Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032019\
Data File : BN004833.D
Acq On : 20 Mar 2019 23:29
Operator : JU/SJ
Sample : PB118052BSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB118052BSD

Quant Time: Mar 21 08:49:07 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	7.71	152	1538	0.40	ng		0.00
7) Naphthalene-d8	10.49	136	6817	0.40	ng		0.00
13) Acenaphthene-d10	14.34	164	4306	0.40	ng		0.00
19) Phenanthrene-d10	17.09	188	11149	0.40	ng		0.00
27) Chrysene-d12	21.29	240	15272	0.40	ng		0.00
34) Perylene-d12	23.55	264	16679	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.29	112	1570	0.38	ng		0.00
5) Phenol-d6	6.88	99	1923	0.37	ng		0.00
8) Nitrobenzene-d5	8.87	82	1566	0.35	ng		0.00
11) 2-Methylnaphthalene-d10	12.08	152	4695	0.39	ng		0.00
14) 2,4,6-Tribromophenol	15.85	330	938	0.32	ng		0.00
15) 2-Fluorobiphenyl	12.96	172	7286	0.41	ng		0.00
25) Fluoranthene-d10	19.13	212	14363	0.38	ng		0.00
29) Terphenyl-d14	19.73	244	12473	0.40	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.24	88	718	0.411	ng		93
3) n-Nitrosodimethylamine	3.58	42	332	0.321	ng		98
6) bis(2-Chloroethyl)ether	7.14	93	1849	0.394	ng		95
9) Naphthalene	10.54	128	7580	0.396	ng		99
10) Hexachlorobutadiene	10.81	225	1495	0.410	ng	#	99
12) 2-Methylnaphthalene	12.16	142	5620	0.396	ng		99
16) Acenaphthylene	14.07	152	8144	0.367	ng		100
17) Acenaphthene	14.40	154	5788	0.398	ng		99
18) Fluorene	15.39	166	8076	0.398	ng		100
20) 4-Bromophenyl-phenylether	16.28	248	2825	0.388	ng		99
21) Hexachlorobenzene	16.39	284	3377	0.405	ng		99
22) Pentachlorophenol	16.76	266	527	0.323	ng		98
23) Phenanthrene	17.13	178	14323	0.398	ng		99
24) Anthracene	17.23	178	11932	0.371	ng		100
26) Fluoranthene	19.16	202	17930	0.388	ng		100
28) Pyrene	19.53	202	18368	0.394	ng		100
30) Benzo(a)anthracene	21.28	228	18465	0.369	ng		99
31) Chrysene	21.33	228	21644	0.410	ng		100
32) Bis(2-ethylhexyl)phthalate	21.18	149	7382	0.369	ng		100
33) Indeno(1,2,3-cd)pyrene	25.81	276	31013	0.406	ng		100
35) Benzo(b)fluoranthene	22.86	252	25051	0.415	ng		100
36) Benzo(k)fluoranthene	22.91	252	23296	0.392	ng		99
37) Benzo(a)pyrene	23.45	252	21926	0.396	ng		99
38) Dibenzo(a,h)anthracene	25.83	278	25525	0.398	ng		100
39) Benzo(g,h,i)perylene	26.52	276	25969	0.398	ng		100

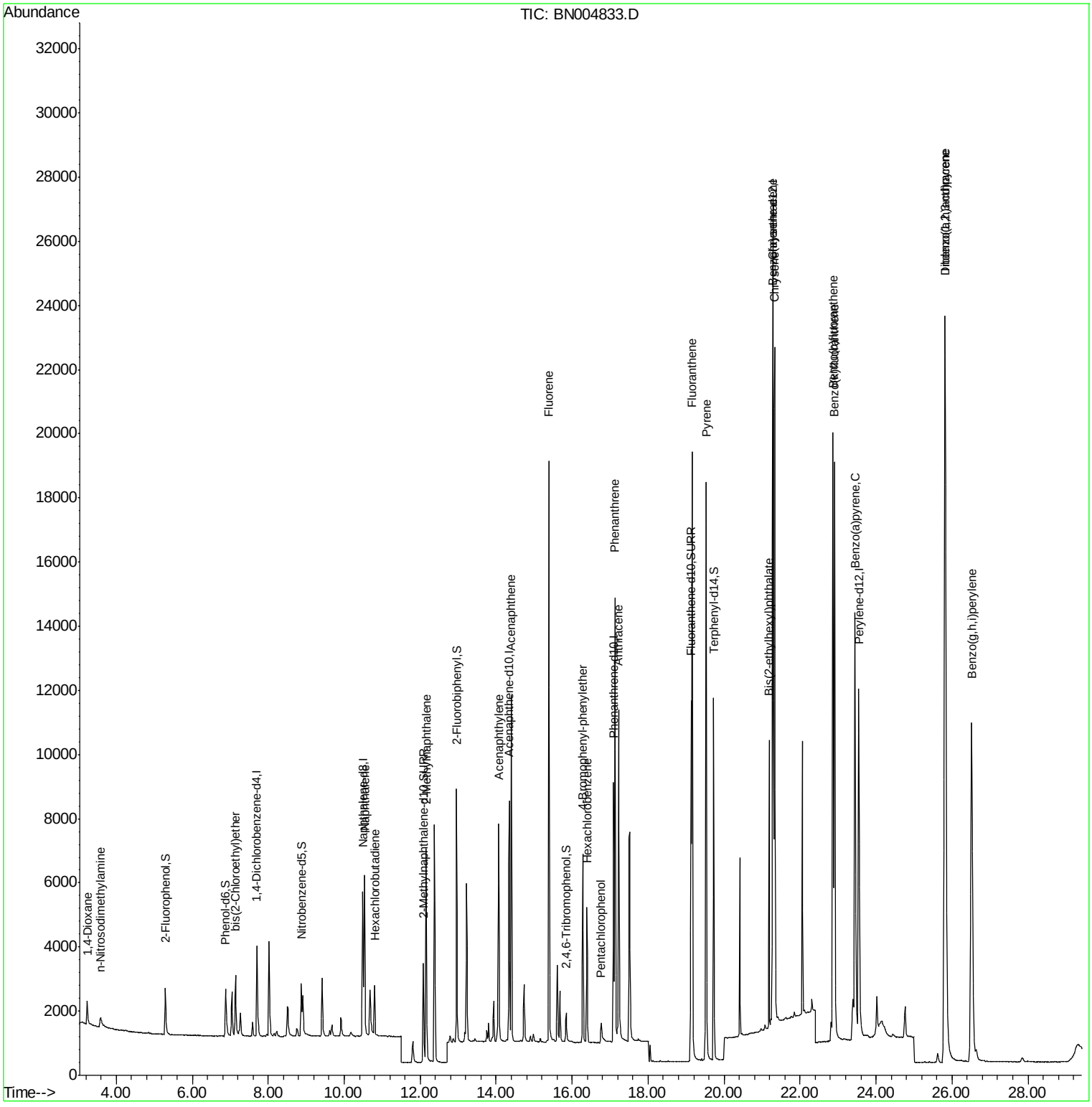
(#) = qualifier out of range (m) = manual integration (+) = signals summed

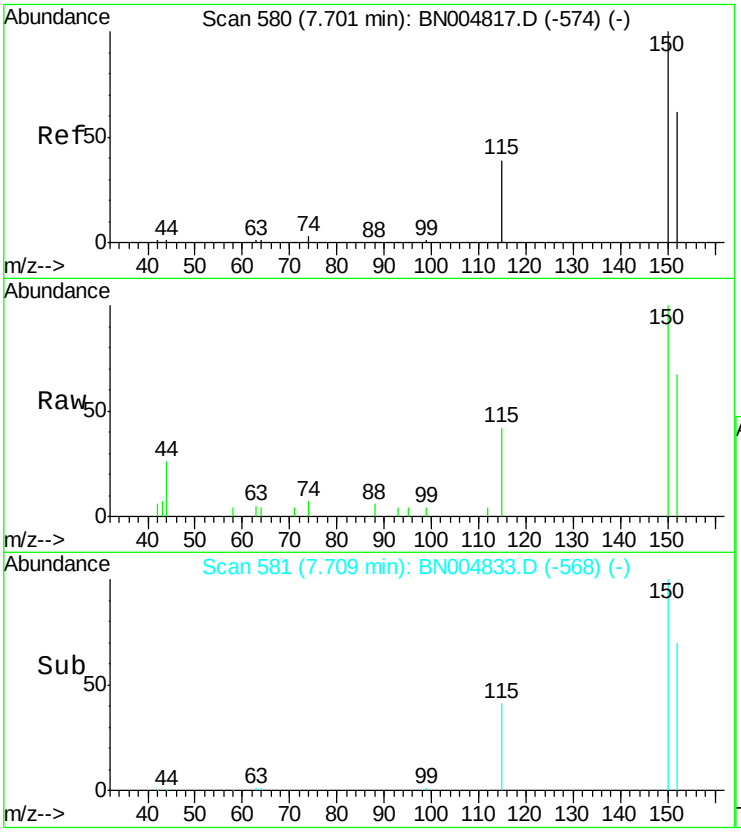
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032019\
Data File : BN004833.D
Acq On : 20 Mar 2019 23:29
Operator : JU/SJ
Sample : PB118052BSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB118052BSD

Quant Time: Mar 21 08:49:07 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



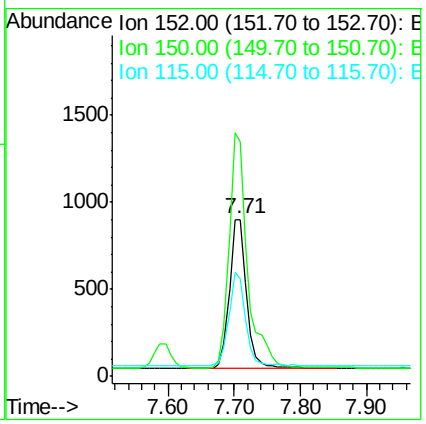


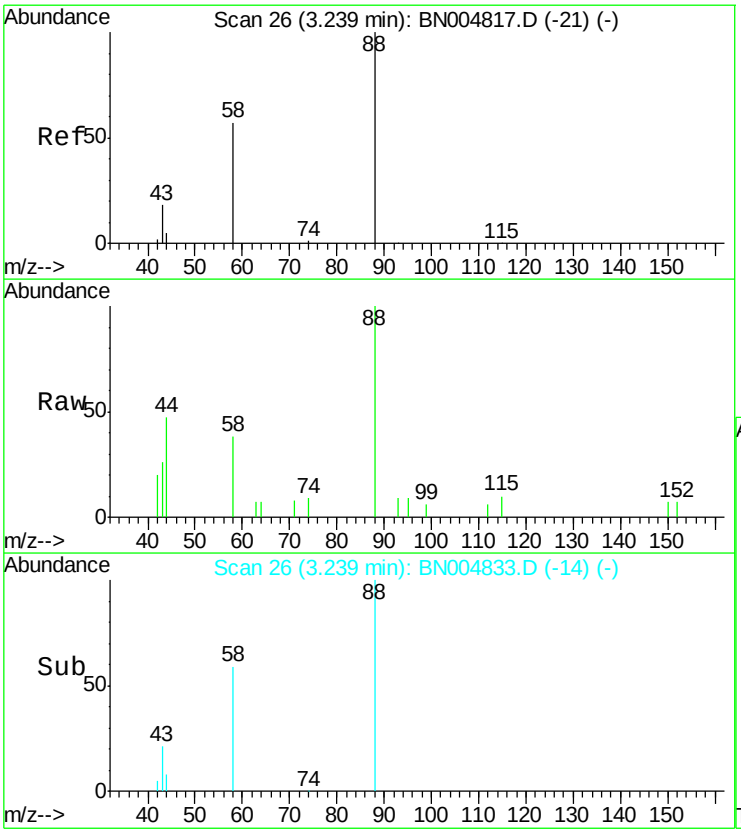
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.71 min Scan# 581
Delta R.T. 0.01 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Instrument :
BNA_N
ClientSampleId :
PB118052BSD

Tgt Ion:152 Resp: 1538

Ion	Ratio	Lower	Upper
152	100		
150	149.3	126.2	189.4
115	62.5	52.6	79.0

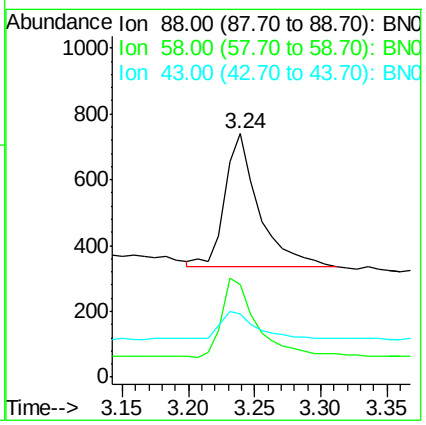


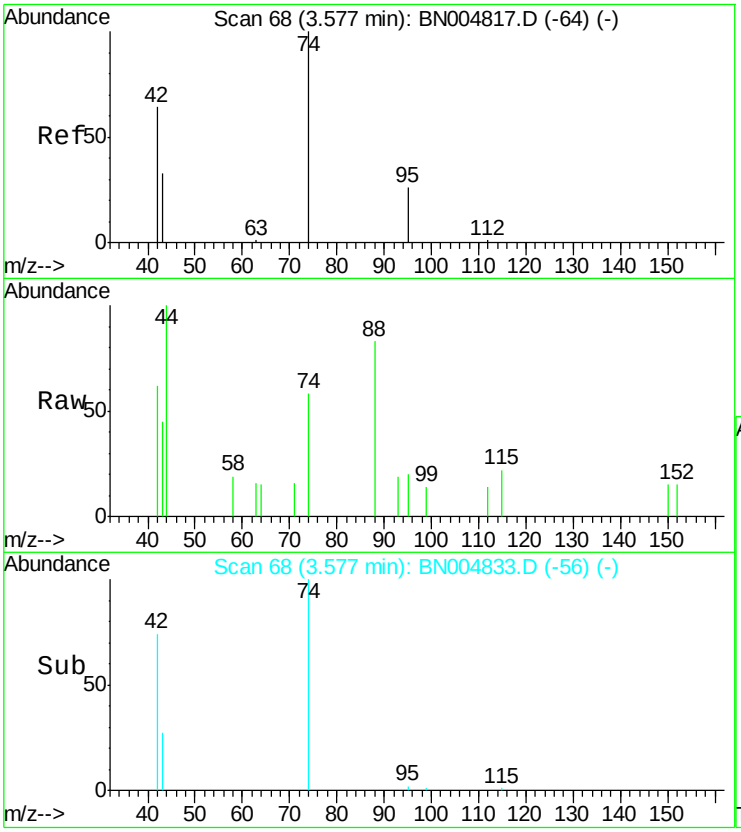


#2
1,4-Dioxane
Concen: 0.411 ng
RT: 3.24 min Scan# 26
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Tgt Ion: 88 Resp: 718

Ion	Ratio	Lower	Upper
88	100		
58	59.3	51.4	77.2
43	21.3	20.0	30.0



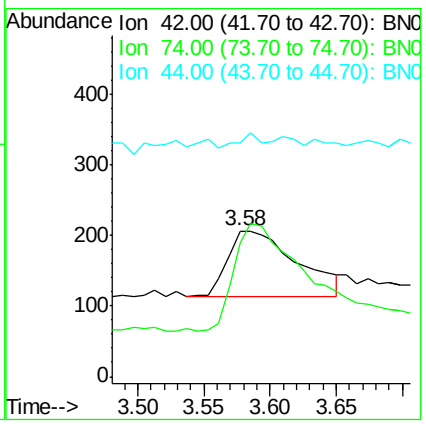


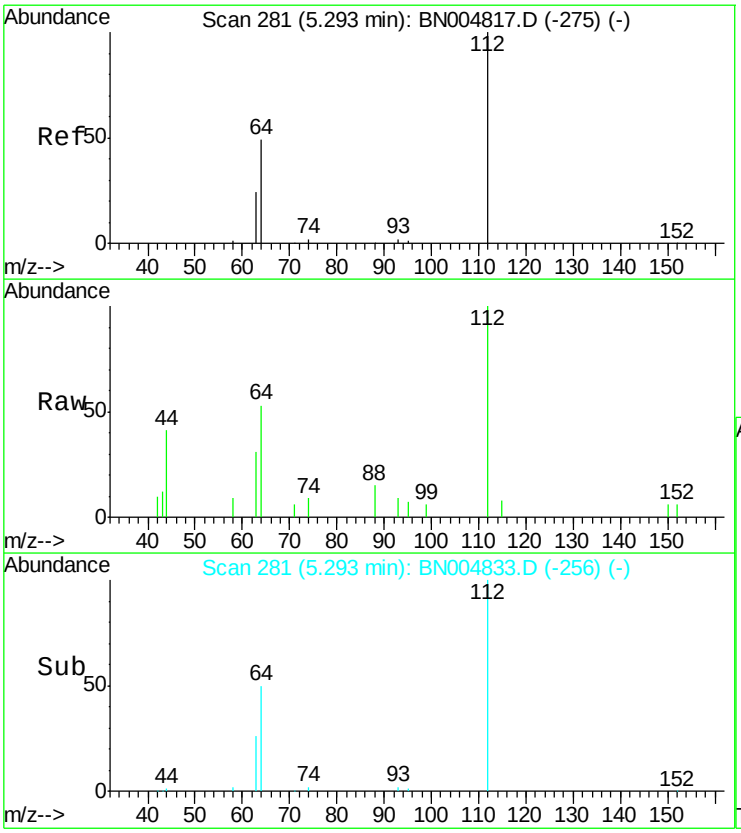
#3
n-Nitrosodimethylamine
Concen: 0.321 ng
RT: 3.58 min Scan# 68
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Instrument :
BNA_N
ClientSampleId :
PB118052BSD

Tgt Ion: 42 Resp: 332

Ion	Ratio	Lower	Upper
42	100		
74	163.9	128.4	192.6
44	7.2	6.1	9.1

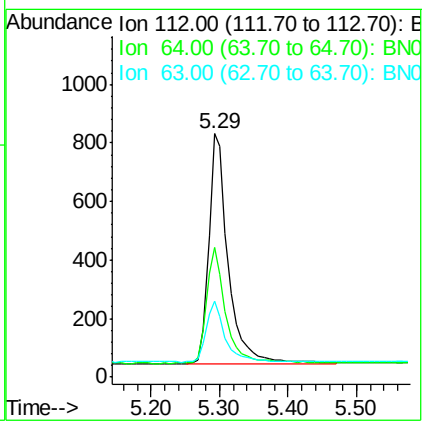


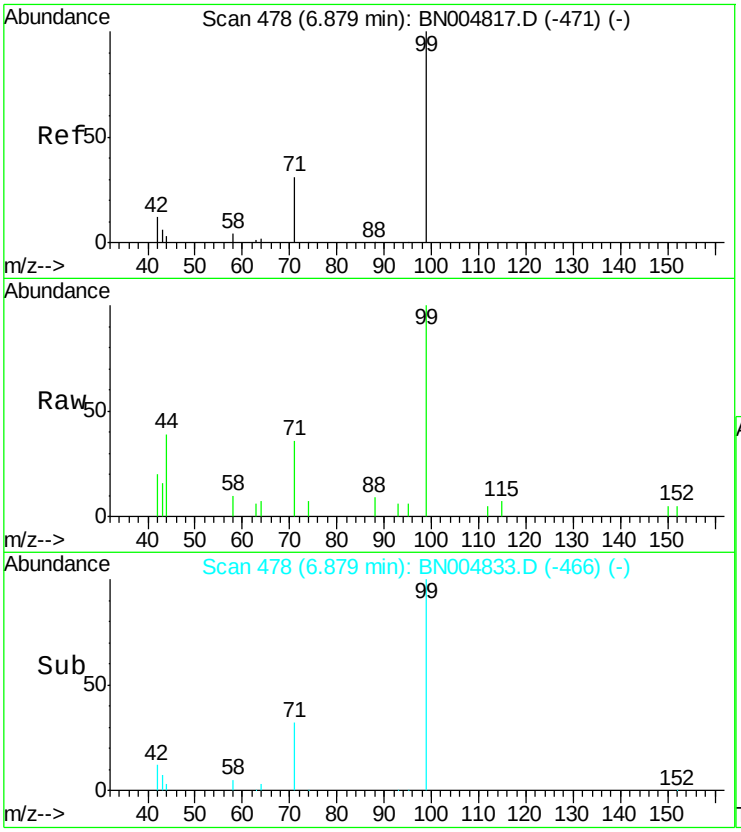


#4
2-Fluorophenol
Concen: 0.376 ng
RT: 5.29 min Scan# 281
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Tgt Ion:112 Resp: 1570

Ion	Ratio	Lower	Upper
112	100		
64	50.3	40.0	60.0
63	25.7	20.2	30.2



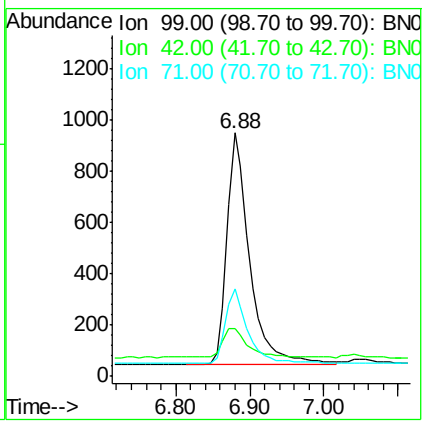


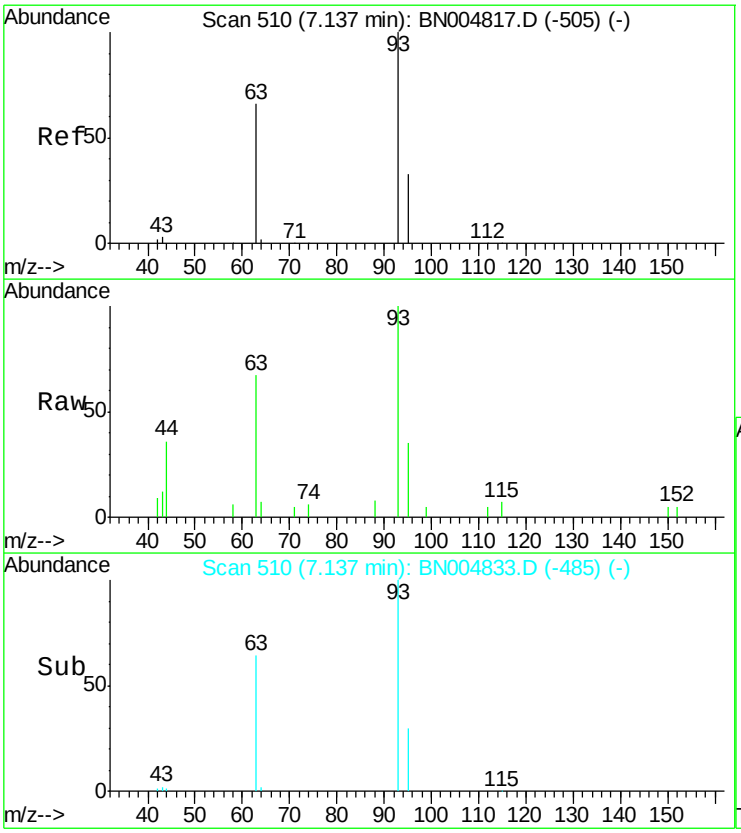
#5
Phenol-d6
Concen: 0.369 ng
RT: 6.88 min Scan# 478
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Instrument :
BNA_N
ClientSampleId :
PB118052BSD

Tgt Ion: 99 Resp: 1923

Ion	Ratio	Lower	Upper
99	100		
42	13.4	12.7	19.1
71	32.1	26.6	40.0

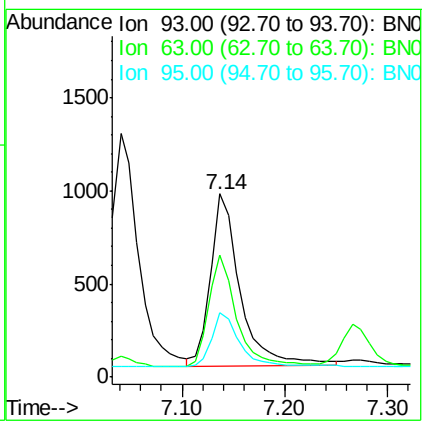


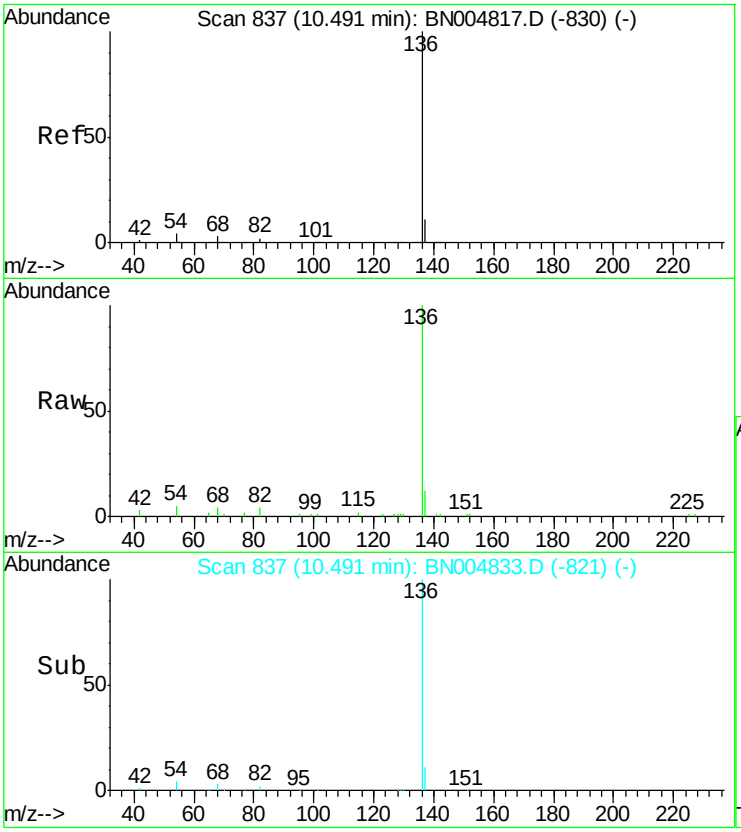


#6
bis(2-Chloroethyl)ether
Concen: 0.394 ng
RT: 7.14 min Scan# 510
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Tgt Ion: 93 Resp: 1849

Ion	Ratio	Lower	Upper
93	100		
63	61.4	52.6	78.8
95	30.2	25.9	38.9



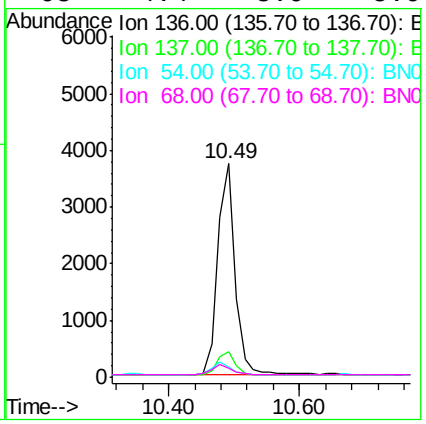


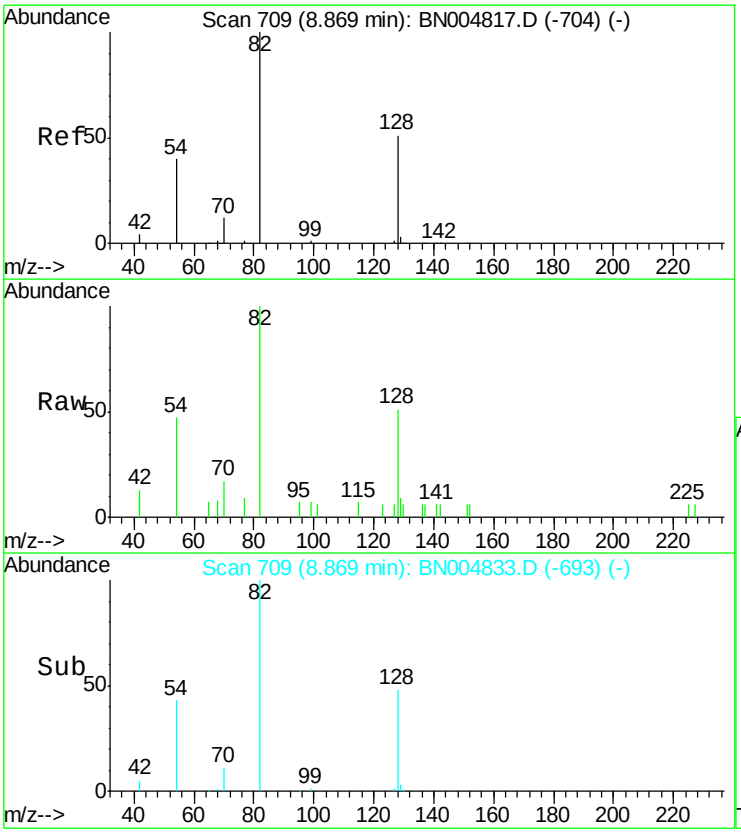
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.49 min Scan# 837
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Instrument :
BNA_N
ClientSampleId :
PB118052BSD

Tgt Ion:136 Resp: 6817

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.6	14.4
54	4.9	4.2	6.2
68	4.4	3.9	5.9

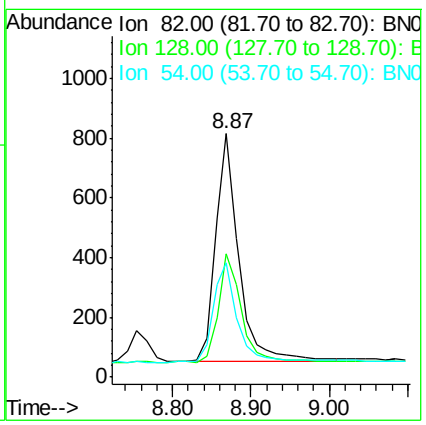


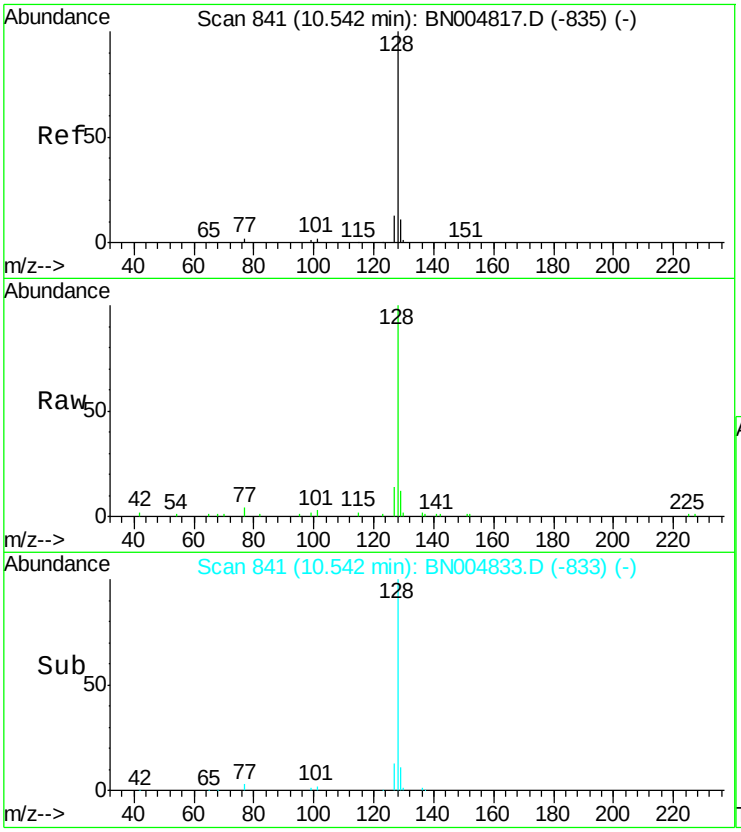


#8
Nitrobenzene-d5
Concen: 0.347 ng
RT: 8.87 min Scan# 709
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Tgt Ion: 82 Resp: 1566

Ion	Ratio	Lower	Upper
82	100		
128	50.9	43.0	64.6
54	46.9	35.3	52.9



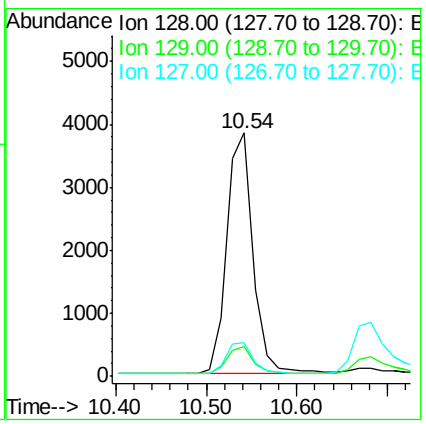


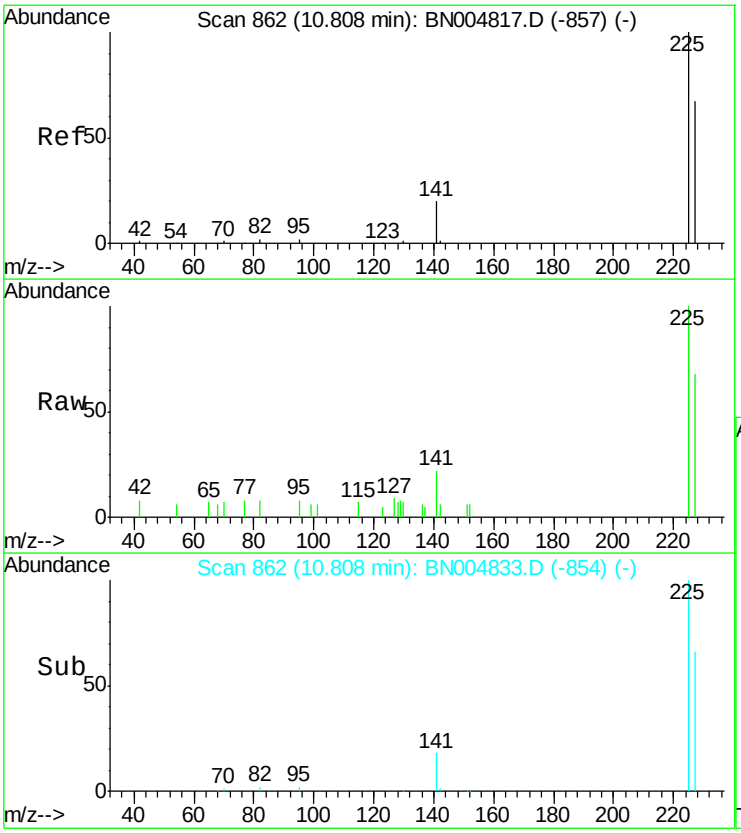
#9
Naphthalene
Concen: 0.396 ng
RT: 10.54 min Scan# 841
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Instrument :
BNA_N
ClientSampleId :
PB118052BSD

Tgt Ion:128 Resp: 7580

Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.9	14.9
127	13.9	11.3	16.9

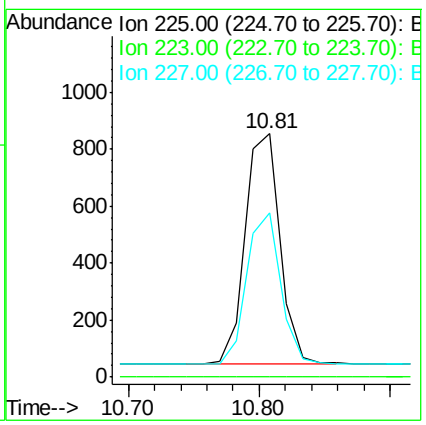


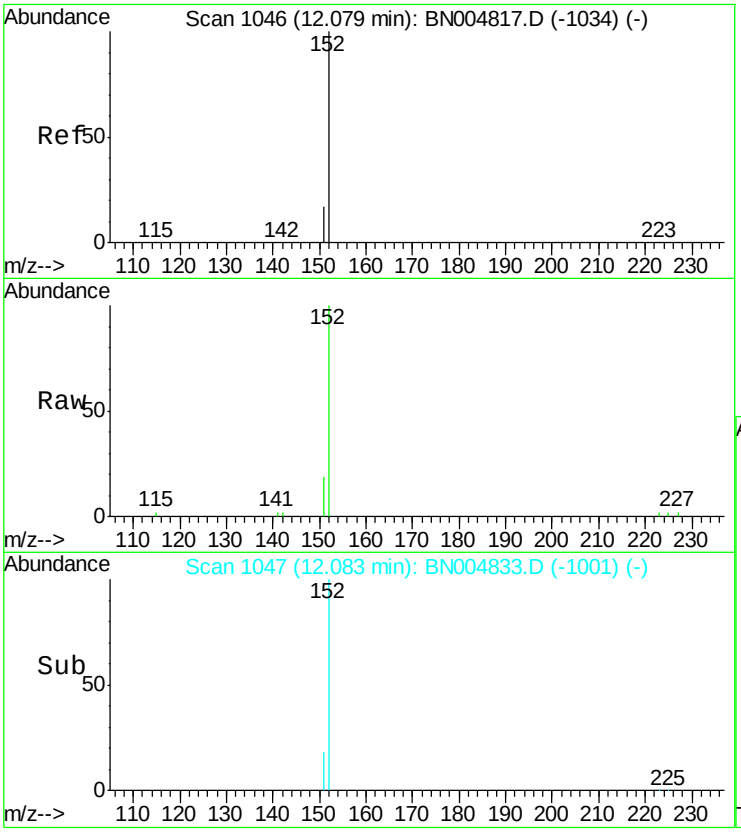


#10
Hexachlorobutadiene
Concen: 0.410 ng
RT: 10.81 min Scan# 862
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Tgt Ion:225 Resp: 1495

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	52.2	78.4



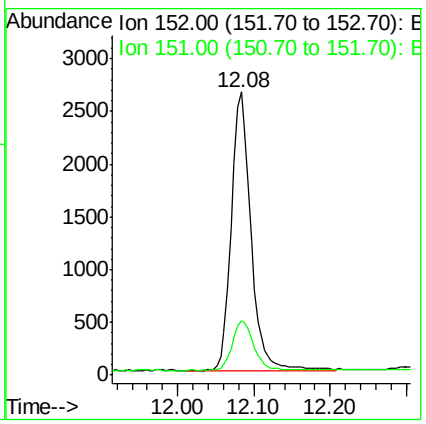


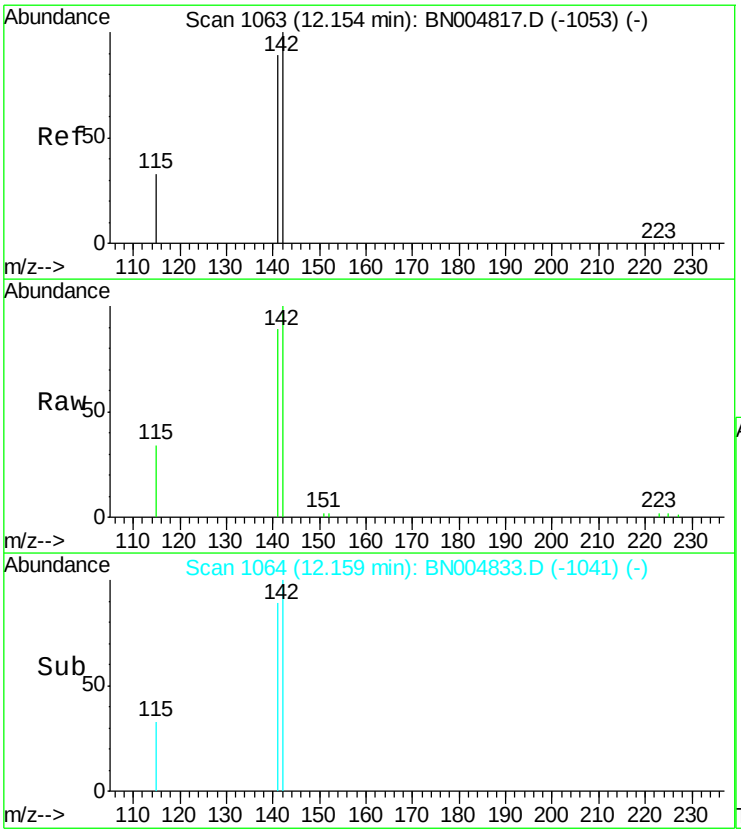
#11
2-Methylnaphthalene-d10
Concen: 0.395 ng
RT: 12.08 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Instrument :
BNA_N
ClientSampleId :
PB118052BSD

Tgt Ion:152 Resp: 4695

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3

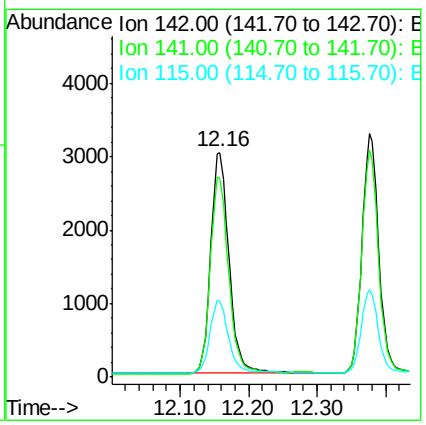


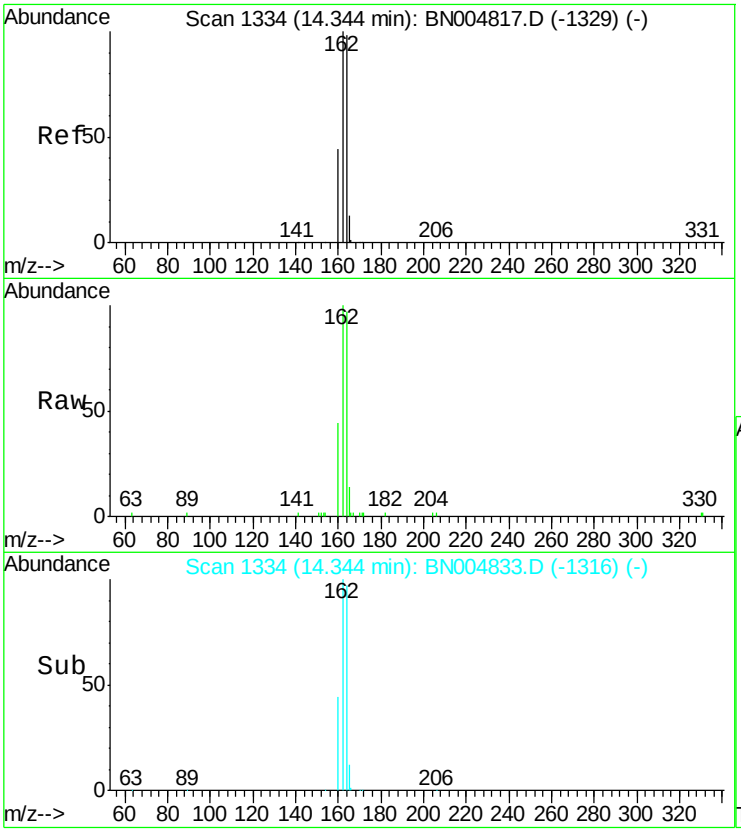


#12
2-Methylnaphthalene
Concen: 0.396 ng
RT: 12.16 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Tgt Ion:142 Resp: 5620

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.4	107.2
115	34.1	27.5	41.3



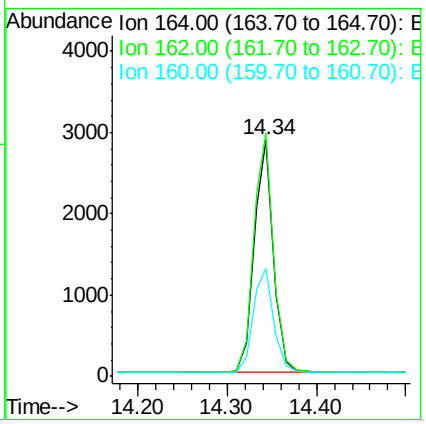


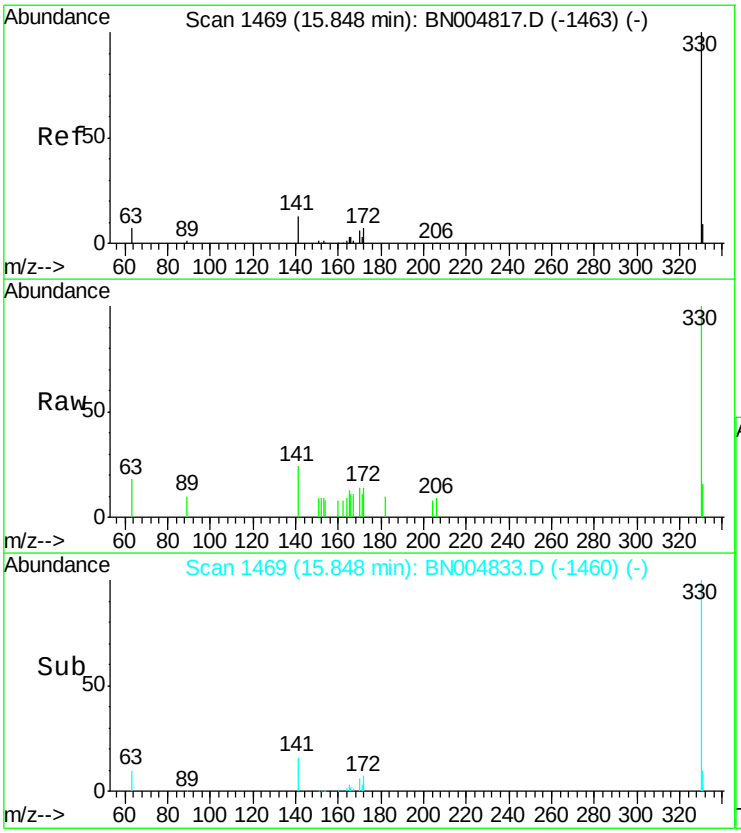
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.34 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Instrument :
BNA_N
ClientSampleId :
PB118052BSD

Tgt Ion:164 Resp: 4306

Ion	Ratio	Lower	Upper
164	100		
162	103.1	81.9	122.9
160	45.8	36.6	54.8

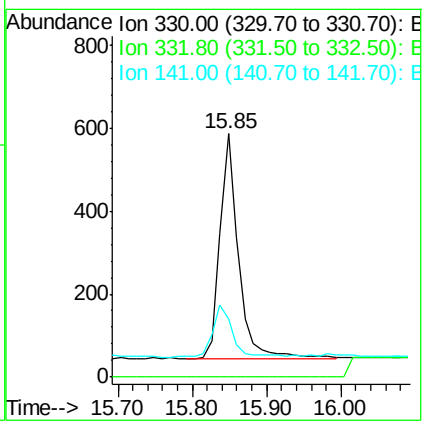


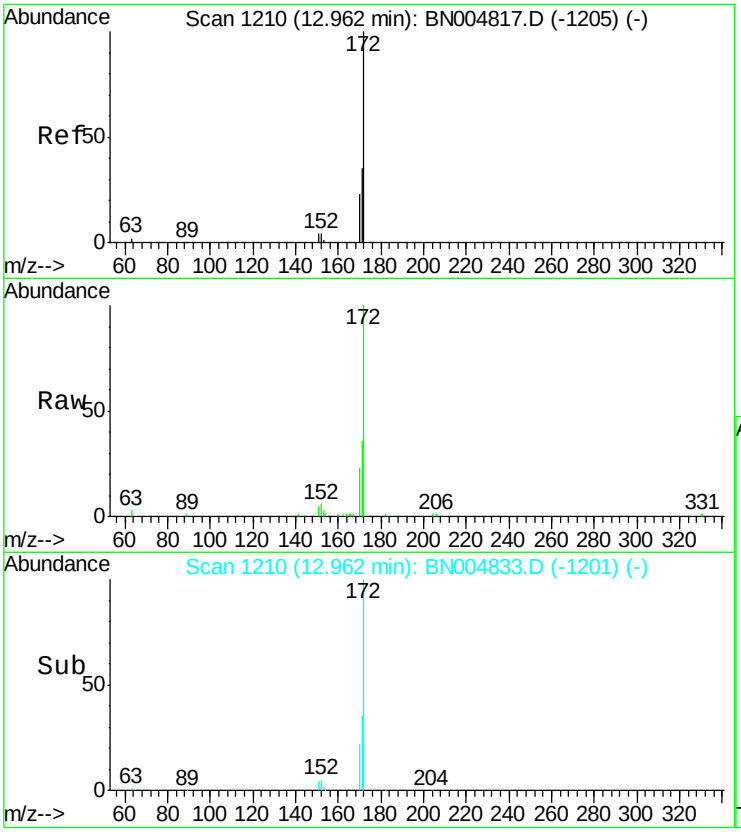


#14
2,4,6-Tribromophenol
Concen: 0.315 ng
RT: 15.85 min Scan# 1469
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Tgt Ion:330 Resp: 938

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	24.8	20.9	31.3



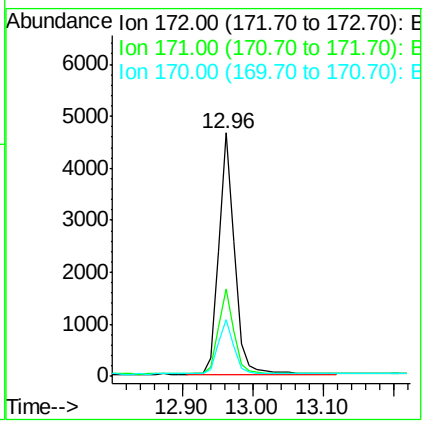


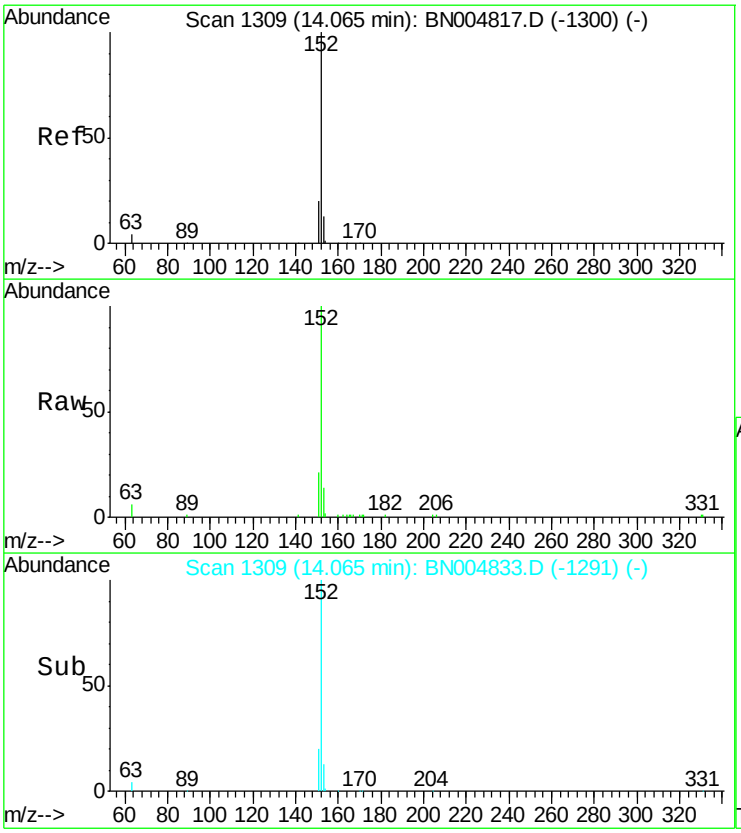
#15
2-Fluorobiphenyl
Concen: 0.409 ng
RT: 12.96 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Instrument :
BNA_N
ClientSampleId :
PB118052BSD

Tgt Ion:172 Resp: 7286

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.7	43.1
170	23.1	18.7	28.1

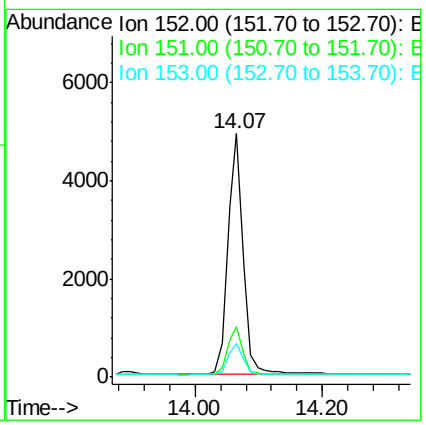


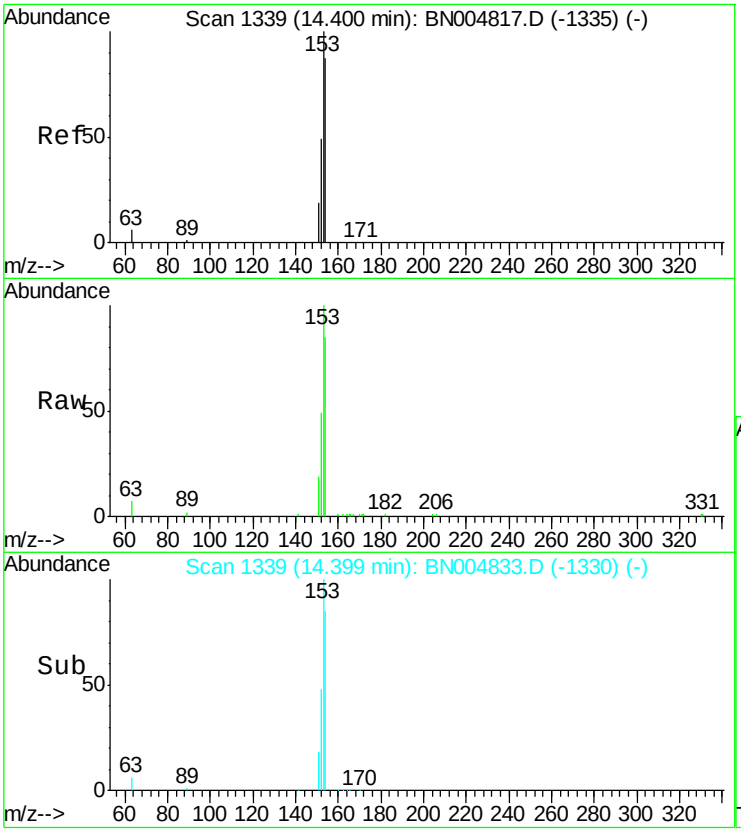


#16
Acenaphthylene
Concen: 0.367 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Tgt Ion:152 Resp: 8144

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.1	24.1
153	13.3	10.5	15.7



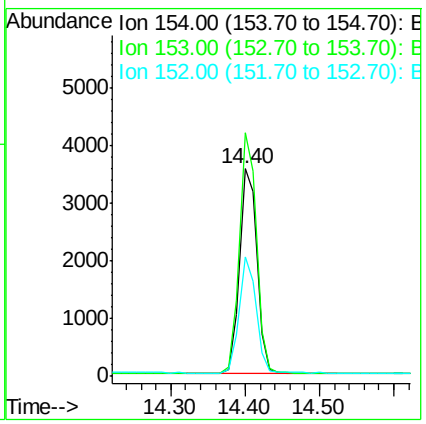


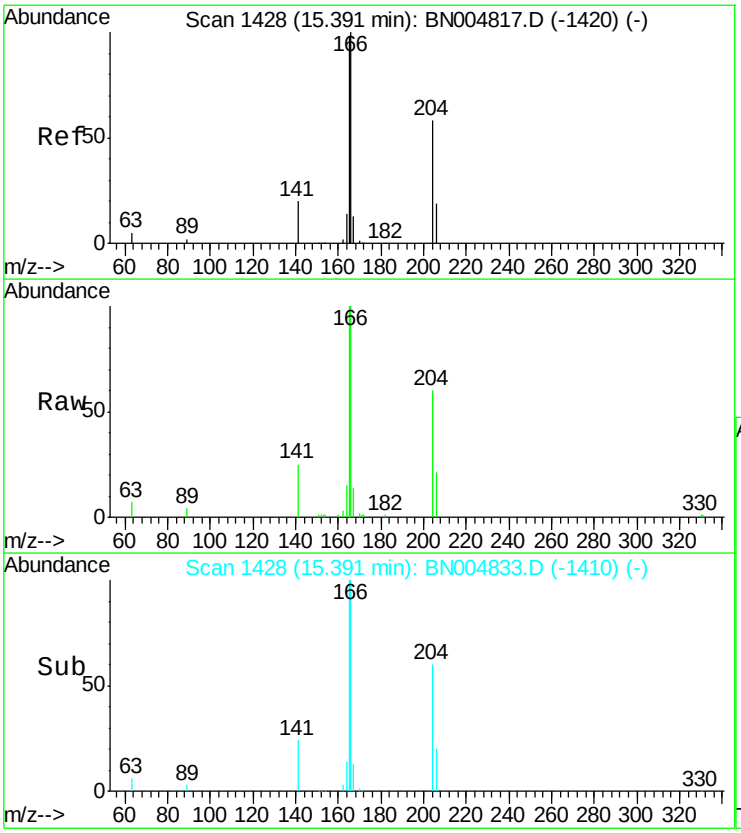
#17
Acenaphthene
Concen: 0.398 ng
RT: 14.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Instrument :
BNA_N
ClientSampleId :
PB118052BSD

Tgt Ion:154 Resp: 5788

Ion	Ratio	Lower	Upper
154	100		
153	115.3	91.4	137.2
152	55.4	44.2	66.2

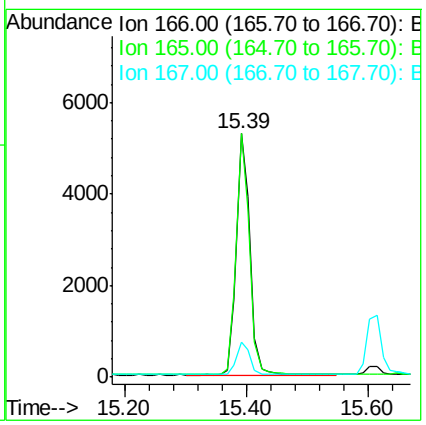


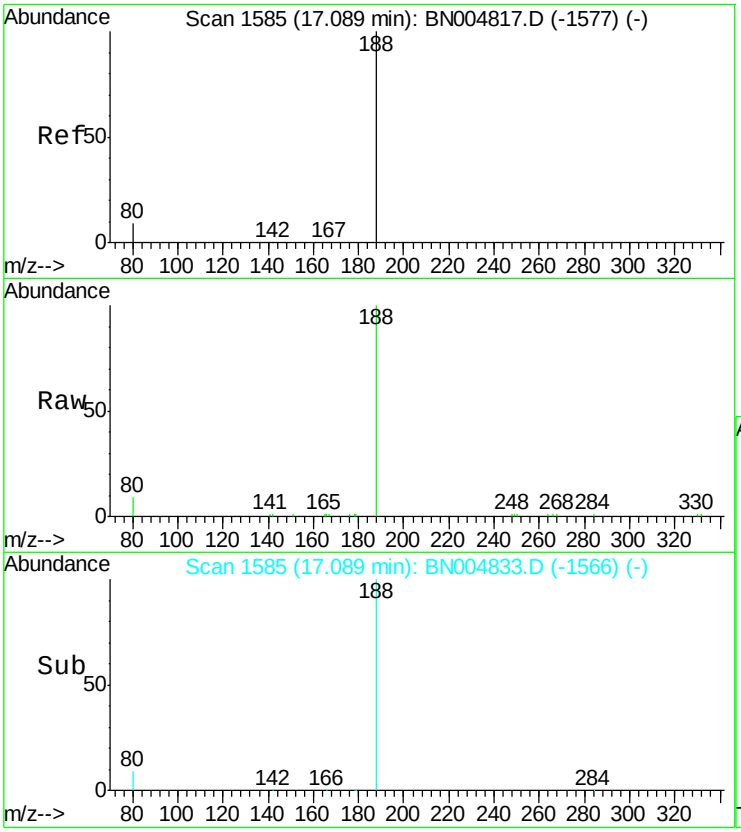


#18
Fluorene
Concen: 0.398 ng
RT: 15.39 min Scan# 1428
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Tgt Ion:166 Resp: 8076

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.2	117.4
167	13.5	11.0	16.4



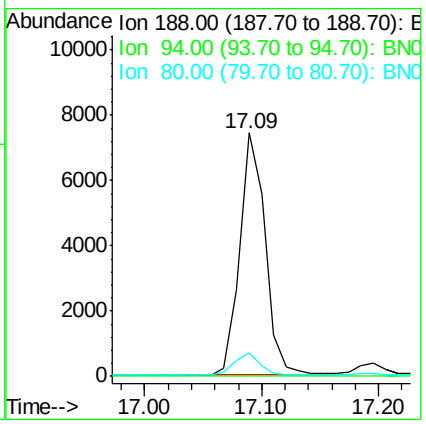


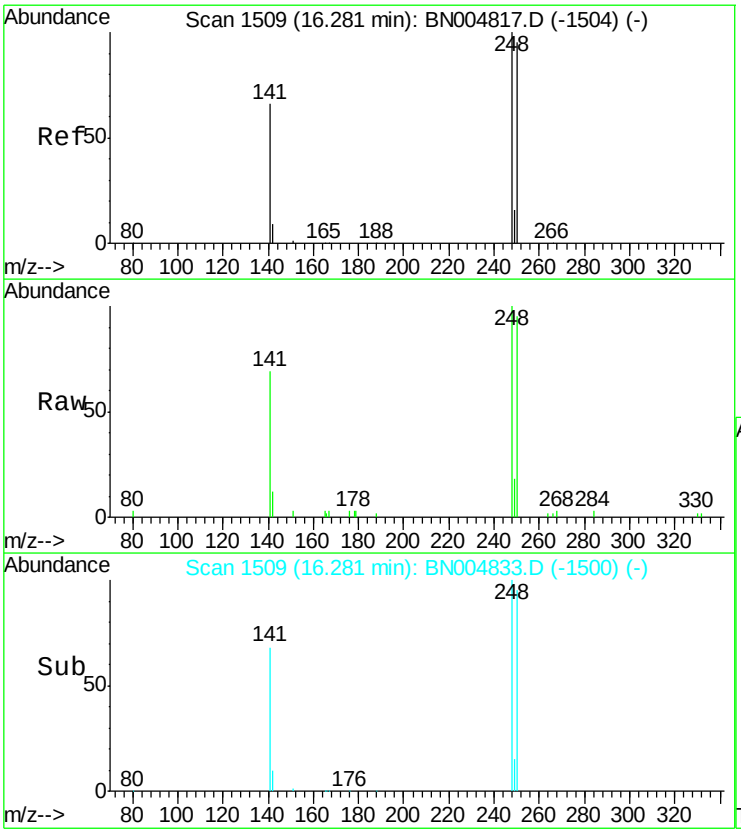
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Instrument :
BNA_N
ClientSampleId :
PB118052BSD

Tgt Ion:188 Resp: 11149

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.4	7.4	11.2

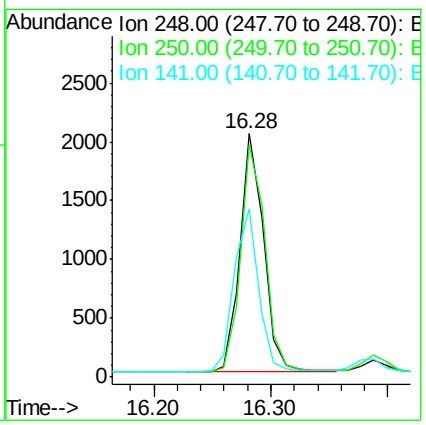


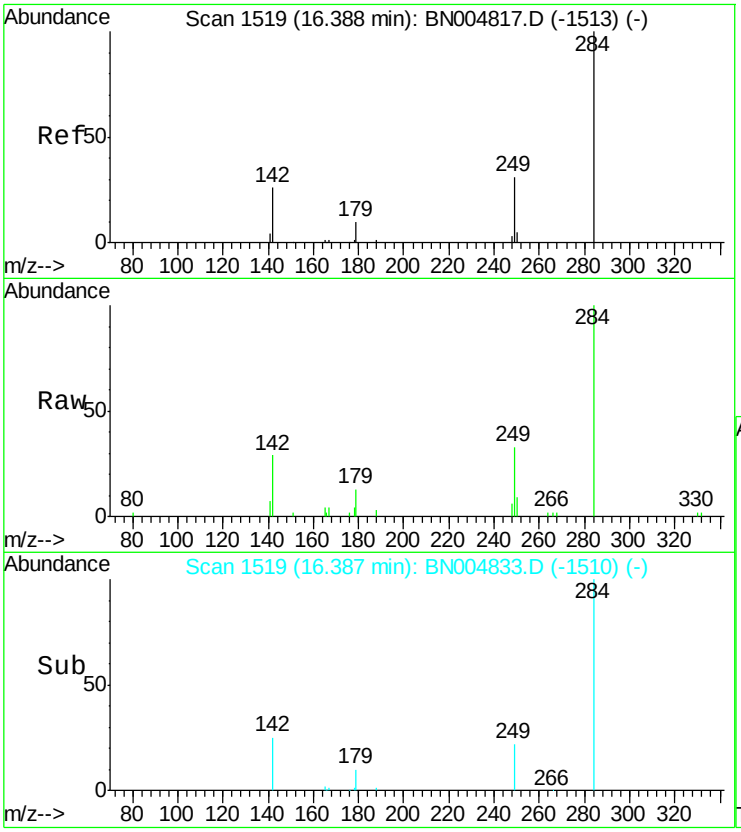


#20
4-Bromophenyl-phenylether
Concen: 0.388 ng
RT: 16.28 min Scan# 1509
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Tgt Ion:248 Resp: 2825

Ion	Ratio	Lower	Upper
248	100		
250	95.1	76.2	114.4
141	69.1	53.9	80.9



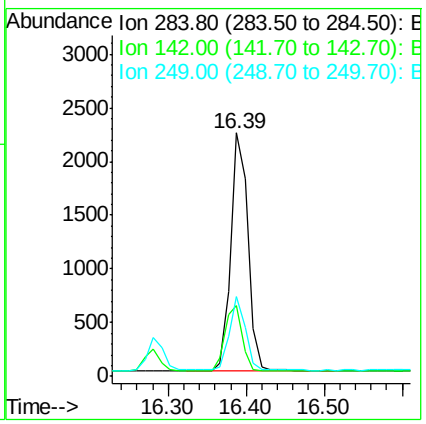


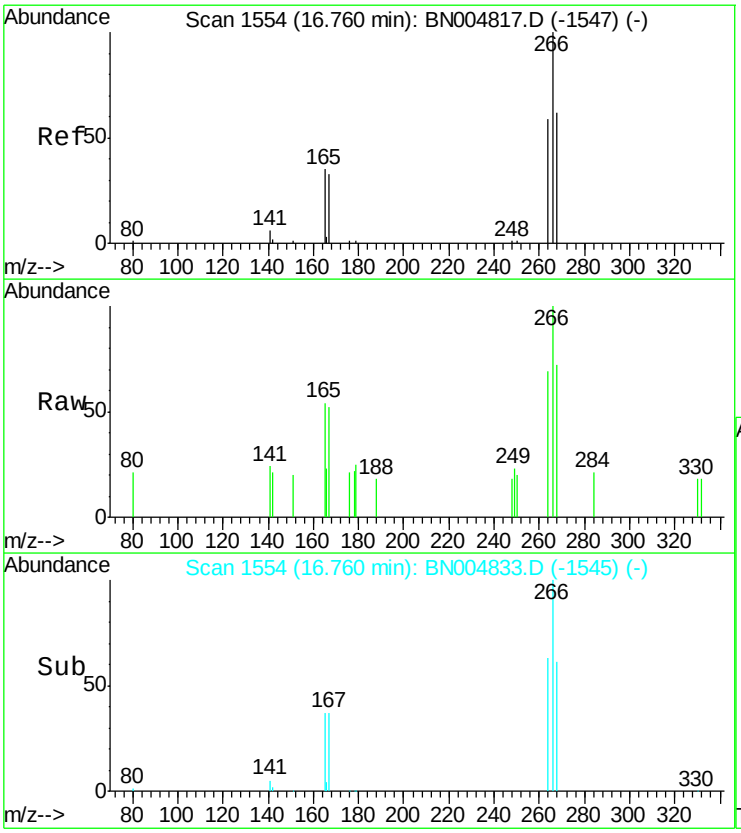
#21
Hexachlorobenzene
Concen: 0.405 ng
RT: 16.39 min Scan# 1519
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Instrument :
BNA_N
ClientSampleId :
PB118052BSD

Tgt Ion:284 Resp: 3377

Ion	Ratio	Lower	Upper
284	100		
142	28.4	22.6	34.0
249	28.8	22.5	33.7

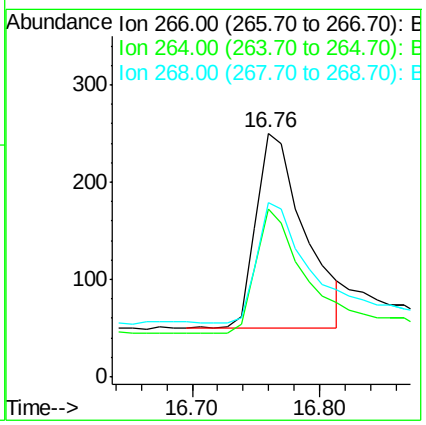


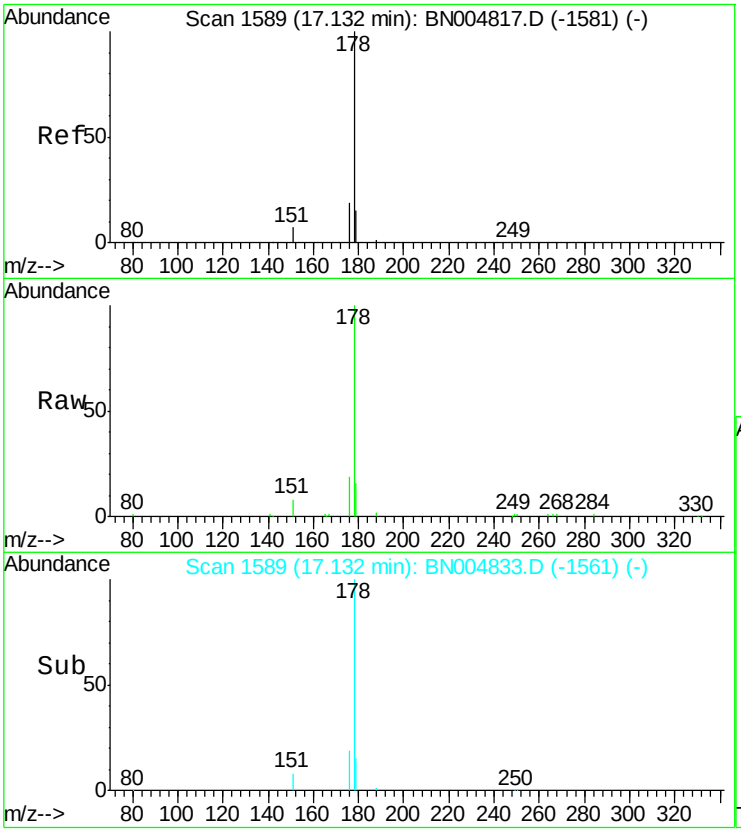


#22
Pentachlorophenol
Concen: 0.323 ng
RT: 16.76 min Scan# 1554
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Tgt Ion:266 Resp: 527

Ion	Ratio	Lower	Upper
266	100		
264	68.8	53.1	79.7
268	71.6	57.7	86.5



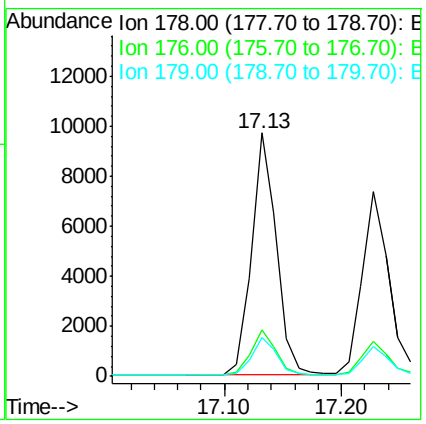


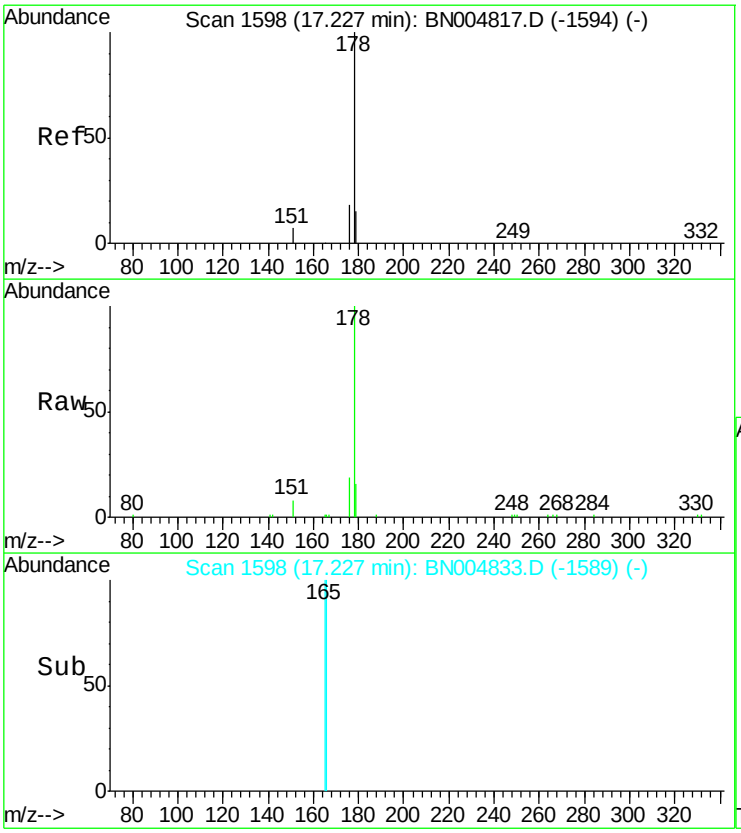
#23
Phenanthrene
Concen: 0.398 ng
RT: 17.13 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Instrument :
BNA_N
ClientSampleId :
PB118052BSD

Tgt Ion:178 Resp: 14323

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.6	12.1	18.1

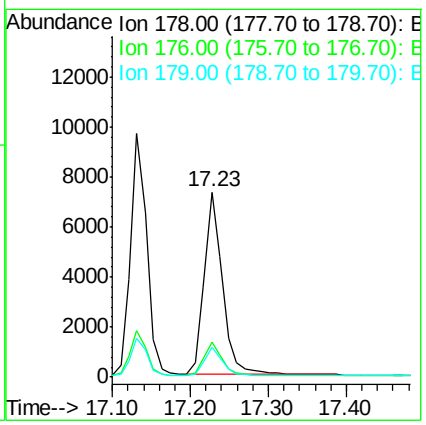


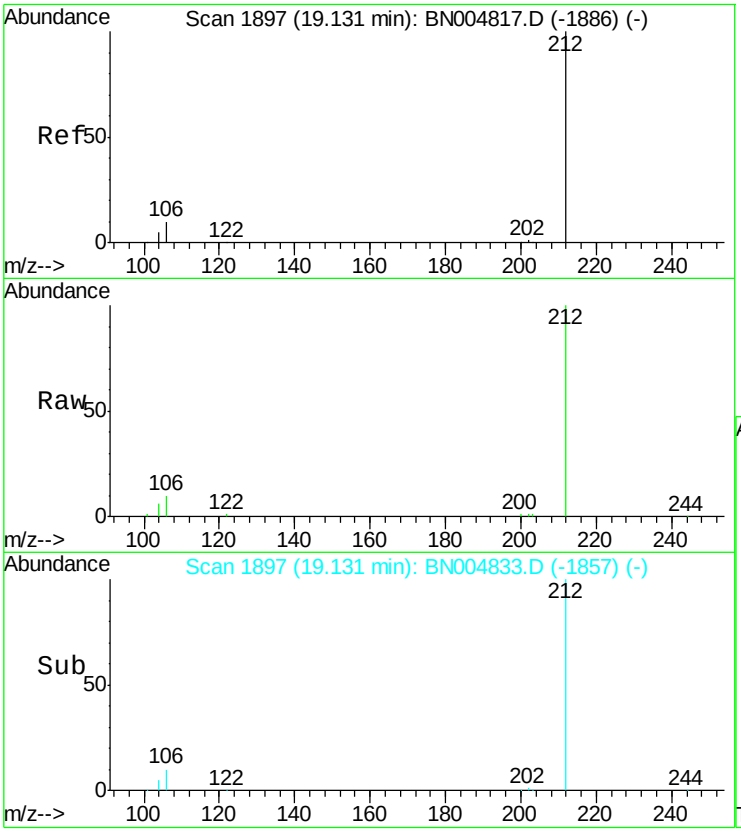


#24
Anthracene
Concen: 0.371 ng
RT: 17.23 min Scan# 1598
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Tgt Ion:178 Resp: 11932

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.5	21.7
179	15.3	12.2	18.4



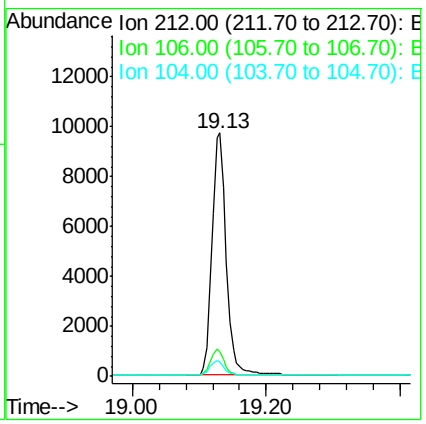


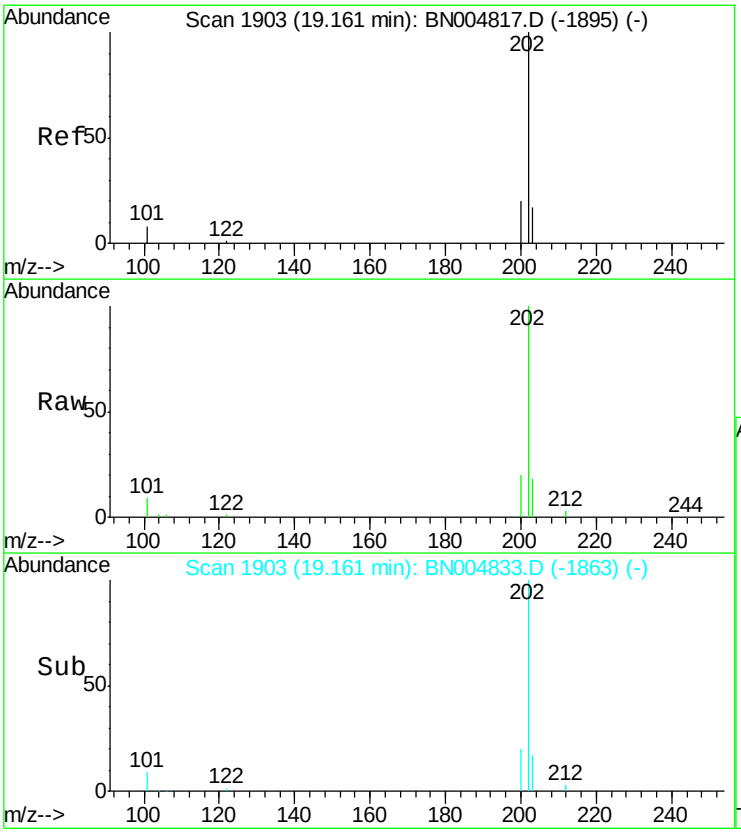
#25
Fluoranthene-d10
Concen: 0.385 ng
RT: 19.13 min Scan# 1897
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Instrument :
BNA_N
ClientSampleId :
PB118052BSD

Tgt Ion:212 Resp: 14363

Ion	Ratio	Lower	Upper
212	100		
106	10.3	8.6	13.0
104	5.7	4.7	7.1

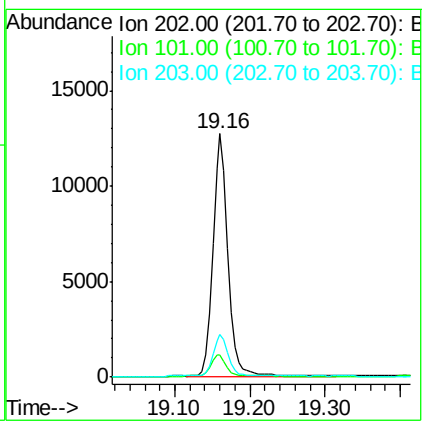


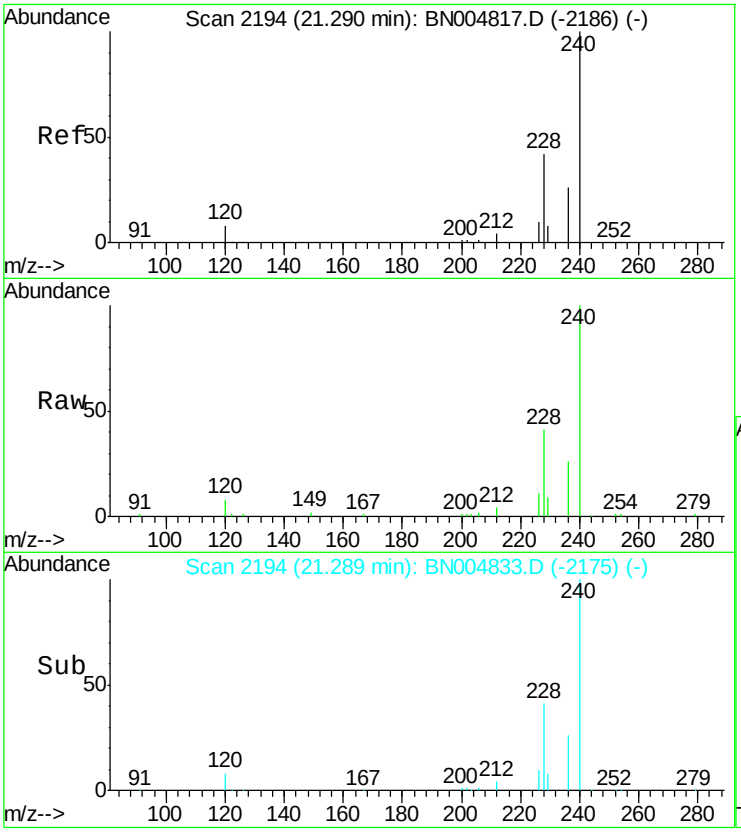


#26
Fluoranthene
Concen: 0.388 ng
RT: 19.16 min Scan# 1903
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Tgt Ion:202 Resp: 17930

Ion	Ratio	Lower	Upper
202	100		
101	9.3	7.5	11.3
203	17.4	13.8	20.6



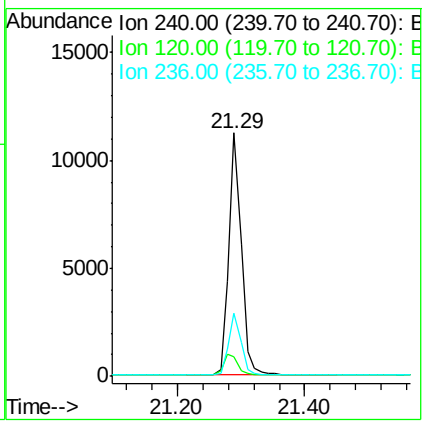


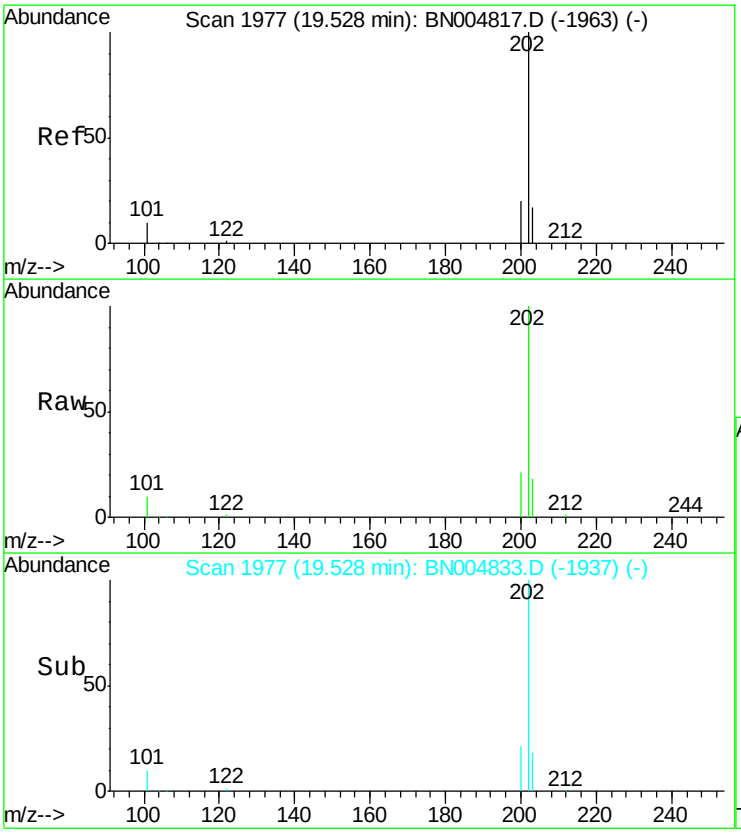
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Instrument :
BNA_N
ClientSampleId :
PB118052BSD

Tgt Ion:240 Resp: 15272

Ion	Ratio	Lower	Upper
240	100		
120	8.1	7.2	10.8
236	26.1	20.9	31.3

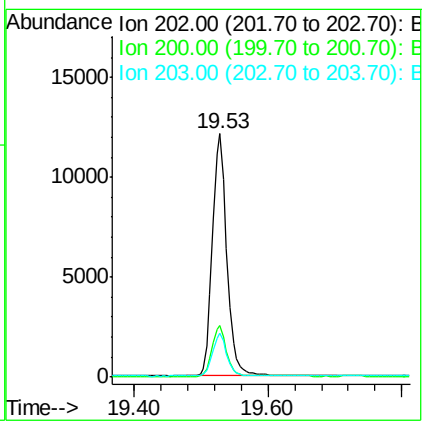


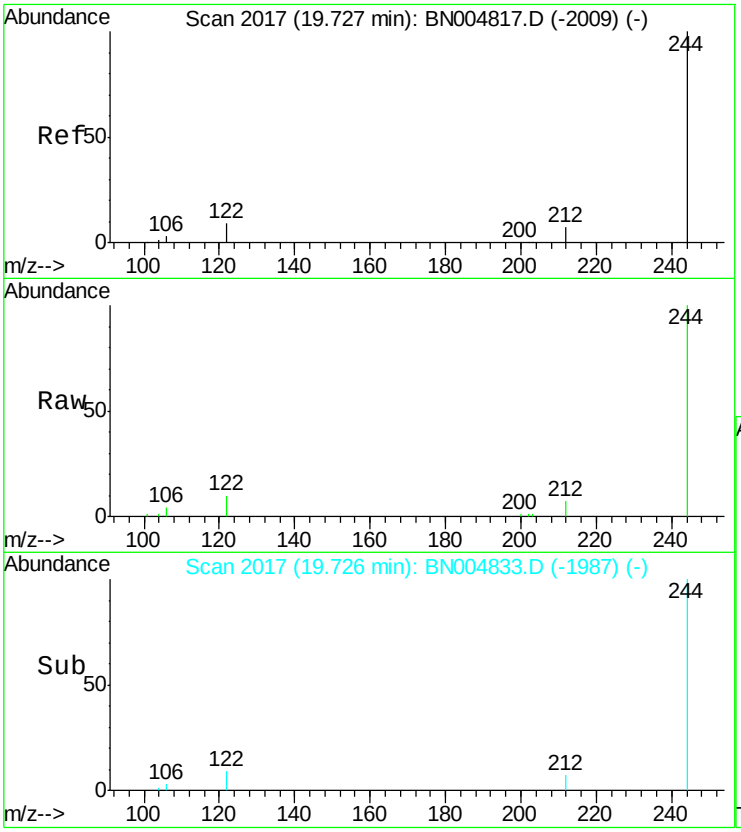


#28
Pyrene
Concen: 0.394 ng
RT: 19.53 min Scan# 1977
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Tgt Ion:202 Resp: 18368

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.3	24.5
203	17.5	14.0	21.0



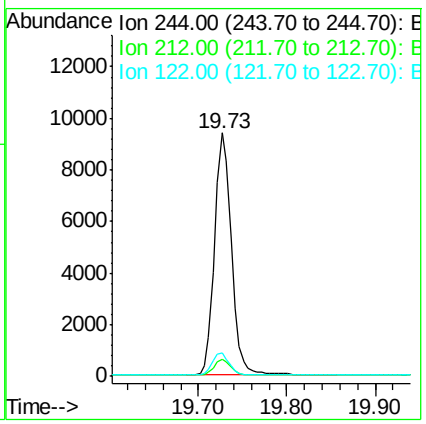


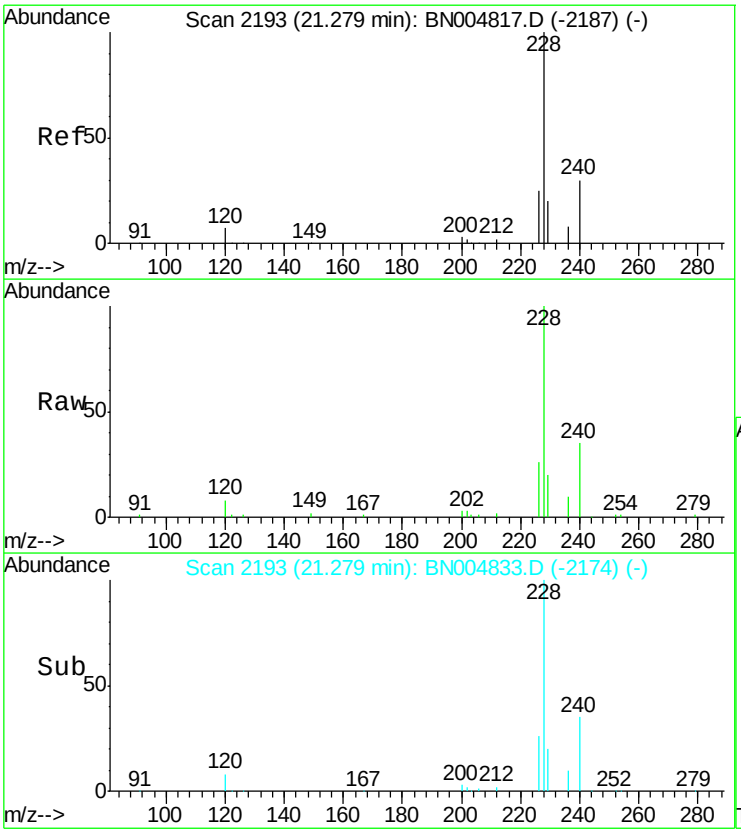
#29
Terphenyl-d14
Concen: 0.399 ng
RT: 19.73 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Instrument :
BNA_N
ClientSampleId :
PB118052BSD

Tgt Ion:244 Resp: 12473

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	9.6	7.9	11.9

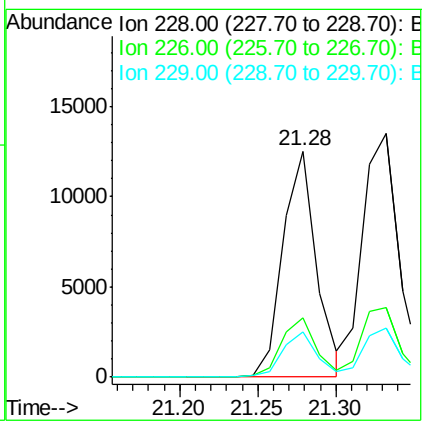


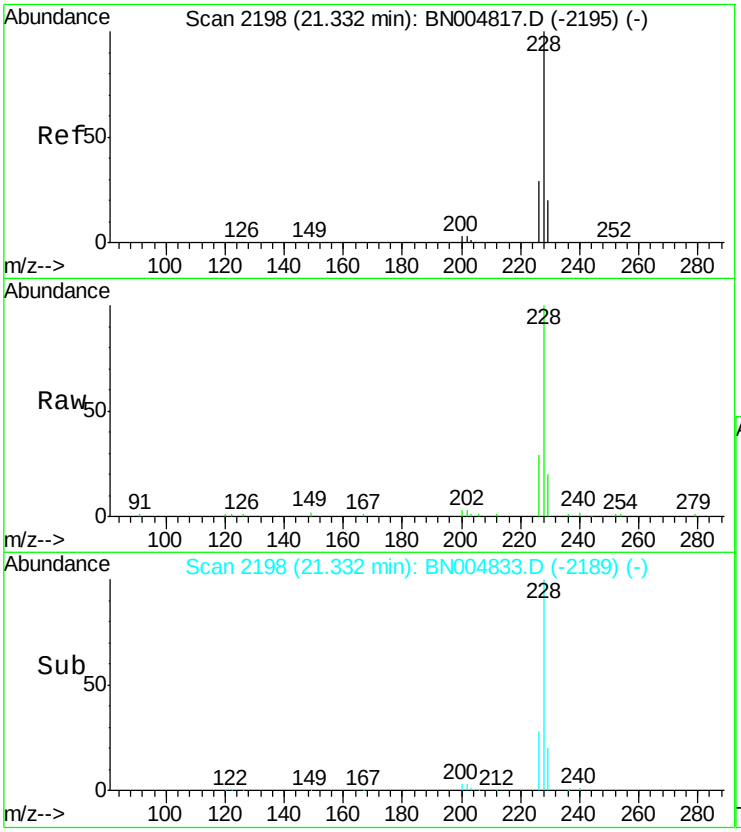


#30
Benzo(a)anthracene
Concen: 0.369 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Tgt Ion:228 Resp: 18465

Ion	Ratio	Lower	Upper
228	100		
226	26.0	20.6	31.0
229	19.9	16.2	24.4



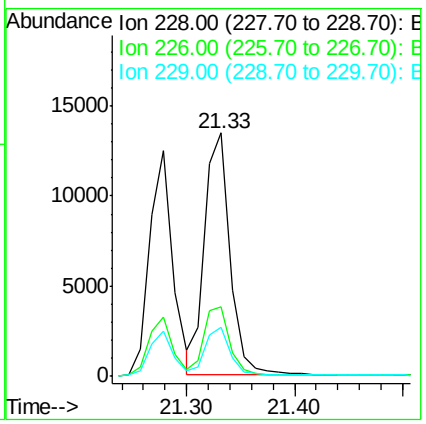


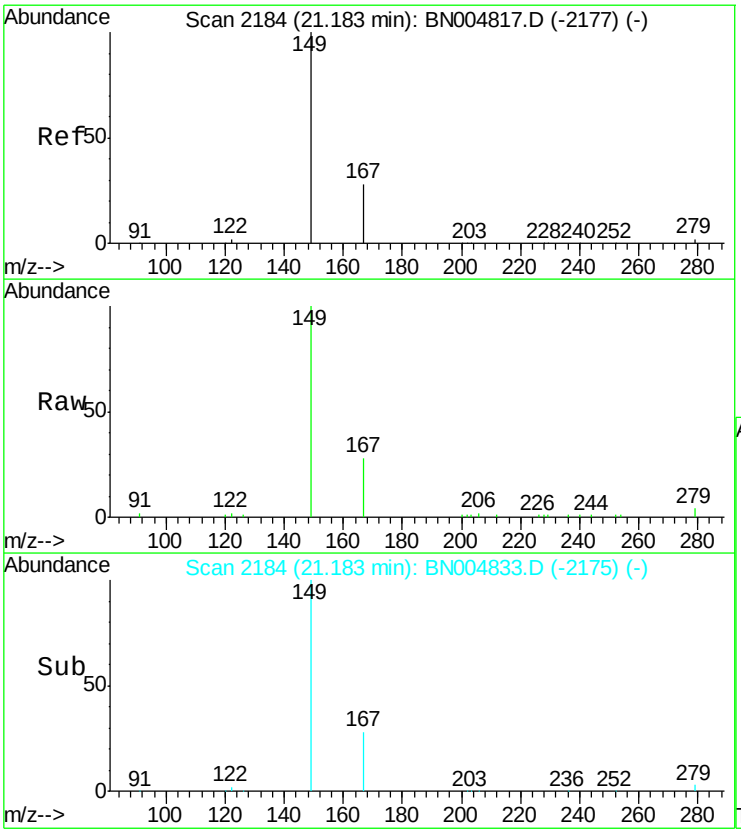
#31
Chrysene
Concen: 0.410 ng
RT: 21.33 min Scan# 2198
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Instrument :
BNA_N
ClientSampleId :
PB118052BSD

Tgt Ion:228 Resp: 21644

Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.0	34.6
229	20.1	16.2	24.2

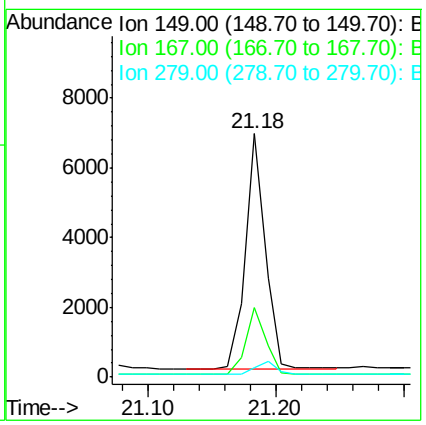


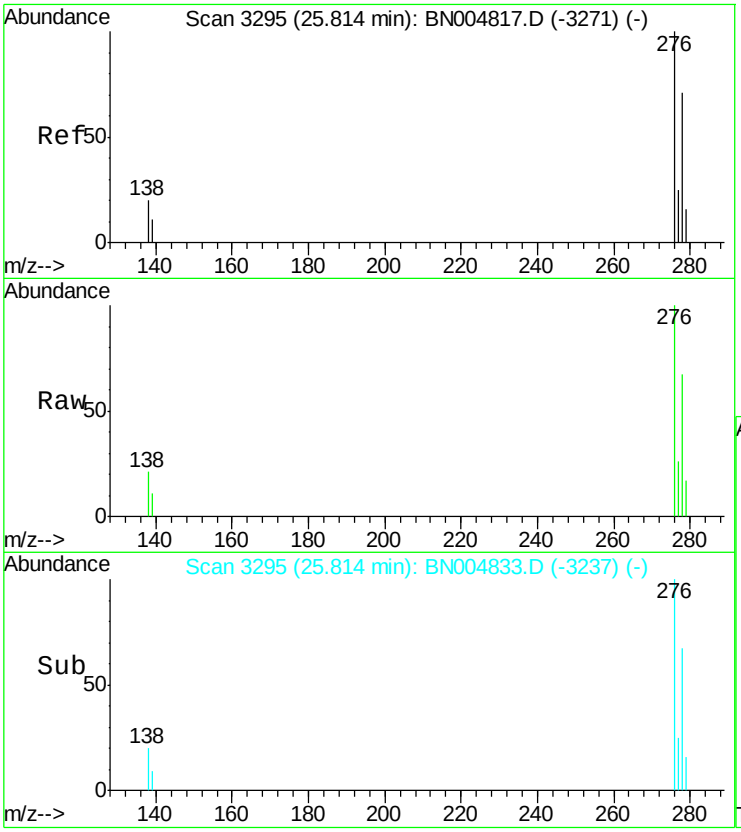


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.369 ng
RT: 21.18 min Scan# 2184
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Tgt Ion:149 Resp: 7382

Ion	Ratio	Lower	Upper
149	100		
167	28.5	23.0	34.4
279	5.7	4.6	6.8



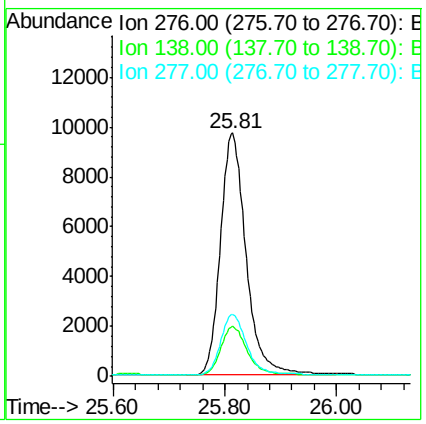


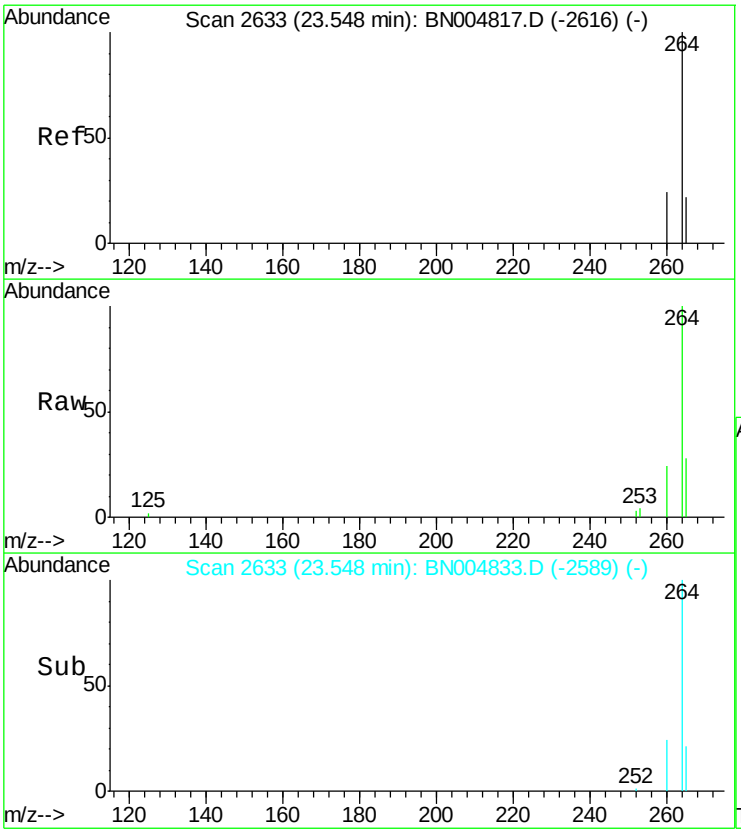
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.406 ng
RT: 25.81 min Scan# 3295
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Instrument :
BNA_N
ClientSampleId :
PB118052BSD

Tgt Ion:276 Resp: 31013

Ion	Ratio	Lower	Upper
276	100		
138	20.6	16.6	24.8
277	25.4	20.3	30.5

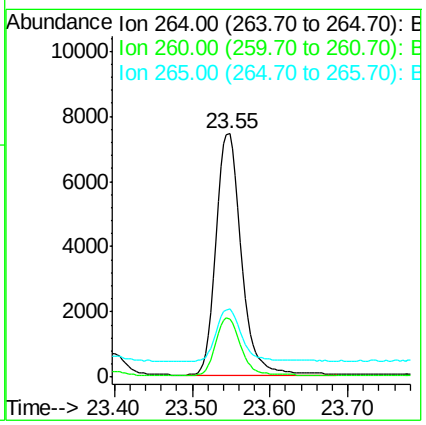


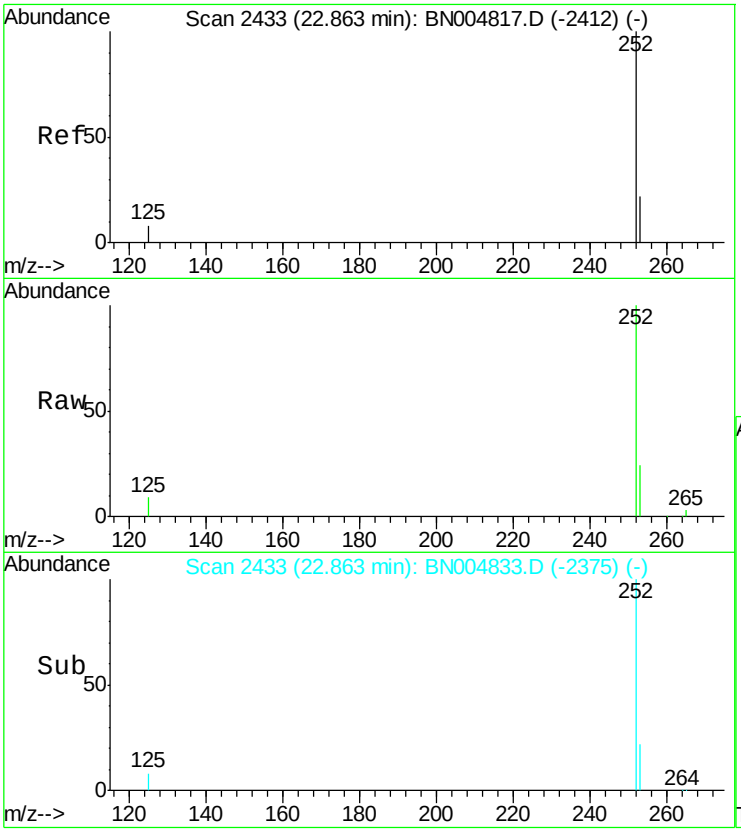


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.55 min Scan# 2633
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Tgt Ion:264 Resp: 16679

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	27.8	23.1	34.7



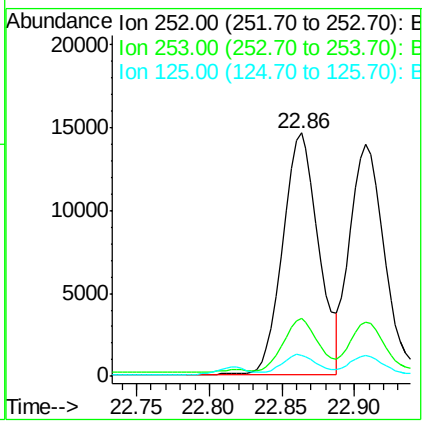


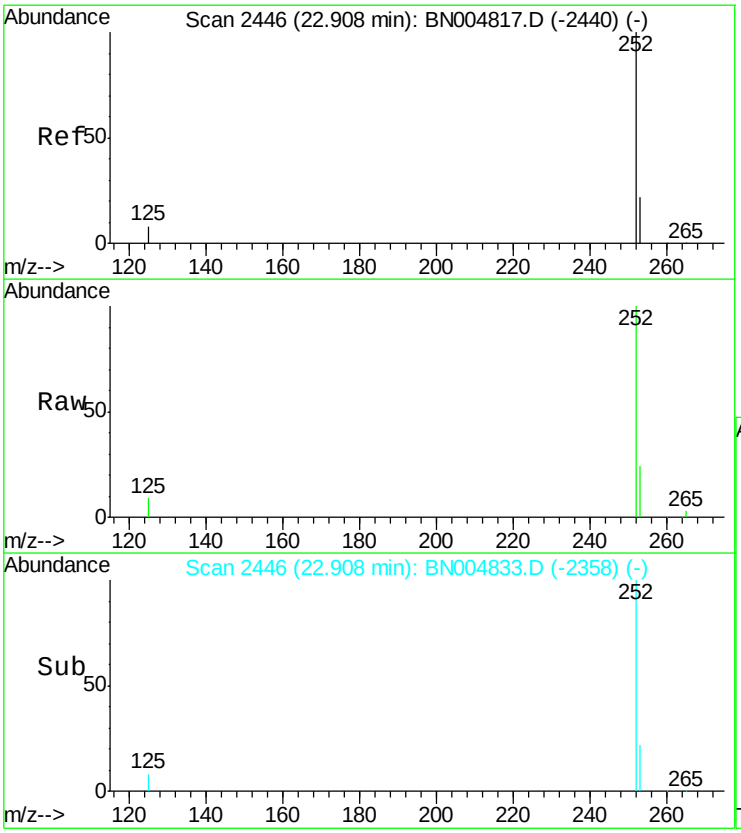
#35
Benzo(b)fluoranthene
Concen: 0.415 ng
RT: 22.86 min Scan# 2433
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Instrument :
BNA_N
ClientSampleId :
PB118052BSD

Tgt Ion:252 Resp: 25051

Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.0	28.4
125	8.8	7.4	11.2

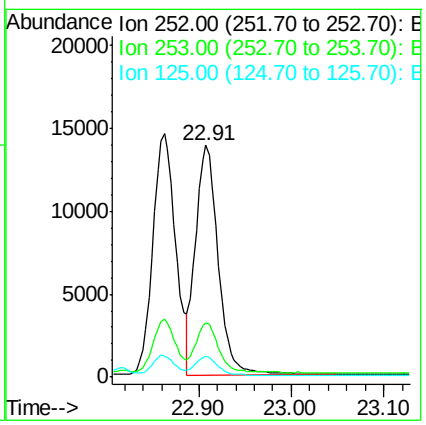


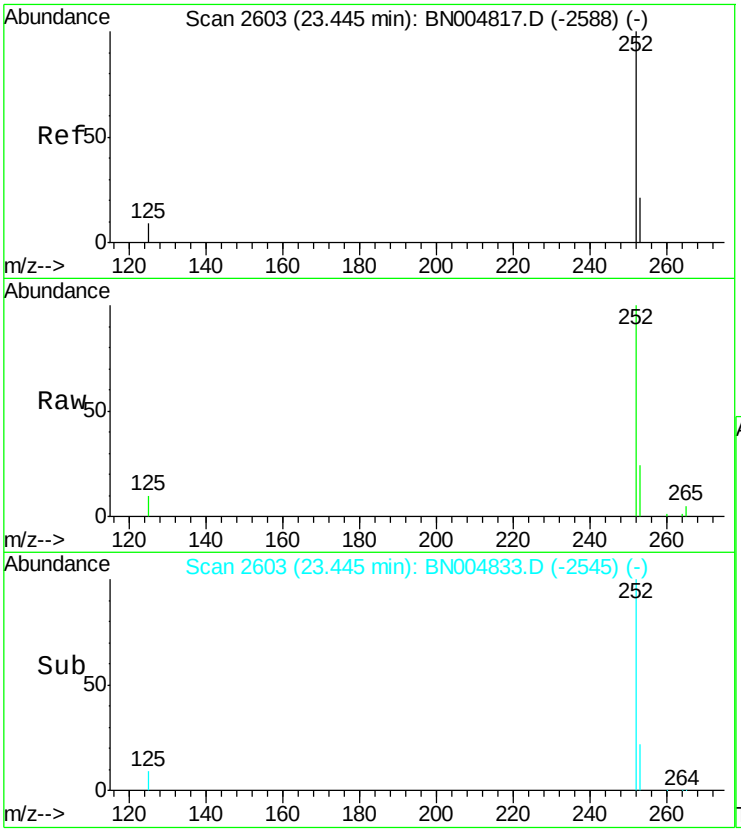


#36
Benzo(k)fluoranthene
Concen: 0.392 ng
RT: 22.91 min Scan# 2446
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Tgt Ion:252 Resp: 23296

Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.3	28.9
125	9.0	7.4	11.0



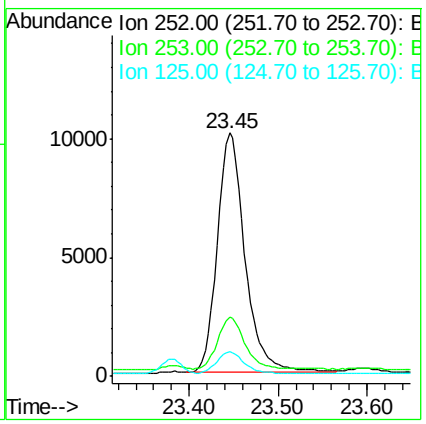


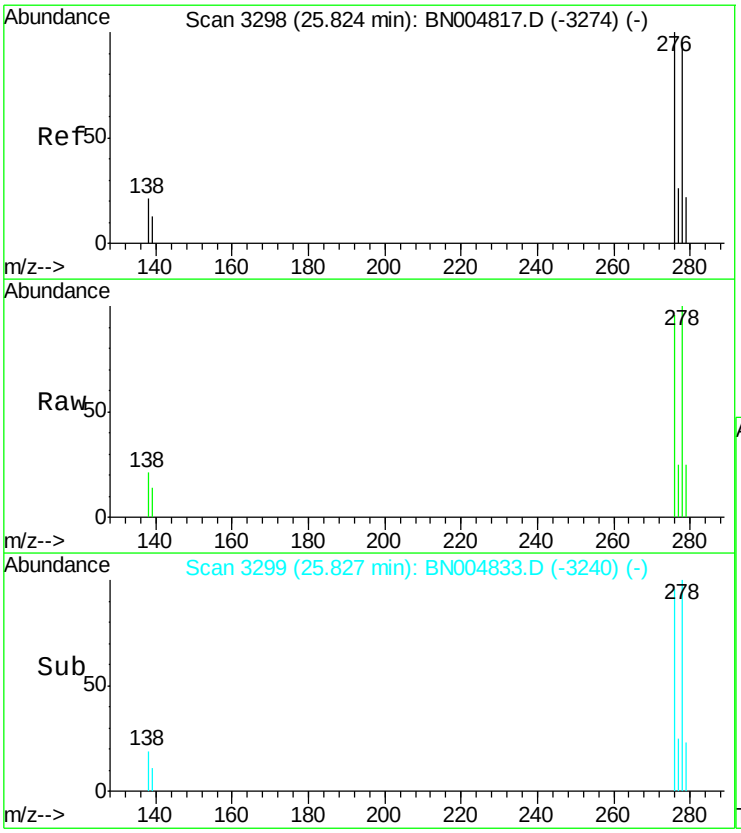
#37
Benzo(a)pyrene
Concen: 0.396 ng
RT: 23.45 min Scan# 2603
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Instrument :
BNA_N
ClientSampleId :
PB118052BSD

Tgt Ion:252 Resp: 21926

Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.7	29.5
125	10.1	8.3	12.5

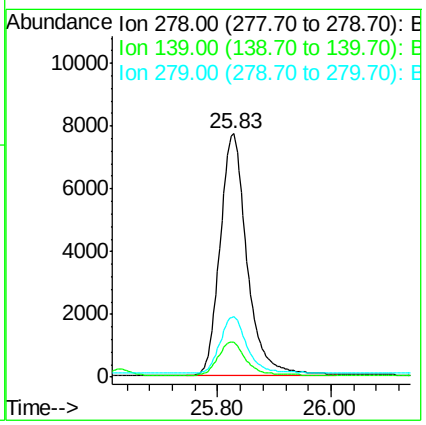


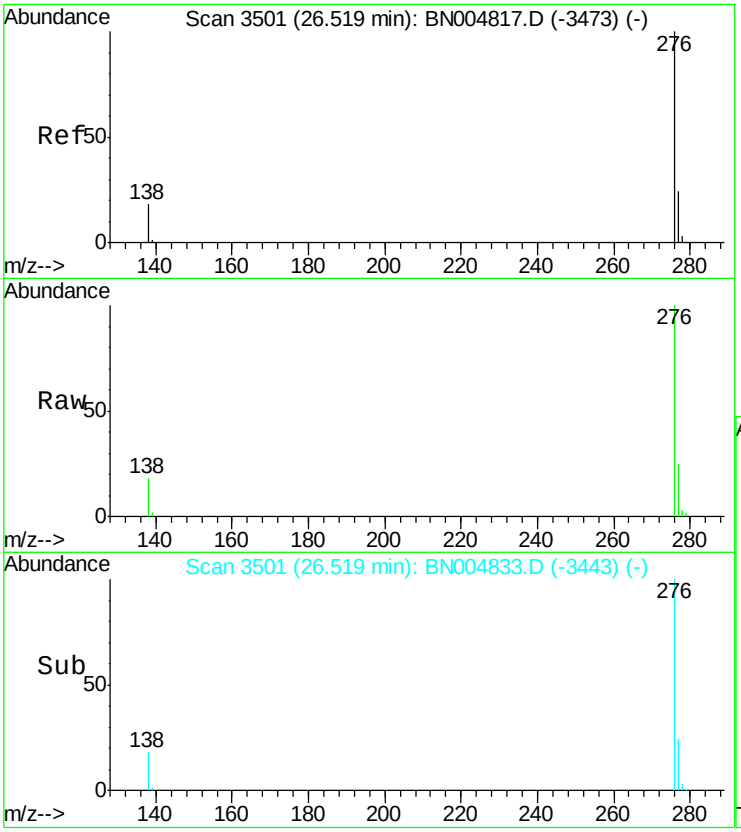


#38
Dibenzo(a,h)anthracene
Concen: 0.398 ng
RT: 25.83 min Scan# 3299
Delta R.T. 0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Tgt Ion:278 Resp: 25525

Ion	Ratio	Lower	Upper
278	100		
139	14.4	11.7	17.5
279	24.8	19.9	29.9





#39
Benzo(g,h,i)perylene
Concen: 0.398 ng
RT: 26.52 min Scan# 3501
Delta R.T. -0.00 min
Lab File: BN004833.D
Acq: 20 Mar 2019 23:29

Instrument :
BNA_N
ClientSampleId :
PB118052BSD

Tgt Ion:276 Resp: 25969

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.7	29.5
138	18.2	14.6	22.0