Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042420\
Data File : BN010588.D
Acq On : 24 Apr 2020 12:17
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4

Quant Time: Apr 24 12:49:44 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 24 12:47:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	4520	0.40	ng		0.00
7) Naphthalene-d8	10.35	136	18584	0.40	ng		0.00
13) Acenaphthene-d10	14.21	164	11607	0.40	ng		0.00
19) Phenanthrene-d10	16.96	188	25654	0.40	ng		0.00
27) Chrysene-d12	21.17	240	22364	0.40	ng		0.00
34) Perylene-d12	23.34	264	20425	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.24	112	4326	0.44	ng		0.00
5) Phenol-d6	6.78	99	5401	0.42	ng		0.00
8) Nitrobenzene-d5	8.73	82	5280	0.41	ng		0.00
11) 2-Methylnaphthalene-d10	11.94	152	14128	0.46	ng		0.00
14) 2,4,6-Tribromophenol	15.72	330	1874	0.34	ng		0.00
15) 2-Fluorobiphenyl	12.83	172	17286	0.41	ng		0.00
25) Fluoranthene-d10	19.00	212	33348	0.43	ng		0.00
29) Terphenyl-d14	19.61	244	22357	0.44	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.25	88	1313	0.395	ng		97
3) n-Nitrosodimethylamine	3.56	42	929	0.431	ng	#	91
6) bis(2-Chloroethyl)ether	7.03	93	4801	0.428	ng		98
9) Naphthalene	10.39	128	19065	0.413	ng		99
10) Hexachlorobutadiene	10.70	225	4541	0.408	ng	#	99
12) 2-Methylnaphthalene	12.02	142	13640	0.411	ng		99
16) Acenaphthylene	13.93	152	19120	0.381	ng		100
17) Acenaphthene	14.28	154	13136	0.408	ng		100
18) Fluorene	15.27	166	16769	0.397	ng		100
20) 4-Bromophenyl-phenylether	16.17	248	5594	0.393	ng	#	91
21) Hexachlorobenzene	16.28	284	6928	0.426	ng		98
22) Pentachlorophenol	16.62	266	2054	0.321	ng		99
23) Phenanthrene	17.01	178	28370	0.409	ng		100
24) Anthracene	17.09	178	23889	0.377	ng		100
26) Fluoranthene	19.03	202	33315	0.386	ng		99
28) Pyrene	19.40	202	33032	0.439	ng		100
30) Benzo(a)anthracene	21.15	228	28718	0.394	ng		99
31) Chrysene	21.21	228	29180	0.401	ng		100
32) Bis(2-ethylhexyl)phthalate	21.11	149	13049	0.349	ng		99
33) Indeno(1,2,3-cd)pyrene	25.48	276	28764	0.448	ng		99
35) Benzo(b)fluoranthene	22.70	252	27299	0.406	ng		100
36) Benzo(k)fluoranthene	22.74	252	27479	0.408	ng		99
37) Benzo(a)pyrene	23.25	252	23392	0.393	ng		99
38) Dibenzo(a,h)anthracene	25.49	278	22701	0.417	ng		98
39) Benzo(g,h,i)perylene	26.13	276	23869	0.436	ng		100

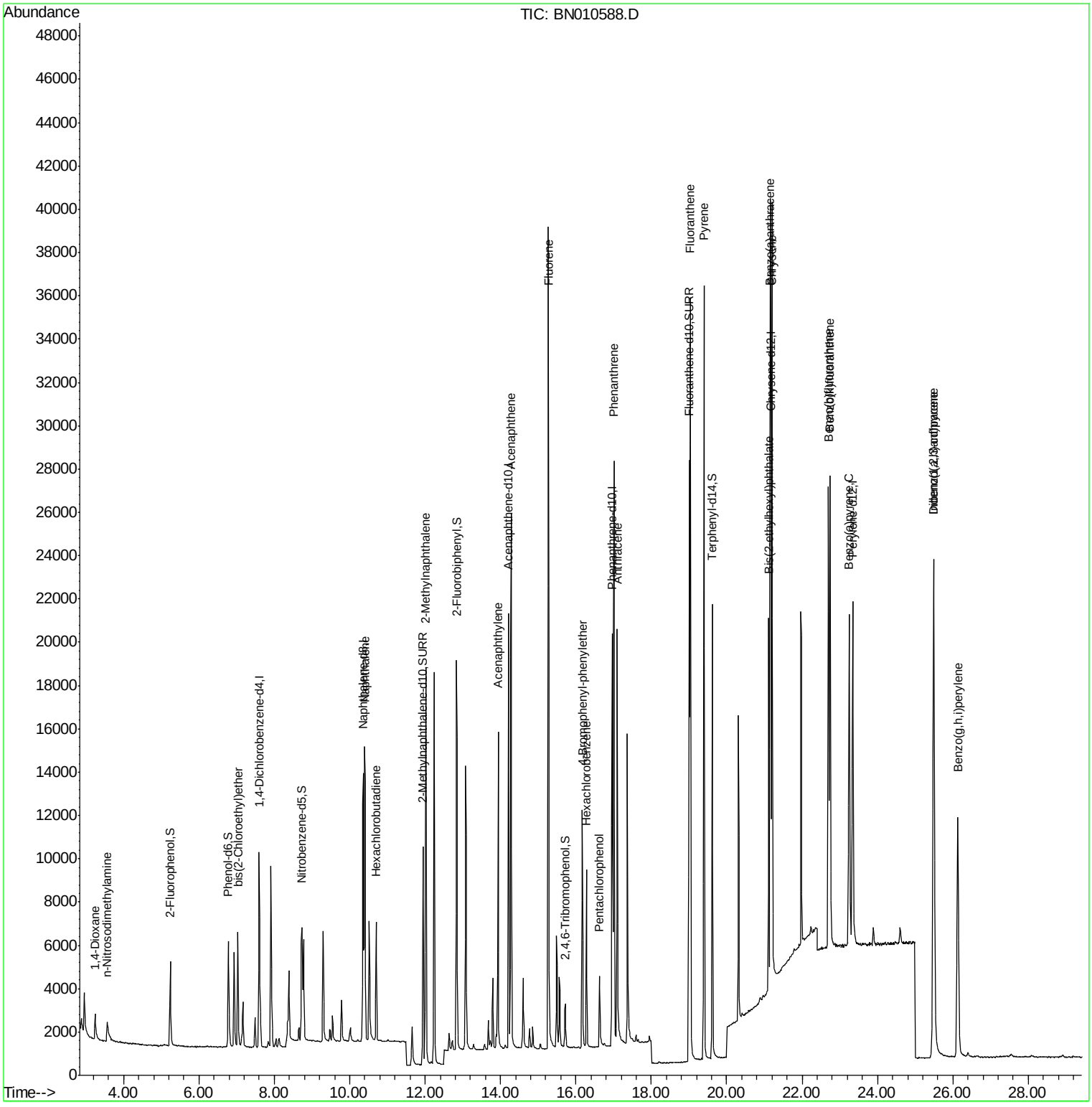
(#) = qualifier out of range (m) = manual integration (+) = signals summed

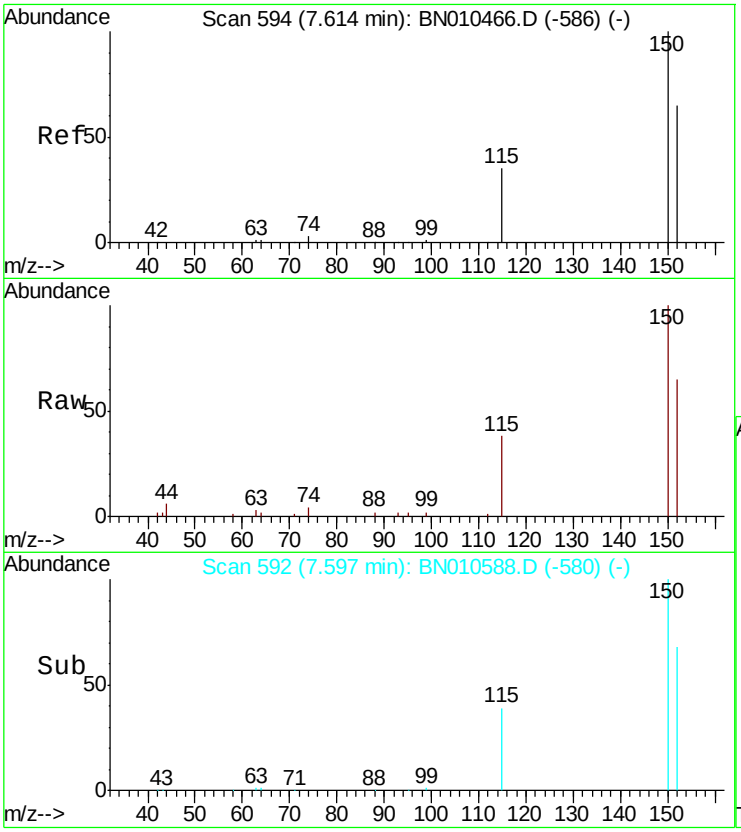
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042420\
Data File : BN010588.D
Acq On : 24 Apr 2020 12:17
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Apr 24 12:49:44 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 24 12:47:59 2020
Response via : Initial Calibration



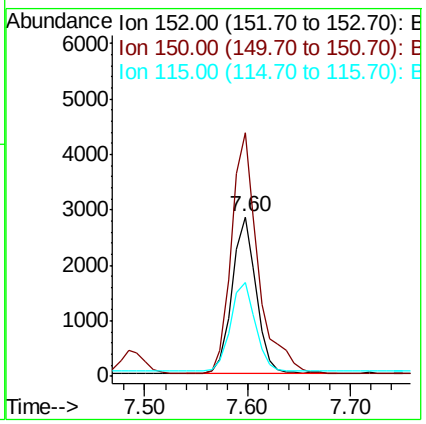


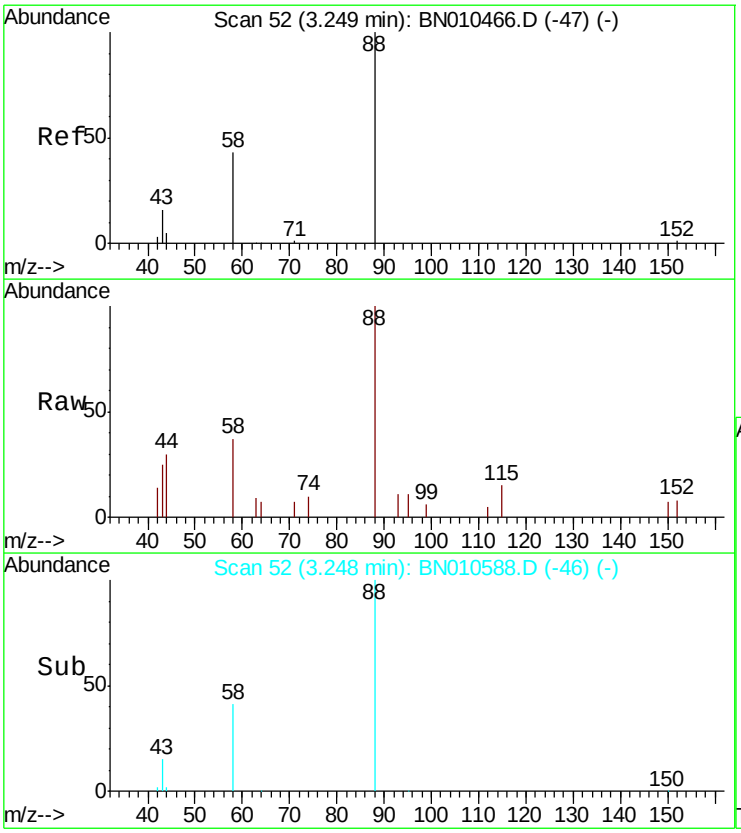
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.60 min Scan# 592
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 4520

Ion	Ratio	Lower	Upper
152	100		
150	152.8	121.8	182.6
115	58.5	45.5	68.3

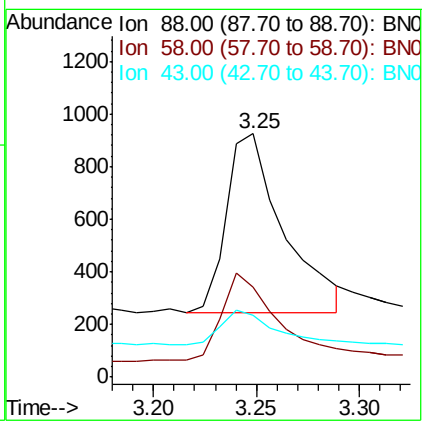


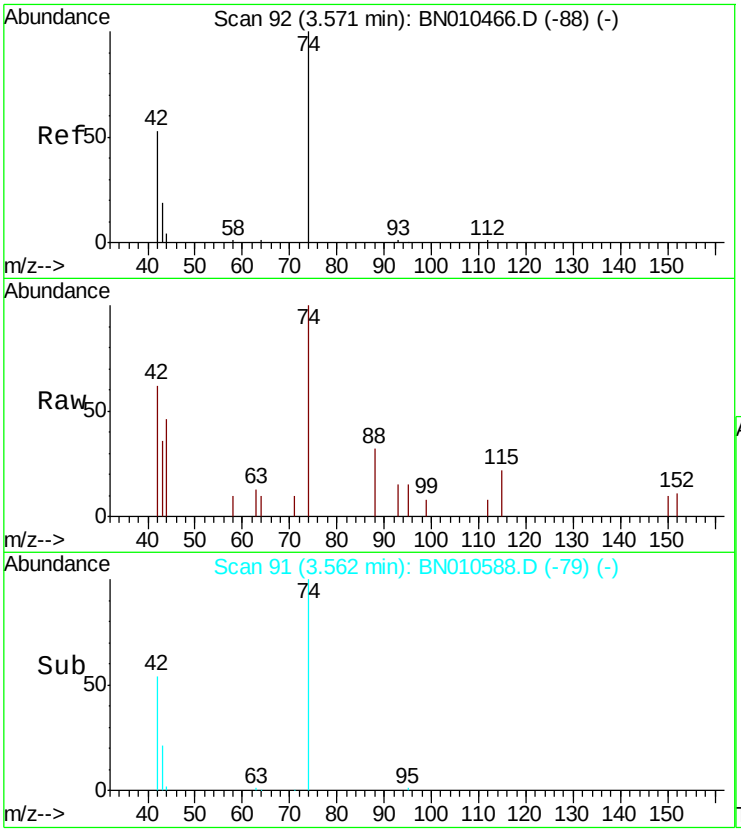


#2
1,4-Dioxane
Concen: 0.395 ng
RT: 3.25 min Scan# 52
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Tgt Ion: 88 Resp: 1313

Ion	Ratio	Lower	Upper
88	100		
58	47.4	36.5	54.7
43	18.9	13.2	19.8



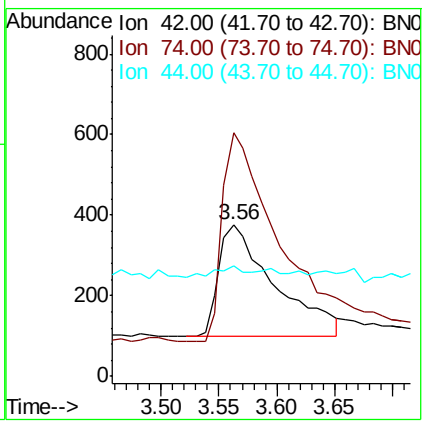


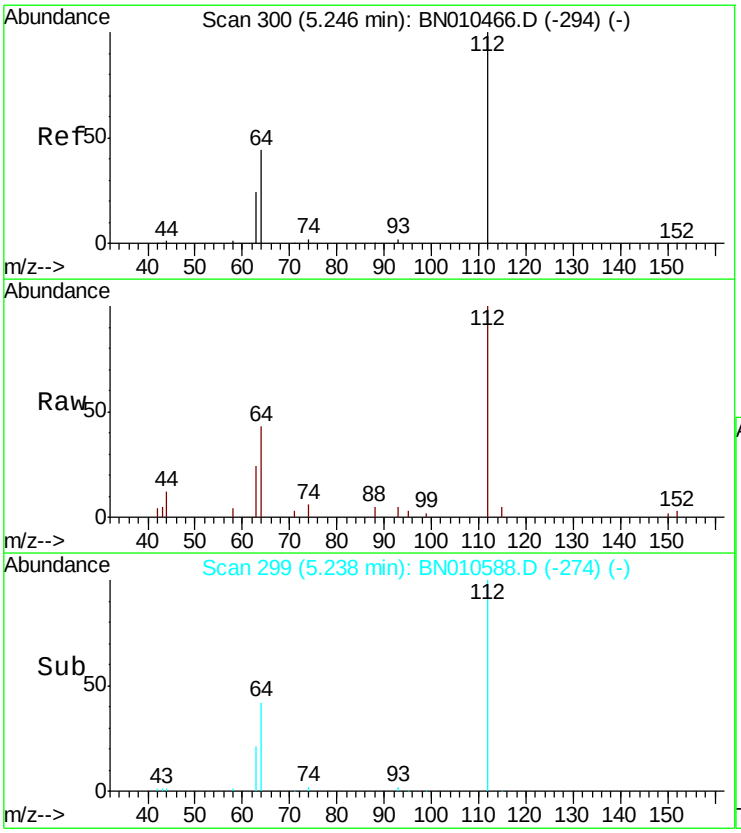
#3
n-Nitrosodimethylamine
Concen: 0.431 ng
RT: 3.56 min Scan# 91
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 929

Ion	Ratio	Lower	Upper
42	100		
74	188.9	162.2	243.4
44	4.8	2.4	3.6#

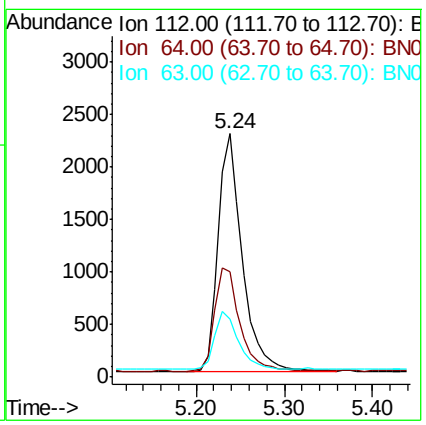


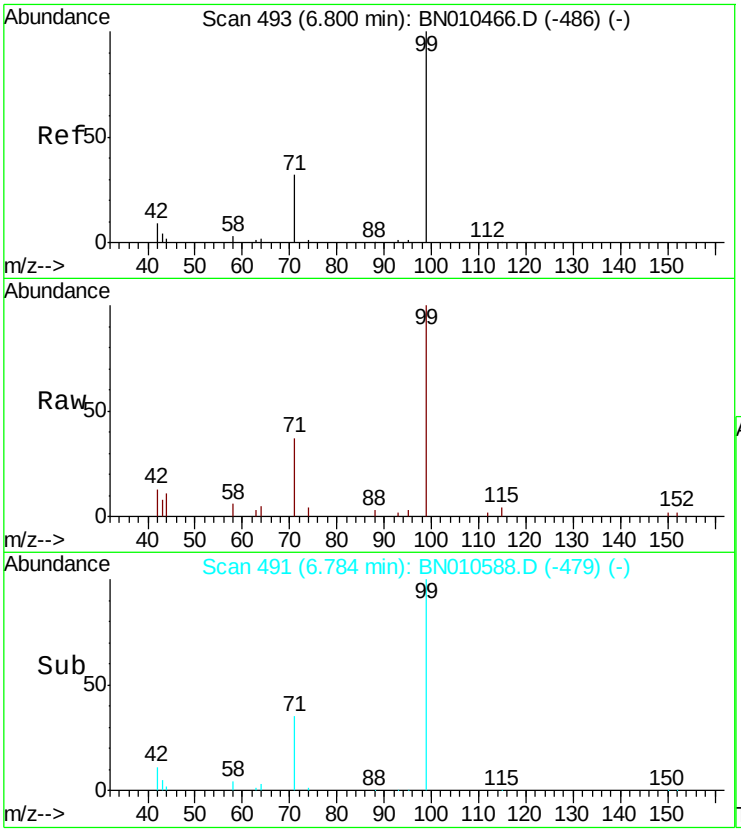


#4
2-Fluorophenol
Concen: 0.437 ng
RT: 5.24 min Scan# 299
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Tgt Ion:112 Resp: 4326

Ion	Ratio	Lower	Upper
112	100		
64	44.8	35.8	53.8
63	23.9	19.9	29.9



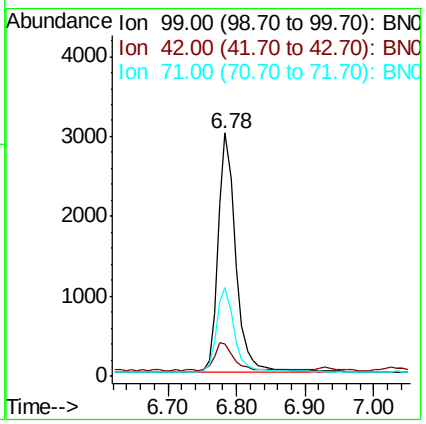


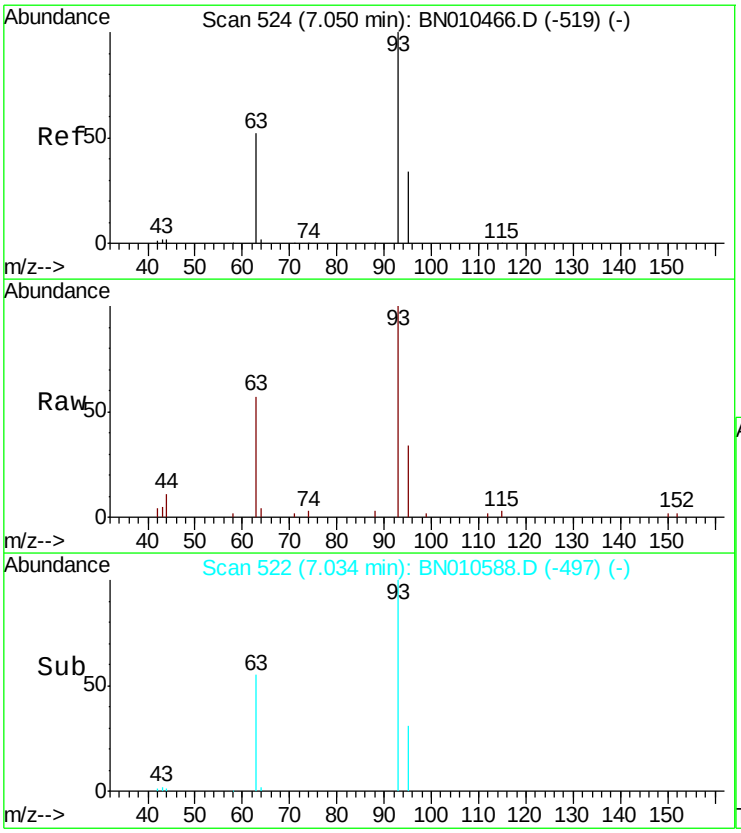
#5
Phenol-d6
Concen: 0.418 ng
RT: 6.78 min Scan# 491
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 5401

Ion	Ratio	Lower	Upper
99	100		
42	12.4	9.8	14.6
71	35.7	27.8	41.8

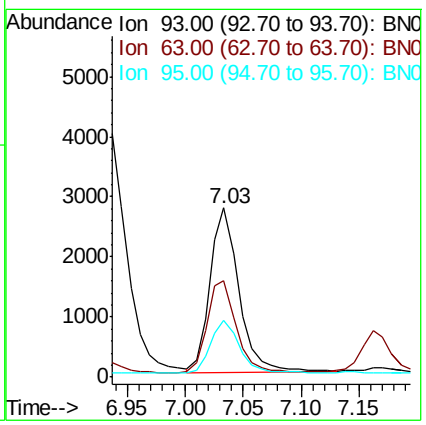


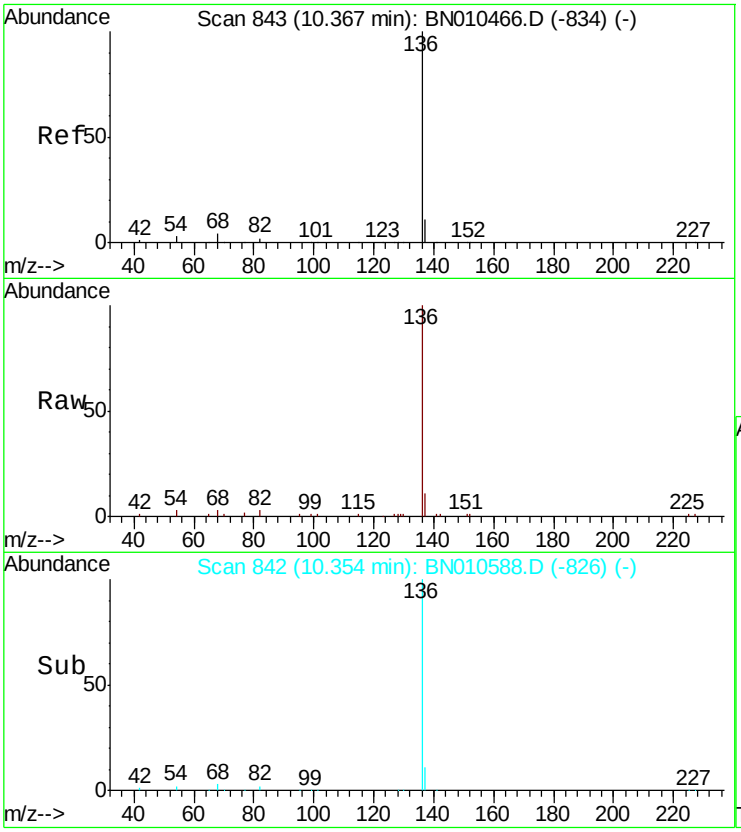


#6
bis(2-Chloroethyl)ether
Concen: 0.428 ng
RT: 7.03 min Scan# 522
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Tgt Ion: 93 Resp: 4801

Ion	Ratio	Lower	Upper
93	100		
63	56.5	44.6	66.8
95	31.8	26.5	39.7



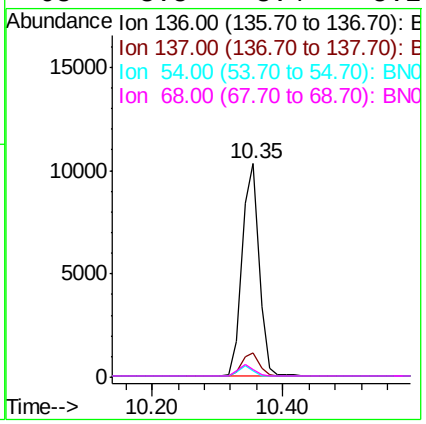


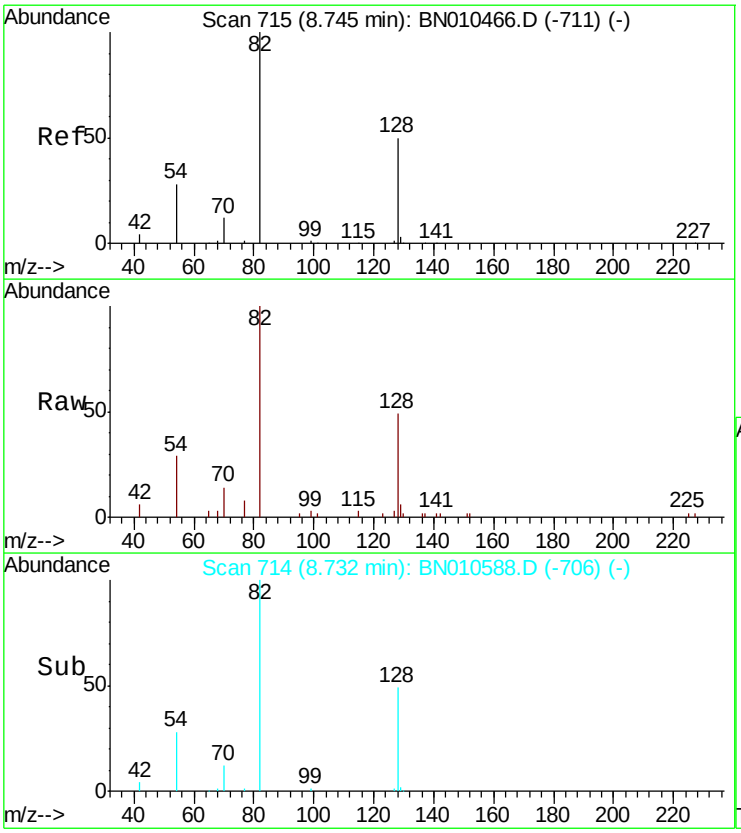
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.35 min Scan# 842
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 18584

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	2.9	2.6	4.0
68	3.5	3.4	5.2

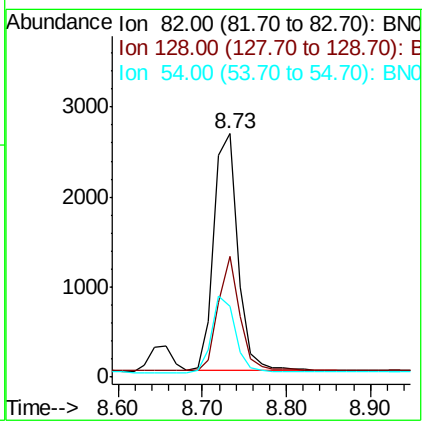


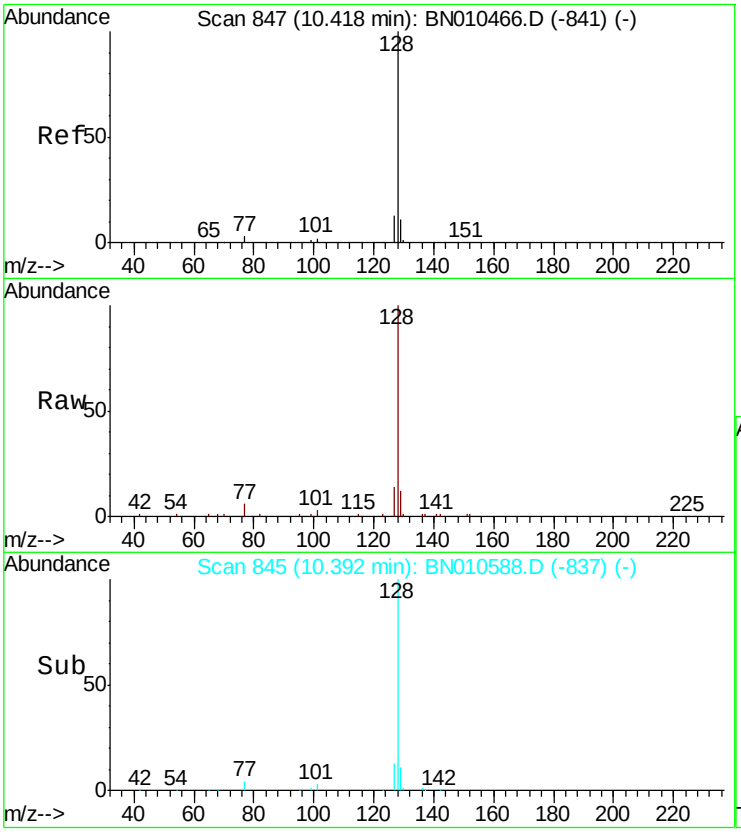


#8
Nitrobenzene-d5
Concen: 0.406 ng
RT: 8.73 min Scan# 714
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Tgt Ion: 82 Resp: 5280

Ion	Ratio	Lower	Upper
82	100		
128	49.4	41.3	61.9
54	29.1	23.4	35.0



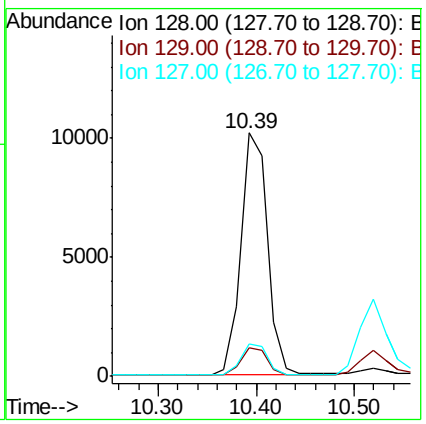


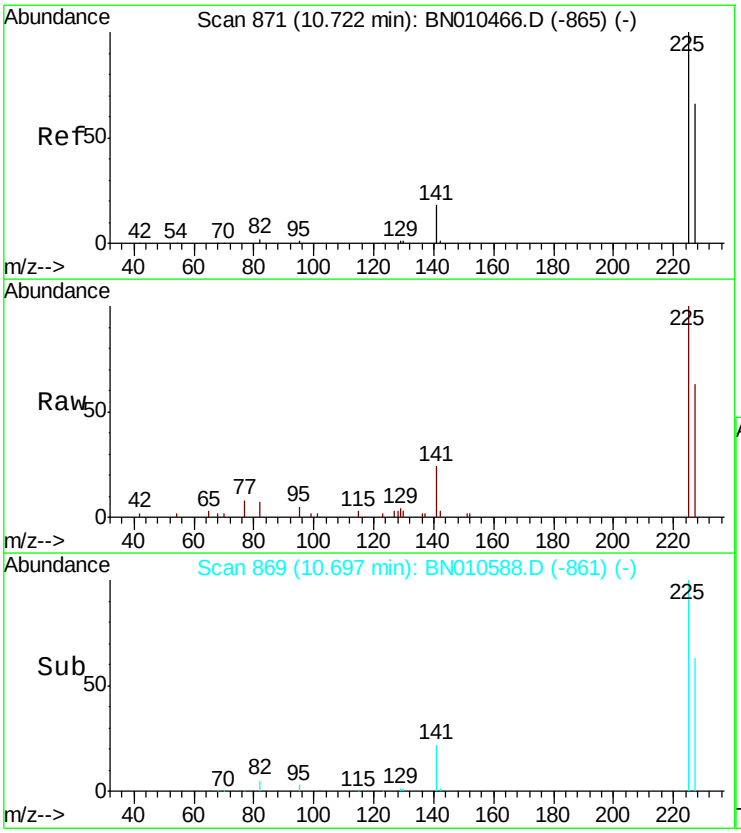
#9
Naphthalene
Concen: 0.413 ng
RT: 10.39 min Scan# 845
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 19065

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.3	13.9
127	13.6	10.5	15.7

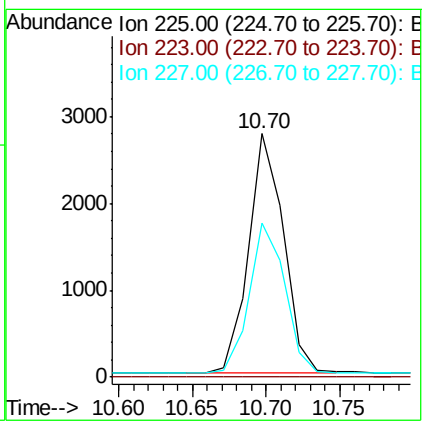


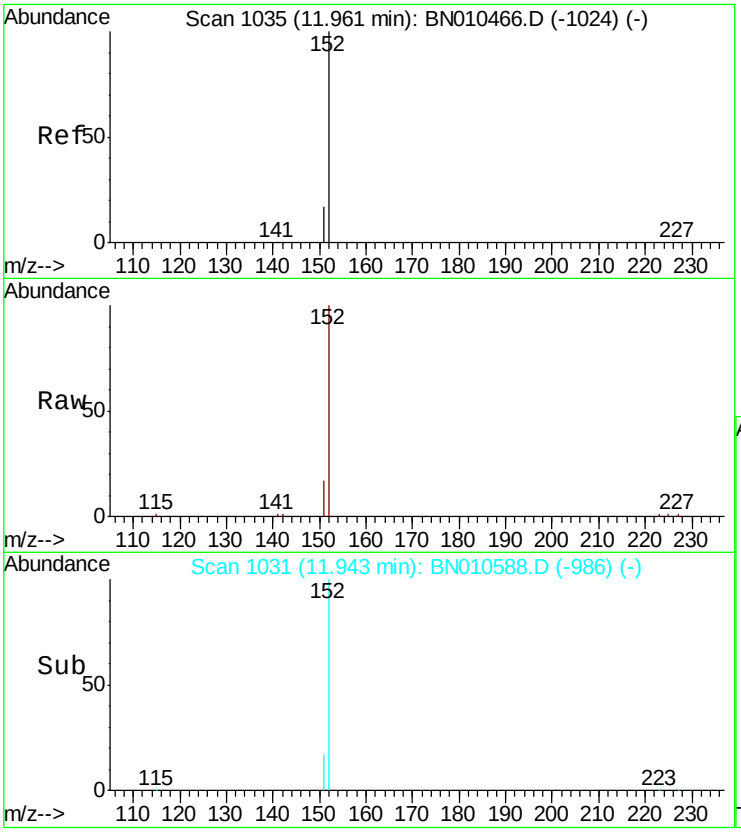


#10
Hexachlorobutadiene
Concen: 0.408 ng
RT: 10.70 min Scan# 869
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Tgt Ion:225 Resp: 4541

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	50.6	76.0



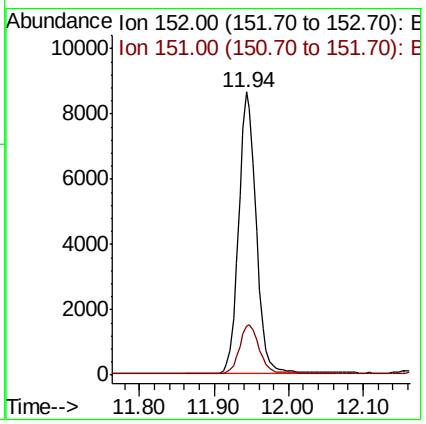


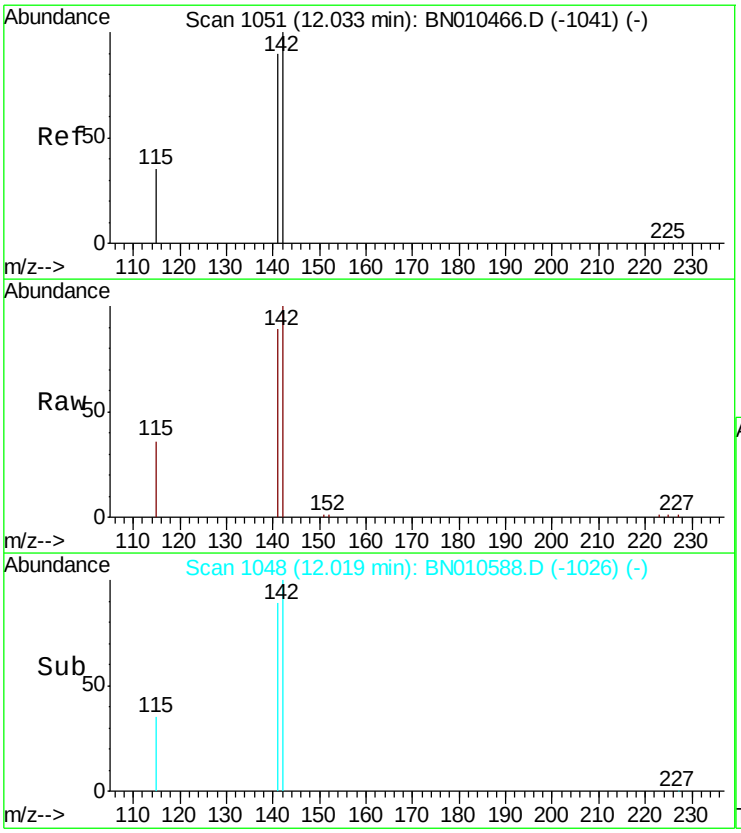
#11
2-Methylnaphthalene-d10
Concen: 0.462 ng
RT: 11.94 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 14128

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.3	22.9

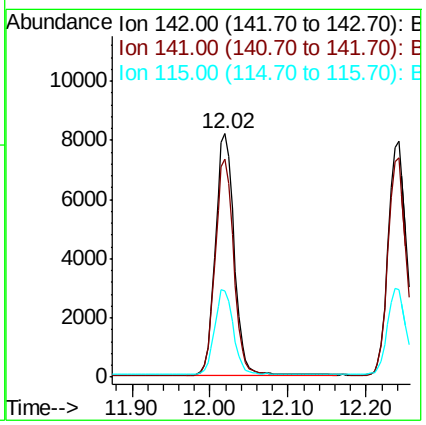


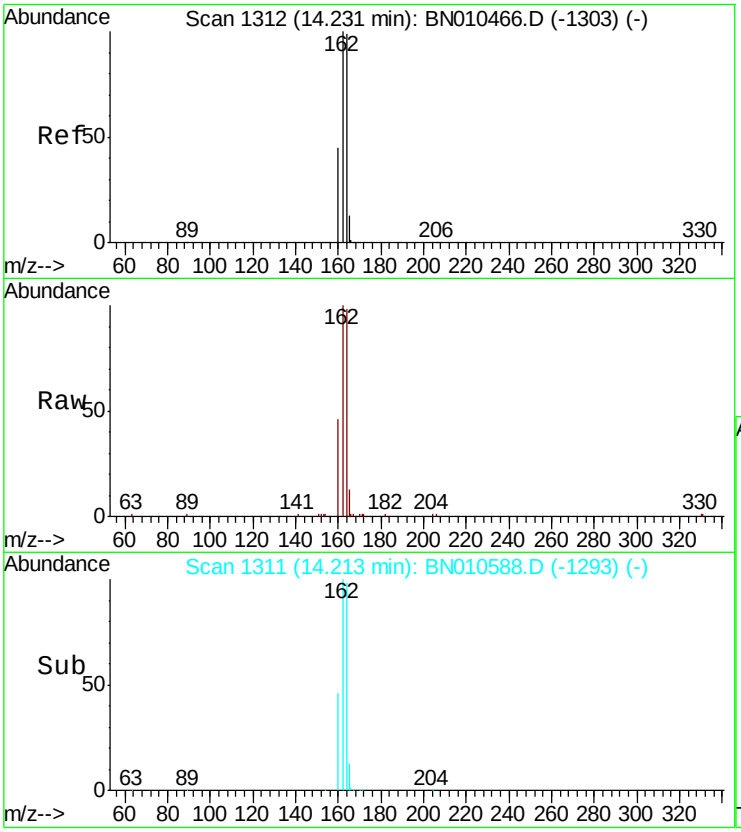


#12
2-Methylnaphthalene
Concen: 0.411 ng
RT: 12.02 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Tgt Ion:142 Resp: 13640

Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.9	107.9
115	35.5	28.8	43.2



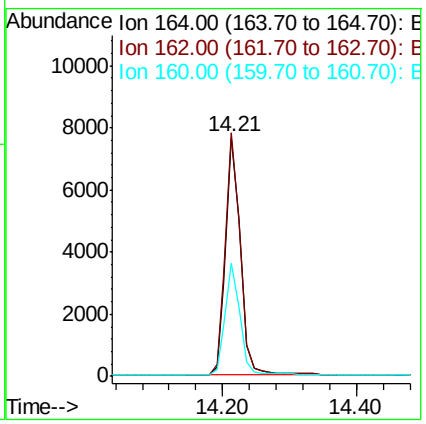


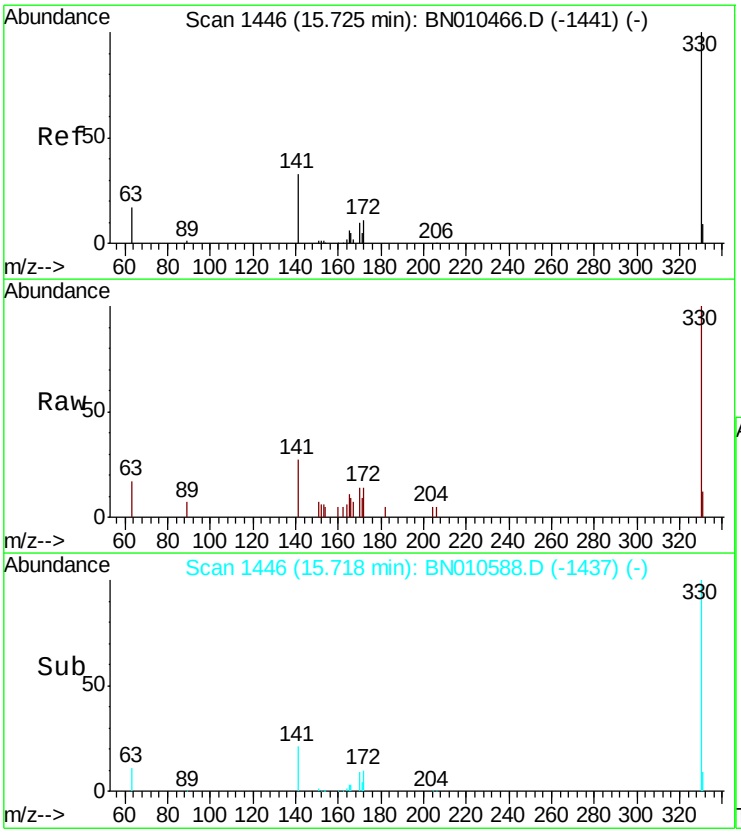
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.21 min Scan# 1311
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 11607

Ion	Ratio	Lower	Upper
164	100		
162	102.1	80.6	121.0
160	47.4	36.5	54.7

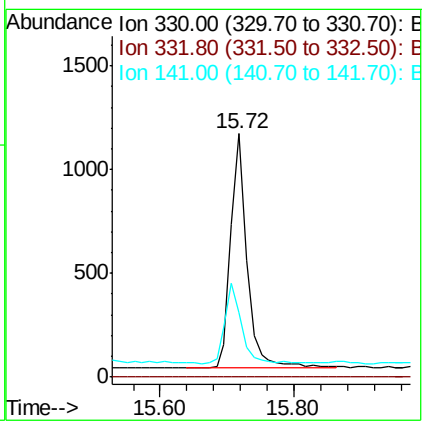


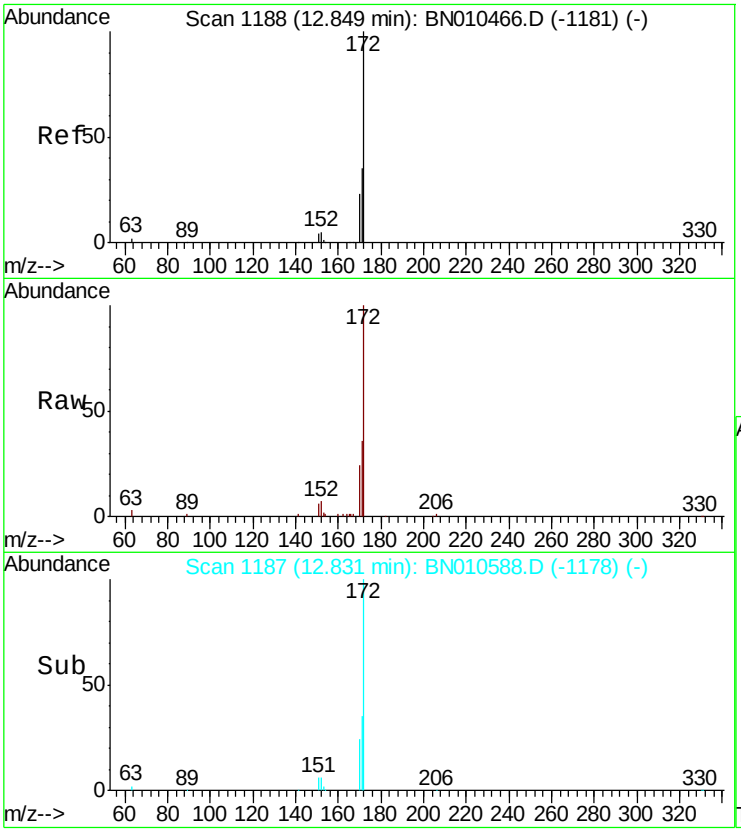


#14
2,4,6-Tribromophenol
Concen: 0.343 ng
RT: 15.72 min Scan# 1446
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Tgt Ion:330 Resp: 1874

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	35.2	28.1	42.1



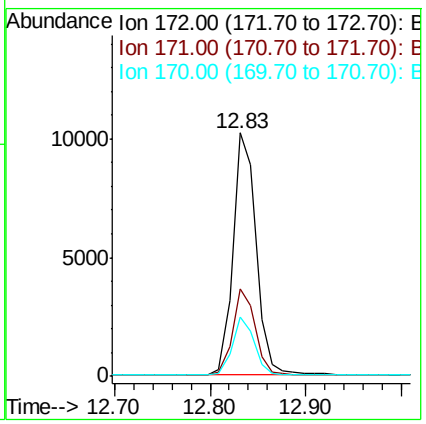


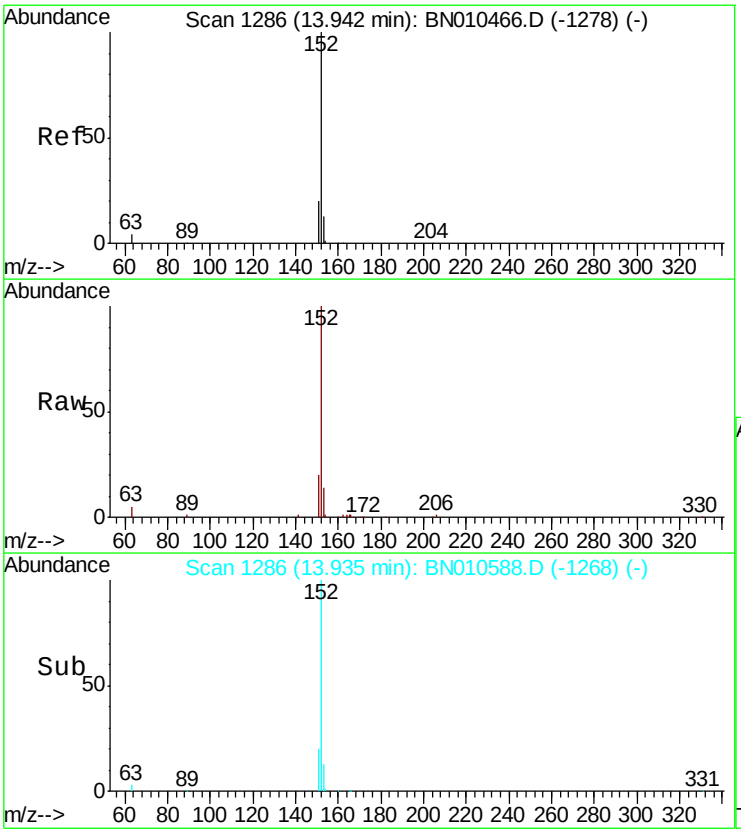
#15
2-Fluorobiphenyl
Concen: 0.409 ng
RT: 12.83 min Scan# 1187
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 17286

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.2	42.2
170	24.3	18.4	27.6

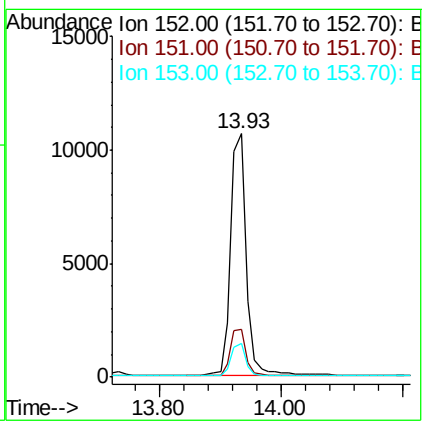


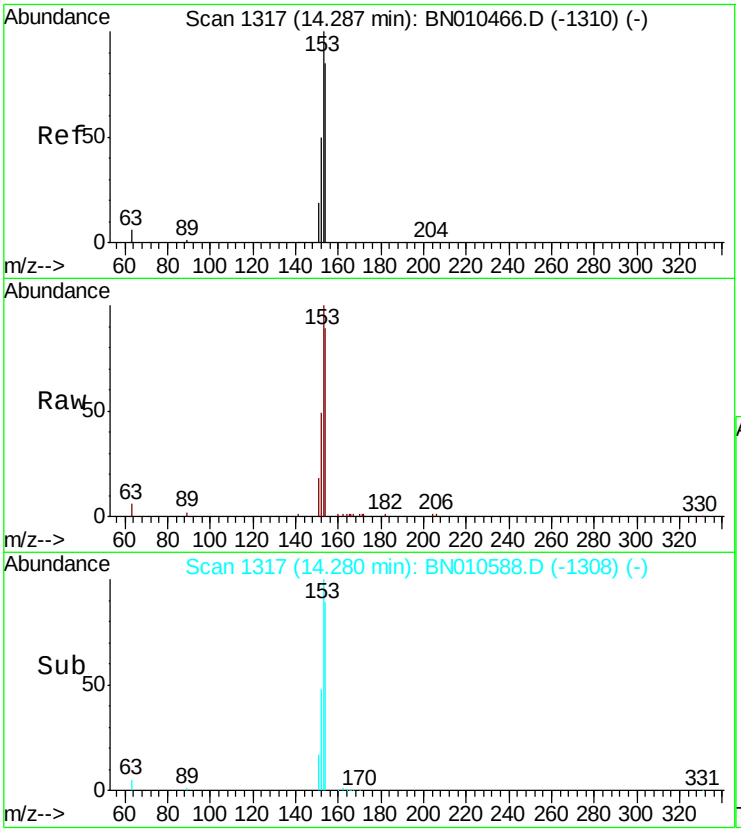


#16
Acenaphthylene
Concen: 0.381 ng
RT: 13.93 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Tgt Ion:152 Resp: 19120

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.7	23.5
153	13.0	10.6	15.8



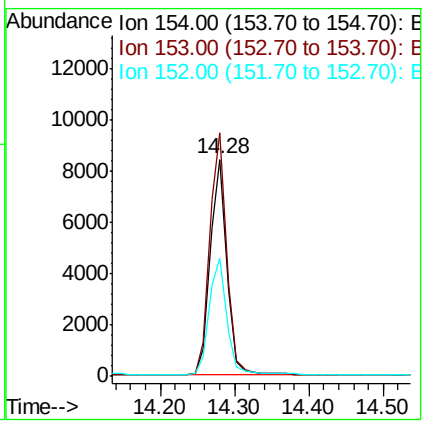


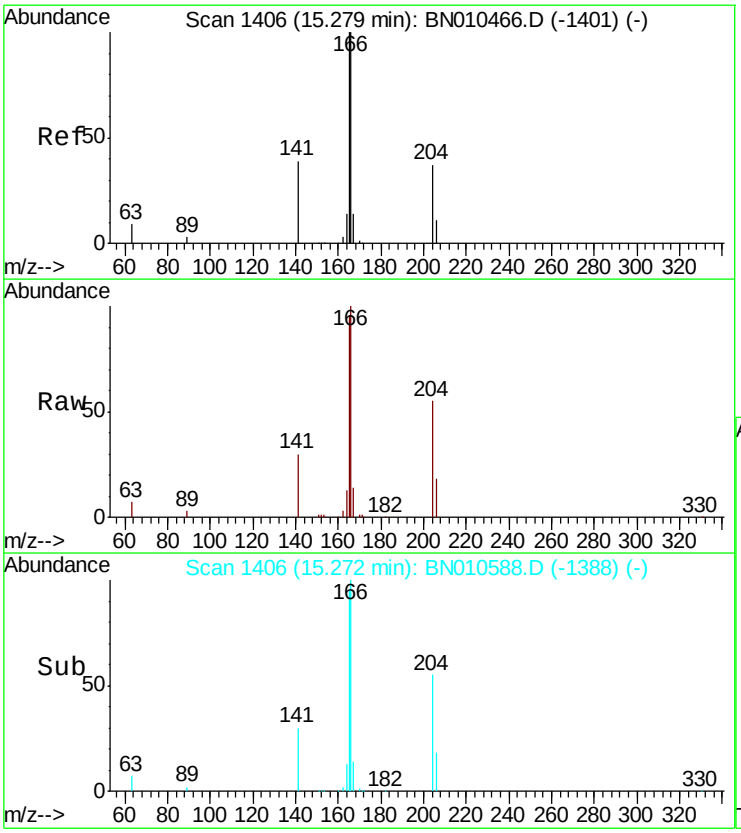
#17
Acenaphthene
Concen: 0.408 ng
RT: 14.28 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 13136

Ion	Ratio	Lower	Upper
154	100		
153	114.0	91.0	136.4
152	56.4	44.6	67.0

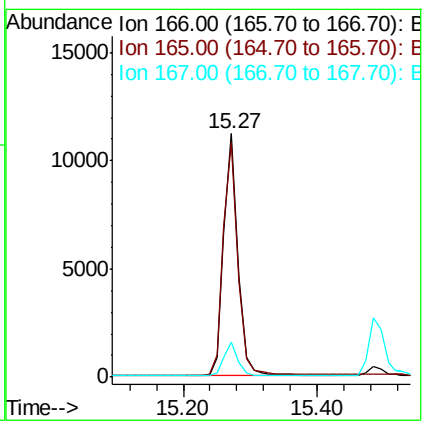


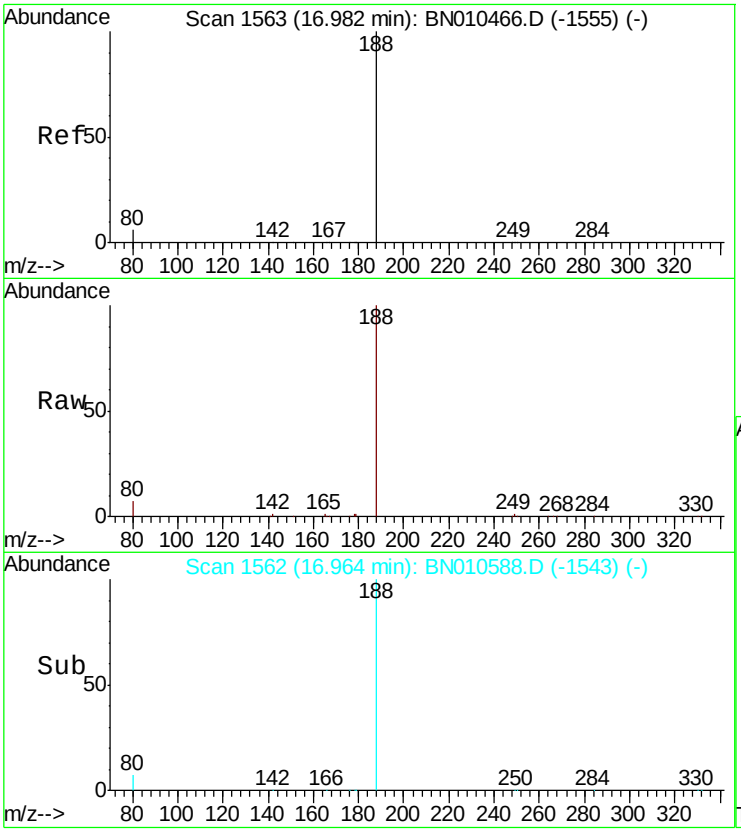


#18
Fluorene
Concen: 0.397 ng
RT: 15.27 min Scan# 1406
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Tgt Ion:166 Resp: 16769

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.4	117.6
167	13.7	10.9	16.3



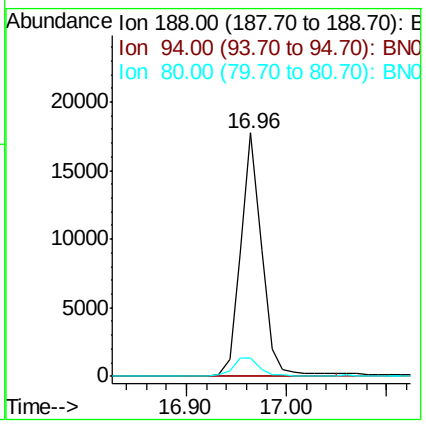


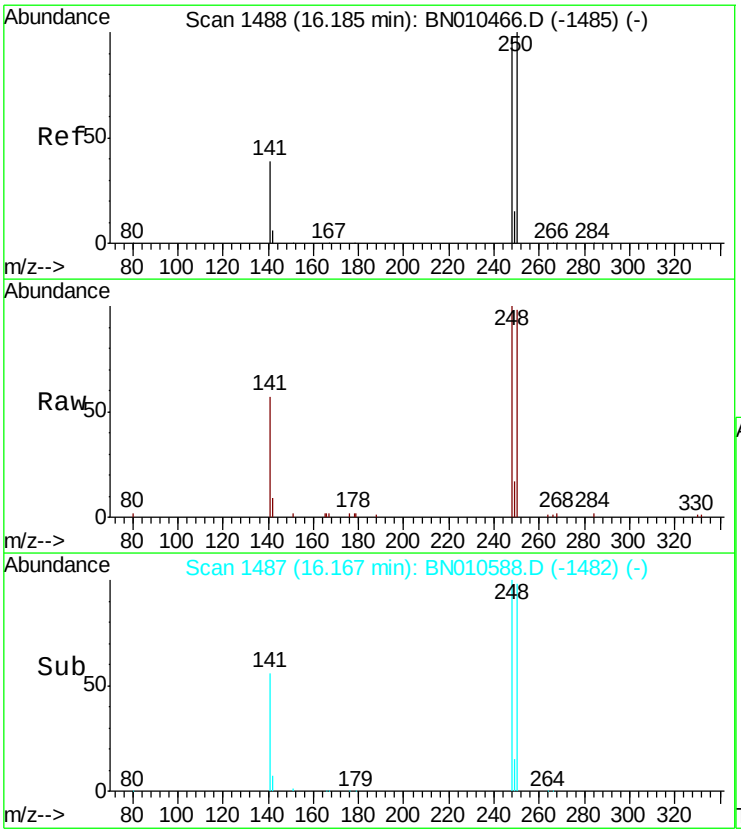
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.96 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 25654

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.5	5.0	7.6

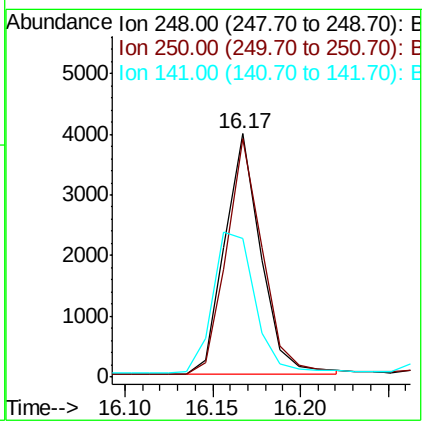


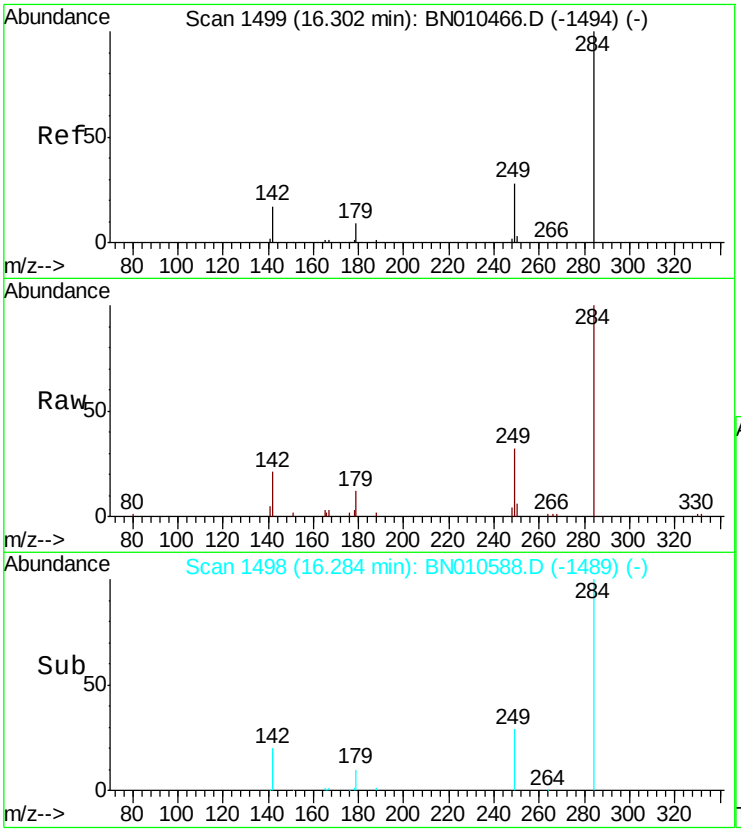


#20
4-Bromophenyl-phenylether
Concen: 0.393 ng
RT: 16.17 min Scan# 1487
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Tgt Ion:248 Resp: 5594

Ion	Ratio	Lower	Upper
248	100		
250	97.9	82.3	123.5
141	56.9	35.2	52.8#



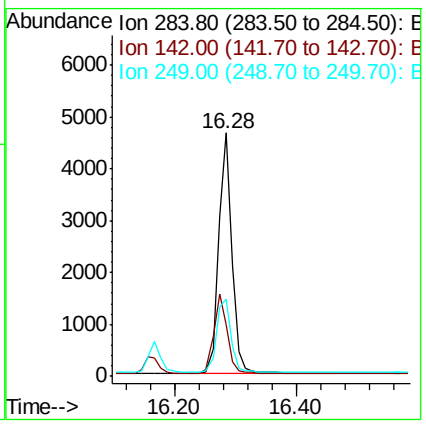


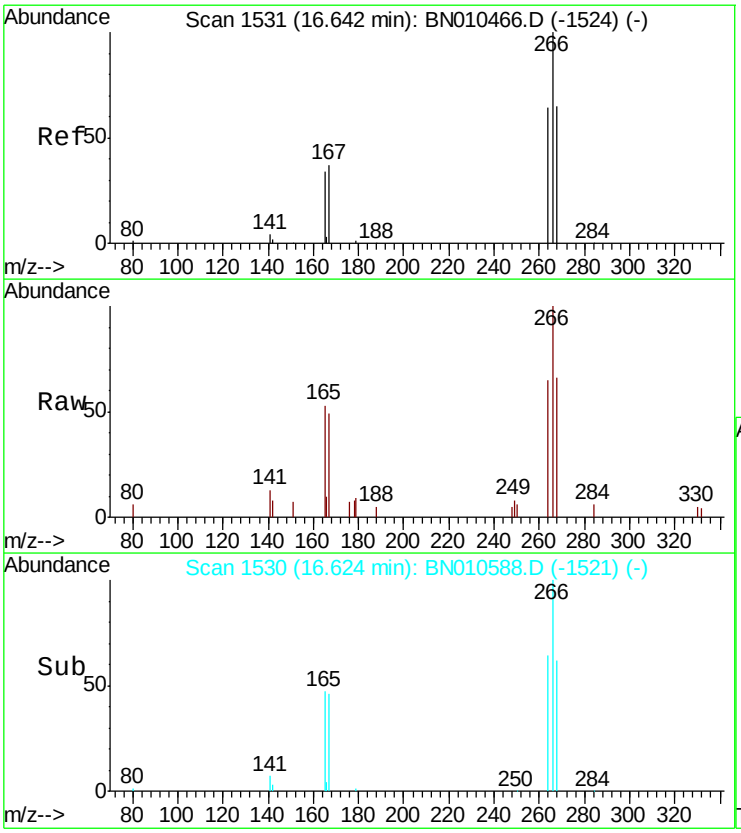
#21
Hexachlorobenzene
Concen: 0.426 ng
RT: 16.28 min Scan# 1498
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 6928

Ion	Ratio	Lower	Upper
284	100		
142	33.1	25.5	38.3
249	33.6	25.8	38.6

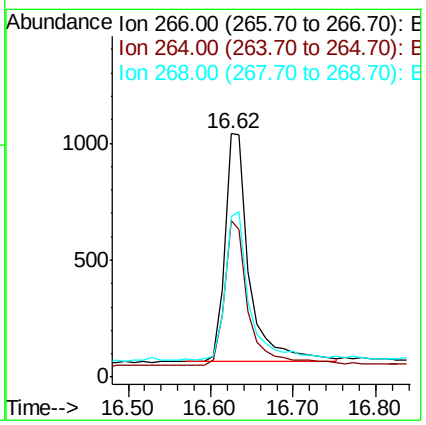


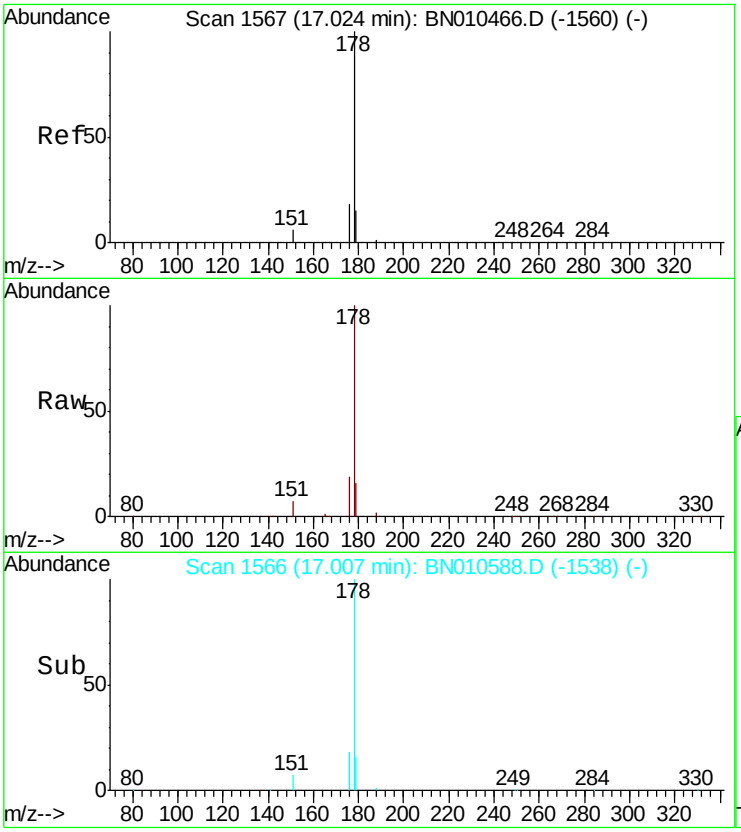


#22
Pentachlorophenol
Concen: 0.321 ng
RT: 16.62 min Scan# 1530
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Tgt Ion:266 Resp: 2054

Ion	Ratio	Lower	Upper
266	100		
264	64.6	51.8	77.6
268	65.7	53.7	80.5



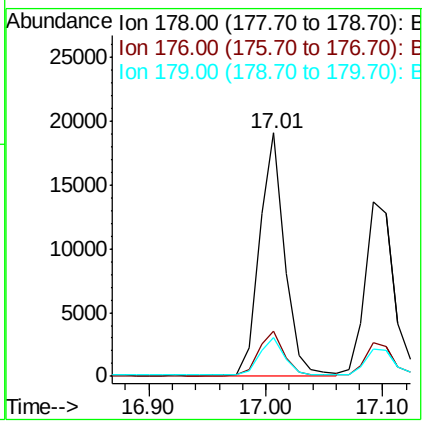


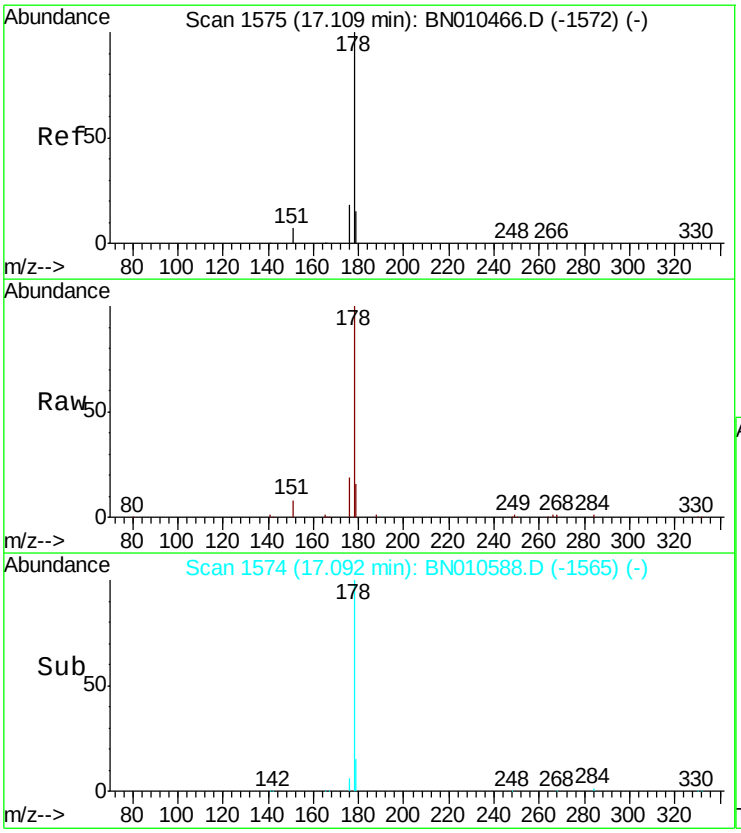
#23
Phenanthrene
Concen: 0.409 ng
RT: 17.01 min Scan# 1566
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 28370

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.6	12.6	18.8

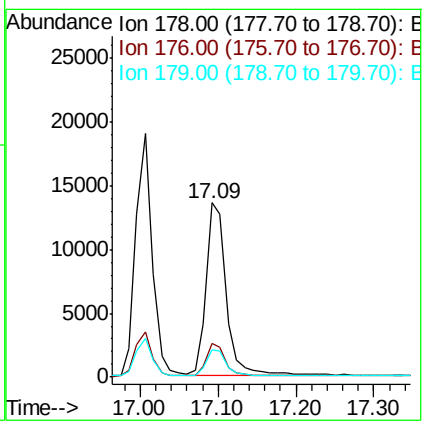


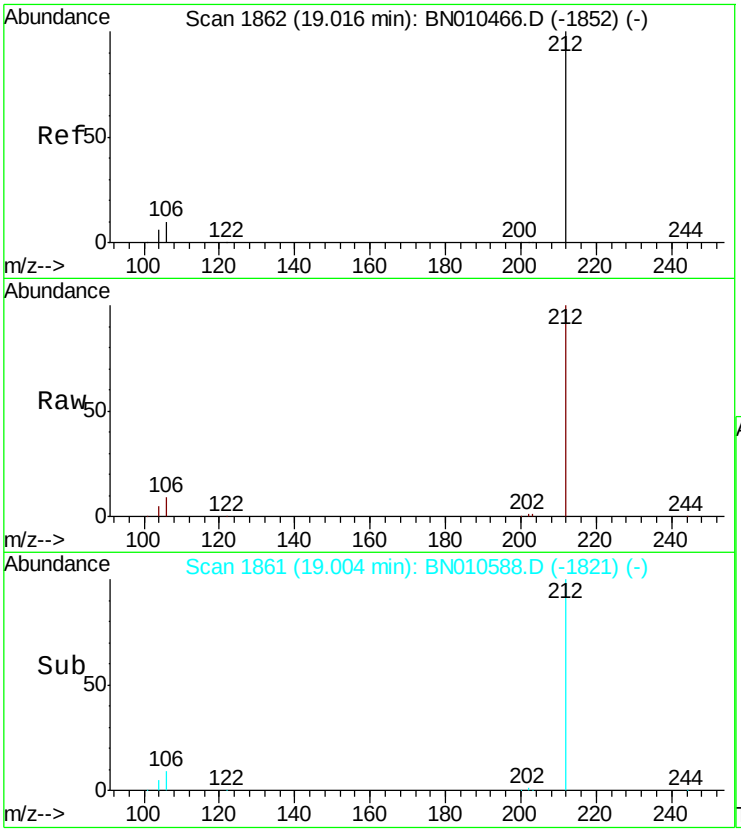


#24
Anthracene
Concen: 0.377 ng
RT: 17.09 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Tgt Ion:178 Resp: 23889

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	15.1	12.2	18.2



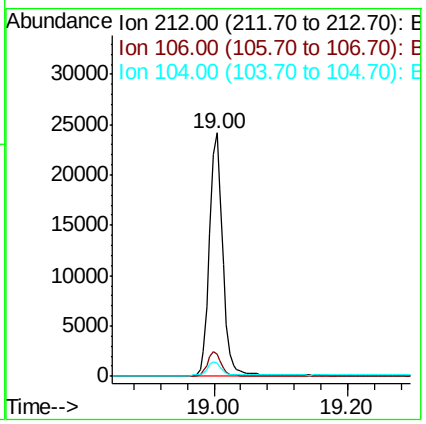


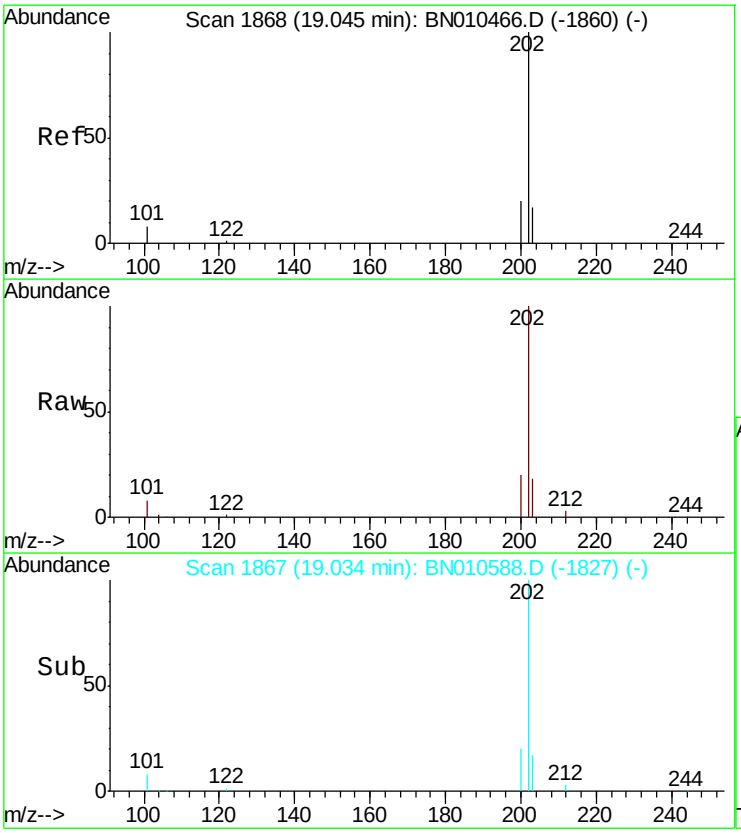
#25
Fluoranthene-d10
Concen: 0.429 ng
RT: 19.00 min Scan# 1861
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 33348

Ion	Ratio	Lower	Upper
212	100		
106	9.9	7.8	11.6
104	5.8	4.5	6.7

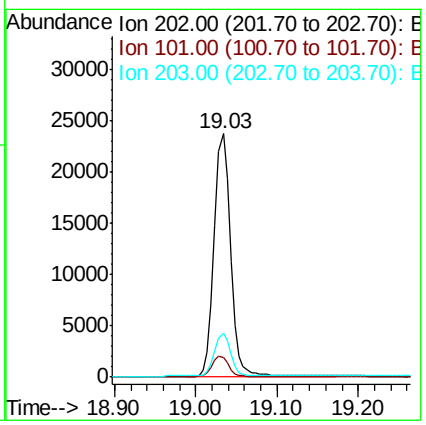


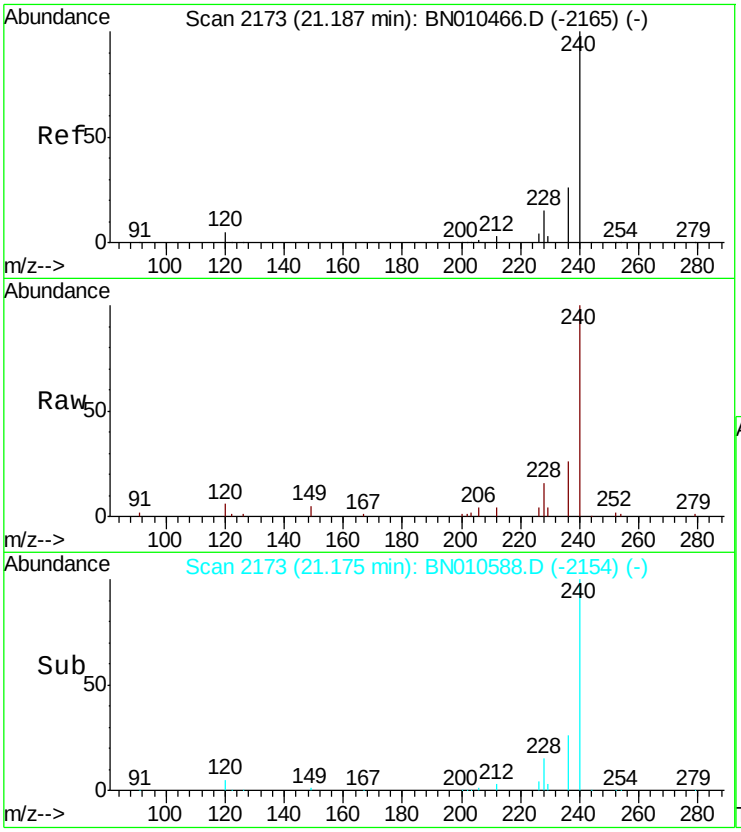


#26
Fluoranthene
Concen: 0.386 ng
RT: 19.03 min Scan# 1867
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Tgt Ion:202 Resp: 33315

Ion	Ratio	Lower	Upper
202	100		
101	8.6	6.9	10.3
203	17.1	13.9	20.9



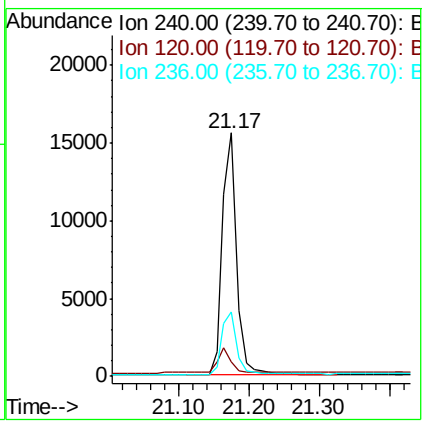


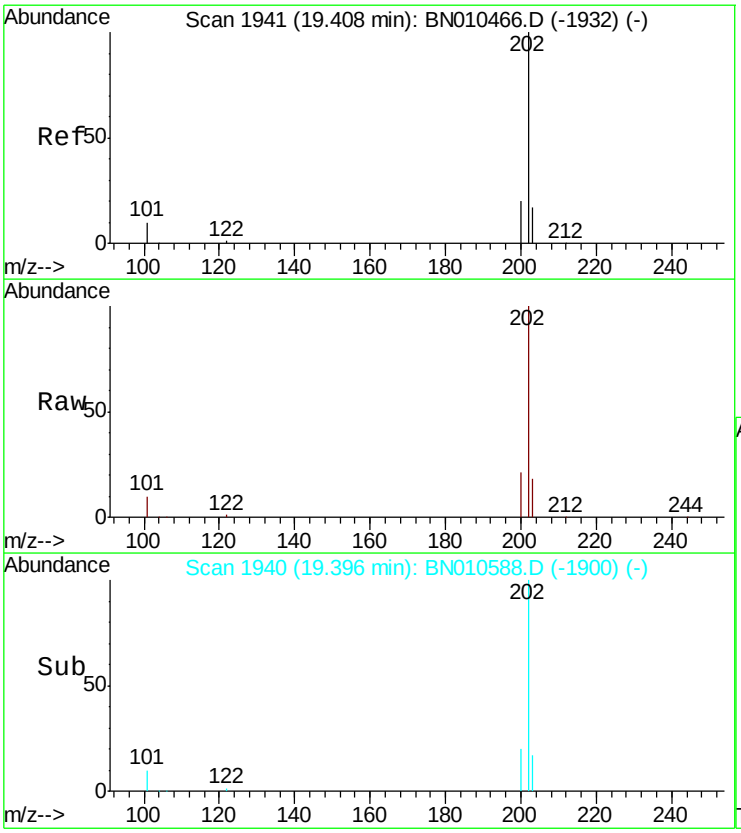
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.17 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 22364

Ion	Ratio	Lower	Upper
240	100		
120	5.9	4.8	7.2
236	26.5	21.4	32.0

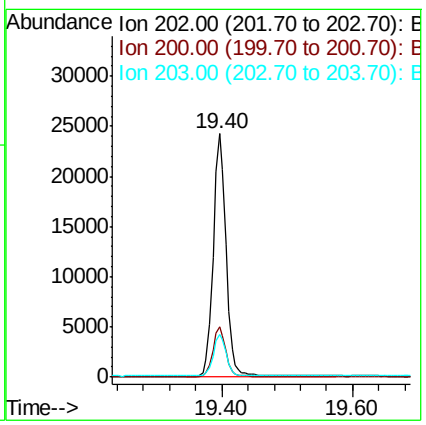


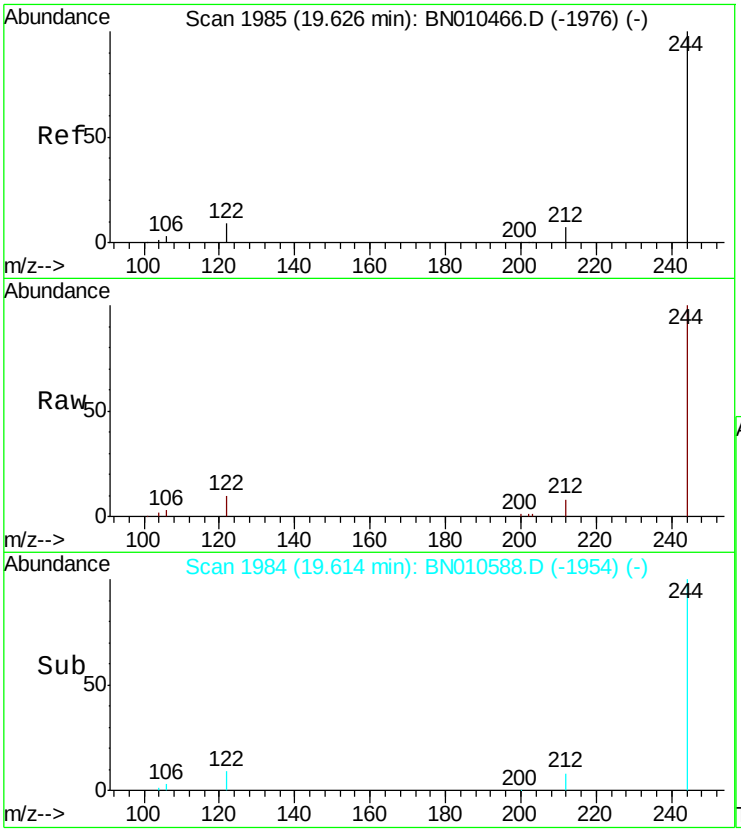


#28
Pyrene
Concen: 0.439 ng
RT: 19.40 min Scan# 1940
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Tgt Ion:202 Resp: 33032

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.3	24.5
203	17.5	14.0	21.0



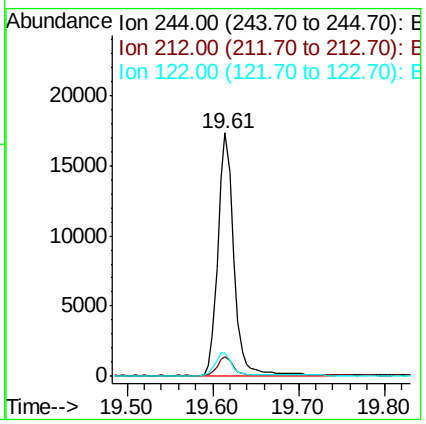


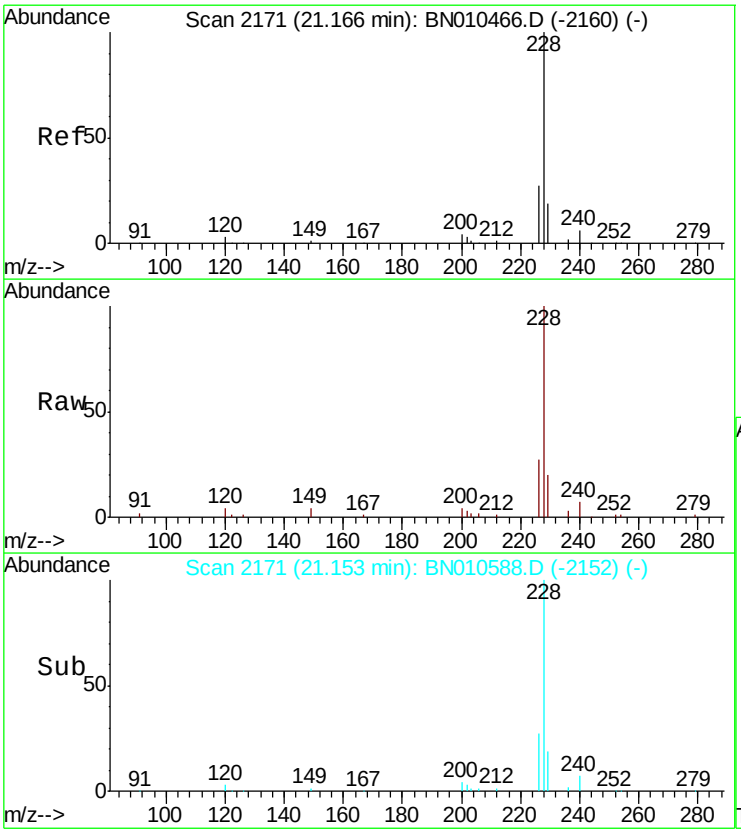
#29
Terphenyl-d14
Concen: 0.437 ng
RT: 19.61 min Scan# 1984
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 22357

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.4
122	9.7	7.8	11.8

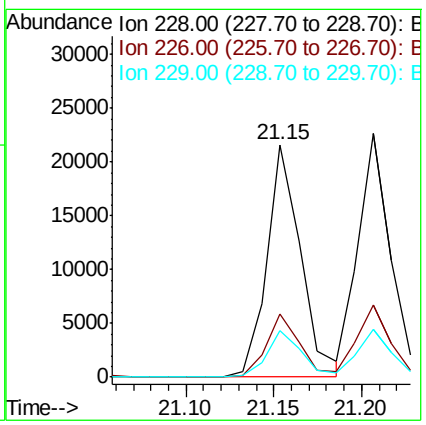


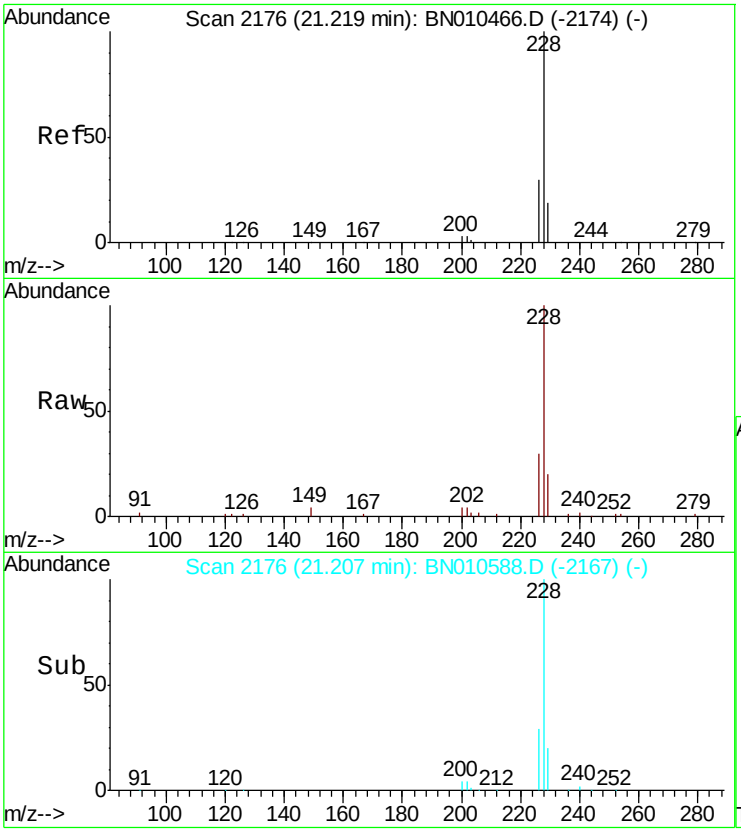


#30
Benzo(a)anthracene
Concen: 0.394 ng
RT: 21.15 min Scan# 2171
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Tgt Ion:228 Resp: 28718

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.7	32.5
229	19.8	15.6	23.4



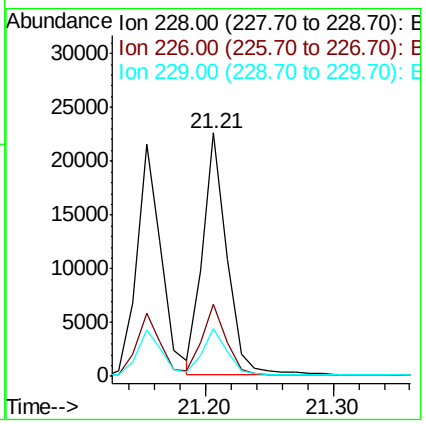


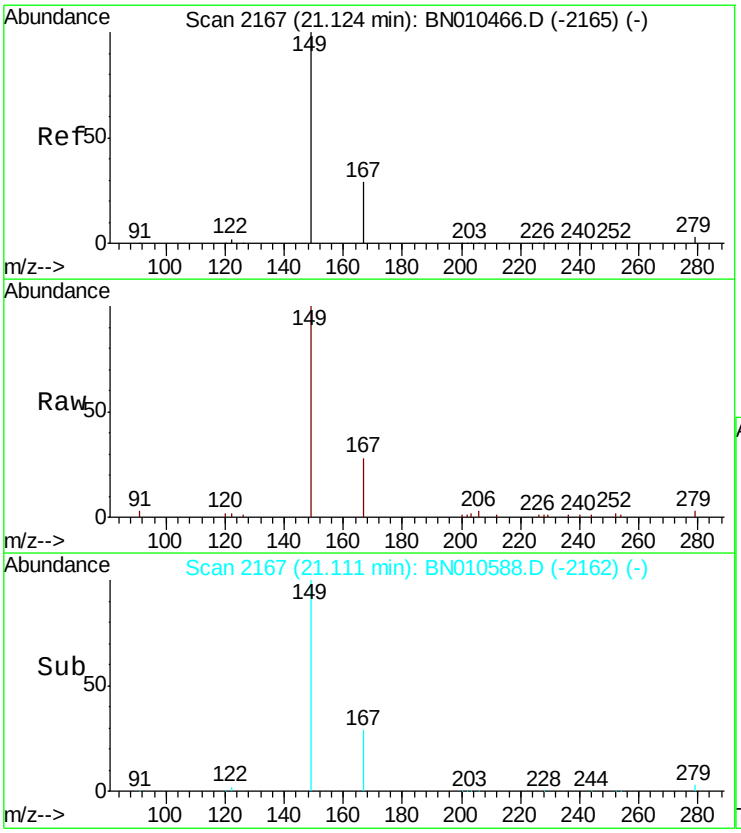
#31
Chrysene
Concen: 0.401 ng
RT: 21.21 min Scan# 2176
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 29180

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.0	36.0
229	19.8	15.8	23.6

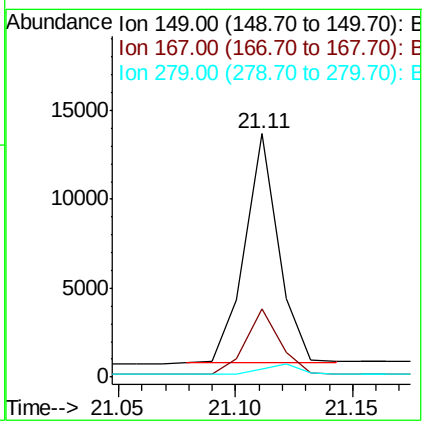


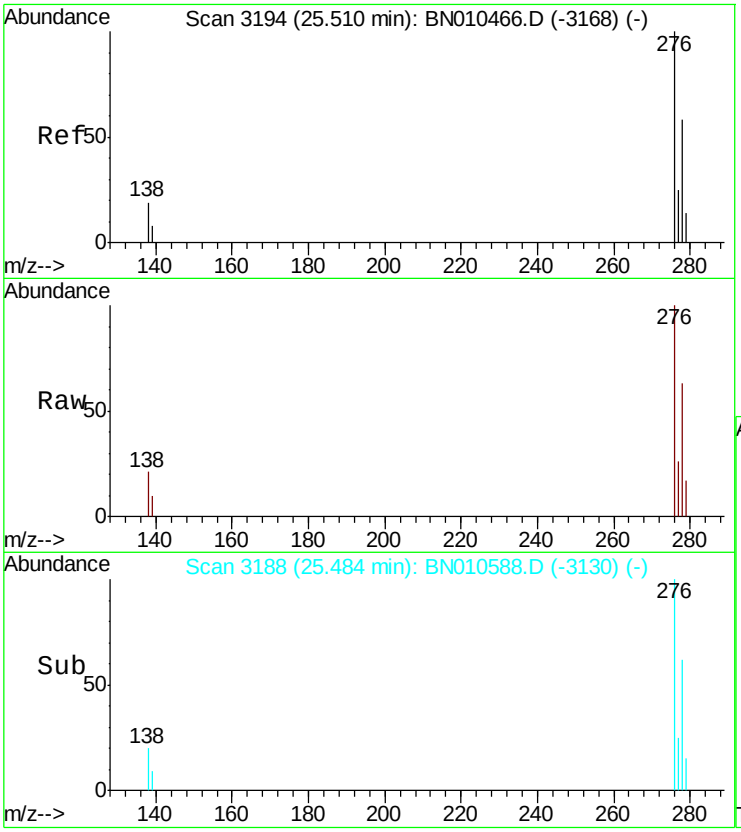


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.349 ng
RT: 21.11 min Scan# 2167
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Tgt Ion:149 Resp: 13049

Ion	Ratio	Lower	Upper
149	100		
167	28.6	23.4	35.0
279	5.0	4.0	6.0



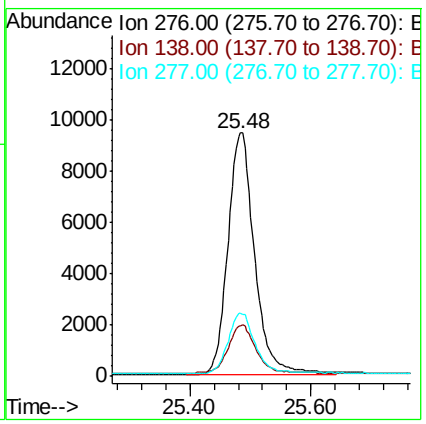


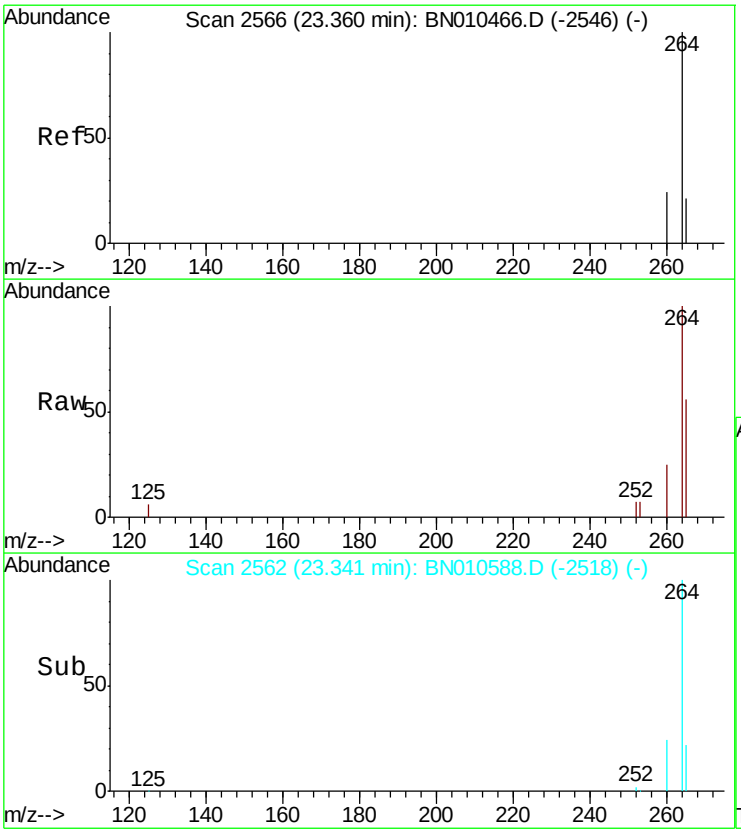
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.448 ng
RT: 25.48 min Scan# 3188
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 28764

Ion	Ratio	Lower	Upper
276	100		
138	21.2	16.4	24.6
277	24.8	19.8	29.6

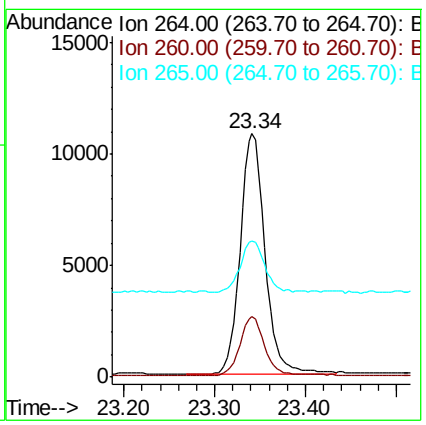


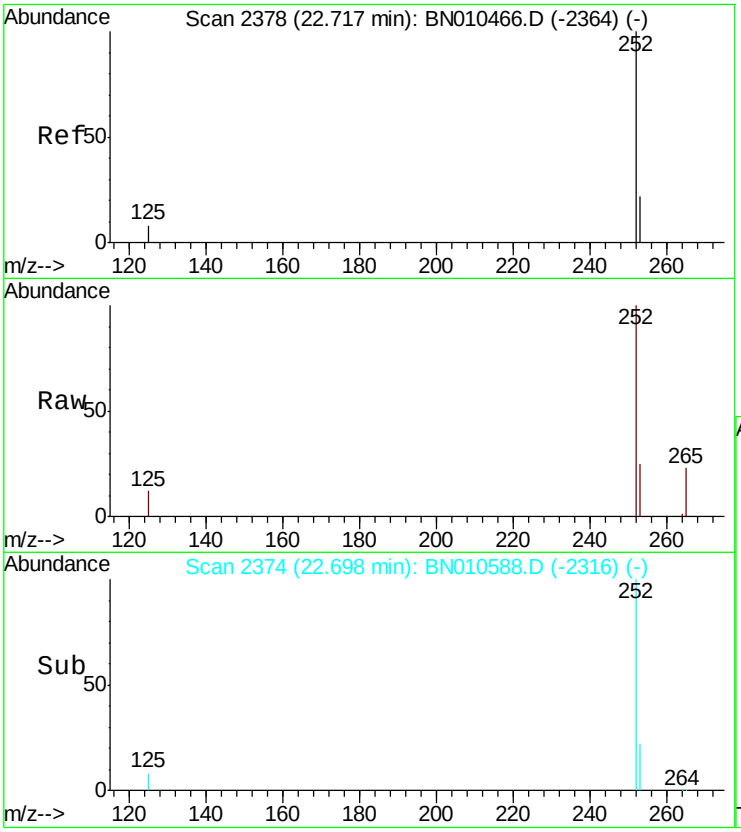


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.34 min Scan# 2562
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Tgt Ion:264 Resp: 20425

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.8	29.8
265	55.9	42.3	63.5



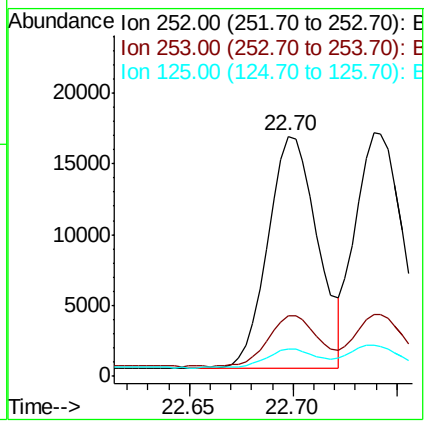


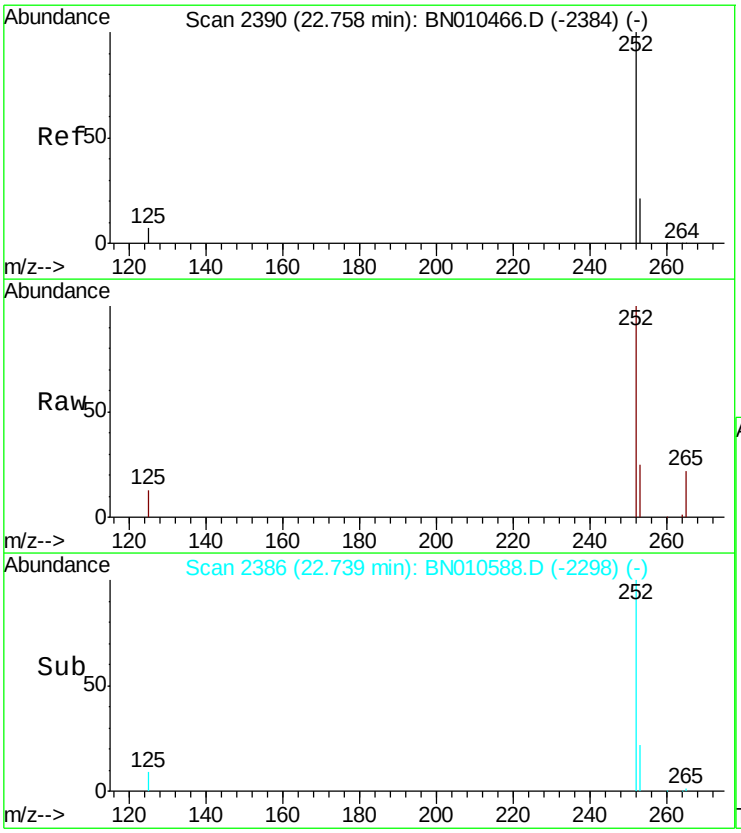
#35
Benzo(b)fluoranthene
Concen: 0.406 ng
RT: 22.70 min Scan# 2374
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 27299

Ion	Ratio	Lower	Upper
252	100		
253	25.2	20.2	30.4
125	11.5	9.2	13.8

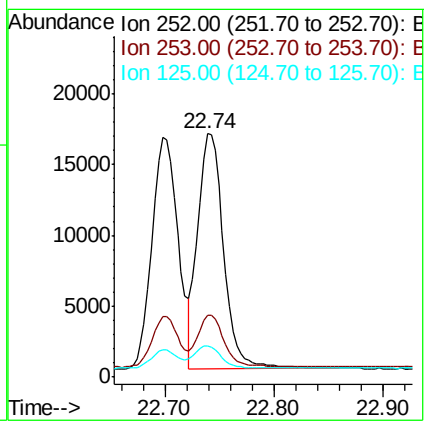


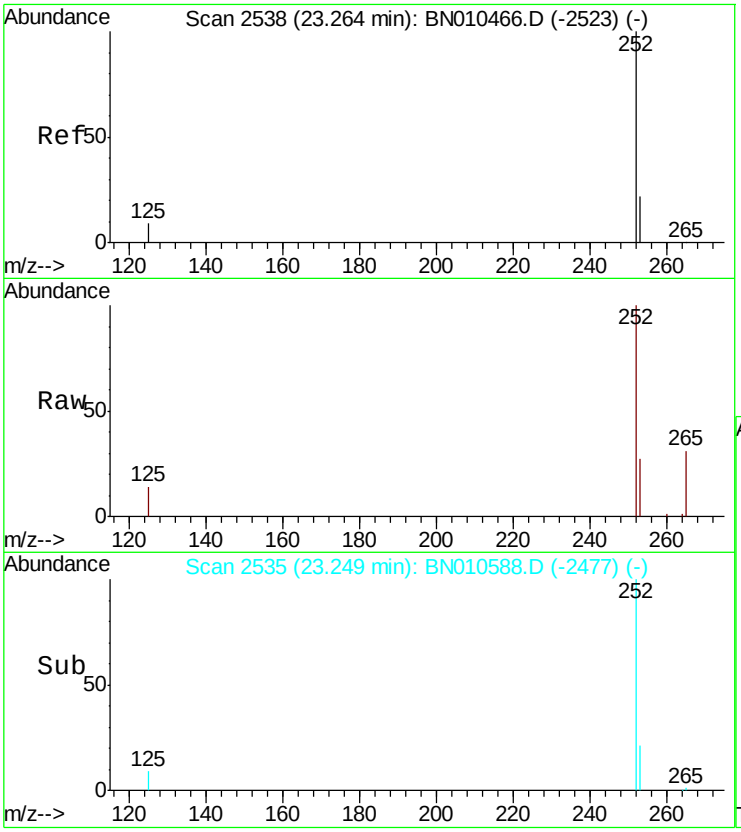


#36
Benzo(k)fluoranthene
Concen: 0.408 ng
RT: 22.74 min Scan# 2386
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Tgt Ion:252 Resp: 27479

Ion	Ratio	Lower	Upper
252	100		
253	25.2	20.1	30.1
125	12.7	9.6	14.4



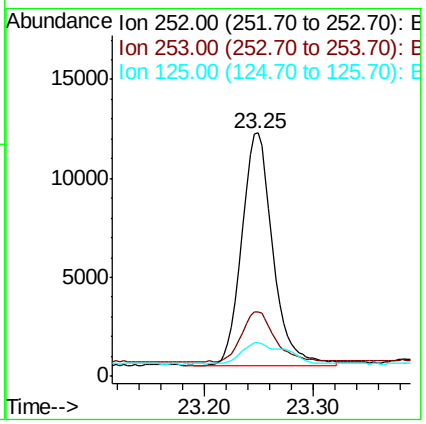


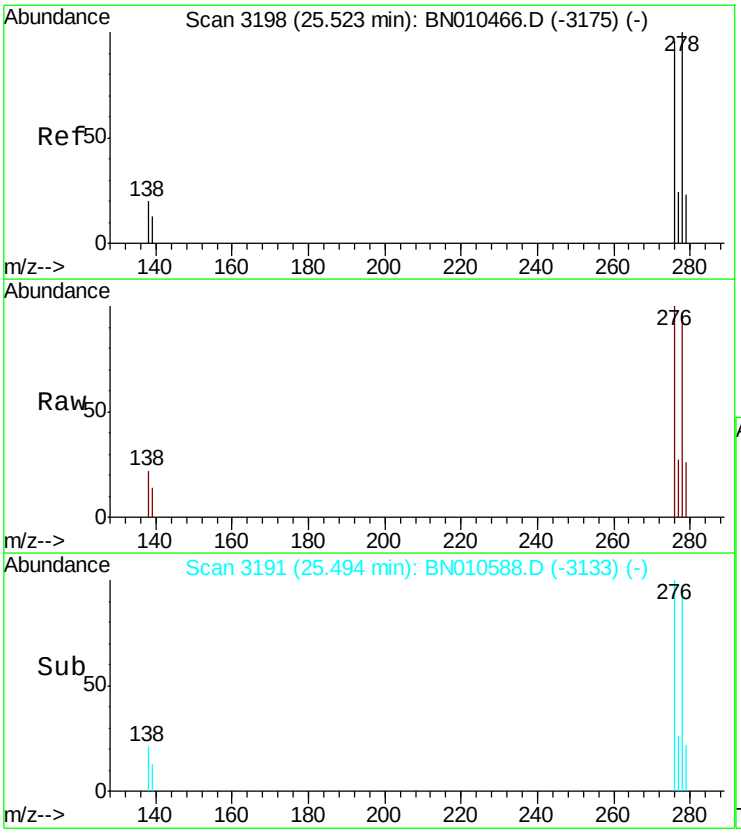
#37
Benzo(a)pyrene
Concen: 0.393 ng
RT: 23.25 min Scan# 2535
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 23392

Ion	Ratio	Lower	Upper
252	100		
253	26.7	21.8	32.8
125	13.7	11.0	16.6

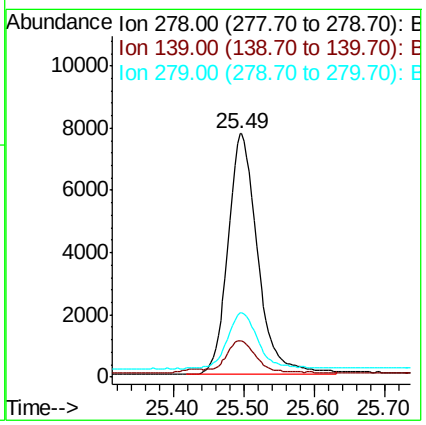


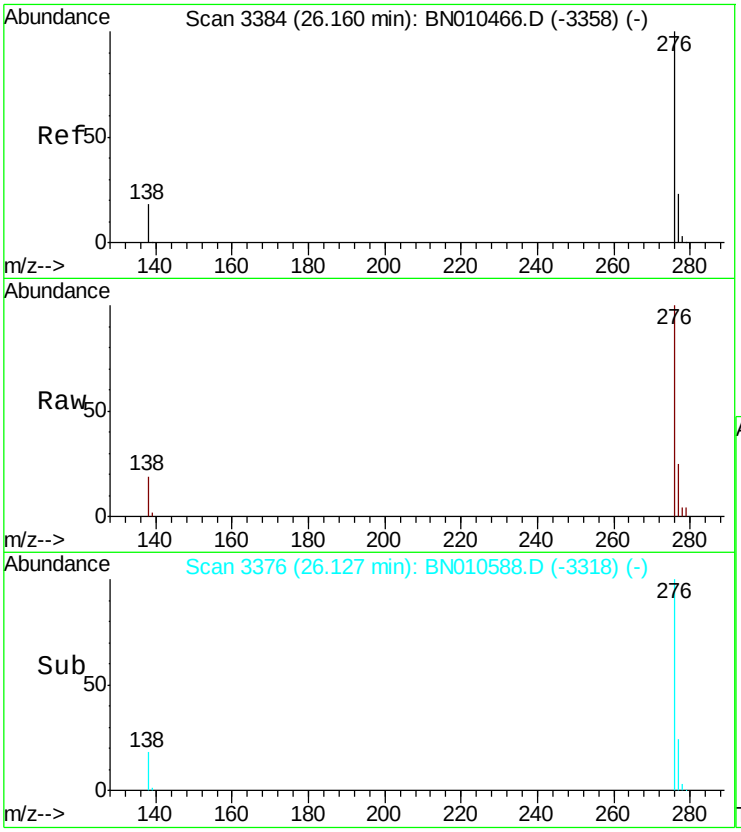


#38
Dibenzo(a,h)anthracene
Concen: 0.417 ng
RT: 25.49 min Scan# 3191
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Tgt Ion:278 Resp: 22701

Ion	Ratio	Lower	Upper
278	100		
139	14.9	12.3	18.5
279	26.5	21.9	32.9





#39
Benzo(g,h,i)perylene
Concen: 0.436 ng
RT: 26.13 min Scan# 3376
Delta R.T. 0.00 min
Lab File: BN010588.D
Acq: 24 Apr 2020 12:17

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 23869

Ion	Ratio	Lower	Upper
276	100		
277	25.2	20.2	30.2
138	19.0	15.4	23.2