Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032519\
Data File : BN004961.D
Acq On : 25 Mar 2019 15:21
Operator : JU/SJ
Sample : K1948-14MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PST-025-SW046-031319MS

Quant Time: Mar 26 04:18:14 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	7.68	152	3570	0.40	ng		-0.02
7) Naphthalene-d8	10.47	136	13955	0.40	ng		-0.03
13) Acenaphthene-d10	14.32	164	6856	0.40	ng		-0.02
19) Phenanthrene-d10	17.08	188	13975	0.40	ng		-0.01
27) Chrysene-d12	21.28	240	16869	0.40	ng		-0.01
34) Perylene-d12	23.53	264	18294	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.28	112	3405	0.35	ng		0.00
5) Phenol-d6	6.86	99	4164	0.34	ng		-0.02
8) Nitrobenzene-d5	8.84	82	3381	0.37	ng		-0.03
11) 2-Methylnaphthalene-d10	12.06	152	6943	0.29	ng		-0.02
14) 2,4,6-Tribromophenol	15.84	330	1242	0.26	ng		-0.01
15) 2-Fluorobiphenyl	12.94	172	9064	0.32	ng		-0.02
25) Fluoranthene-d10	19.12	212	13144	0.28	ng		-0.02
29) Terphenyl-d14	19.72	244	8673	0.25	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.22	88	1019	0.251	ng	#	37
3) n-Nitrosodimethylamine	3.54	42	814	0.339	ng	#	79
6) bis(2-Chloroethyl)ether	7.12	93	3576	0.328	ng		99
9) Naphthalene	10.52	128	12588	0.322	ng		99
10) Hexachlorobutadiene	10.78	225	2066	0.277	ng	#	99
12) 2-Methylnaphthalene	12.14	142	8446	0.291	ng		99
16) Acenaphthylene	14.04	152	11908	0.337	ng		100
17) Acenaphthene	14.39	154	7148	0.309	ng		99
18) Fluorene	15.38	166	9036	0.280	ng		100
20) 4-Bromophenyl-phenylether	16.27	248	2868	0.314	ng	#	89
21) Hexachlorobenzene	16.38	284	2950	0.282	ng		93
22) Pentachlorophenol	16.75	266	1545	0.756	ng		95
23) Phenanthrene	17.12	178	18268	0.405	ng		99
24) Anthracene	17.22	178	13397	0.332	ng		99
26) Fluoranthene	19.15	202	29126	0.502	ng		99
28) Pyrene	19.51	202	28130	0.547	ng		98
30) Benzo(a)anthracene	21.27	228	23137	0.418	ng		97
31) Chrysene	21.32	228	23693	0.407	ng		98
32) Bis(2-ethylhexyl)phthalate	21.17	149	17409	0.788	ng		98
33) Indeno(1,2,3-cd)pyrene	25.80	276	27656	0.328	ng		97
35) Benzo(b)fluoranthene	22.85	252	28792	0.435	ng	#	92
36) Benzo(k)fluoranthene	22.90	252	22807	0.350	ng	#	92
37) Benzo(a)pyrene	23.43	252	23827	0.392	ng	#	92
38) Dibenzo(a,h)anthracene	25.81	278	19945	0.284	ng	#	91
39) Benzo(g,h,i)perylene	26.50	276	24483	0.342	ng	#	94

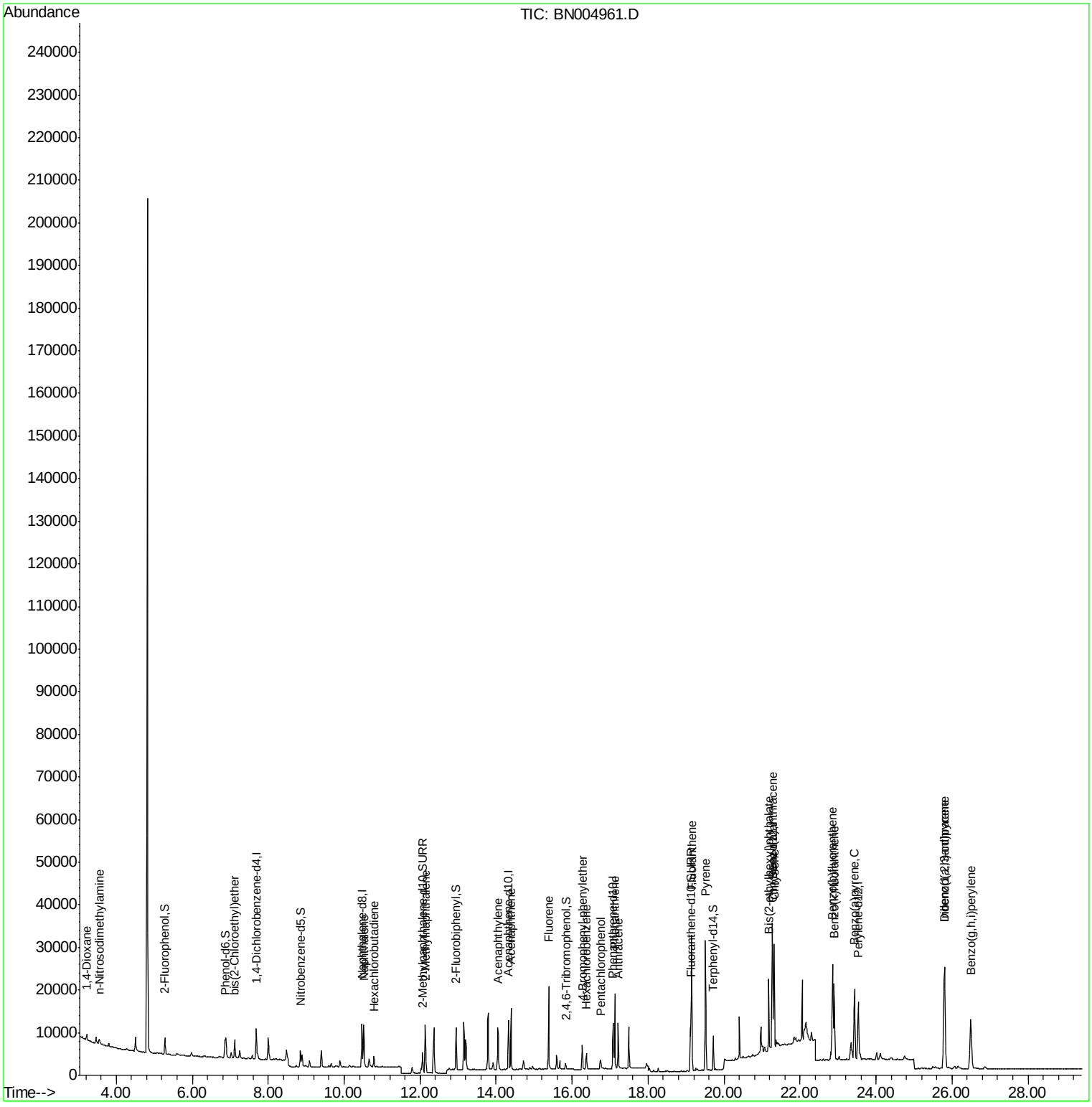
(#) = qualifier out of range (m) = manual integration (+) = signals summed

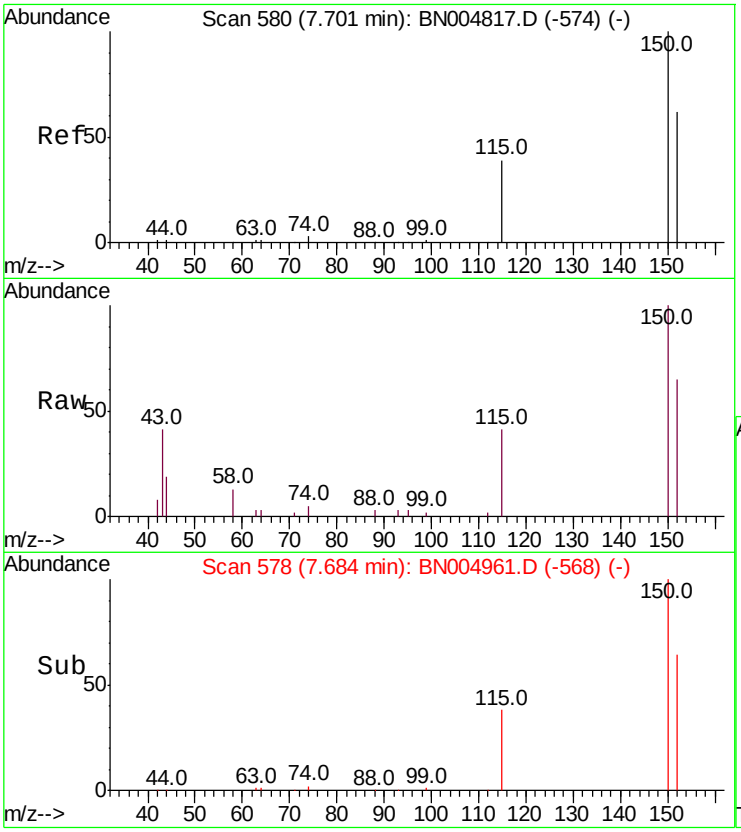
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032519\
Data File : BN004961.D
Acq On : 25 Mar 2019 15:21
Operator : JU/SJ
Sample : K1948-14MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319MS

Quant Time: Mar 26 04:18:14 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



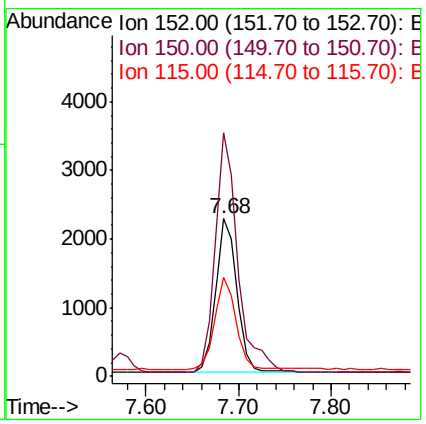


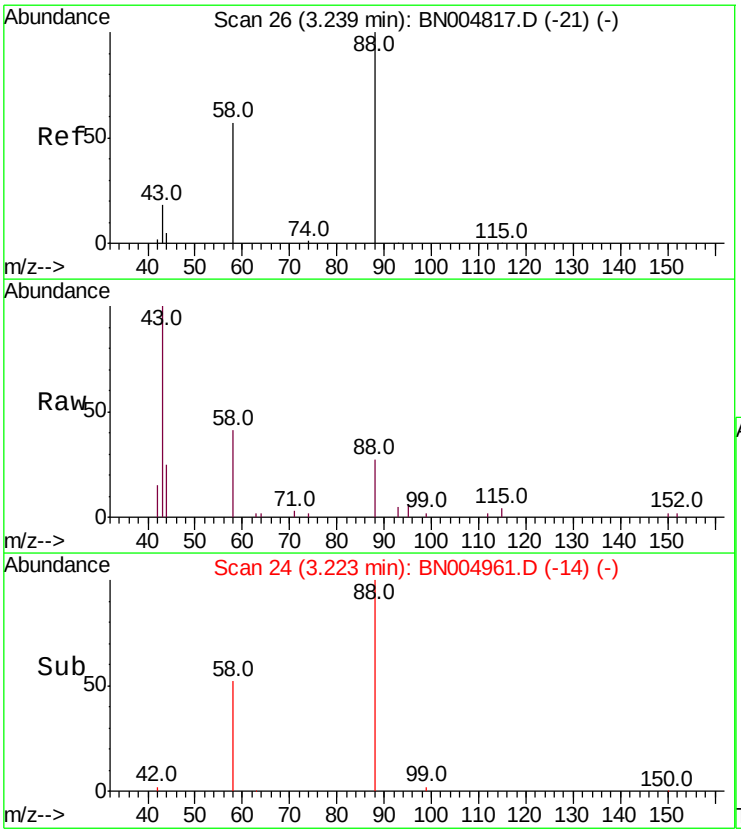
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 578
Delta R.T. -0.02 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319MS

Tgt Ion:152 Resp: 3570

Ion	Ratio	Lower	Upper
152	100		
150	154.7	126.2	189.4
115	63.0	52.6	79.0

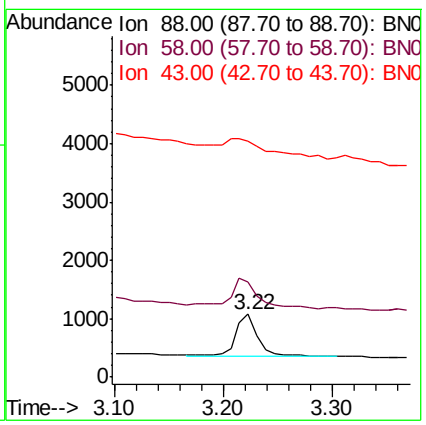


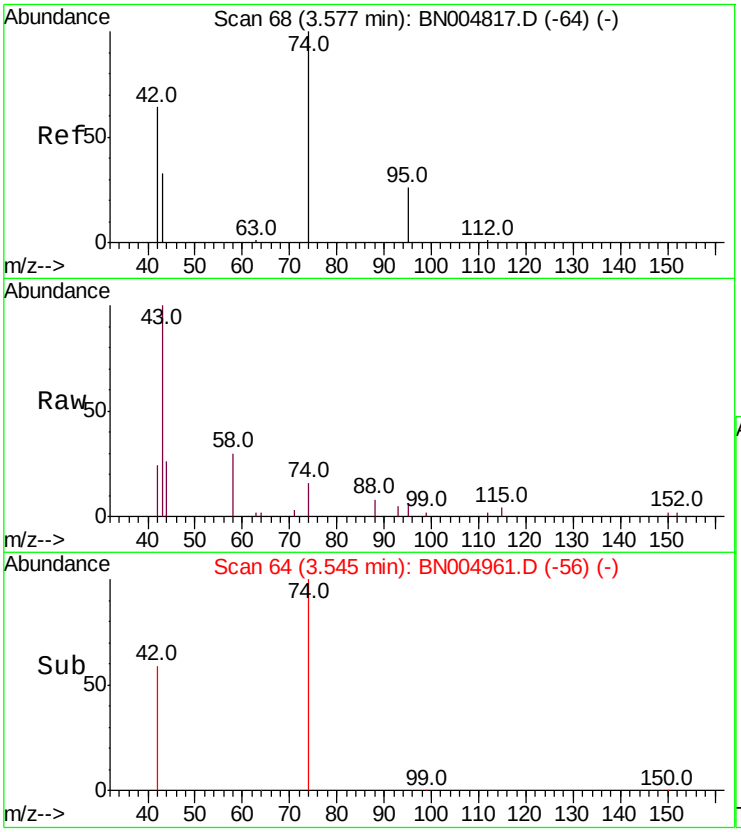


#2
1,4-Dioxane
Concen: 0.251 ng
RT: 3.22 min Scan# 24
Delta R.T. -0.02 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Tgt Ion: 88 Resp: 1019

Ion	Ratio	Lower	Upper
88	100		
58	84.2	51.4	77.2#
43	104.4	20.0	30.0#



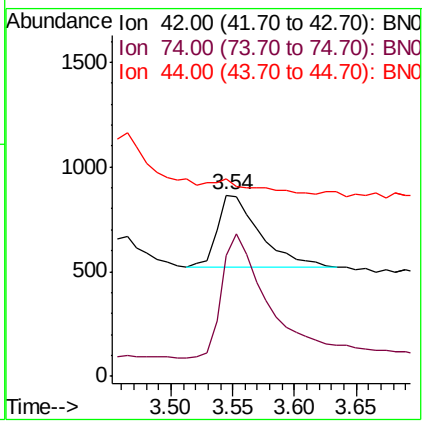


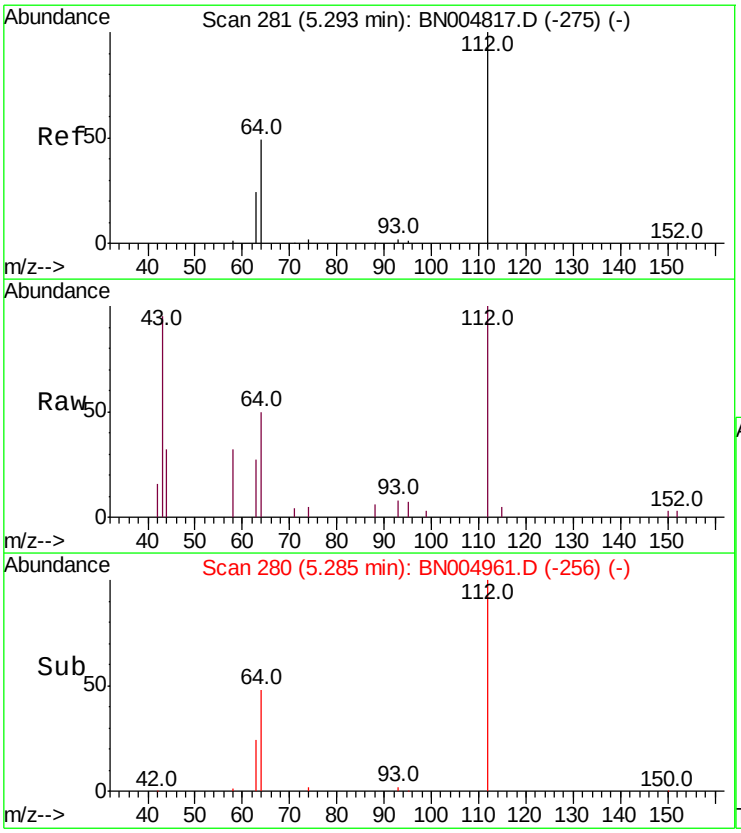
#3
n-Nitrosodimethylamine
Concen: 0.339 ng
RT: 3.54 min Scan# 64
Delta R.T. -0.03 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319MS

Tgt Ion: 42 Resp: 814

Ion	Ratio	Lower	Upper
42	100		
74	188.7	128.4	192.6
44	0.0	6.1	9.1#

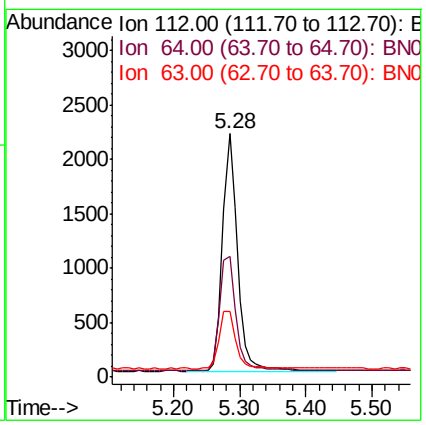


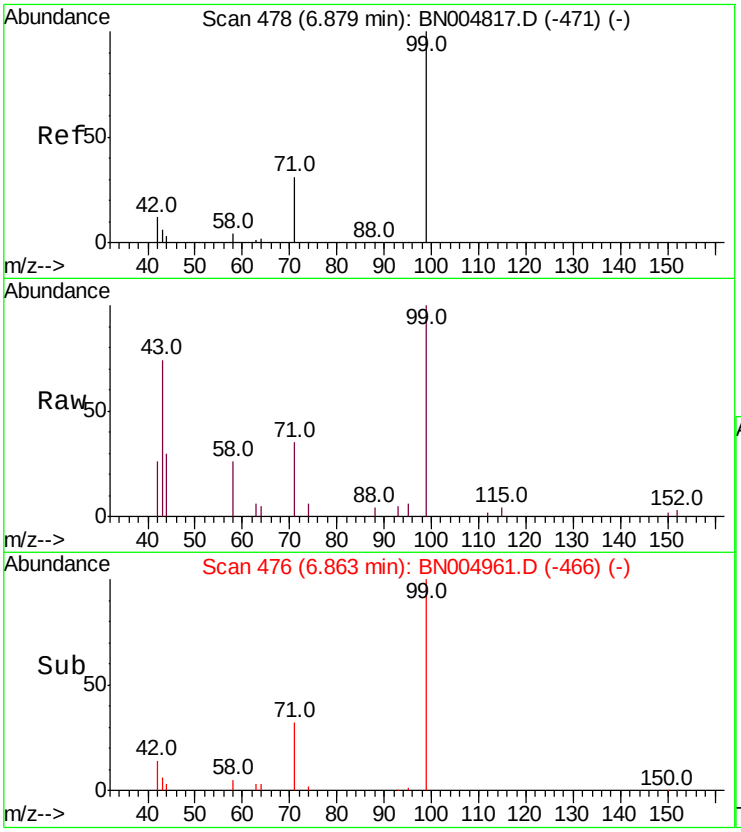


#4
2-Fluorophenol
Concen: 0.351 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Tgt Ion:112 Resp: 3405

Ion	Ratio	Lower	Upper
112	100		
64	51.8	40.0	60.0
63	26.1	20.2	30.2



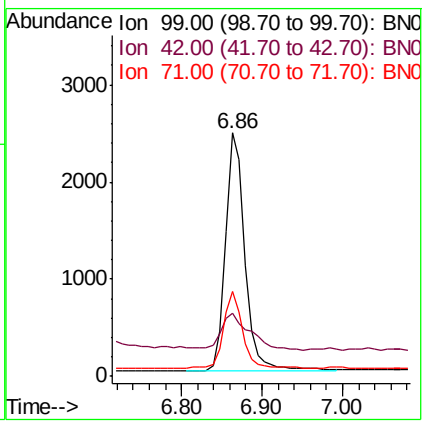


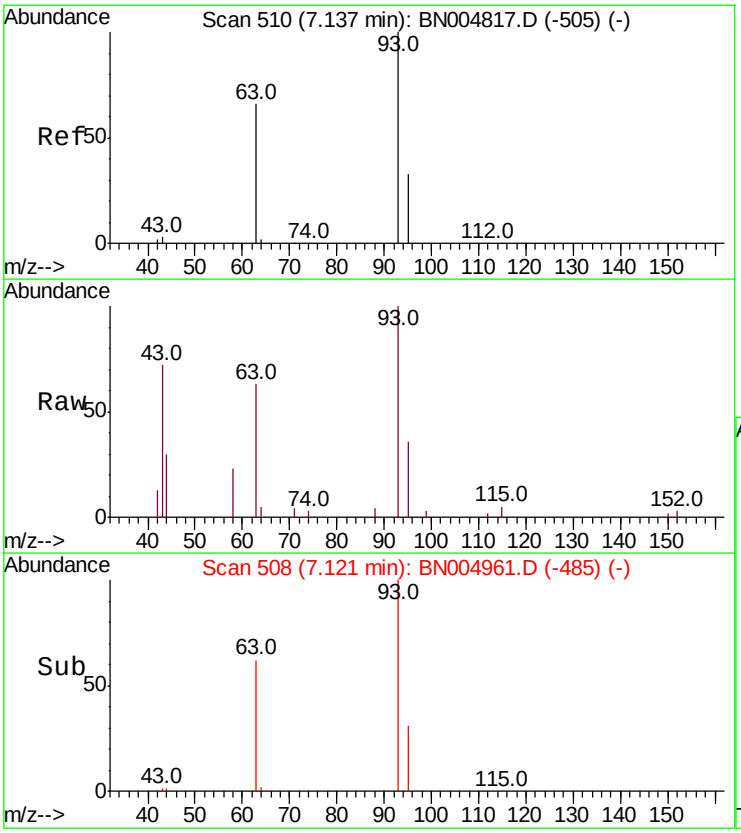
#5
Phenol-d6
Concen: 0.345 ng
RT: 6.86 min Scan# 476
Delta R.T. -0.02 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319MS

Tgt Ion: 99 Resp: 4164

Ion	Ratio	Lower	Upper
99	100		
42	22.9	12.7	19.1#
71	31.1	26.6	40.0

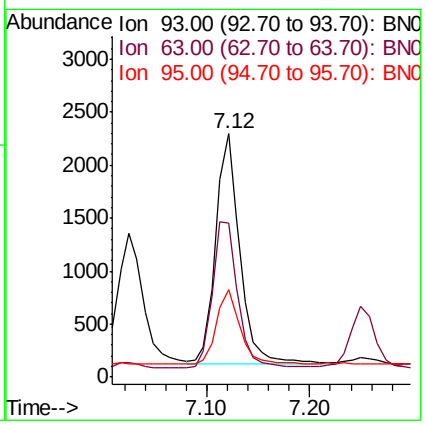


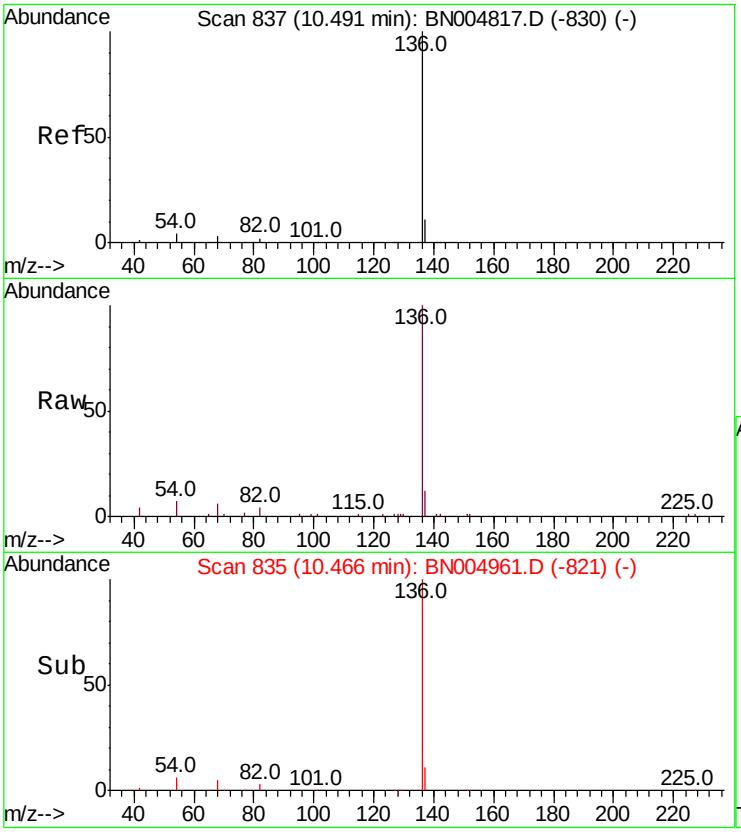


#6
bis(2-Chloroethyl)ether
Concen: 0.328 ng
RT: 7.12 min Scan# 508
Delta R.T. -0.02 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Tgt Ion: 93 Resp: 3576

Ion	Ratio	Lower	Upper
93	100		
63	66.7	52.6	78.8
95	31.5	25.9	38.9



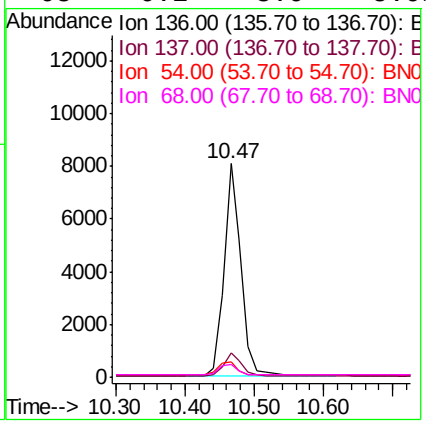


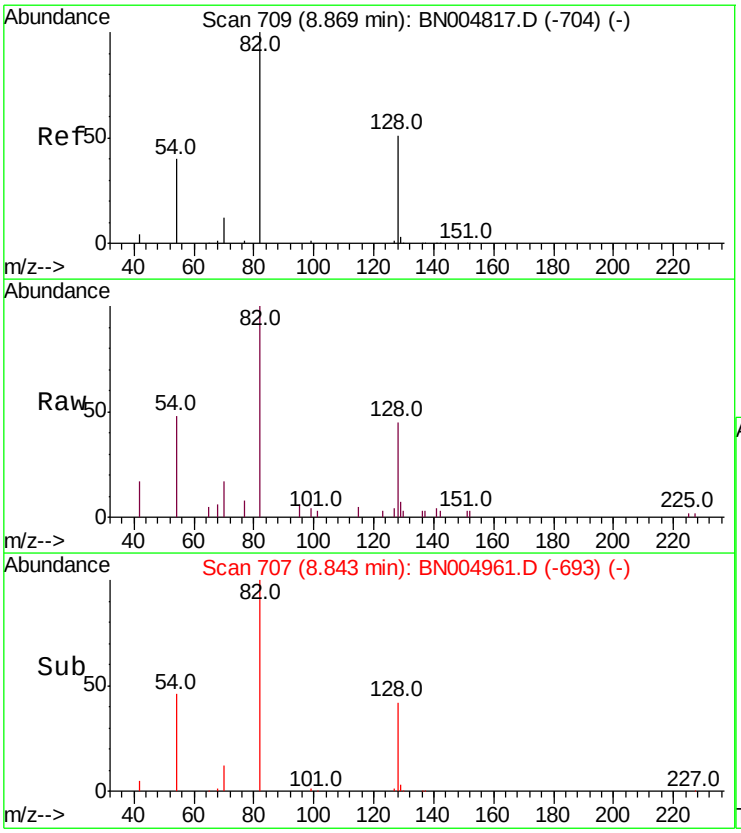
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.47 min Scan# 835
Delta R.T. -0.03 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319MS

Tgt Ion:136 Resp: 13955

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.6	14.4
54	7.0	4.2	6.2#
68	6.2	3.9	5.9#

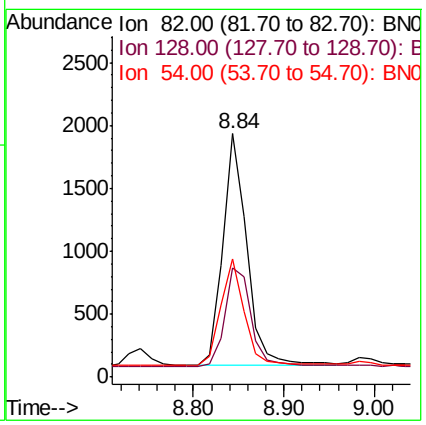


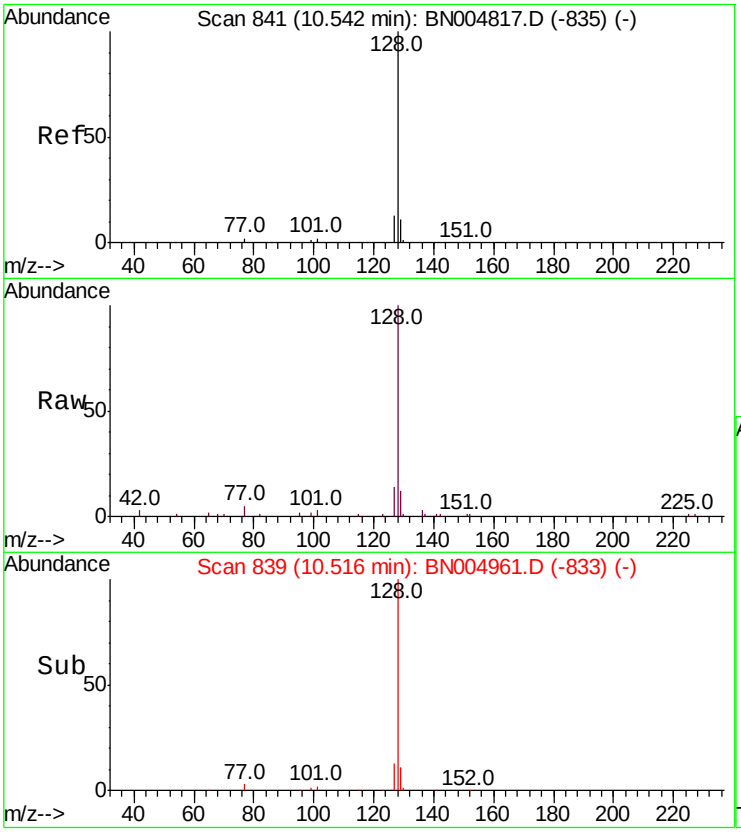


#8
Nitrobenzene-d5
Concen: 0.366 ng
RT: 8.84 min Scan# 707
Delta R.T. -0.03 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Tgt Ion: 82 Resp: 3381

Ion	Ratio	Lower	Upper
82	100		
128	44.7	43.0	64.6
54	48.4	35.3	52.9



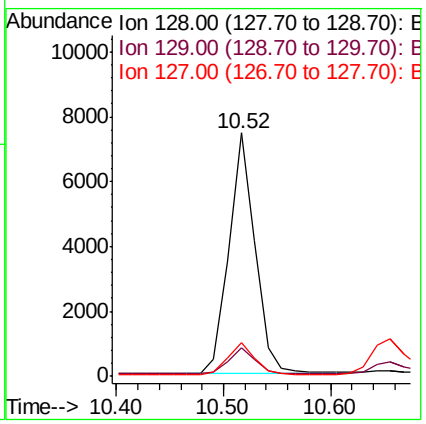


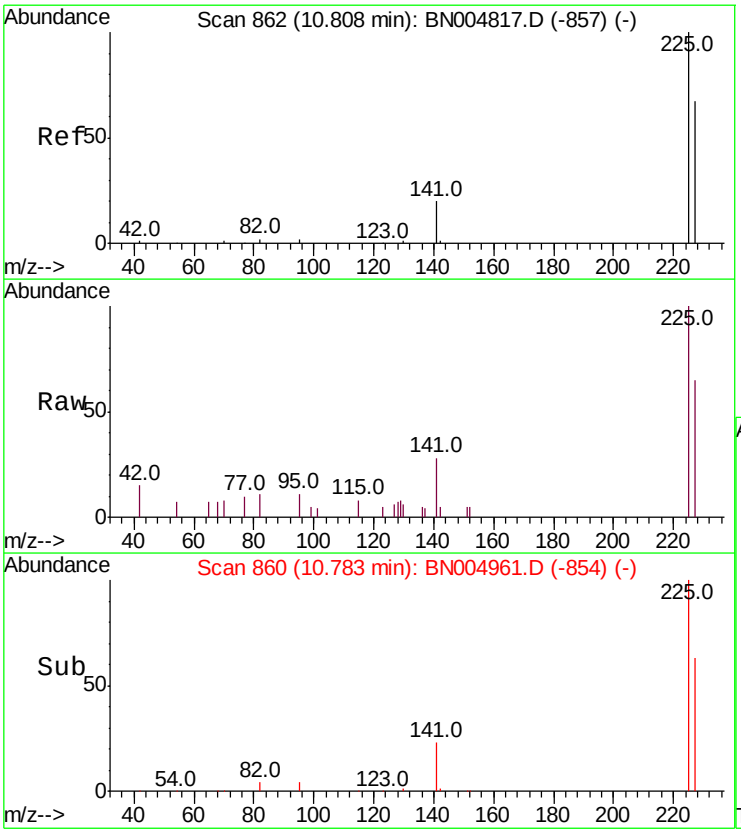
#9
Naphthalene
Concen: 0.322 ng
RT: 10.52 min Scan# 839
Delta R.T. -0.03 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319MS

Tgt Ion:128 Resp: 12588

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.9	14.9
127	13.8	11.3	16.9

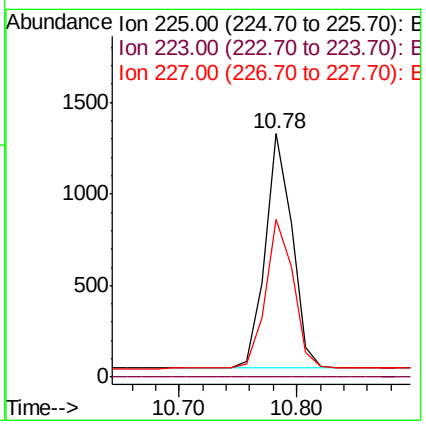


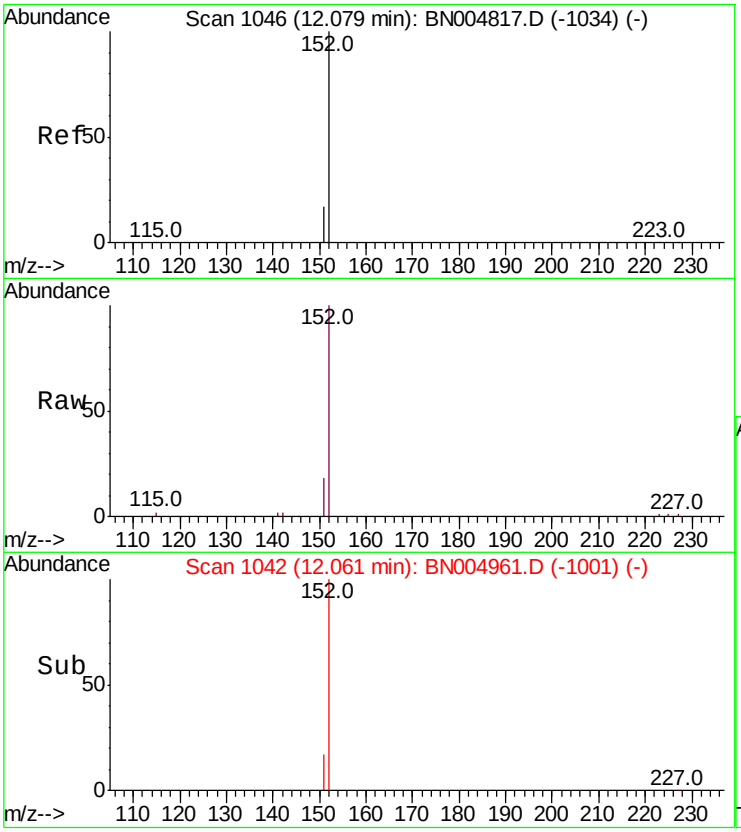


#10
Hexachlorobutadiene
Concen: 0.277 ng
RT: 10.78 min Scan# 860
Delta R.T. -0.03 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Tgt Ion:225 Resp: 2066

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.7	52.2	78.4



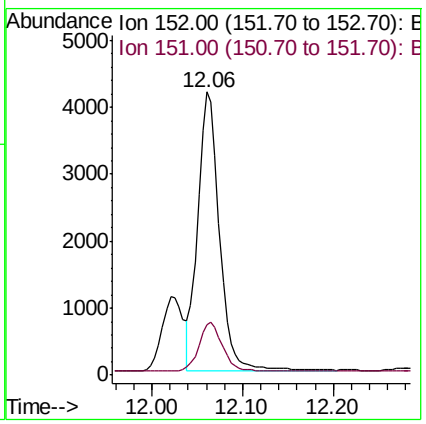


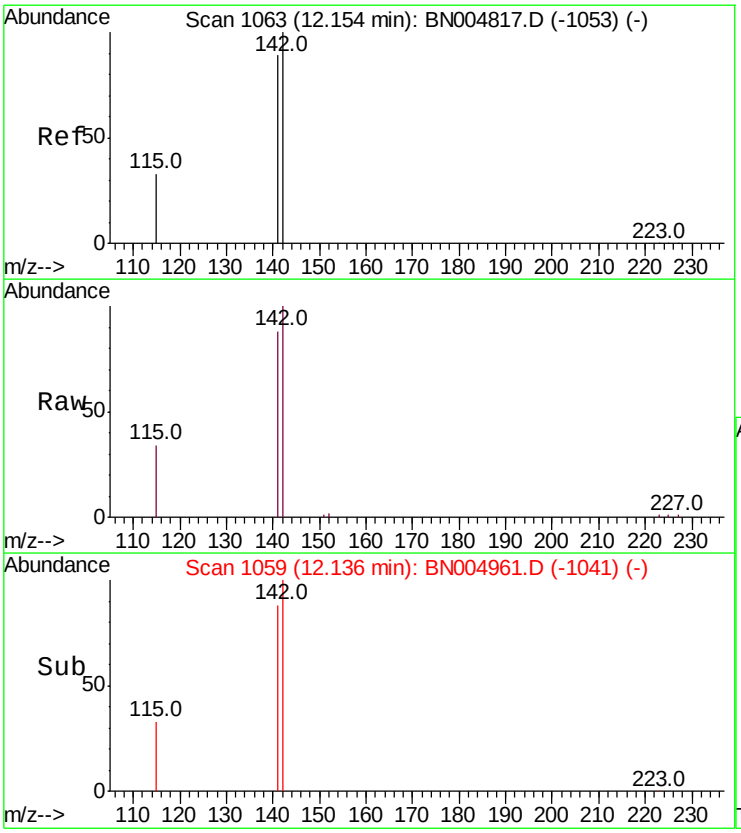
#11
2-Methylnaphthalene-d10
Concen: 0.285 ng
RT: 12.06 min Scan# 1042
Delta R.T. -0.02 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319MS

Tgt Ion:152 Resp: 6943

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3

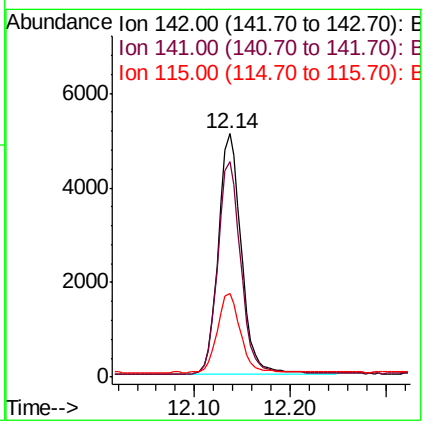


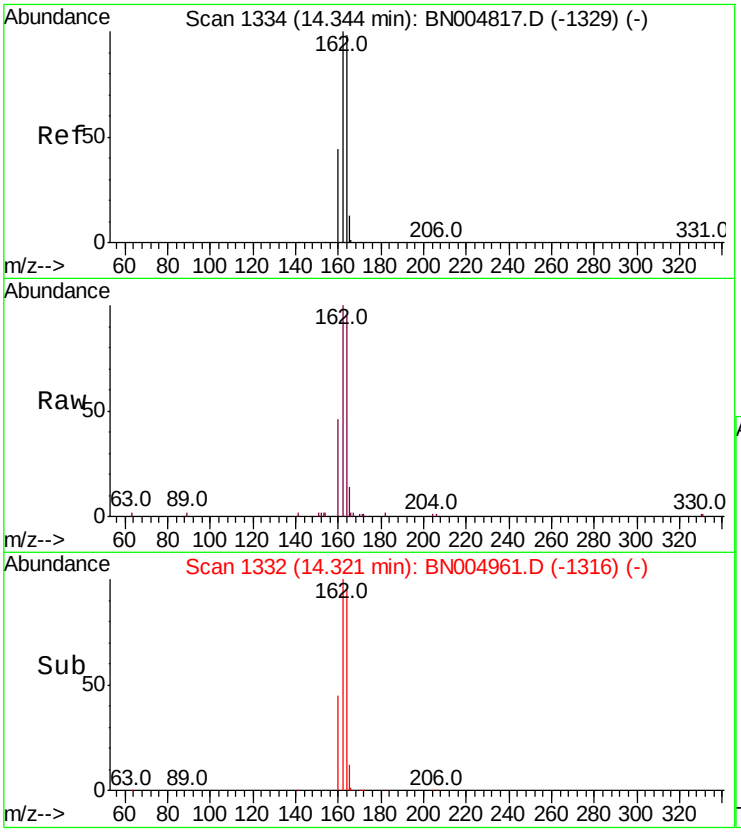


#12
2-Methylnaphthalene
Concen: 0.291 ng
RT: 12.14 min Scan# 1059
Delta R.T. -0.02 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Tgt Ion:142 Resp: 8446

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.4	107.2
115	34.4	27.5	41.3



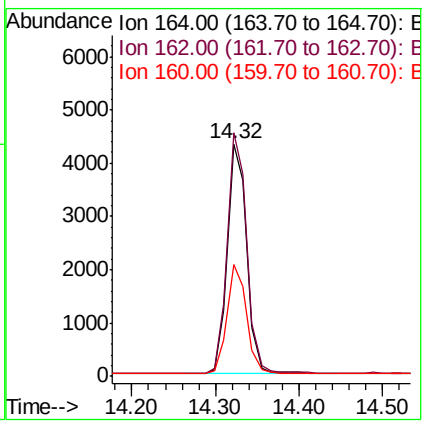


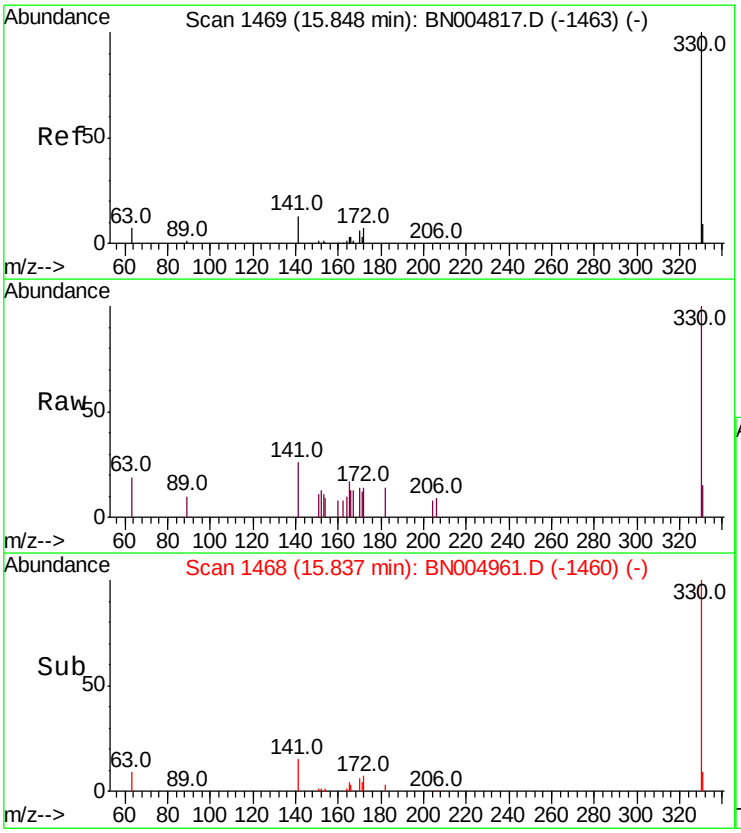
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.32 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319MS

Tgt Ion:164 Resp: 6856

Ion	Ratio	Lower	Upper
164	100		
162	104.8	81.9	122.9
160	47.9	36.6	54.8

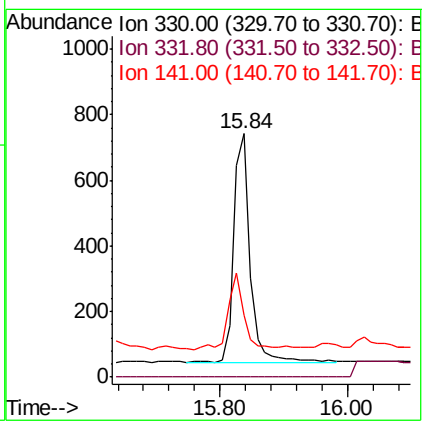


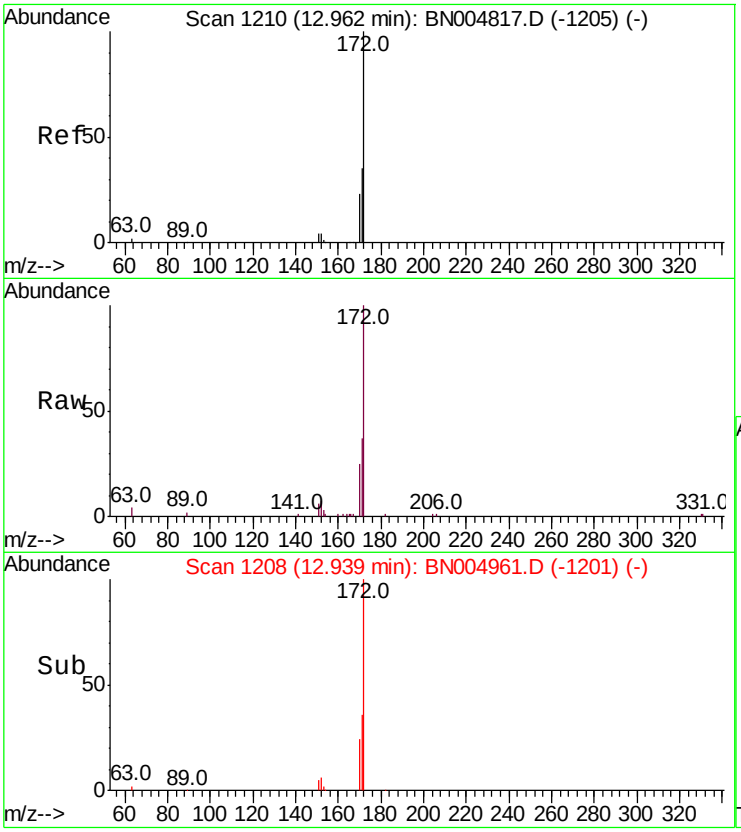


#14
2,4,6-Tribromophenol
Concen: 0.262 ng
RT: 15.84 min Scan# 1468
Delta R.T. -0.01 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Tgt Ion:330 Resp: 1242

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	32.4	20.9	31.3#



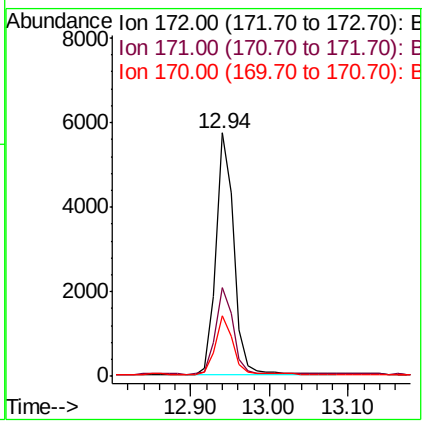


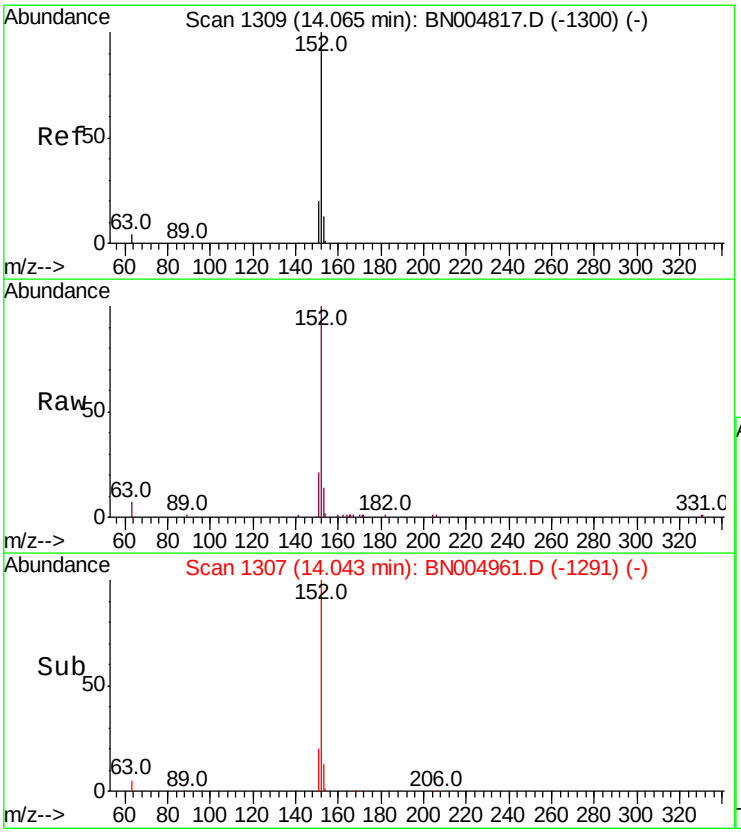
#15
2-Fluorobiphenyl
Concen: 0.320 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319MS

Tgt Ion:172 Resp: 9064

Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.7	43.1
170	24.7	18.7	28.1

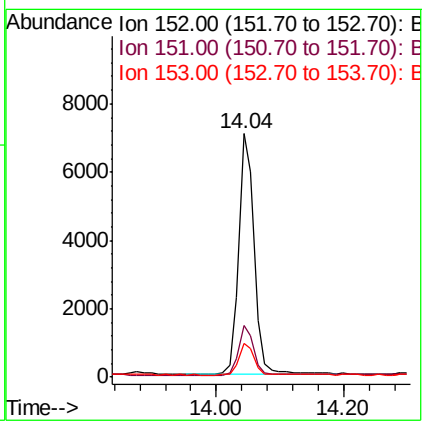


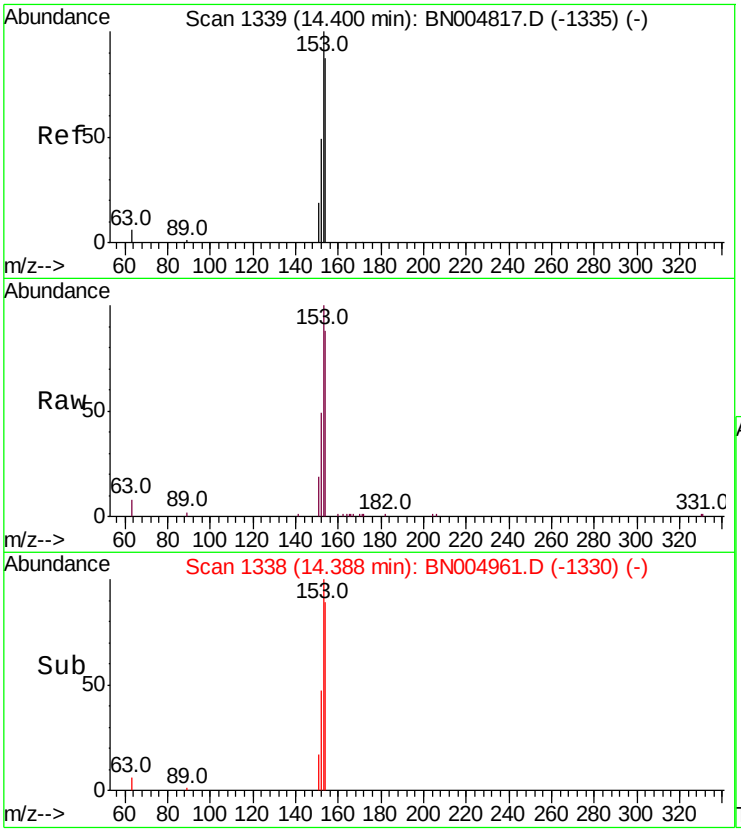


#16
Acenaphthylene
Concen: 0.337 ng
RT: 14.04 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Tgt Ion:152 Resp: 11908

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.1	24.1
153	13.0	10.5	15.7



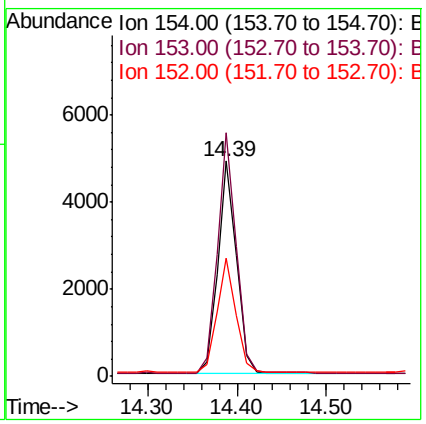


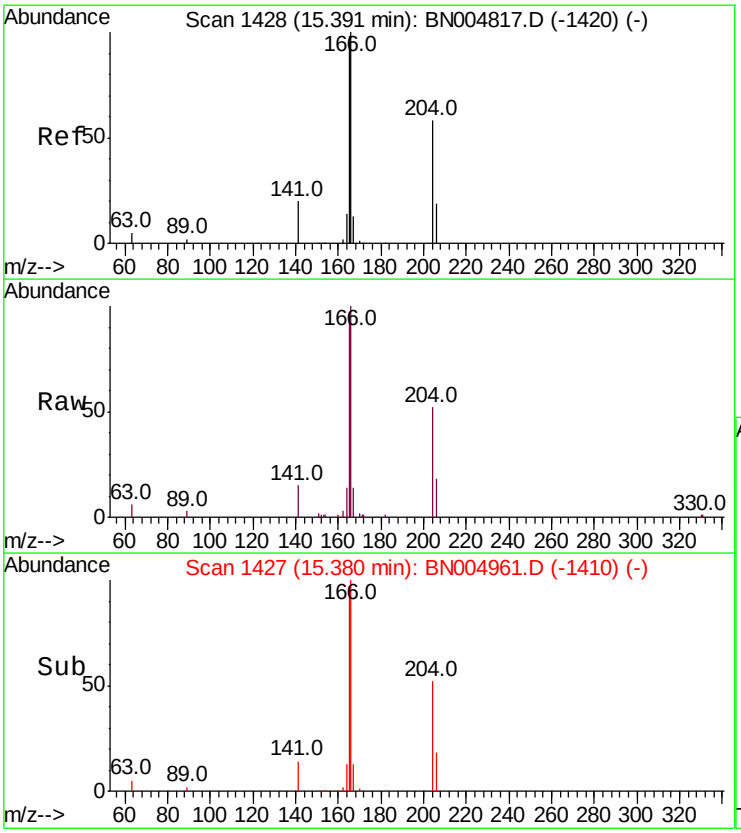
#17
Acenaphthene
Concen: 0.309 ng
RT: 14.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319MS

Tgt Ion:154 Resp: 7148

Ion	Ratio	Lower	Upper
154	100		
153	113.6	91.4	137.2
152	54.6	44.2	66.2

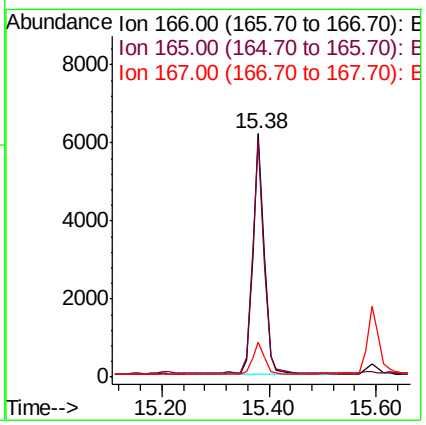


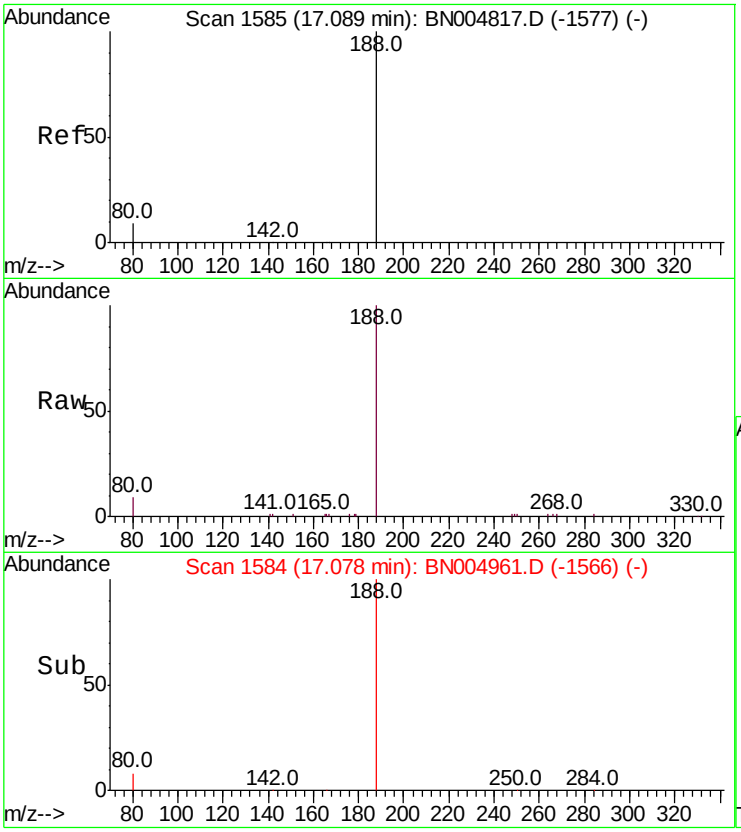


#18
Fluorene
Concen: 0.280 ng
RT: 15.38 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Tgt Ion:166 Resp: 9036

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.2	117.4
167	13.4	11.0	16.4



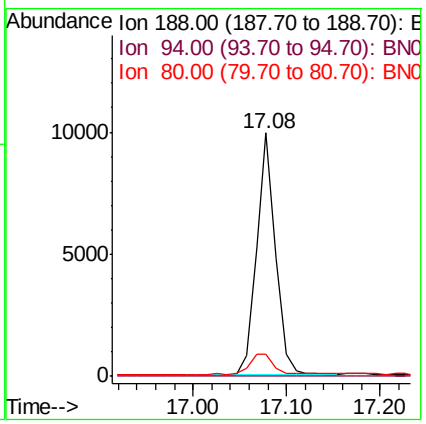


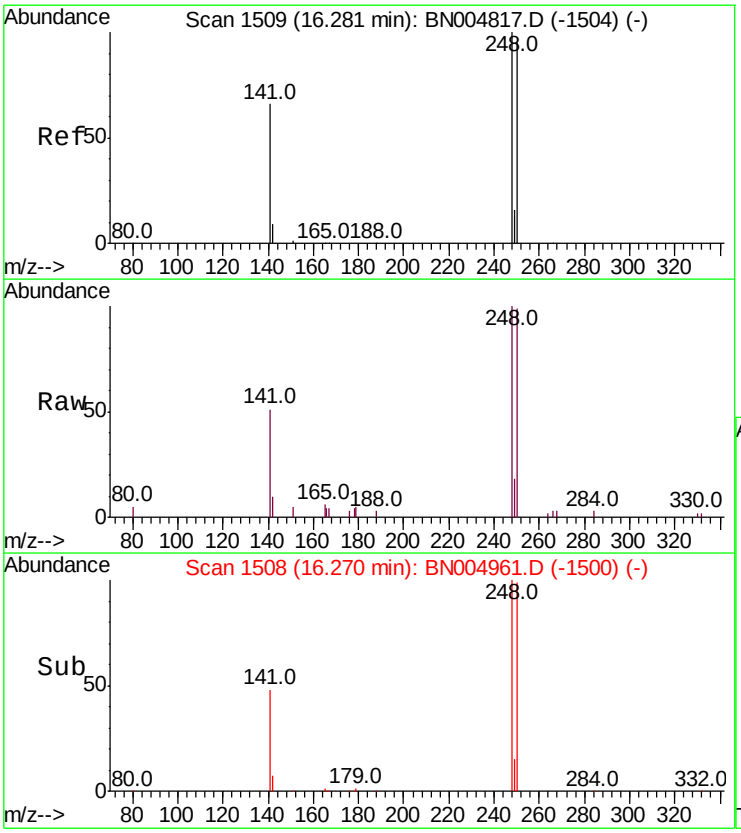
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319MS

Tgt Ion:188 Resp: 13975

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.3	7.4	11.2

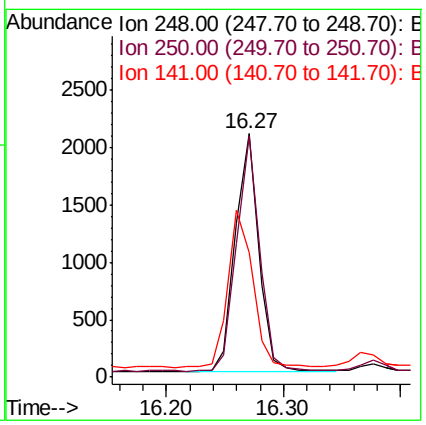


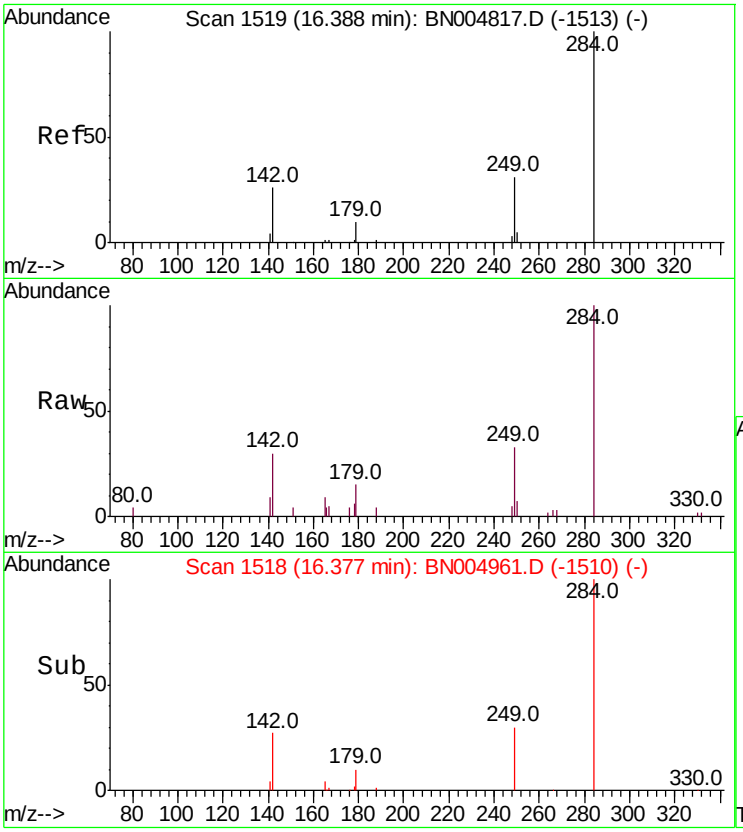


#20
4-Bromophenyl-phenylether
Concen: 0.314 ng
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Tgt Ion:248 Resp: 2868

Ion	Ratio	Lower	Upper
248	100		
250	99.2	76.2	114.4
141	51.2	53.9	80.9#



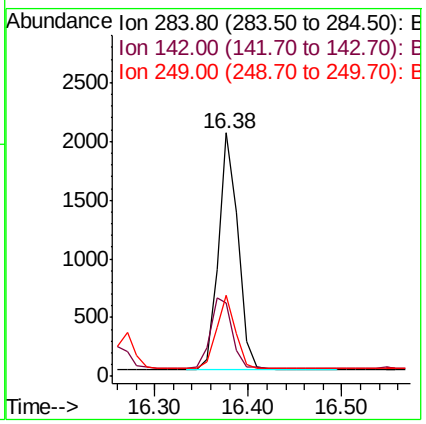


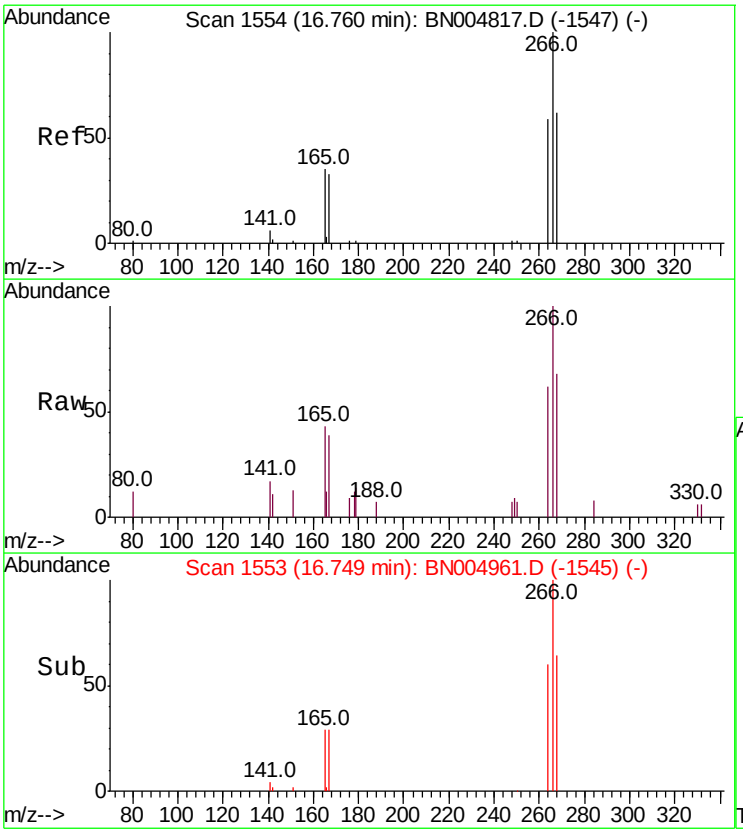
#21
Hexachlorobenzene
Concen: 0.282 ng
RT: 16.38 min Scan# 1518
Delta R.T. -0.01 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319MS

Tgt Ion:284 Resp: 2950

Ion	Ratio	Lower	Upper
284	100		
142	33.2	22.6	34.0
249	30.5	22.5	33.7

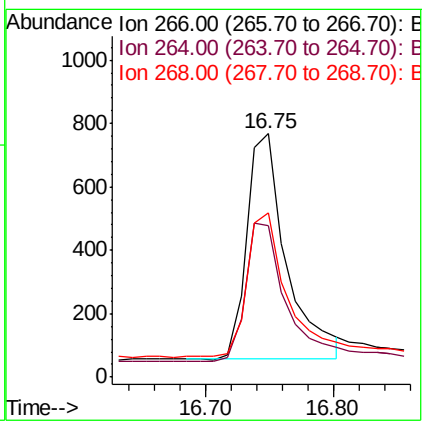


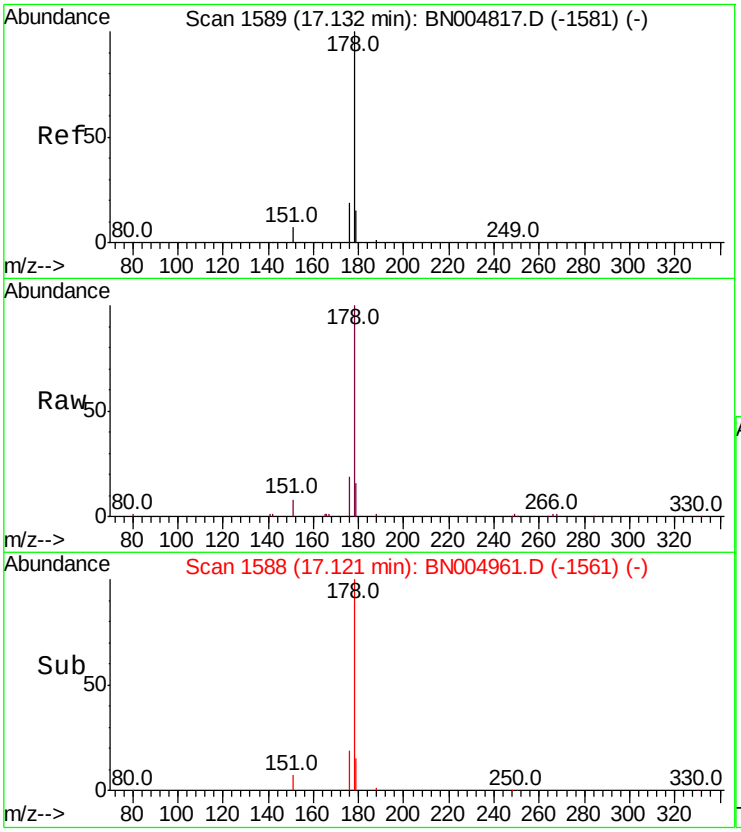


#22
Pentachlorophenol
Concen: 0.756 ng
RT: 16.75 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Tgt Ion:266 Resp: 1545

Ion	Ratio	Lower	Upper
266	100		
264	62.0	53.1	79.7
268	67.6	57.7	86.5



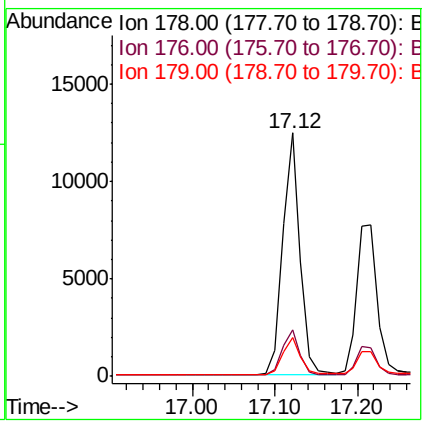


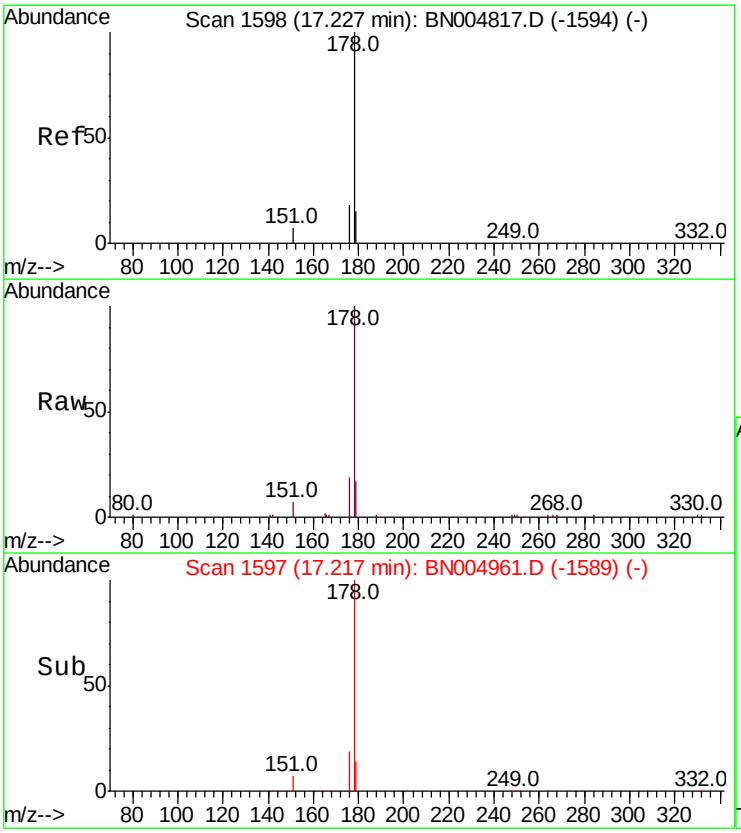
#23
Phenanthrene
Concen: 0.405 ng
RT: 17.12 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319MS

Tgt Ion:178 Resp: 18268

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.5	12.1	18.1

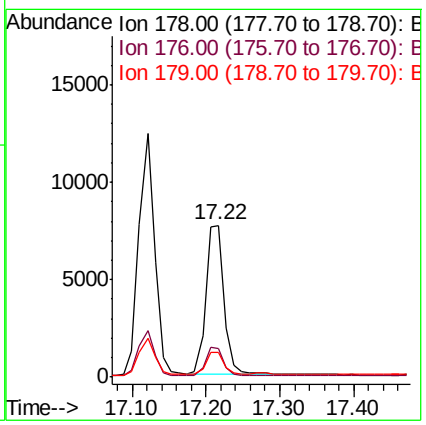


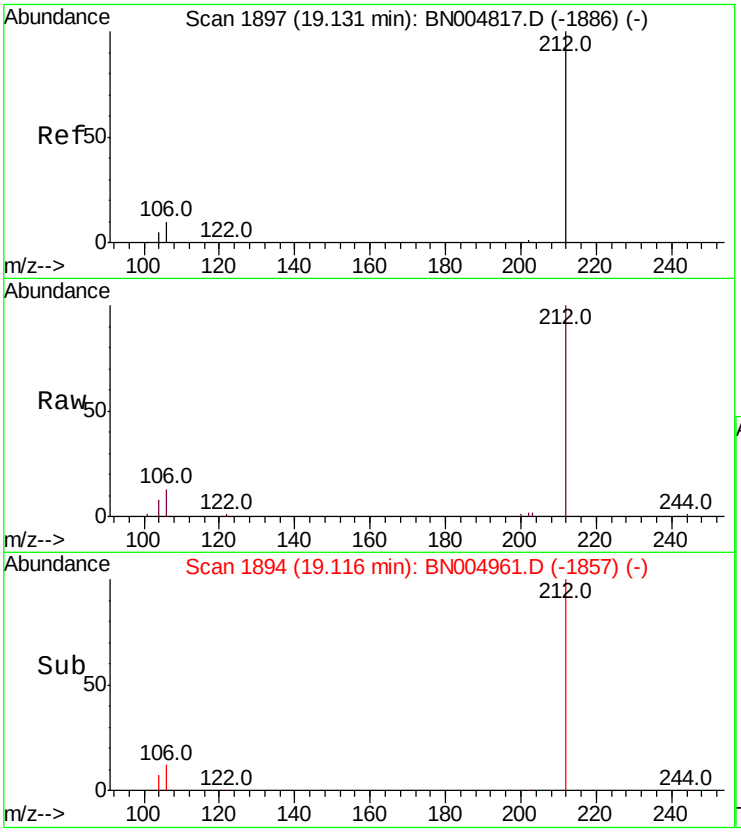


#24
Anthracene
Concen: 0.332 ng
RT: 17.22 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Tgt Ion:178 Resp: 13397

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.5	21.7
179	14.7	12.2	18.4



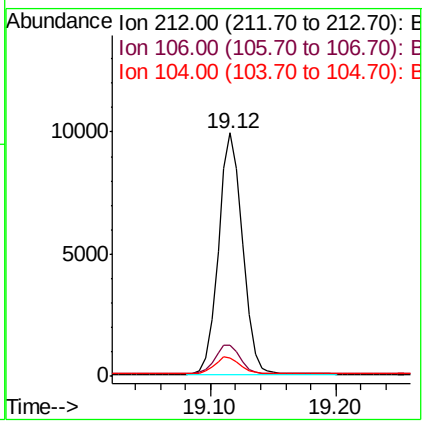


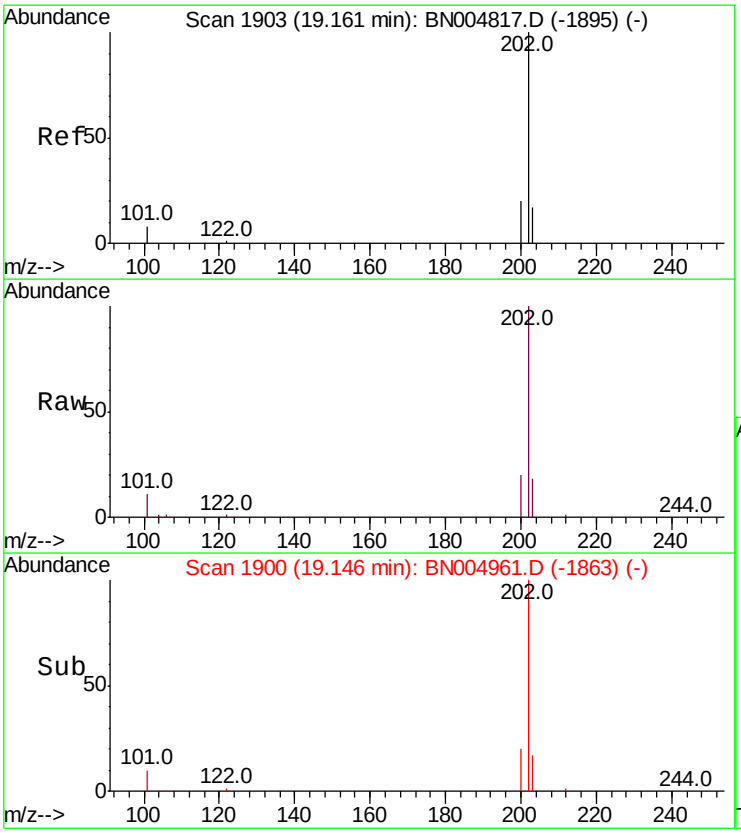
#25
Fluoranthene-d10
Concen: 0.281 ng
RT: 19.12 min Scan# 1894
Delta R.T. -0.02 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319MS

Tgt Ion:212 Resp: 13144

Ion	Ratio	Lower	Upper
212	100		
106	12.5	8.6	13.0
104	7.2	4.7	7.1#

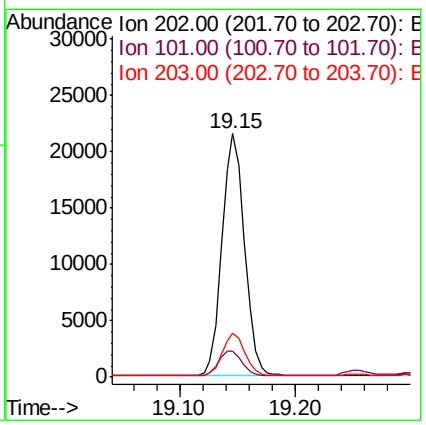


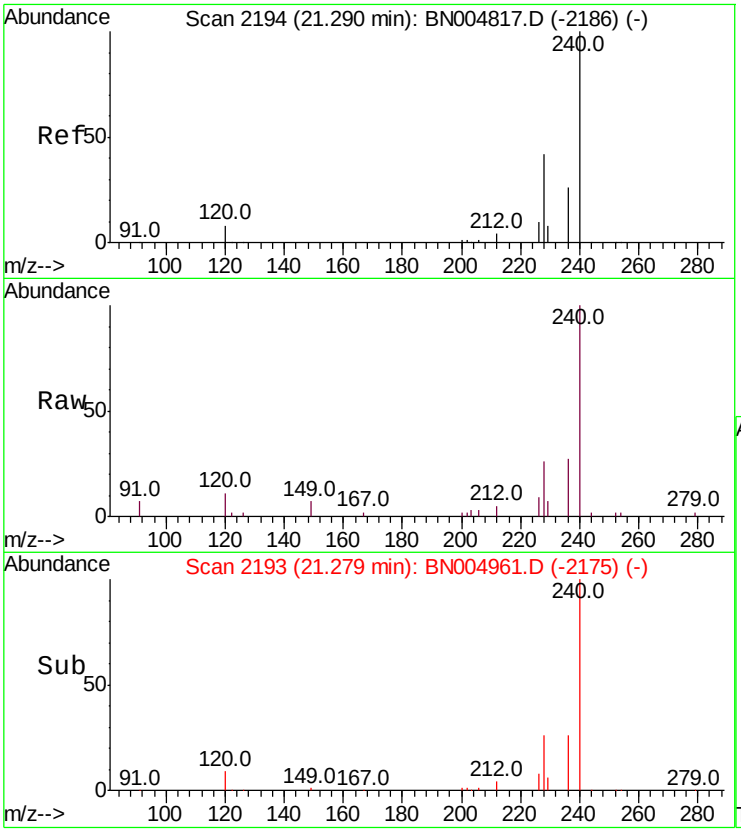


#26
Fluoranthene
Concen: 0.502 ng
RT: 19.15 min Scan# 1900
Delta R.T. -0.02 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Tgt Ion:202 Resp: 29126

Ion	Ratio	Lower	Upper
202	100		
101	10.7	7.5	11.3
203	17.3	13.8	20.6



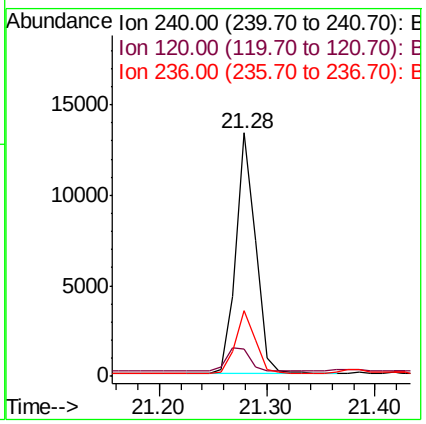


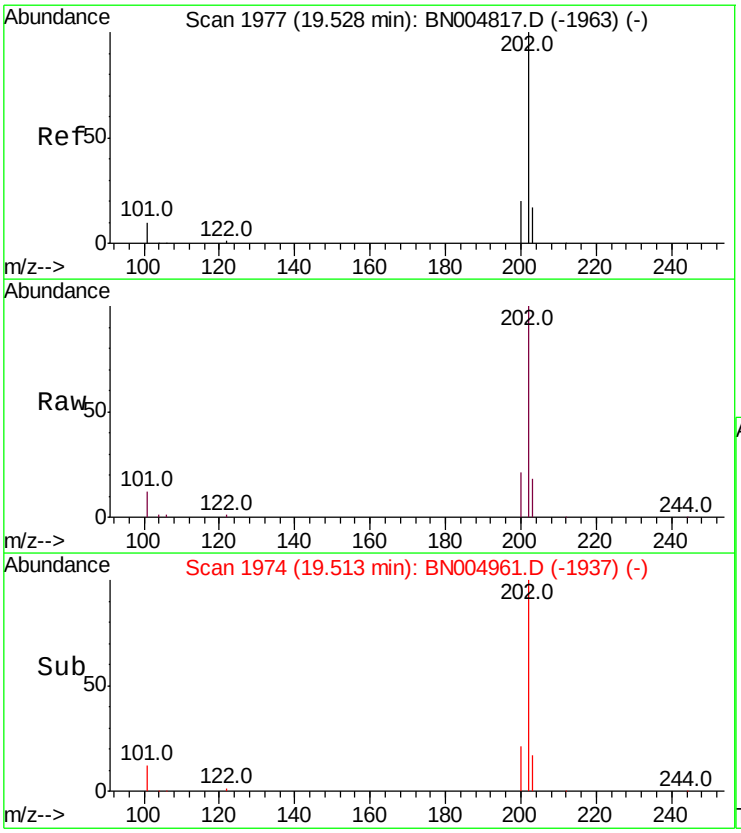
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319MS

Tgt Ion:240 Resp: 16869

Ion	Ratio	Lower	Upper
240	100		
120	11.4	7.2	10.8#
236	27.1	20.9	31.3

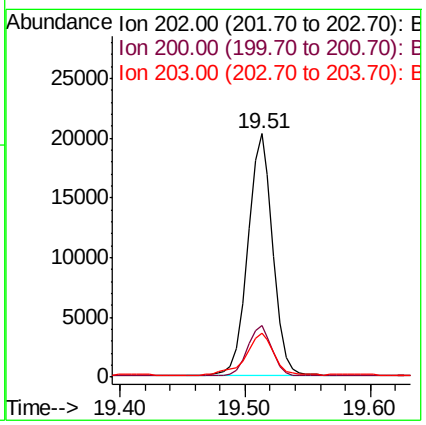


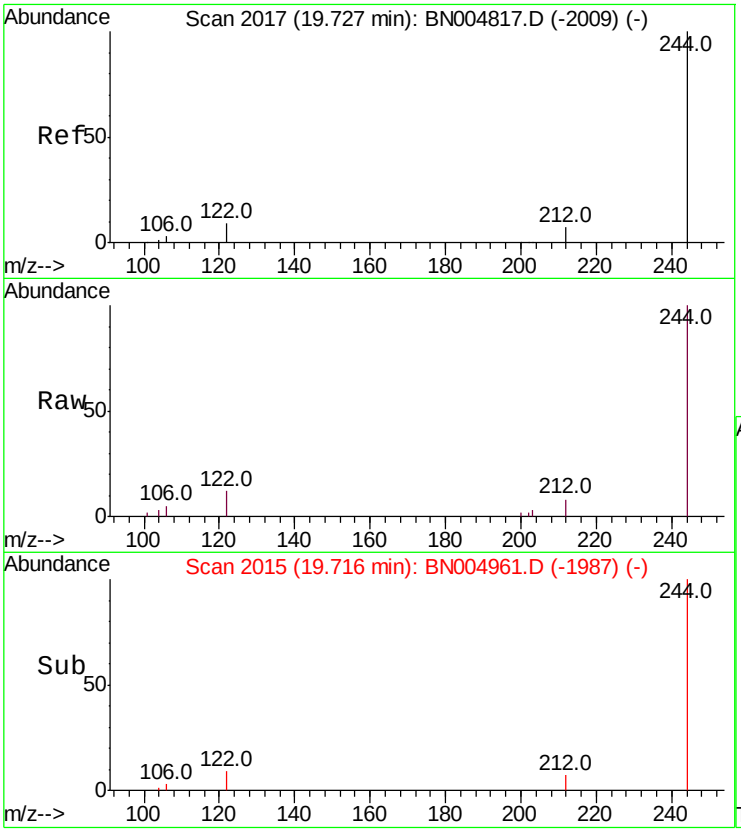


#28
Pyrene
Concen: 0.547 ng
RT: 19.51 min Scan# 1974
Delta R.T. -0.02 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Tgt Ion:202 Resp: 28130

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.3	24.5
203	19.4	14.0	21.0



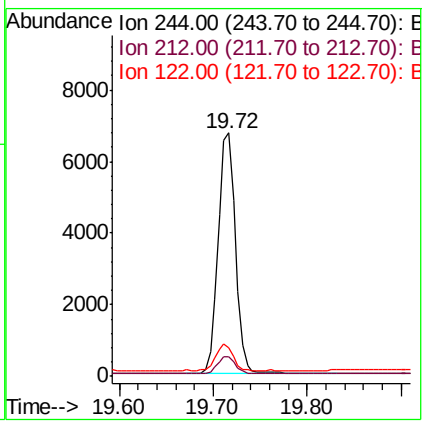


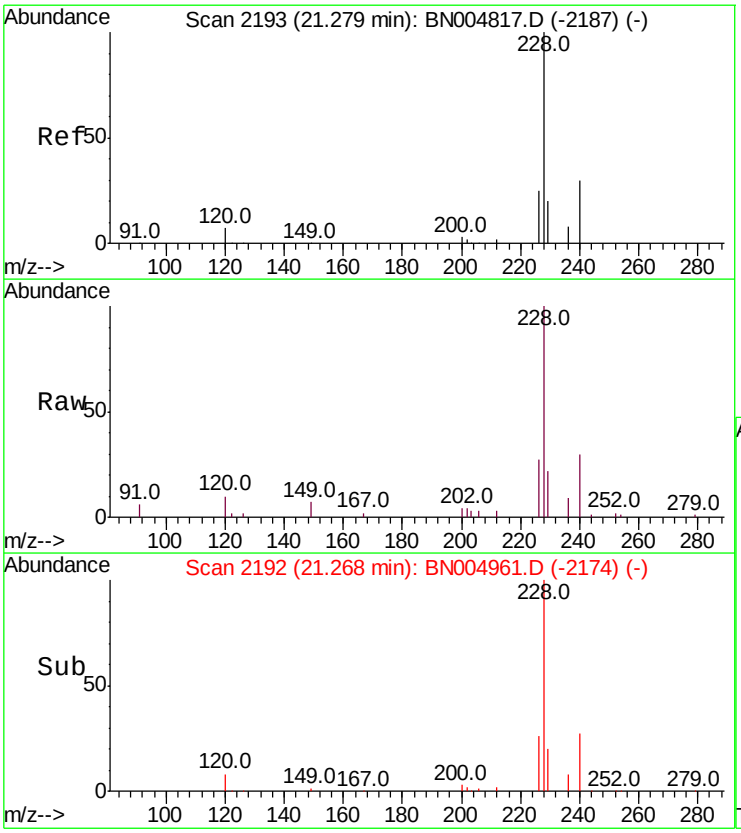
#29
Terphenyl-d14
Concen: 0.251 ng
RT: 19.72 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319MS

Tgt Ion:244 Resp: 8673

Ion	Ratio	Lower	Upper
244	100		
212	8.1	5.8	8.6
122	11.9	7.9	11.9#

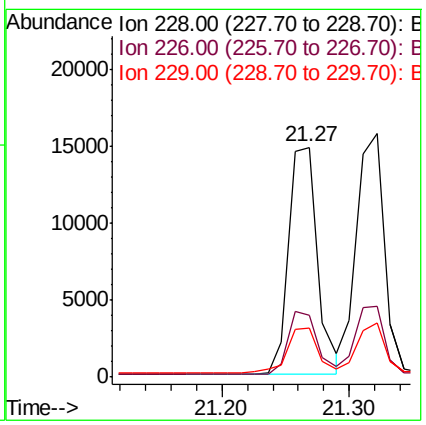


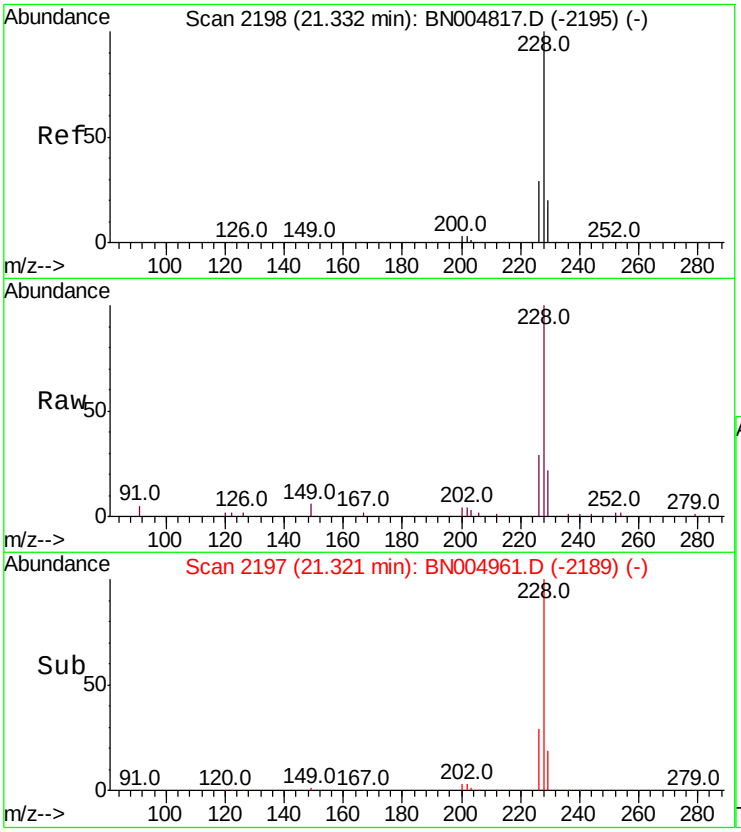


#30
Benzo(a)anthracene
Concen: 0.418 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Tgt Ion:228 Resp: 23137

Ion	Ratio	Lower	Upper
228	100		
226	27.1	20.6	31.0
229	21.6	16.2	24.4



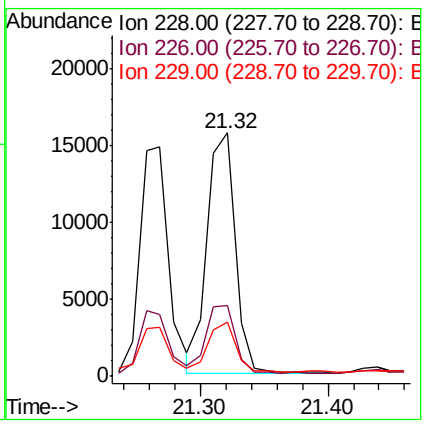


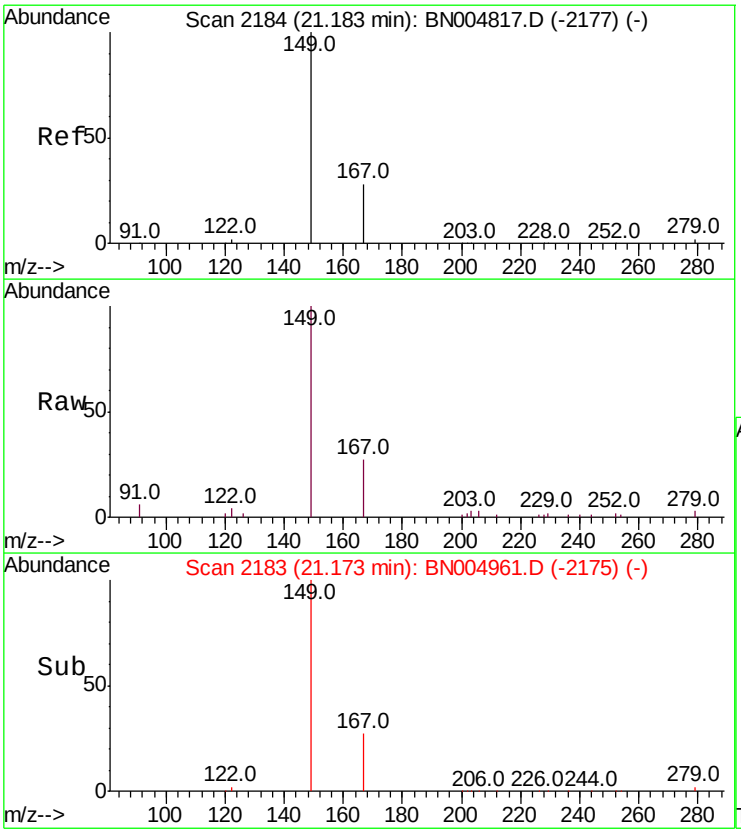
#31
Chrysene
Concen: 0.407 ng
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319MS

Tgt Ion:228 Resp: 23693

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.0	34.6
229	22.0	16.2	24.2

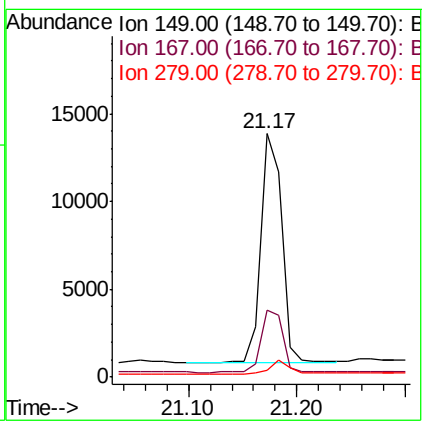


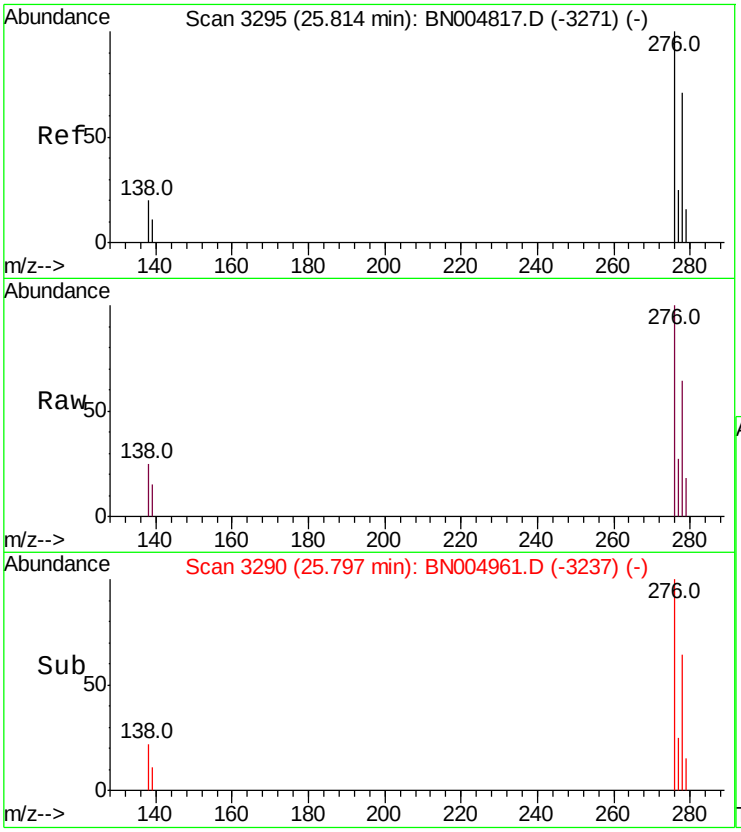


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.788 ng
RT: 21.17 min Scan# 2183
Delta R.T. -0.01 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Tgt Ion:149 Resp: 17409

Ion	Ratio	Lower	Upper
149	100		
167	27.8	23.0	34.4
279	5.3	4.6	6.8



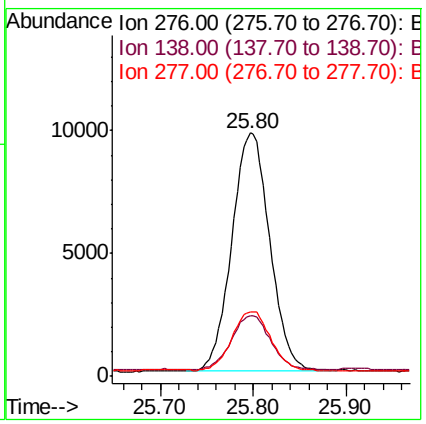


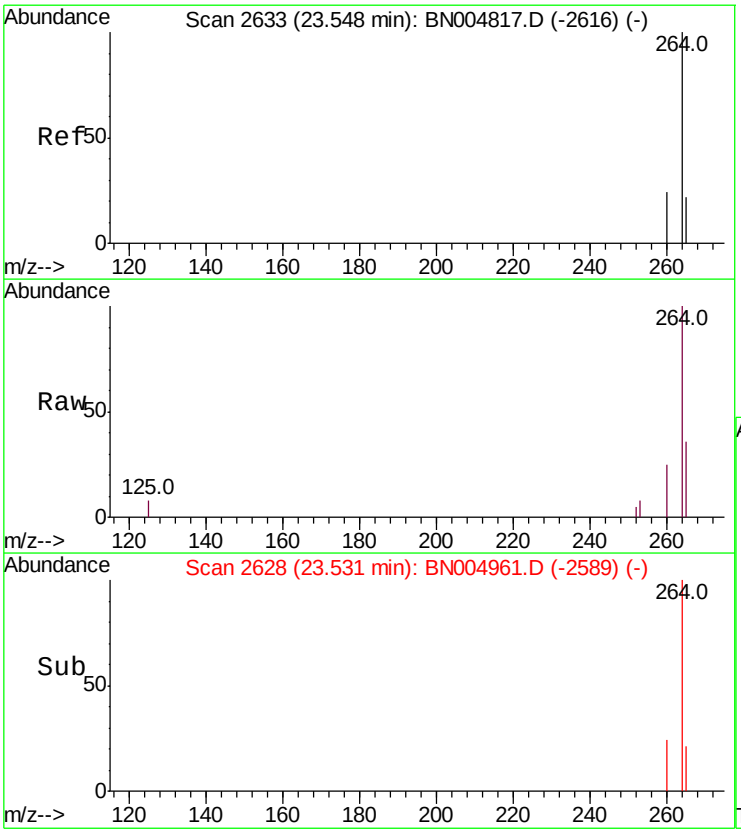
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.328 ng
RT: 25.80 min Scan# 3290
Delta R.T. -0.02 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319MS

Tgt Ion:276 Resp: 27656

Ion	Ratio	Lower	Upper
276	100		
138	23.0	16.6	24.8
277	25.0	20.3	30.5

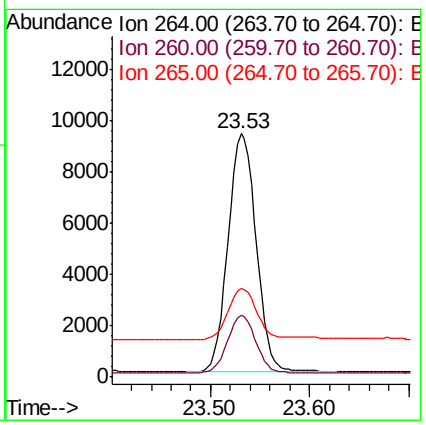


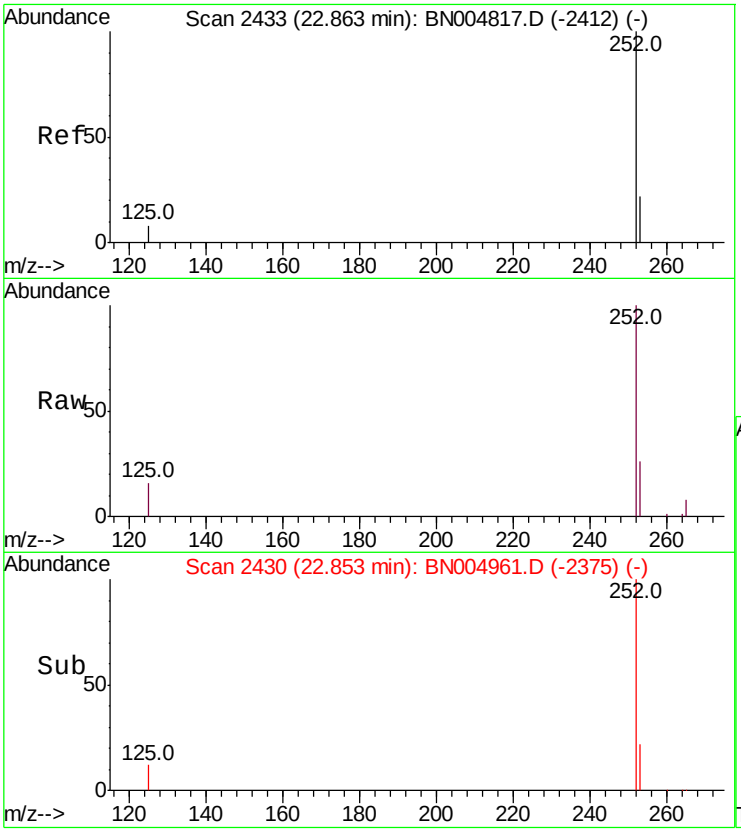


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.53 min Scan# 2628
Delta R.T. -0.02 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Tgt Ion:264 Resp: 18294

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.5	29.3
265	36.2	23.1	34.7#



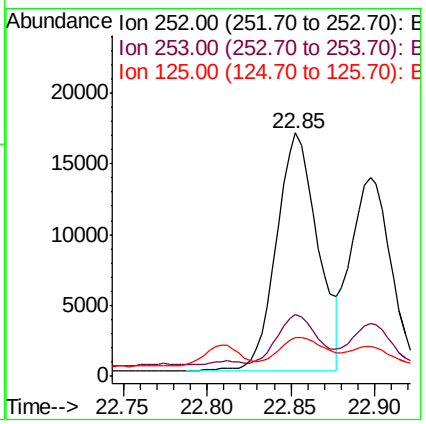


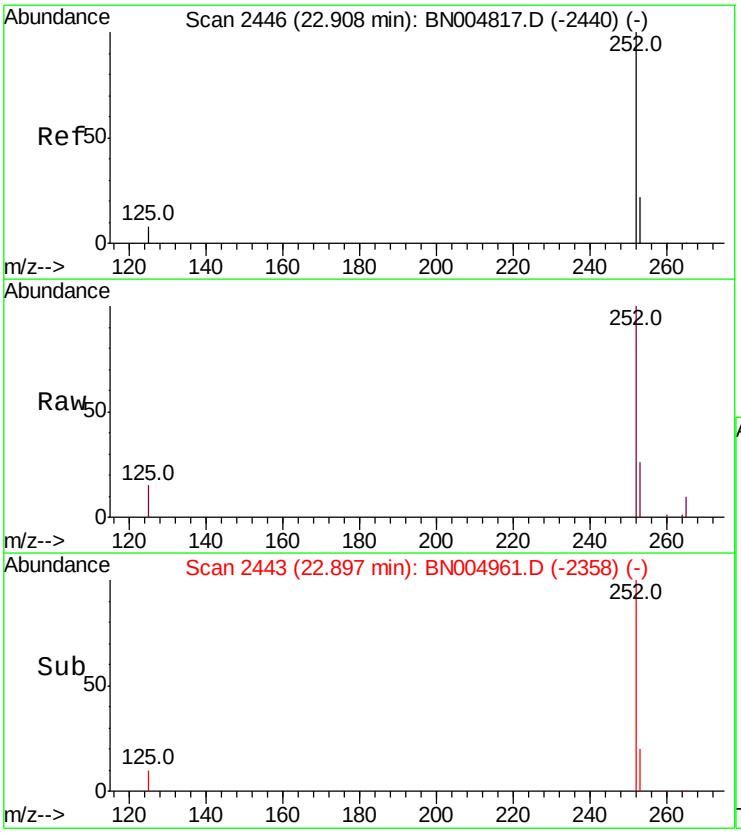
#35
Benzo(b)fluoranthene
Concen: 0.435 ng
RT: 22.85 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319MS

Tgt Ion:252 Resp: 28792

Ion	Ratio	Lower	Upper
252	100		
253	25.6	19.0	28.4
125	15.7	7.4	11.2#

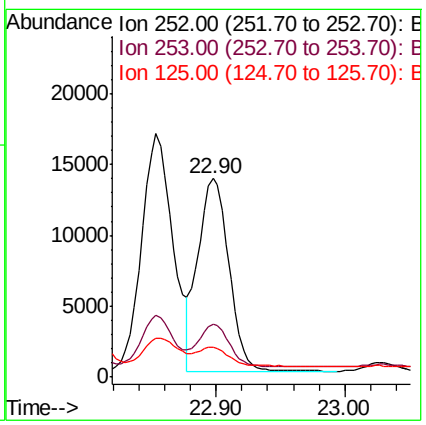


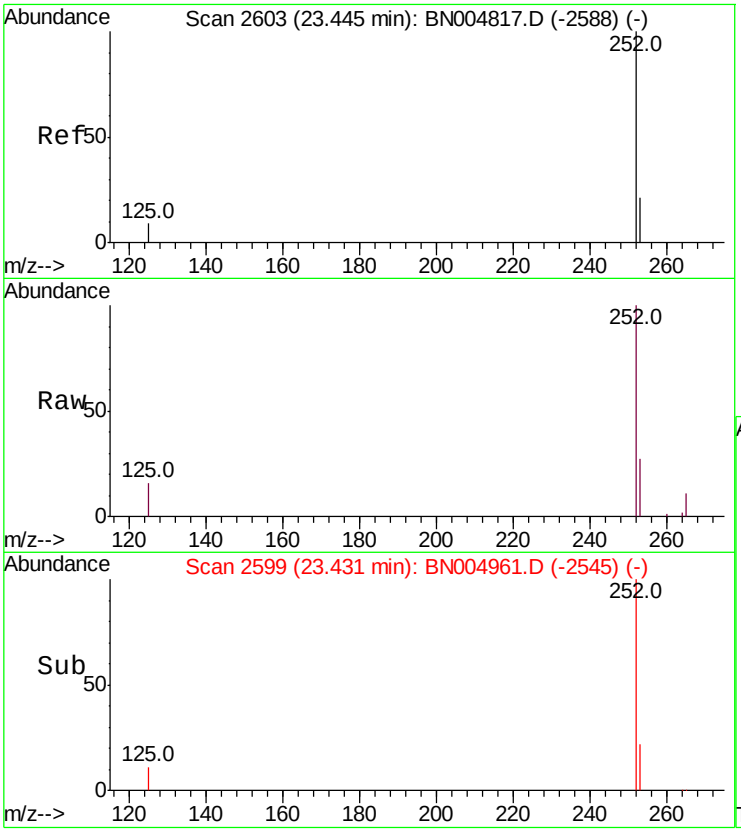


#36
Benzo(k)fluoranthene
Concen: 0.350 ng
RT: 22.90 min Scan# 2443
Delta R.T. -0.01 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Tgt Ion:252 Resp: 22807

Ion	Ratio	Lower	Upper
252	100		
253	26.3	19.3	28.9
125	15.3	7.4	11.0#



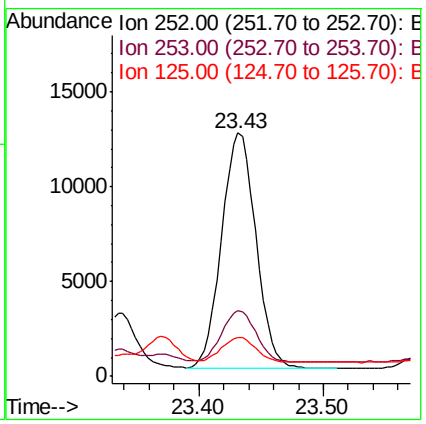


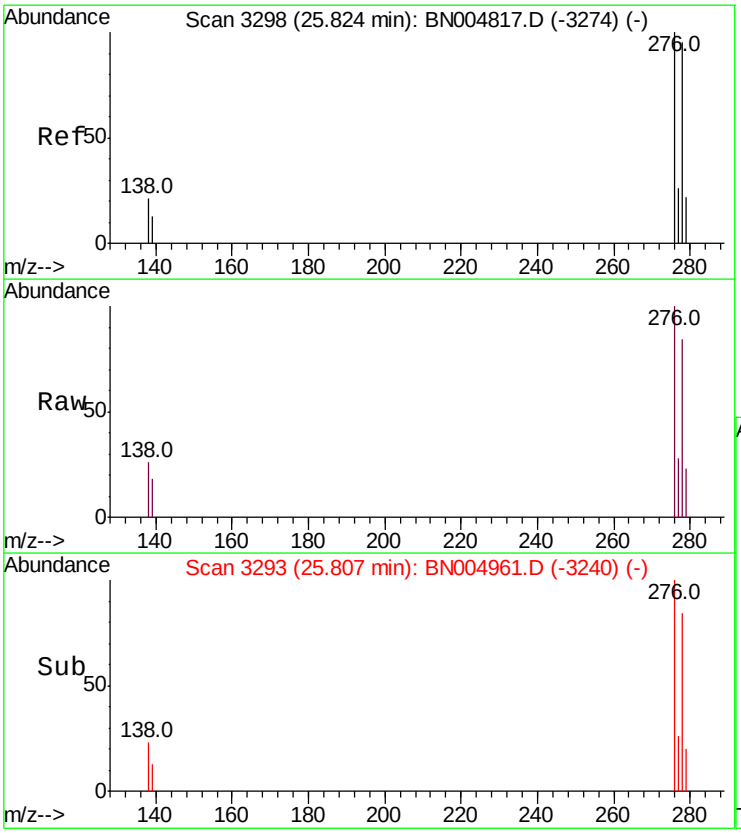
#37
Benzo(a)pyrene
Concen: 0.392 ng
RT: 23.43 min Scan# 2599
Delta R.T. -0.01 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319MS

Tgt Ion:252 Resp: 23827

Ion	Ratio	Lower	Upper
252	100		
253	27.0	19.7	29.5
125	15.8	8.3	12.5#

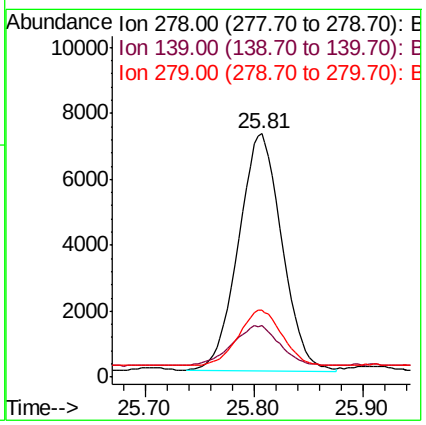


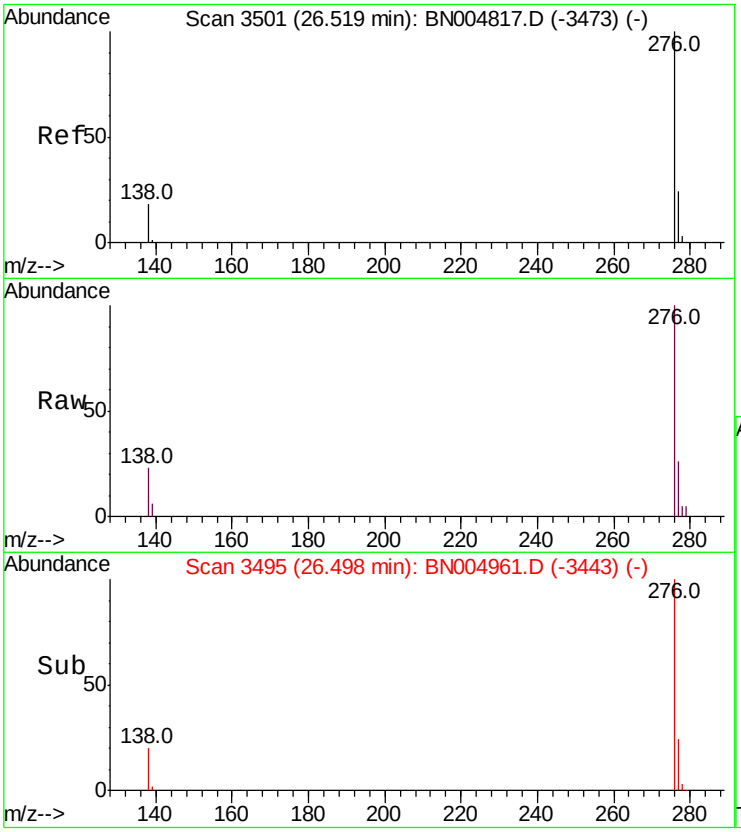


#38
Dibenzo(a,h)anthracene
Concen: 0.284 ng
RT: 25.81 min Scan# 3293
Delta R.T. -0.02 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Tgt Ion:278 Resp: 19945

Ion	Ratio	Lower	Upper
278	100		
139	21.0	11.7	17.5#
279	27.4	19.9	29.9





#39
Benzo(g,h,i)perylene
Concen: 0.342 ng
RT: 26.50 min Scan# 3495
Delta R.T. -0.02 min
Lab File: BN004961.D
Acq: 25 Mar 2019 15:21

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319MS

Tgt Ion:276 Resp: 24483

Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.7	29.5
138	22.7	14.6	22.0#