Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
Data File : BN004860.D
Acq On : 21 Mar 2019 21:10
Operator : JU/SJ
Sample : K1817-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PST-028-B011-030619MSD

Quant Time: Mar 22 02:02:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 20 16:06:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	1680	0.40	ng		0.00
7) Naphthalene-d8	10.48	136	7575	0.40	ng		-0.01
13) Acenaphthene-d10	14.33	164	4885	0.40	ng		-0.01
19) Phenanthrene-d10	17.09	188	13208	0.40	ng		0.00
27) Chrysene-d12	21.29	240	18621	0.40	ng		0.00
34) Perylene-d12	23.54	264	20277	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.30	112	1792	0.39	ng		0.00
5) Phenol-d6	6.87	99	2339	0.41	ng		0.00
8) Nitrobenzene-d5	8.86	82	1622	0.32	ng		-0.01
11) 2-Methylnaphthalene-d10	12.08	152	4641	0.35	ng		0.00
14) 2,4,6-Tribromophenol	15.85	330	1086	0.32	ng		0.00
15) 2-Fluorobiphenyl	12.95	172	7208	0.36	ng		-0.01
25) Fluoranthene-d10	19.13	212	14783	0.33	ng		0.00
29) Terphenyl-d14	19.72	244	11338	0.30	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.23	88	413	0.216	ng	#	66
3) n-Nitrosodimethylamine	3.57	42	287	0.254	ng	#	93
6) bis(2-Chloroethyl)ether	7.14	93	1518	0.296	ng		99
9) Naphthalene	10.53	128	6422	0.302	ng		99
10) Hexachlorobutadiene	10.80	225	1132	0.279	ng	#	100
12) 2-Methylnaphthalene	12.15	142	4785	0.303	ng		99
16) Acenaphthylene	14.07	152	7214	0.287	ng		100
17) Acenaphthene	14.40	154	4881	0.296	ng		100
18) Fluorene	15.39	166	6767	0.294	ng		99
20) 4-Bromophenyl-phenylether	16.28	248	2401	0.278	ng		93
21) Hexachlorobenzene	16.39	284	2686	0.272	ng		97
22) Pentachlorophenol	16.76	266	614	0.318	ng		98
23) Phenanthrene	17.13	178	14576	0.342	ng		99
24) Anthracene	17.23	178	11170	0.293	ng		100
26) Fluoranthene	19.16	202	21713	0.396	ng		99
28) Pyrene	19.52	202	22670	0.399	ng		99
30) Benzo(a)anthracene	21.27	228	21803	0.357	ng		97
31) Chrysene	21.32	228	21656	0.337	ng		98
32) Bis(2-ethylhexyl)phthalate	21.18	149	13772	0.564	ng		99
33) Indeno(1,2,3-cd)pyrene	25.81	276	27614	0.297	ng		99
35) Benzo(b)fluoranthene	22.91	252	23115	0.315	ng		98
36) Benzo(k)fluoranthene	22.91	252	23115	0.320	ng		99
37) Benzo(a)pyrene	23.45	252	23117	0.344	ng		98
38) Dibenzo(a,h)anthracene	25.82	278	21309	0.273	ng		98
39) Benzo(g,h,i)perylene	26.52	276	23515	0.296	ng		99

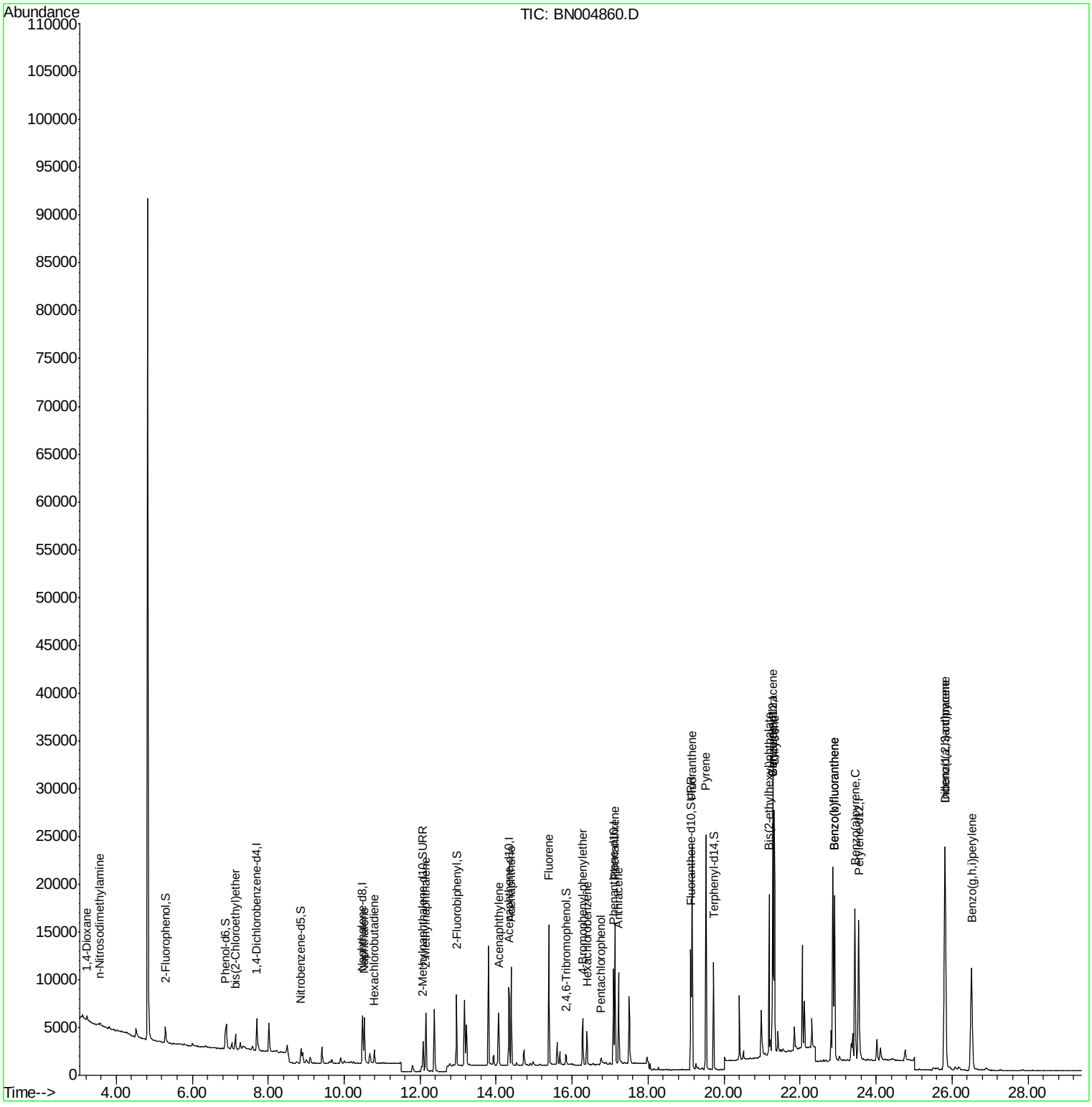
(#) = qualifier out of range (m) = manual integration (+) = signals summed

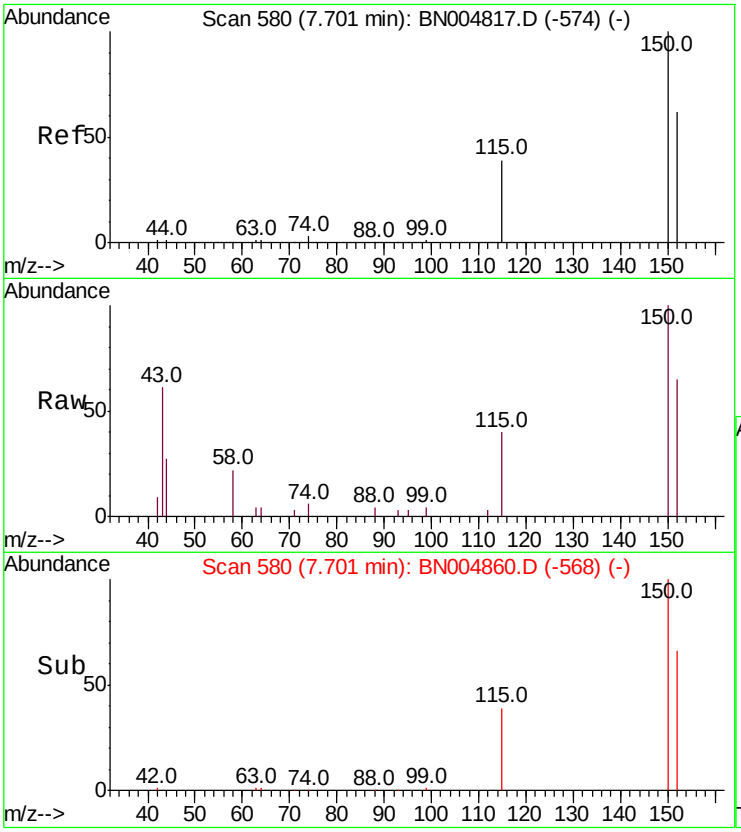
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
Data File : BN004860.D
Acq On : 21 Mar 2019 21:10
Operator : JU/SJ
Sample : K1817-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-028-B011-030619MSD

Quant Time: Mar 22 02:02:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 20 16:06:20 2019
Response via : Initial Calibration



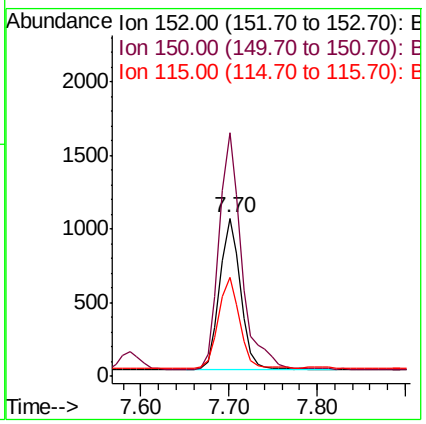


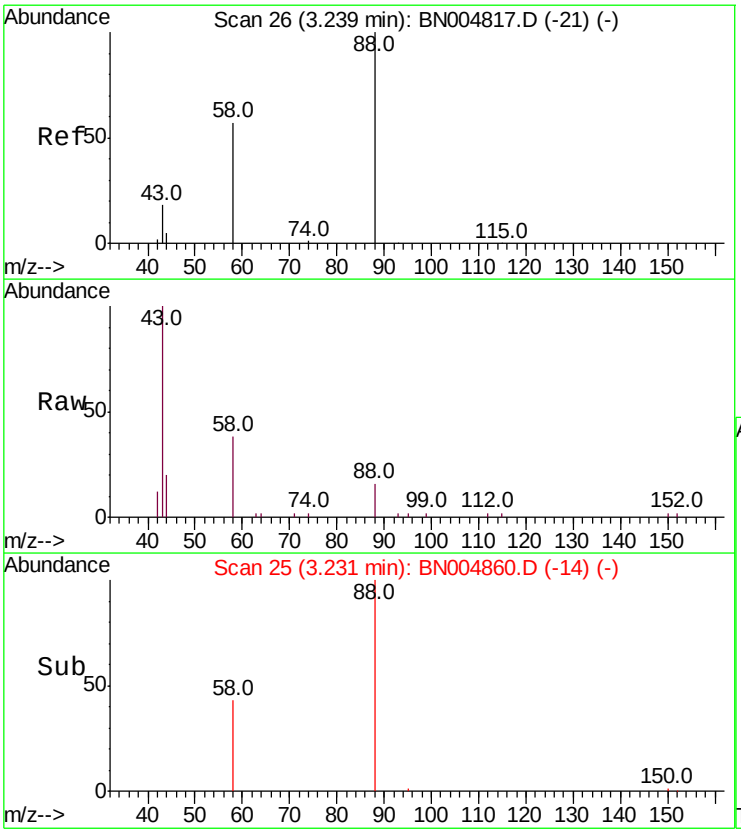
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.70 min Scan# 580
Delta R.T. -0.00 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-028-B011-030619MSD

Tgt Ion:152 Resp: 1680

Ion	Ratio	Lower	Upper
152	100		
150	153.7	126.2	189.4
115	62.2	52.6	79.0

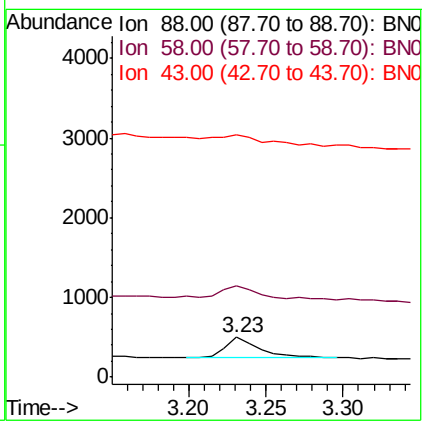


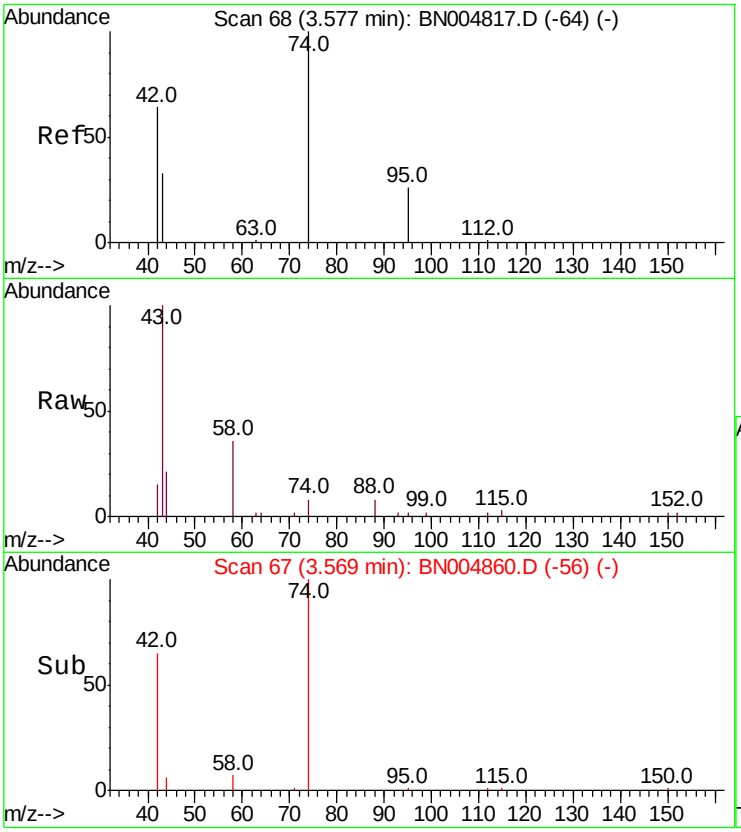


#2
1,4-Dioxane
Concen: 0.216 ng
RT: 3.23 min Scan# 25
Delta R.T. -0.01 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Tgt Ion: 88 Resp: 413

Ion	Ratio	Lower	Upper
88	100		
58	86.0	51.4	77.2#
43	0.0	20.0	30.0#



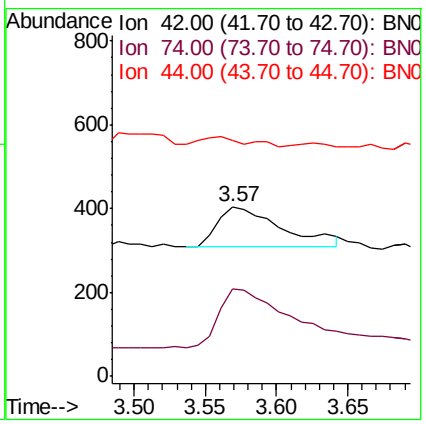


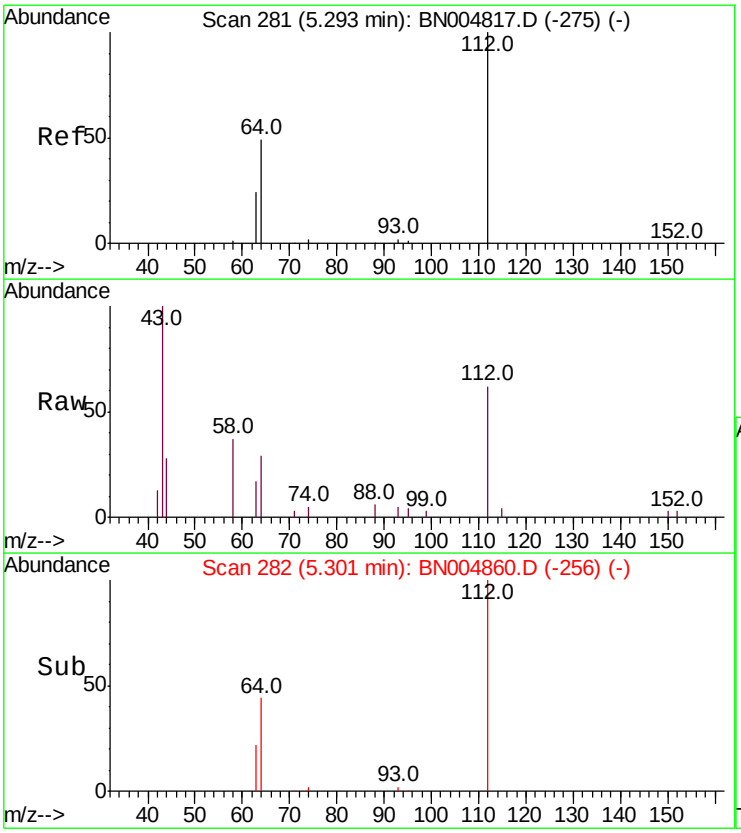
#3
n-Nitrosodimethylamine
Concen: 0.254 ng
RT: 3.57 min Scan# 67
Delta R.T. -0.01 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-028-B011-030619MSD

Tgt Ion: 42 Resp: 287

Ion	Ratio	Lower	Upper
42	100		
74	169.7	128.4	192.6
44	10.1	6.1	9.1#

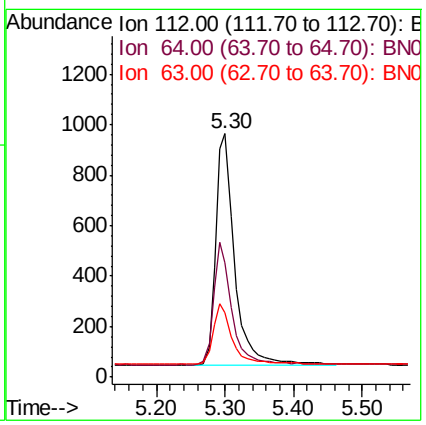


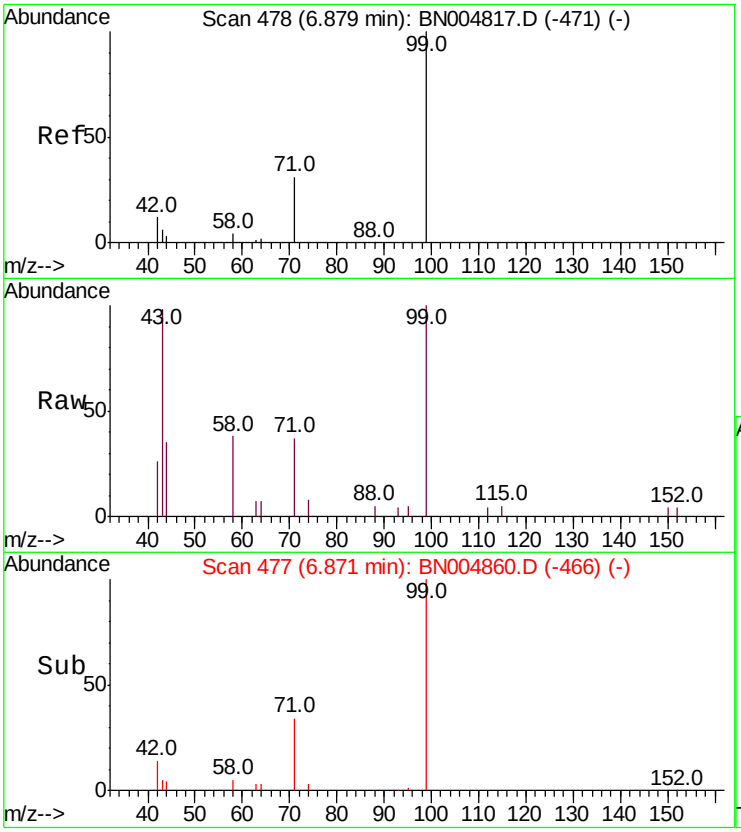


#4
2-Fluorophenol
Concen: 0.392 ng
RT: 5.30 min Scan# 282
Delta R.T. 0.01 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Tgt Ion:112 Resp: 1792

Ion	Ratio	Lower	Upper
112	100		
64	50.8	40.0	60.0
63	26.1	20.2	30.2



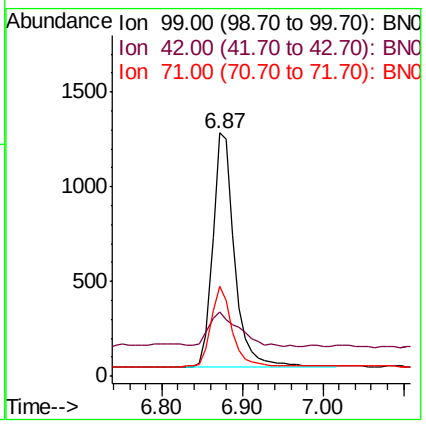


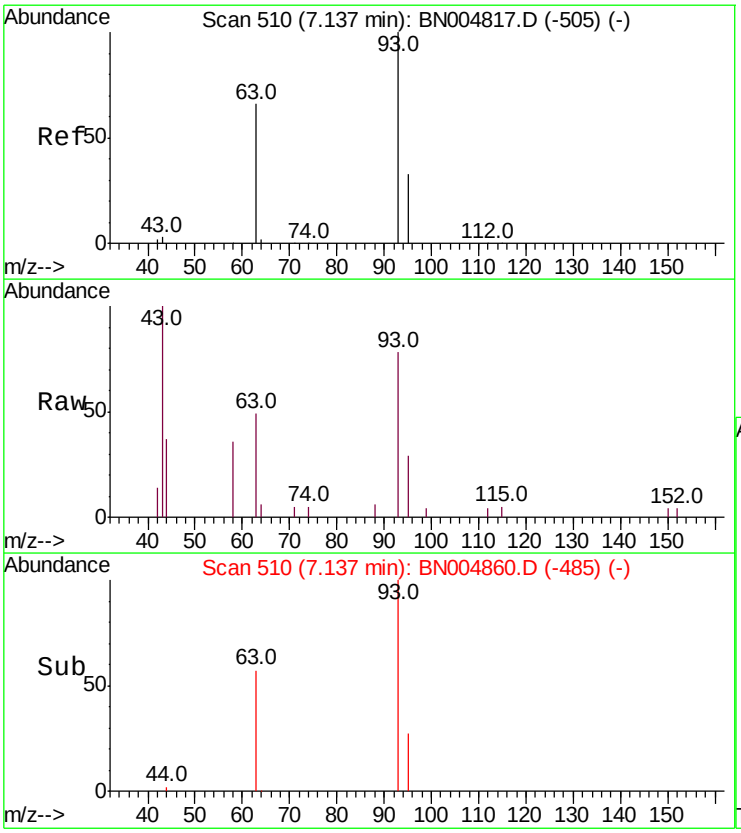
#5
Phenol-d6
Concen: 0.411 ng
RT: 6.87 min Scan# 477
Delta R.T. -0.01 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-028-B011-030619MSD

Tgt Ion: 99 Resp: 2339

Ion	Ratio	Lower	Upper
99	100		
42	19.7	12.7	19.1#
71	32.5	26.6	40.0

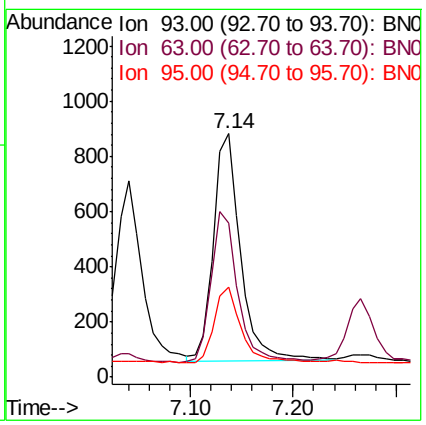


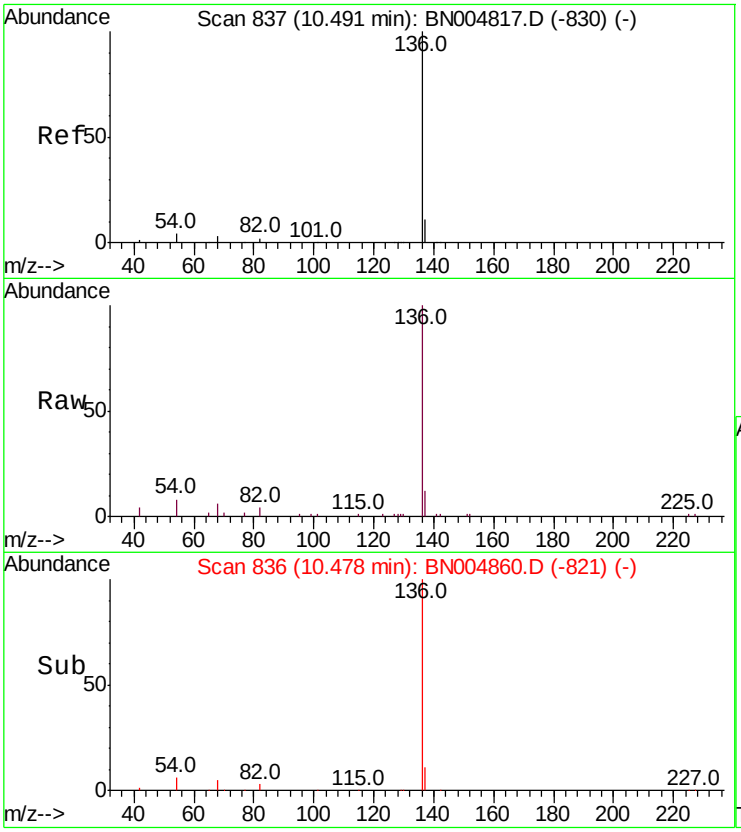


#6
bis(2-Chloroethyl)ether
Concen: 0.296 ng
RT: 7.14 min Scan# 510
Delta R.T. -0.00 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Tgt Ion: 93 Resp: 1518

Ion	Ratio	Lower	Upper
93	100		
63	64.8	52.6	78.8
95	32.3	25.9	38.9



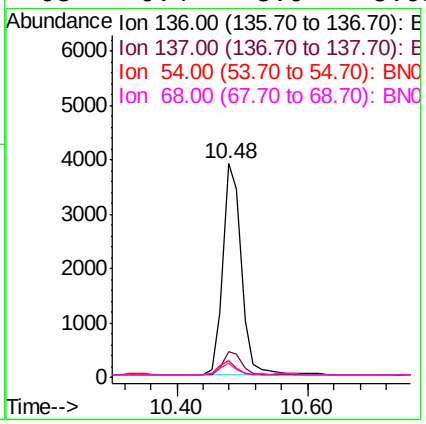


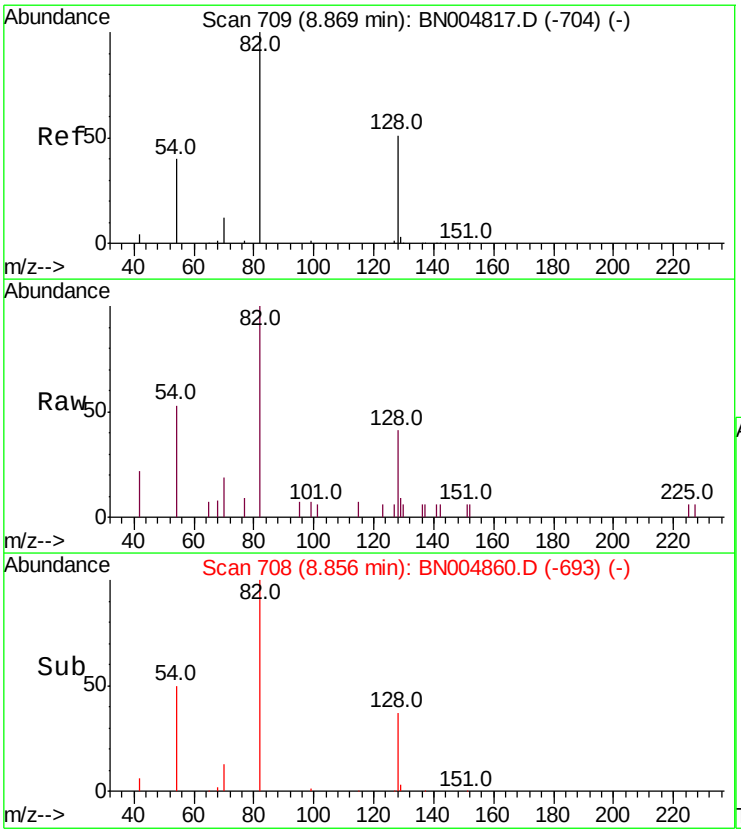
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.48 min Scan# 836
Delta R.T. -0.01 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-028-B011-030619MSD

Tgt Ion:136 Resp: 7575

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.6	14.4
54	7.7	4.2	6.2#
68	6.4	3.9	5.9#

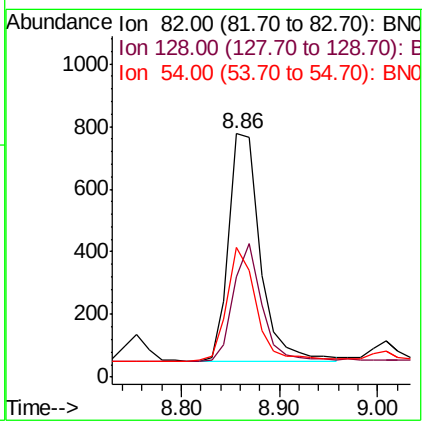


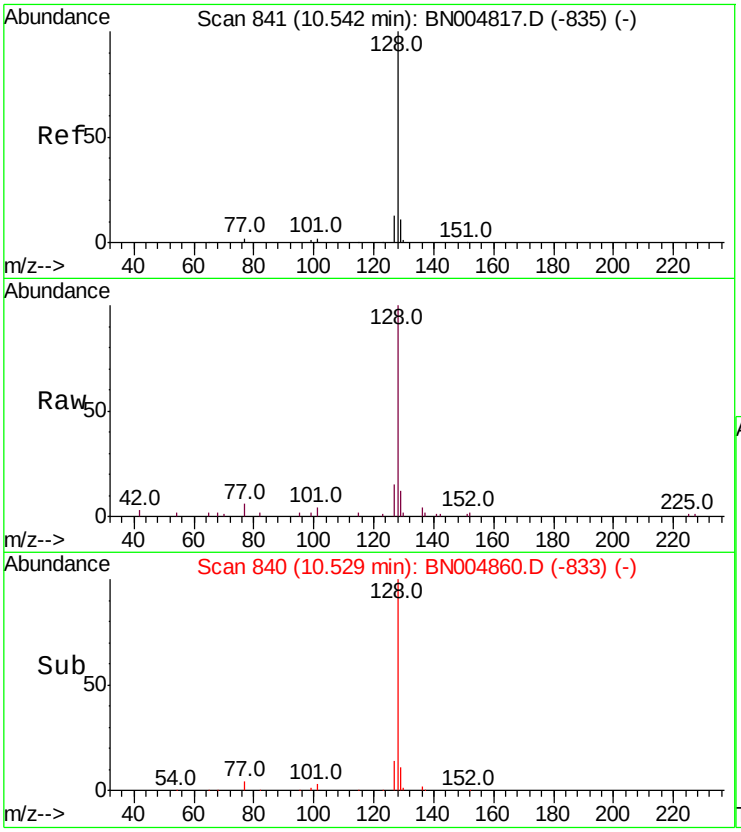


#8
Nitrobenzene-d5
Concen: 0.324 ng
RT: 8.86 min Scan# 708
Delta R.T. -0.01 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Tgt Ion: 82 Resp: 1622

Ion	Ratio	Lower	Upper
82	100		
128	41.4	43.0	64.6#
54	53.2	35.3	52.9#



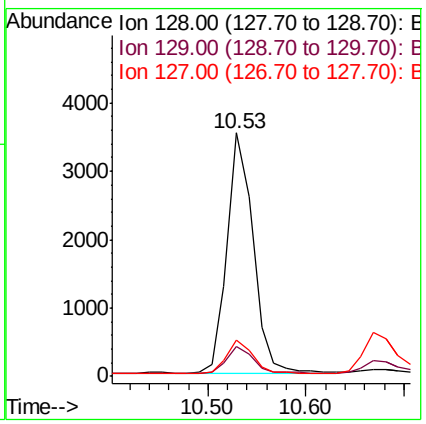


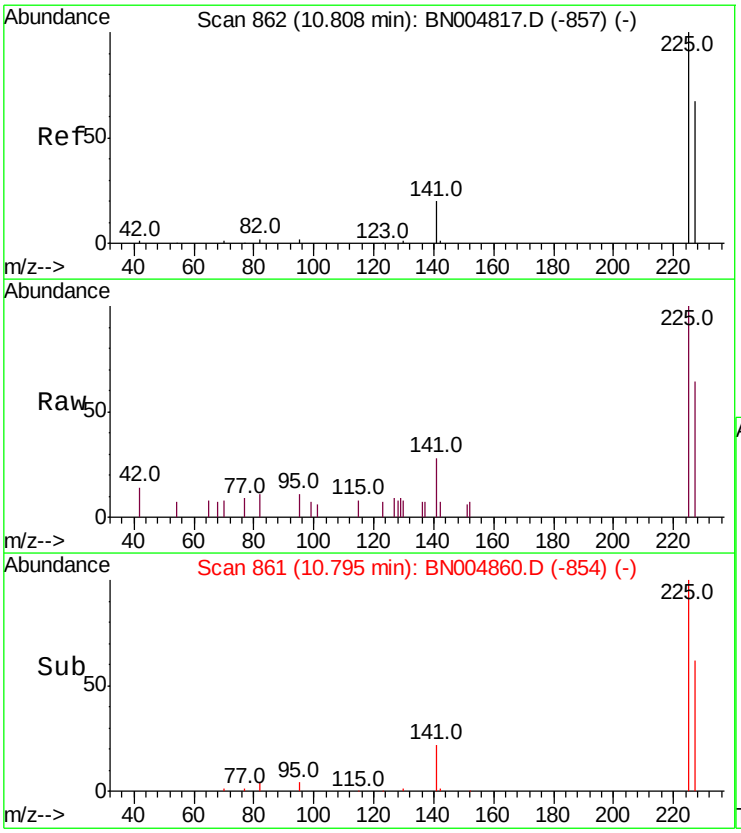
#9
Naphthalene
Concen: 0.302 ng
RT: 10.53 min Scan# 840
Delta R.T. -0.01 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-028-B011-030619MSD

Tgt Ion:128 Resp: 6422

Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.9	14.9
127	14.7	11.3	16.9

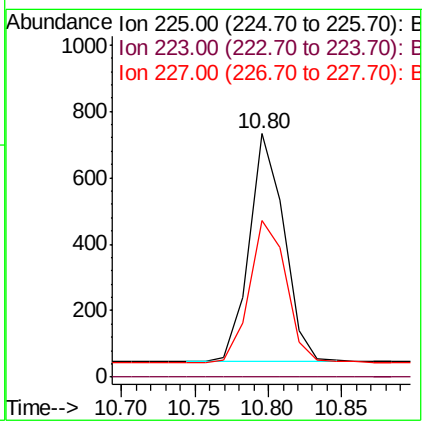


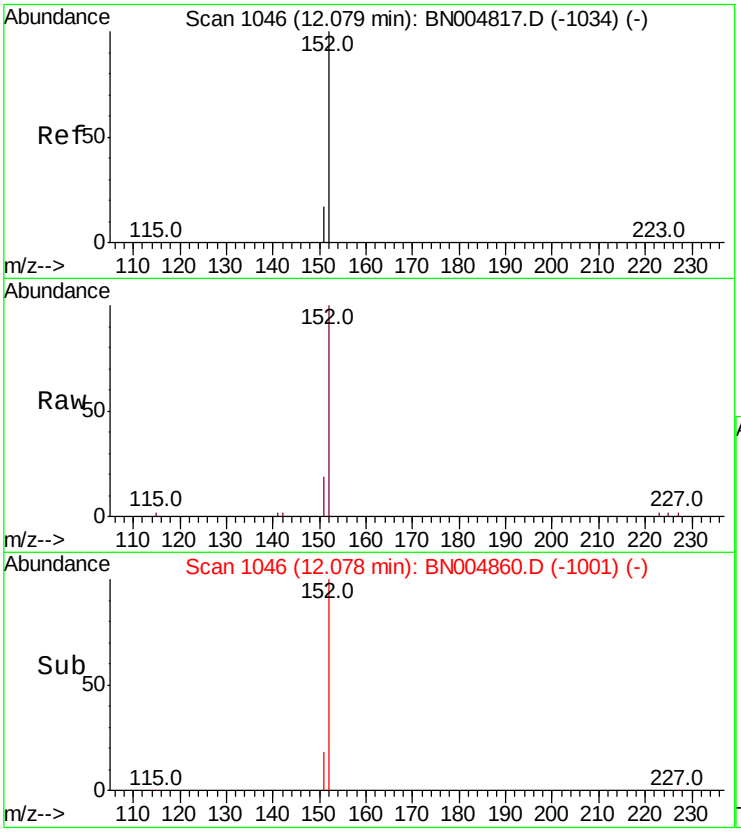


#10
Hexachlorobutadiene
Concen: 0.279 ng
RT: 10.80 min Scan# 861
Delta R.T. -0.01 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Tgt Ion:225 Resp: 1132

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.4	52.2	78.4



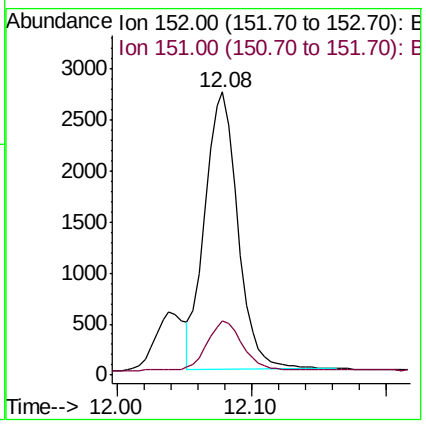


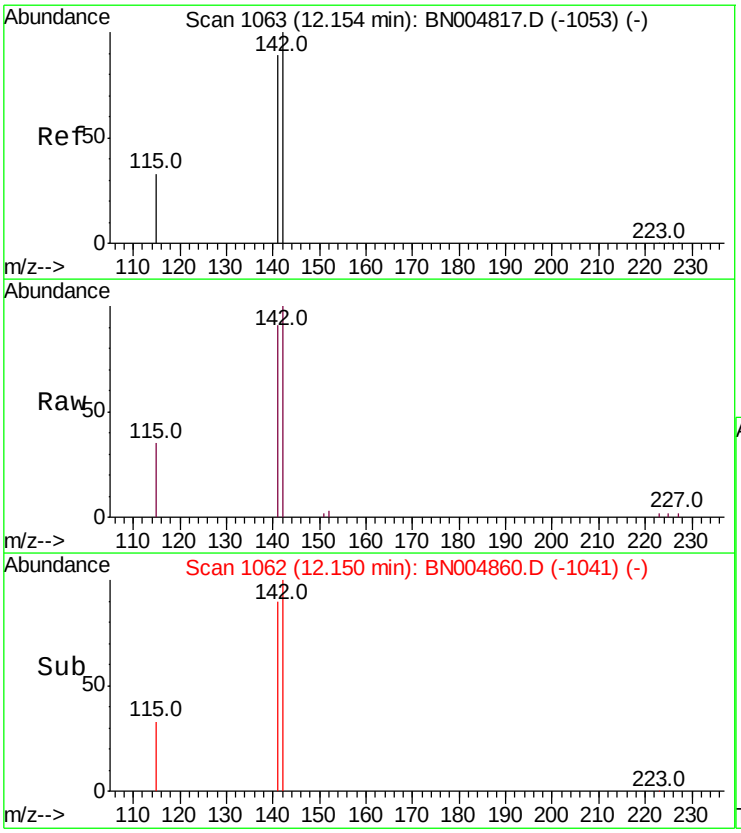
#11
2-Methylnaphthalene-d10
Concen: 0.351 ng
RT: 12.08 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-028-B011-030619MSD

Tgt Ion:152 Resp: 4641

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.5	23.3

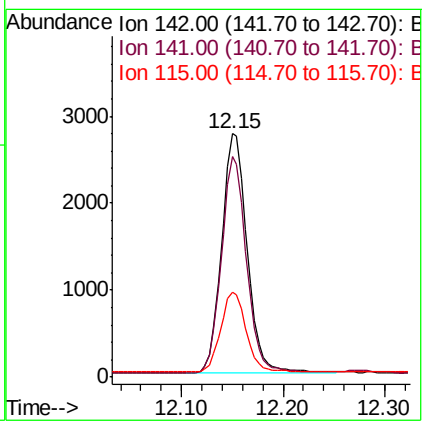


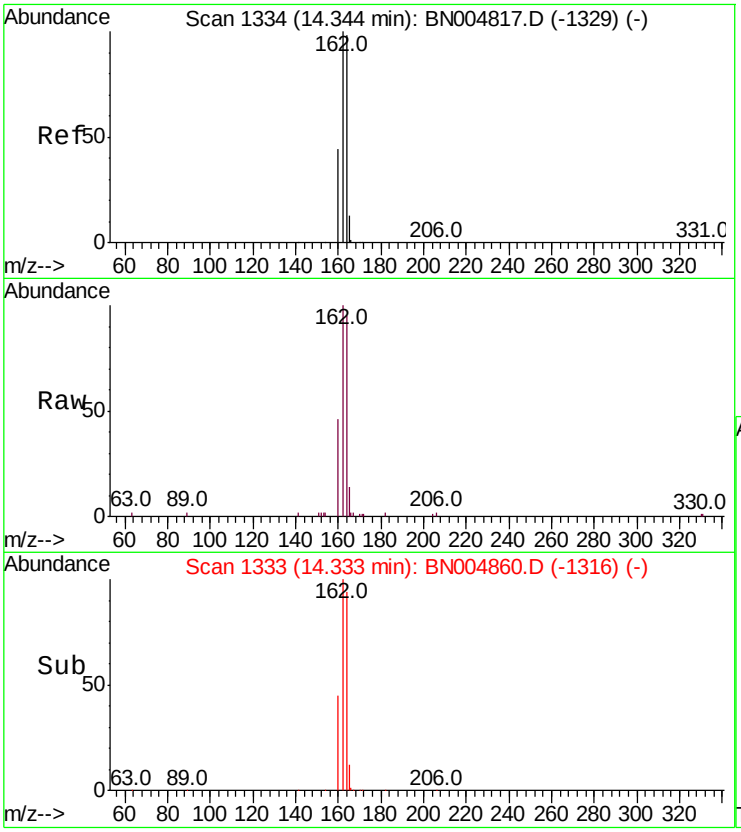


#12
2-Methylnaphthalene
Concen: 0.303 ng
RT: 12.15 min Scan# 1062
Delta R.T. -0.00 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Tgt Ion:142 Resp: 4785

Ion	Ratio	Lower	Upper
142	100		
141	90.6	71.4	107.2
115	34.8	27.5	41.3



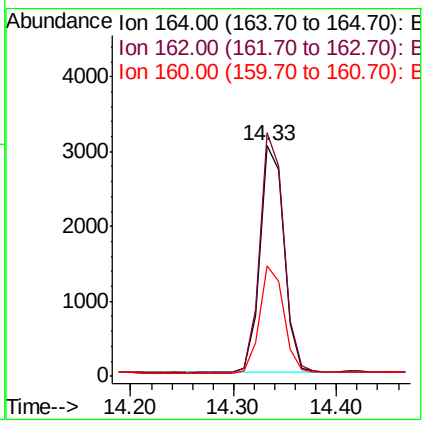


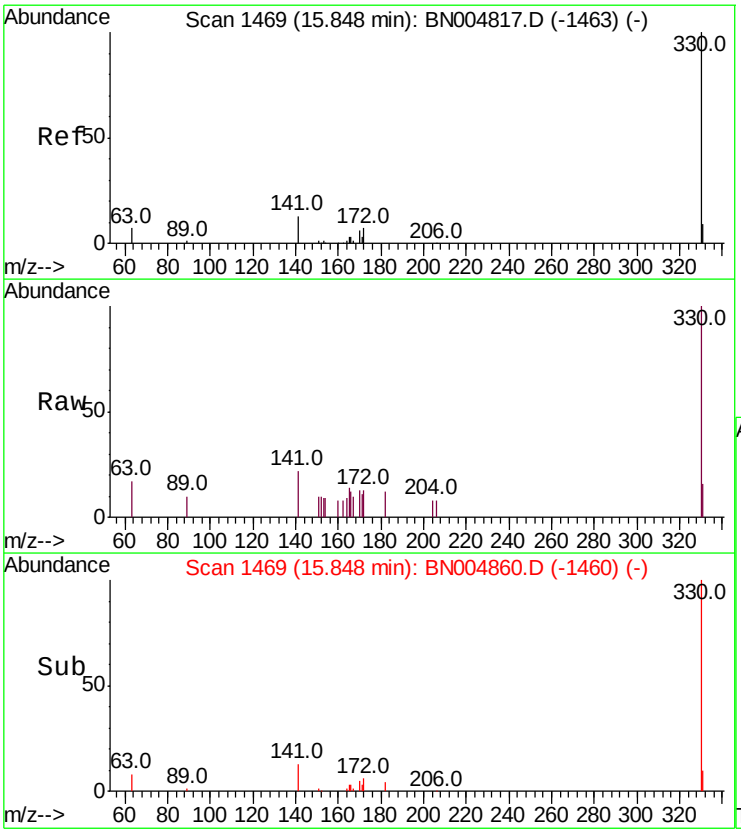
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.33 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-028-B011-030619MSD

Tgt Ion:164 Resp: 4885

Ion	Ratio	Lower	Upper
164	100		
162	105.8	81.9	122.9
160	48.3	36.6	54.8

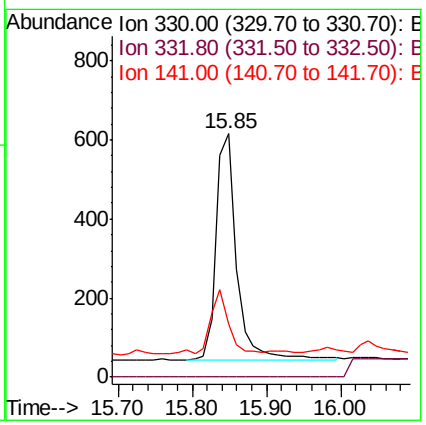


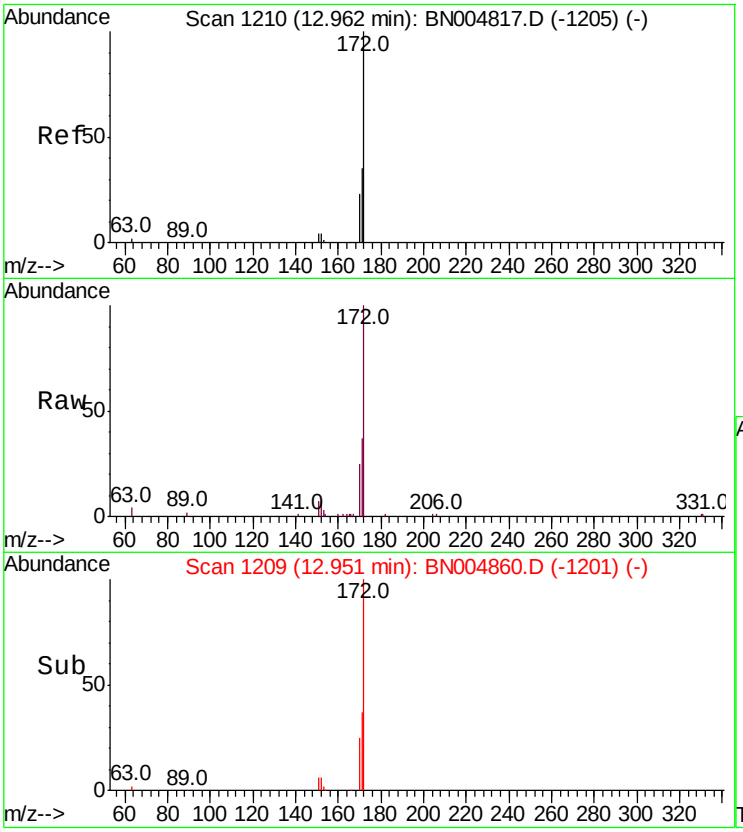


#14
2,4,6-Tribromophenol
Concen: 0.322 ng
RT: 15.85 min Scan# 1469
Delta R.T. -0.00 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Tgt Ion:330 Resp: 1086

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	26.1	20.9	31.3



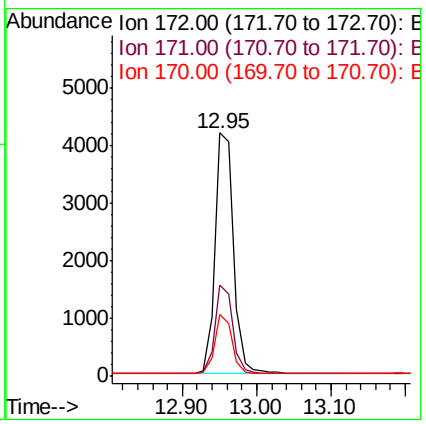


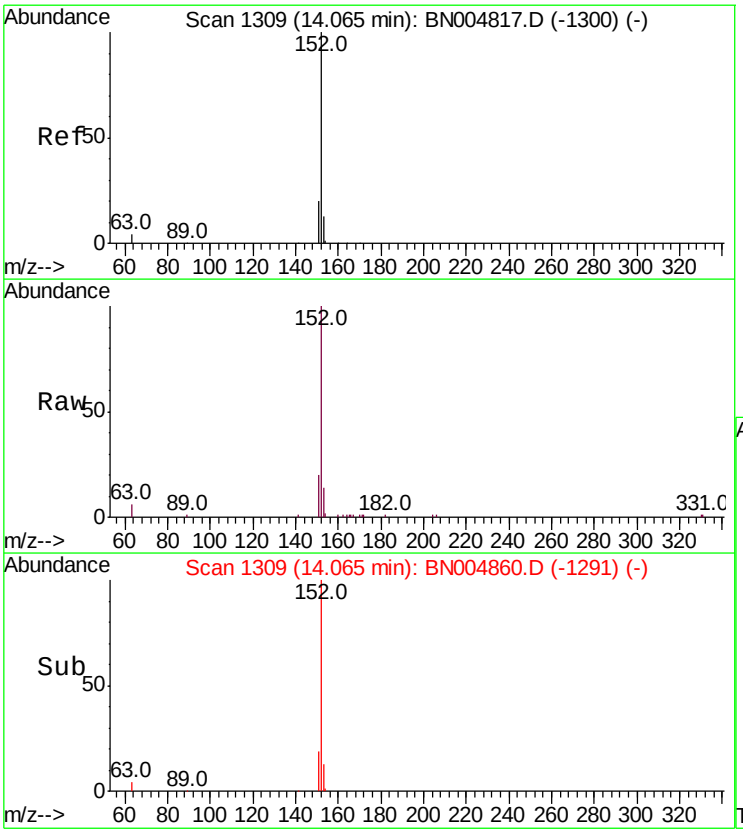
#15
2-Fluorobiphenyl
Concen: 0.357 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-028-B011-030619MSD

Tgt Ion:172 Resp: 7208

Ion	Ratio	Lower	Upper
172	100		
171	37.4	28.7	43.1
170	25.5	18.7	28.1

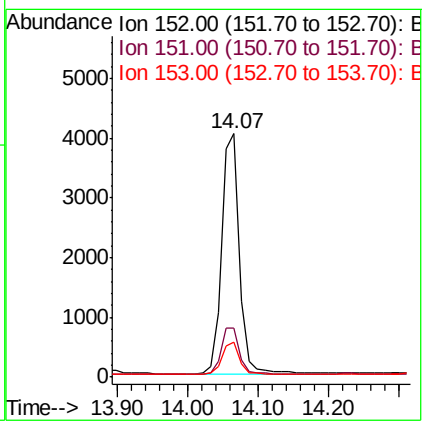


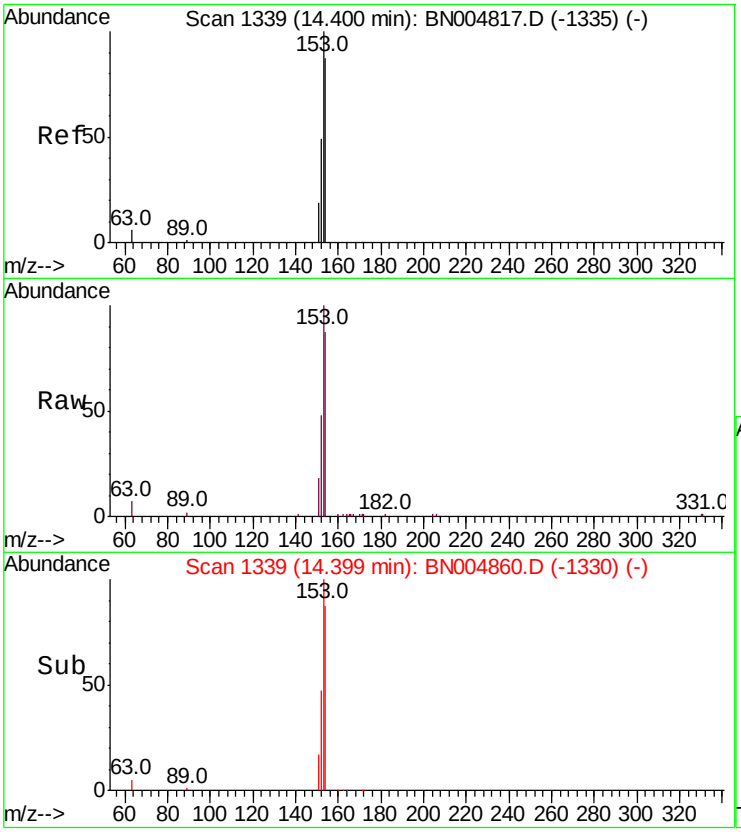


#16
Acenaphthylene
Concen: 0.287 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Tgt Ion:152 Resp: 7214

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.1	24.1
153	13.1	10.5	15.7



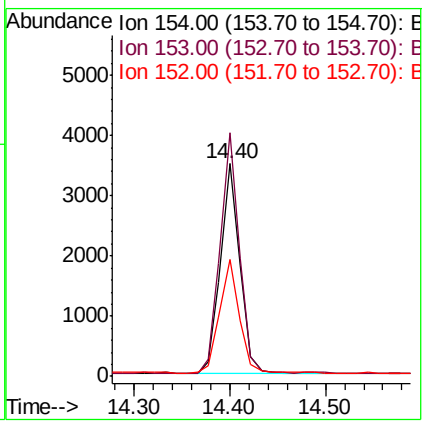


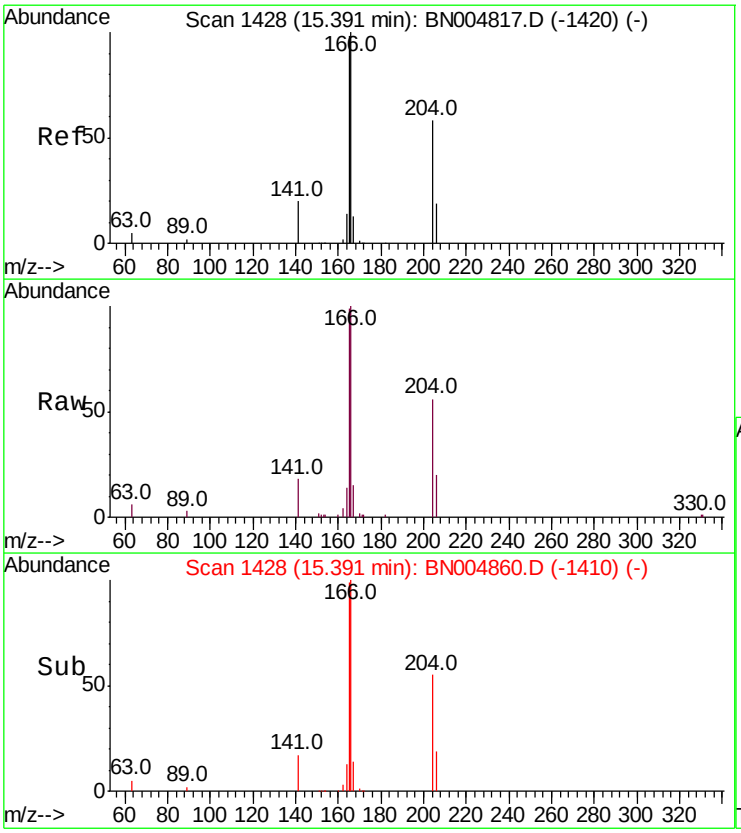
#17
Acenaphthene
Concen: 0.296 ng
RT: 14.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-028-B011-030619MSD

Tgt Ion:154 Resp: 4881

Ion	Ratio	Lower	Upper
154	100		
153	114.1	91.4	137.2
152	55.4	44.2	66.2

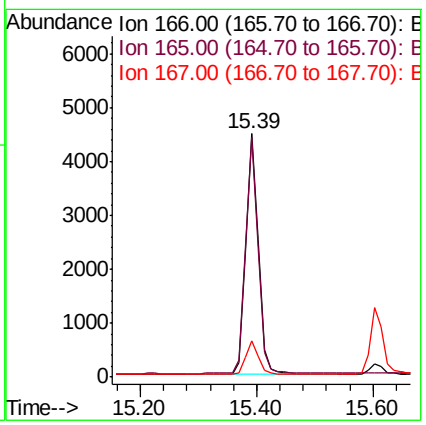


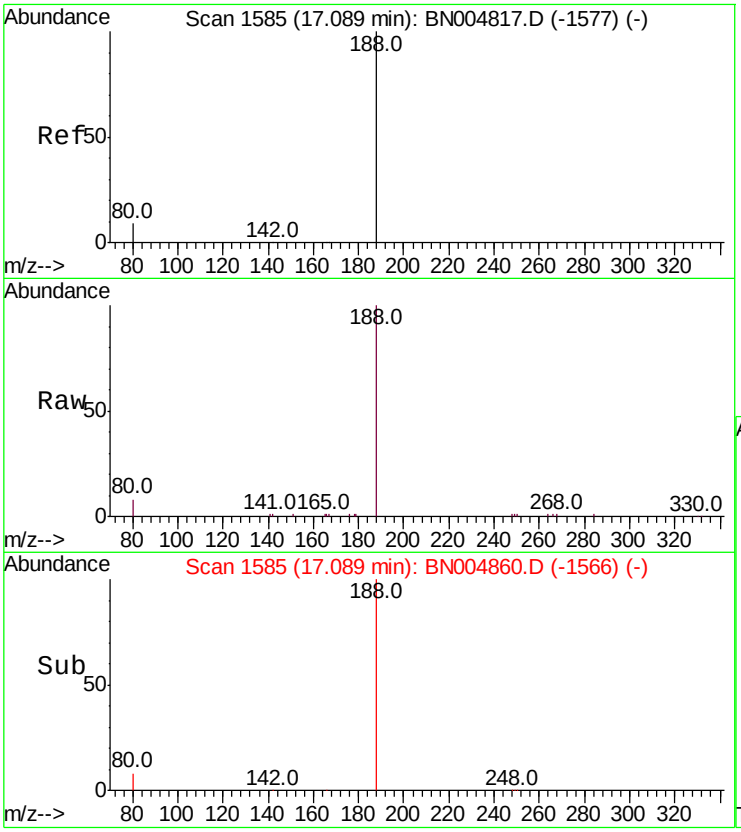


#18
Fluorene
Concen: 0.294 ng
RT: 15.39 min Scan# 1428
Delta R.T. -0.00 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Tgt Ion:166 Resp: 6767

Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.2	117.4
167	13.7	11.0	16.4



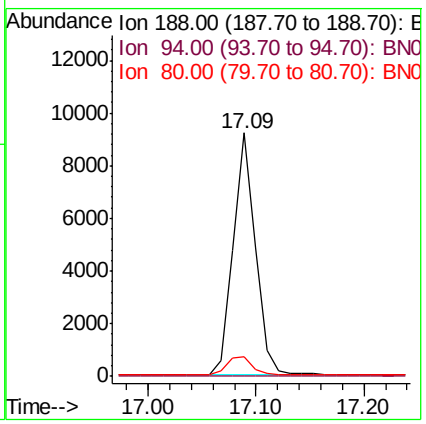


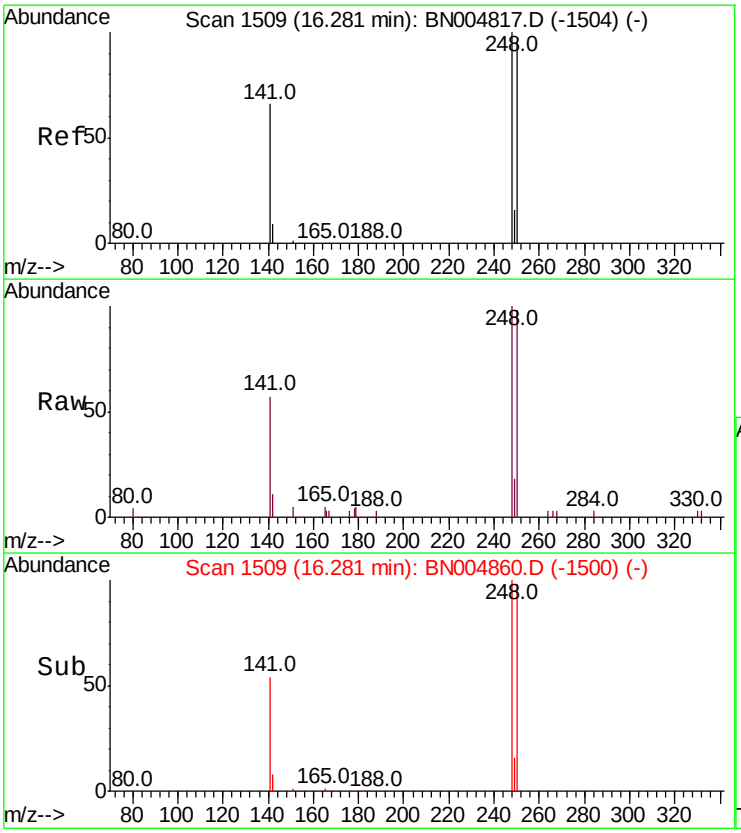
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-028-B011-030619MSD

Tgt Ion:188 Resp: 13208

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.3	7.4	11.2

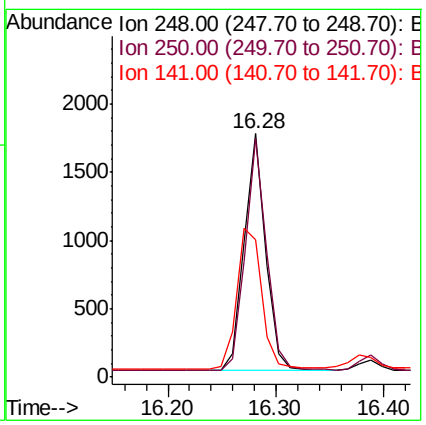


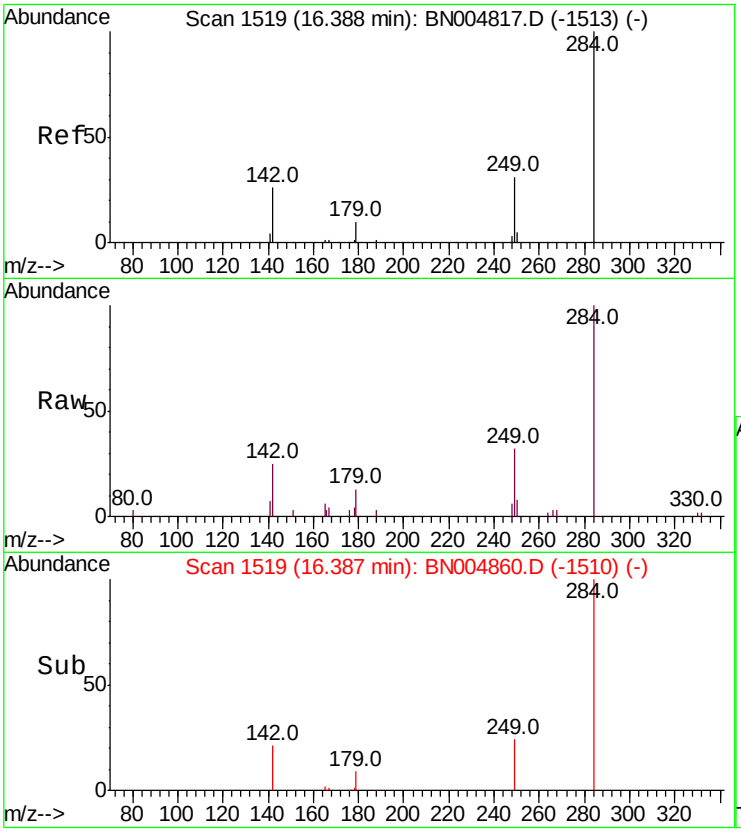


#20
4-Bromophenyl-phenylether
Concen: 0.278 ng
RT: 16.28 min Scan# 1509
Delta R.T. -0.00 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Tgt Ion:248 Resp: 2401

Ion	Ratio	Lower	Upper
248	100		
250	98.2	76.2	114.4
141	56.5	53.9	80.9



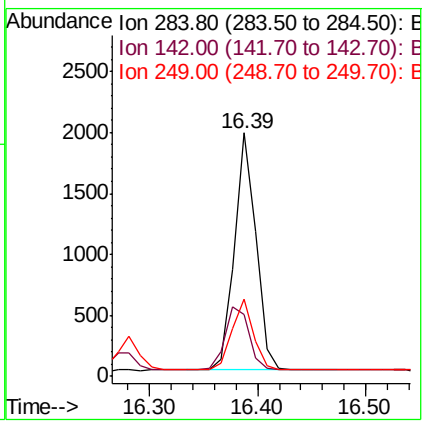


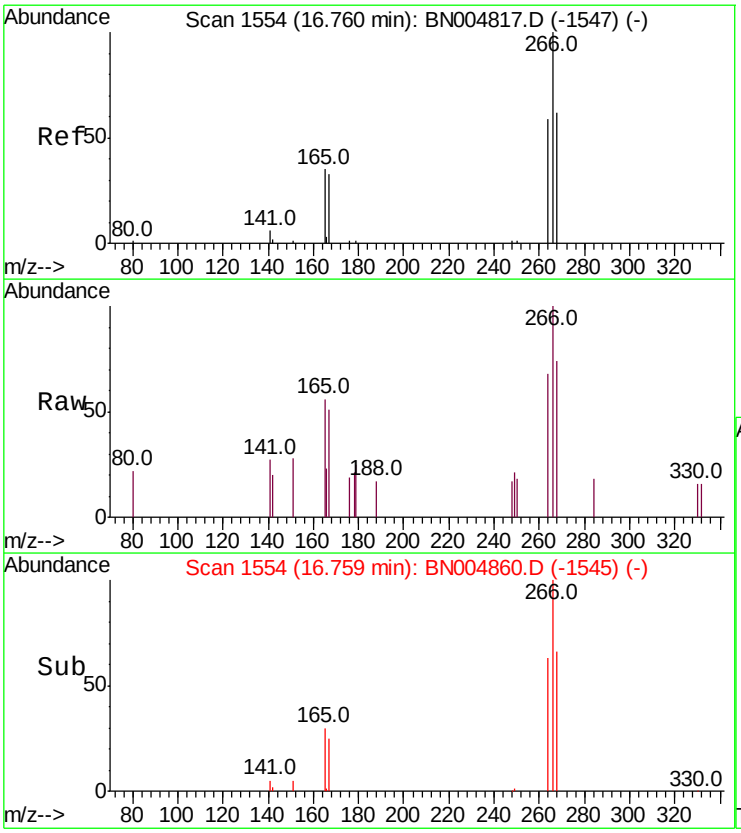
#21
Hexachlorobenzene
Concen: 0.272 ng
RT: 16.39 min Scan# 1519
Delta R.T. -0.00 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-028-B011-030619MSD

Tgt Ion:284 Resp: 2686

Ion	Ratio	Lower	Upper
284	100		
142	30.1	22.6	34.0
249	29.9	22.5	33.7

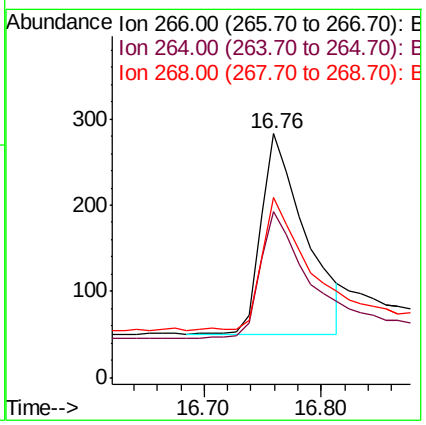


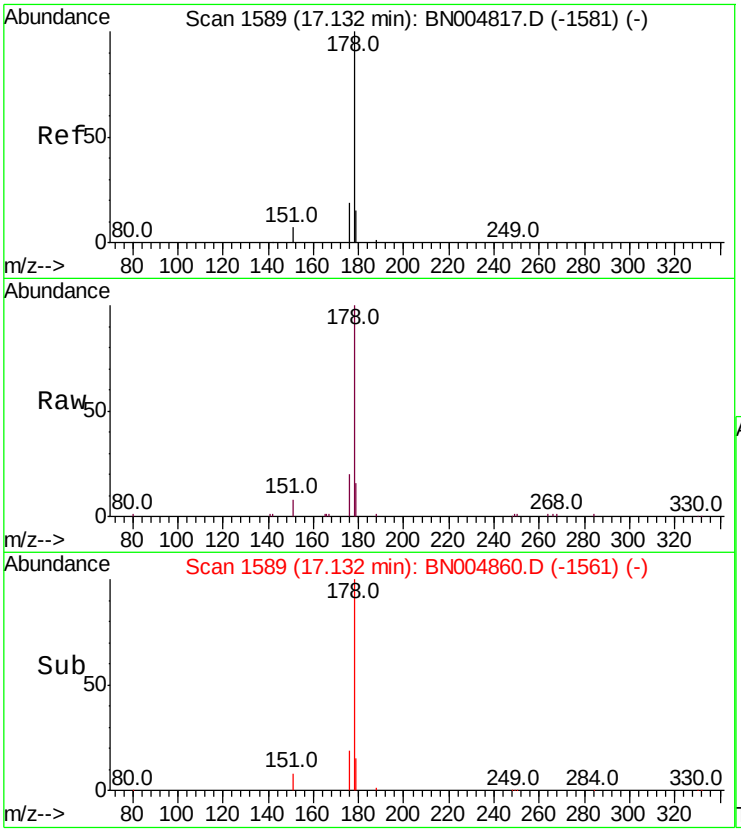


#22
Pentachlorophenol
Concen: 0.318 ng
RT: 16.76 min Scan# 1554
Delta R.T. -0.00 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Tgt Ion:266 Resp: 614

Ion	Ratio	Lower	Upper
266	100		
264	67.8	53.1	79.7
268	73.9	57.7	86.5



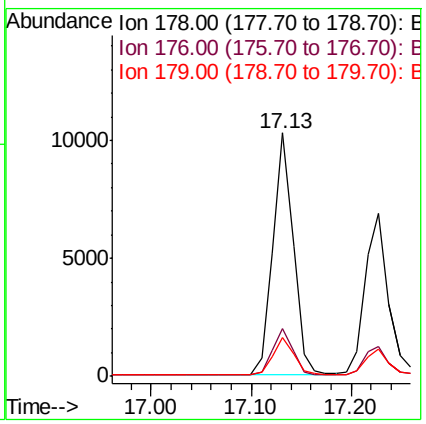


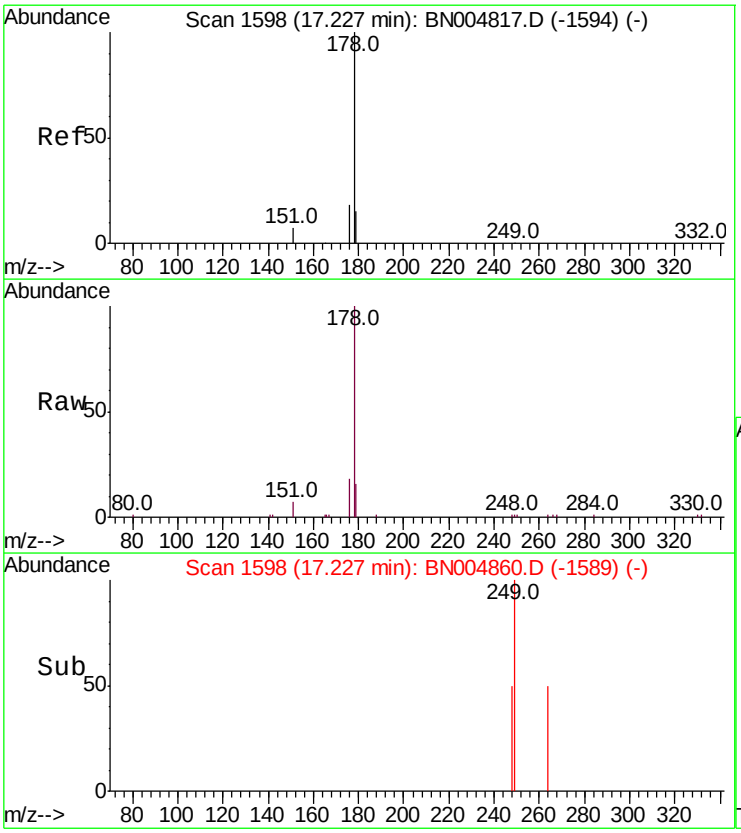
#23
Phenanthrene
Concen: 0.342 ng
RT: 17.13 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-028-B011-030619MSD

Tgt Ion:178 Resp: 14576

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.9	22.3
179	15.6	12.1	18.1

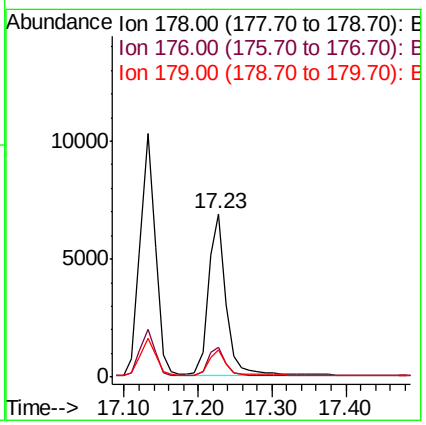


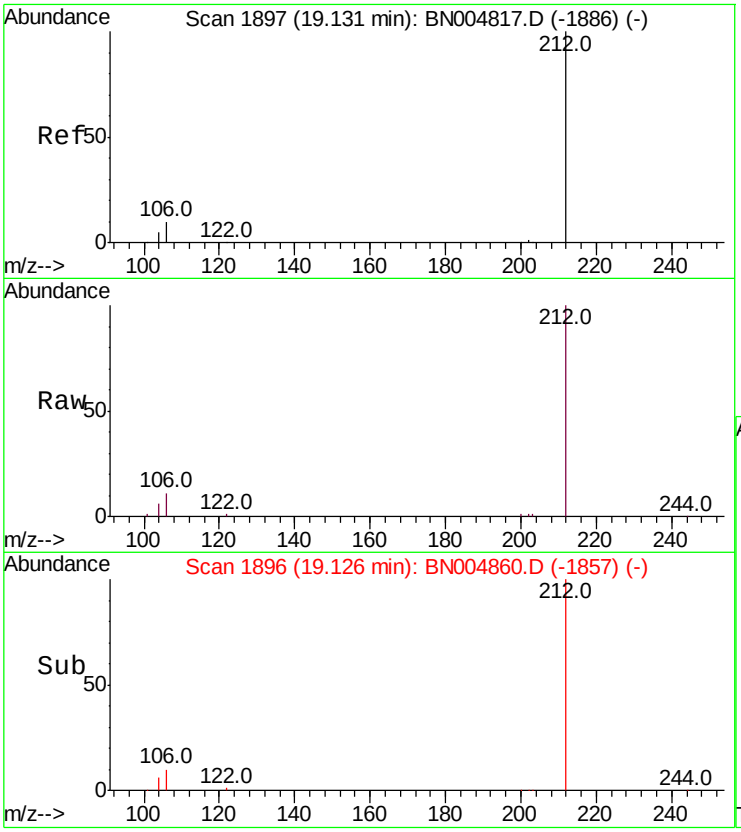


#24
Anthracene
Concen: 0.293 ng
RT: 17.23 min Scan# 1598
Delta R.T. -0.00 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Tgt Ion:178 Resp: 11170

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.5	21.7
179	15.6	12.2	18.4



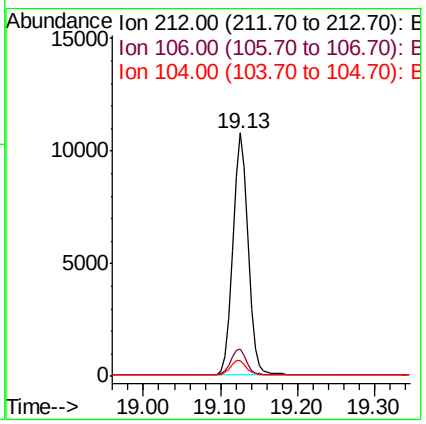


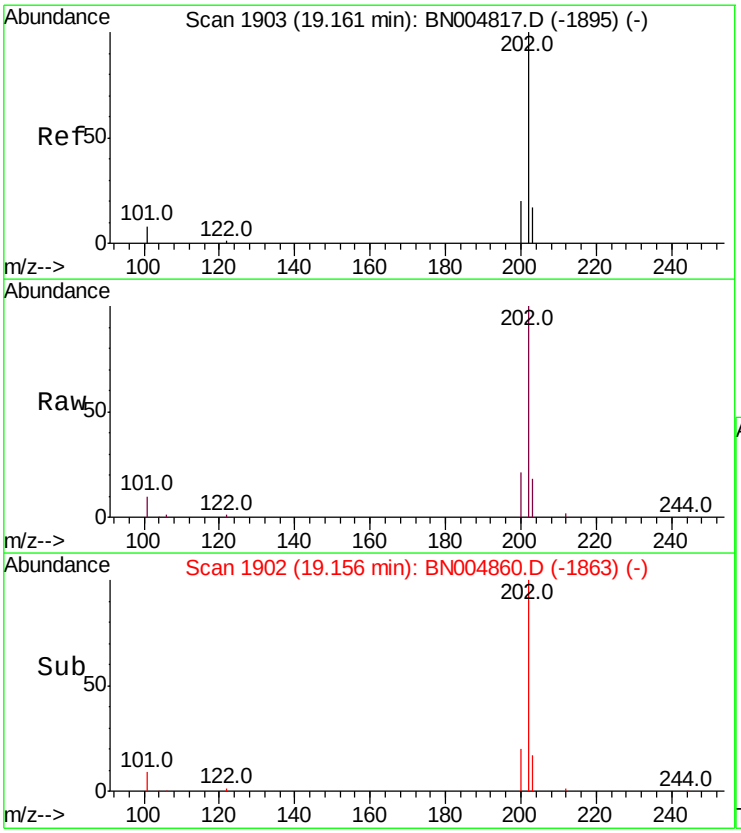
#25
Fluoranthene-d10
Concen: 0.334 ng
RT: 19.13 min Scan# 1896
Delta R.T. -0.01 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-028-B011-030619MSD

Tgt Ion:212 Resp: 14783

Ion	Ratio	Lower	Upper
212	100		
106	11.1	8.6	13.0
104	6.4	4.7	7.1

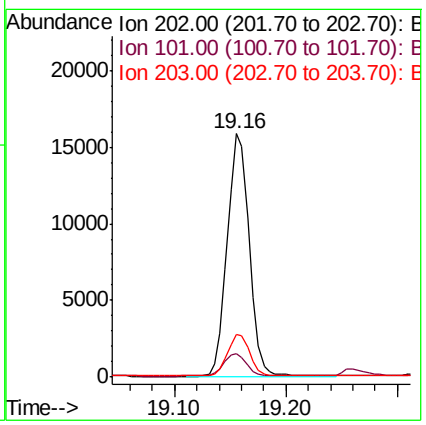


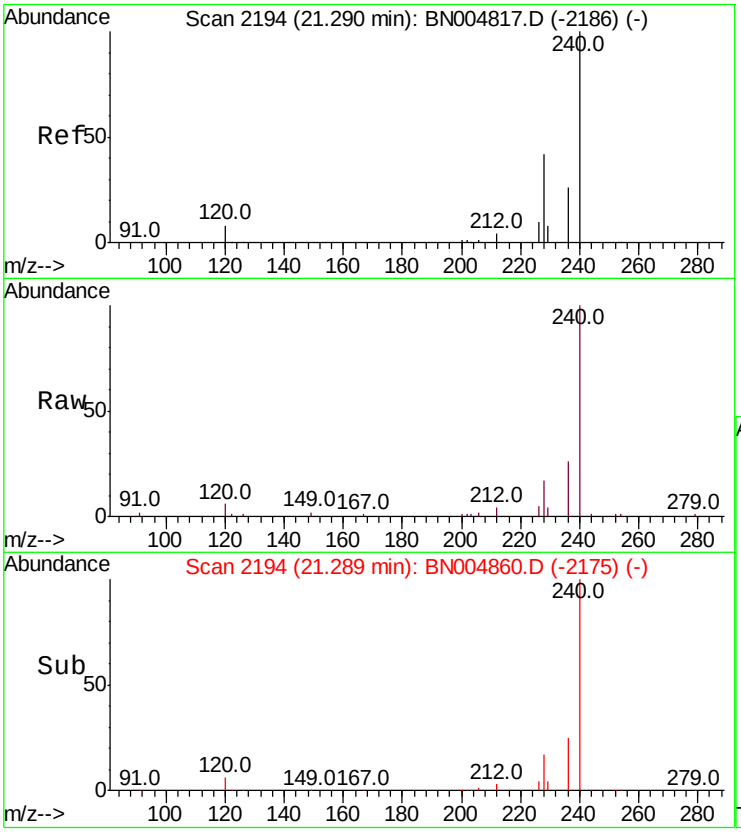


#26
Fluoranthene
Concen: 0.396 ng
RT: 19.16 min Scan# 1902
Delta R.T. -0.01 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Tgt Ion:202 Resp: 21713

Ion	Ratio	Lower	Upper
202	100		
101	9.8	7.5	11.3
203	17.4	13.8	20.6



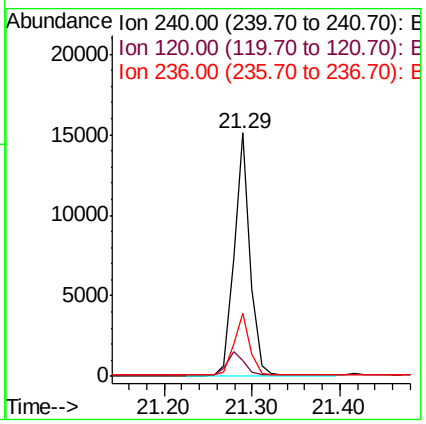


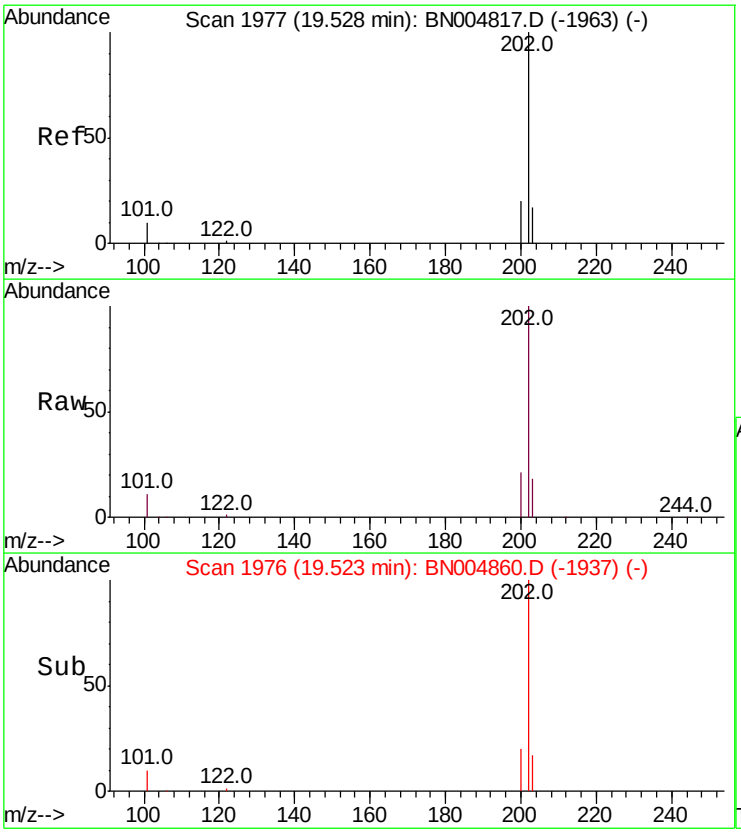
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-028-B011-030619MSD

Tgt Ion:240 Resp: 18621

Ion	Ratio	Lower	Upper
240	100		
120	6.5	7.2	10.8#
236	25.8	20.9	31.3

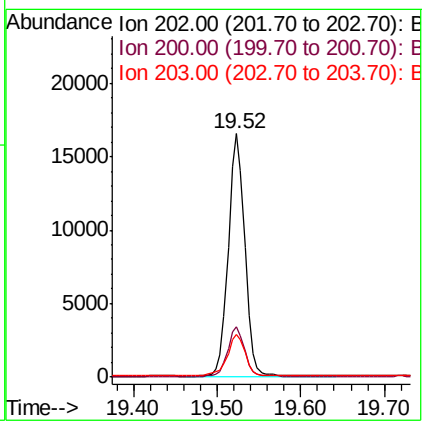


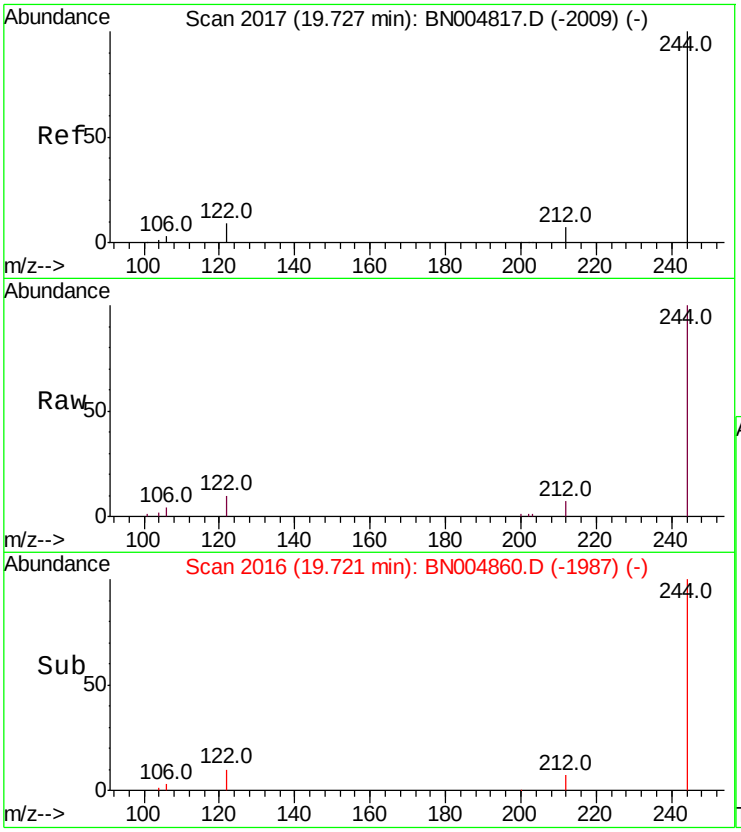


#28
Pyrene
Concen: 0.399 ng
RT: 19.52 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Tgt Ion:202 Resp: 22670

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.3	24.5
203	18.5	14.0	21.0



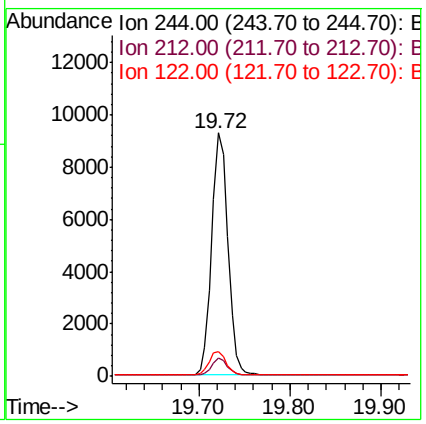


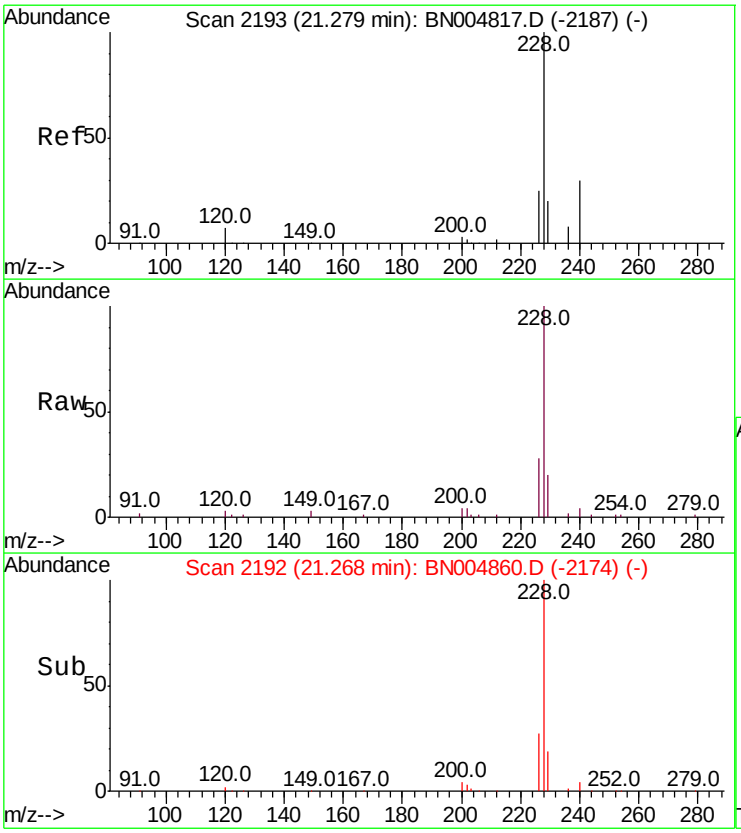
#29
Terphenyl-d14
Concen: 0.298 ng
RT: 19.72 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-028-B011-030619MSD

Tgt Ion:244 Resp: 11338

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	10.4	7.9	11.9

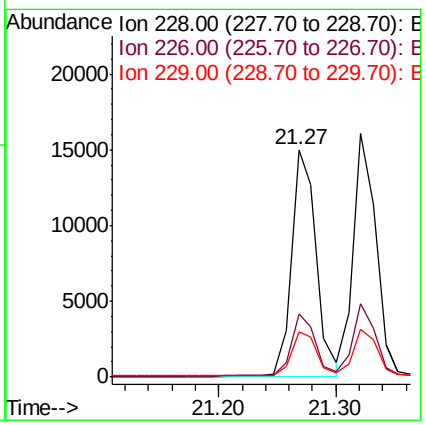


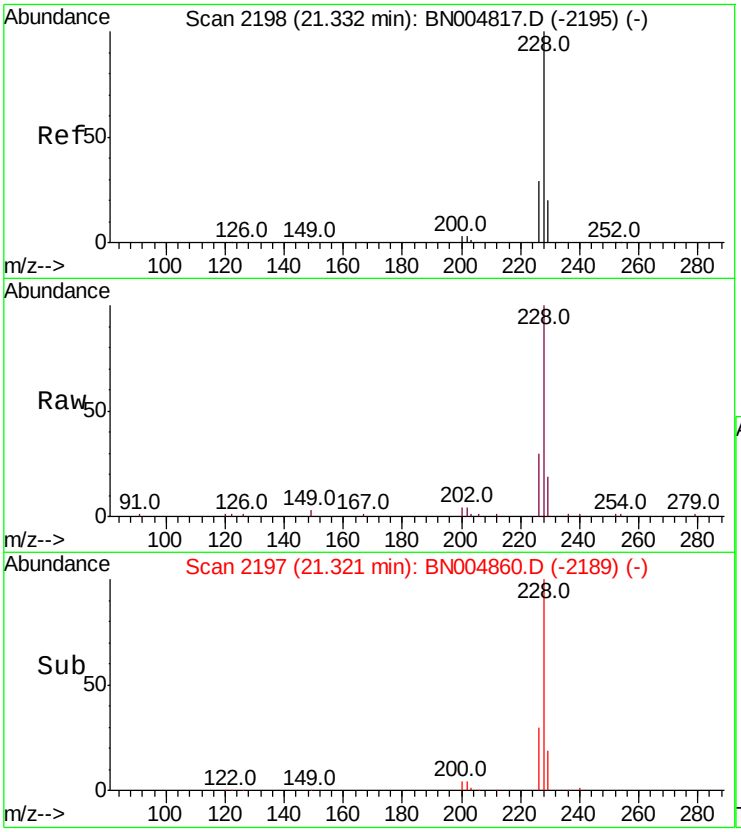


#30
Benzo(a)anthracene
Concen: 0.357 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Tgt Ion:228 Resp: 21803

Ion	Ratio	Lower	Upper
228	100		
226	27.8	20.6	31.0
229	19.6	16.2	24.4



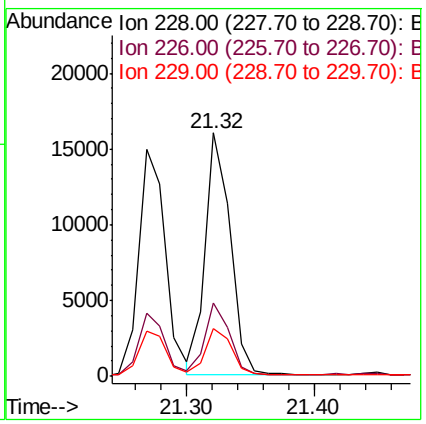


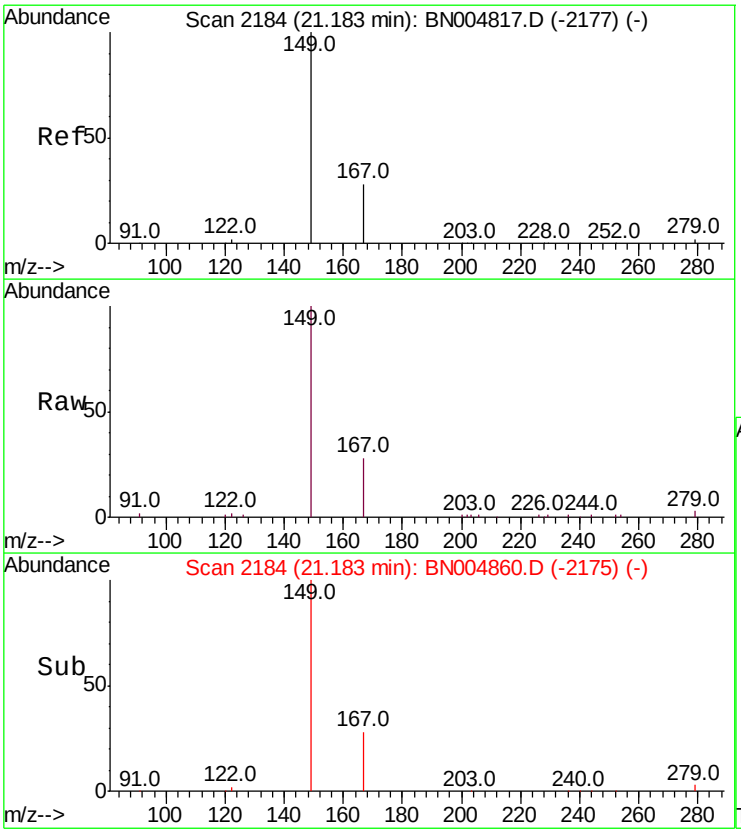
#31
Chrysene
Concen: 0.337 ng
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-028-B011-030619MSD

Tgt Ion:228 Resp: 21656

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.0	34.6
229	19.5	16.2	24.2

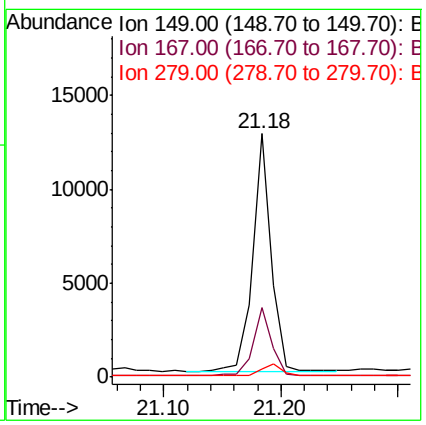


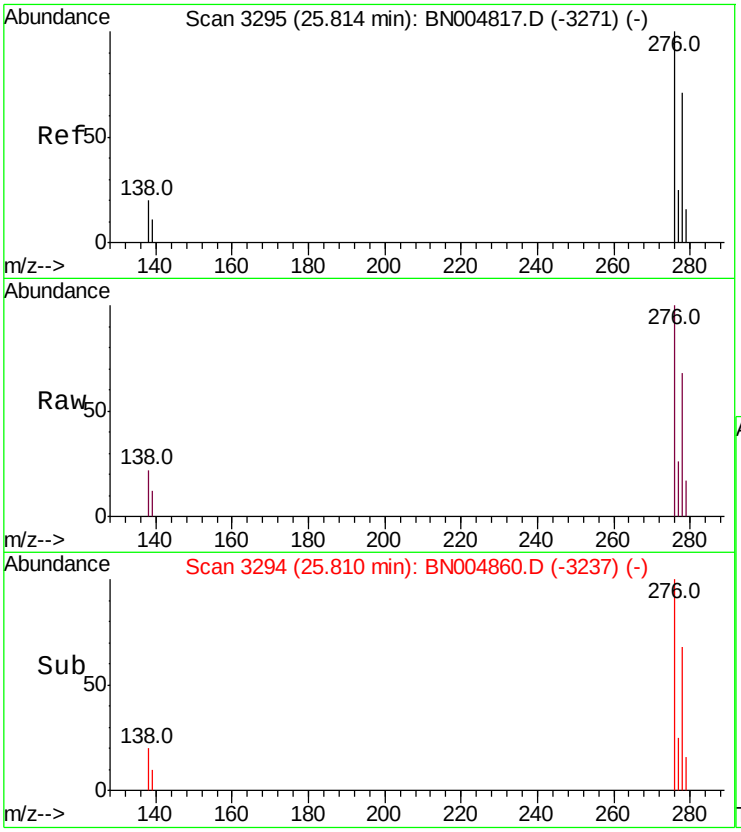


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.564 ng
RT: 21.18 min Scan# 2184
Delta R.T. -0.00 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Tgt Ion:149 Resp: 13772

Ion	Ratio	Lower	Upper
149	100		
167	28.2	23.0	34.4
279	5.3	4.6	6.8



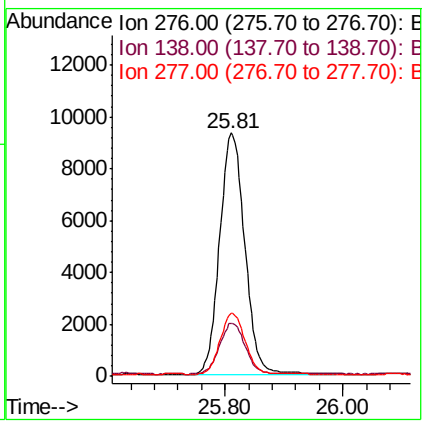


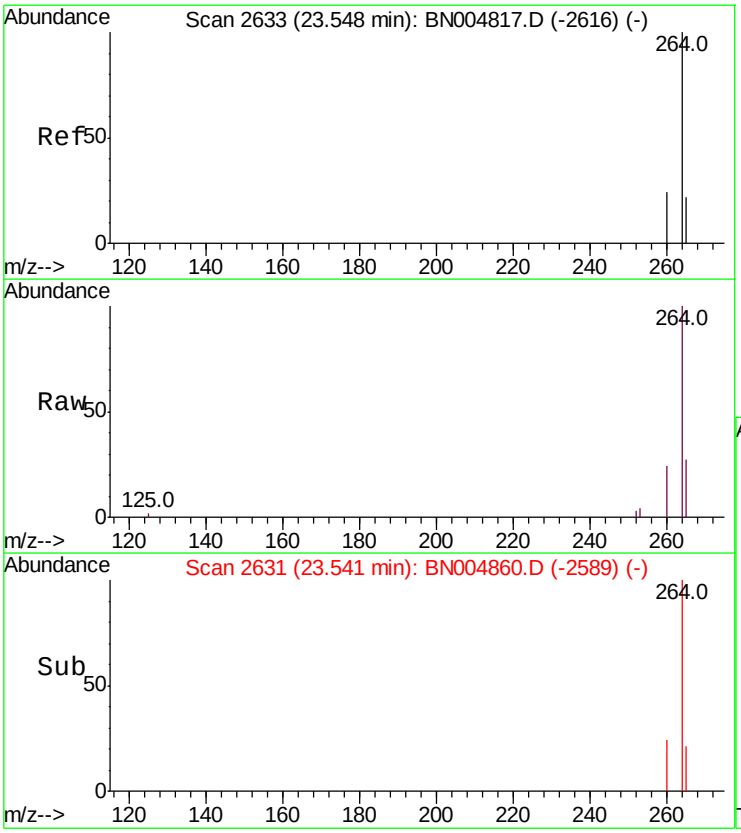
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.297 ng
RT: 25.81 min Scan# 3294
Delta R.T. -0.00 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-028-B011-030619MSD

Tgt Ion:276 Resp: 27614

Ion	Ratio	Lower	Upper
276	100		
138	21.4	16.6	24.8
277	24.9	20.3	30.5

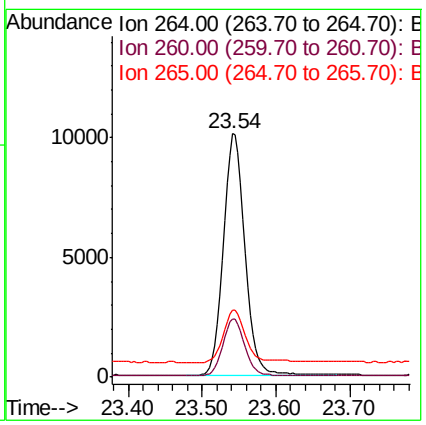


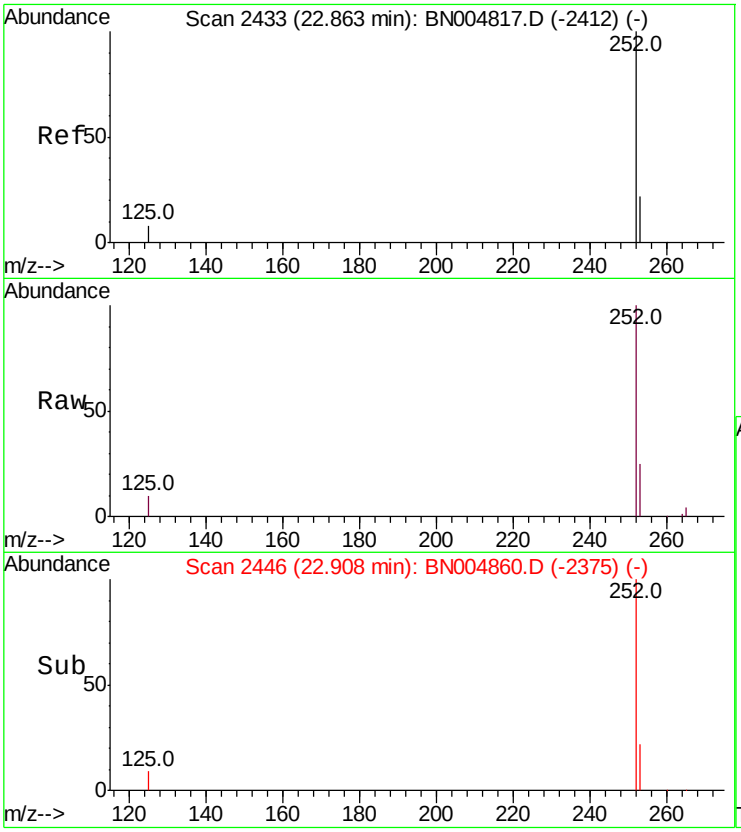


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.54 min Scan# 2631
Delta R.T. -0.01 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Tgt Ion:264 Resp: 20277

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	27.3	23.1	34.7



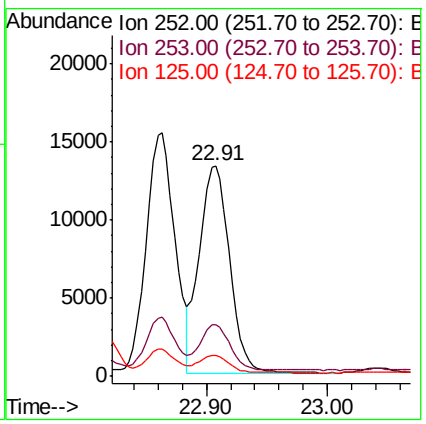


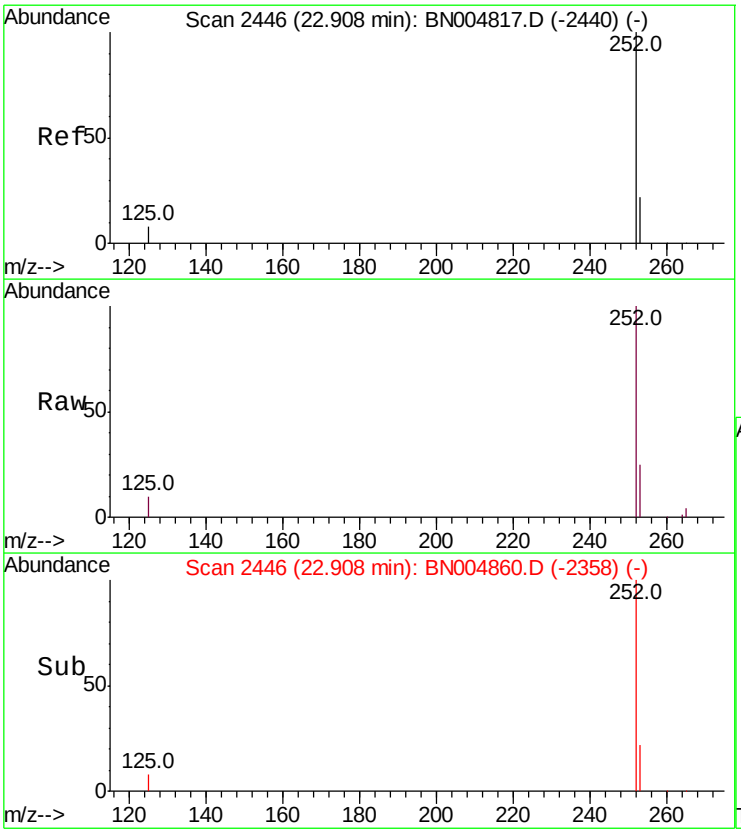
#35
Benzo(b)fluoranthene
Concen: 0.315 ng
RT: 22.91 min Scan# 2446
Delta R.T. 0.04 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-028-B011-030619MSD

Tgt Ion:252 Resp: 23115

Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.0	28.4
125	10.1	7.4	11.2

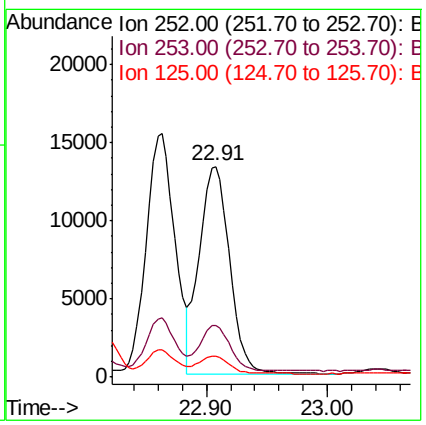


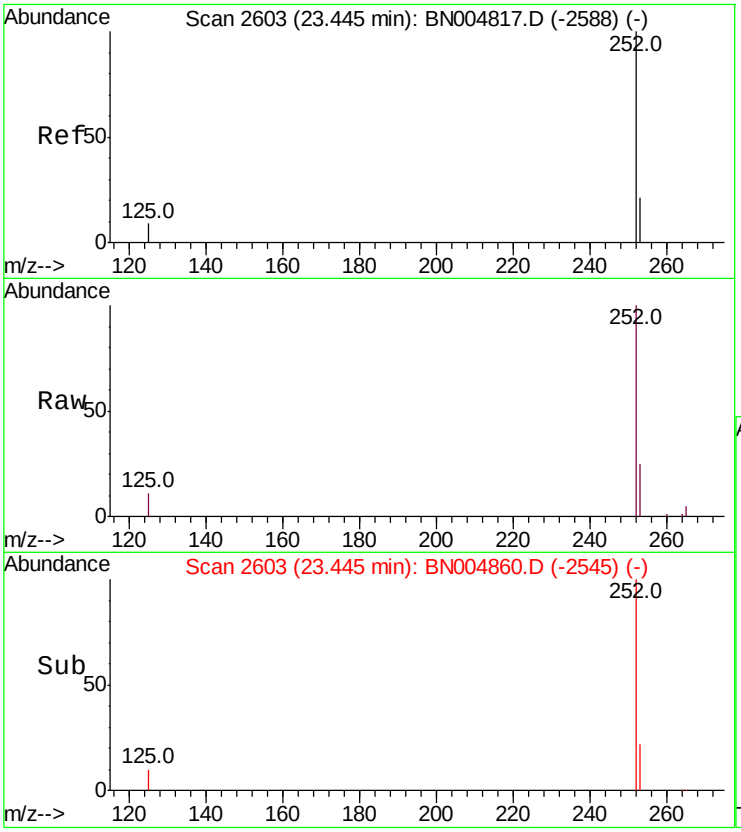


#36
Benzo(k)fluoranthene
Concen: 0.320 ng
RT: 22.91 min Scan# 2446
Delta R.T. -0.00 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Tgt Ion:252 Resp: 23115

Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.3	28.9
125	10.1	7.4	11.0



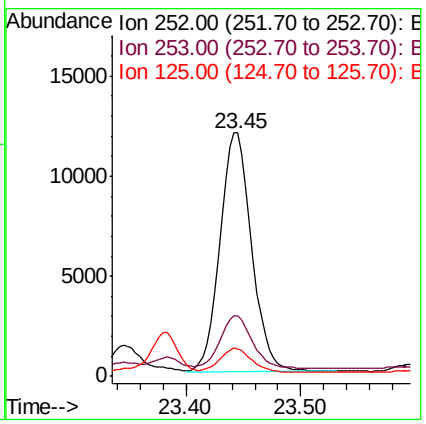


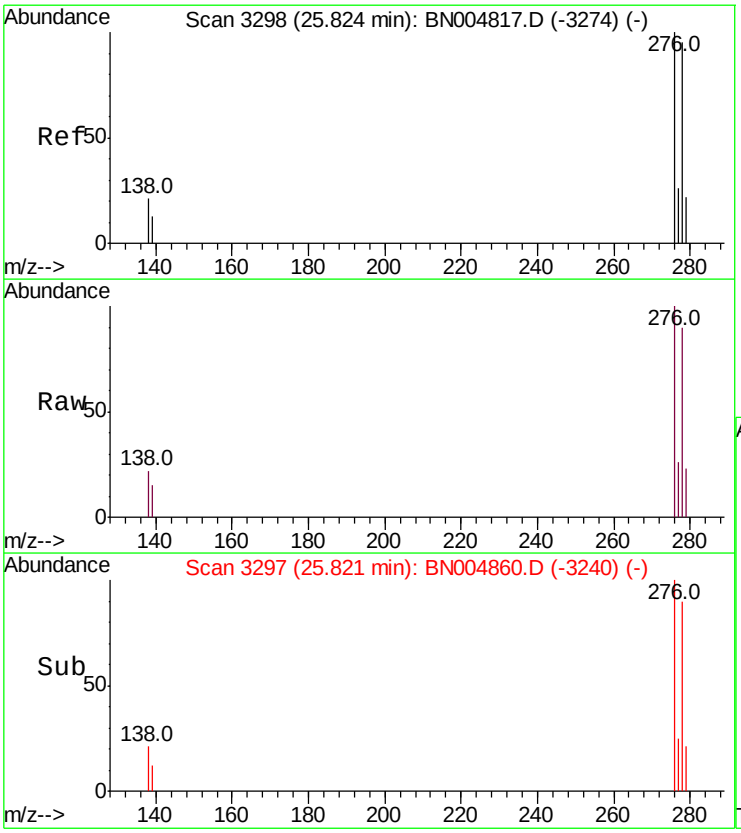
#37
Benzo(a)pyrene
Concen: 0.344 ng
RT: 23.45 min Scan# 2603
Delta R.T. -0.00 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-028-B011-030619MSD

Tgt Ion:252 Resp: 23117

Ion	Ratio	Lower	Upper
252	100		
253	25.1	19.7	29.5
125	11.4	8.3	12.5

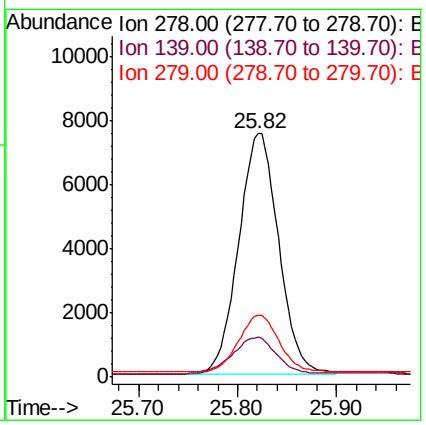


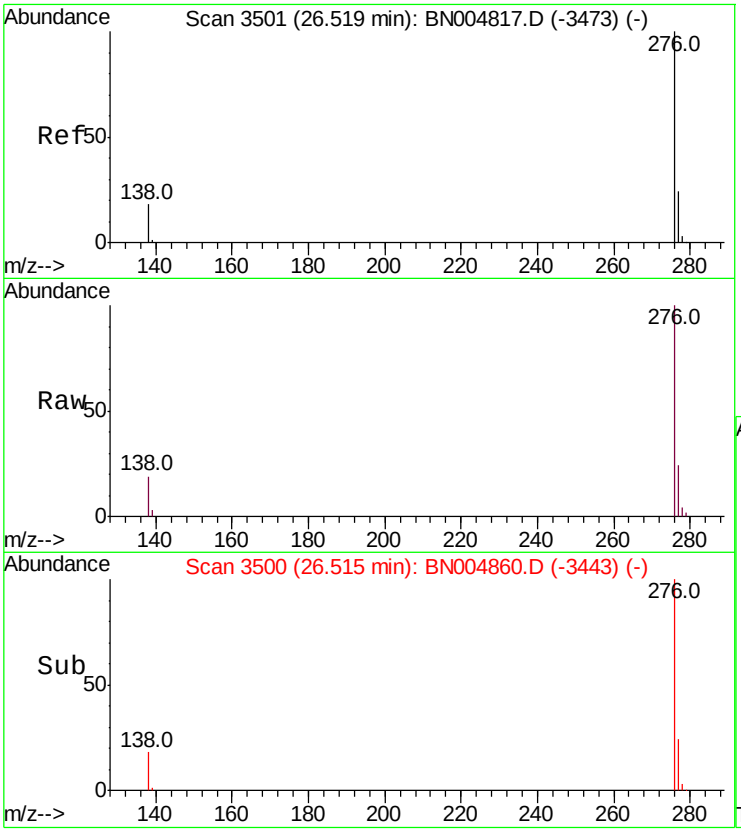


#38
Dibenzo(a,h)anthracene
Concen: 0.273 ng
RT: 25.82 min Scan# 3297
Delta R.T. -0.00 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Tgt Ion:278 Resp: 21309

Ion	Ratio	Lower	Upper
278	100		
139	16.5	11.7	17.5
279	25.2	19.9	29.9





#39
Benzo(g,h,i)perylene
Concen: 0.296 ng
RT: 26.52 min Scan# 3500
Delta R.T. -0.00 min
Lab File: BN004860.D
Acq: 21 Mar 2019 21:10

Instrument :
BNA_N
ClientSampleId :
PST-028-B011-030619MSD

Tgt Ion:276 Resp: 23515

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.7	29.5
138	18.7	14.6	22.0