Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061520\
Data File : BN010875.D
Acq On : 15 Jun 2020 15:51
Operator : CG/JU
Sample : SP5148
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SP5148

Quant Time: Jun 15 17:09:31 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 15 11:09:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	3174	0.40	ng		0.00
7) Naphthalene-d8	10.30	136	11066	0.40	ng		0.00
13) Acenaphthene-d10	14.17	164	5669	0.40	ng		0.00
19) Phenanthrene-d10	16.92	188	10095	0.40	ng		0.00
27) Chrysene-d12	21.13	240	7859	0.40	ng		0.00
34) Perylene-d12	23.28	264	8481	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.00	112	0d	0.00	ng		
5) Phenol-d6	0.00	99	0d	0.00	ng		
8) Nitrobenzene-d5	0.00	82	0d	0.00	ng		
11) 2-Methylnaphthalene-d10	0.00	152	0d	0.00	ng		
14) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ng		
15) 2-Fluorobiphenyl	0.00	172	0d	0.00	ng		
25) Fluoranthene-d10	0.00	212	0d	0.00	ng		
29) Terphenyl-d14	0.00	244	0d	0.00	ng		
Target Compounds							Qvalue
2) 1,4-Dioxane	3.22	88	1167	0.375	ng	#	82
3) n-Nitrosodimethylamine	3.55	42	680	0.376	ng	#	97
6) bis(2-Chloroethyl)ether	6.99	93	2837	0.403	ng		94
9) Naphthalene	10.34	128	9969	0.358	ng		100
10) Hexachlorobutadiene	10.65	225	2245	0.327	ng	#	99
12) 2-Methylnaphthalene	11.97	142	6656	0.358	ng		99
16) Acenaphthylene	13.88	152	8297	0.357	ng		100
17) Acenaphthene	14.24	154	5578	0.352	ng		98
18) Fluorene	15.23	166	6808	0.333	ng		100
20) 4-Bromophenyl-phenylether	16.12	248	2038	0.336	ng	#	87
21) Hexachlorobenzene	16.24	284	2349	0.371	ng		98
22) Pentachlorophenol	16.59	266	1380	0.650	ng		97
23) Phenanthrene	16.96	178	9381	0.340	ng		99
24) Anthracene	17.06	178	7917	0.344	ng		99
26) Fluoranthene	18.99	202	9167	0.293	ng		98
28) Pyrene	19.36	202	9235	0.355	ng		99
30) Benzo(a)anthracene	21.11	228	8085	0.350	ng		98
31) Chrysene	21.16	228	8872	0.330	ng		99
32) Bis(2-ethylhexyl)phthalate	21.07	149	2883	0.374	ng		97
33) Indeno(1,2,3-cd)pyrene	25.39	276	11792	0.392	ng	#	97
35) Benzo(b)fluoranthene	22.64	252	9191	0.319	ng	#	97
36) Benzo(k)fluoranthene	22.68	252	9955	0.324	ng	#	96
37) Benzo(a)pyrene	23.19	252	8011	0.324	ng		98
38) Dibenzo(a,h)anthracene	25.41	278	9670	0.343	ng		98
39) Benzo(g,h,i)perylene	26.02	276	10746	0.364	ng		98

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

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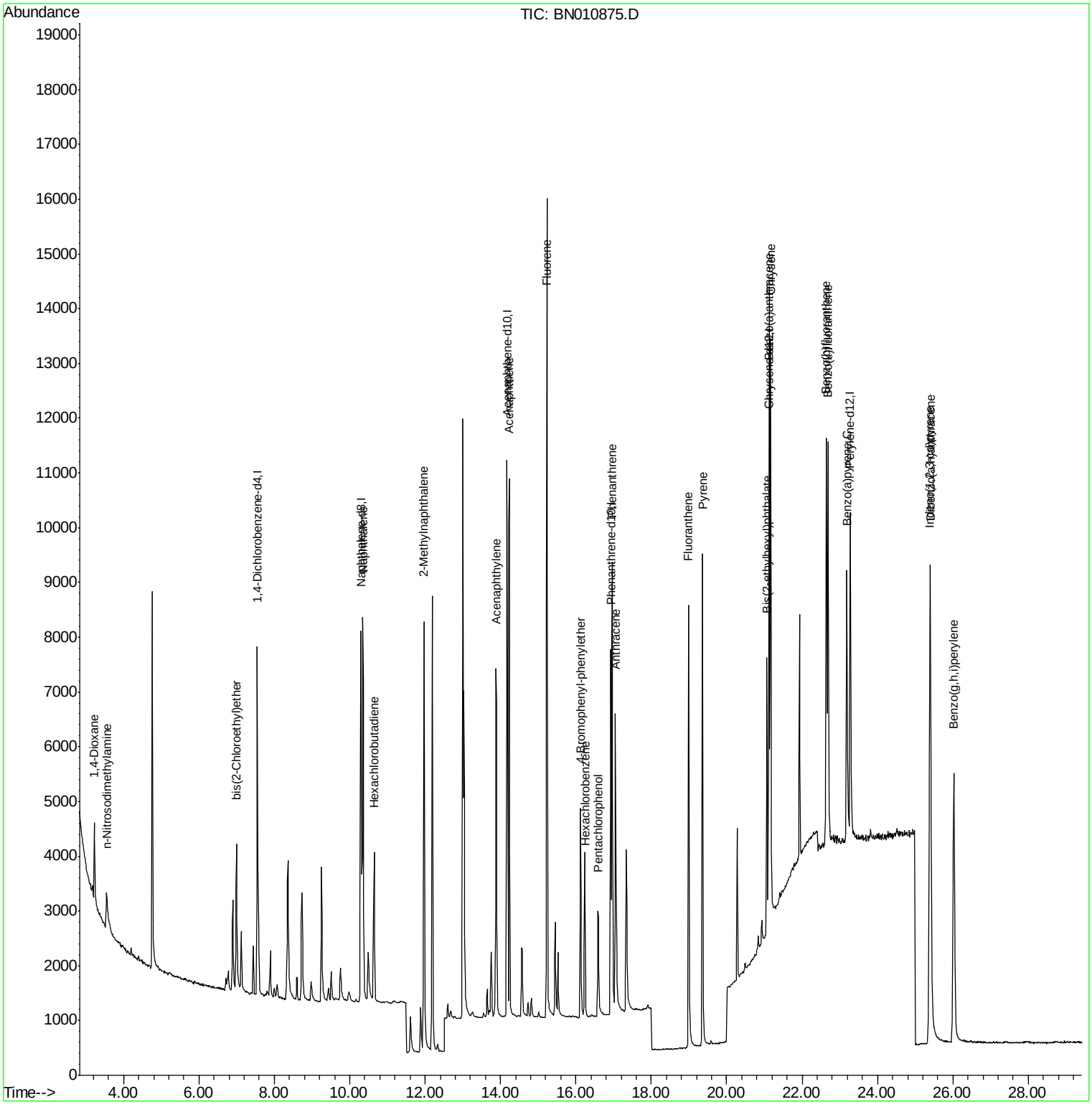
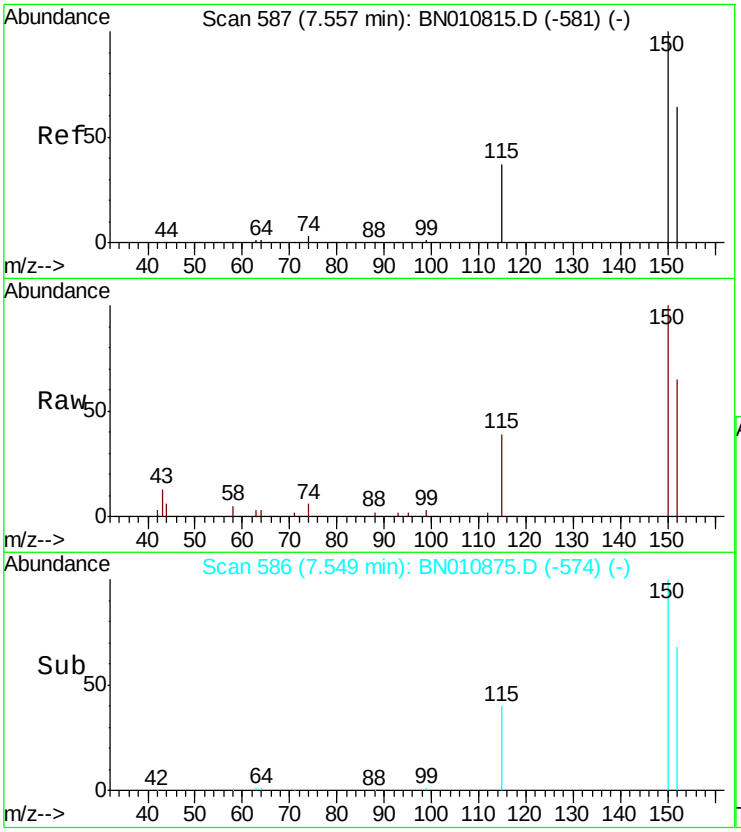
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SP5148

Quant Time: Jun 15 17:09:31 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 15 11:09:46 2020
Response via : Initial Calibration



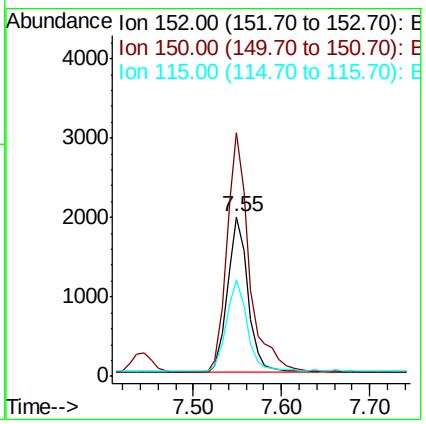


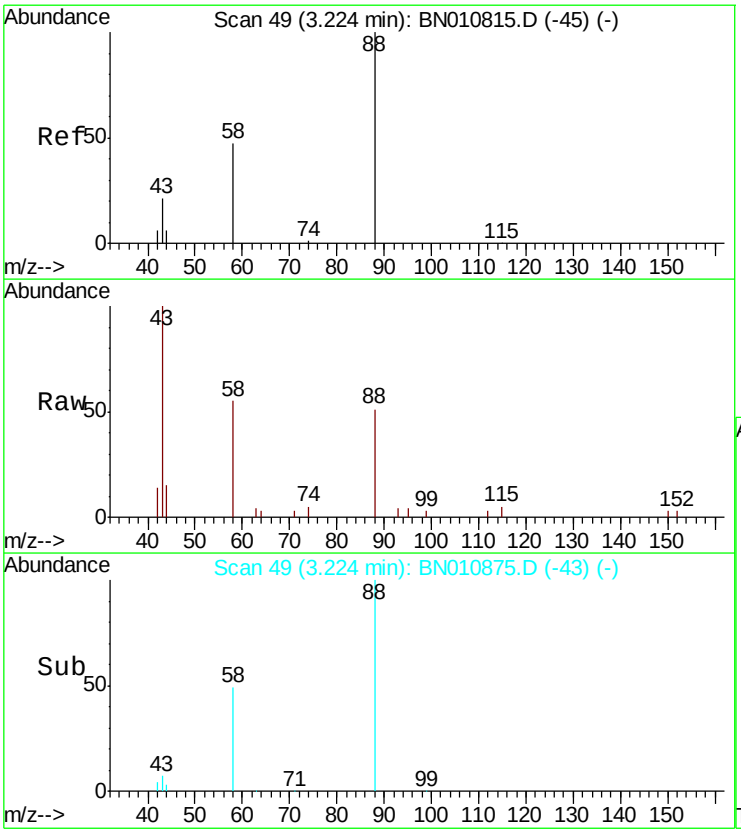
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.55 min Scan# 586
Delta R.T. 0.00 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Instrument :
BNA_N
ClientSampleId :
SP5148

Tgt Ion:152 Resp: 3174

Ion	Ratio	Lower	Upper
152	100		
150	152.8	123.8	185.6
115	60.2	49.2	73.8

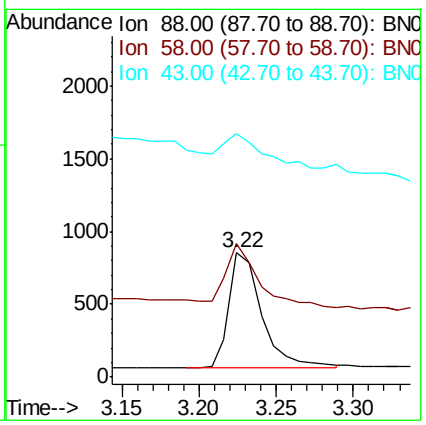


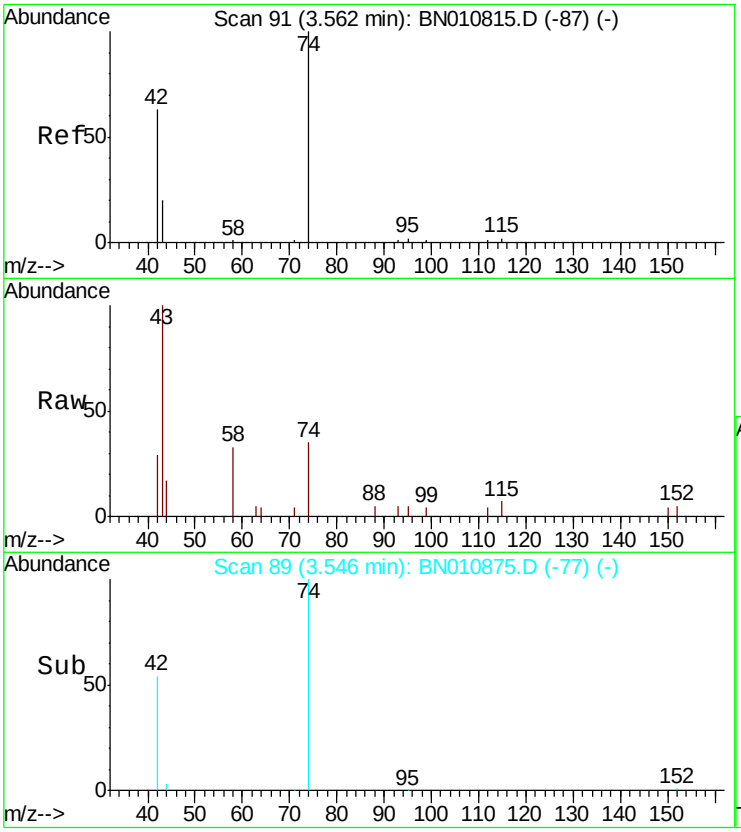


#2
1,4-Dioxane
Concen: 0.375 ng
RT: 3.22 min Scan# 49
Delta R.T. 0.00 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Tgt Ion: 88 Resp: 1167

Ion	Ratio	Lower	Upper
88	100		
58	55.6	38.2	57.4
43	33.5	15.1	22.7#



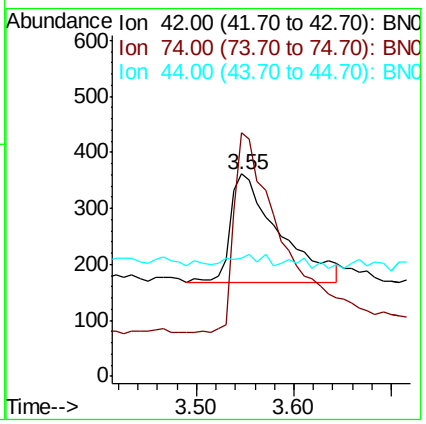


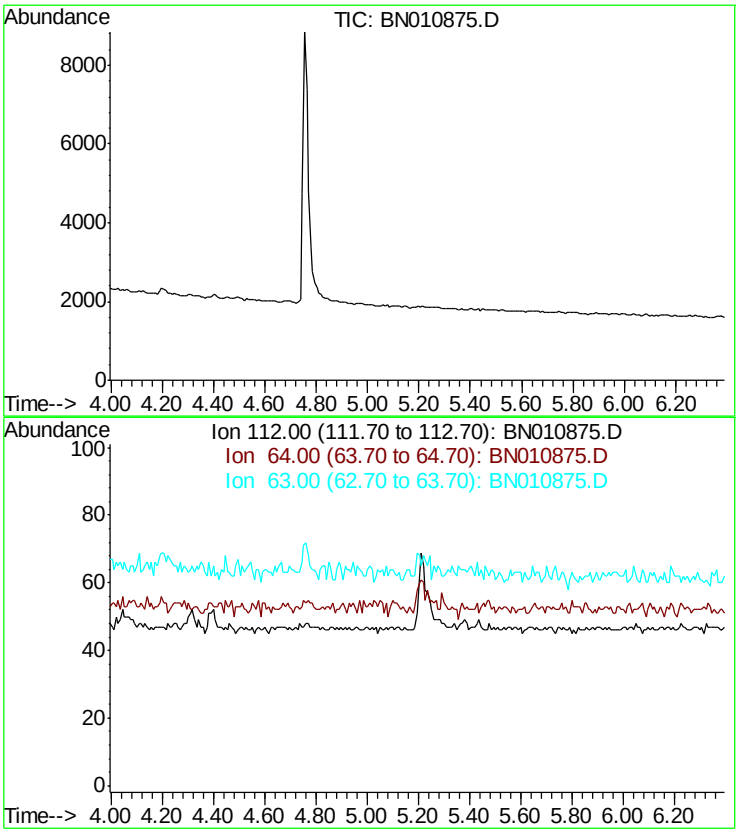
#3
n-Nitrosodimethylamine
Concen: 0.376 ng
RT: 3.55 min Scan# 89
Delta R.T. 0.00 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Instrument :
BNA_N
ClientSampleId :
SP5148

Tgt Ion: 42 Resp: 680

Ion	Ratio	Lower	Upper
42	100		
74	179.7	140.7	211.1
44	7.1	1.4	2.2#



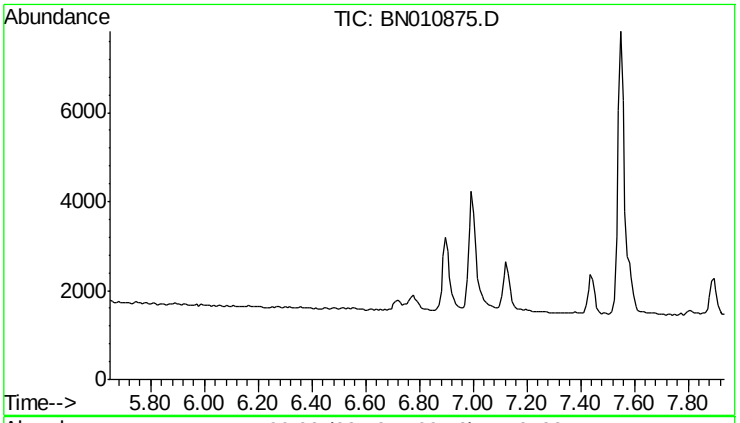


#4
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.20 min

Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	46.7
63	27.8



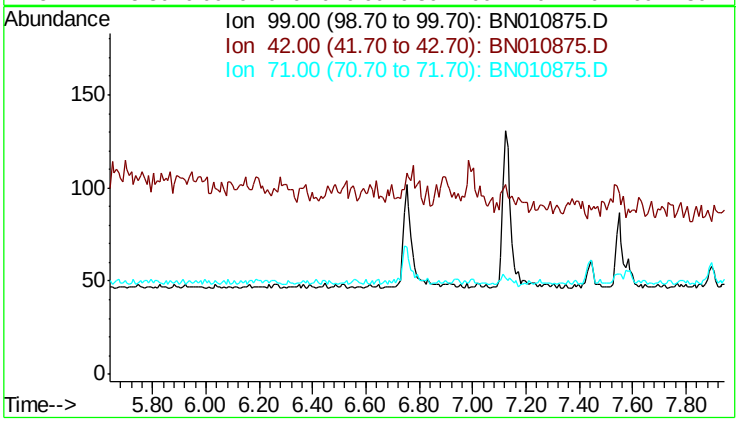
#5
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.74 min

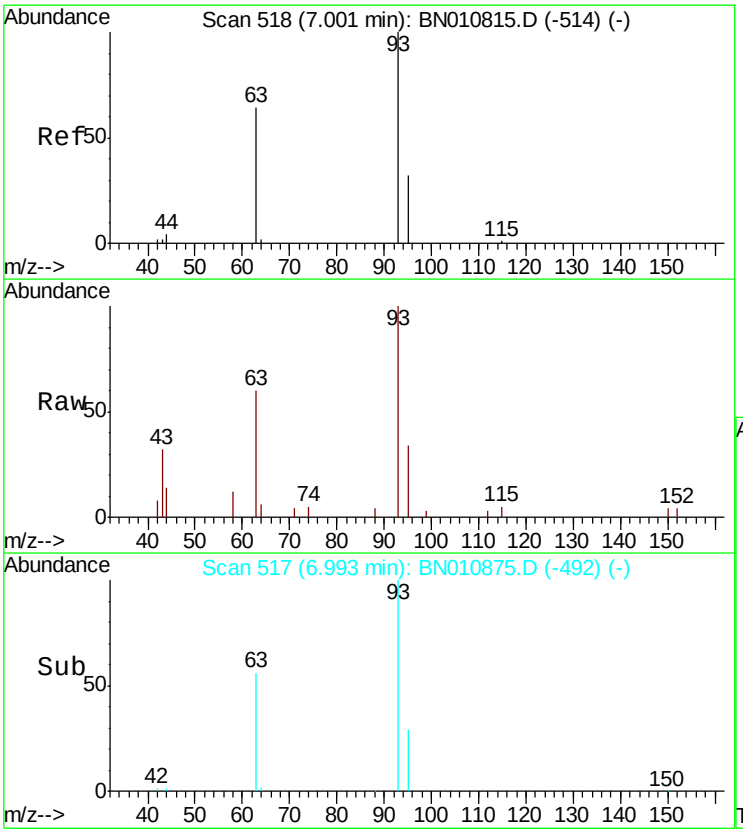
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	13.9
71	39.3

Instrument :
BNA_N
ClientSampleId :
SP5148

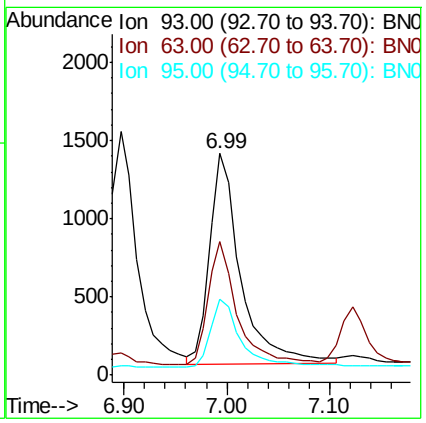


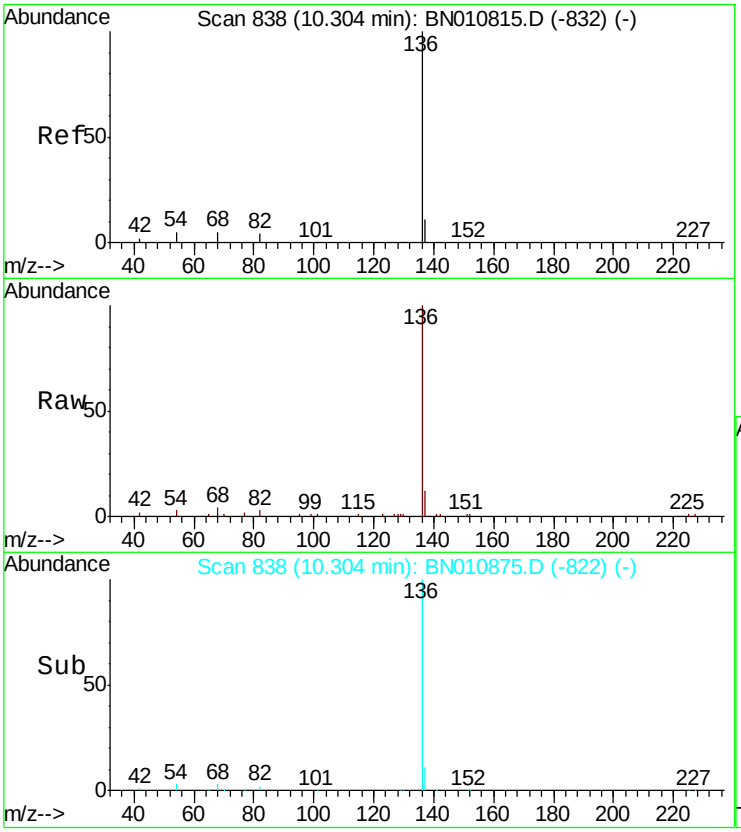


#6
bis(2-Chloroethyl)ether
Concen: 0.403 ng
RT: 6.99 min Scan# 517
Delta R.T. 0.00 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Tgt Ion: 93 Resp: 2837

Ion	Ratio	Lower	Upper
93	100		
63	55.3	49.4	74.2
95	32.3	26.7	40.1



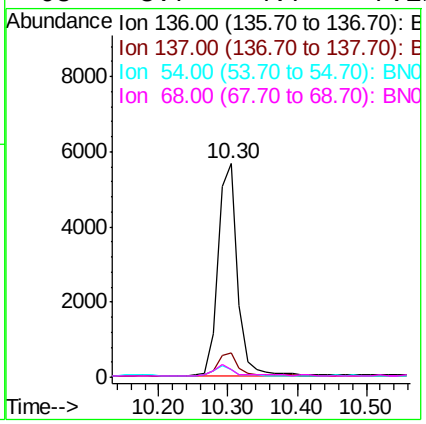


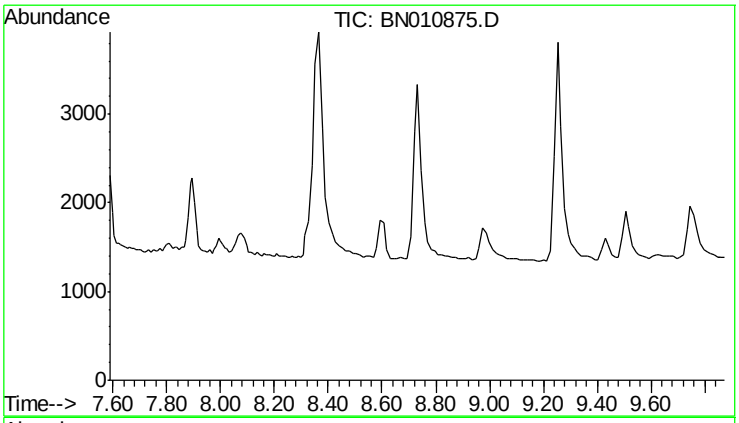
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.30 min Scan# 838
Delta R.T. 0.00 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Instrument :
BNA_N
ClientSampleId :
SP5148

Tgt Ion:136 Resp: 11066

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.7	14.5
54	3.4	4.9	7.3#
68	3.7	4.7	7.1#



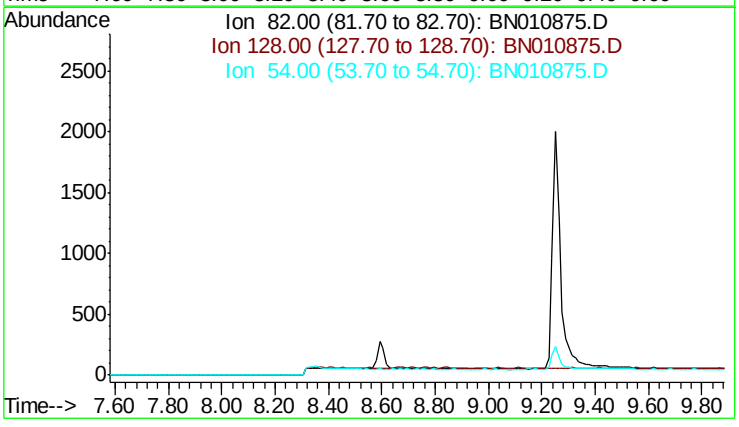


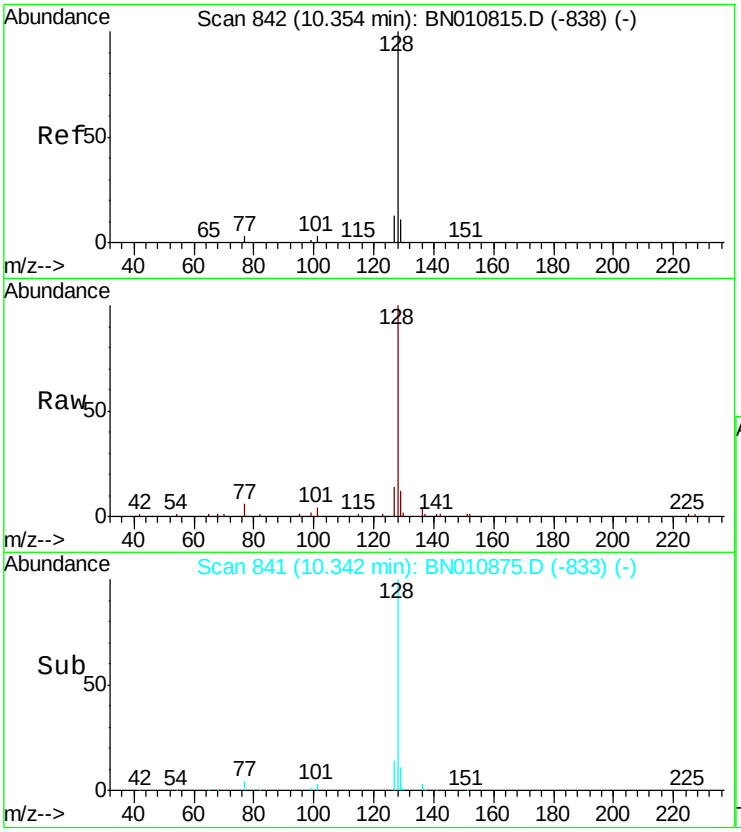
#8
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.68 min

Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	44.2
54	35.3



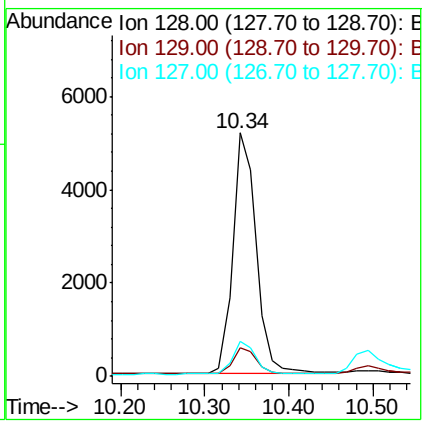


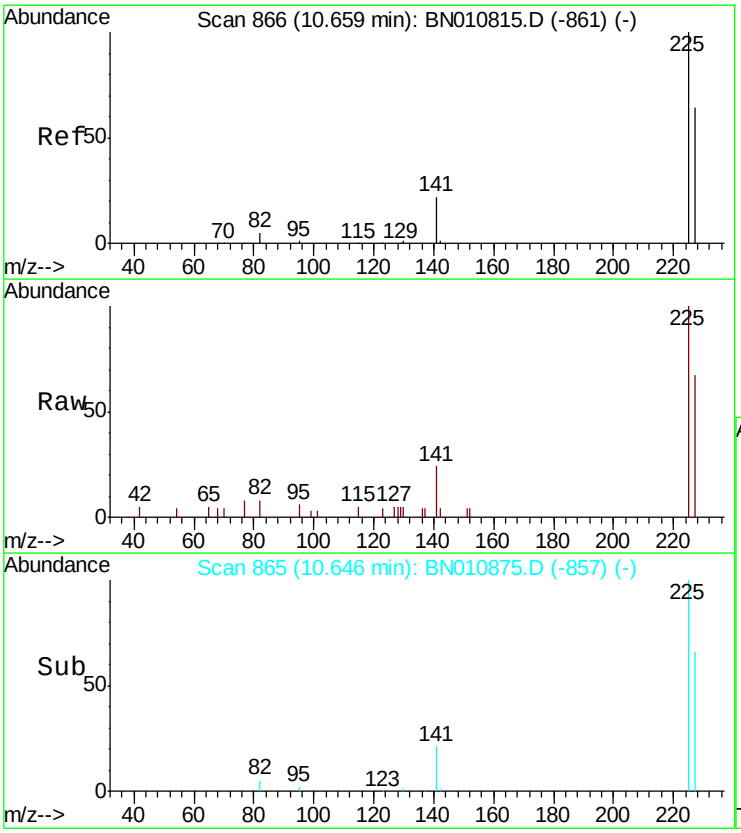
#9
Naphthalene
Concen: 0.358 ng
RT: 10.34 min Scan# 841
Delta R.T. 0.00 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Instrument :
BNA_N
ClientSampleId :
SP5148

Tgt Ion:128 Resp: 9969

Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.6	14.4
127	14.3	11.4	17.2

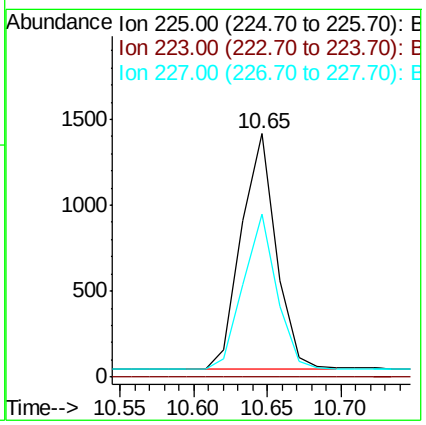


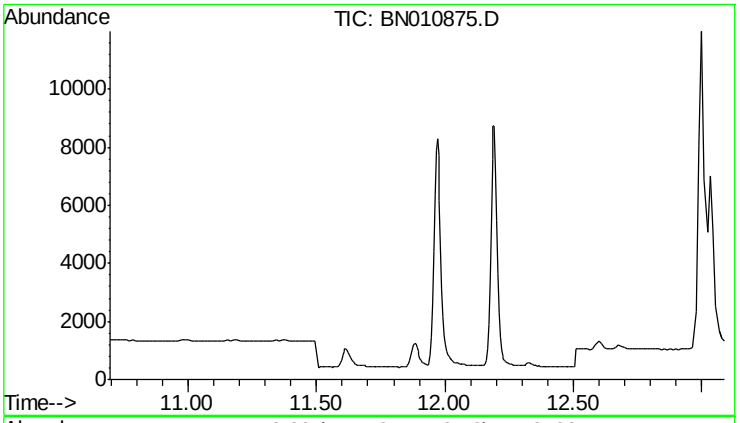


#10
Hexachlorobutadiene
Concen: 0.327 ng
RT: 10.65 min Scan# 865
Delta R.T. 0.00 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Tgt Ion:225 Resp: 2245

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	50.5	75.7





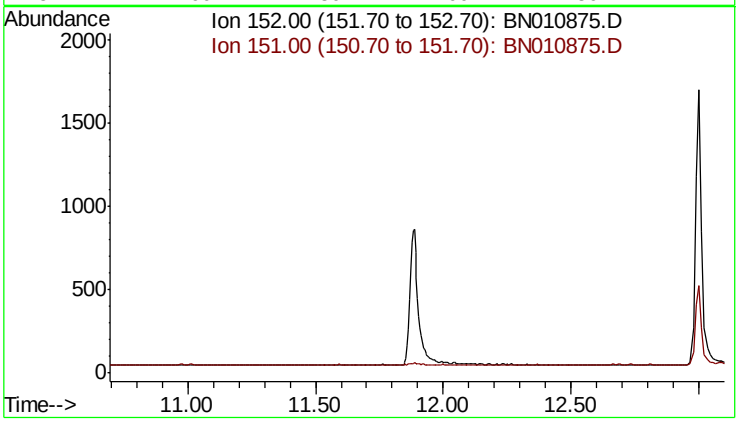
#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
Expected RT: 11.89 min

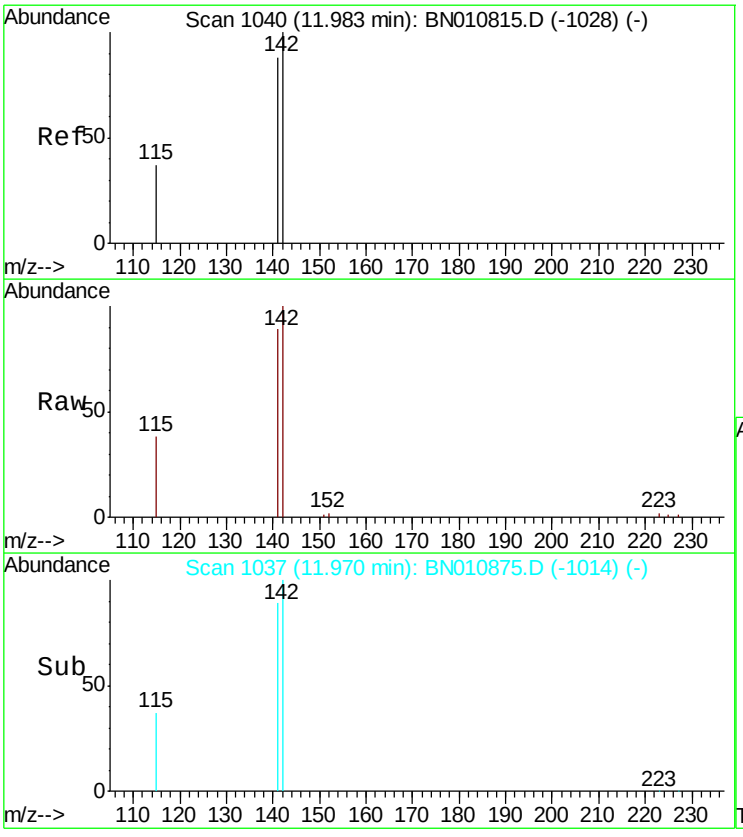
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Tgt Ion: 152

Sig	Exp Ratio
152	100
151	19.1

Instrument :
BNA_N
ClientSampleId :
SP5148

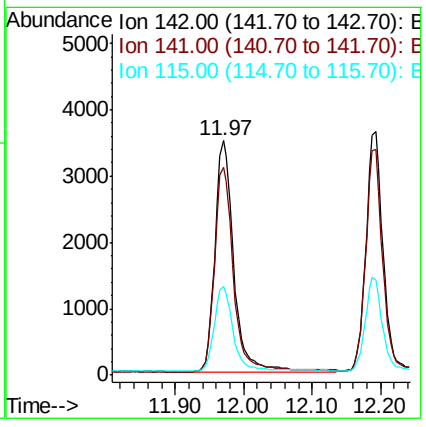


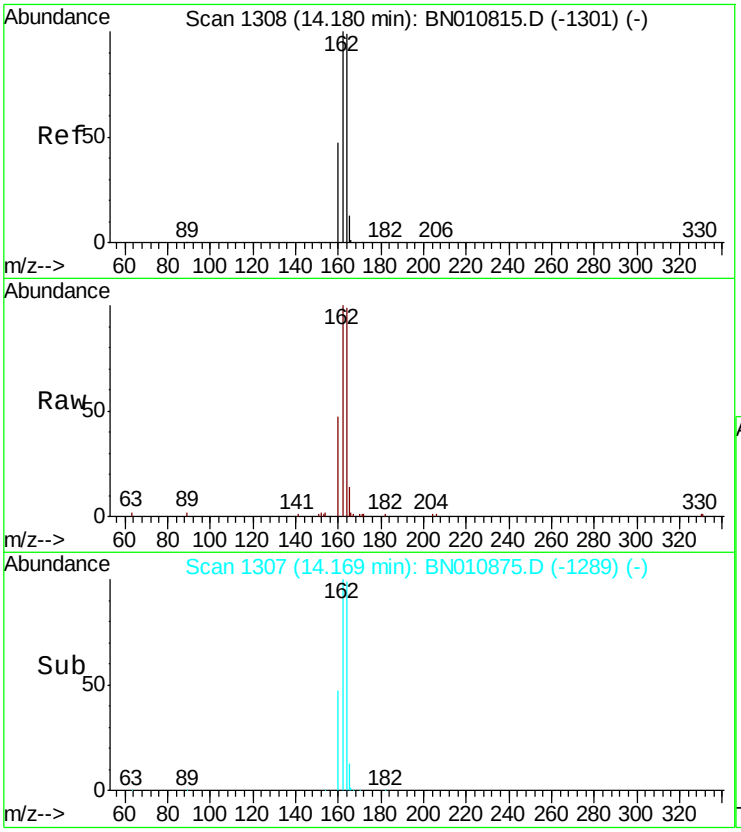


#12
2-Methylnaphthalene
Concen: 0.358 ng
RT: 11.97 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Tgt Ion:142 Resp: 6656

Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.8	106.2
115	38.1	31.5	47.3



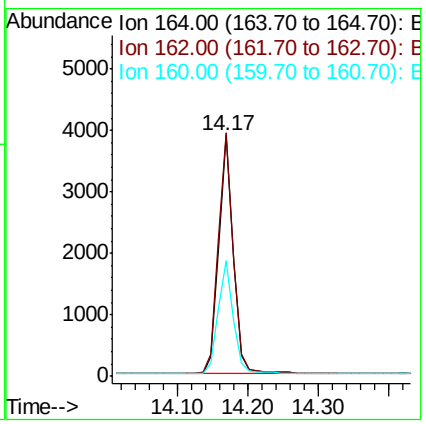


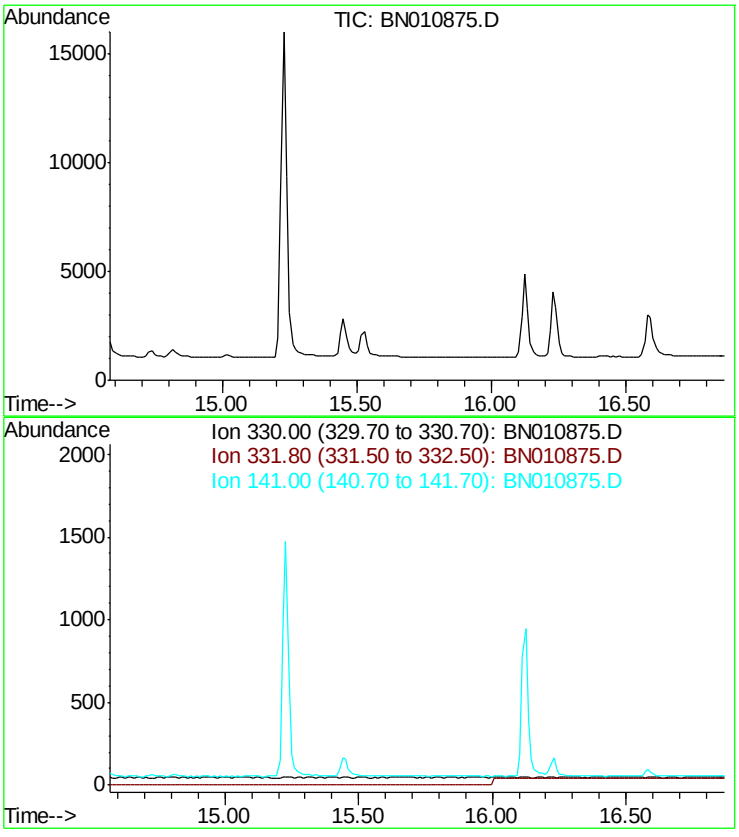
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.17 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Instrument :
BNA_N
ClientSampleId :
SP5148

Tgt Ion:164 Resp: 5669

Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.0	121.6
160	47.9	38.9	58.3



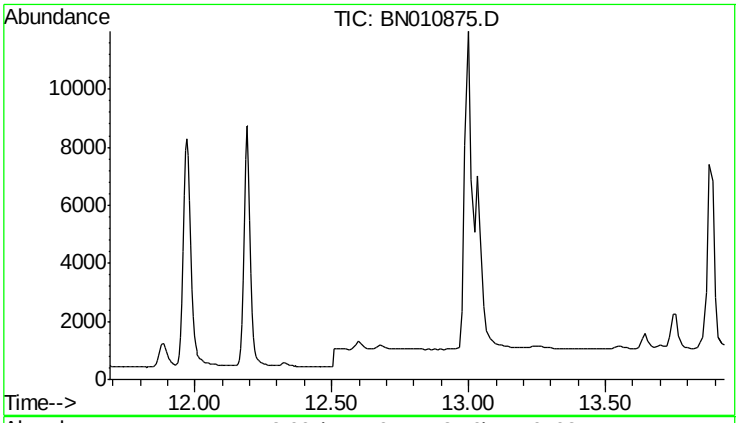


#14
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.67 min

Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	0.0
141	41.5



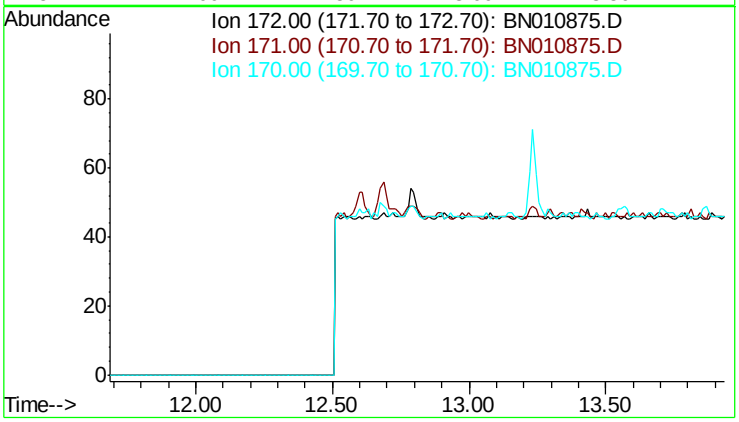
#15
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 12.79 min

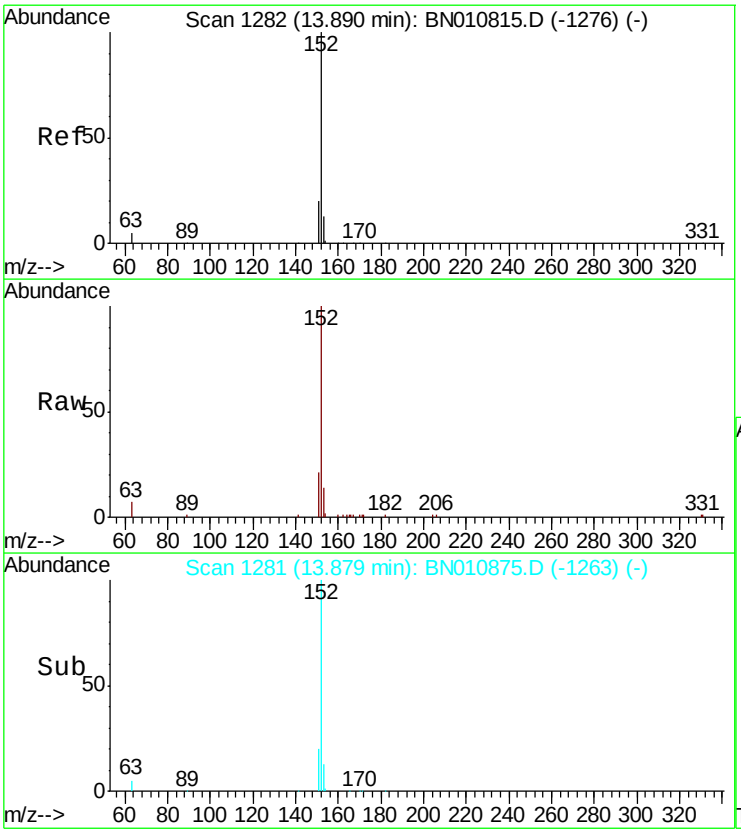
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Tgt Ion: 172

Sig	Exp Ratio
172	100
171	35.6
170	24.6

Instrument :
BNA_N
ClientSampleId :
SP5148

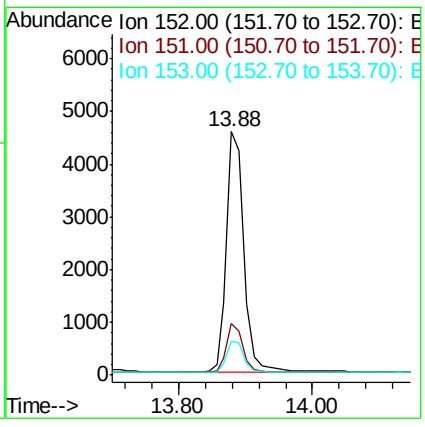


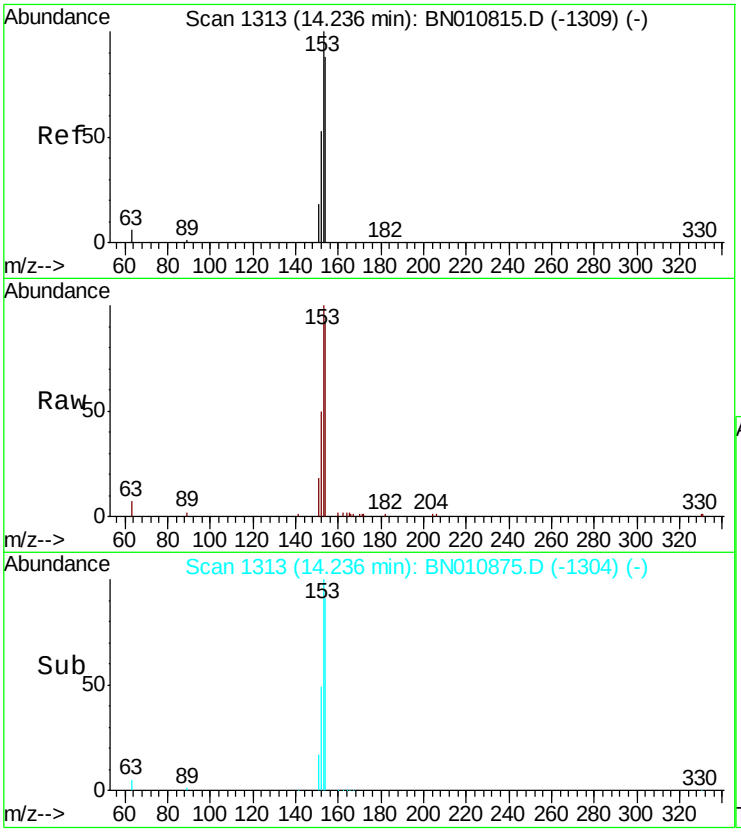


#16
Acenaphthylene
Concen: 0.357 ng
RT: 13.88 min Scan# 1281
Delta R.T. 0.00 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Tgt Ion:152 Resp: 8297

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.6	23.4
153	13.3	10.6	16.0



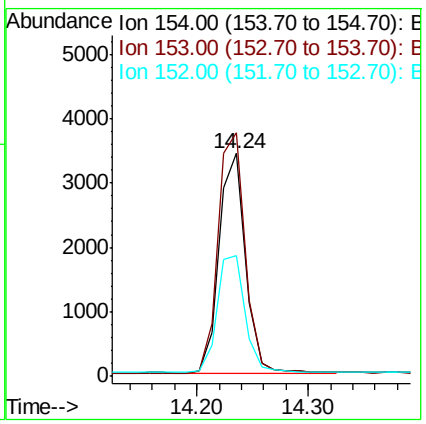


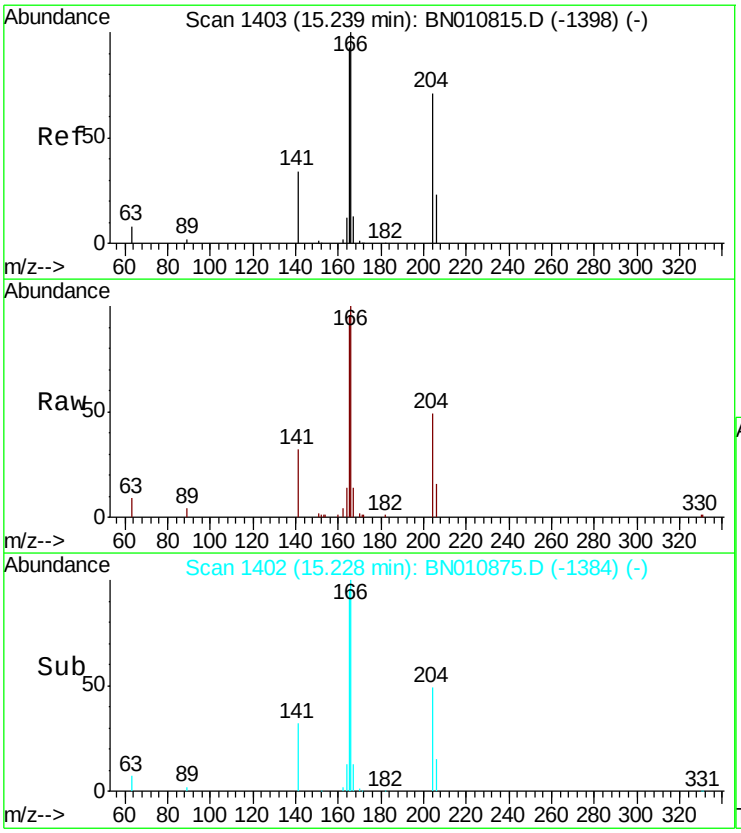
#17
Acenaphthene
Concen: 0.352 ng
RT: 14.24 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Instrument :
BNA_N
ClientSampleId :
SP5148

Tgt Ion:154 Resp: 5578

Ion	Ratio	Lower	Upper
154	100		
153	112.9	91.8	137.6
152	57.1	47.6	71.4

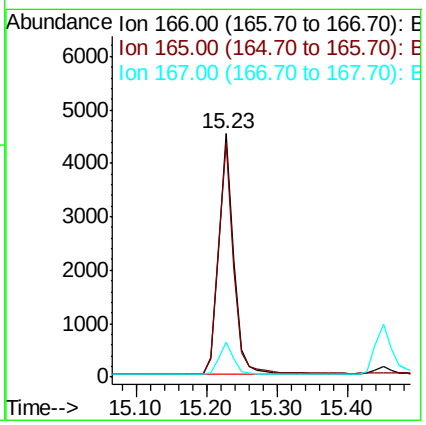


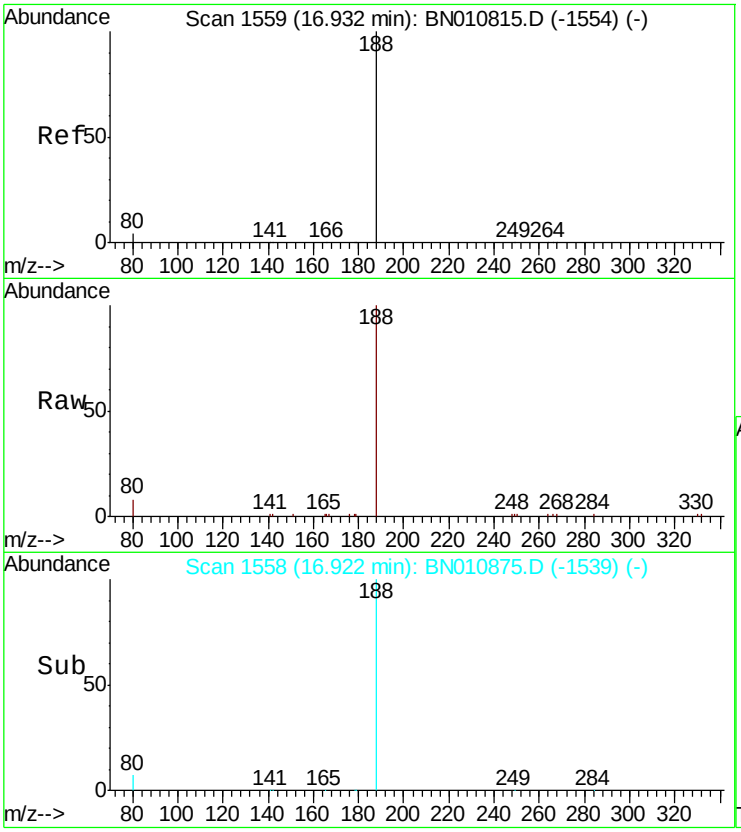


#18
Fluorene
Concen: 0.333 ng
RT: 15.23 min Scan# 1402
Delta R.T. 0.00 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Tgt Ion:166 Resp: 6808

Ion	Ratio	Lower	Upper
166	100		
165	96.7	77.2	115.8
167	13.6	10.7	16.1



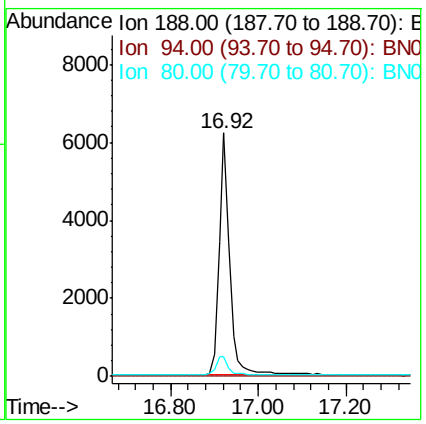


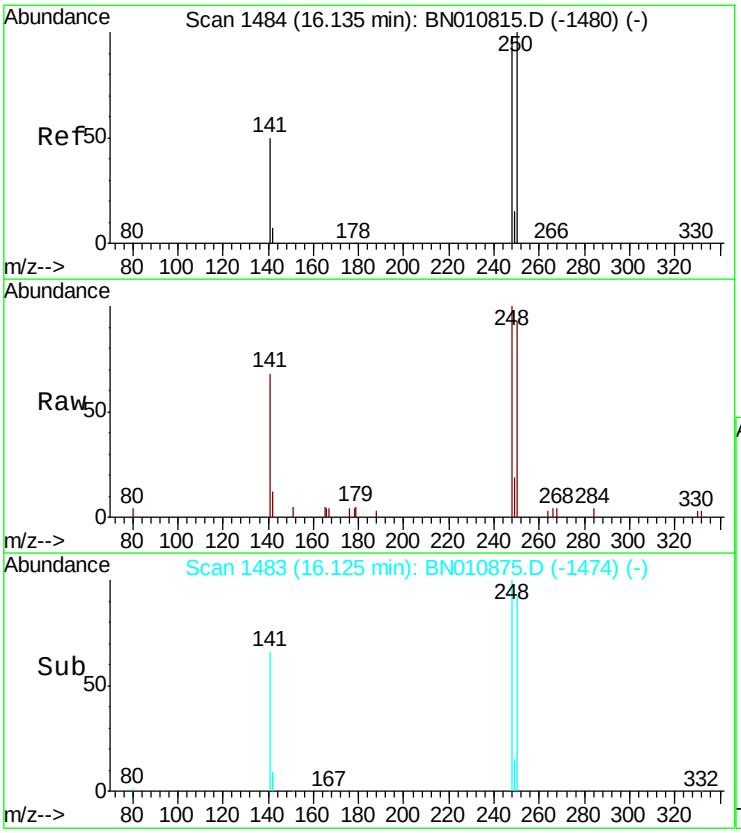
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.92 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Instrument :
BNA_N
ClientSampleId :
SP5148

Tgt Ion:188 Resp: 10095

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.1	4.5	6.7#

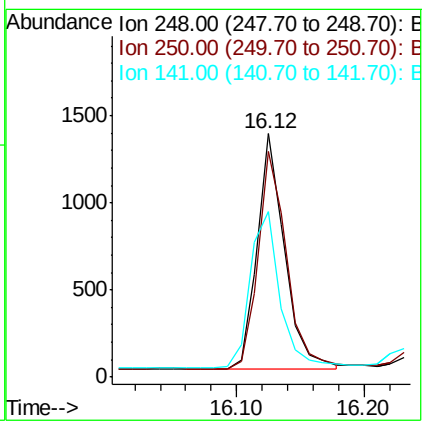


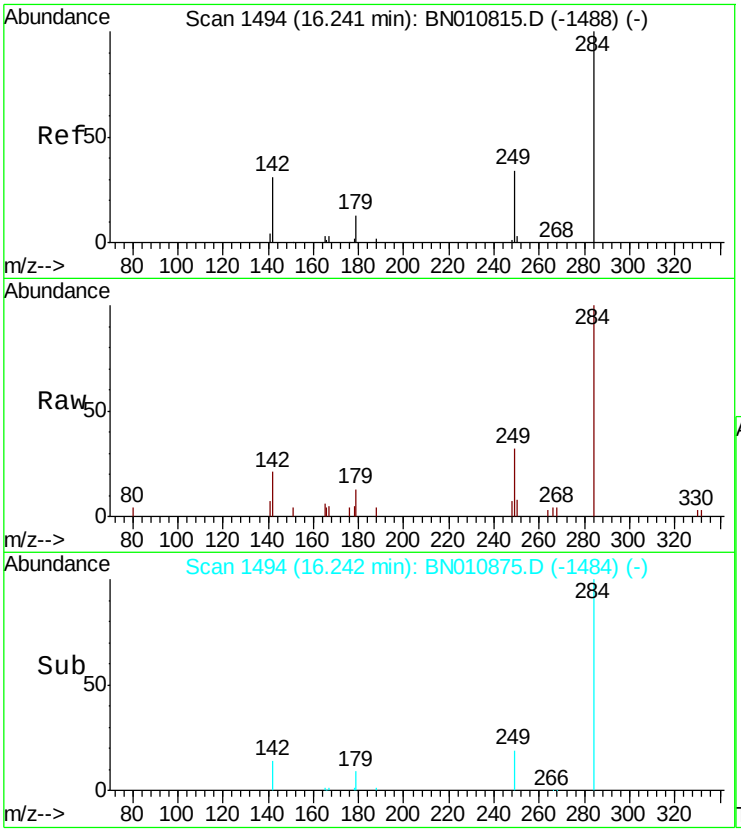


#20
4-Bromophenyl-phenylether
Concen: 0.336 ng
RT: 16.12 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Tgt Ion:248 Resp: 2038

Ion	Ratio	Lower	Upper
248	100		
250	92.9	81.8	122.8
141	67.9	42.6	64.0#



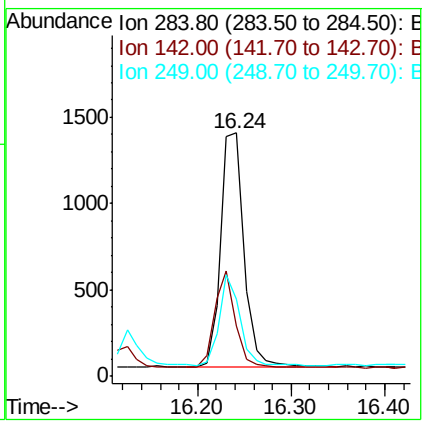


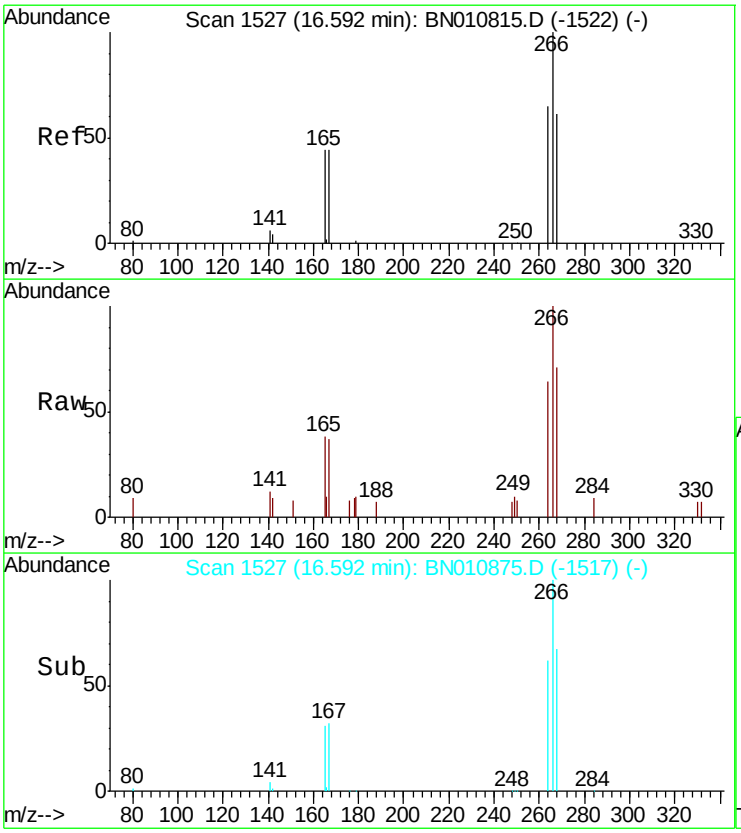
#21
Hexachlorobenzene
Concen: 0.371 ng
RT: 16.24 min Scan# 1494
Delta R.T. 0.01 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Instrument :
BNA_N
ClientSampleId :
SP5148

Tgt Ion:284 Resp: 2349

Ion	Ratio	Lower	Upper
284	100		
142	37.0	31.0	46.4
249	33.7	27.1	40.7

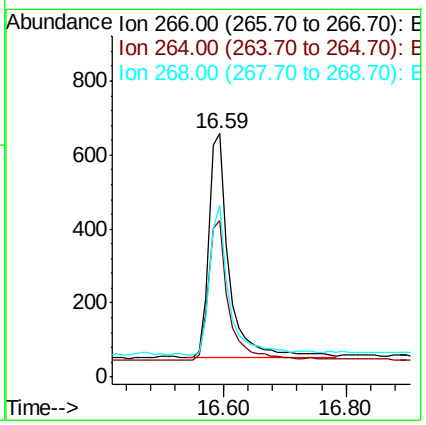


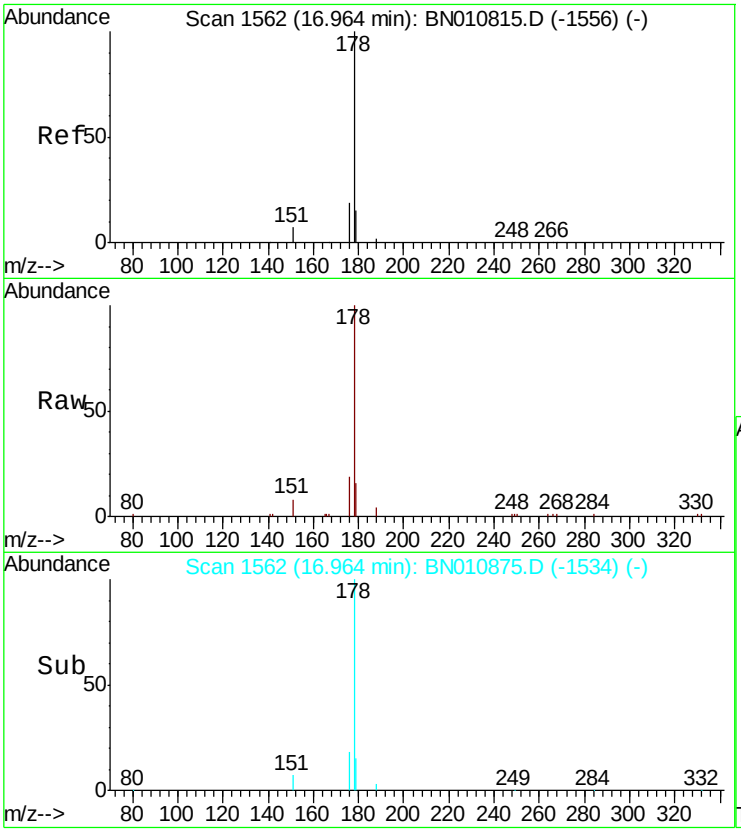


#22
Pentachlorophenol
Concen: 0.650 ng
RT: 16.59 min Scan# 1527
Delta R.T. 0.01 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Tgt Ion:266 Resp: 1380

Ion	Ratio	Lower	Upper
266	100		
264	64.1	54.8	82.2
268	70.7	55.9	83.9



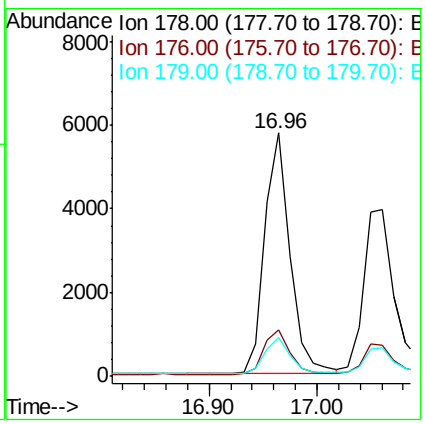


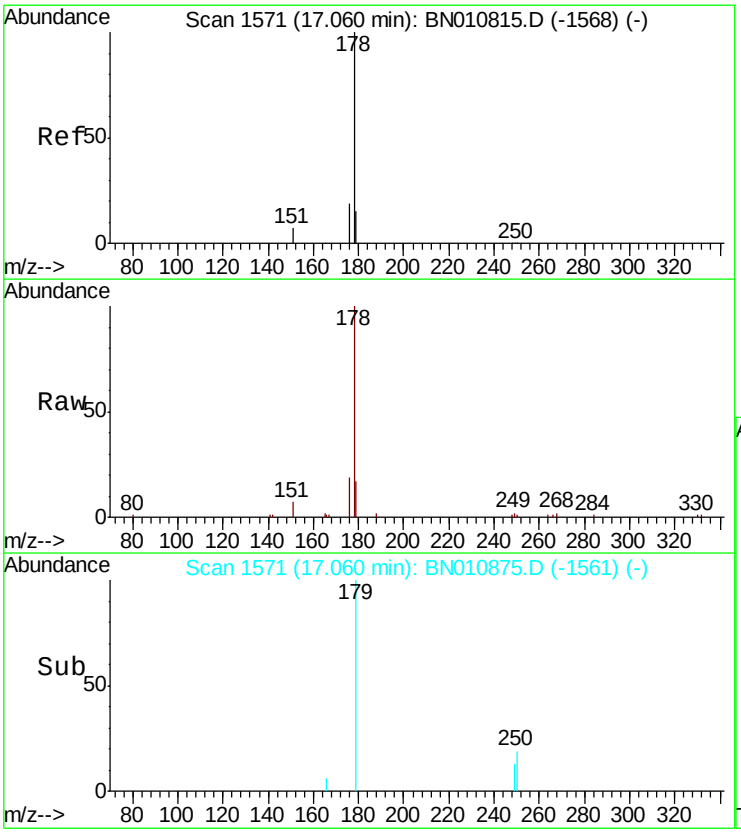
#23
Phenanthrene
Concen: 0.340 ng
RT: 16.96 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Instrument :
BNA_N
ClientSampleId :
SP5148

Tgt Ion:178 Resp: 9381

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.3	12.6	19.0

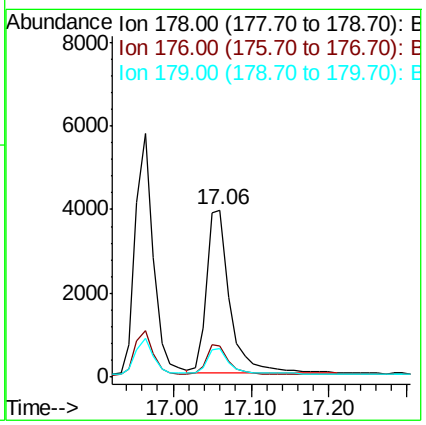


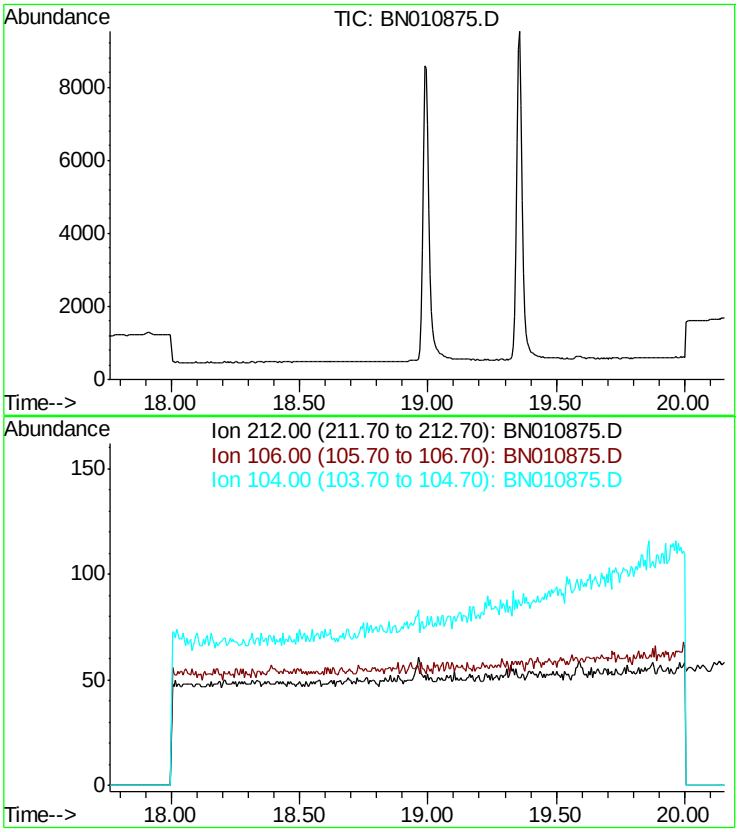


#24
Anthracene
Concen: 0.344 ng
RT: 17.06 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Tgt Ion:178 Resp: 7917

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.6	22.0
179	14.9	12.3	18.5





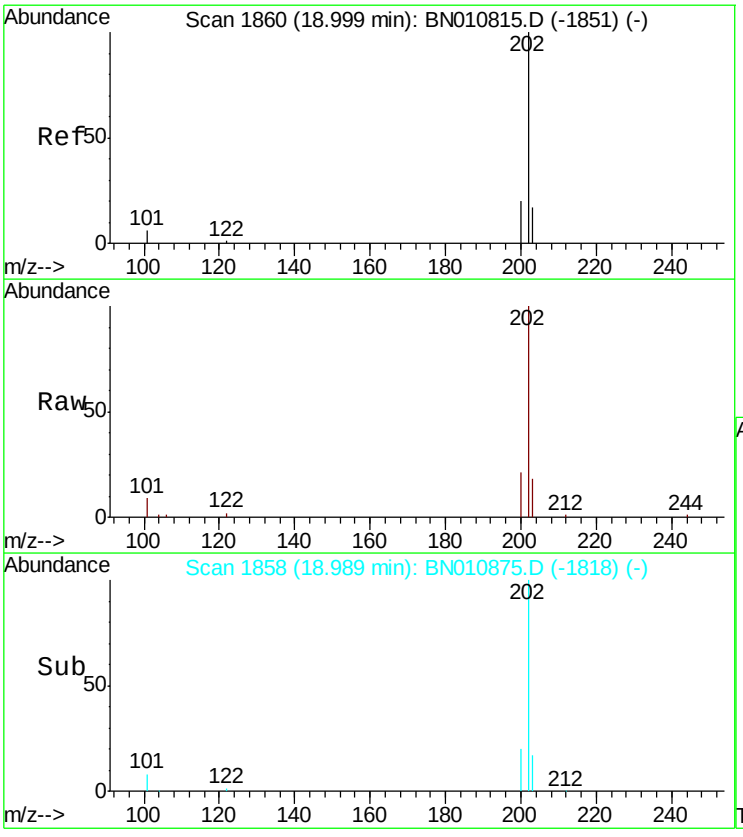
#25
Fluoranthene-d10
Concen: 0.000 ng
Expected RT: 18.96 min

Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Tgt Ion: 212

Sig	Exp Ratio
212	100
106	8.3
104	5.0

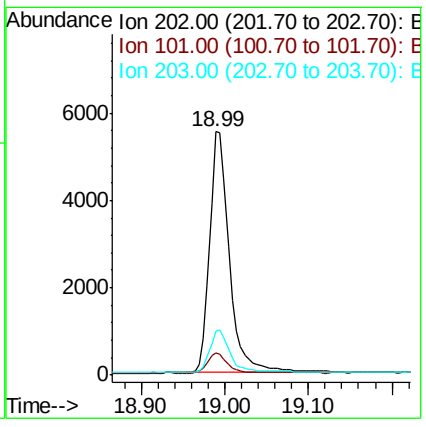
Instrument :
BNA_N
ClientSampleId :
SP5148

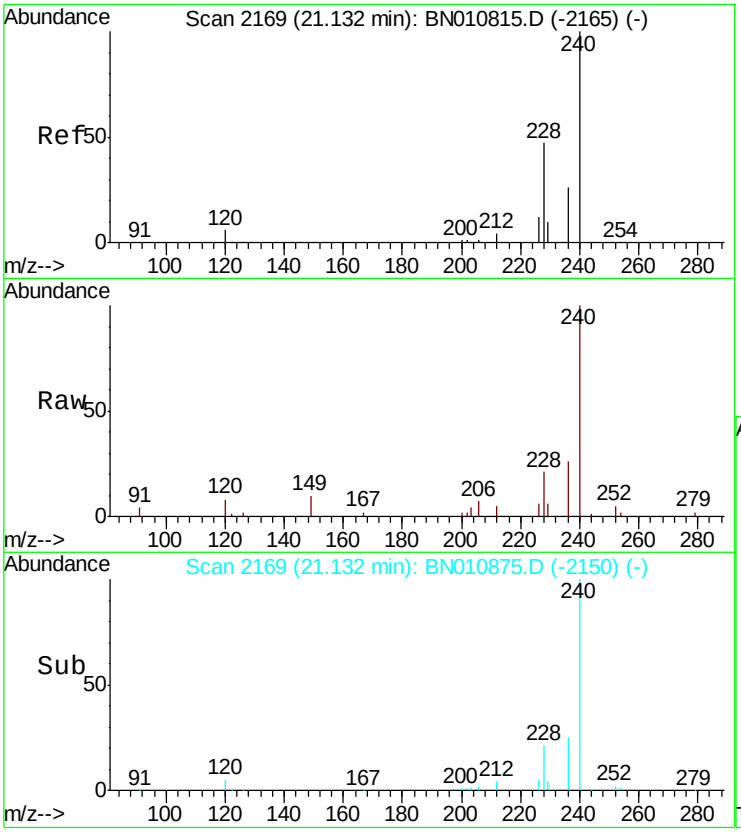


#26
Fluoranthene
Concen: 0.293 ng
RT: 18.99 min Scan# 1858
Delta R.T. 0.00 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Tgt Ion:202 Resp: 9167

Ion	Ratio	Lower	Upper
202	100		
101	8.3	5.8	8.6
203	17.7	13.7	20.5



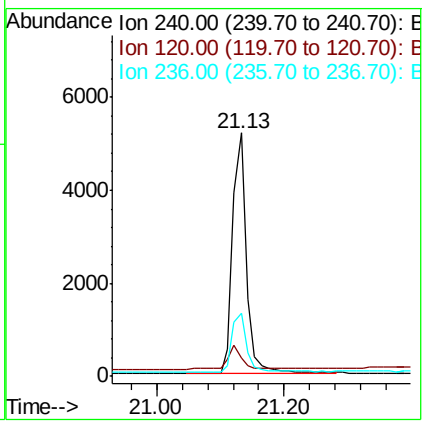


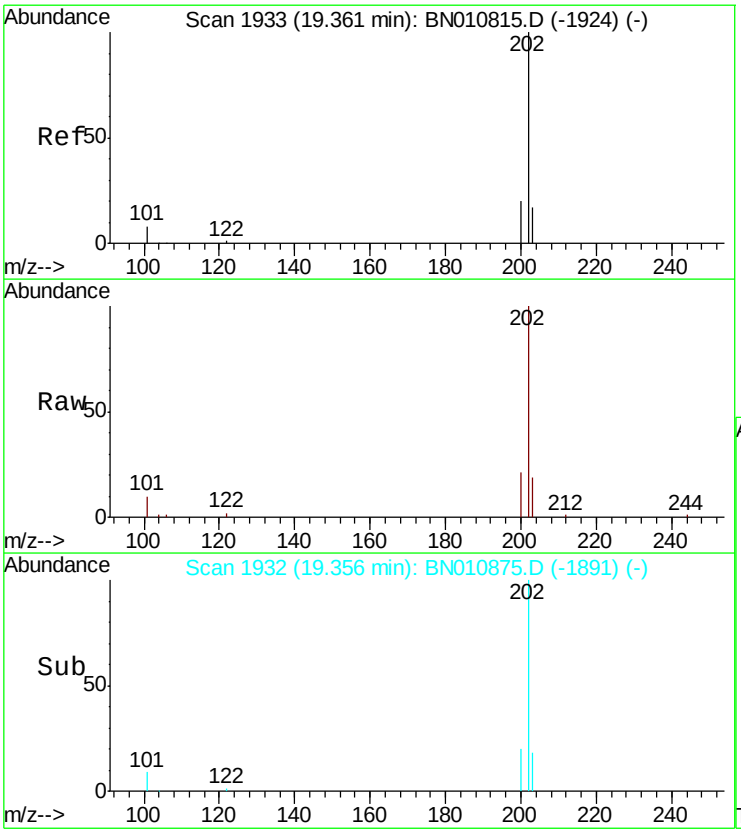
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.13 min Scan# 2169
Delta R.T. 0.00 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Instrument :
BNA_N
ClientSampleId :
SP5148

Tgt Ion:240 Resp: 7859

Ion	Ratio	Lower	Upper
240	100		
120	7.8	7.5	11.3
236	26.1	22.3	33.5

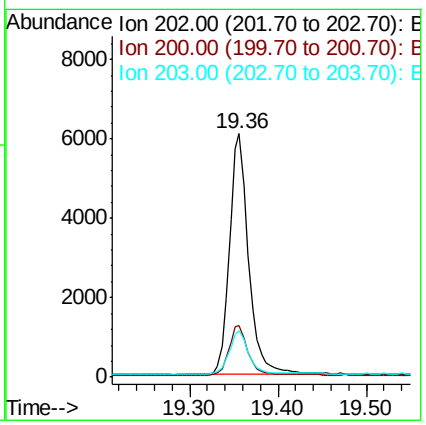


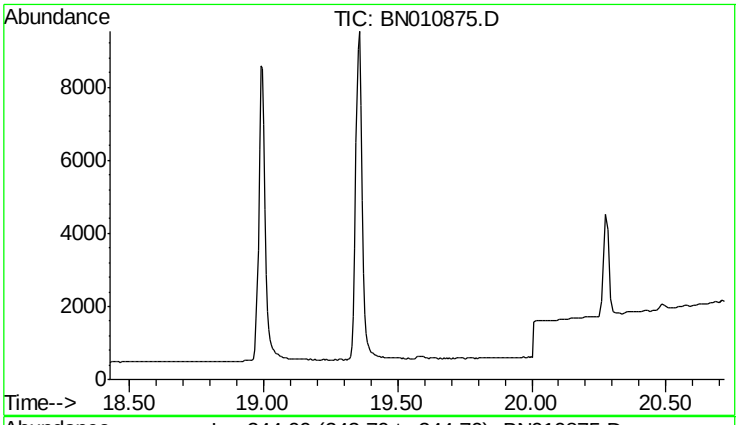


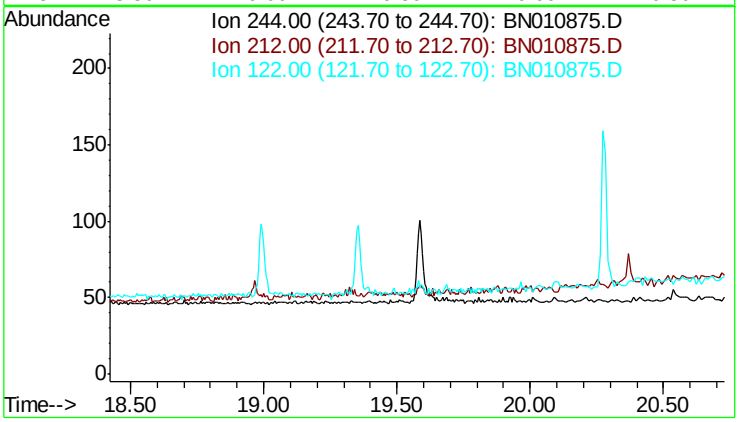
#28
Pyrene
Concen: 0.355 ng
RT: 19.36 min Scan# 1932
Delta R.T. 0.01 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Tgt Ion:202 Resp: 9235

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.4	24.6
203	18.6	14.2	21.4







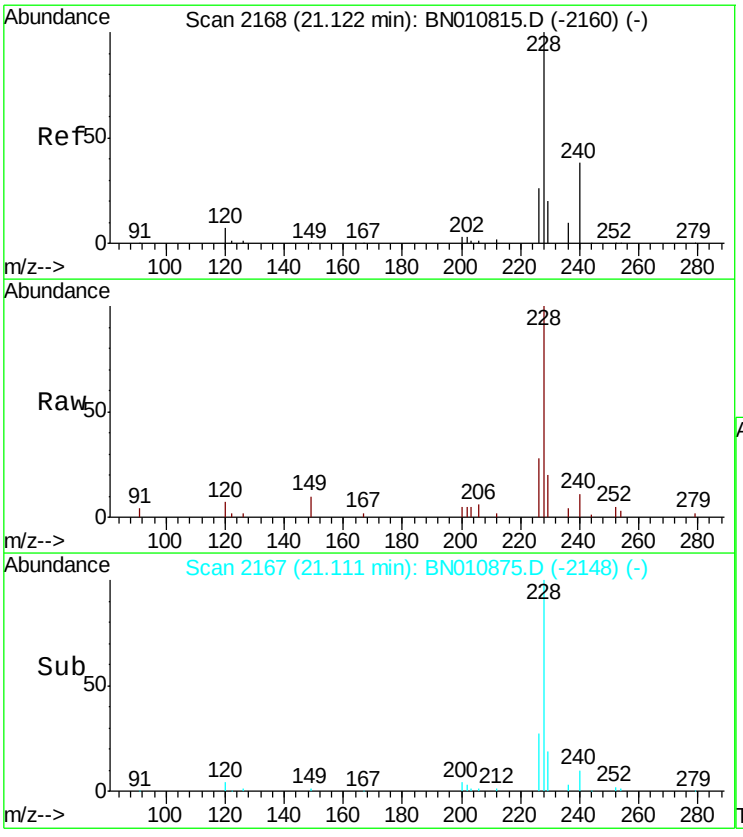
#29
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.57 min

Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	9.3
122	9.4

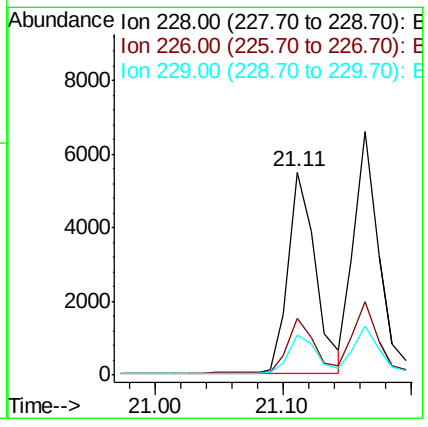
Instrument :
BNA_N
ClientSampleId :
SP5148

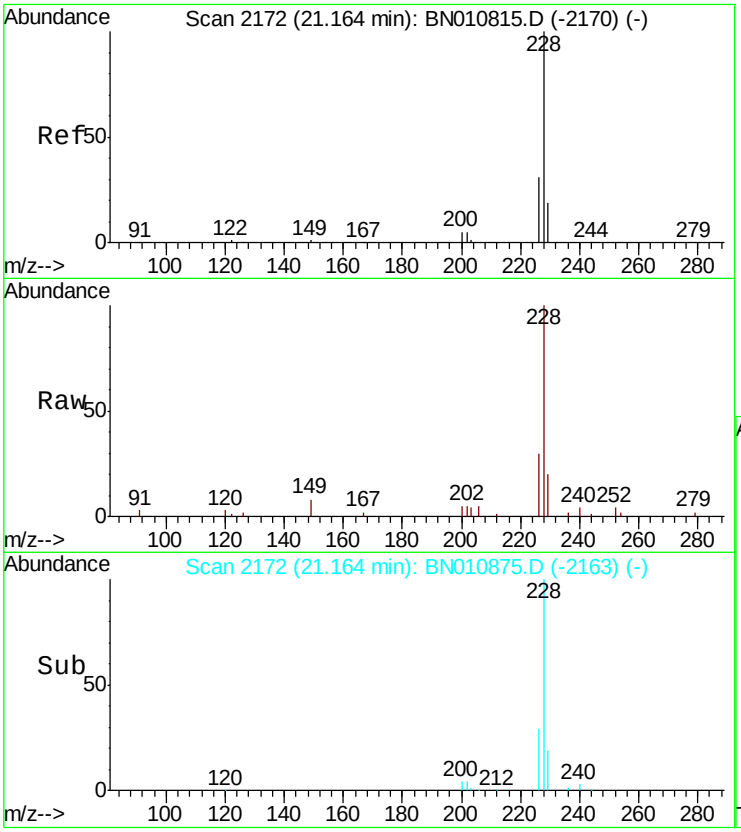


#30
Benzo(a)anthracene
Concen: 0.350 ng
RT: 21.11 min Scan# 2167
Delta R.T. 0.00 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Tgt Ion:228 Resp: 8085

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.3	31.9
229	20.1	16.6	24.8



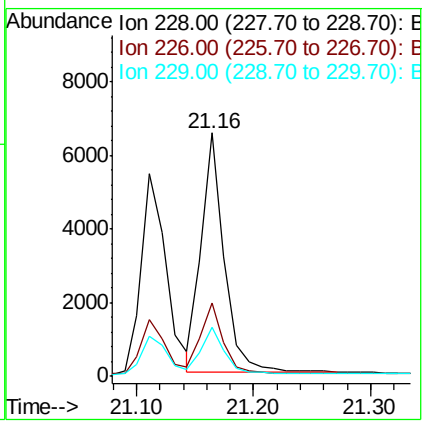


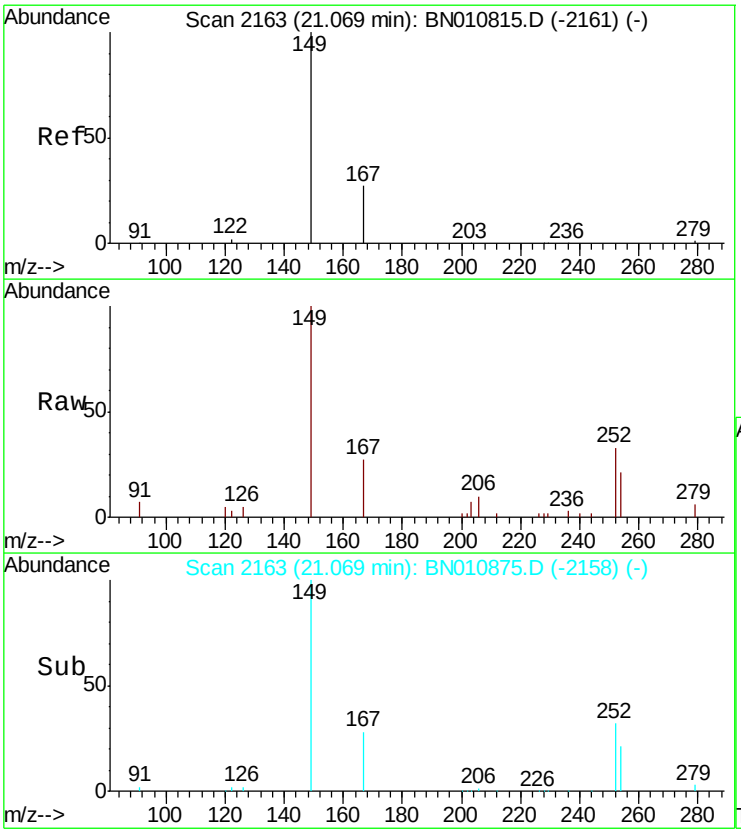
#31
Chrysene
Concen: 0.330 ng
RT: 21.16 min Scan# 2172
Delta R.T. 0.00 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Instrument :
BNA_N
ClientSampleId :
SP5148

Tgt Ion:228 Resp: 8872

Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	20.2	16.1	24.1

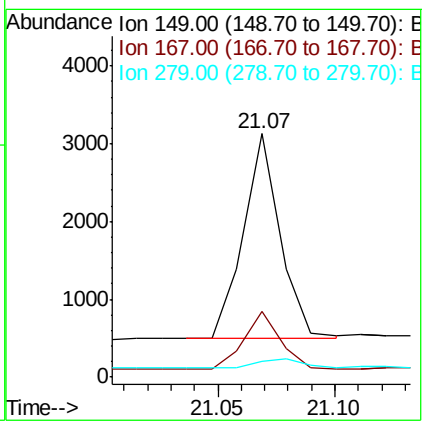


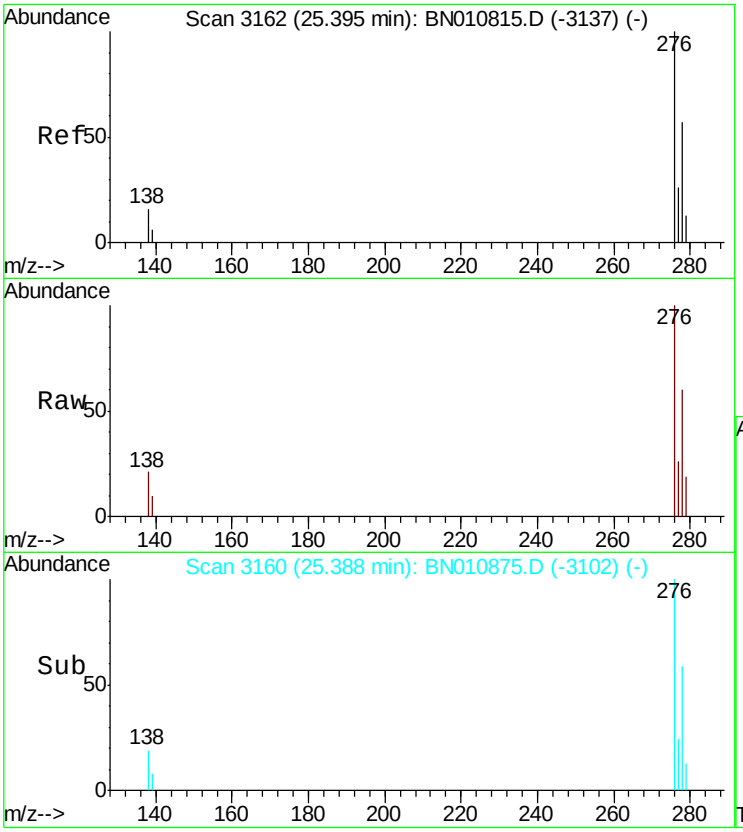


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.374 ng
RT: 21.07 min Scan# 2163
Delta R.T. 0.00 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Tgt Ion:149 Resp: 2883

Ion	Ratio	Lower	Upper
149	100		
167	28.4	24.1	36.1
279	4.9	4.6	7.0



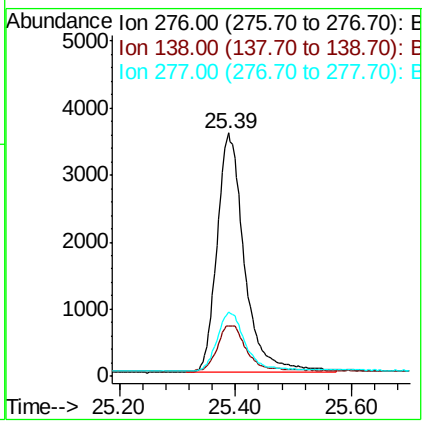


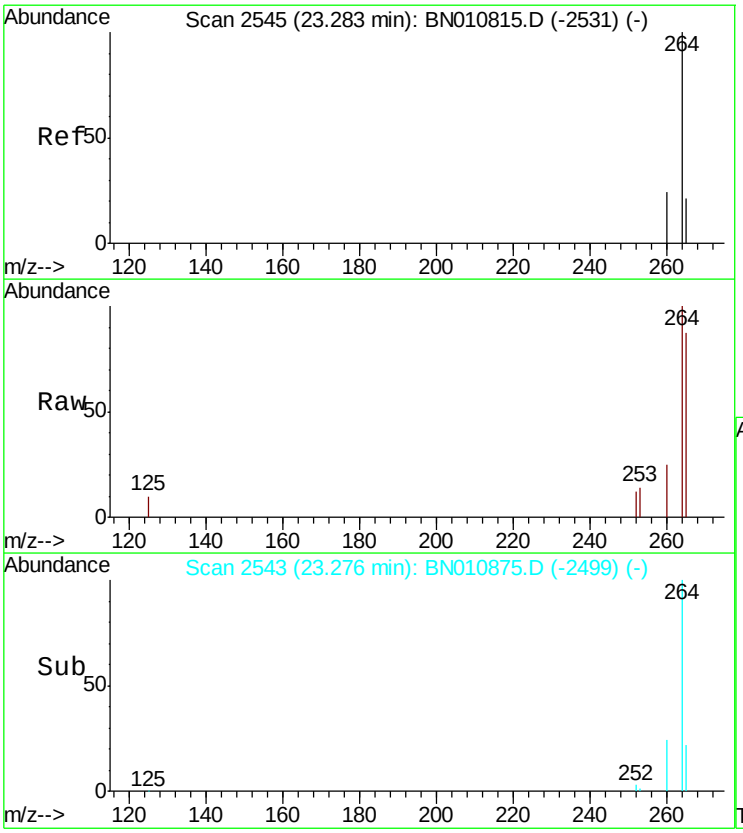
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.392 ng
RT: 25.39 min Scan# 3160
Delta R.T. 0.00 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Instrument :
BNA_N
ClientSampleId :
SP5148

Tgt Ion:276 Resp: 11792

Ion	Ratio	Lower	Upper
276	100		
138	19.6	13.0	19.6#
277	24.6	19.7	29.5

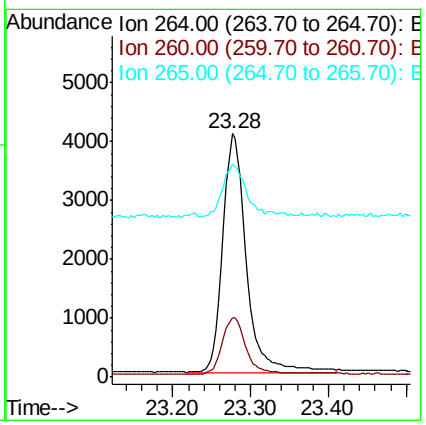


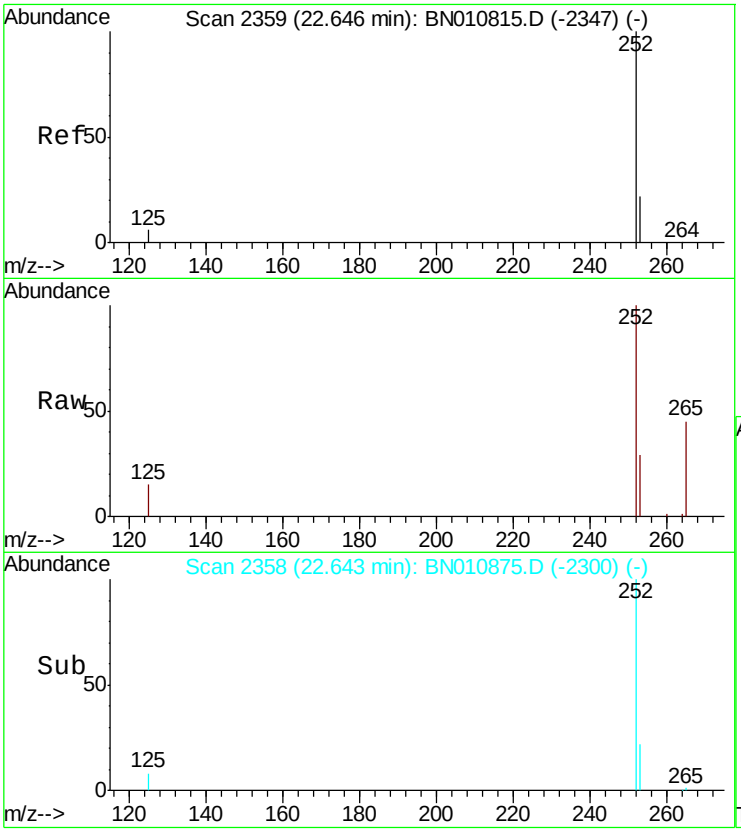


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.28 min Scan# 2543
Delta R.T. 0.00 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Tgt Ion:264 Resp: 8481

Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.4	30.6
265	87.4	75.0	112.4



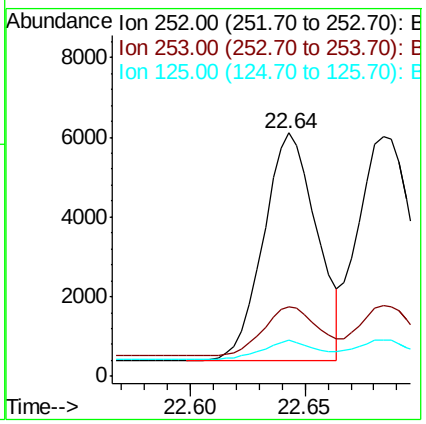


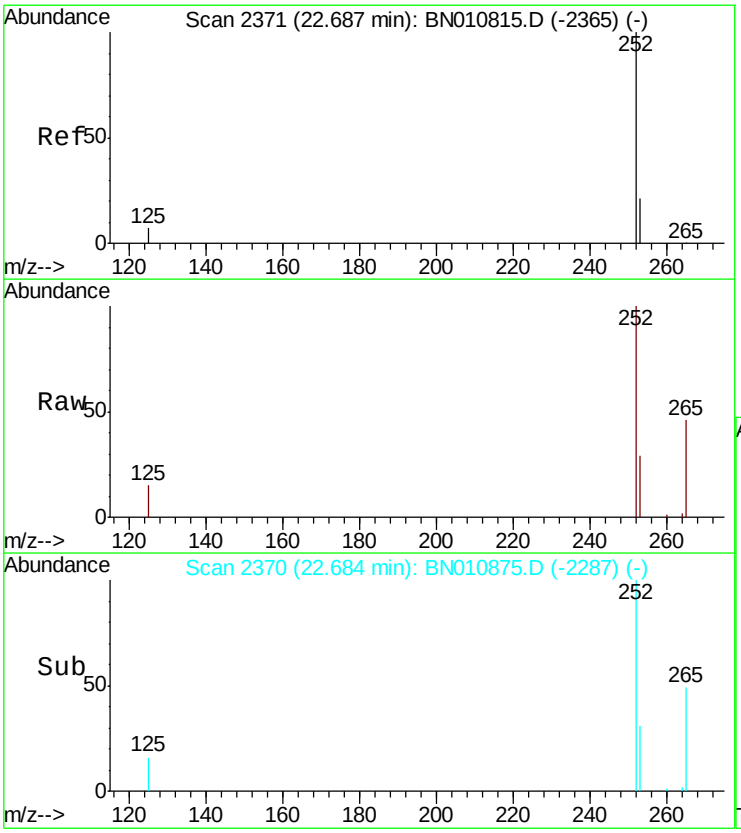
#35
Benzo(b)fluoranthene
Concen: 0.319 ng
RT: 22.64 min Scan# 2358
Delta R.T. 0.00 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Instrument :
BNA_N
ClientSampleId :
SP5148

Tgt Ion:252 Resp: 9191

Ion	Ratio	Lower	Upper
252	100		
253	28.5	22.4	33.6
125	14.8	9.4	14.0#

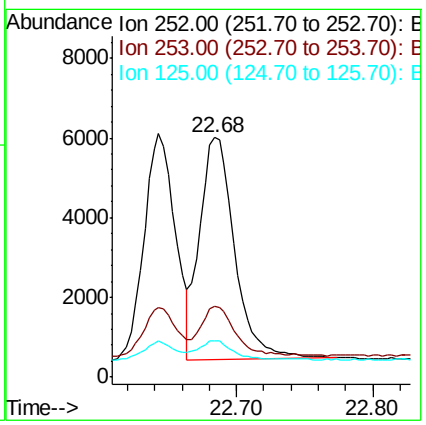


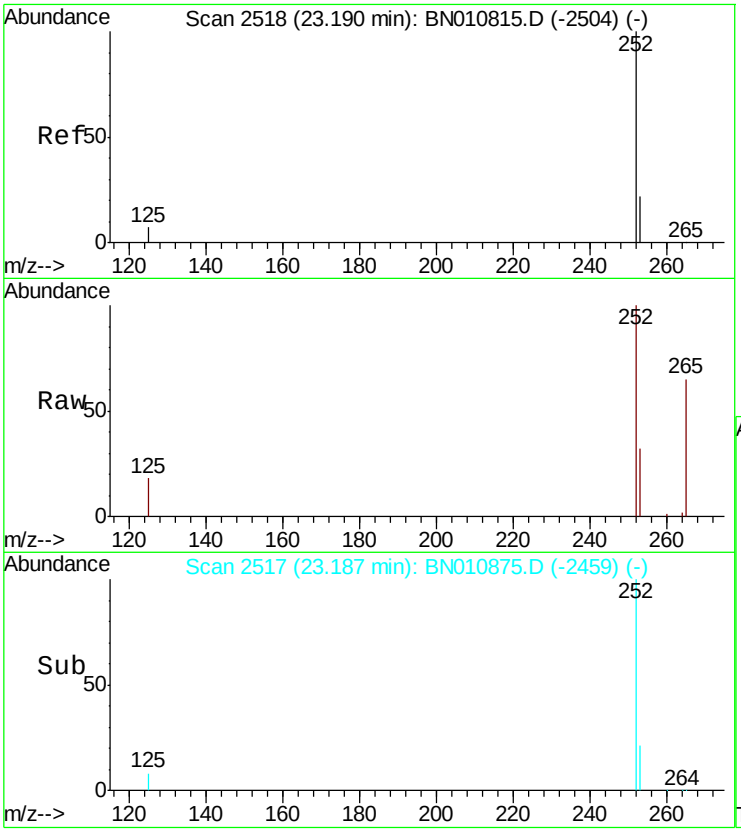


#36
Benzo(k)fluoranthene
Concen: 0.324 ng
RT: 22.68 min Scan# 2370
Delta R.T. 0.00 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Tgt Ion:252 Resp: 9955

Ion	Ratio	Lower	Upper
252	100		
253	29.5	22.2	33.4
125	14.9	9.8	14.8#



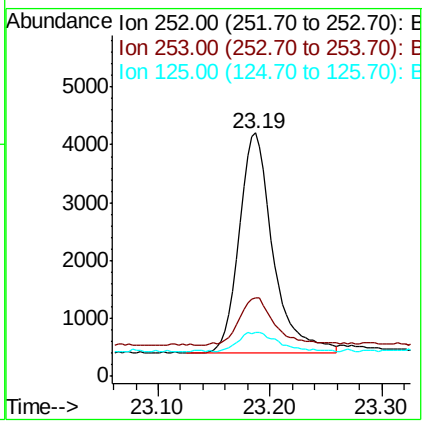


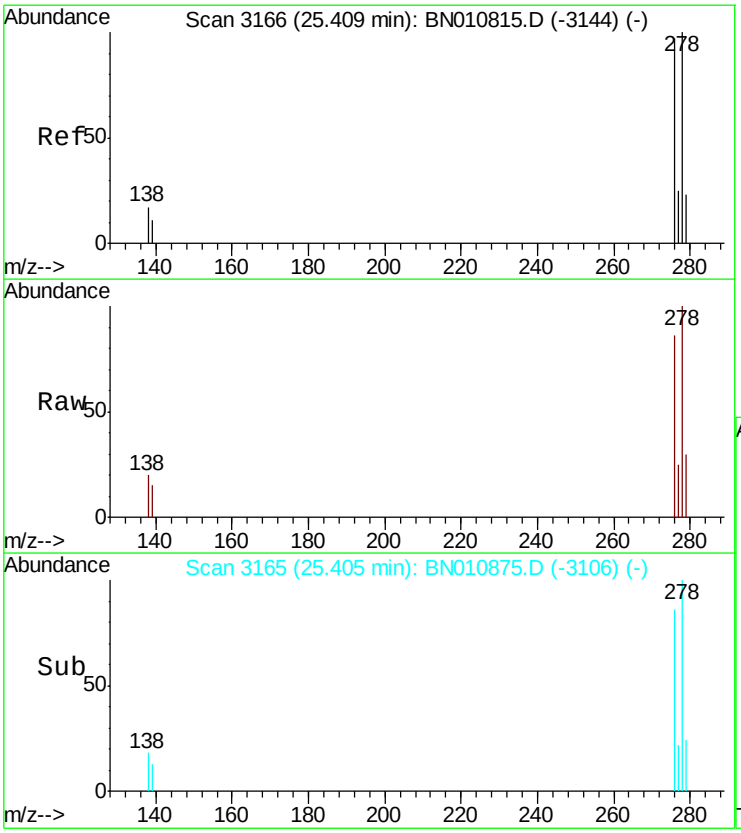
#37
Benzo(a)pyrene
Concen: 0.324 ng
RT: 23.19 min Scan# 2517
Delta R.T. 0.00 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Instrument :
BNA_N
ClientSampleId :
SP5148

Tgt Ion:252 Resp: 8011

Ion	Ratio	Lower	Upper
252	100		
253	32.2	25.8	38.8
125	18.1	12.4	18.6

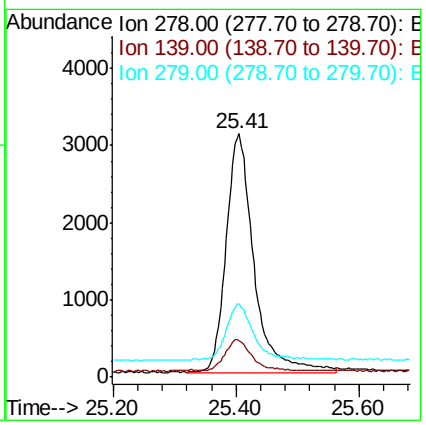


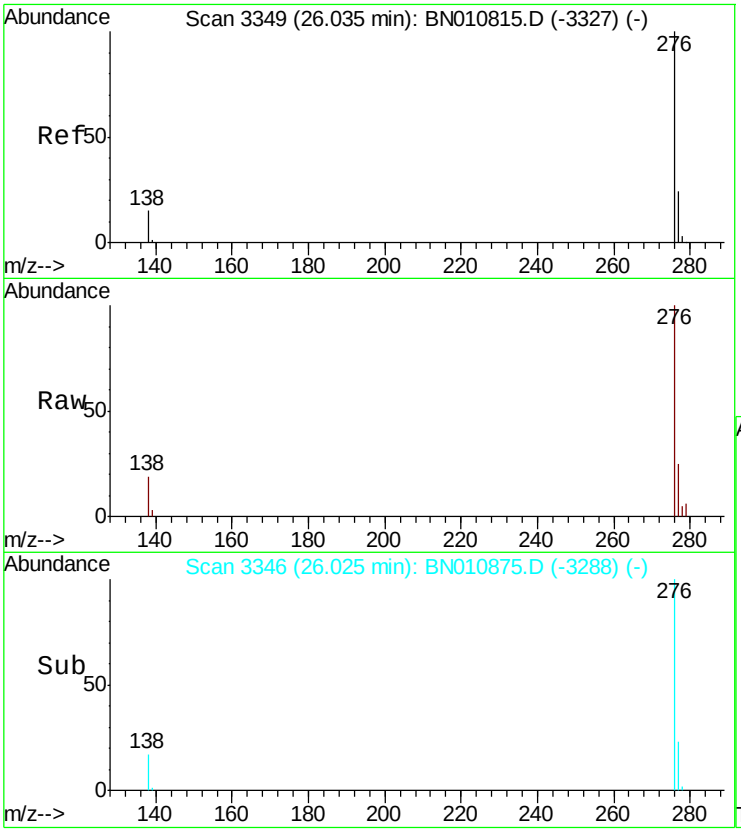


#38
Dibenzo(a,h)anthracene
Concen: 0.343 ng
RT: 25.41 min Scan# 3165
Delta R.T. 0.00 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Tgt Ion:278 Resp: 9670

Ion	Ratio	Lower	Upper
278	100		
139	14.8	10.6	15.8
279	30.2	23.6	35.4





#39
Benzo(g,h,i)perylene
Concen: 0.364 ng
RT: 26.02 min Scan# 3346
Delta R.T. 0.00 min
Lab File: BN010875.D
Acq: 15 Jun 2020 15:51

Instrument :
BNA_N
ClientSampleId :
SP5148

Tgt Ion:276 Resp: 10746

Ion	Ratio	Lower	Upper
276	100		
277	25.4	20.5	30.7
138	19.2	13.7	20.5