Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN103018\
Data File : BN003356.D
Acq On : 30 Oct 2018 12:03
Operator : MJ/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4

Quant Time: Oct 30 18:14:12 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	7.86	152	16958	0.40	ng		0.00
7) Naphthalene-d8	10.66	136	72018	0.40	ng		-0.01
13) Acenaphthene-d10	14.49	164	42289	0.40	ng		-0.01
19) Phenanthrene-d10	17.23	188	99481	0.40	ng		-0.01
27) Chrysene-d12	21.42	240	109514	0.40	ng		0.00
34) Perylene-d12	23.73	264	91155	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.42	112	15731	0.37	ng		0.00
5) Phenol-d6	7.01	99	19760	0.37	ng		0.00
8) Nitrobenzene-d5	9.02	82	15549	0.49	ng		0.00
11) 2-Methylnaphthalene-d10	12.24	152	45202	0.39	ng		-0.01
14) 2,4,6-Tribromophenol	15.97	330	6444	0.38	ng		-0.01
15) 2-Fluorobiphenyl	13.11	172	68796	0.38	ng		-0.02
25) Fluoranthene-d10	19.26	212	104480	0.36	ng		0.00
29) Terphenyl-d14	19.86	244	97311	0.38	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.34	88	8056	0.367	ng		97
3) n-Nitrosodimethylamine	3.67	42	4266	0.422	ng	#	91
6) bis(2-Chloroethyl)ether	7.28	93	19397	0.410	ng		99
9) Naphthalene	10.71	128	68340	0.388	ng		99
10) Hexachlorobutadiene	10.97	225	12526	0.389	ng	#	100
12) 2-Methylnaphthalene	12.31	142	47585	0.386	ng		98
16) Acenaphthylene	14.21	152	68767	0.365	ng		100
17) Acenaphthene	14.56	154	50529	0.387	ng		100
18) Fluorene	15.54	166	61567	0.377	ng		100
20) 4-Bromophenyl-phenylether	16.42	248	22390	0.389	ng	#	74
21) Hexachlorobenzene	16.53	284	24791	0.408	ng		99
22) Pentachlorophenol	16.88	266	7572	0.460	ng		96
23) Phenanthrene	17.27	178	106375	0.390	ng		100
24) Anthracene	17.37	178	85041	0.363	ng		100
26) Fluoranthene	19.29	202	115455	0.368	ng		100
28) Pyrene	19.65	202	117639	0.389	ng		100
30) Benzo(a)anthracene	21.40	228	103115	0.359	ng		99
31) Chrysene	21.45	228	113402	0.366	ng		98
32) Bis(2-ethylhexyl)phthalate	21.31	149	30757	0.362	ng		99
33) Indeno(1,2,3-cd)pyrene	26.09	276	103664	0.323	ng		99
35) Benzo(b)fluoranthene	23.03	252	112727	0.396	ng	#	94
36) Benzo(k)fluoranthene	23.08	252	108308	0.384	ng		100
37) Benzo(a)pyrene	23.63	252	100086	0.387	ng	#	91
38) Dibenzo(a,h)anthracene	26.10	278	86465	0.359	ng		99
39) Benzo(g,h,i)perylene	26.82	276	83716	0.347	ng		99

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

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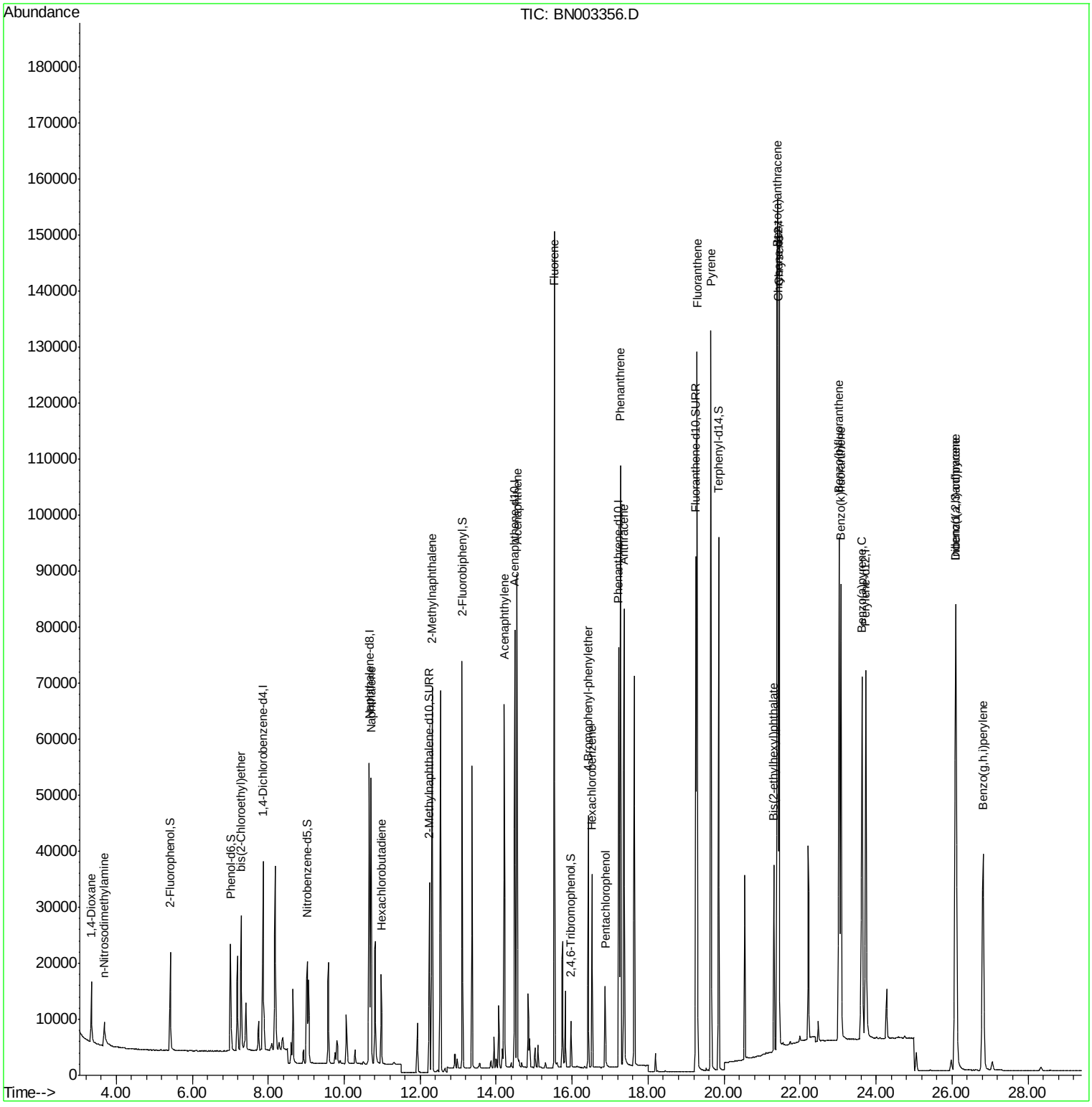
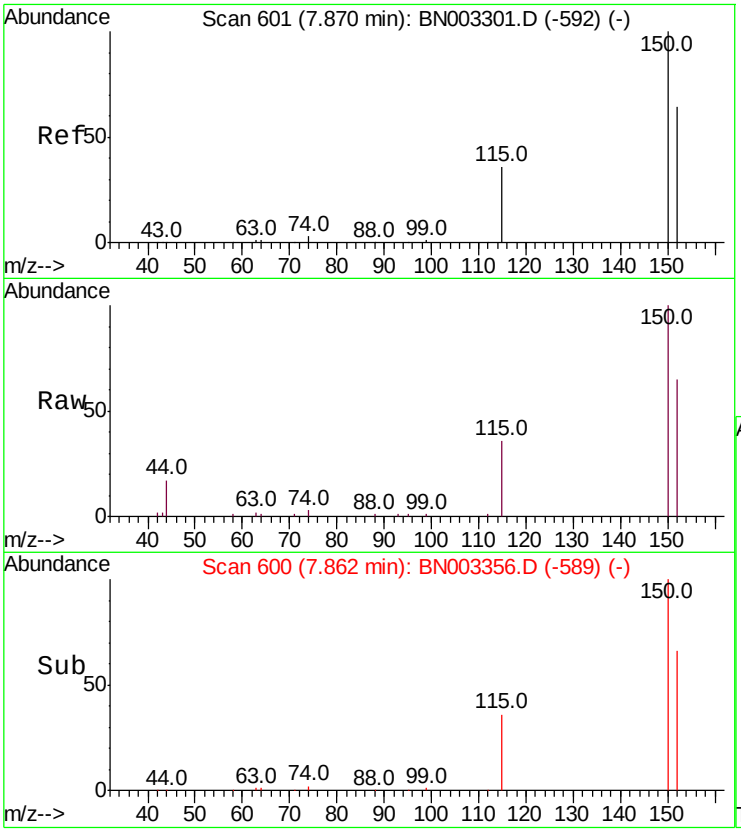
Acq On : 30 Oct 2018 12:03
Operator : MJ/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Oct 30 18:14:12 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



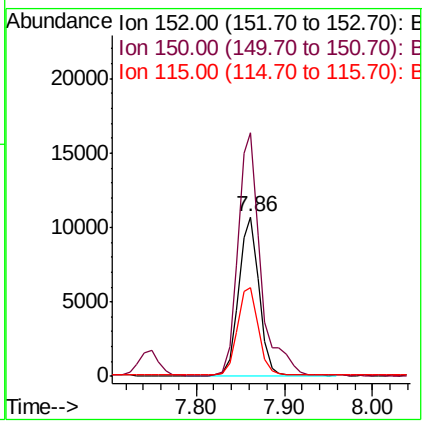


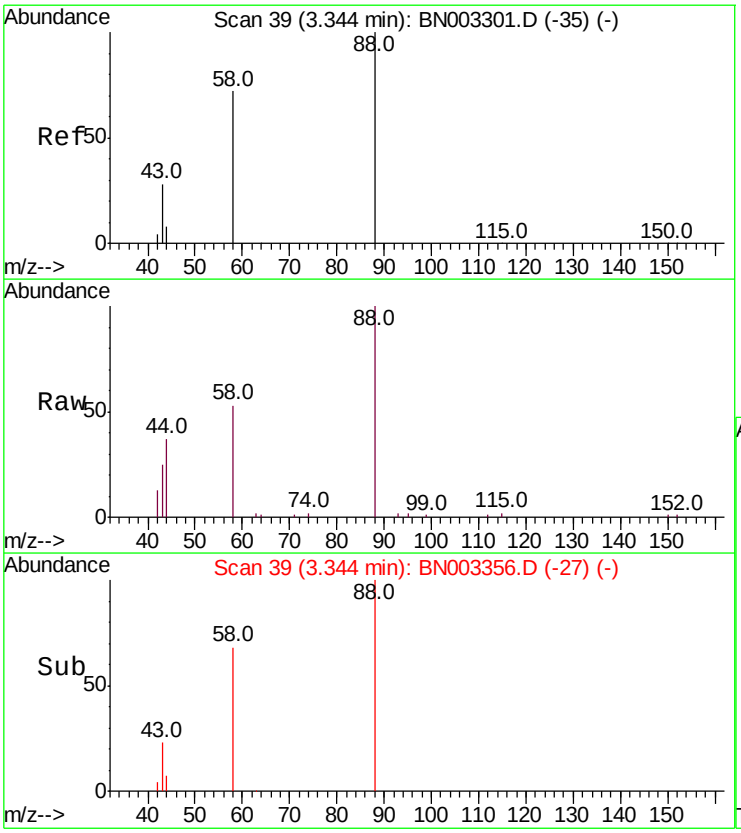
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 600
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 16958

Ion	Ratio	Lower	Upper
152	100		
150	152.8	124.6	187.0
115	55.3	46.4	69.6

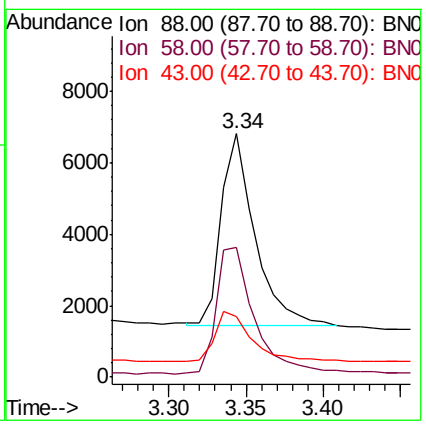


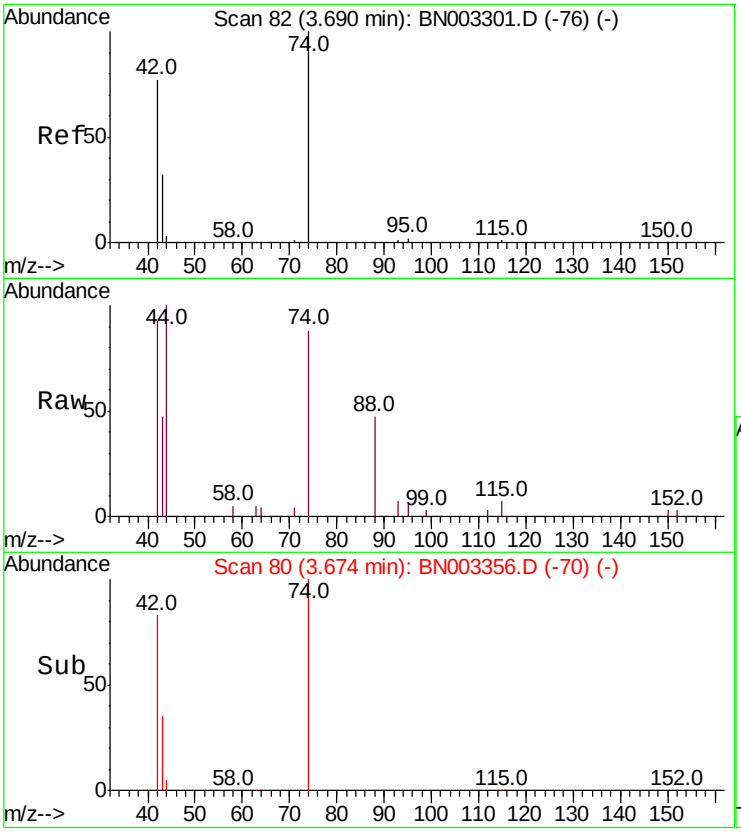


#2
1,4-Dioxane
Concen: 0.367 ng
RT: 3.34 min Scan# 39
Delta R.T. 0.00 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Tgt Ion: 88 Resp: 8056

Ion	Ratio	Lower	Upper
88	100		
58	74.3	60.9	91.3
43	27.7	23.9	35.9



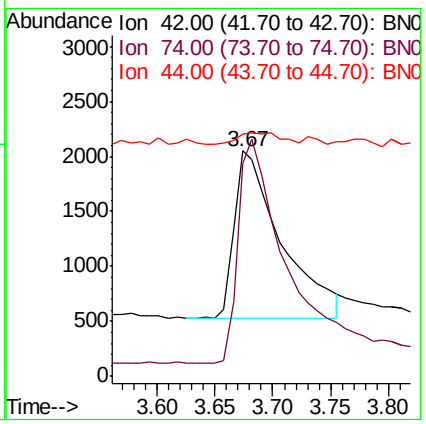


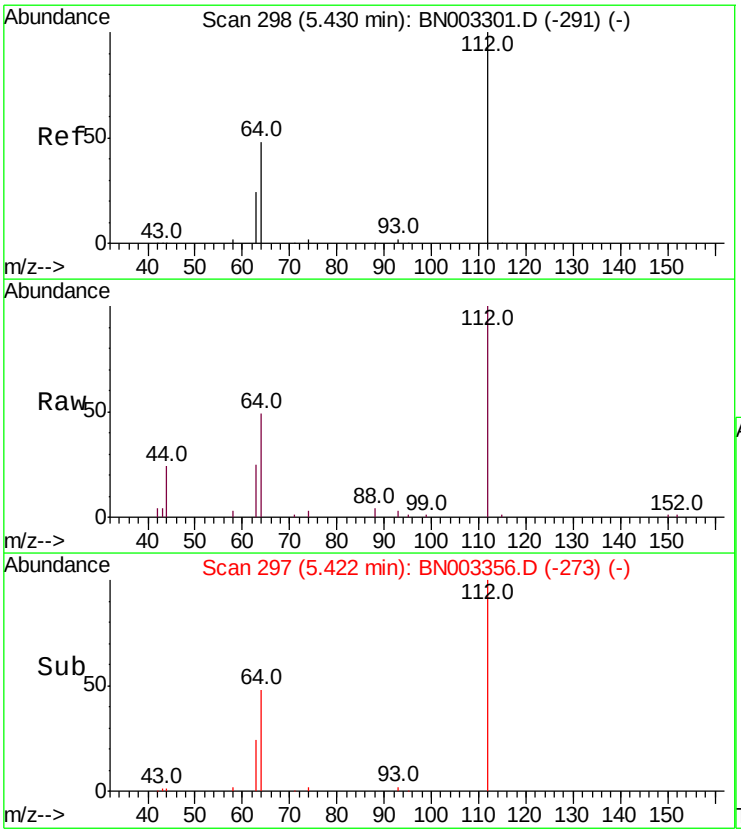
#3
n-Nitrosodimethylamine
Concen: 0.422 ng
RT: 3.67 min Scan# 80
Delta R.T. -0.02 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 4266

Ion	Ratio	Lower	Upper
42	100		
74	133.4	99.1	148.7
44	0.0	4.2	6.4#

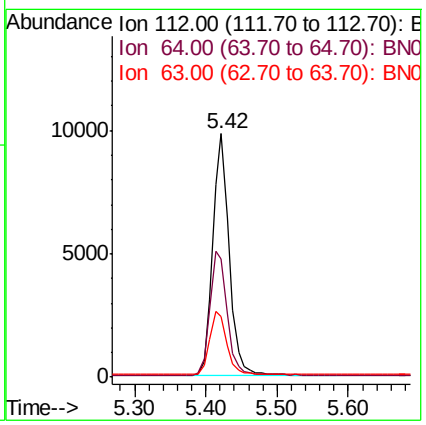


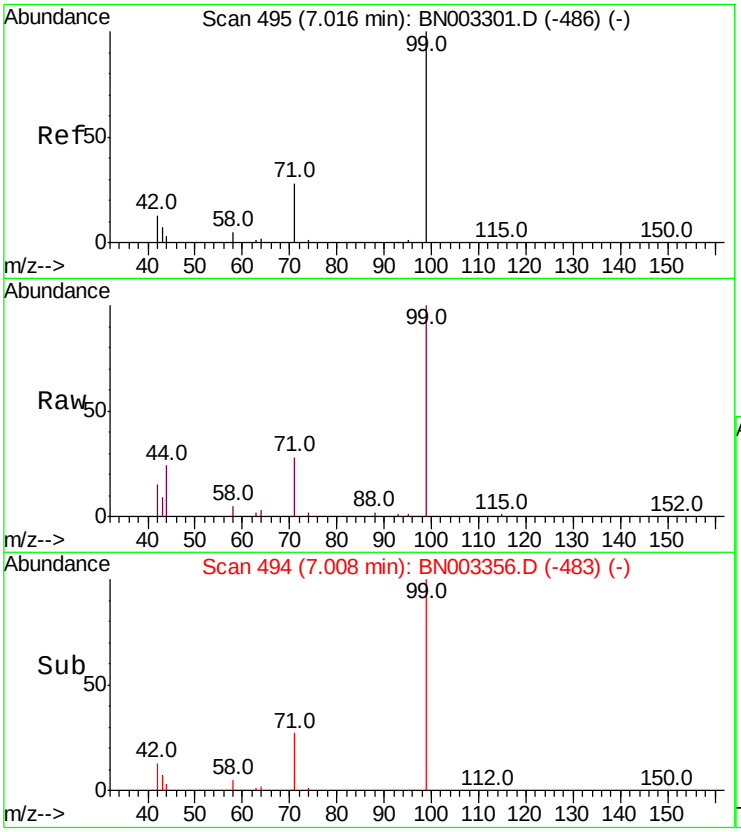


#4
2-Fluorophenol
Concen: 0.375 ng
RT: 5.42 min Scan# 297
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Tgt Ion:112 Resp: 15731

Ion	Ratio	Lower	Upper
112	100		
64	53.9	44.3	66.5
63	27.1	22.4	33.6



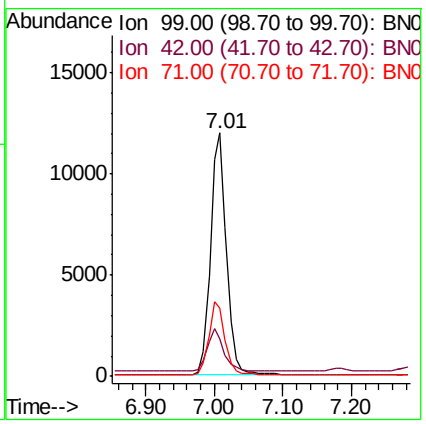


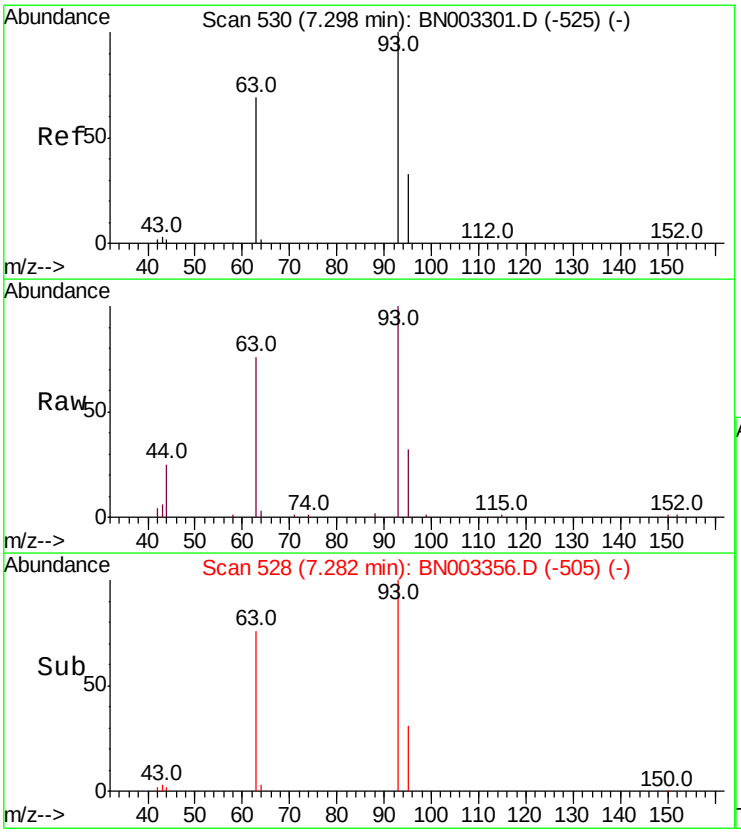
#5
Phenol-d6
Concen: 0.373 ng
RT: 7.01 min Scan# 494
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 19760

Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.8	22.2
71	30.3	24.8	37.2

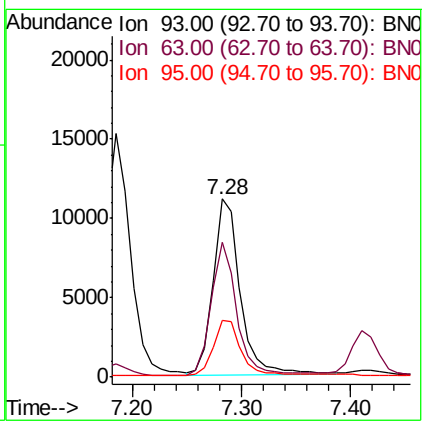


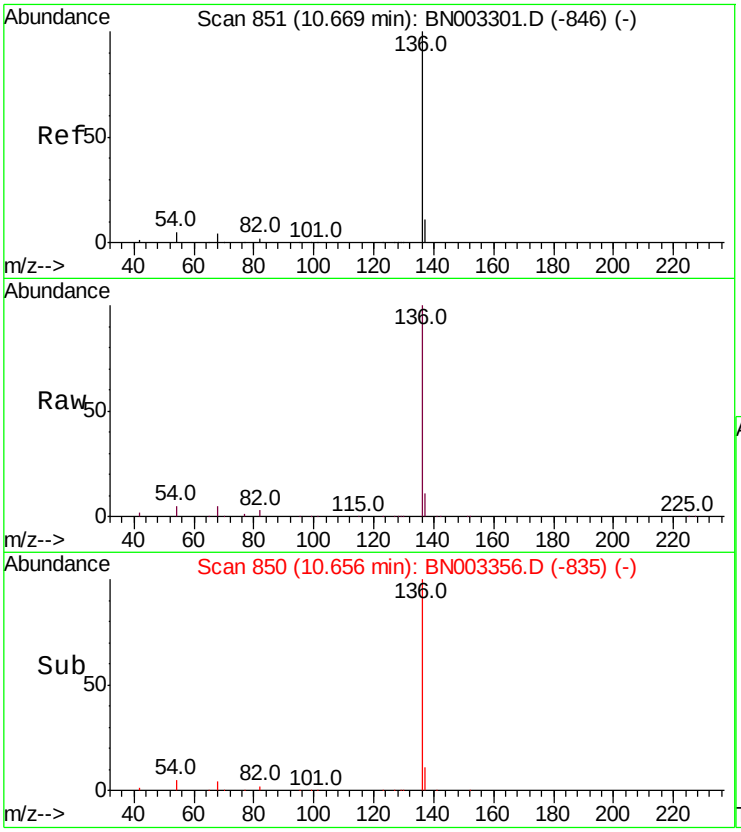


#6
bis(2-Chloroethyl)ether
Concen: 0.410 ng
RT: 7.28 min Scan# 528
Delta R.T. -0.02 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Tgt Ion: 93 Resp: 19397

Ion	Ratio	Lower	Upper
93	100		
63	71.2	55.8	83.6
95	31.9	25.4	38.2



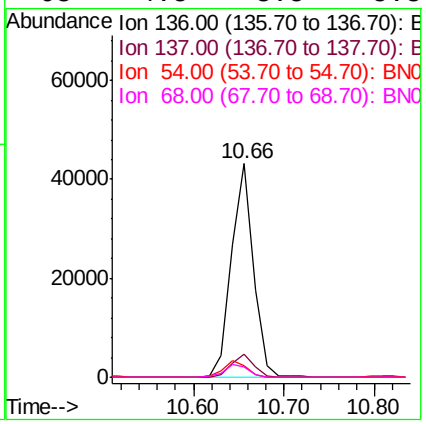


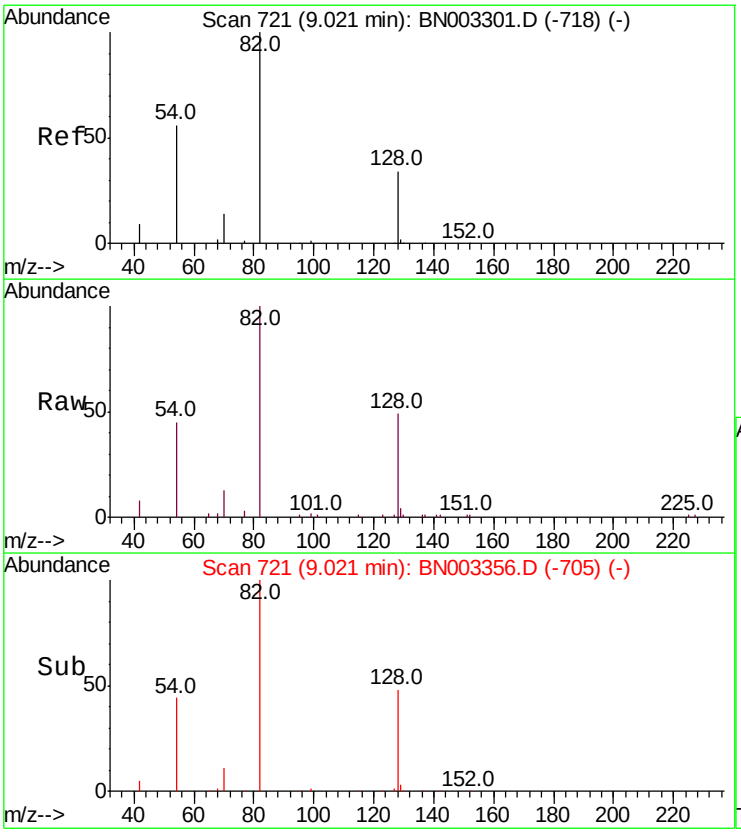
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.66 min Scan# 850
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 72018

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	5.2	4.1	6.1
68	4.5	3.5	5.3

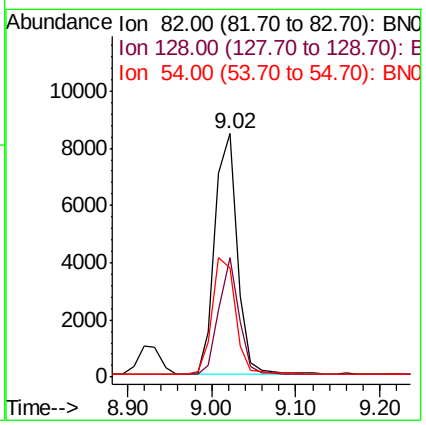


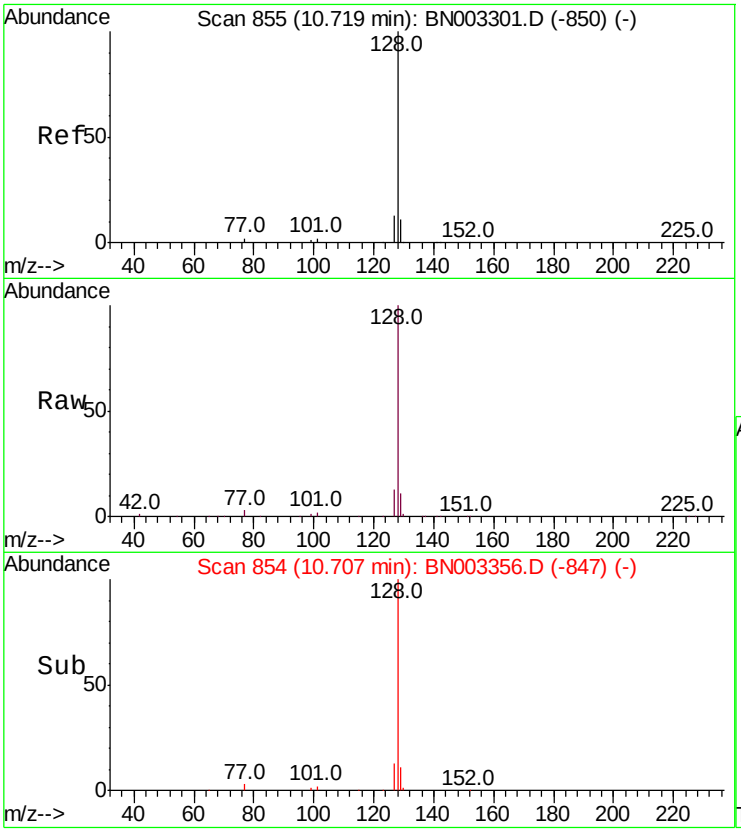


#8
Nitrobenzene-d5
Concen: 0.493 ng
RT: 9.02 min Scan# 721
Delta R.T. 0.00 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Tgt Ion: 82 Resp: 15549

Ion	Ratio	Lower	Upper
82	100		
128	48.9	28.9	43.3#
54	45.0	46.1	69.1#



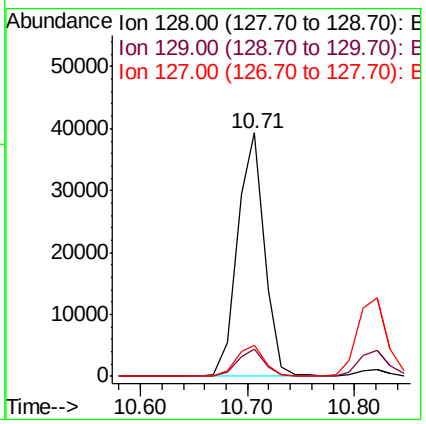


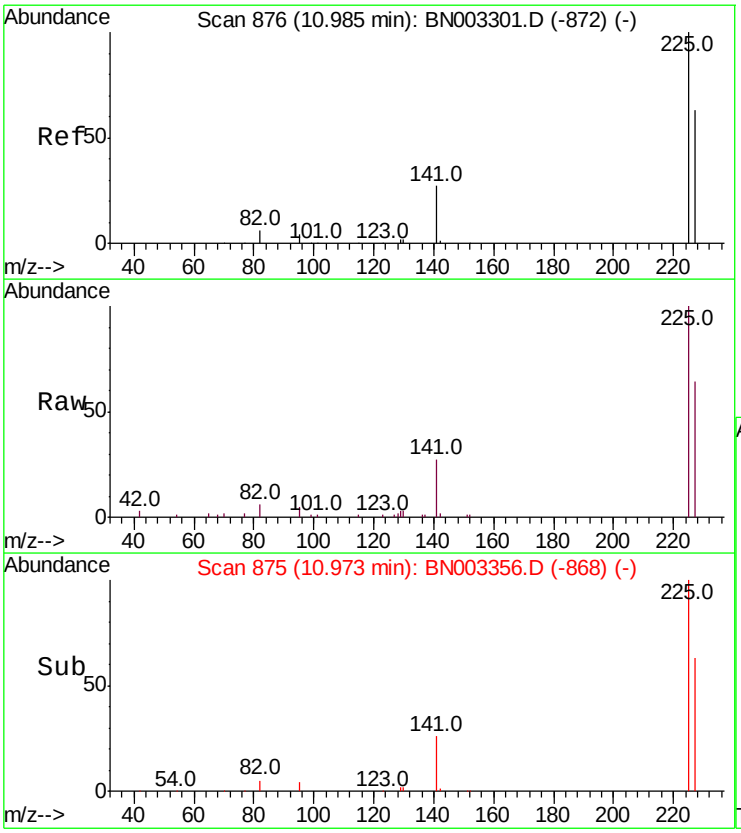
#9
Naphthalene
Concen: 0.388 ng
RT: 10.71 min Scan# 854
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 68340

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.1	13.7
127	12.7	10.2	15.4

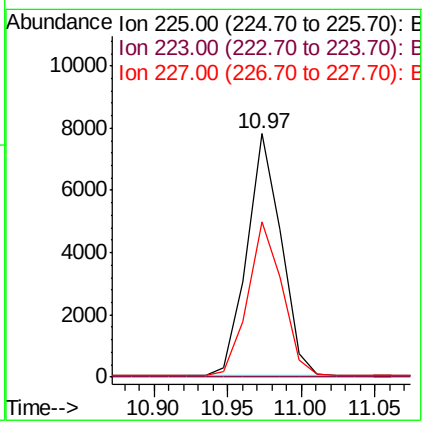


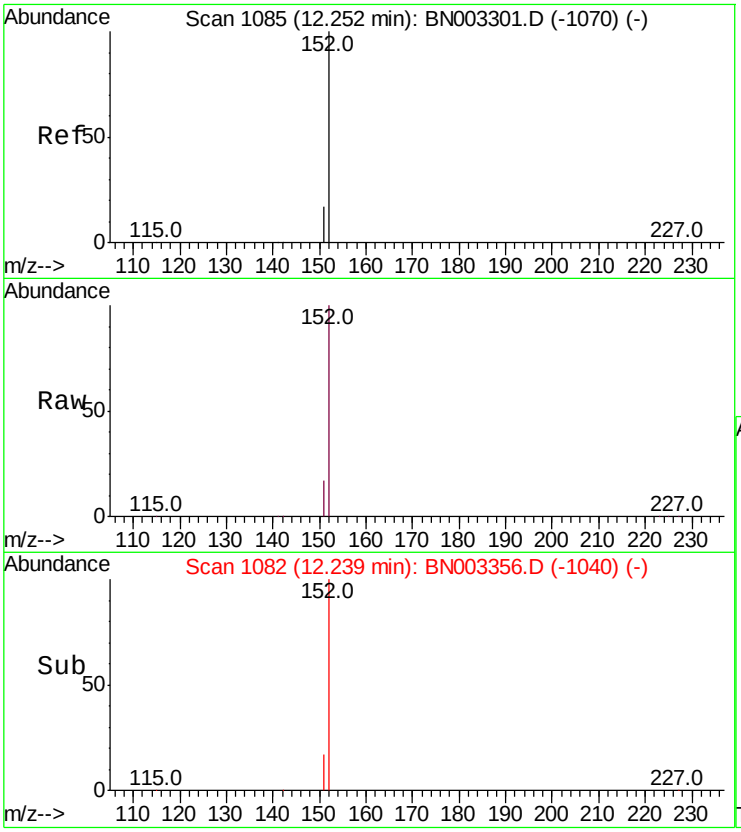


#10
Hexachlorobutadiene
Concen: 0.389 ng
RT: 10.97 min Scan# 875
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Tgt Ion:225 Resp: 12526

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	51.3	76.9



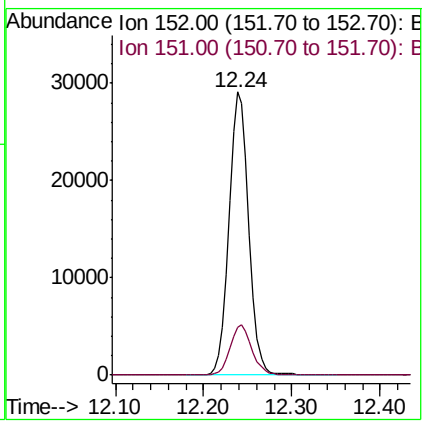


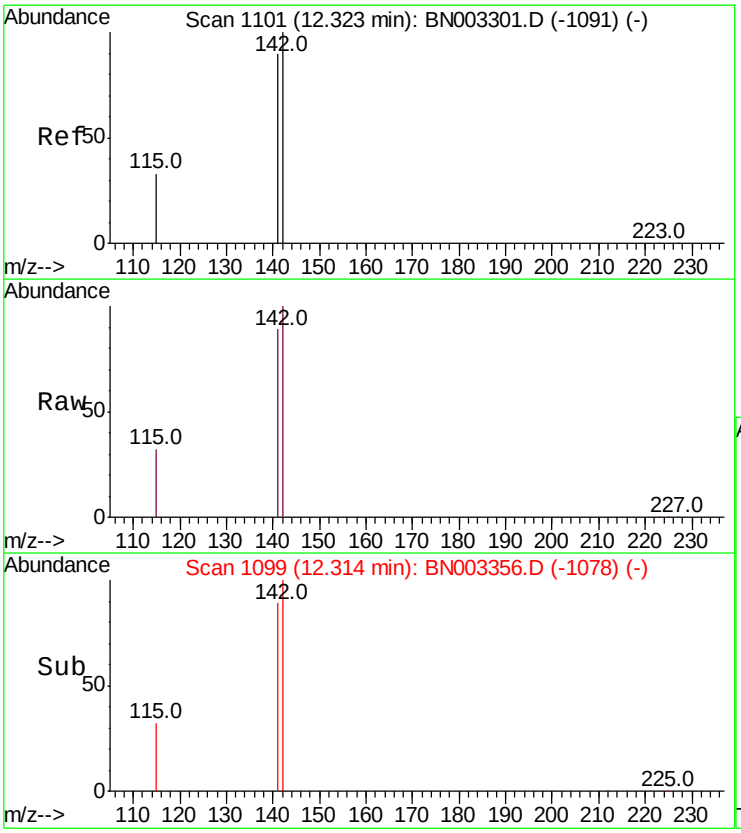
#11
2-Methylnaphthalene-d10
Concen: 0.386 ng
RT: 12.24 min Scan# 1082
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 45202

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.1	22.7

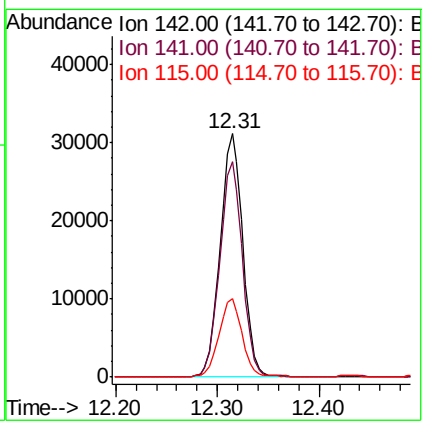


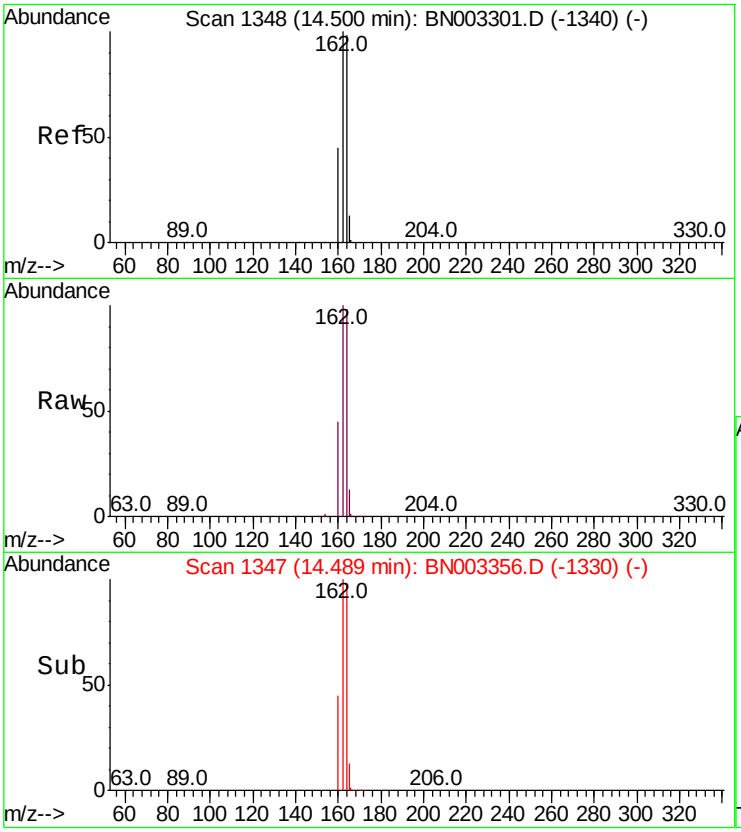


#12
2-Methylnaphthalene
Concen: 0.386 ng
RT: 12.31 min Scan# 1099
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Tgt Ion:142 Resp: 47585

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.9	107.9
115	32.1	27.0	40.6



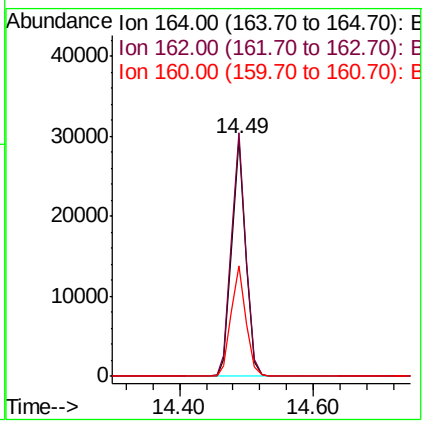


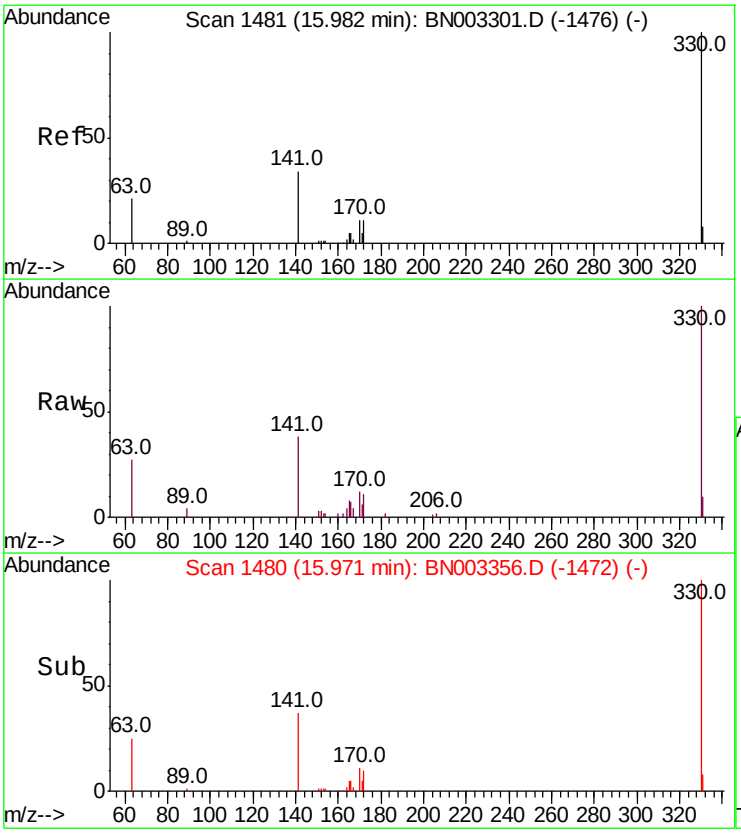
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 42289

Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.8	122.6
160	46.3	37.2	55.8

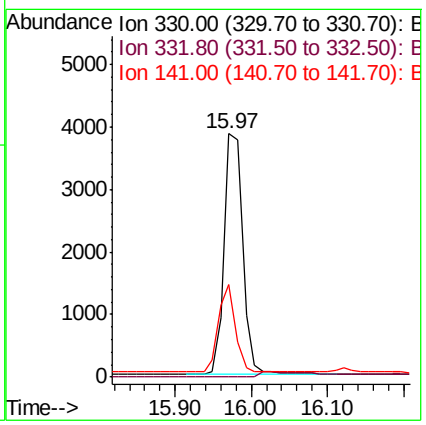


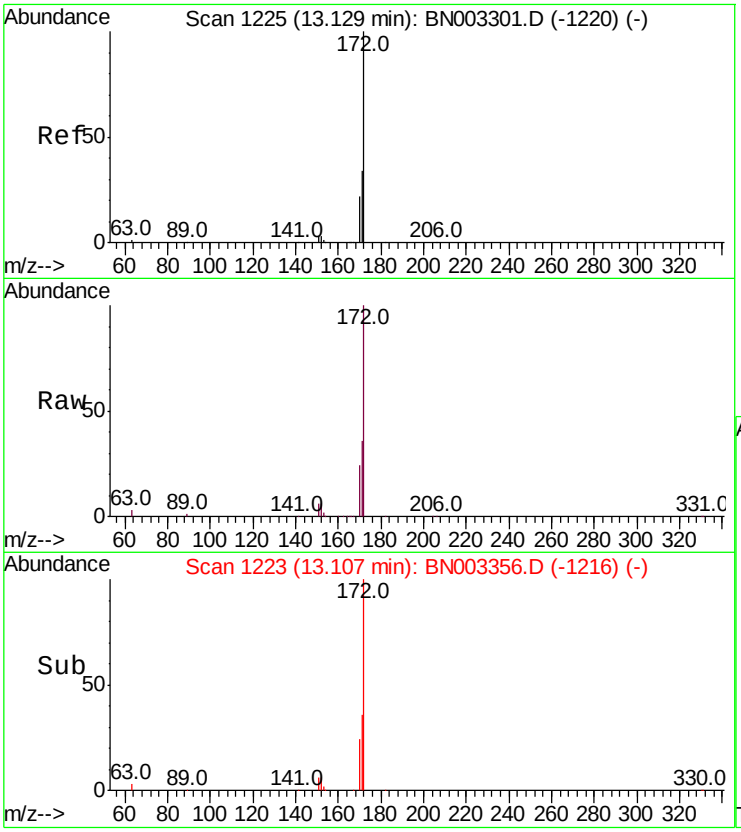


#14
2,4,6-Tribromophenol
Concen: 0.383 ng
RT: 15.97 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Tgt Ion:330 Resp: 6444

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.4	28.3	42.5



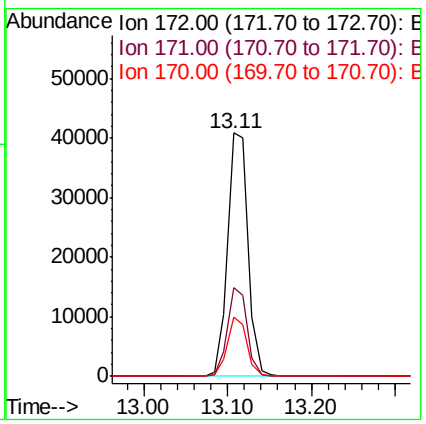


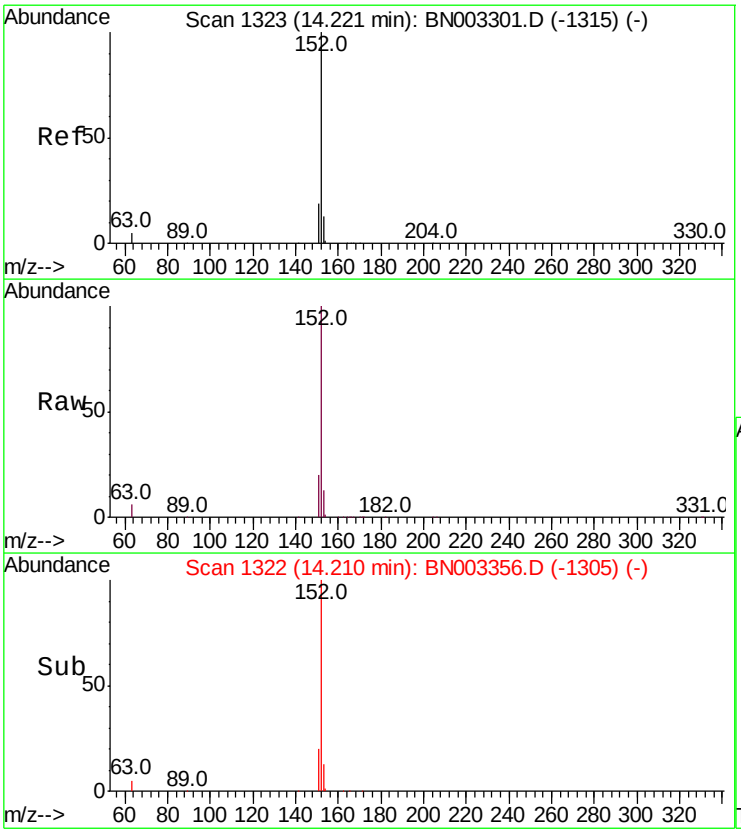
#15
2-Fluorobiphenyl
Concen: 0.378 ng
RT: 13.11 min Scan# 1223
Delta R.T. -0.02 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 68796

Ion	Ratio	Lower	Upper
172	100		
171	36.2	27.1	40.7
170	24.3	17.4	26.0

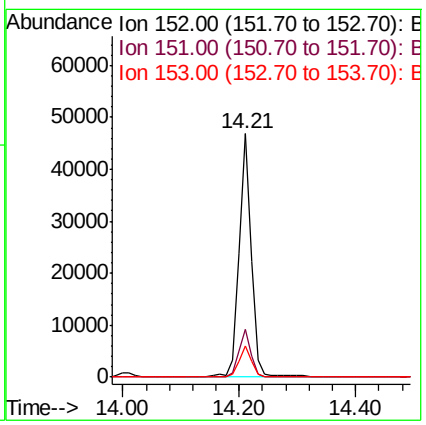


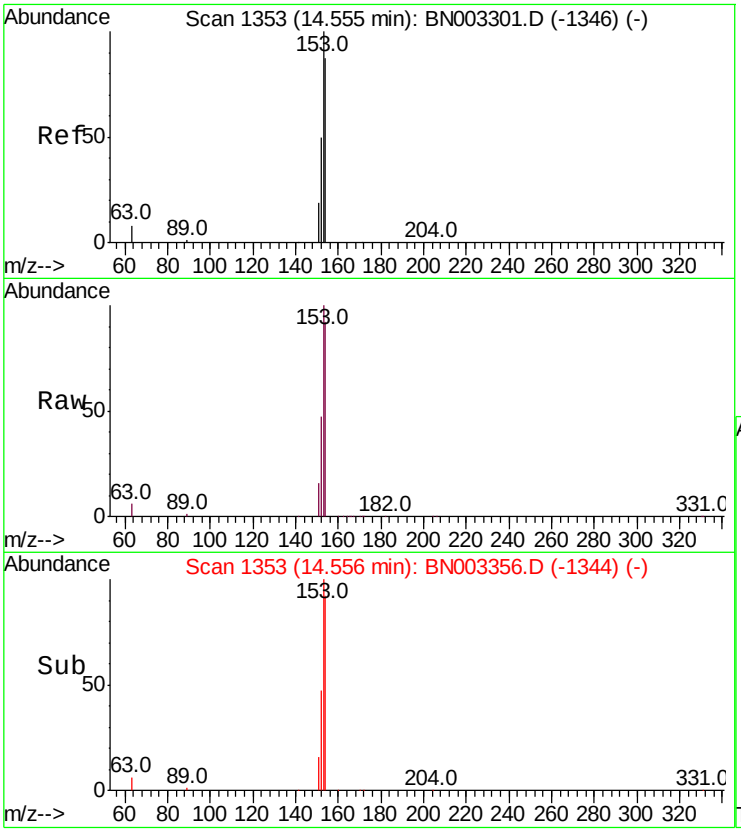


#16
Acenaphthylene
Concen: 0.365 ng
RT: 14.21 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Tgt Ion:152 Resp: 68767

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.7	23.5
153	13.0	10.6	15.8



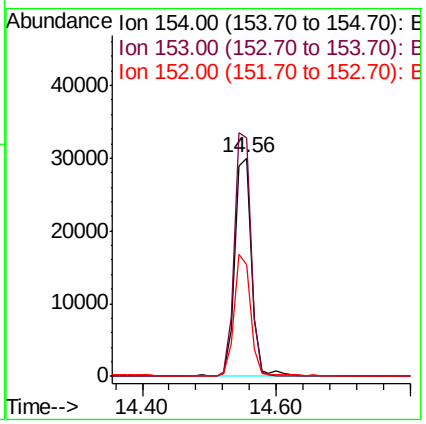


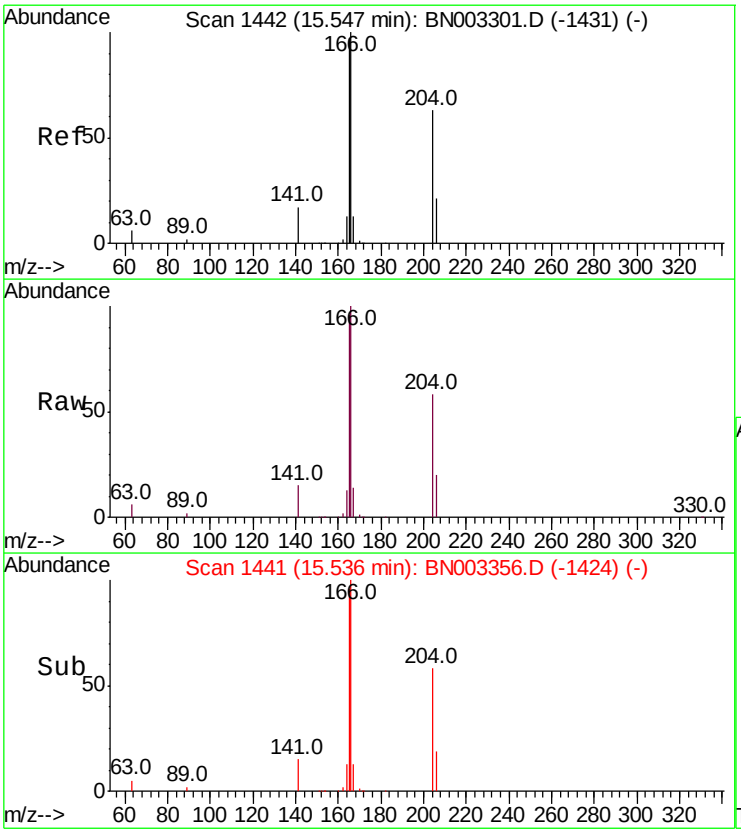
#17
Acenaphthene
Concen: 0.387 ng
RT: 14.56 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 50529

Ion	Ratio	Lower	Upper
154	100		
153	110.6	88.9	133.3
152	54.3	43.5	65.3

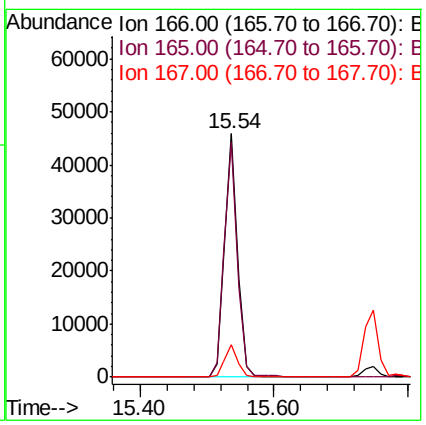


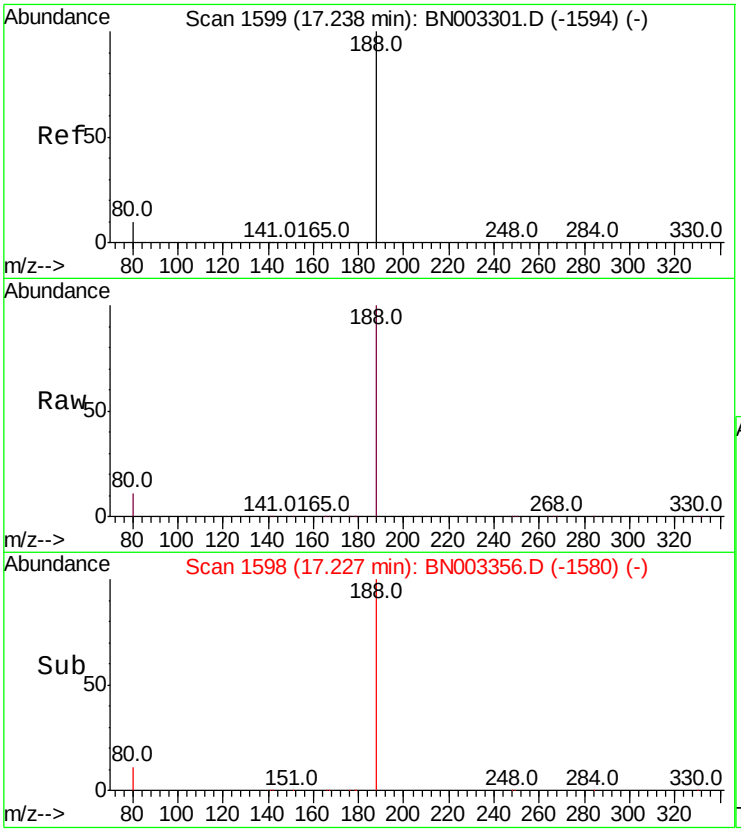


#18
Fluorene
Concen: 0.377 ng
RT: 15.54 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Tgt Ion:166 Resp: 61567

Ion	Ratio	Lower	Upper
166	100		
165	97.5	77.8	116.8
167	13.5	10.9	16.3



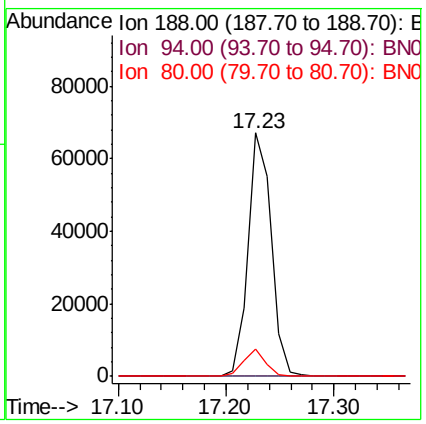


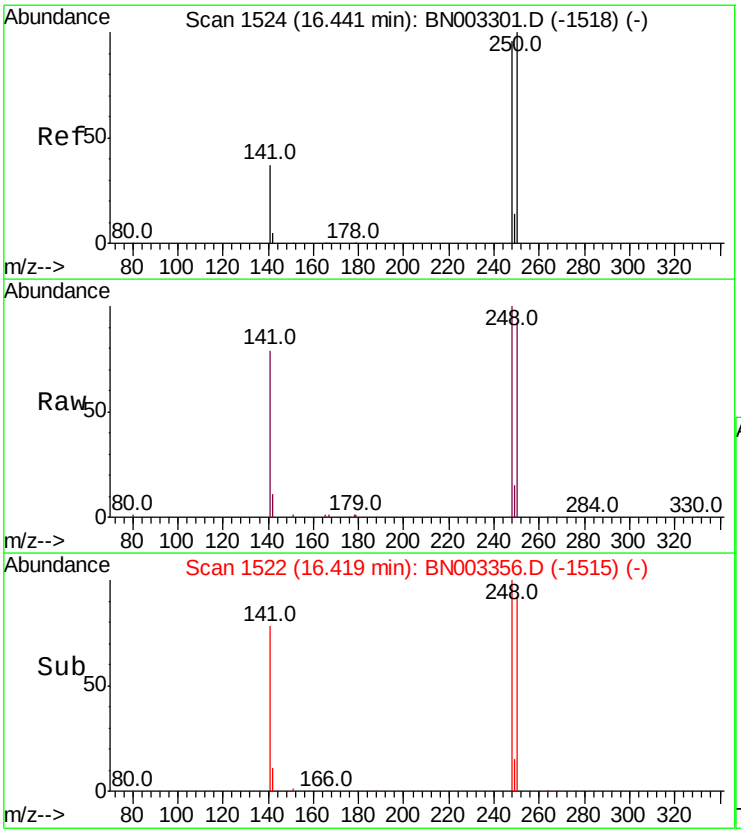
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 99481

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.3	8.6	12.8

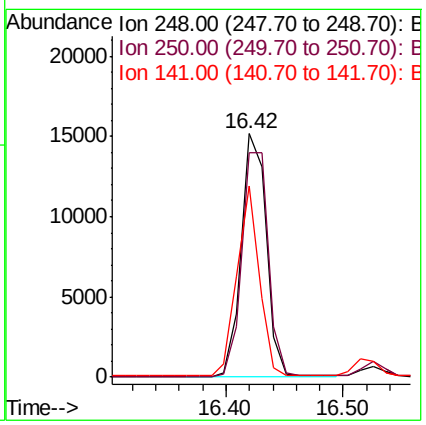


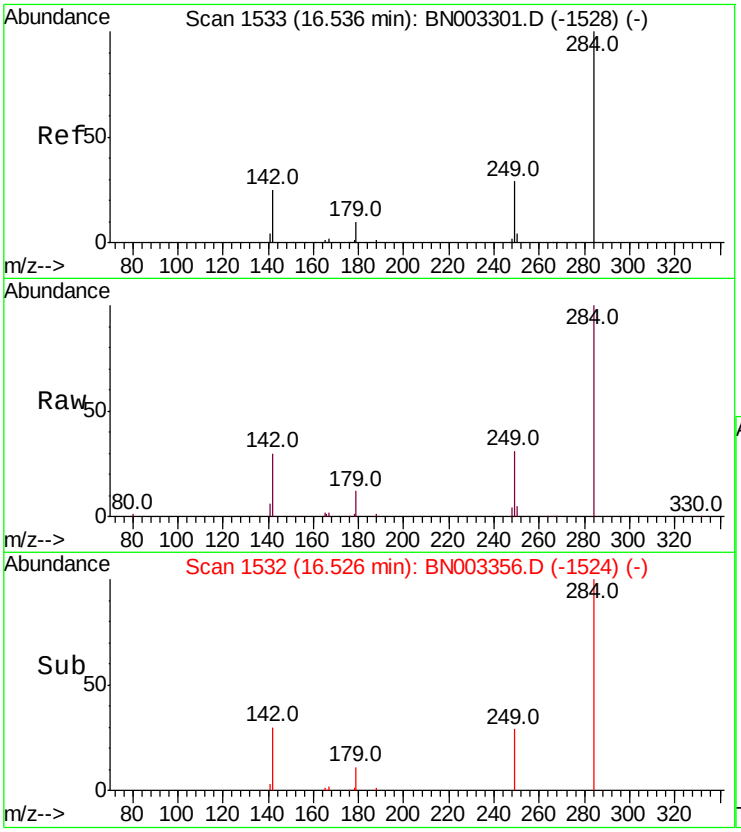


#20
4-Bromophenyl-phenylether
Concen: 0.389 ng
RT: 16.42 min Scan# 1522
Delta R.T. -0.02 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Tgt Ion:248 Resp: 22390

Ion	Ratio	Lower	Upper
248	100		
250	92.1	83.7	125.5
141	78.5	31.4	47.0#



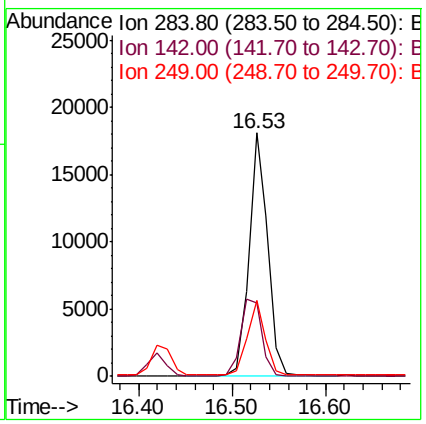


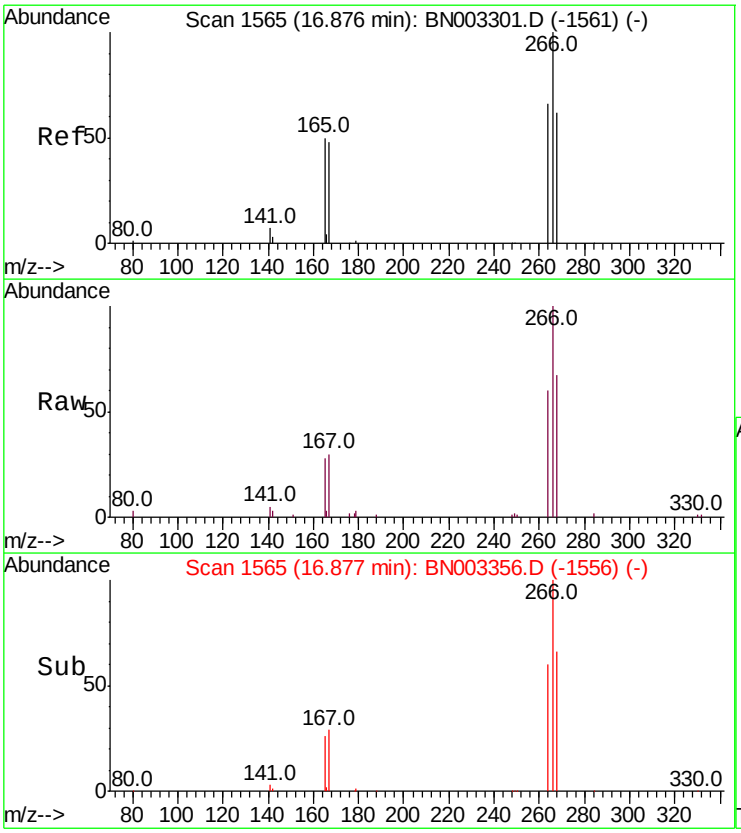
#21
Hexachlorobenzene
Concen: 0.408 ng
RT: 16.53 min Scan# 1532
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 24791

Ion	Ratio	Lower	Upper
284	100		
142	35.8	29.7	44.5
249	29.8	24.0	36.0

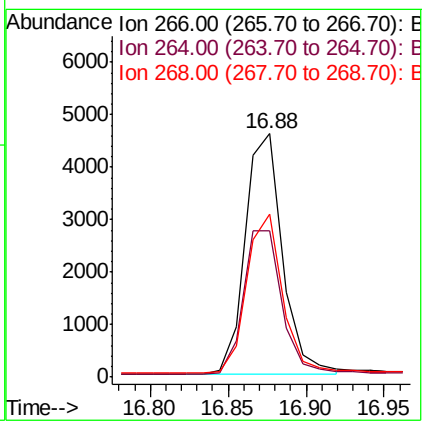


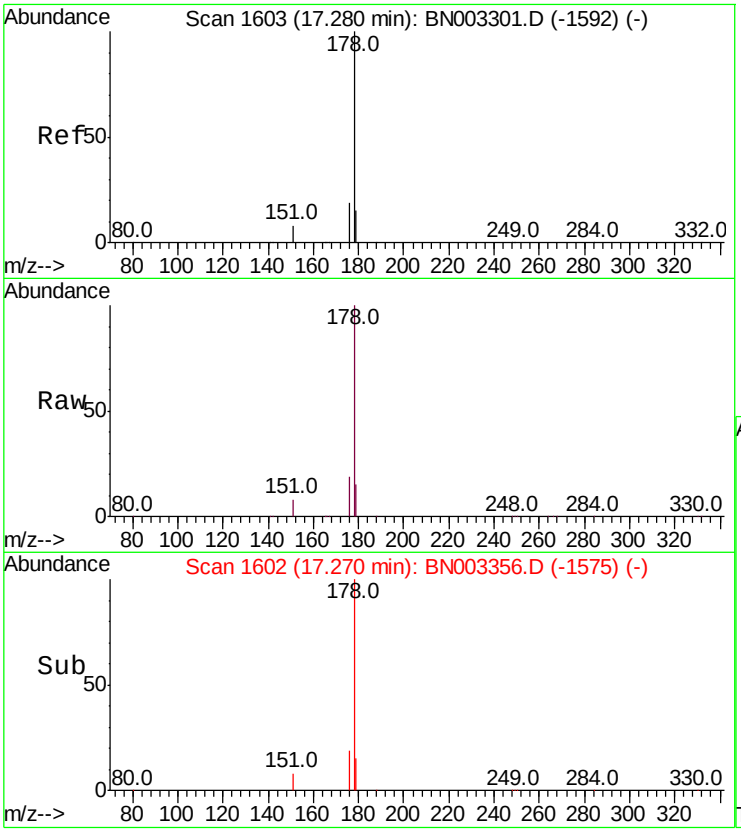


#22
Pentachlorophenol
Concen: 0.460 ng
RT: 16.88 min Scan# 1565
Delta R.T. 0.00 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Tgt Ion:266 Resp: 7572

Ion	Ratio	Lower	Upper
266	100		
264	60.4	52.1	78.1
268	66.7	51.8	77.6



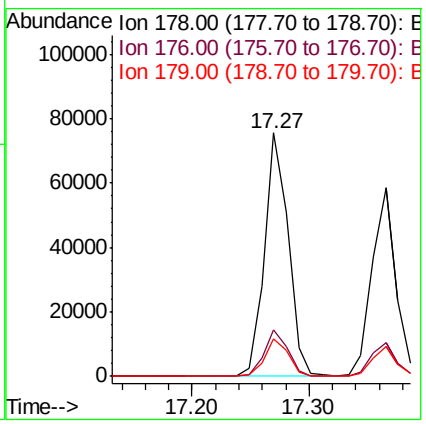


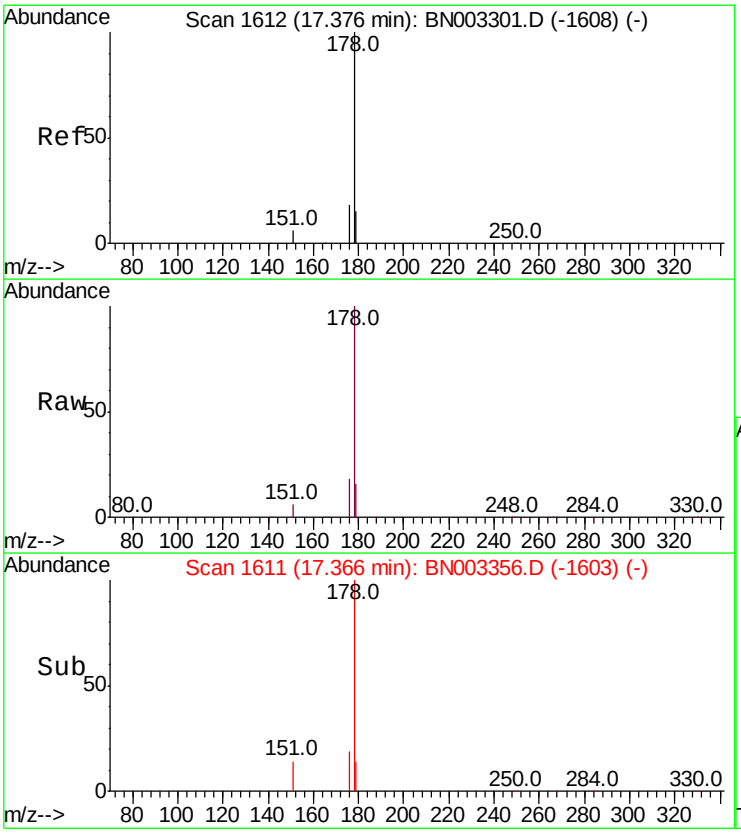
#23
Phenanthrene
Concen: 0.390 ng
RT: 17.27 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 106375

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.3	12.4	18.6

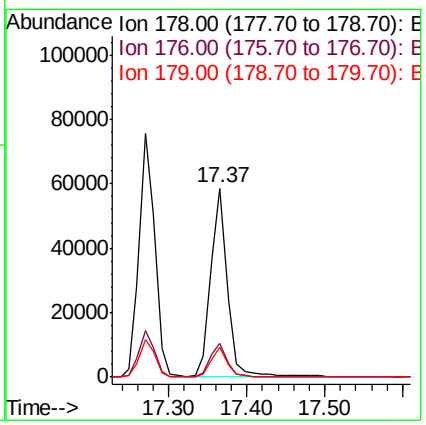


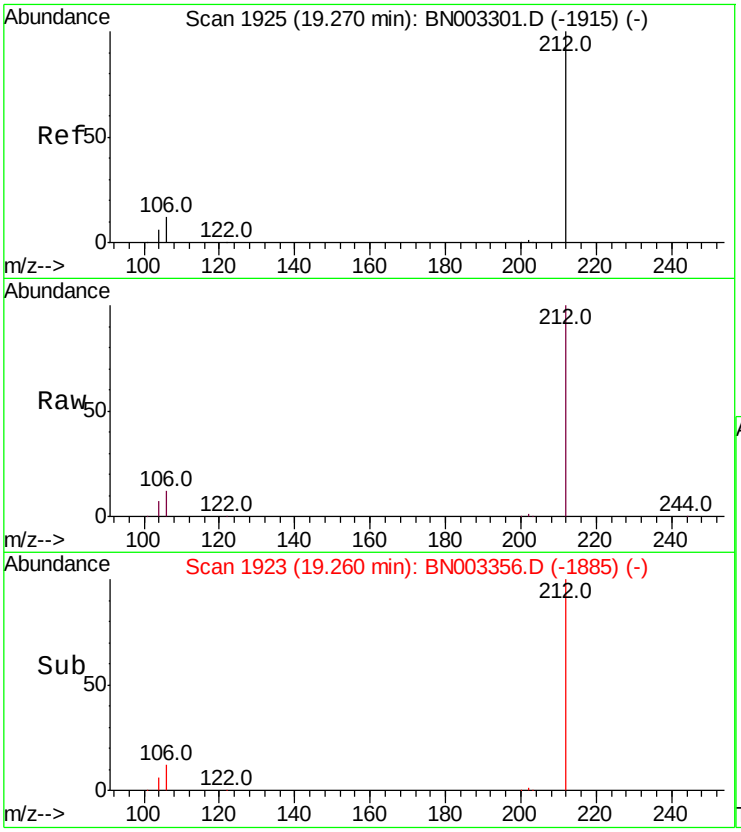


#24
Anthracene
Concen: 0.363 ng
RT: 17.37 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Tgt Ion:178 Resp: 85041

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



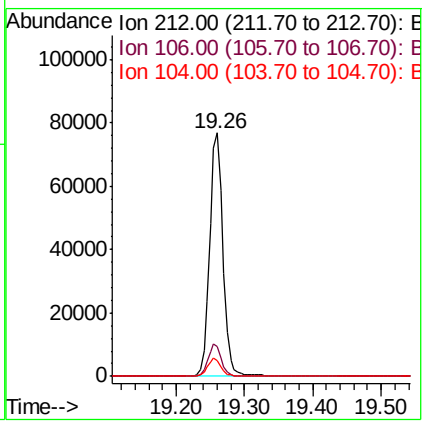


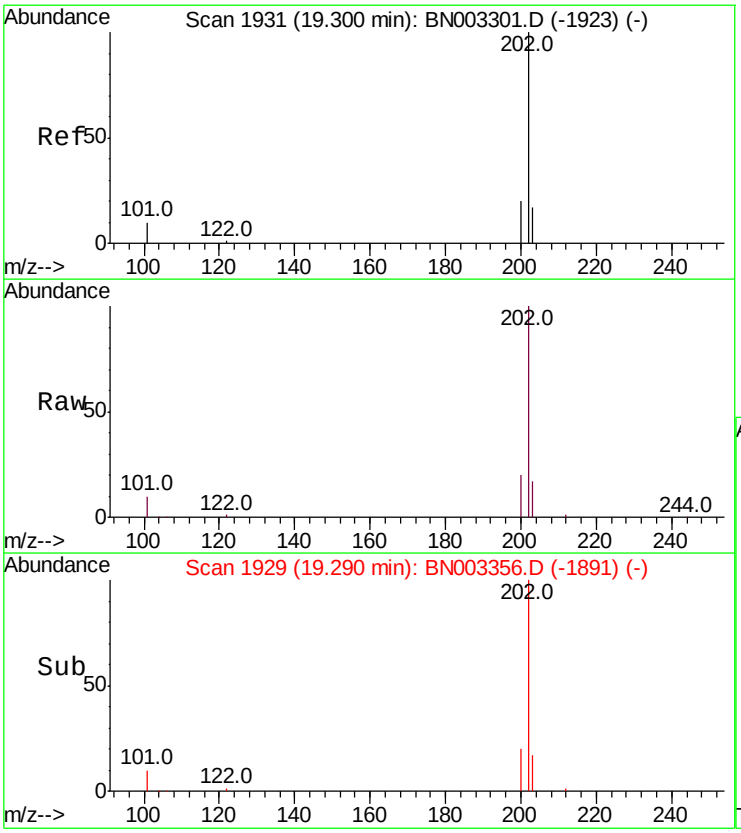
#25
Fluoranthene-d10
Concen: 0.361 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 104480

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

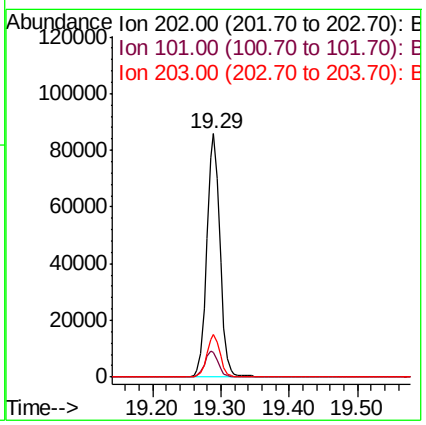


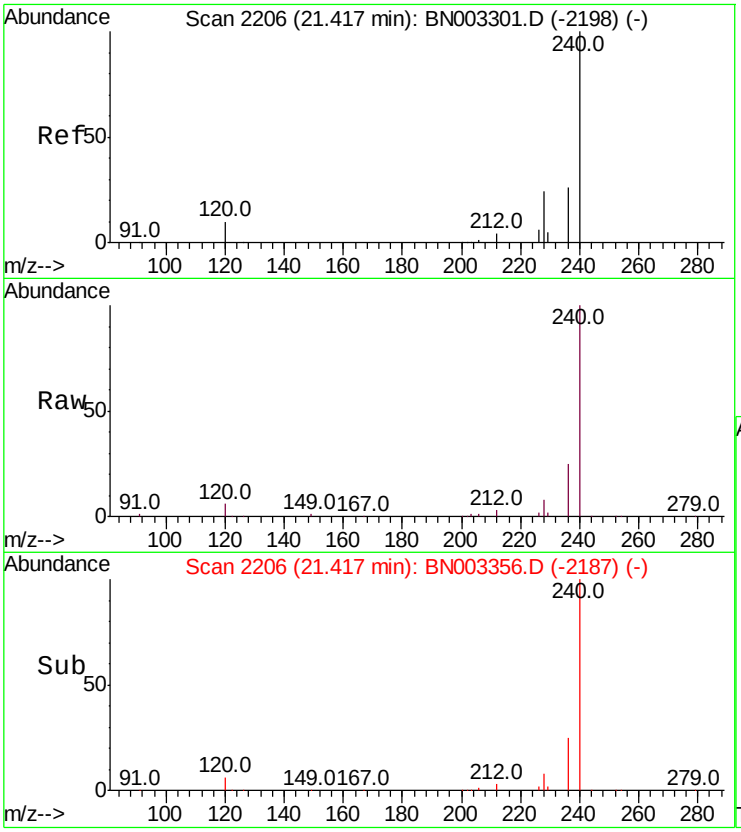


#26
Fluoranthene
Concen: 0.368 ng
RT: 19.29 min Scan# 1929
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Tgt Ion:202 Resp: 115455

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



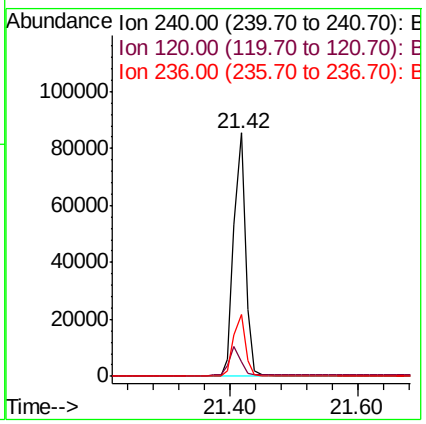


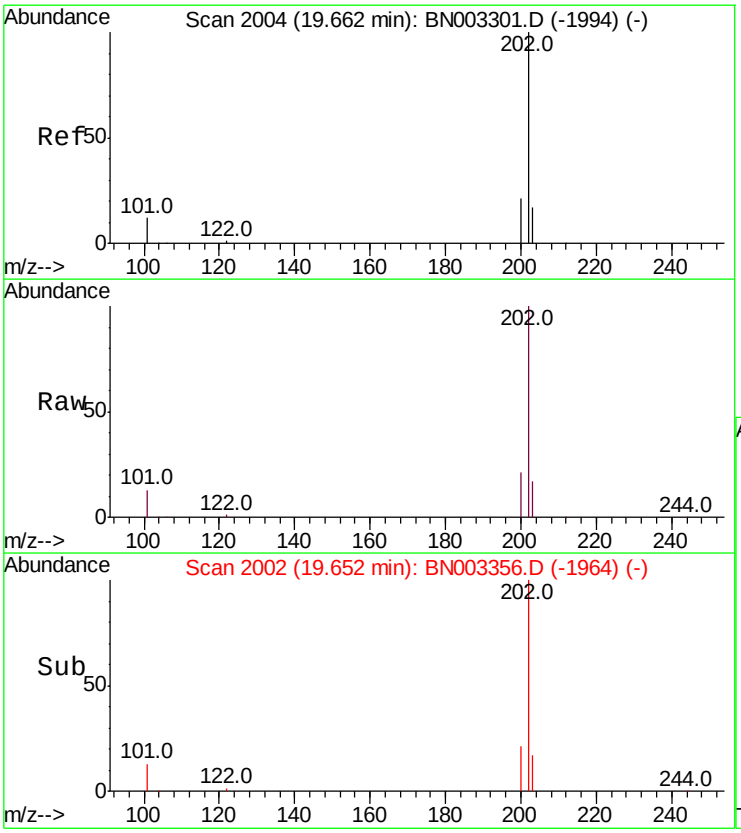
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.42 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 109514

Ion	Ratio	Lower	Upper
240	100		
120	6.2	9.3	13.9#
236	25.2	21.0	31.4

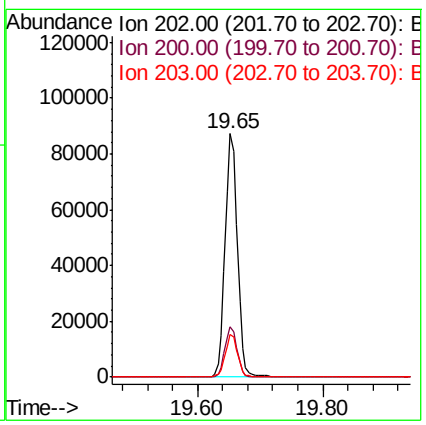


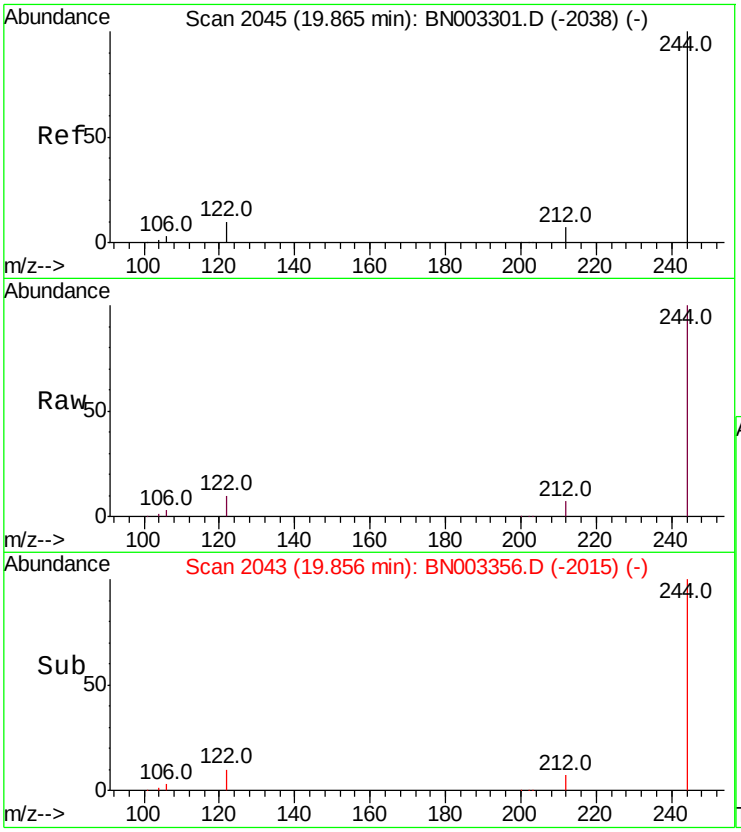


#28
Pyrene
Concen: 0.389 ng
RT: 19.65 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Tgt Ion:202 Resp: 117639

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.5	24.7
203	17.4	13.9	20.9



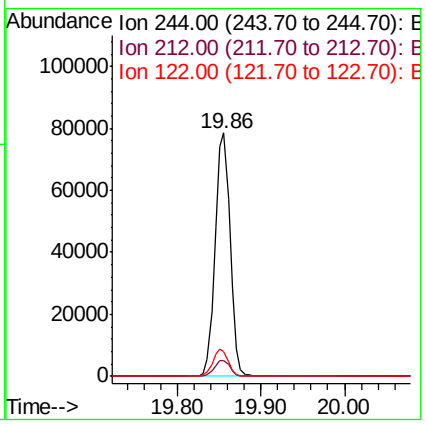


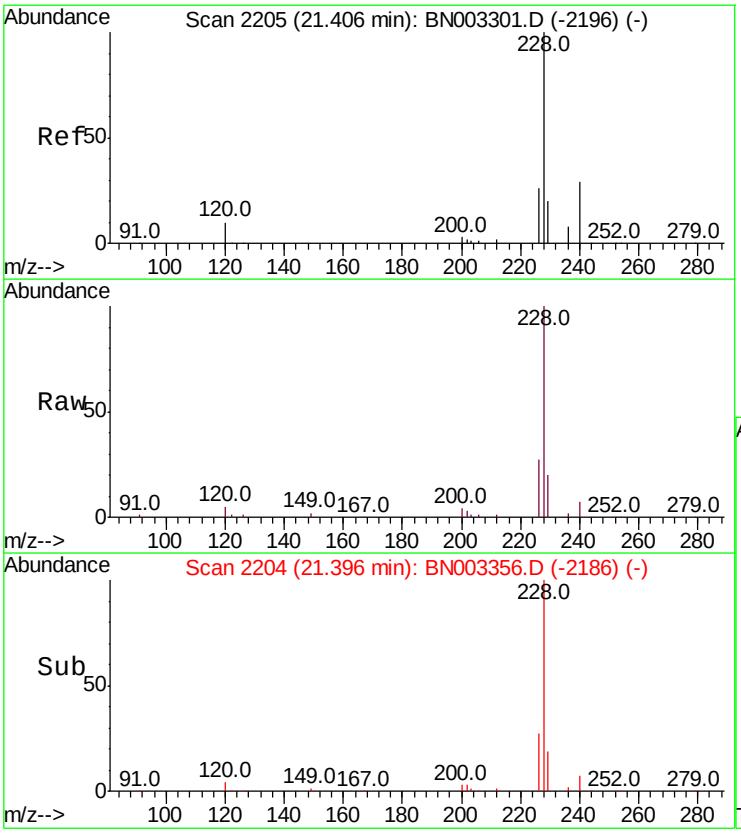
#29
Terphenyl-d14
Concen: 0.382 ng
RT: 19.86 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 97311

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	10.1	8.5	12.7

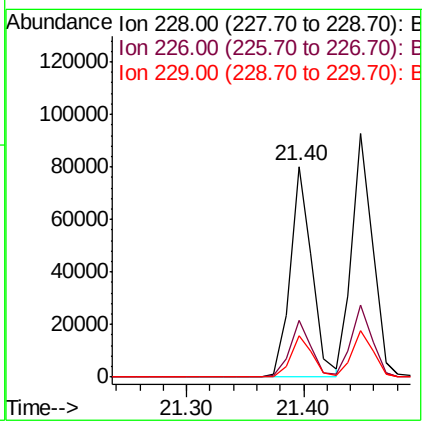


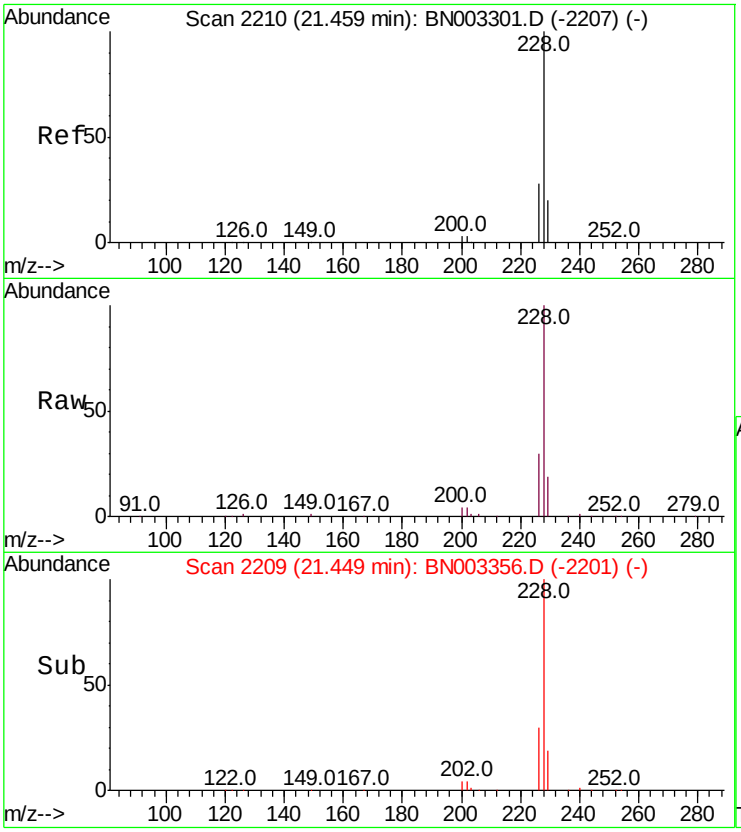


#30
Benzo(a)anthracene
Concen: 0.359 ng
RT: 21.40 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Tgt Ion:228 Resp: 103115

Ion	Ratio	Lower	Upper
228	100		
226	26.8	20.8	31.2
229	19.5	16.1	24.1



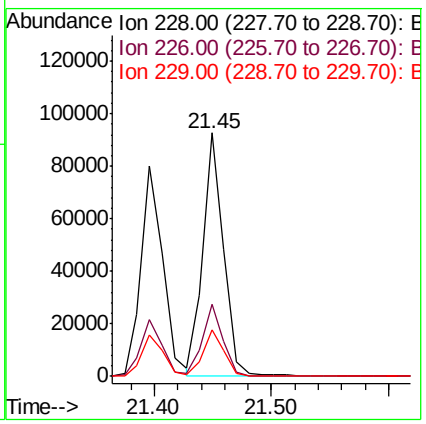


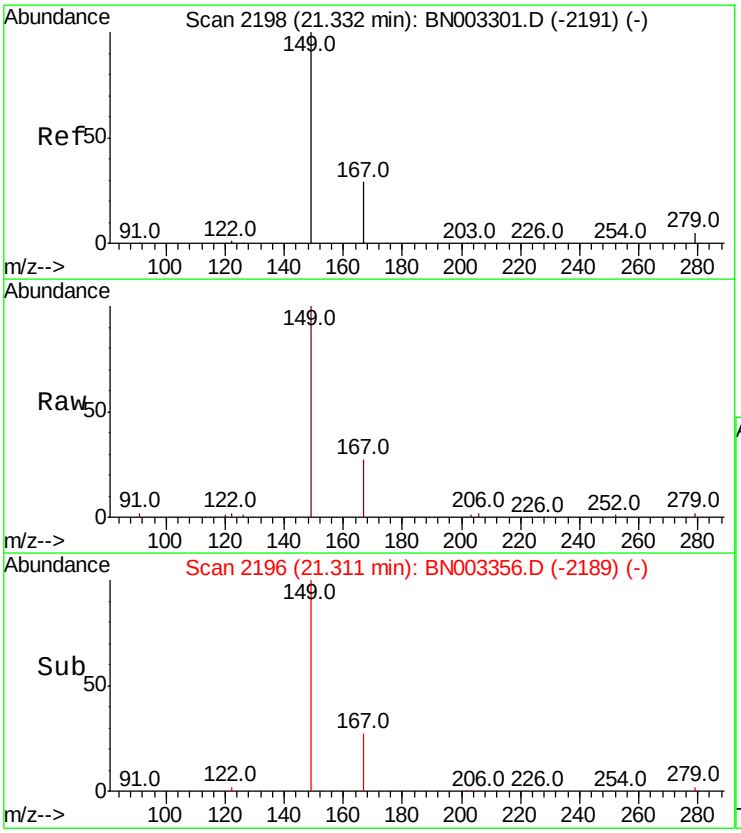
#31
Chrysene
Concen: 0.366 ng
RT: 21.45 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 113402

Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.7	34.1
229	19.1	16.0	24.0

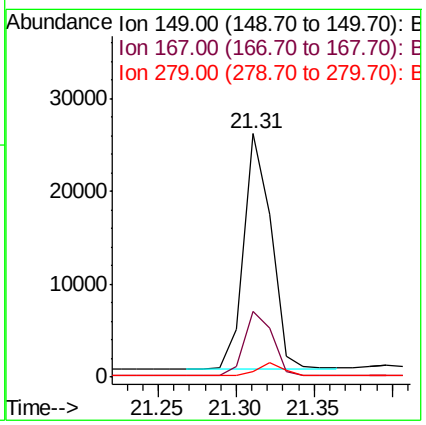


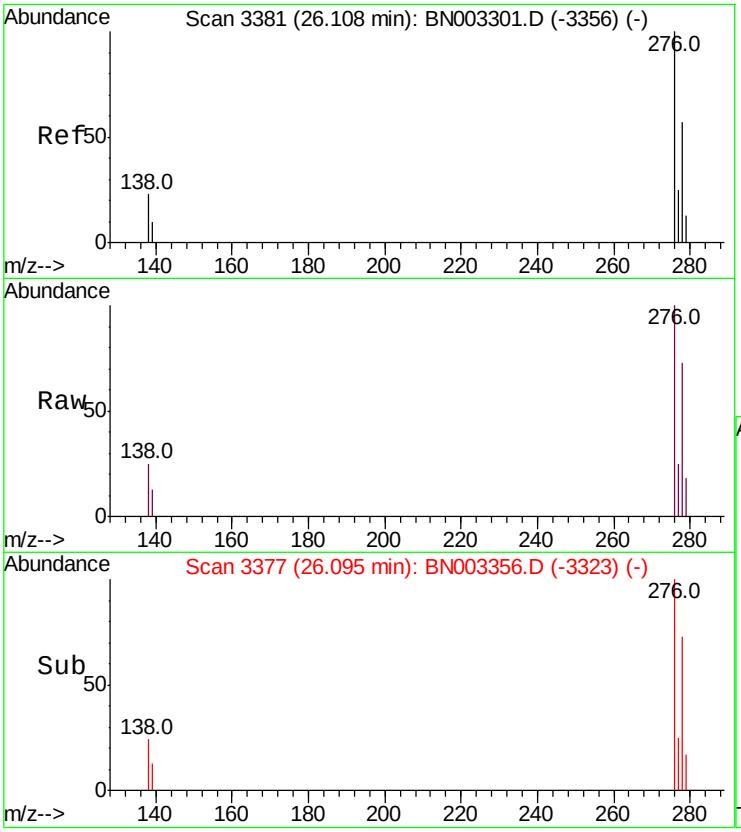


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.362 ng
RT: 21.31 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Tgt Ion:149 Resp: 30757

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.4	33.6
279	5.1	3.9	5.9



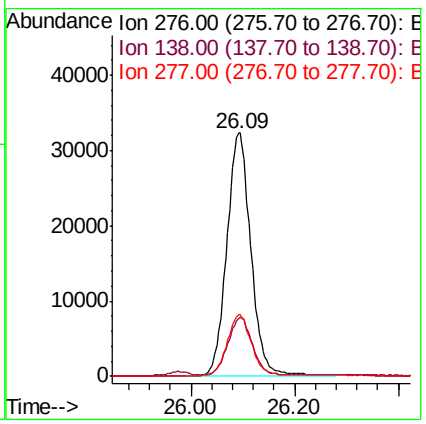


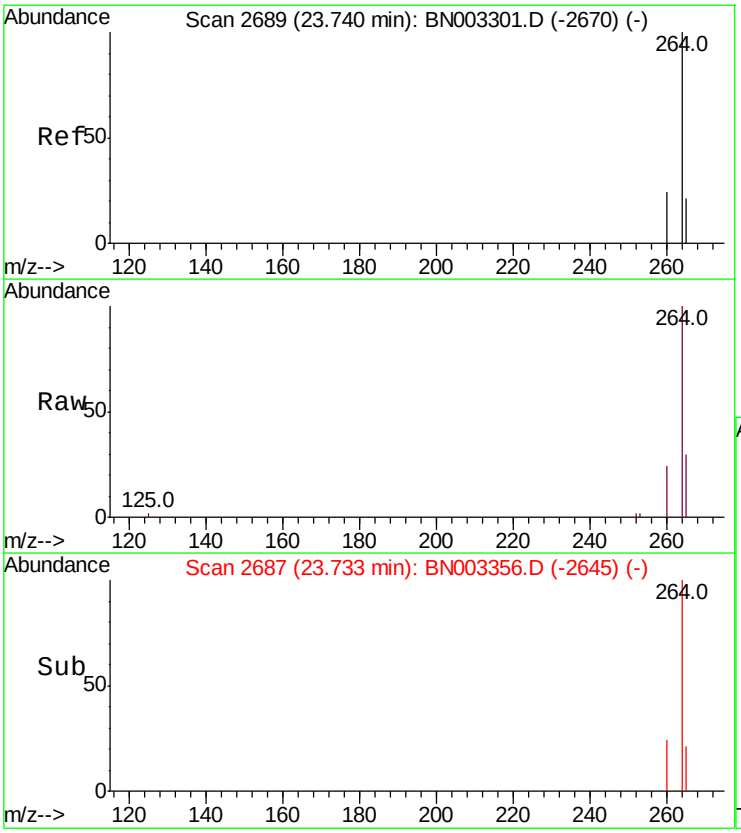
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.323 ng
RT: 26.09 min Scan# 3377
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 103664

Ion	Ratio	Lower	Upper
276	100		
138	24.3	20.6	30.8
277	25.0	20.0	30.0

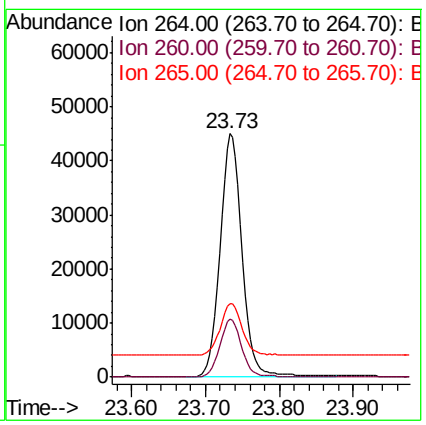


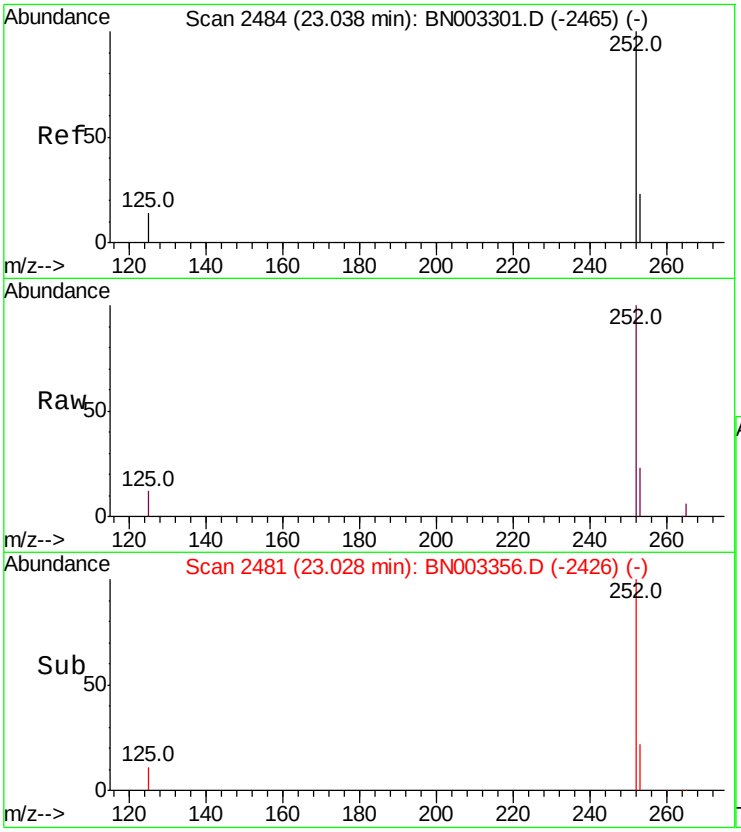


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.73 min Scan# 2687
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Tgt Ion:264 Resp: 91155

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	30.3	26.4	39.6



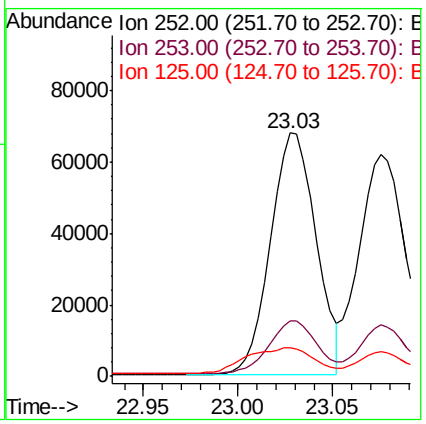


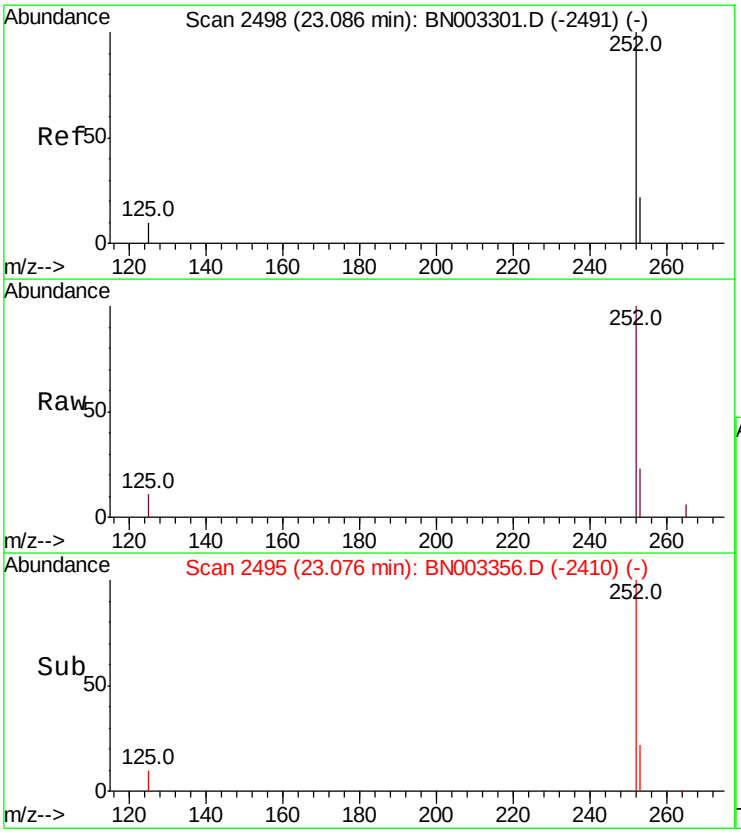
#35
Benzo(b)fluoranthene
Concen: 0.396 ng
RT: 23.03 min Scan# 2481
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 112727

Ion	Ratio	Lower	Upper
252	100		
253	22.7	19.3	28.9
125	11.7	12.7	19.1#

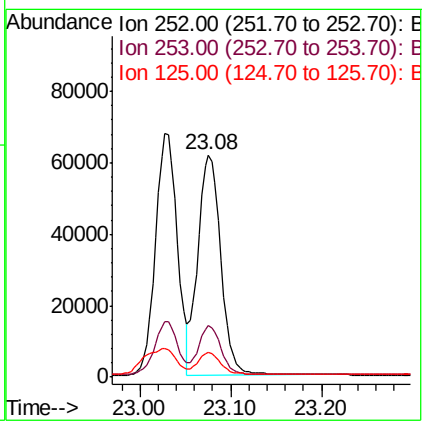


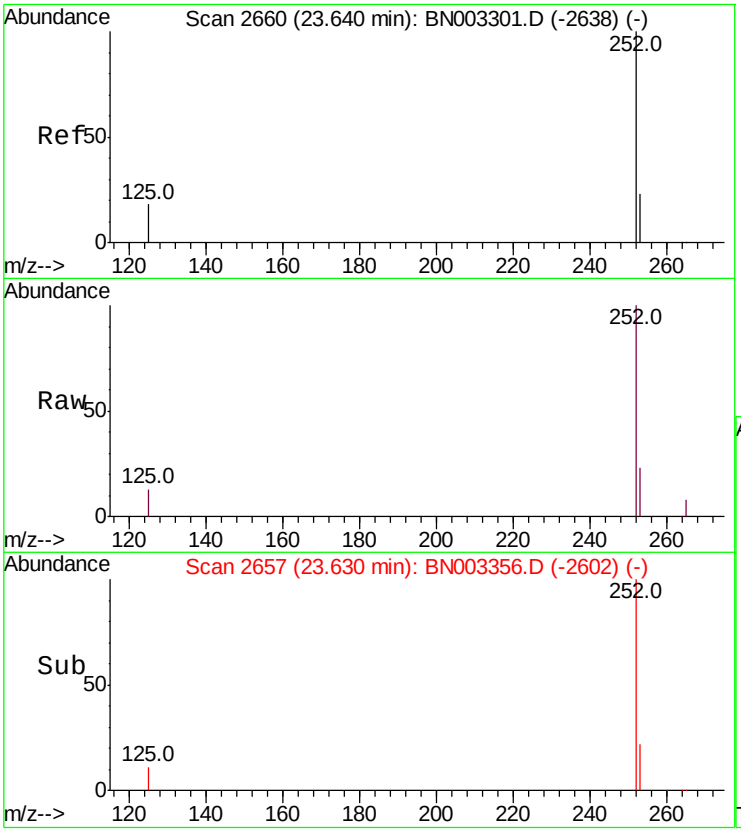


#36
Benzo(k)fluoranthene
Concen: 0.384 ng
RT: 23.08 min Scan# 2495
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Tgt Ion:252 Resp: 108308

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.5	27.7
125	11.1	9.1	13.7



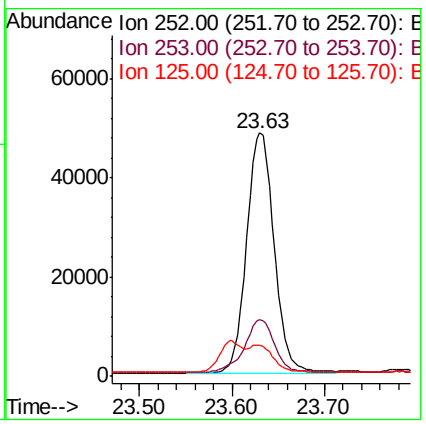


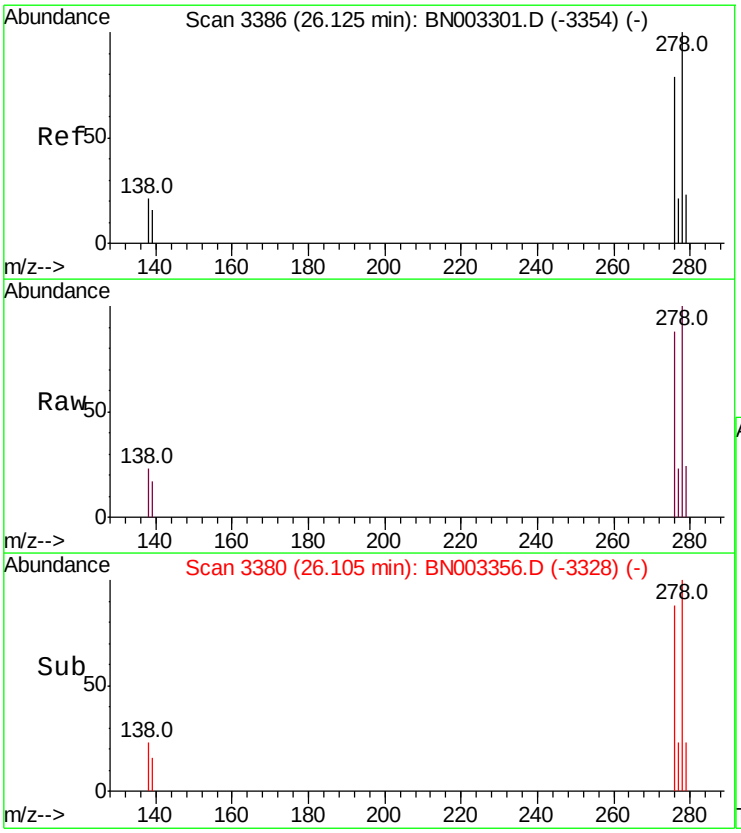
#37
Benzo(a)pyrene
Concen: 0.387 ng
RT: 23.63 min Scan# 2657
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 100086

Ion	Ratio	Lower	Upper
252	100		
253	23.2	20.1	30.1
125	12.9	16.0	24.0#

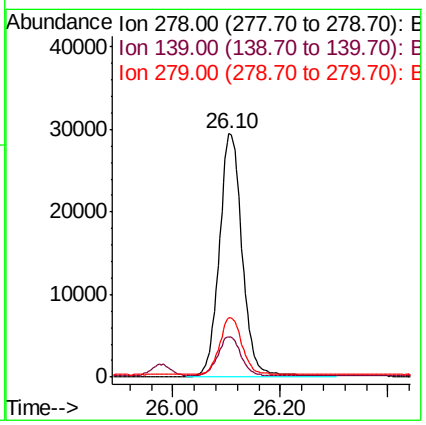


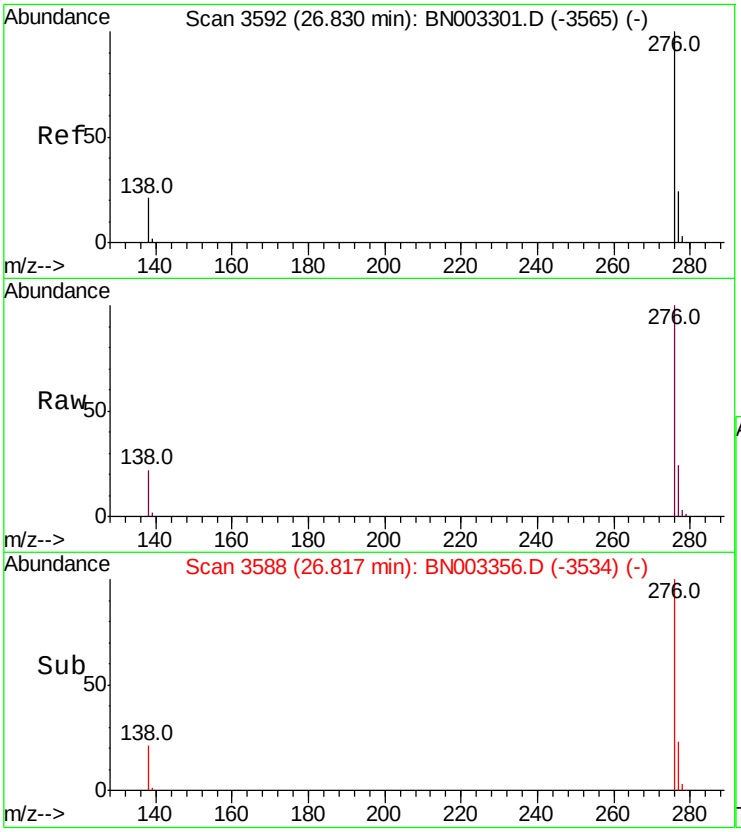


#38
Dibenzo(a,h)anthracene
Concen: 0.359 ng
RT: 26.10 min Scan# 3380
Delta R.T. -0.02 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Tgt Ion:278 Resp: 86465

Ion	Ratio	Lower	Upper
278	100		
139	16.6	13.5	20.3
279	24.3	19.8	29.6





#39
Benzo(g,h,i)perylene
Concen: 0.347 ng
RT: 26.82 min Scan# 3588
Delta R.T. -0.01 min
Lab File: BN003356.D
Acq: 30 Oct 2018 12:03

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 83716

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.5	29.3
138	21.7	17.4	26.2