Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN040219\
Data File : BN005061.D
Acq On : 02 Apr 2019 14:35
Operator : JU/SJ
Sample : K2073-02MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : P001-TW001-03MS

Quant Time: Apr 02 16:20:58 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 03:42:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	3028	0.40	ng		0.00
7) Naphthalene-d8	10.44	136	12745	0.40	ng		0.00
13) Acenaphthene-d10	14.30	164	7005	0.40	ng		0.00
19) Phenanthrene-d10	17.06	188	16066	0.40	ng		0.00
27) Chrysene-d12	21.26	240	16898	0.40	ng		0.00
34) Perylene-d12	23.50	264	14958	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.26	112	1426	0.19	ng		0.00
5) Phenol-d6	6.85	99	1071	0.12	ng		0.00
8) Nitrobenzene-d5	8.82	82	2906	0.39	ng		-0.01
11) 2-Methylnaphthalene-d10	12.04	152	8230	0.42	ng		0.00
14) 2,4,6-Tribromophenol	15.81	330	1485	0.38	ng		0.00
15) 2-Fluorobiphenyl	12.92	172	12008	0.45	ng		0.00
25) Fluoranthene-d10	19.10	212	18790	0.41	ng		0.00
29) Terphenyl-d14	19.69	244	16130	0.46	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.19	88	1150	0.353	ng	#	85
3) n-Nitrosodimethylamine	3.54	42	249	0.125	ng	#	95
6) bis(2-Chloroethyl)ether	7.10	93	3263	0.386	ng		96
9) Naphthalene	10.49	128	12891	0.402	ng		100
10) Hexachlorobutadiene	10.76	225	2106	0.354	ng	#	99
12) 2-Methylnaphthalene	12.11	142	9117	0.395	ng		98
16) Acenaphthylene	14.02	152	12729	0.385	ng		100
17) Acenaphthene	14.37	154	8609	0.410	ng		99
18) Fluorene	15.36	166	11615	0.412	ng		99
20) 4-Bromophenyl-phenylether	16.25	248	3797	0.413	ng		96
21) Hexachlorobenzene	16.36	284	4249	0.418	ng		98
22) Pentachlorophenol	16.73	266	1676	0.841	ng		97
23) Phenanthrene	17.10	178	19048	0.424	ng		99
24) Anthracene	17.20	178	16732	0.418	ng		100
26) Fluoranthene	19.13	202	22142	0.402	ng		100
28) Pyrene	19.49	202	22800	0.475	ng		99
30) Benzo(a)anthracene	21.25	228	19694	0.413	ng		100
31) Chrysene	21.30	228	21096	0.411	ng		99
32) Bis(2-ethylhexyl)phthalate	21.15	149	8246	0.413	ng		100
33) Indeno(1,2,3-cd)pyrene	25.75	276	20970	0.363	ng		100
35) Benzo(b)fluoranthene	22.82	252	20587	0.429	ng		99
36) Benzo(k)fluoranthene	22.87	252	20892	0.451	ng		100
37) Benzo(a)pyrene	23.40	252	18438	0.432	ng		99
38) Dibenzo(a,h)anthracene	25.75	278	17425	0.408	ng		100
39) Benzo(g,h,i)perylene	26.44	276	17718	0.412	ng		99

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

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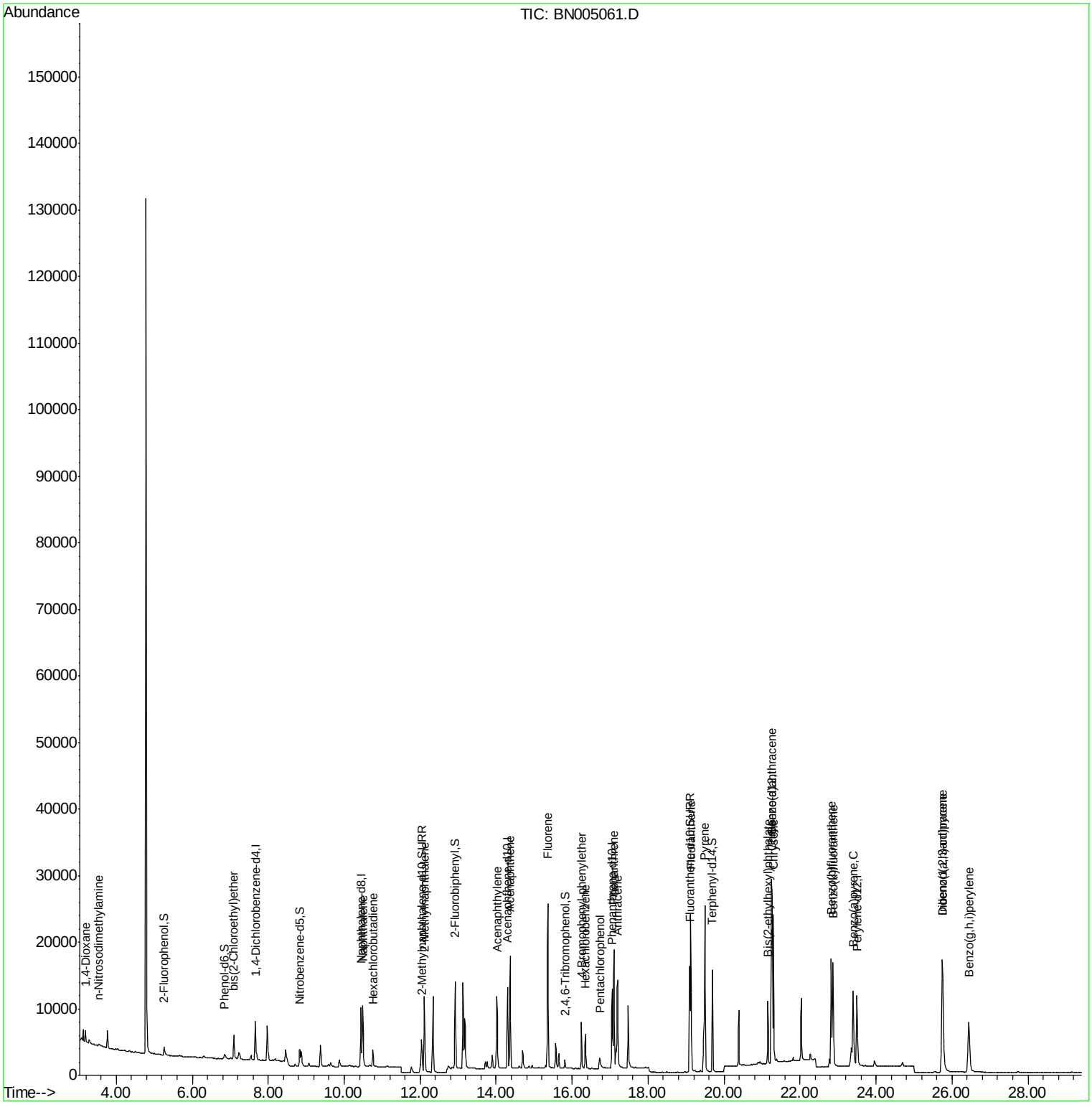
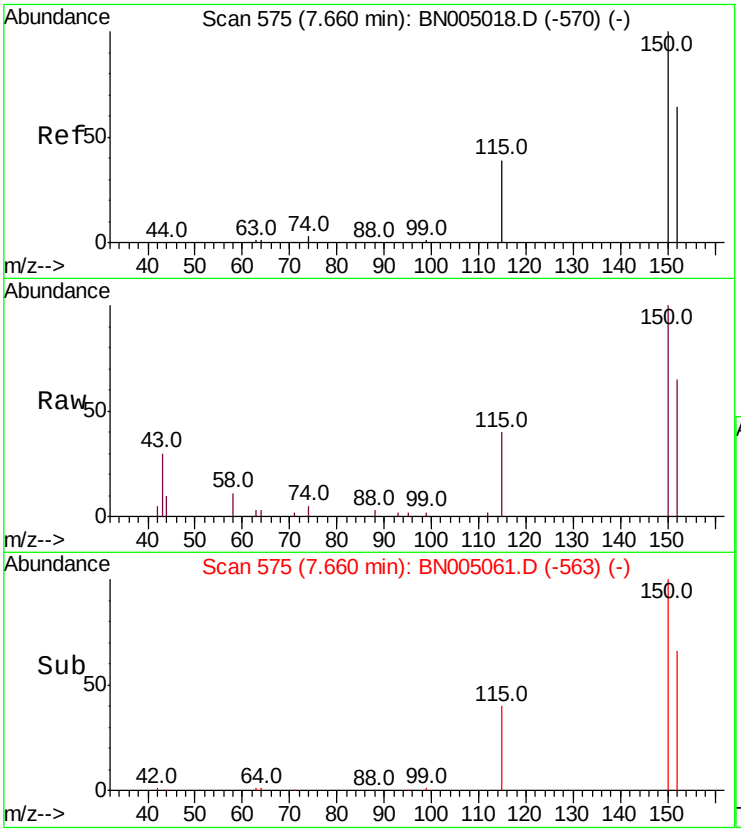
Data File : BN005061.D
Acq On : 02 Apr 2019 14:35
Operator : JU/SJ
Sample : K2073-02MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
P001-TW001-03MS

Quant Time: Apr 02 16:20:58 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 03:42:17 2019
Response via : Initial Calibration



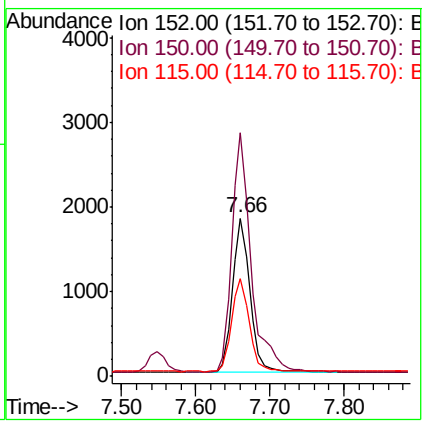


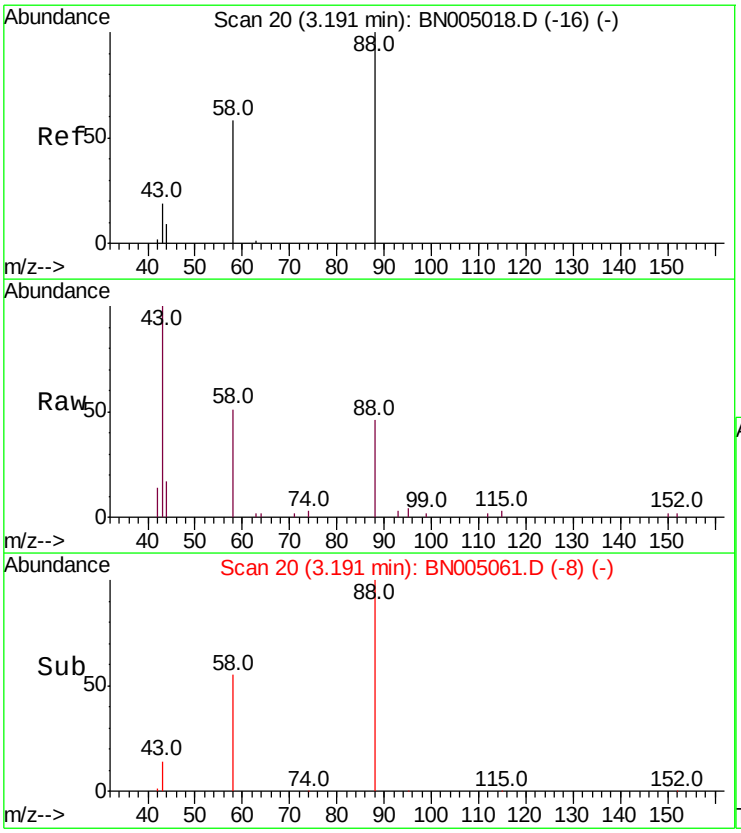
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.66 min Scan# 575
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Instrument :
BNA_N
ClientSampleId :
P001-TW001-03MS

Tgt Ion:152 Resp: 3028

Ion	Ratio	Lower	Upper
152	100		
150	153.6	123.4	185.2
115	61.4	50.0	75.0

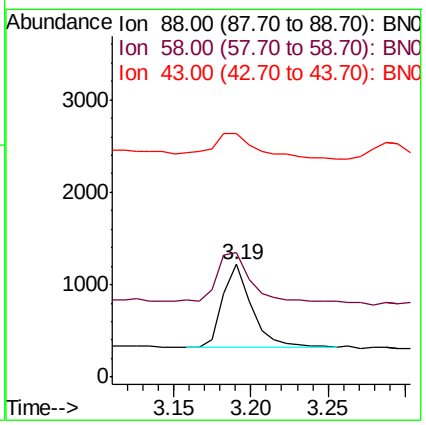


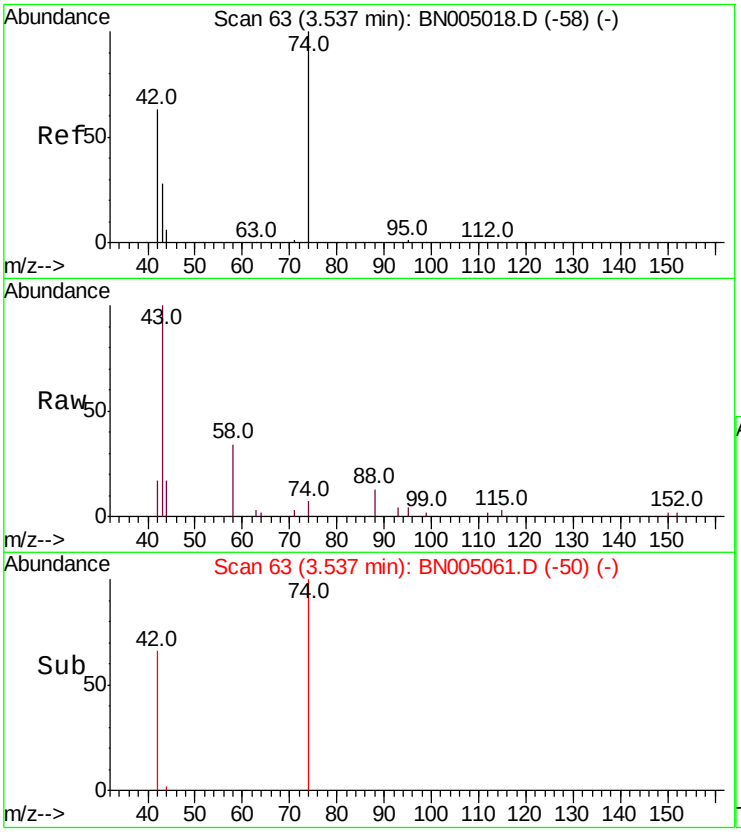


#2
1,4-Dioxane
Concen: 0.353 ng
RT: 3.19 min Scan# 20
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Tgt Ion: 88 Resp: 1150

Ion	Ratio	Lower	Upper
88	100		
58	66.4	52.8	79.2
43	50.7	19.6	29.4#



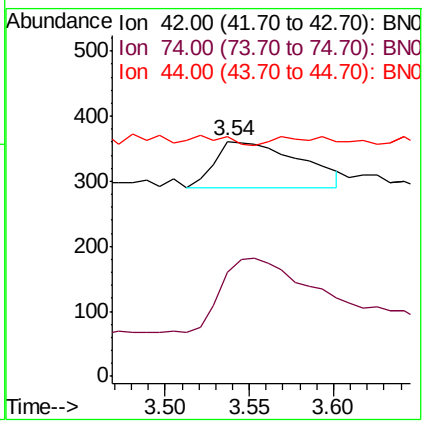


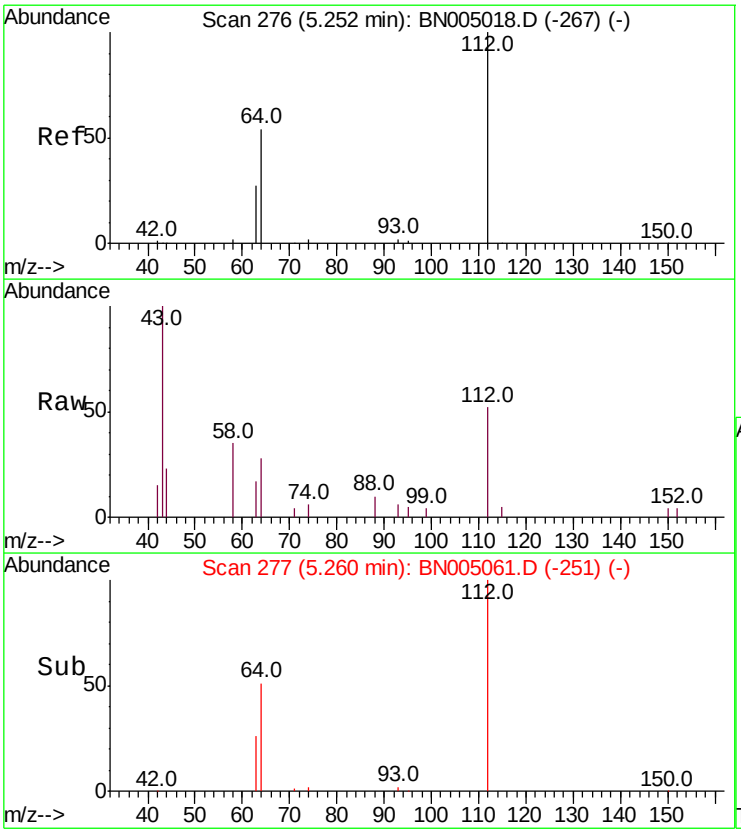
#3
n-Nitrosodimethylamine
Concen: 0.125 ng
RT: 3.54 min Scan# 63
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Instrument :
BNA_N
ClientSampleId :
P001-TW001-03MS

Tgt Ion: 42 Resp: 249

Ion	Ratio	Lower	Upper
42	100		
74	164.7	129.1	193.7
44	0.0	11.6	17.4#

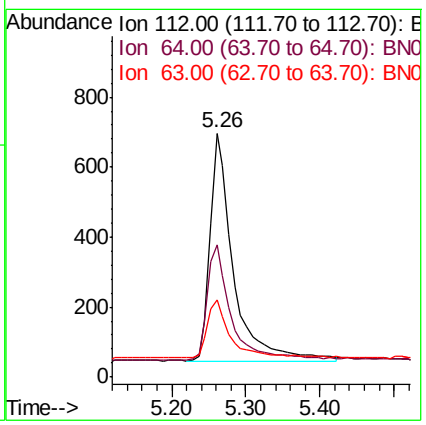


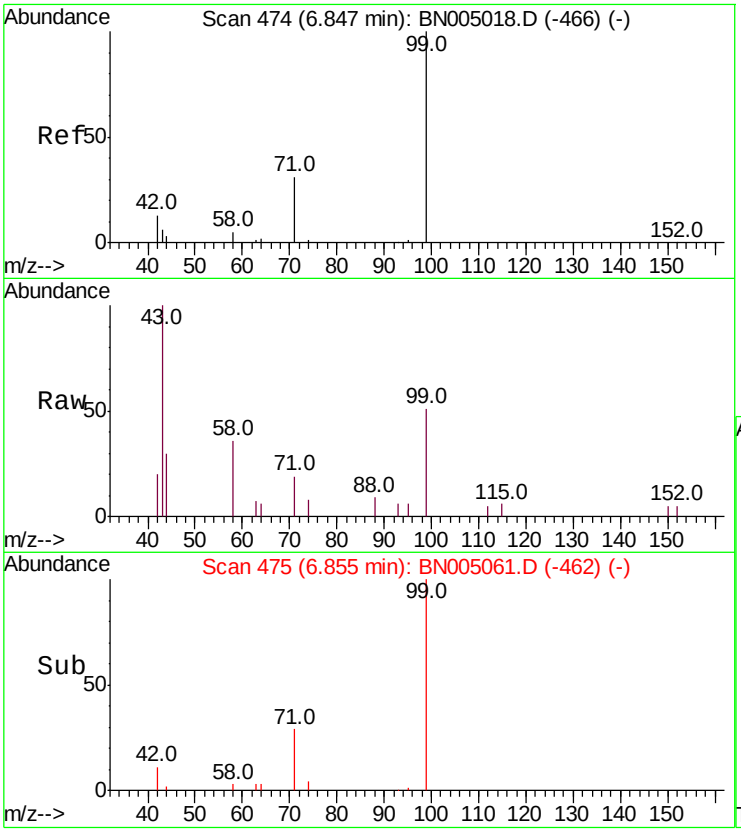


#4
2-Fluorophenol
Concen: 0.189 ng
RT: 5.26 min Scan# 277
Delta R.T. 0.01 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Tgt Ion:112 Resp: 1426

Ion	Ratio	Lower	Upper
112	100		
64	51.5	41.9	62.9
63	25.5	21.5	32.3



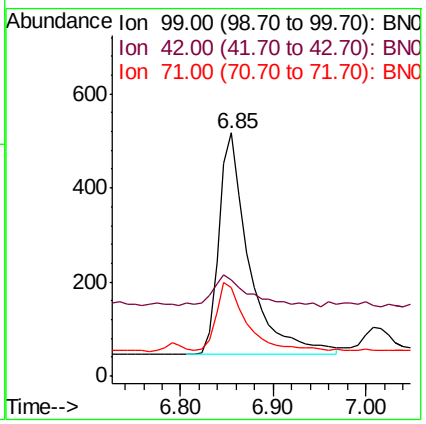


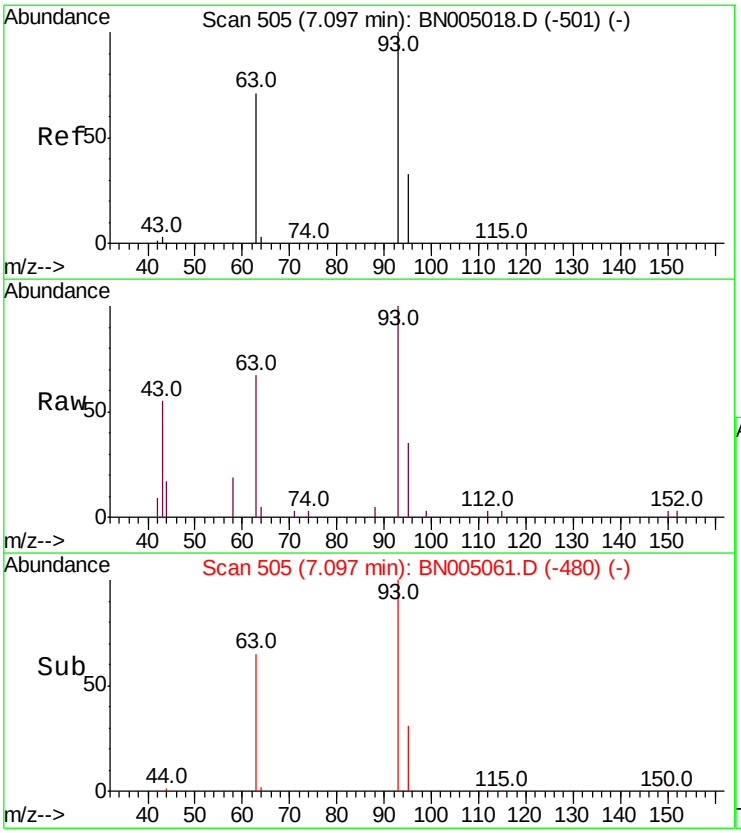
#5
Phenol-d6
Concen: 0.120 ng
RT: 6.85 min Scan# 475
Delta R.T. 0.01 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Instrument :
BNA_N
ClientSampleId :
P001-TW001-03MS

Tgt Ion: 99 Resp: 1071

Ion	Ratio	Lower	Upper
99	100		
42	18.2	12.2	18.2
71	30.7	26.1	39.1

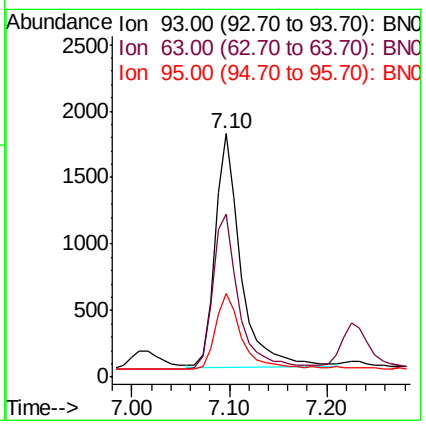


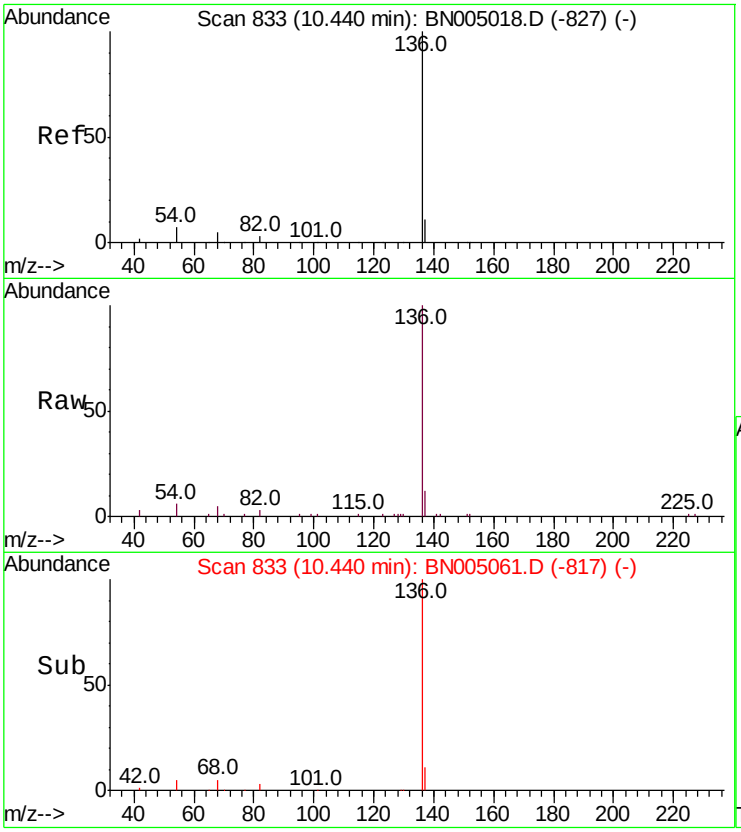


#6
bis(2-Chloroethyl)ether
Concen: 0.386 ng
RT: 7.10 min Scan# 505
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Tgt Ion: 93 Resp: 3263

Ion	Ratio	Lower	Upper
93	100		
63	67.6	51.8	77.6
95	34.0	24.8	37.2



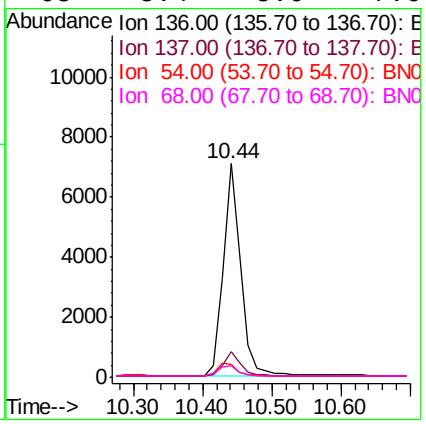


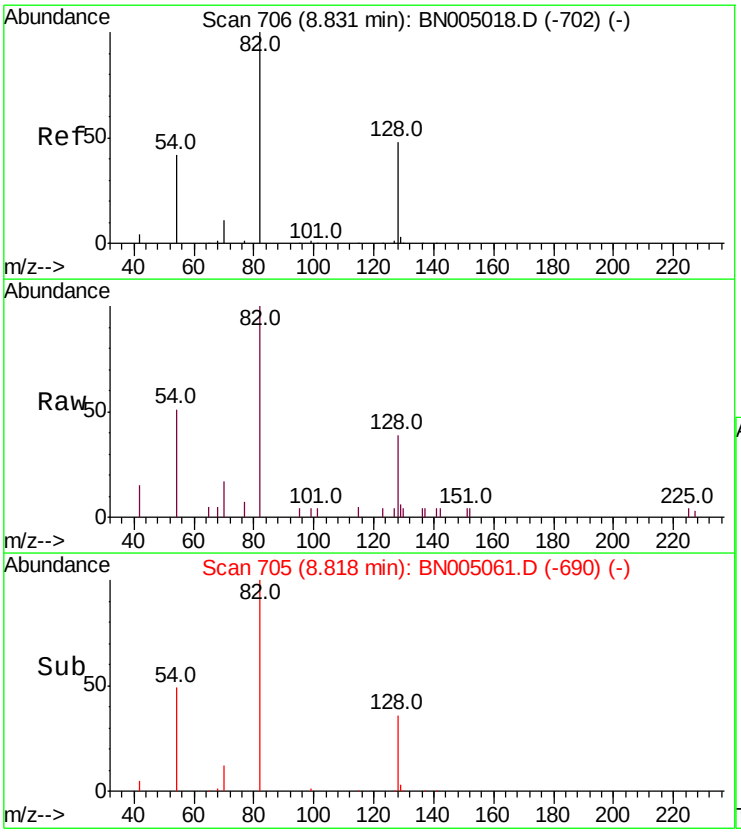
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.44 min Scan# 833
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Instrument : BNA_N
ClientSampleId : P001-TW001-03MS

Tgt Ion:136 Resp: 12745

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	6.1	6.0	9.0
68	5.4	5.0	7.6

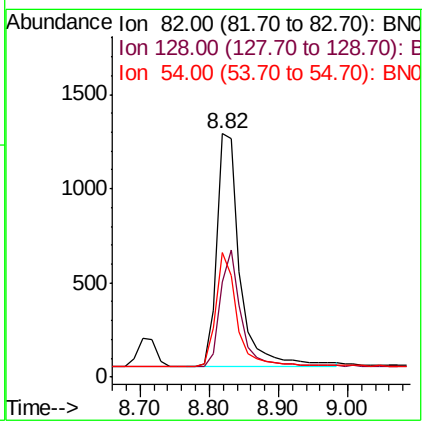


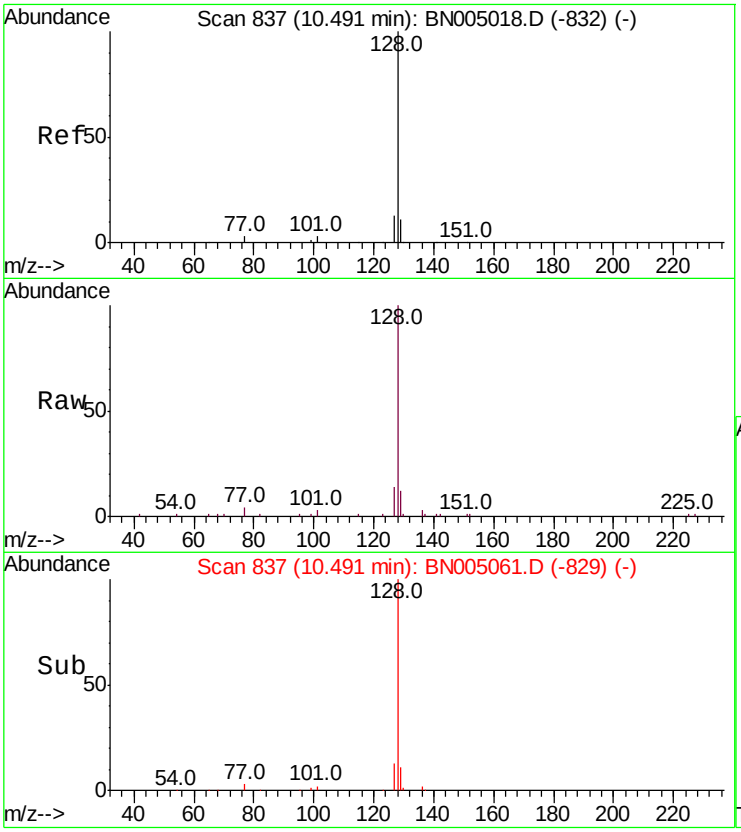


#8
Nitrobenzene-d5
Concen: 0.393 ng
RT: 8.82 min Scan# 705
Delta R.T. -0.01 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Tgt Ion: 82 Resp: 2906

Ion	Ratio	Lower	Upper
82	100		
128	38.9	40.5	60.7#
54	51.4	35.7	53.5



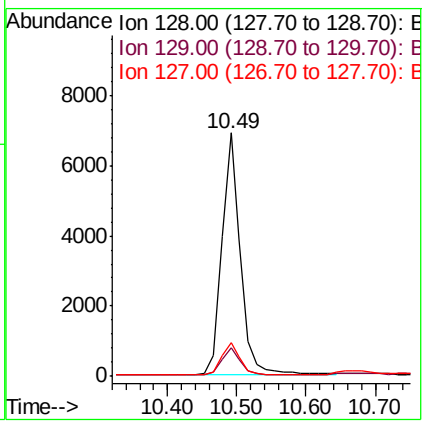


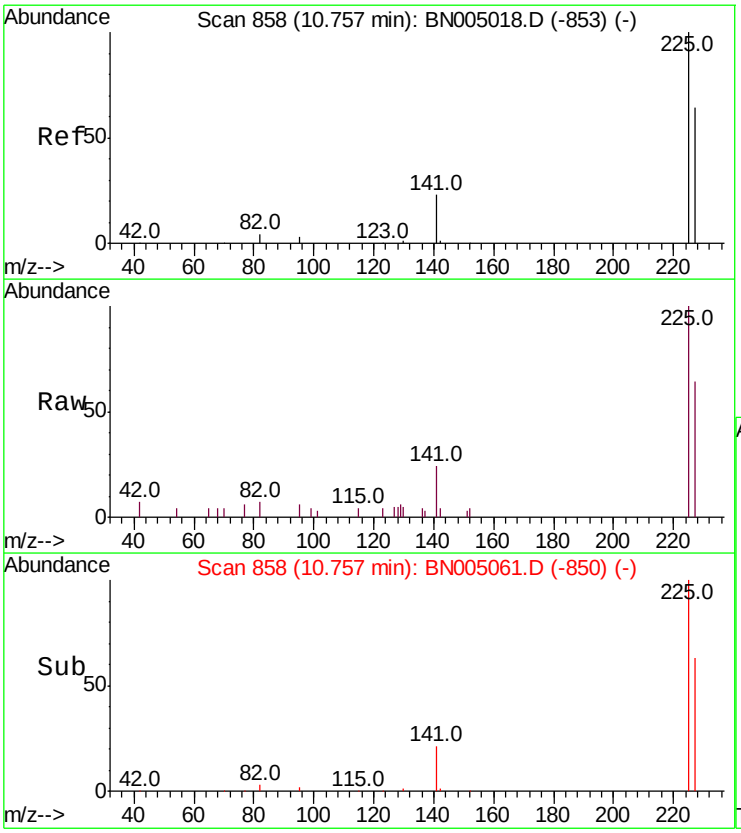
#9
Naphthalene
Concen: 0.402 ng
RT: 10.49 min Scan# 837
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Instrument :
BNA_N
ClientSampleId :
P001-TW001-03MS

Tgt Ion:128 Resp: 12891

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.4	14.2
127	13.8	11.0	16.6

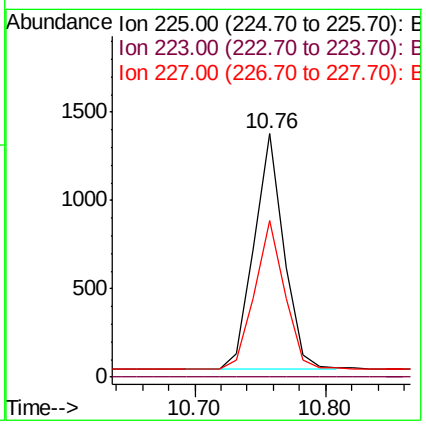


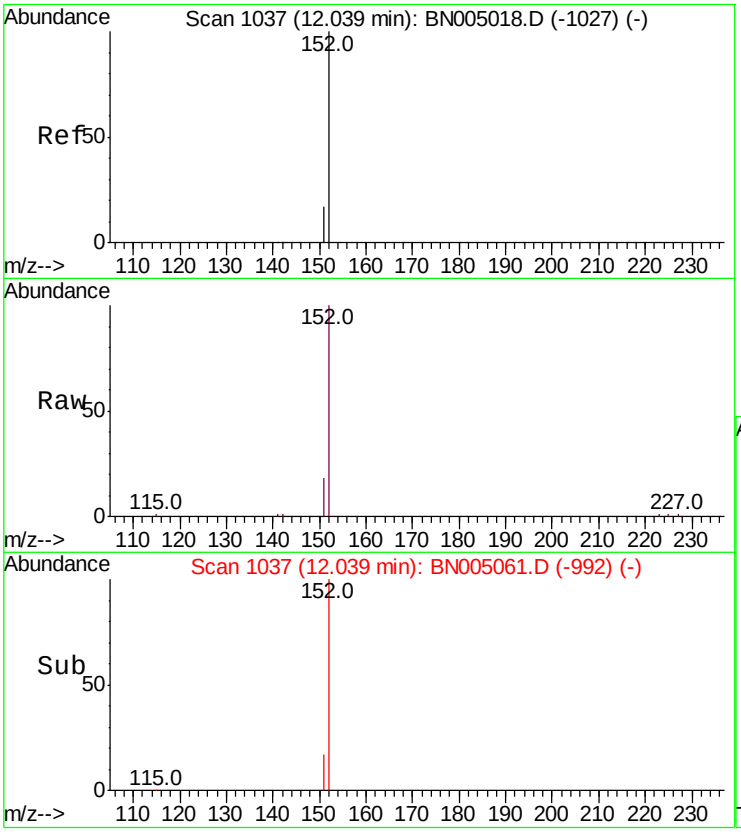


#10
Hexachlorobutadiene
Concen: 0.354 ng
RT: 10.76 min Scan# 858
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Tgt Ion:225 Resp: 2106

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.4	51.5	77.3



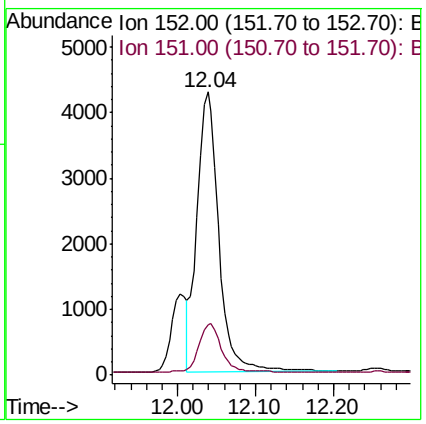


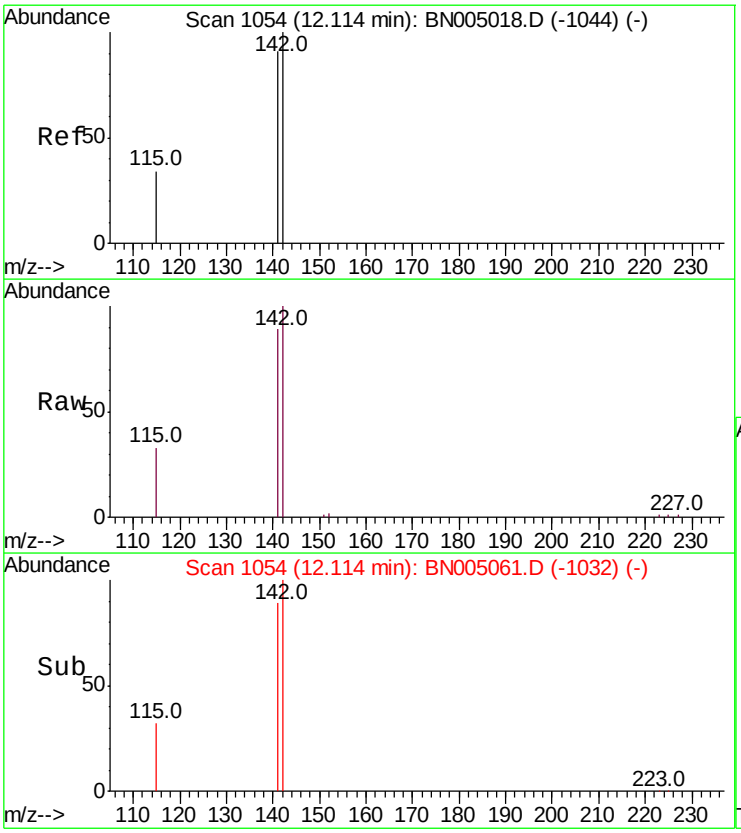
#11
2-Methylnaphthalene-d10
Concen: 0.417 ng
RT: 12.04 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Instrument :
BNA_N
ClientSampleId :
P001-TW001-03MS

Tgt Ion:152 Resp: 8230

Ion	Ratio	Lower	Upper
152	100		
151	18.4	15.3	22.9

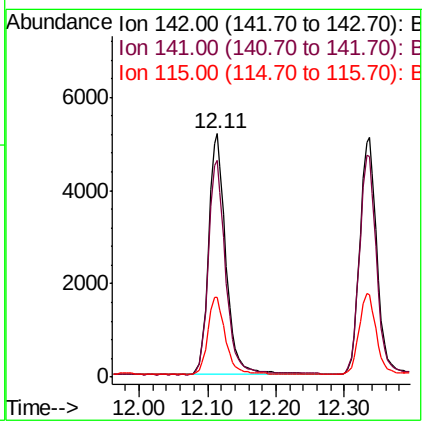


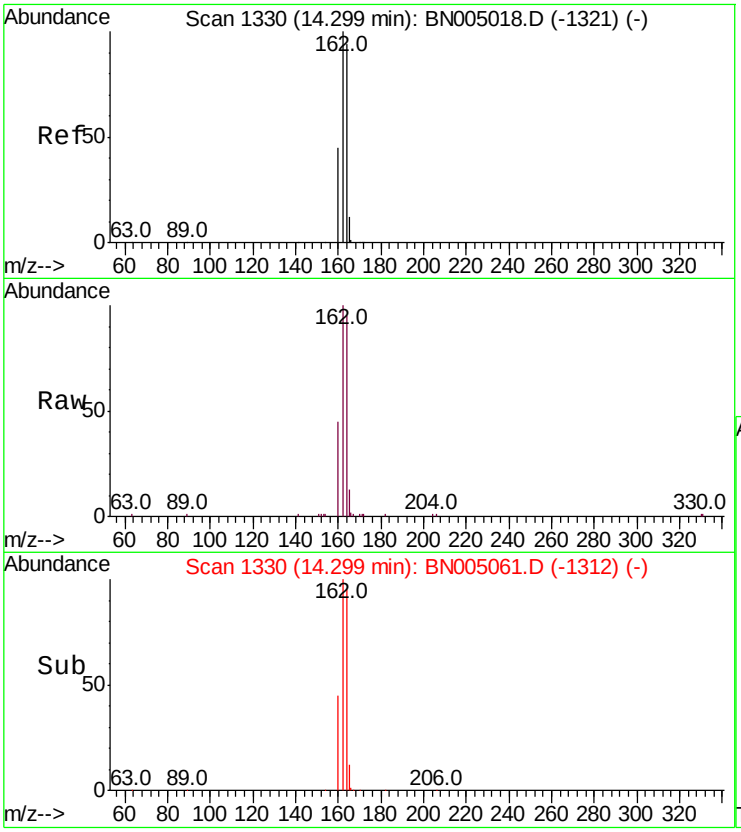


#12
2-Methylnaphthalene
Concen: 0.395 ng
RT: 12.11 min Scan# 1054
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Tgt Ion:142 Resp: 9117

Ion	Ratio	Lower	Upper
142	100		
141	88.8	72.6	108.8
115	32.7	27.8	41.8



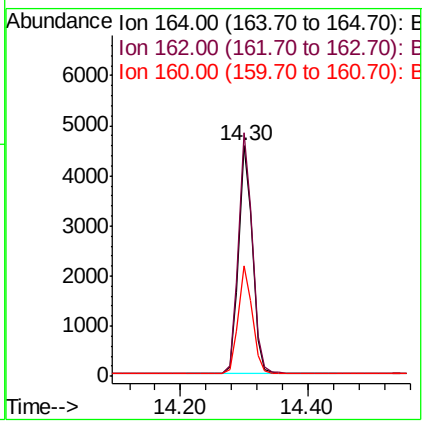


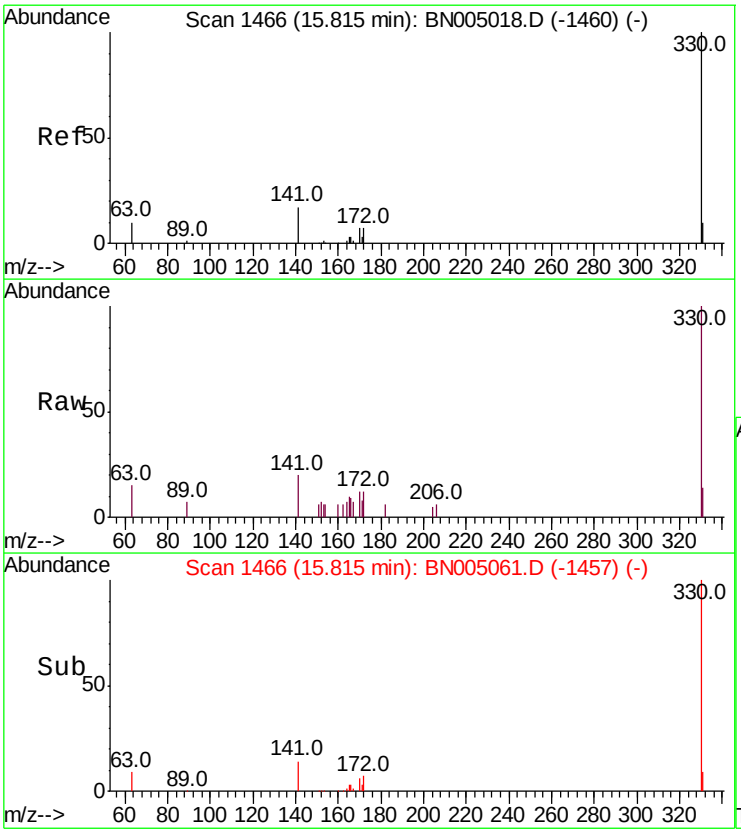
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.30 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Instrument :
BNA_N
ClientSampleId :
P001-TW001-03MS

Tgt Ion:164 Resp: 7005

Ion	Ratio	Lower	Upper
164	100		
162	105.6	85.3	127.9
160	47.7	39.2	58.8

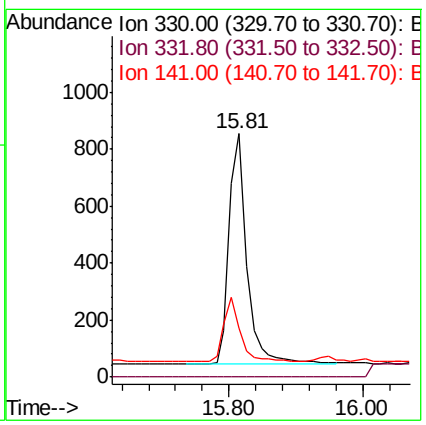


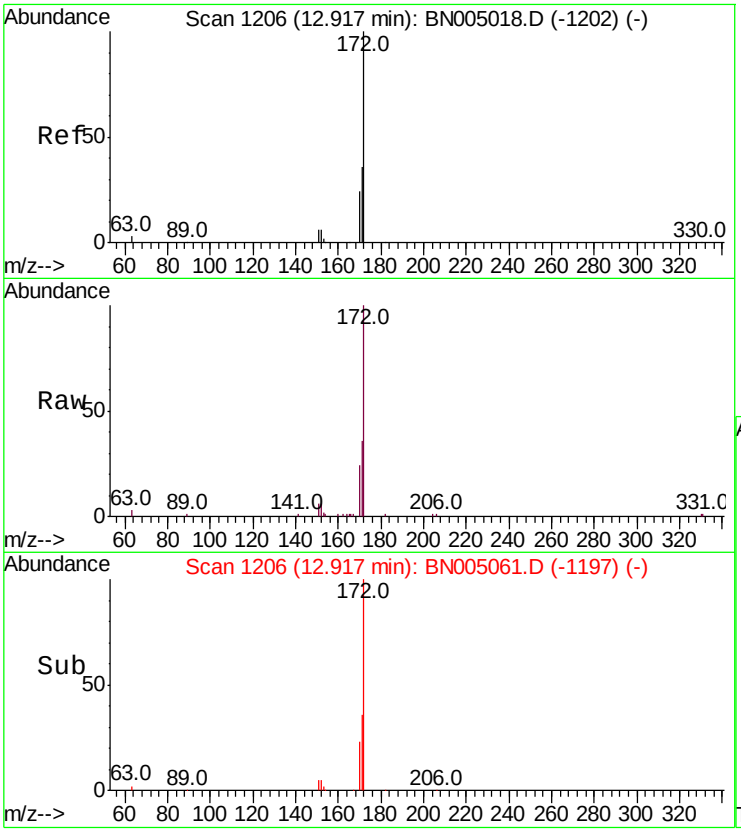


#14
2,4,6-Tribromophenol
Concen: 0.378 ng
RT: 15.81 min Scan# 1466
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Tgt Ion:330 Resp: 1485

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	26.6	21.3	31.9



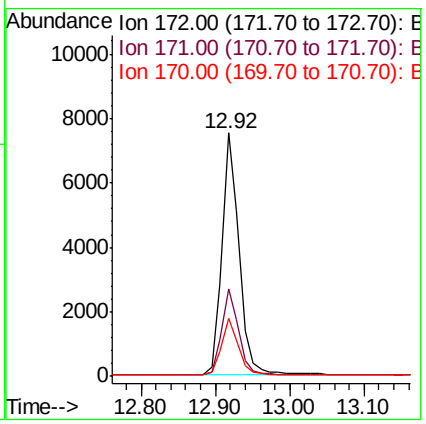


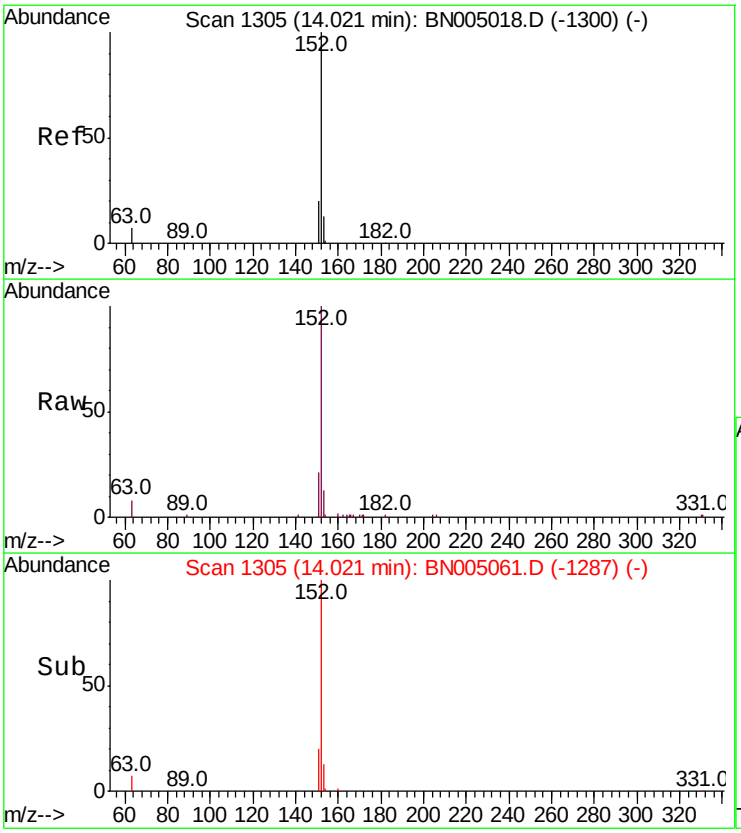
#15
2-Fluorobiphenyl
Concen: 0.454 ng
RT: 12.92 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Instrument :
BNA_N
ClientSampleId :
P001-TW001-03MS

Tgt Ion:172 Resp: 12008

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.4	44.0
170	23.7	20.0	30.0

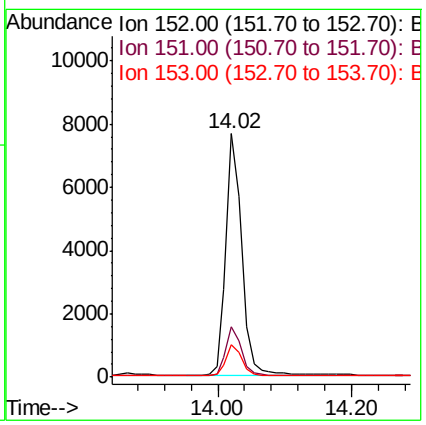


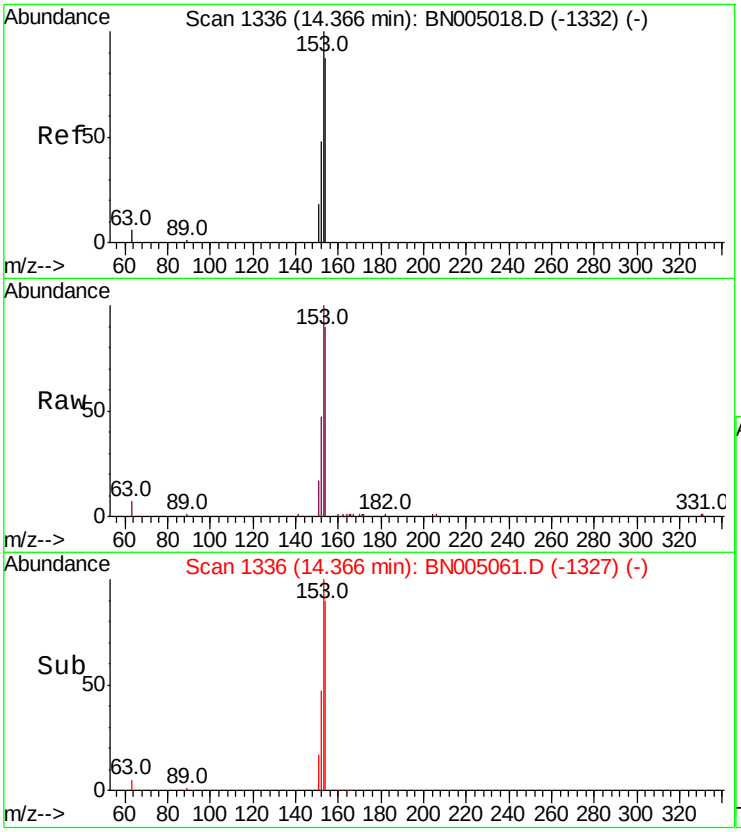


#16
Acenaphthylene
Concen: 0.385 ng
RT: 14.02 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Tgt Ion:152 Resp: 12729

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.6
153	12.9	10.6	15.8



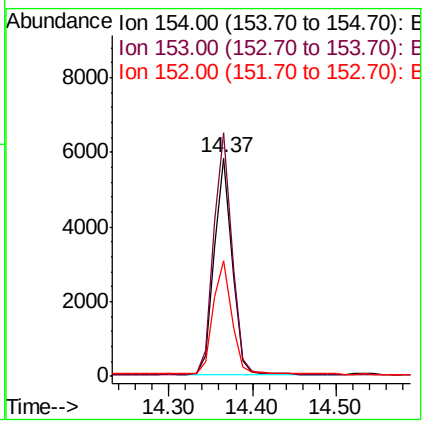


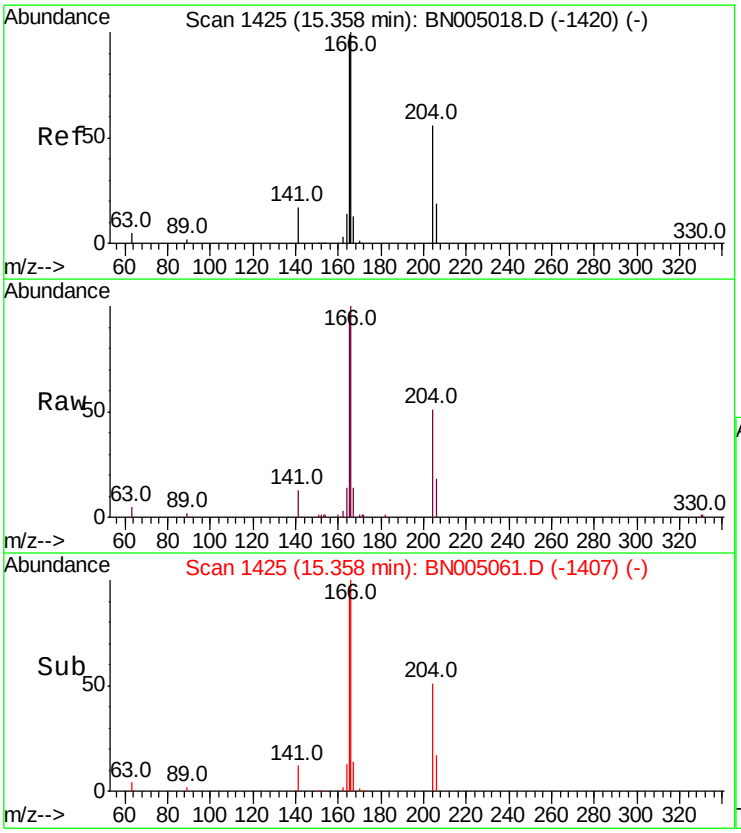
#17
Acenaphthene
Concen: 0.410 ng
RT: 14.37 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Instrument :
BNA_N
ClientSampleId :
P001-TW001-03MS

Tgt Ion:154 Resp: 8609

Ion	Ratio	Lower	Upper
154	100		
153	114.1	92.1	138.1
152	54.6	44.2	66.2

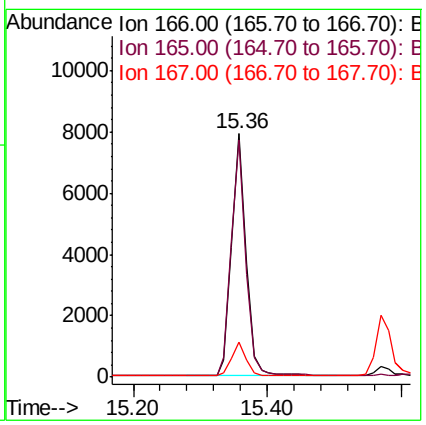


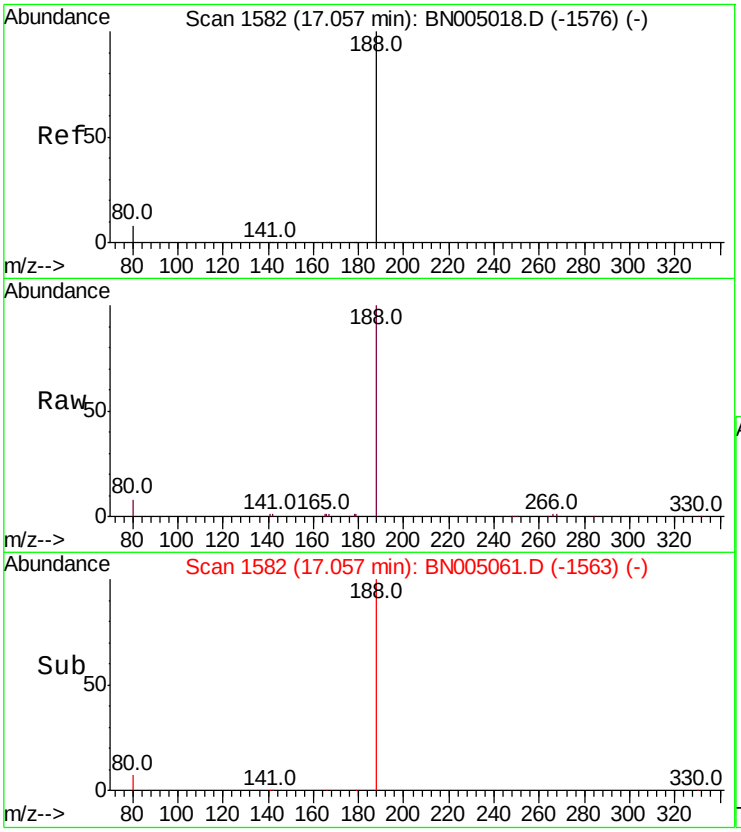


#18
Fluorene
Concen: 0.412 ng
RT: 15.36 min Scan# 1425
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Tgt Ion:166 Resp: 11615

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.7	118.1
167	13.6	10.9	16.3



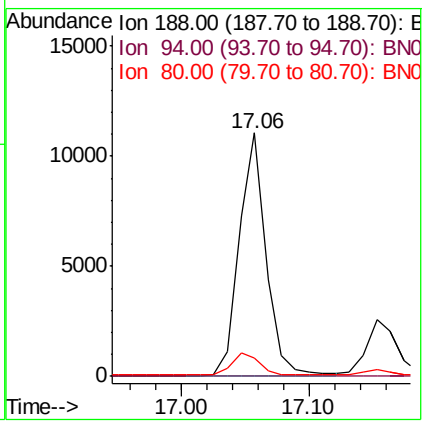


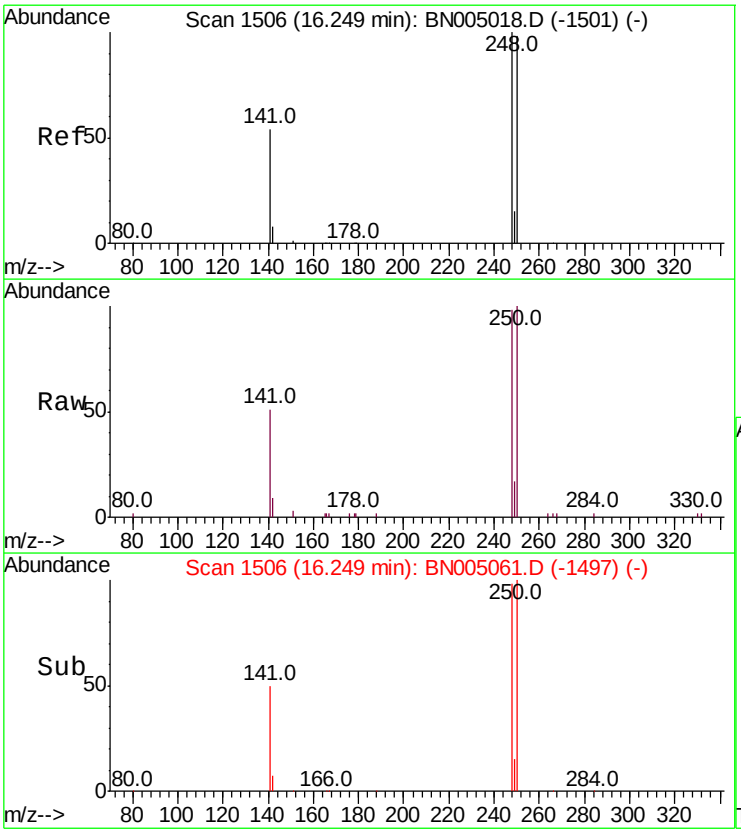
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Instrument :
BNA_N
ClientSampleId :
P001-TW001-03MS

Tgt Ion:188 Resp: 16066

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.7	6.9	10.3

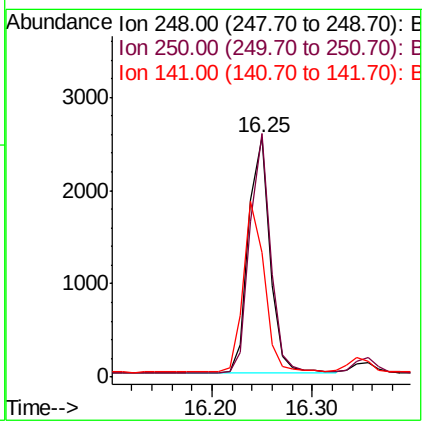


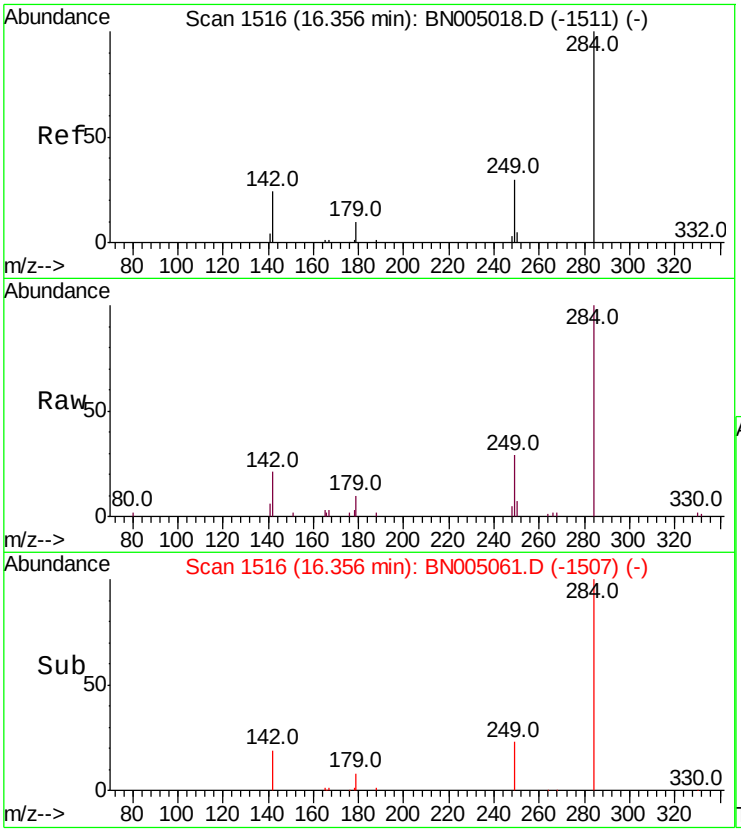


#20
4-Bromophenyl-phenylether
Concen: 0.413 ng
RT: 16.25 min Scan# 1506
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Tgt Ion:248 Resp: 3797

Ion	Ratio	Lower	Upper
248	100		
250	101.7	78.6	117.8
141	52.0	43.6	65.4



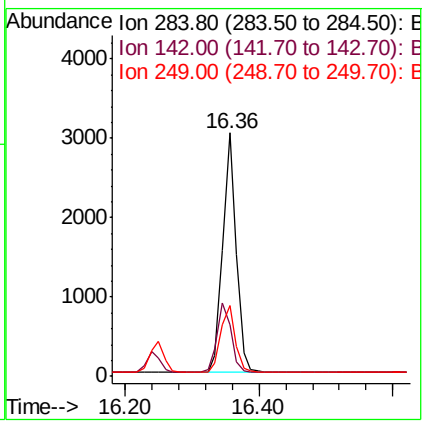


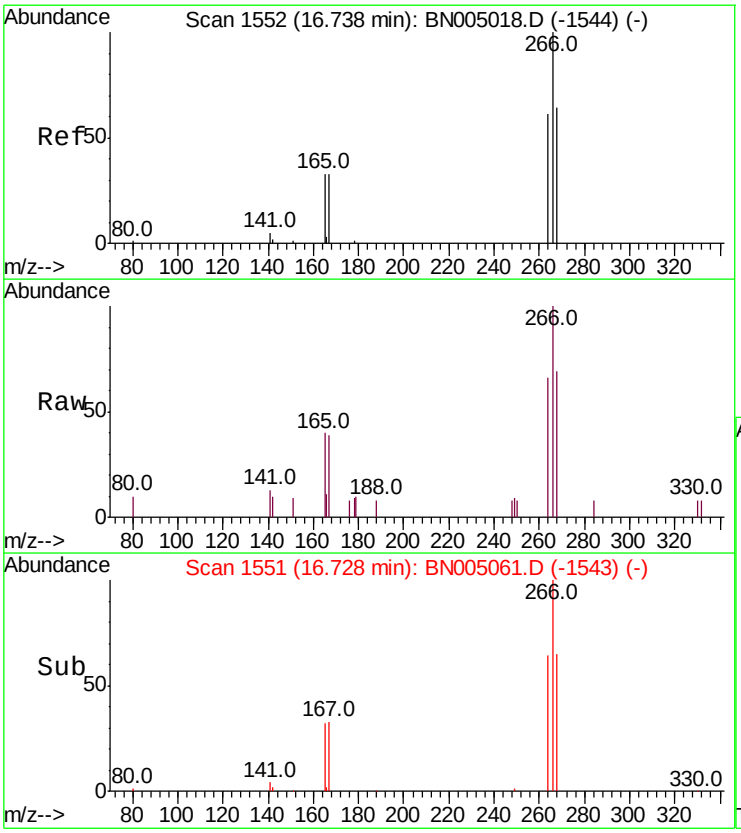
#21
Hexachlorobenzene
Concen: 0.418 ng
RT: 16.36 min Scan# 1516
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Instrument :
BNA_N
ClientSampleId :
P001-TW001-03MS

Tgt Ion:284 Resp: 4249

Ion	Ratio	Lower	Upper
284	100		
142	29.7	24.9	37.3
249	29.3	23.8	35.6

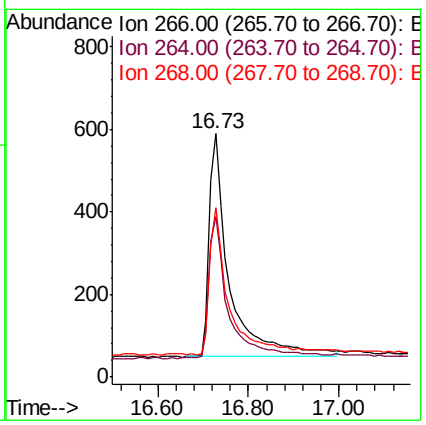


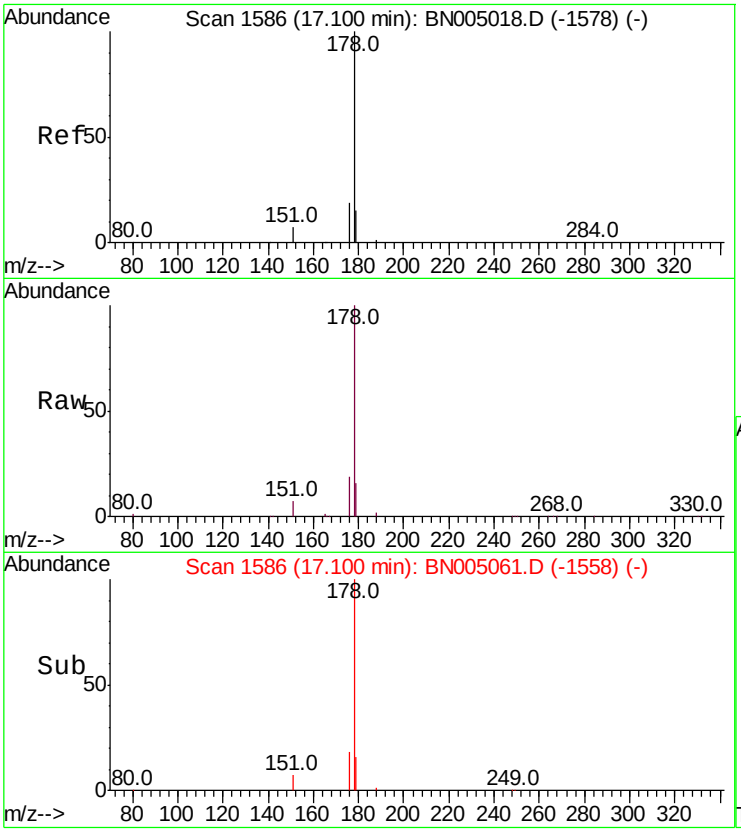


#22
Pentachlorophenol
Concen: 0.841 ng
RT: 16.73 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Tgt Ion:266 Resp: 1676

Ion	Ratio	Lower	Upper
266	100		
264	66.1	53.4	80.0
268	69.3	58.9	88.3



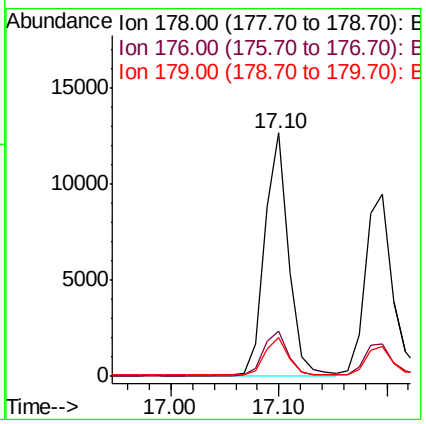


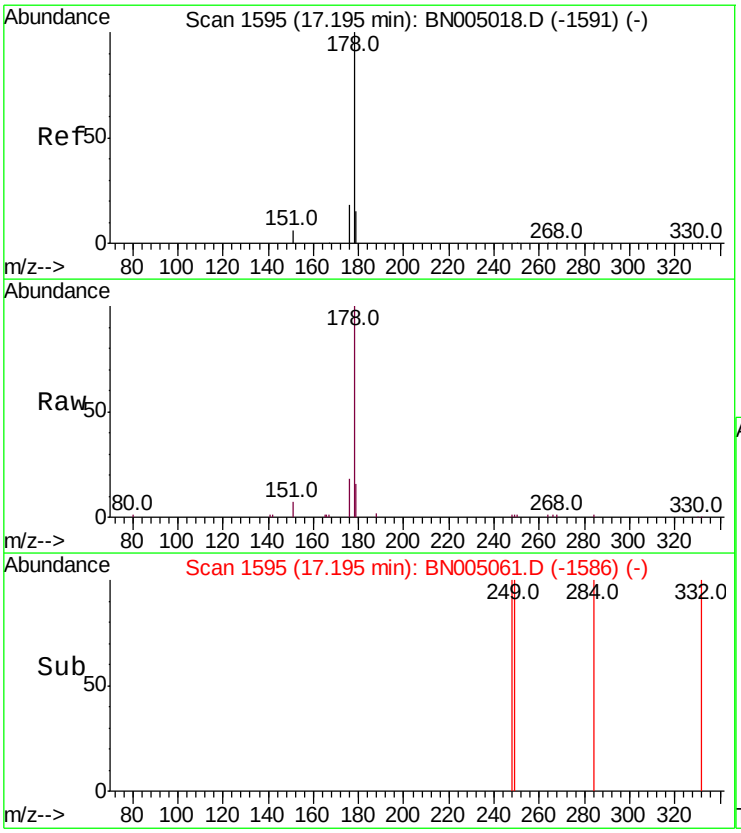
#23
Phenanthrene
Concen: 0.424 ng
RT: 17.10 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Instrument :
BNA_N
ClientSampleId :
P001-TW001-03MS

Tgt Ion:178 Resp: 19048

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.6	12.2	18.2

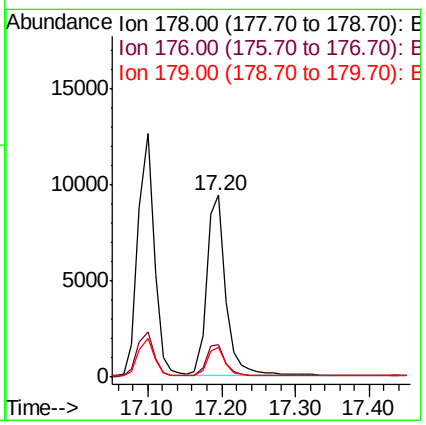


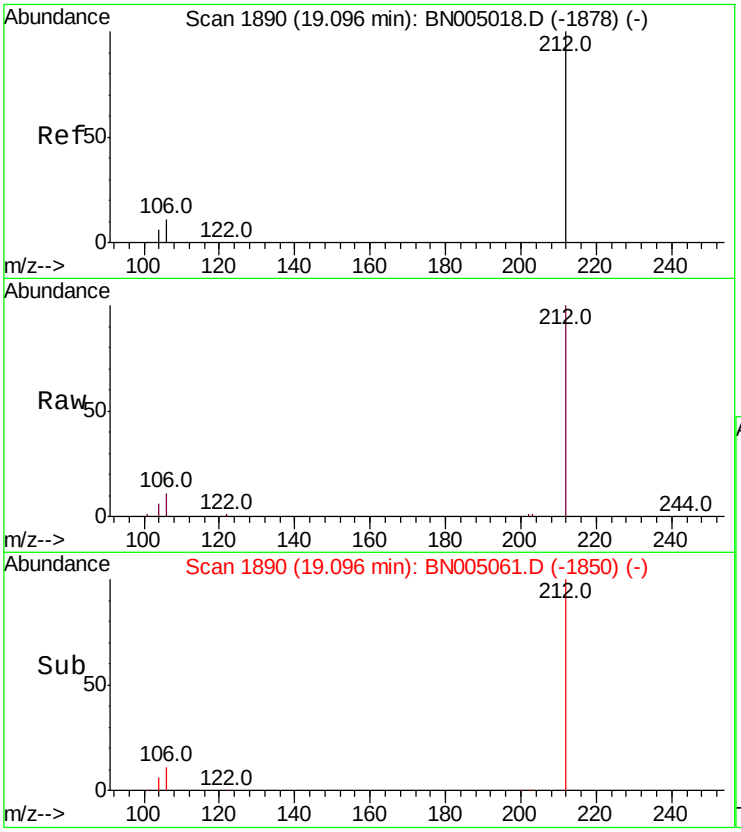


#24
Anthracene
Concen: 0.418 ng
RT: 17.20 min Scan# 1595
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Tgt Ion:178 Resp: 16732

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	22.0
179	15.5	12.3	18.5



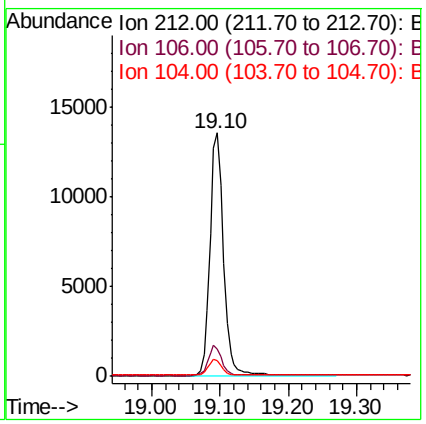


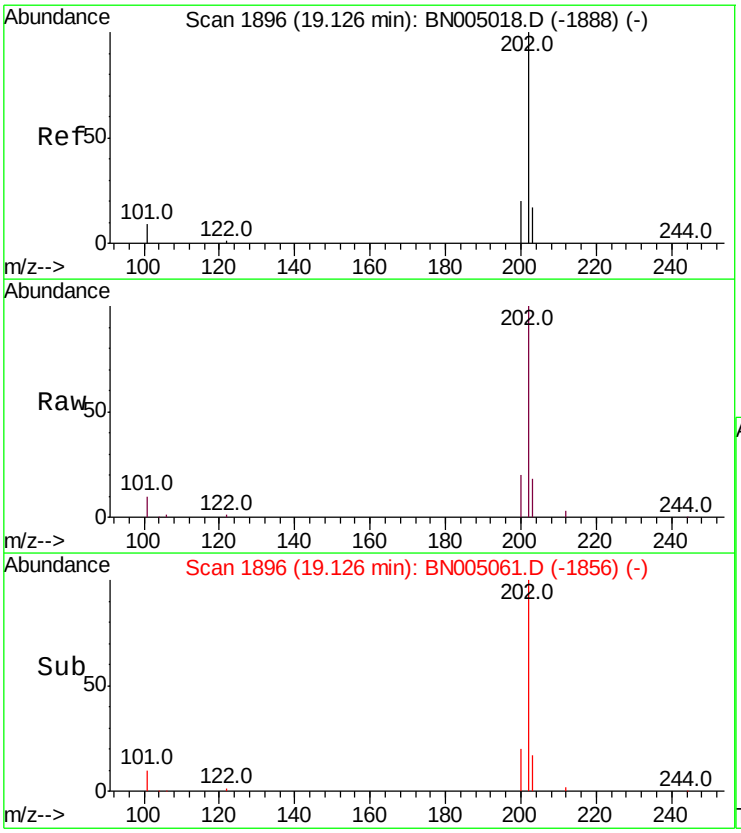
#25
Fluoranthene-d10
Concen: 0.410 ng
RT: 19.10 min Scan# 1890
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Instrument :
BNA_N
ClientSampleId :
P001-TW001-03MS

Tgt Ion:212 Resp: 18790

Ion	Ratio	Lower	Upper
212	100		
106	12.0	9.4	14.2
104	6.6	5.4	8.0

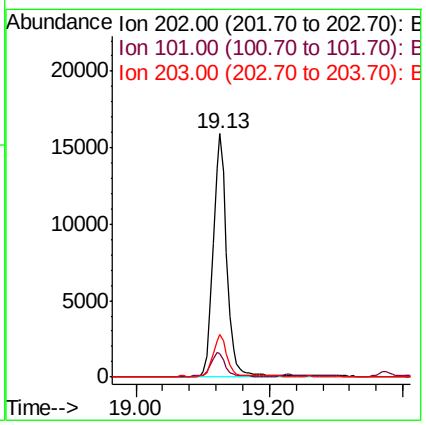


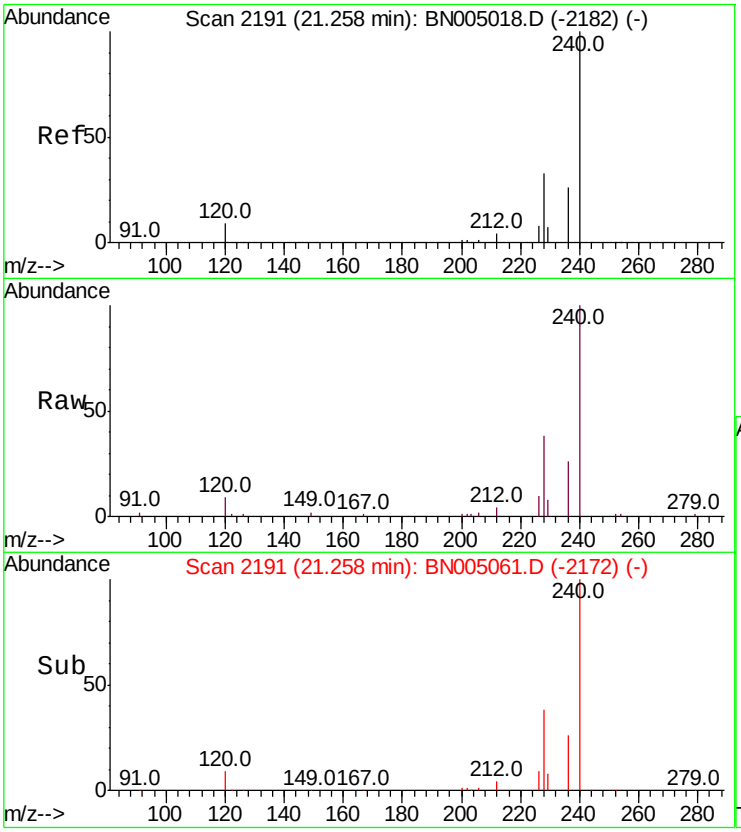


#26
Fluoranthene
Concen: 0.402 ng
RT: 19.13 min Scan# 1896
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Tgt Ion:202 Resp: 22142

Ion	Ratio	Lower	Upper
202	100		
101	10.3	8.2	12.2
203	17.2	13.8	20.8



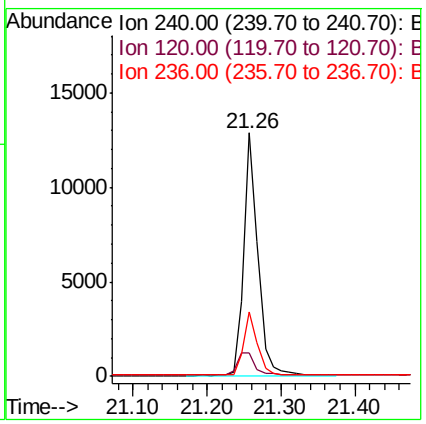


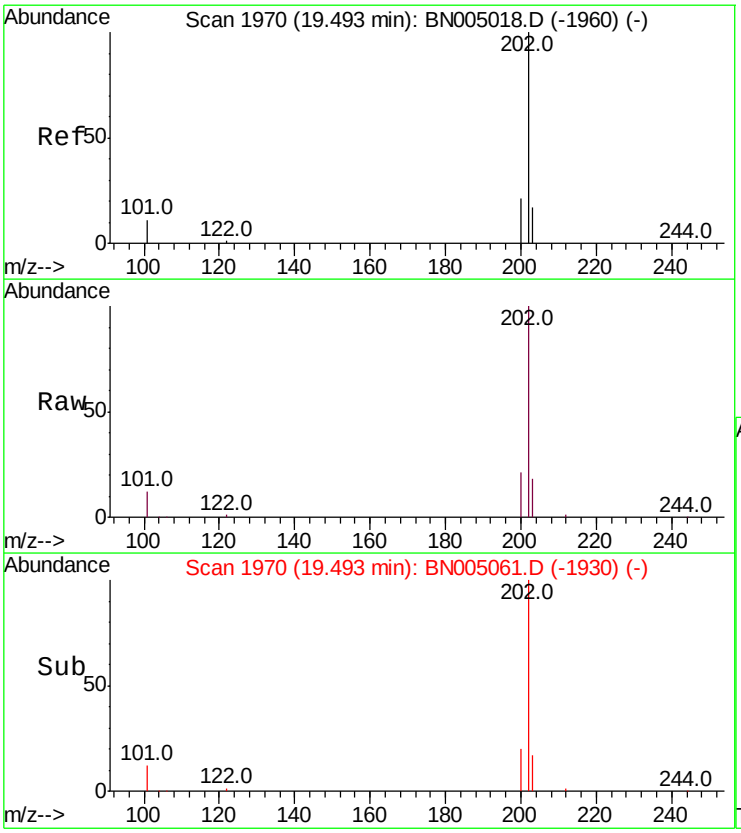
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.26 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Instrument :
BNA_N
ClientSampleId :
P001-TW001-03MS

Tgt Ion:240 Resp: 16898

Ion	Ratio	Lower	Upper
240	100		
120	9.4	7.4	11.0
236	26.3	21.0	31.6

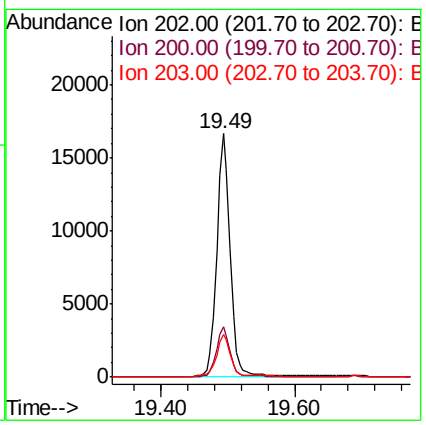


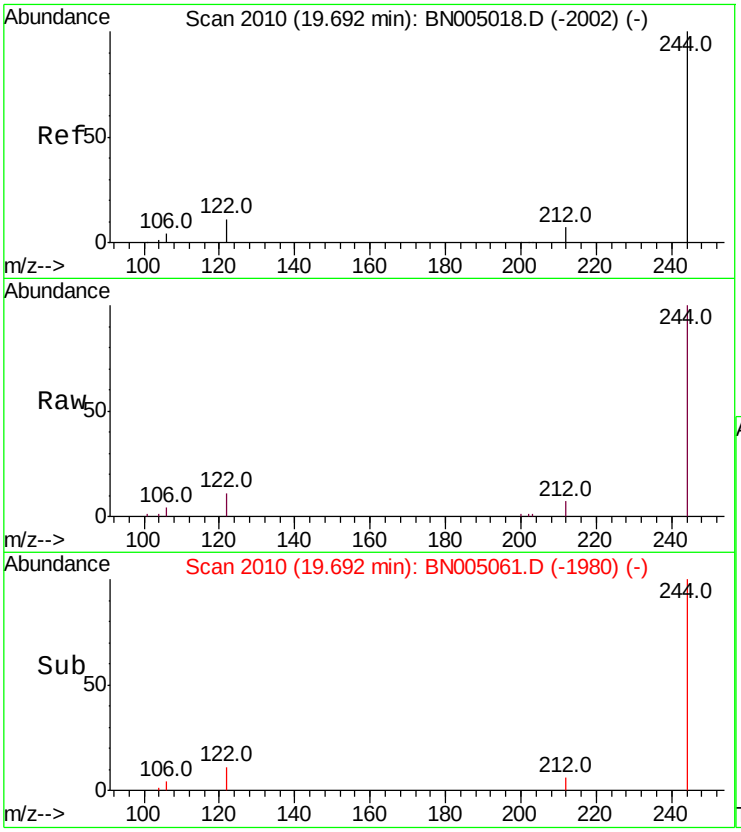


#28
Pyrene
Concen: 0.475 ng
RT: 19.49 min Scan# 1970
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Tgt Ion:202 Resp: 22800

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.5	24.7
203	18.0	13.9	20.9



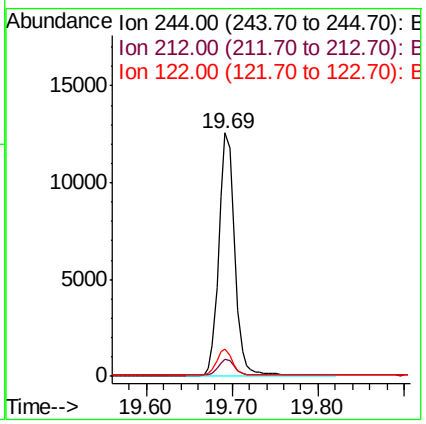


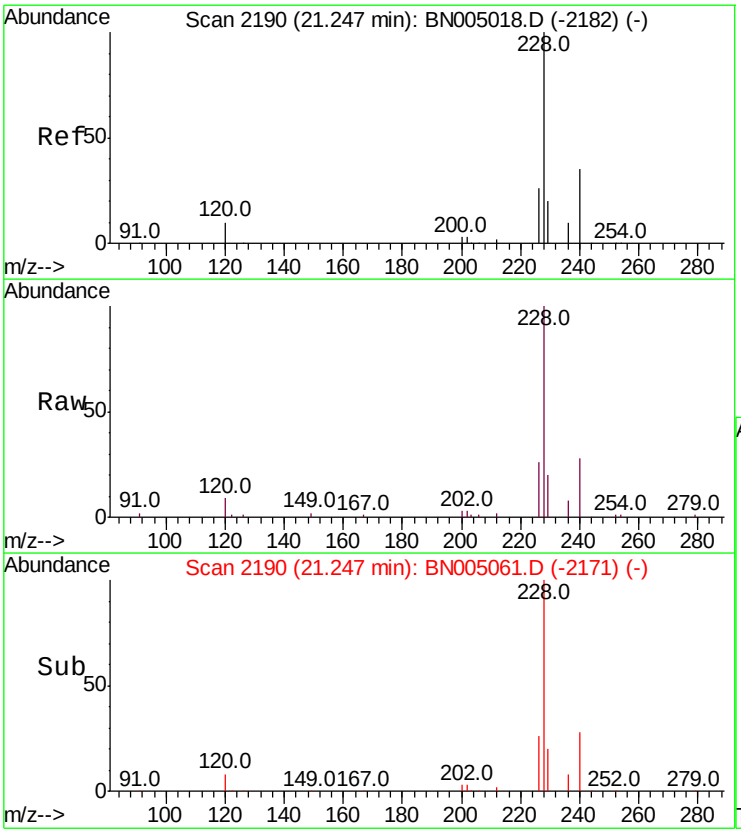
#29
Terphenyl-d14
Concen: 0.465 ng
RT: 19.69 min Scan# 2010
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Instrument :
BNA_N
ClientSampleId :
P001-TW001-03MS

Tgt Ion:244 Resp: 16130

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	11.1	9.0	13.4

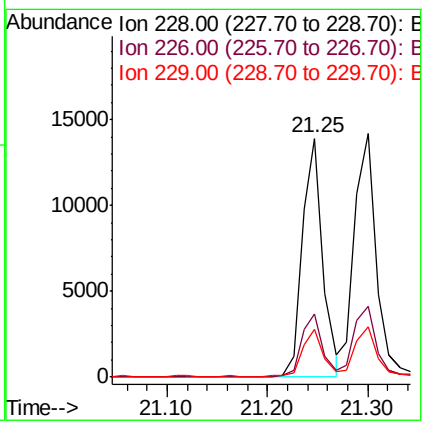


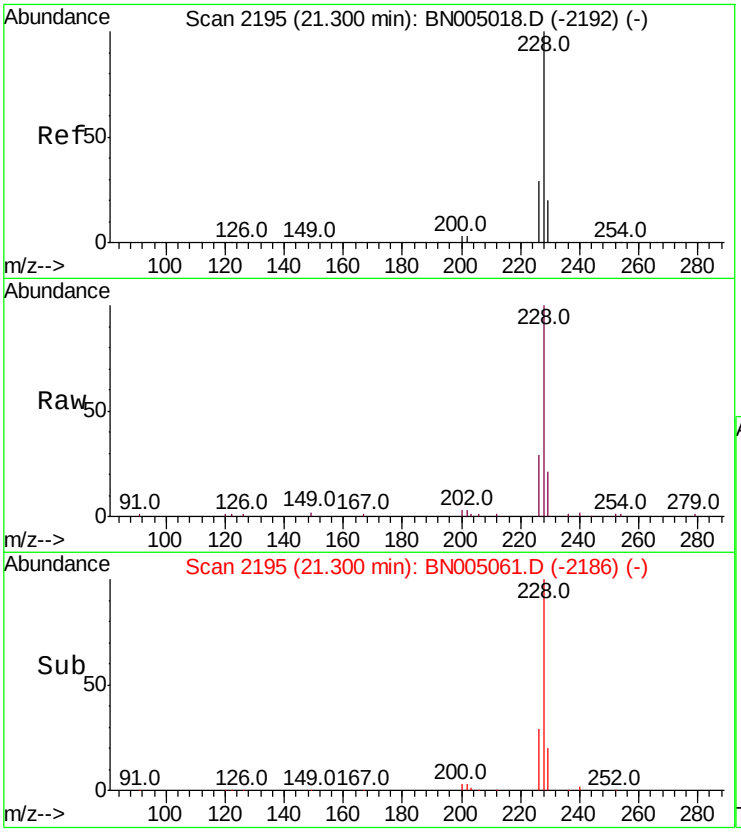


#30
Benzo(a)anthracene
Concen: 0.413 ng
RT: 21.25 min Scan# 2190
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Tgt Ion:228 Resp: 19694

Ion	Ratio	Lower	Upper
228	100		
226	26.4	20.9	31.3
229	20.2	16.2	24.2



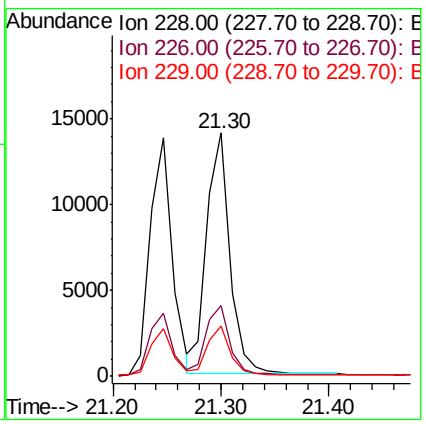


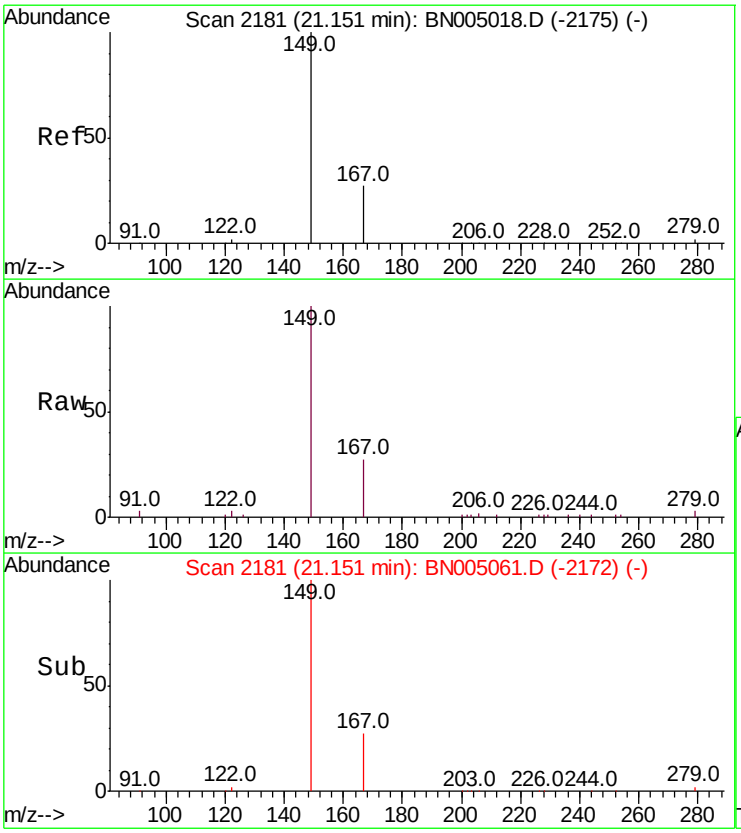
#31
Chrysene
Concen: 0.411 ng
RT: 21.30 min Scan# 2195
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Instrument :
BNA_N
ClientSampleId :
P001-TW001-03MS

Tgt Ion:228 Resp: 21096

Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.8	34.2
229	20.6	16.2	24.4

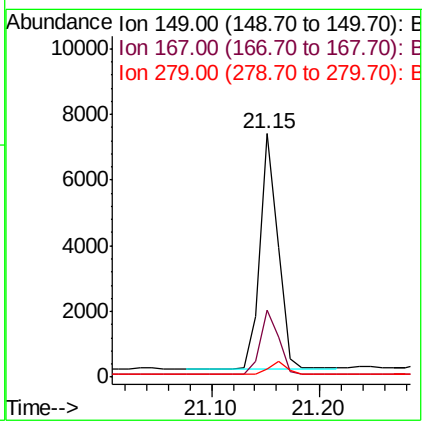


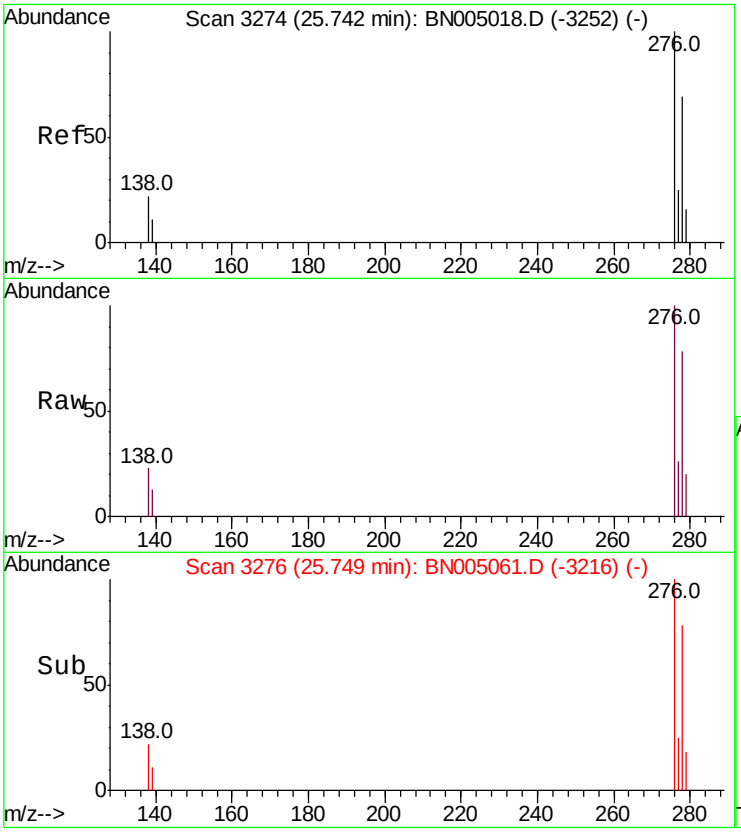


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.413 ng
RT: 21.15 min Scan# 2181
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Tgt Ion:149 Resp: 8246

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.2	33.4
279	5.5	4.2	6.4



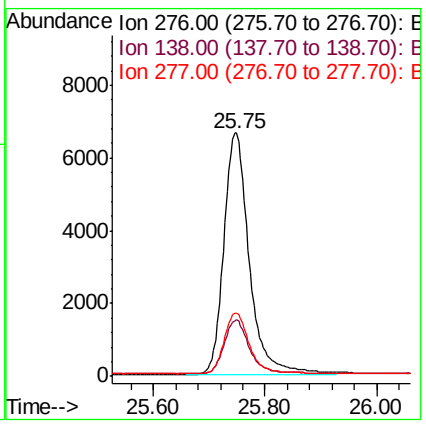


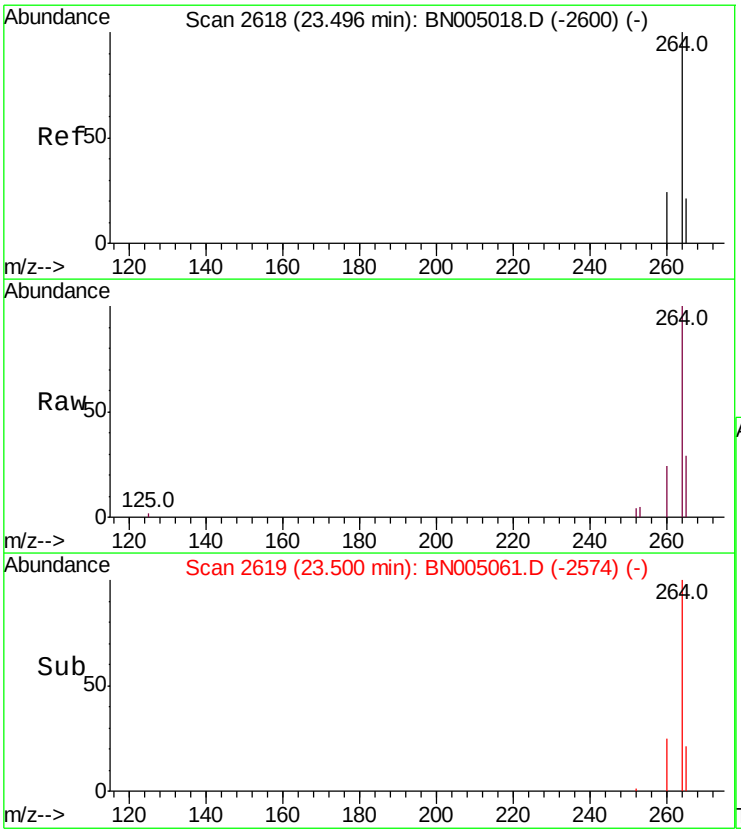
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.363 ng
RT: 25.75 min Scan# 3276
Delta R.T. 0.01 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Instrument :
BNA_N
ClientSampleId :
P001-TW001-03MS

Tgt Ion:276 Resp: 20970

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

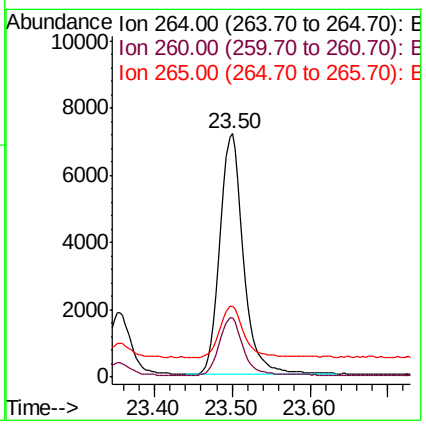


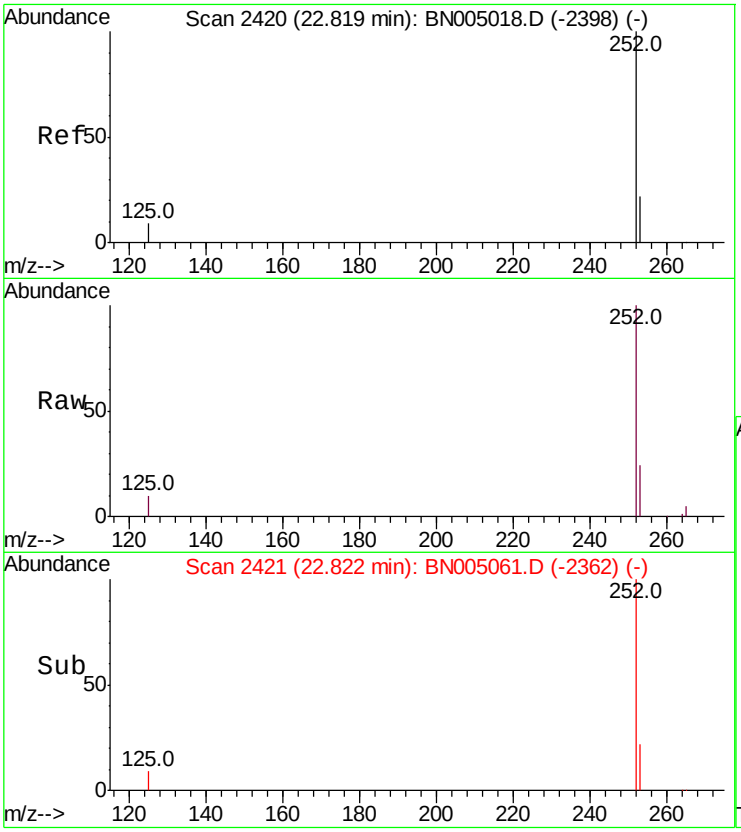


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.50 min Scan# 2619
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Tgt Ion:264 Resp: 14958

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.0
265	29.2	22.5	33.7



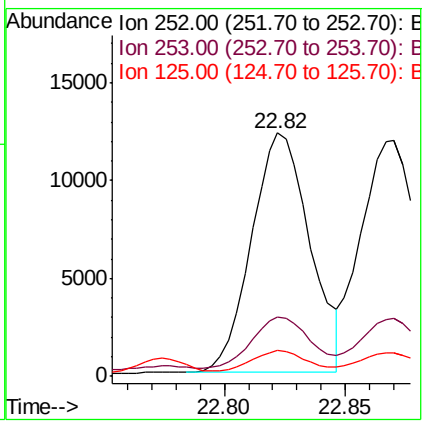


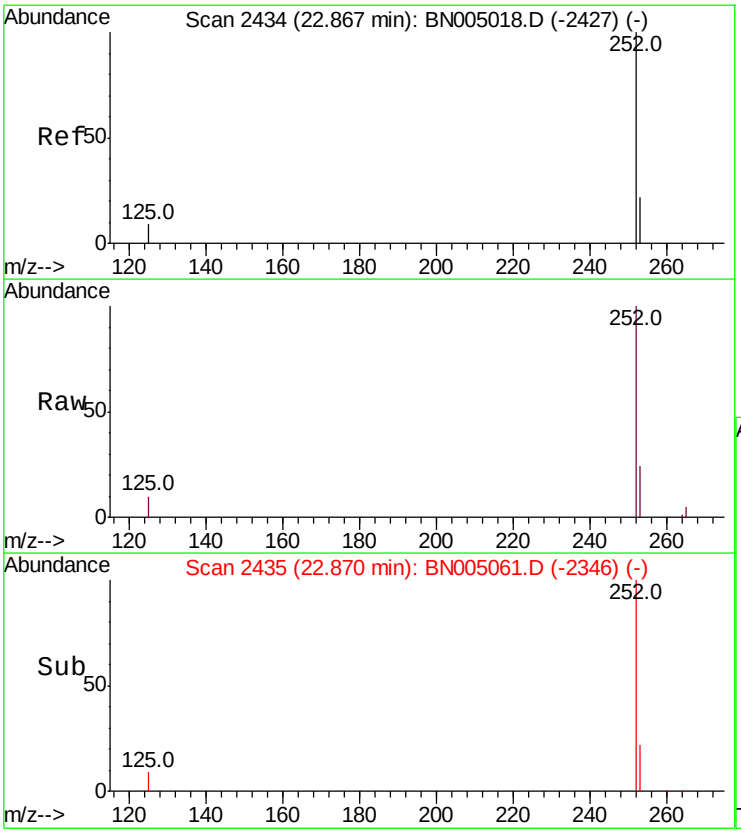
#35
Benzo(b)fluoranthene
Concen: 0.429 ng
RT: 22.82 min Scan# 2421
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Instrument :
BNA_N
ClientSampleId :
P001-TW001-03MS

Tgt Ion:252 Resp: 20587

Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.2	28.8
125	10.5	8.2	12.2

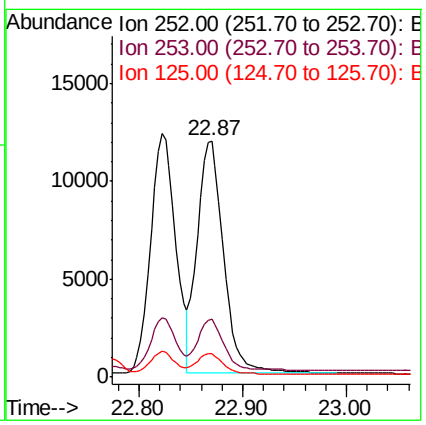


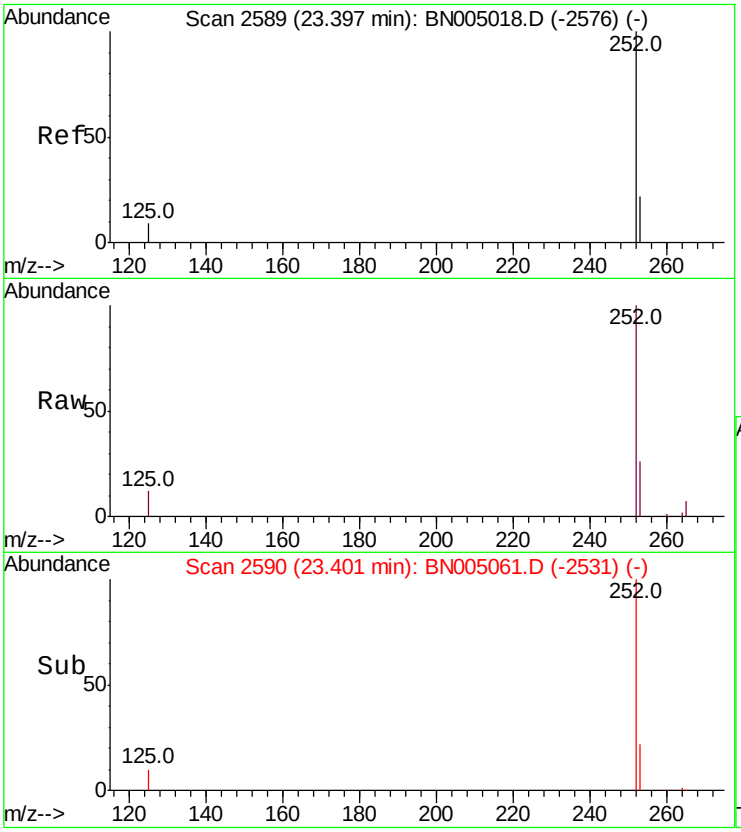


#36
Benzo(k)fluoranthene
Concen: 0.451 ng
RT: 22.87 min Scan# 2435
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Tgt Ion:252 Resp: 20892

Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.3	28.9
125	10.1	8.2	12.2



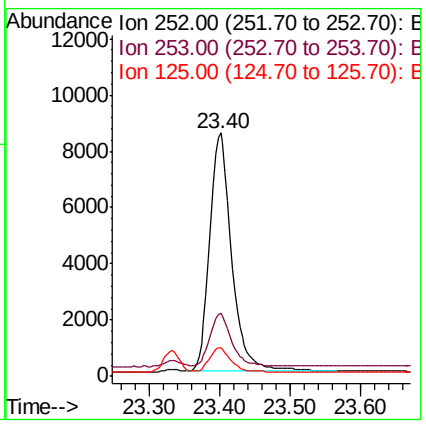


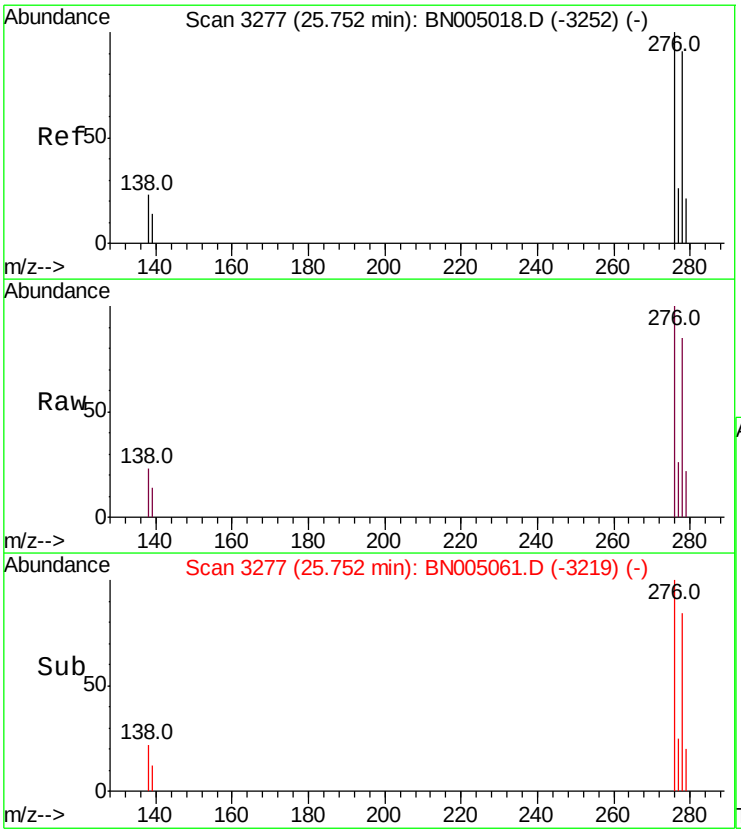
#37
Benzo(a)pyrene
Concen: 0.432 ng
RT: 23.40 min Scan# 2590
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Instrument :
BNA_N
ClientSampleId :
P001-TW001-03MS

Tgt Ion:252 Resp: 18438

Ion	Ratio	Lower	Upper
252	100		
253	25.7	20.2	30.2
125	11.6	9.2	13.8

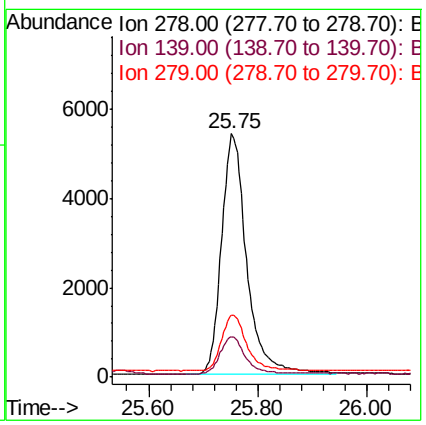


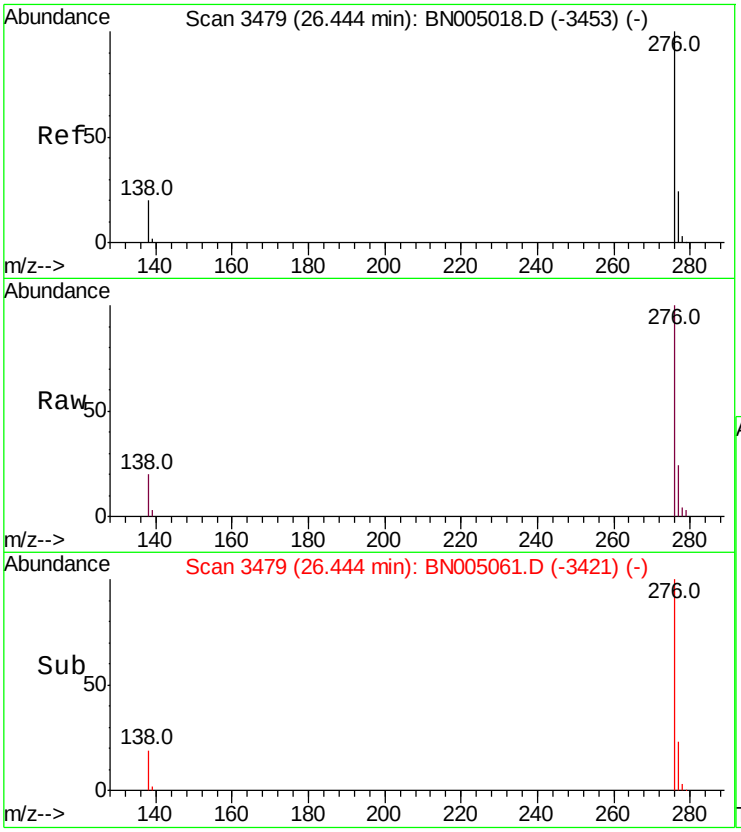


#38
Dibenzo(a,h)anthracene
Concen: 0.408 ng
RT: 25.75 min Scan# 3277
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Tgt Ion:278 Resp: 17425

Ion	Ratio	Lower	Upper
278	100		
139	16.4	13.1	19.7
279	25.5	20.2	30.2





#39
Benzo(g,h,i)perylene
Concen: 0.412 ng
RT: 26.44 min Scan# 3479
Delta R.T. 0.00 min
Lab File: BN005061.D
Acq: 02 Apr 2019 14:35

Instrument :
BNA_N
ClientSampleId :
P001-TW001-03MS

Tgt Ion:276 Resp: 17718

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.8	29.6
138	20.1	16.4	24.6