Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030220\
Data File : BN010040.D
Acq On : 02 Mar 2020 14:52
Operator : CG/JU
Sample : L1613-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId :

Quant Time: Mar 02 15:34:18 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 02 15:27:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1021	0.40	ng		0.00
7) Naphthalene-d8	10.13	136	3453	0.40	ng		-0.01
13) Acenaphthene-d10	14.01	164	2189	0.40	ng		-0.01
19) Phenanthrene-d10	16.77	188	4467	0.40	ng		-0.01
27) Chrysene-d12	20.99	240	4140	0.40	ng		-0.02
34) Perylene-d12	23.09	264	4594	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.06	112	778	0.34	ng		0.00
5) Phenol-d6	6.61	99	1033	0.37	ng		-0.02
8) Nitrobenzene-d5	8.57	82	1057	0.37	ng		0.00
11) 2-Methylnaphthalene-d10	11.73	152	1952	0.29	ng		0.00
14) 2,4,6-Tribromophenol	15.55	330	308	0.37	ng		-0.01
15) 2-Fluorobiphenyl	12.64	172	3174	0.38	ng		-0.01
25) Fluoranthene-d10	18.81	212	3905	0.25	ng		-0.01
29) Terphenyl-d14	19.43	244	3515	0.36	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.06	88	277	0.265	ng	#	69
3) n-Nitrosodimethylamine	3.39	42	605	0.352	ng	#	88
6) bis(2-Chloroethyl)ether	6.86	93	739	0.275	ng		94
9) Naphthalene	10.18	128	9420	1.000	ng		95
10) Hexachlorobutadiene	10.46	225	521	0.251	ng	#	97
12) 2-Methylnaphthalene	11.81	142	4701	0.728	ng		98
16) Acenaphthylene	13.73	152	22975	2.462	ng		100
17) Acenaphthene	14.08	154	3350	0.511	ng		100
18) Fluorene	15.08	166	9183	1.061	ng		97
20) 4-Bromophenyl-phenylether	16.01	248	189	Below Cal		#	74
21) Hexachlorobenzene	16.09	284	765	0.275	ng		99
22) Pentachlorophenol	16.46	266	139	0.328	ng		92
23) Phenanthrene	16.81	178	61704	4.641	ng		100
24) Anthracene	16.91	178	19662	1.750	ng		99
26) Fluoranthene	18.85	202	74905	4.706	ng		99
28) Pyrene	19.21	202	77127	4.906	ng		98
30) Benzo(a)anthracene	20.97	228	47475	3.456	ng		95
31) Chrysene	21.03	228	43306	2.725	ng		99
32) Bis(2-ethylhexyl)phthalate	20.92	149	3313	0.494	ng		97
33) Indeno(1,2,3-cd)pyrene	25.12	276	46108	2.786	ng		97
35) Benzo(b)fluoranthene	22.48	252	71099	4.233	ng	#	82
36) Benzo(k)fluoranthene	22.63	252	18151	0.993	ng		98
37) Benzo(a)pyrene	23.13	252	15088	0.985	ng		95
38) Dibenzo(a,h)anthracene	25.12	278	15983	1.059	ng		97
39) Benzo(g,h,i)perylene	25.73	276	48597	3.023	ng		96

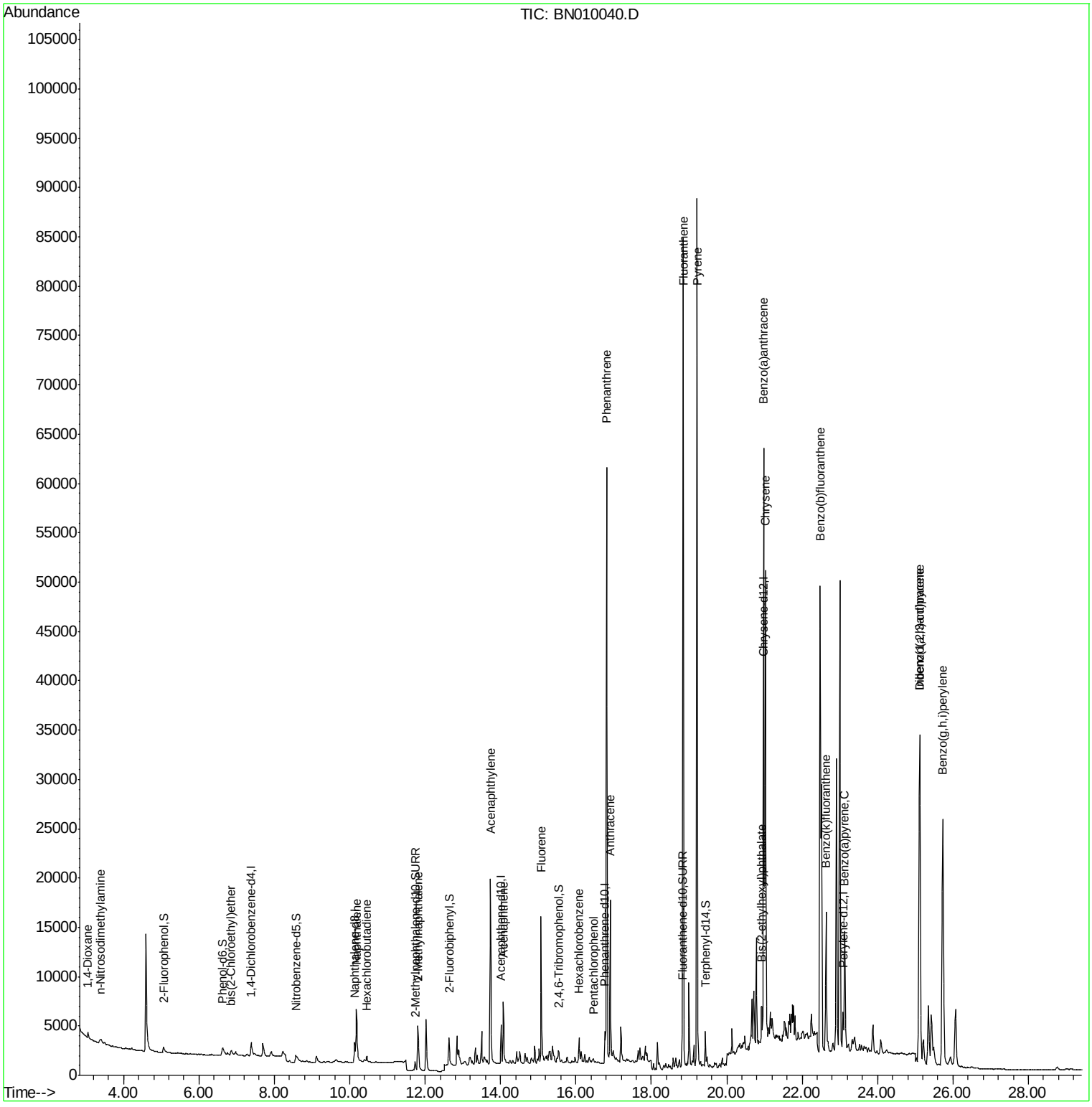
(#) = qualifier out of range (m) = manual integration (+) = signals summed

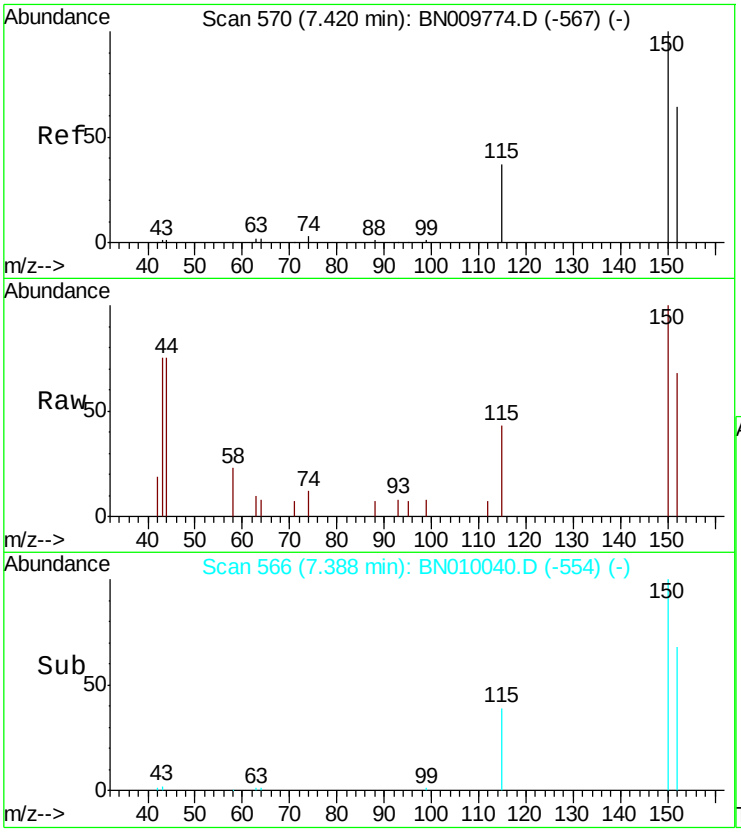
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030220\
Data File : BN010040.D
Acq On : 02 Mar 2020 14:52
Operator : CG/JU
Sample : L1613-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Mar 02 15:34:18 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 02 15:27:13 2020
Response via : Initial Calibration



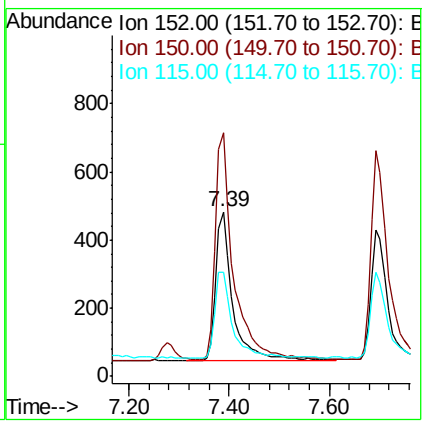


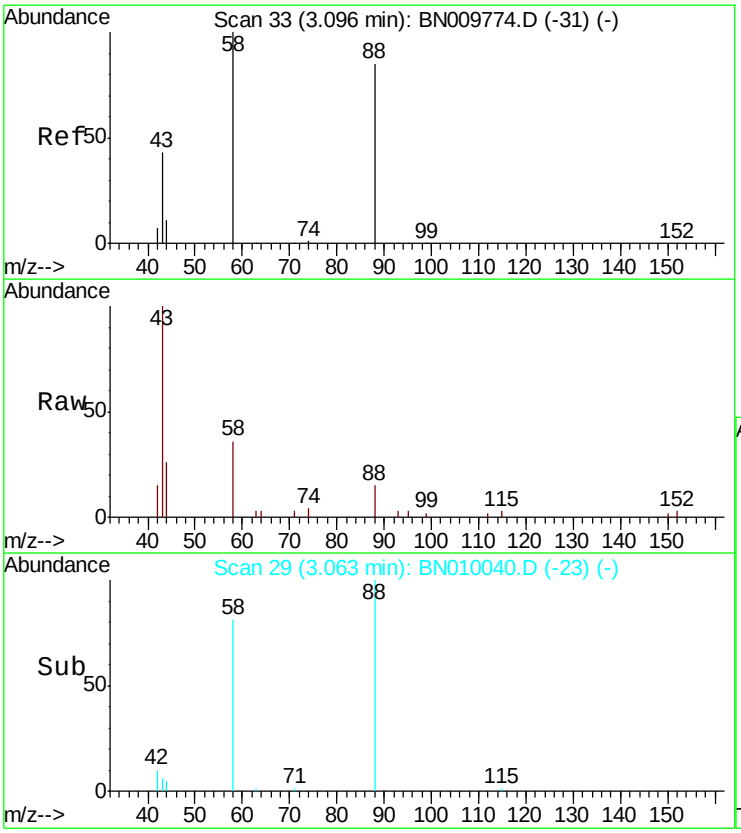
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 566
Delta R.T. 0.00 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 1021

Ion	Ratio	Lower	Upper
152	100		
150	148.1	118.6	177.8
115	63.3	51.8	77.6

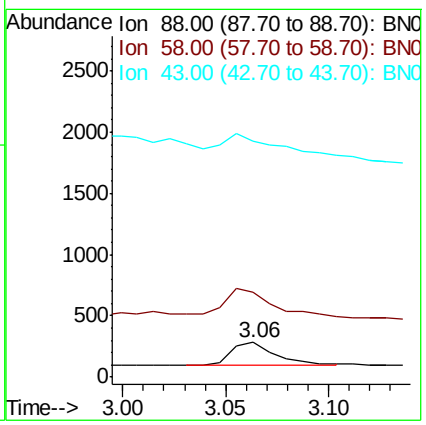


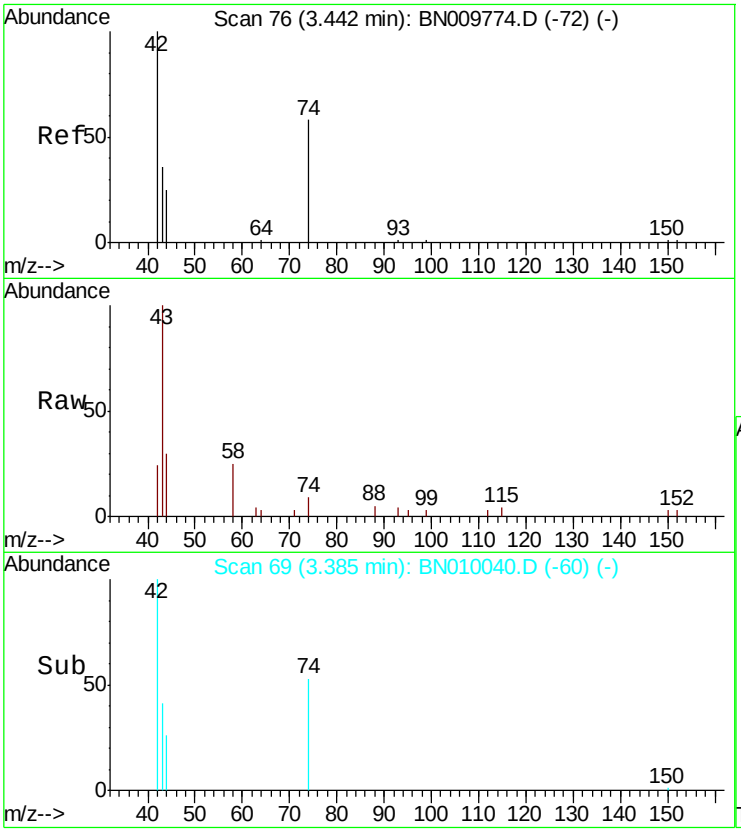


#2
1,4-Dioxane
Concen: 0.265 ng
RT: 3.06 min Scan# 29
Delta R.T. 0.00 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Tgt Ion: 88 Resp: 277

Ion	Ratio	Lower	Upper
88	100		
58	122.0	86.2	129.4
43	106.1	47.4	71.0#



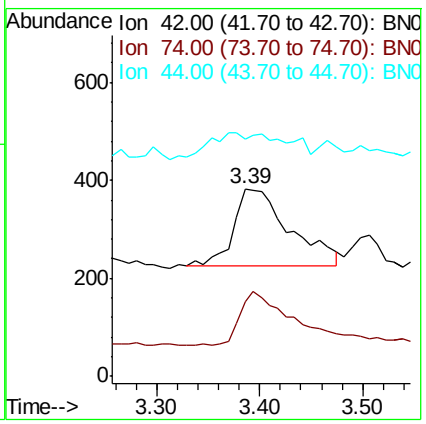


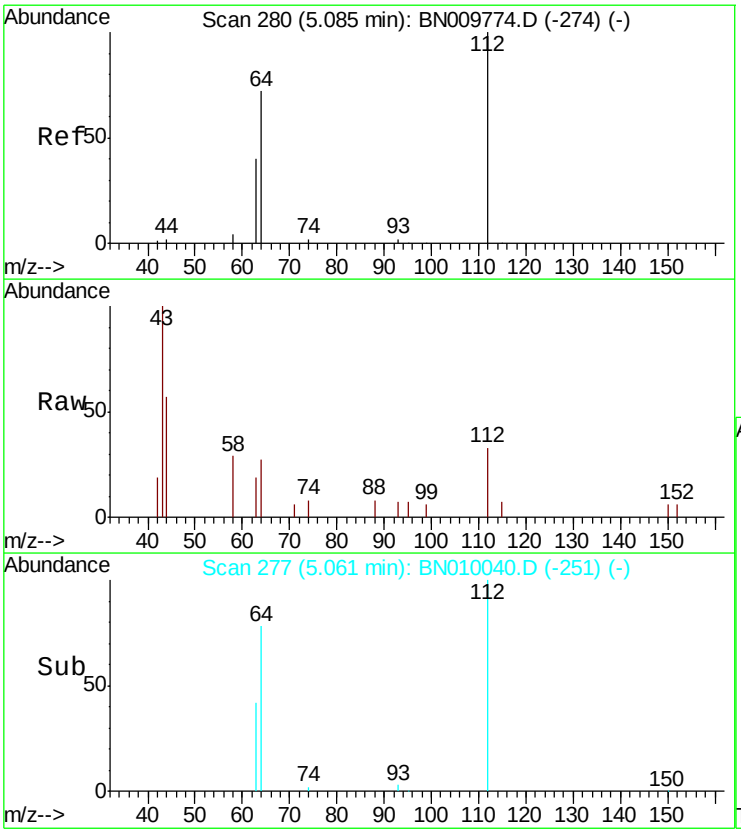
#3
n-Nitrosodimethylamine
Concen: 0.352 ng
RT: 3.39 min Scan# 69
Delta R.T. -0.02 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 42 Resp: 605

Ion	Ratio	Lower	Upper
42	100		
74	64.1	58.9	88.3
44	0.0	4.6	7.0#

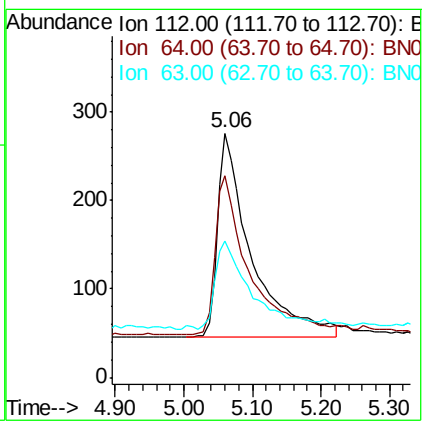


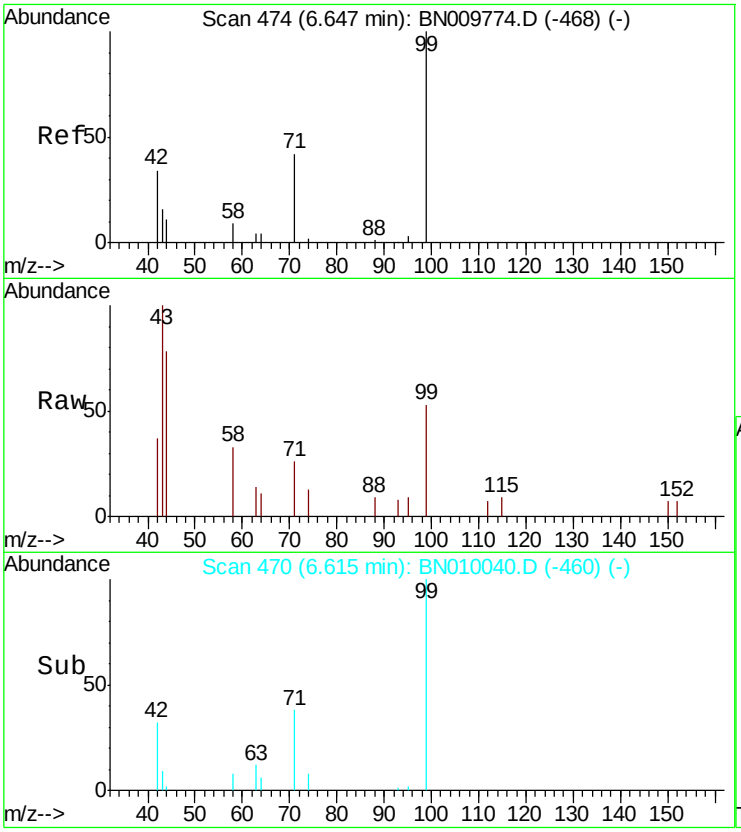


#4
2-Fluorophenol
Concen: 0.343 ng
RT: 5.06 min Scan# 277
Delta R.T. 0.01 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Tgt Ion:112 Resp: 778

Ion	Ratio	Lower	Upper
112	100		
64	80.1	62.5	93.7
63	45.9	35.4	53.0



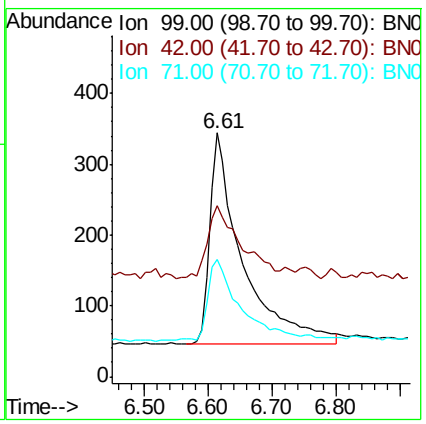


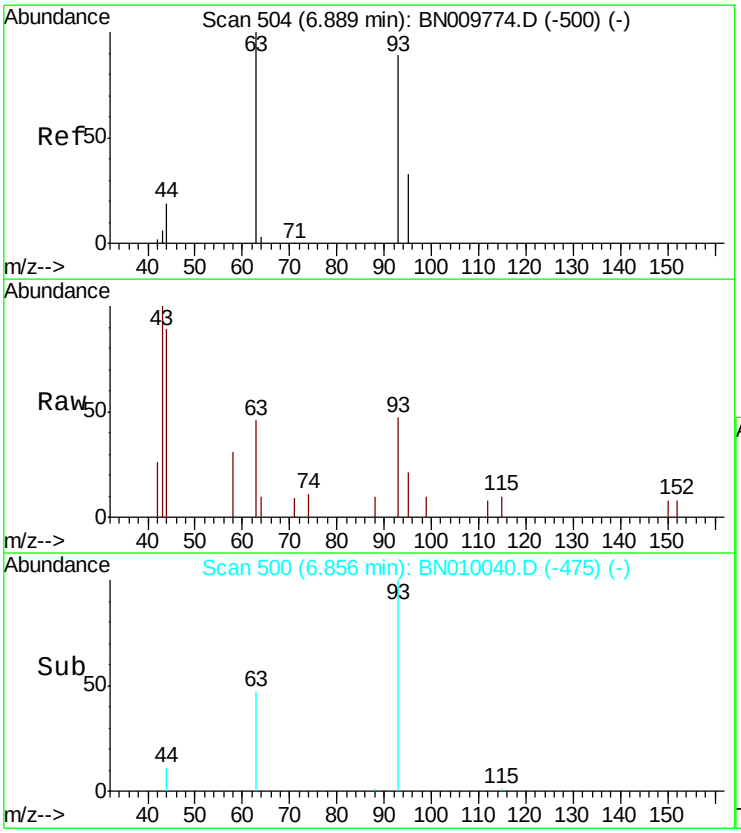
#5
Phenol-d6
Concen: 0.374 ng
RT: 6.61 min Scan# 470
Delta R.T. -0.02 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 99 Resp: 1033

Ion	Ratio	Lower	Upper
99	100		
42	35.7	25.9	38.9
71	35.7	35.0	52.6

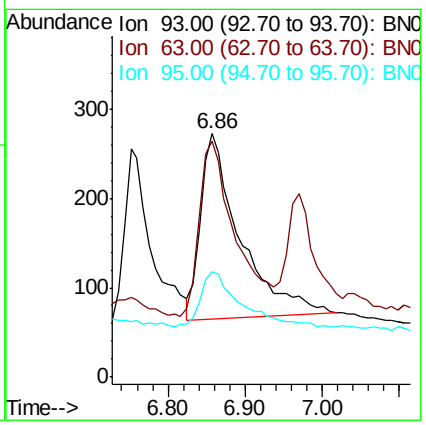


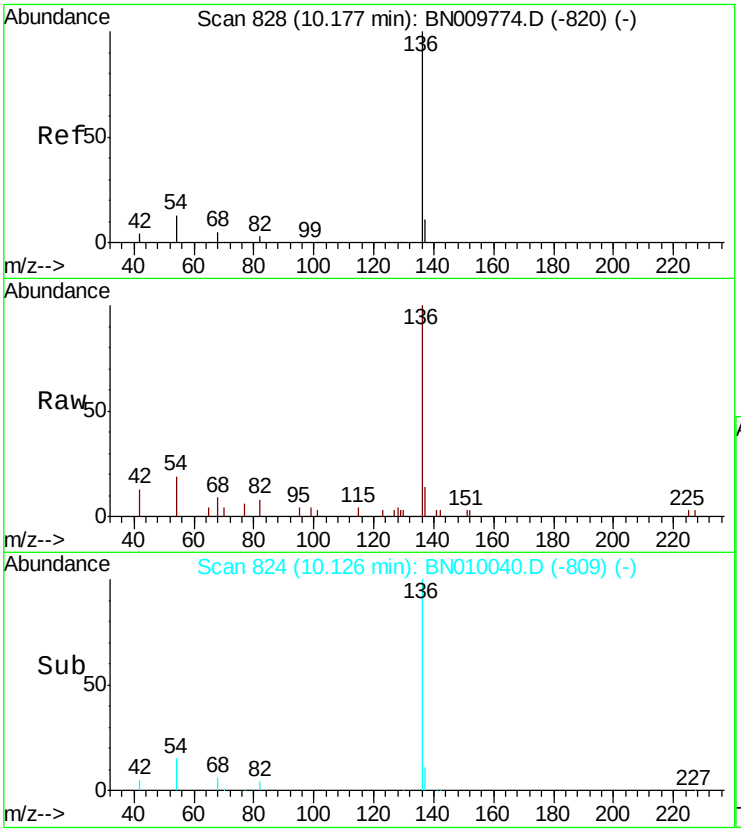


#6
bis(2-Chloroethyl)ether
Concen: 0.275 ng
RT: 6.86 min Scan# 500
Delta R.T. 0.00 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Tgt Ion: 93 Resp: 739

Ion	Ratio	Lower	Upper
93	100		
63	85.4	63.2	94.8
95	30.4	25.0	37.6



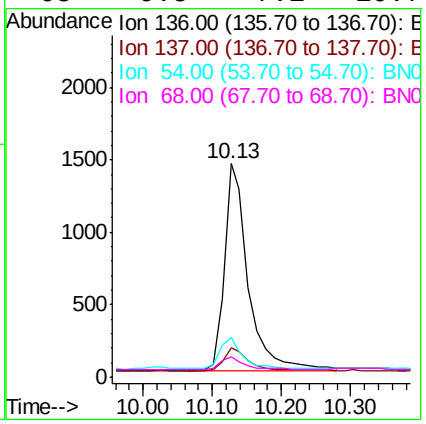


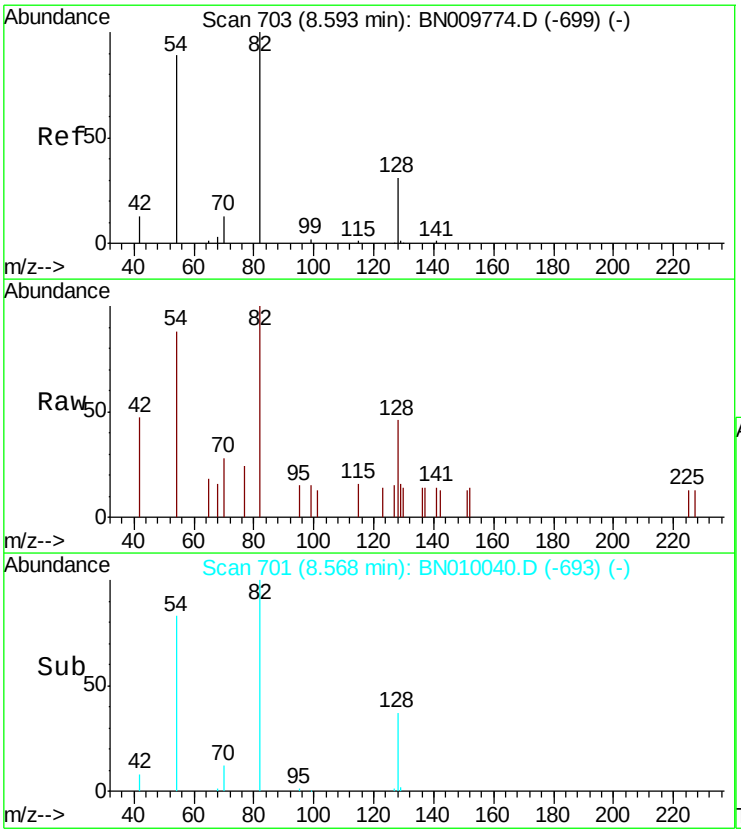
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.13 min Scan# 824
Delta R.T. -0.01 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:136 Resp: 3453

Ion	Ratio	Lower	Upper
136	100		
137	13.9	11.3	16.9
54	18.8	13.9	20.9
68	9.5	7.1	10.7

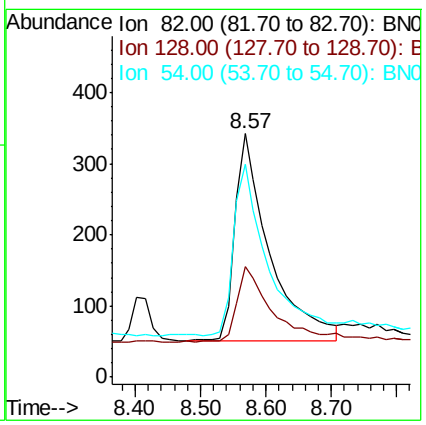


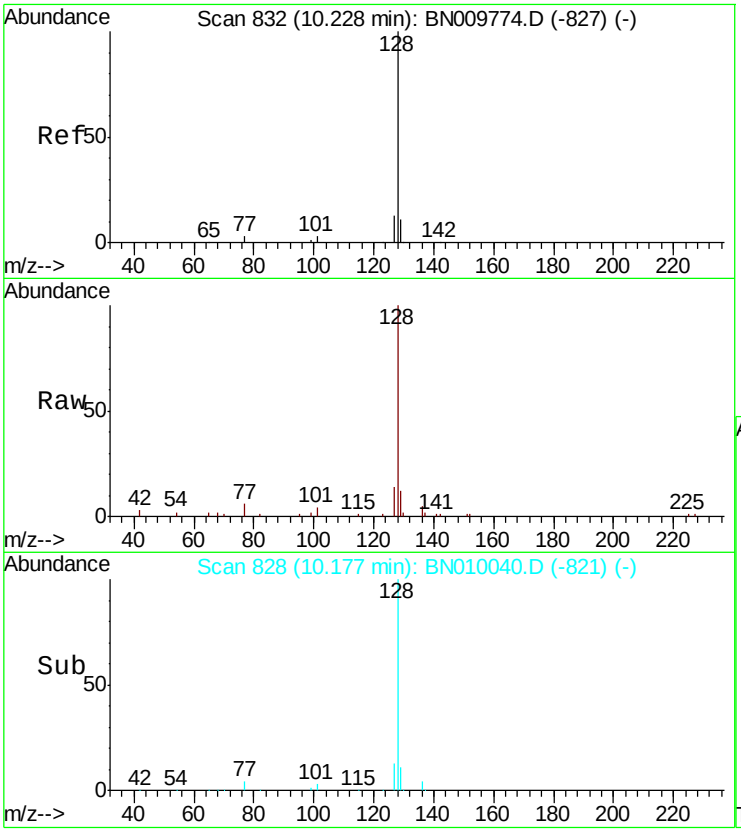


#8
Nitrobenzene-d5
Concen: 0.368 ng
RT: 8.57 min Scan# 701
Delta R.T. 0.00 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Tgt Ion: 82 Resp: 1057

Ion	Ratio	Lower	Upper
82	100		
128	45.6	37.5	56.3
54	87.7	72.4	108.6



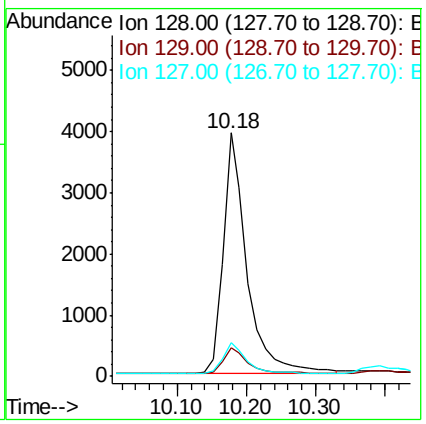


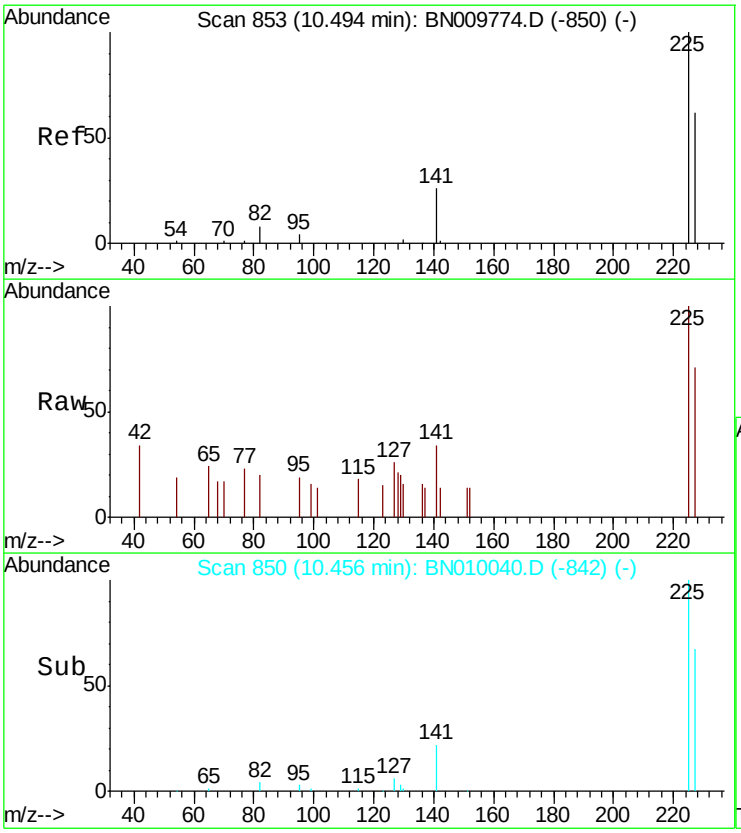
#9
Naphthalene
Concen: 1.000 ng
RT: 10.18 min Scan# 828
Delta R.T. -0.01 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:128 Resp: 9420

Ion	Ratio	Lower	Upper
128	100		
129	11.9	11.6	17.4
127	14.1	12.6	19.0

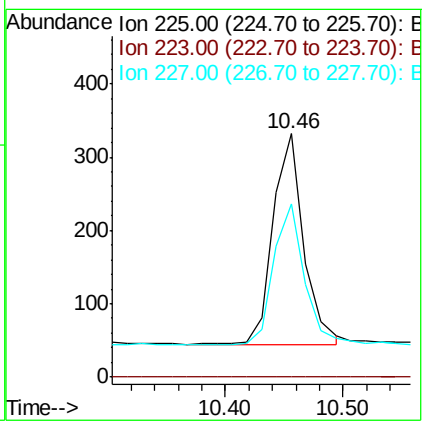


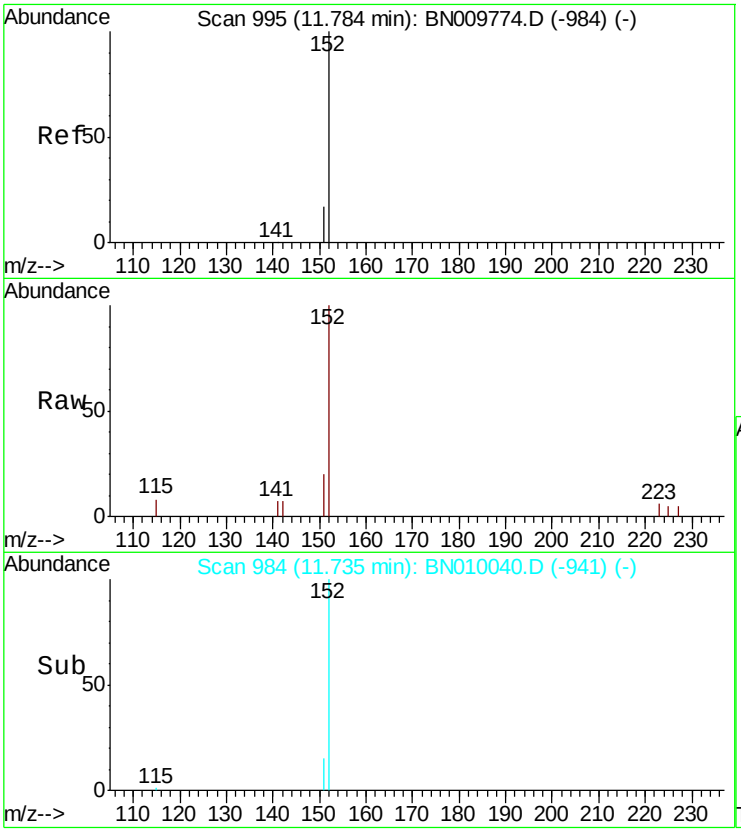


#10
Hexachlorobutadiene
Concen: 0.251 ng
RT: 10.46 min Scan# 850
Delta R.T. 0.00 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Tgt Ion:225 Resp: 521

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	66.2	51.1	76.7



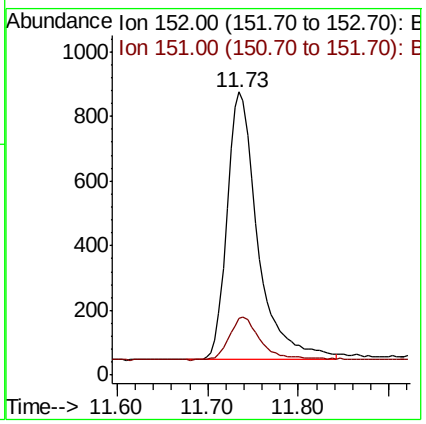


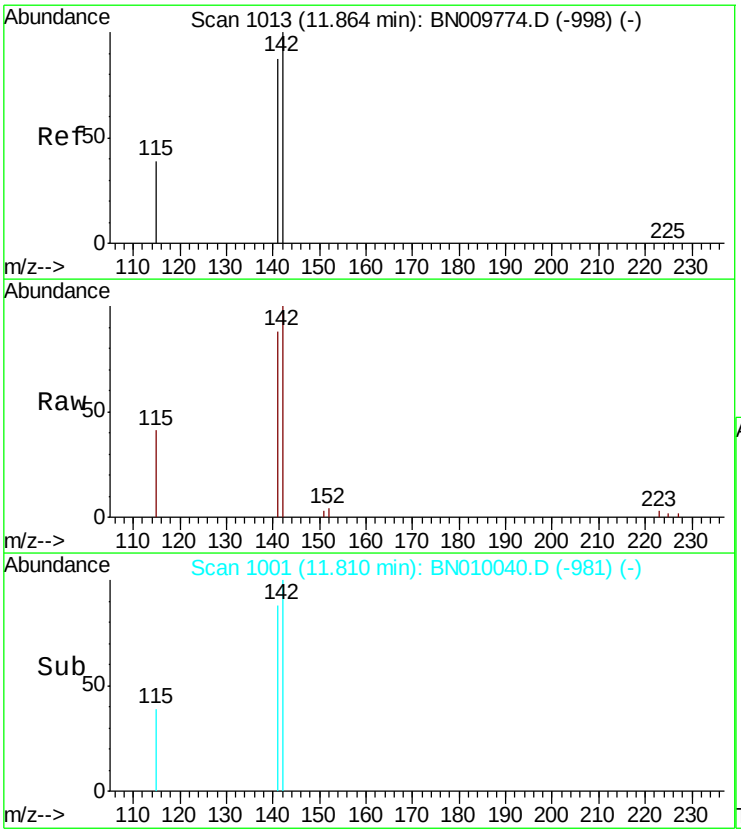
#11
2-Methylnaphthalene-d10
Concen: 0.292 ng
RT: 11.73 min Scan# 984
Delta R.T. -0.01 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 1952

Ion	Ratio	Lower	Upper
152	100		
151	17.0	14.6	22.0

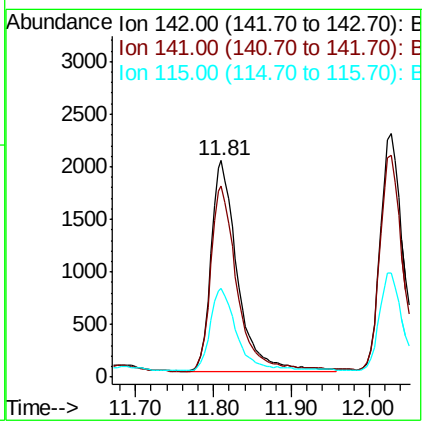


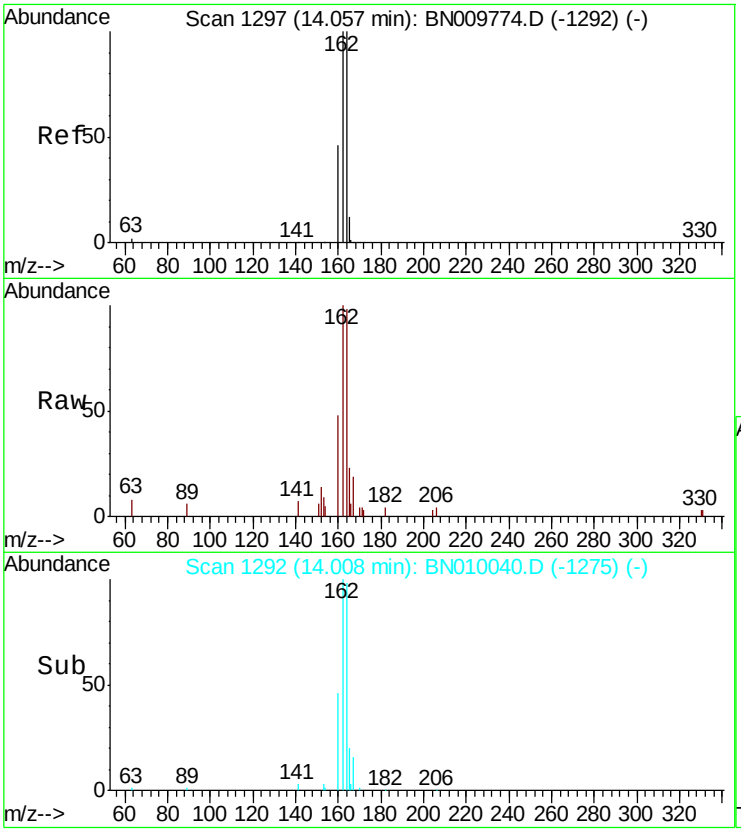


#12
2-Methylnaphthalene
Concen: 0.728 ng
RT: 11.81 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Tgt Ion:142 Resp: 4701

Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.5	107.3
115	41.1	34.8	52.2



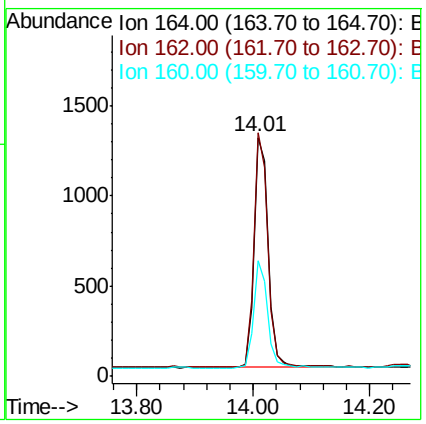


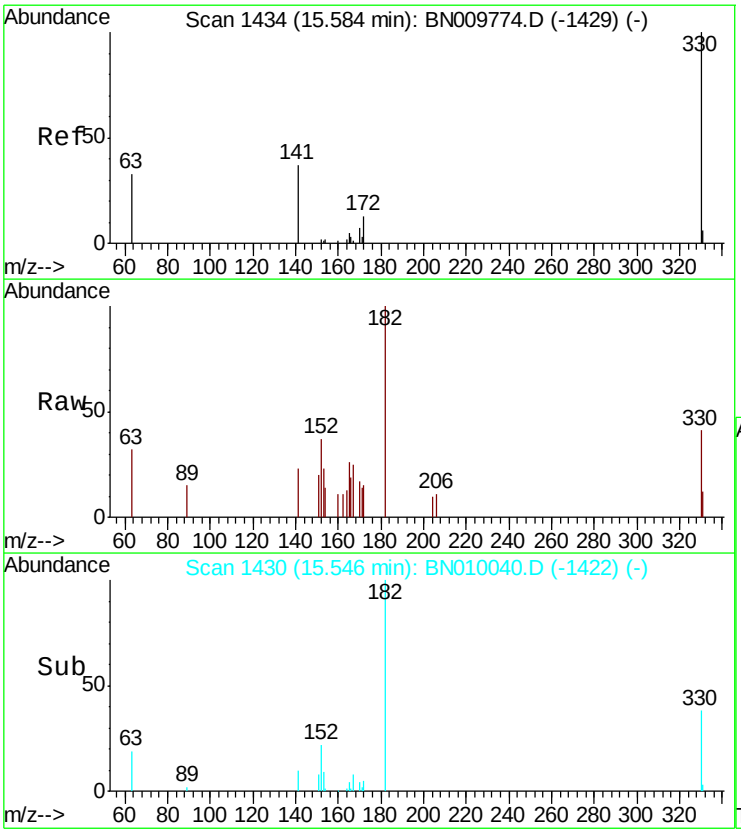
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:164 Resp: 2189

Ion	Ratio	Lower	Upper
164	100		
162	101.8	81.9	122.9
160	48.4	37.6	56.4

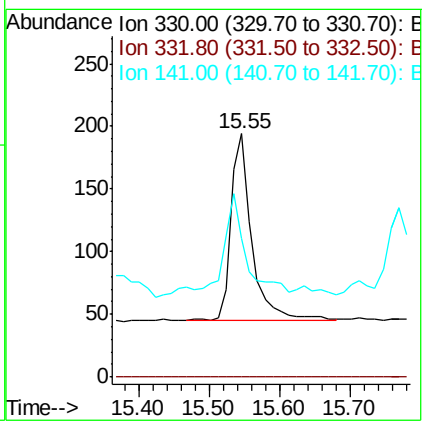


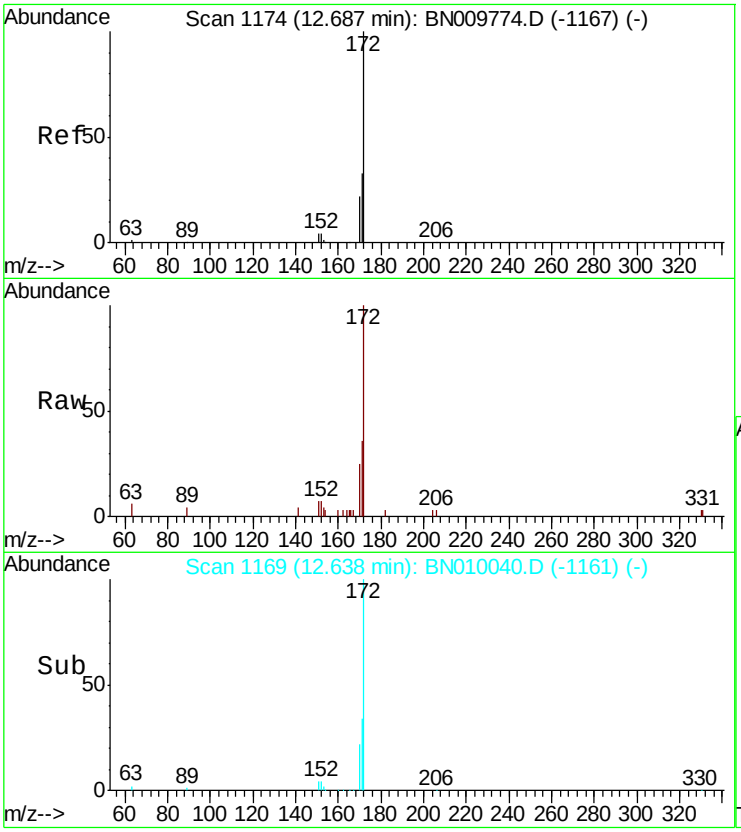


#14
2,4,6-Tribromophenol
Concen: 0.365 ng
RT: 15.55 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Tgt Ion:330 Resp: 308

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	49.7	38.2	57.2



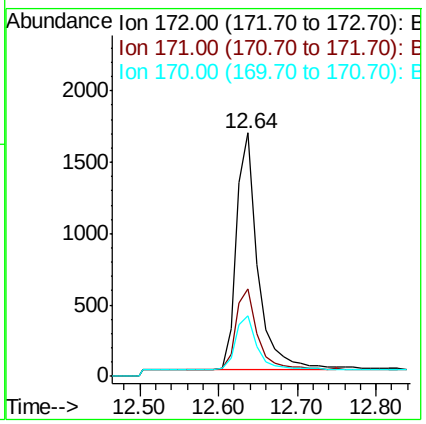


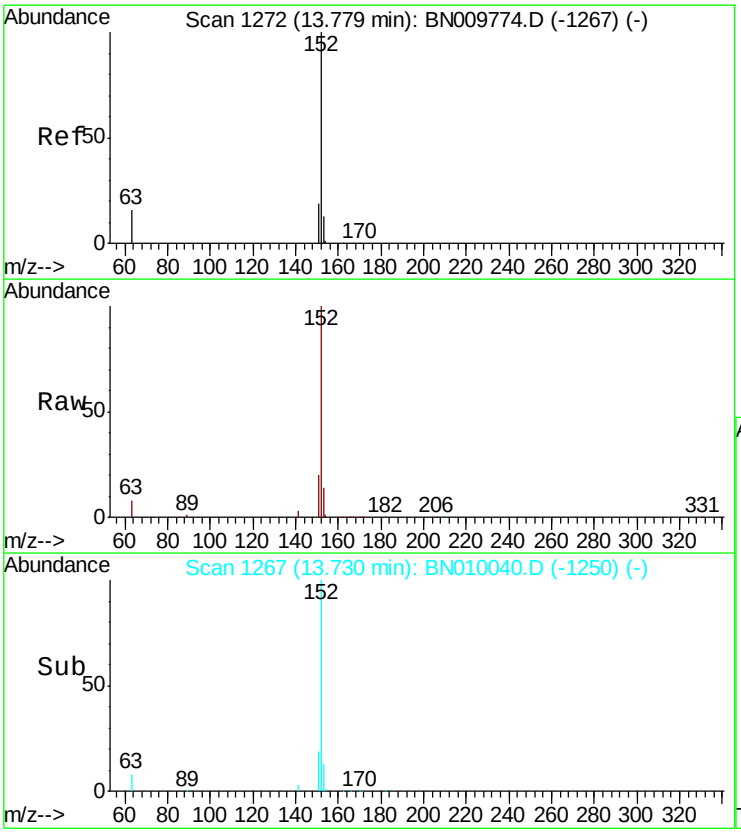
#15
2-Fluorobiphenyl
Concen: 0.384 ng
RT: 12.64 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:172 Resp: 3174

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	24.7	19.4	29.0

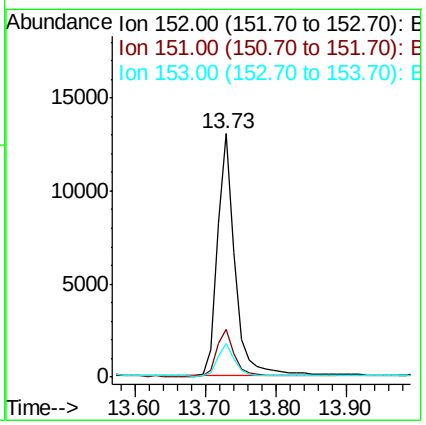


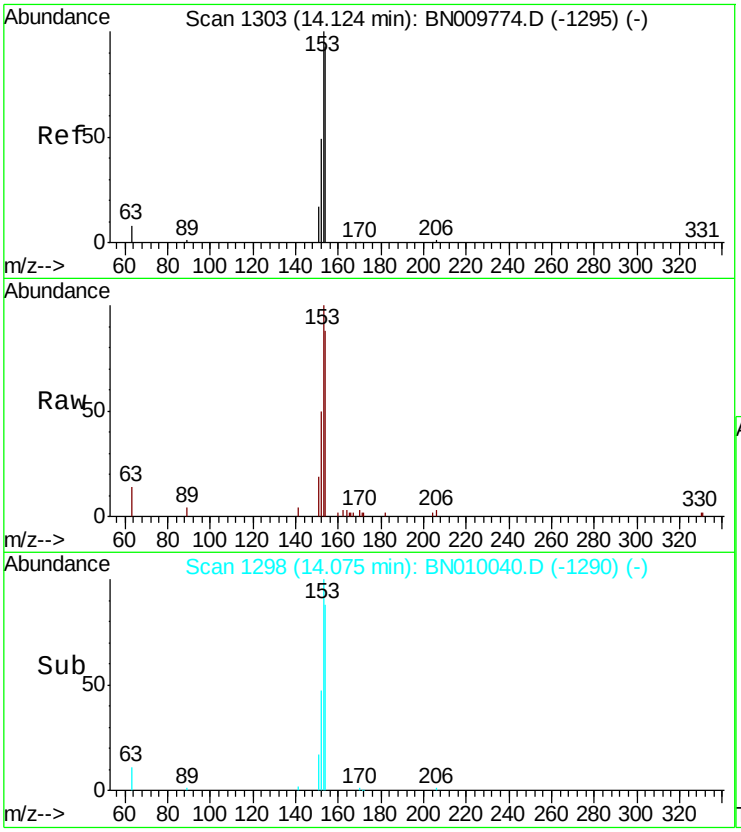


#16
Acenaphthylene
Concen: 2.462 ng
RT: 13.73 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Tgt Ion:152 Resp: 22975

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.6	23.4
153	13.4	10.8	16.2



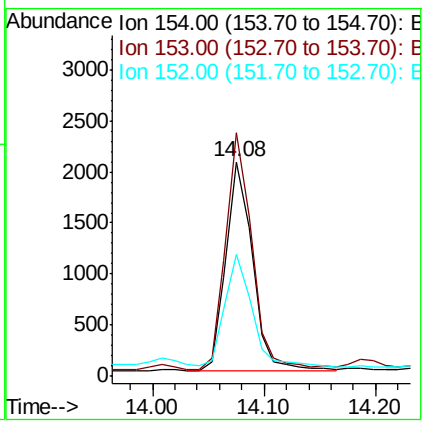


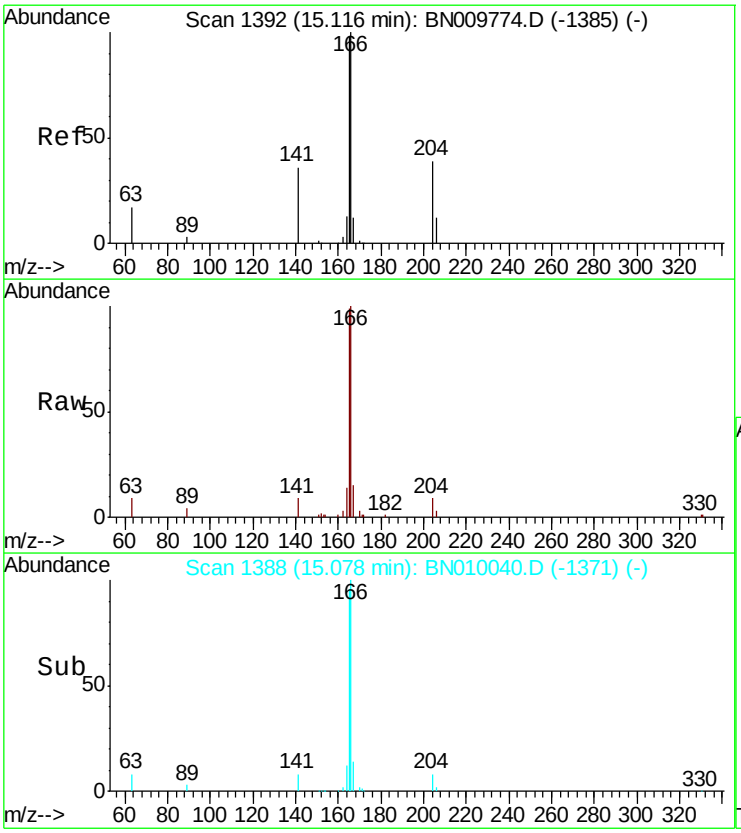
#17
Acenaphthene
Concen: 0.511 ng
RT: 14.08 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:154 Resp: 3350

Ion	Ratio	Lower	Upper
154	100		
153	114.1	91.4	137.2
152	55.2	44.2	66.4

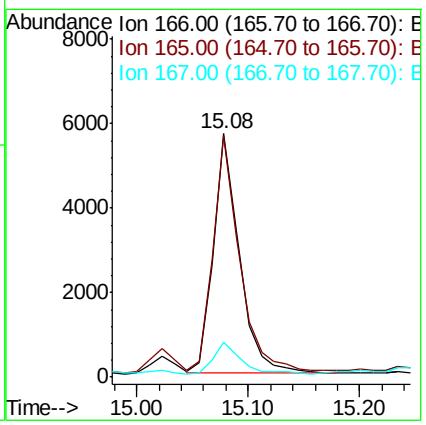


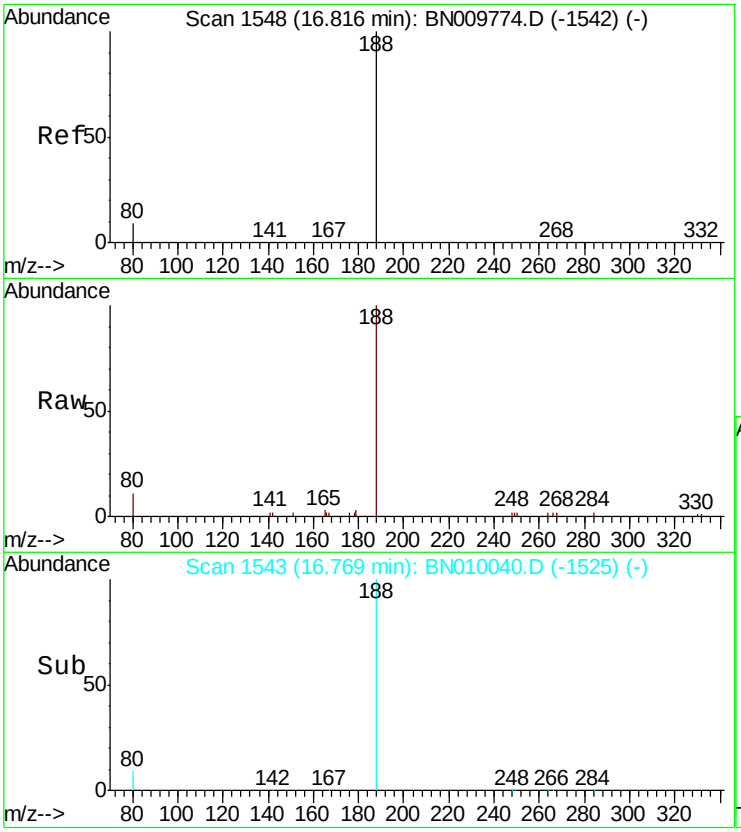


#18
Fluorene
Concen: 1.061 ng
RT: 15.08 min Scan# 1388
Delta R.T. -0.01 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Tgt Ion:166 Resp: 9183

Ion	Ratio	Lower	Upper
166	100		
165	99.5	77.1	115.7
167	14.5	11.3	16.9



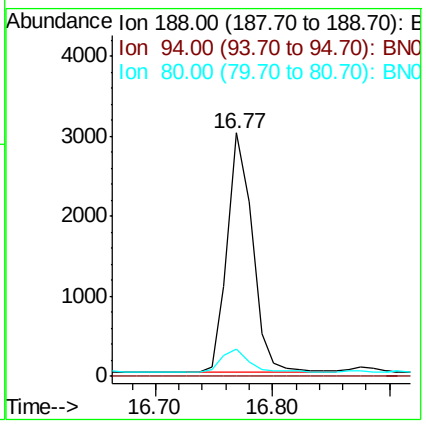


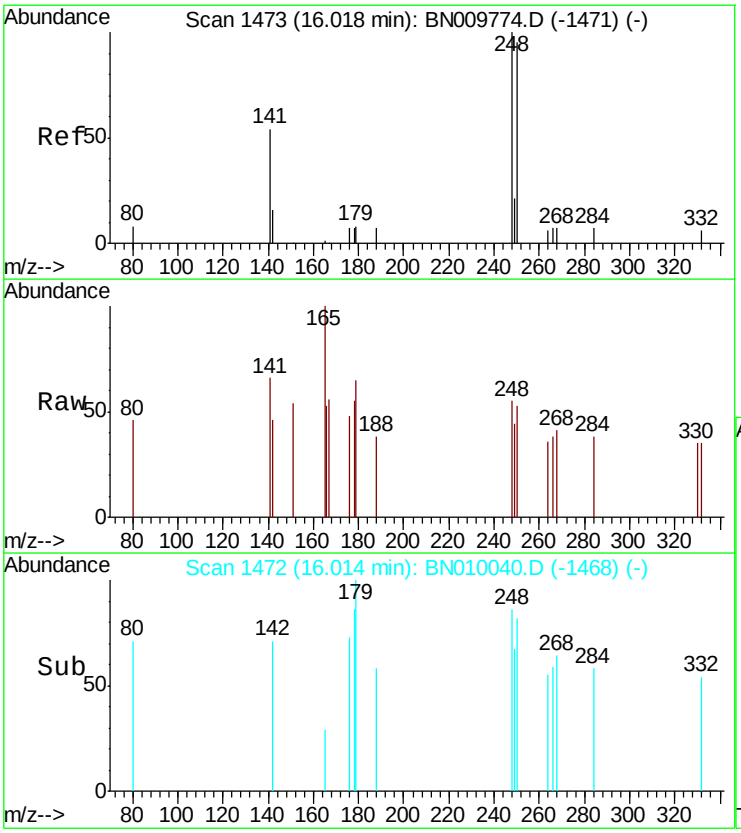
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:188 Resp: 4467

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.4	9.4	14.2

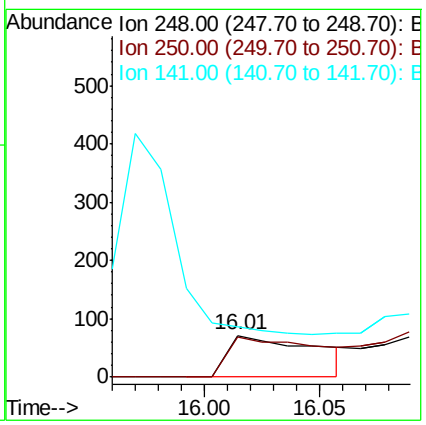


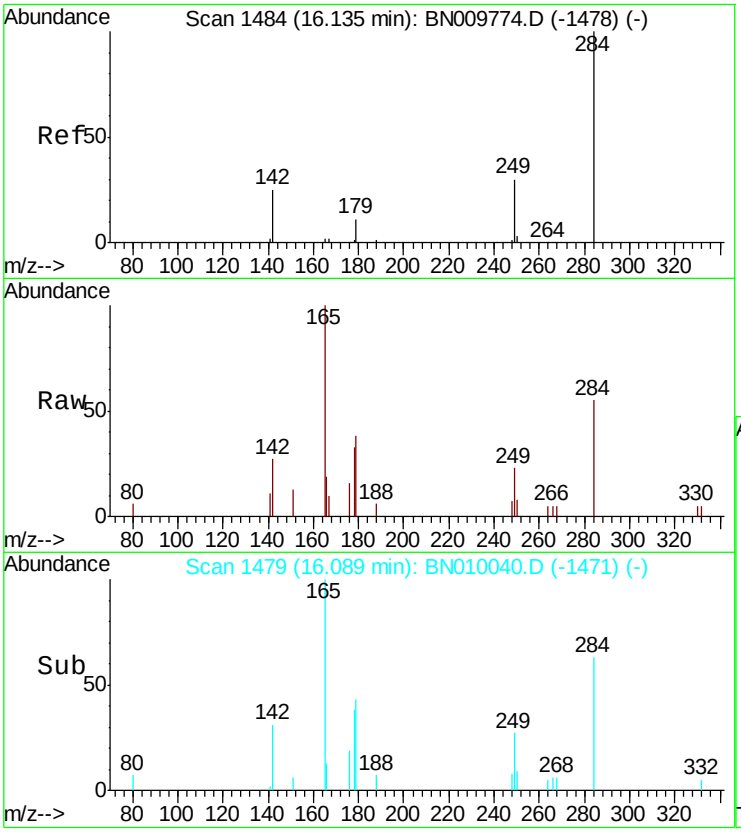


#20
4-Bromophenyl-phenylether
Concen: Below Cal
RT: 16.01 min Scan# 1472
Delta R.T. 0.00 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Tgt Ion:248 Resp: 189

Ion	Ratio	Lower	Upper
248	100		
250	95.8	94.2	141.2
141	119.7	70.0	105.0#



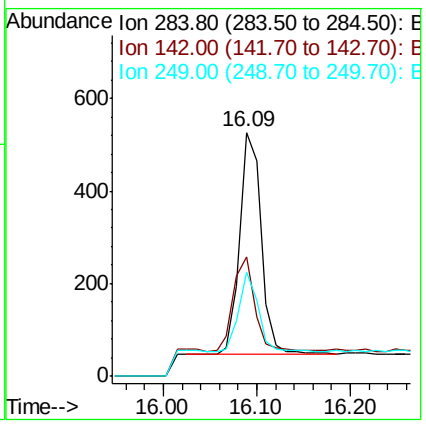


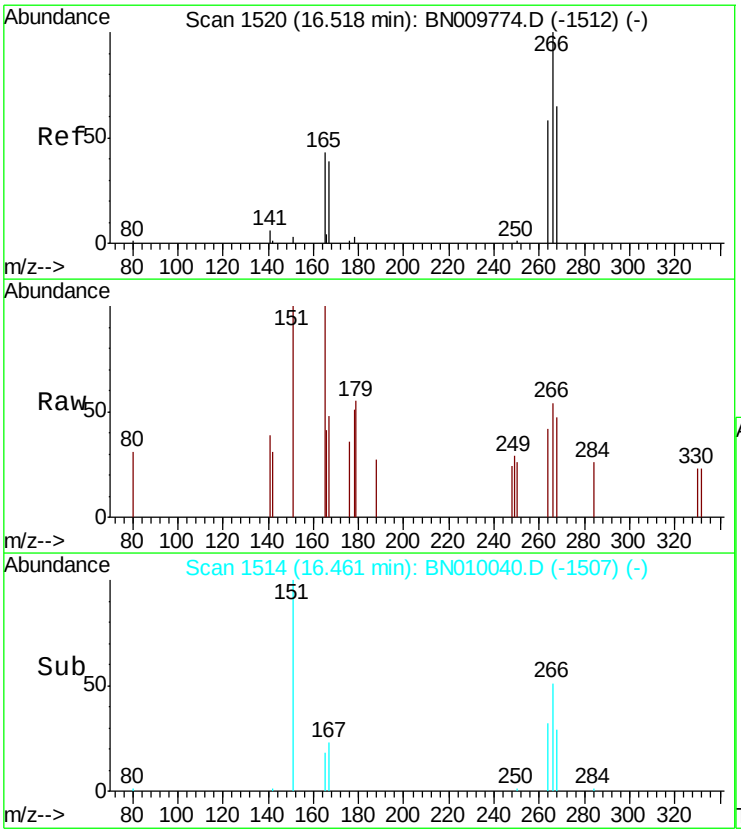
#21
Hexachlorobenzene
Concen: 0.275 ng
RT: 16.09 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:284 Resp: 765

Ion	Ratio	Lower	Upper
284	100		
142	42.2	33.3	49.9
249	32.7	26.0	39.0

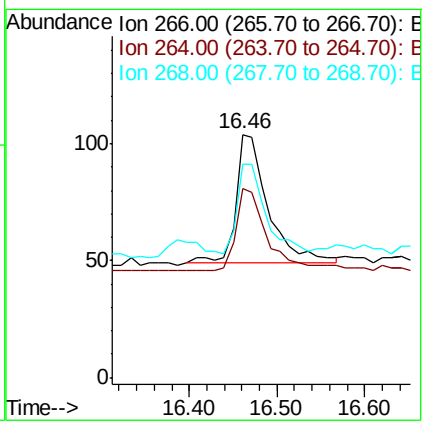


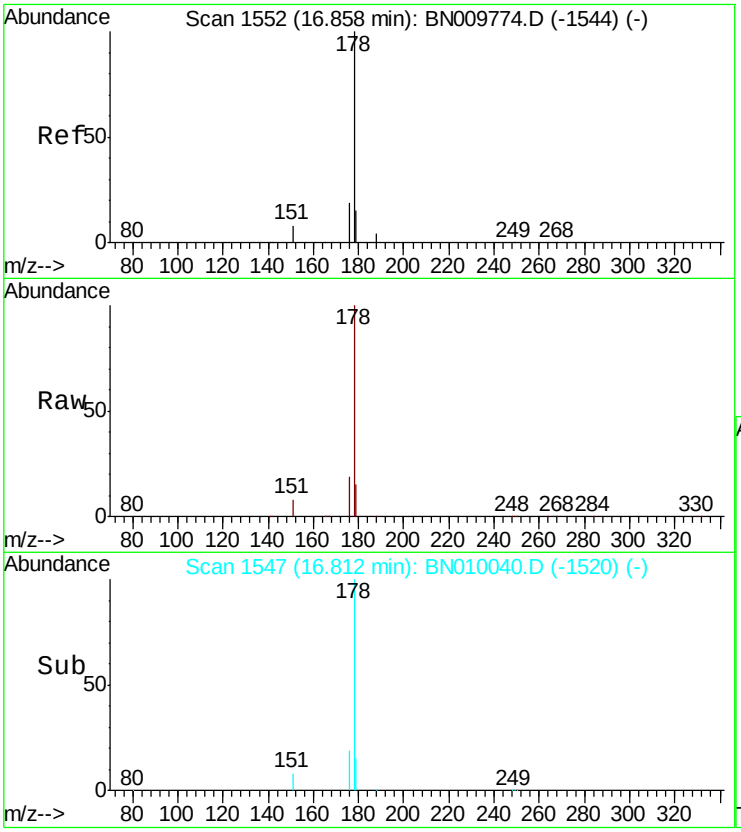


#22
Pentachlorophenol
Concen: 0.328 ng
RT: 16.46 min Scan# 1514
Delta R.T. -0.02 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Tgt Ion:266 Resp: 139

Ion	Ratio	Lower	Upper
266	100		
264	77.9	57.4	86.0
268	87.5	63.8	95.6



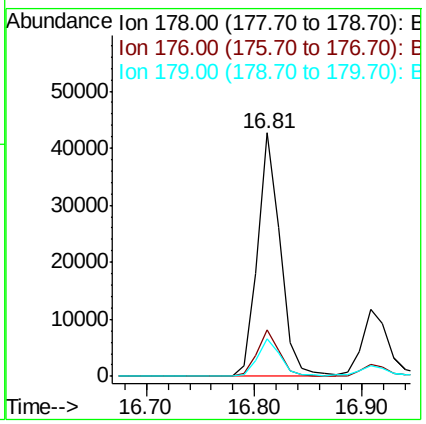


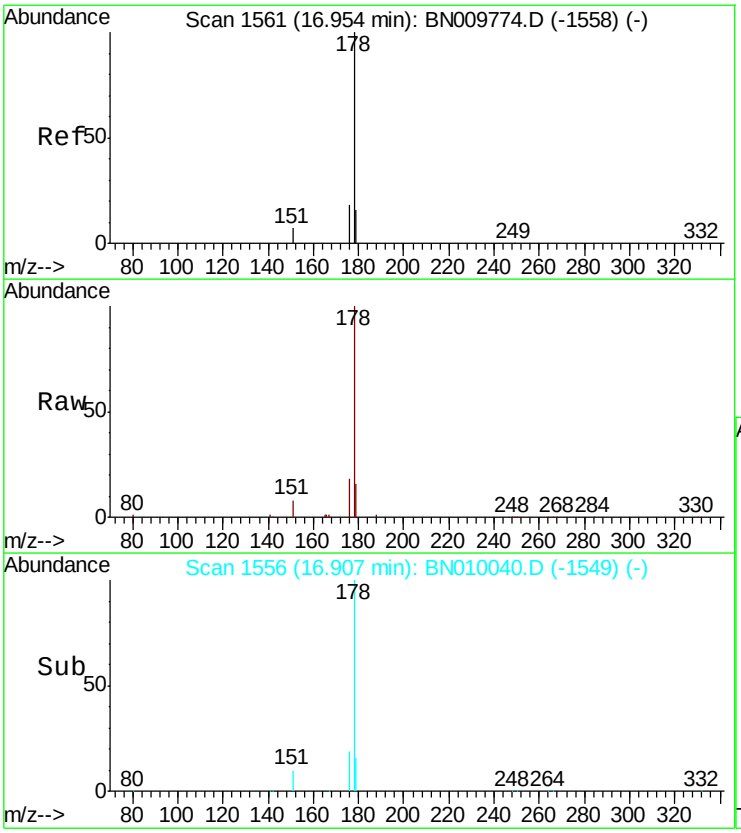
#23
Phenanthrene
Concen: 4.641 ng
RT: 16.81 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp: 61704

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.3	12.2	18.4

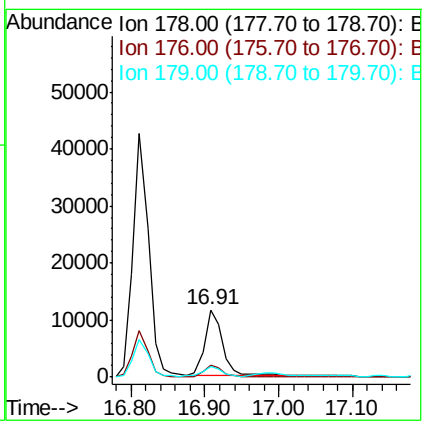


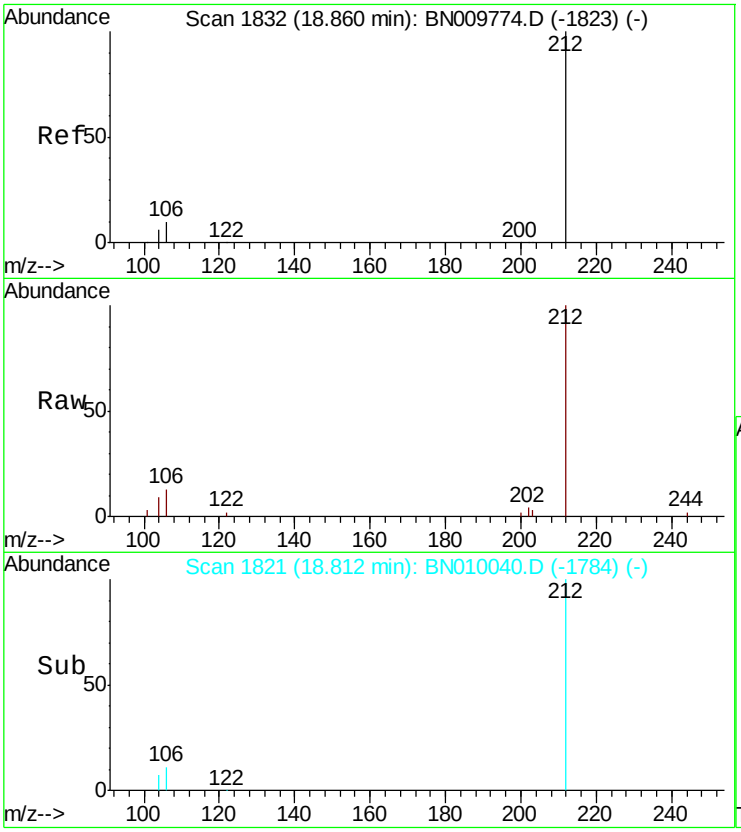


#24
Anthracene
Concen: 1.750 ng
RT: 16.91 min Scan# 1556
Delta R.T. -0.02 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Tgt Ion:178 Resp: 19662

Ion	Ratio	Lower	Upper
178	100		
176	17.5	14.2	21.2
179	15.1	11.8	17.8



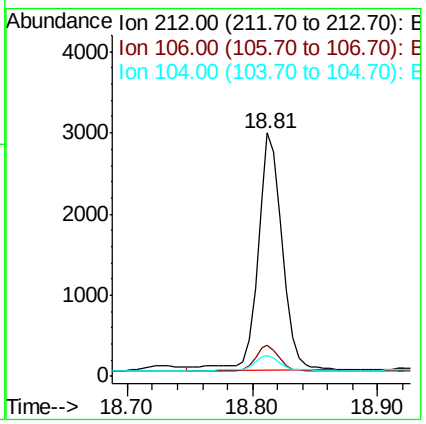


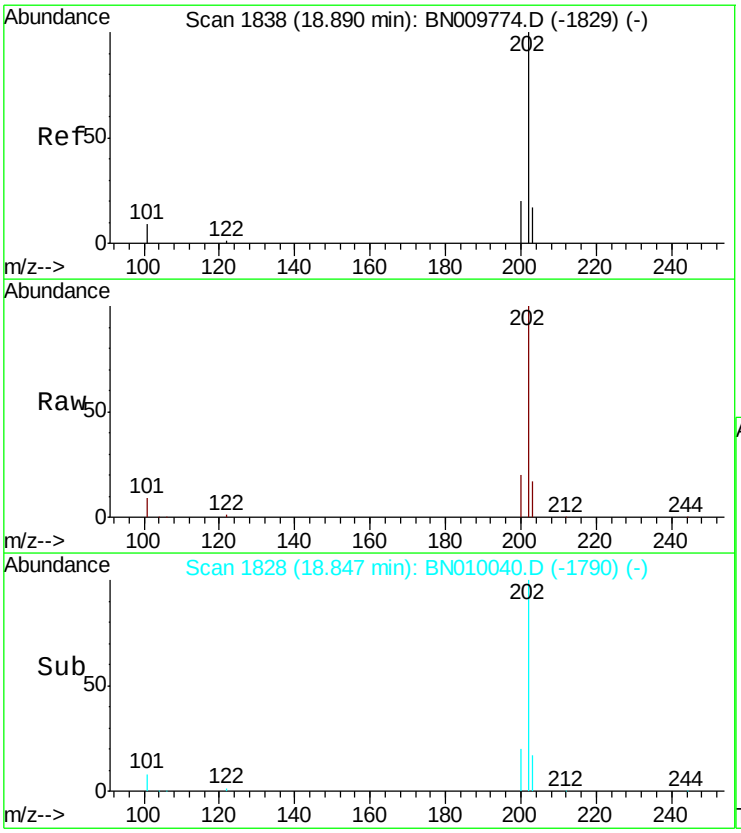
#25
Fluoranthene-d10
Concen: 0.253 ng
RT: 18.81 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:212 Resp: 3905

Ion	Ratio	Lower	Upper
212	100		
106	11.2	8.2	12.4
104	8.0	5.0	7.6#

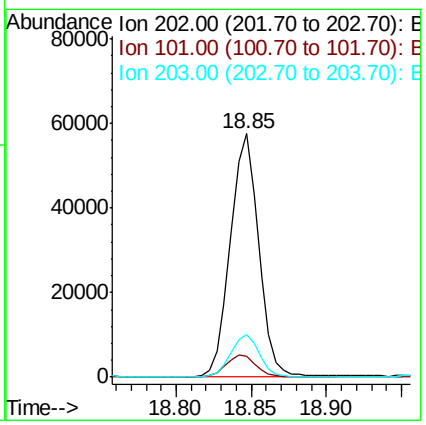


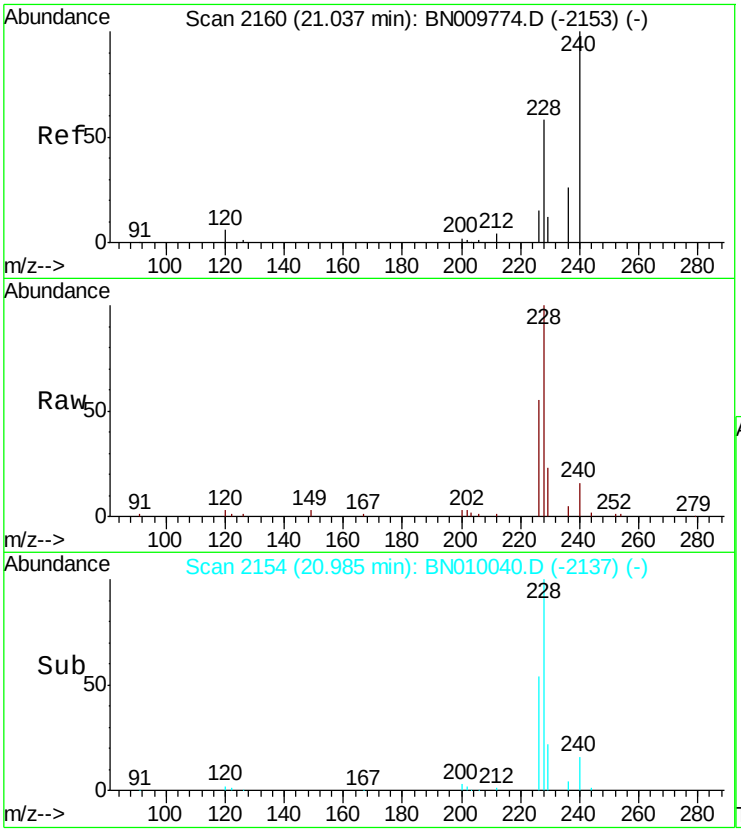


#26
Fluoranthene
Concen: 4.706 ng
RT: 18.85 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Tgt Ion:202 Resp: 74905

Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.0	10.6
203	17.3	13.4	20.2



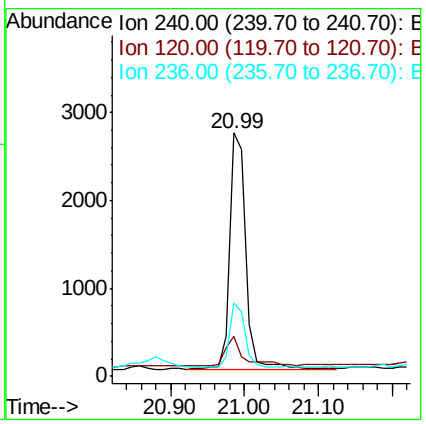


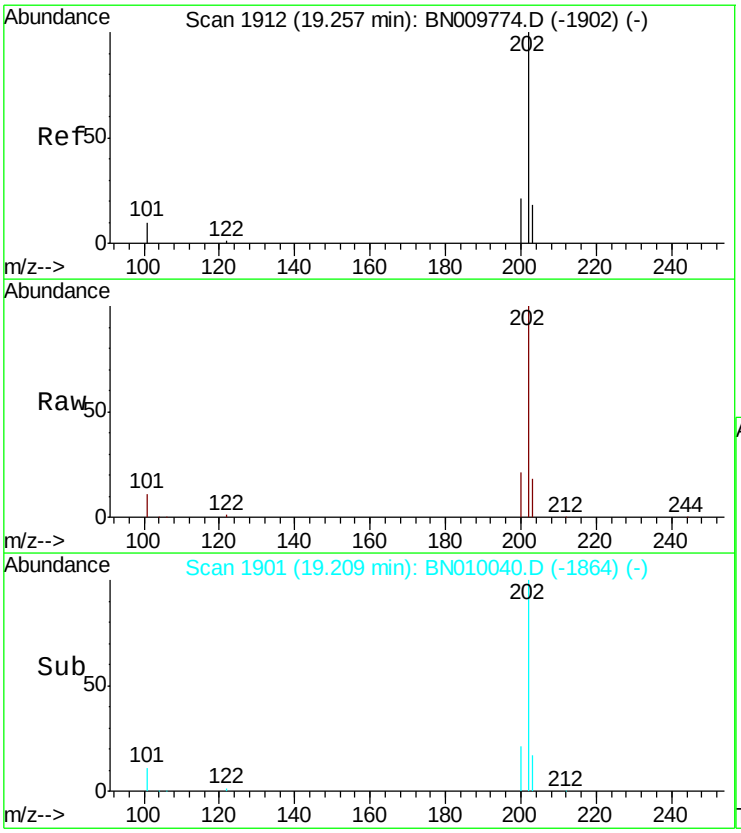
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.99 min Scan# 2154
Delta R.T. -0.02 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Instrument : BNA_N
ClientSampleId :

Tgt Ion:240 Resp: 4140

Ion	Ratio	Lower	Upper
240	100		
120	16.5	8.5	12.7#
236	30.0	22.5	33.7

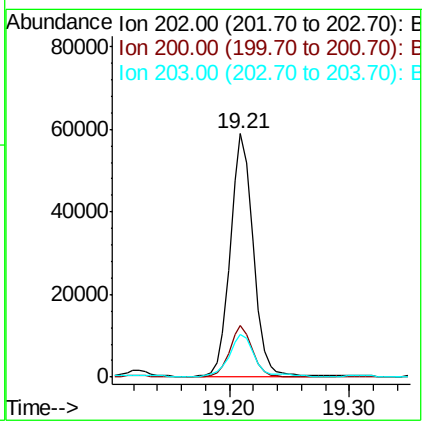


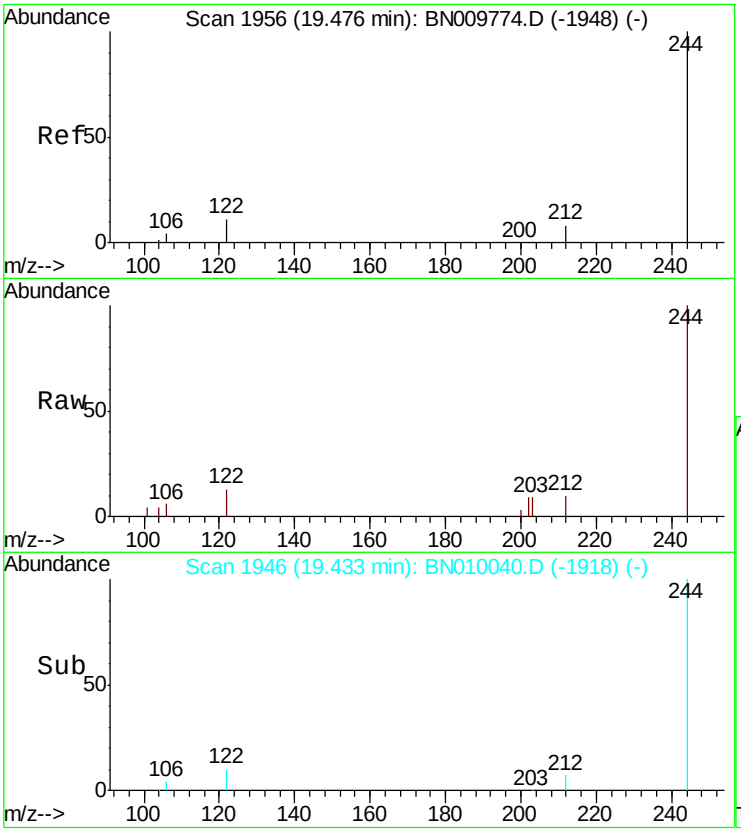


#28
Pyrene
Concen: 4.906 ng
RT: 19.21 min Scan# 1901
Delta R.T. -0.01 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Tgt Ion:202 Resp: 77127

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.2	24.2
203	19.1	14.0	21.0



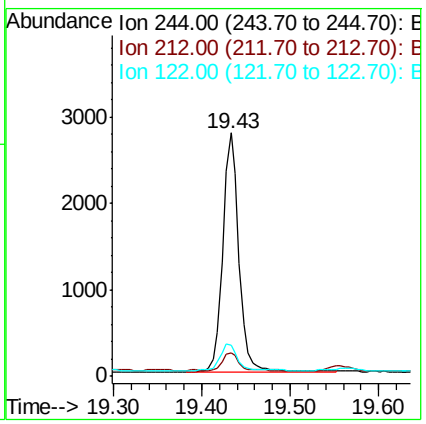


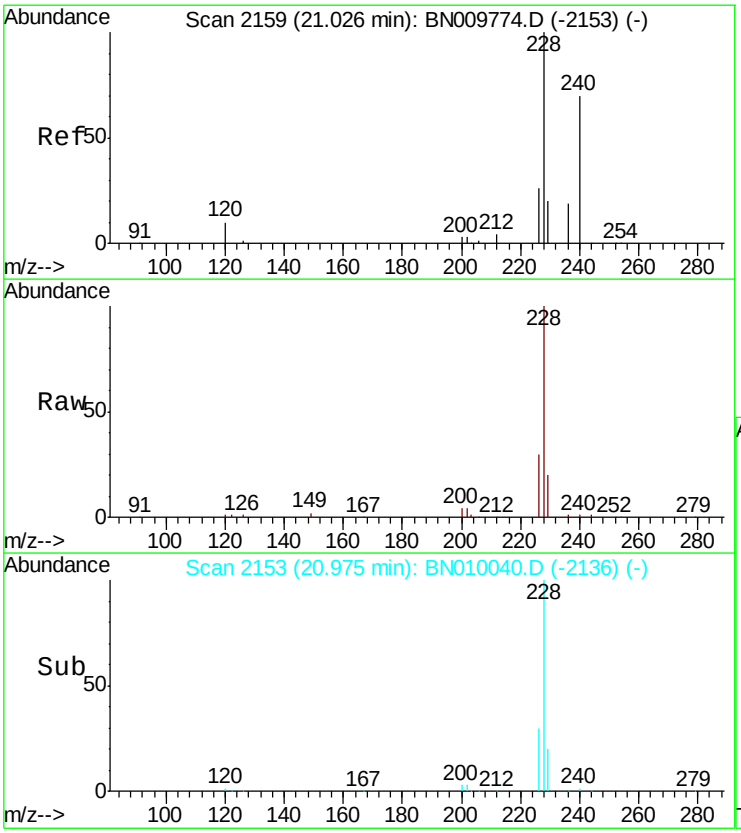
#29
Terphenyl-d14
Concen: 0.355 ng
RT: 19.43 min Scan# 1946
Delta R.T. -0.01 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:244 Resp: 3515

Ion	Ratio	Lower	Upper
244	100		
212	9.8	8.0	12.0
122	12.7	9.9	14.9

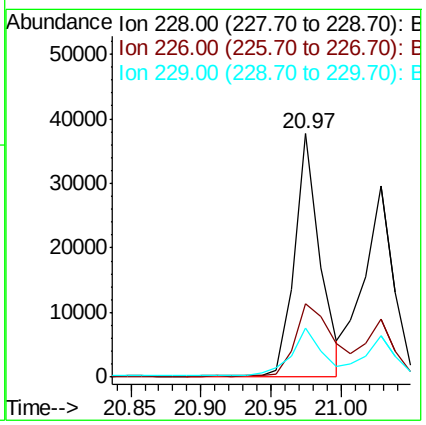


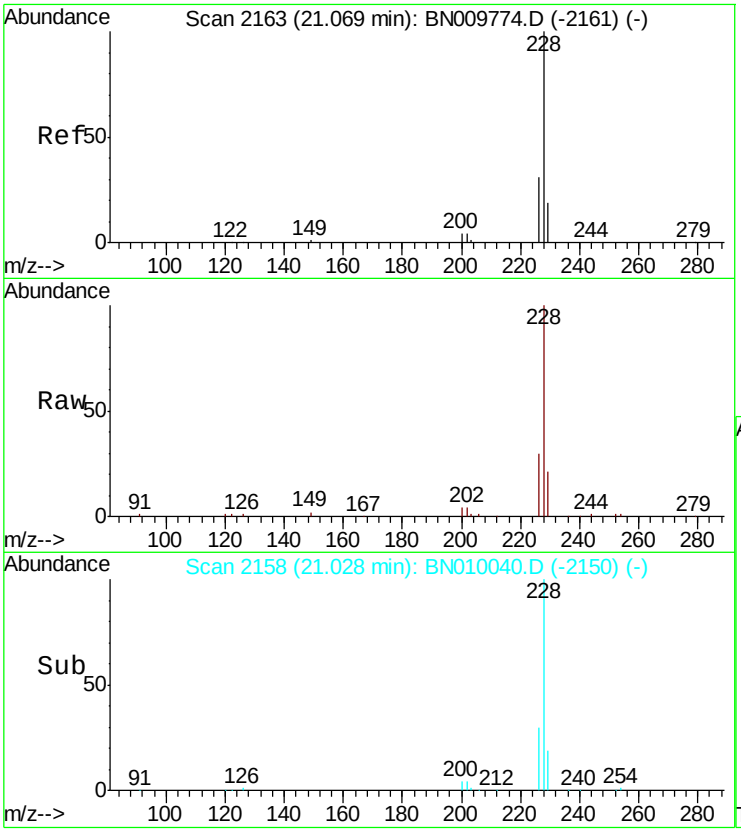


#30
Benzo(a)anthracene
Concen: 3.456 ng
RT: 20.97 min Scan# 2153
Delta R.T. -0.02 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Tgt Ion:228 Resp: 47475

Ion	Ratio	Lower	Upper
228	100		
226	30.3	21.6	32.4
229	20.3	17.1	25.7



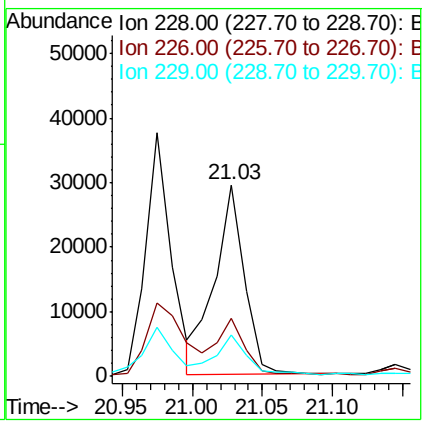


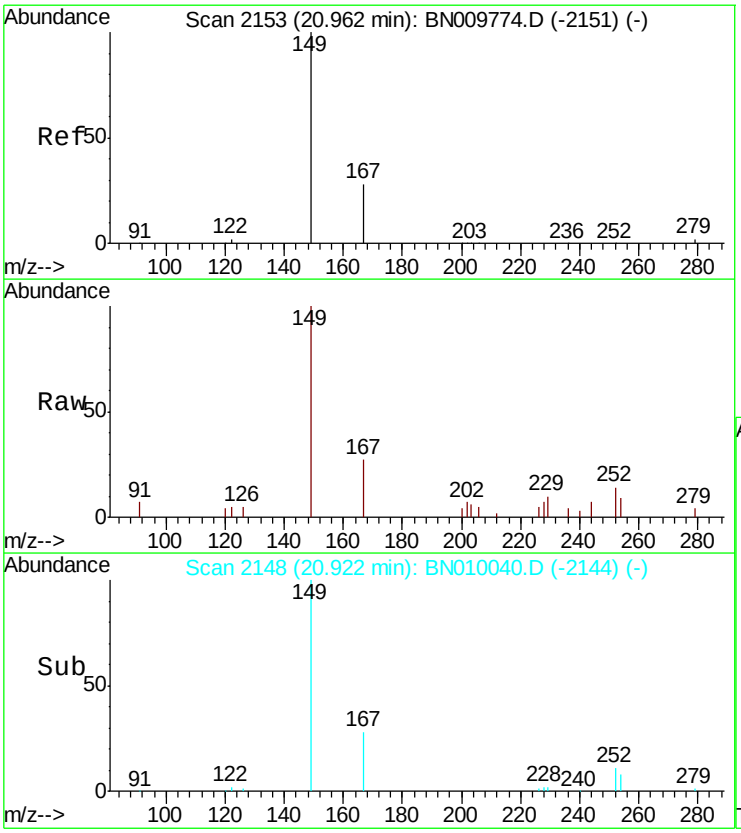
#31
Chrysene
Concen: 2.725 ng
RT: 21.03 min Scan# 2158
Delta R.T. -0.01 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 43306

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.2	36.4
229	21.4	16.5	24.7

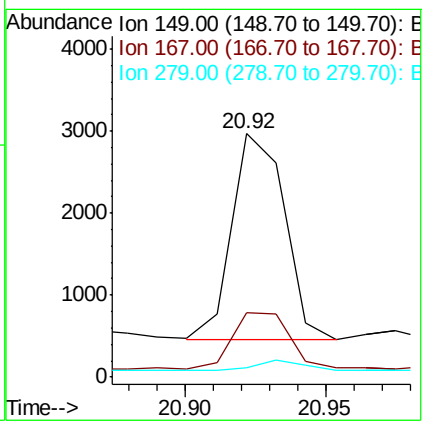


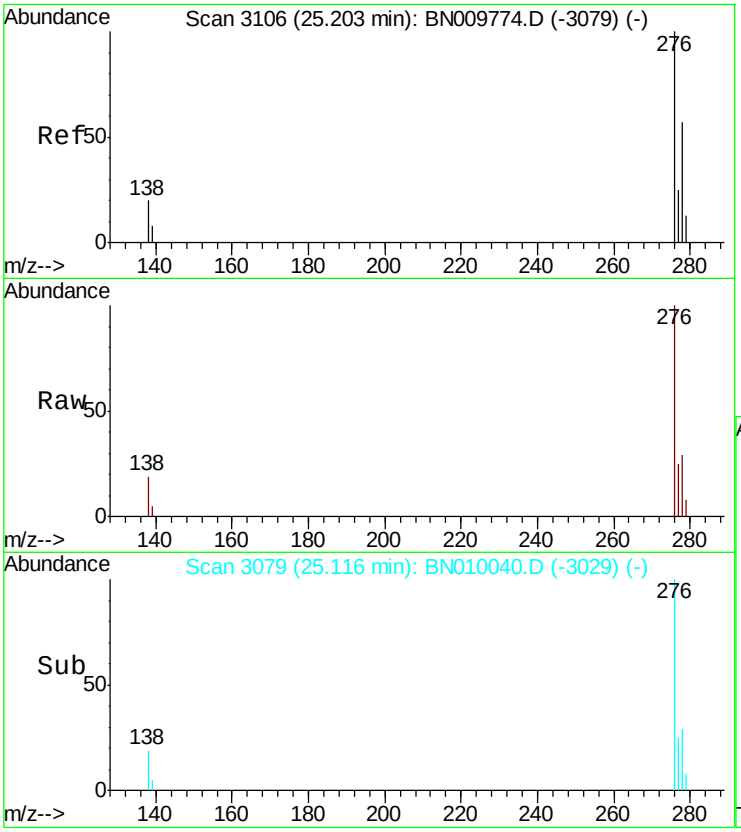


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.494 ng
RT: 20.92 min Scan# 2148
Delta R.T. -0.01 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Tgt Ion:149 Resp: 3313

Ion	Ratio	Lower	Upper
149	100		
167	29.4	22.0	33.0
279	4.8	3.2	4.8



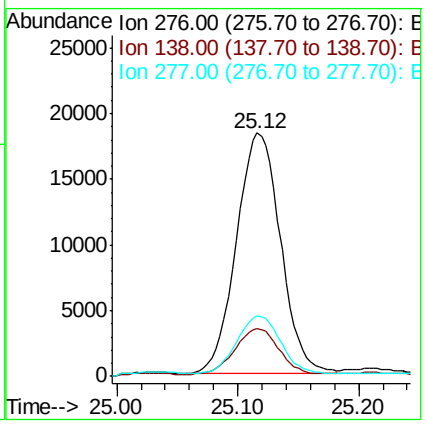


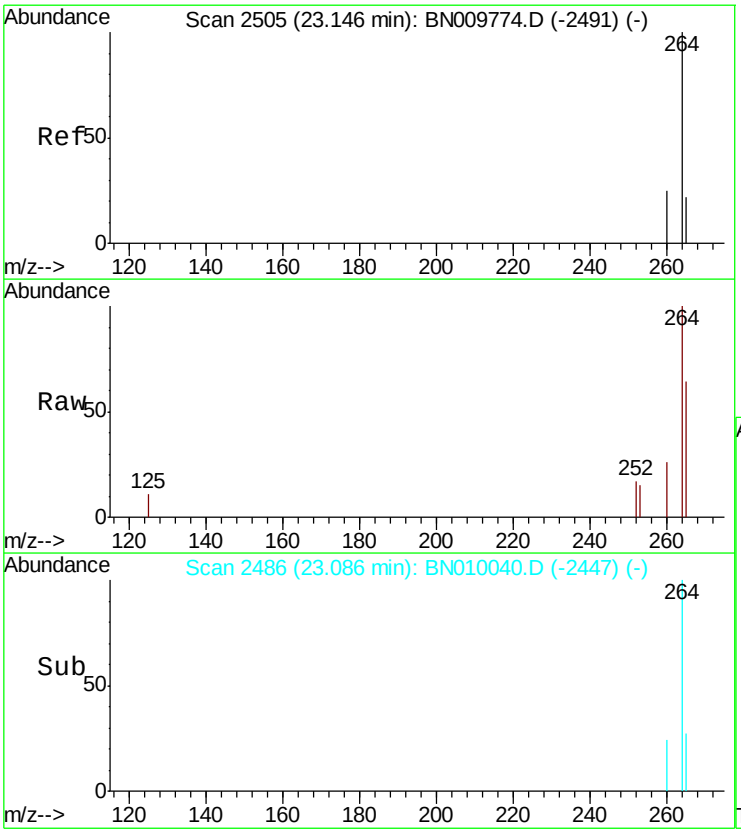
#33
Indeno(1,2,3-cd)pyrene
Concen: 2.786 ng
RT: 25.12 min Scan# 3079
Delta R.T. -0.03 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 46108

Ion	Ratio	Lower	Upper
276	100		
138	19.6	16.6	25.0
277	24.7	18.6	28.0

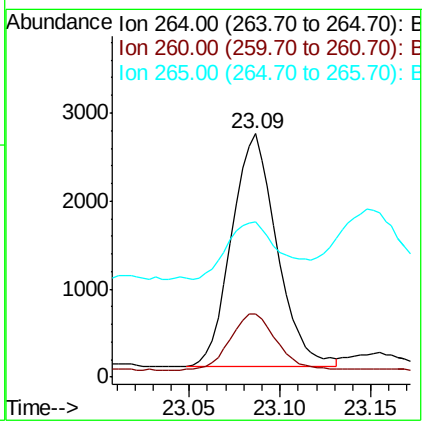


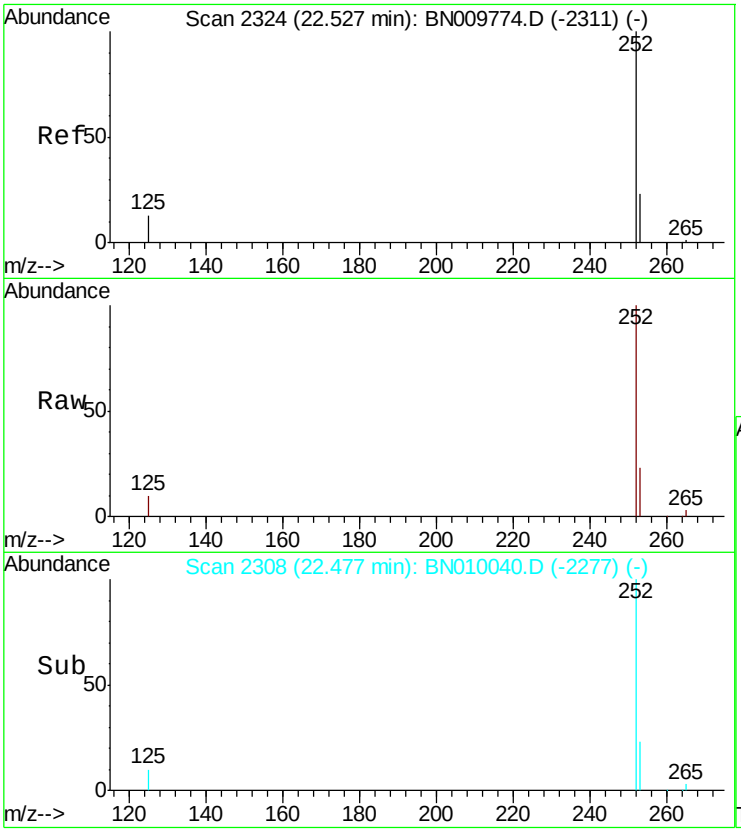


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.09 min Scan# 2486
Delta R.T. -0.02 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Tgt Ion:264 Resp: 4594

Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.4	30.6
265	63.6	50.5	75.7



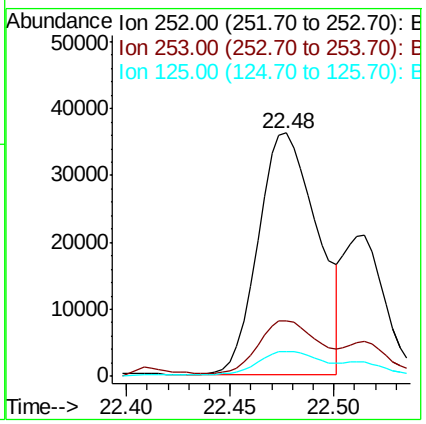


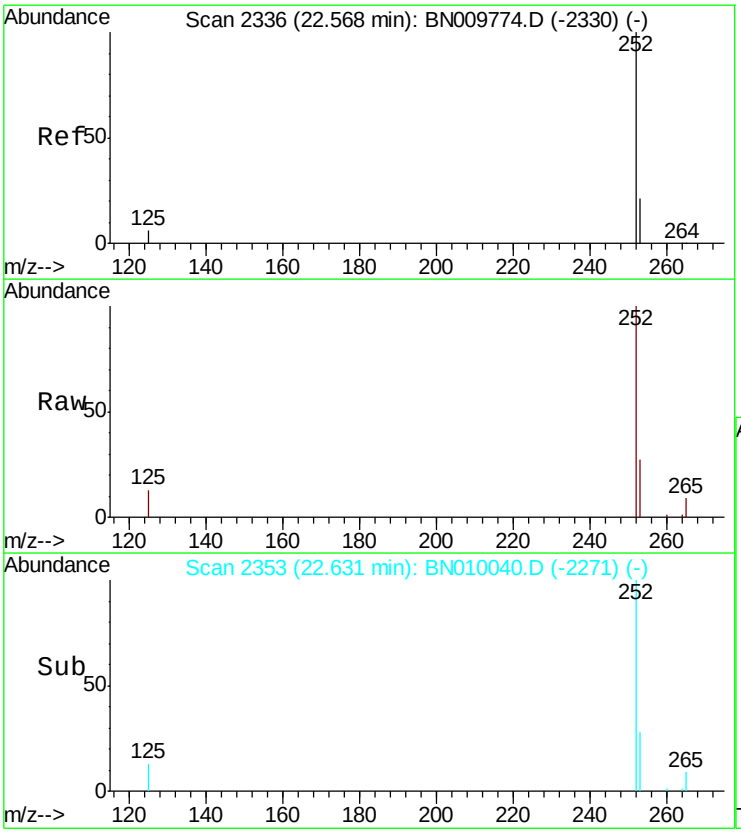
#35
Benzo(b)fluoranthene
Concen: 4.233 ng
RT: 22.48 min Scan# 2308
Delta R.T. -0.01 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 71099

Ion	Ratio	Lower	Upper
252	100		
253	23.0	23.1	34.7#
125	10.2	18.6	27.8#

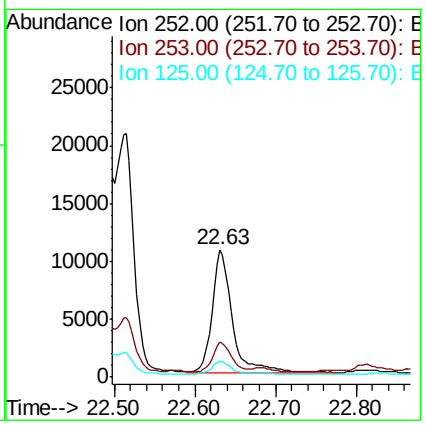


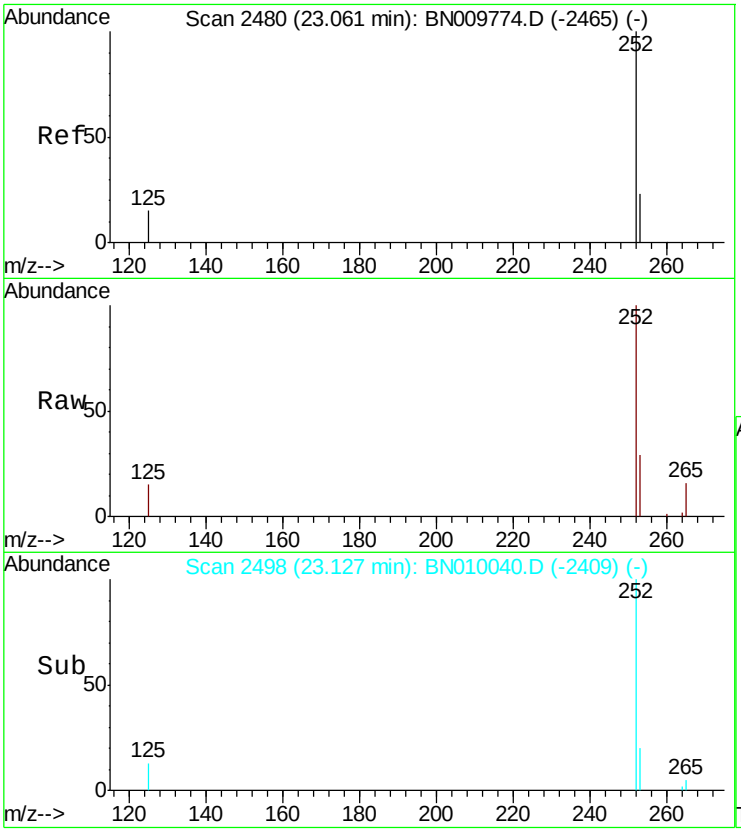


#36
Benzo(k)fluoranthene
Concen: 0.993 ng
RT: 22.63 min Scan# 2353
Delta R.T. 0.10 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Tgt Ion:252 Resp: 18151

Ion	Ratio	Lower	Upper
252	100		
253	27.1	22.0	33.0
125	12.6	11.1	16.7



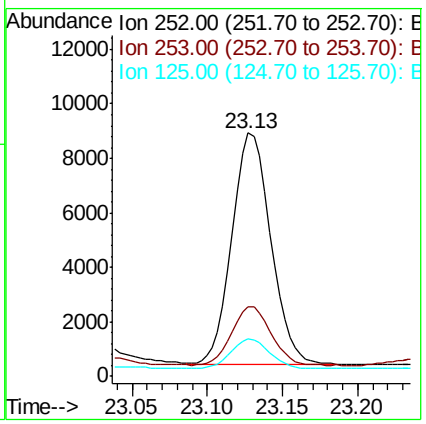


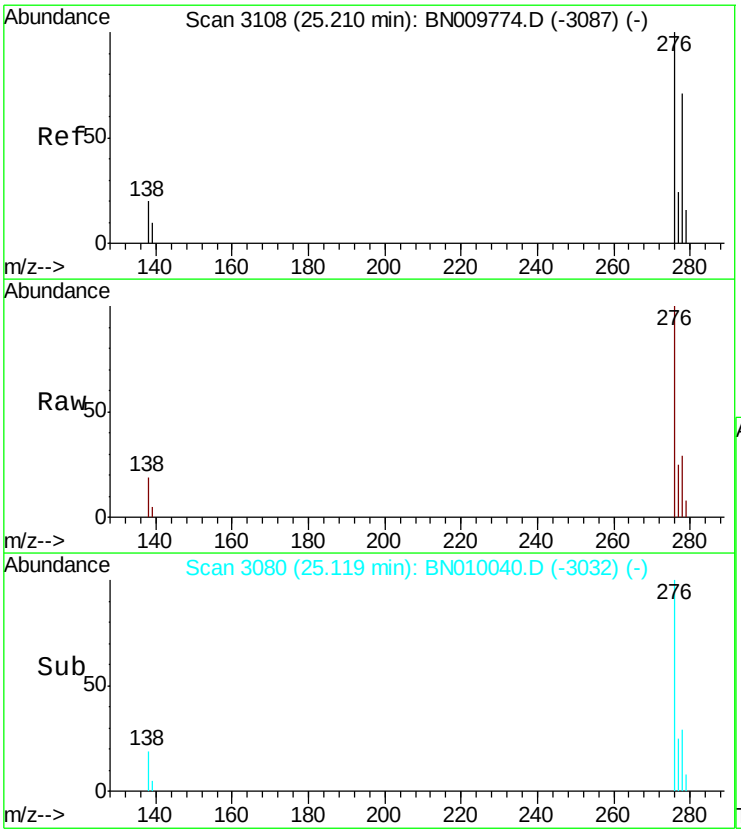
#37
Benzo(a)pyrene
Concen: 0.985 ng
RT: 23.13 min Scan# 2498
Delta R.T. 0.11 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 15088

Ion	Ratio	Lower	Upper
252	100		
253	28.5	24.6	36.8
125	15.5	14.3	21.5

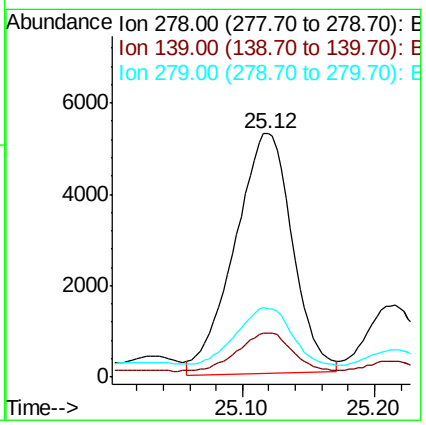


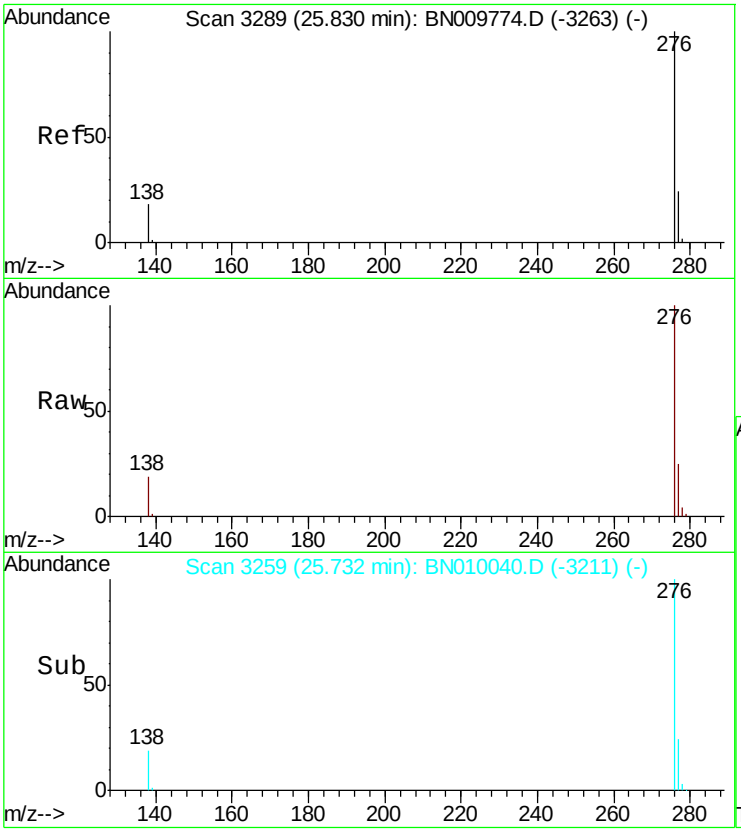


#38
Dibenzo(a,h)anthracene
Concen: 1.059 ng
RT: 25.12 min Scan# 3080
Delta R.T. -0.03 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Tgt Ion:278 Resp: 15983

Ion	Ratio	Lower	Upper
278	100		
139	18.1	14.4	21.6
279	28.1	24.4	36.6





#39
Benzo(g,h,i)perylene
Concen: 3.023 ng
RT: 25.73 min Scan# 3259
Delta R.T. -0.03 min
Lab File: BN010040.D
Acq: 02 Mar 2020 14:52

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 48597

Ion	Ratio	Lower	Upper
276	100		
277	24.7	21.4	32.0
138	19.4	17.0	25.4