Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052120\
Data File : BN010734.D
Acq On : 21 May 2020 19:22
Operator : CG/JU
Sample : PB129048BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB129048BS

Quant Time: May 21 20:00:27 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN051320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 21 16:54:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	2987	0.40	ng		0.00
7) Naphthalene-d8	10.33	136	11217	0.40	ng		0.00
13) Acenaphthene-d10	14.20	164	6649	0.40	ng		0.00
19) Phenanthrene-d10	16.95	188	13652	0.40	ng		0.00
27) Chrysene-d12	21.15	240	10675	0.40	ng		0.00
34) Perylene-d12	23.32	264	9388	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.22	112	1944	0.33	ng		0.00
5) Phenol-d6	6.77	99	2293	0.32	ng		0.00
8) Nitrobenzene-d5	8.71	82	2515	0.32	ng		0.00
11) 2-Methylnaphthalene-d10	11.93	152	7721	0.42	ng		0.00
14) 2,4,6-Tribromophenol	15.71	330	622	0.26	ng		0.00
15) 2-Fluorobiphenyl	12.82	172	8141	0.33	ng		0.00
25) Fluoranthene-d10	18.99	212	10665	0.29	ng		0.01
29) Terphenyl-d14	19.61	244	8053	0.32	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.23	88	814	0.32	ng	#	68
3) n-Nitrosodimethylamine	3.55	42	789	0.53	ng	#	93
6) bis(2-Chloroethyl)ether	7.02	93	3215	0.44	ng		96
9) Naphthalene	10.38	128	12146	0.43	ng		100
10) Hexachlorobutadiene	10.67	225	2645	0.41	ng	#	99
12) 2-Methylnaphthalene	12.00	142	8571	0.43	ng		99
16) Acenaphthylene	13.91	152	11342	0.42	ng		100
17) Acenaphthene	14.26	154	7905	0.43	ng		100
18) Fluorene	15.26	166	10086	0.42	ng		99
20) 4-Bromophenyl-phenylether	16.16	248	3029	0.40	ng		97
21) Hexachlorobenzene	16.26	284	3831	0.43	ng		99
22) Pentachlorophenol	16.62	266	2418	0.87	ng		99
23) Phenanthrene	17.00	178	15217	0.42	ng		100
24) Anthracene	17.09	178	12481	0.41	ng		99
26) Fluoranthene	19.02	202	16651	0.40	ng		99
28) Pyrene	19.39	202	16537	0.43	ng		99
30) Benzo(a)anthracene	21.14	228	13407	0.43	ng		99
31) Chrysene	21.20	228	14719	0.42	ng		99
32) Bis(2-ethylhexyl)phthalate	21.09	149	5167	0.38	ng		100
33) Indeno(1,2,3-cd)pyrene	25.46	276	12593	0.40	ng		99
35) Benzo(b)fluoranthene	22.68	252	12962	0.42	ng		100
36) Benzo(k)fluoranthene	22.72	252	14598	0.44	ng		100
37) Benzo(a)pyrene	23.23	252	11727	0.44	ng		98
38) Dibenzo(a,h)anthracene	25.48	278	10007	0.44	ng		99
39) Benzo(g,h,i)perylene	26.10	276	12204	0.45	ng		99

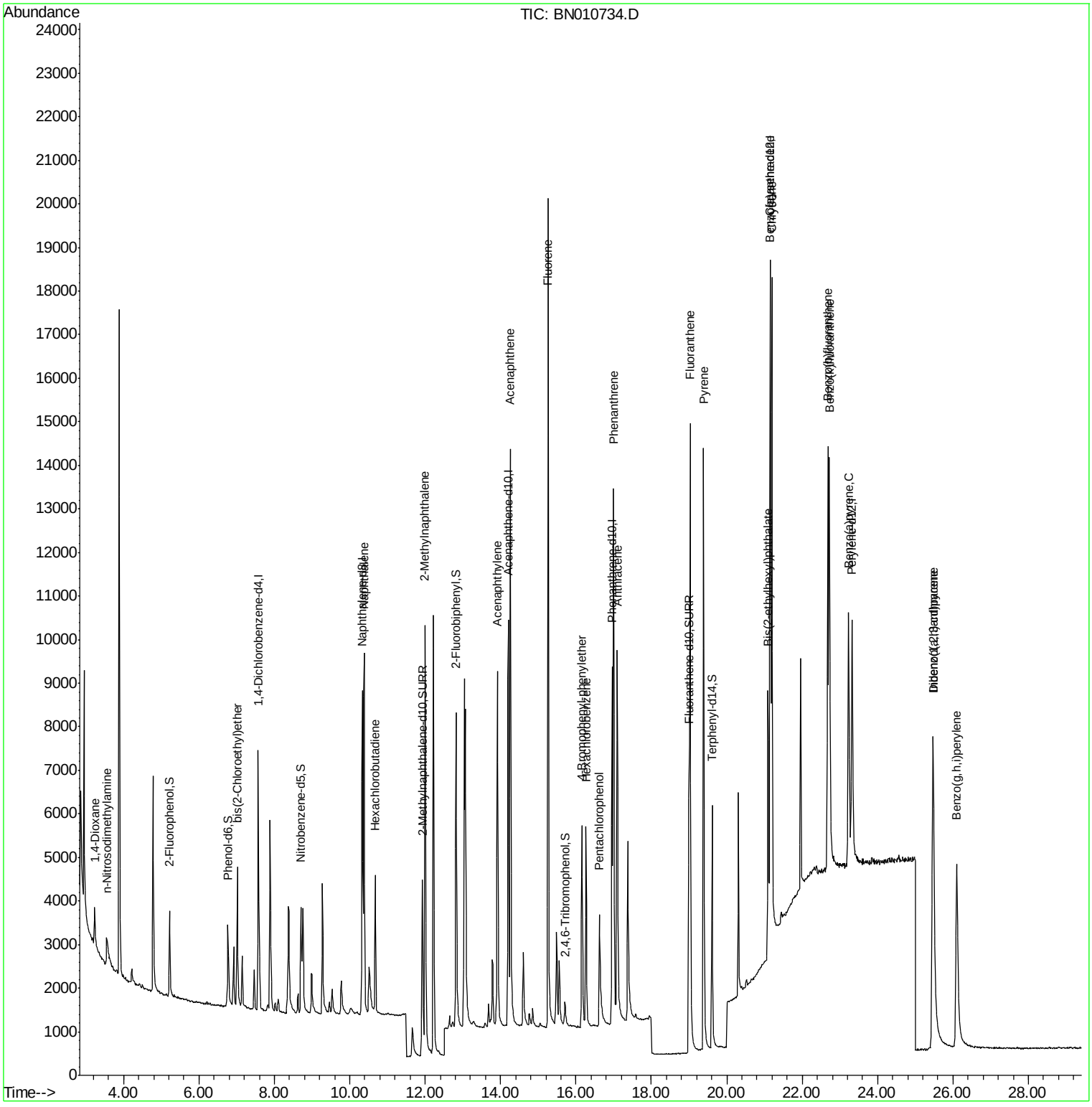
(#) = qualifier out of range (m) = manual integration (+) = signals summed

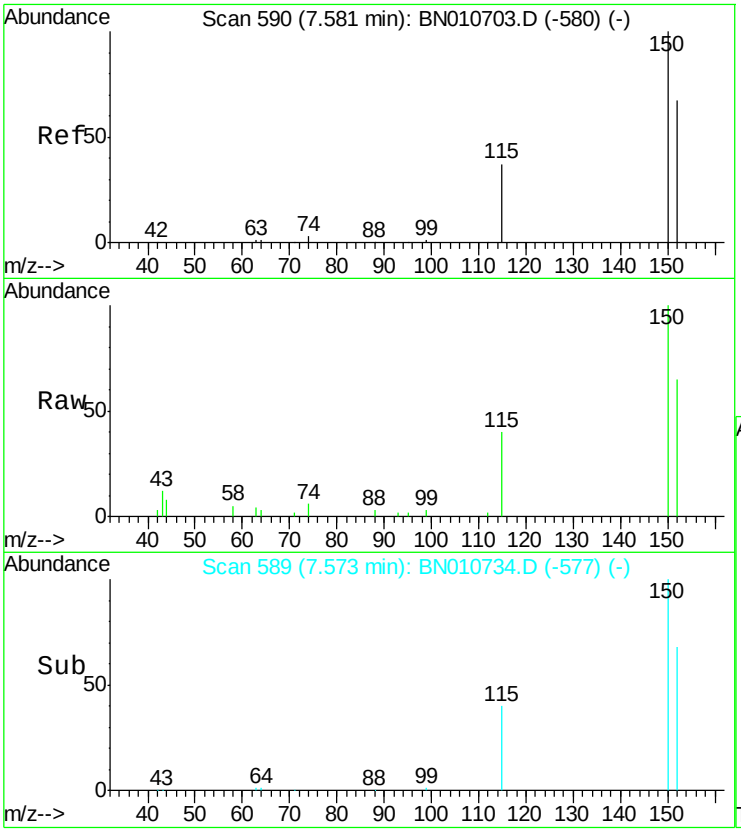
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052120\
Data File : BN010734.D
Acq On : 21 May 2020 19:22
Operator : CG/JU
Sample : PB129048BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB129048BS

Quant Time: May 21 20:00:27 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN051320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 21 16:54:53 2020
Response via : Initial Calibration



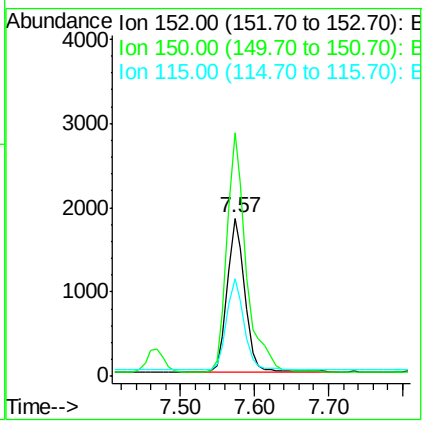


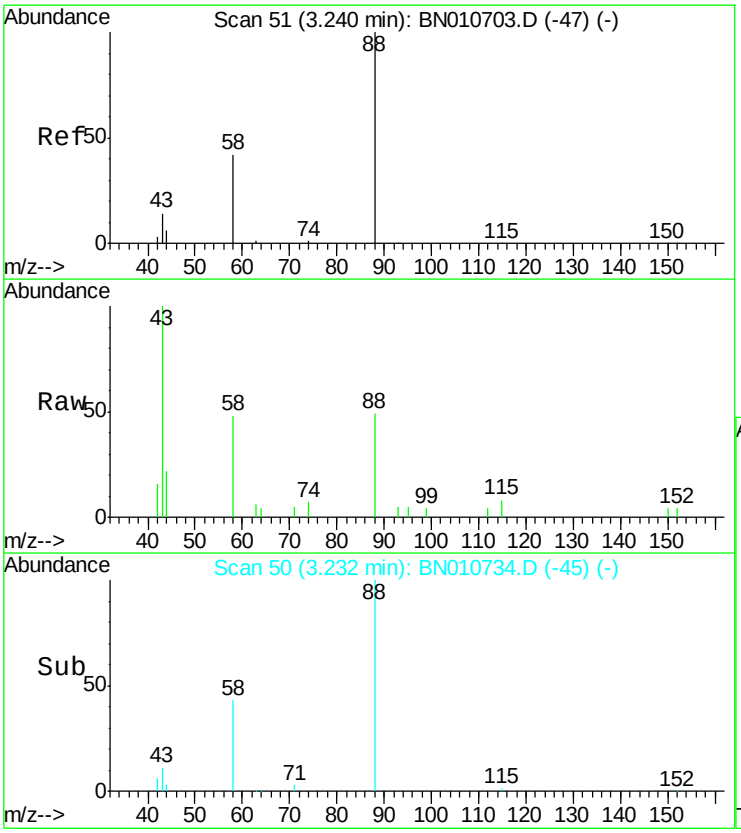
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.57 min Scan# 589
Delta R.T. 0.00 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Instrument :
BNA_N
ClientSampleId :
PB129048BS

Tgt Ion:152 Resp: 2987

Ion	Ratio	Lower	Upper
152	100		
150	154.2	119.4	179.0
115	61.9	45.9	68.9

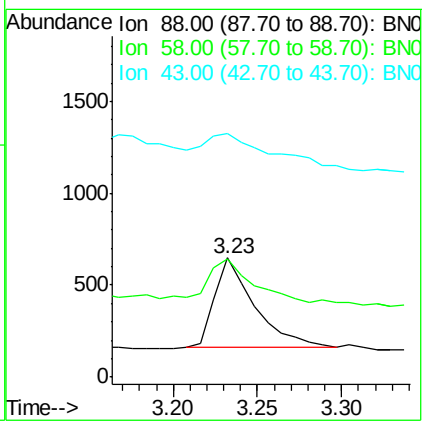


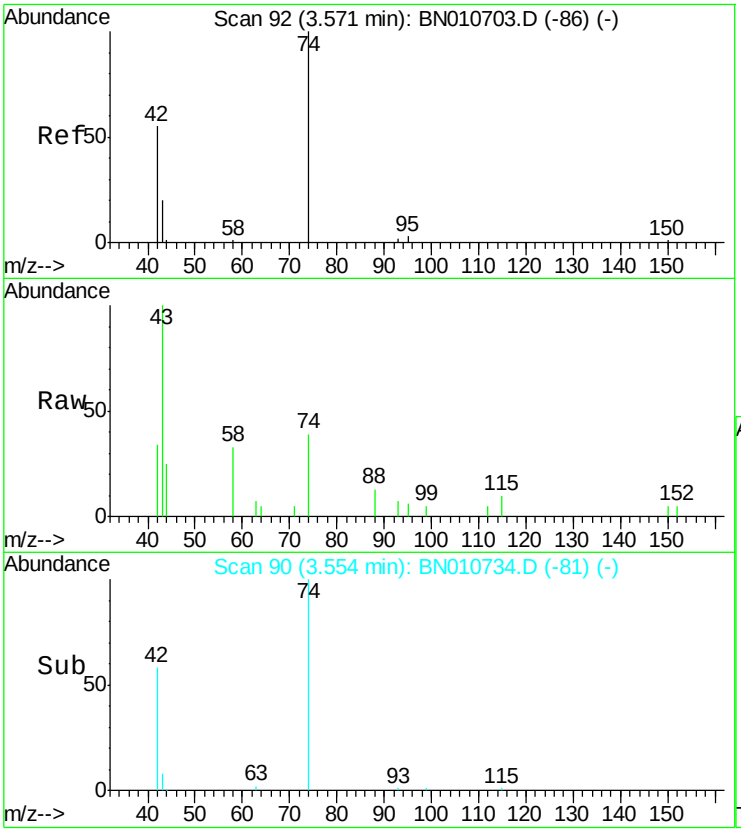


#2
1,4-Dioxane
Concen: 0.32 ng
RT: 3.23 min Scan# 50
Delta R.T. -0.01 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Tgt Ion: 88 Resp: 814

Ion	Ratio	Lower	Upper
88	100		
58	50.4	39.0	58.6
43	67.3	13.1	19.7#



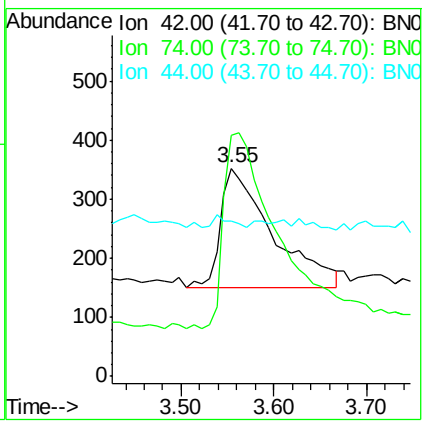


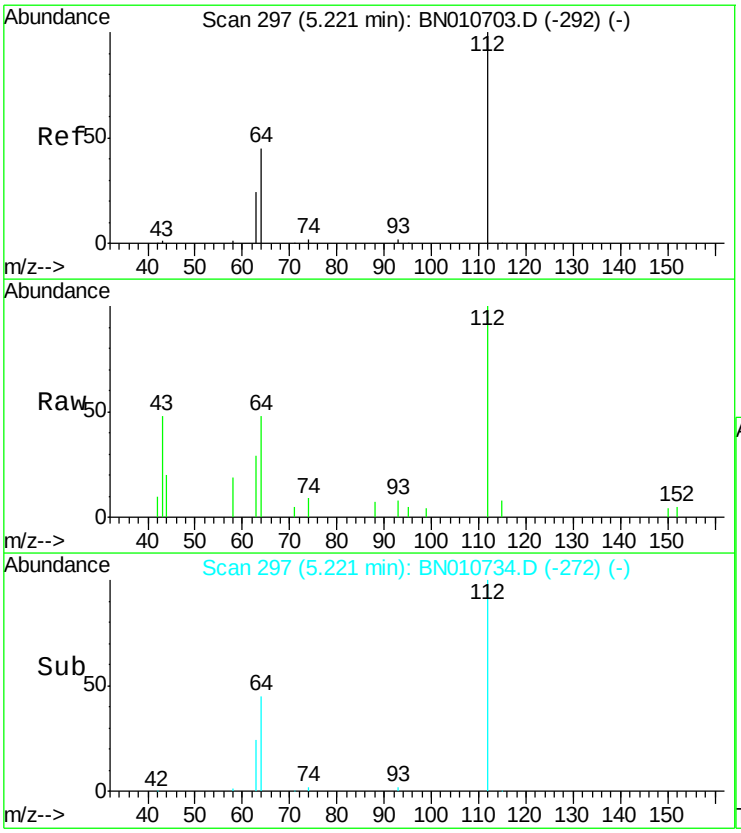
#3
n-Nitrosodimethylamine
Concen: 0.53 ng
RT: 3.55 min Scan# 90
Delta R.T. -0.02 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Instrument :
BNA_N
ClientSampleId :
PB129048BS

Tgt Ion: 42 Resp: 789

Ion	Ratio	Lower	Upper
42	100		
74	172.8	146.2	219.2
44	0.0	3.0	4.4#

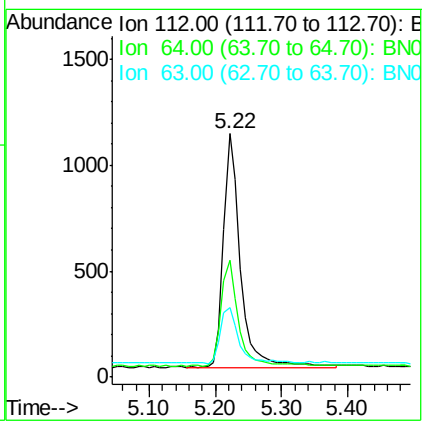


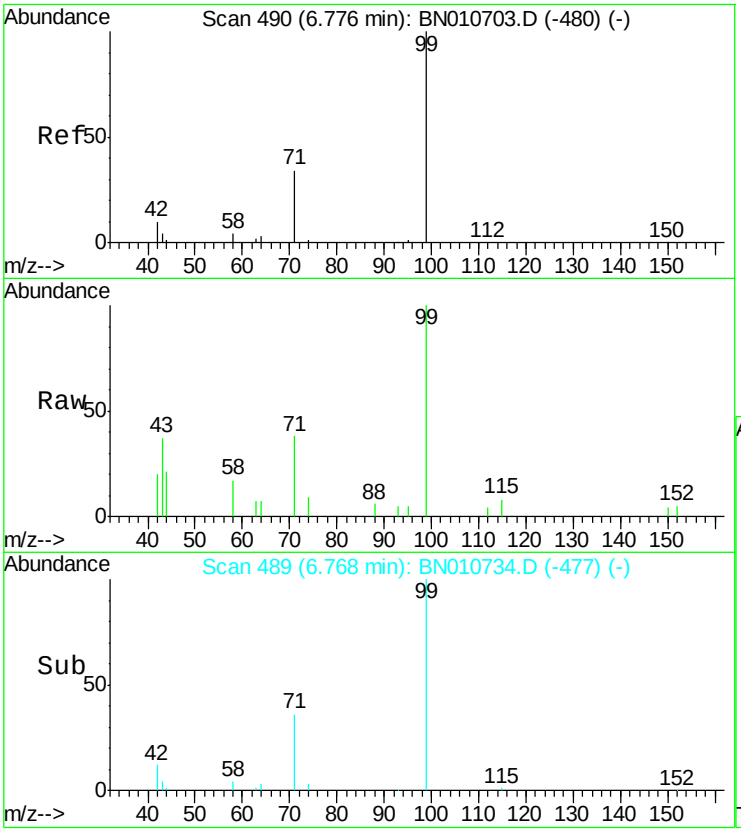


#4
2-Fluorophenol
Concen: 0.33 ng
RT: 5.22 min Scan# 297
Delta R.T. 0.00 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Tgt Ion:112 Resp: 1944

Ion	Ratio	Lower	Upper
112	100		
64	46.0	36.2	54.4
63	26.0	19.8	29.8



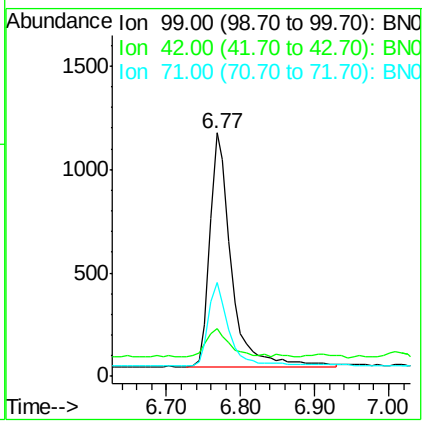


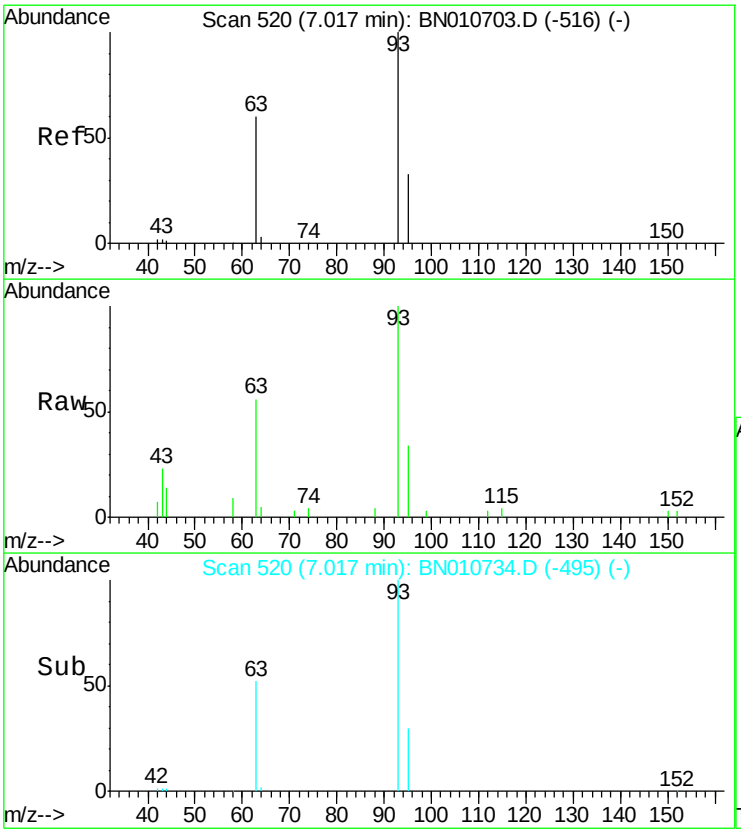
#5
Phenol-d6
Concen: 0.32 ng
RT: 6.77 min Scan# 489
Delta R.T. 0.00 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Instrument :
BNA_N
ClientSampleId :
PB129048BS

Tgt Ion: 99 Resp: 2293

Ion	Ratio	Lower	Upper
99	100		
42	13.0	9.8	14.8
71	35.1	28.6	42.8

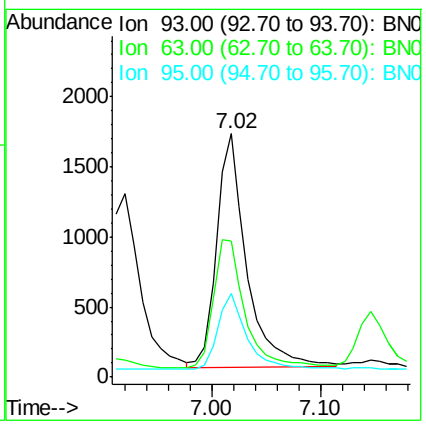


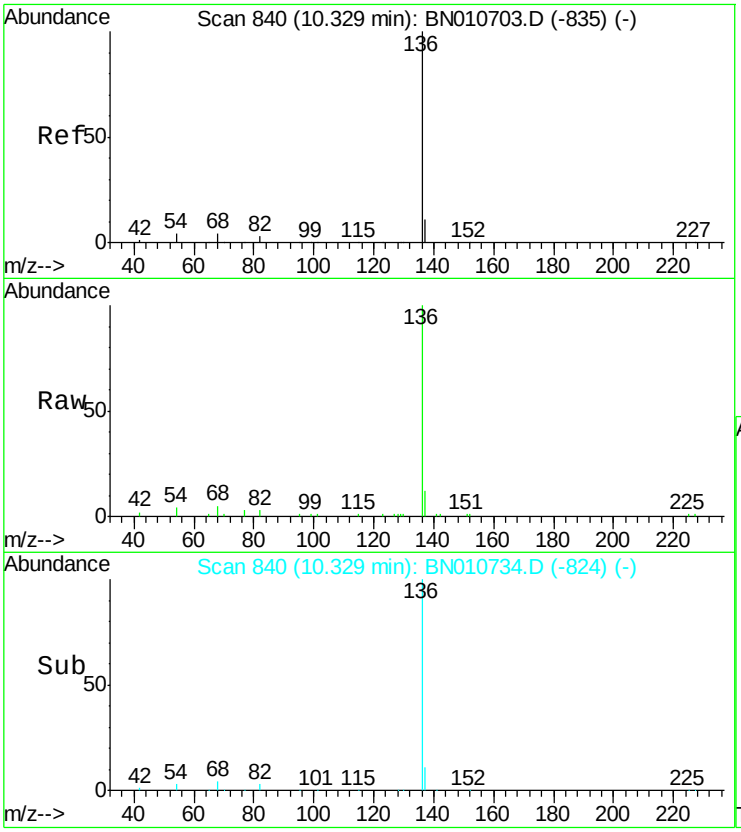


#6
bis(2-Chloroethyl)ether
Concen: 0.44 ng
RT: 7.02 min Scan# 520
Delta R.T. 0.00 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Tgt Ion: 93 Resp: 3215

Ion	Ratio	Lower	Upper
93	100		
63	57.2	43.1	64.7
95	31.9	24.6	37.0



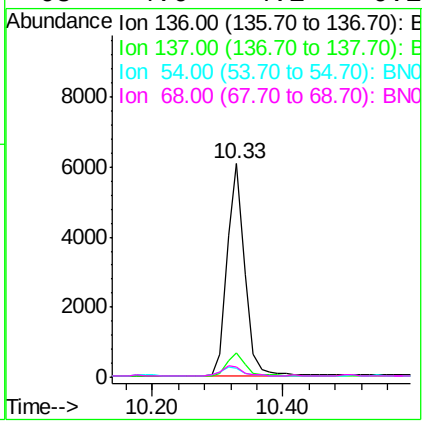


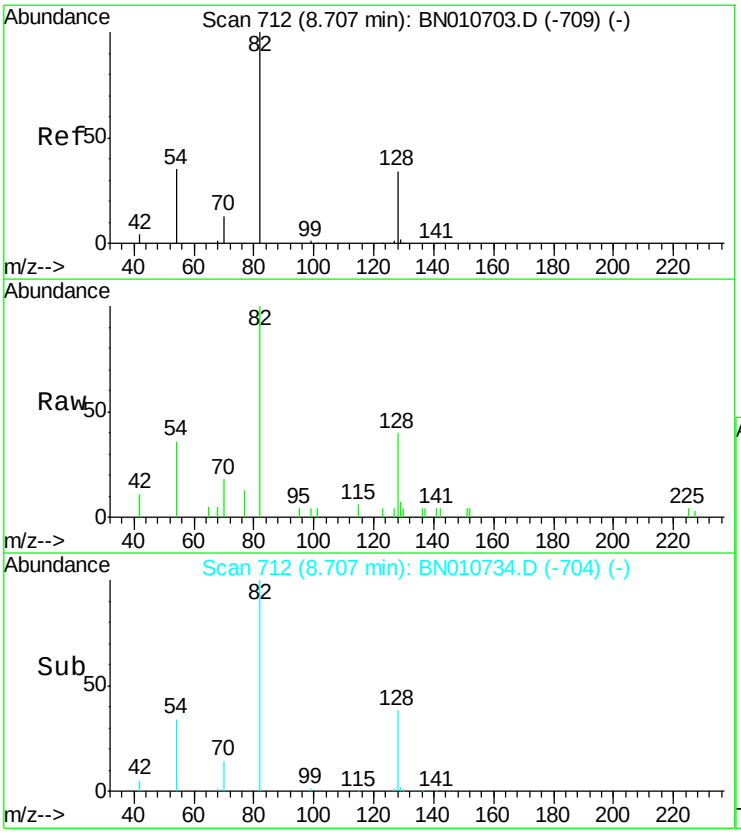
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.33 min Scan# 840
Delta R.T. 0.00 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Instrument :
BNA_N
ClientSampleId :
PB129048BS

Tgt Ion:136 Resp: 11217

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	4.0	3.6	5.4
68	4.6	4.1	6.1

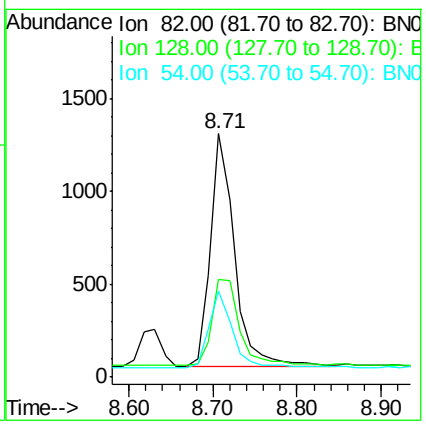


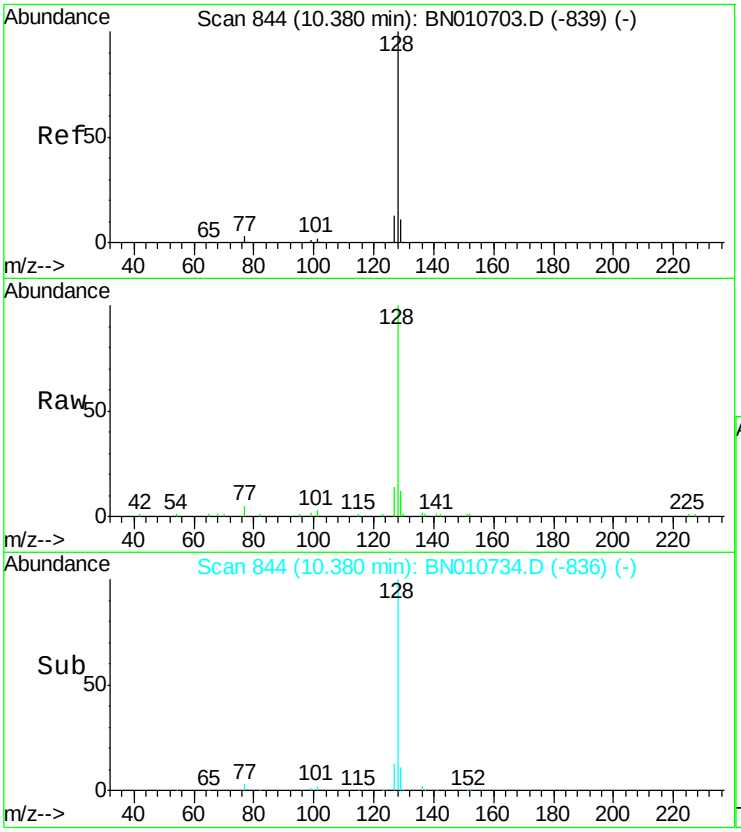


#8
Nitrobenzene-d5
Concen: 0.32 ng
RT: 8.71 min Scan# 712
Delta R.T. 0.00 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Tgt Ion: 82 Resp: 2515

Ion	Ratio	Lower	Upper
82	100		
128	39.9	29.0	43.4
54	35.5	29.3	43.9



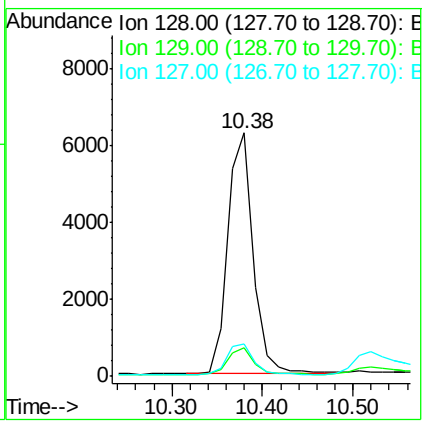


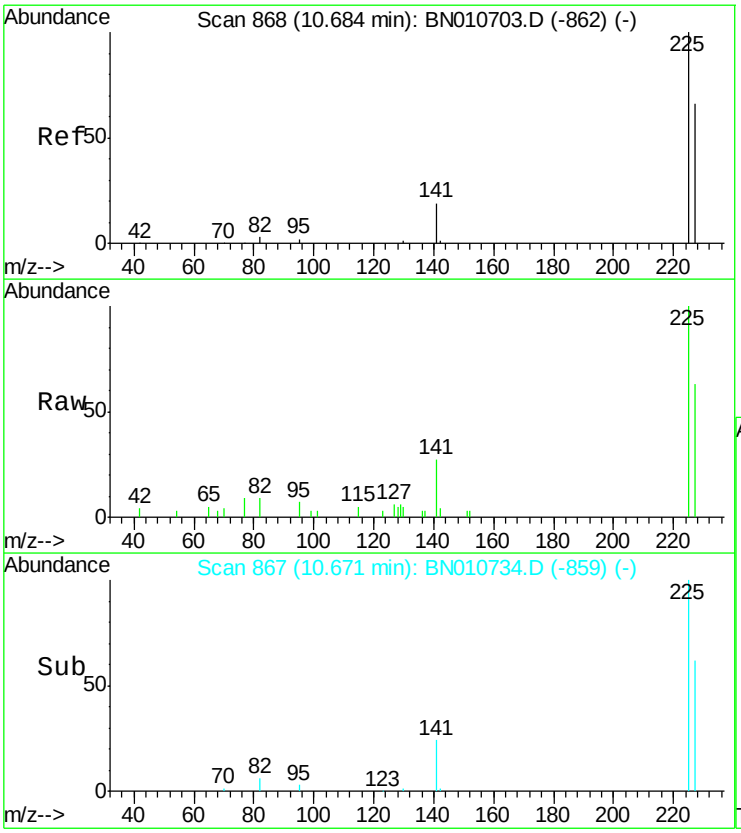
#9
Naphthalene
Concen: 0.43 ng
RT: 10.38 min Scan# 844
Delta R.T. 0.00 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Instrument :
BNA_N
ClientSampleId :
PB129048BS

Tgt Ion:128 Resp: 12146

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.3	13.9
127	13.6	11.0	16.6

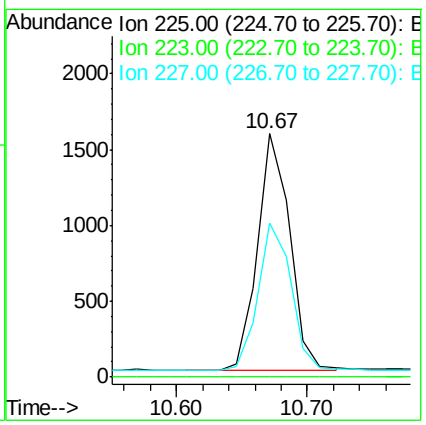


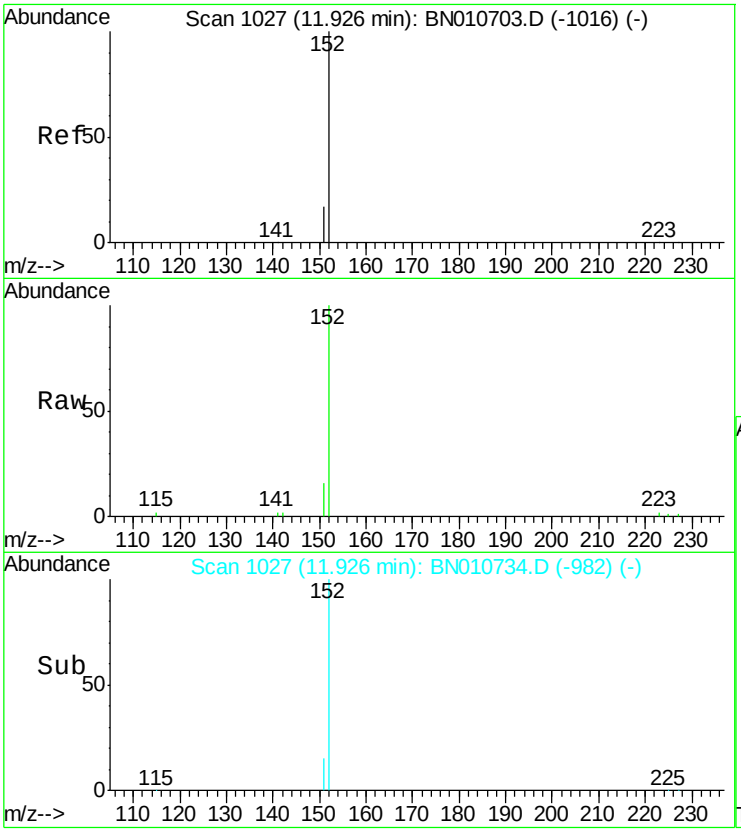


#10
Hexachlorobutadiene
Concen: 0.41 ng
RT: 10.67 min Scan# 867
Delta R.T. 0.00 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Tgt Ion:225 Resp: 2645

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	50.7	76.1



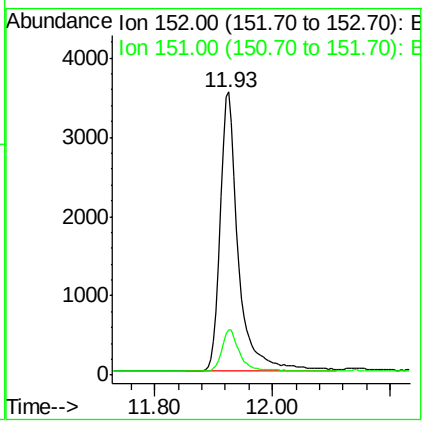


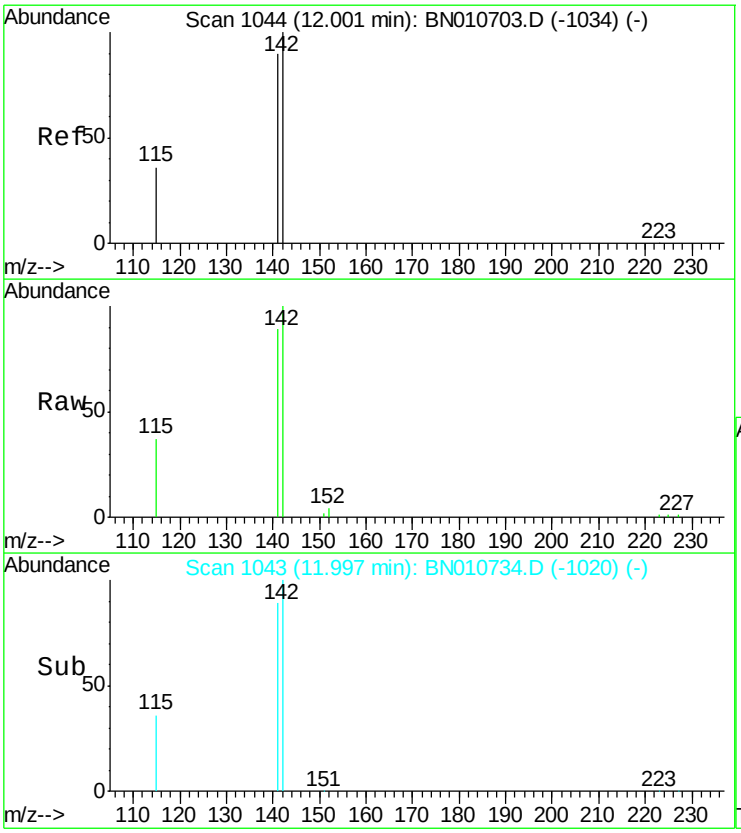
#11
2-Methylnaphthalene-d10
Concen: 0.42 ng
RT: 11.93 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Instrument :
BNA_N
ClientSampleId :
PB129048BS

Tgt Ion:152 Resp: 7721

Ion	Ratio	Lower	Upper
152	100		
151	13.8	15.0	22.6#

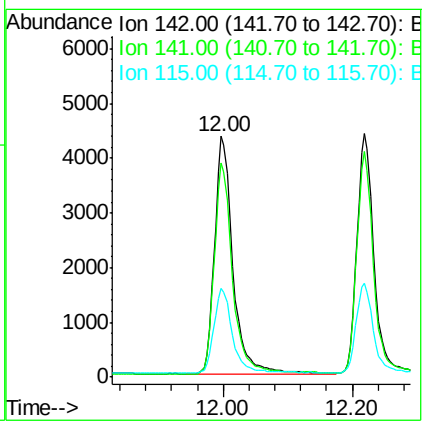


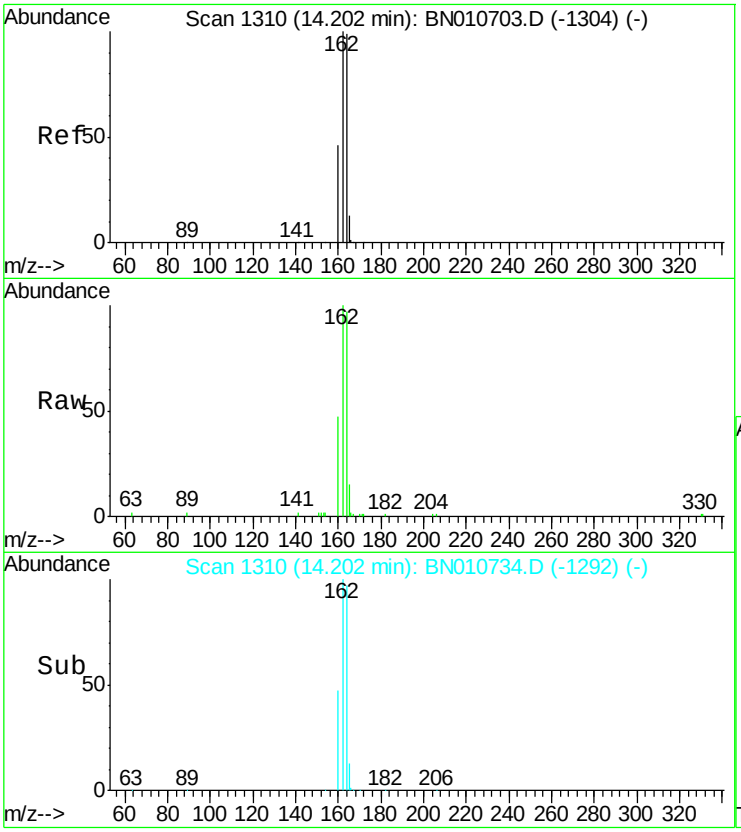


#12
2-Methylnaphthalene
Concen: 0.43 ng
RT: 12.00 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Tgt Ion:142 Resp: 8571

Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.7	107.5
115	37.1	29.8	44.6



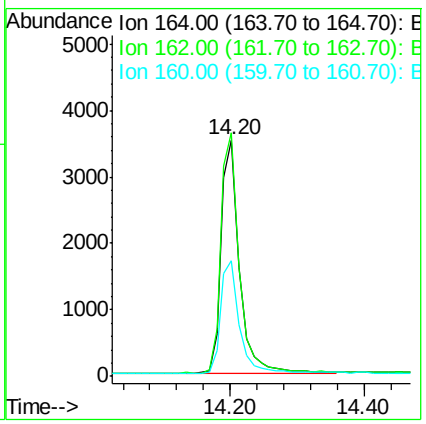


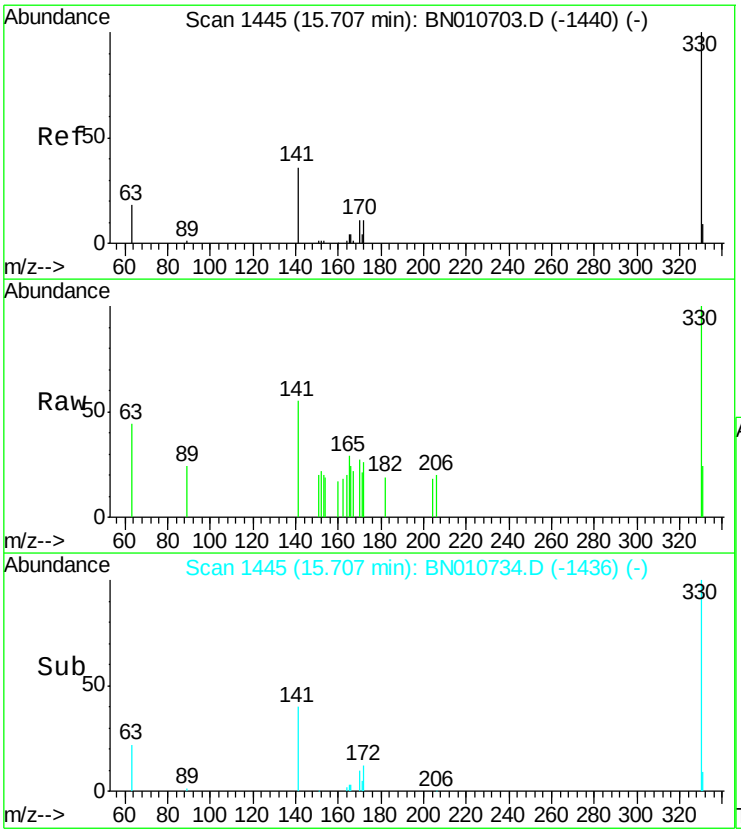
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.20 min Scan# 1310
Delta R.T. 0.00 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Instrument :
BNA_N
ClientSampleId :
PB129048BS

Tgt Ion:164 Resp: 6649

Ion	Ratio	Lower	Upper
164	100		
162	103.1	81.1	121.7
160	48.7	37.9	56.9

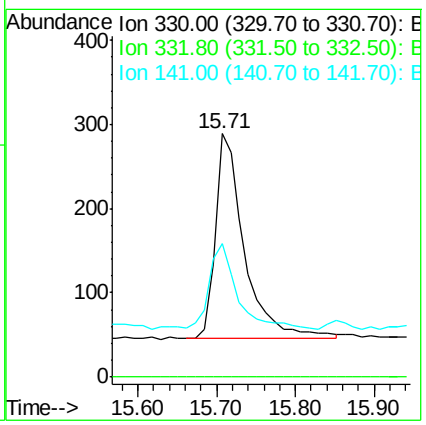


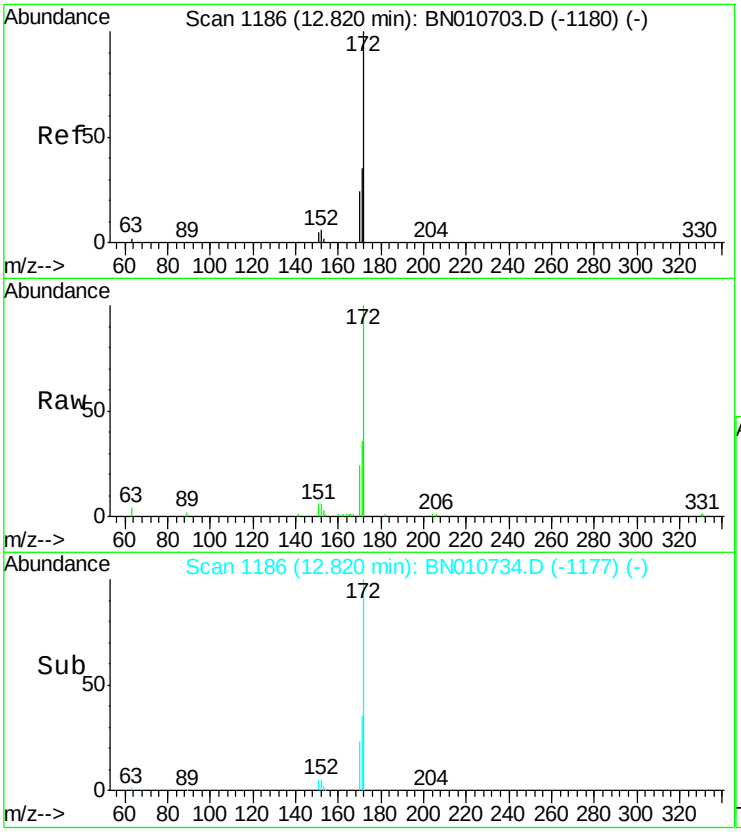


#14
2,4,6-Tribromophenol
Concen: 0.26 ng
RT: 15.71 min Scan# 1445
Delta R.T. 0.00 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Tgt Ion:330 Resp: 622

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	42.1	28.8	43.2



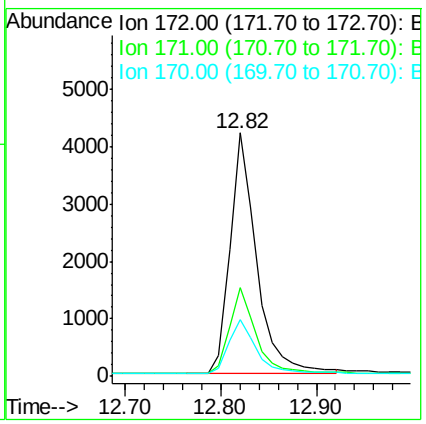


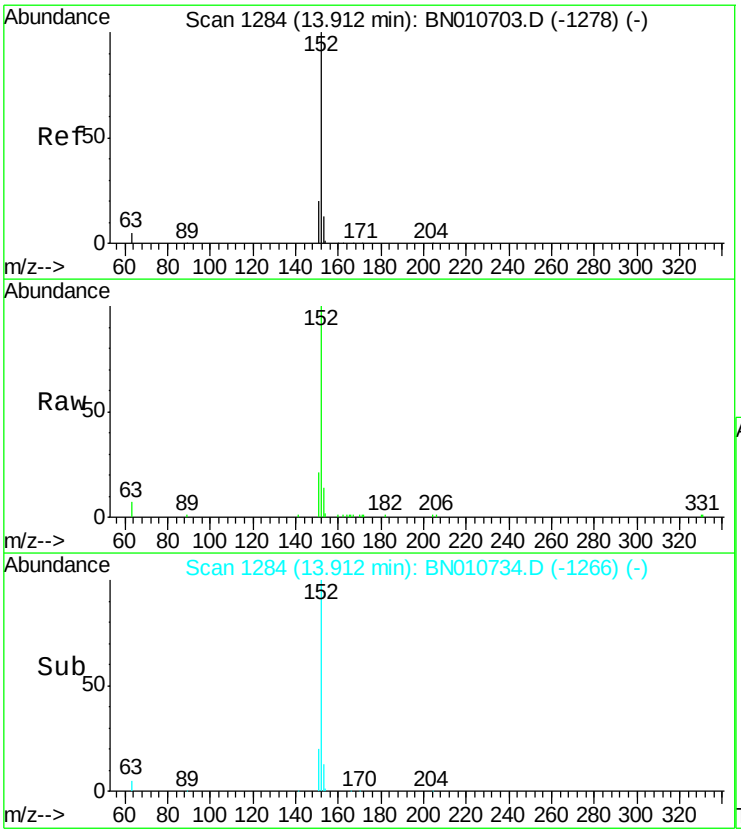
#15
2-Fluorobiphenyl
Concen: 0.33 ng
RT: 12.82 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Instrument :
BNA_N
ClientSampleId :
PB129048BS

Tgt Ion:172 Resp: 8141

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	42.8
170	23.5	19.8	29.8

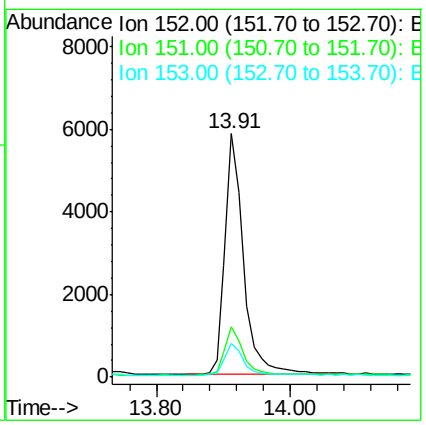


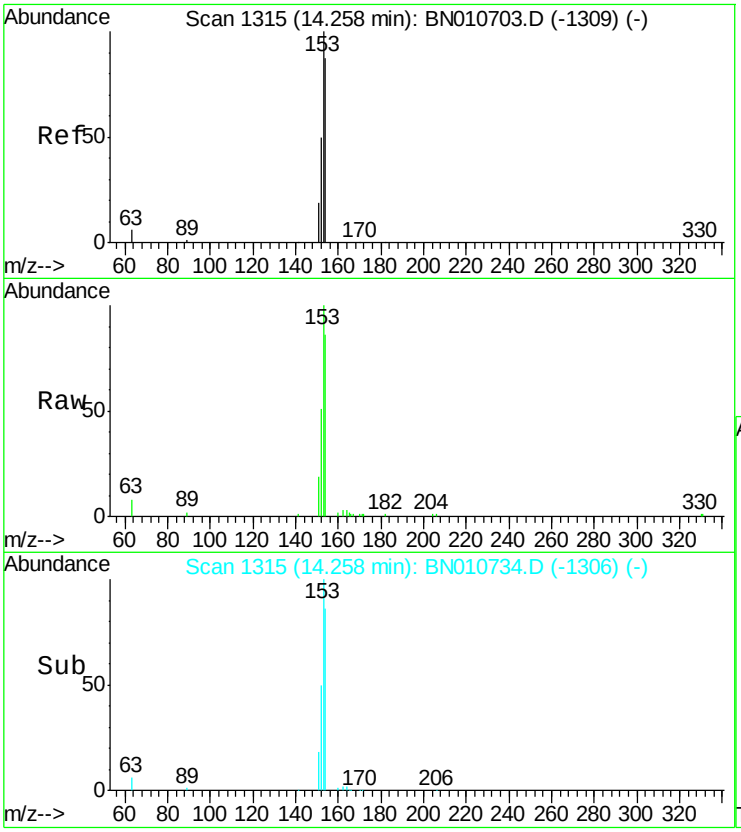


#16
Acenaphthylene
Concen: 0.42 ng
RT: 13.91 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Tgt Ion:152 Resp: 11342

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.6	23.4
153	13.0	10.4	15.6



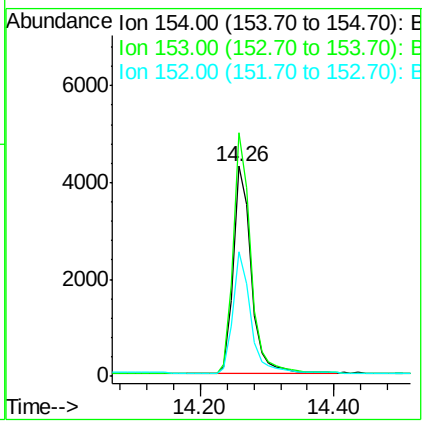


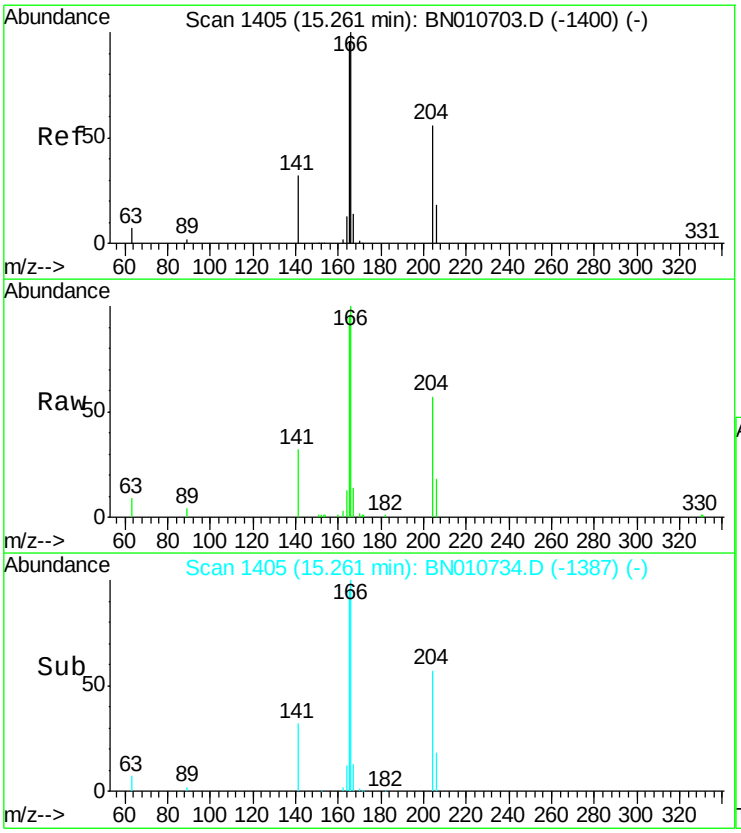
#17
Acenaphthene
Concen: 0.43 ng
RT: 14.26 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Instrument :
BNA_N
ClientSampleId :
PB129048BS

Tgt Ion:154 Resp: 7905

Ion	Ratio	Lower	Upper
154	100		
153	113.8	91.5	137.3
152	56.9	45.6	68.4

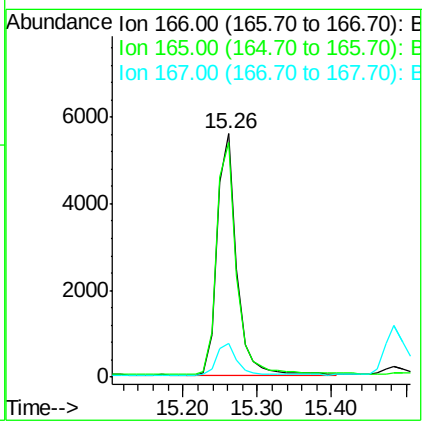


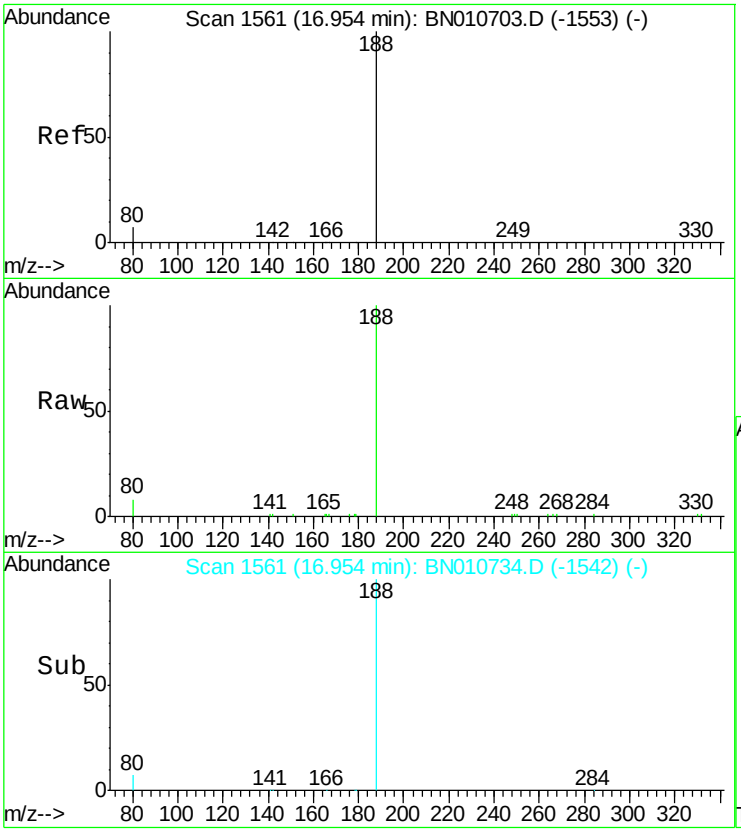


#18
Fluorene
Concen: 0.42 ng
RT: 15.26 min Scan# 1405
Delta R.T. 0.00 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Tgt Ion:166 Resp: 10086

Ion	Ratio	Lower	Upper
166	100		
165	98.3	77.9	116.9
167	13.6	11.0	16.4



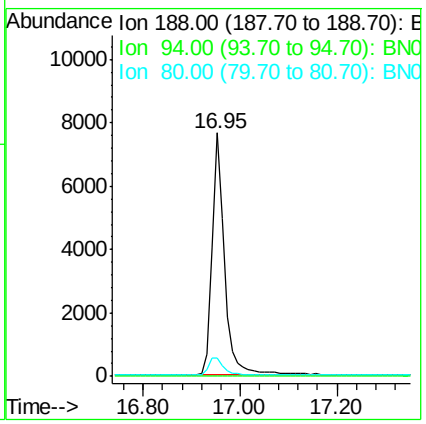


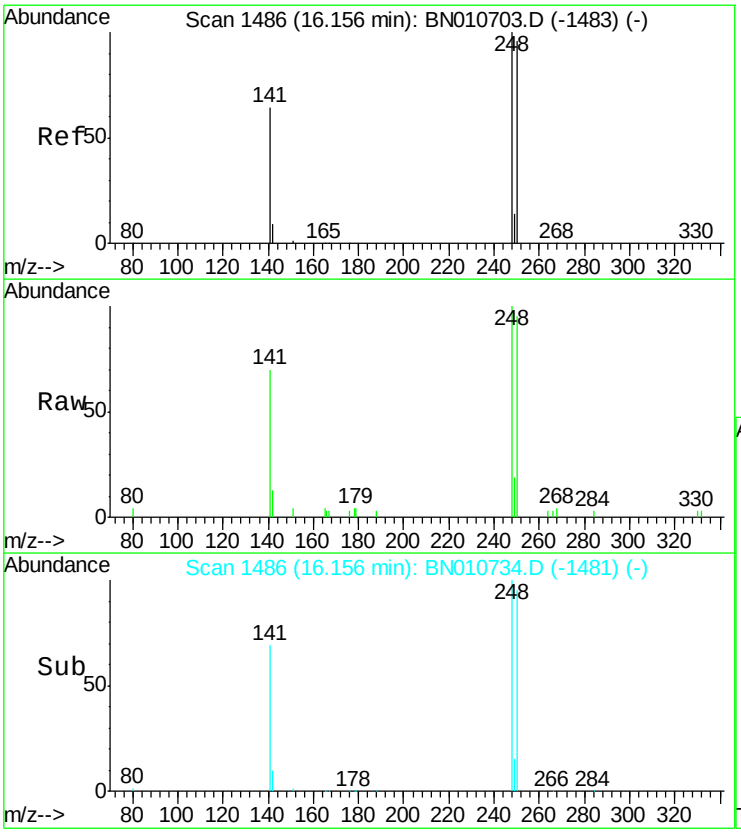
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 16.95 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Instrument :
BNA_N
ClientSampleId :
PB129048BS

Tgt Ion:188 Resp: 13652

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.8	6.3	9.5

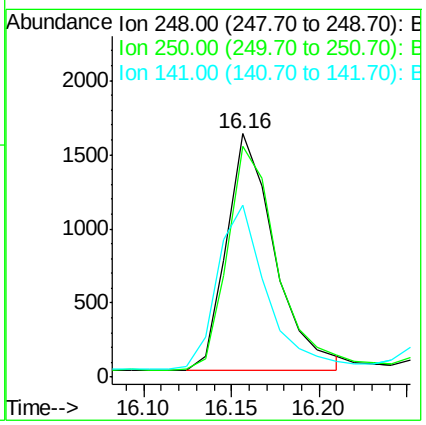


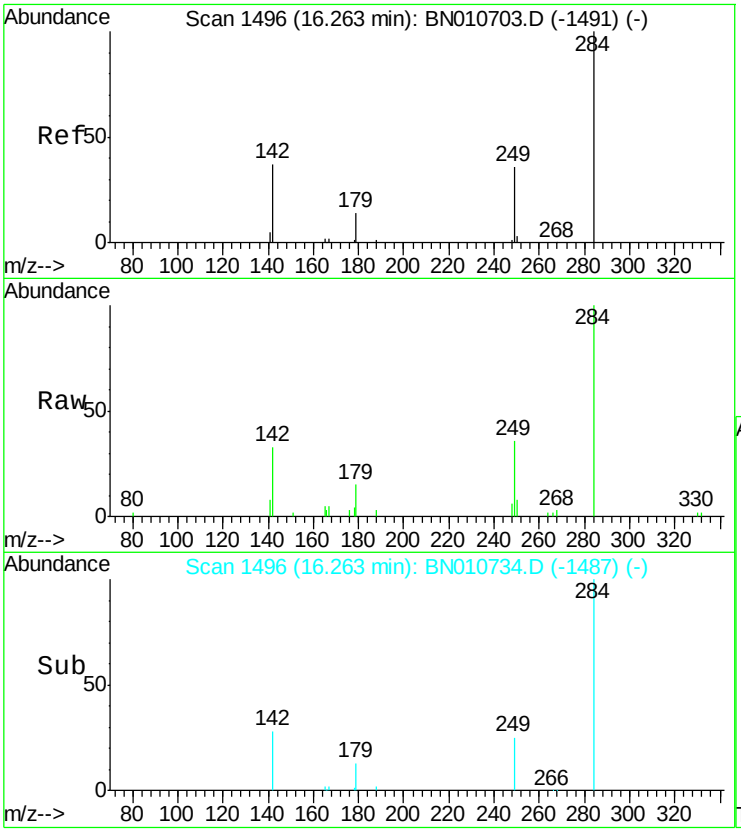


#20
4-Bromophenyl-phenylether
Concen: 0.40 ng
RT: 16.16 min Scan# 1486
Delta R.T. 0.00 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Tgt Ion:248 Resp: 3029

Ion	Ratio	Lower	Upper
248	100		
250	94.9	77.4	116.0
141	70.5	53.1	79.7



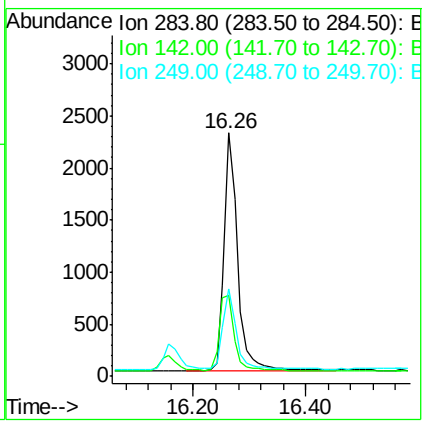


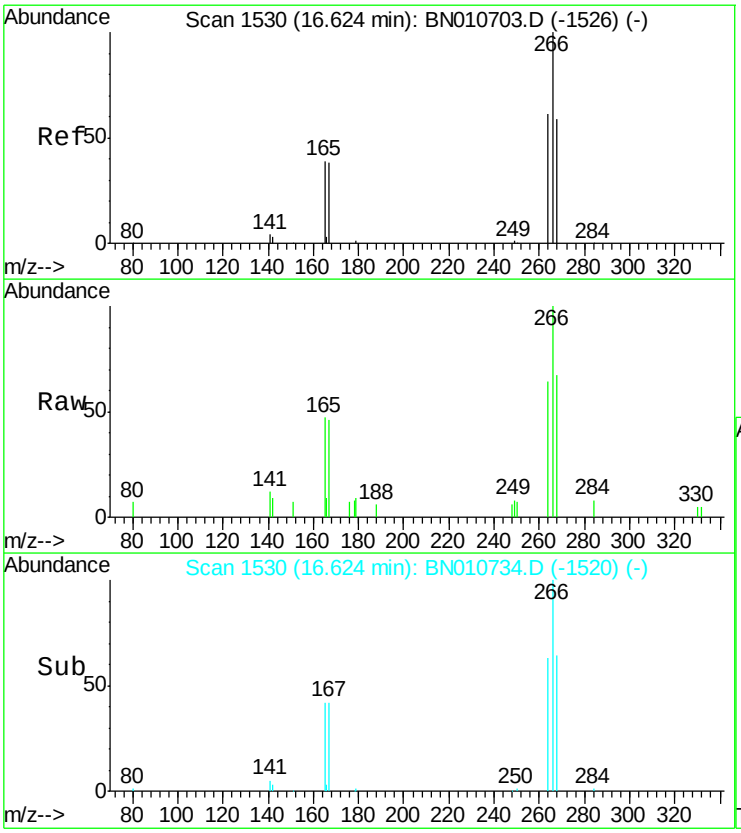
#21
Hexachlorobenzene
Concen: 0.43 ng
RT: 16.26 min Scan# 1496
Delta R.T. 0.00 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Instrument :
BNA_N
ClientSampleId :
PB129048BS

Tgt Ion:284 Resp: 3831

Ion	Ratio	Lower	Upper
284	100		
142	35.1	28.2	42.2
249	32.3	26.4	39.6

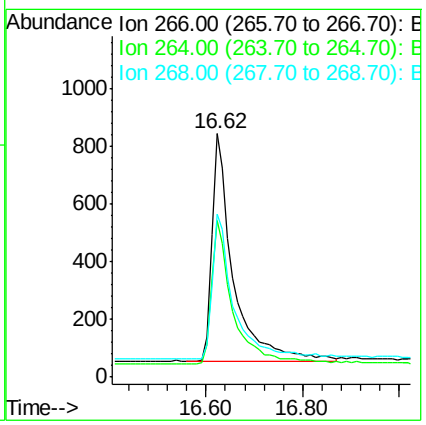


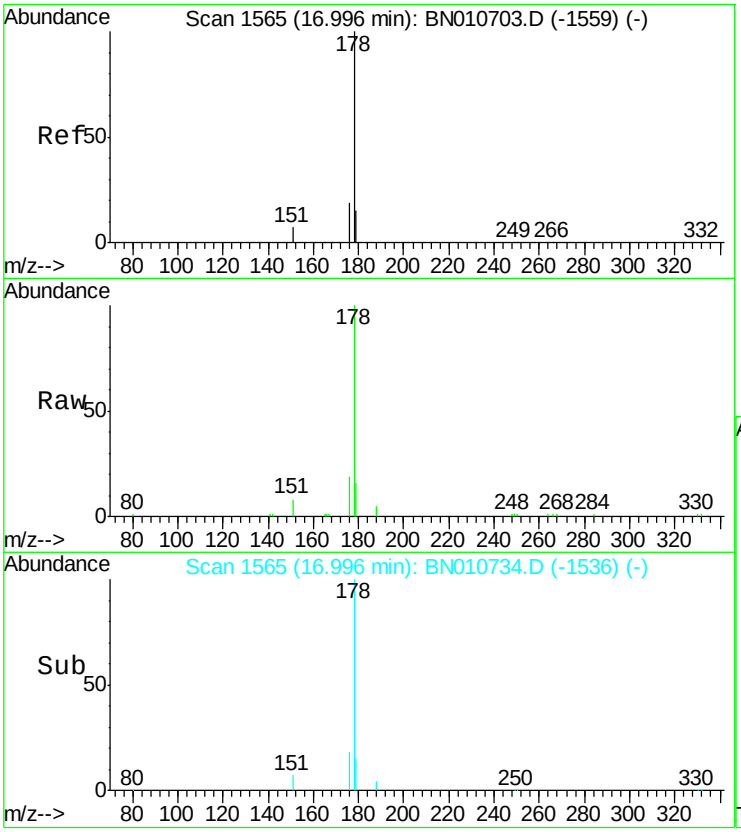


#22
Pentachlorophenol
Concen: 0.87 ng
RT: 16.62 min Scan# 1530
Delta R.T. 0.01 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Tgt Ion:266 Resp: 2418

Ion	Ratio	Lower	Upper
266	100		
264	64.1	51.1	76.7
268	67.0	52.1	78.1



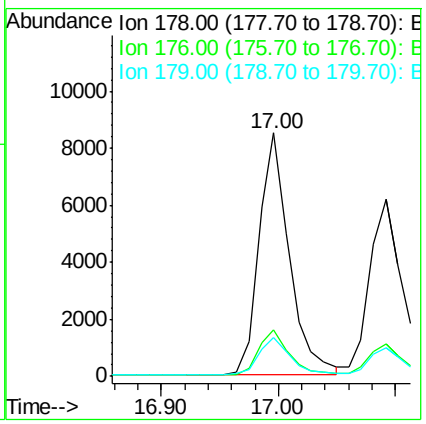


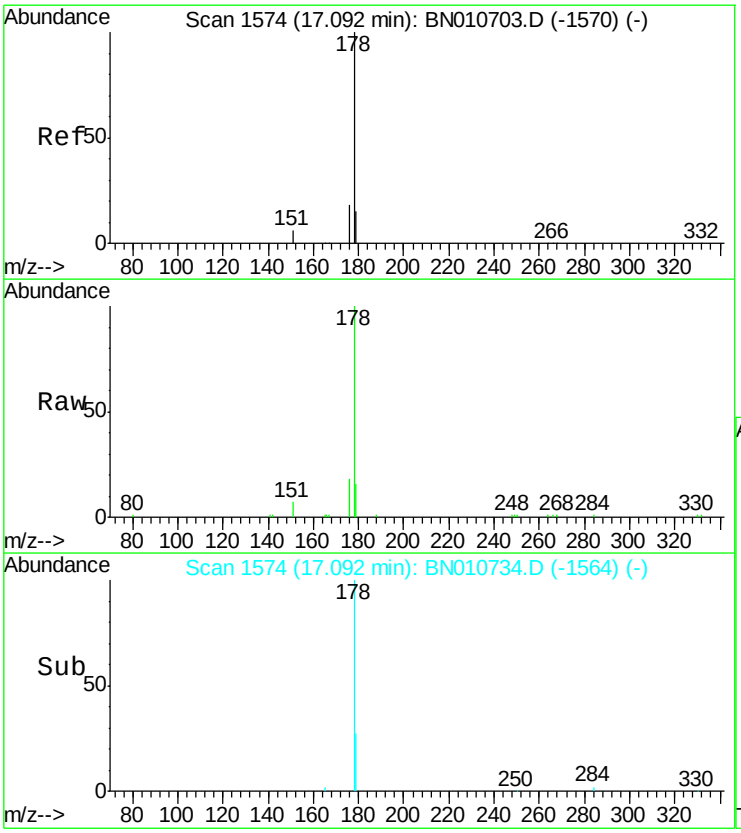
#23
Phenanthrene
Concen: 0.42 ng
RT: 17.00 min Scan# 1565
Delta R.T. 0.01 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Instrument :
BNA_N
ClientSampleId :
PB129048BS

Tgt Ion:178 Resp: 15217

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.6	12.2	18.4

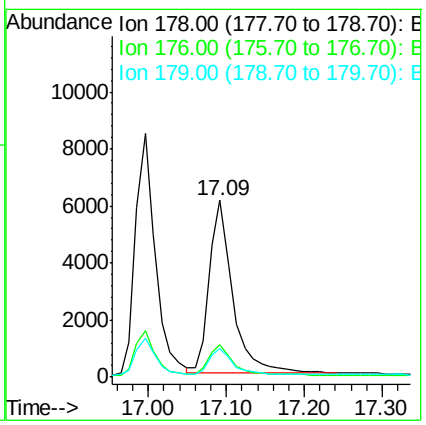


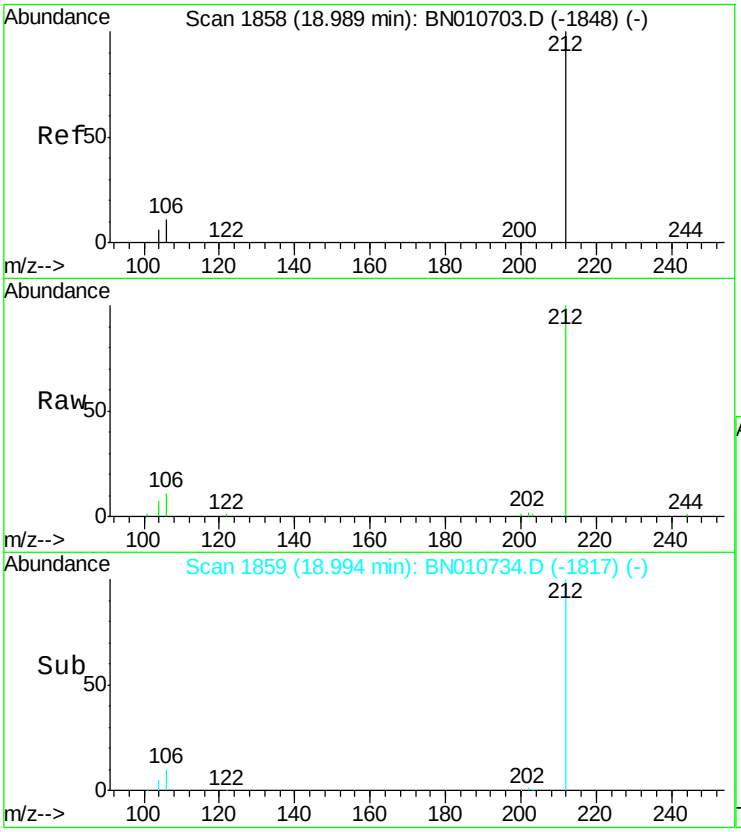


#24
Anthracene
Concen: 0.41 ng
RT: 17.09 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Tgt Ion:178 Resp: 12481

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.7	22.1
179	15.1	12.3	18.5



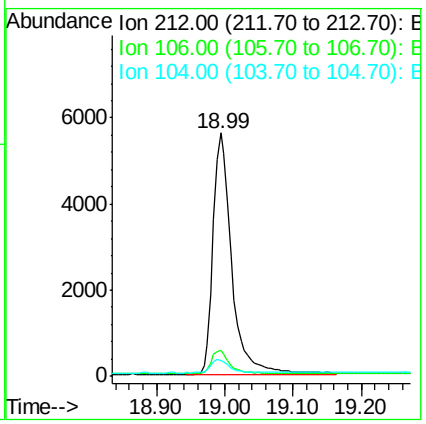


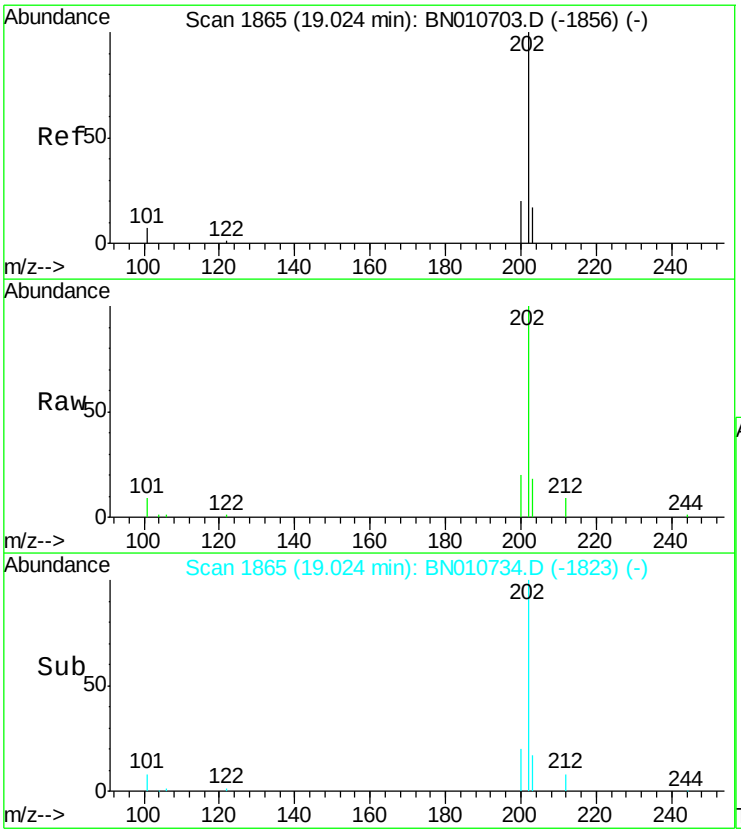
#25
Fluoranthene-d10
Concen: 0.29 ng
RT: 18.99 min Scan# 1859
Delta R.T. 0.01 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Instrument :
BNA_N
ClientSampleId :
PB129048BS

Tgt Ion:212 Resp: 10665

Ion	Ratio	Lower	Upper
212	100		
106	9.8	8.2	12.2
104	5.6	4.7	7.1

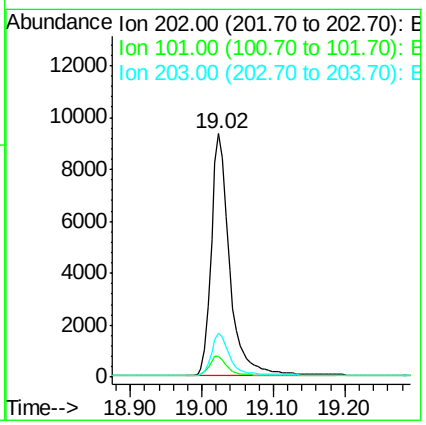


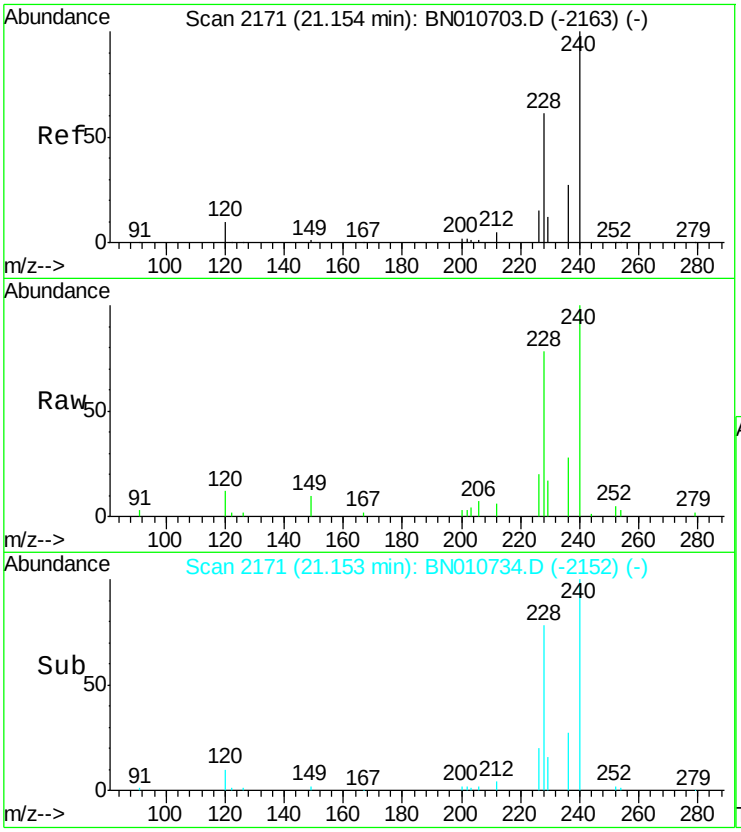


#26
Fluoranthene
Concen: 0.40 ng
RT: 19.02 min Scan# 1865
Delta R.T. 0.01 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Tgt Ion:202 Resp: 16651

Ion	Ratio	Lower	Upper
202	100		
101	8.4	6.7	10.1
203	17.4	13.4	20.0



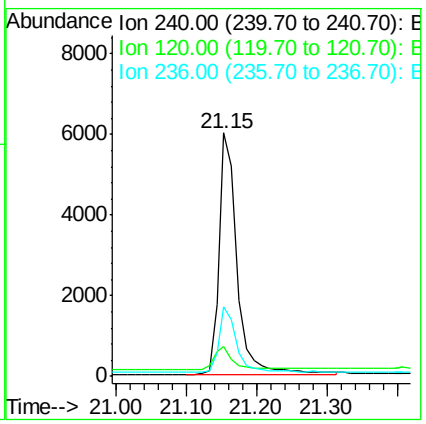


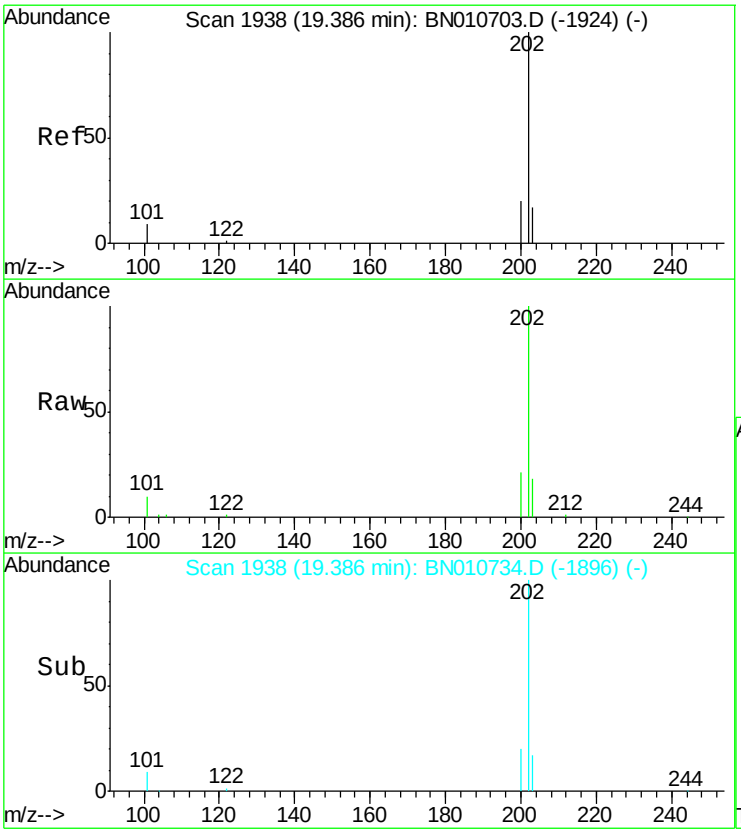
#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.15 min Scan# 2171
Delta R.T. 0.00 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Instrument :
BNA_N
ClientSampleId :
PB129048BS

Tgt Ion:240 Resp: 10675

Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.5	14.3
236	28.3	22.5	33.7

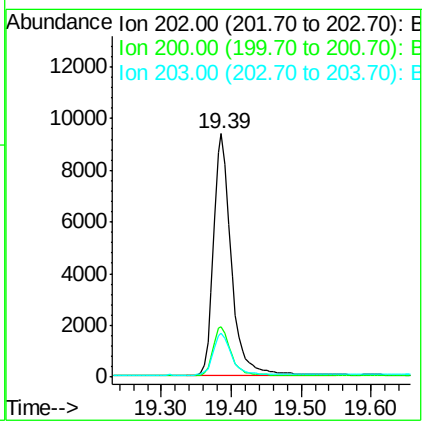


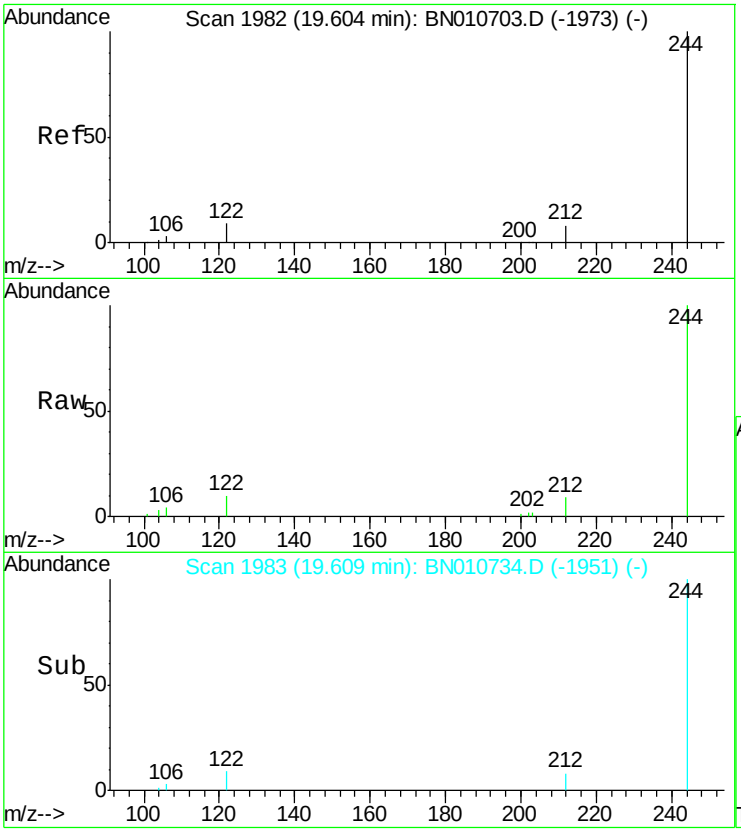


#28
Pyrene
Concen: 0.43 ng
RT: 19.39 min Scan# 1938
Delta R.T. 0.01 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Tgt Ion:202 Resp: 16537

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.2	24.4
203	18.0	14.1	21.1



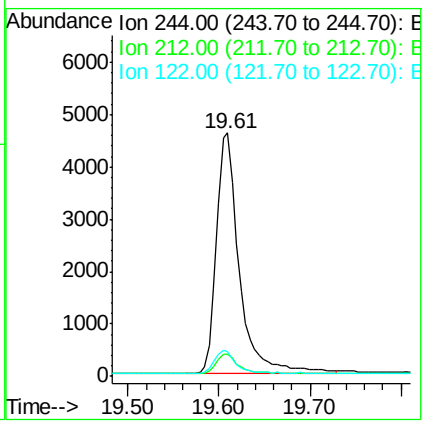


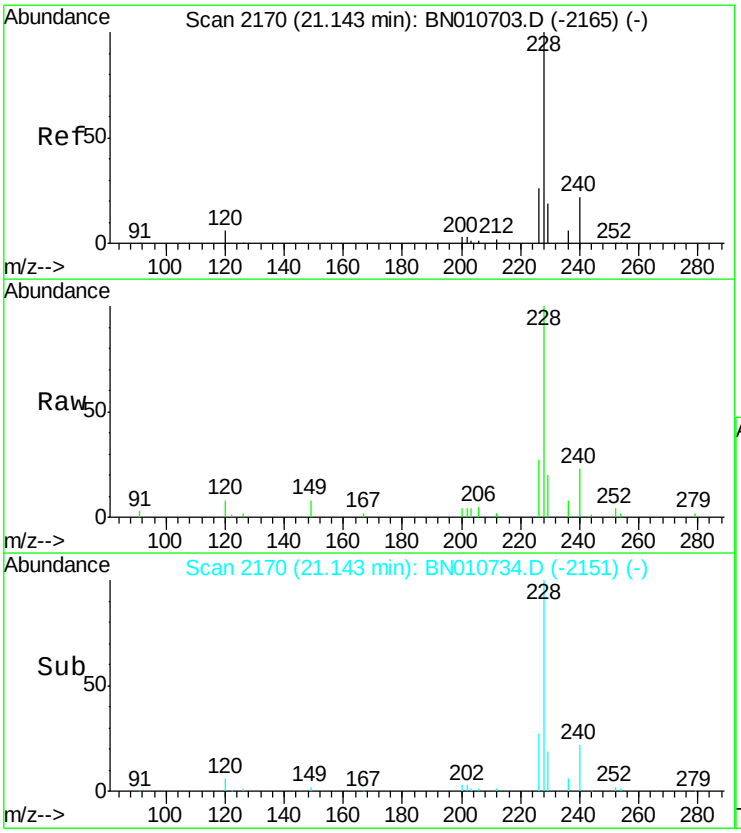
#29
Terphenyl-d14
Concen: 0.32 ng
RT: 19.61 min Scan# 1983
Delta R.T. 0.01 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Instrument :
BNA_N
ClientSampleId :
PB129048BS

Tgt Ion:244 Resp: 8053

Ion	Ratio	Lower	Upper
244	100		
212	9.0	6.8	10.2
122	10.0	8.1	12.1

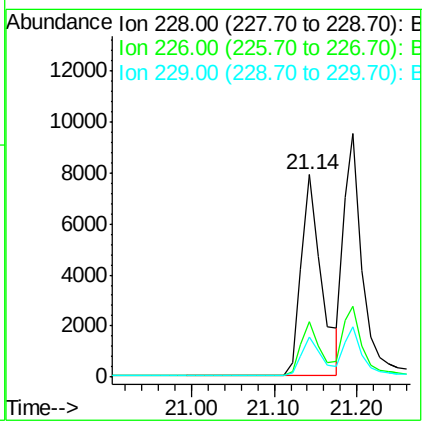


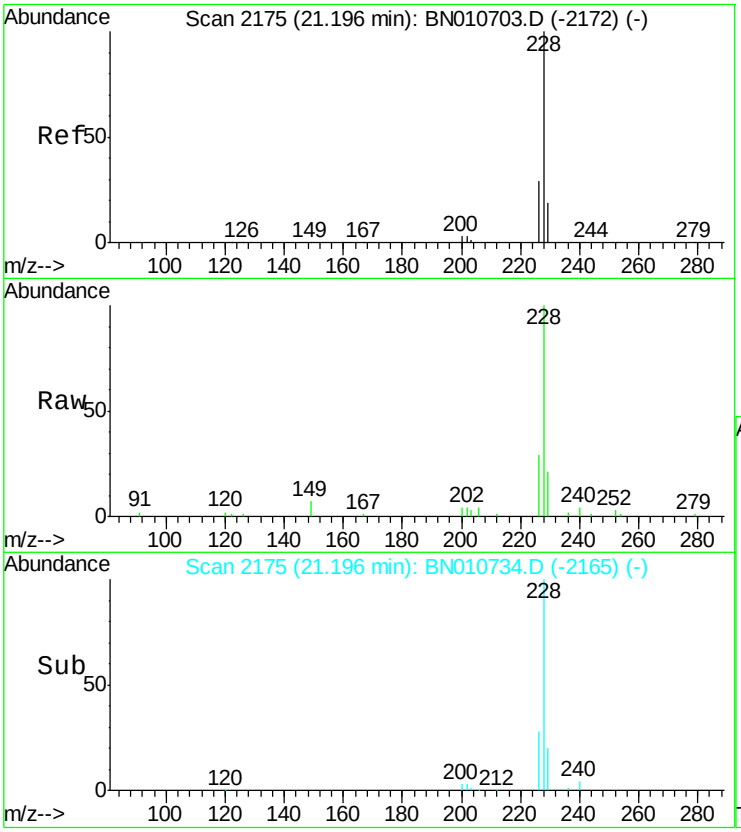


#30
Benzo(a)anthracene
Concen: 0.43 ng
RT: 21.14 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Tgt Ion:228 Resp: 13407

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.3	31.9
229	19.9	16.0	24.0



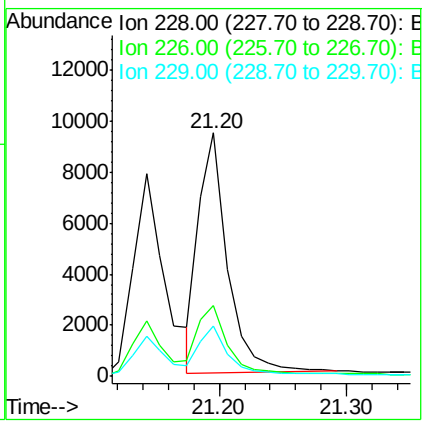


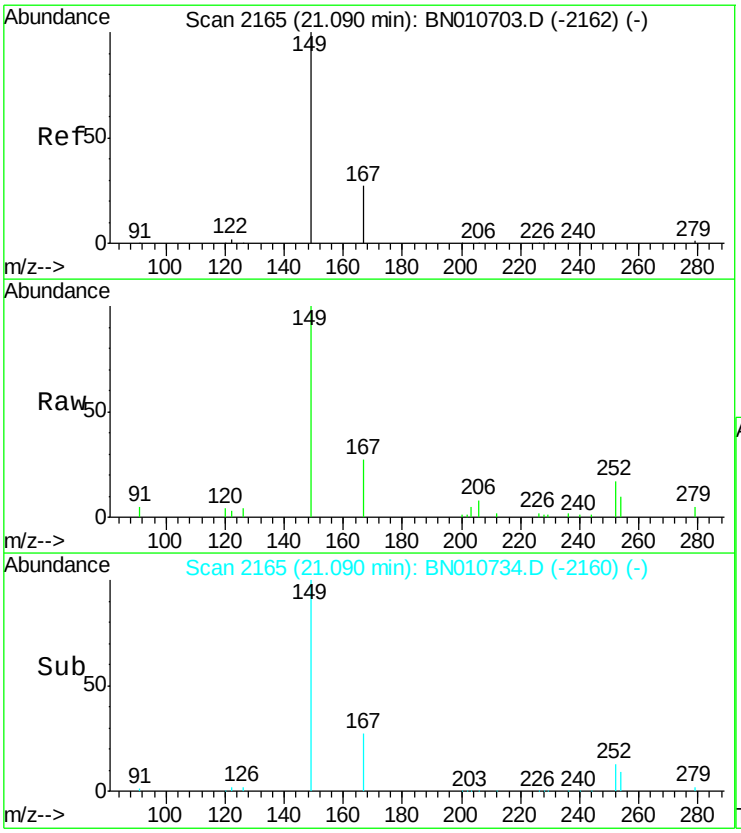
#31
Chrysene
Concen: 0.42 ng
RT: 21.20 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Instrument :
BNA_N
ClientSampleId :
PB129048BS

Tgt Ion:228 Resp: 14719

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.4	35.0
229	20.5	16.1	24.1

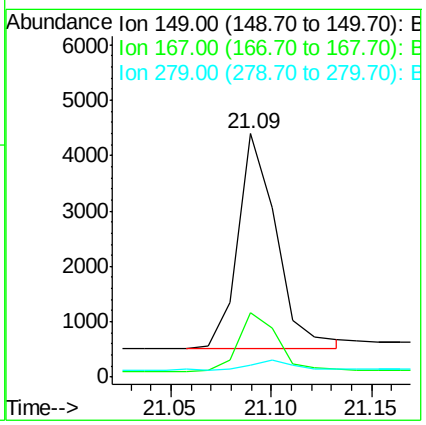


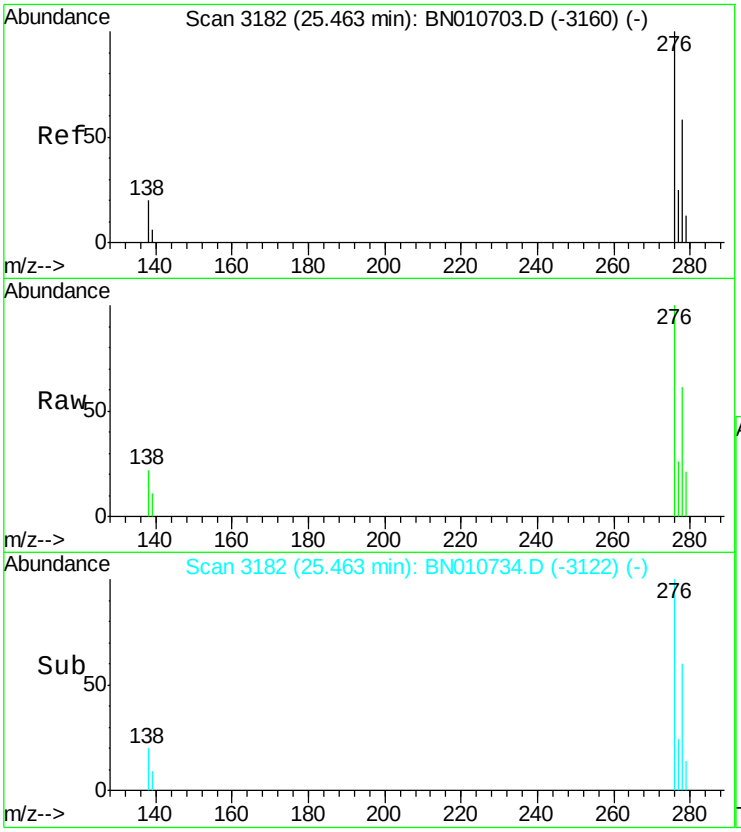


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.38 ng
RT: 21.09 min Scan# 2165
Delta R.T. 0.00 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Tgt Ion:149 Resp: 5167

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.5	33.7
279	5.1	4.1	6.1



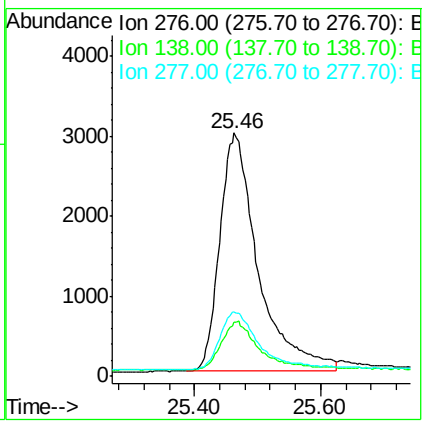


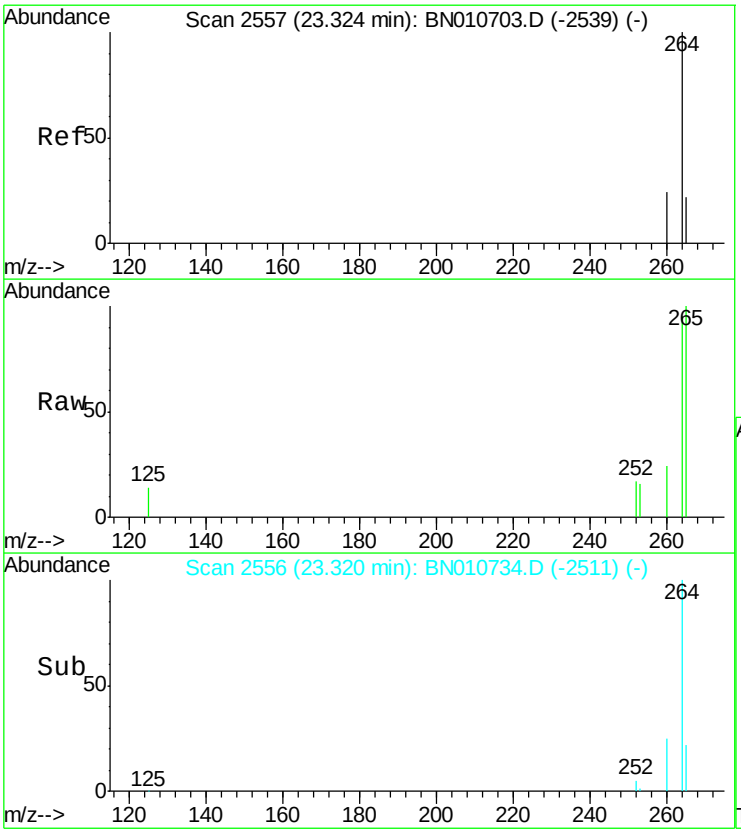
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.40 ng
RT: 25.46 min Scan# 3182
Delta R.T. 0.01 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Instrument :
BNA_N
ClientSampleId :
PB129048BS

Tgt Ion:276 Resp: 12593

Ion	Ratio	Lower	Upper
276	100		
138	18.8	15.1	22.7
277	24.8	19.4	29.0

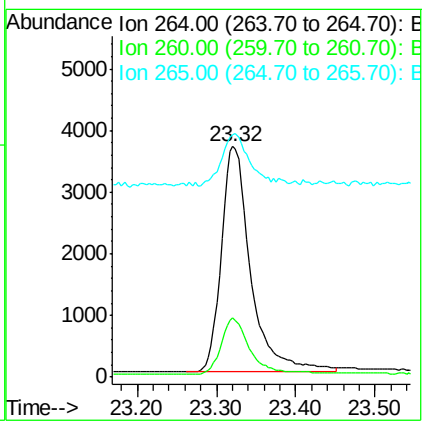


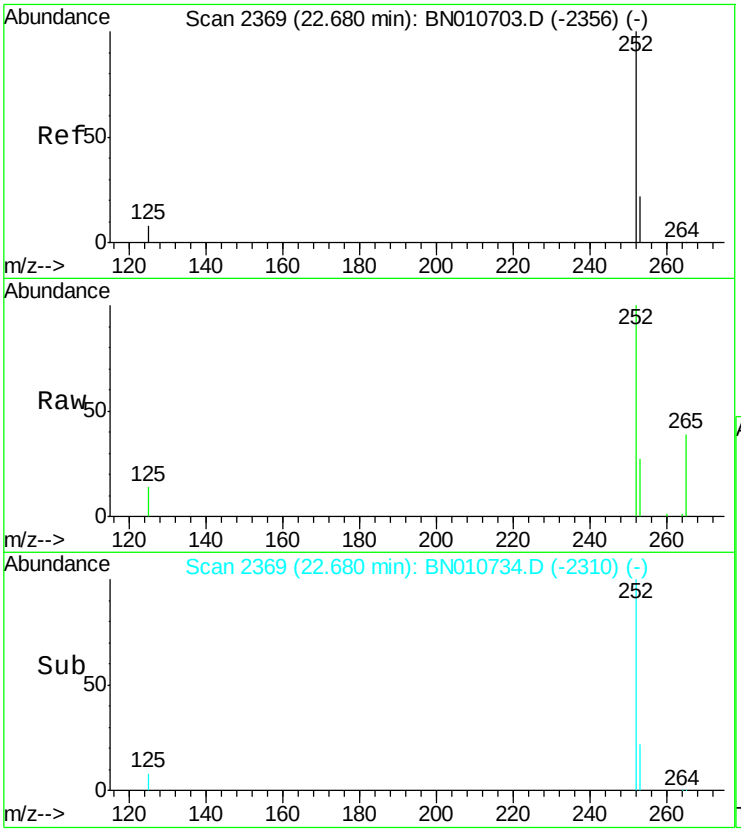


#34
Perylene-d12
Concen: 0.40 ng
RT: 23.32 min Scan# 2556
Delta R.T. 0.00 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Tgt Ion:264 Resp: 9388

Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.6	29.4
265	104.9	70.1	105.1



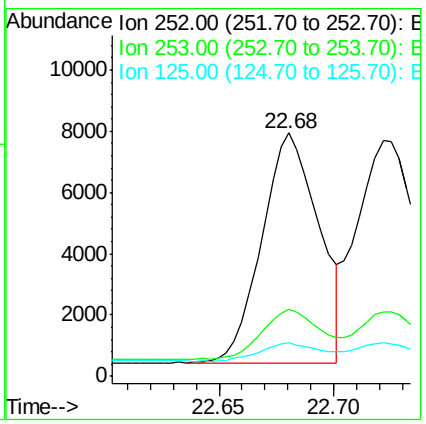


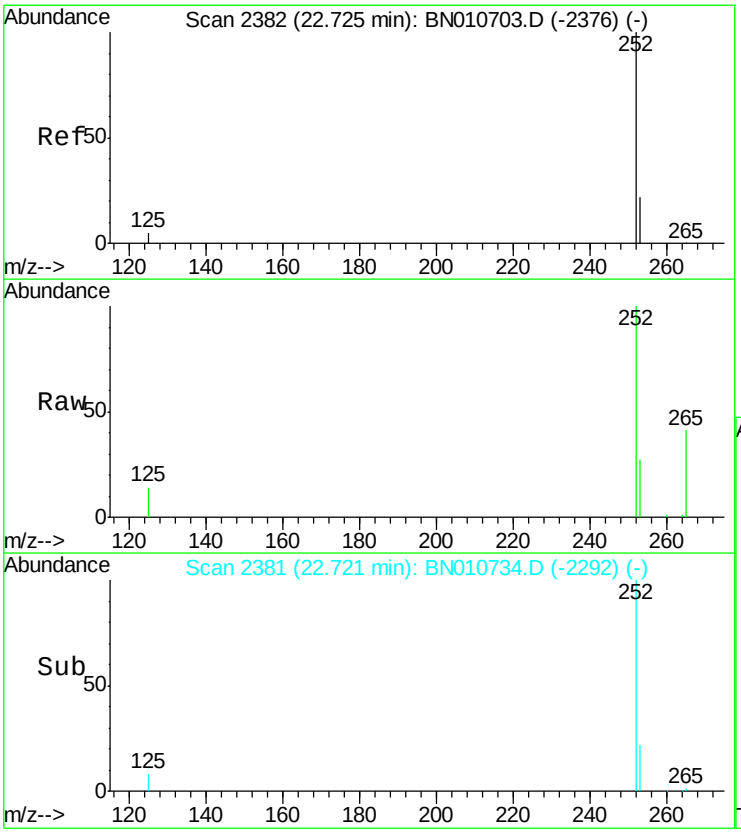
#35
Benzo(b)fluoranthene
Concen: 0.42 ng
RT: 22.68 min Scan# 2369
Delta R.T. 0.00 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Instrument :
BNA_N
ClientSampleId :
PB129048BS

Tgt Ion:252 Resp: 12962

Ion	Ratio	Lower	Upper
252	100		
253	27.3	22.0	33.0
125	13.8	10.8	16.2

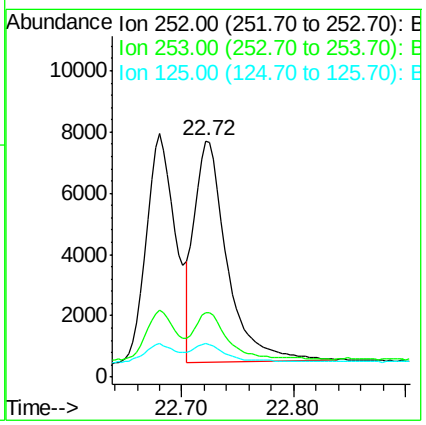


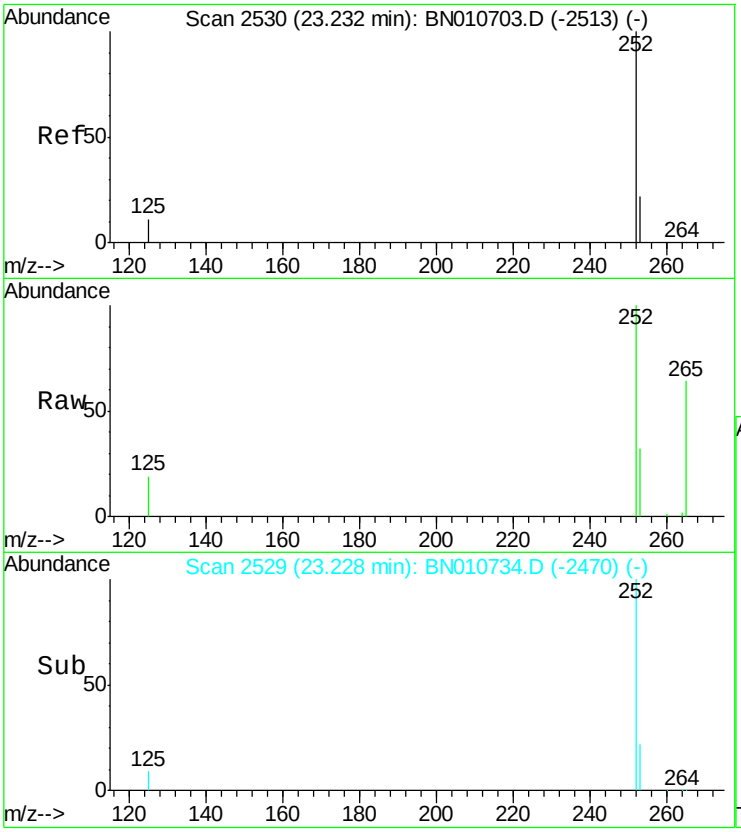


#36
Benzo(k)fluoranthene
Concen: 0.44 ng
RT: 22.72 min Scan# 2381
Delta R.T. 0.00 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Tgt Ion:252 Resp: 14598

Ion	Ratio	Lower	Upper
252	100		
253	27.5	21.9	32.9
125	14.1	11.1	16.7



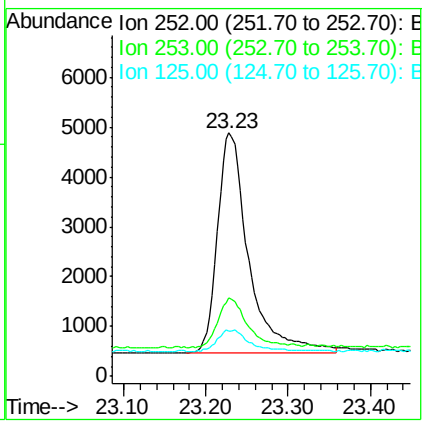


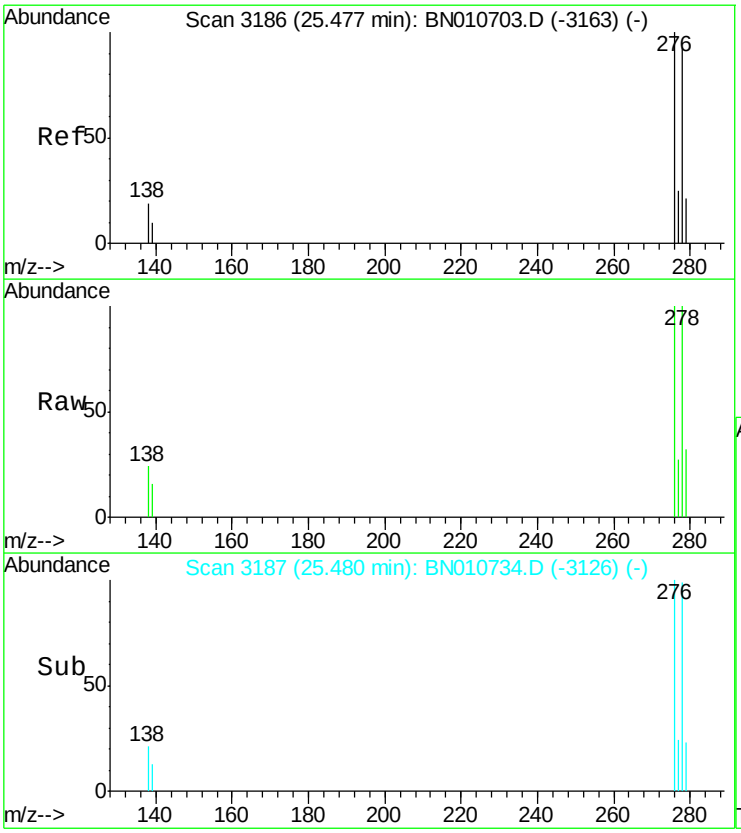
#37
Benzo(a)pyrene
Concen: 0.44 ng
RT: 23.23 min Scan# 2529
Delta R.T. 0.00 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Instrument :
BNA_N
ClientSampleId :
PB129048BS

Tgt Ion:252 Resp: 11727

Ion	Ratio	Lower	Upper
252	100		
253	32.1	24.8	37.2
125	18.6	15.8	23.6

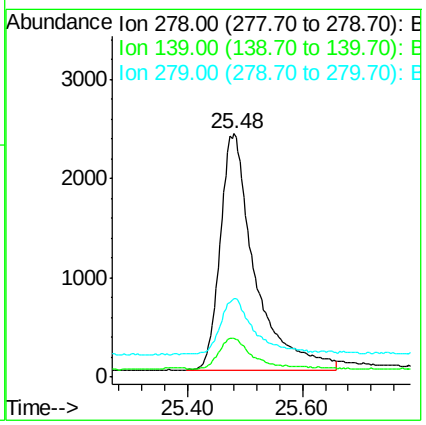


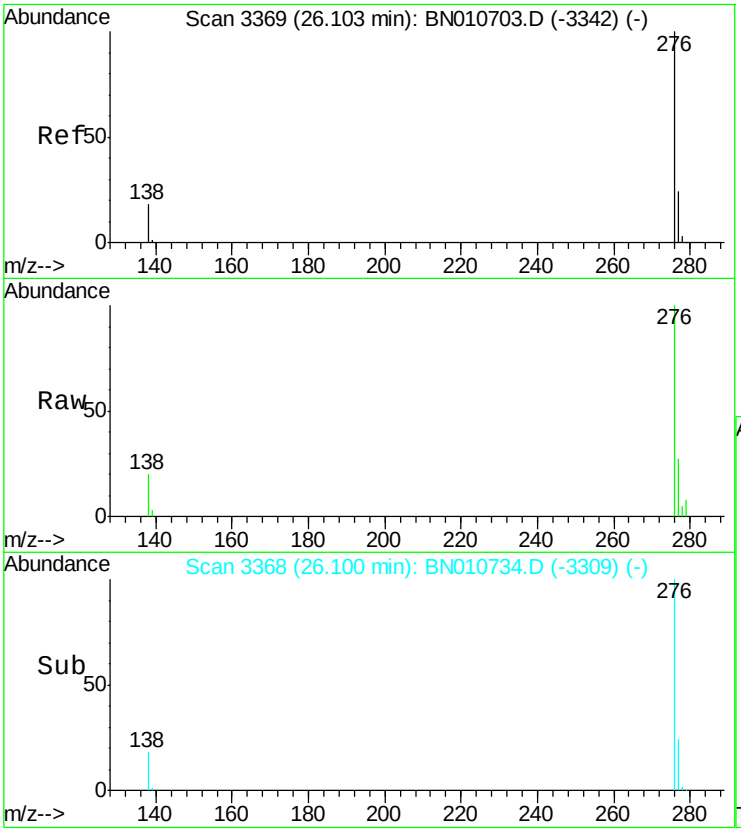


#38
Dibenzo(a,h)anthracene
Concen: 0.44 ng
RT: 25.48 min Scan# 3187
Delta R.T. 0.01 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Tgt Ion:278 Resp: 10007

Ion	Ratio	Lower	Upper
278	100		
139	16.1	13.0	19.4
279	32.1	25.1	37.7





#39
Benzo(g,h,i)perylene
Concen: 0.45 ng
RT: 26.10 min Scan# 3368
Delta R.T. 0.00 min
Lab File: BN010734.D
Acq: 21 May 2020 19:22

Instrument :
BNA_N
ClientSampleId :
PB129048BS

Tgt Ion:276 Resp: 12204

Ion	Ratio	Lower	Upper
276	100		
277	26.6	20.6	30.8
138	20.1	16.0	24.0