Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042120\
Data File : BN010560.D
Acq On : 21 Apr 2020 11:07
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4

Quant Time: Apr 21 13:14:29 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 13 18:04:22 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	3356	0.40	ng		-0.02
7) Naphthalene-d8	10.35	136	14024	0.40	ng		-0.01
13) Acenaphthene-d10	14.21	164	8961	0.40	ng		-0.02
19) Phenanthrene-d10	16.96	188	20200	0.40	ng		-0.02
27) Chrysene-d12	21.17	240	18426	0.40	ng		-0.01
34) Perylene-d12	23.35	264	16117	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.24	112	3100	0.42	ng		0.00
5) Phenol-d6	6.78	99	3861	0.40	ng		-0.02
8) Nitrobenzene-d5	8.73	82	3808	0.39	ng		-0.01
11) 2-Methylnaphthalene-d10	11.95	152	10584	0.46	ng		-0.01
14) 2,4,6-Tribromophenol	15.72	330	1341	0.32	ng		0.00
15) 2-Fluorobiphenyl	12.84	172	13192	0.40	ng		0.00
25) Fluoranthene-d10	19.00	212	26425	0.43	ng		-0.01
29) Terphenyl-d14	19.62	244	17908	0.42	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.24	88	962	0.389	ng		96
3) n-Nitrosodimethylamine	3.56	42	651	0.406	ng	#	87
6) bis(2-Chloroethyl)ether	7.03	93	3469	0.417	ng		98
9) Naphthalene	10.41	128	14187	0.407	ng		100
10) Hexachlorobutadiene	10.70	225	3444	0.410	ng	#	99
12) 2-Methylnaphthalene	12.02	142	10257	0.410	ng		99
16) Acenaphthylene	13.93	152	14366	0.371	ng		99
17) Acenaphthene	14.28	154	9996	0.402	ng		100
18) Fluorene	15.27	166	13047	0.400	ng		100
20) 4-Bromophenyl-phenylether	16.17	248	4380	0.390	ng	#	81
21) Hexachlorobenzene	16.28	284	5455	0.426	ng		98
22) Pentachlorophenol	16.63	266	1444	0.287	ng		97
23) Phenanthrene	17.01	178	22220	0.407	ng		99
24) Anthracene	17.10	178	18341	0.368	ng		100
26) Fluoranthene	19.03	202	26678	0.393	ng		100
28) Pyrene	19.40	202	26298	0.424	ng		100
30) Benzo(a)anthracene	21.15	228	21718	0.361	ng		98
31) Chrysene	21.21	228	24240	0.405	ng		99
32) Bis(2-ethylhexyl)phthalate	21.11	149	8395	0.272	ng		99
33) Indeno(1,2,3-cd)pyrene	25.49	276	22851	0.432	ng		100
35) Benzo(b)fluoranthene	22.70	252	21607	0.407	ng		99
36) Benzo(k)fluoranthene	22.75	252	21802	0.410	ng		99
37) Benzo(a)pyrene	23.25	252	18318	0.390	ng		99
38) Dibenzo(a,h)anthracene	25.50	278	18213	0.424	ng		98
39) Benzo(g,h,i)perylene	26.14	276	19211	0.444	ng		99

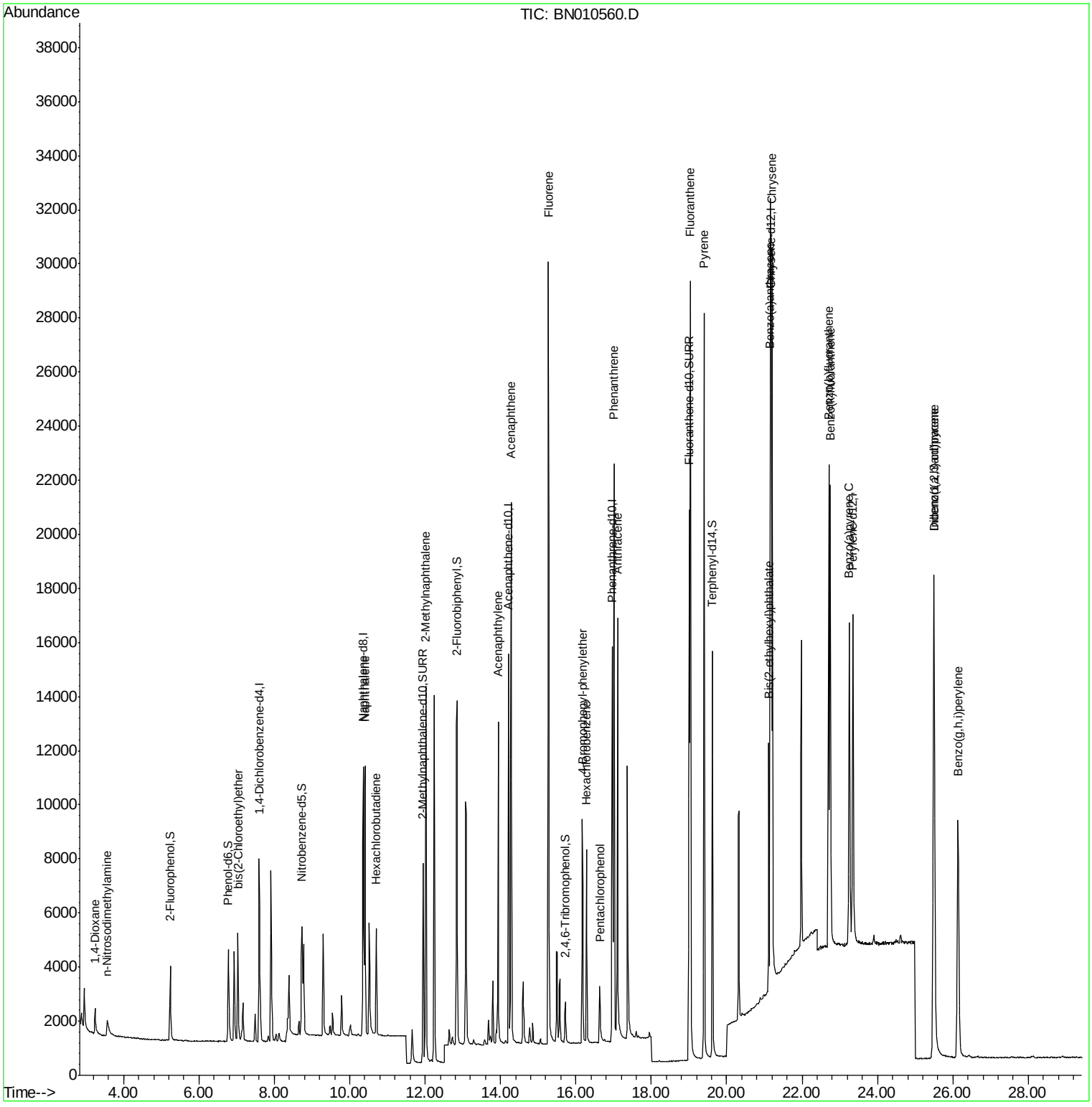
(#) = qualifier out of range (m) = manual integration (+) = signals summed

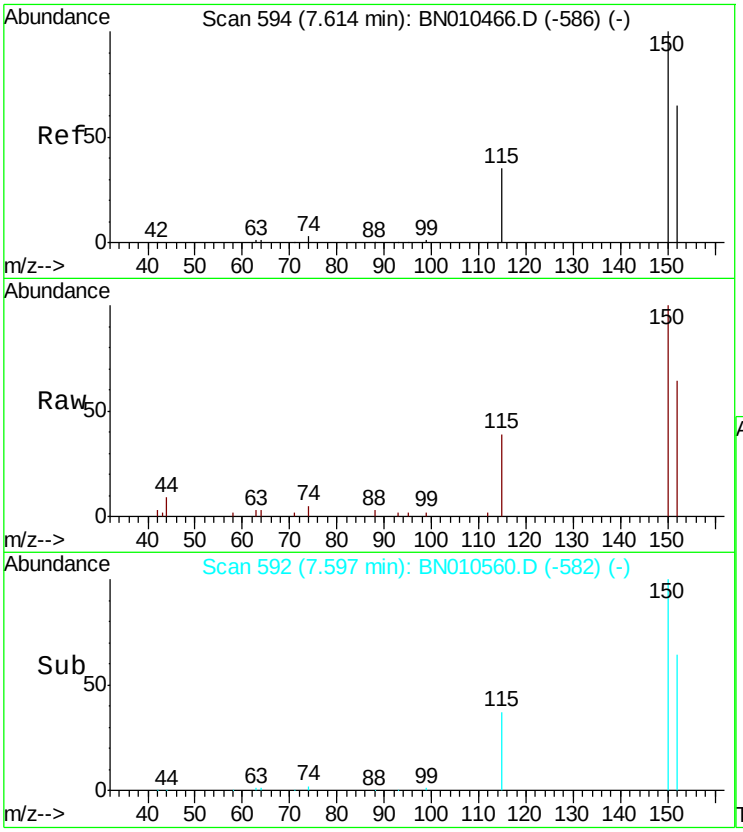
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042120\
Data File : BN010560.D
Acq On : 21 Apr 2020 11:07
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Apr 21 13:14:29 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 13 18:04:22 2020
Response via : Initial Calibration



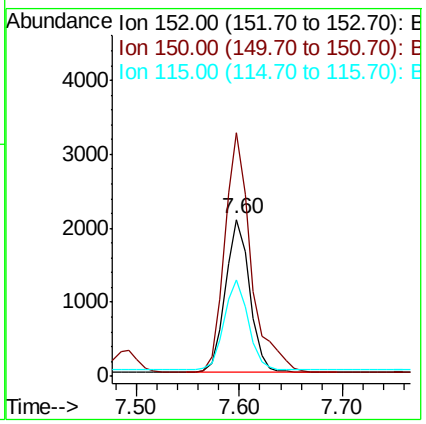


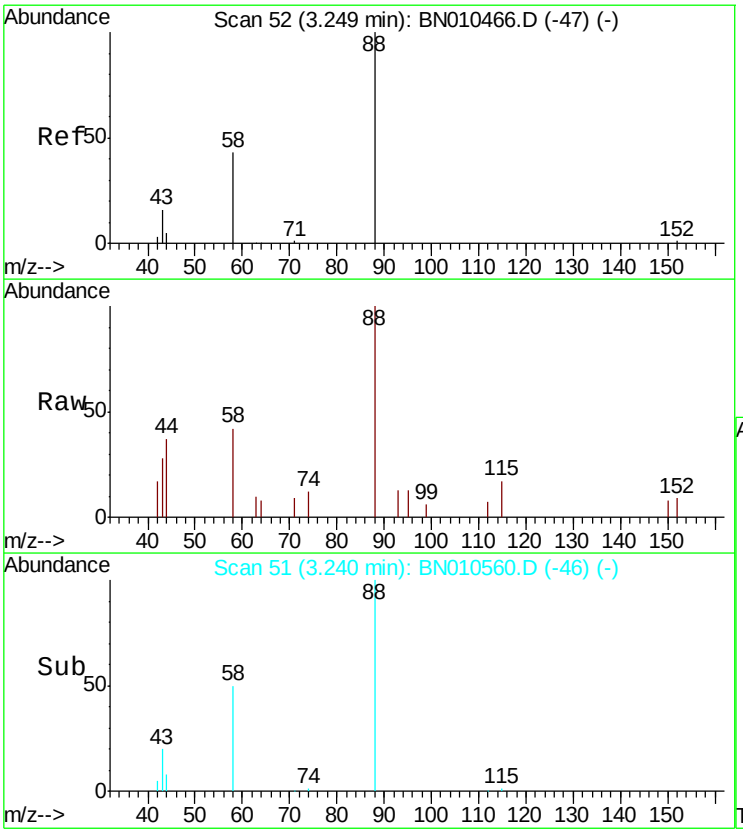
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.60 min Scan# 592
Delta R.T. -0.02 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3356

Ion	Ratio	Lower	Upper
152	100		
150	155.5	121.8	182.6
115	61.3	45.5	68.3

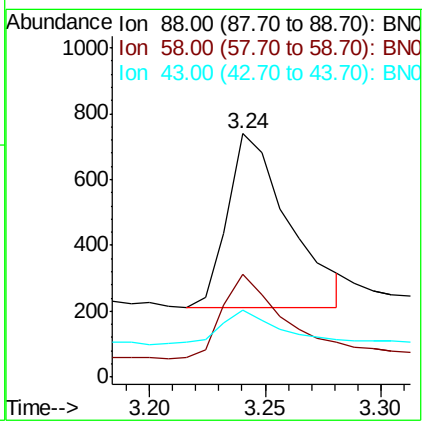


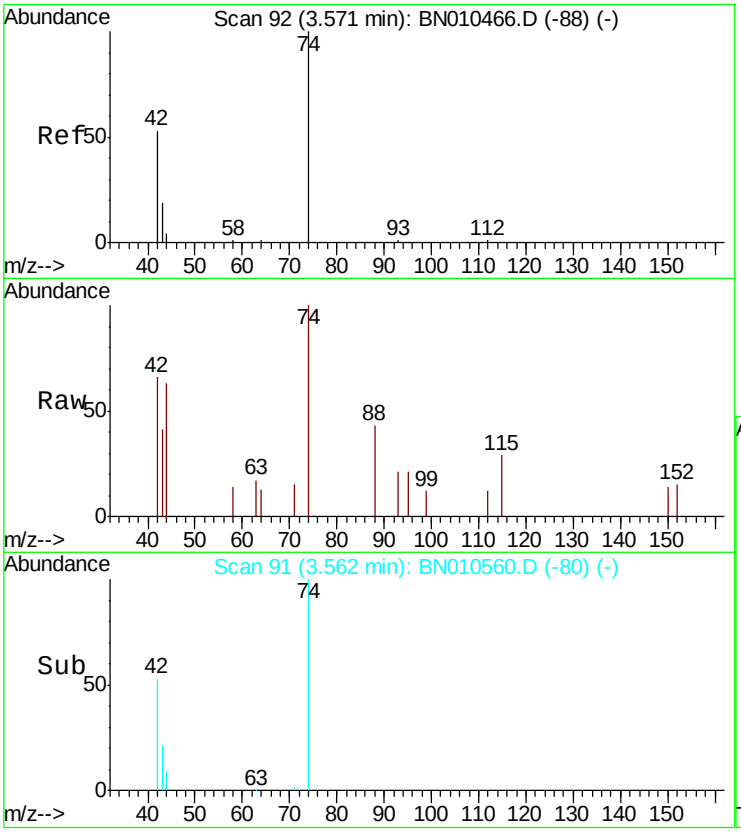


#2
1,4-Dioxane
Concen: 0.389 ng
RT: 3.24 min Scan# 51
Delta R.T. -0.01 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Tgt Ion: 88 Resp: 962

Ion	Ratio	Lower	Upper
88	100		
58	48.6	36.5	54.7
43	17.5	13.2	19.8



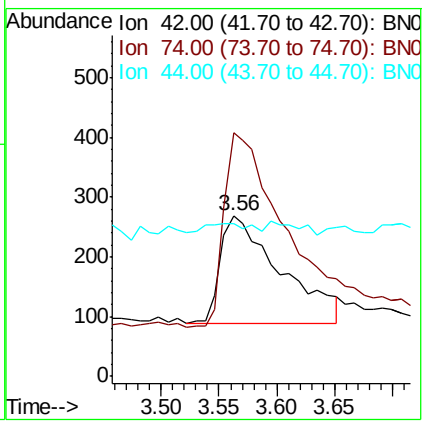


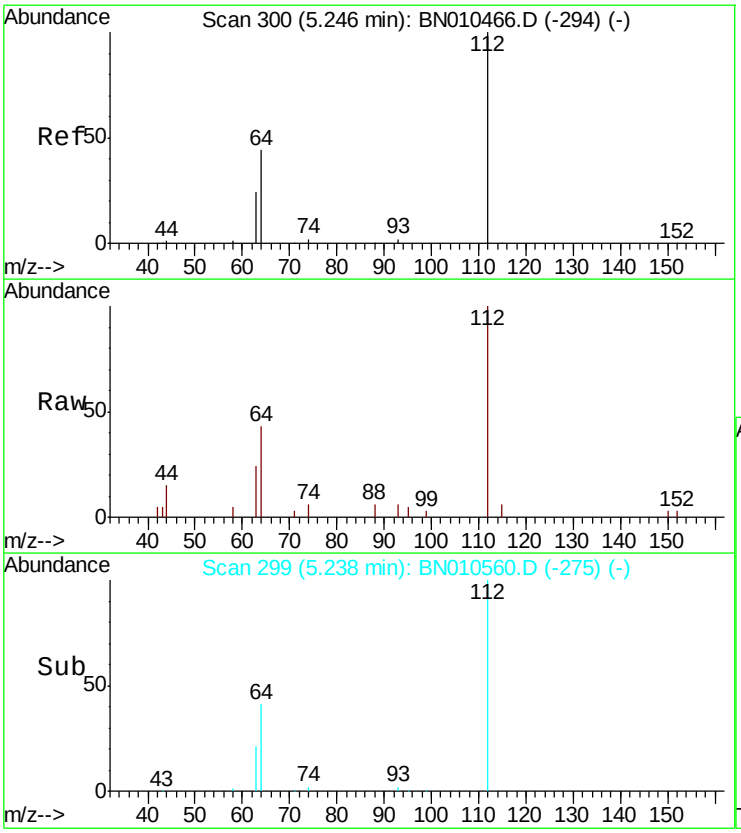
#3
n-Nitrosodimethylamine
Concen: 0.406 ng
RT: 3.56 min Scan# 91
Delta R.T. -0.01 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 651

Ion	Ratio	Lower	Upper
42	100		
74	182.5	162.2	243.4
44	6.1	2.4	3.6#

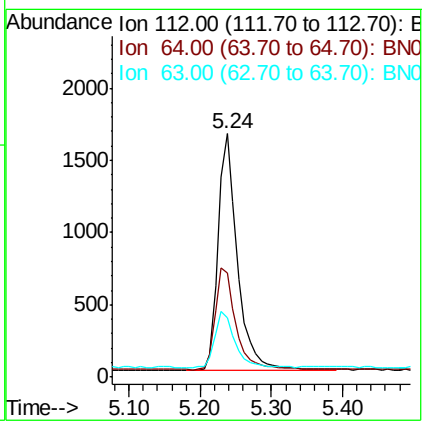


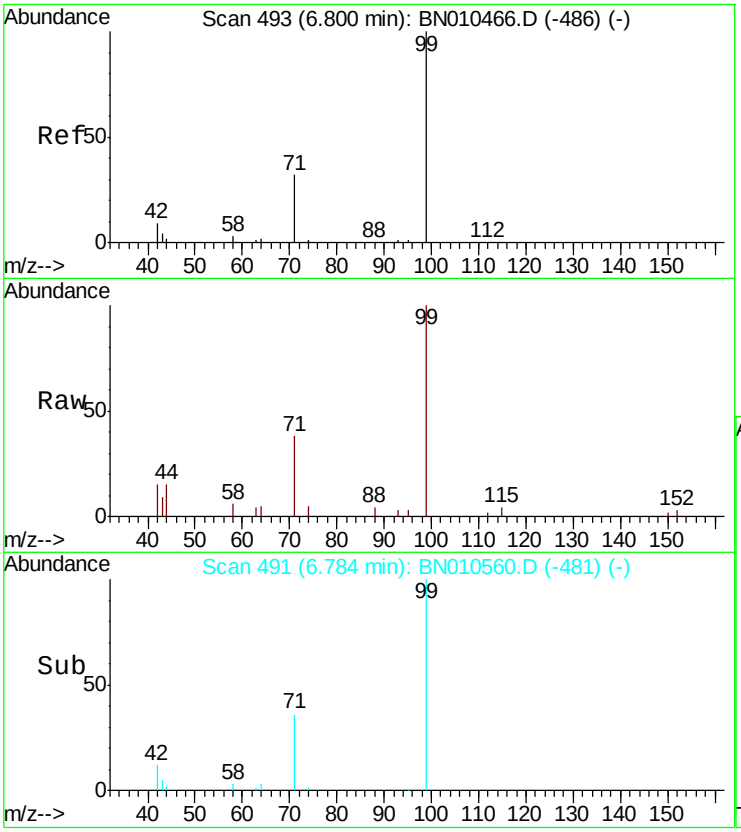


#4
2-Fluorophenol
Concen: 0.422 ng
RT: 5.24 min Scan# 299
Delta R.T. -0.01 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Tgt Ion:112 Resp: 3100

Ion	Ratio	Lower	Upper
112	100		
64	45.4	35.8	53.8
63	24.6	19.9	29.9



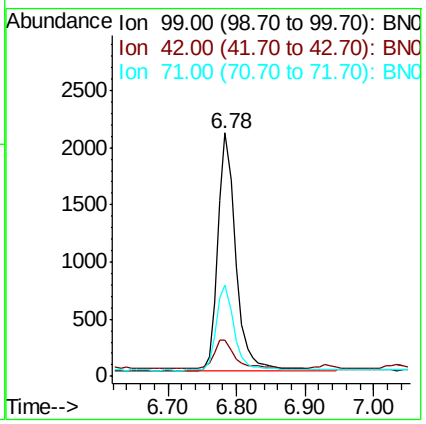


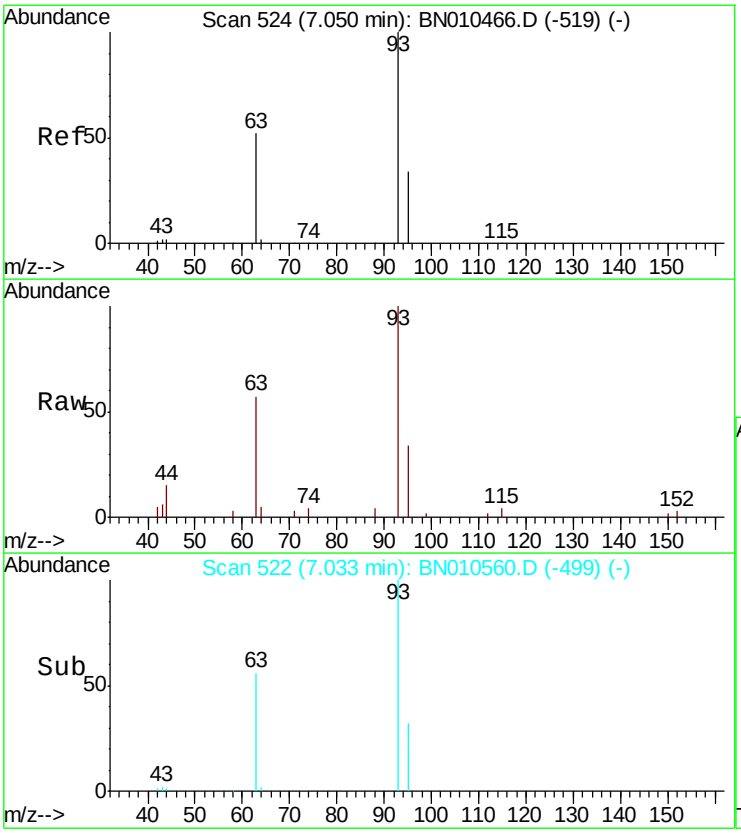
#5
Phenol-d6
Concen: 0.402 ng
RT: 6.78 min Scan# 491
Delta R.T. -0.02 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 3861

Ion	Ratio	Lower	Upper
99	100		
42	14.0	9.8	14.6
71	36.4	27.8	41.8

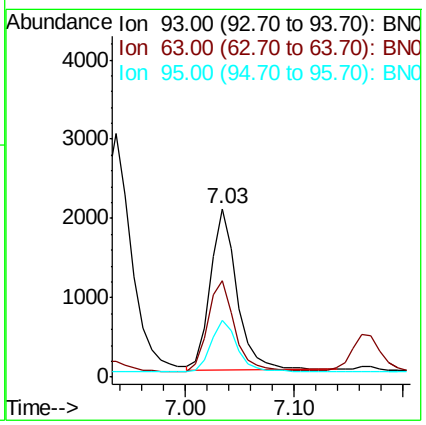


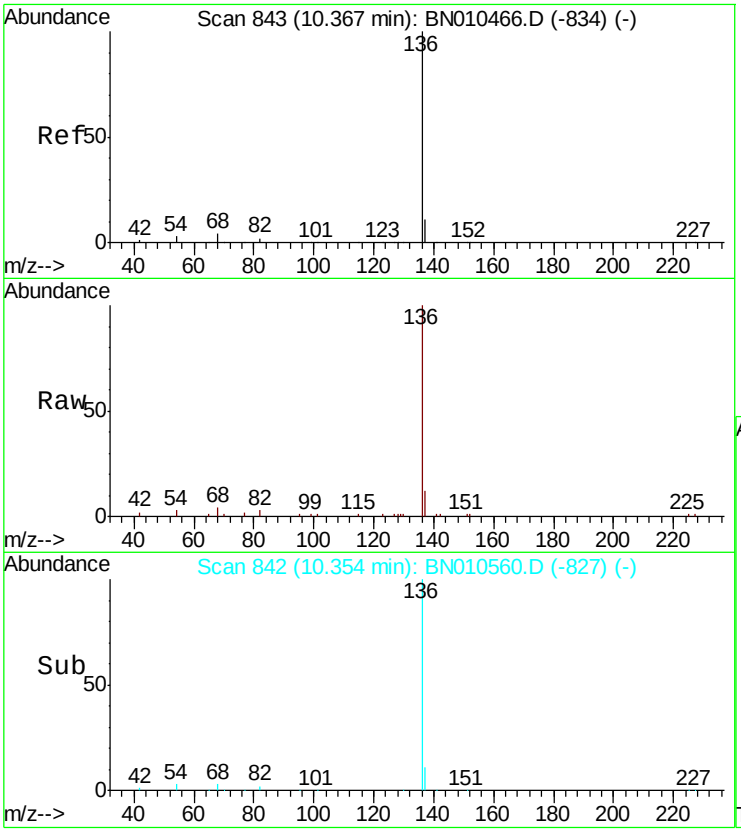


#6
bis(2-Chloroethyl)ether
Concen: 0.417 ng
RT: 7.03 min Scan# 522
Delta R.T. -0.02 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Tgt Ion: 93 Resp: 3469

Ion	Ratio	Lower	Upper
93	100		
63	57.3	44.6	66.8
95	32.5	26.5	39.7



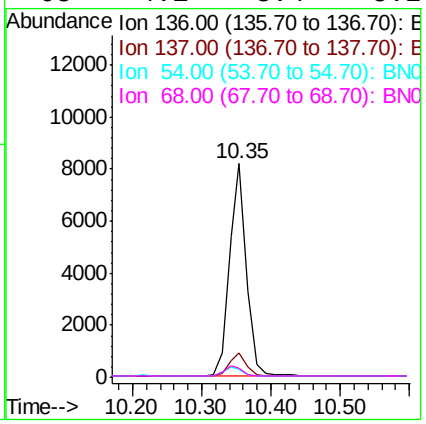


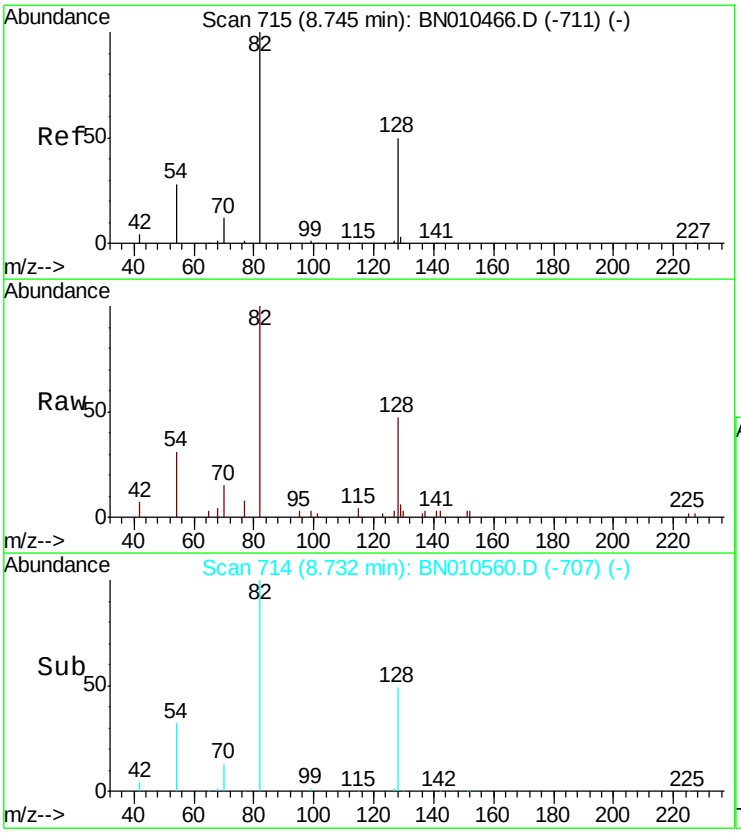
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.35 min Scan# 842
Delta R.T. -0.01 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 14024

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	3.5	2.6	4.0
68	4.1	3.4	5.2

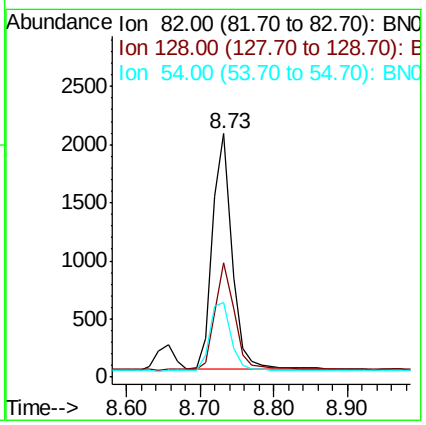


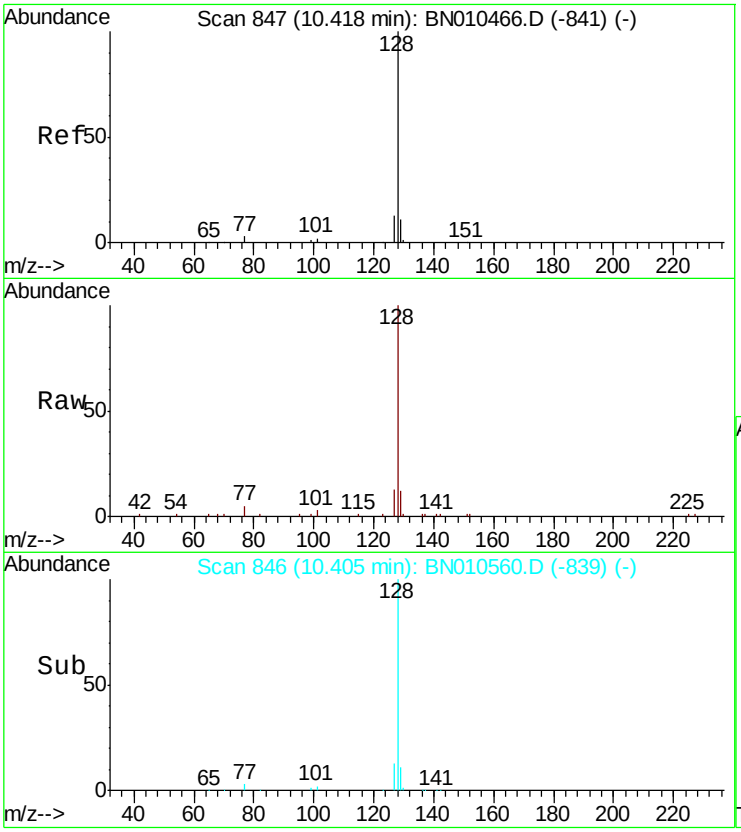


#8
Nitrobenzene-d5
Concen: 0.388 ng
RT: 8.73 min Scan# 714
Delta R.T. -0.01 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Tgt Ion: 82 Resp: 3808

Ion	Ratio	Lower	Upper
82	100		
128	46.8	41.3	61.9
54	30.6	23.4	35.0



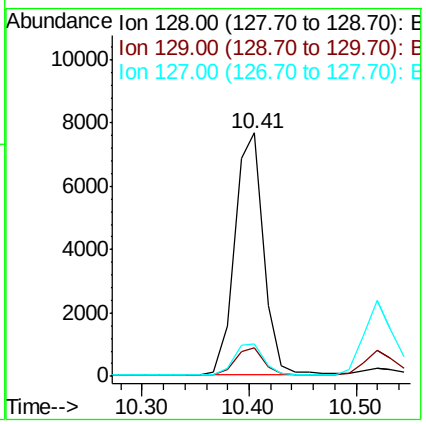


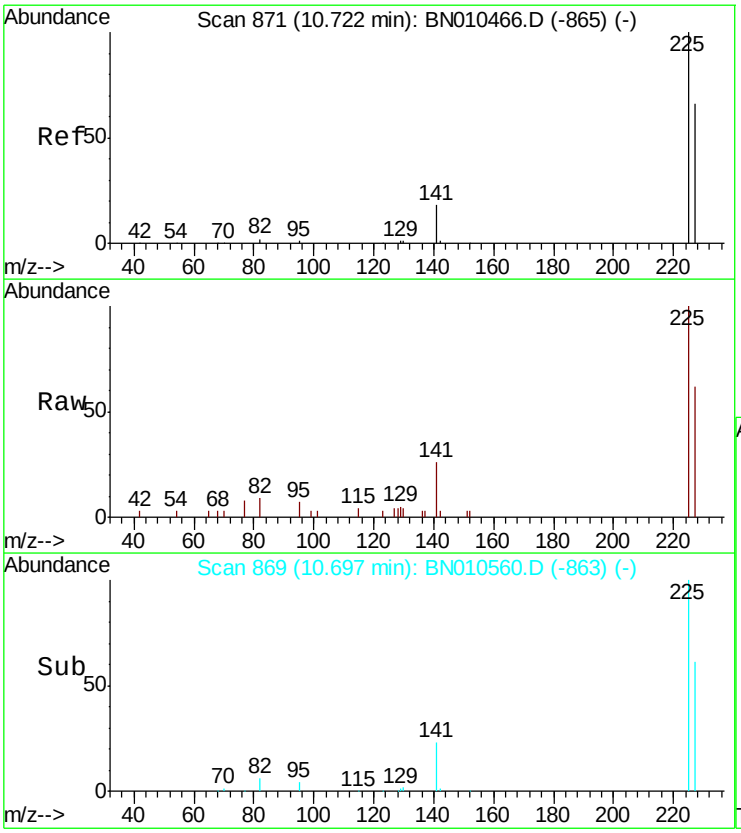
#9
Naphthalene
Concen: 0.407 ng
RT: 10.41 min Scan# 846
Delta R.T. -0.01 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 14187

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.3	13.9
127	13.2	10.5	15.7

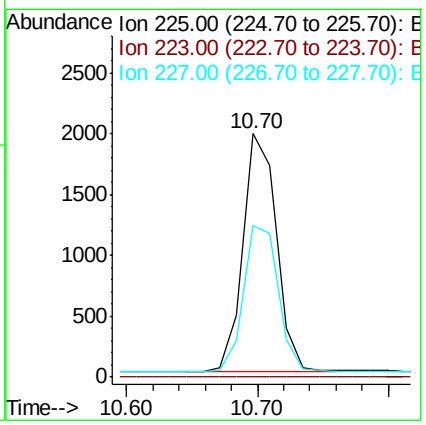


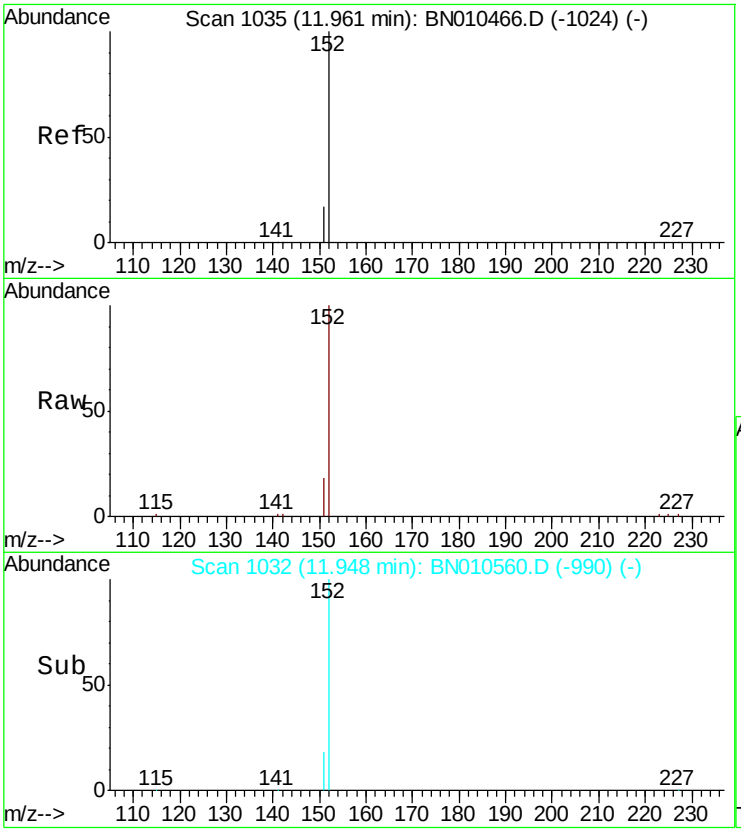


#10
Hexachlorobutadiene
Concen: 0.410 ng
RT: 10.70 min Scan# 869
Delta R.T. -0.03 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Tgt Ion:225 Resp: 3444

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	50.6	76.0



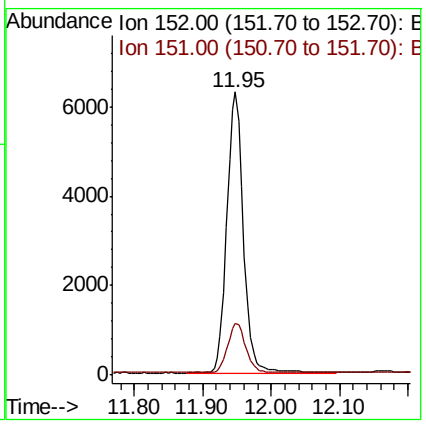


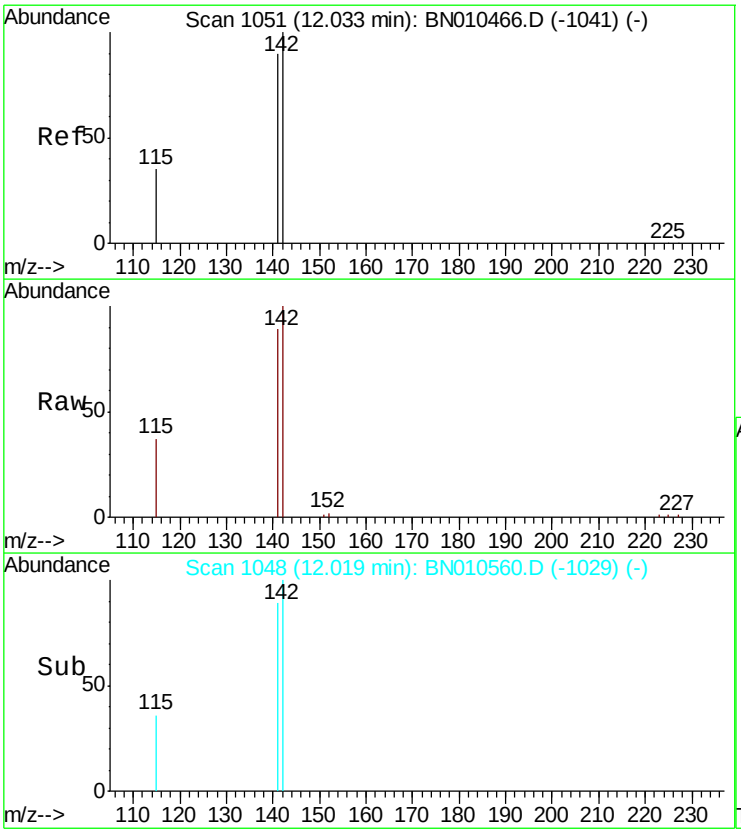
#11
2-Methylnaphthalene-d10
Concen: 0.459 ng
RT: 11.95 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 10584

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.3	22.9

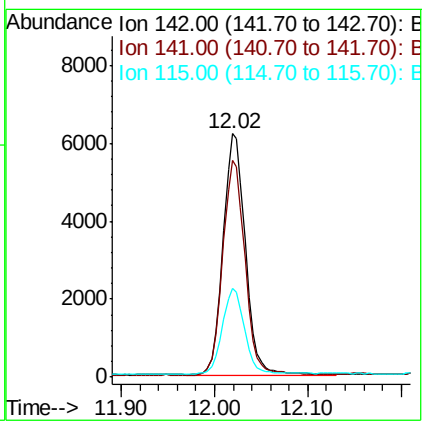


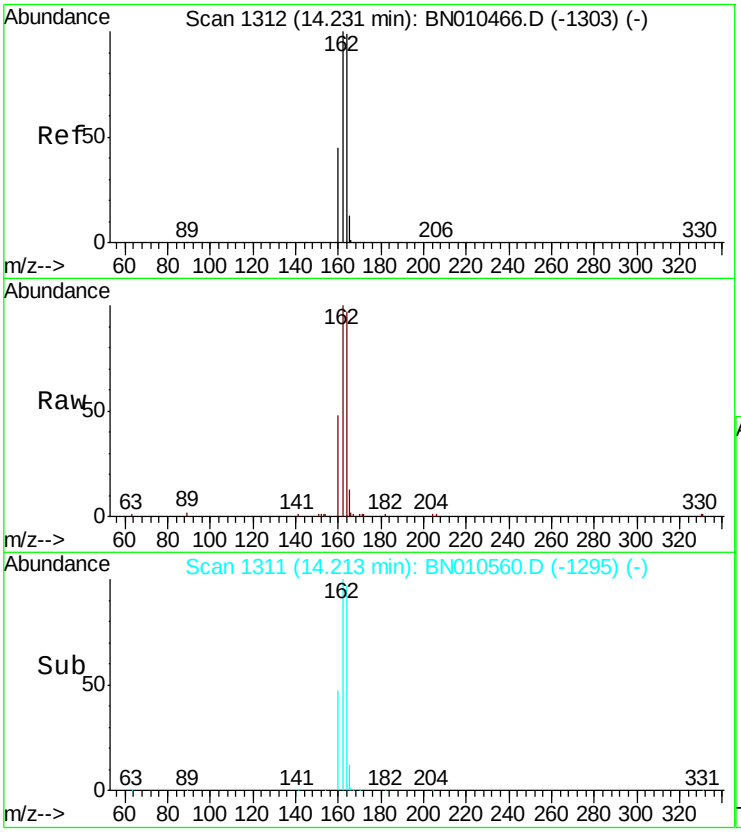


#12
2-Methylnaphthalene
Concen: 0.410 ng
RT: 12.02 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Tgt Ion:142 Resp: 10257

Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.9	107.9
115	36.5	28.8	43.2



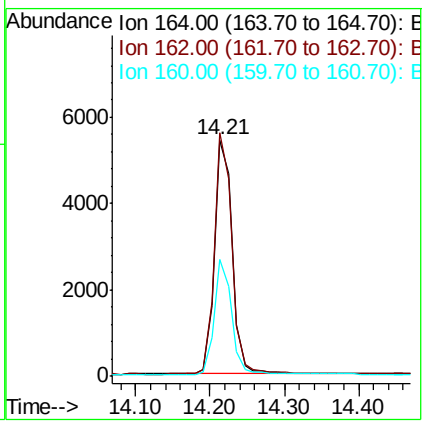


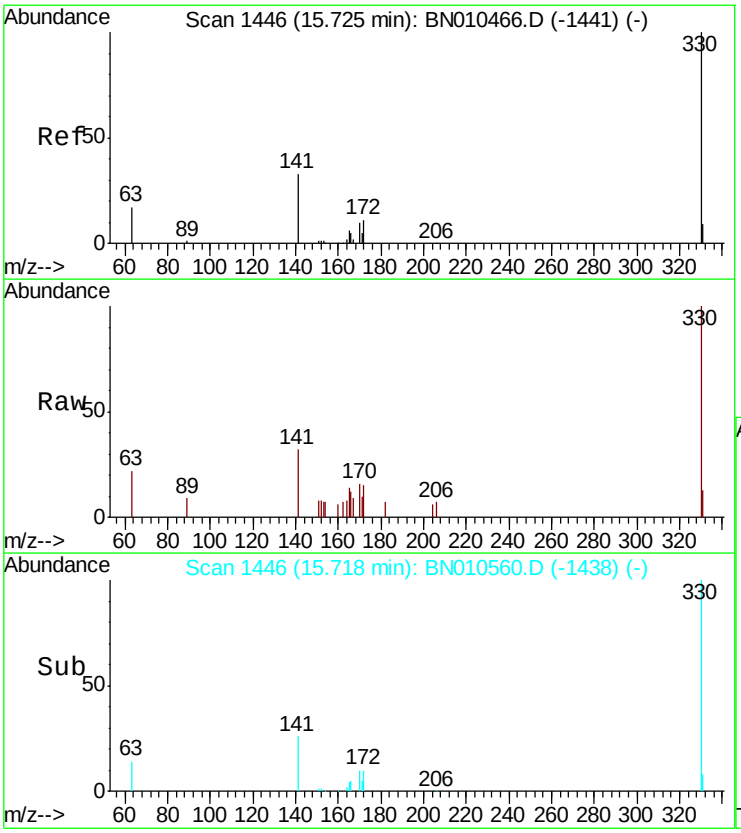
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.21 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 8961

Ion	Ratio	Lower	Upper
164	100		
162	103.2	80.6	121.0
160	49.3	36.5	54.7

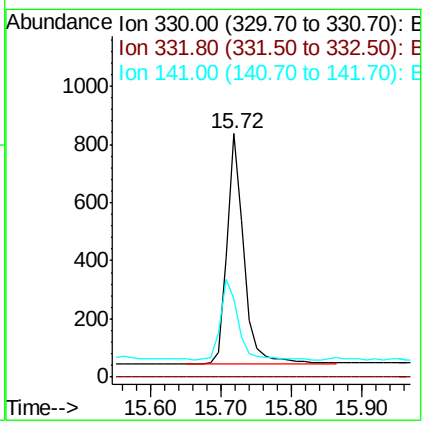


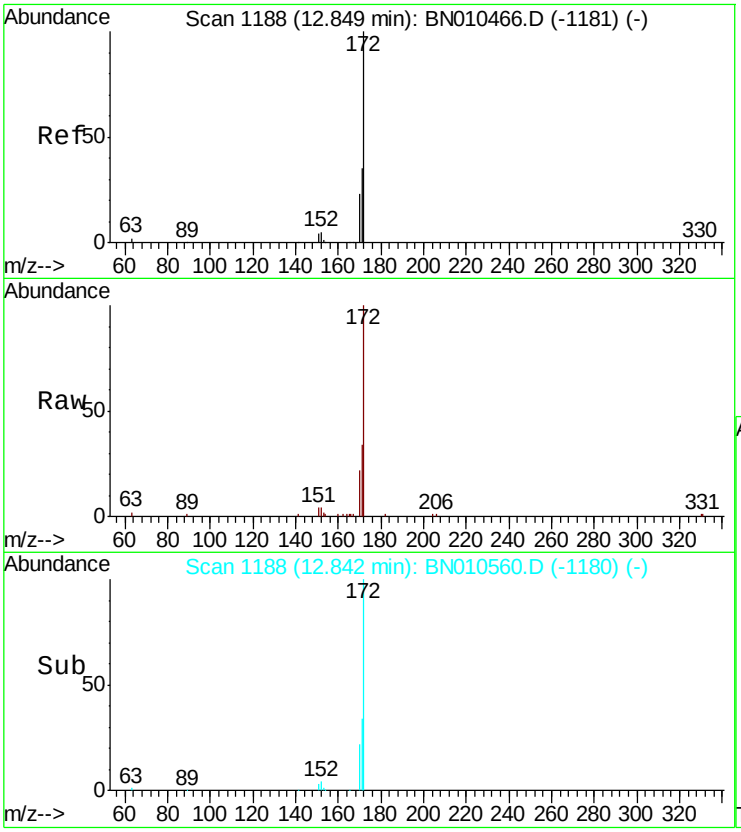


#14
2,4,6-Tribromophenol
Concen: 0.317 ng
RT: 15.72 min Scan# 1446
Delta R.T. -0.01 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Tgt Ion:330 Resp: 1341

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	36.5	28.1	42.1



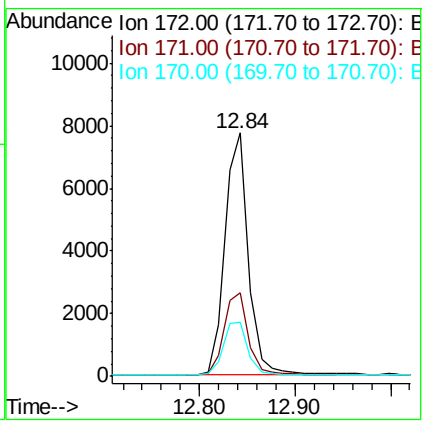


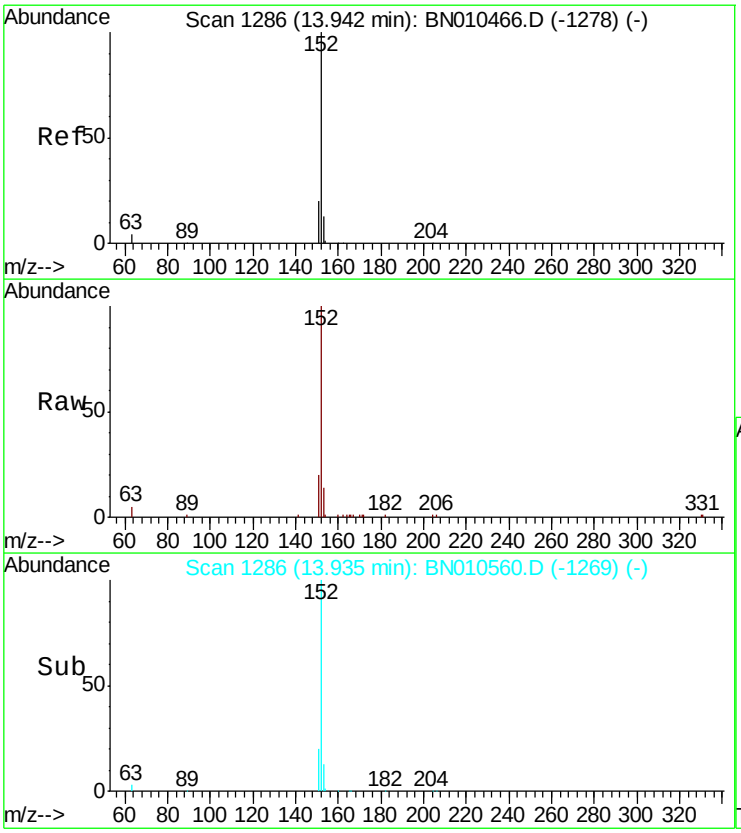
#15
2-Fluorobiphenyl
Concen: 0.405 ng
RT: 12.84 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 13192

Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.2	42.2
170	22.0	18.4	27.6

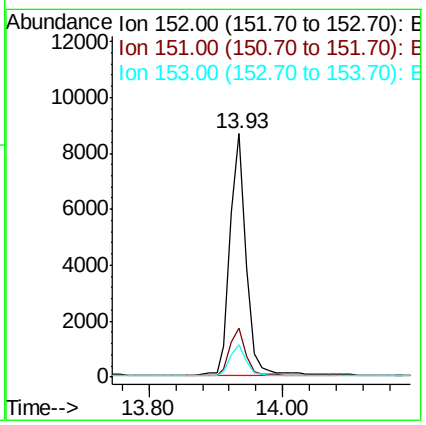


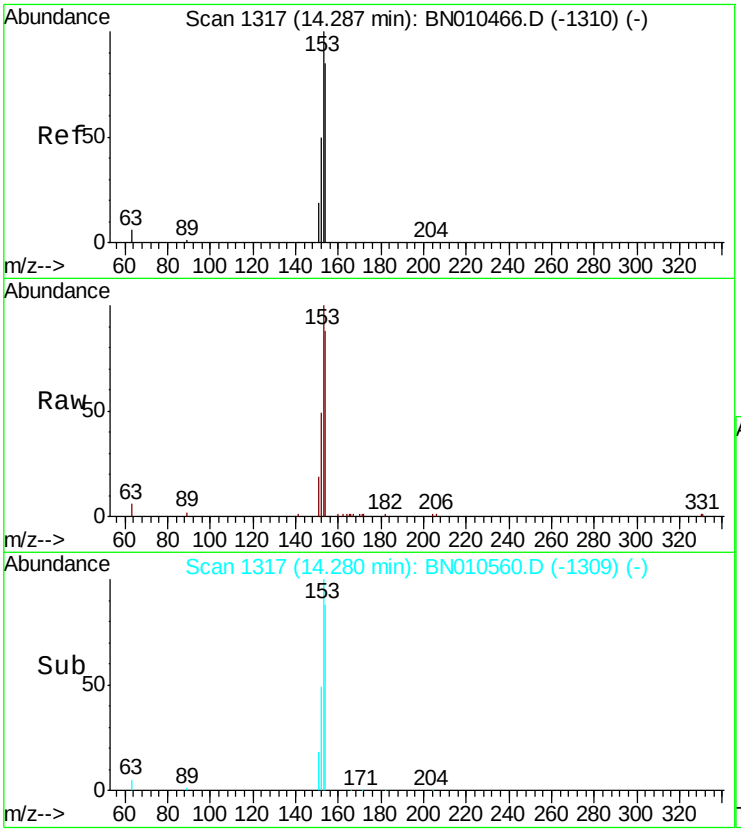


#16
Acenaphthylene
Concen: 0.371 ng
RT: 13.93 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Tgt Ion:152 Resp: 14366

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	13.0	10.6	15.8



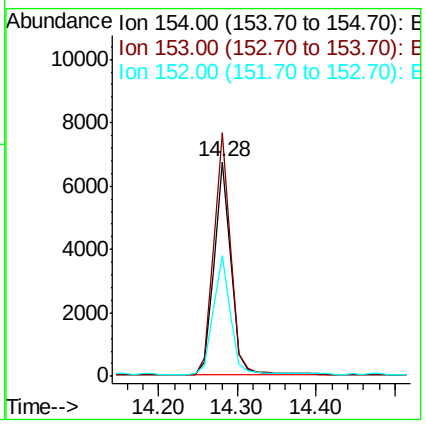


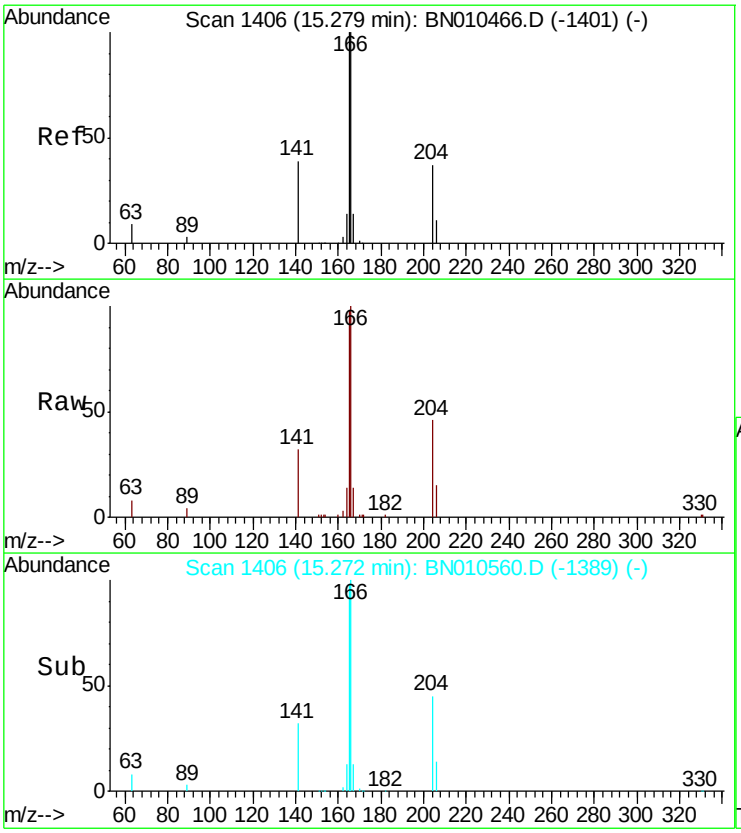
#17
Acenaphthene
Concen: 0.402 ng
RT: 14.28 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 9996

Ion	Ratio	Lower	Upper
154	100		
153	113.9	91.0	136.4
152	56.5	44.6	67.0

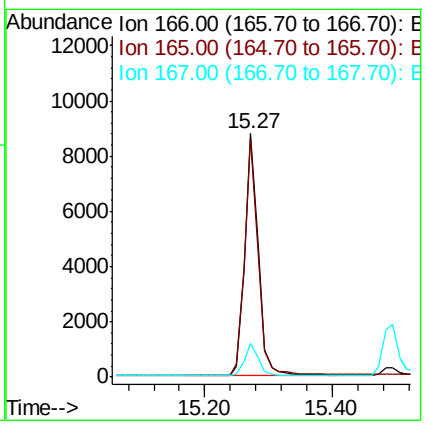


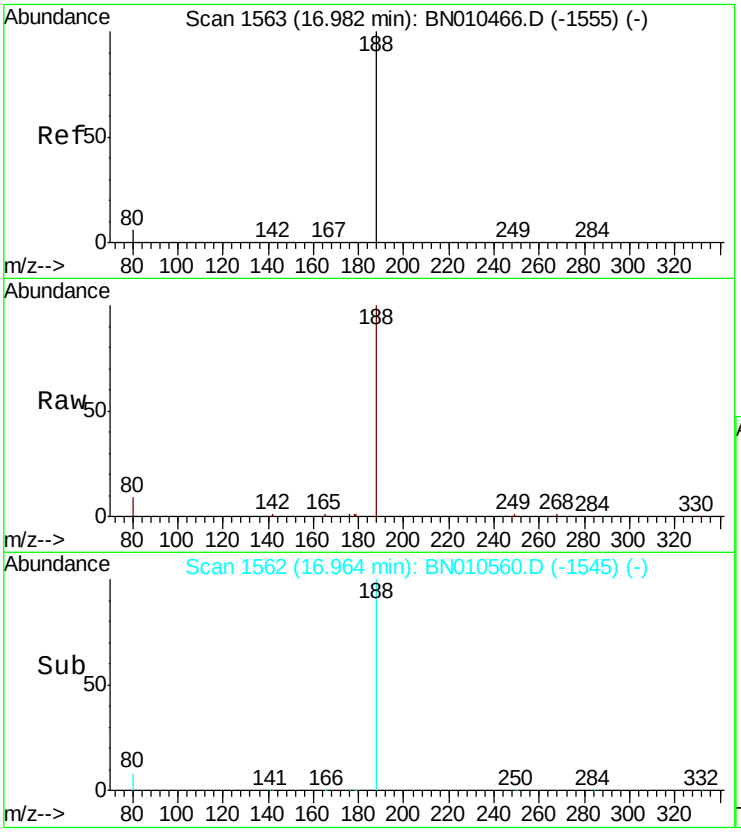


#18
Fluorene
Concen: 0.400 ng
RT: 15.27 min Scan# 1406
Delta R.T. -0.01 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Tgt Ion:166 Resp: 13047

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.4	117.6
167	13.7	10.9	16.3



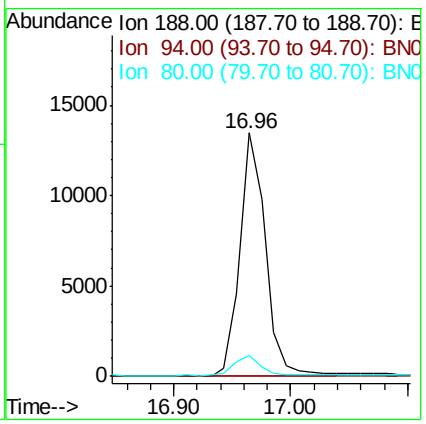


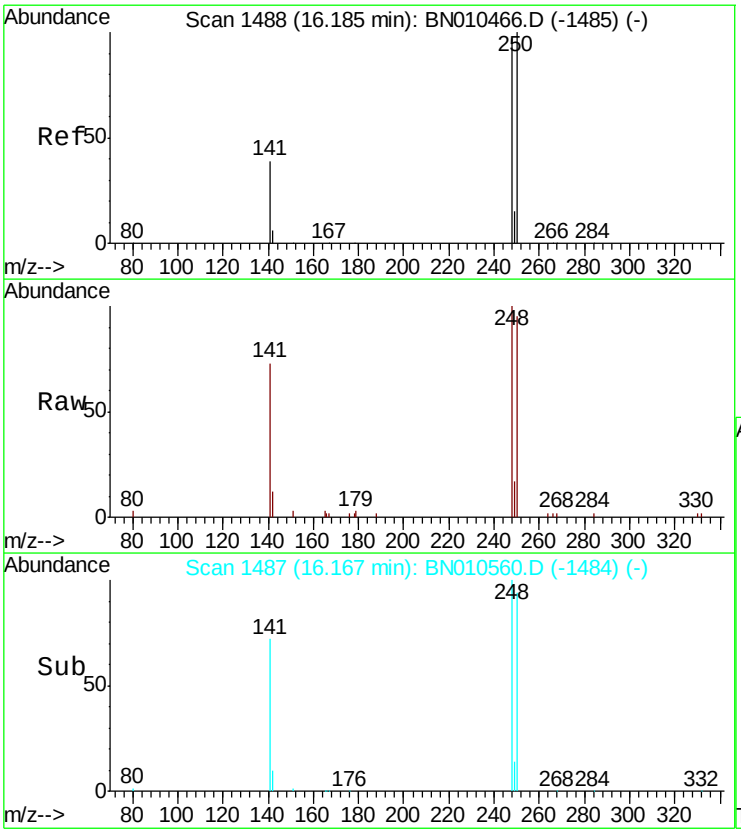
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.96 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 20200

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.8	5.0	7.6#

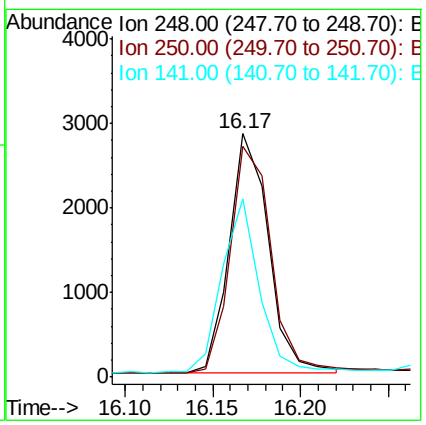


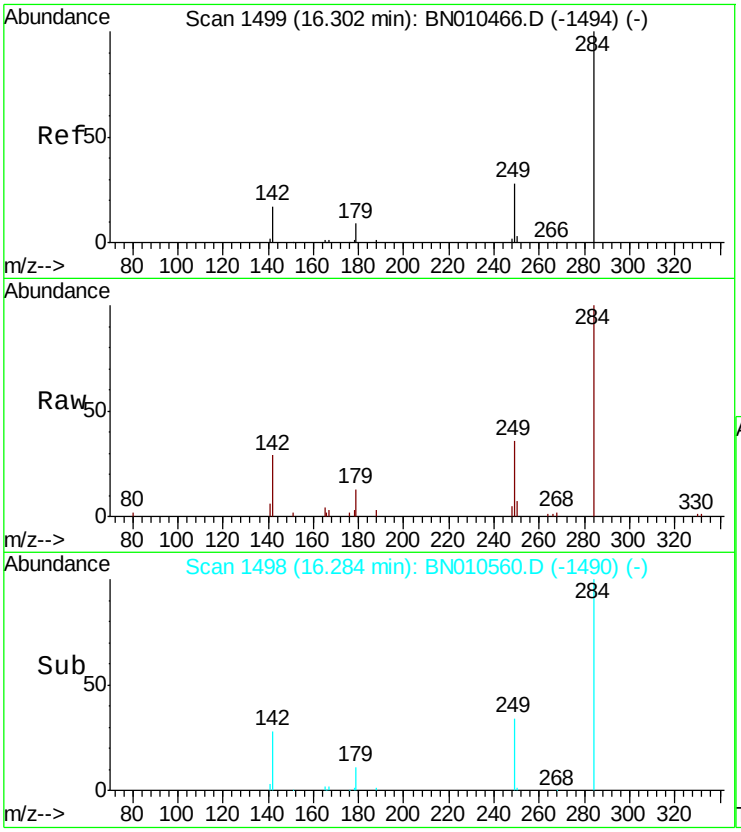


#20
4-Bromophenyl-phenylether
Concen: 0.390 ng
RT: 16.17 min Scan# 1487
Delta R.T. -0.02 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Tgt Ion:248 Resp: 4380

Ion	Ratio	Lower	Upper
248	100		
250	94.7	82.3	123.5
141	73.3	35.2	52.8#



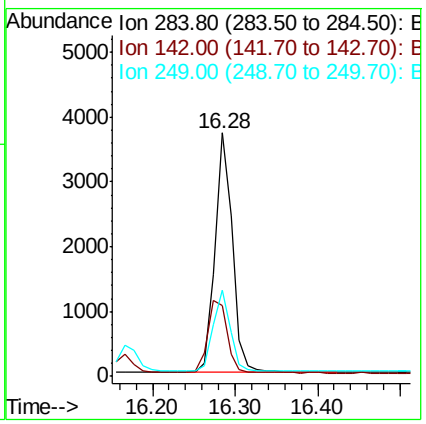


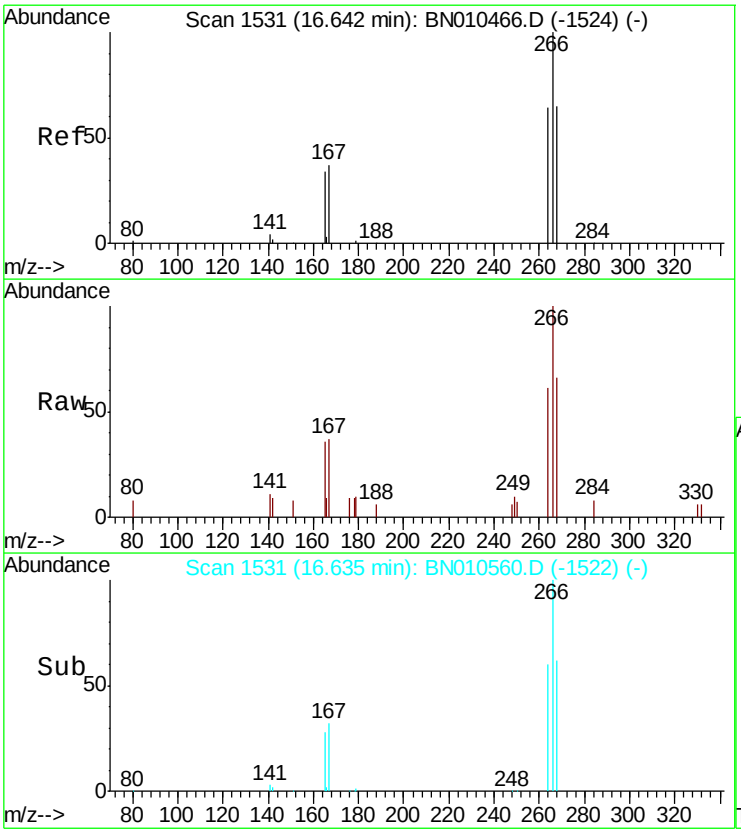
#21
Hexachlorobenzene
Concen: 0.426 ng
RT: 16.28 min Scan# 1498
Delta R.T. -0.02 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 5455

Ion	Ratio	Lower	Upper
284	100		
142	33.4	25.5	38.3
249	32.6	25.8	38.6

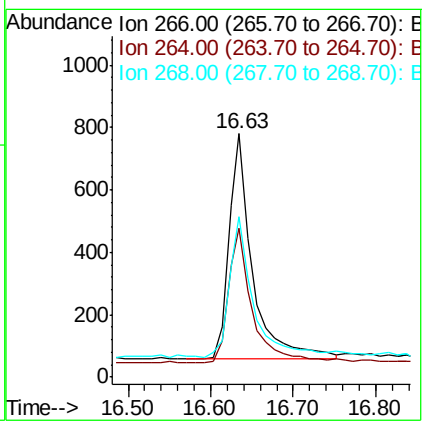


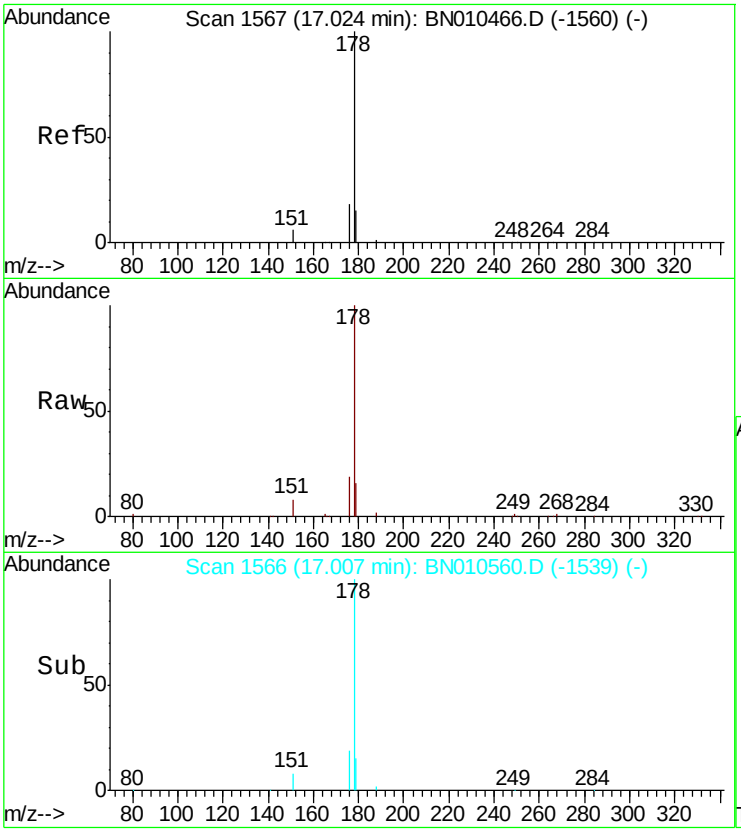


#22
Pentachlorophenol
Concen: 0.287 ng
RT: 16.63 min Scan# 1531
Delta R.T. -0.01 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Tgt Ion:266 Resp: 1444

Ion	Ratio	Lower	Upper
266	100		
264	61.1	51.8	77.6
268	65.8	53.7	80.5



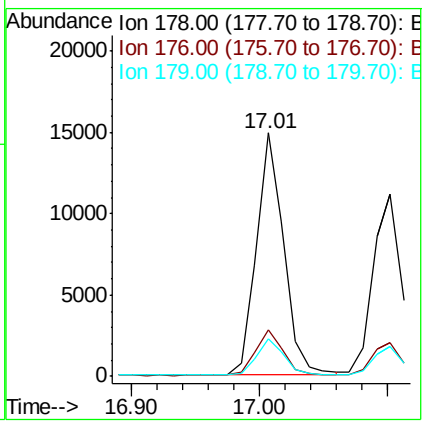


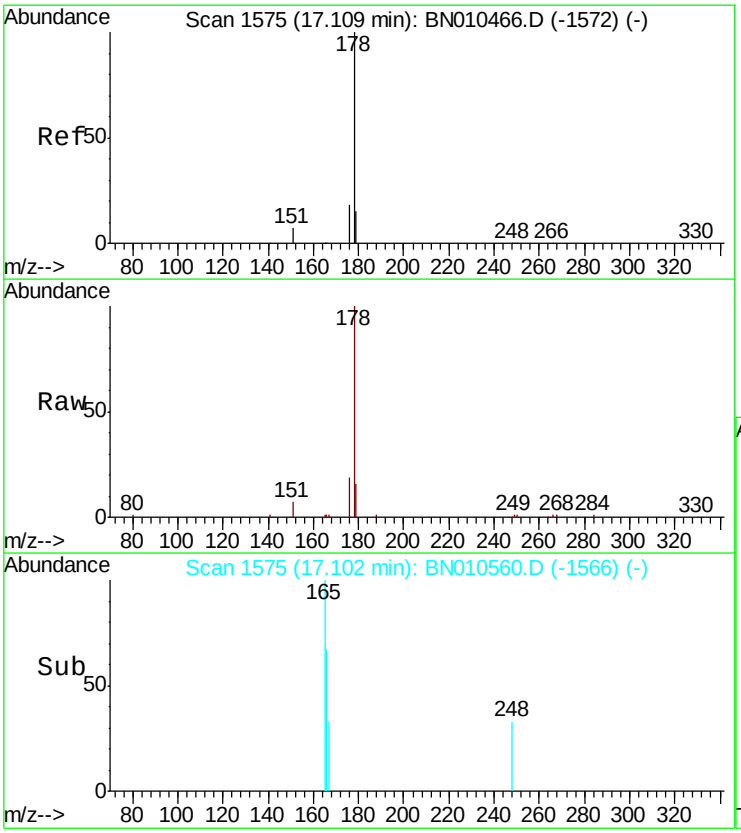
#23
Phenanthrene
Concen: 0.407 ng
RT: 17.01 min Scan# 1566
Delta R.T. -0.02 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 22220

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.4	12.6	18.8

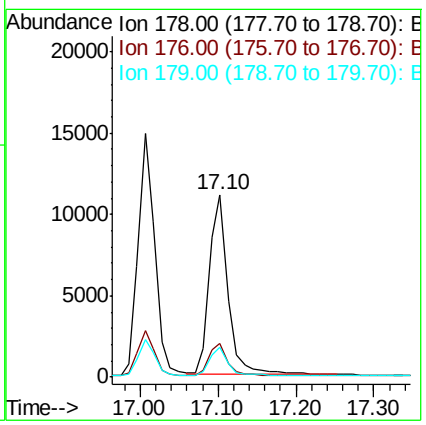


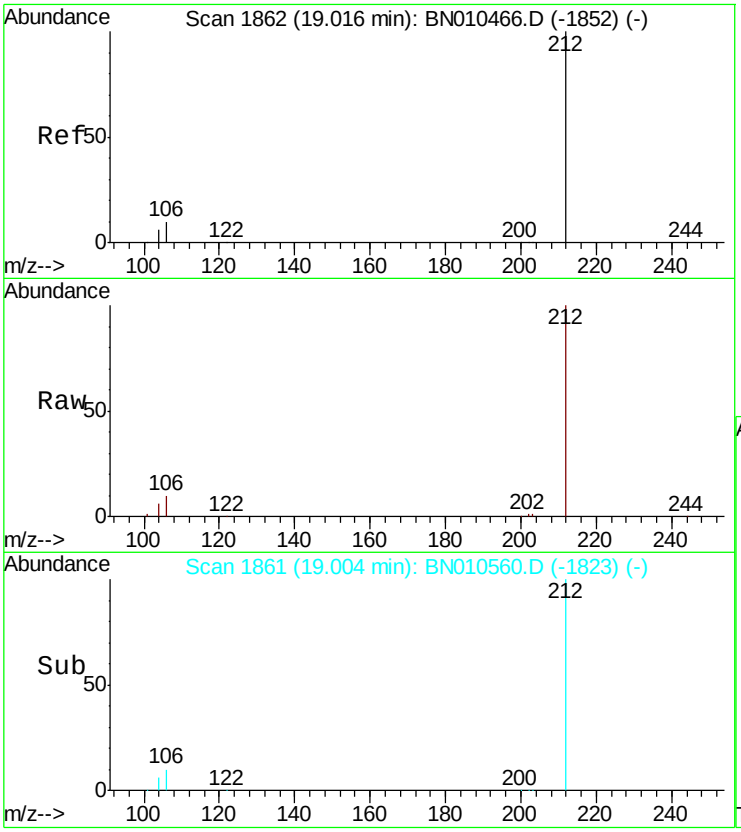


#24
Anthracene
Concen: 0.368 ng
RT: 17.10 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Tgt Ion:178 Resp: 18341

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	15.3	12.2	18.2



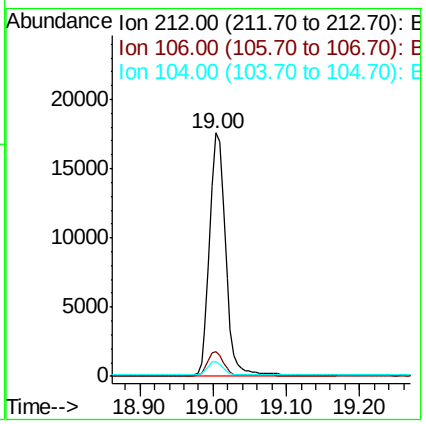


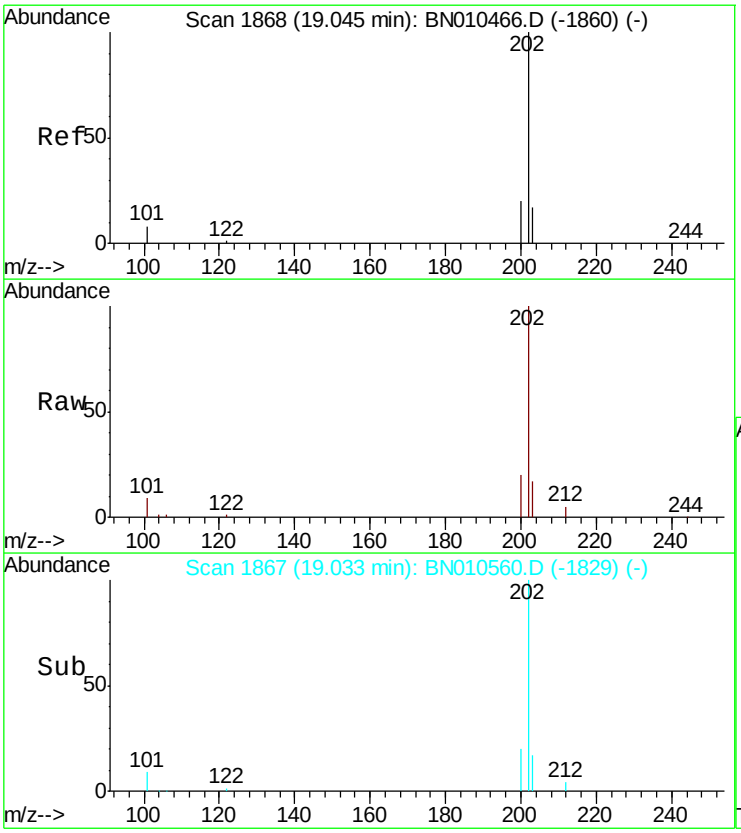
#25
Fluoranthene-d10
Concen: 0.431 ng
RT: 19.00 min Scan# 1861
Delta R.T. -0.01 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 26425

Ion	Ratio	Lower	Upper
212	100		
106	9.7	7.8	11.6
104	5.6	4.5	6.7

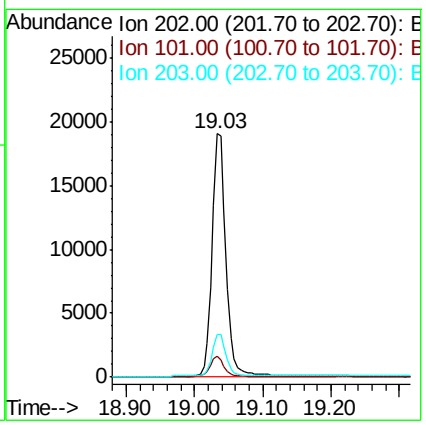


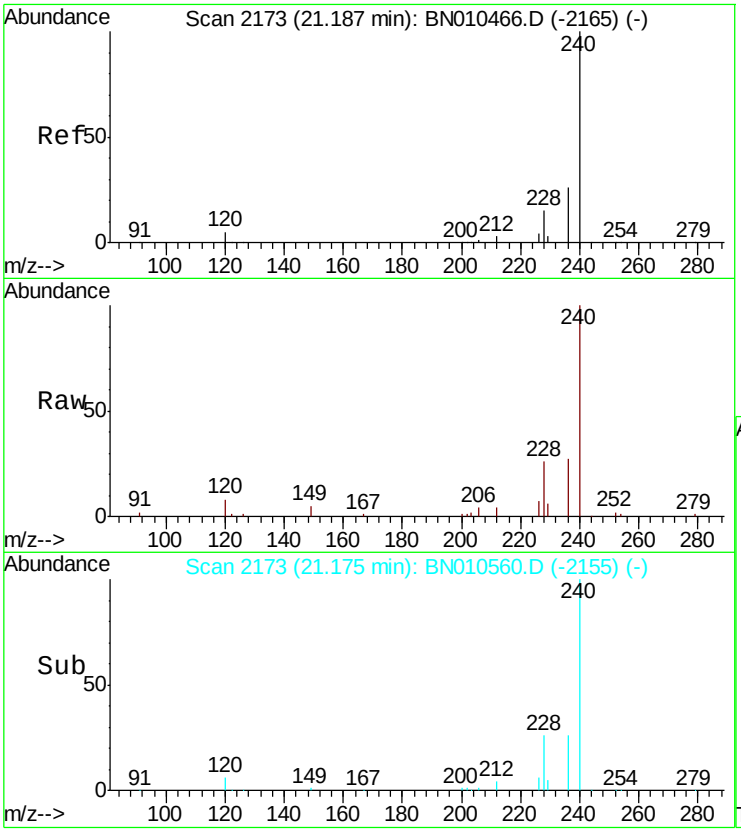


#26
Fluoranthene
Concen: 0.393 ng
RT: 19.03 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Tgt Ion:202 Resp: 26678

Ion	Ratio	Lower	Upper
202	100		
101	8.5	6.9	10.3
203	17.1	13.9	20.9



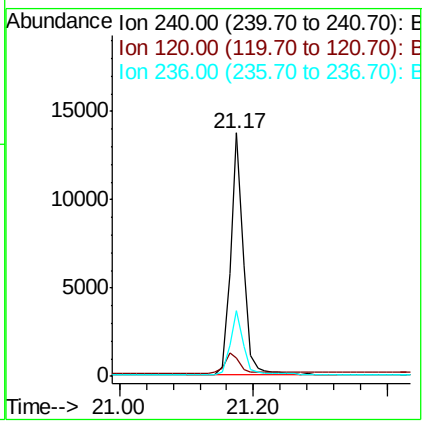


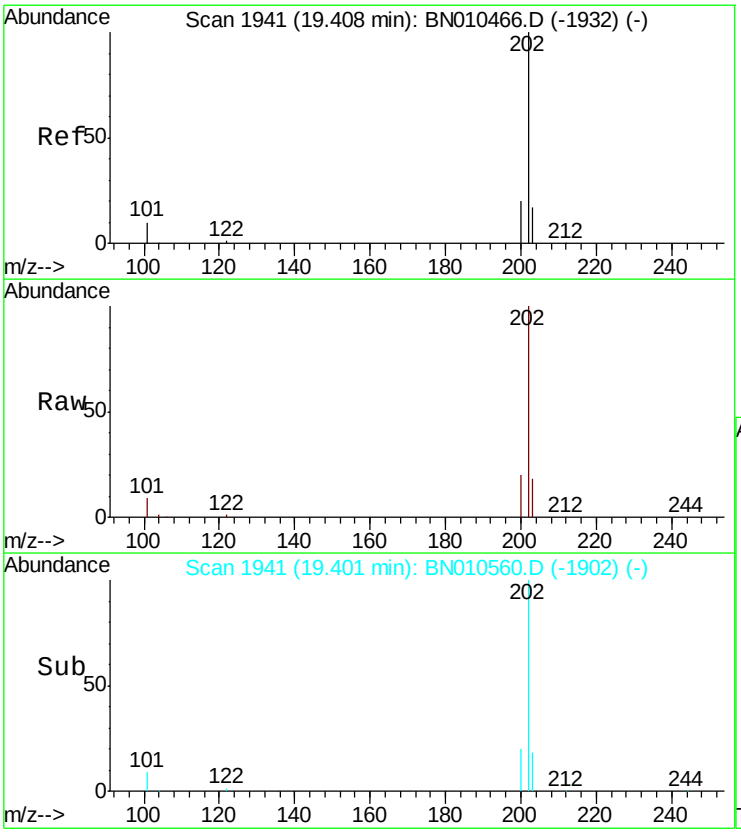
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.17 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 18426

Ion	Ratio	Lower	Upper
240	100		
120	7.6	4.8	7.2#
236	26.9	21.4	32.0

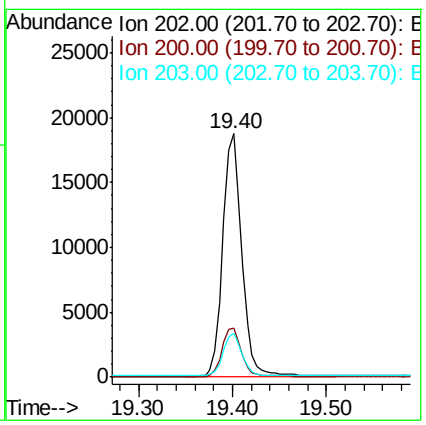


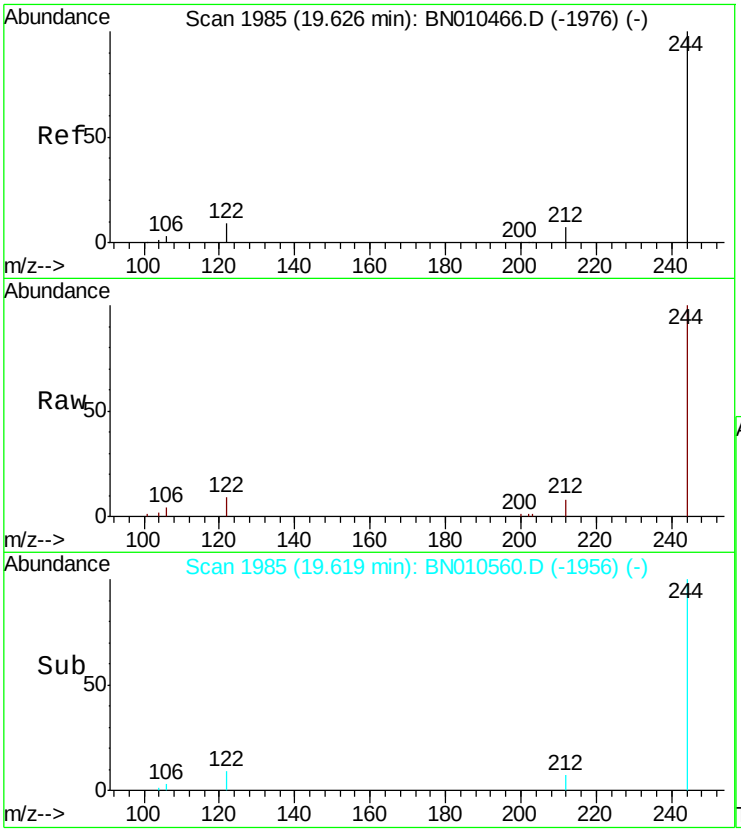


#28
Pyrene
Concen: 0.424 ng
RT: 19.40 min Scan# 1941
Delta R.T. -0.01 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Tgt Ion:202 Resp: 26298

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.3	24.5
203	17.6	14.0	21.0



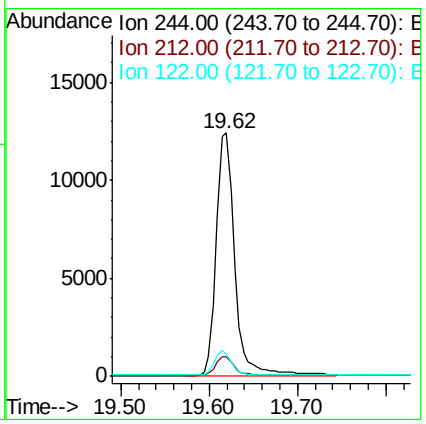


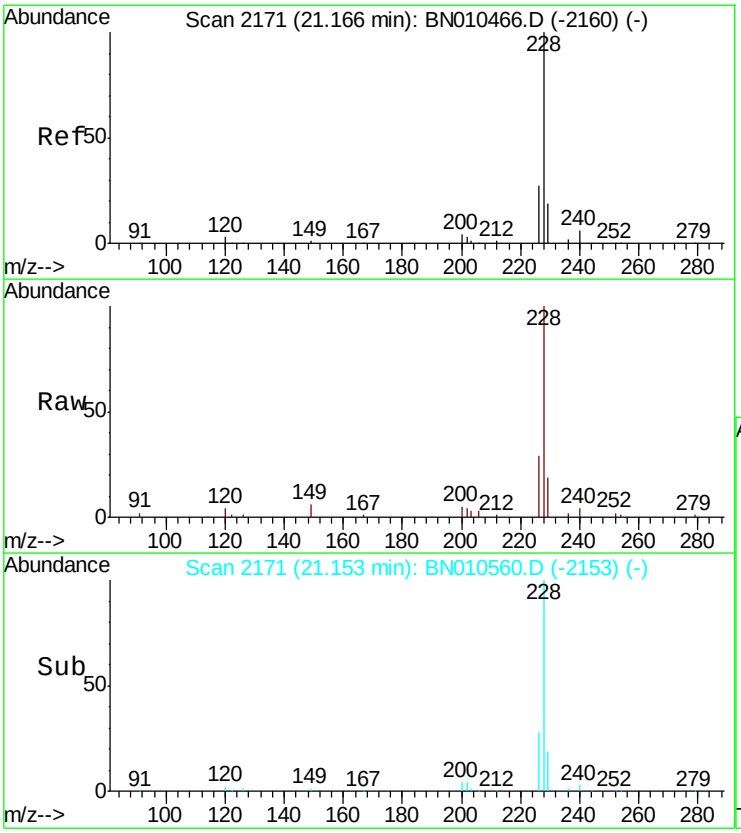
#29
Terphenyl-d14
Concen: 0.425 ng
RT: 19.62 min Scan# 1985
Delta R.T. -0.01 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 17908

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.4
122	8.9	7.8	11.8

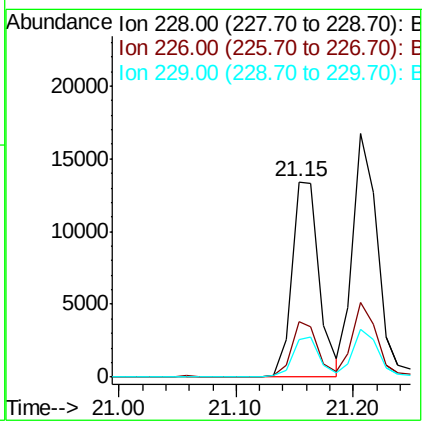


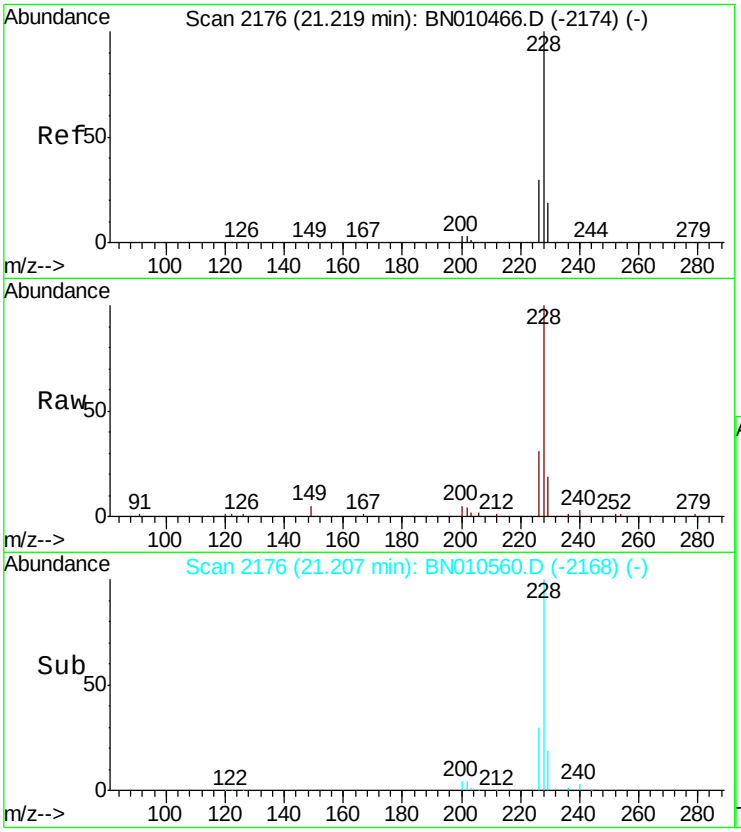


#30
Benzo(a)anthracene
Concen: 0.361 ng
RT: 21.15 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Tgt Ion:228 Resp: 21718

Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.7	32.5
229	19.3	15.6	23.4



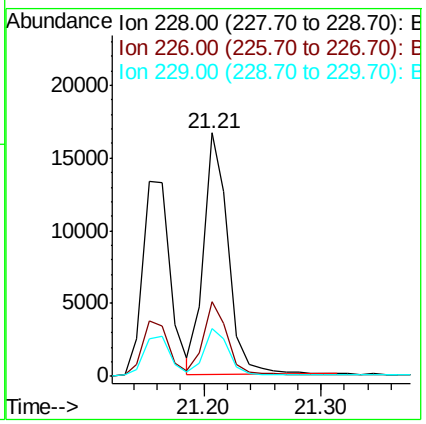


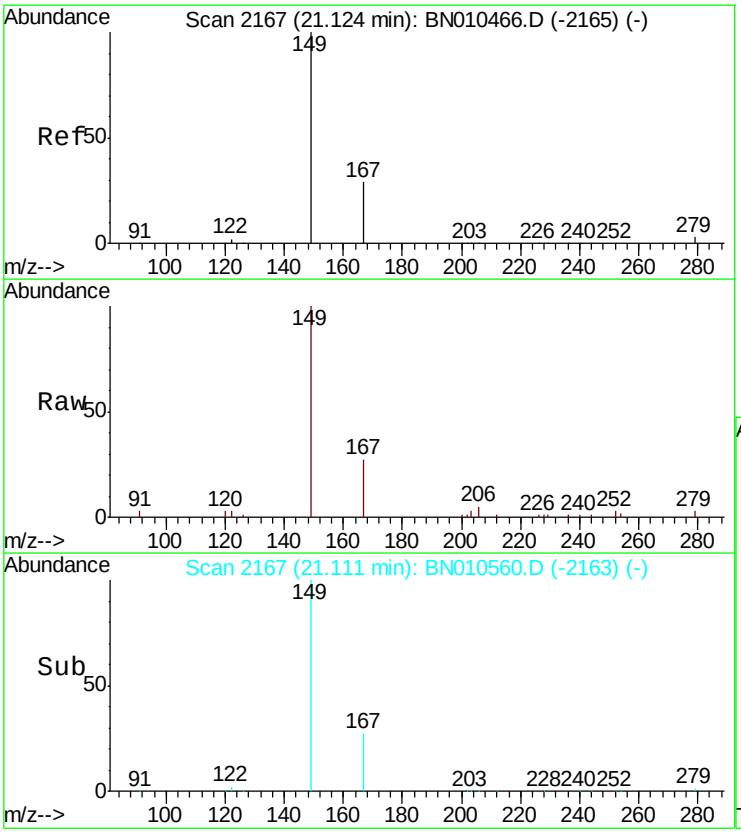
#31
Chrysene
Concen: 0.405 ng
RT: 21.21 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 24240

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.0	36.0
229	19.5	15.8	23.6

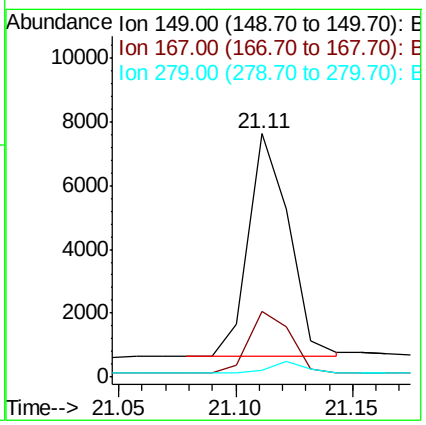


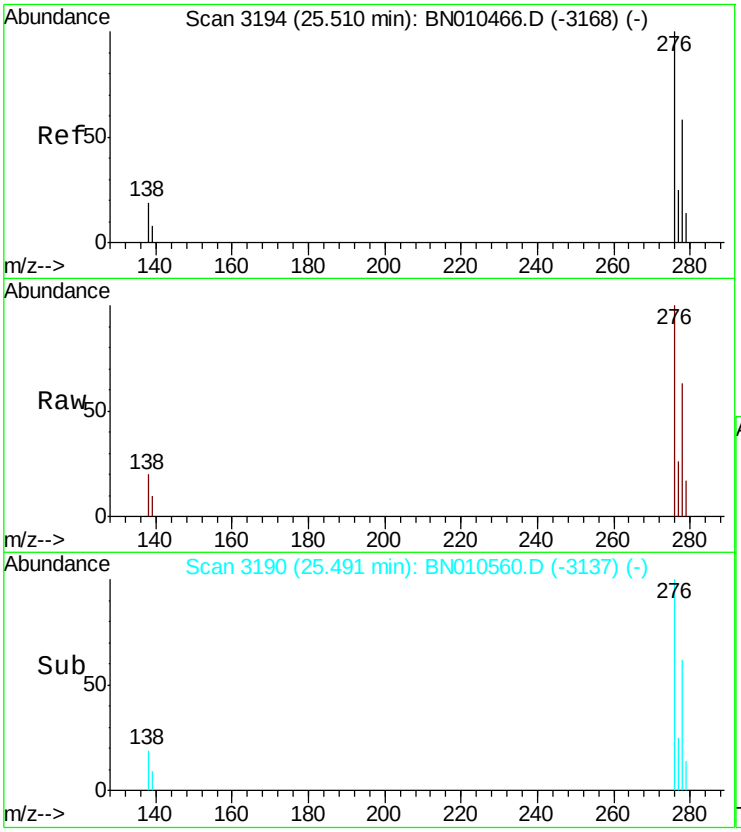


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.272 ng
RT: 21.11 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Tgt Ion:149 Resp: 8395

Ion	Ratio	Lower	Upper
149	100		
167	28.5	23.4	35.0
279	4.8	4.0	6.0



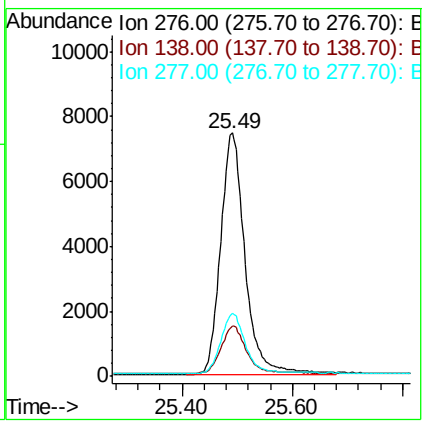


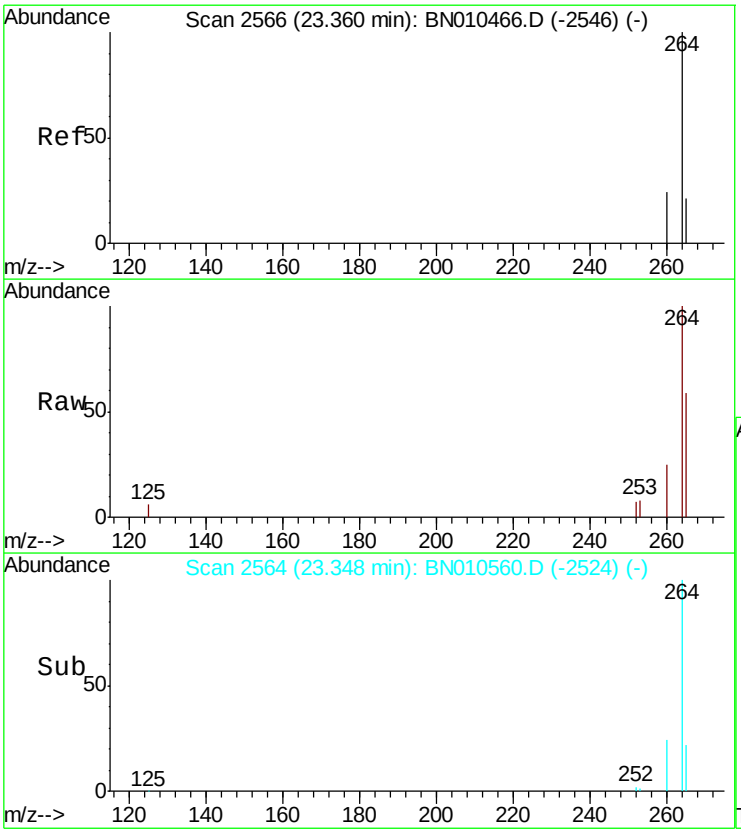
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.432 ng
RT: 25.49 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 22851

Ion	Ratio	Lower	Upper
276	100		
138	20.1	16.4	24.6
277	24.7	19.8	29.6

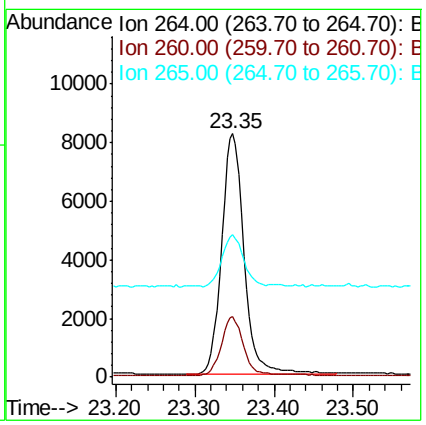


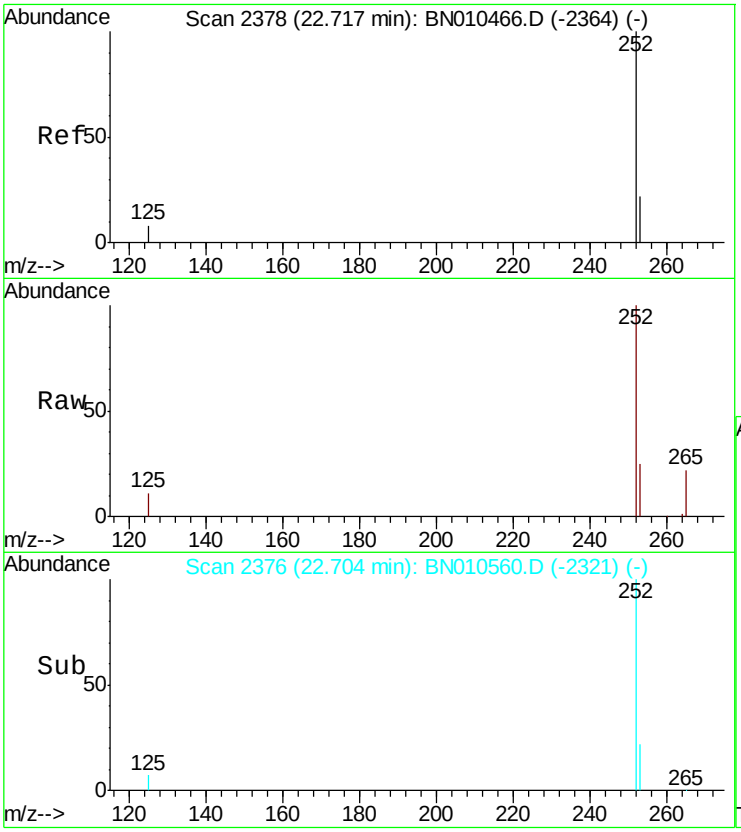


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.35 min Scan# 2564
Delta R.T. -0.01 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Tgt Ion:264 Resp: 16117

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.8	29.8
265	58.7	42.3	63.5



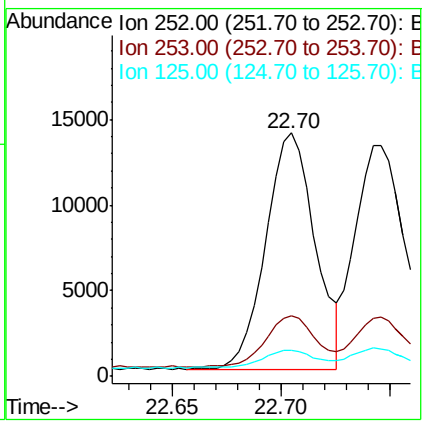


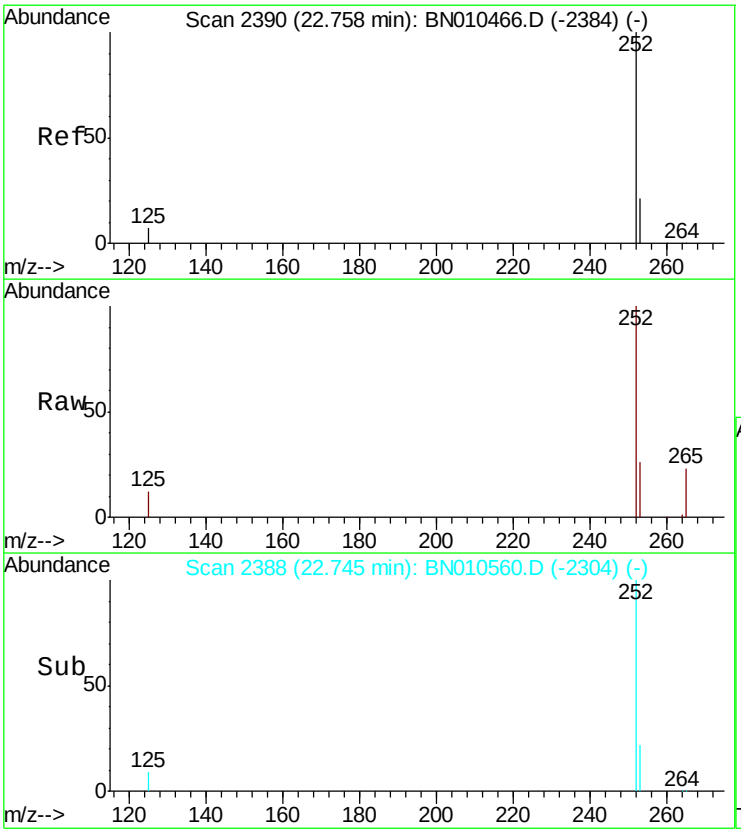
#35
Benzo(b)fluoranthene
Concen: 0.407 ng
RT: 22.70 min Scan# 2376
Delta R.T. -0.01 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 21607

Ion	Ratio	Lower	Upper
252	100		
253	25.1	20.2	30.4
125	10.9	9.2	13.8

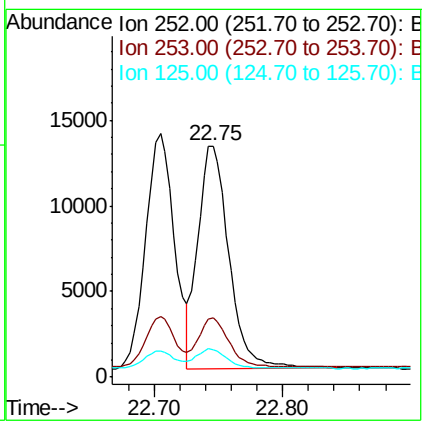


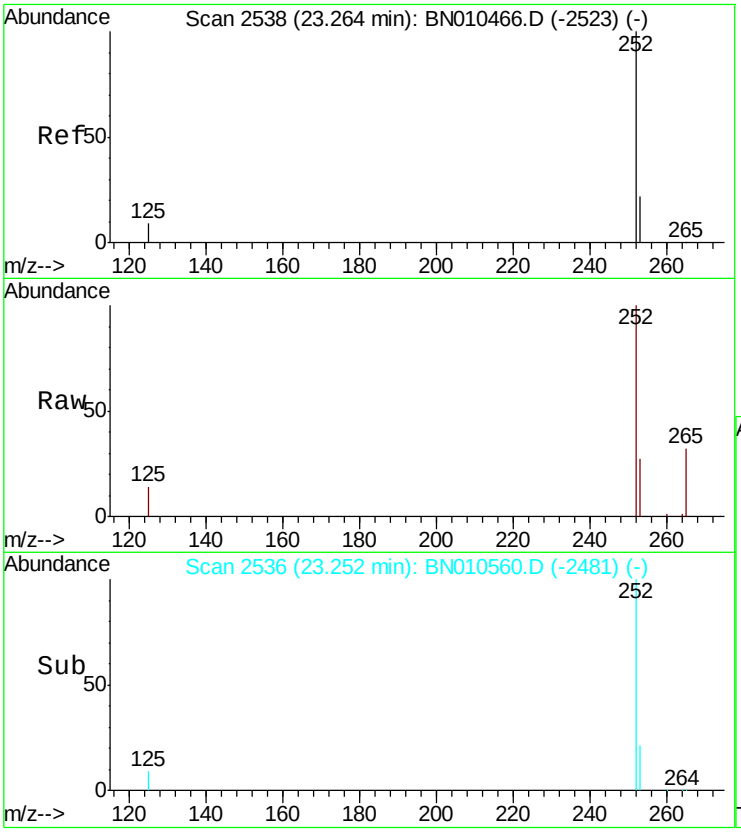


#36
Benzo(k)fluoranthene
Concen: 0.410 ng
RT: 22.75 min Scan# 2388
Delta R.T. -0.01 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Tgt Ion:252 Resp: 21802

Ion	Ratio	Lower	Upper
252	100		
253	25.6	20.1	30.1
125	11.8	9.6	14.4



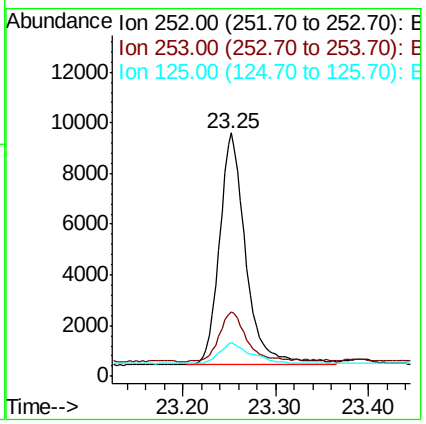


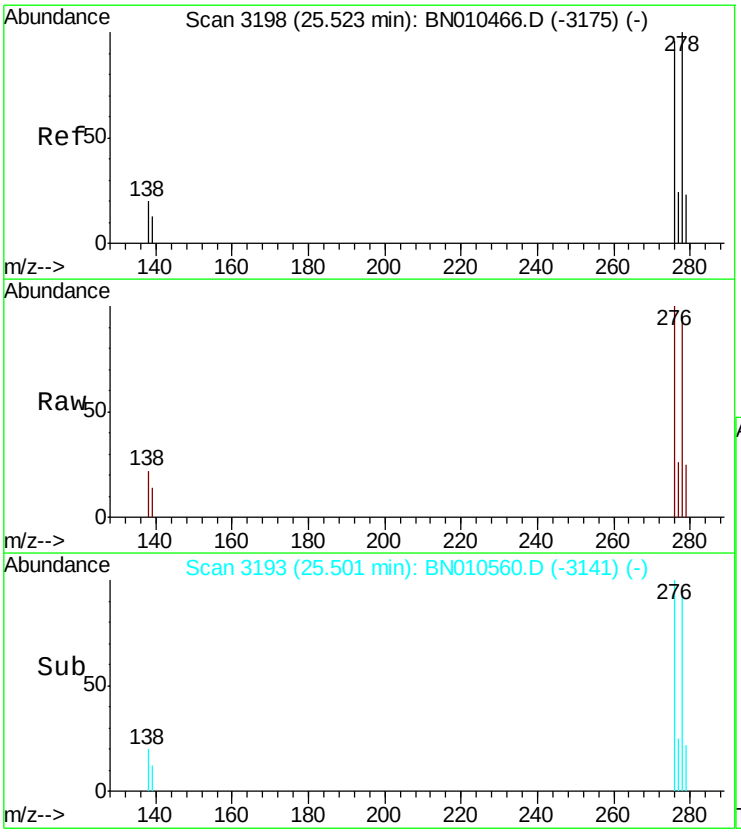
#37
Benzo(a)pyrene
Concen: 0.390 ng
RT: 23.25 min Scan# 2536
Delta R.T. -0.01 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 18318

Ion	Ratio	Lower	Upper
252	100		
253	26.5	21.8	32.8
125	13.7	11.0	16.6

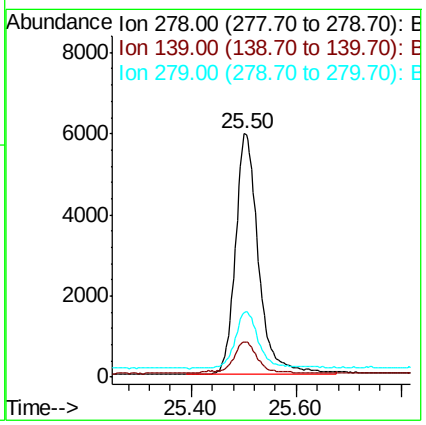


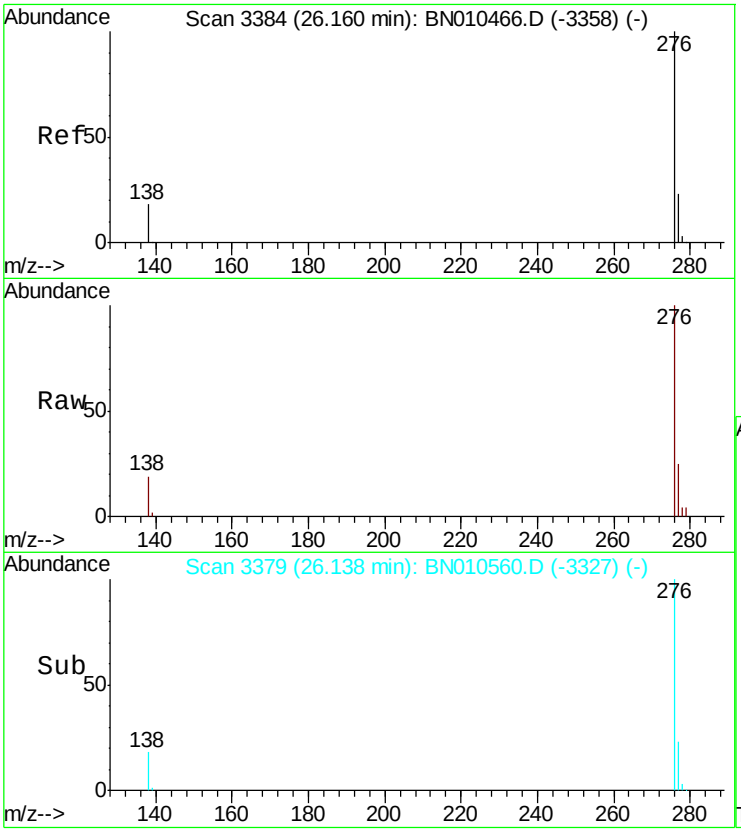


#38
Dibenzo(a,h)anthracene
Concen: 0.424 ng
RT: 25.50 min Scan# 3193
Delta R.T. -0.02 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Tgt Ion:278 Resp: 18213

Ion	Ratio	Lower	Upper
278	100		
139	14.5	12.3	18.5
279	26.7	21.9	32.9





#39
Benzo(g,h,i)perylene
Concen: 0.444 ng
RT: 26.14 min Scan# 3379
Delta R.T. -0.02 min
Lab File: BN010560.D
Acq: 21 Apr 2020 11:07

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 19211

Ion	Ratio	Lower	Upper
276	100		
277	24.5	20.2	30.2
138	18.9	15.4	23.2