100		
64	52.5	41.9	62.9
63	26.5	21.5	32.3



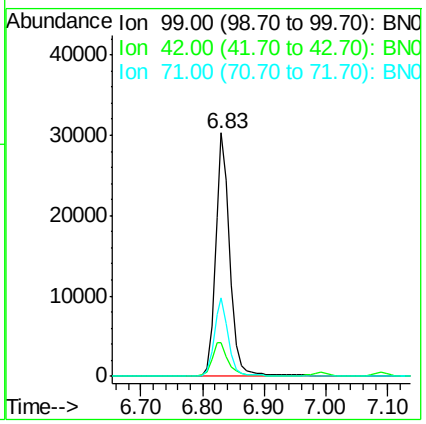


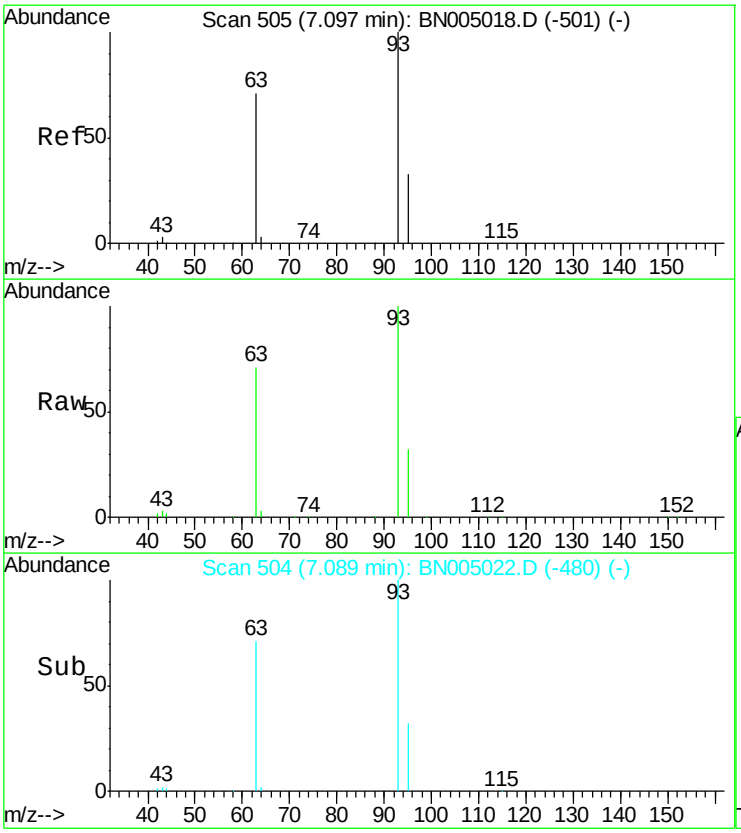
#5
Phenol-d6
Concen: 4.901 ng
RT: 6.83 min Scan# 472
Delta R.T. -0.02 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 49023

Ion	Ratio	Lower	Upper
99	100		
42	15.2	12.2	18.2
71	31.9	26.1	39.1

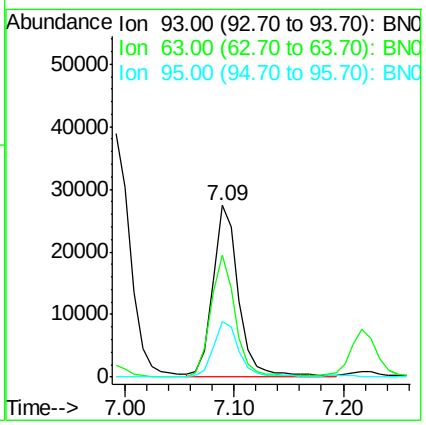


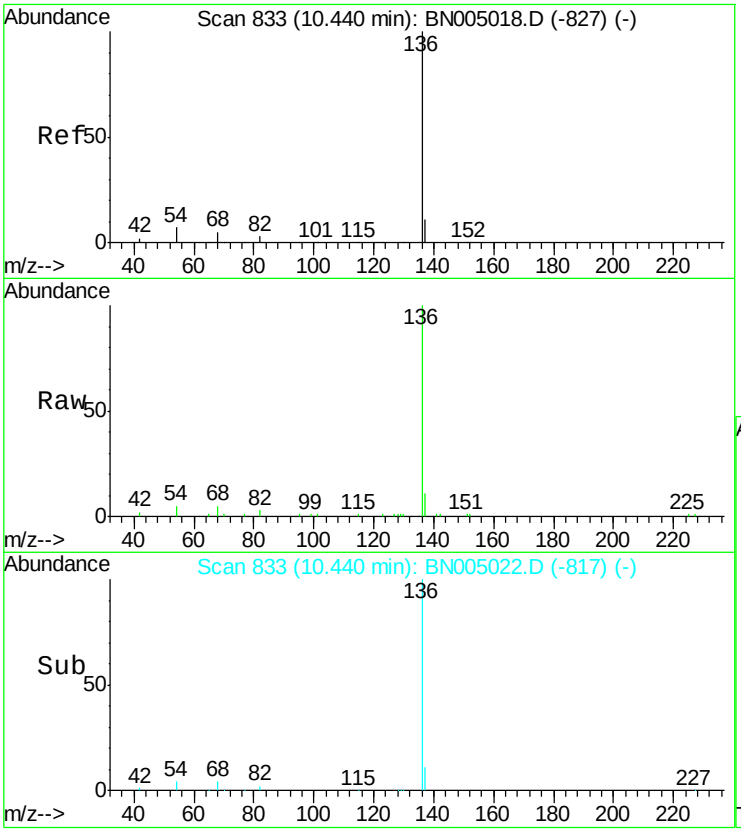


#6
bis(2-Chloroethyl)ether
Concen: 4.938 ng
RT: 7.09 min Scan# 504
Delta R.T. -0.01 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Tgt Ion: 93 Resp: 44574

Ion	Ratio	Lower	Upper
93	100		
63	67.6	51.8	77.6
95	31.9	24.8	37.2



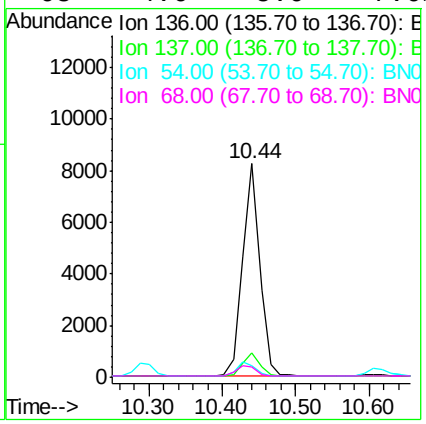


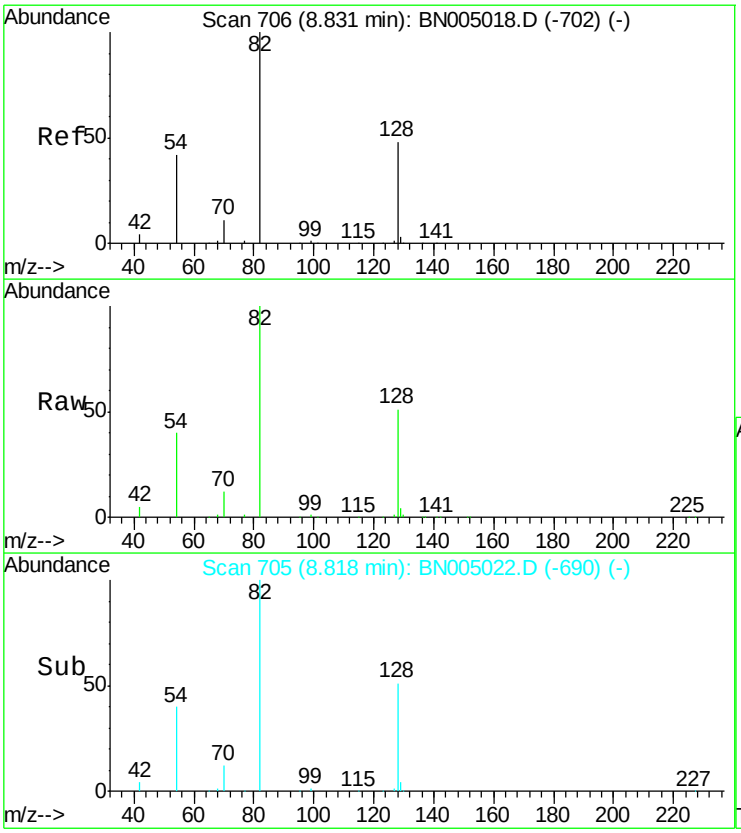
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.44 min Scan# 833
Delta R.T. 0.00 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 13254

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	5.2	6.0	9.0#
68	4.6	5.0	7.6#

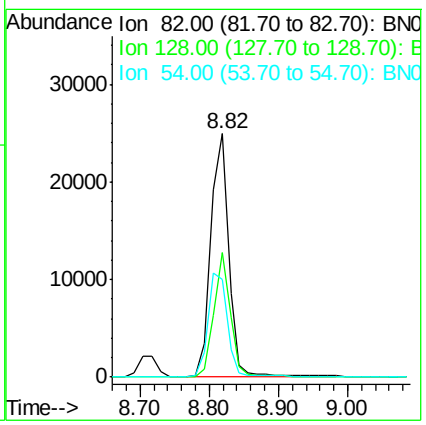


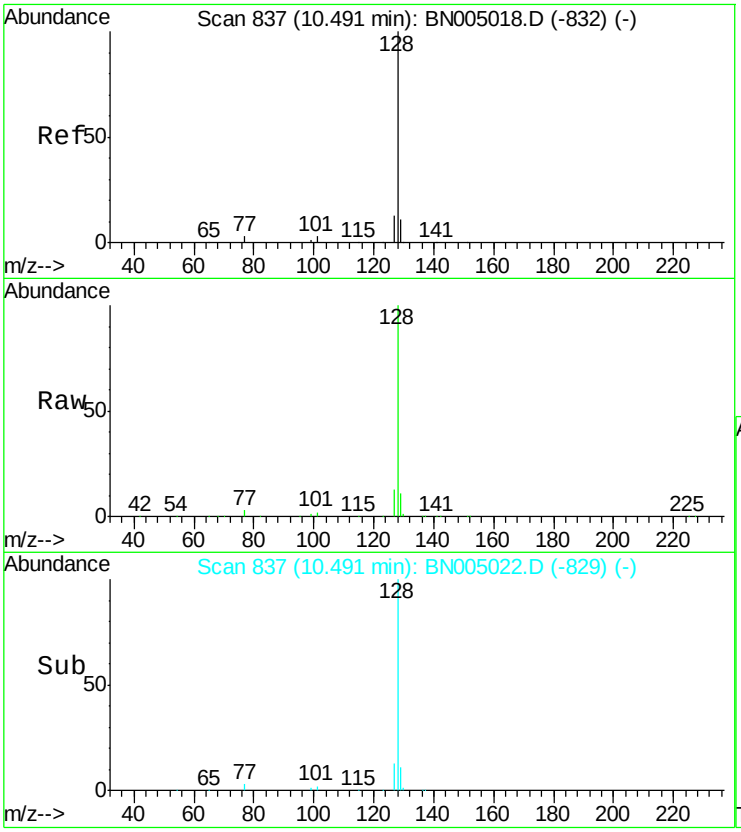


#8
Nitrobenzene-d5
Concen: 5.087 ng
RT: 8.82 min Scan# 705
Delta R.T. -0.01 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Tgt Ion: 82 Resp: 44597

Ion	Ratio	Lower	Upper
82	100		
128	51.2	40.5	60.7
54	40.3	35.7	53.5



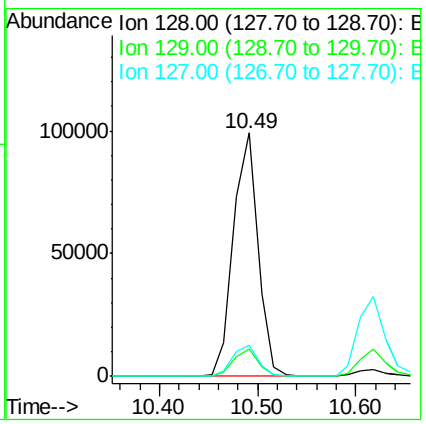


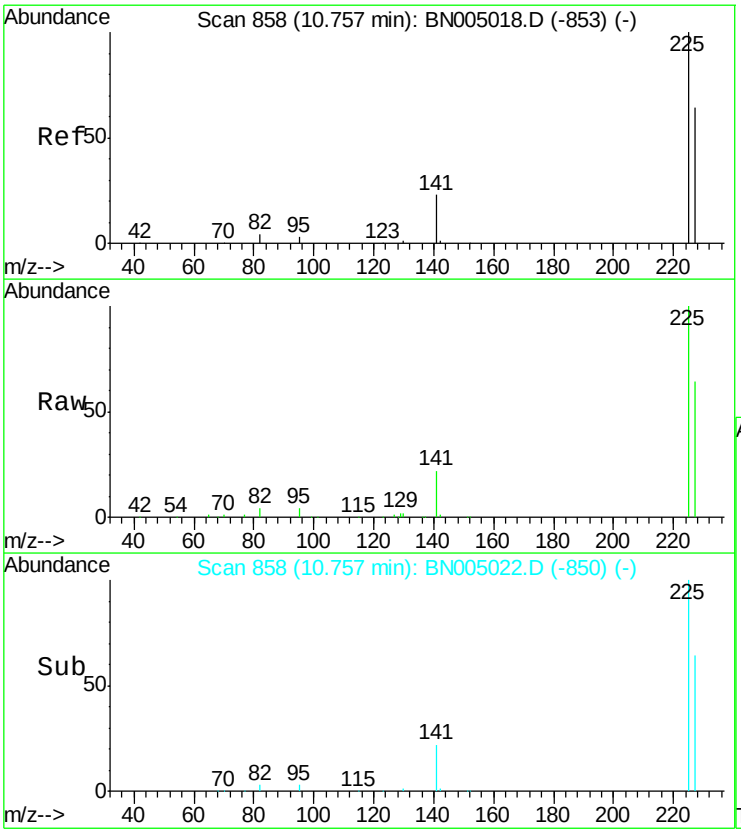
#9
Naphthalene
Concen: 4.606 ng
RT: 10.49 min Scan# 837
Delta R.T. 0.00 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 171225

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.4	14.2
127	13.0	11.0	16.6

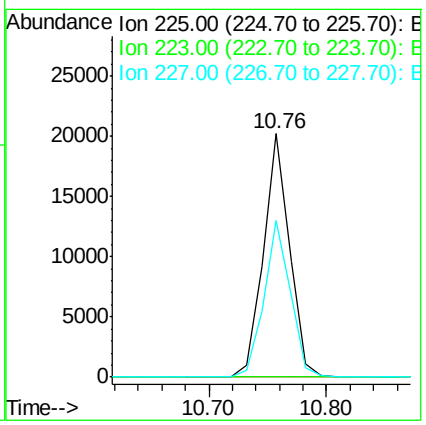


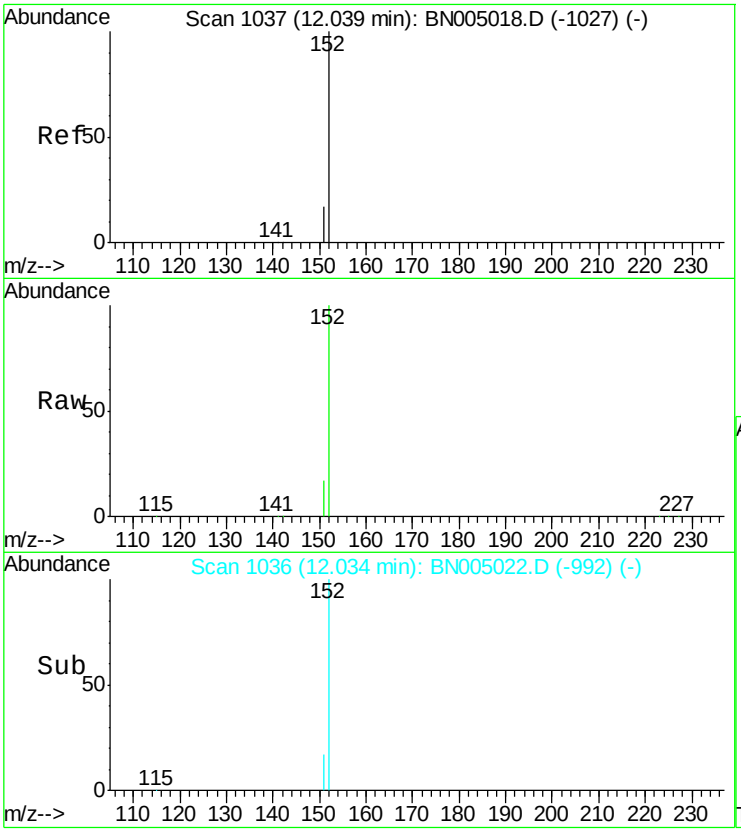


#10
Hexachlorobutadiene
Concen: 4.389 ng
RT: 10.76 min Scan# 858
Delta R.T. 0.00 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Tgt Ion:225 Resp: 31125

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.3	51.5	77.3



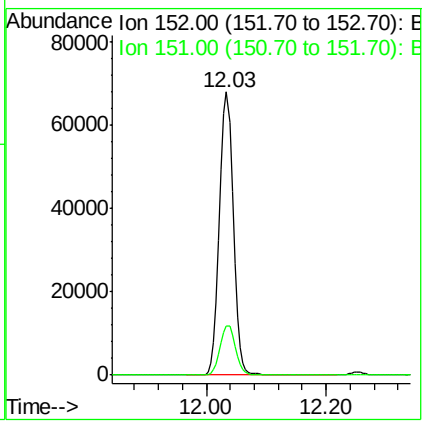


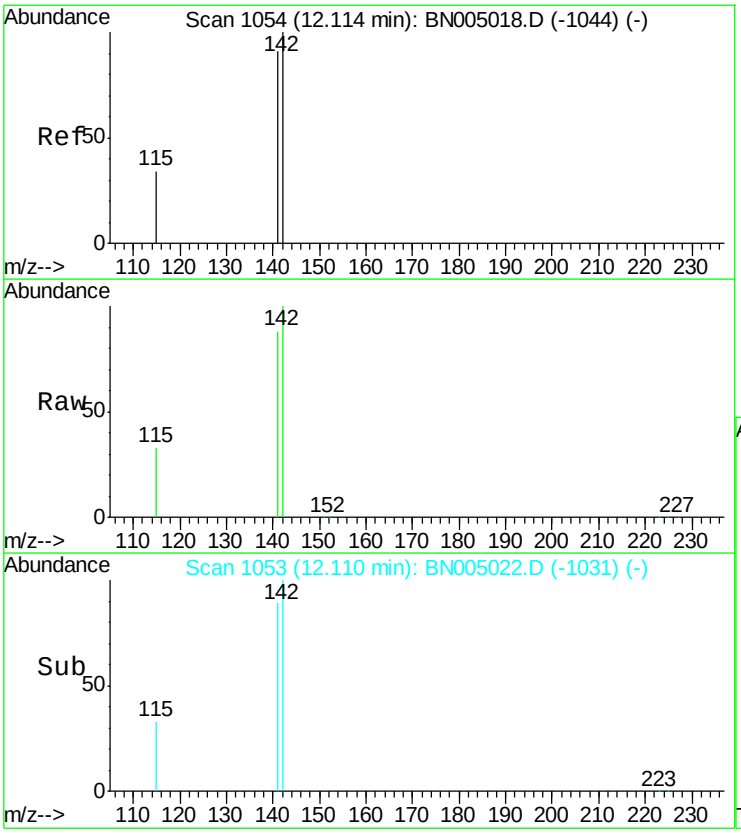
#11
2-Methylnaphthalene-d10
Concen: 4.630 ng
RT: 12.03 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 107076

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.3	22.9

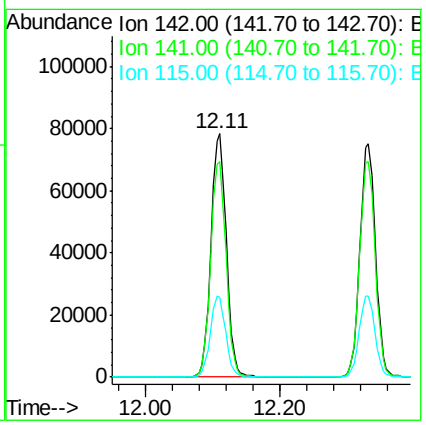


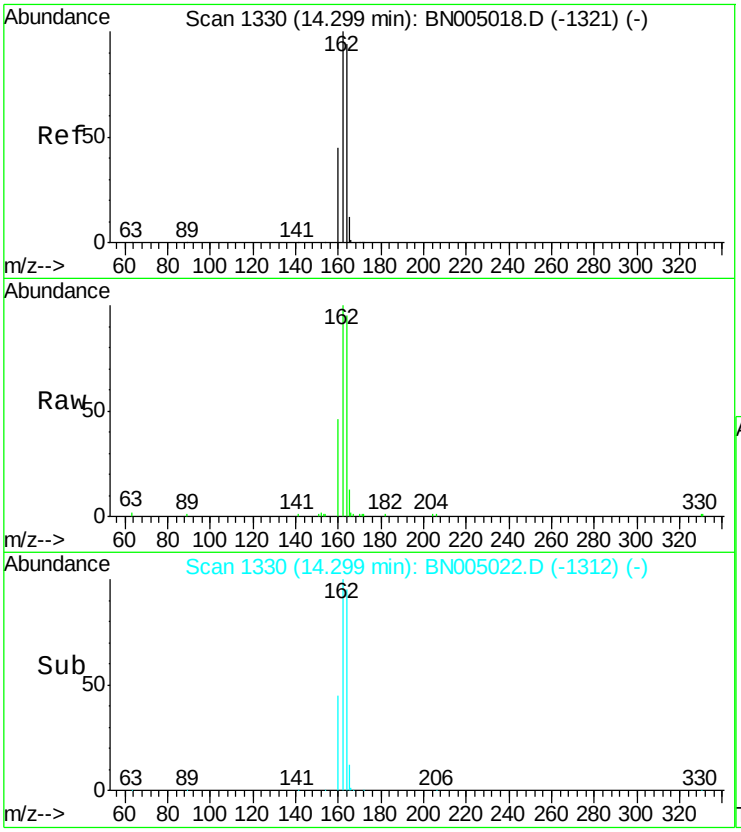


#12
2-Methylnaphthalene
Concen: 4.495 ng
RT: 12.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Tgt Ion:142 Resp: 124102

Ion	Ratio	Lower	Upper
142	100		
141	88.5	72.6	108.8
115	32.6	27.8	41.8



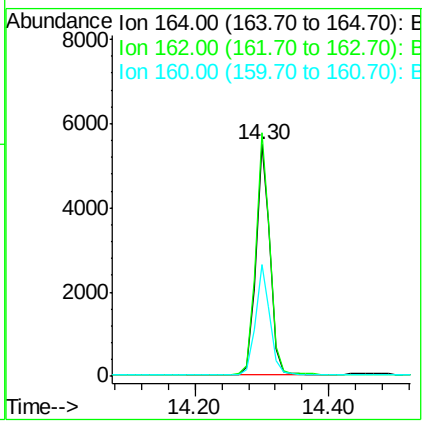


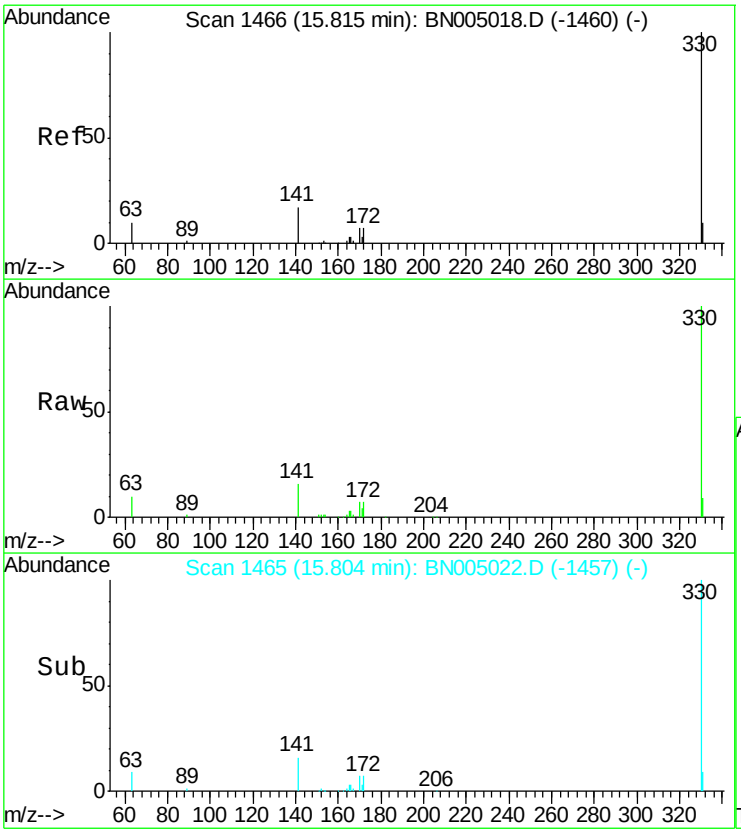
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.30 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 7990

Ion	Ratio	Lower	Upper
164	100		
162	105.1	85.3	127.9
160	48.1	39.2	58.8

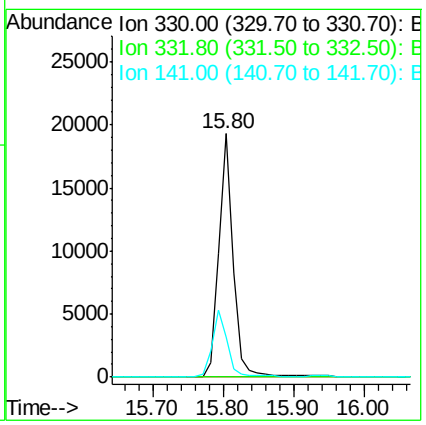


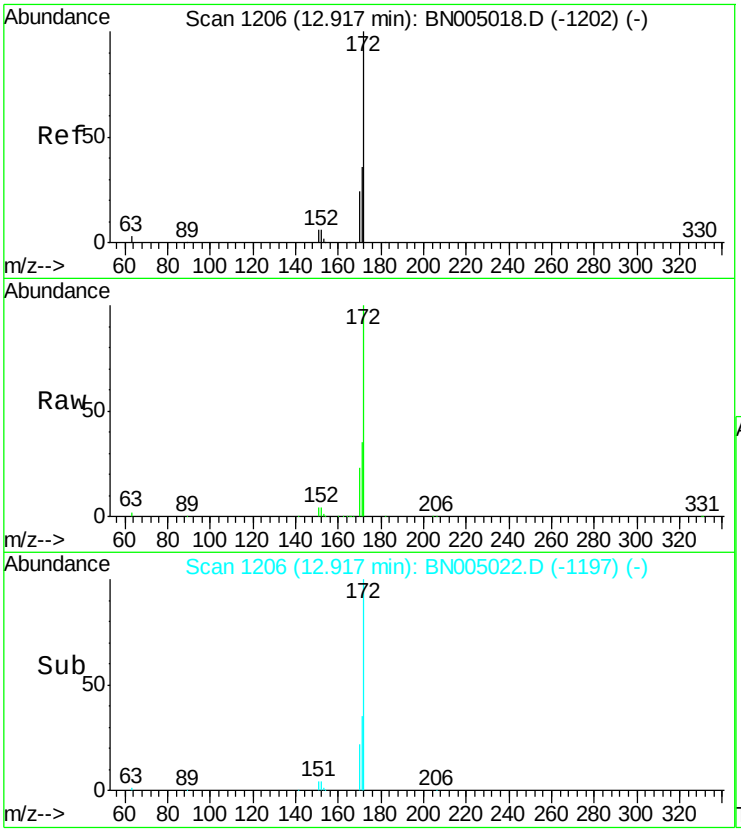


#14
2,4,6-Tribromophenol
Concen: 5.002 ng
RT: 15.80 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Tgt Ion:330 Resp: 27603

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	27.9	21.3	31.9



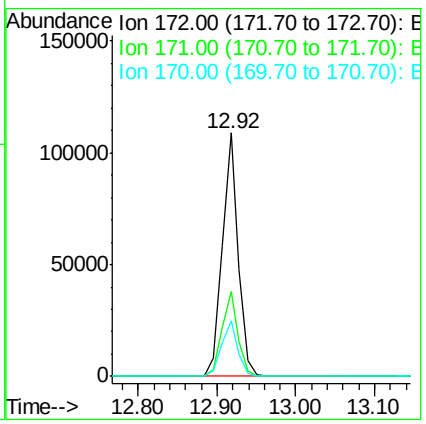


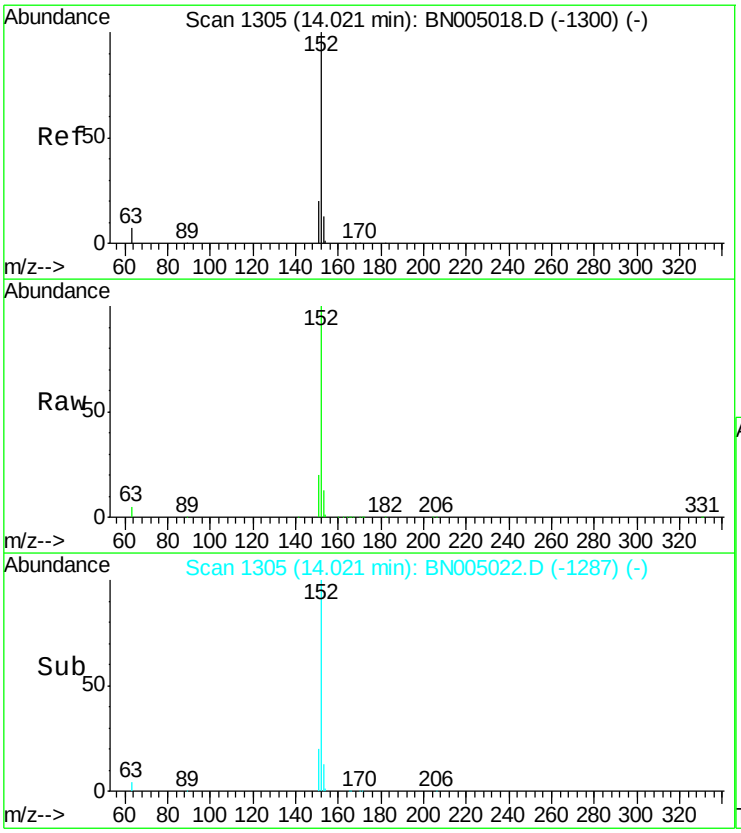
#15
2-Fluorobiphenyl
Concen: 4.706 ng
RT: 12.92 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 155390

Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.4	44.0
170	22.6	20.0	30.0

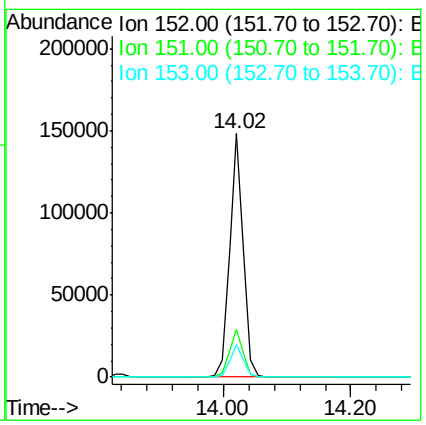


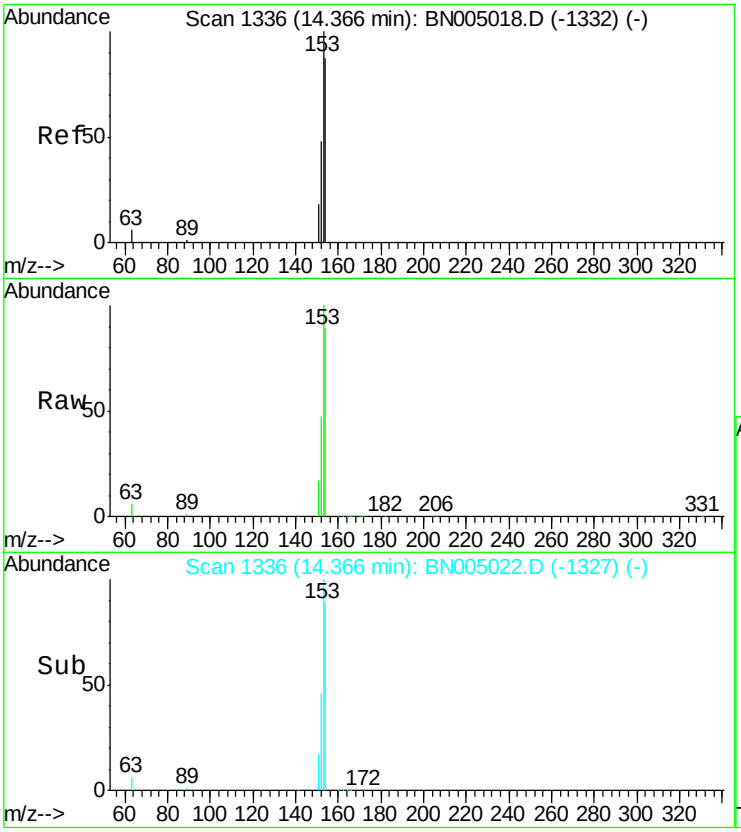


#16
Acenaphthylene
Concen: 5.254 ng
RT: 14.02 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Tgt Ion:152 Resp: 216213

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	13.1	10.6	15.8



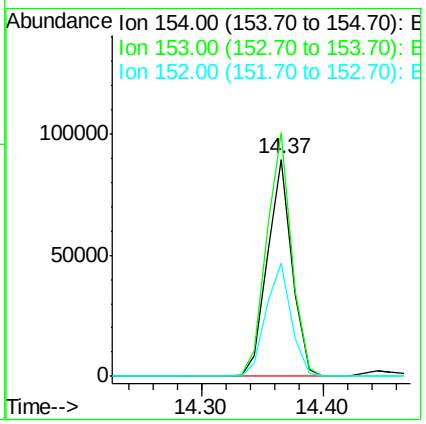


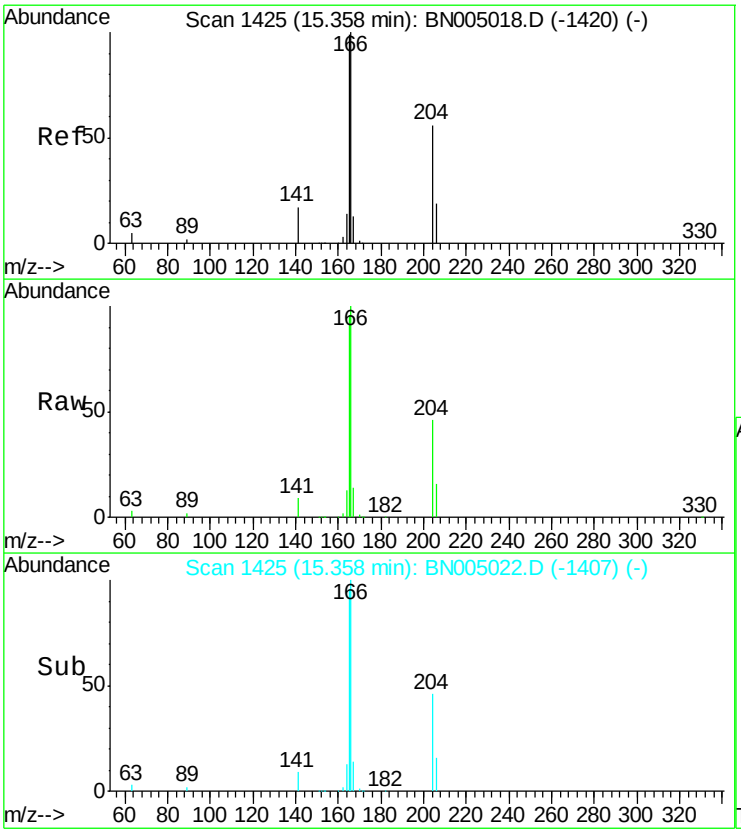
#17
Acenaphthene
Concen: 4.657 ng
RT: 14.37 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 125515

Ion	Ratio	Lower	Upper
154	100		
153	113.9	92.1	138.1
152	53.8	44.2	66.2

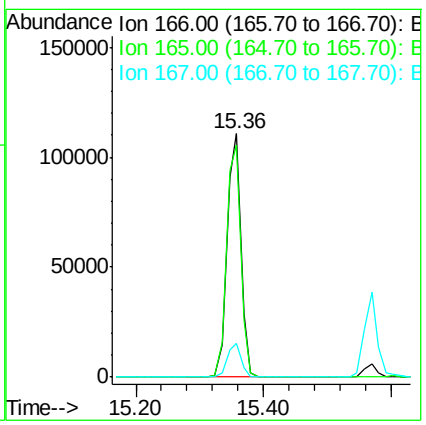


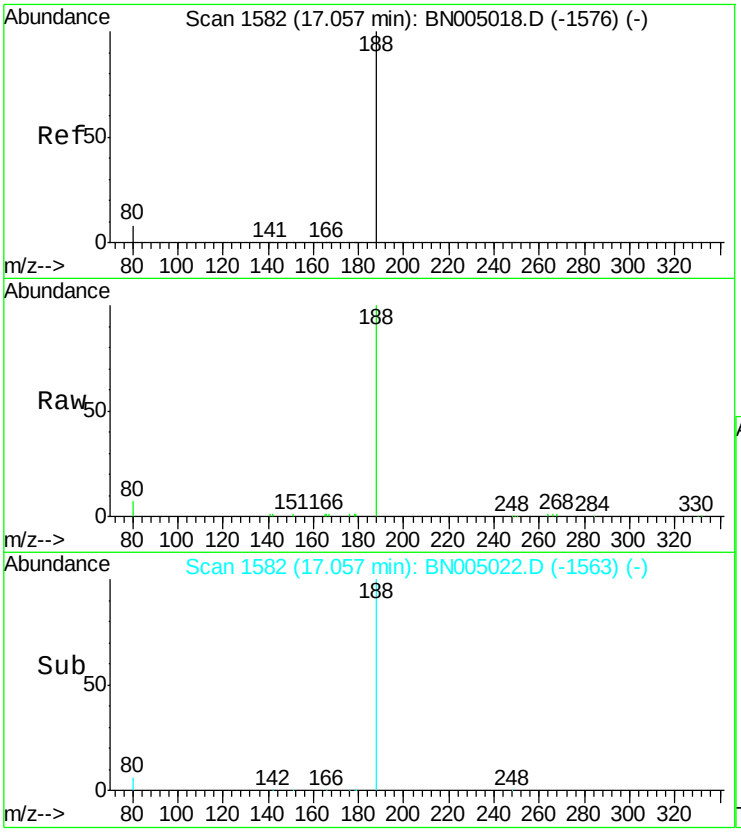


#18
Fluorene
Concen: 4.432 ng
RT: 15.36 min Scan# 1425
Delta R.T. 0.00 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Tgt Ion:166 Resp: 166729

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.7	118.1
167	13.5	10.9	16.3



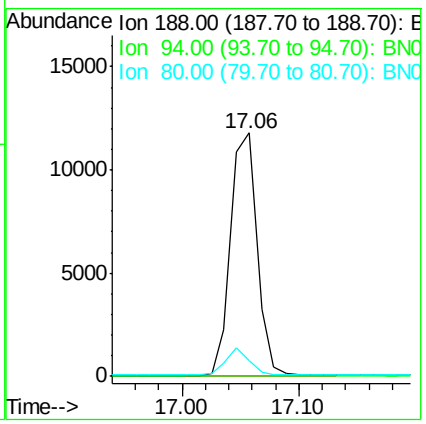


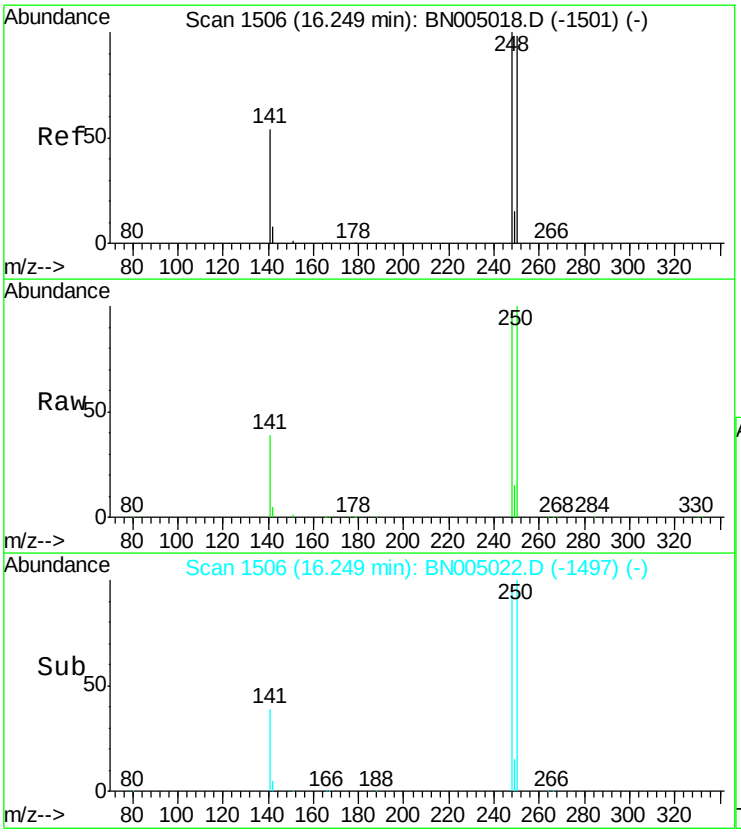
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 18330

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.6	6.9	10.3#

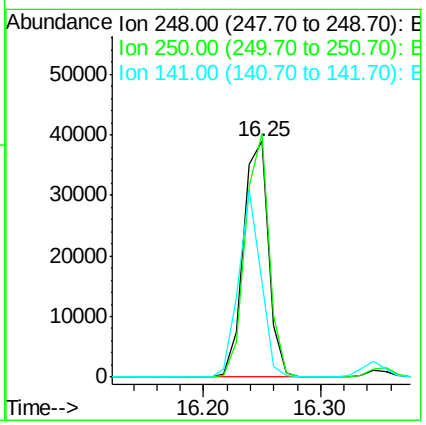


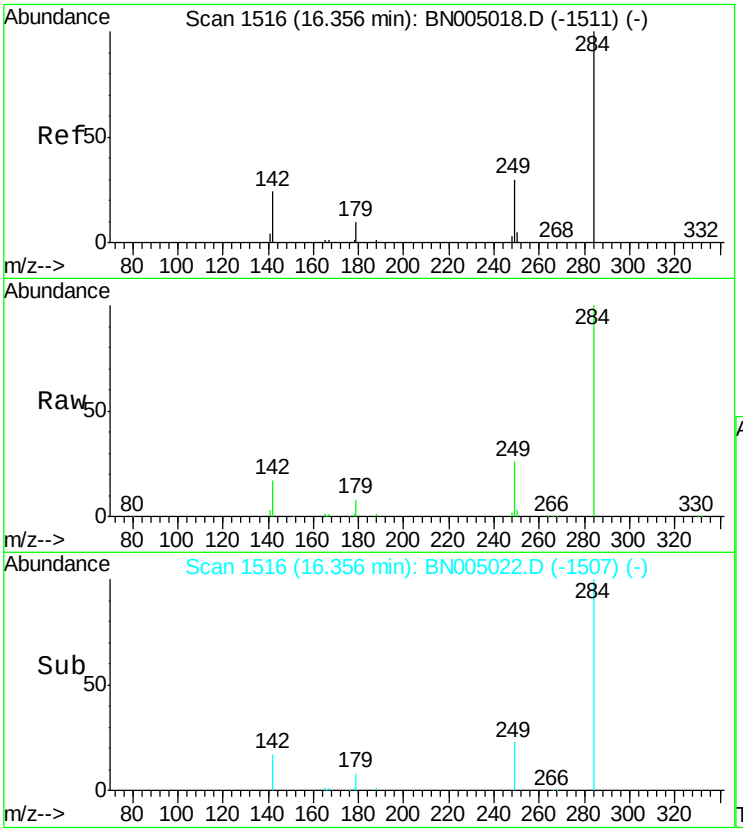


#20
4-Bromophenyl-phenylether
Concen: 4.844 ng
RT: 16.25 min Scan# 1506
Delta R.T. 0.00 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Tgt Ion:248 Resp: 58008

Ion	Ratio	Lower	Upper
248	100		
250	103.2	78.6	117.8
141	40.2	43.6	65.4#



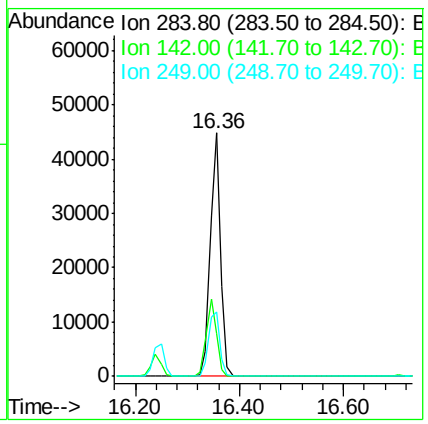


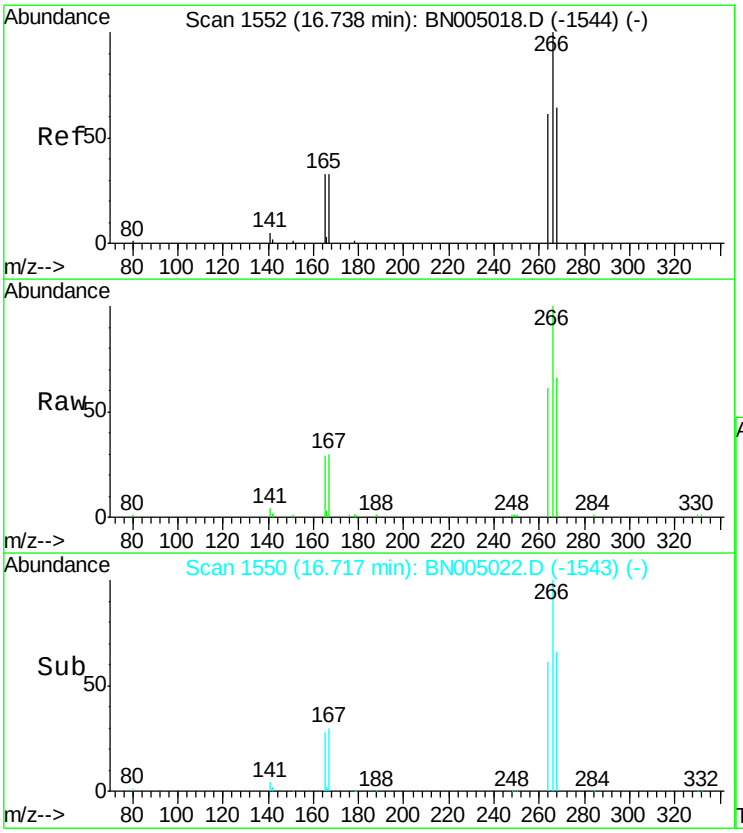
#21
Hexachlorobenzene
Concen: 4.527 ng
RT: 16.36 min Scan# 1516
Delta R.T. 0.00 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:284 Resp: 62047

Ion	Ratio	Lower	Upper
284	100		
142	31.1	24.9	37.3
249	29.4	23.8	35.6

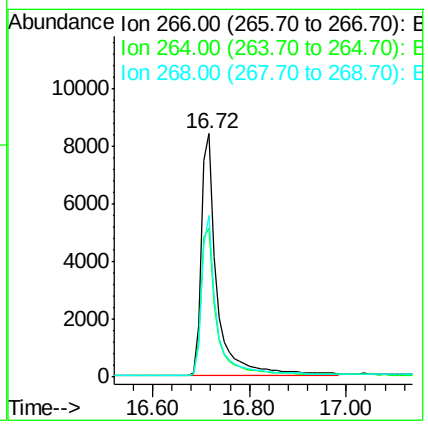


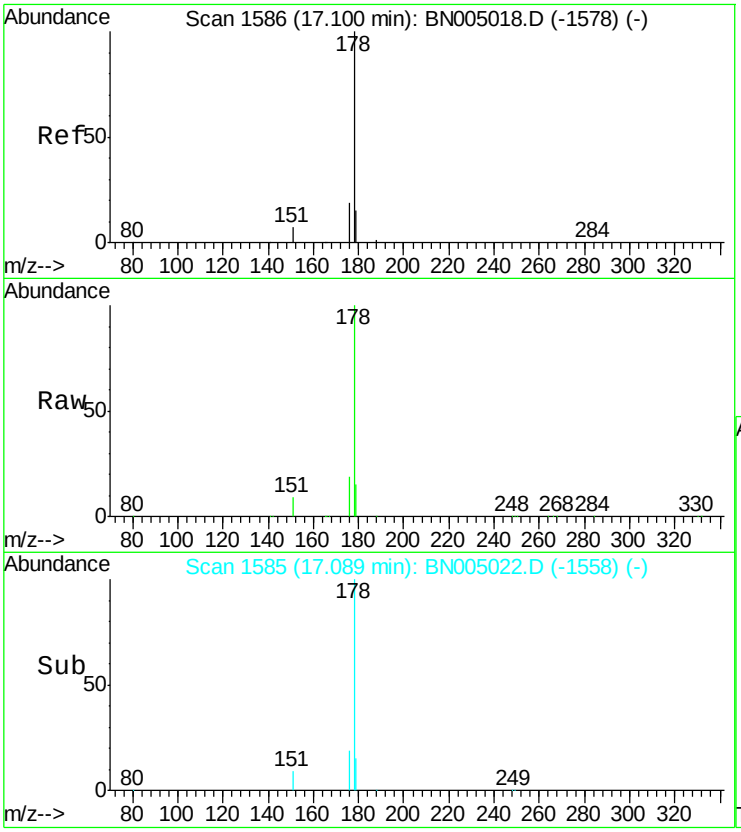


#22
Pentachlorophenol
Concen: 7.082 ng
RT: 16.72 min Scan# 1550
Delta R.T. -0.02 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Tgt Ion:266 Resp: 18981

Ion	Ratio	Lower	Upper
266	100		
264	61.1	53.4	80.0
268	66.3	58.9	88.3



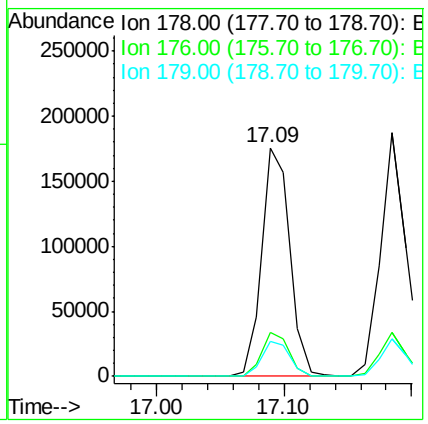


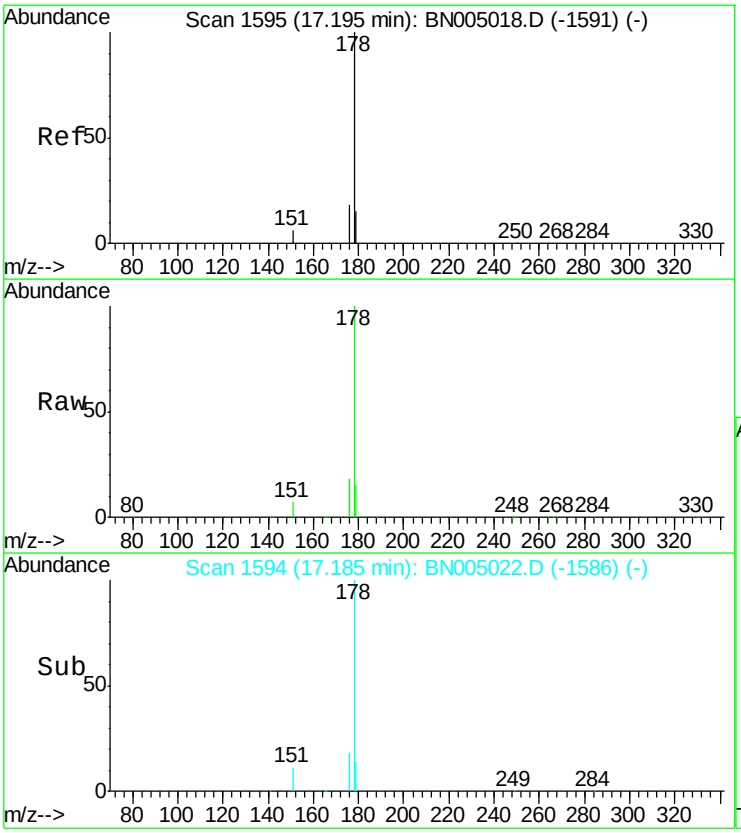
#23
Phenanthrene
Concen: 4.550 ng
RT: 17.09 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 269296

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.4	12.2	18.2

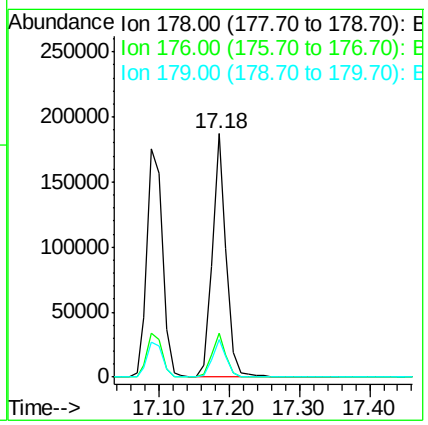


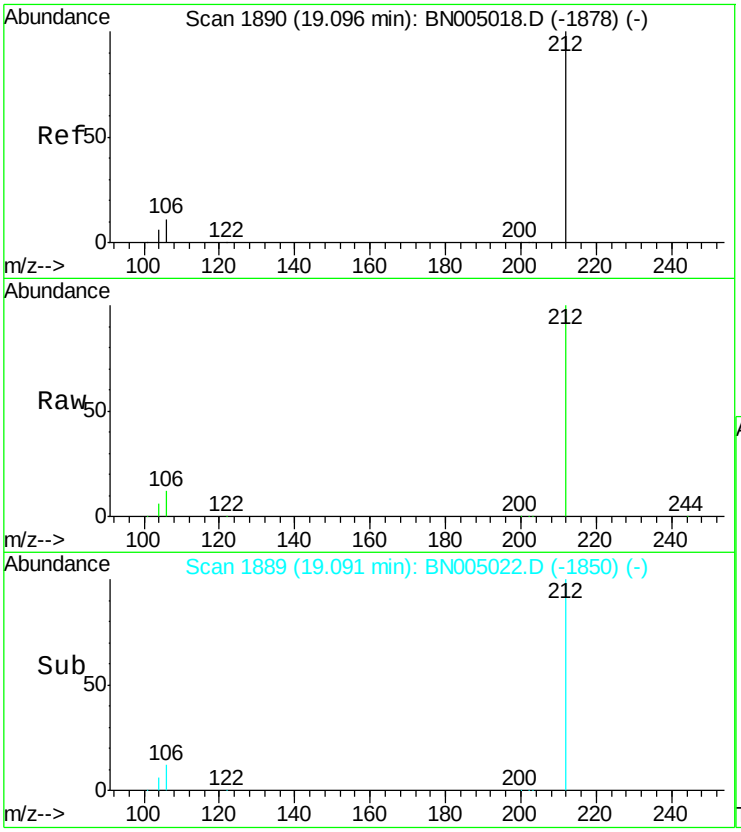


#24
Anthracene
Concen: 4.899 ng
RT: 17.18 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Tgt Ion:178 Resp: 259006

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	22.0
179	15.4	12.3	18.5



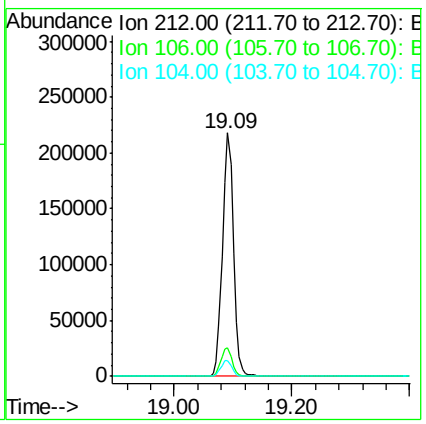


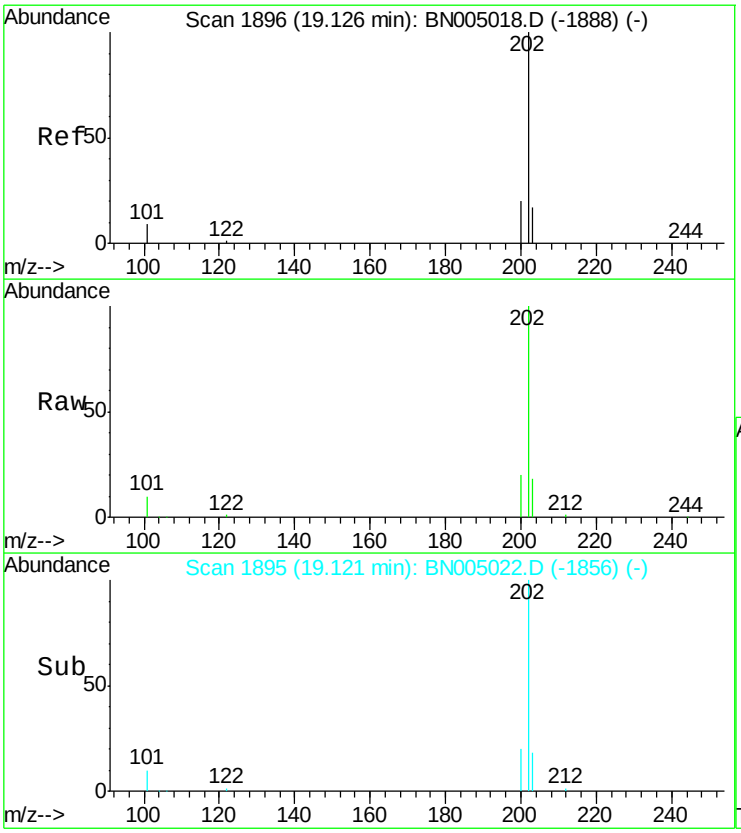
#25
Fluoranthene-d10
Concen: 4.587 ng
RT: 19.09 min Scan# 1889
Delta R.T. -0.00 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:212 Resp: 281558

Ion	Ratio	Lower	Upper
212	100		
106	11.9	9.4	14.2
104	6.6	5.4	8.0

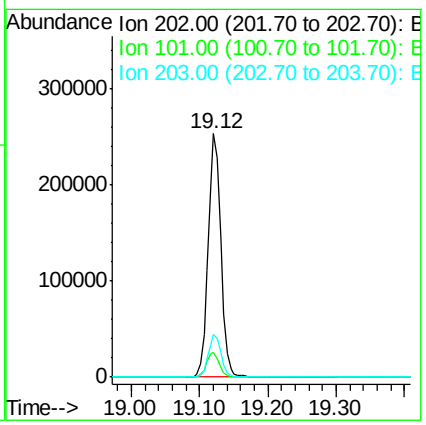


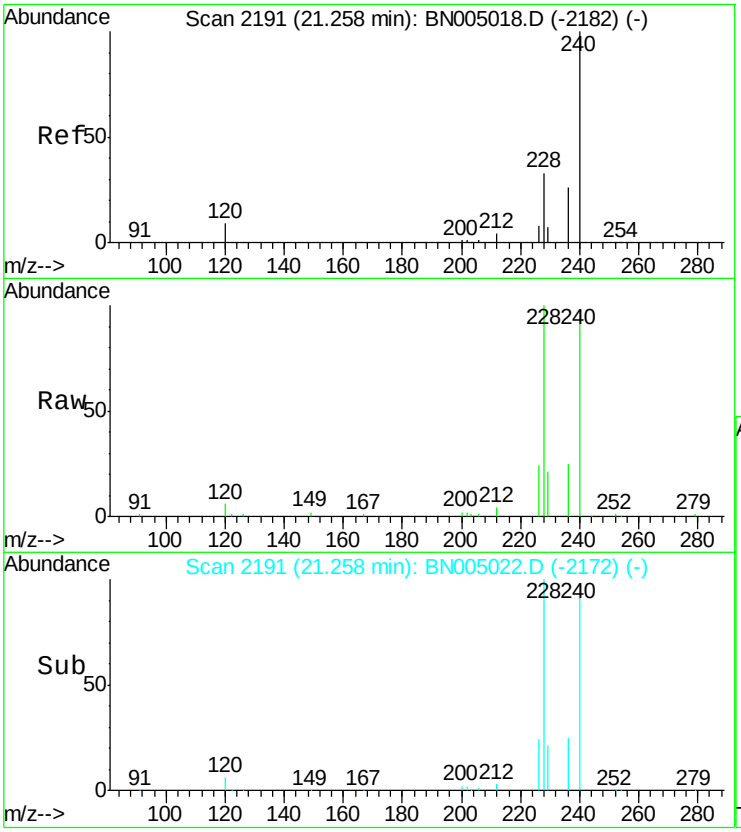


#26
Fluoranthene
Concen: 4.327 ng
RT: 19.12 min Scan# 1895
Delta R.T. -0.00 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Tgt Ion:202 Resp: 329123

Ion	Ratio	Lower	Upper
202	100		
101	10.3	8.2	12.2
203	17.5	13.8	20.8



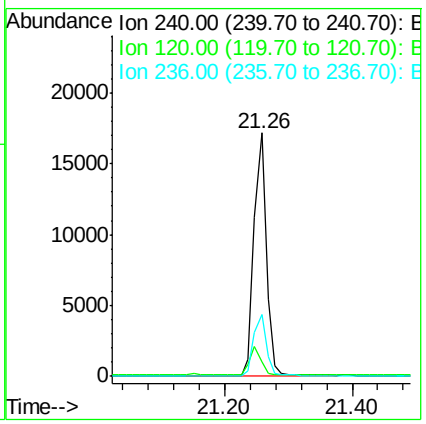


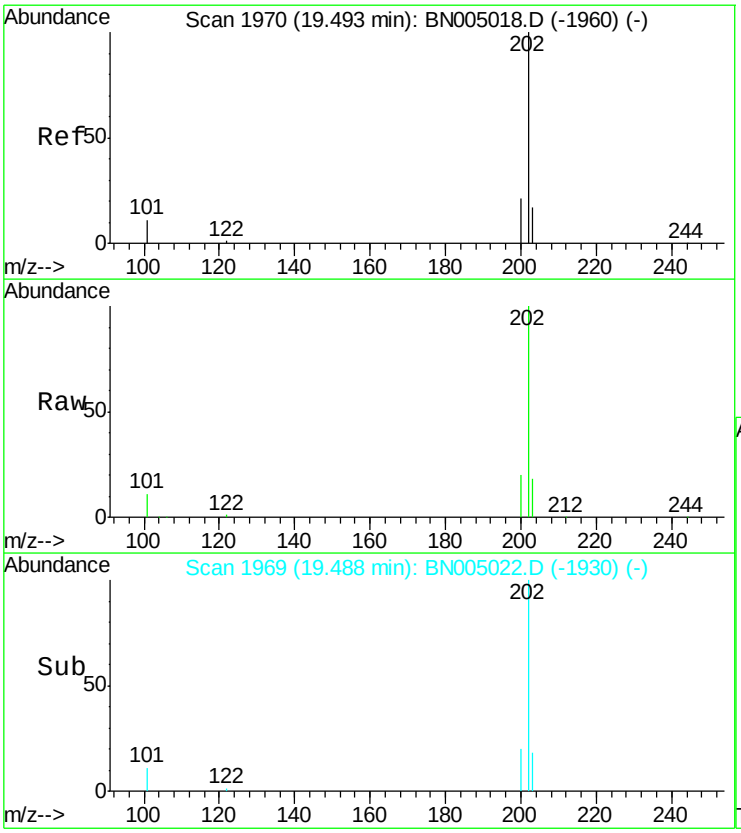
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.26 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:240 Resp: 22945

Ion	Ratio	Lower	Upper
240	100		
120	6.2	7.4	11.0#
236	25.3	21.0	31.6

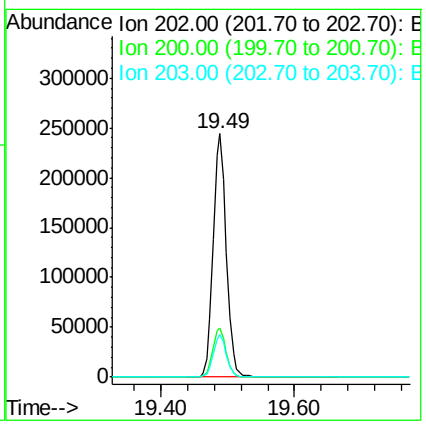


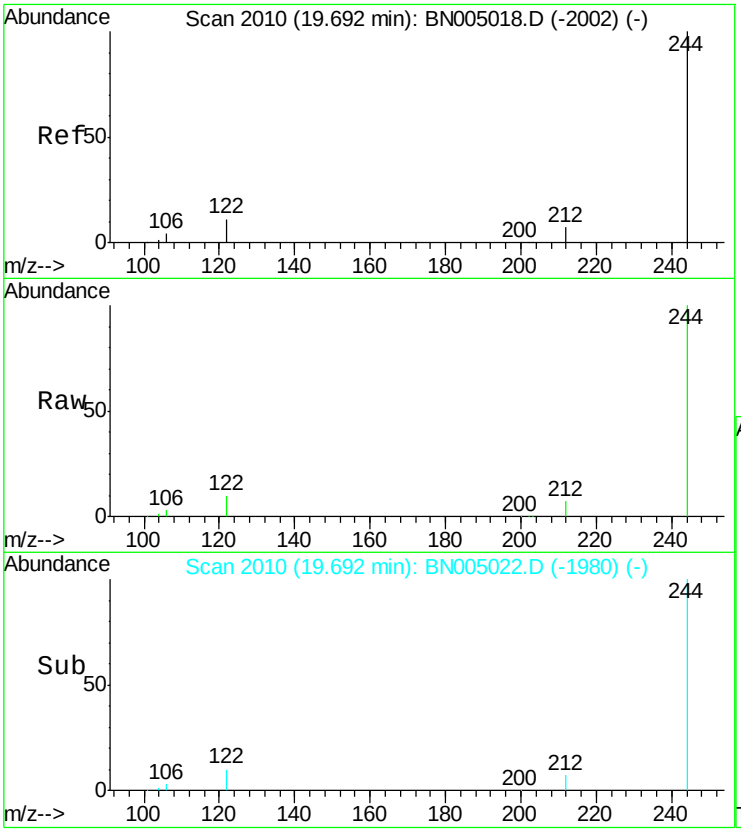


#28
Pyrene
Concen: 4.751 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Tgt Ion:202 Resp: 332384

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.5	24.7
203	17.6	13.9	20.9



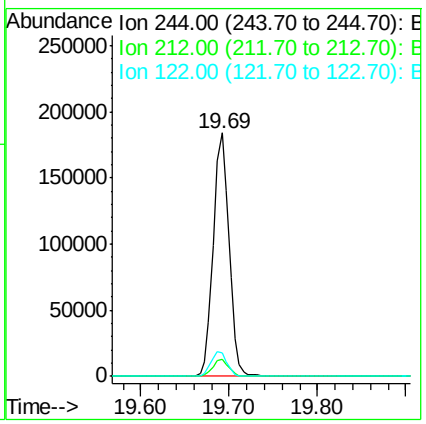


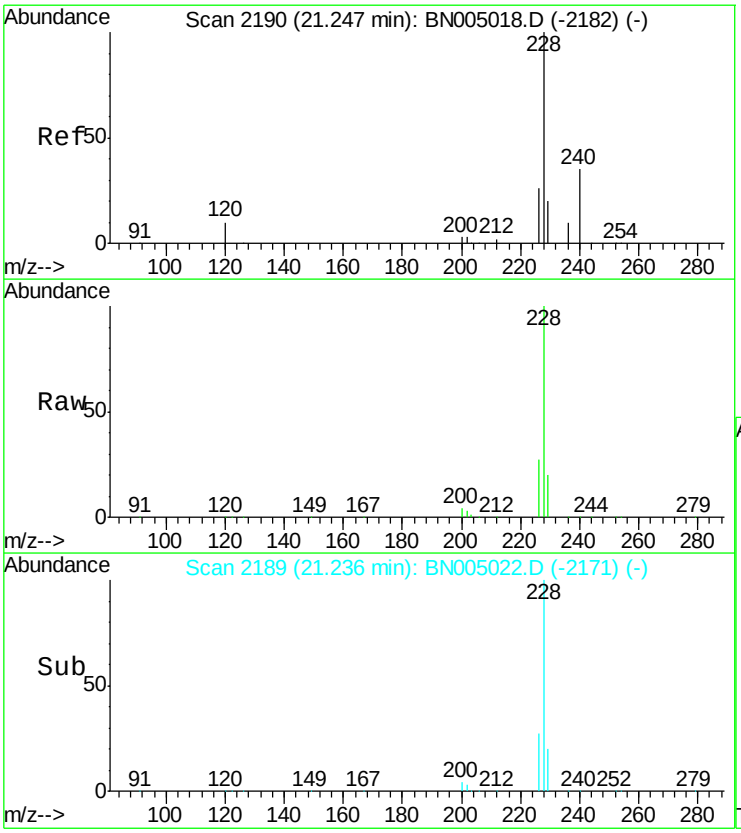
#29
Terphenyl-d14
Concen: 4.842 ng
RT: 19.69 min Scan# 2010
Delta R.T. 0.00 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:244 Resp: 227332

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	9.9	9.0	13.4

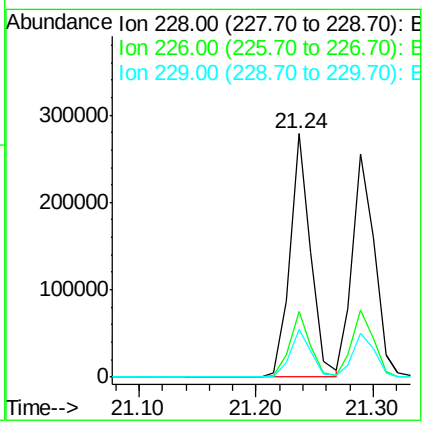


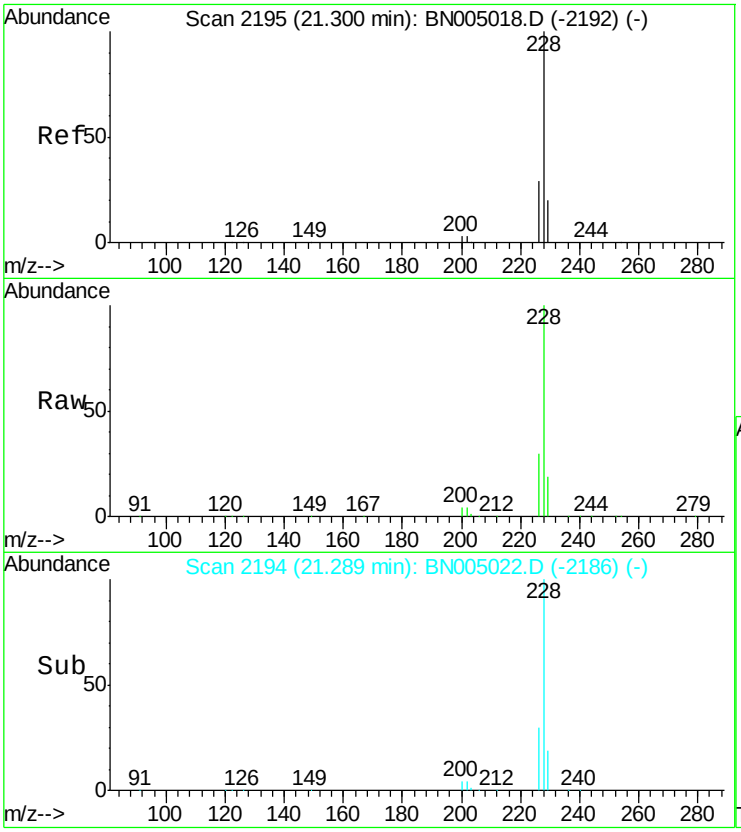


#30
Benzo(a)anthracene
Concen: 4.554 ng
RT: 21.24 min Scan# 2189
Delta R.T. -0.01 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Tgt Ion:228 Resp: 342684

Ion	Ratio	Lower	Upper
228	100		
226	27.0	20.9	31.3
229	19.5	16.2	24.2



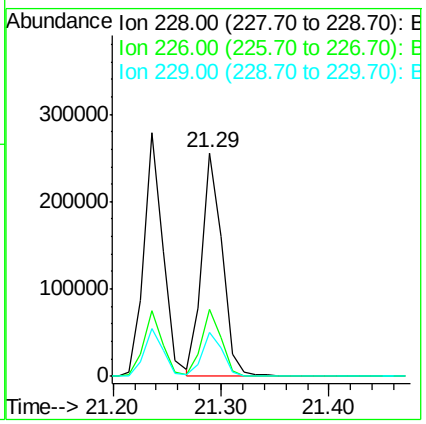


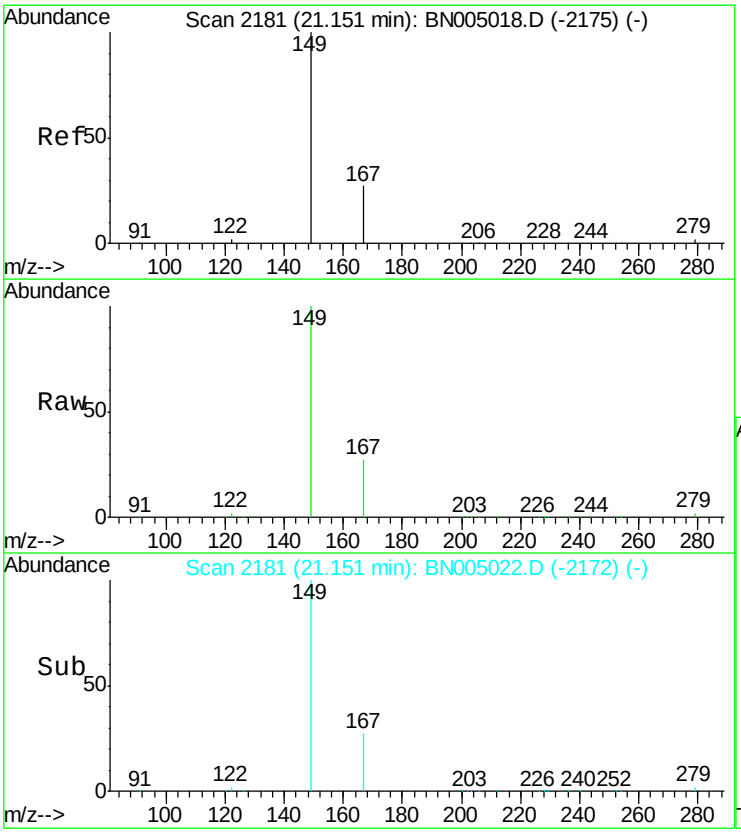
#31
Chrysene
Concen: 4.209 ng
RT: 21.29 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 333560

Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.8	34.2
229	19.4	16.2	24.4

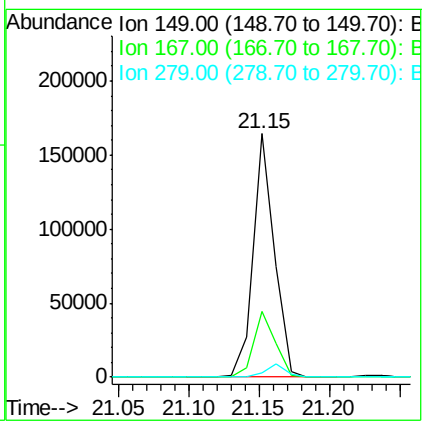


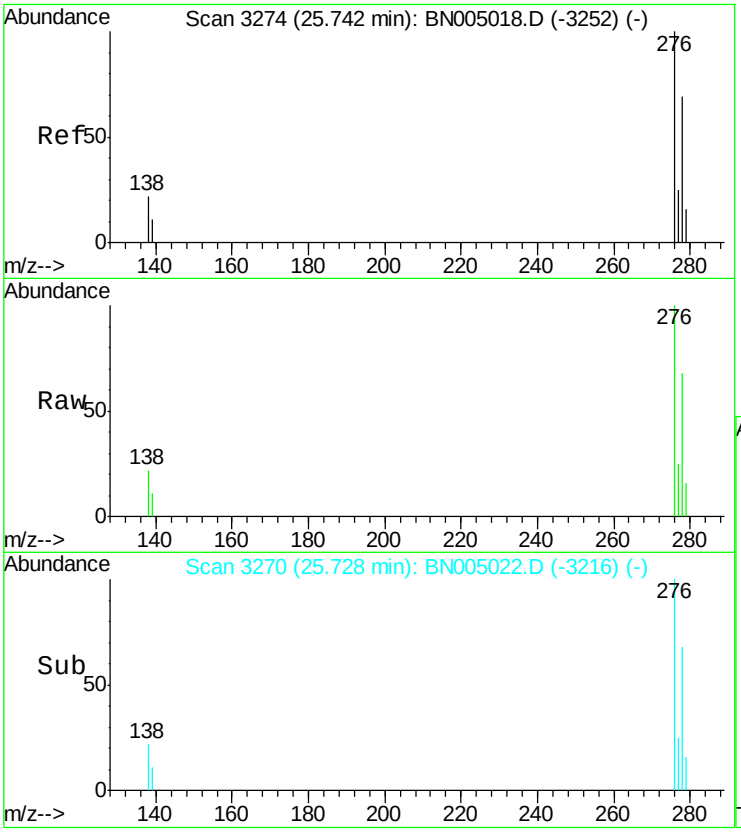


#32
Bis(2-ethylhexyl)phthalate
Concen: 5.700 ng
RT: 21.15 min Scan# 2181
Delta R.T. 0.00 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Tgt Ion:149 Resp: 171376

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.2	33.4
279	5.2	4.2	6.4



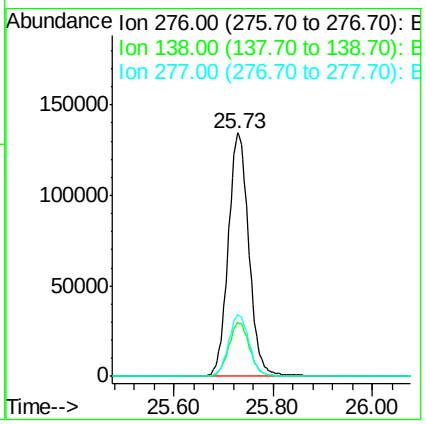


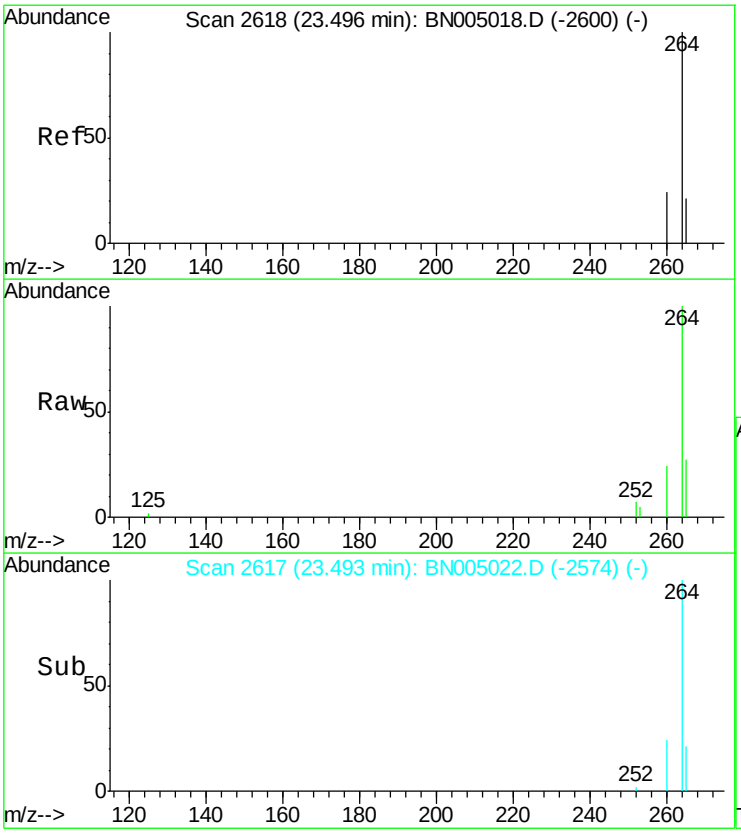
#33
Indeno(1,2,3-cd)pyrene
Concen: 3.359 ng
RT: 25.73 min Scan# 3270
Delta R.T. -0.01 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 385162

Ion	Ratio	Lower	Upper
276	100		
138	22.5	18.2	27.2
277	25.4	20.3	30.5

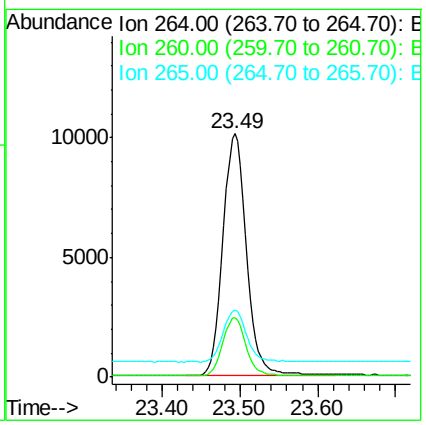


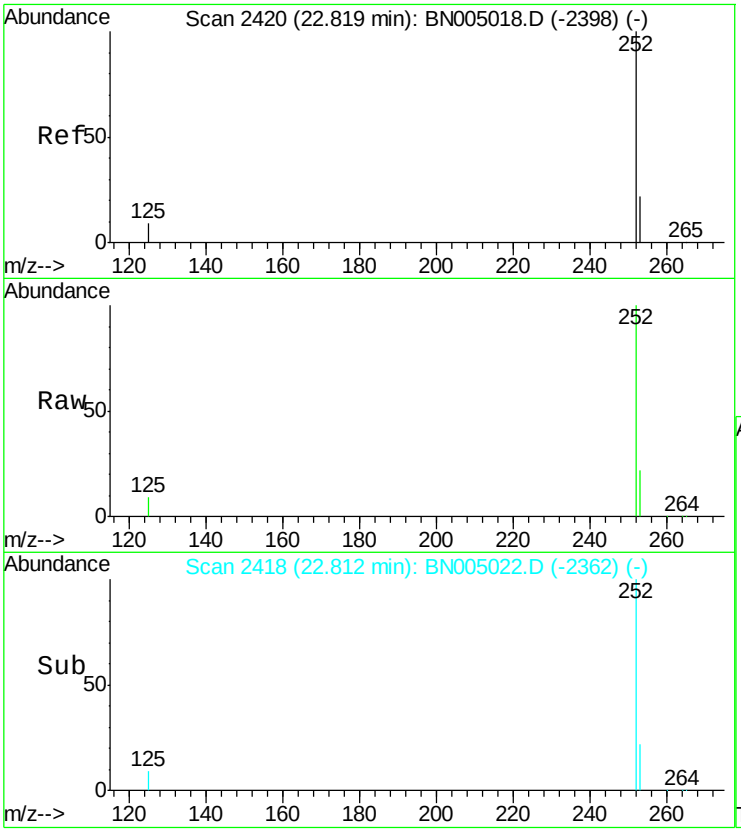


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.49 min Scan# 2617
Delta R.T. -0.00 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Tgt Ion:264 Resp: 21166

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.0
265	27.3	22.5	33.7



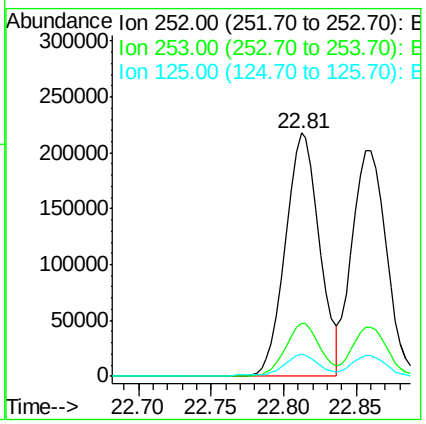


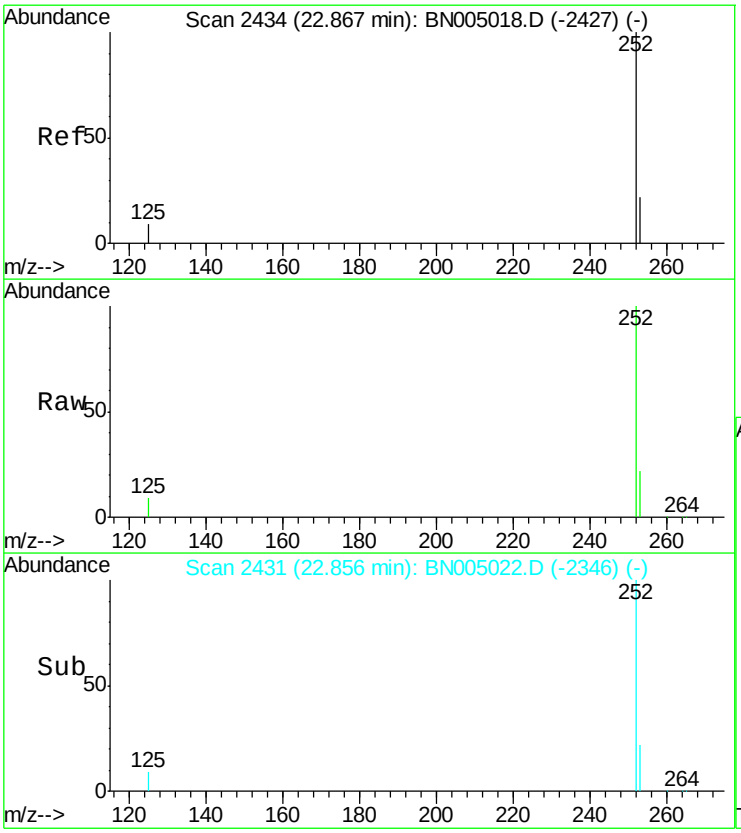
#35
Benzo(b)fluoranthene
Concen: 4.657 ng
RT: 22.81 min Scan# 2418
Delta R.T. -0.01 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 356557

Ion	Ratio	Lower	Upper
252	100		
253	21.9	19.2	28.8
125	9.2	8.2	12.2

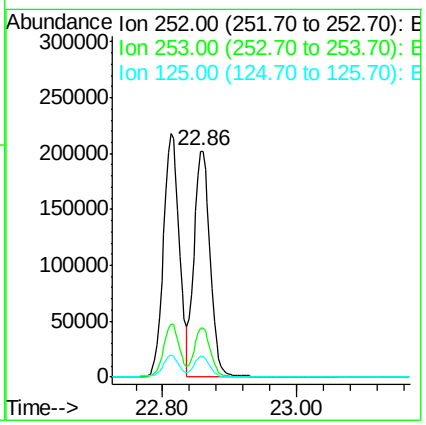


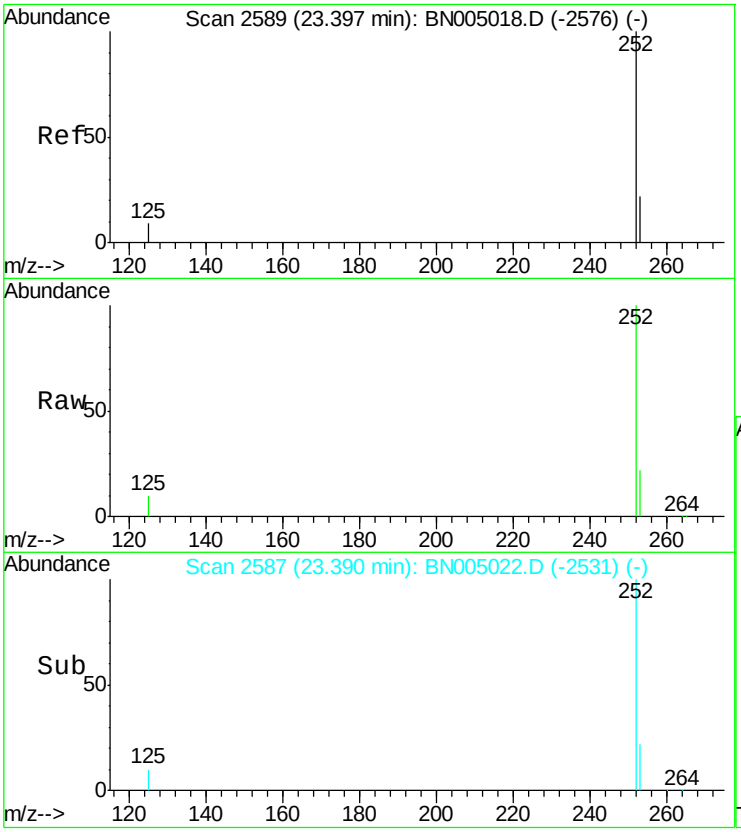


#36
Benzo(k)fluoranthene
Concen: 4.461 ng
RT: 22.86 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Tgt Ion:252 Resp: 336017

Ion	Ratio	Lower	Upper
252	100		
253	22.0	19.3	28.9
125	9.2	8.2	12.2



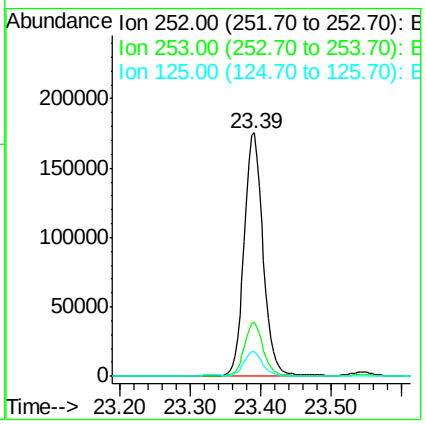


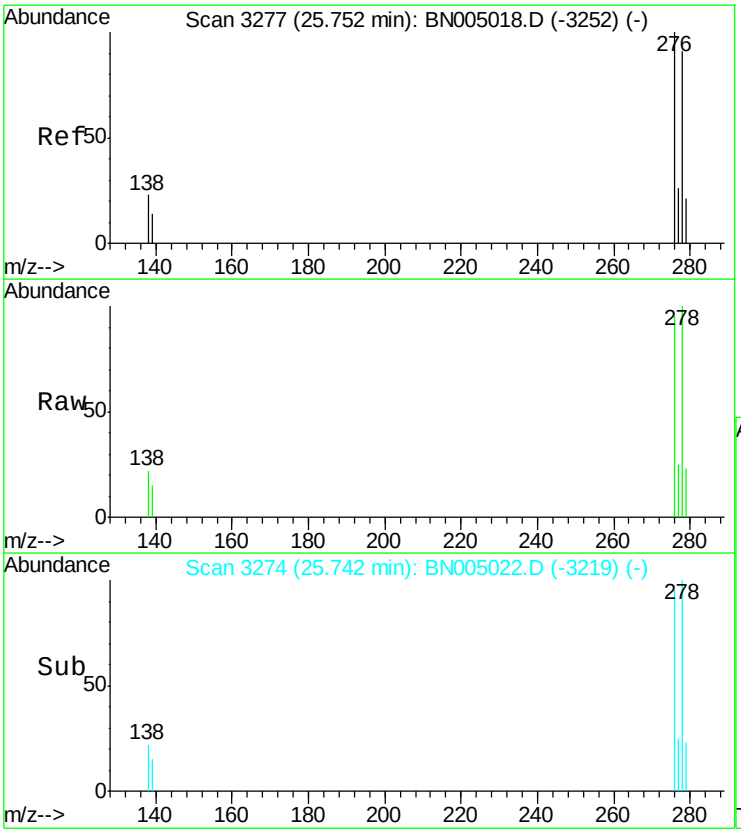
#37
Benzo(a)pyrene
Concen: 4.612 ng
RT: 23.39 min Scan# 2587
Delta R.T. -0.01 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 323987

Ion	Ratio	Lower	Upper
252	100		
253	22.2	20.2	30.2
125	10.0	9.2	13.8

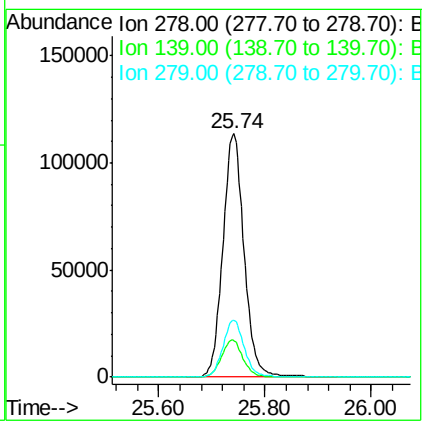


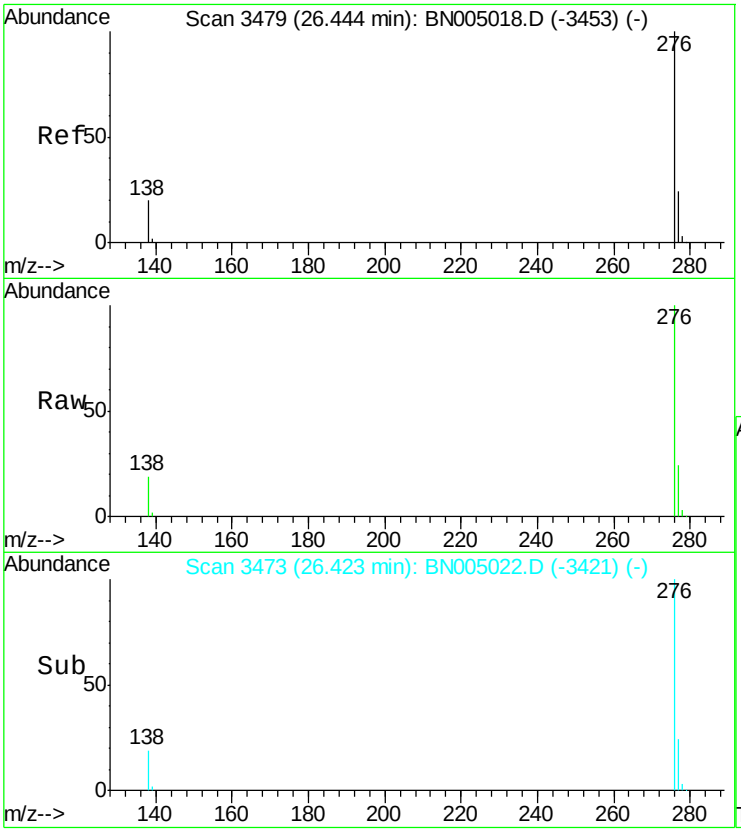


#38
Dibenzo(a,h)anthracene
Concen: 3.873 ng
RT: 25.74 min Scan# 3274
Delta R.T. -0.01 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Tgt Ion:278 Resp: 315119

Ion	Ratio	Lower	Upper
278	100		
139	15.0	13.1	19.7
279	23.4	20.2	30.2





#39
Benzo(g,h,i)perylene
Concen: 3.735 ng
RT: 26.42 min Scan# 3473
Delta R.T. -0.02 min
Lab File: BN005022.D
Acq: 28 Mar 2019 21:00

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 309618

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.8	29.6
138	19.1	16.4	24.6