Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060620\
Data File : BN010793.D
Acq On : 05 Jun 2020 22:55
Operator : CG/JU
Sample : PB129300BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB129300BS

Quant Time: Jun 06 01:26:48 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN060620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 05 22:48:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	2386	0.40	ng		0.00
7) Naphthalene-d8	10.32	136	8079	0.40	ng		0.00
13) Acenaphthene-d10	14.18	164	4188	0.40	ng		0.00
19) Phenanthrene-d10	16.93	188	8342	0.40	ng		0.00
27) Chrysene-d12	21.14	240	6984	0.40	ng		0.00
34) Perylene-d12	23.29	264	6831	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.21	112	1773	0.37	ng		0.00
5) Phenol-d6	6.75	99	2044	0.36	ng		0.00
8) Nitrobenzene-d5	8.69	82	2229	0.38	ng		0.00
11) 2-Methylnaphthalene-d10	11.91	152	6241	0.51	ng		0.00
14) 2,4,6-Tribromophenol	15.68	330	475	0.32	ng		0.00
15) 2-Fluorobiphenyl	12.80	172	6488	0.40	ng		-0.01
25) Fluoranthene-d10	18.97	212	7883	0.34	ng		0.00
29) Terphenyl-d14	19.58	244	6140	0.39	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.23	88	926	0.392	ng	#	76
3) n-Nitrosodimethylamine	3.55	42	734	0.534	ng	#	44
6) bis(2-Chloroethyl)ether	7.00	93	2948	0.550	ng		98
9) Naphthalene	10.35	128	10391	0.516	ng		100
10) Hexachlorobutadiene	10.66	225	2403	0.489	ng	#	100
12) 2-Methylnaphthalene	11.98	142	6908	0.518	ng		98
16) Acenaphthylene	13.90	152	8611	0.507	ng		99
17) Acenaphthene	14.25	154	5874	0.511	ng		100
18) Fluorene	15.24	166	7434	0.498	ng		99
20) 4-Bromophenyl-phenylether	16.14	248	2319	0.477	ng		98
21) Hexachlorobenzene	16.25	284	2633	0.513	ng		99
22) Pentachlorophenol	16.59	266	1548	0.885	ng		96
23) Phenanthrene	16.98	178	11220	0.498	ng		100
24) Anthracene	17.07	178	9264	0.485	ng		99
26) Fluoranthene	19.00	202	12082	0.463	ng		100
28) Pyrene	19.37	202	12041	0.544	ng		100
30) Benzo(a)anthracene	21.12	228	10471	0.511	ng		100
31) Chrysene	21.17	228	11642	0.500	ng		99
32) Bis(2-ethylhexyl)phthalate	21.08	149	3323	0.491	ng		99
33) Indeno(1,2,3-cd)pyrene	25.41	276	14954	0.534	ng		99
35) Benzo(b)fluoranthene	22.65	252	11854	0.533	ng		99
36) Benzo(k)fluoranthene	22.70	252	11931	0.487	ng		99
37) Benzo(a)pyrene	23.20	252	10330	0.520	ng	#	86
38) Dibenzo(a,h)anthracene	25.43	278	12640	0.565	ng		100
39) Benzo(g,h,i)perylene	26.05	276	13731	0.594	ng		99

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

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Instrument :
BNA_N
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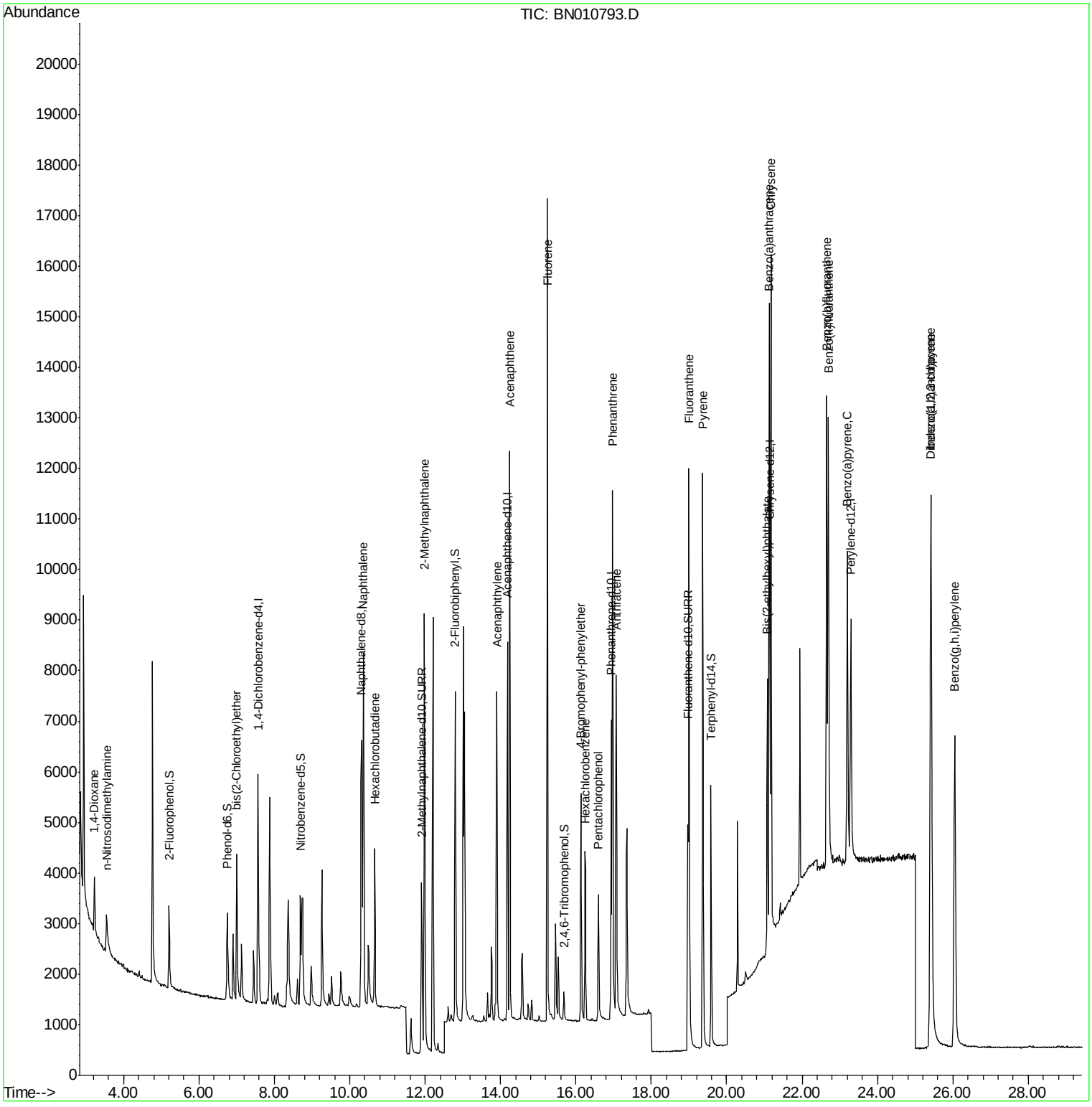
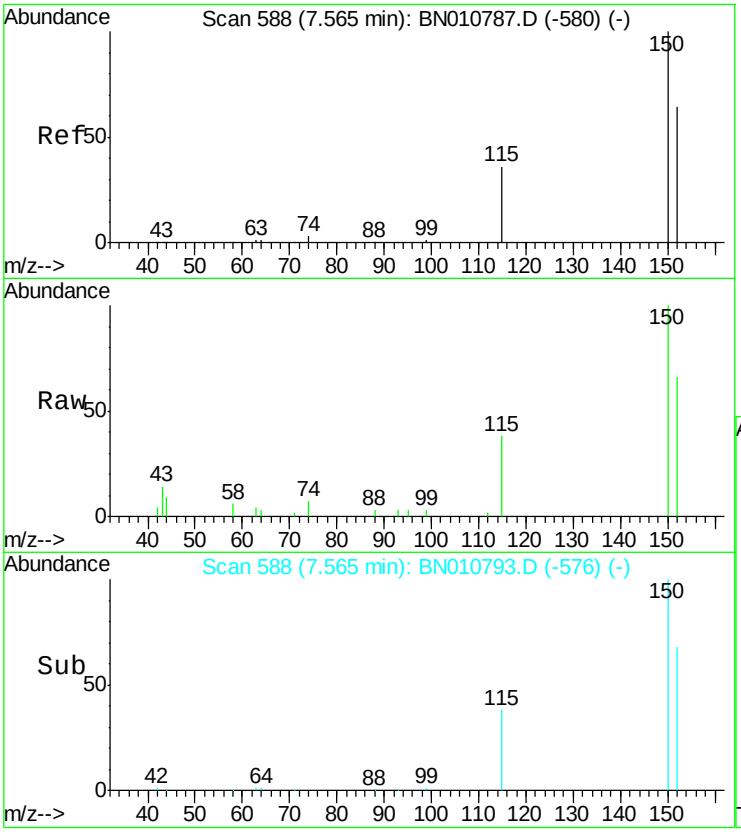


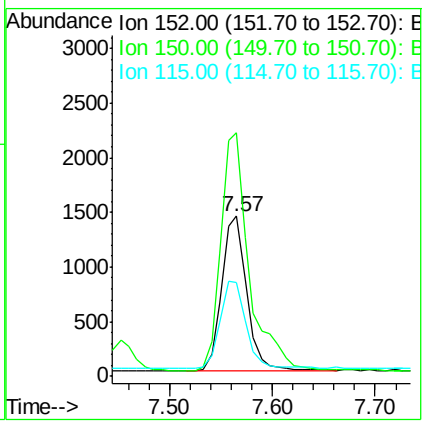


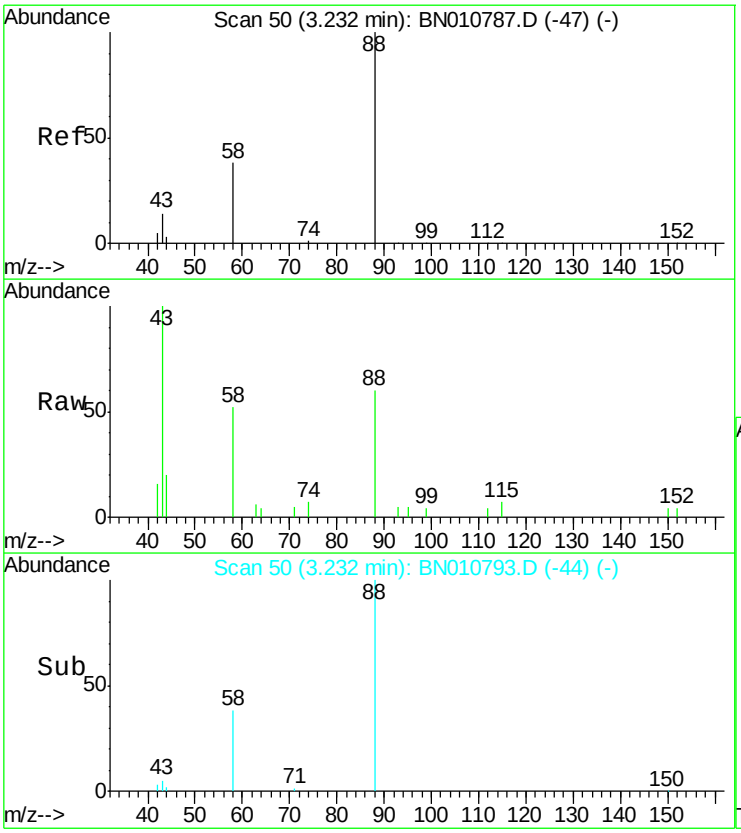
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.57 min Scan# 588
Delta R.T. 0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Instrument :
BNA_N
ClientSampleId :
PB129300BS

Tgt Ion:152 Resp: 2386

Ion	Ratio	Lower	Upper
152	100		
150	152.4	123.6	185.4
115	58.4	47.6	71.4

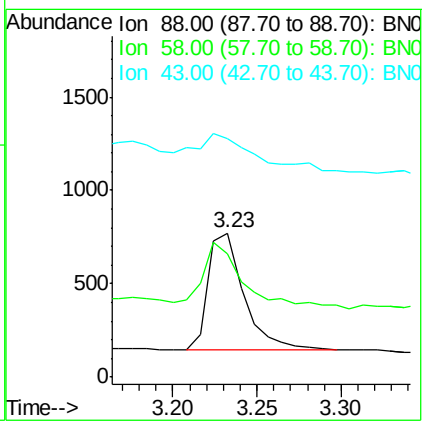


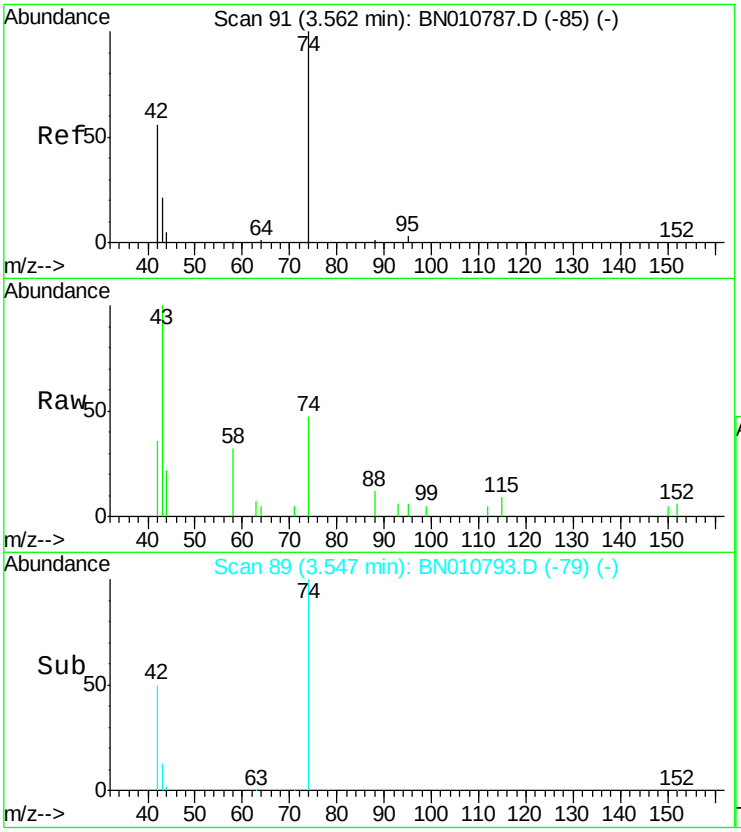


#2
1,4-Dioxane
Concen: 0.392 ng
RT: 3.23 min Scan# 50
Delta R.T. 0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Tgt Ion: 88 Resp: 926

Ion	Ratio	Lower	Upper
88	100		
58	52.9	38.8	58.2
43	51.1	15.9	23.9#



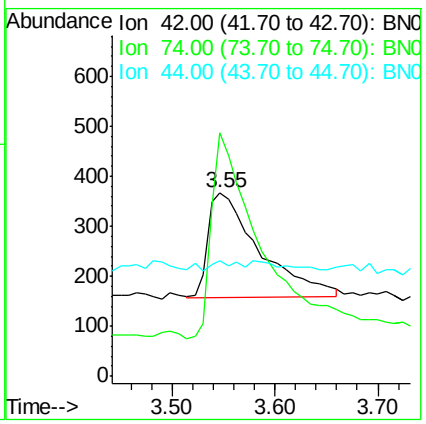


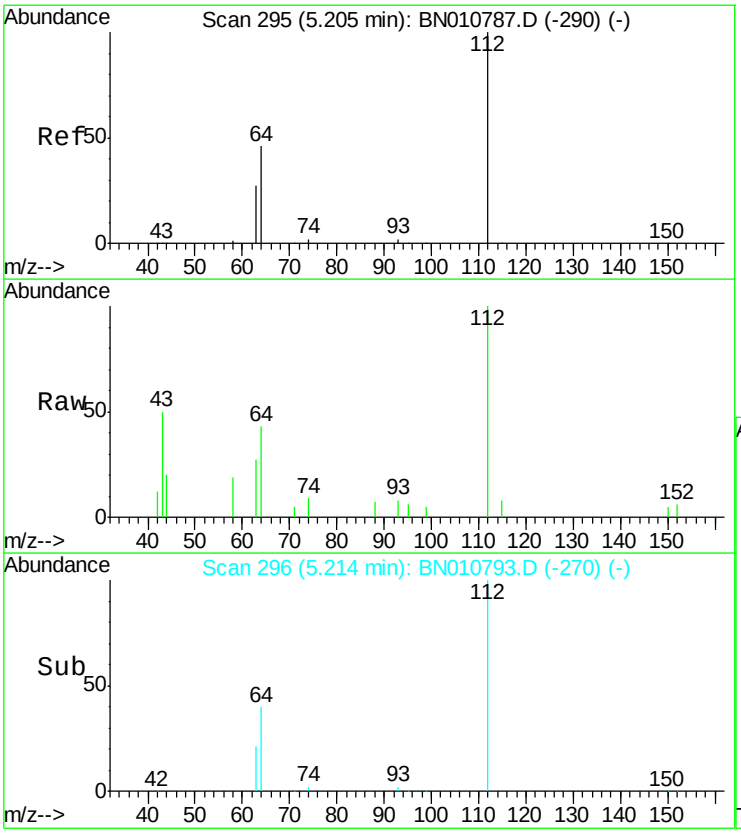
#3
n-Nitrosodimethylamine
Concen: 0.534 ng
RT: 3.55 min Scan# 89
Delta R.T. -0.02 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Instrument :
BNA_N
ClientSampleId :
PB129300BS

Tgt Ion: 42 Resp: 734

Ion	Ratio	Lower	Upper
42	100		
74	188.4	0.8	1.2#
44	3.0	7.8	11.6#

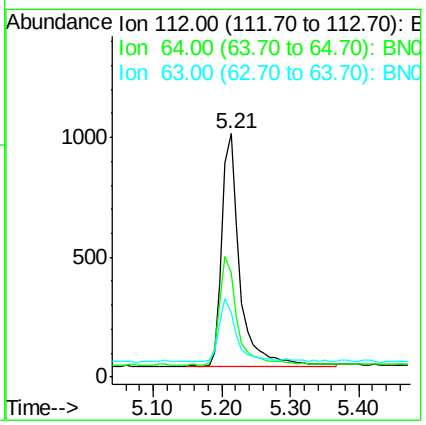


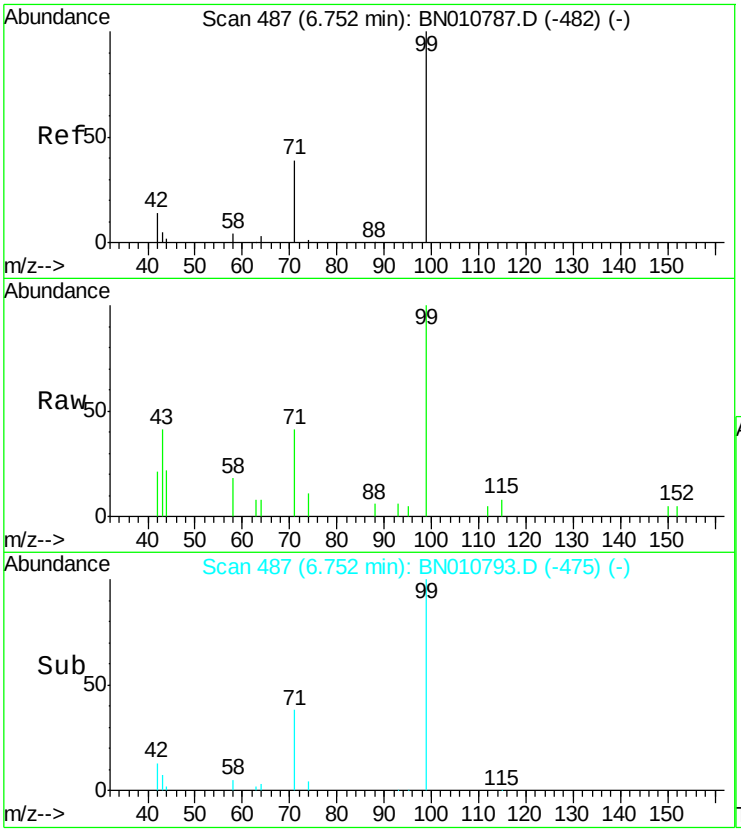


#4
2-Fluorophenol
Concen: 0.373 ng
RT: 5.21 min Scan# 296
Delta R.T. 0.01 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Tgt Ion:112 Resp: 1773

Ion	Ratio	Lower	Upper
112	100		
64	46.9	35.8	53.8
63	27.2	20.9	31.3



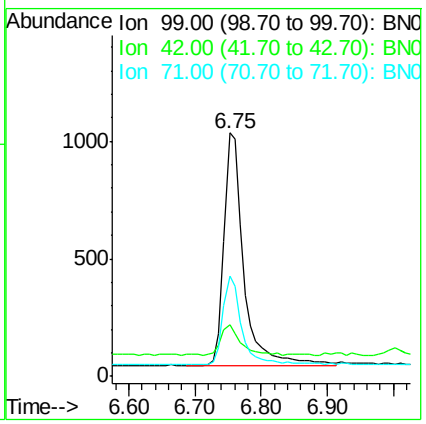


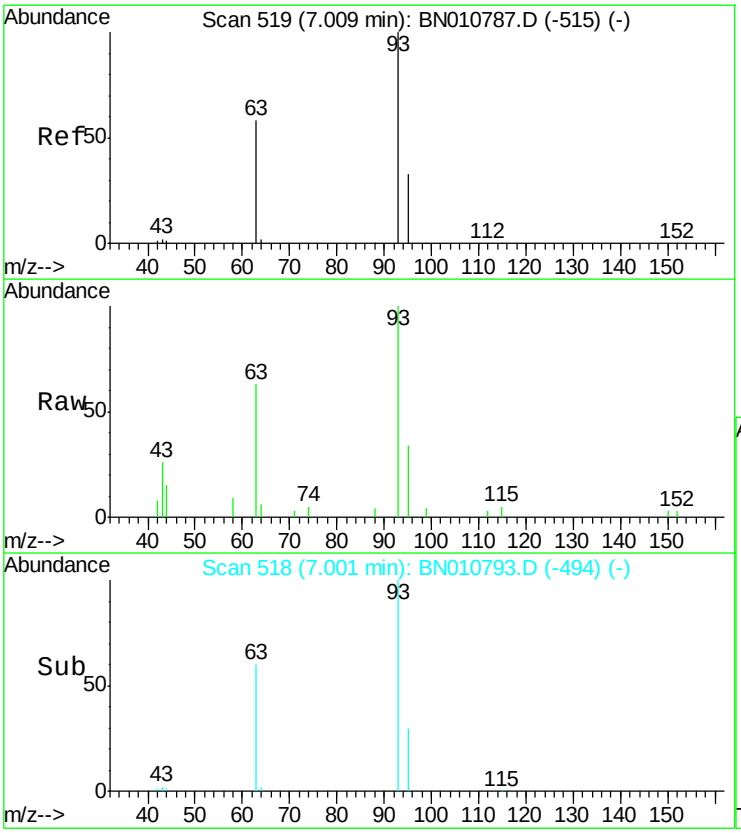
#5
Phenol-d6
Concen: 0.363 ng
RT: 6.75 min Scan# 487
Delta R.T. 0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Instrument :
BNA_N
ClientSampleId :
PB129300BS

Tgt Ion: 99 Resp: 2044

Ion	Ratio	Lower	Upper
99	100		
42	14.0	11.1	16.7
71	36.4	30.6	46.0

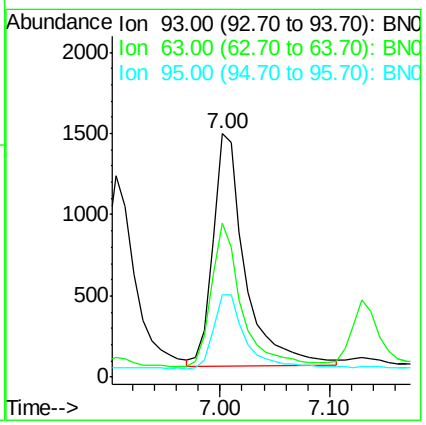


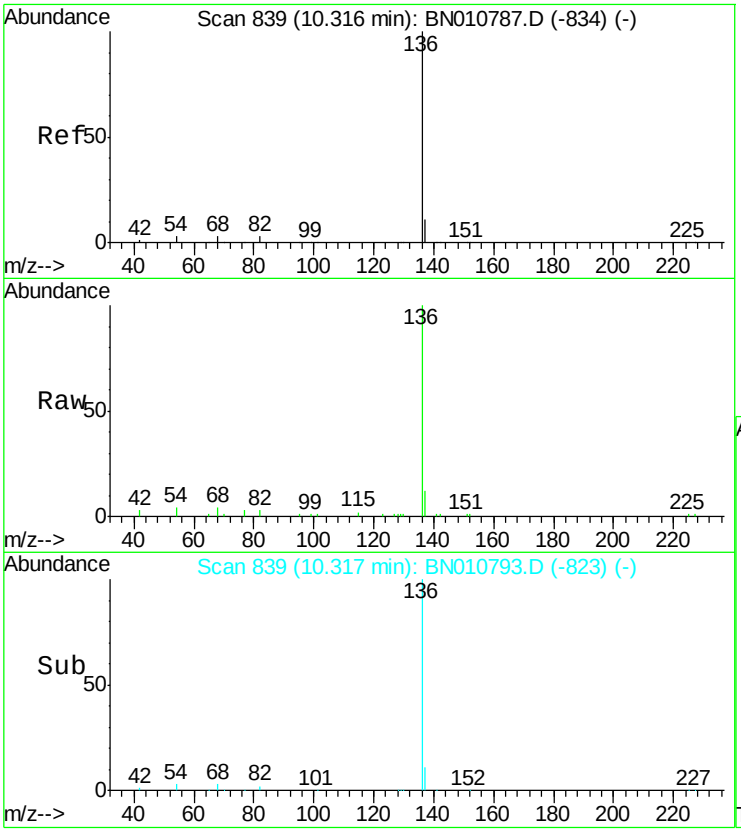


#6
bis(2-Chloroethyl)ether
Concen: 0.550 ng
RT: 7.00 min Scan# 518
Delta R.T. -0.01 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Tgt Ion: 93 Resp: 2948

Ion	Ratio	Lower	Upper
93	100		
63	57.3	46.2	69.4
95	32.8	27.6	41.4



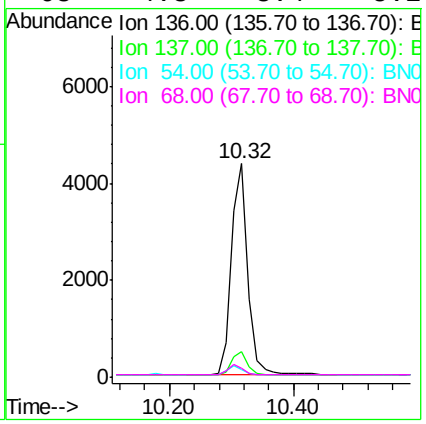


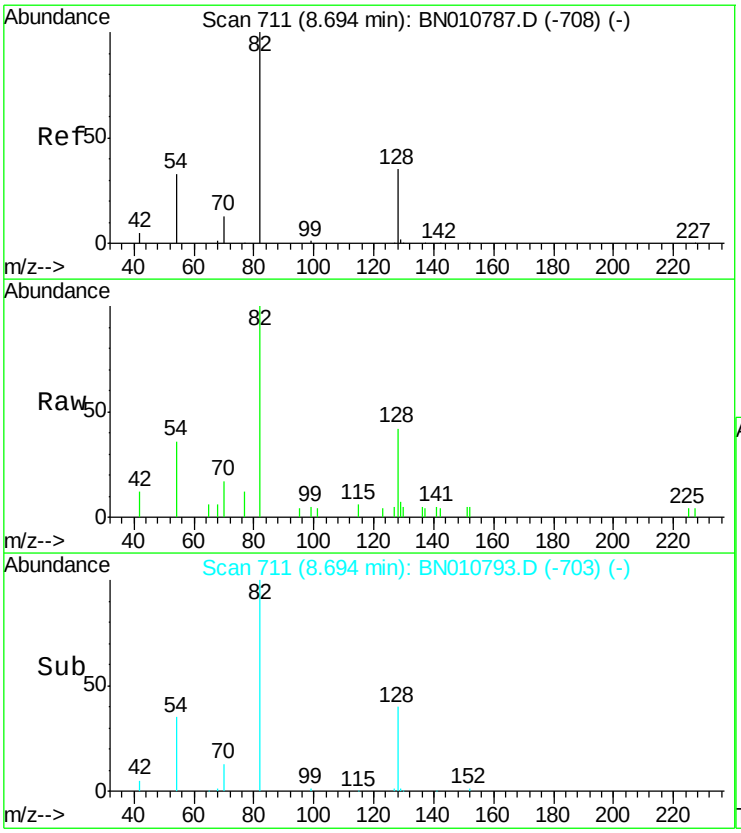
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.32 min Scan# 839
Delta R.T. 0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Instrument :
BNA_N
ClientSampleId :
PB129300BS

Tgt Ion:136 Resp: 8079

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.2	13.8
54	3.9	3.3	4.9
68	4.3	3.4	5.2

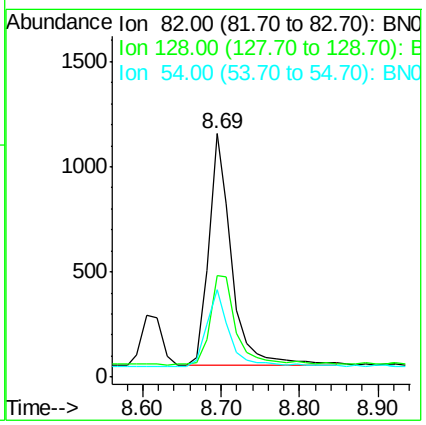


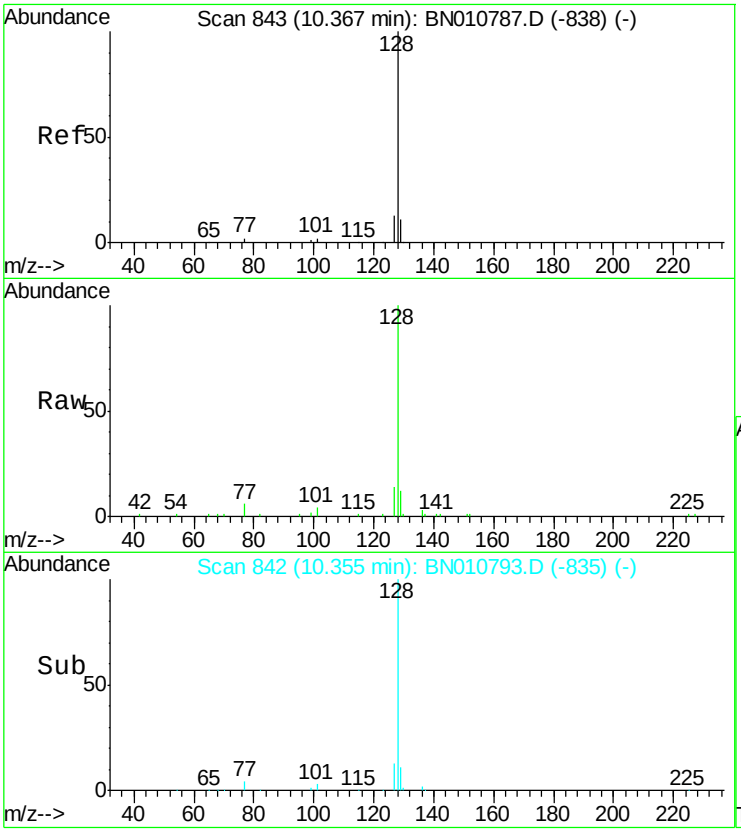


#8
Nitrobenzene-d5
Concen: 0.376 ng
RT: 8.69 min Scan# 711
Delta R.T. 0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Tgt Ion: 82 Resp: 2229

Ion	Ratio	Lower	Upper
82	100		
128	41.7	31.4	47.0
54	36.1	28.9	43.3



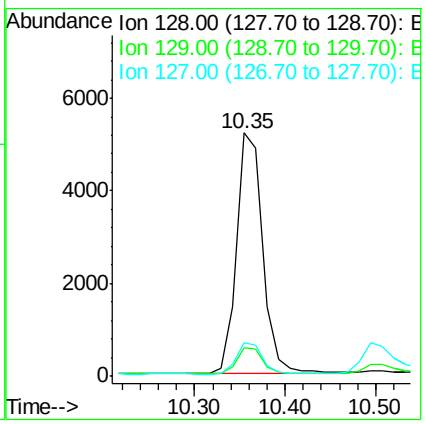


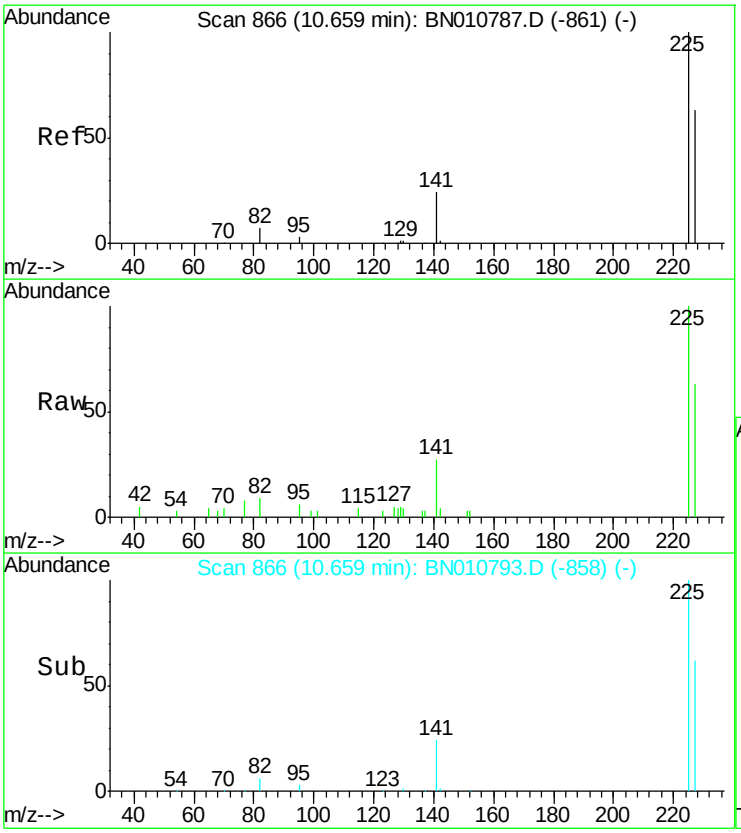
#9
Naphthalene
Concen: 0.516 ng
RT: 10.35 min Scan# 842
Delta R.T. -0.01 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Instrument :
BNA_N
ClientSampleId :
PB129300BS

Tgt Ion:128 Resp: 10391

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.4	14.2
127	14.0	11.0	16.6

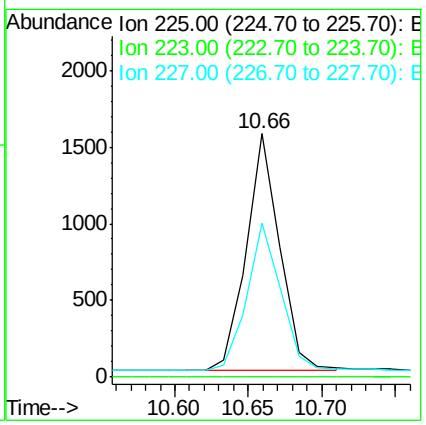


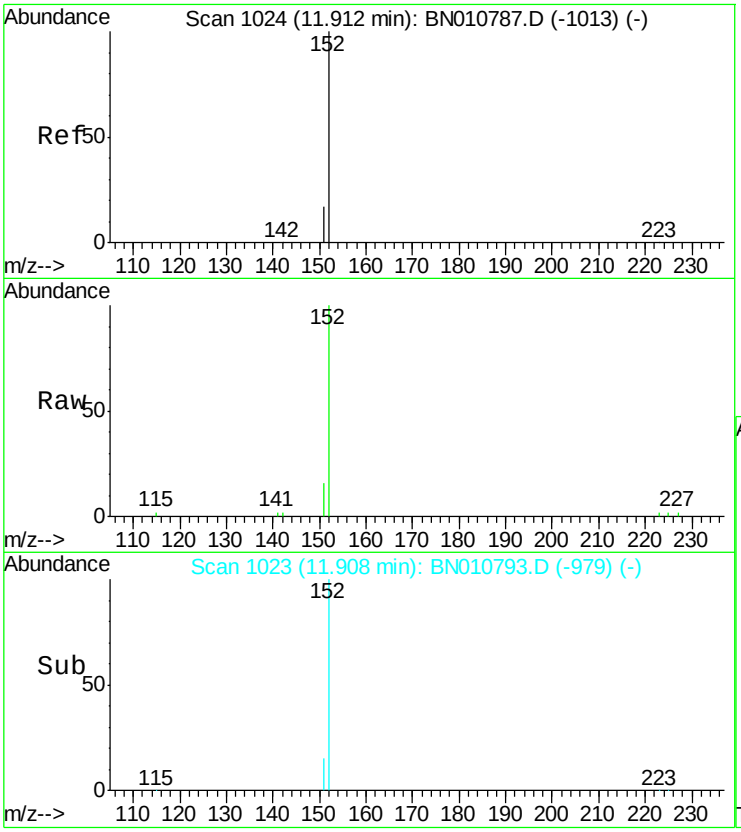


#10
Hexachlorobutadiene
Concen: 0.489 ng
RT: 10.66 min Scan# 866
Delta R.T. 0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Tgt Ion:225 Resp: 2403

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.5	51.0	76.4



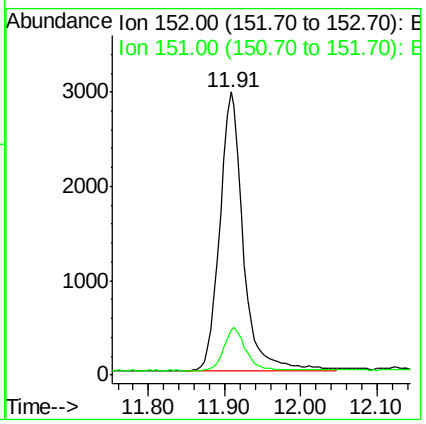


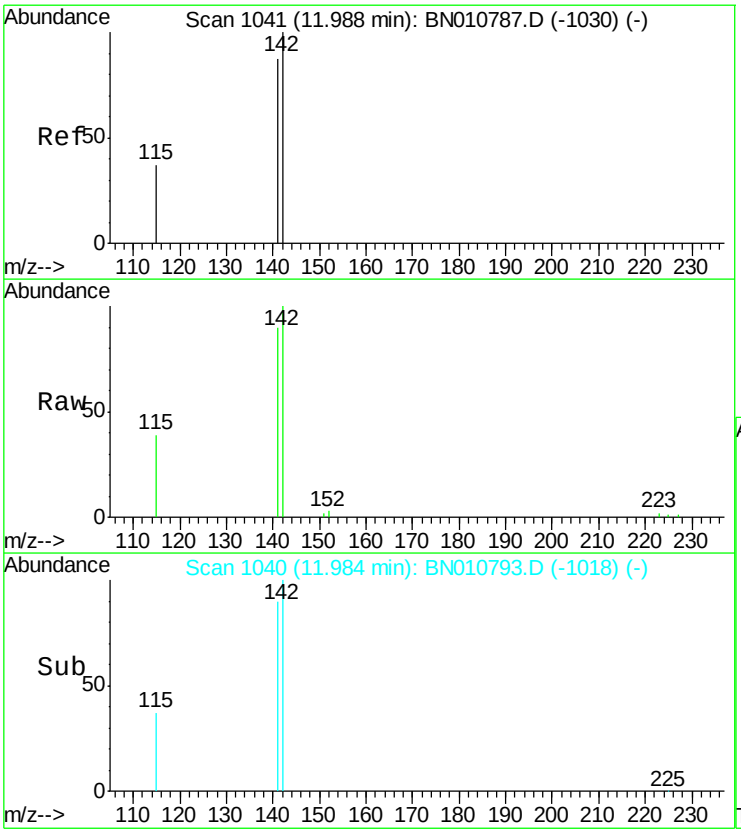
#11
2-Methylnaphthalene-d10
Concen: 0.509 ng
RT: 11.91 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Instrument :
BNA_N
ClientSampleId :
PB129300BS

Tgt Ion:152 Resp: 6241

Ion	Ratio	Lower	Upper
152	100		
151	14.3	15.3	22.9#

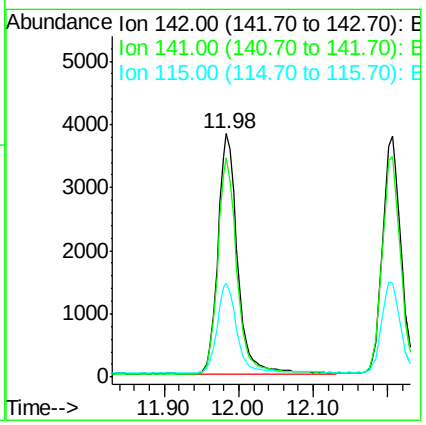


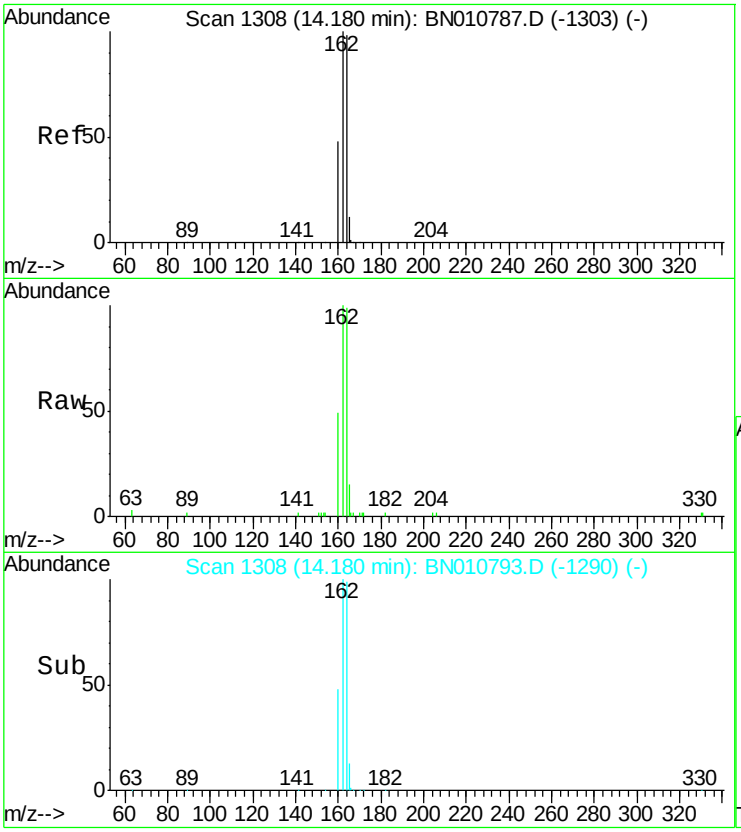


#12
2-Methylnaphthalene
Concen: 0.518 ng
RT: 11.98 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Tgt Ion:142 Resp: 6908

Ion	Ratio	Lower	Upper
142	100		
141	89.8	69.8	104.6
115	38.8	31.0	46.6



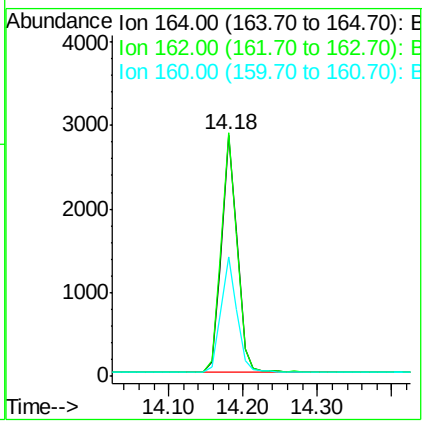


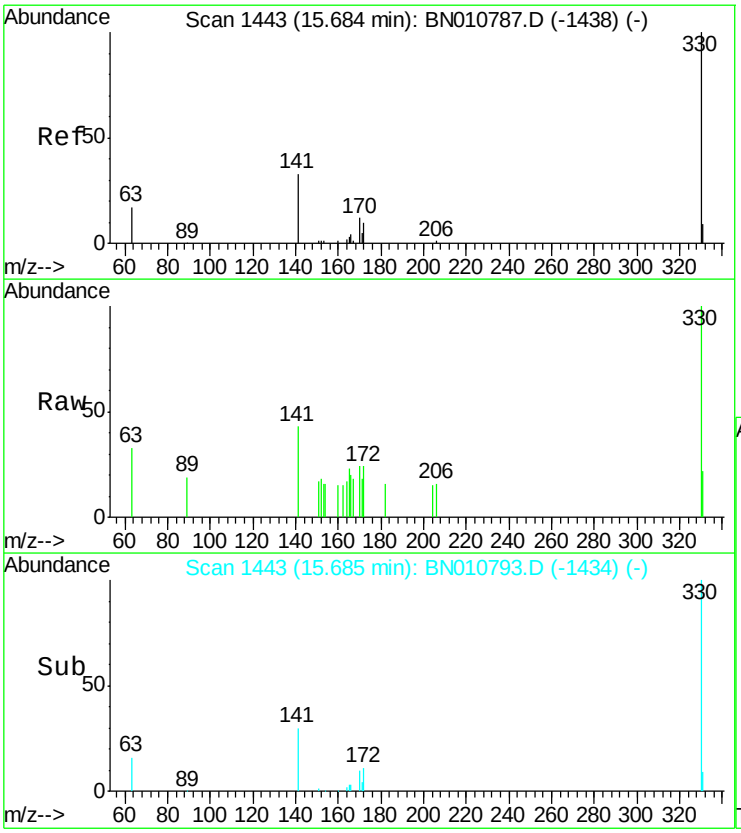
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.18 min Scan# 1308
Delta R.T. 0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Instrument :
BNA_N
ClientSampleId :
PB129300BS

Tgt Ion:164 Resp: 4188

Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.8	122.8
160	49.4	40.2	60.2

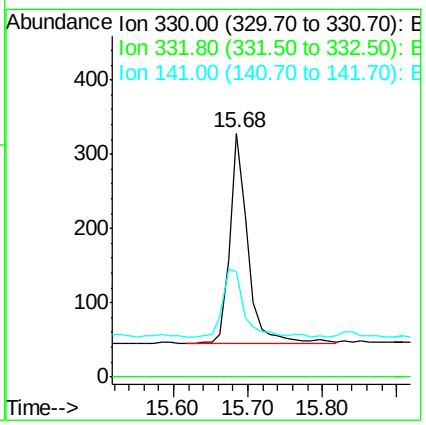


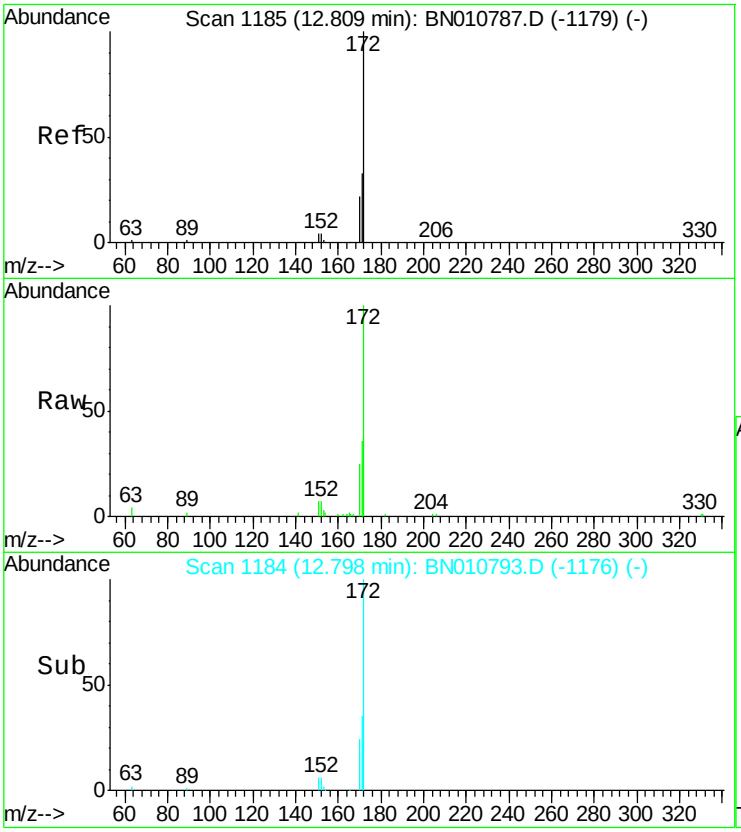


#14
2,4,6-Tribromophenol
Concen: 0.325 ng
RT: 15.68 min Scan# 1443
Delta R.T. 0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Tgt Ion:330 Resp: 475

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	38.1	32.1	48.1



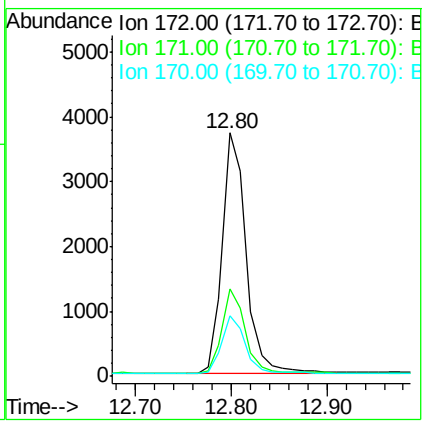


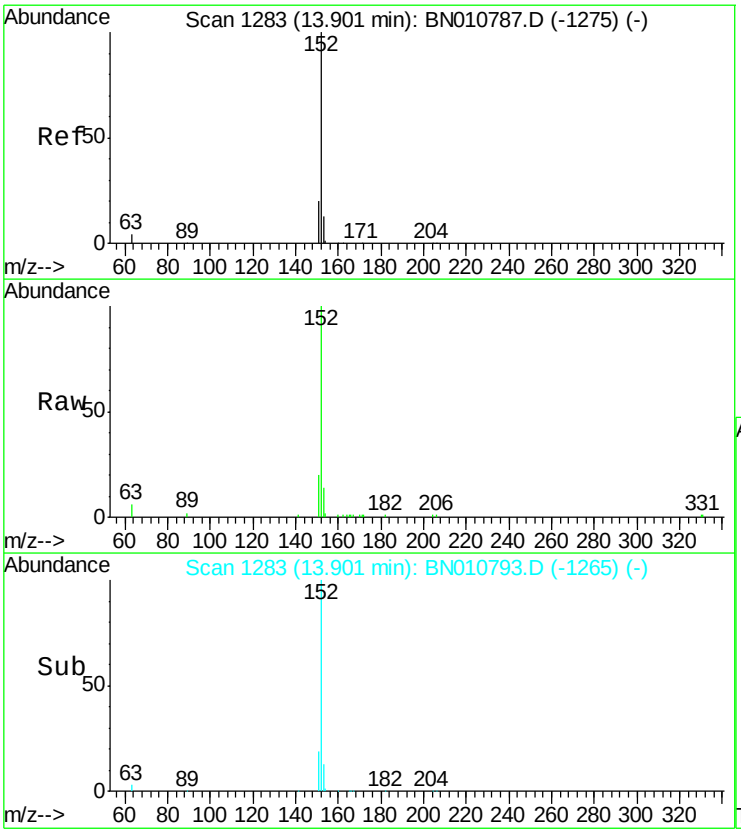
#15
2-Fluorobiphenyl
Concen: 0.398 ng
RT: 12.80 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Instrument :
BNA_N
ClientSampleId :
PB129300BS

Tgt Ion:172 Resp: 6488

Ion	Ratio	Lower	Upper
172	100		
171	36.1	27.2	40.8
170	24.9	18.1	27.1

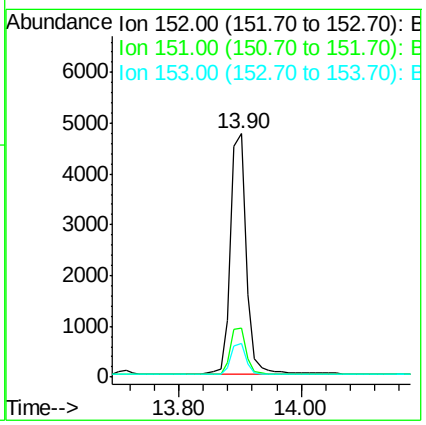


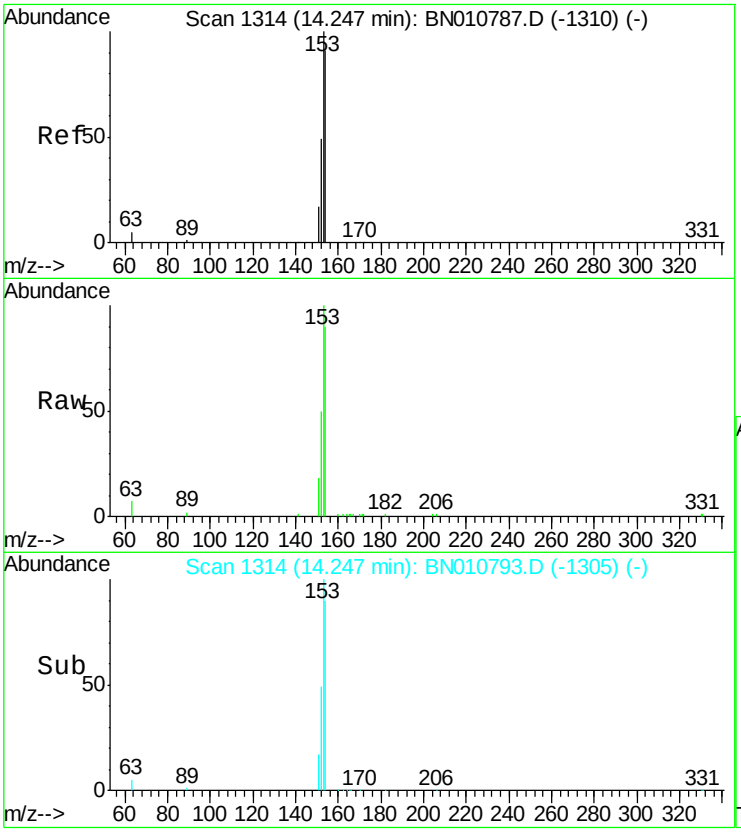


#16
Acenaphthylene
Concen: 0.507 ng
RT: 13.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Tgt Ion:152 Resp: 8611

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.7	23.5
153	13.1	10.8	16.2



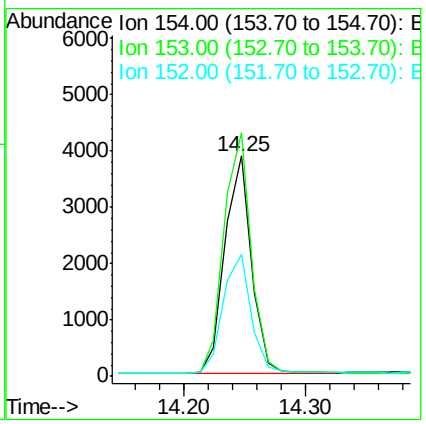


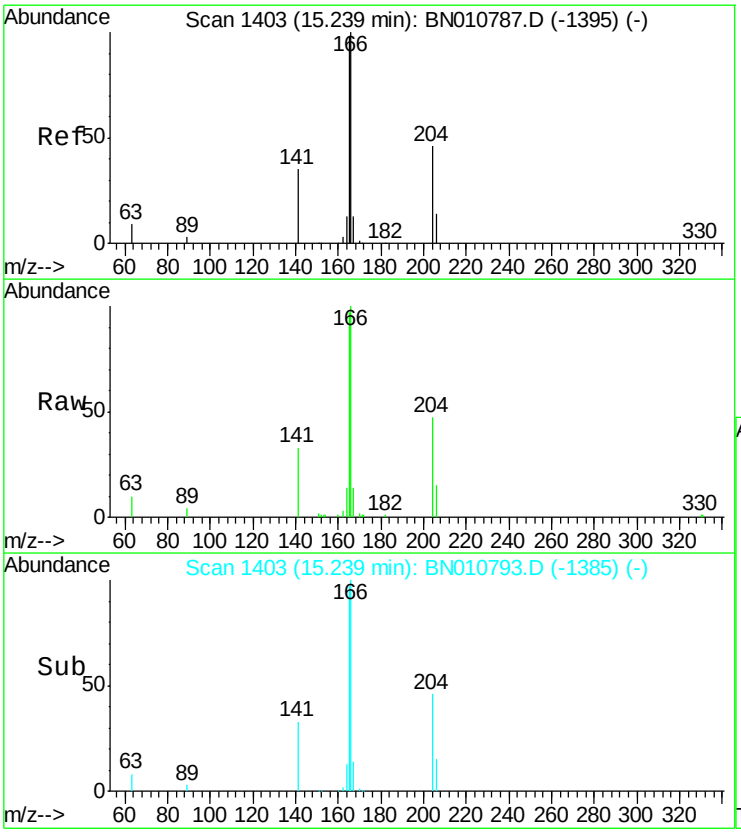
#17
Acenaphthene
Concen: 0.511 ng
RT: 14.25 min Scan# 1314
Delta R.T. 0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Instrument :
BNA_N
ClientSampleId :
PB129300BS

Tgt Ion:154 Resp: 5874

Ion	Ratio	Lower	Upper
154	100		
153	113.5	90.3	135.5
152	57.5	45.9	68.9

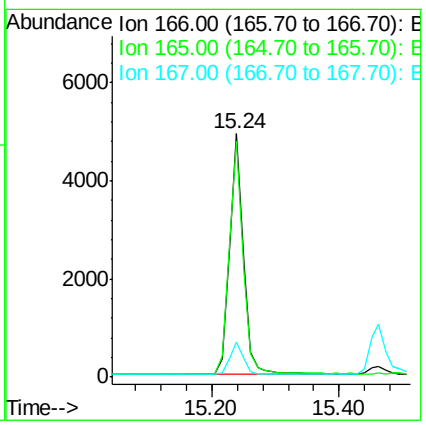


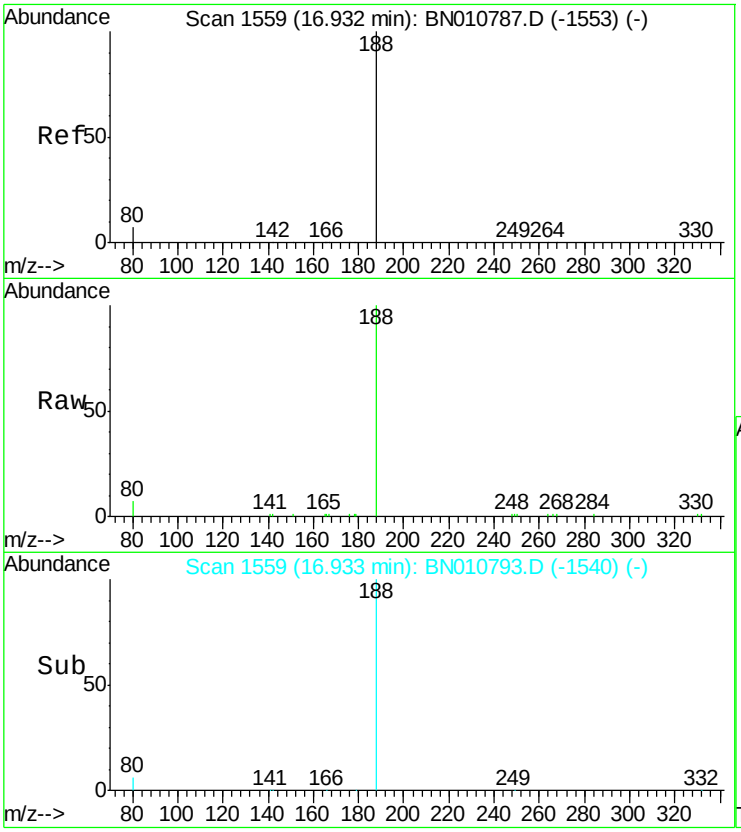


#18
Fluorene
Concen: 0.498 ng
RT: 15.24 min Scan# 1403
Delta R.T. 0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Tgt Ion:166 Resp: 7434

Ion	Ratio	Lower	Upper
166	100		
165	97.3	79.0	118.4
167	13.7	10.9	16.3



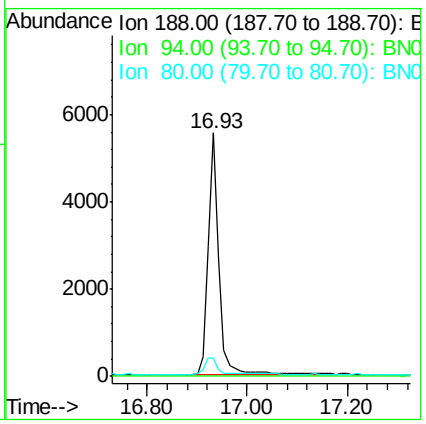


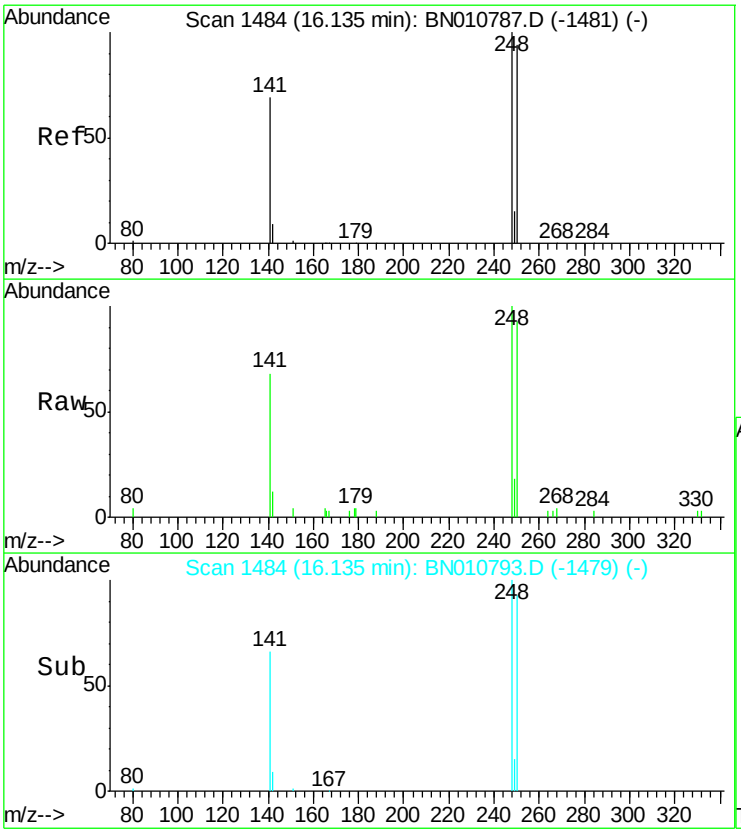
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.93 min Scan# 1559
Delta R.T. 0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Instrument :
BNA_N
ClientSampleId :
PB129300BS

Tgt Ion:188 Resp: 8342

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.4	5.9	8.9

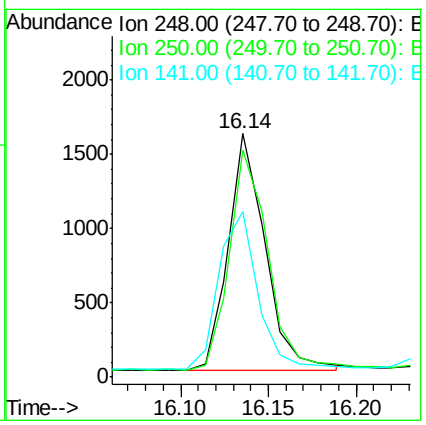


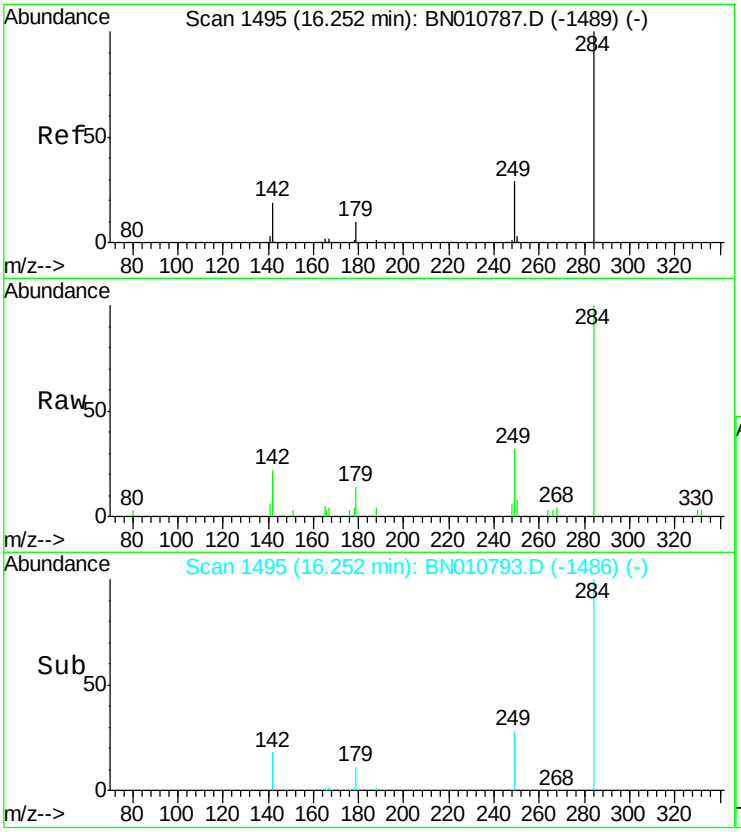


#20
4-Bromophenyl-phenylether
Concen: 0.477 ng
RT: 16.14 min Scan# 1484
Delta R.T. 0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Tgt Ion:248 Resp: 2319

Ion	Ratio	Lower	Upper
248	100		
250	93.0	75.2	112.8
141	67.8	56.4	84.6



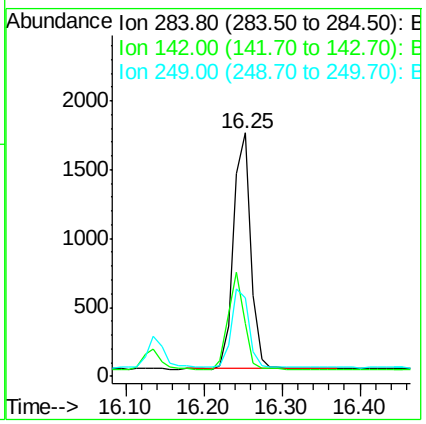


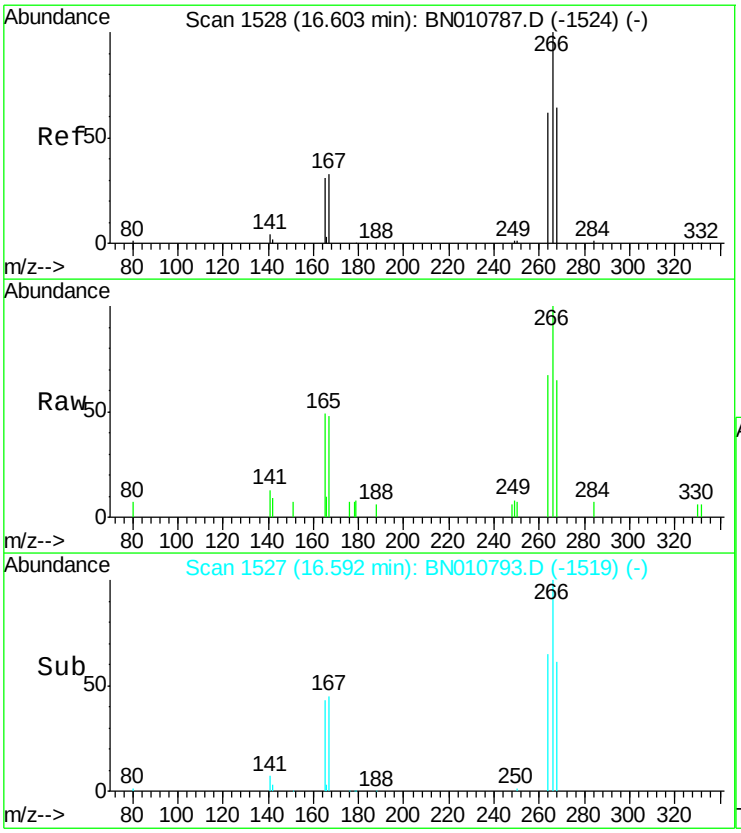
#21
Hexachlorobenzene
Concen: 0.513 ng
RT: 16.25 min Scan# 1495
Delta R.T. 0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Instrument :
BNA_N
ClientSampleId :
PB129300BS

Tgt Ion:284 Resp: 2633

Ion	Ratio	Lower	Upper
284	100		
142	37.9	31.1	46.7
249	33.9	26.6	39.8

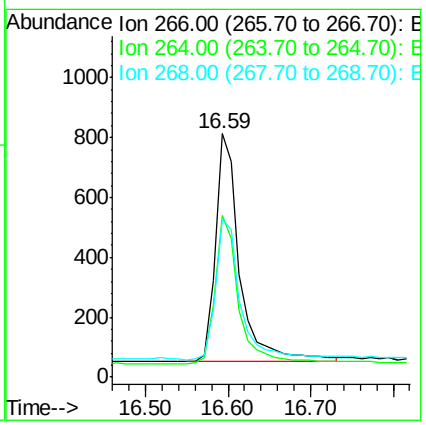


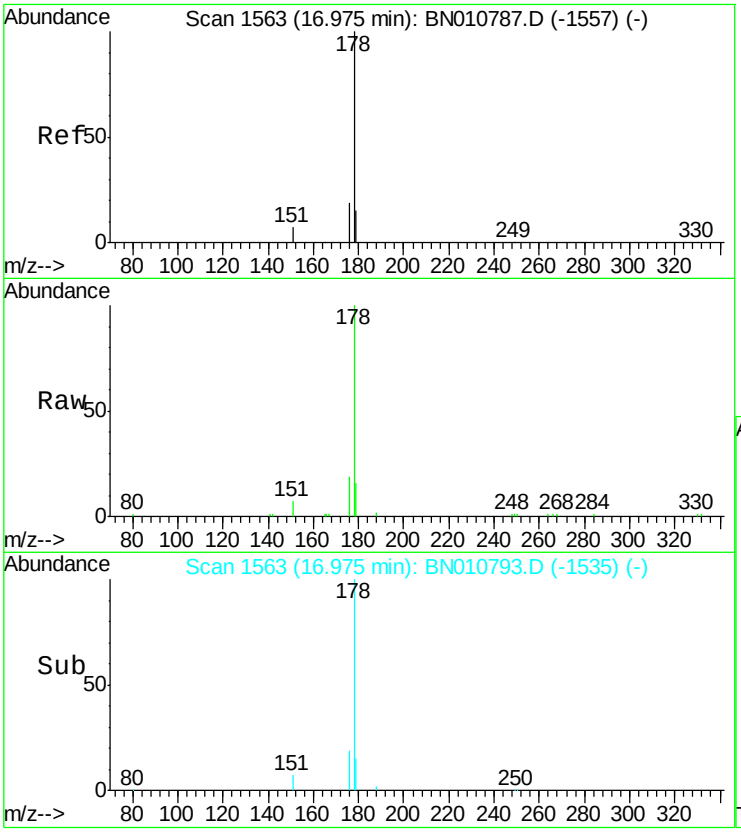


#22
Pentachlorophenol
Concen: 0.885 ng
RT: 16.59 min Scan# 1527
Delta R.T. -0.01 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Tgt Ion:266 Resp: 1548

Ion	Ratio	Lower	Upper
266	100		
264	66.7	52.5	78.7
268	65.1	56.1	84.1



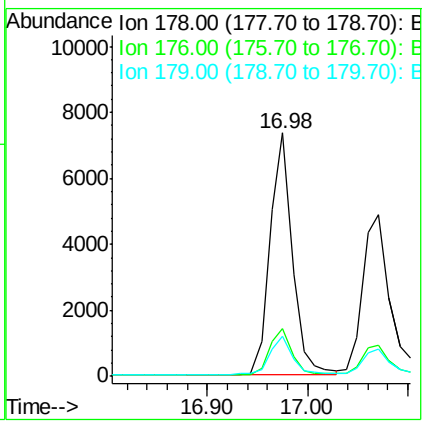


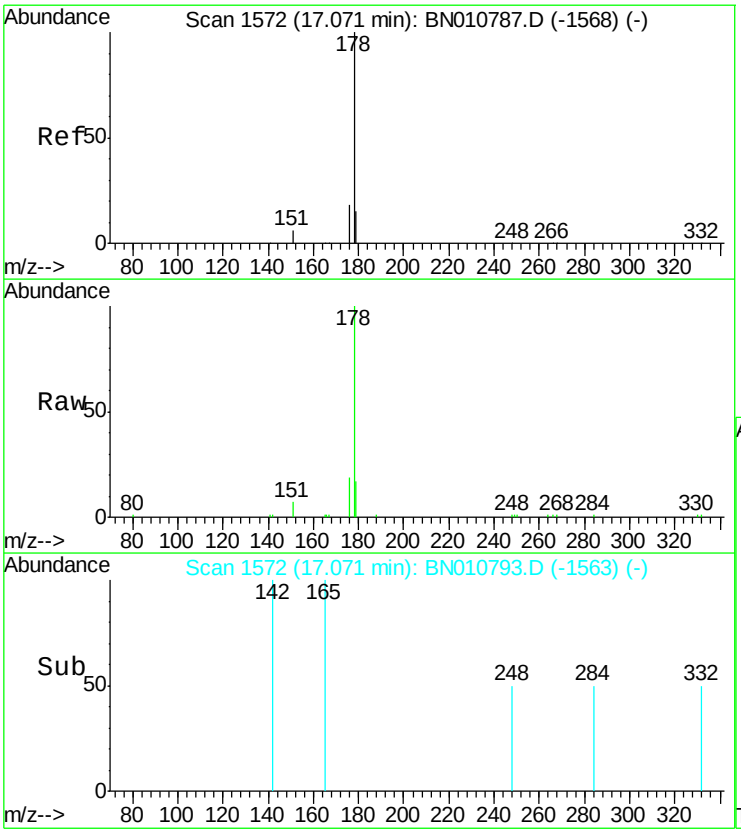
#23
Phenanthrene
Concen: 0.498 ng
RT: 16.98 min Scan# 1563
Delta R.T. 0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Instrument :
BNA_N
ClientSampleId :
PB129300BS

Tgt Ion:178 Resp: 11220

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.5	12.2	18.2

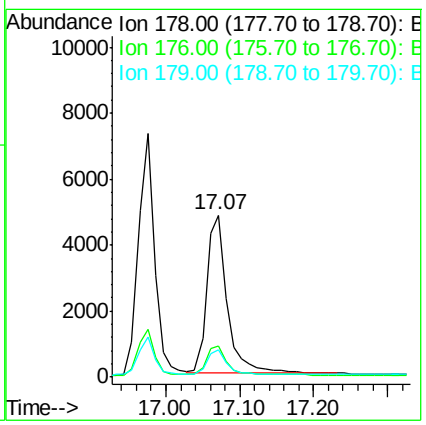


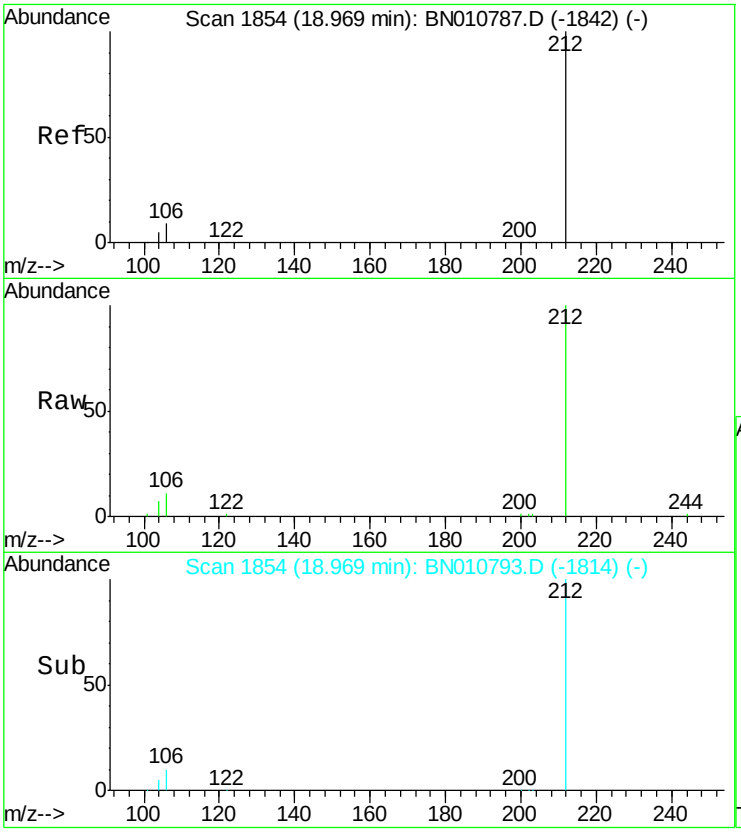


#24
Anthracene
Concen: 0.485 ng
RT: 17.07 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Tgt Ion:178 Resp: 9264

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.8	12.0	18.0



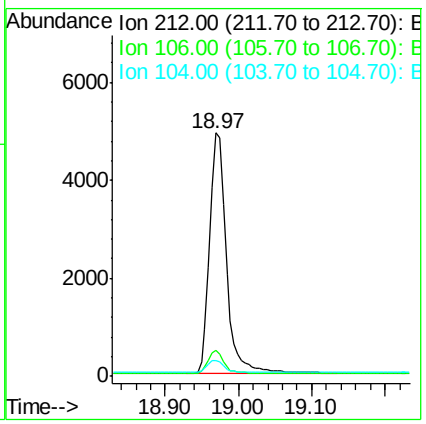


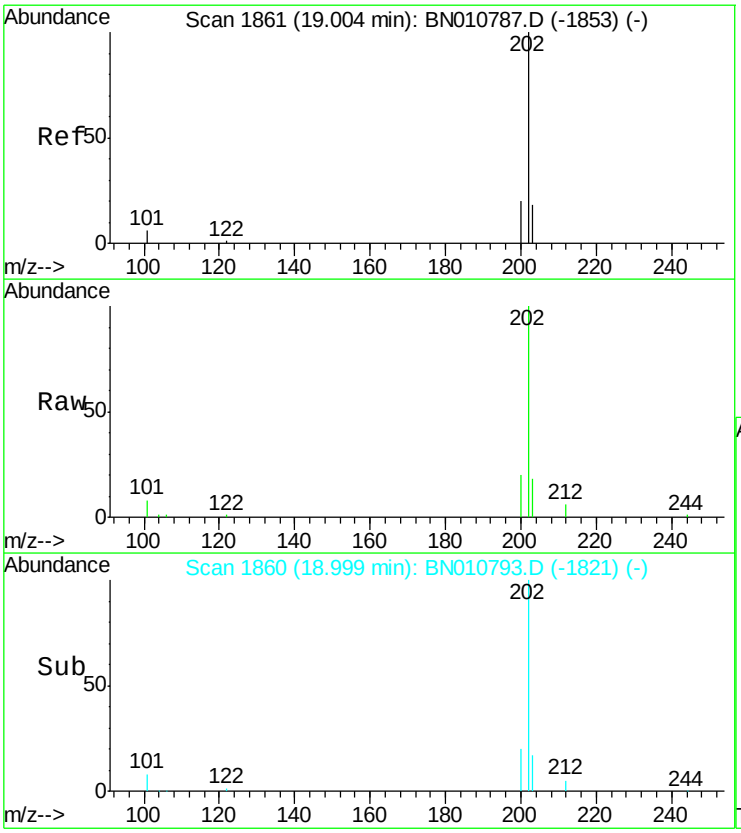
#25
Fluoranthene-d10
Concen: 0.340 ng
RT: 18.97 min Scan# 1854
Delta R.T. 0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Instrument :
BNA_N
ClientSampleId :
PB129300BS

Tgt Ion:212 Resp: 7883

Ion	Ratio	Lower	Upper
212	100		
106	8.8	7.1	10.7
104	5.3	4.1	6.1

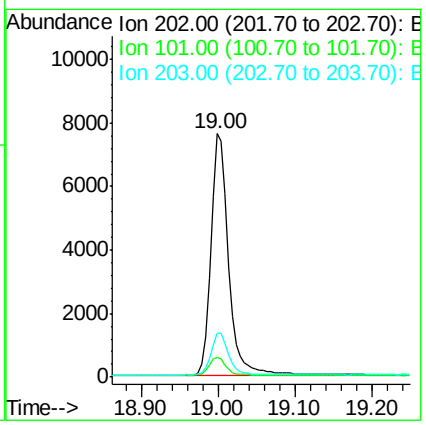


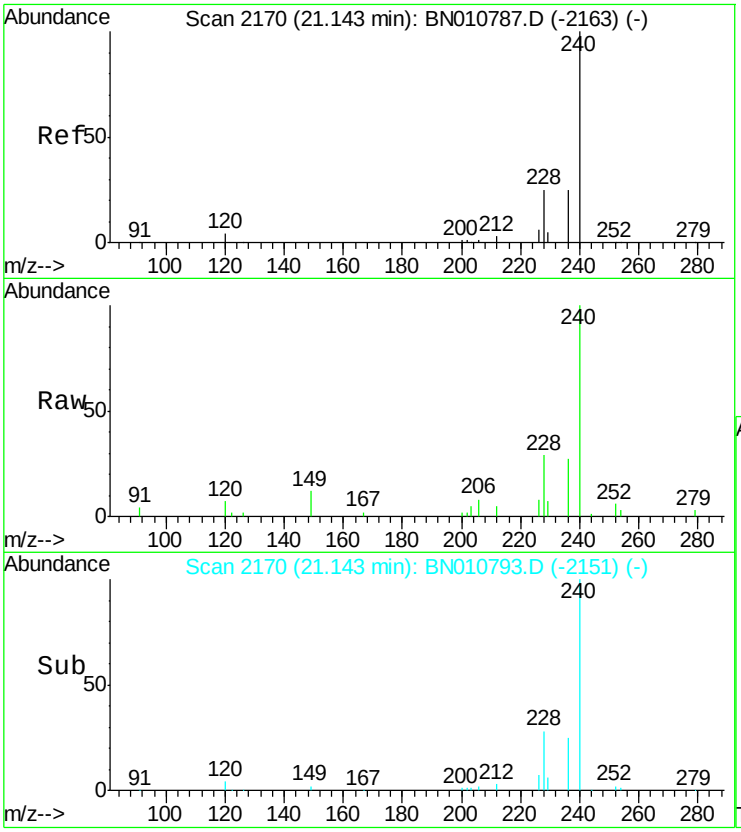


#26
Fluoranthene
Concen: 0.463 ng
RT: 19.00 min Scan# 1860
Delta R.T. -0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Tgt Ion:202 Resp: 12082

Ion	Ratio	Lower	Upper
202	100		
101	7.7	6.2	9.4
203	17.2	13.6	20.4



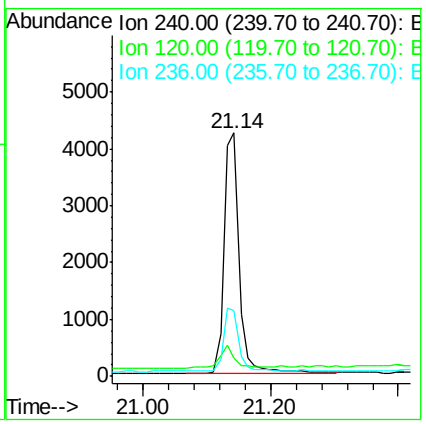


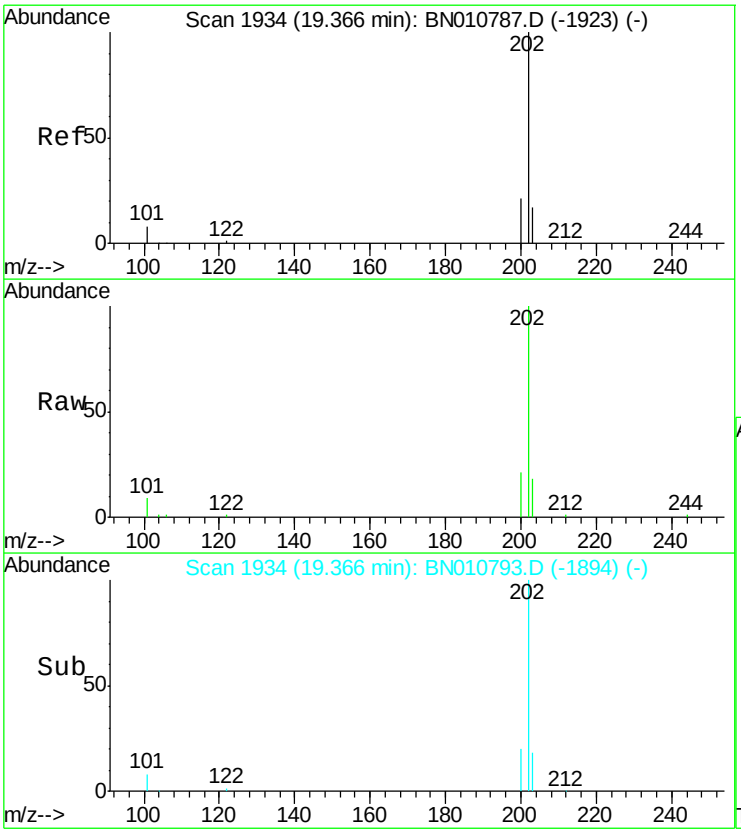
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.14 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Instrument :
BNA_N
ClientSampleId :
PB129300BS

Tgt Ion:240 Resp: 6984

Ion	Ratio	Lower	Upper
240	100		
120	7.3	5.2	7.8
236	27.2	21.3	31.9

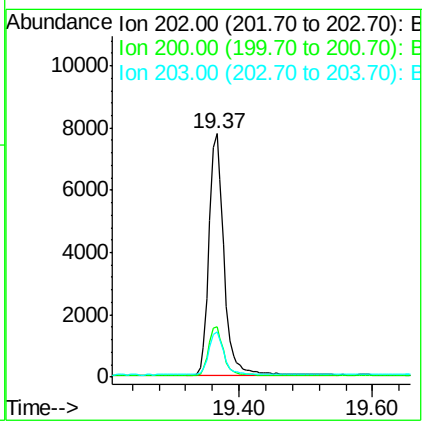


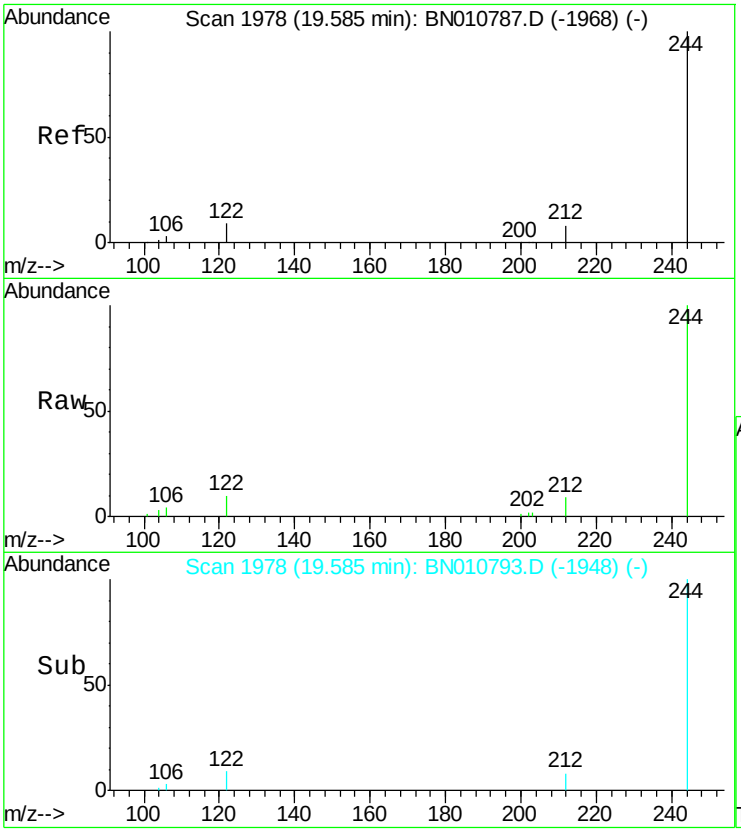


#28
Pyrene
Concen: 0.544 ng
RT: 19.37 min Scan# 1934
Delta R.T. 0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Tgt Ion:202 Resp: 12041

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.5	24.7
203	17.8	14.0	21.0



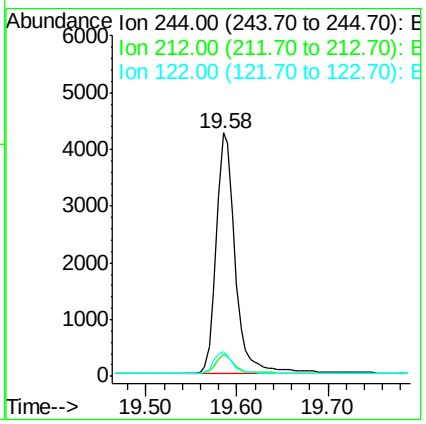


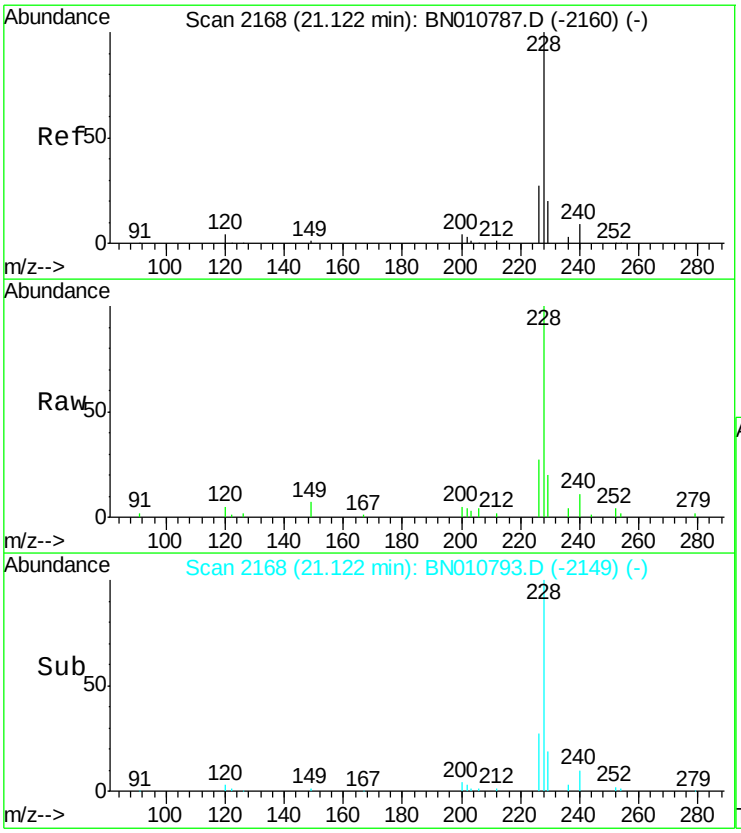
#29
Terphenyl-d14
Concen: 0.394 ng
RT: 19.58 min Scan# 1978
Delta R.T. 0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Instrument : BNA_N
ClientSampleId : PB129300BS

Tgt Ion:244 Resp: 6140

Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.2	10.8
122	10.4	7.8	11.6

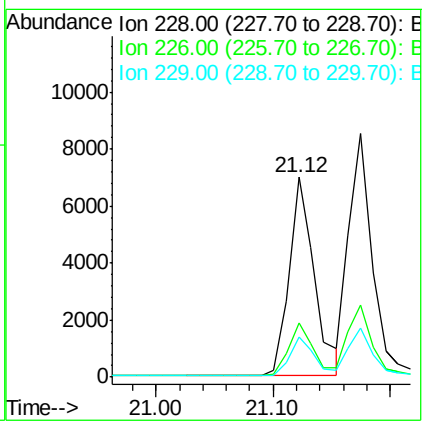


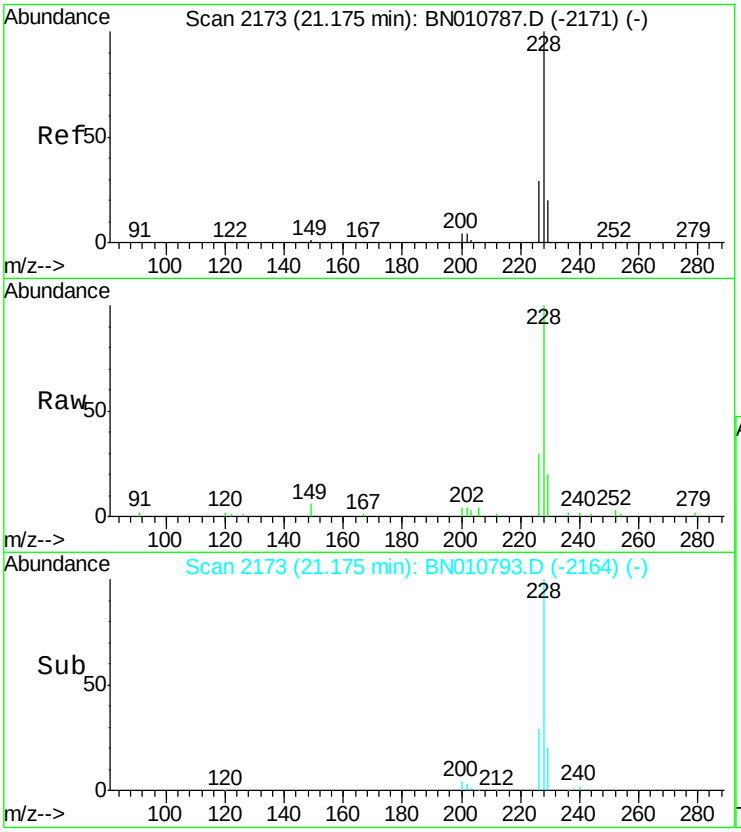


#30
Benzo(a)anthracene
Concen: 0.511 ng
RT: 21.12 min Scan# 2168
Delta R.T. 0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Tgt Ion:228 Resp: 10471

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.9	32.9
229	19.9	16.2	24.2



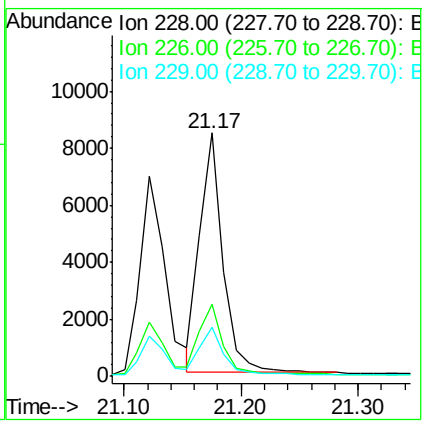


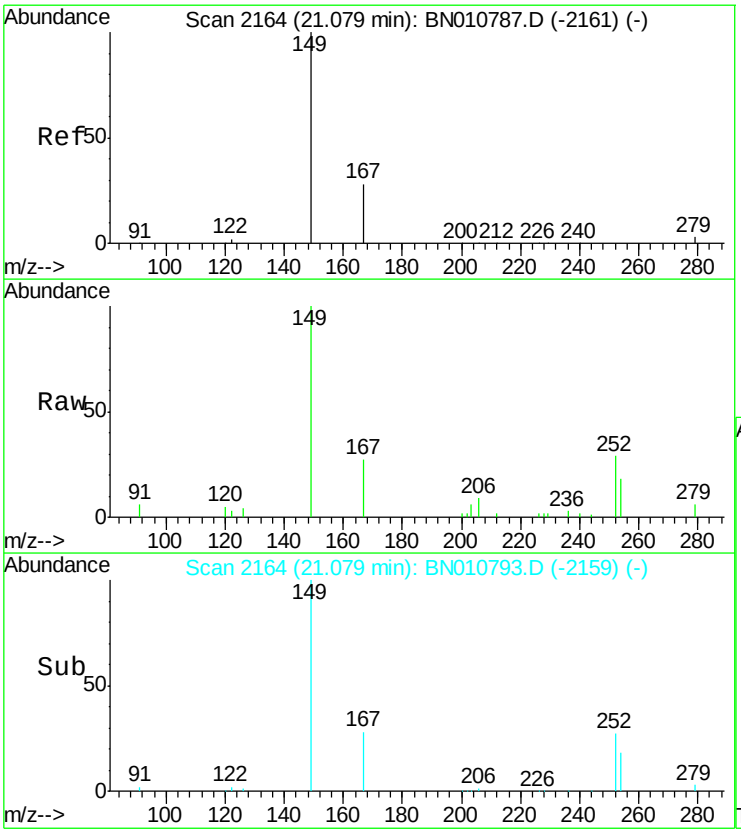
#31
Chrysene
Concen: 0.500 ng
RT: 21.17 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Instrument :
BNA_N
ClientSampleId :
PB129300BS

Tgt Ion:228 Resp: 11642

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.9	35.9
229	20.0	16.3	24.5

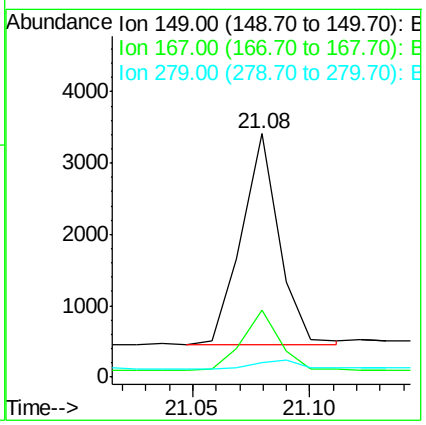


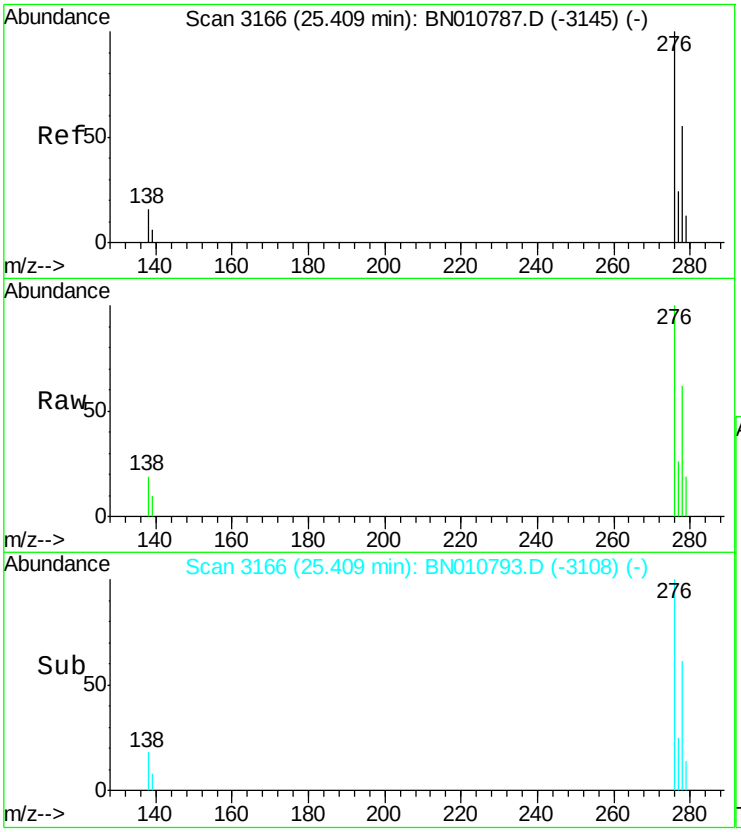


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.491 ng
RT: 21.08 min Scan# 2164
Delta R.T. 0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Tgt Ion:149 Resp: 3323

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.9	34.3
279	4.9	4.2	6.2



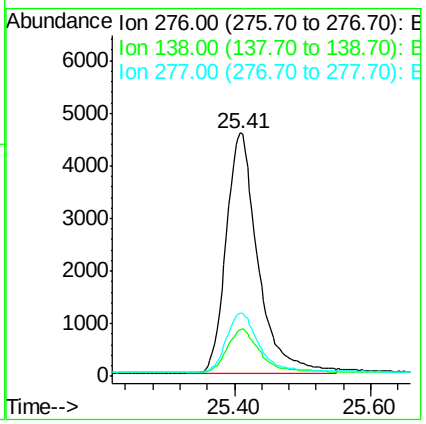


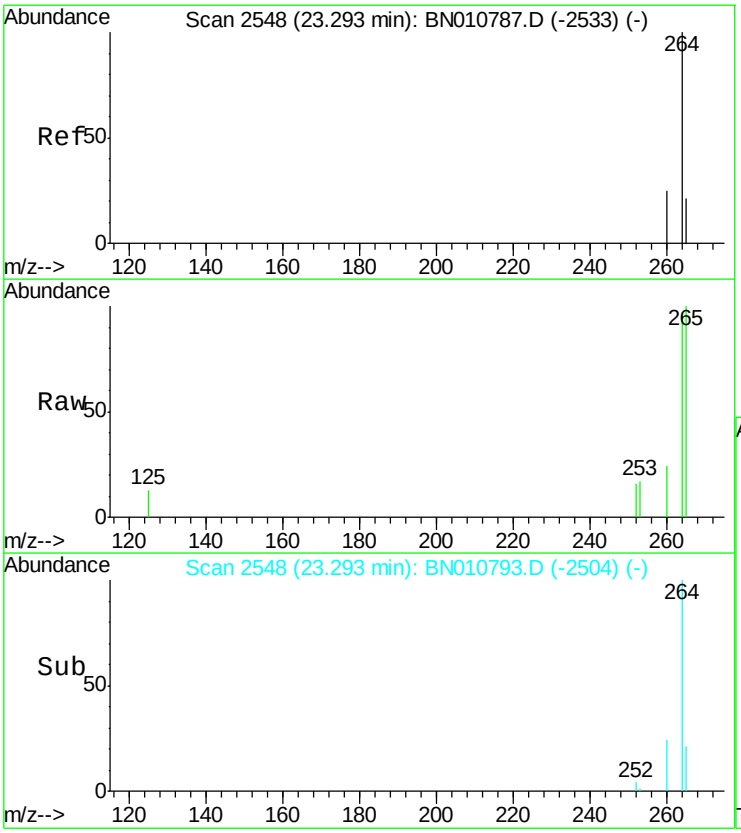
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.534 ng
RT: 25.41 min Scan# 3166
Delta R.T. 0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Instrument :
BNA_N
ClientSampleId :
PB129300BS

Tgt Ion:276 Resp: 14954

Ion	Ratio	Lower	Upper
276	100		
138	18.3	15.1	22.7
277	25.1	19.9	29.9

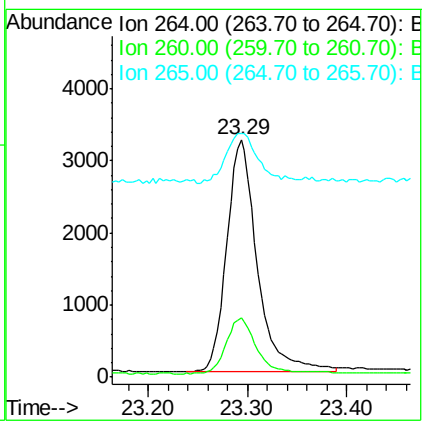


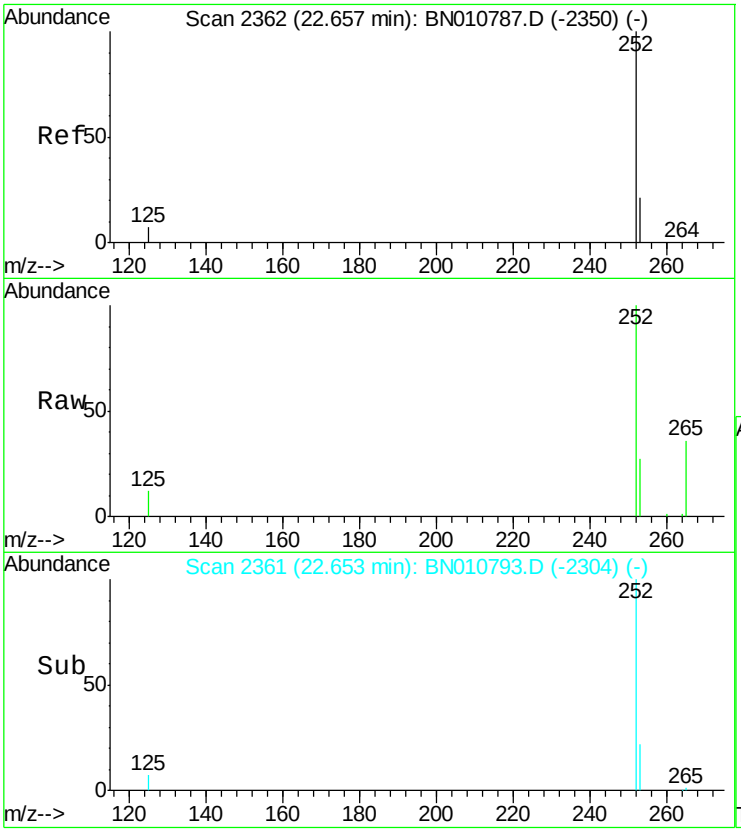


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.29 min Scan# 2548
Delta R.T. 0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Tgt Ion:264 Resp: 6831

Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.3	30.5
265	102.6	61.7	92.5#



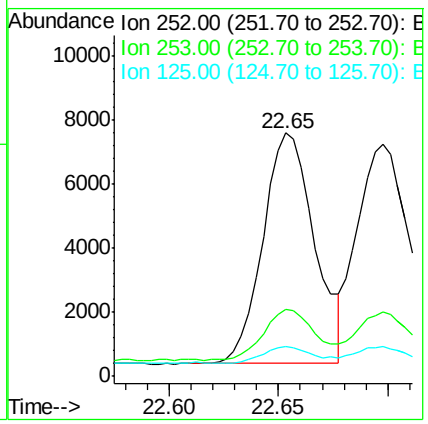


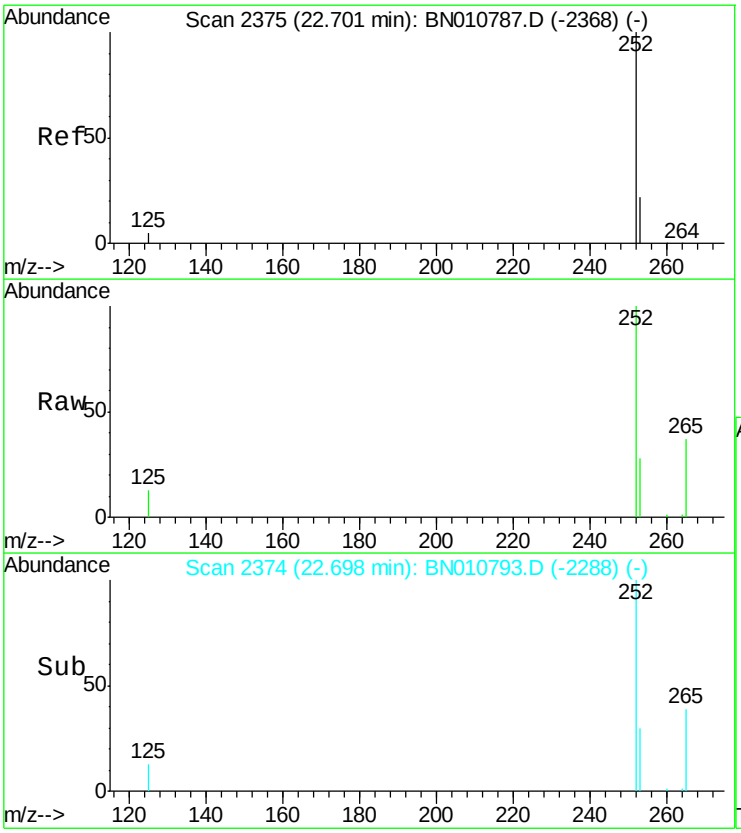
#35
Benzo(b)fluoranthene
Concen: 0.533 ng
RT: 22.65 min Scan# 2361
Delta R.T. -0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Instrument :
BNA_N
ClientSampleId :
PB129300BS

Tgt Ion:252 Resp: 11854

Ion	Ratio	Lower	Upper
252	100		
253	27.3	21.5	32.3
125	12.2	9.2	13.8

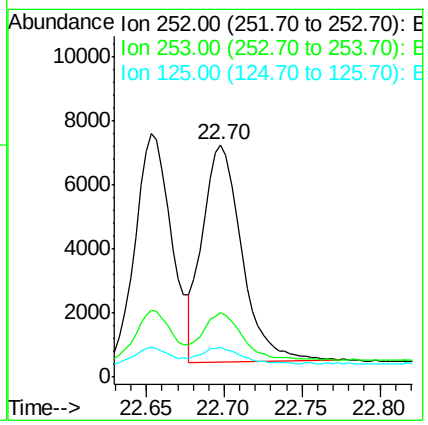


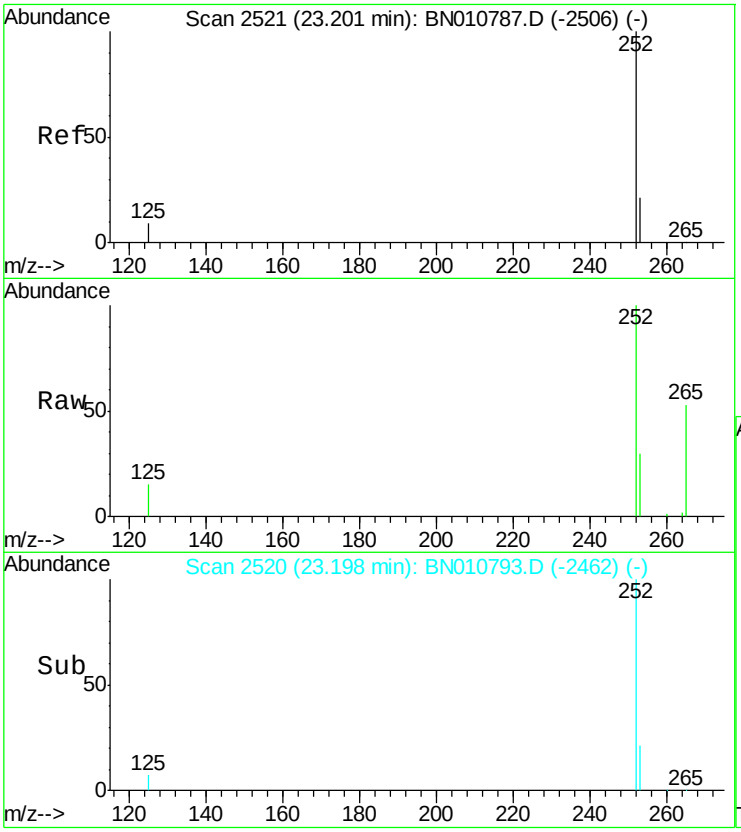


#36
Benzo(k)fluoranthene
Concen: 0.487 ng
RT: 22.70 min Scan# 2374
Delta R.T. -0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Tgt Ion:252 Resp: 11931

Ion	Ratio	Lower	Upper
252	100		
253	27.9	21.8	32.8
125	12.6	10.5	15.7



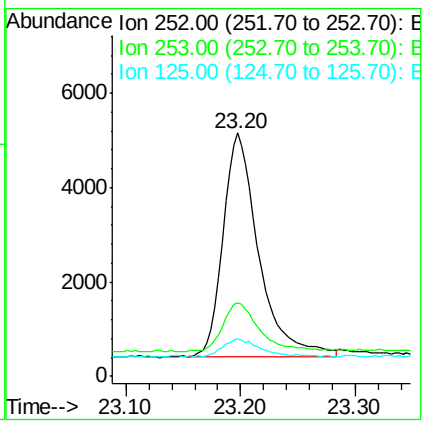


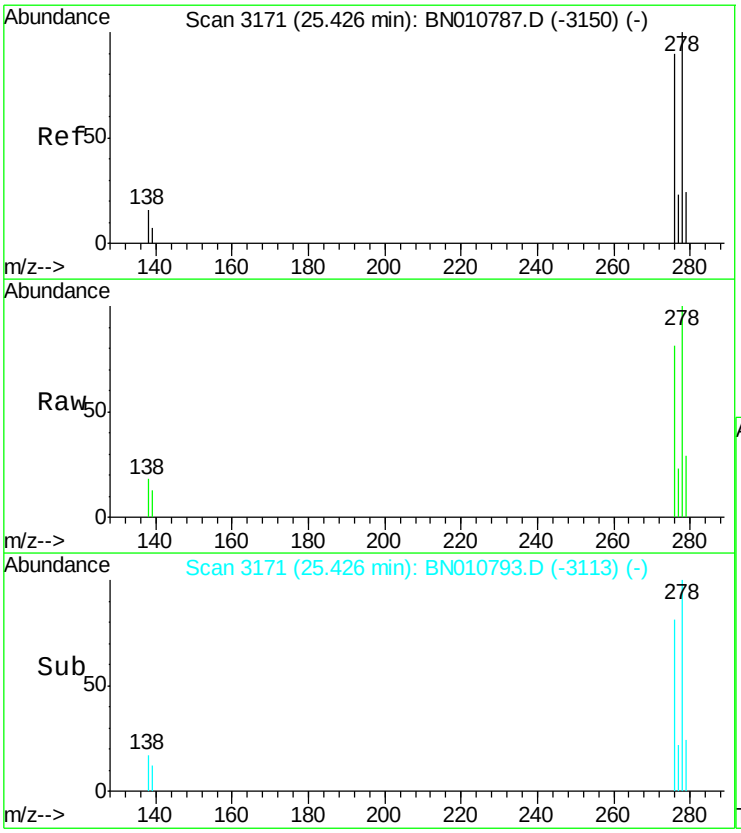
#37
Benzo(a)pyrene
Concen: 0.520 ng
RT: 23.20 min Scan# 2520
Delta R.T. -0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Instrument :
BNA_N
ClientSampleId :
PB129300BS

Tgt Ion:252 Resp: 10330

Ion	Ratio	Lower	Upper
252	100		
253	30.3	32.0	48.0#
125	15.3	16.0	24.0#

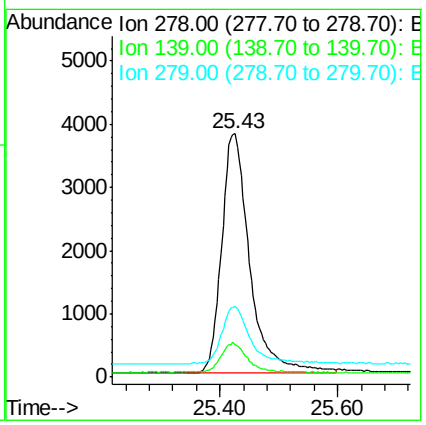


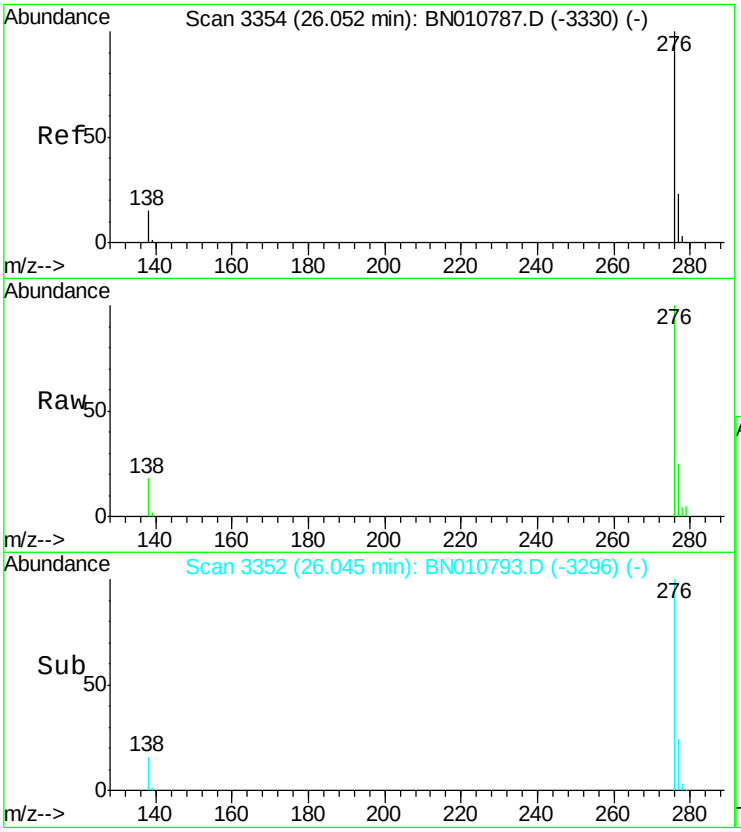


#38
Dibenzo(a,h)anthracene
Concen: 0.565 ng
RT: 25.43 min Scan# 3171
Delta R.T. 0.00 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Tgt Ion:278 Resp: 12640

Ion	Ratio	Lower	Upper
278	100		
139	13.3	10.7	16.1
279	28.9	22.9	34.3





#39
Benzo(g,h,i)perylene
Concen: 0.594 ng
RT: 26.05 min Scan# 3352
Delta R.T. -0.01 min
Lab File: BN010793.D
Acq: 05 Jun 2020 22:55

Instrument :
BNA_N
ClientSampleId :
PB129300BS

Tgt Ion:276 Resp: 13731

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.9	29.9
138	17.7	13.6	20.4