Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN103118\
Data File : BN003368.D
Acq On : 31 Oct 2018 15:29
Operator : MJ/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

Quant Time: Oct 31 16:34:47 2018
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 29 16:15:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	12677	0.40	ng		-0.02
7) Naphthalene-d8	10.64	136	54140	0.40	ng		-0.03
13) Acenaphthene-d10	14.49	164	32489	0.40	ng		-0.01
19) Phenanthrene-d10	17.23	188	78621	0.40	ng		-0.01
27) Chrysene-d12	21.42	240	92213	0.40	ng		0.00
34) Perylene-d12	23.73	264	81900	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.41	112	11964	0.38	ng		-0.02
5) Phenol-d6	7.00	99	14792	0.37	ng		-0.02
8) Nitrobenzene-d5	9.01	82	11810	0.50	ng		-0.01
11) 2-Methylnaphthalene-d10	12.23	152	34253	0.39	ng		-0.02
14) 2,4,6-Tribromophenol	15.97	330	5129	0.40	ng		-0.01
15) 2-Fluorobiphenyl	13.11	172	52264	0.37	ng		-0.02
25) Fluoranthene-d10	19.26	212	85168	0.37	ng		0.00
29) Terphenyl-d14	19.85	244	77732	0.36	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.34	88	6585	0.401	ng		94
3) n-Nitrosodimethylamine	3.67	42	3453	0.457	ng	#	93
6) bis(2-Chloroethyl)ether	7.27	93	14247	0.403	ng		96
9) Naphthalene	10.69	128	51638	0.390	ng		99
10) Hexachlorobutadiene	10.97	225	9370	0.387	ng	#	100
12) 2-Methylnaphthalene	12.31	142	35870	0.388	ng		97
16) Acenaphthylene	14.21	152	51819	0.358	ng		100
17) Acenaphthene	14.54	154	38636	0.385	ng		99
18) Fluorene	15.54	166	46916	0.374	ng		100
20) 4-Bromophenyl-phenylether	16.42	248	17523	0.385	ng	#	83
21) Hexachlorobenzene	16.53	284	19192	0.400	ng		98
22) Pentachlorophenol	16.87	266	6574	0.505	ng		98
23) Phenanthrene	17.27	178	82878	0.384	ng		100
24) Anthracene	17.37	178	67228	0.363	ng		100
26) Fluoranthene	19.29	202	92991	0.375	ng		100
28) Pyrene	19.65	202	95260	0.374	ng		100
30) Benzo(a)anthracene	21.40	228	87310	0.361	ng		99
31) Chrysene	21.45	228	95389	0.366	ng		99
32) Bis(2-ethylhexyl)phthalate	21.31	149	27520	0.385	ng		100
33) Indeno(1,2,3-cd)pyrene	26.09	276	93683	0.347	ng		98
35) Benzo(b)fluoranthene	23.02	252	102323	0.400	ng	#	95
36) Benzo(k)fluoranthene	23.08	252	95335	0.377	ng		100
37) Benzo(a)pyrene	23.63	252	89616	0.385	ng	#	91
38) Dibenzo(a,h)anthracene	26.10	278	77789	0.359	ng		99
39) Benzo(g,h,i)perylene	26.81	276	75822	0.350	ng		99

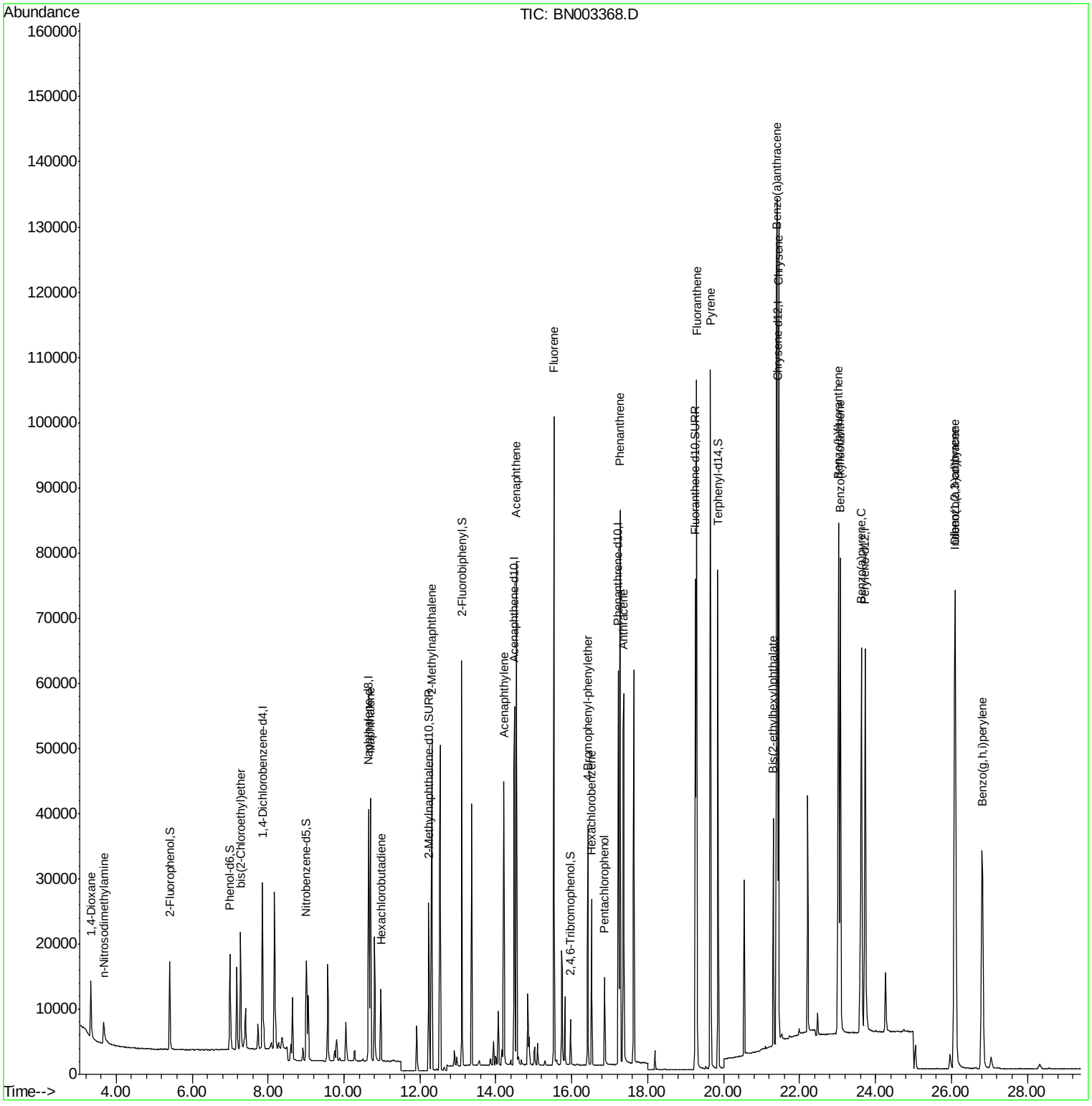
(#) = qualifier out of range (m) = manual integration (+) = signals summed

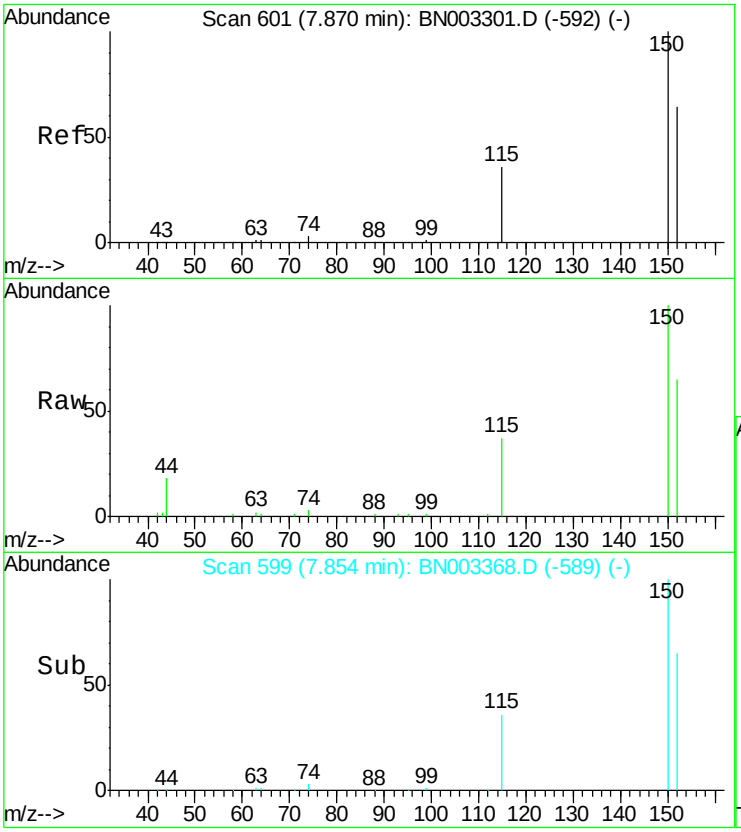
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN103118\
Data File : BN003368.D
Acq On : 31 Oct 2018 15:29
Operator : MJ/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Oct 31 16:34:47 2018
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 29 16:15:49 2018
Response via : Initial Calibration



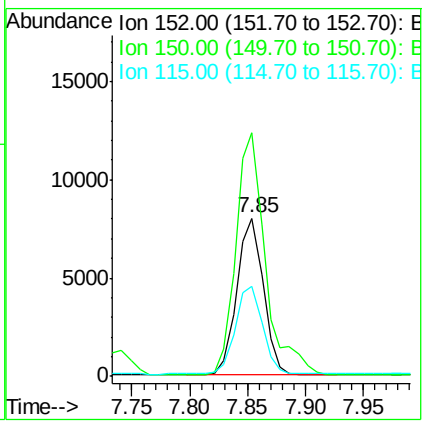


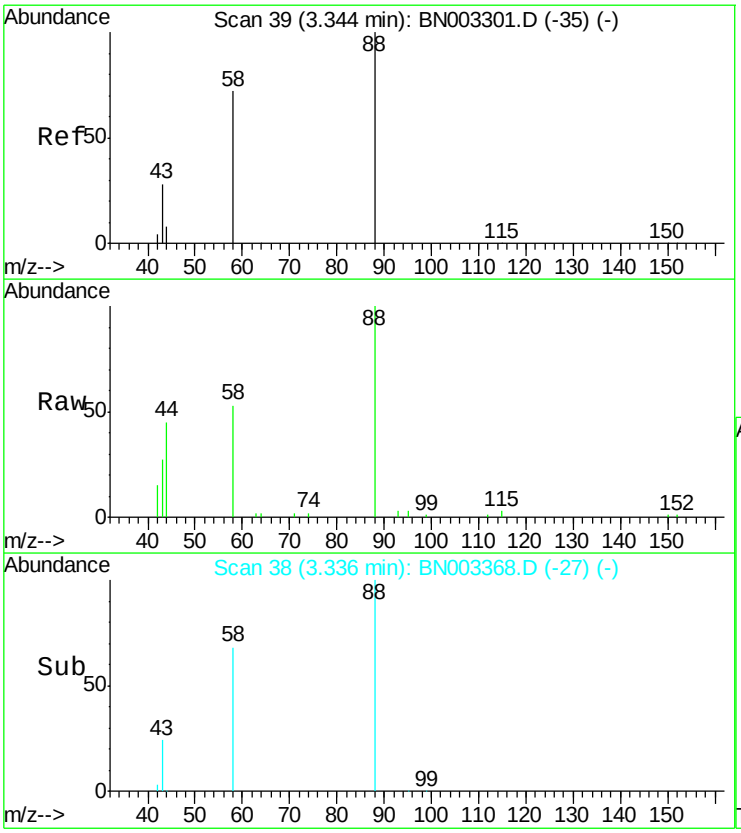
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 599
Delta R.T. -0.02 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 12677

Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.6	187.0
115	56.7	46.4	69.6

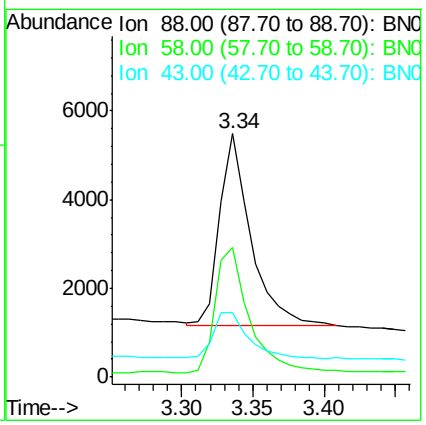


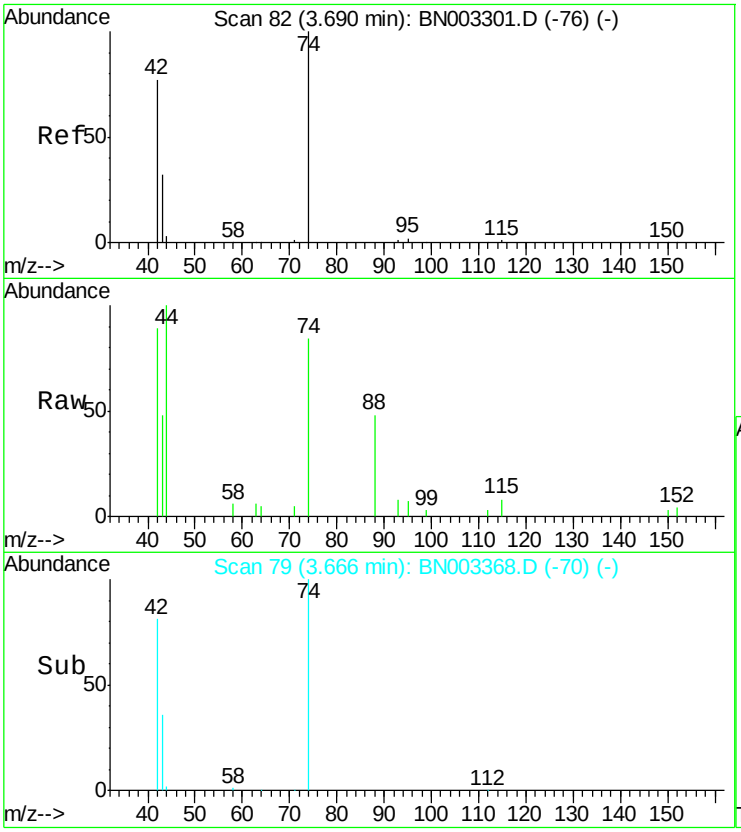


#2
1,4-Dioxane
Concen: 0.401 ng
RT: 3.34 min Scan# 38
Delta R.T. -0.01 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Tgt Ion: 88 Resp: 6585

Ion	Ratio	Lower	Upper
88	100		
58	70.4	60.9	91.3
43	27.9	23.9	35.9



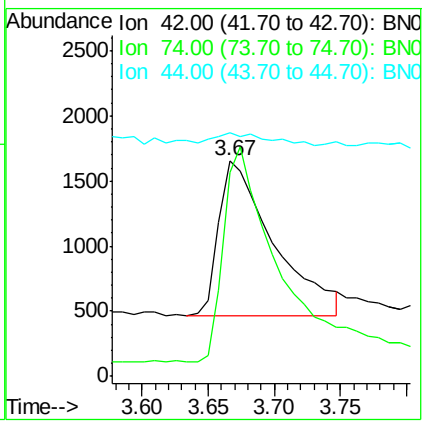


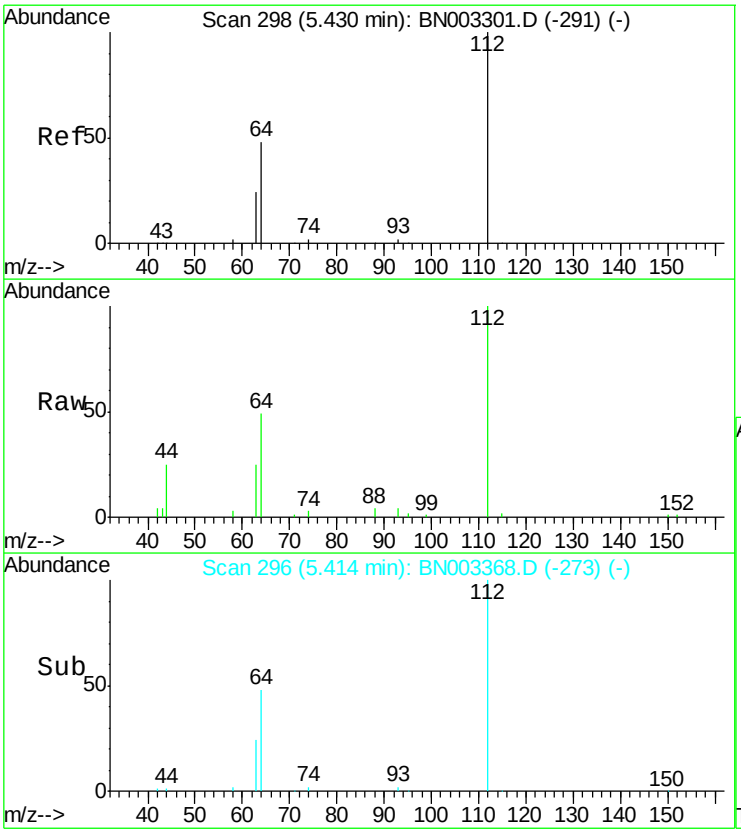
#3
n-Nitrosodimethylamine
Concen: 0.457 ng
RT: 3.67 min Scan# 79
Delta R.T. -0.02 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 3453

Ion	Ratio	Lower	Upper
42	100		
74	131.8	99.1	148.7
44	8.2	4.2	6.4#

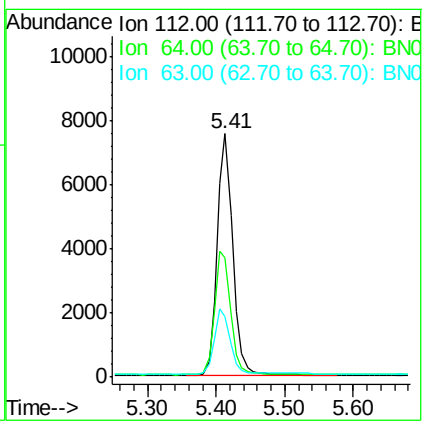


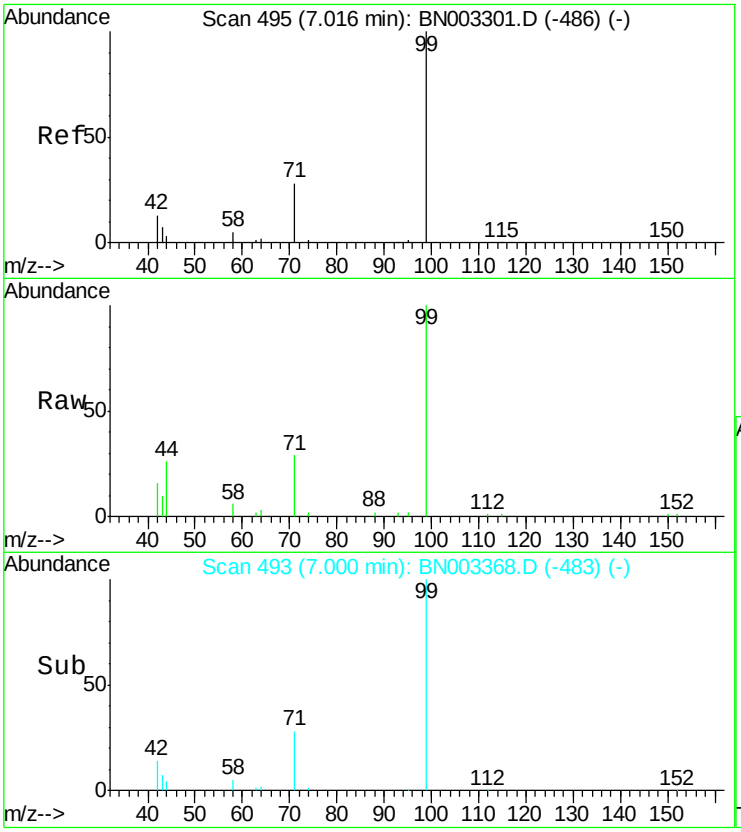


#4
2-Fluorophenol
Concen: 0.381 ng
RT: 5.41 min Scan# 296
Delta R.T. -0.02 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Tgt Ion:112 Resp: 11964

Ion	Ratio	Lower	Upper
112	100		
64	53.3	44.3	66.5
63	27.1	22.4	33.6



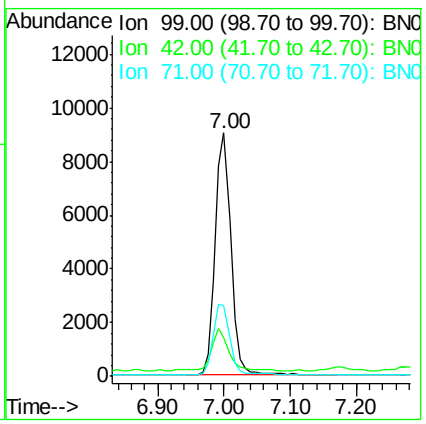


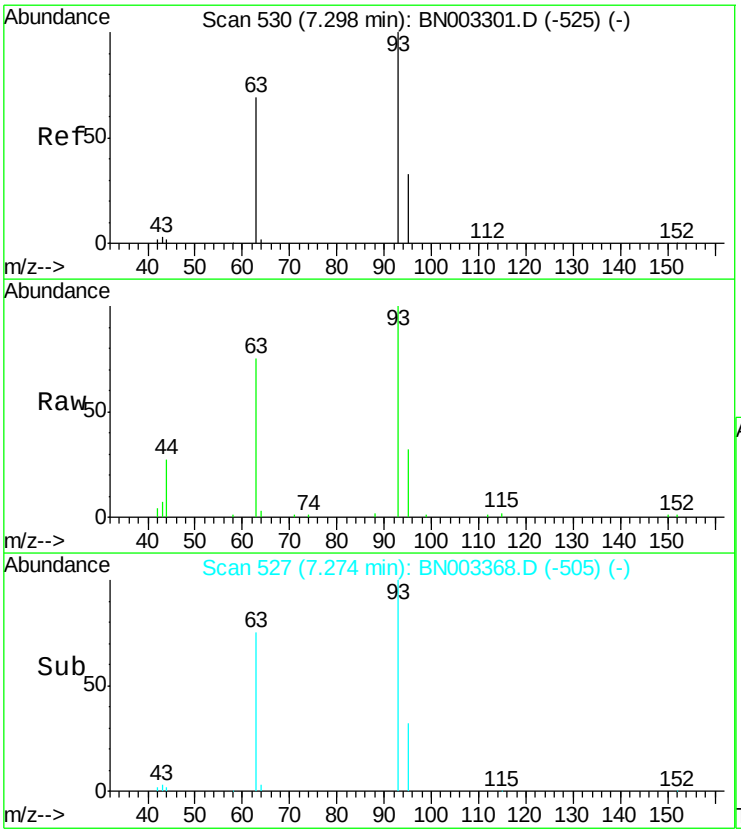
#5
Phenol-d6
Concen: 0.373 ng
RT: 7.00 min Scan# 493
Delta R.T. -0.02 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 14792

Ion	Ratio	Lower	Upper
99	100		
42	18.0	14.8	22.2
71	30.2	24.8	37.2

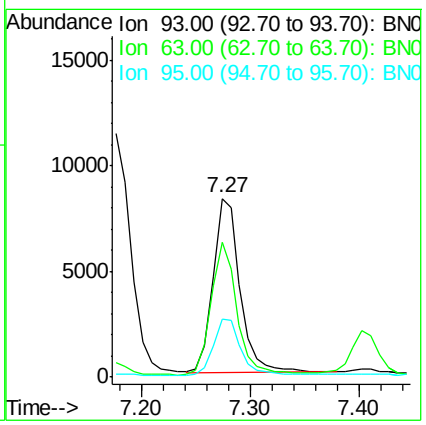


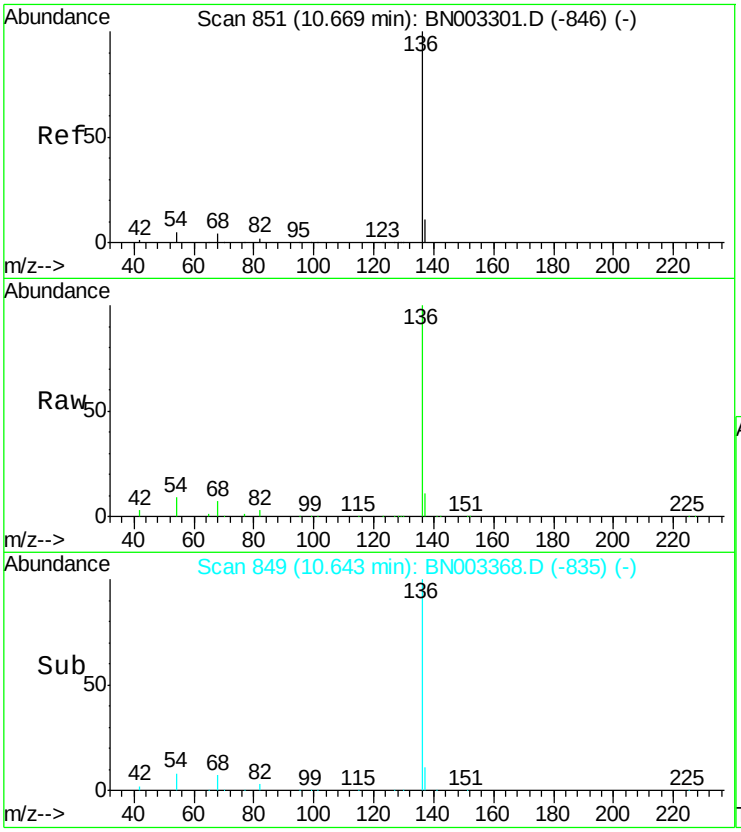


#6
bis(2-Chloroethyl)ether
Concen: 0.403 ng
RT: 7.27 min Scan# 527
Delta R.T. -0.02 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Tgt Ion: 93 Resp: 14247

Ion	Ratio	Lower	Upper
93	100		
63	73.2	55.8	83.6
95	33.0	25.4	38.2



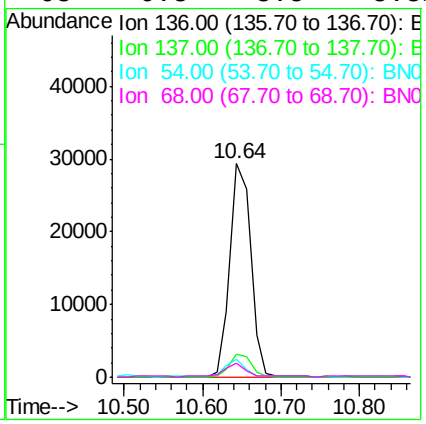


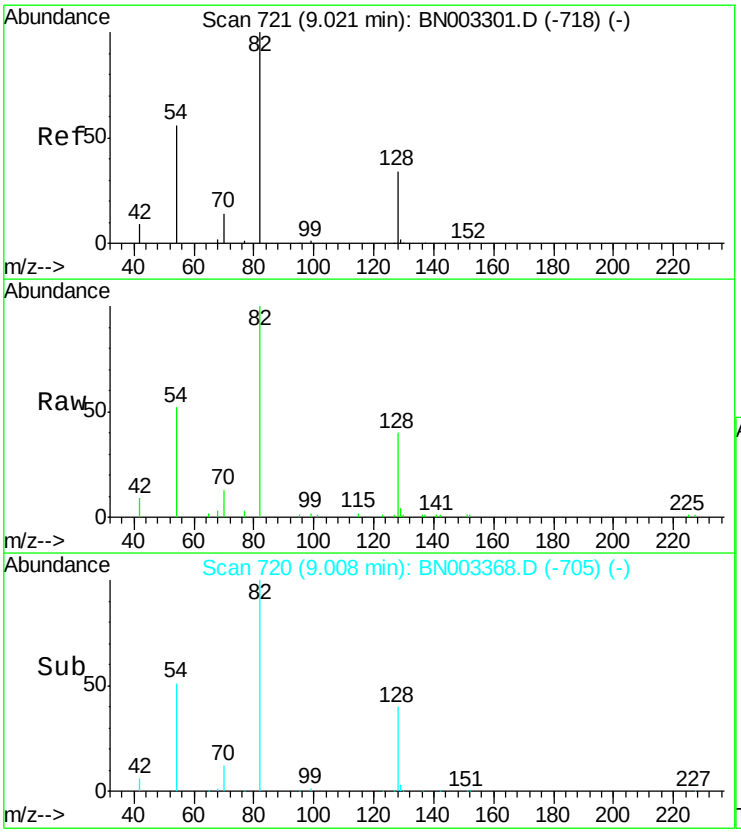
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.64 min Scan# 849
Delta R.T. -0.03 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 54140

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	8.5	4.1	6.1#
68	6.8	3.5	5.3#

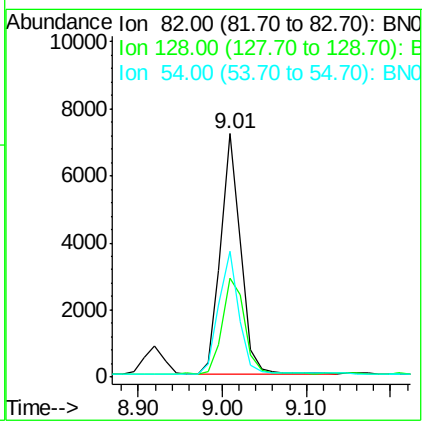


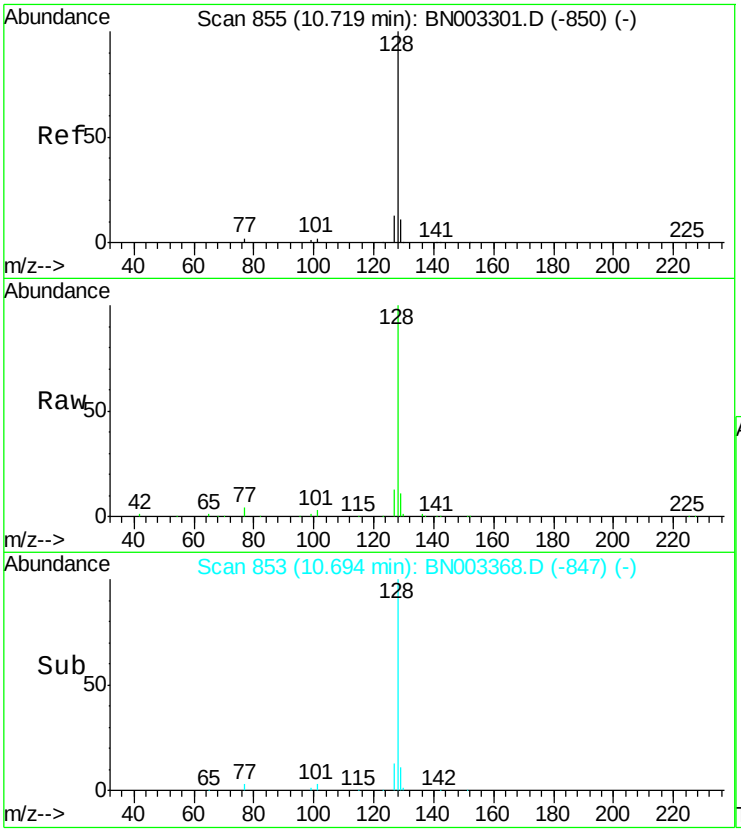


#8
Nitrobenzene-d5
Concen: 0.498 ng
RT: 9.01 min Scan# 720
Delta R.T. -0.01 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Tgt Ion: 82 Resp: 11810

Ion	Ratio	Lower	Upper
82	100		
128	40.5	28.9	43.3
54	51.6	46.1	69.1



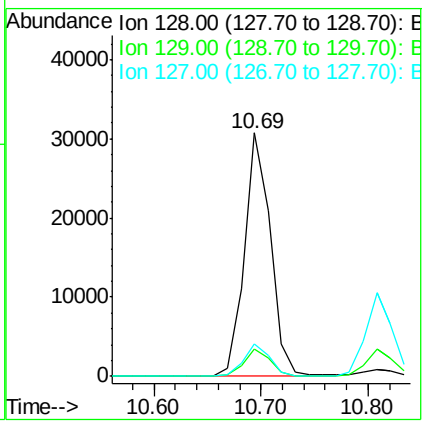


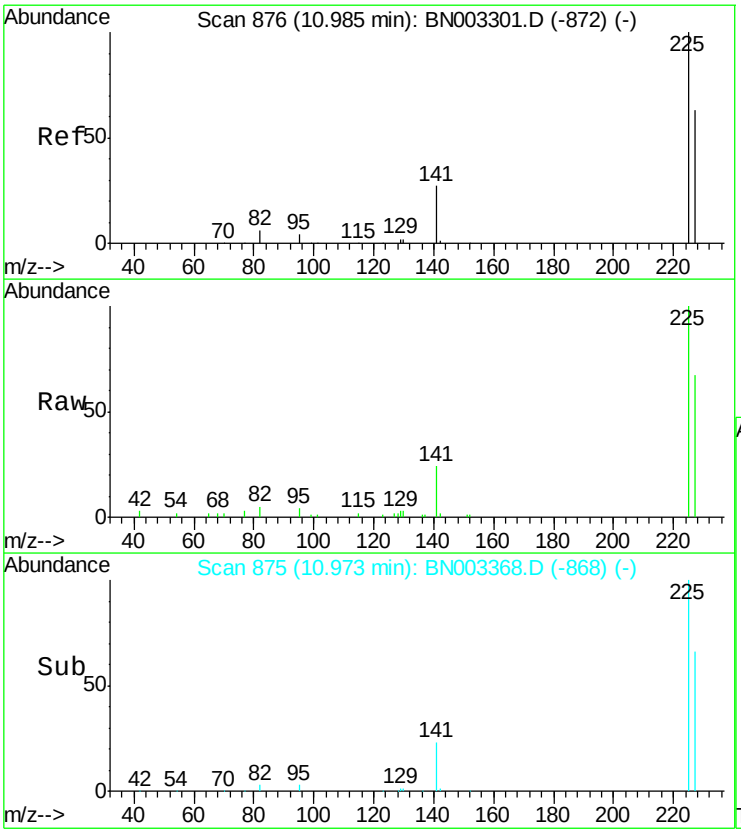
#9
Naphthalene
Concen: 0.390 ng
RT: 10.69 min Scan# 853
Delta R.T. -0.03 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 51638

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.1	13.7
127	13.1	10.2	15.4

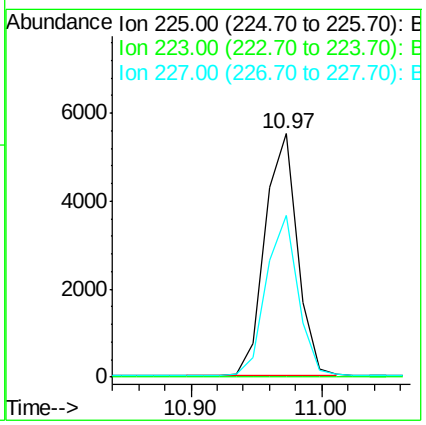


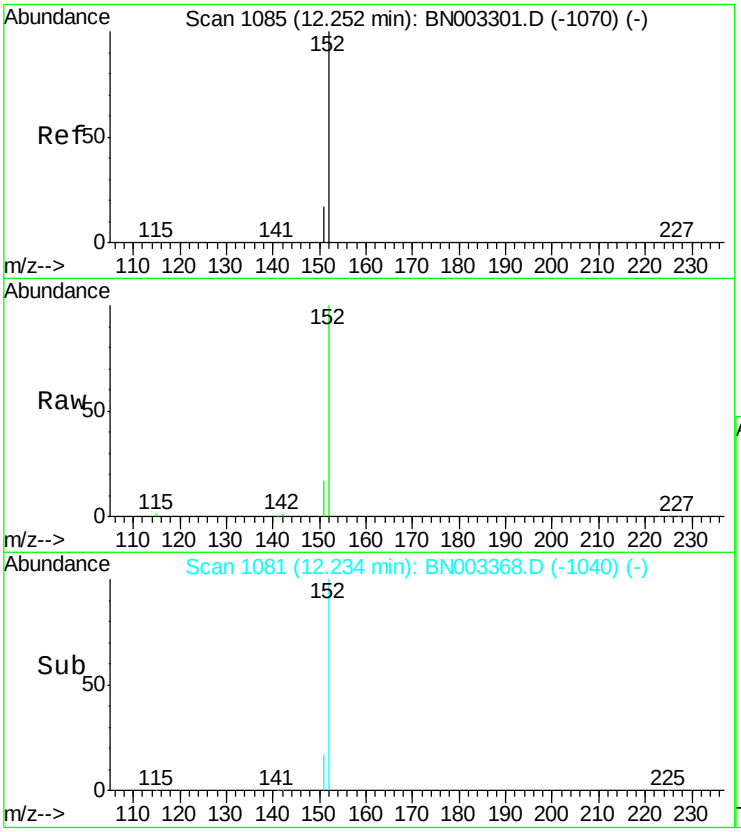


#10
Hexachlorobutadiene
Concen: 0.387 ng
RT: 10.97 min Scan# 875
Delta R.T. -0.01 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Tgt Ion:225 Resp: 9370

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.5	51.3	76.9



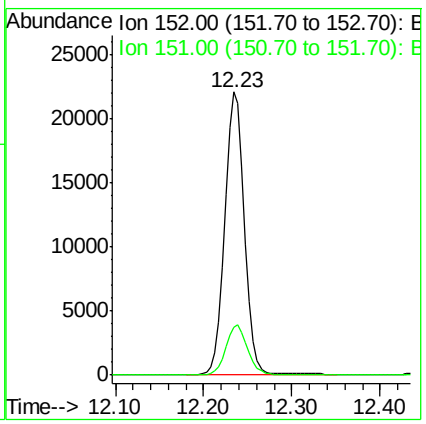


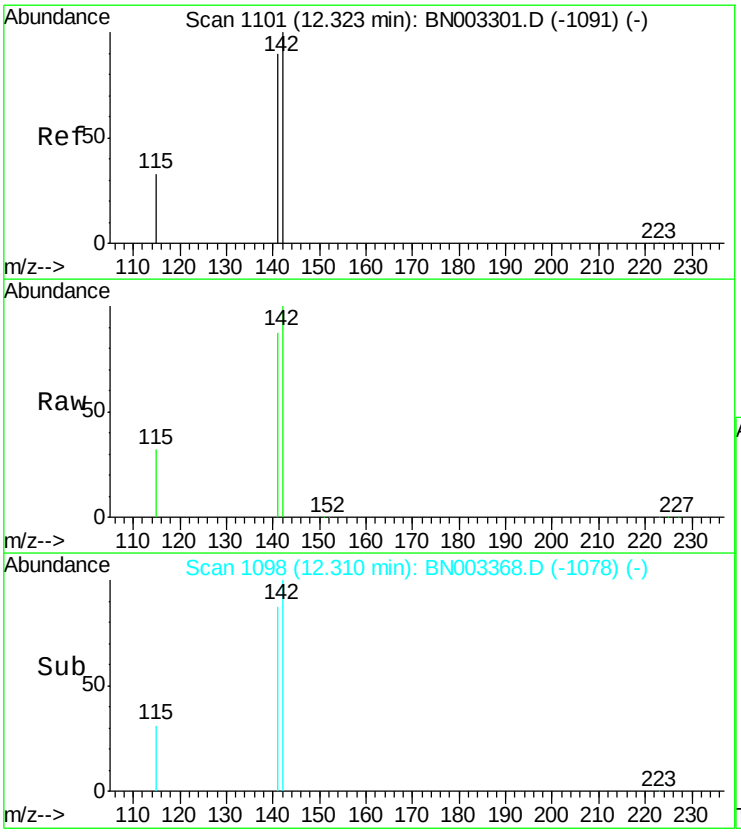
#11
2-Methylnaphthalene-d10
Concen: 0.389 ng
RT: 12.23 min Scan# 1081
Delta R.T. -0.02 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 34253

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.1	22.7

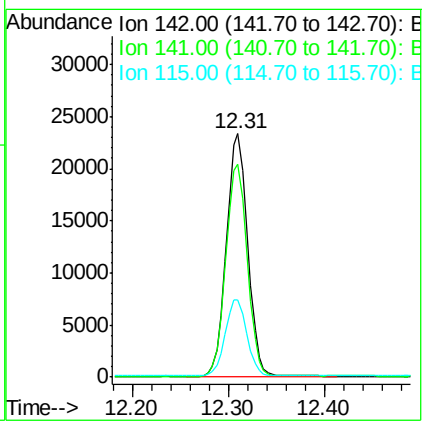


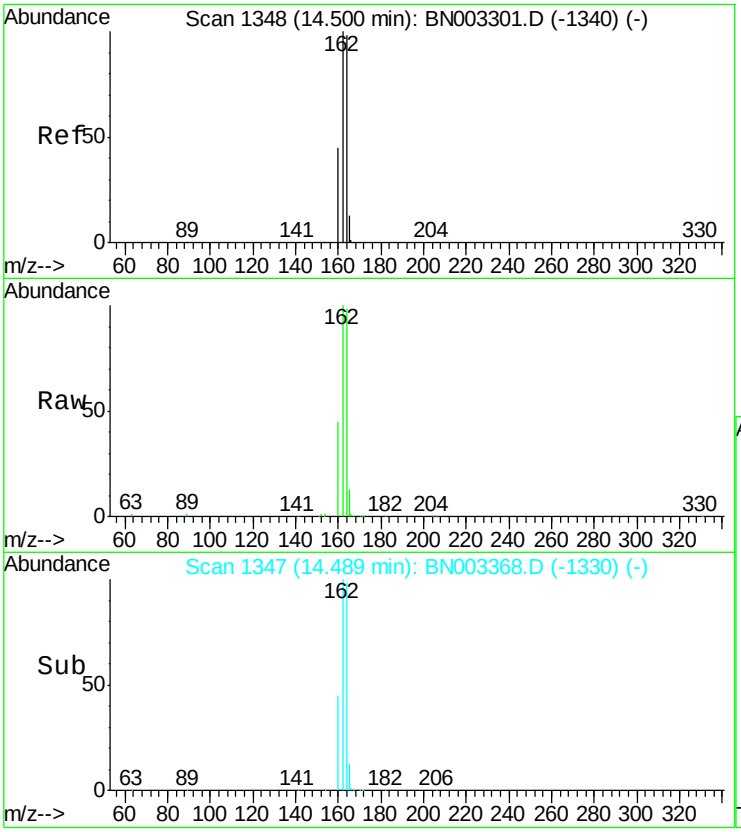


#12
2-Methylnaphthalene
Concen: 0.388 ng
RT: 12.31 min Scan# 1098
Delta R.T. -0.01 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Tgt Ion:142 Resp: 35870

Ion	Ratio	Lower	Upper
142	100		
141	87.3	71.9	107.9
115	31.8	27.0	40.6



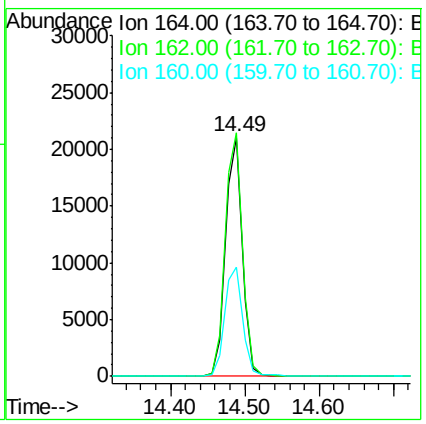


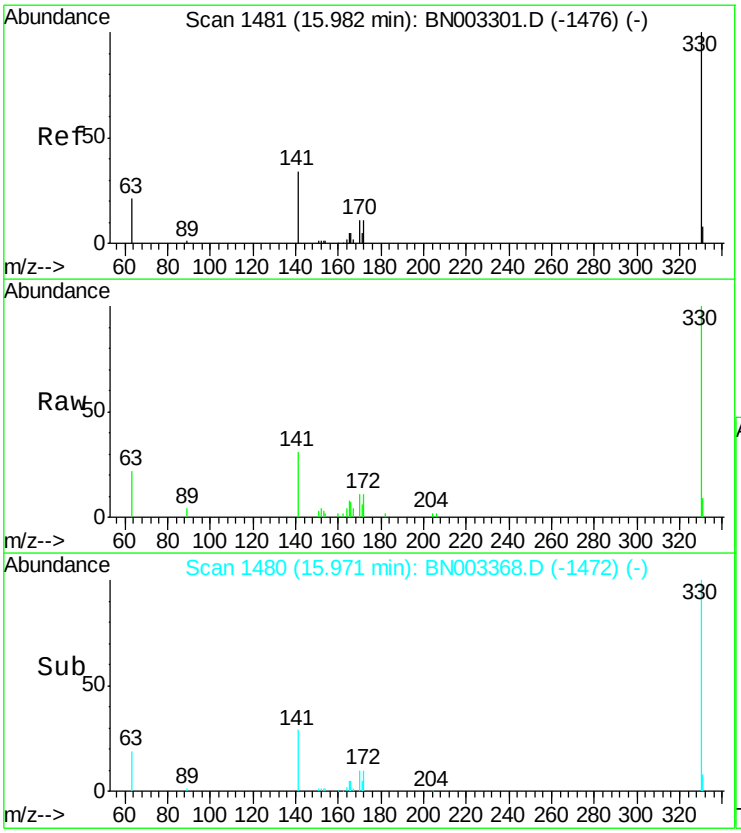
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 32489

Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.8	122.6
160	45.7	37.2	55.8

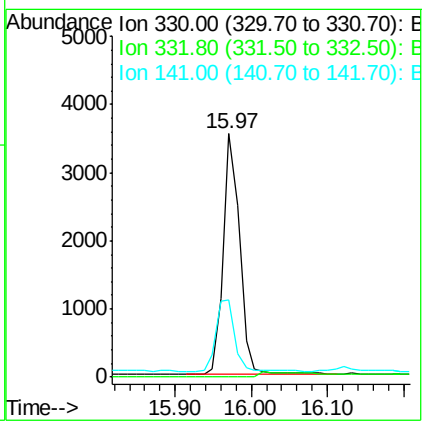


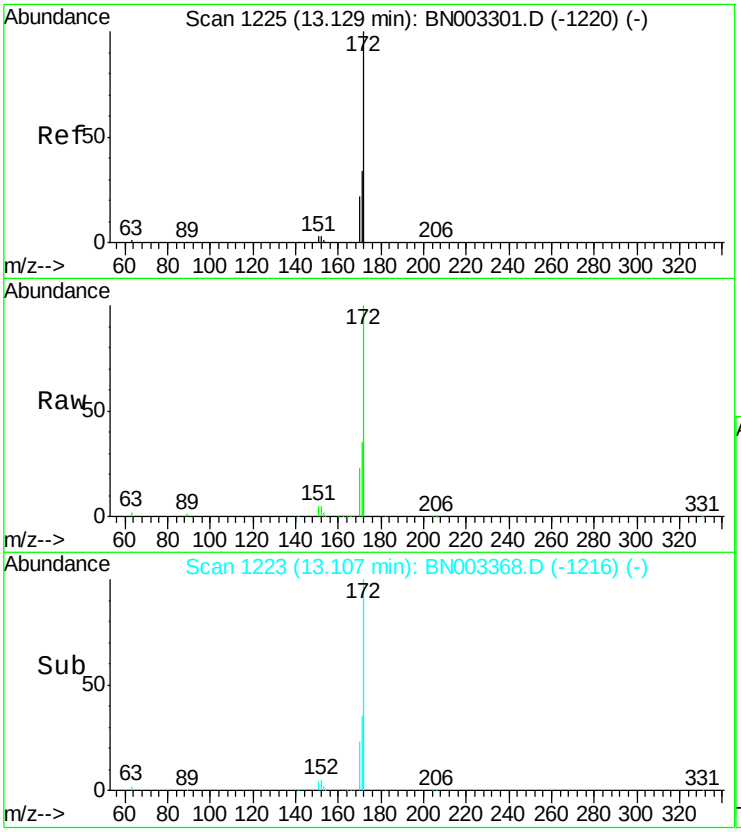


#14
2,4,6-Tribromophenol
Concen: 0.397 ng
RT: 15.97 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Tgt Ion:330 Resp: 5129

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	34.5	28.3	42.5



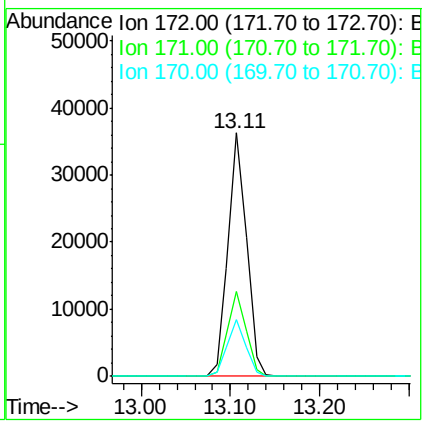


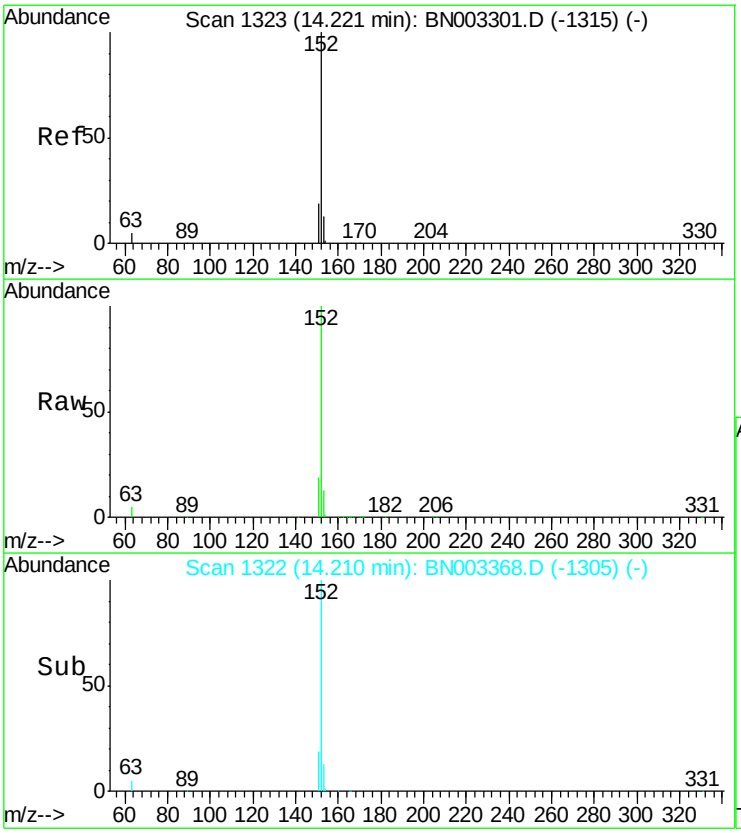
#15
2-Fluorobiphenyl
Concen: 0.374 ng
RT: 13.11 min Scan# 1223
Delta R.T. -0.02 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 52264

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.1	40.7
170	23.1	17.4	26.0

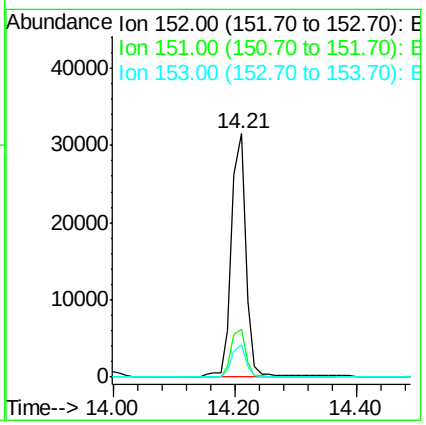


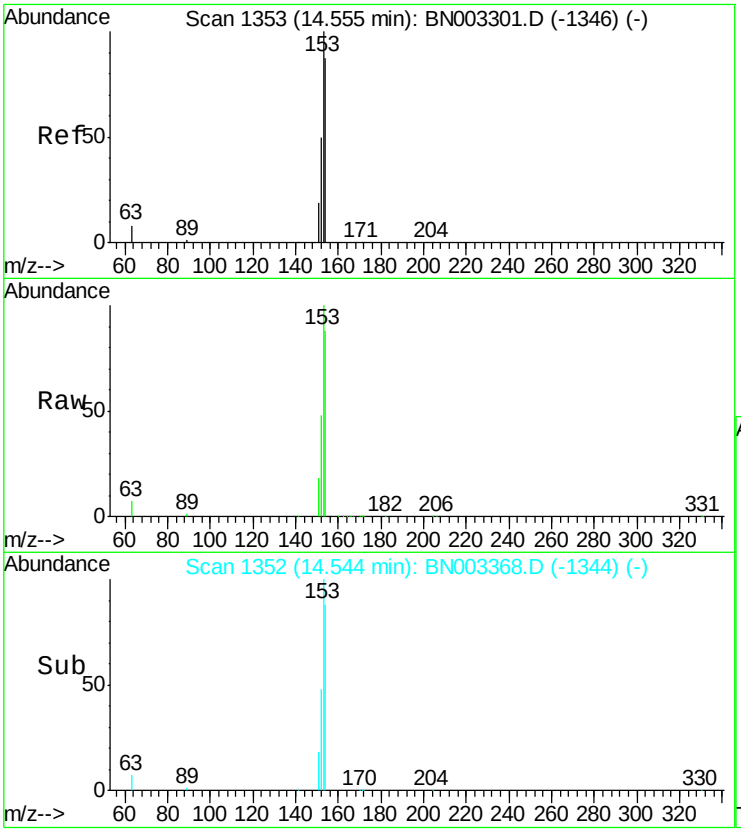


#16
Acenaphthylene
Concen: 0.358 ng
RT: 14.21 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Tgt Ion:152 Resp: 51819

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.0	10.6	15.8



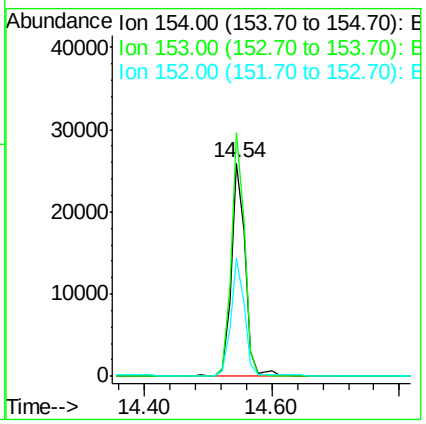


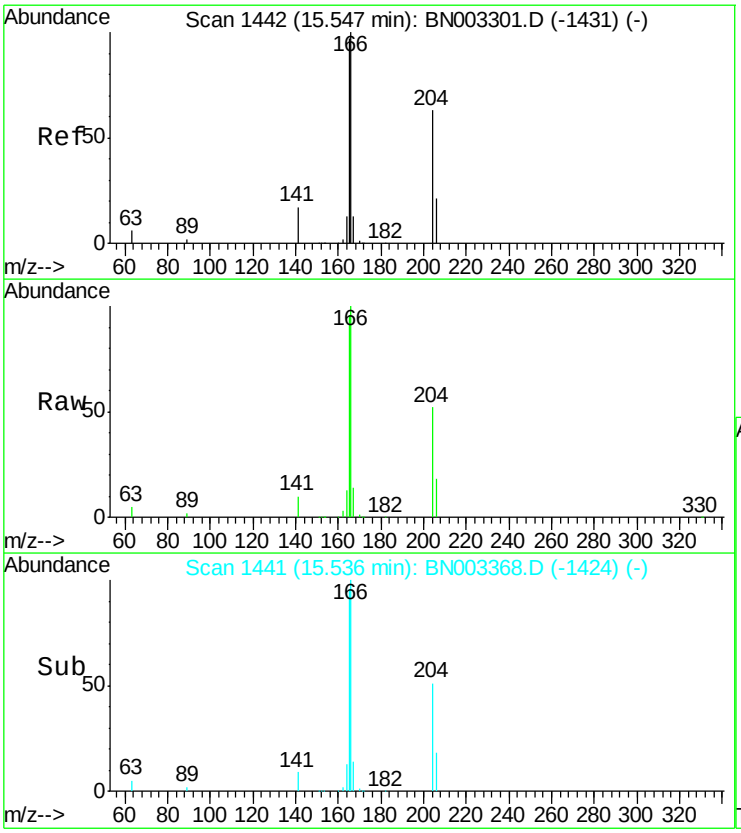
#17
Acenaphthene
Concen: 0.385 ng
RT: 14.54 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 38636

Ion	Ratio	Lower	Upper
154	100		
153	110.3	88.9	133.3
152	53.9	43.5	65.3

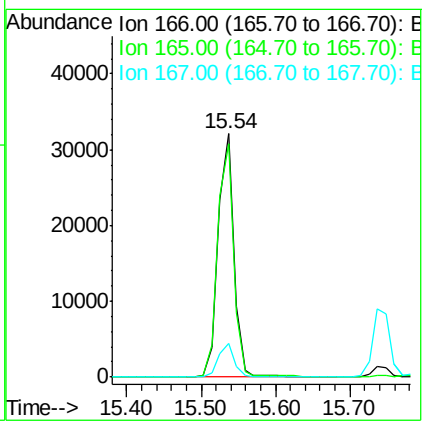


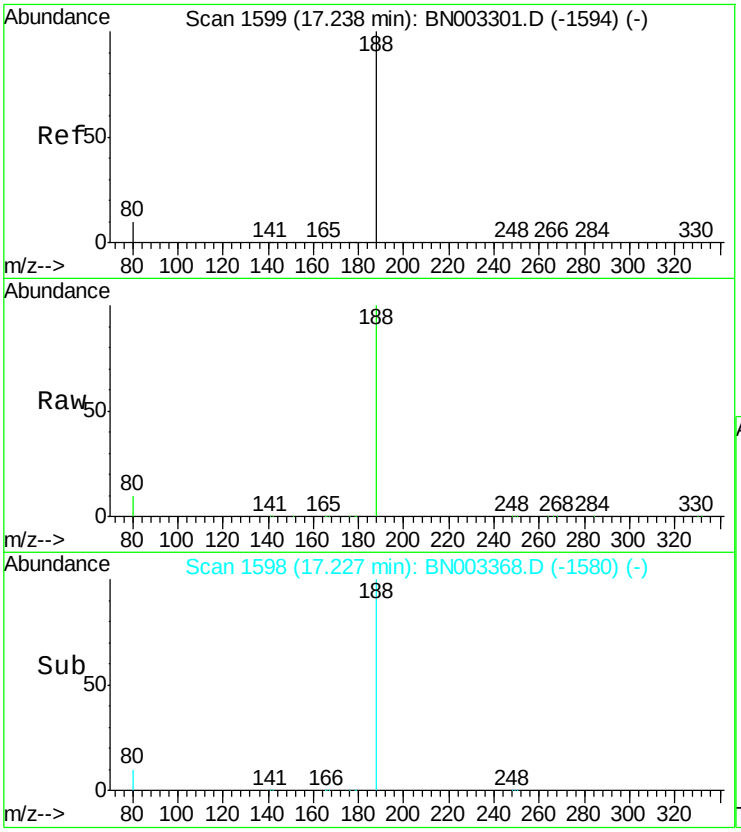


#18
Fluorene
Concen: 0.374 ng
RT: 15.54 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Tgt Ion:166 Resp: 46916

Ion	Ratio	Lower	Upper
166	100		
165	97.8	77.8	116.8
167	13.5	10.9	16.3



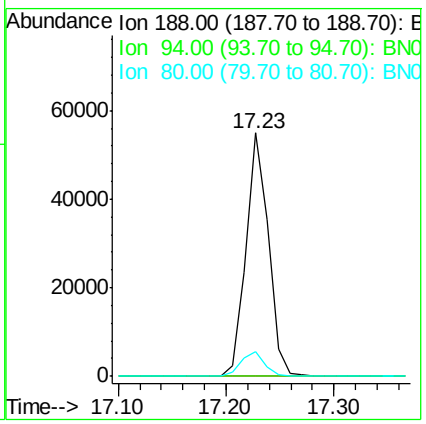


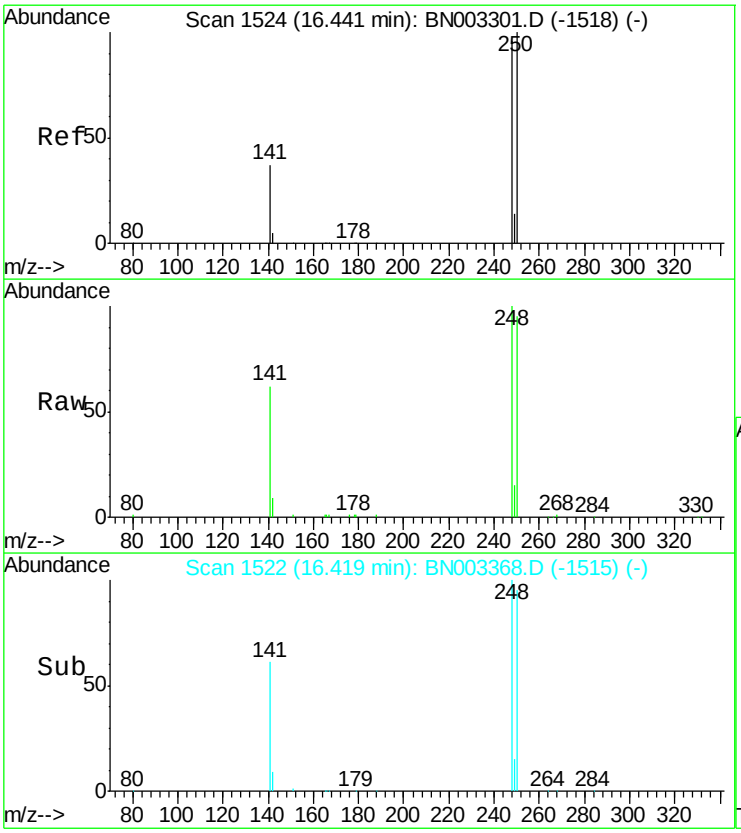
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 78621

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.9	8.6	12.8

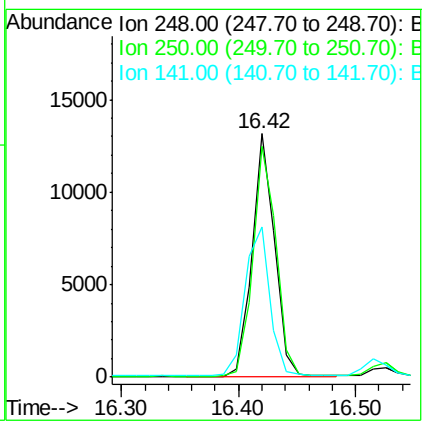


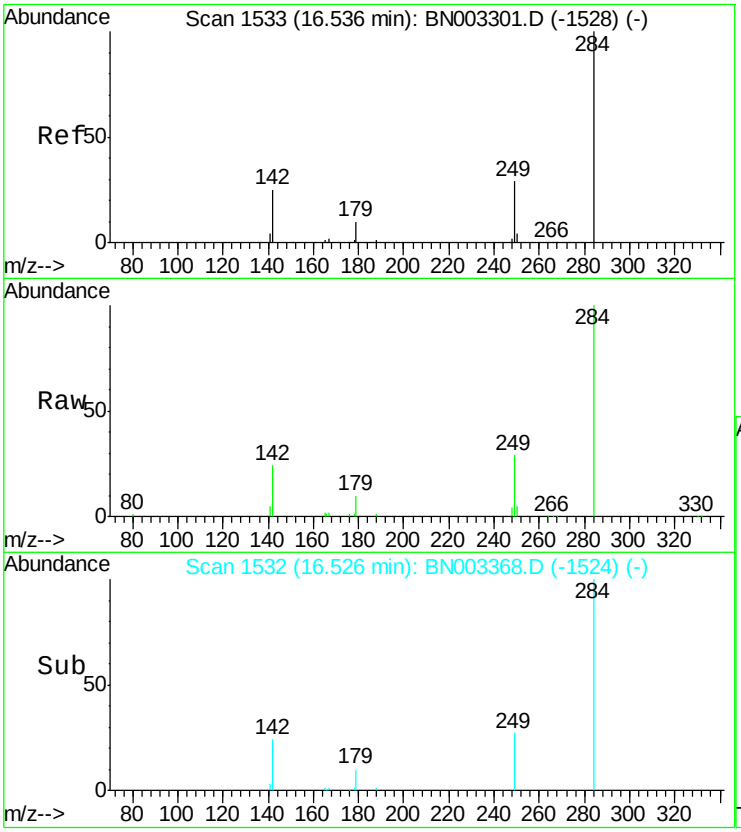


#20
4-Bromophenyl-phenylether
Concen: 0.385 ng
RT: 16.42 min Scan# 1522
Delta R.T. -0.02 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Tgt Ion:248 Resp: 17523

Ion	Ratio	Lower	Upper
248	100		
250	95.0	83.7	125.5
141	61.6	31.4	47.0#



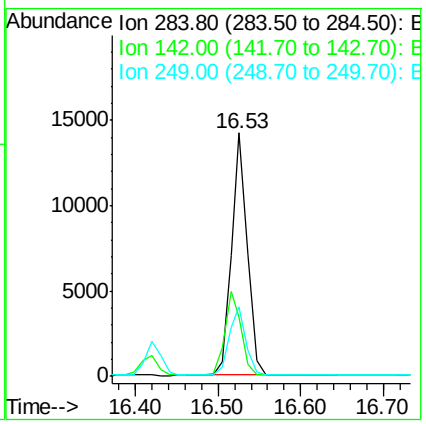


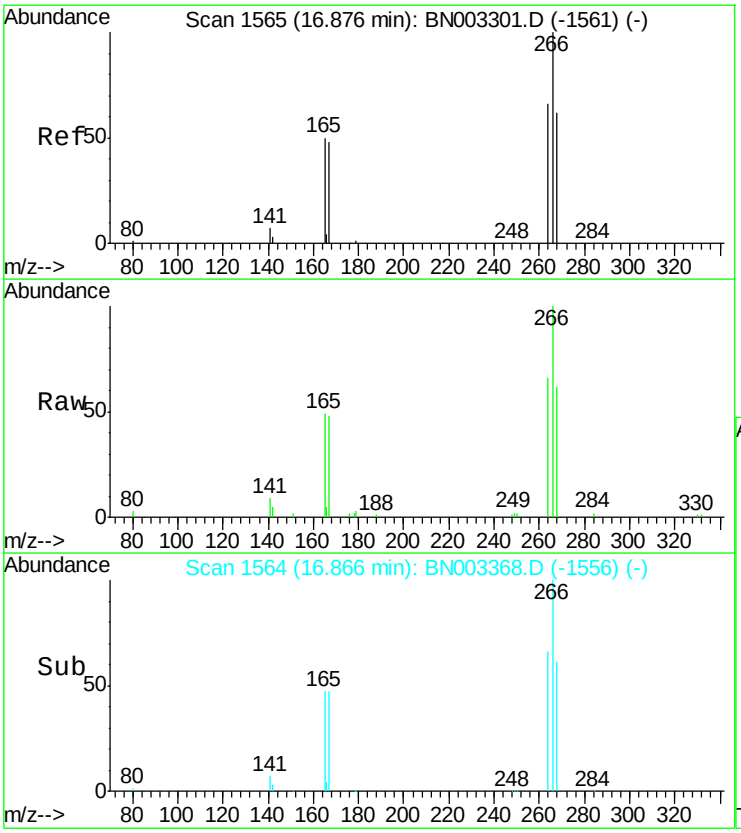
#21
Hexachlorobenzene
Concen: 0.400 ng
RT: 16.53 min Scan# 1532
Delta R.T. -0.01 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 19192

Ion	Ratio	Lower	Upper
284	100		
142	35.5	29.7	44.5
249	29.8	24.0	36.0

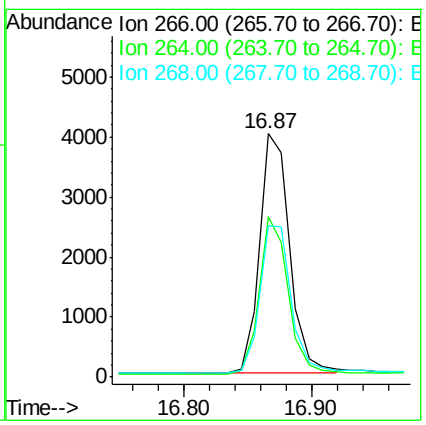


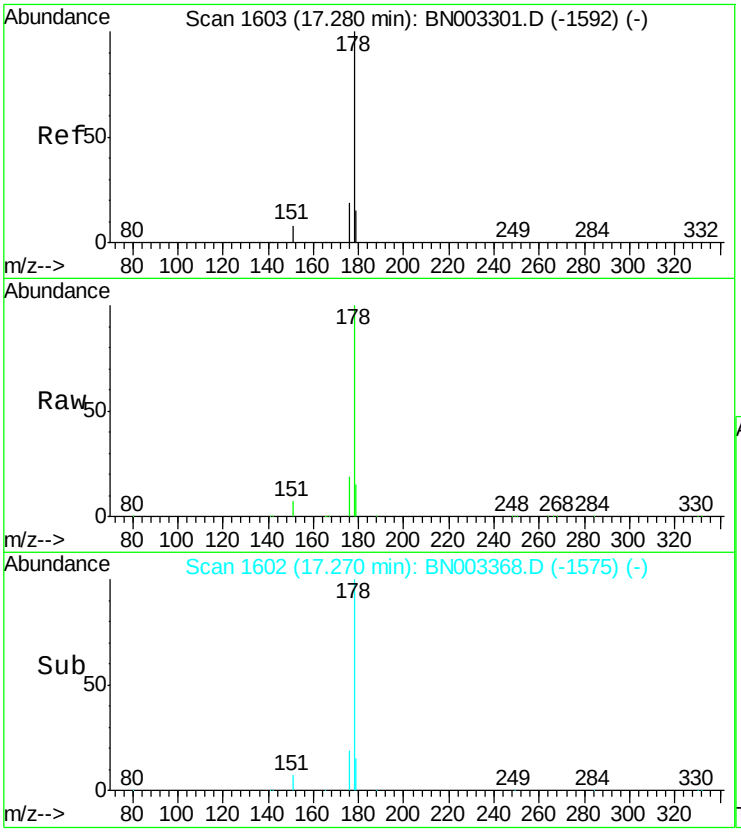


#22
Pentachlorophenol
Concen: 0.505 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Tgt Ion:266 Resp: 6574

Ion	Ratio	Lower	Upper
266	100		
264	65.9	52.1	78.1
268	62.2	51.8	77.6



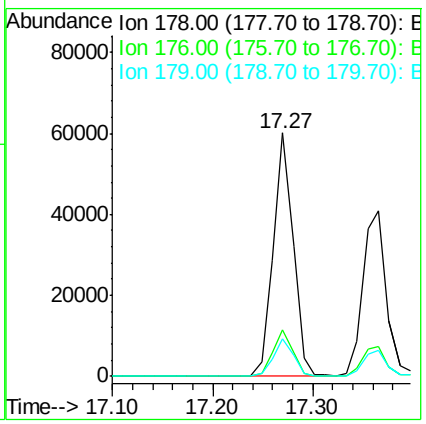


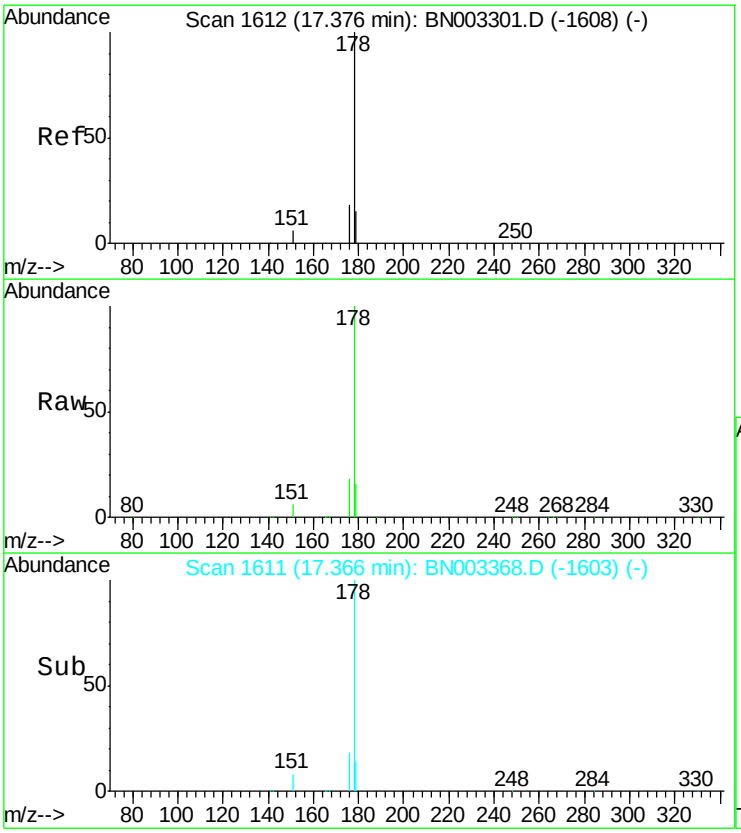
#23
Phenanthrene
Concen: 0.384 ng
RT: 17.27 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 82878

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.4	12.4	18.6

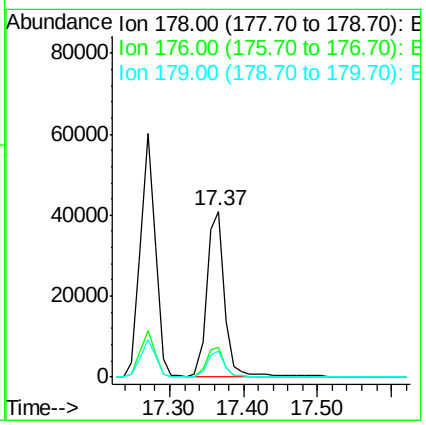


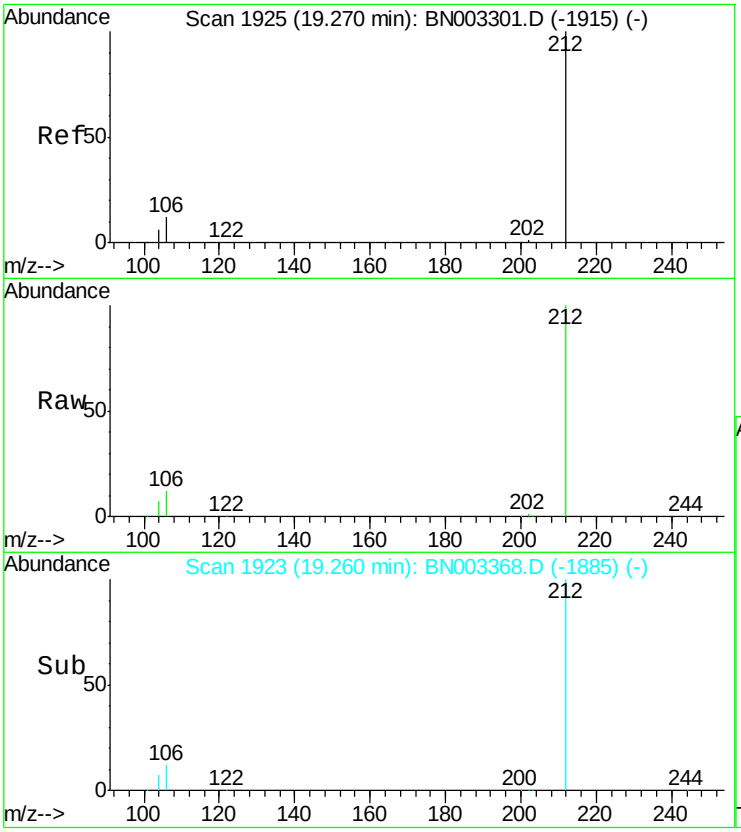


#24
Anthracene
Concen: 0.363 ng
RT: 17.37 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Tgt Ion:178 Resp: 67228

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.5	21.7
179	15.2	12.2	18.4



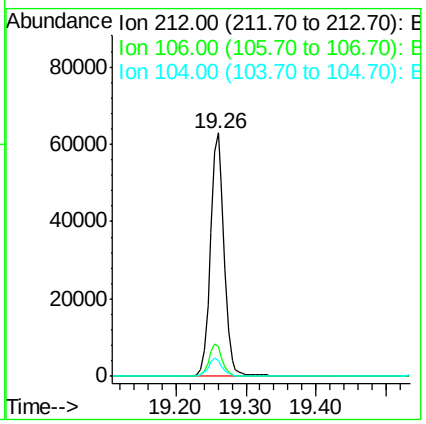


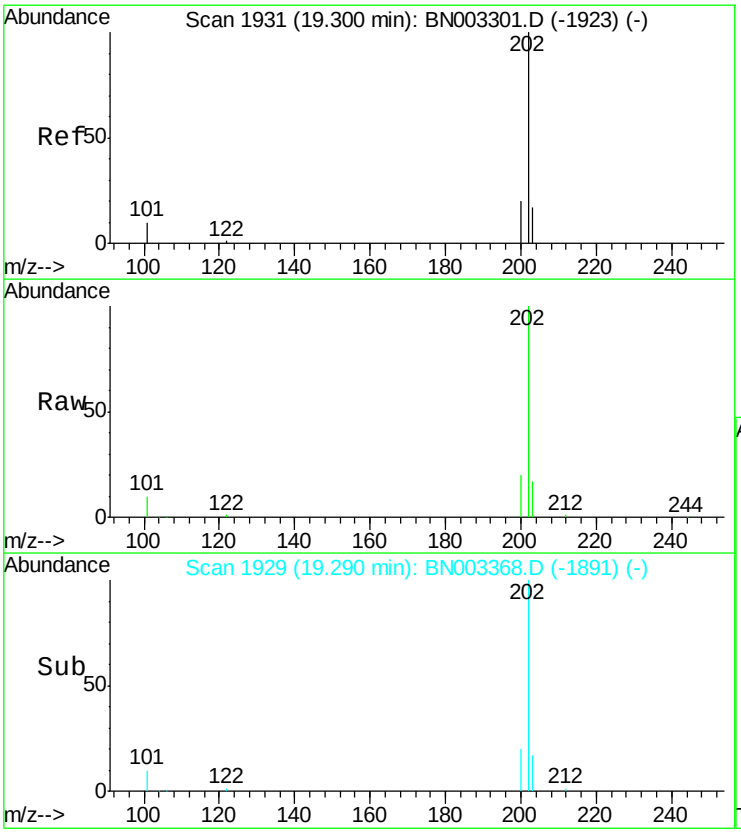
#25
Fluoranthene-d10
Concen: 0.373 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 85168

Ion	Ratio	Lower	Upper
212	100		
106	12.9	10.3	15.5
104	7.1	5.6	8.4

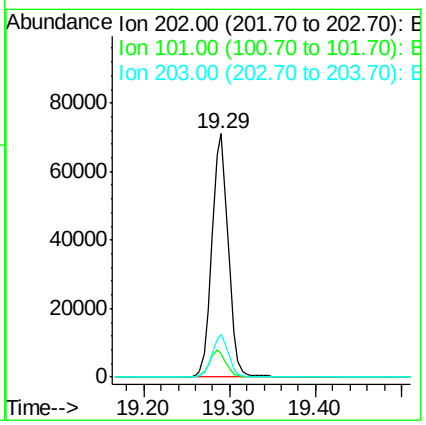


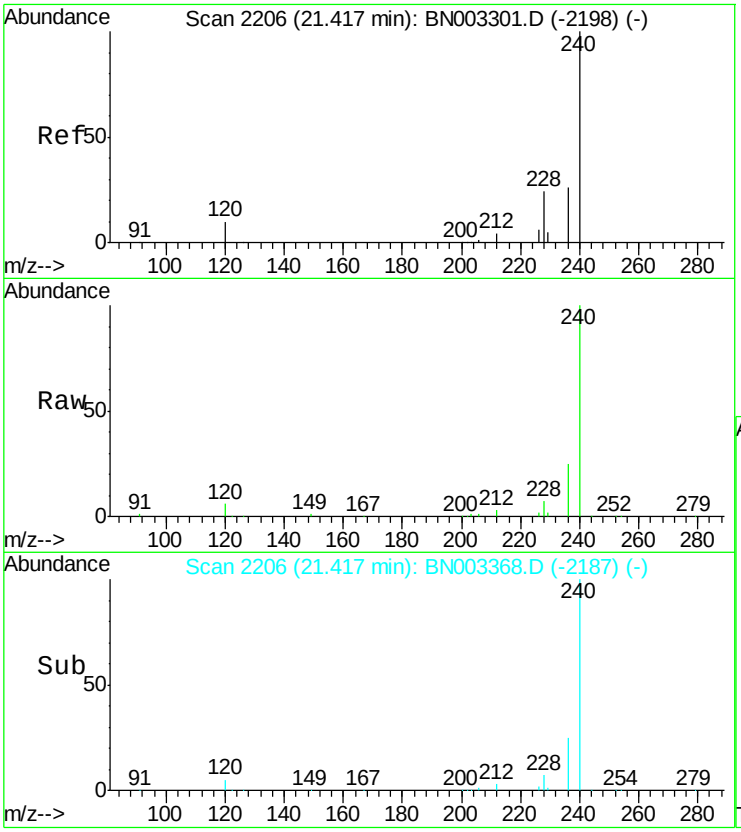


#26
Fluoranthene
Concen: 0.375 ng
RT: 19.29 min Scan# 1929
Delta R.T. -0.01 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Tgt Ion:202 Resp: 92991

Ion	Ratio	Lower	Upper
202	100		
101	11.2	9.0	13.4
203	17.2	13.8	20.6



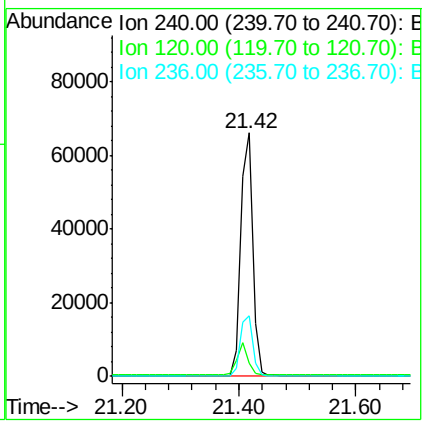


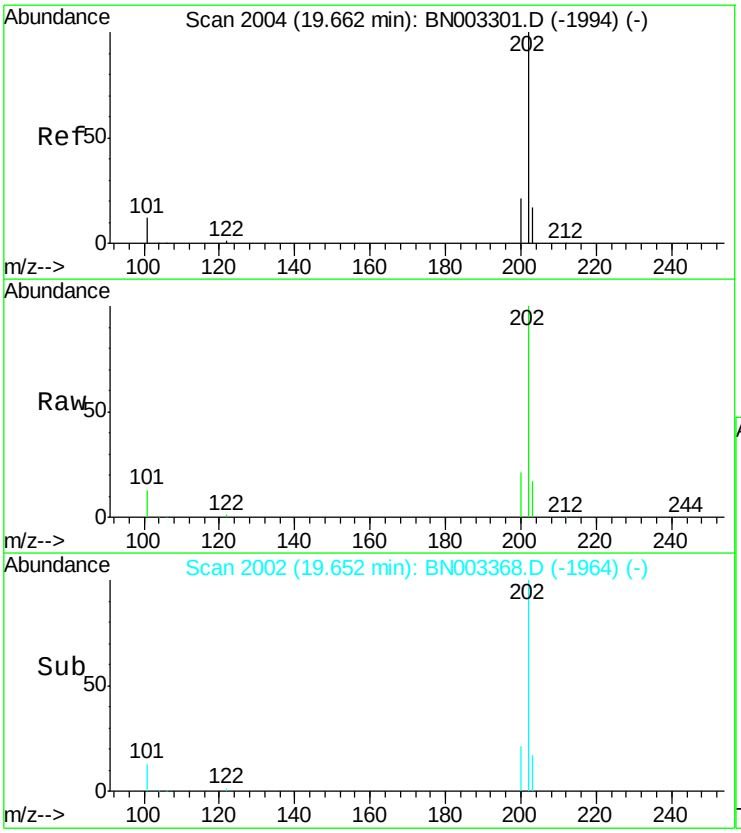
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.42 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 92213

Ion	Ratio	Lower	Upper
240	100		
120	5.6	9.3	13.9#
236	25.1	21.0	31.4

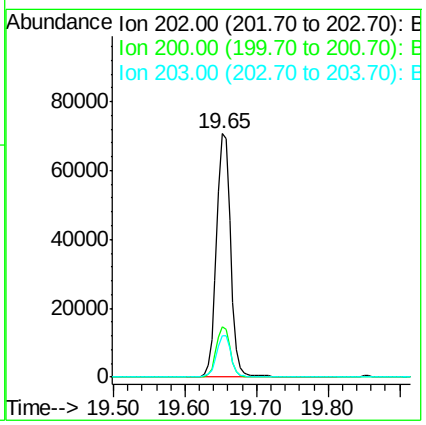


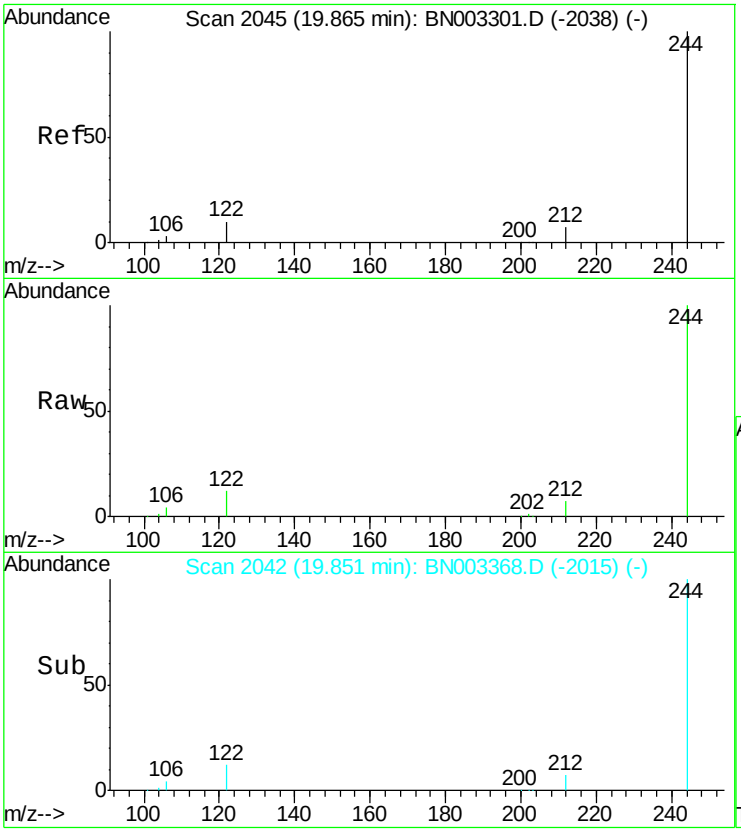


#28
Pyrene
Concen: 0.374 ng
RT: 19.65 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Tgt Ion:202 Resp: 95260

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.5	24.7
203	17.4	13.9	20.9



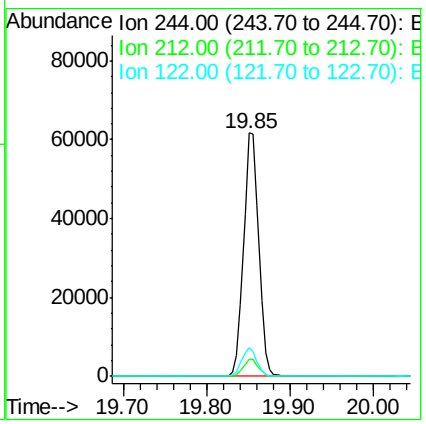


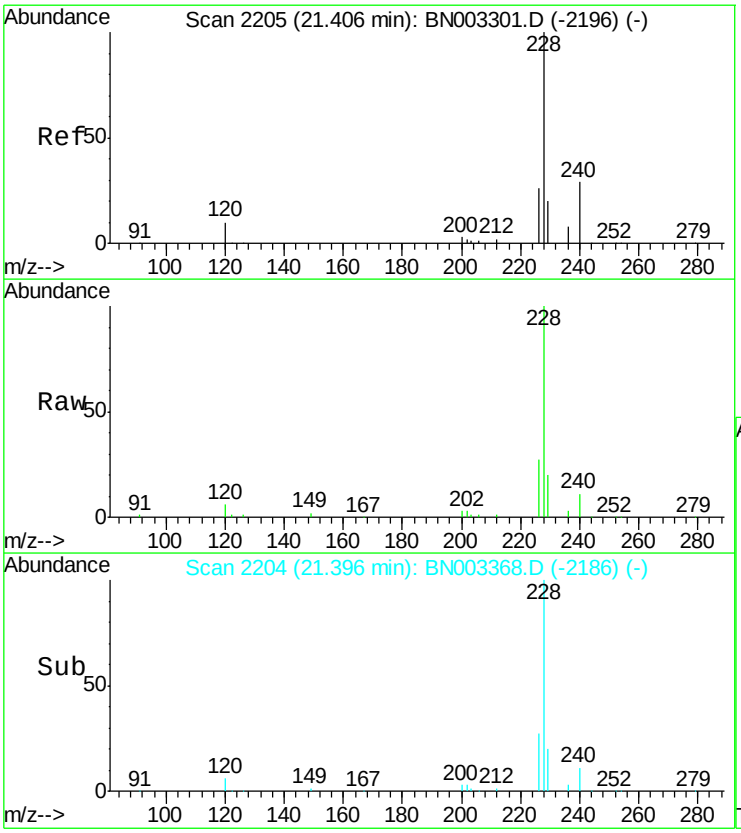
#29
Terphenyl-d14
Concen: 0.362 ng
RT: 19.85 min Scan# 2042
Delta R.T. -0.01 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 77732

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	11.8	8.5	12.7

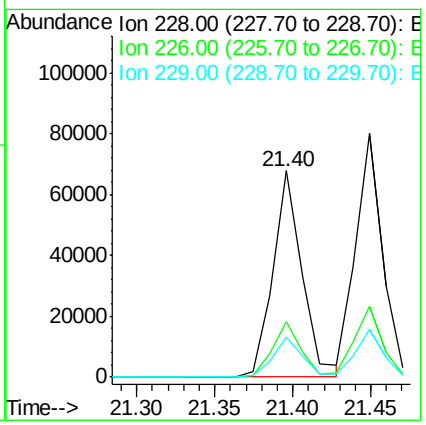


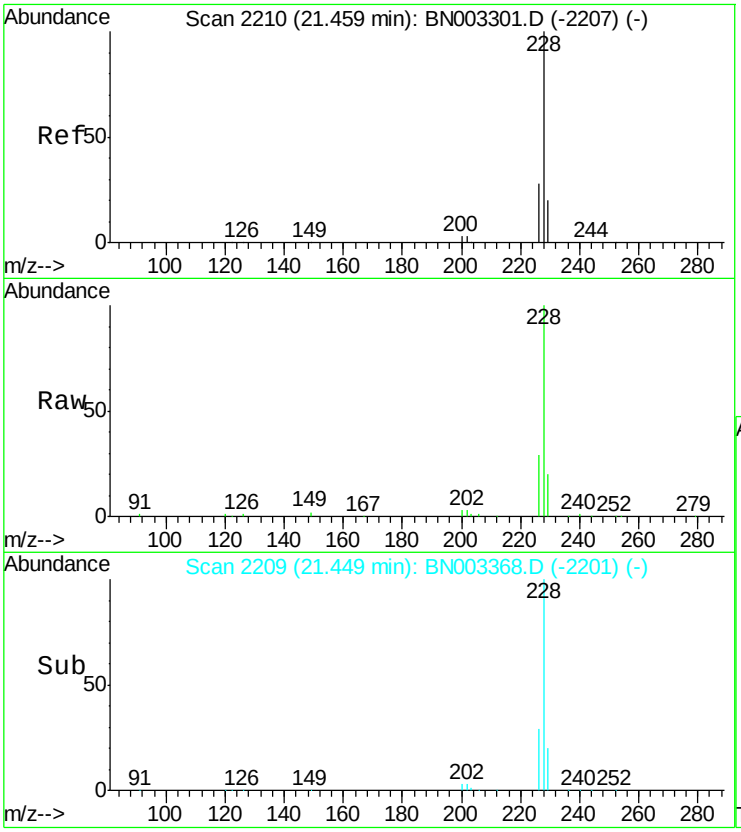


#30
Benzo(a)anthracene
Concen: 0.361 ng
RT: 21.40 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Tgt Ion:228 Resp: 87310

Ion	Ratio	Lower	Upper
228	100		
226	26.8	20.8	31.2
229	19.7	16.1	24.1



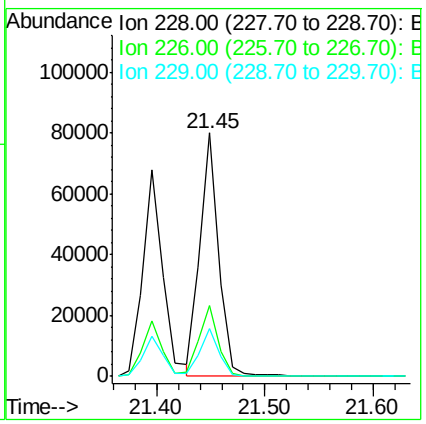


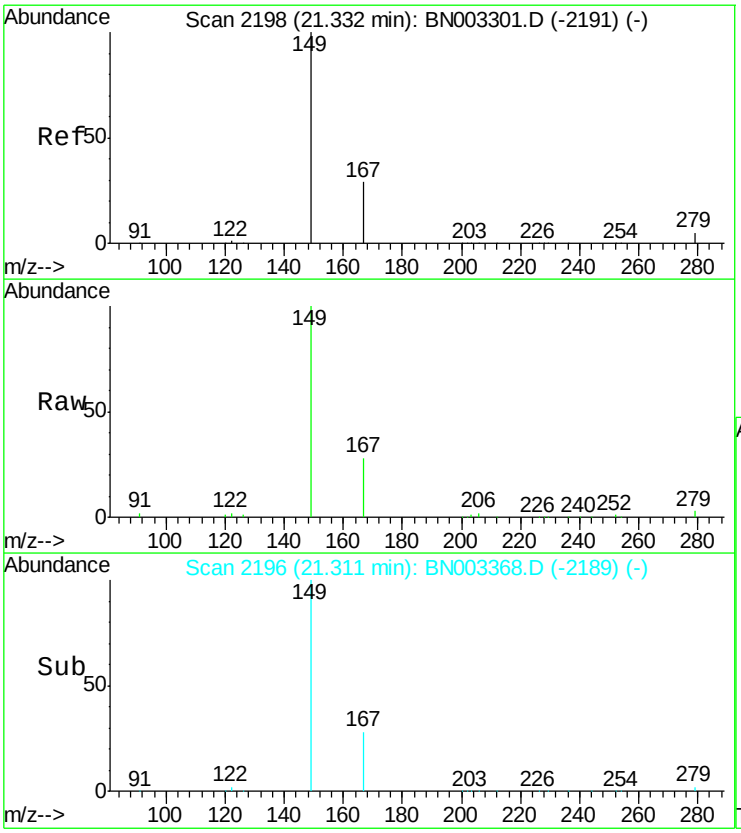
#31
Chrysene
Concen: 0.366 ng
RT: 21.45 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 95389

Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.7	34.1
229	19.6	16.0	24.0

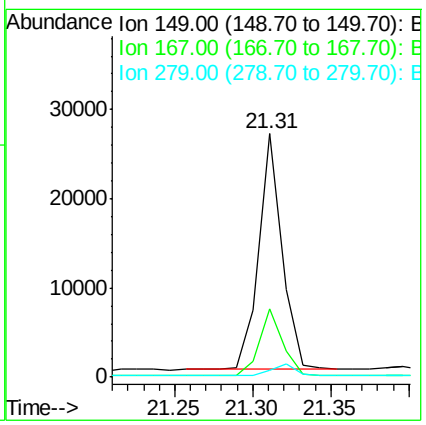


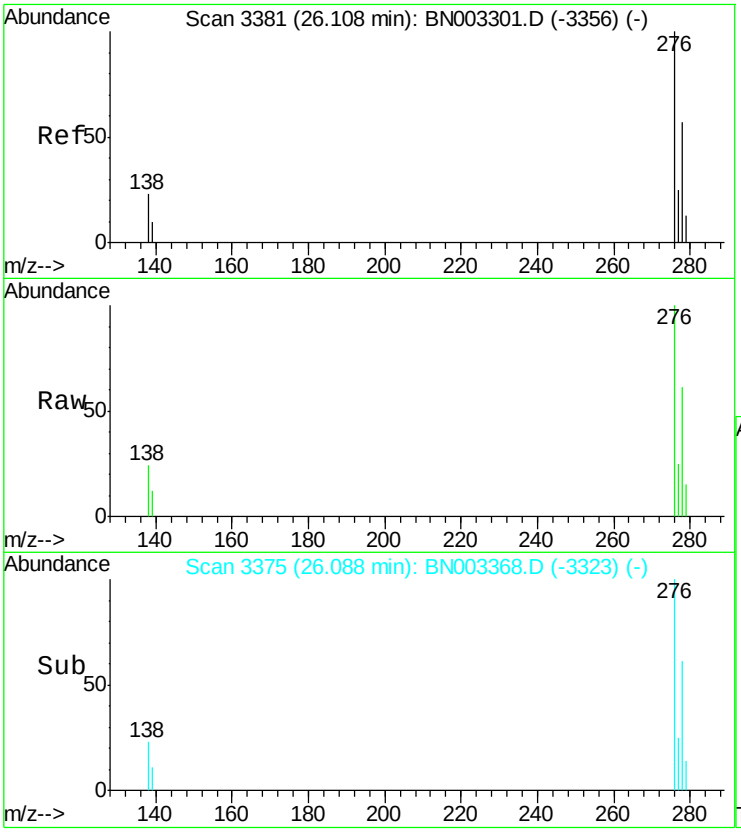


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.385 ng
RT: 21.31 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Tgt Ion:149 Resp: 27520

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.4	33.6
279	5.0	3.9	5.9



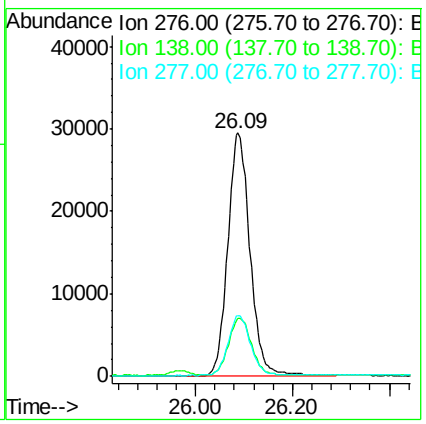


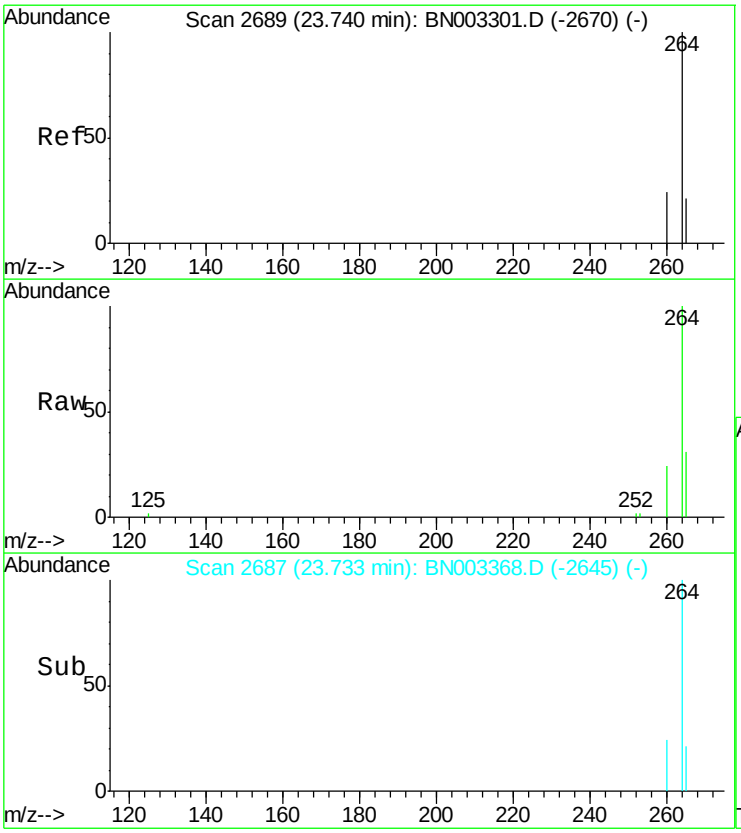
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.347 ng
RT: 26.09 min Scan# 3375
Delta R.T. -0.02 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 93683

Ion	Ratio	Lower	Upper
276	100		
138	24.1	20.6	30.8
277	24.9	20.0	30.0

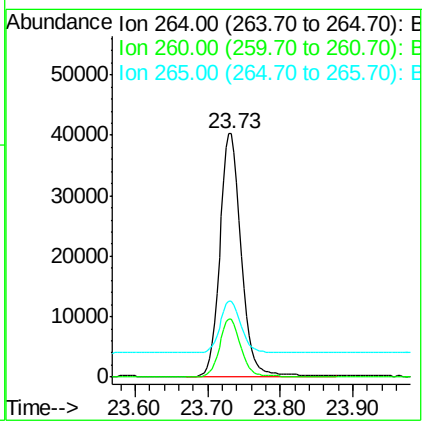


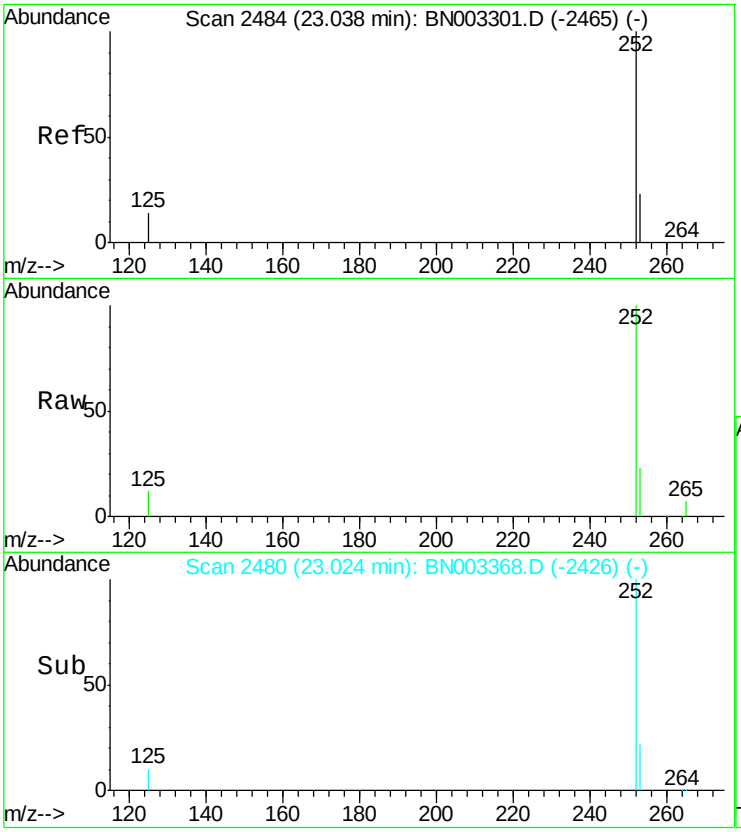


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.73 min Scan# 2687
Delta R.T. -0.01 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Tgt Ion:264 Resp: 81900

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	31.3	26.4	39.6



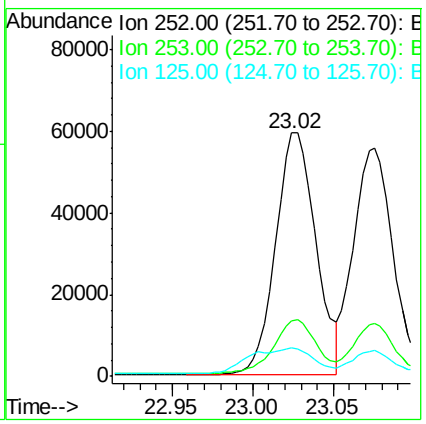


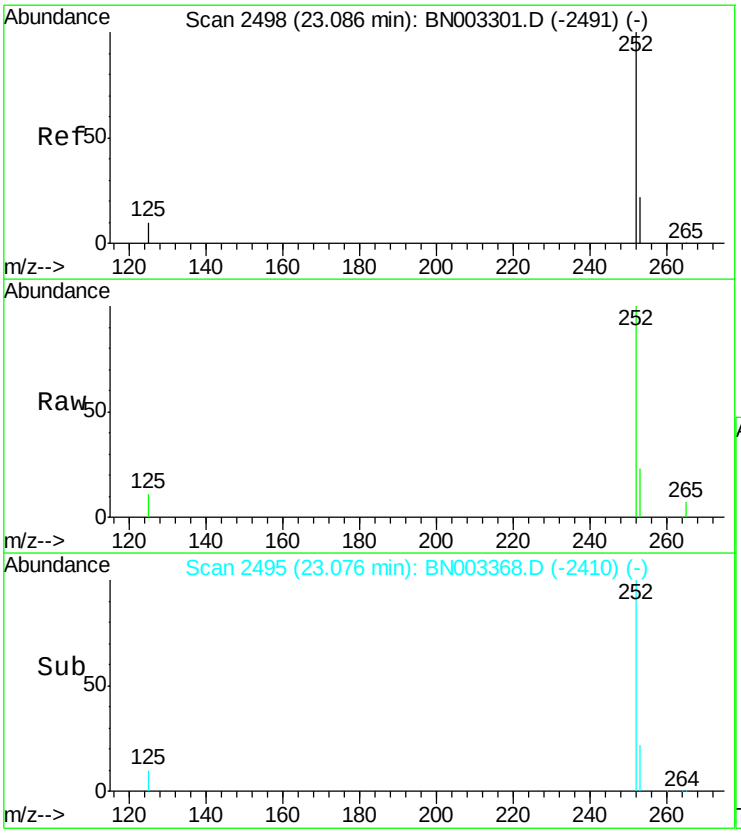
#35
Benzo(b)fluoranthene
Concen: 0.400 ng
RT: 23.02 min Scan# 2480
Delta R.T. -0.01 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 102323

Ion	Ratio	Lower	Upper
252	100		
253	23.0	19.3	28.9
125	11.8	12.7	19.1#

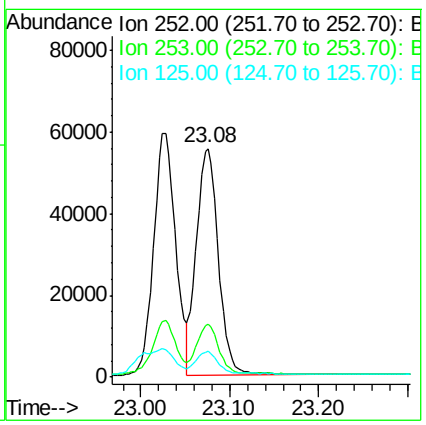


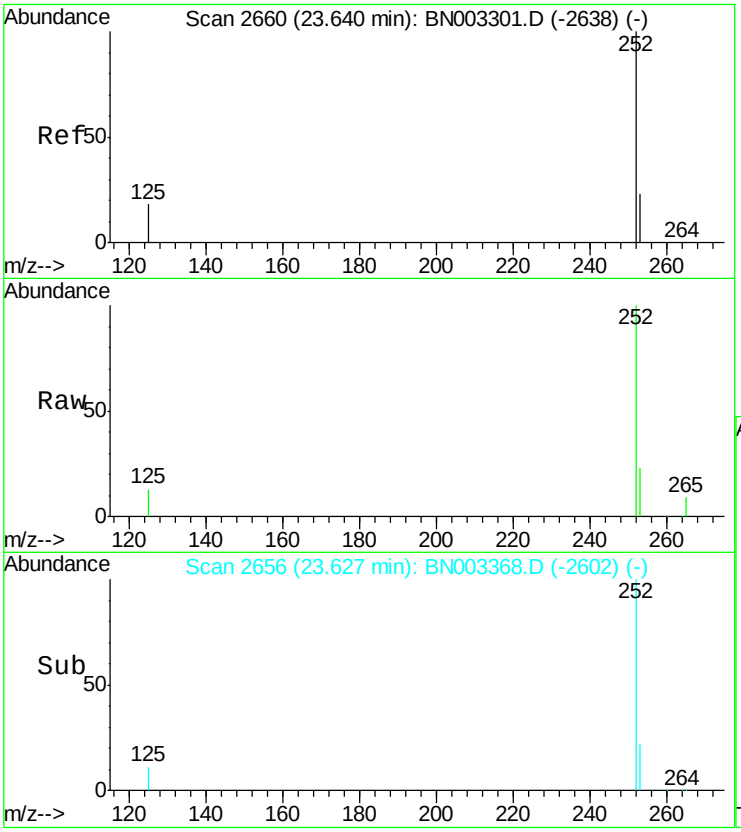


#36
Benzo(k)fluoranthene
Concen: 0.377 ng
RT: 23.08 min Scan# 2495
Delta R.T. -0.01 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Tgt Ion:252 Resp: 95335

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.5	27.7
125	11.3	9.1	13.7



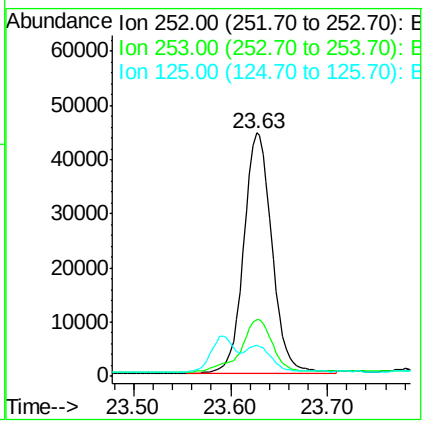


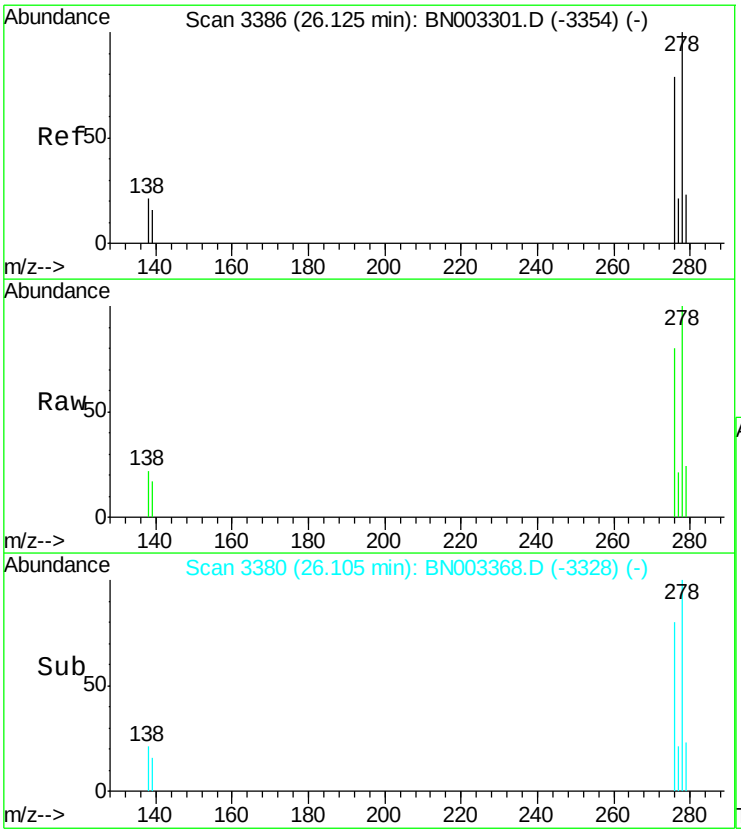
#37
Benzo(a)pyrene
Concen: 0.385 ng
RT: 23.63 min Scan# 2656
Delta R.T. -0.01 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 89616

Ion	Ratio	Lower	Upper
252	100		
253	23.4	20.1	30.1
125	12.9	16.0	24.0#

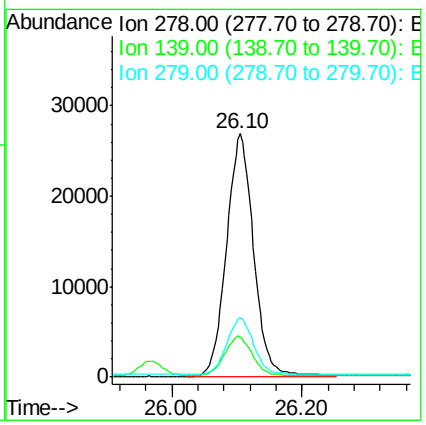


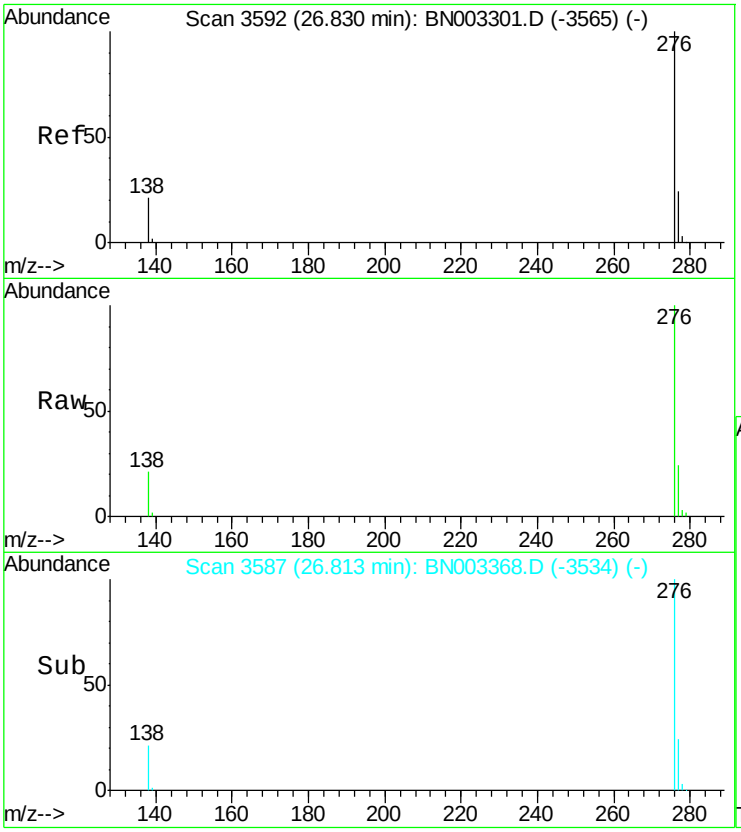


#38
Dibenzo(a,h)anthracene
Concen: 0.359 ng
RT: 26.10 min Scan# 3380
Delta R.T. -0.02 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Tgt Ion:278 Resp: 77789

Ion	Ratio	Lower	Upper
278	100		
139	16.5	13.5	20.3
279	24.5	19.8	29.6





#39
Benzo(g,h,i)perylene
Concen: 0.350 ng
RT: 26.81 min Scan# 3587
Delta R.T. -0.02 min
Lab File: BN003368.D
Acq: 31 Oct 2018 15:29

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 75822

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.5	29.3
138	21.3	17.4	26.2