Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_N\DATA\BN030118\
Data File : BN000213.D
Acq On : 01 Mar 2018 12:19
Operator : JU/SJ
Sample : MDL-S-07
Misc : 0.07 ppm
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : MDL-S-07

Quant Time: Mar 01 16:58:05 2018
Quant Method : Z:\HPCHEM1\BNA_N\METHODS\8270-SIM-BN022718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 27 15:07:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	6004	0.40	ng		0.00
7) Naphthalene-d8	11.29	136	22076	0.40	ng		0.00
13) Acenaphthene-d10	15.06	164	11031	0.40	ng		0.00
19) Phenanthrene-d10	17.78	188	26530	0.40	ng		0.00
27) Chrysene-d12	21.89	240	20208	0.40	ng		0.00
34) Perylene-d12	24.37	264	16564	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.93	112	4526	0.36	ng		0.00
5) Phenol-d6	7.57	99	5464	0.34	ng		0.00
8) Nitrobenzene-d5	9.63	82	4189	0.32	ng		0.00
11) 2-Methylnaphthalene-d10	12.85	152	11974	0.36	ng		0.00
14) 2,4,6-Tribromophenol	16.54	330	1156	0.33	ng		0.00
15) 2-Fluorobiphenyl	13.69	172	18120	0.35	ng		0.00
25) Fluoranthene-d10	19.77	212	23824	0.34	ng		0.00
29) Terphenyl-d14	20.33	244	14216	0.40	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.66	88	521	0.084	ng	#	95
3) n-Nitrosodimethylamine	4.06	42	194	0.135	ng	#	74
6) bis(2-Chloroethyl)ether	7.85	93	1423	0.070	ng		99
9) Naphthalene	11.34	128	4728	0.073	ng	#	93
10) Hexachlorobutadiene	11.62	225	774	0.071	ng		99
12) 2-Methylnaphthalene	12.92	142	2963	0.070	ng		98
16) Acenaphthylene	14.79	152	3152	0.061	ng		99
17) Acenaphthene	15.12	154	2751	0.067	ng		95
18) Fluorene	16.09	166	3416	0.067	ng	#	80
20) 4-Bromophenyl-phenylether	16.96	248	946	0.062	ng	#	70
21) Hexachlorobenzene	17.09	284	1334	0.065	ng		92
22) Pentachlorophenol	17.43	266	300	0.142	ng	#	81
23) Phenanthrene	17.82	178	6215	0.067	ng		95
24) Anthracene	17.91	178	4147	0.059	ng		96
26) Fluoranthene	19.80	202	6183	0.064	ng	#	95
28) Pyrene	20.15	202	6119	0.077	ng		99
30) Benzo(a)anthracene	21.87	228	4238	0.067	ng		98
31) Chrysene	21.93	228	5348	0.072	ng		97
32) Bis(2-ethylhexyl)phthalate	21.76	149	1860	0.079	ng	#	91
33) Indeno(1,2,3-cd)pyrene	26.92	276	4462	0.064	ng	#	90
35) Benzo(b)fluoranthene	23.61	252	5182	0.069	ng	#	87
36) Benzo(k)fluoranthene	23.66	252	4711	0.064	ng	#	66
37) Benzo(a)pyrene	24.26	252	3885	0.063	ng	#	56
38) Dibenzo(a,h)anthracene	26.93	278	3427	0.062	ng	#	76
39) Benzo(g,h,i)perylene	27.71	276	4382	0.068	ng	#	80

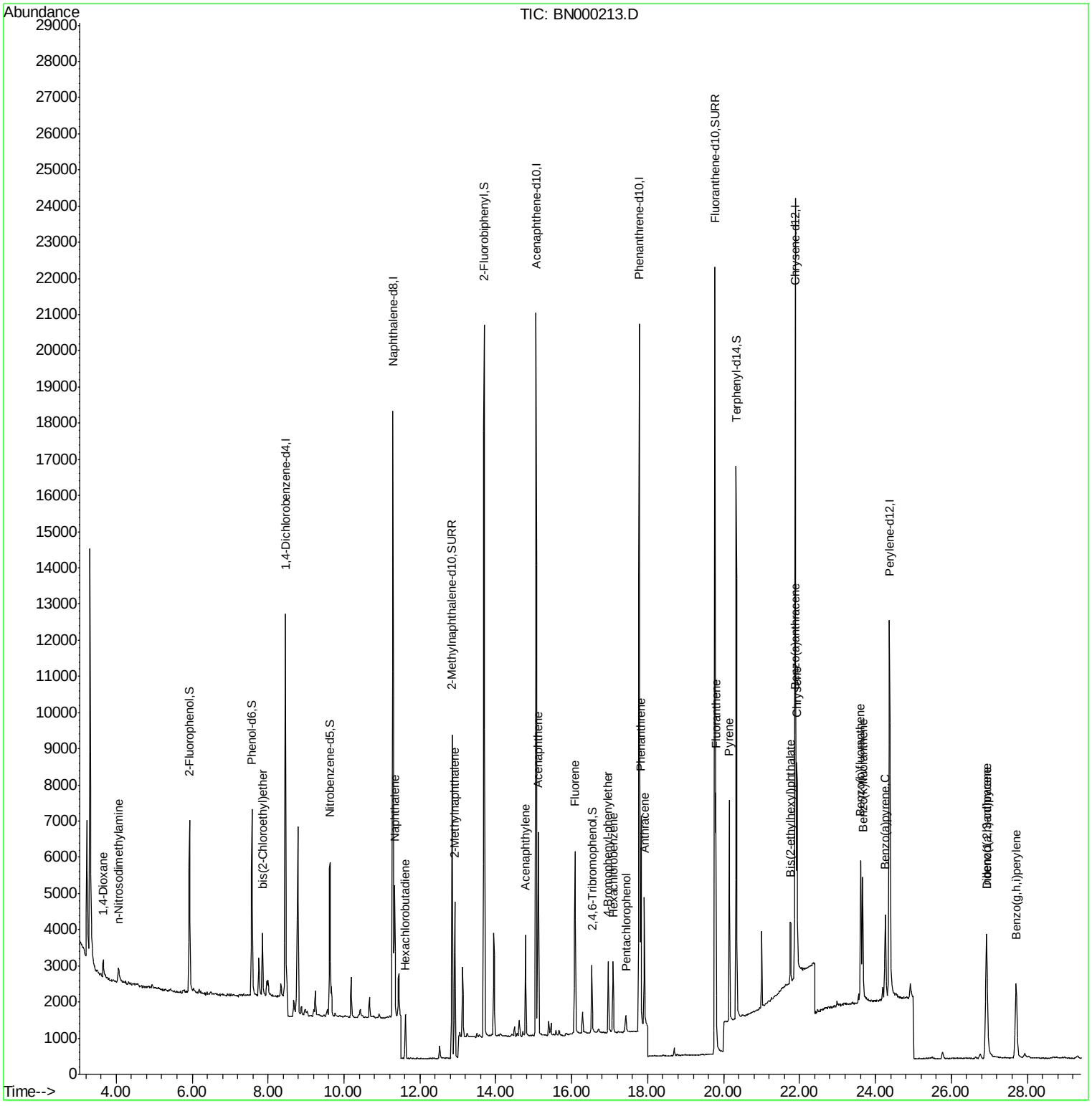
(#) = qualifier out of range (m) = manual integration (+) = signals summed

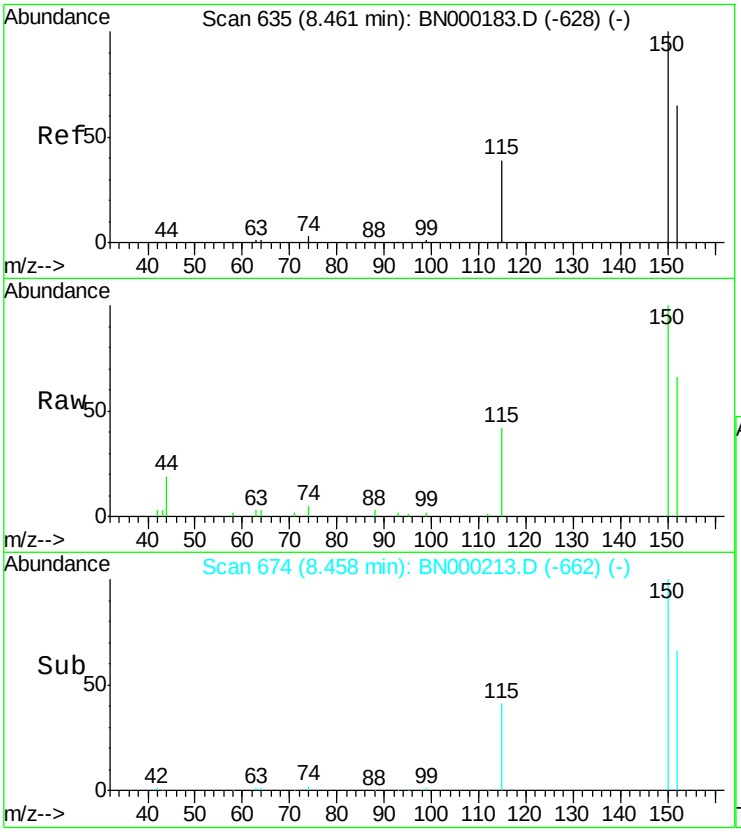
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_N\DATA\BN030118\
Data File : BN000213.D
Acq On : 01 Mar 2018 12:19
Operator : JU/SJ
Sample : MDL-S-07
Misc : 0.07 ppm
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-S-07

Quant Time: Mar 01 16:58:05 2018
Quant Method : Z:\HPCHEM1\BNA_N\METHODS\8270-SIM-BN022718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 27 15:07:57 2018
Response via : Initial Calibration



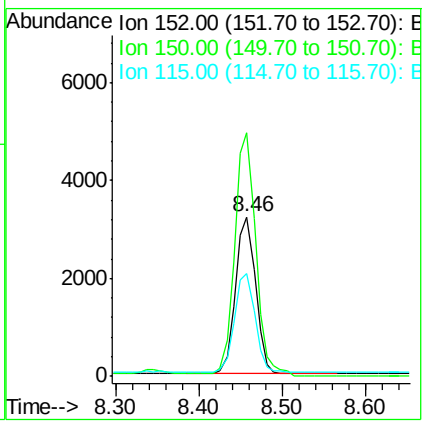


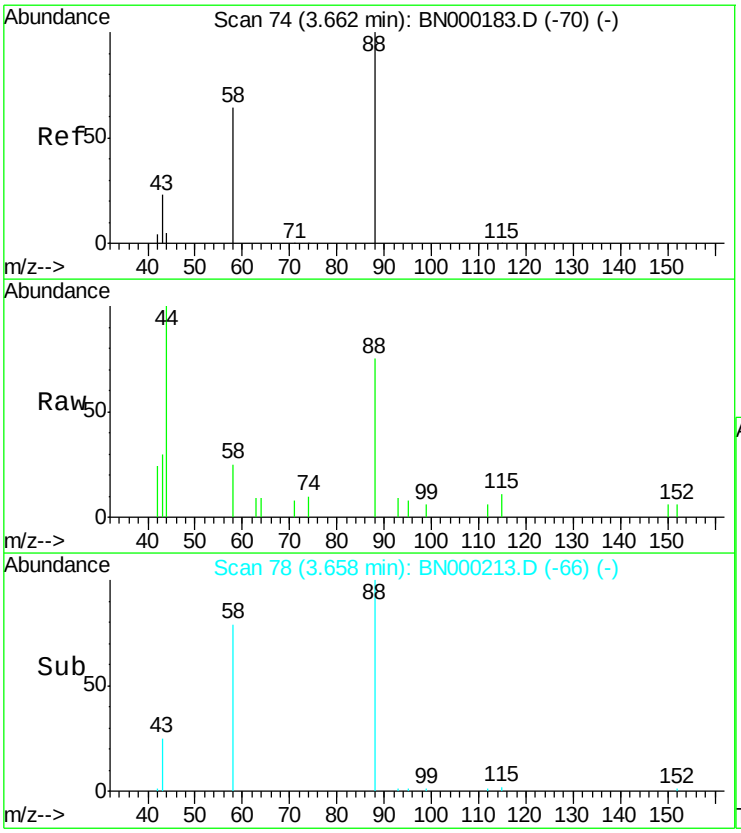
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.46 min Scan# 674
Delta R.T. -0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Instrument :
BNA_N
ClientSampleId :
MDL-S-07

Tgt Ion:152 Resp: 6004

Ion	Ratio	Lower	Upper
152	100		
150	152.7	117.2	175.8
115	64.4	57.0	85.6

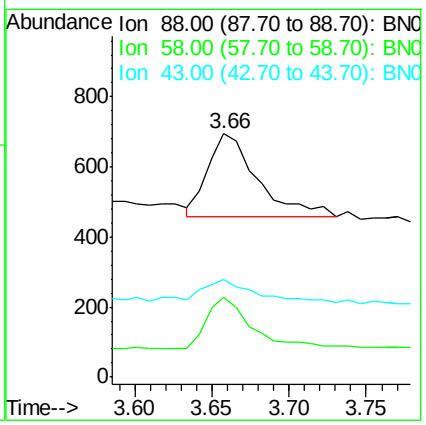


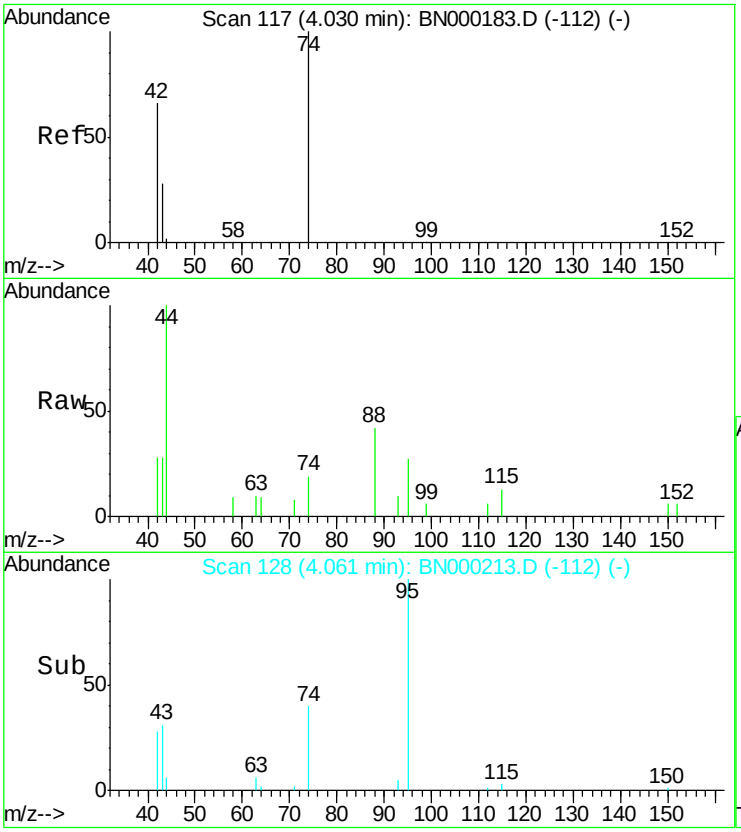


#2
1,4-Dioxane
Concen: 0.084 ng
RT: 3.66 min Scan# 78
Delta R.T. -0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Tgt Ion: 88 Resp: 521

Ion	Ratio	Lower	Upper
88	100		
58	58.2	48.0	72.0
43	30.9	20.0	30.0#



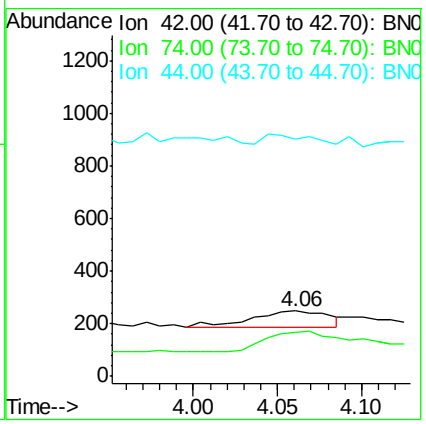


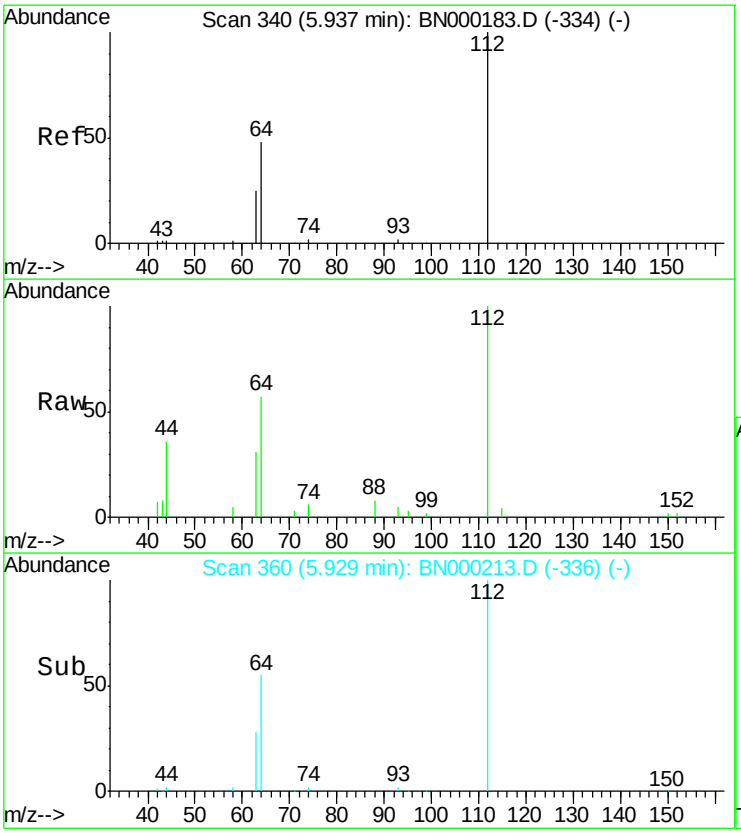
#3
n-Nitrosodimethylamine
Concen: 0.135 ng
RT: 4.06 min Scan# 128
Delta R.T. 0.03 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Instrument :
BNA_N
ClientSampleId :
MDL-S-07

Tgt Ion: 42 Resp: 194

Ion	Ratio	Lower	Upper
42	100		
74	117.0	120.0	180.0#
44	0.0	4.0	6.0#

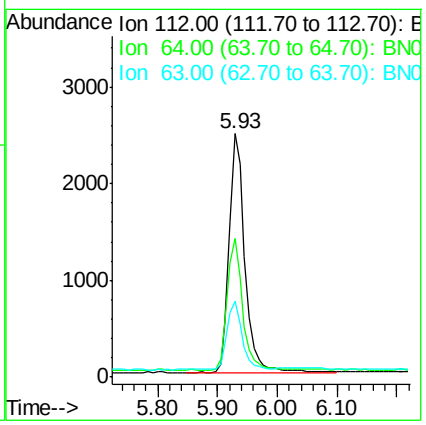


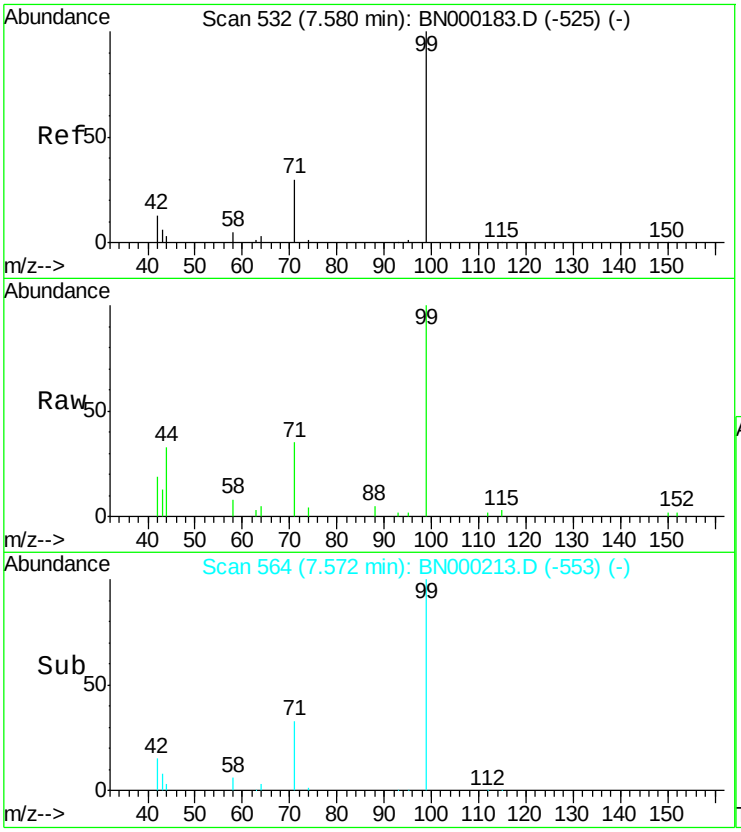


#4
2-Fluorophenol
Concen: 0.357 ng
RT: 5.93 min Scan# 360
Delta R.T. -0.01 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Tgt Ion:112 Resp: 4526

Ion	Ratio	Lower	Upper
112	100		
64	53.6	60.1	90.1#
63	27.3	116.8	175.2#



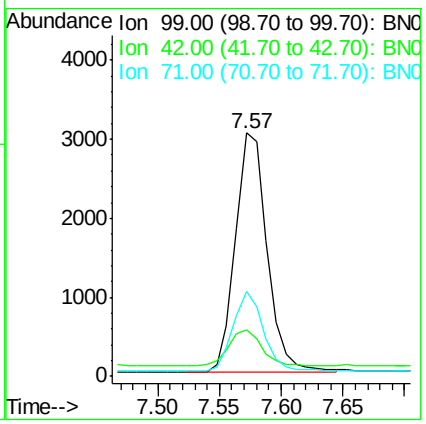


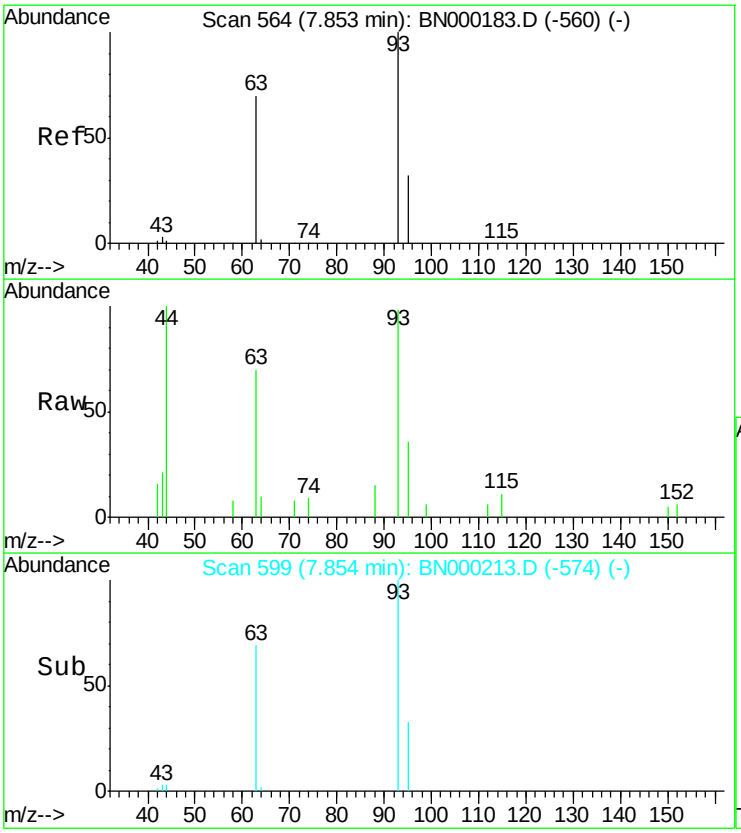
#5
Phenol-d6
Concen: 0.339 ng
RT: 7.57 min Scan# 564
Delta R.T. -0.01 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Instrument :
BNA_N
ClientSampleId :
MDL-S-07

Tgt Ion: 99 Resp: 5464

Ion	Ratio	Lower	Upper
99	100		
42	16.1	20.2	30.2#
71	31.7	28.4	42.6

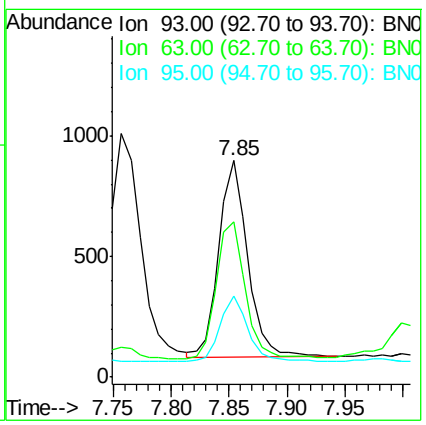


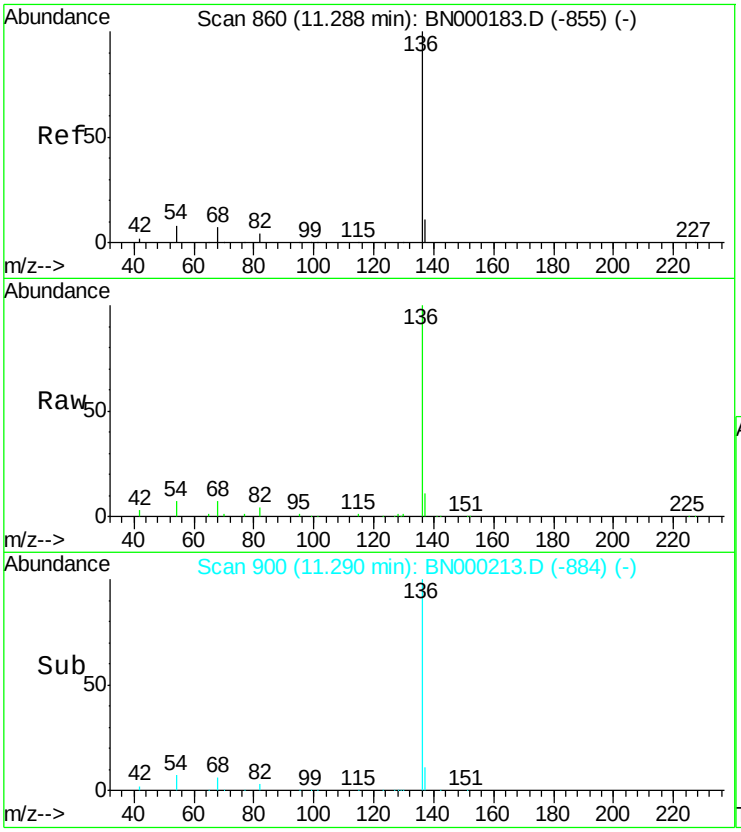


#6
bis(2-Chloroethyl)ether
Concen: 0.070 ng
RT: 7.85 min Scan# 599
Delta R.T. 0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Tgt Ion: 93 Resp: 1423

Ion	Ratio	Lower	Upper
93	100		
63	68.9	56.0	84.0
95	32.0	25.2	37.8



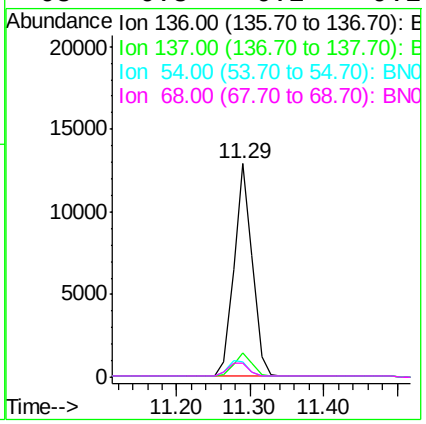


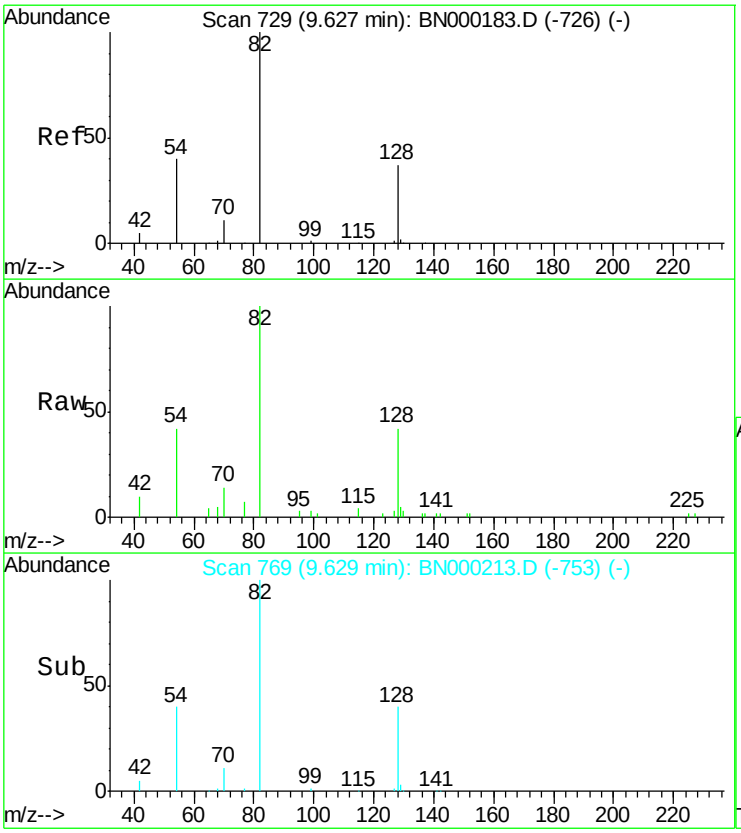
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.29 min Scan# 900
Delta R.T. 0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Instrument :
BNA_N
ClientSampleId :
MDL-S-07

Tgt Ion:136 Resp: 22076

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.5	14.3
54	7.2	29.1	43.7#
68	6.8	6.2	9.2

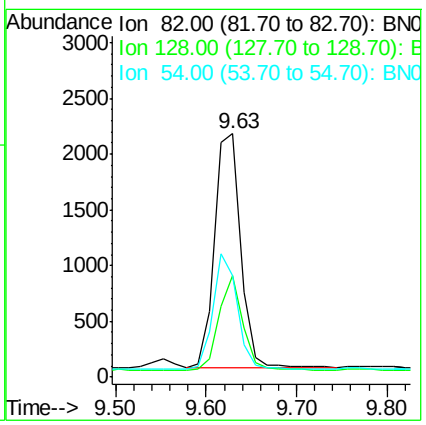


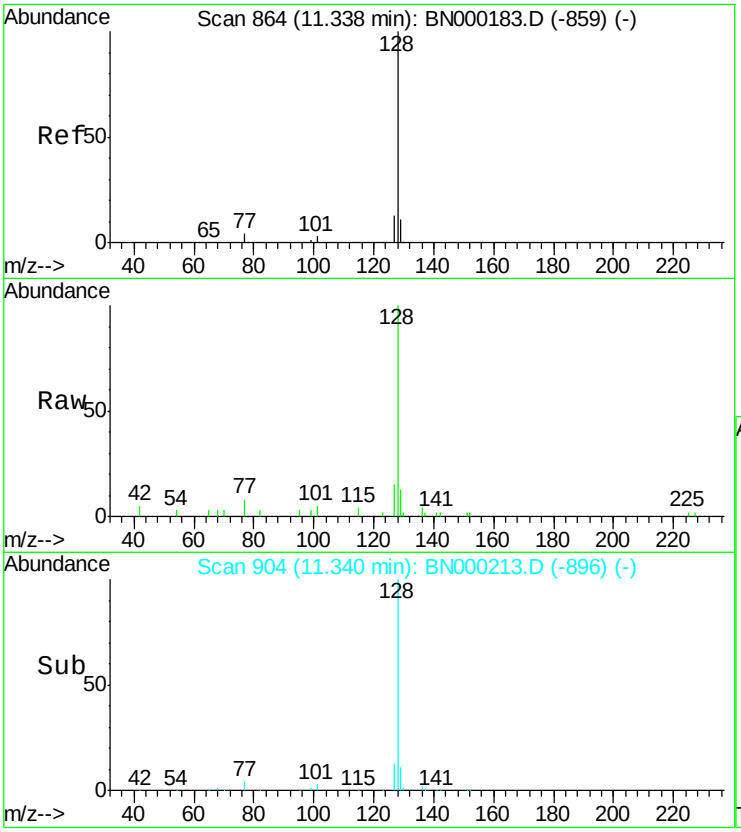


#8
Nitrobenzene-d5
Concen: 0.320 ng
RT: 9.63 min Scan# 769
Delta R.T. 0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Tgt Ion: 82 Resp: 4189

Ion	Ratio	Lower	Upper
82	100		
128	41.8	150.0	225.0#
54	41.5	154.2	231.4#



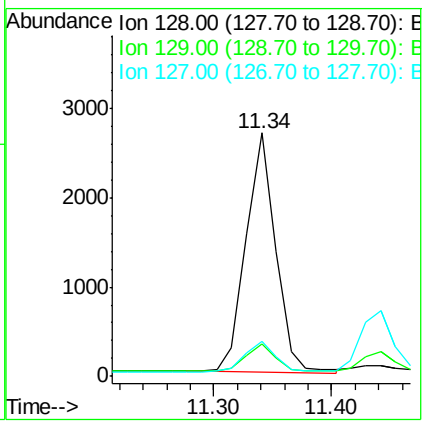


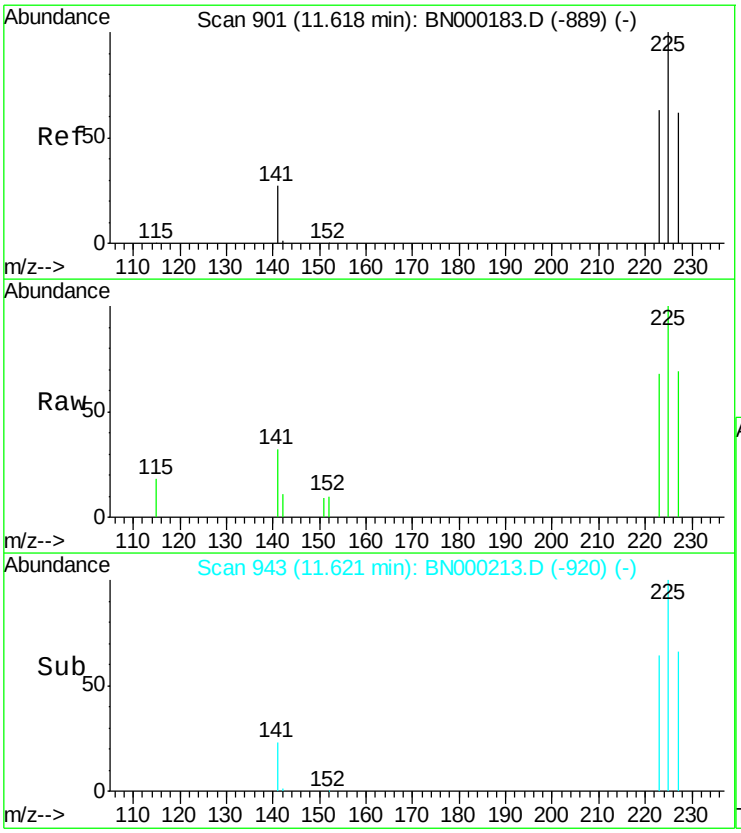
#9
Naphthalene
Concen: 0.073 ng
RT: 11.34 min Scan# 904
Delta R.T. 0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Instrument :
BNA_N
ClientSampleId :
MDL-S-07

Tgt Ion:128 Resp: 4728

Ion	Ratio	Lower	Upper
128	100		
129	13.2	8.0	12.0#
127	14.5	9.6	14.4#

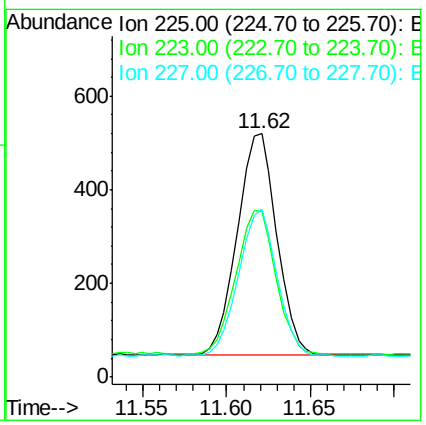


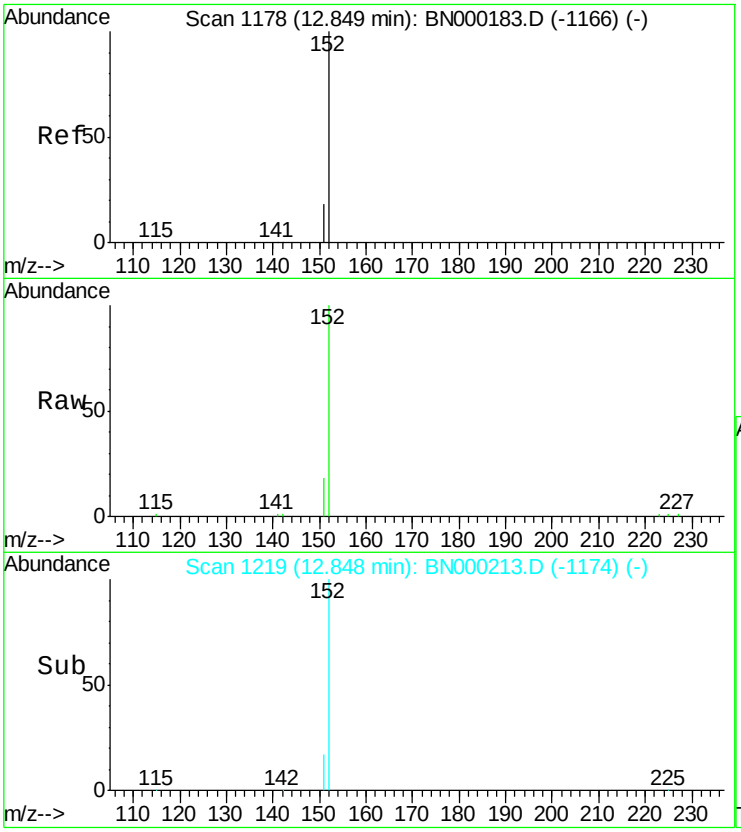


#10
Hexachlorobutadiene
Concen: 0.071 ng
RT: 11.62 min Scan# 943
Delta R.T. 0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Tgt Ion:225 Resp: 774

Ion	Ratio	Lower	Upper
225	100		
223	65.2	53.0	79.6
227	64.7	51.4	77.2



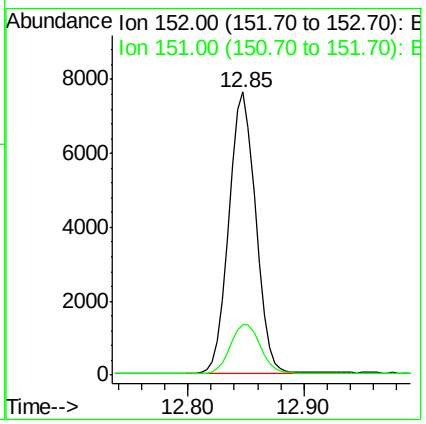


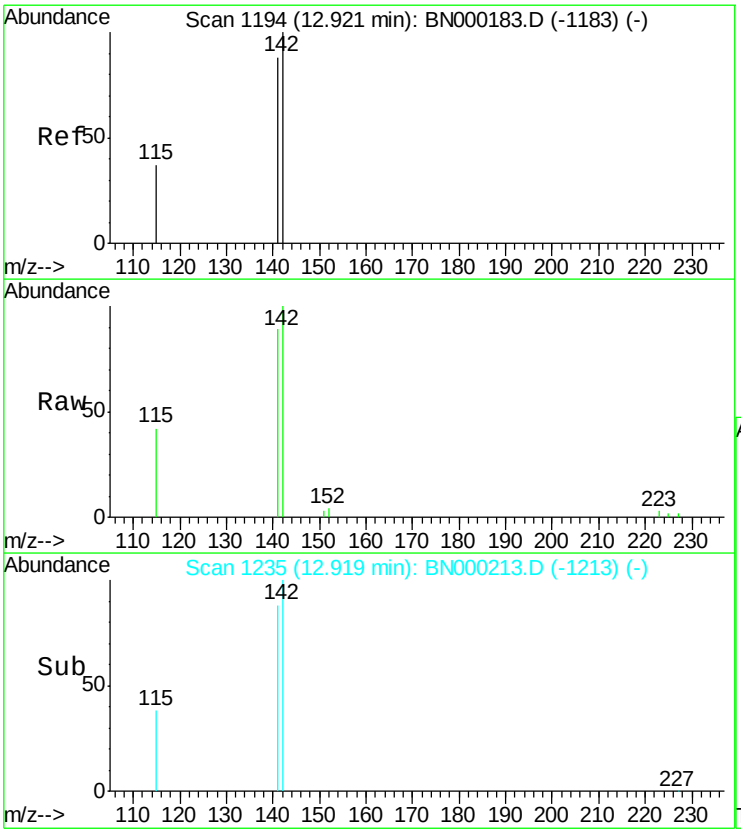
#11
2-Methylnaphthalene-d10
Concen: 0.360 ng
RT: 12.85 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Instrument :
BNA_N
ClientSampleId :
MDL-S-07

Tgt Ion:152 Resp: 11974

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.4	23.0

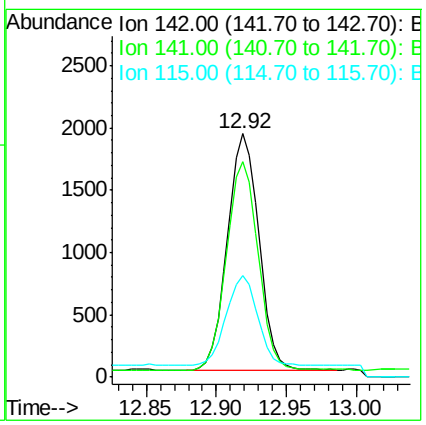


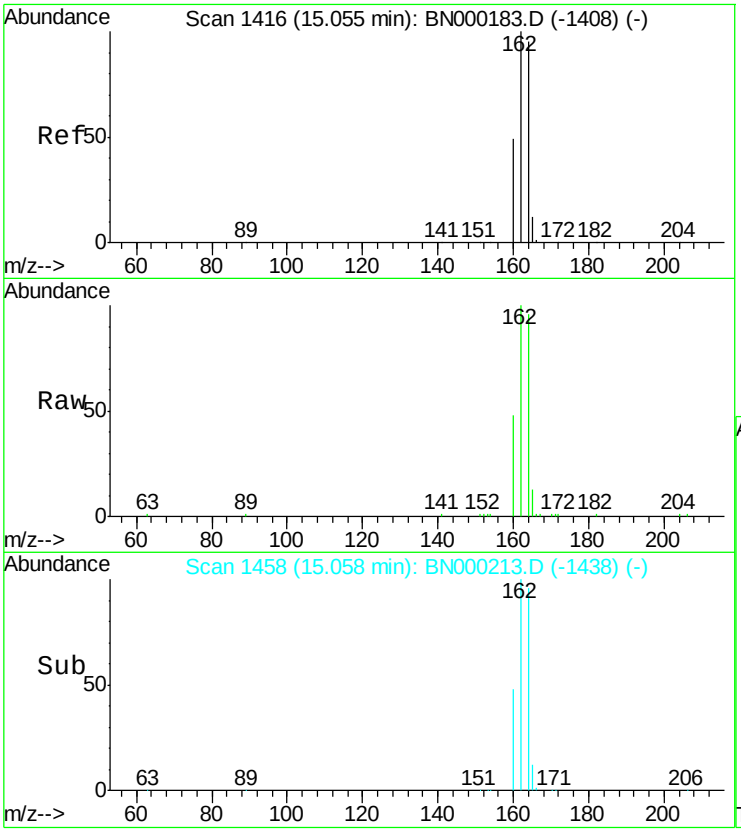


#12
2-Methylnaphthalene
Concen: 0.070 ng
RT: 12.92 min Scan# 1235
Delta R.T. -0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Tgt Ion:142 Resp: 2963

Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.4	105.6
115	41.7	31.7	47.5



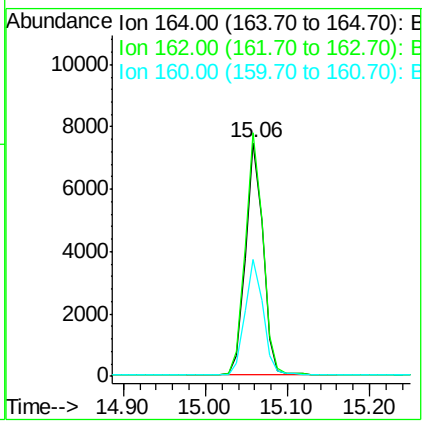


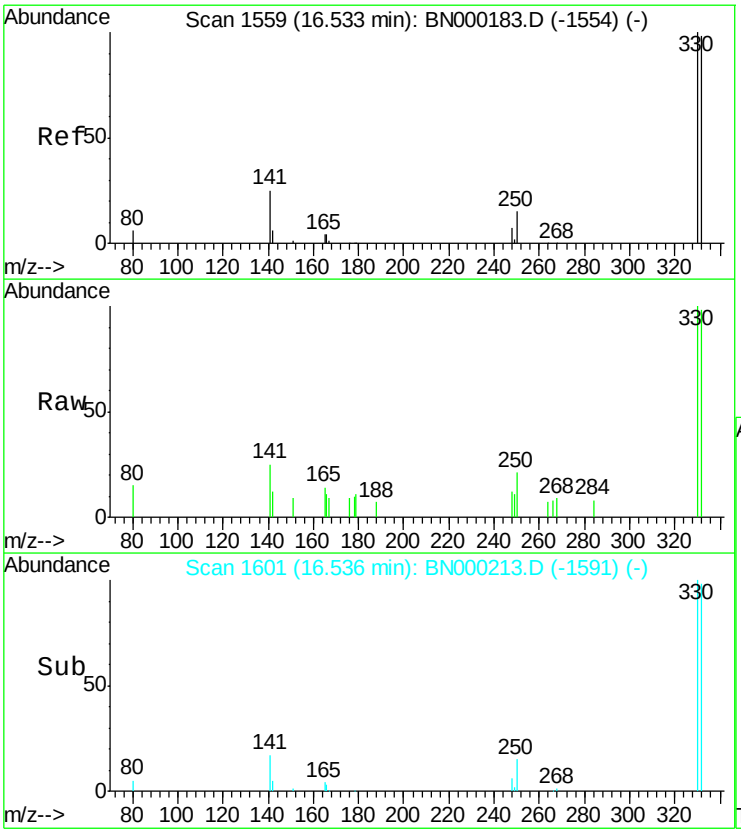
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.06 min Scan# 1458
Delta R.T. 0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Instrument :
BNA_N
ClientSampleId :
MDL-S-07

Tgt Ion:164 Resp: 11031

Ion	Ratio	Lower	Upper
164	100		
162	104.2	83.1	124.7
160	49.9	37.1	55.7

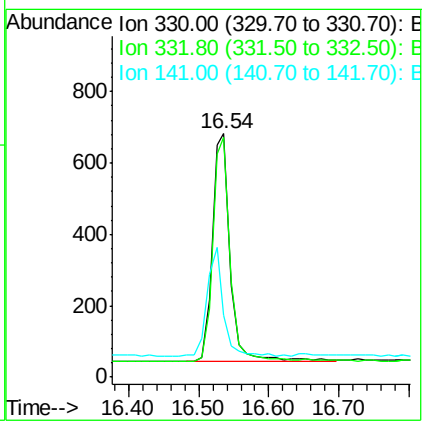


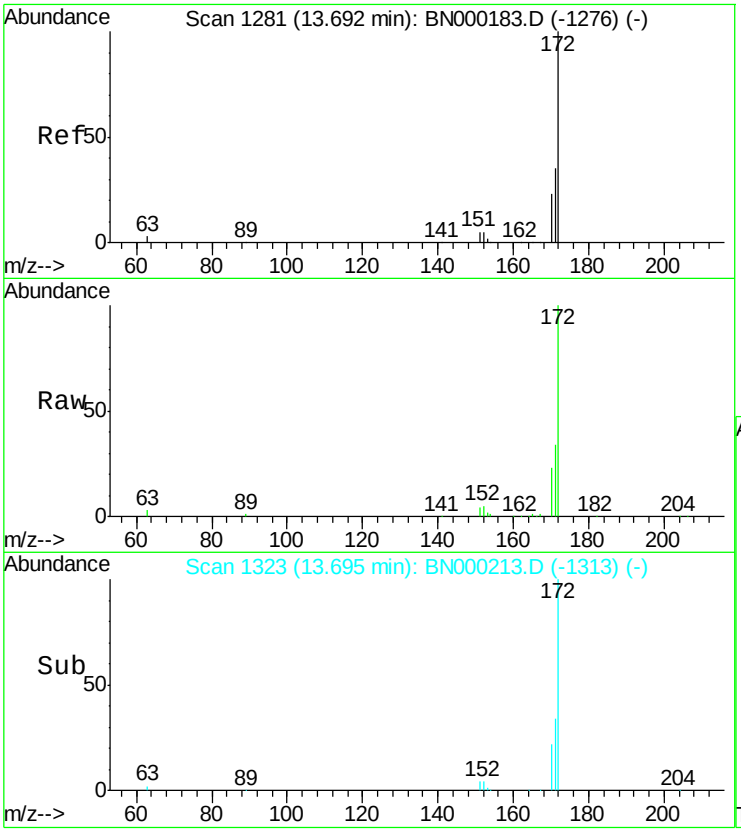


#14
2,4,6-Tribromophenol
Concen: 0.330 ng
RT: 16.54 min Scan# 1601
Delta R.T. 0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Tgt Ion:330 Resp: 1156

Ion	Ratio	Lower	Upper
330	100		
332	95.2	152.7	229.1#
141	43.2	33.7	50.5



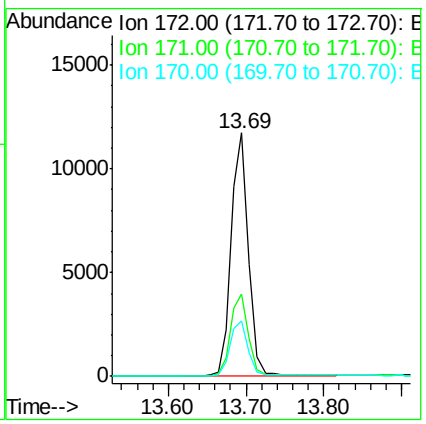


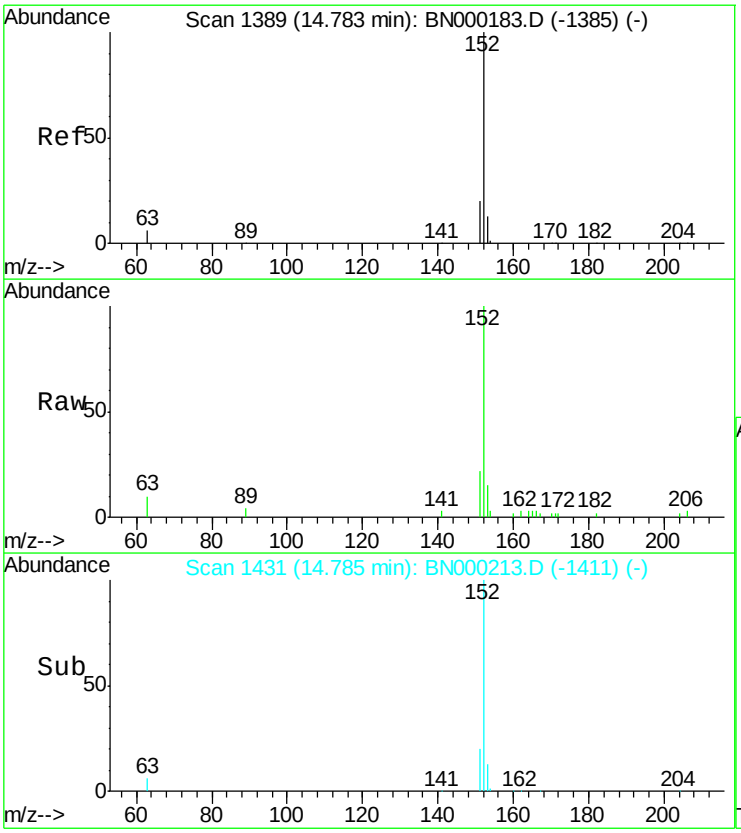
#15
2-Fluorobiphenyl
Concen: 0.347 ng
RT: 13.69 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Instrument :
BNA_N
ClientSampleId :
MDL-S-07

Tgt Ion:172 Resp: 18120

Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.9	44.9
170	22.8	21.8	32.8

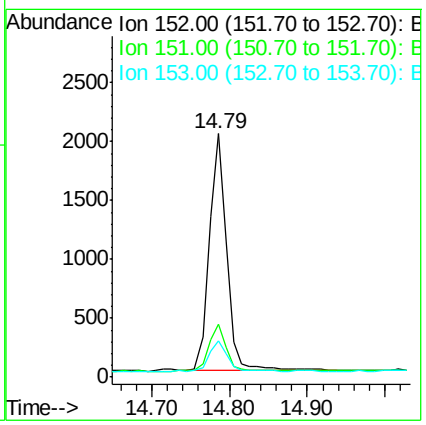


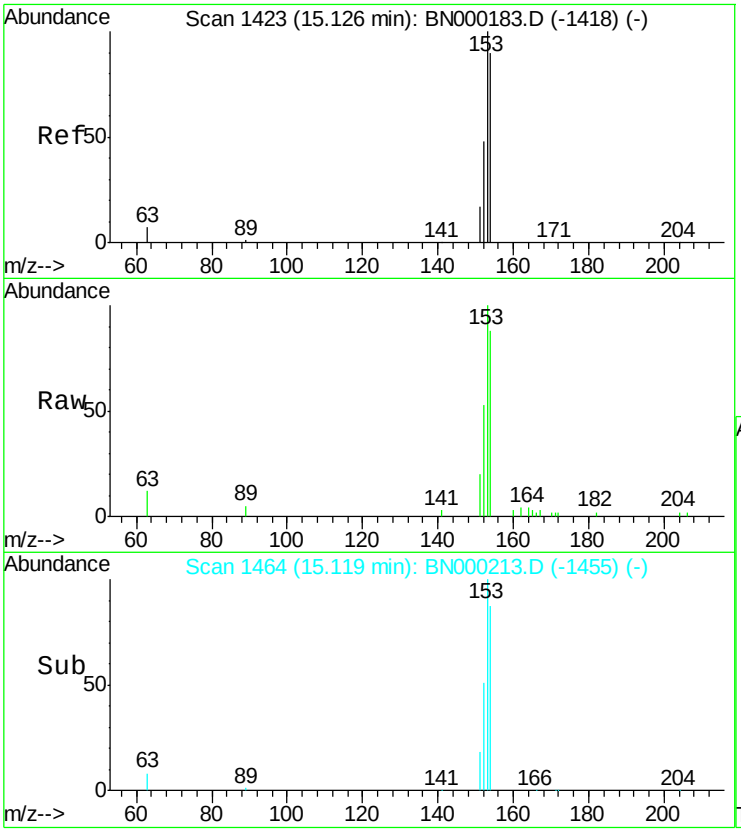


#16
Acenaphthylene
Concen: 0.061 ng
RT: 14.79 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Tgt Ion:152 Resp: 3152

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	13.6	10.5	15.7



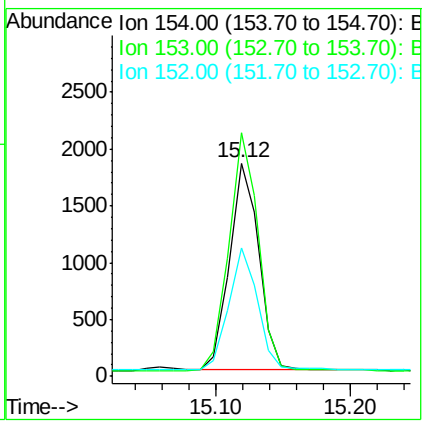


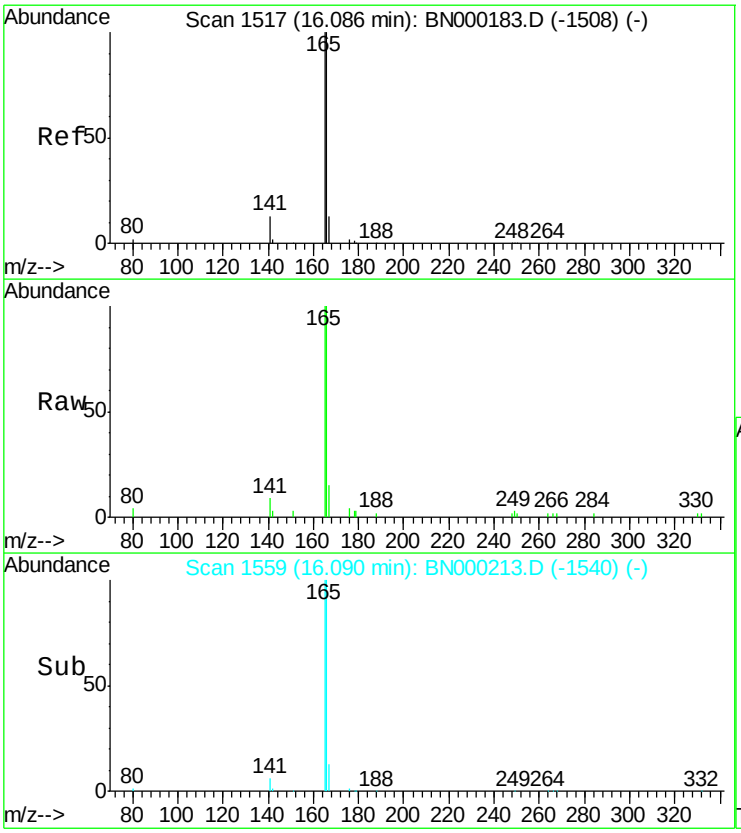
#17
Acenaphthene
Concen: 0.067 ng
RT: 15.12 min Scan# 1464
Delta R.T. -0.01 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Instrument :
BNA_N
ClientSampleId :
MDL-S-07

Tgt Ion:154 Resp: 2751

Ion	Ratio	Lower	Upper
154	100		
153	115.0	89.2	133.8
152	58.9	42.0	63.0

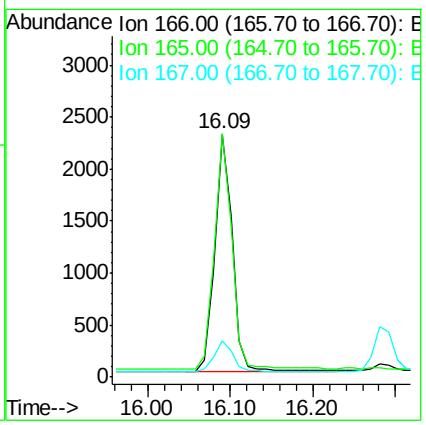


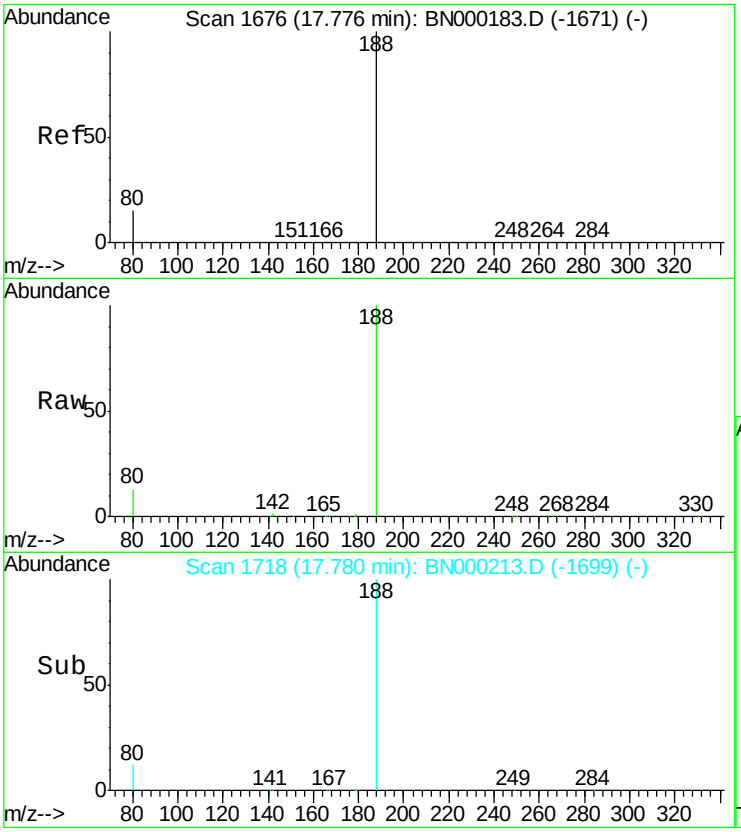


#18
Fluorene
Concen: 0.067 ng
RT: 16.09 min Scan# 1559
Delta R.T. 0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Tgt Ion:166 Resp: 3416

Ion	Ratio	Lower	Upper
166	100		
165	98.2	77.8	116.6
167	14.1	42.4	63.6#



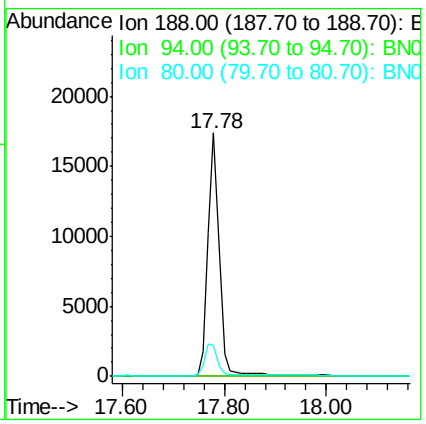


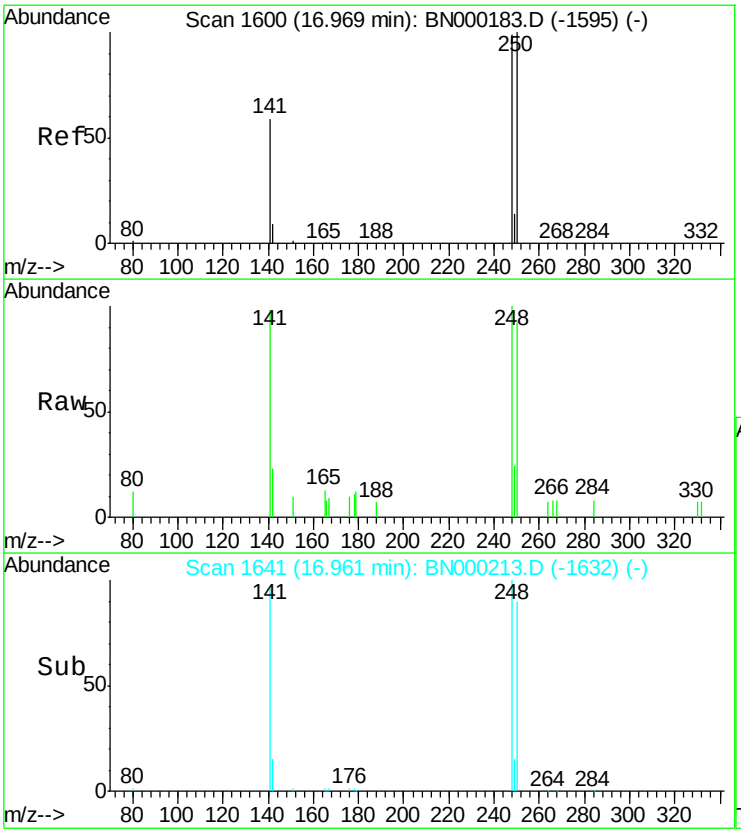
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.78 min Scan# 1718
Delta R.T. 0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Instrument :
BNA_N
ClientSampleId :
MDL-S-07

Tgt Ion:188 Resp: 26530

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	12.6	3.6	5.4#

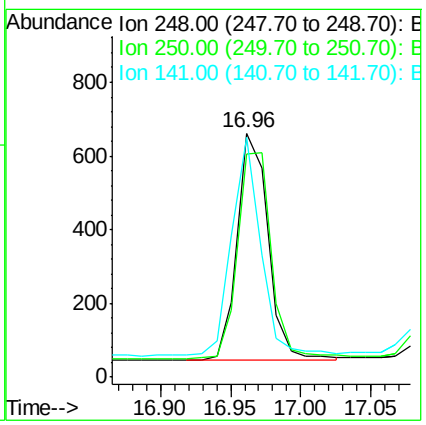


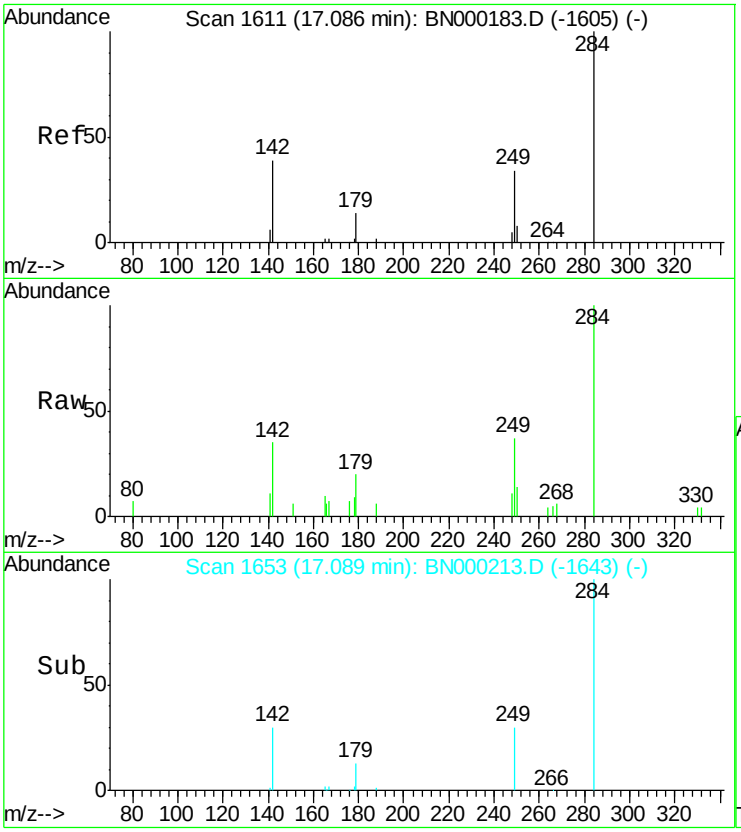


#20
4-Bromophenyl-phenylether
Concen: 0.062 ng
RT: 16.96 min Scan# 1641
Delta R.T. -0.01 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Tgt Ion:248 Resp: 946

Ion	Ratio	Lower	Upper
248	100		
250	91.7	62.7	94.1
141	98.3	48.2	72.2#



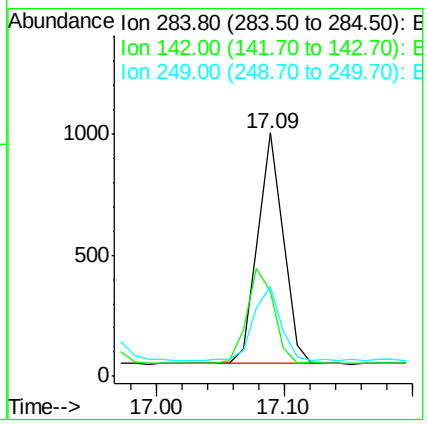


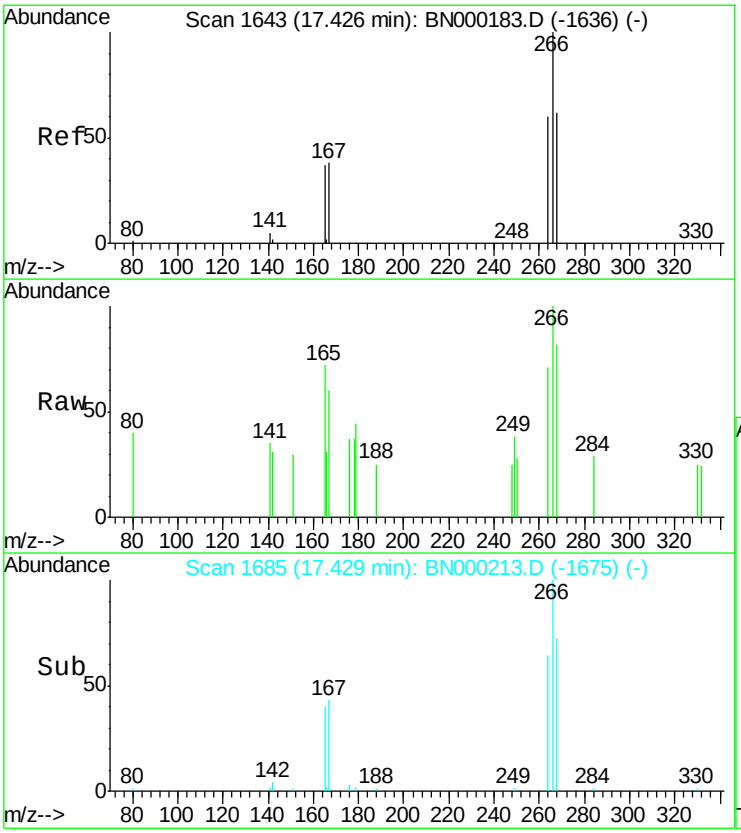
#21
Hexachlorobenzene
Concen: 0.065 ng
RT: 17.09 min Scan# 1653
Delta R.T. 0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Instrument :
BNA_N
ClientSampleId :
MDL-S-07

Tgt Ion:284 Resp: 1334

Ion	Ratio	Lower	Upper
284	100		
142	43.9	32.0	48.0
249	35.3	24.0	36.0

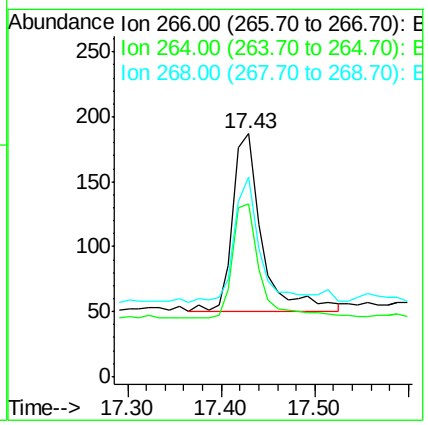


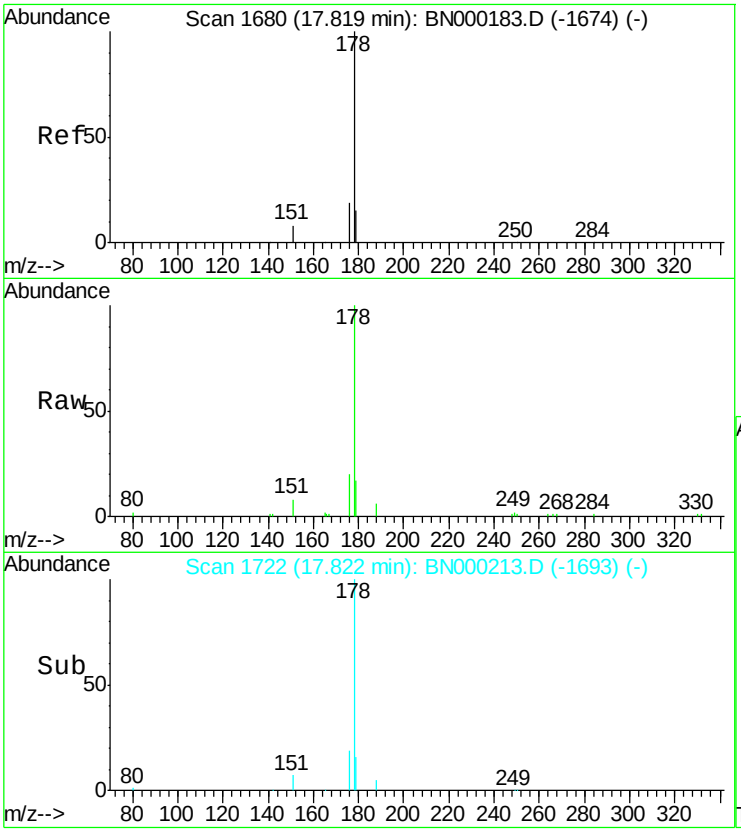


#22
Pentachlorophenol
Concen: 0.142 ng
RT: 17.43 min Scan# 1685
Delta R.T. 0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Tgt Ion:266 Resp: 300

Ion	Ratio	Lower	Upper
266	100		
264	71.1	48.0	72.0
268	82.4	52.0	78.0#



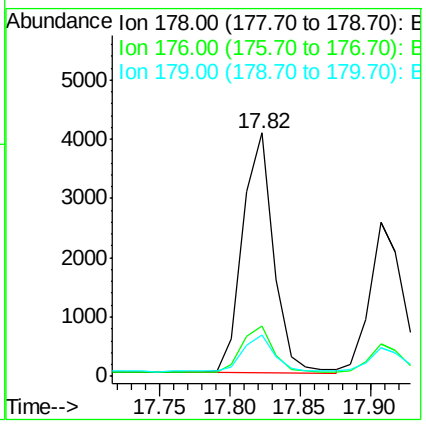


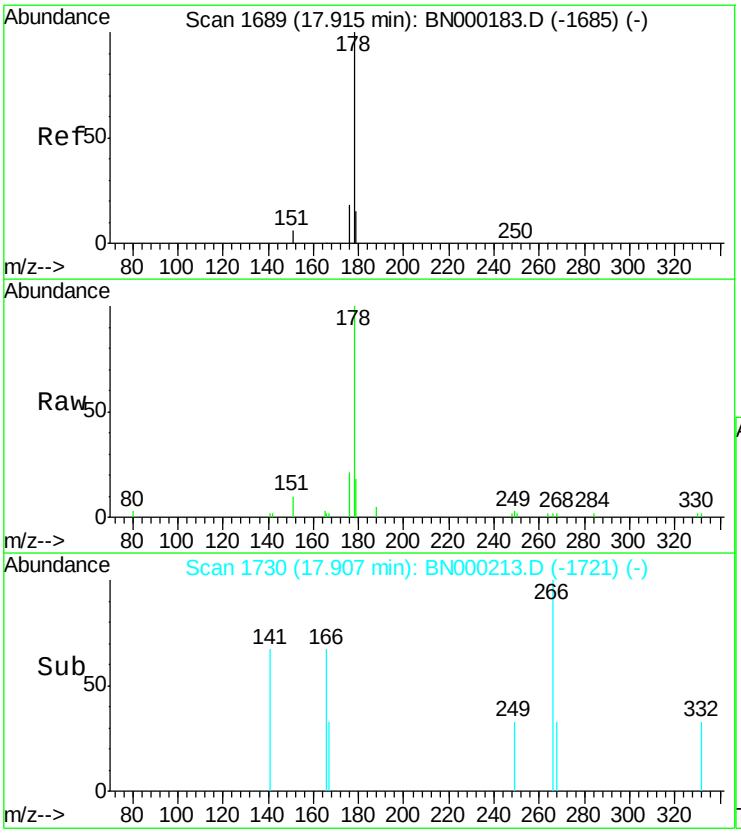
#23
Phenanthrene
Concen: 0.067 ng
RT: 17.82 min Scan# 1722
Delta R.T. 0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Instrument :
BNA_N
ClientSampleId :
MDL-S-07

Tgt Ion:178 Resp: 6215

Ion	Ratio	Lower	Upper
178	100		
176	21.0	15.1	22.7
179	16.9	11.8	17.6

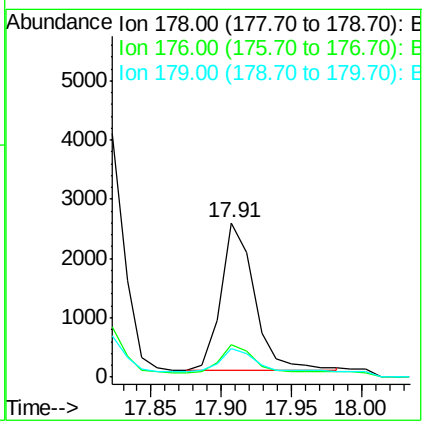


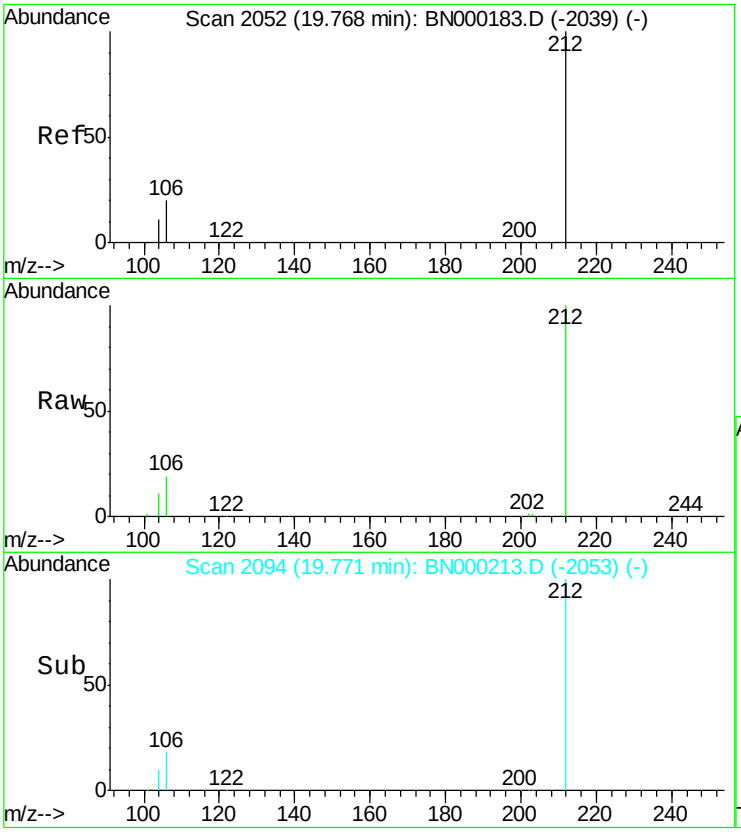


#24
Anthracene
Concen: 0.059 ng
RT: 17.91 min Scan# 1730
Delta R.T. -0.01 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Tgt Ion:178 Resp: 4147

Ion	Ratio	Lower	Upper
178	100		
176	18.3	12.8	19.2
179	15.6	13.0	19.6



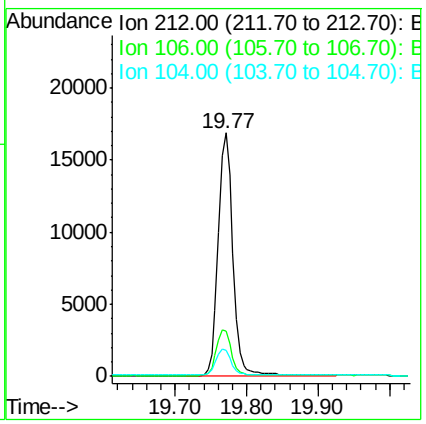


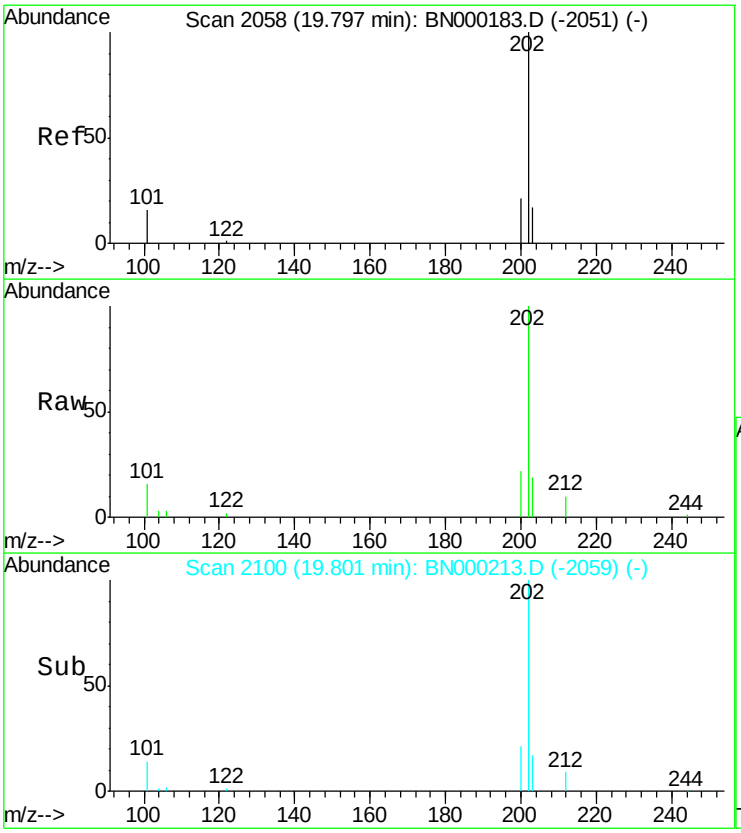
#25
Fluoranthene-d10
Concen: 0.336 ng
RT: 19.77 min Scan# 2094
Delta R.T. 0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Instrument :
BNA_N
ClientSampleId :
MDL-S-07

Tgt Ion:212 Resp: 23824

Ion	Ratio	Lower	Upper
212	100		
106	19.2	2.8	4.2#
104	10.6	1.6	2.4#

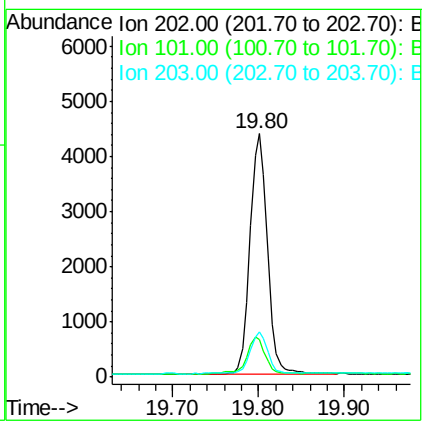


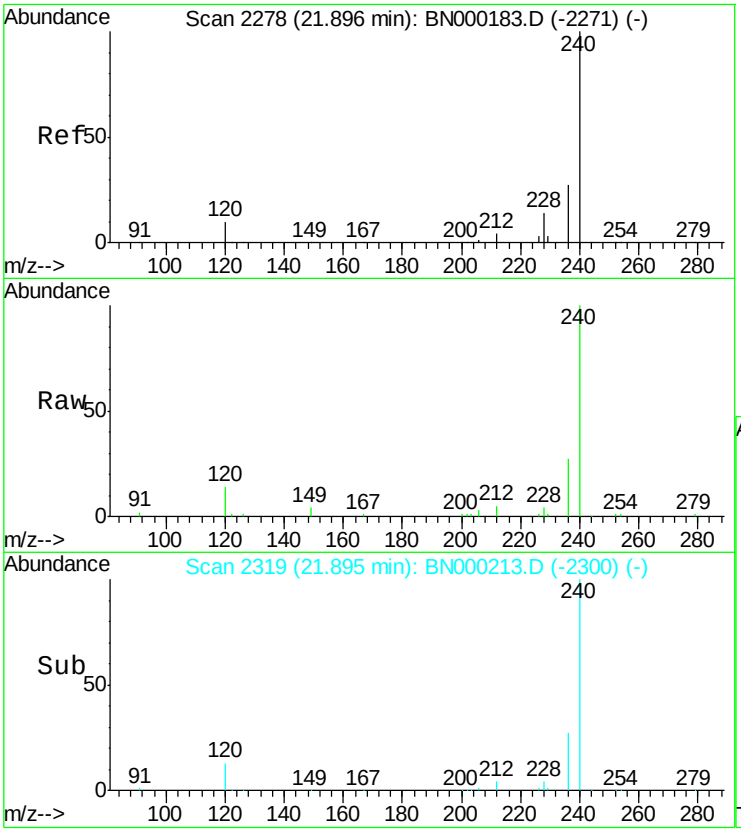


#26
Fluoranthene
Concen: 0.064 ng
RT: 19.80 min Scan# 2100
Delta R.T. 0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Tgt Ion:202 Resp: 6183

Ion	Ratio	Lower	Upper
202	100		
101	16.3	9.8	14.8#
203	17.7	13.7	20.5



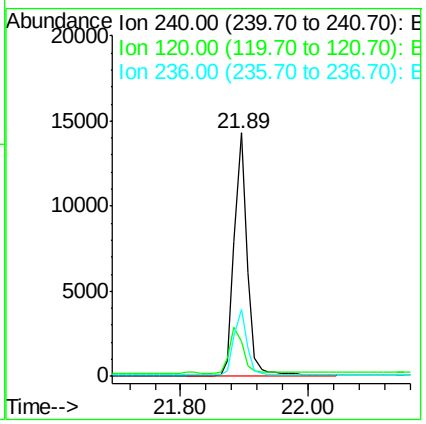


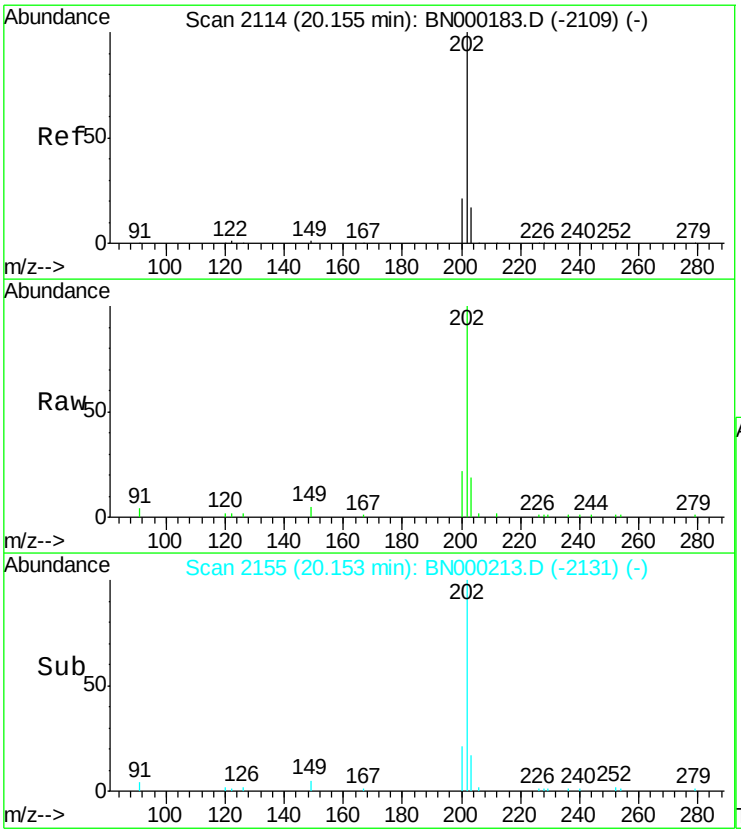
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.89 min Scan# 2319
Delta R.T. -0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Instrument :
BNA_N
ClientSampleId :
MDL-S-07

Tgt Ion:240 Resp: 20208

Ion	Ratio	Lower	Upper
240	100		
120	14.2	5.5	8.3#
236	27.3	20.7	31.1

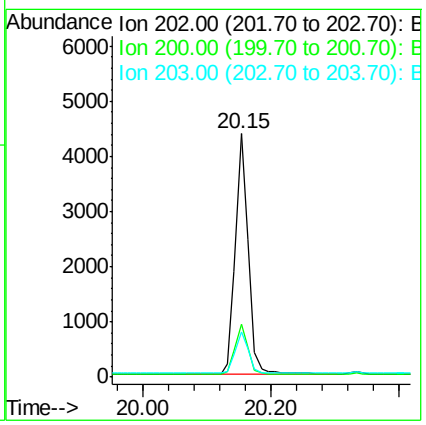


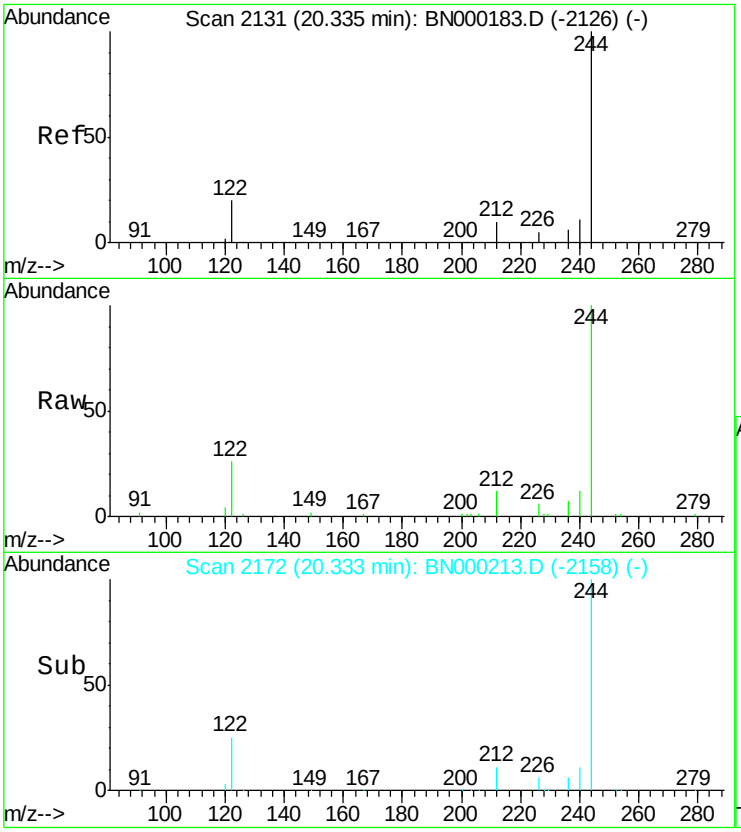


#28
Pyrene
Concen: 0.077 ng
RT: 20.15 min Scan# 2155
Delta R.T. -0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Tgt Ion:202 Resp: 6119

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	17.7	13.8	20.8



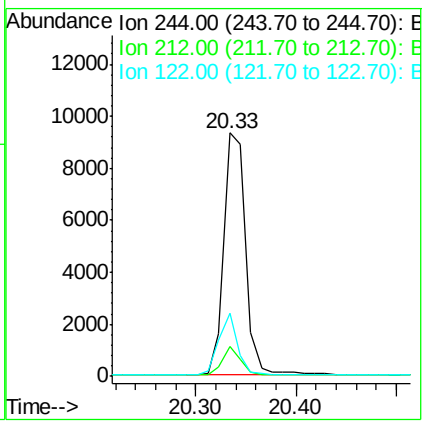


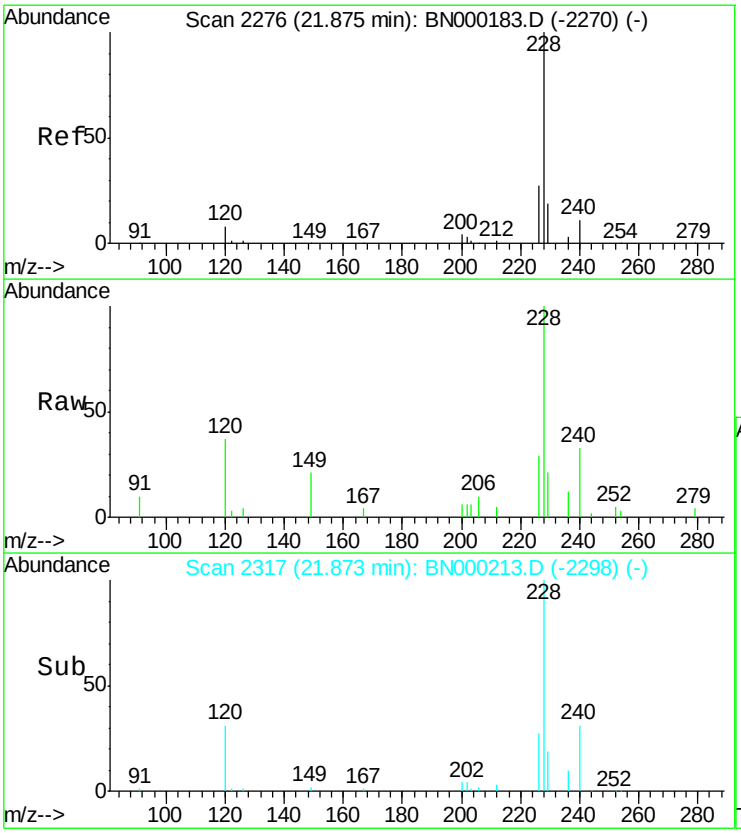
#29
Terphenyl-d14
Concen: 0.400 ng
RT: 20.33 min Scan# 2172
Delta R.T. -0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Instrument :
BNA_N
ClientSampleId :
MDL-S-07

Tgt Ion:244 Resp: 14216

Ion	Ratio	Lower	Upper
244	100		
212	12.1	25.4	38.0#
122	25.8	8.1	12.1#

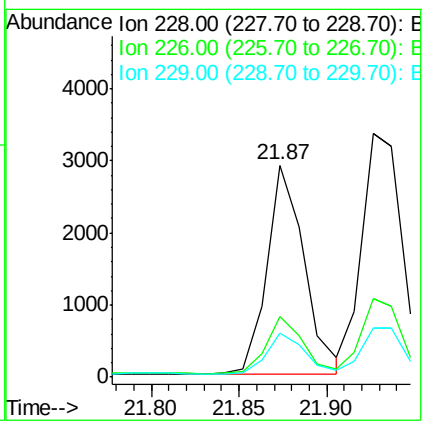


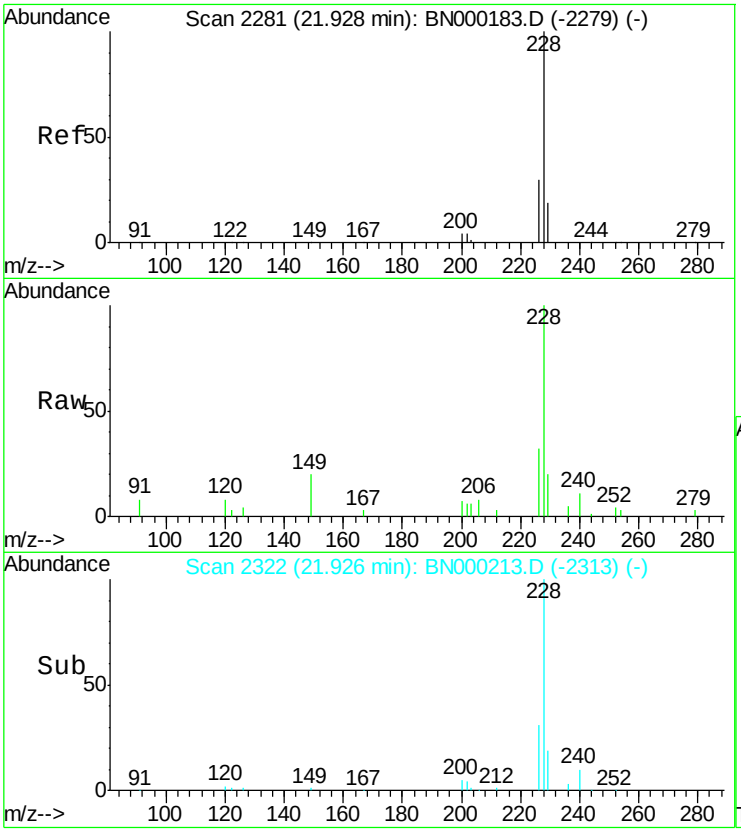


#30
Benzo(a)anthracene
Concen: 0.067 ng
RT: 21.87 min Scan# 2317
Delta R.T. -0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Tgt Ion:228 Resp: 4238

Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.0	36.0
229	20.6	16.0	24.0



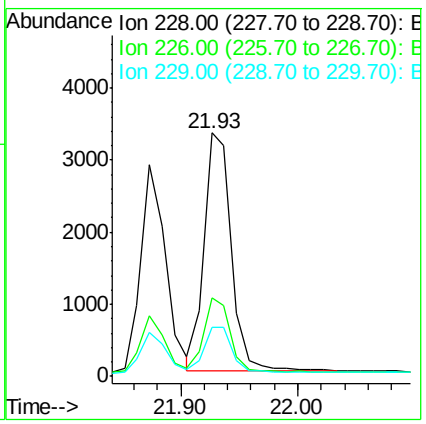


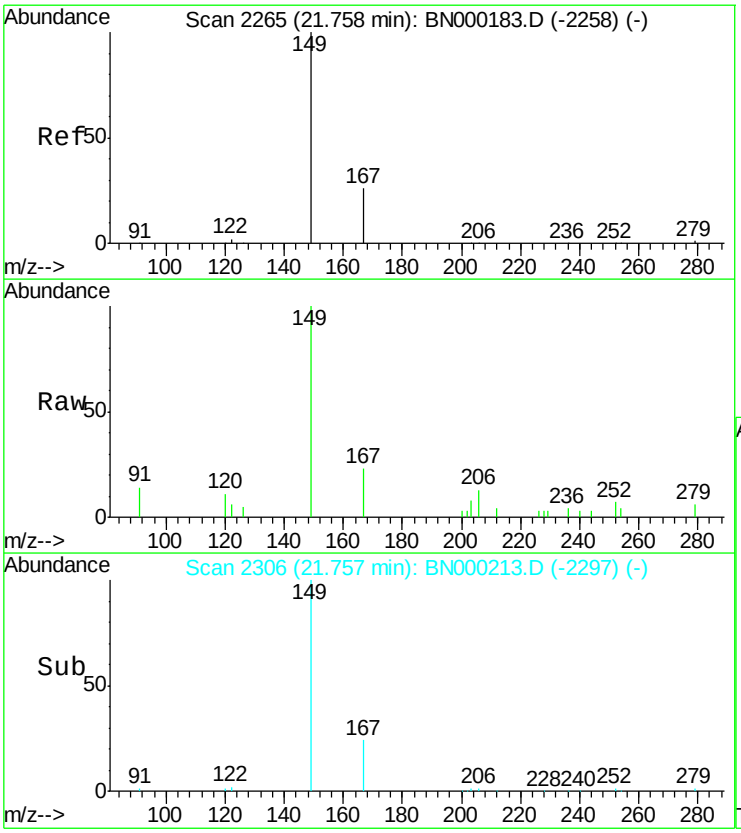
#31
Chrysene
Concen: 0.072 ng
RT: 21.93 min Scan# 2322
Delta R.T. -0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Instrument :
BNA_N
ClientSampleId :
MDL-S-07

Tgt Ion:228 Resp: 5348

Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.0	36.0
229	20.3	16.0	24.0

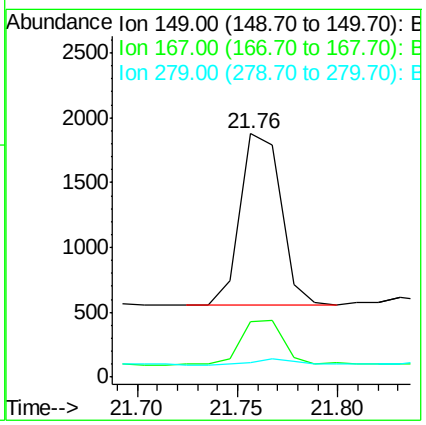


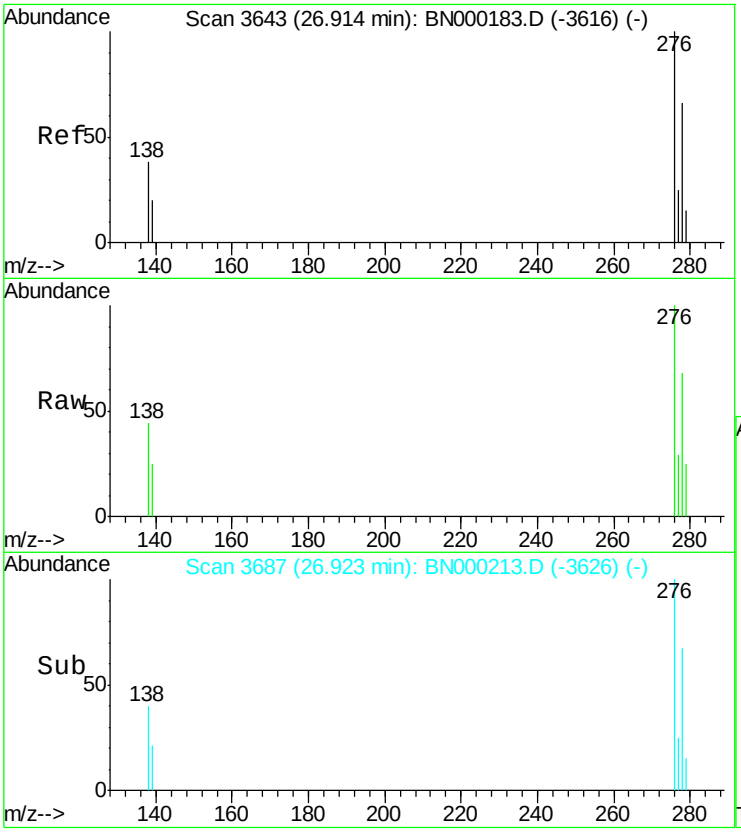


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.079 ng
RT: 21.76 min Scan# 2306
Delta R.T. -0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Tgt Ion:149 Resp: 1860

Ion	Ratio	Lower	Upper
149	100		
167	29.5	20.0	30.0
279	3.8	1.6	2.4#



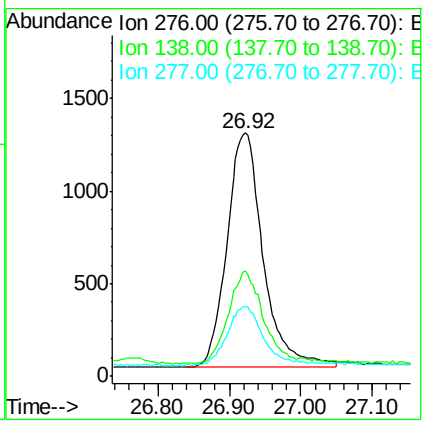


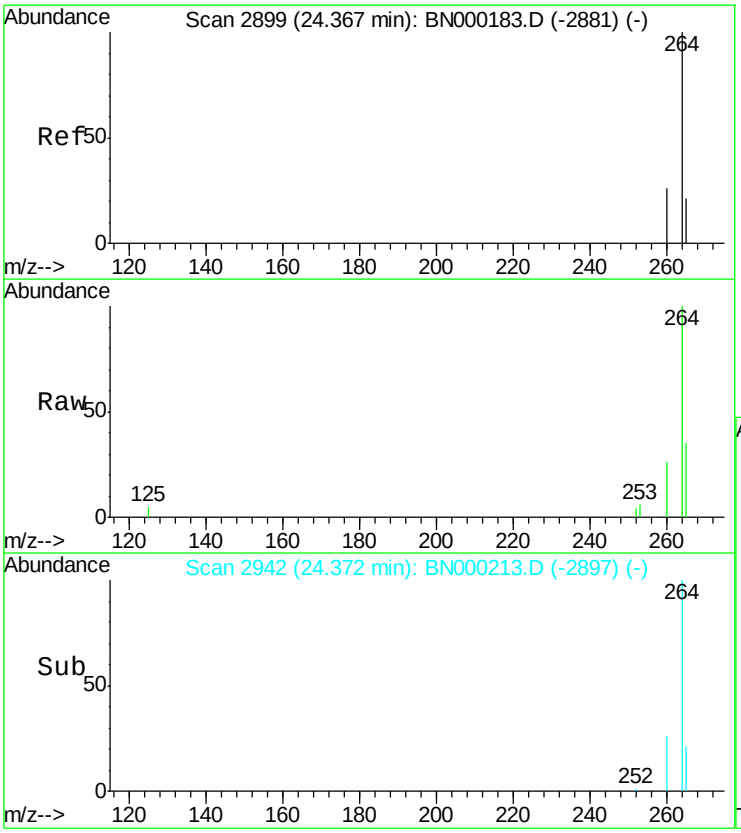
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.064 ng
RT: 26.92 min Scan# 3687
Delta R.T. 0.01 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Instrument :
BNA_N
ClientSampleId :
MDL-S-07

Tgt Ion:276 Resp: 4462

Ion	Ratio	Lower	Upper
276	100		
138	37.6	22.5	33.7#
277	24.6	19.9	29.9

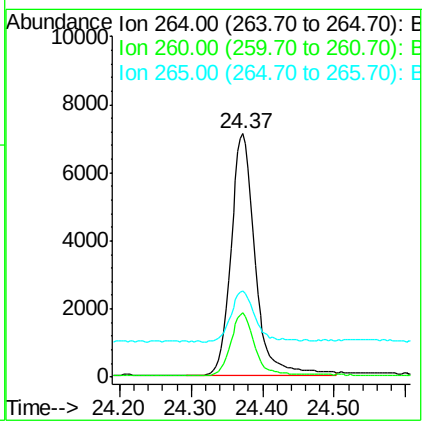


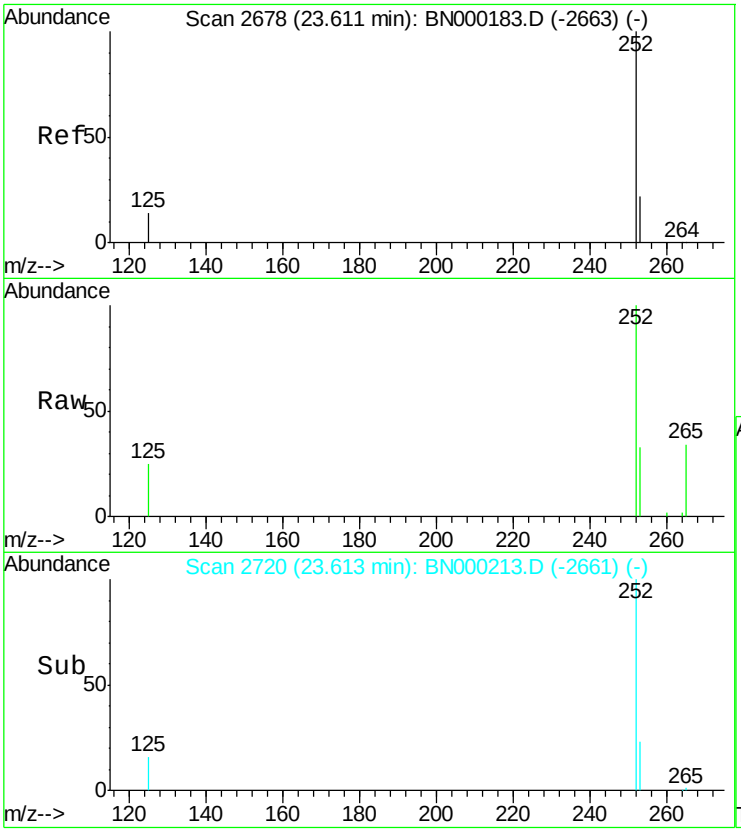


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.37 min Scan# 2942
Delta R.T. 0.01 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Tgt Ion:264 Resp: 16564

Ion	Ratio	Lower	Upper
264	100		
260	26.2	20.5	30.7
265	35.3	22.8	34.2#



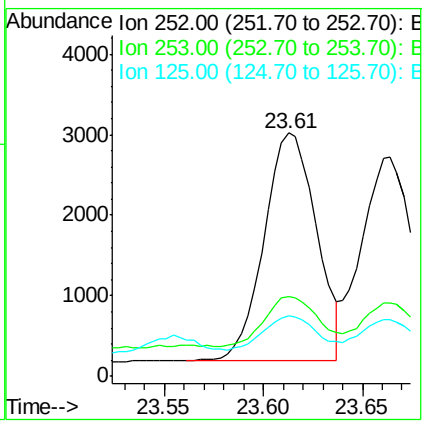


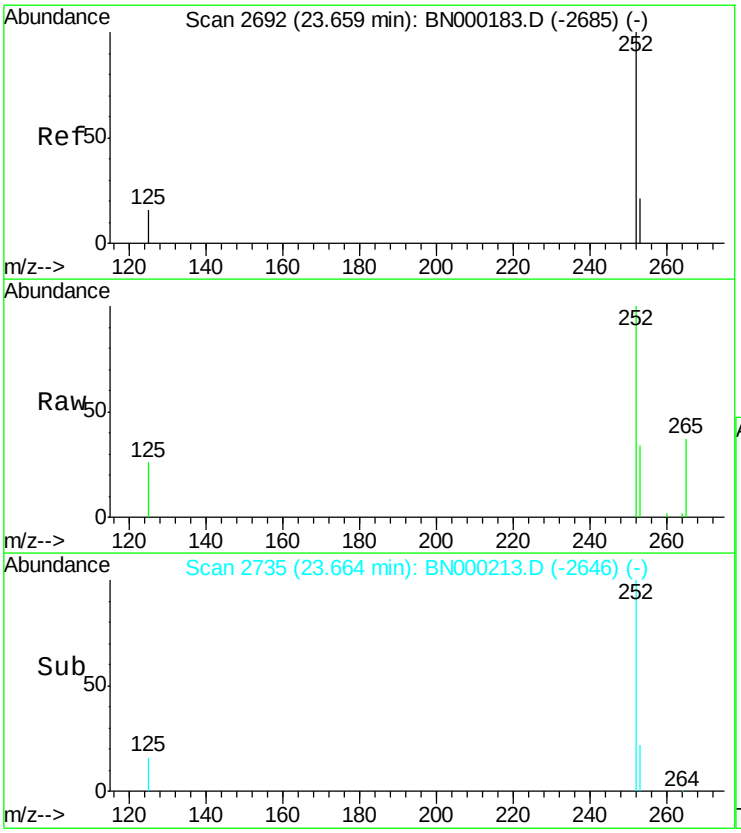
#35
Benzo(b)fluoranthene
Concen: 0.069 ng
RT: 23.61 min Scan# 2720
Delta R.T. 0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Instrument :
BNA_N
ClientSampleId :
MDL-S-07

Tgt Ion:252 Resp: 5182

Ion	Ratio	Lower	Upper
252	100		
253	32.9	20.0	30.0#
125	24.8	16.0	24.0#

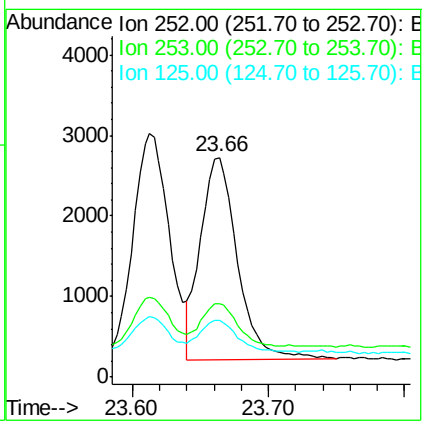


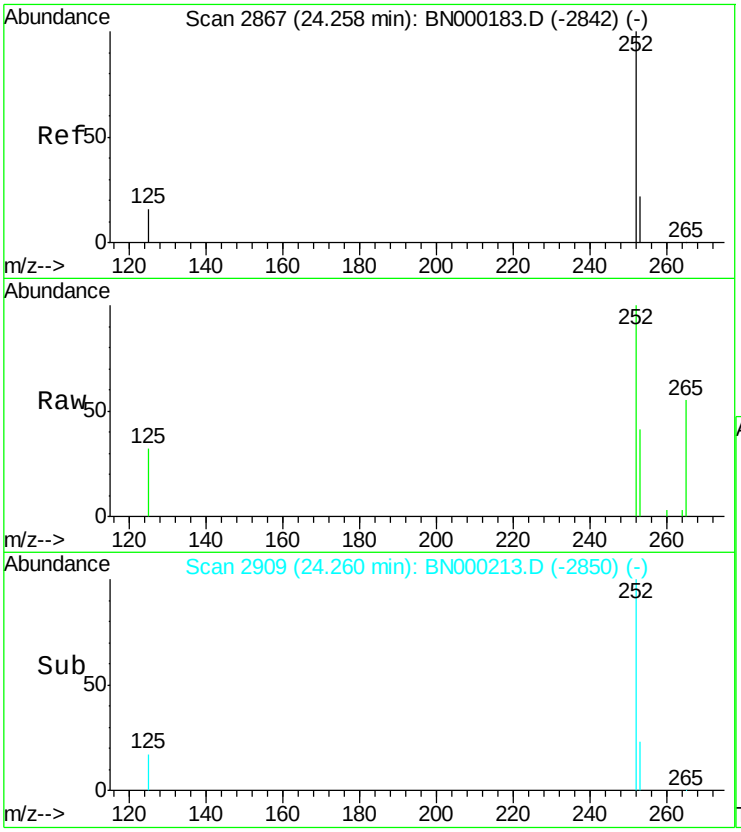


#36
Benzo(k)fluoranthene
Concen: 0.064 ng
RT: 23.66 min Scan# 2735
Delta R.T. 0.01 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Tgt Ion:252 Resp: 4711

Ion	Ratio	Lower	Upper
252	100		
253	33.6	16.0	24.0#
125	25.8	8.0	12.0#



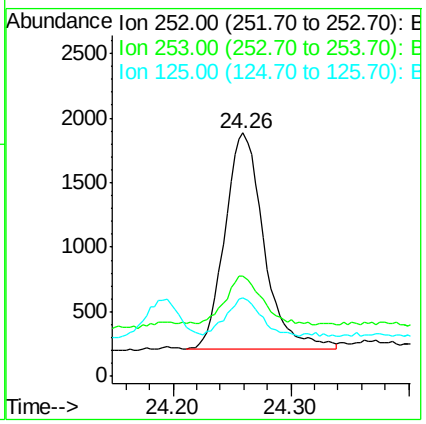


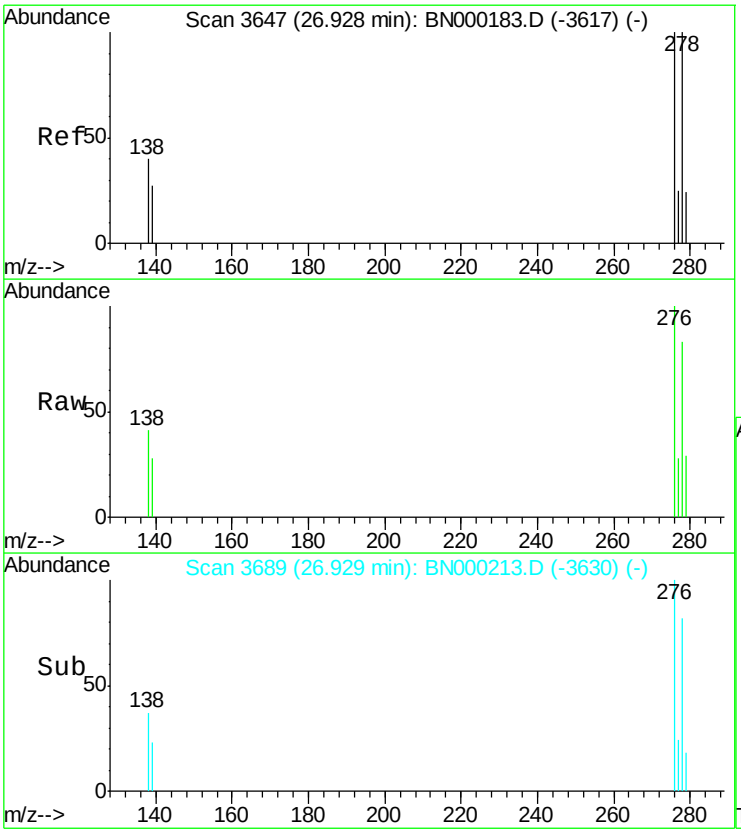
#37
Benzo(a)pyrene
Concen: 0.063 ng
RT: 24.26 min Scan# 2909
Delta R.T. 0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Instrument :
BNA_N
ClientSampleId :
MDL-S-07

Tgt Ion:252 Resp: 3885

Ion	Ratio	Lower	Upper
252	100		
253	40.9	16.0	24.0#
125	32.0	12.0	18.0#

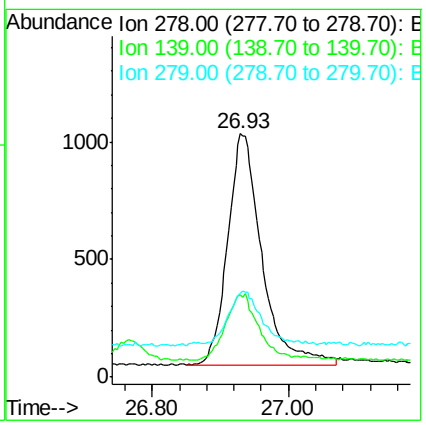


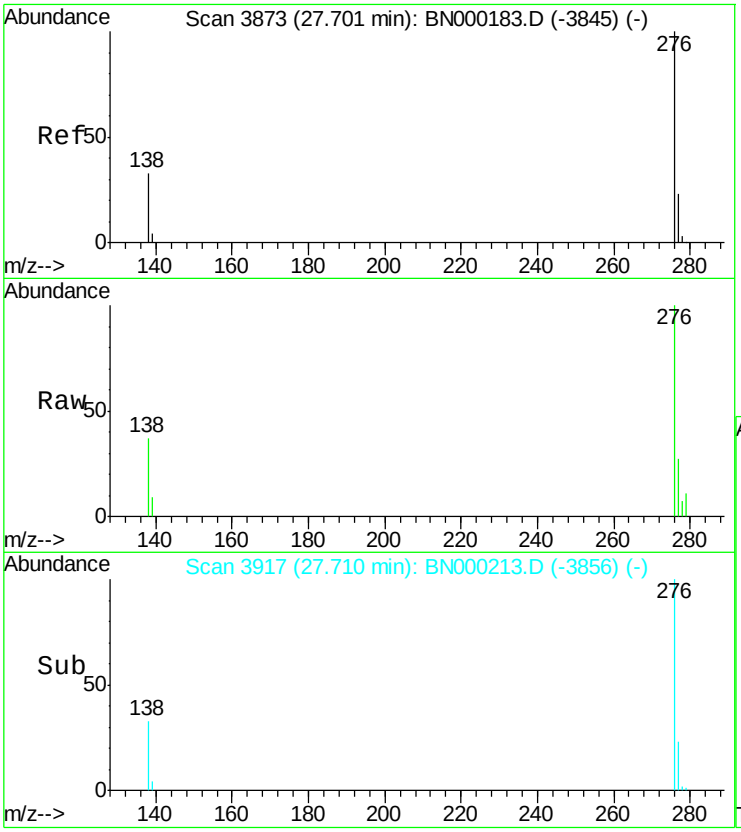


#38
Dibenzo(a,h)anthracene
Concen: 0.062 ng
RT: 26.93 min Scan# 3689
Delta R.T. 0.00 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Tgt Ion:278 Resp: 3427

Ion	Ratio	Lower	Upper
278	100		
139	34.0	16.0	24.0#
279	34.4	20.0	30.0#





#39
Benzo(g,h,i)perylene
Concen: 0.068 ng
RT: 27.71 min Scan# 3917
Delta R.T. 0.01 min
Lab File: BN000213.D
Acq: 01 Mar 2018 12:19

Instrument :
BNA_N
ClientSampleId :
MDL-S-07

Tgt Ion:276 Resp: 4382

Ion	Ratio	Lower	Upper
276	100		
277	27.1	16.0	24.0#
138	36.9	20.0	30.0#