Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061620\
Data File : BN010921.D
Acq On : 17 Jun 2020 00:55
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4

Quant Time: Jun 17 03:52:27 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 16 08:49:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	2492	0.40	ng		0.00
7) Naphthalene-d8	10.29	136	8103	0.40	ng		-0.01
13) Acenaphthene-d10	14.16	164	4389	0.40	ng		0.00
19) Phenanthrene-d10	16.92	188	8829	0.40	ng		0.00
27) Chrysene-d12	21.12	240	8345	0.40	ng		0.00
34) Perylene-d12	23.26	264	8434	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.19	112	2129	0.44	ng		0.00
5) Phenol-d6	6.74	99	2451	0.43	ng		0.00
8) Nitrobenzene-d5	8.68	82	2539	0.42	ng		0.00
11) 2-Methylnaphthalene-d10	11.89	152	5168	0.41	ng		0.00
14) 2,4,6-Tribromophenol	15.67	330	618	0.39	ng		0.00
15) 2-Fluorobiphenyl	12.78	172	7452	0.43	ng		0.00
25) Fluoranthene-d10	18.96	212	9978	0.41	ng		0.00
29) Terphenyl-d14	19.57	244	8276	0.42	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.22	88	1072	0.439	ng		97
3) n-Nitrosodimethylamine	3.55	42	558	0.393	ng	#	91
6) bis(2-Chloroethyl)ether	6.99	93	2242	0.406	ng		96
9) Naphthalene	10.34	128	8714	0.428	ng		99
10) Hexachlorobutadiene	10.63	225	2043	0.406	ng	#	100
12) 2-Methylnaphthalene	11.97	142	5718	0.420	ng		98
16) Acenaphthylene	13.87	152	7456	0.415	ng		99
17) Acenaphthene	14.22	154	5177	0.422	ng		99
18) Fluorene	15.22	166	6516	0.412	ng		98
20) 4-Bromophenyl-phenylether	16.12	248	2154	0.406	ng		92
21) Hexachlorobenzene	16.23	284	2340	0.423	ng		99
22) Pentachlorophenol	16.58	266	784	0.422	ng		97
23) Phenanthrene	16.96	178	10211	0.423	ng		99
24) Anthracene	17.05	178	8397	0.417	ng		99
26) Fluoranthene	18.99	202	11394	0.416	ng		99
28) Pyrene	19.35	202	11327	0.410	ng		100
30) Benzo(a)anthracene	21.10	228	10121	0.413	ng		97
31) Chrysene	21.16	228	13271	0.464	ng		98
32) Bis(2-ethylhexyl)phthalate	21.06	149	3497	0.428	ng		98
33) Indeno(1,2,3-cd)pyrene	25.37	276	13768	0.431	ng	#	96
35) Benzo(b)fluoranthene	22.63	252	12041	0.420	ng		98
36) Benzo(k)fluoranthene	22.67	252	12704	0.416	ng		98
37) Benzo(a)pyrene	23.17	252	10188	0.414	ng		96
38) Dibenzo(a,h)anthracene	25.39	278	11104	0.396	ng		97
39) Benzo(g,h,i)perylene	26.01	276	11641	0.397	ng		98

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

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Misc :
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Instrument :
BNA_N
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Quant Time: Jun 17 03:52:27 2020
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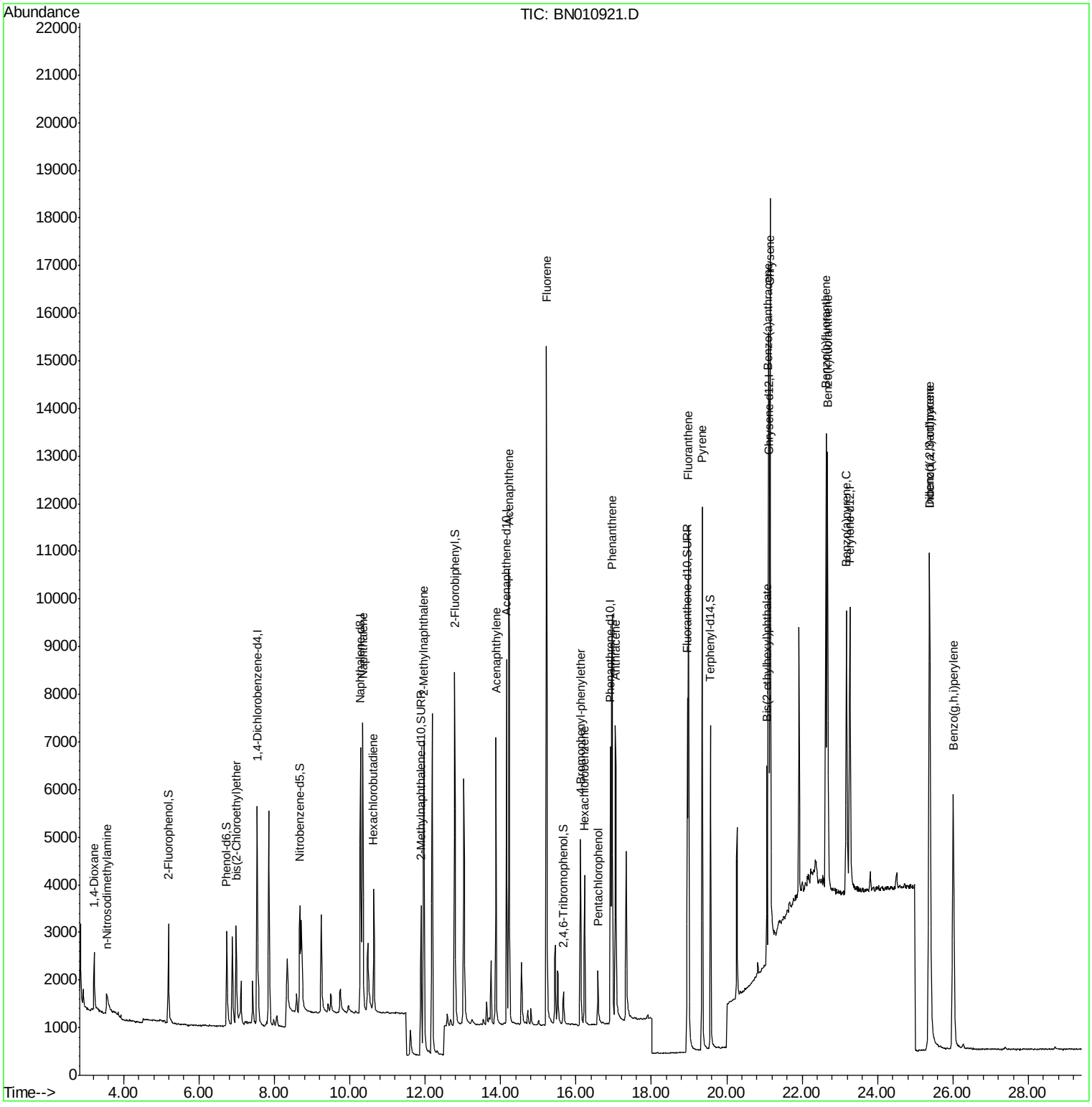
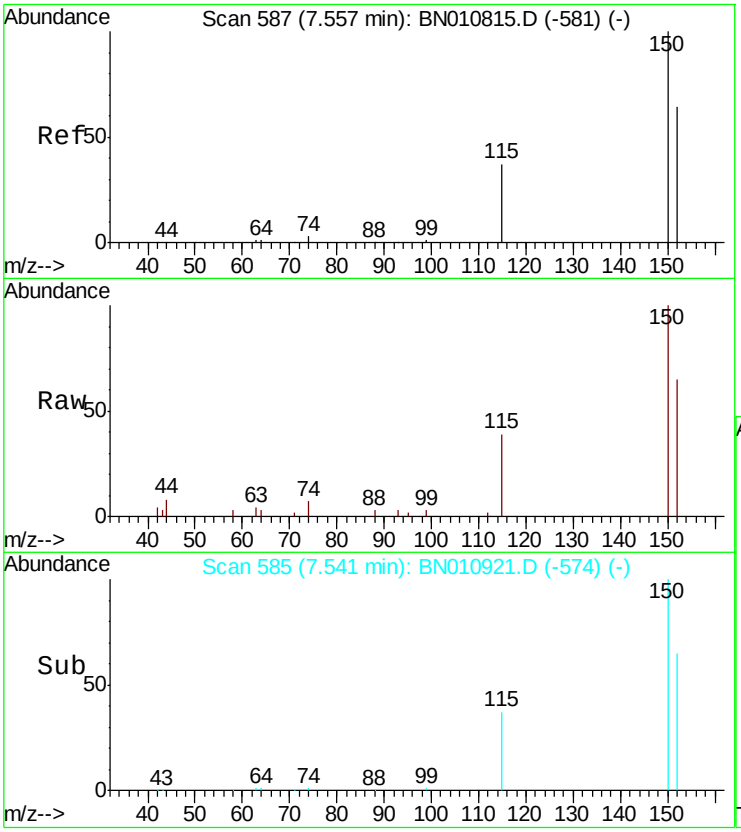
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 16 08:49:35 2020
Response via : Initial Calibration



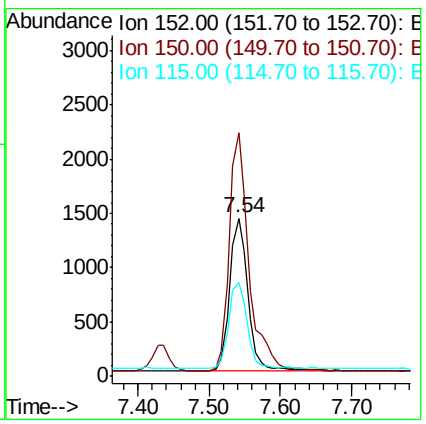


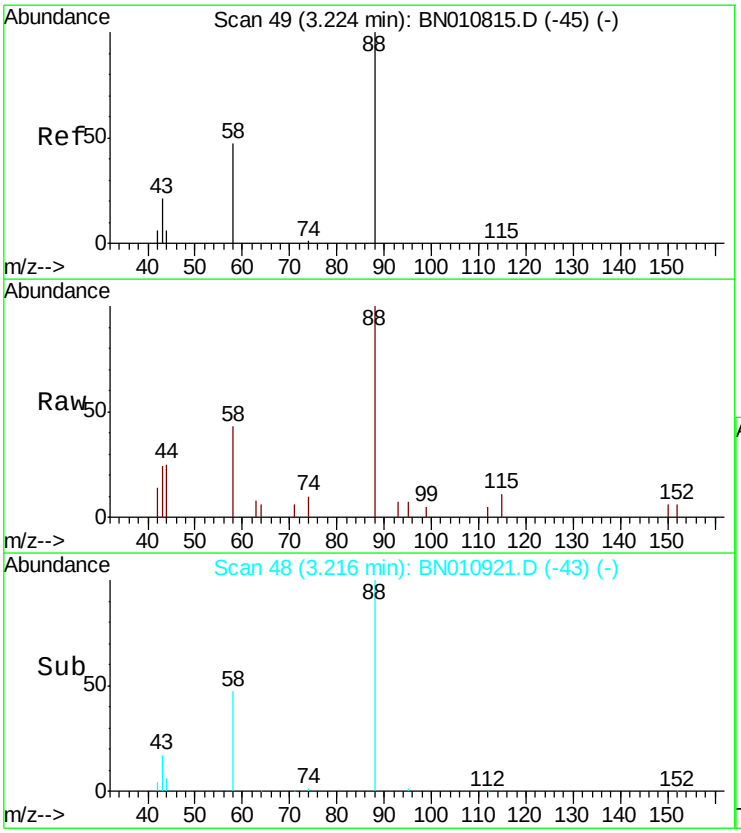
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.54 min Scan# 585
Delta R.T. -0.01 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 2492

Ion	Ratio	Lower	Upper
152	100		
150	154.0	123.8	185.6
115	59.4	49.2	73.8

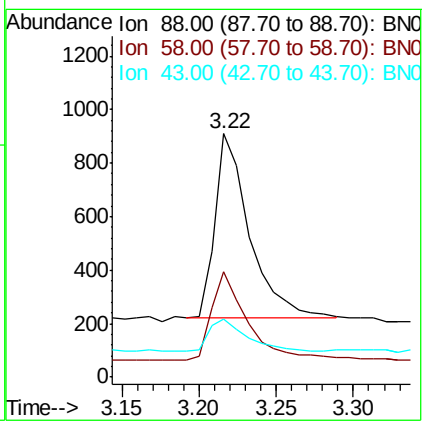


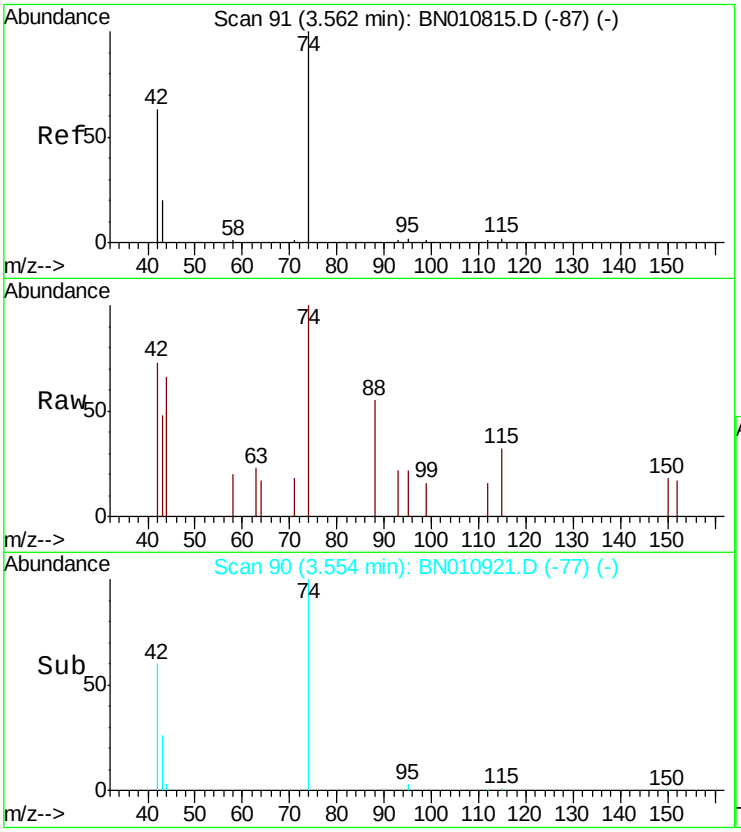


#2
1,4-Dioxane
Concen: 0.439 ng
RT: 3.22 min Scan# 48
Delta R.T. -0.01 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Tgt Ion: 88 Resp: 1072

Ion	Ratio	Lower	Upper
88	100		
58	50.4	38.2	57.4
43	18.6	15.1	22.7



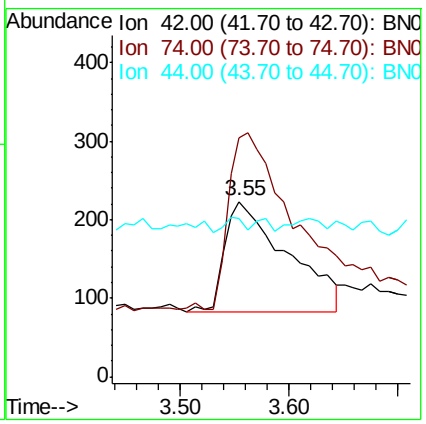


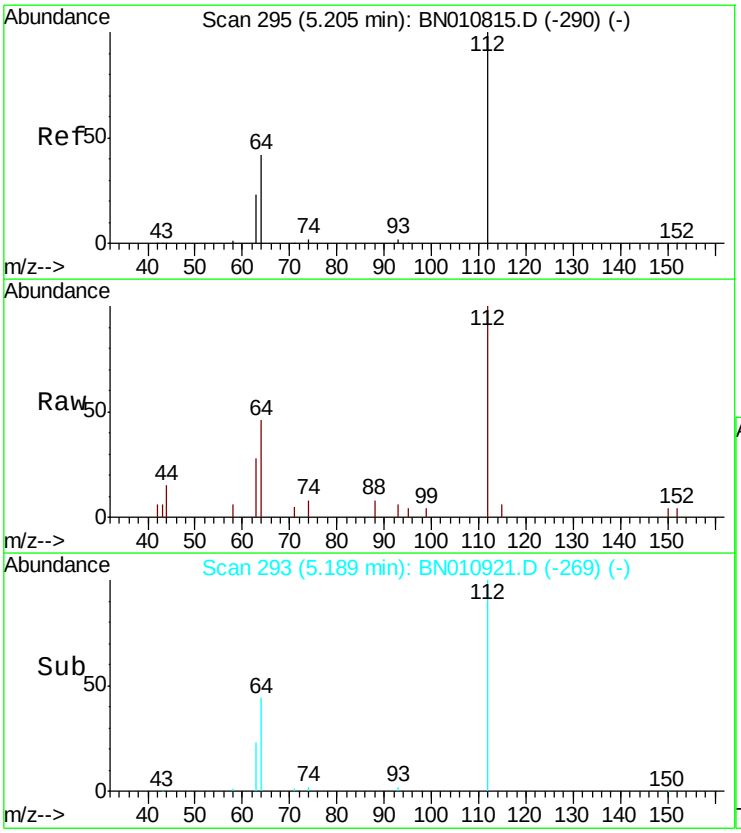
#3
n-Nitrosodimethylamine
Concen: 0.393 ng
RT: 3.55 min Scan# 90
Delta R.T. 0.01 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 558

Ion	Ratio	Lower	Upper
42	100		
74	163.8	140.7	211.1
44	3.9	1.4	2.2#

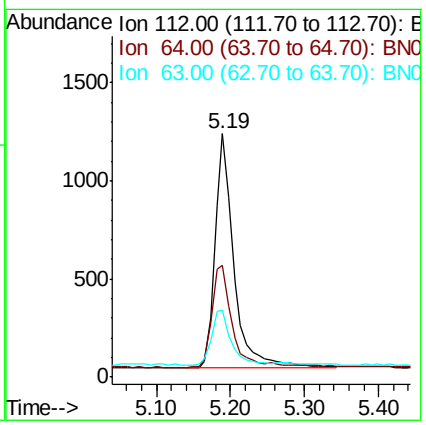


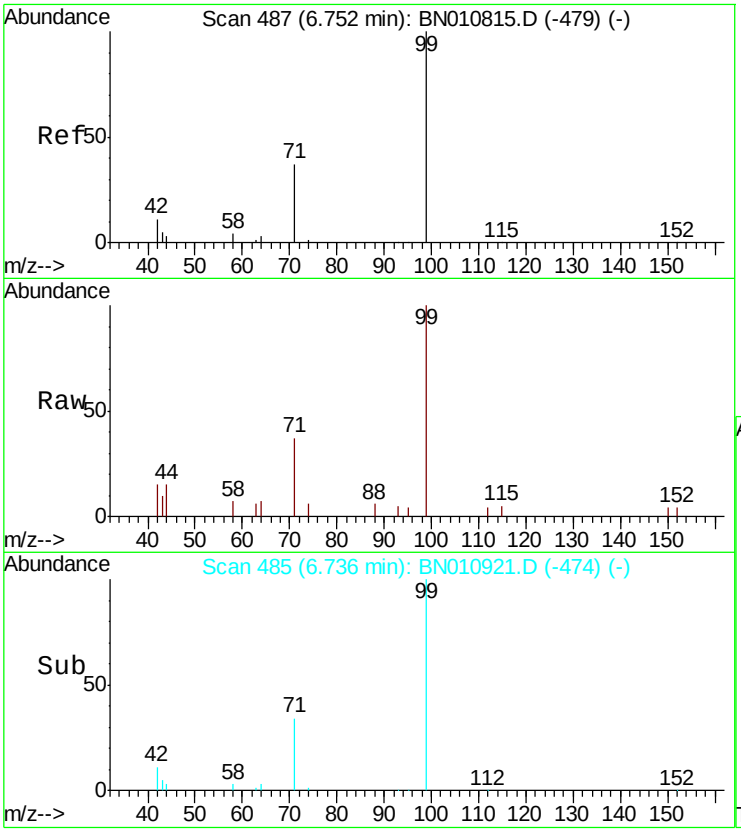


#4
2-Fluorophenol
Concen: 0.443 ng
RT: 5.19 min Scan# 293
Delta R.T. -0.01 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Tgt Ion:112 Resp: 2129

Ion	Ratio	Lower	Upper
112	100		
64	46.0	37.4	56.0
63	23.9	22.2	33.4



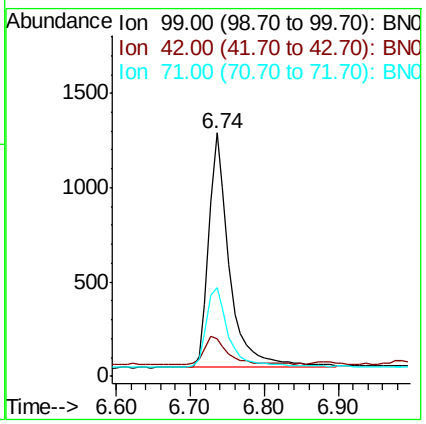


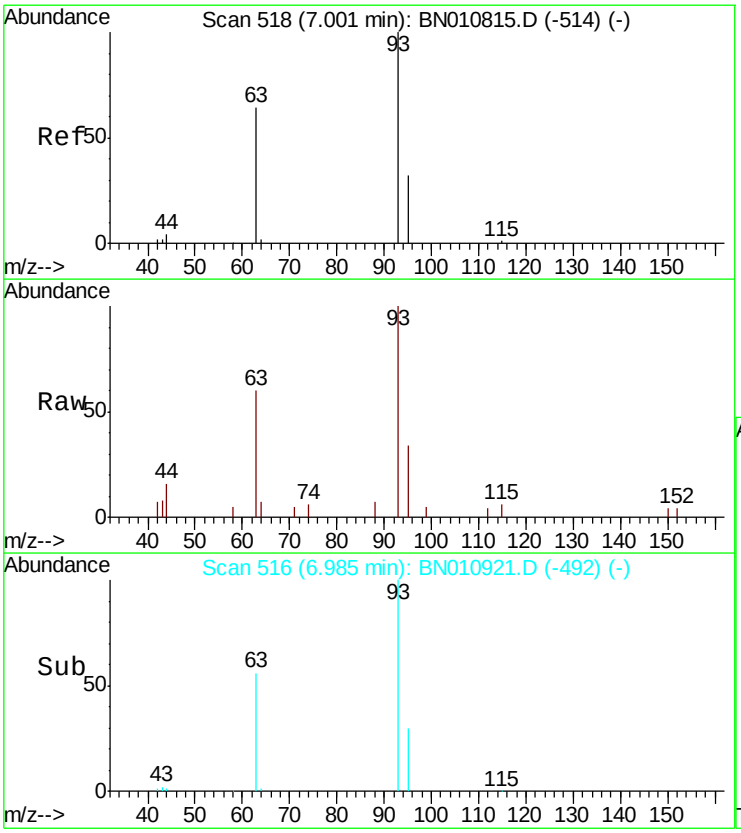
#5
Phenol-d6
Concen: 0.433 ng
RT: 6.74 min Scan# 485
Delta R.T. -0.01 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 2451

Ion	Ratio	Lower	Upper
99	100		
42	12.6	11.1	16.7
71	36.1	31.4	47.2

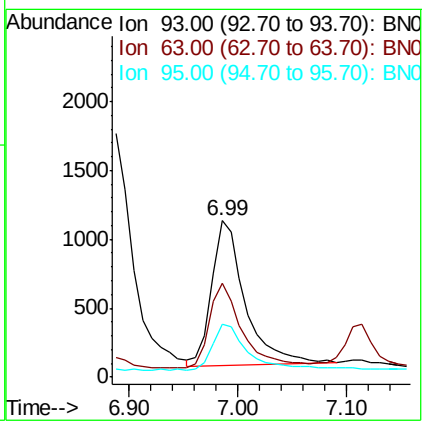


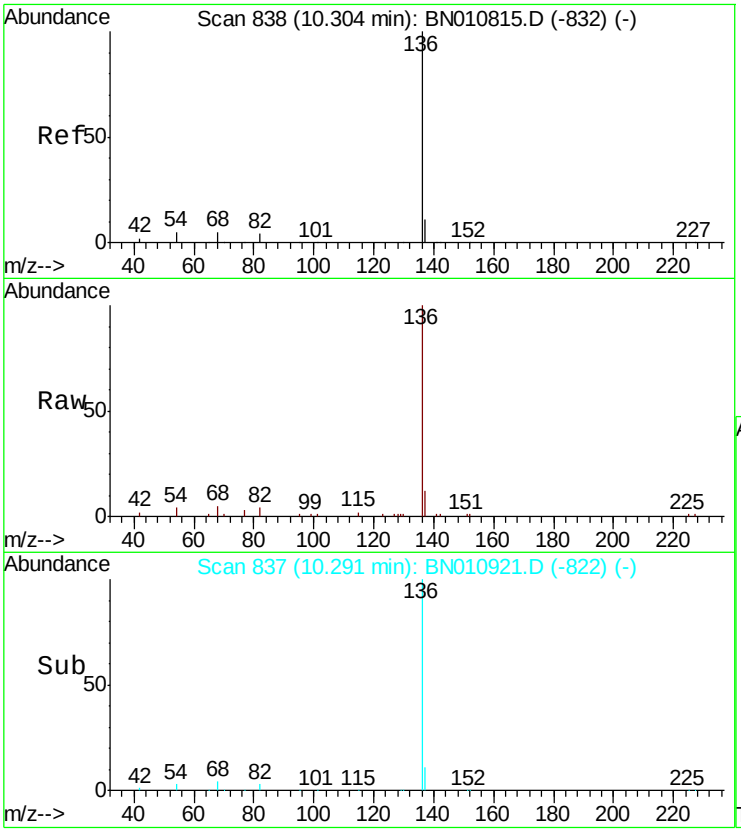


#6
bis(2-Chloroethyl)ether
Concen: 0.406 ng
RT: 6.99 min Scan# 516
Delta R.T. -0.01 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Tgt Ion: 93 Resp: 2242

Ion	Ratio	Lower	Upper
93	100		
63	58.8	49.4	74.2
95	35.4	26.7	40.1



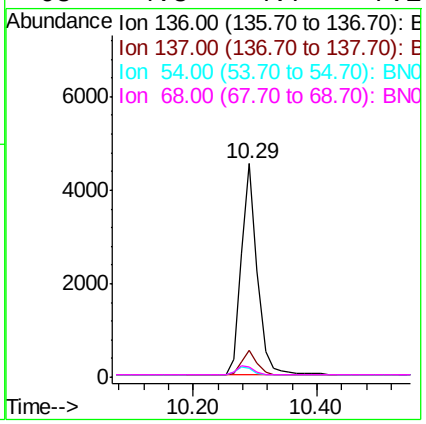


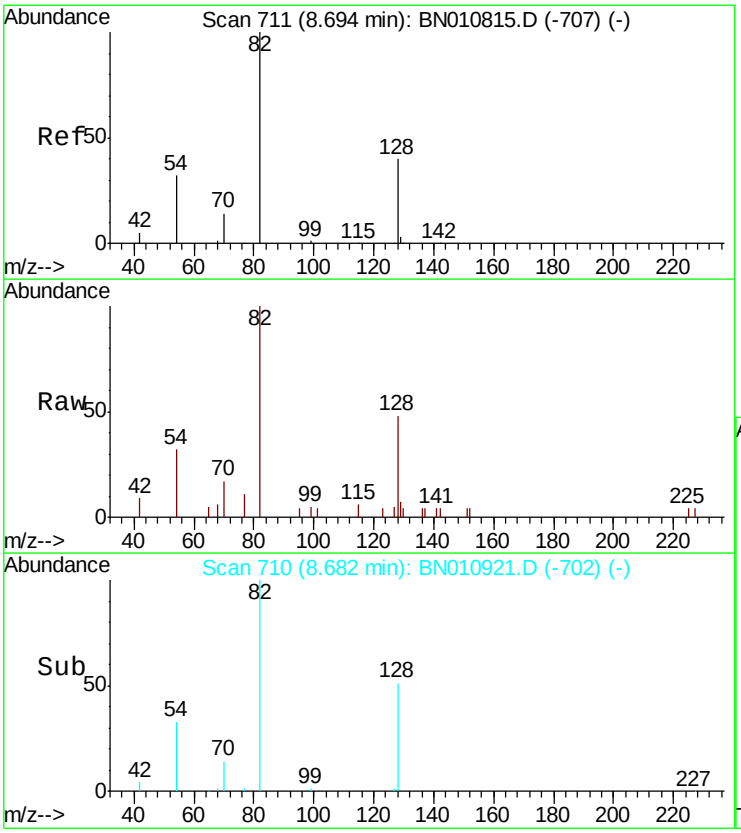
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.29 min Scan# 837
Delta R.T. -0.01 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 8103

Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.7	14.5
54	4.2	4.9	7.3#
68	4.8	4.7	7.1

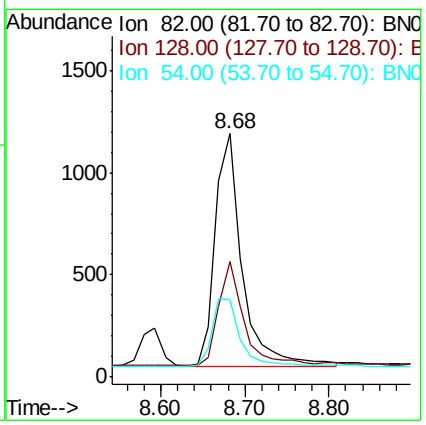


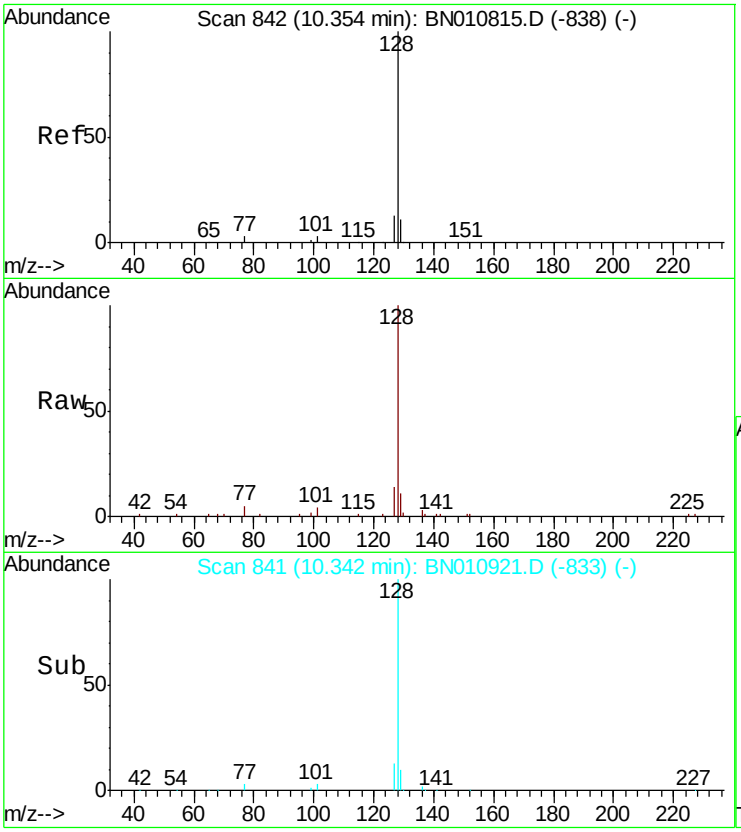


#8
Nitrobenzene-d5
Concen: 0.423 ng
RT: 8.68 min Scan# 710
Delta R.T. 0.00 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Tgt Ion: 82 Resp: 2539

Ion	Ratio	Lower	Upper
82	100		
128	47.5	35.4	53.0
54	31.7	28.2	42.4



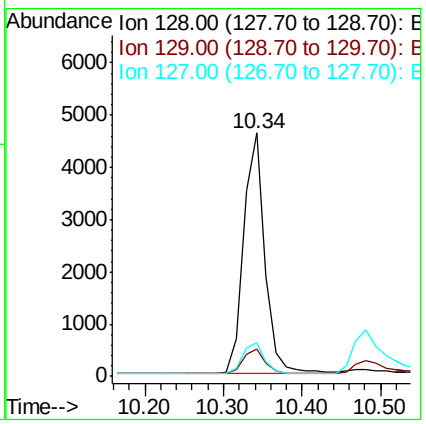


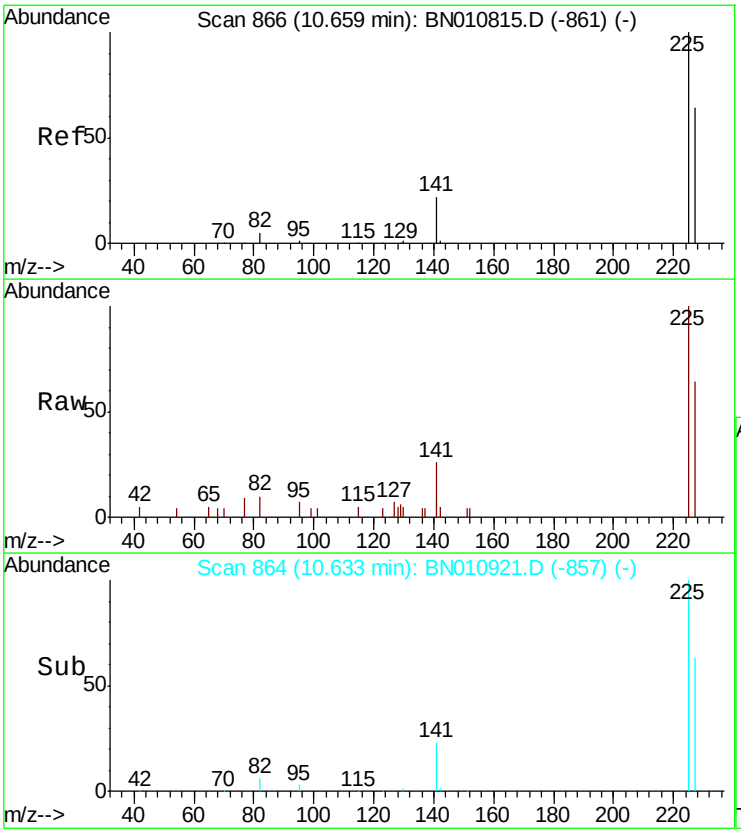
#9
Naphthalene
Concen: 0.428 ng
RT: 10.34 min Scan# 841
Delta R.T. 0.00 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 8714

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.6	14.4
127	13.9	11.4	17.2

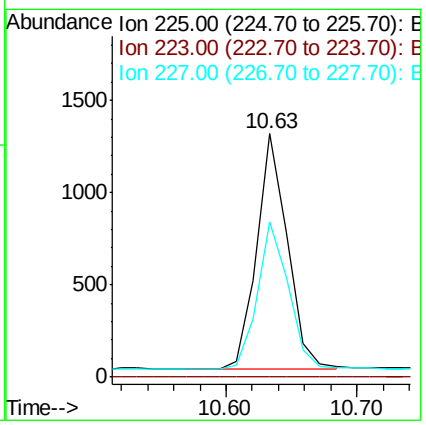


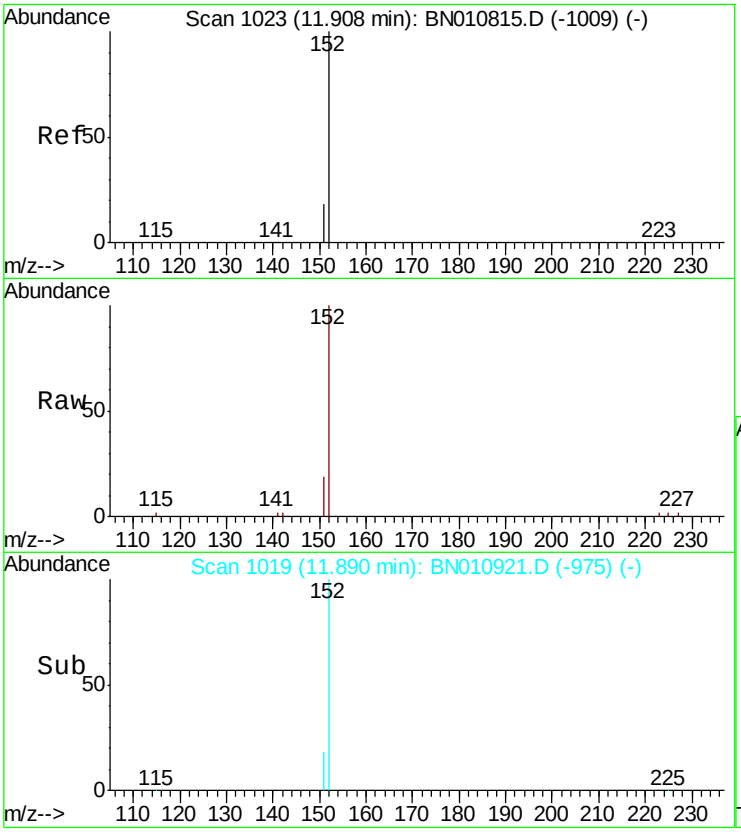


#10
Hexachlorobutadiene
Concen: 0.406 ng
RT: 10.63 min Scan# 864
Delta R.T. -0.01 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Tgt Ion:225 Resp: 2043

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.5	50.5	75.7



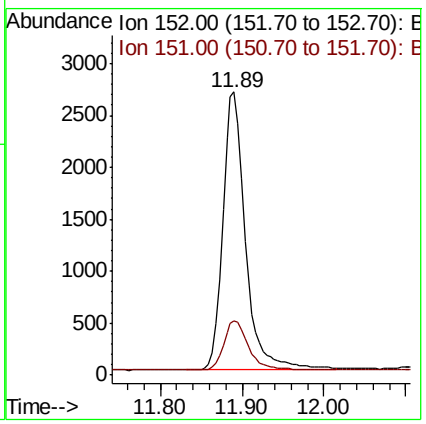


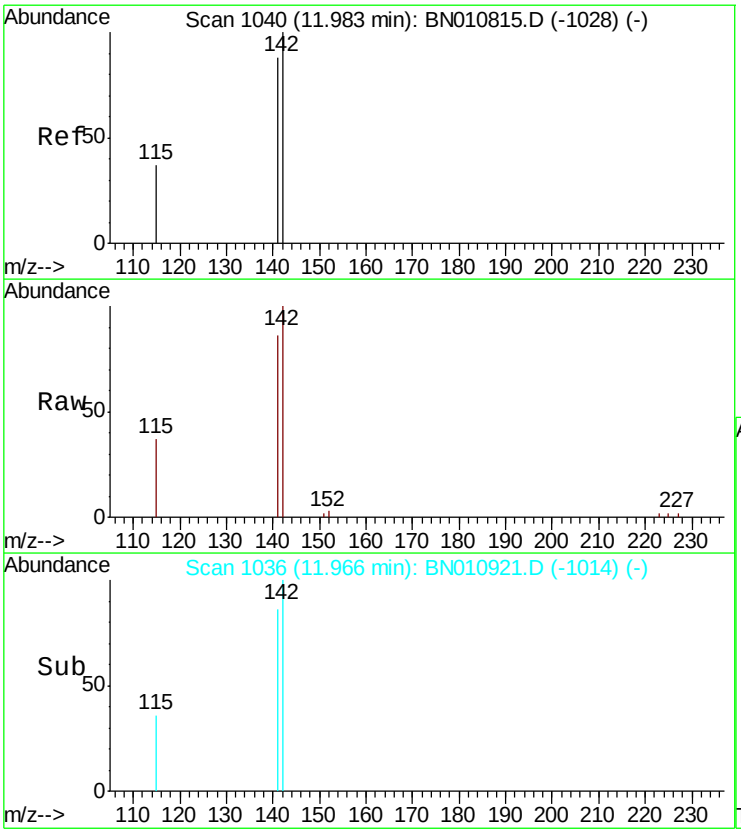
#11
2-Methylnaphthalene-d10
Concen: 0.411 ng
RT: 11.89 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 5168

Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.3	22.9

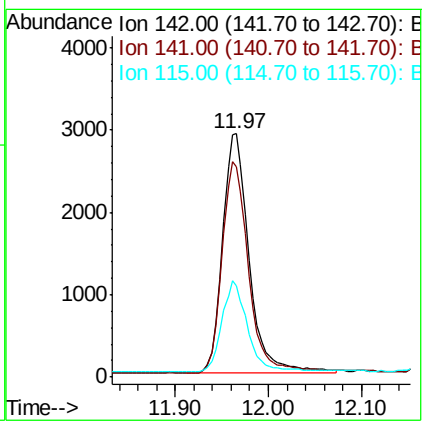


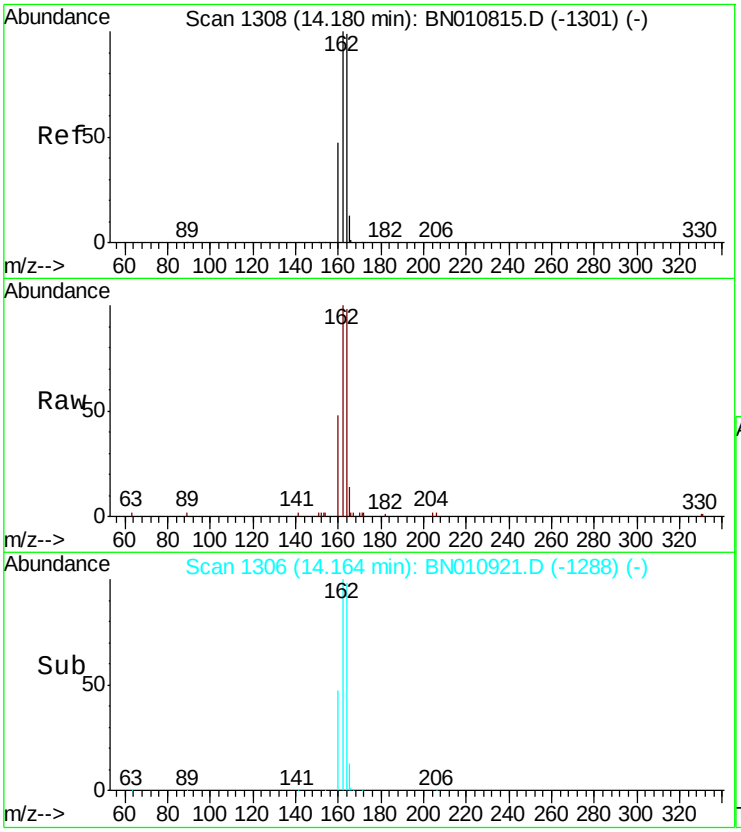


#12
2-Methylnaphthalene
Concen: 0.420 ng
RT: 11.97 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Tgt Ion:142 Resp: 5718

Ion	Ratio	Lower	Upper
142	100		
141	86.5	70.8	106.2
115	37.4	31.5	47.3



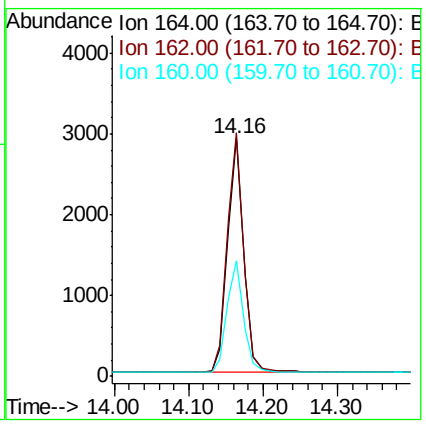


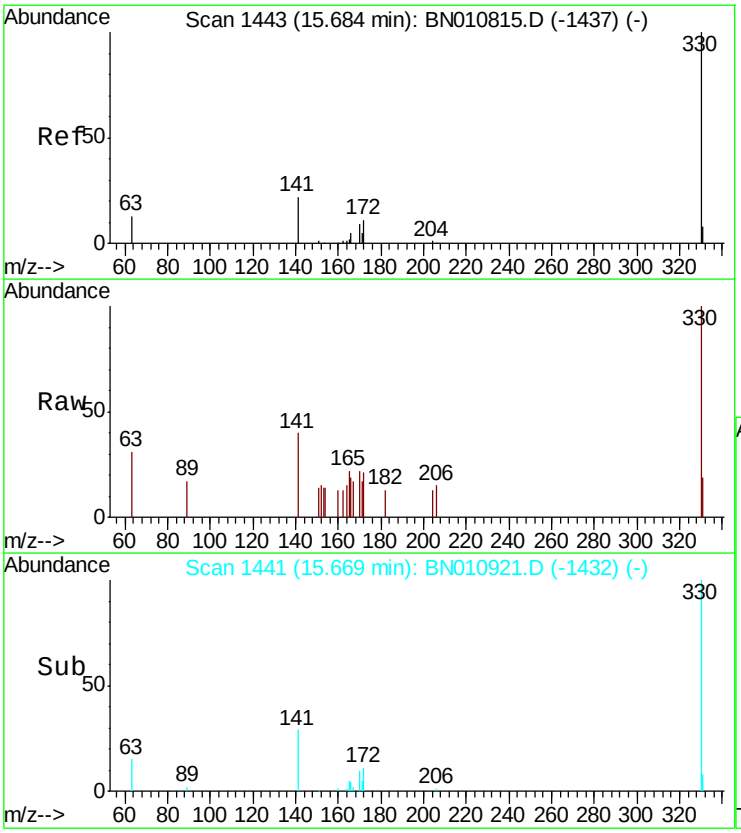
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.16 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 4389

Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.0	121.6
160	48.7	38.9	58.3

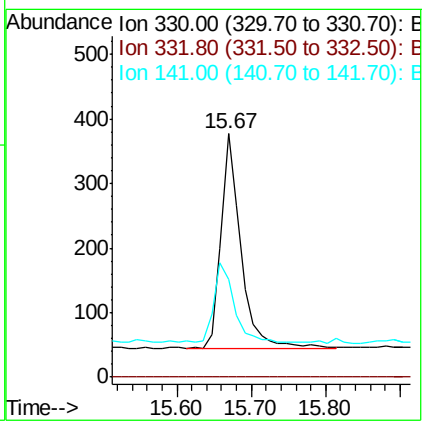


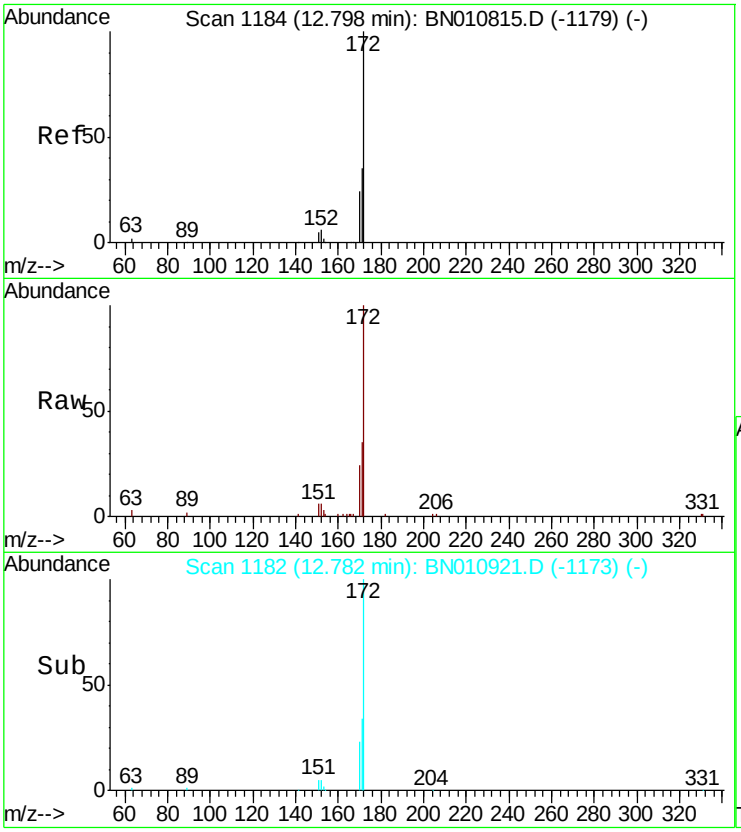


#14
2,4,6-Tribromophenol
Concen: 0.394 ng
RT: 15.67 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Tgt Ion:330 Resp: 618

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.2	33.2	49.8



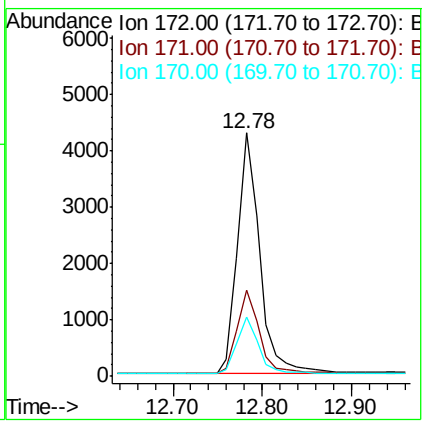


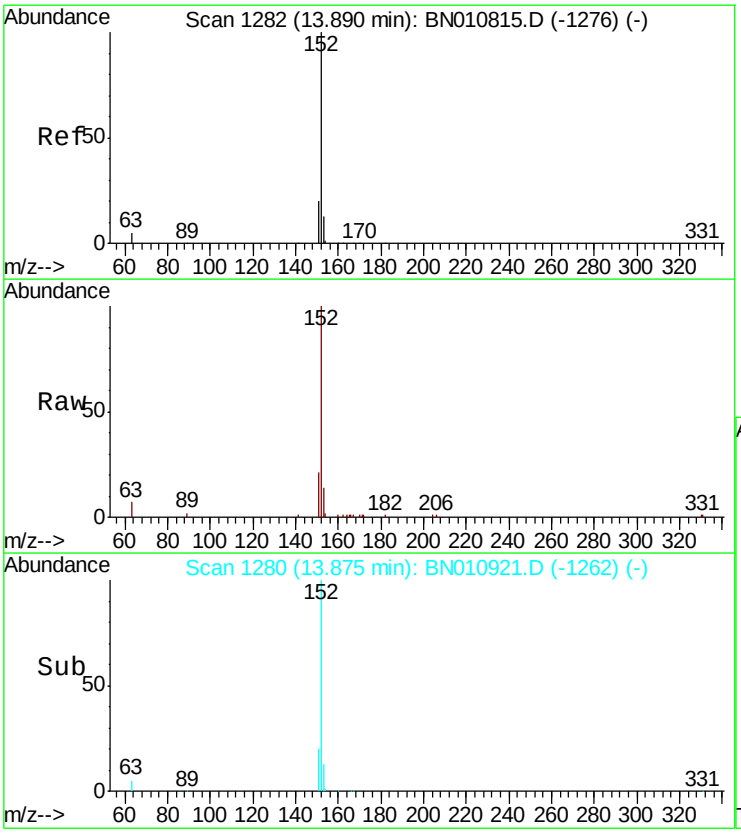
#15
2-Fluorobiphenyl
Concen: 0.430 ng
RT: 12.78 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 7452

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.5	42.7
170	24.3	19.7	29.5

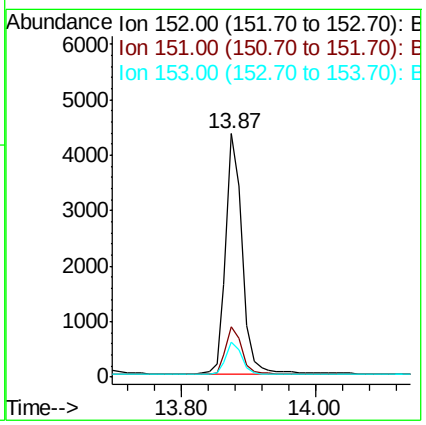


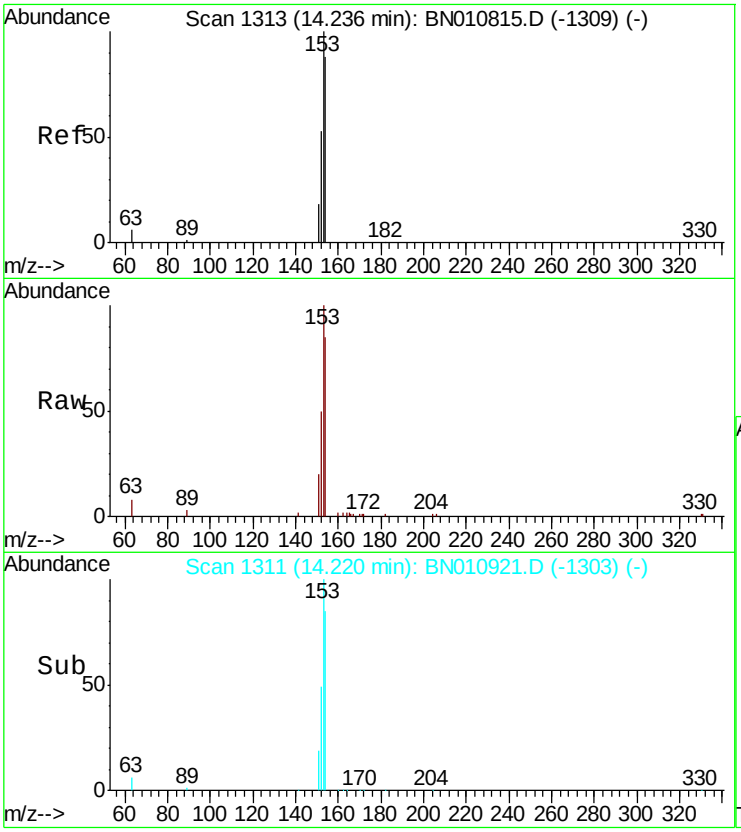


#16
Acenaphthylene
Concen: 0.415 ng
RT: 13.87 min Scan# 1280
Delta R.T. -0.00 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Tgt Ion:152 Resp: 7456

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.6	23.4
153	13.0	10.6	16.0



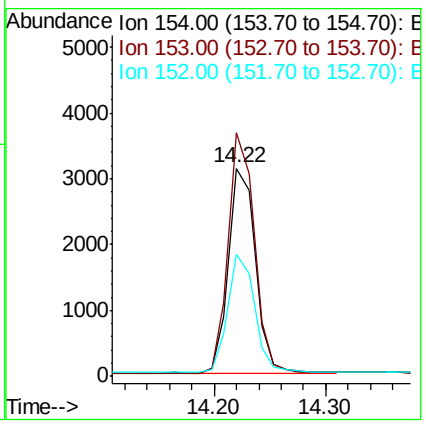


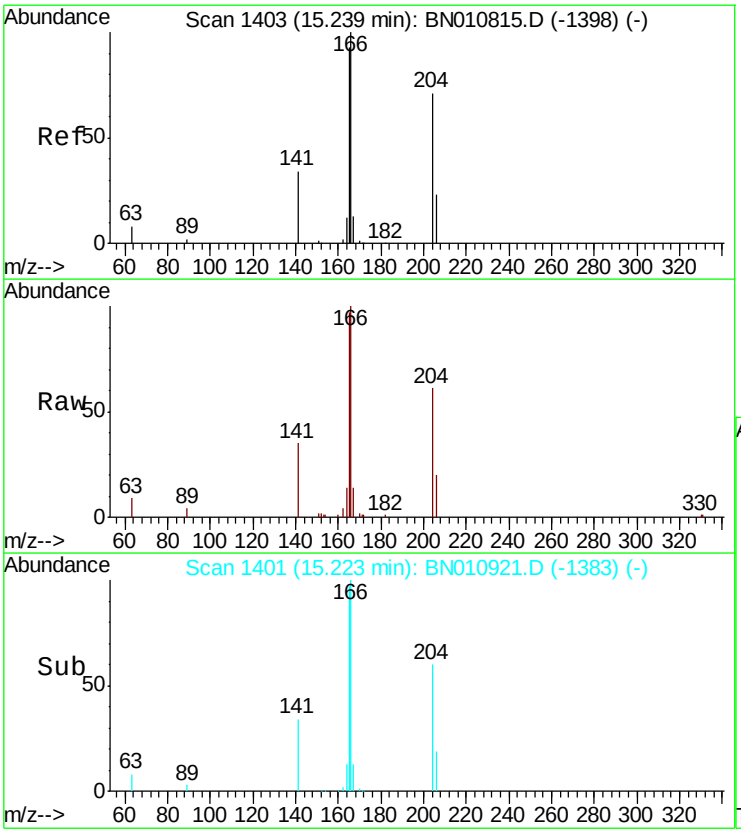
#17
Acenaphthene
Concen: 0.422 ng
RT: 14.22 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 5177

Ion	Ratio	Lower	Upper
154	100		
153	114.9	91.8	137.6
152	58.5	47.6	71.4

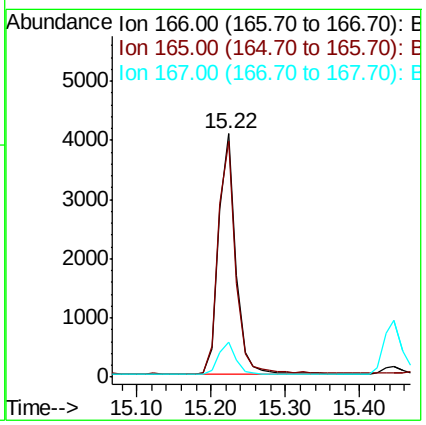


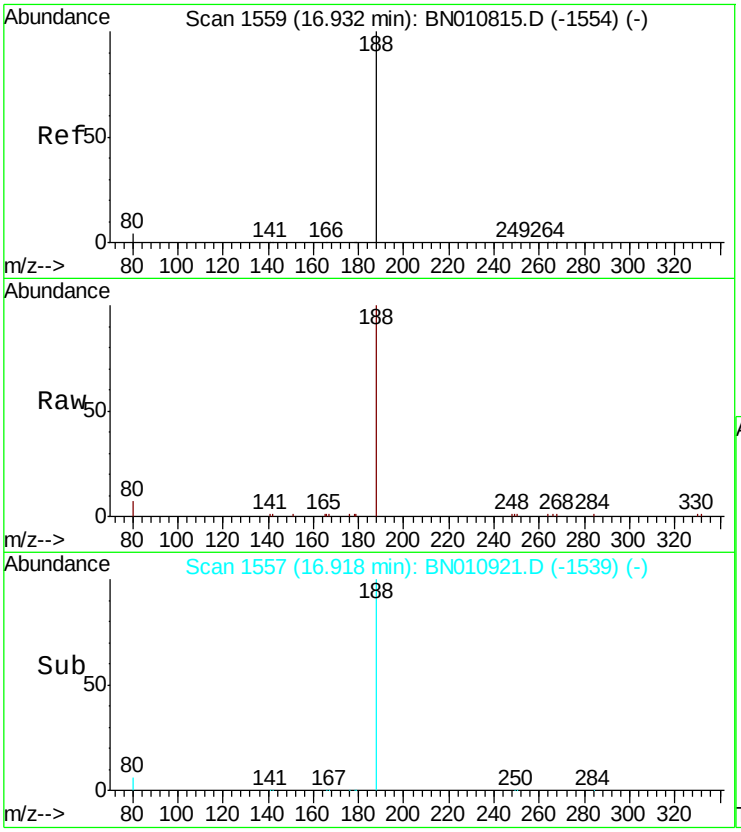


#18
Fluorene
Concen: 0.412 ng
RT: 15.22 min Scan# 1401
Delta R.T. -0.00 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Tgt Ion:166 Resp: 6516

Ion	Ratio	Lower	Upper
166	100		
165	98.7	77.2	115.8
167	13.5	10.7	16.1



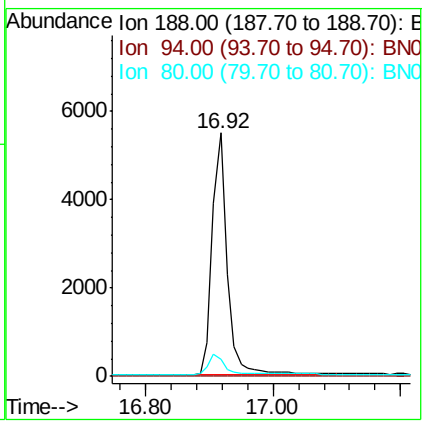


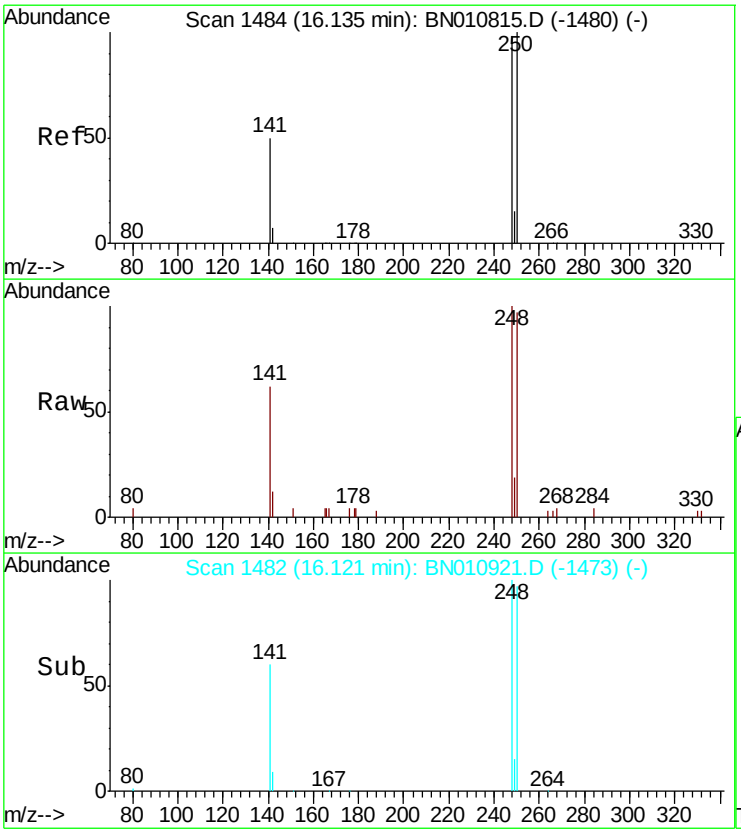
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.92 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 8829

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.9	4.5	6.7#

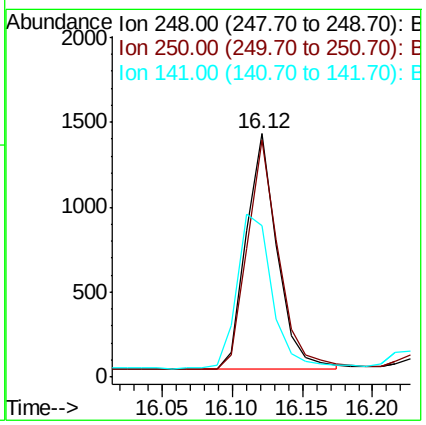


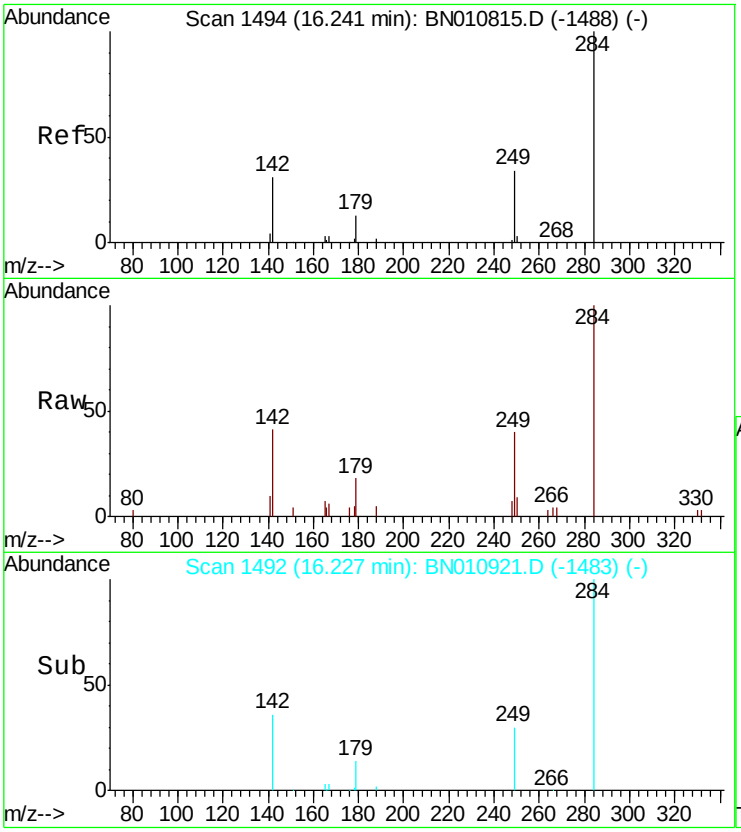


#20
4-Bromophenyl-phenylether
Concen: 0.406 ng
RT: 16.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Tgt Ion:248 Resp: 2154

Ion	Ratio	Lower	Upper
248	100		
250	97.3	81.8	122.8
141	62.2	42.6	64.0



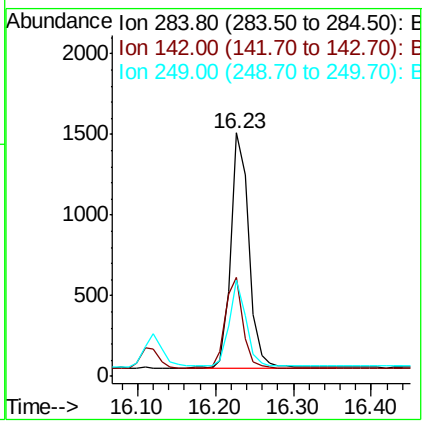


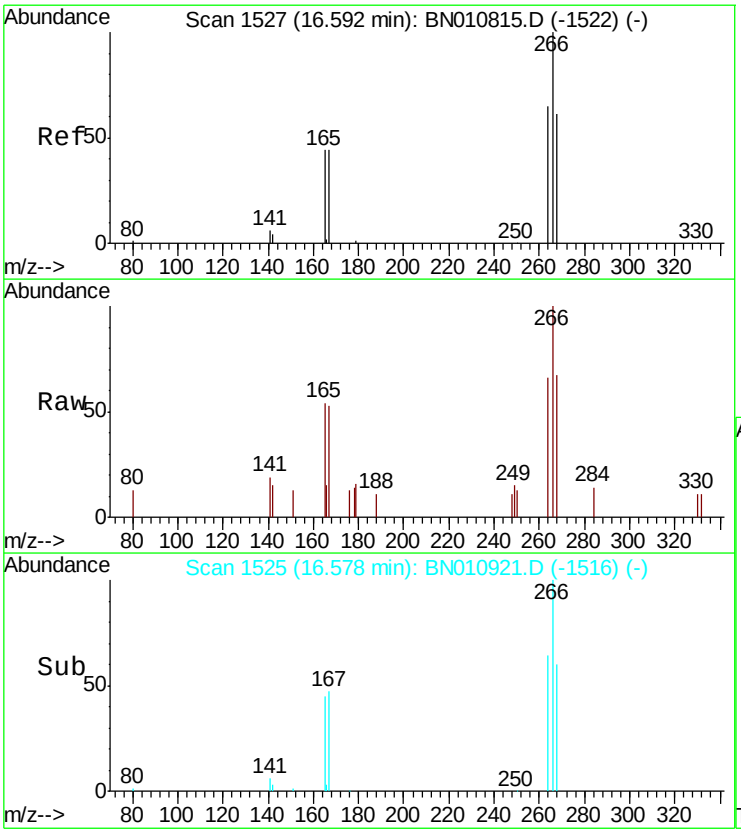
#21
Hexachlorobenzene
Concen: 0.423 ng
RT: 16.23 min Scan# 1492
Delta R.T. -0.00 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 2340

Ion	Ratio	Lower	Upper
284	100		
142	37.3	31.0	46.4
249	33.9	27.1	40.7

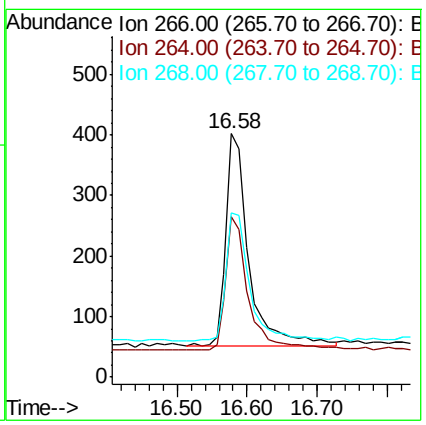


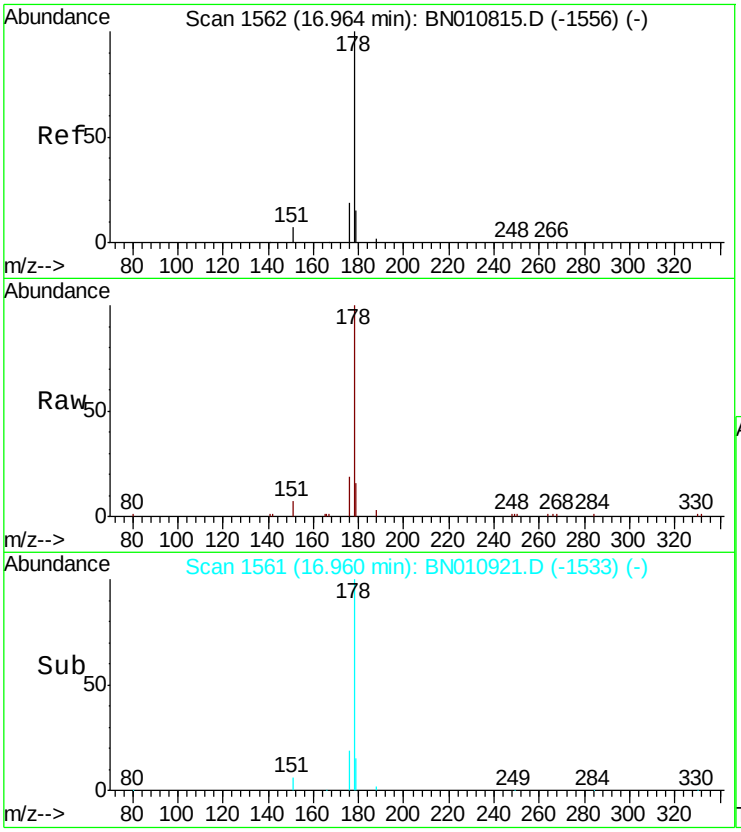


#22
Pentachlorophenol
Concen: 0.422 ng
RT: 16.58 min Scan# 1525
Delta R.T. -0.00 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Tgt Ion:266 Resp: 784

Ion	Ratio	Lower	Upper
266	100		
264	66.2	54.8	82.2
268	67.4	55.9	83.9



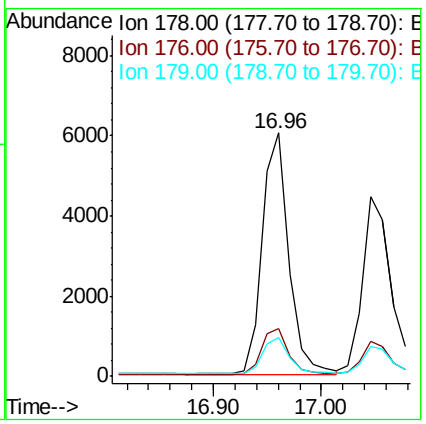


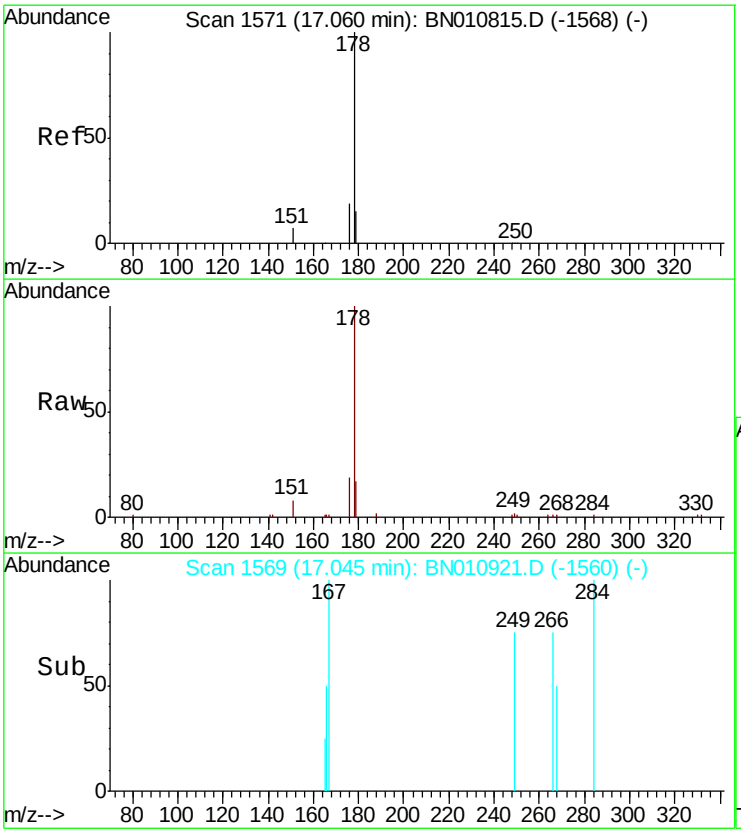
#23
Phenanthrene
Concen: 0.423 ng
RT: 16.96 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 10211

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.4	12.6	19.0

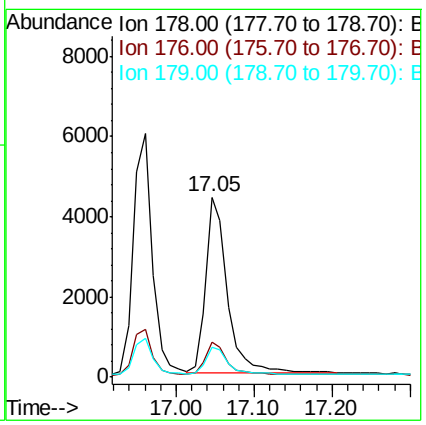


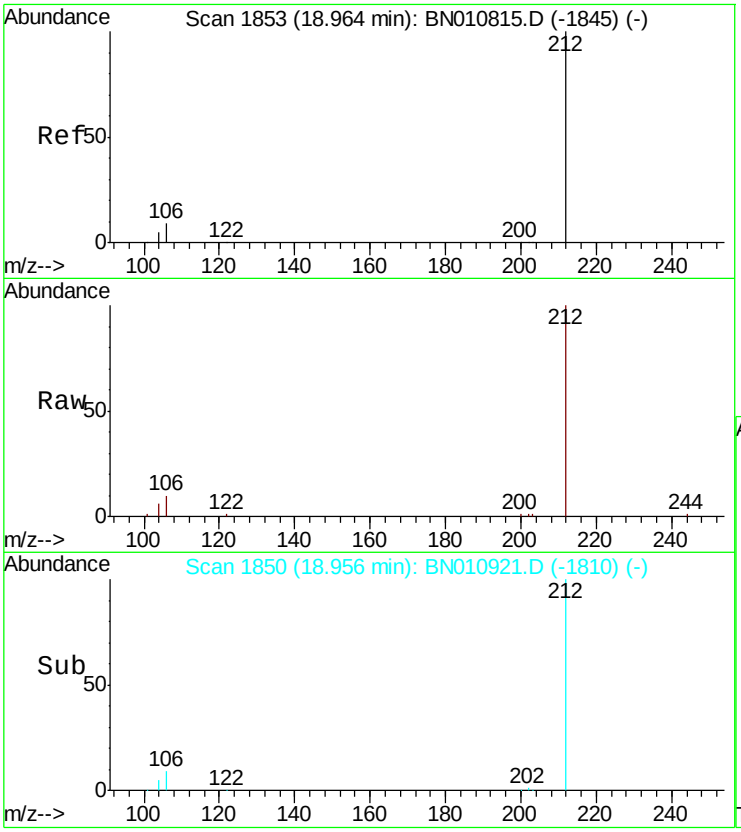


#24
Anthracene
Concen: 0.417 ng
RT: 17.05 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Tgt Ion:178 Resp: 8397

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.6	22.0
179	15.3	12.3	18.5



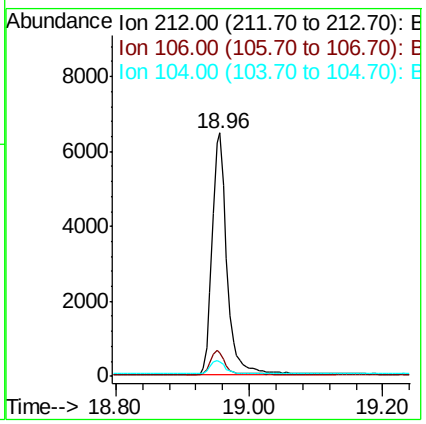


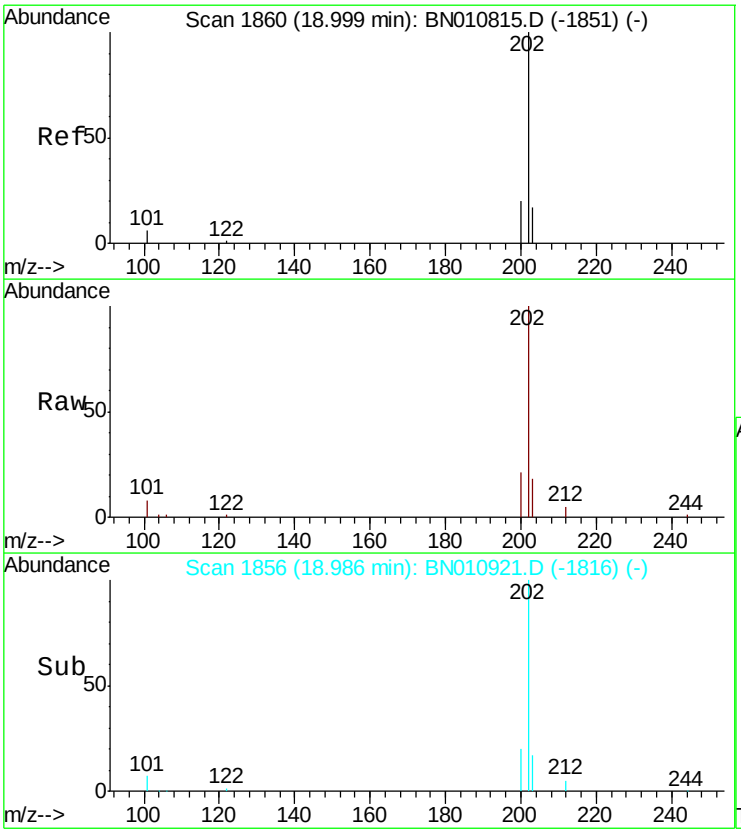
#25
Fluoranthene-d10
Concen: 0.409 ng
RT: 18.96 min Scan# 1850
Delta R.T. -0.00 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 9978

Ion	Ratio	Lower	Upper
212	100		
106	9.7	6.6	10.0
104	5.5	4.0	6.0

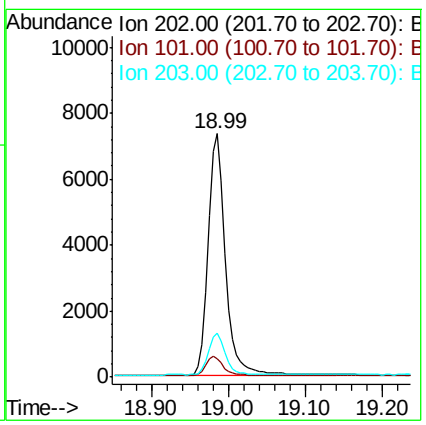


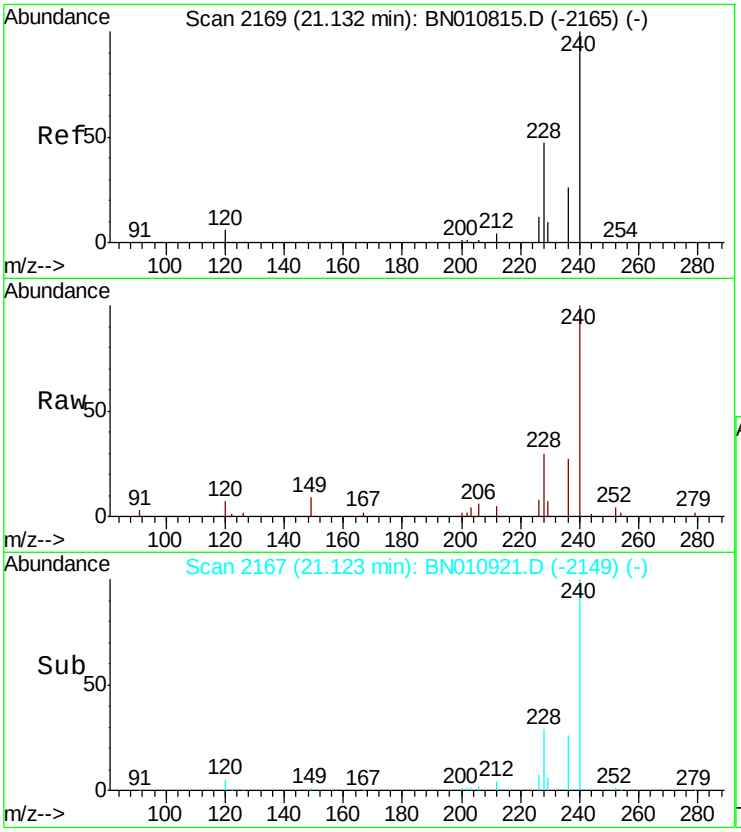


#26
Fluoranthene
Concen: 0.416 ng
RT: 18.99 min Scan# 1856
Delta R.T. -0.00 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Tgt Ion:202 Resp: 11394

Ion	Ratio	Lower	Upper
202	100		
101	8.2	5.8	8.6
203	17.0	13.7	20.5



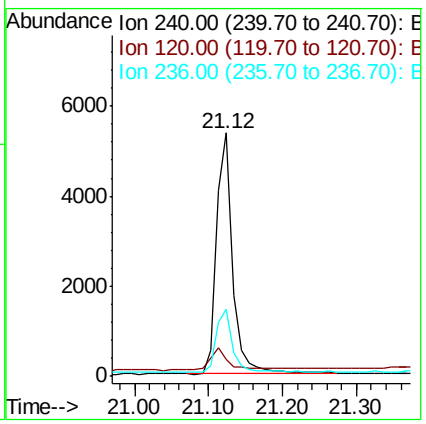


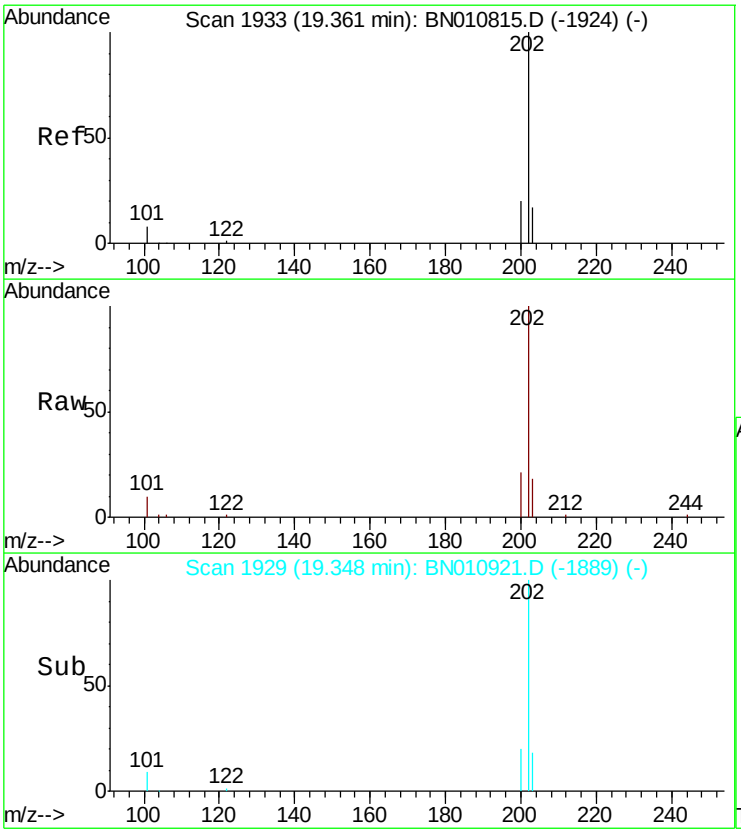
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.12 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 8345

Ion	Ratio	Lower	Upper
240	100		
120	7.2	7.5	11.3#
236	27.4	22.3	33.5

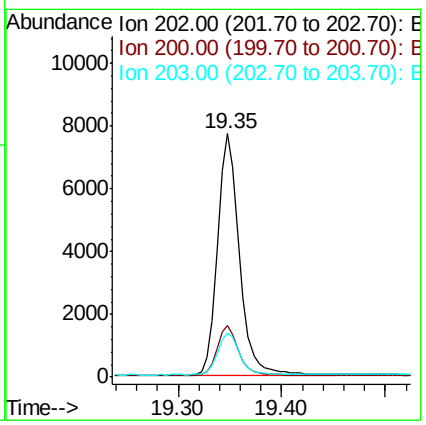


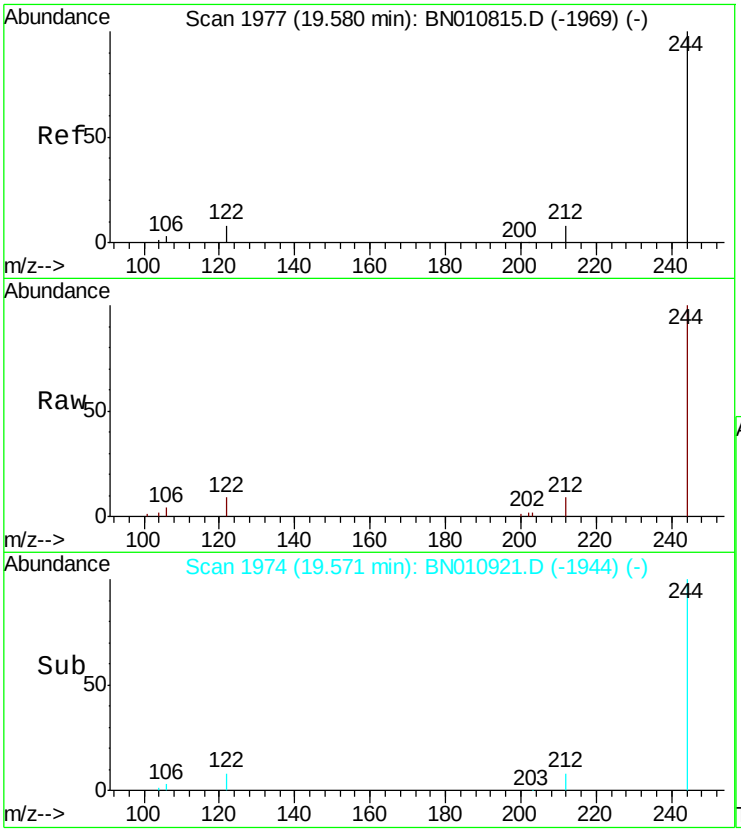


#28
Pyrene
Concen: 0.410 ng
RT: 19.35 min Scan# 1929
Delta R.T. -0.00 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Tgt Ion:202 Resp: 11327

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.4	24.6
203	17.6	14.2	21.4



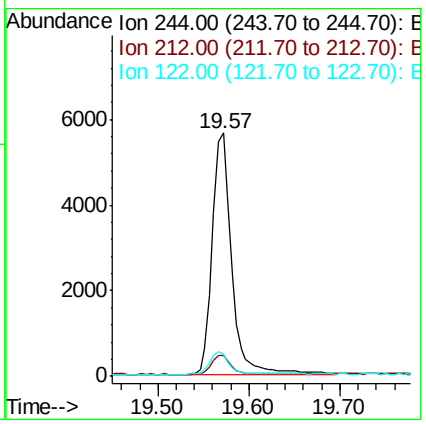


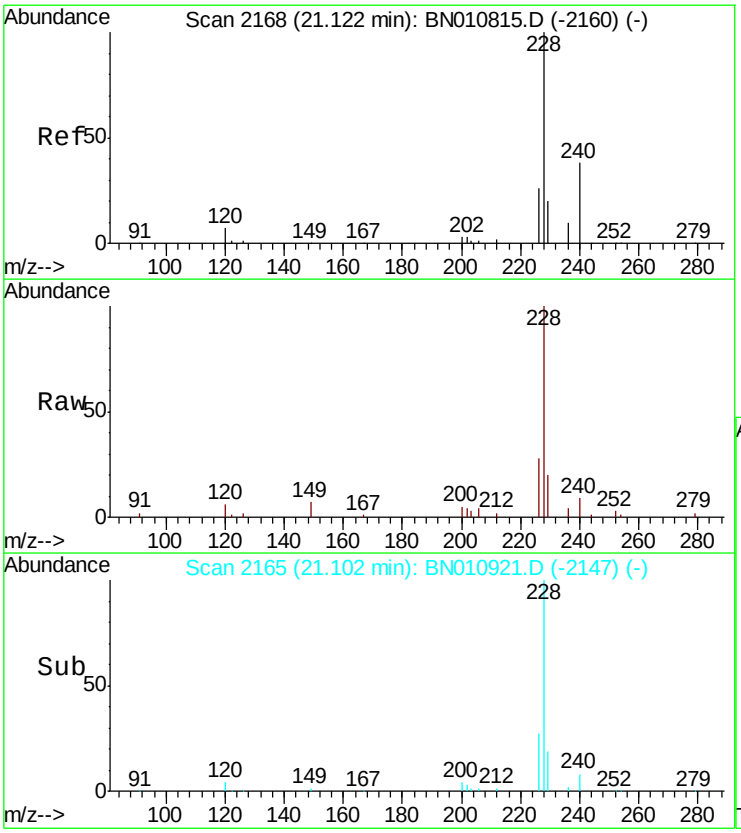
#29
Terphenyl-d14
Concen: 0.424 ng
RT: 19.57 min Scan# 1974
Delta R.T. -0.00 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 8276

Ion	Ratio	Lower	Upper
244	100		
212	8.6	7.4	11.2
122	9.3	7.5	11.3

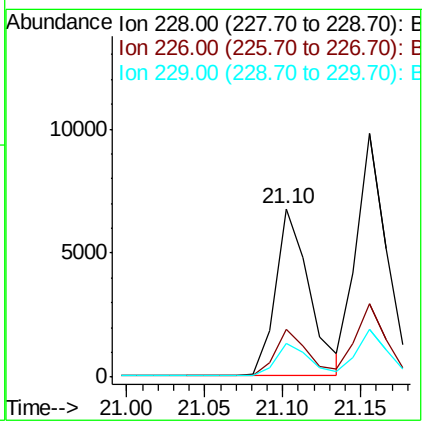


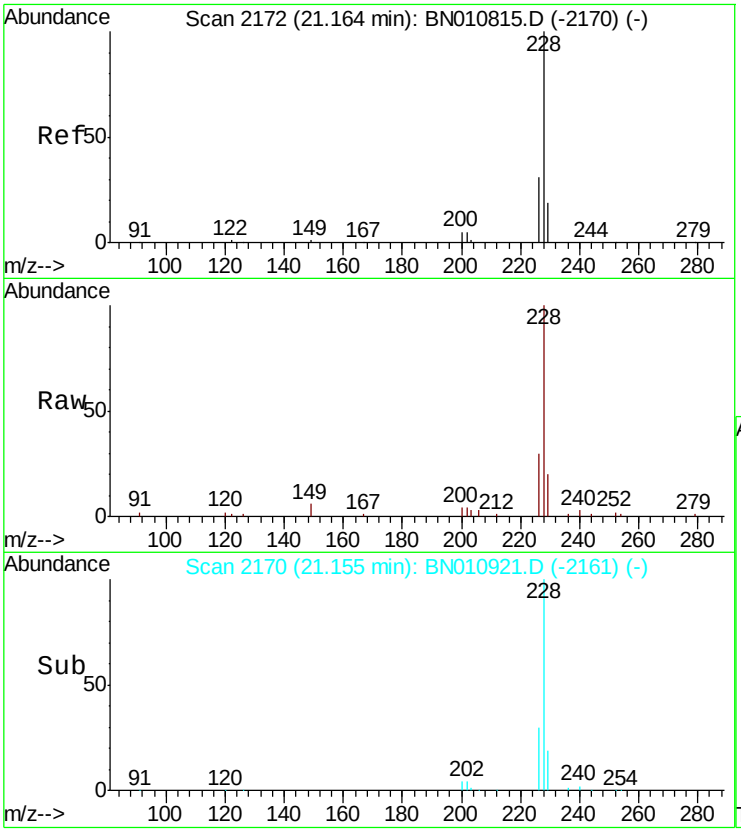


#30
Benzo(a)anthracene
Concen: 0.413 ng
RT: 21.10 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Tgt Ion:228 Resp: 10121

Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.3	31.9
229	19.7	16.6	24.8



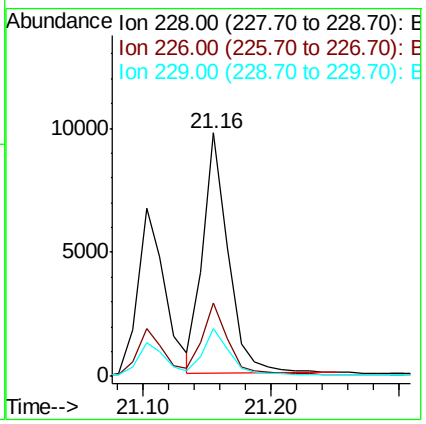


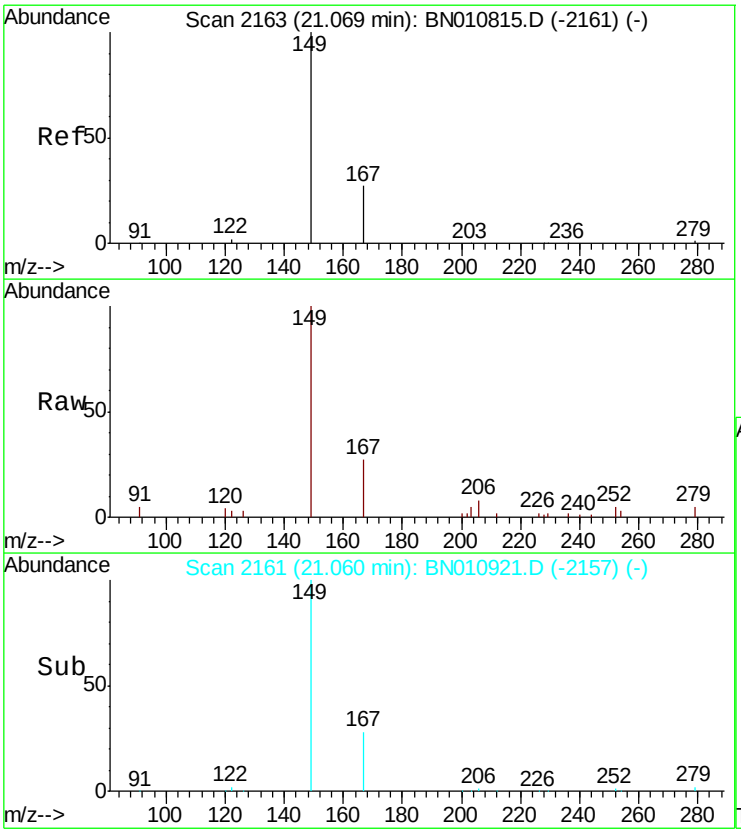
#31
Chrysene
Concen: 0.464 ng
RT: 21.16 min Scan# 2170
Delta R.T. -0.01 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 13271

Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	19.9	16.1	24.1

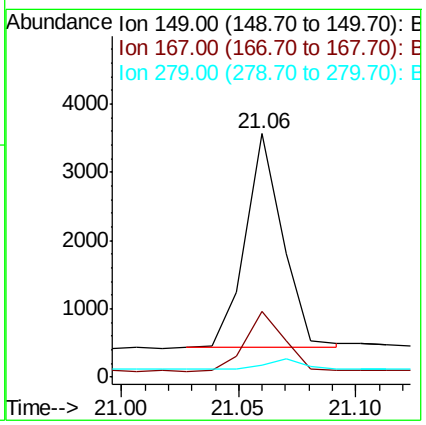


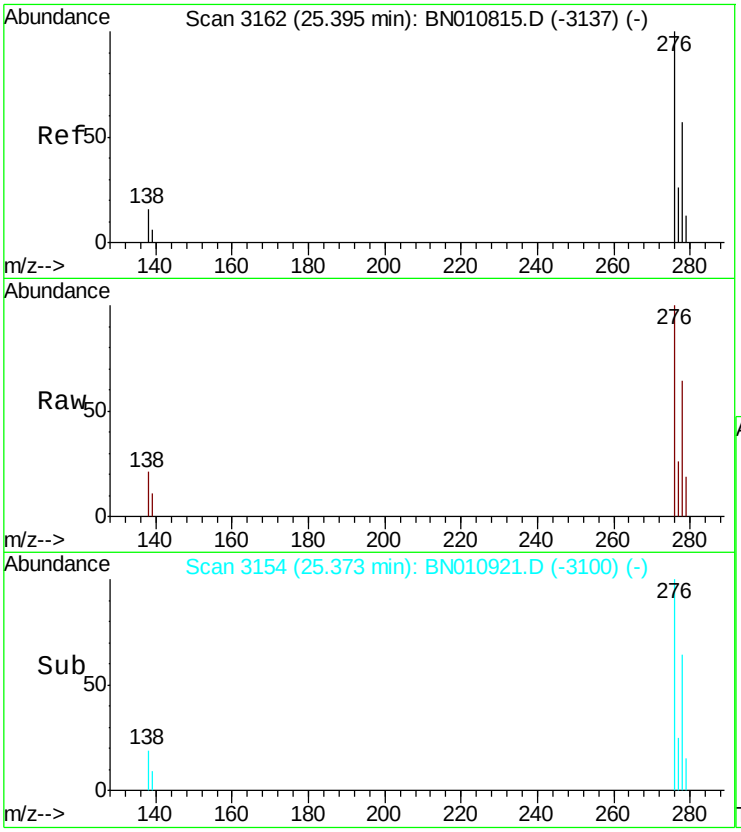


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.428 ng
RT: 21.06 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Tgt Ion:149 Resp: 3497

Ion	Ratio	Lower	Upper
149	100		
167	28.9	24.1	36.1
279	5.0	4.6	7.0



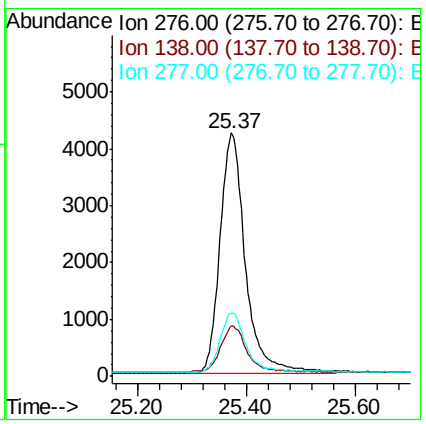


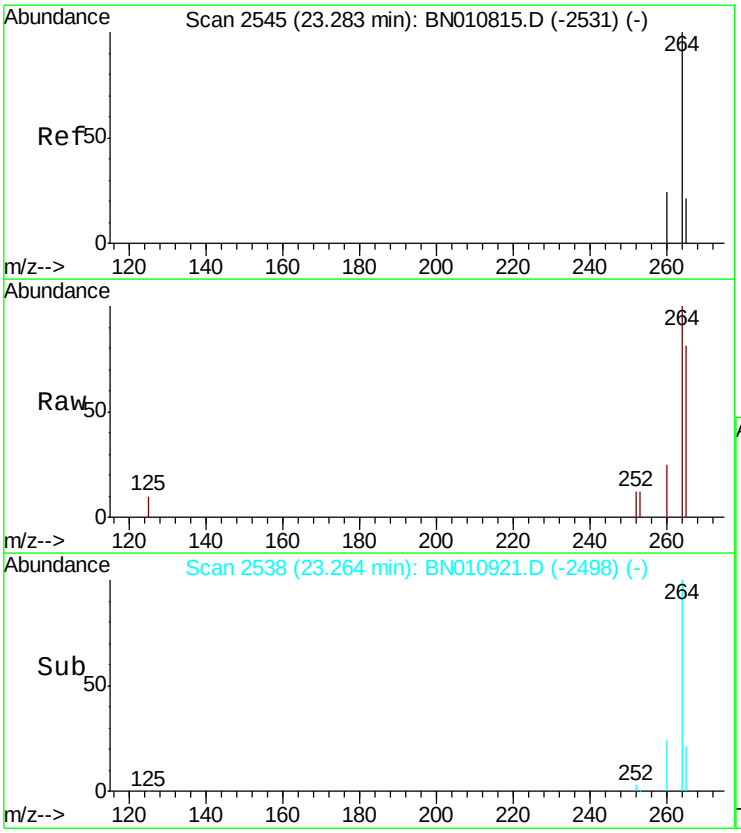
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.431 ng
RT: 25.37 min Scan# 3154
Delta R.T. -0.02 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 13768

Ion	Ratio	Lower	Upper
276	100		
138	20.2	13.0	19.6#
277	24.7	19.7	29.5

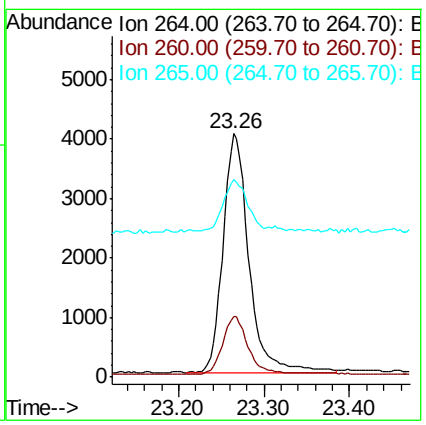


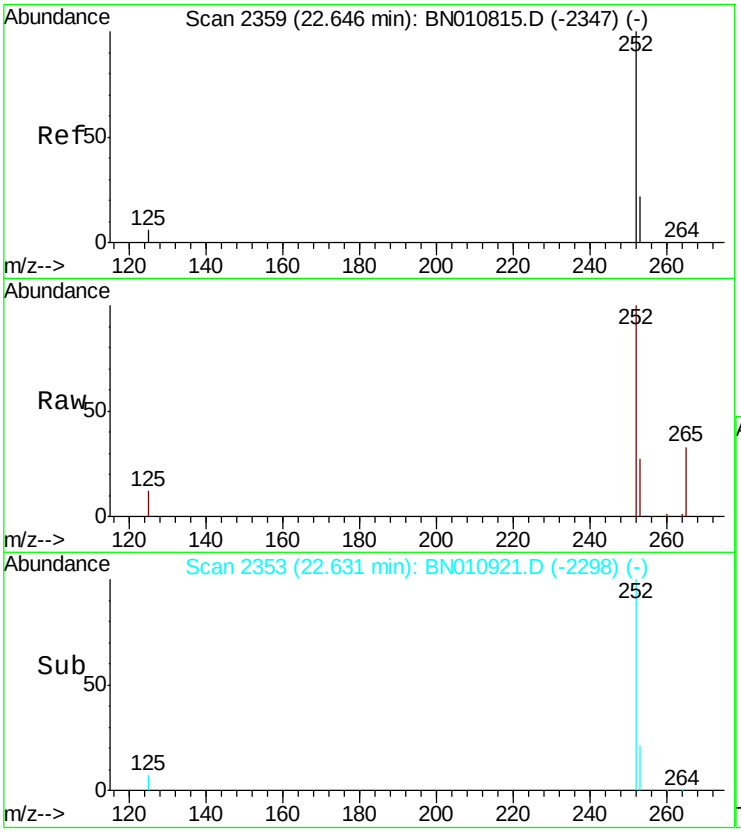


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.26 min Scan# 2538
Delta R.T. -0.01 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Tgt Ion:264 Resp: 8434

Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.4	30.6
265	81.1	75.0	112.4



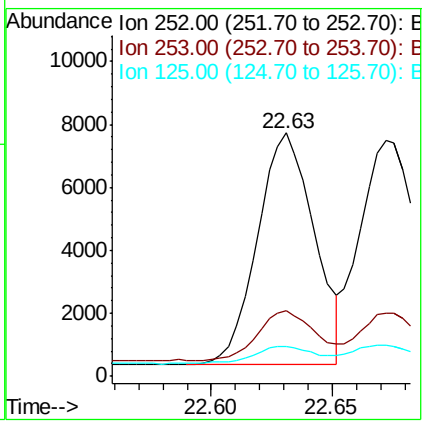


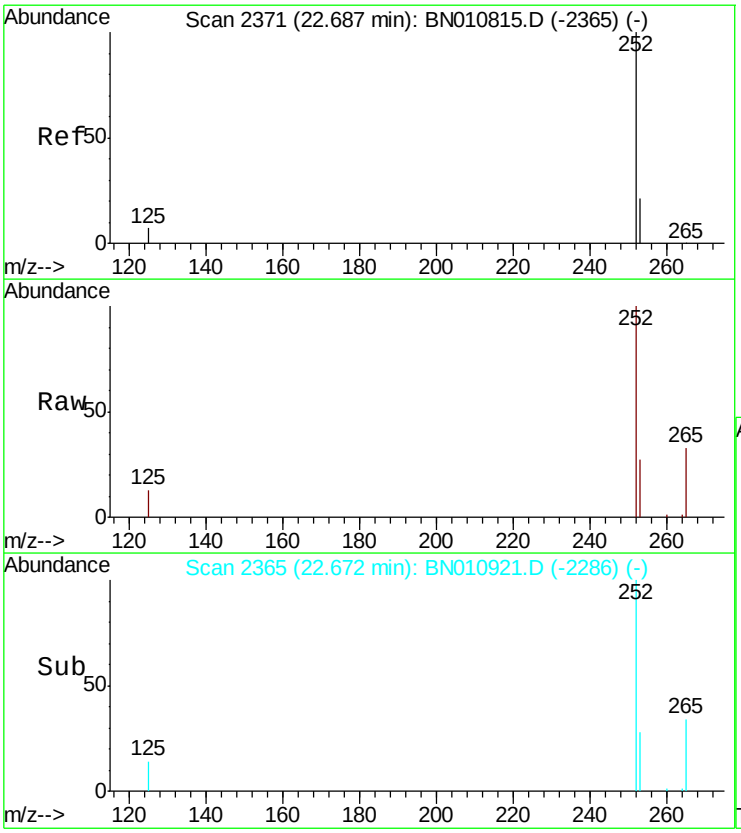
#35
Benzo(b)fluoranthene
Concen: 0.420 ng
RT: 22.63 min Scan# 2353
Delta R.T. -0.01 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 12041

Ion	Ratio	Lower	Upper
252	100		
253	26.9	22.4	33.6
125	12.3	9.4	14.0

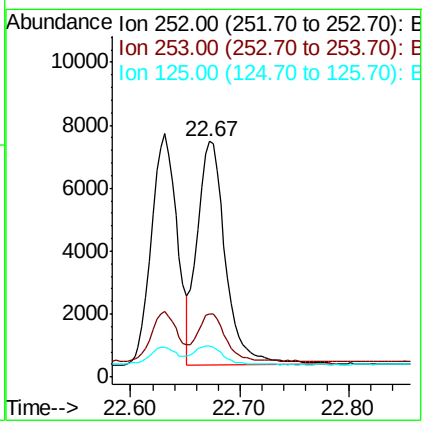


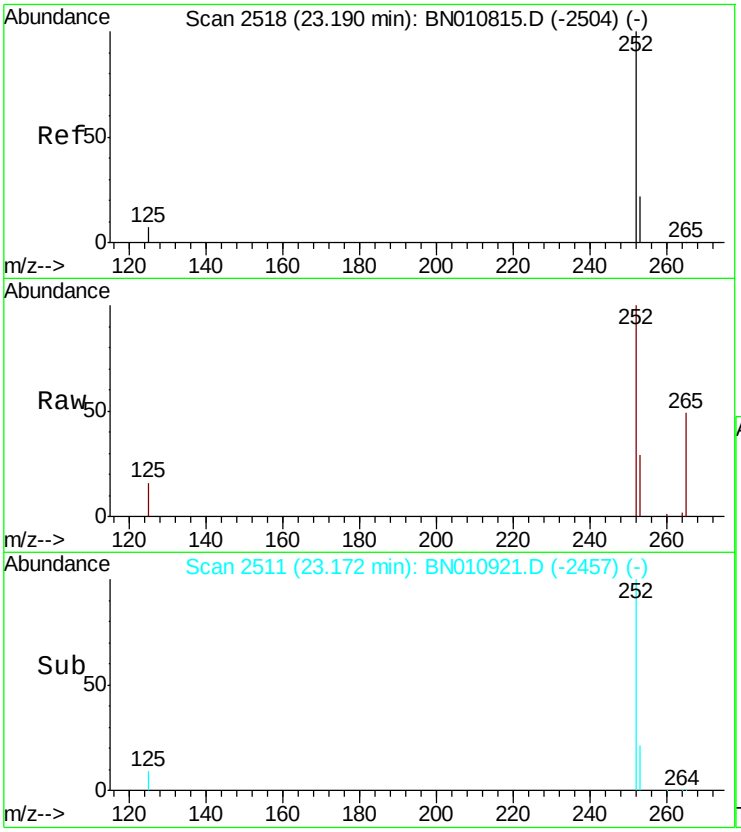


#36
Benzo(k)fluoranthene
Concen: 0.416 ng
RT: 22.67 min Scan# 2365
Delta R.T. -0.01 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Tgt Ion:252 Resp: 12704

Ion	Ratio	Lower	Upper
252	100		
253	27.0	22.2	33.4
125	13.5	9.8	14.8



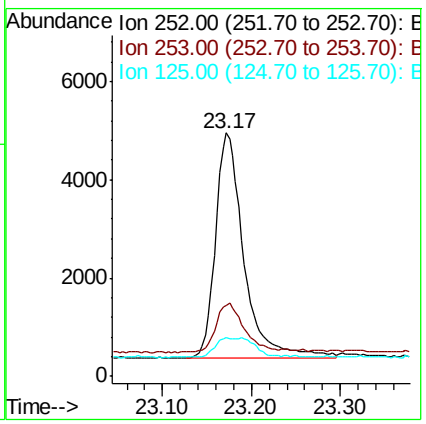


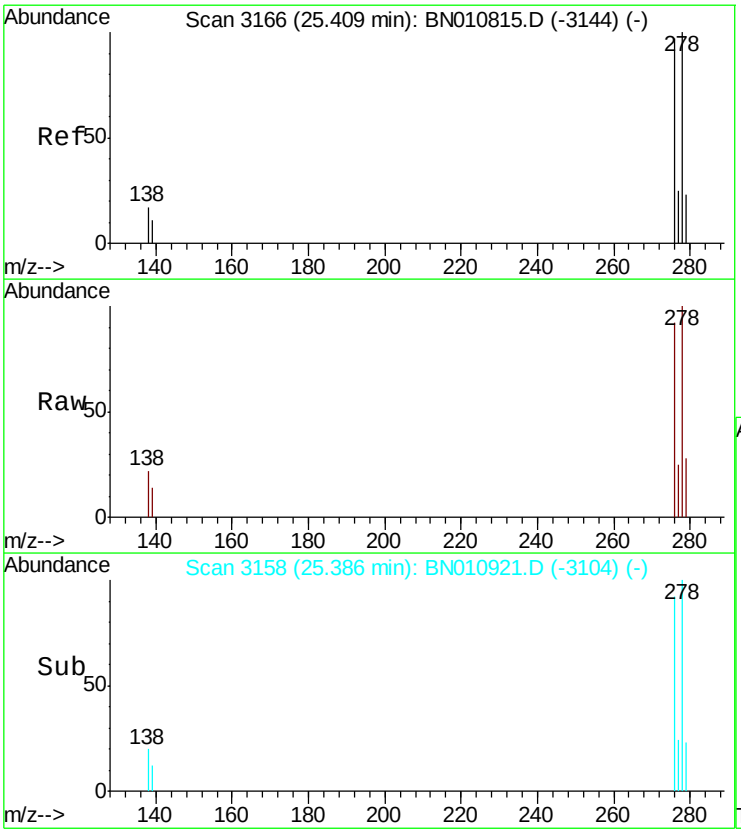
#37
Benzo(a)pyrene
Concen: 0.414 ng
RT: 23.17 min Scan# 2511
Delta R.T. -0.02 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 10188

Ion	Ratio	Lower	Upper
252	100		
253	29.1	25.8	38.8
125	16.0	12.4	18.6

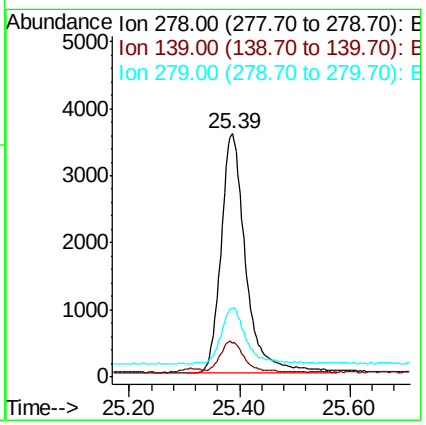


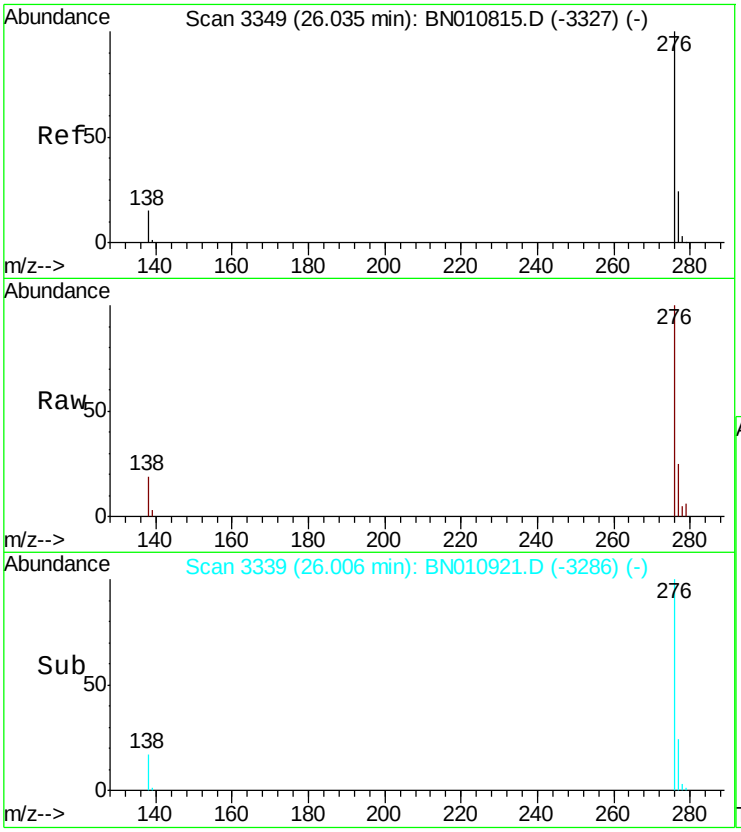


#38
Dibenzo(a,h)anthracene
Concen: 0.396 ng
RT: 25.39 min Scan# 3158
Delta R.T. -0.02 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Tgt Ion:278 Resp: 11104

Ion	Ratio	Lower	Upper
278	100		
139	13.9	10.6	15.8
279	27.8	23.6	35.4





#39
Benzo(g,h,i)perylene
Concen: 0.397 ng
RT: 26.01 min Scan# 3339
Delta R.T. -0.02 min
Lab File: BN010921.D
Acq: 17 Jun 2020 00:55

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 11641

Ion	Ratio	Lower	Upper
276	100		
277	25.3	20.5	30.7
138	18.5	13.7	20.5