Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA N\Data\BN022718\
Data File : BN000183.D
Acq On : 27 Feb 2018 10:25
Operator : JU/SJ
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 27 11:41:16 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BN022718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 27 11:40:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.461	152	6938	0.40	ng		0.00
7) Naphthalene-d8	11.288	136	26583	0.40	ng		0.00
13) Acenaphthene-d10	15.055	164	13298	0.40	ng		0.00
19) Phenanthrene-d10	17.776	188	29928	0.40	ng		0.00
27) Chrysene-d12	21.896	240	27714	0.40	ng		0.00
34) Perylene-d12	24.367	264	23589	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.937	112	6011	0.33	ng		0.00
5) Phenol-d6	7.580	99	7396	0.29	ng		0.00
8) Nitrobenzene-d5	9.627	82	6338	0.23	ng		0.00
11) 2-Methylnaphthalene-d10	12.849	152	16278	0.37	ng		0.00
14) 2,4,6-Tribromophenol	16.533	330	1654	0.35	ng		0.00
15) 2-Fluorobiphenyl	13.692	172	25782	0.43	ng		0.00
25) Fluoranthene-d10	19.768	212	31604	0.08	ng		0.00
29) Terphenyl-d14	20.335	244	19778	0.36	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.662	88	3477	0.32	ng	#	70
3) n-Nitrosodimethylamine	4.030	42	1871	0.14	ng	#	74
6) bis(2-Chloroethyl)ether	7.853	93	9828	0.38	ng	#	1
9) Naphthalene	11.338	128	31771	0.10	ng	#	73
10) Hexachlorobutadiene	11.618	225	5452	0.31	ng		97
12) 2-Methylnaphthalene	12.921	142	20619	0.39	ng		99
16) Acenaphthylene	14.783	152	24484	0.33	ng		100
17) Acenaphthene	15.126	154	19825	0.42	ng		97
18) Fluorene	16.086	166	24369	0.42	ng	#	80
20) 4-Bromophenyl-phenylether	16.969	248	6863	0.37	ng	#	85
21) Hexachlorobenzene	17.086	284	9254	0.48	ng	#	78
22) Pentachlorophenol	17.426	266	2155	0.48	ng	#	70
23) Phenanthrene	17.819	178	42466	0.45	ng		99
24) Anthracene	17.915	178	31942	0.37	ng	#	95
26) Fluoranthene	19.797	202	43212	0.38	ng	#	96
28) Pyrene	20.155	202	43768	0.39	ng		100
30) Benzo(a)anthracene	21.875	228	34866	0.39	ng		97
31) Chrysene	21.928	228	41906	0.47	ng		99
32) Bis(2-ethylhexyl)phtha...	21.758	149	11965	0.07	ng	#	50
33) Indeno(1,2,3-cd)pyrene	26.914	276	39842	0.46	ng	#	89
35) Benzo(b)fluoranthene	23.611	252	42364	0.50	ng		95
36) Benzo(k)fluoranthene	23.659	252	42396	0.51	ng	#	90
37) Benzo(a)pyrene	24.258	252	34494	0.46	ng	#	91
38) Dibenzo(a,h)anthracene	26.928	278	30718	0.46	ng	#	92
39) Benzo(g,h,i)perylene	27.701	276	37068	0.51	ng	#	87

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

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Sample : SSTDICCC0.4
Misc :
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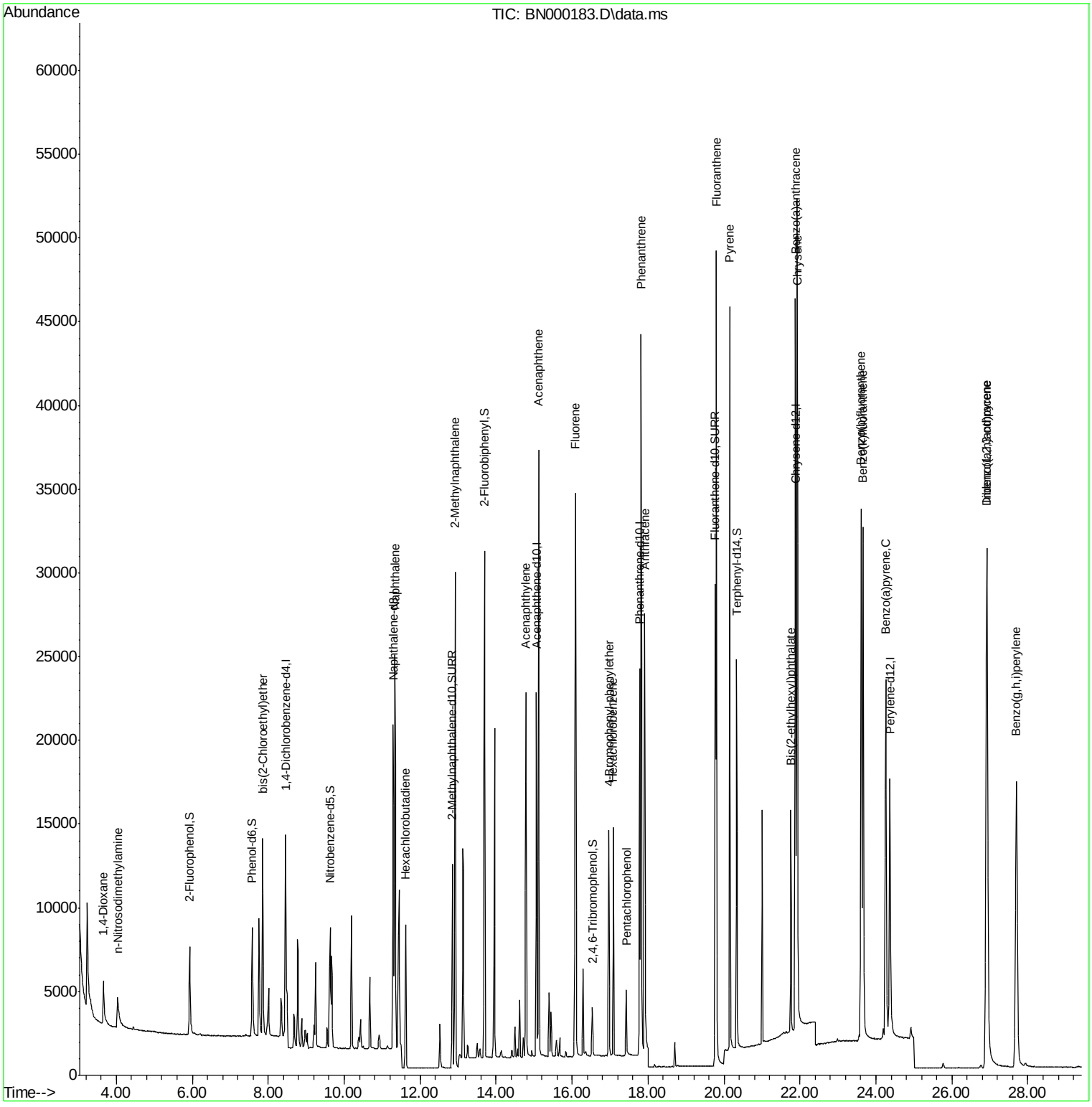
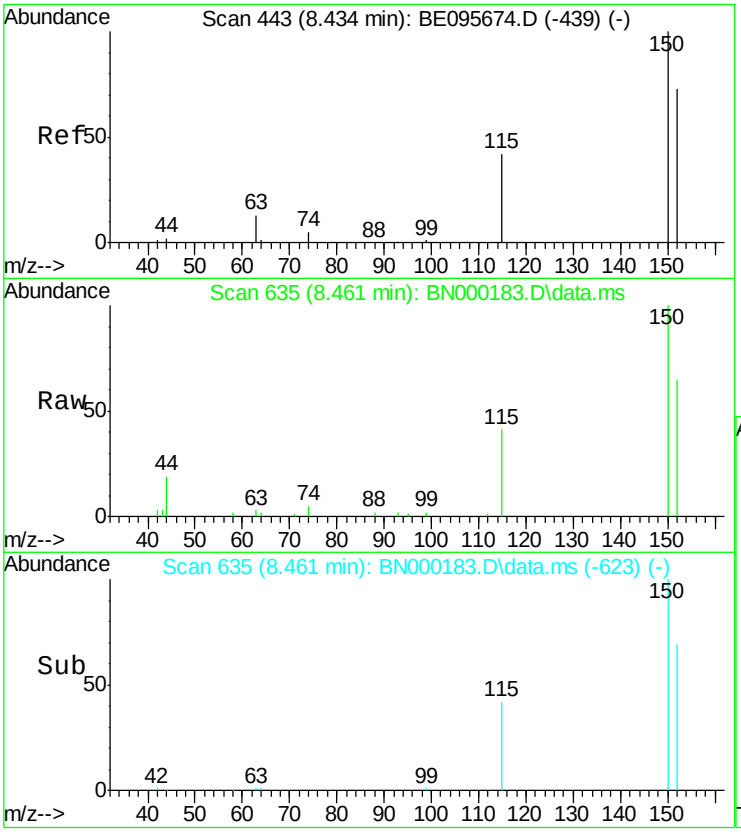
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BN022718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 27 11:40:45 2018
Response via : Initial Calibration

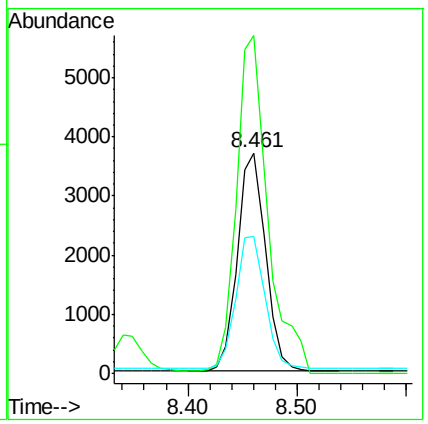


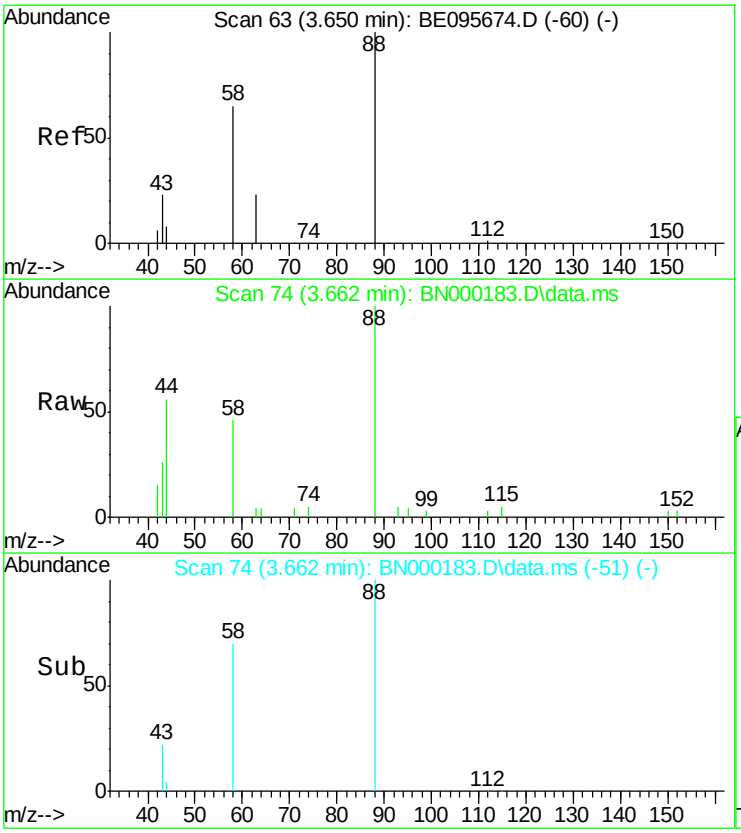


#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 8.461 min Scan# 635
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:152 Resp: 6938

Ion	Ratio	Lower	Upper
152	100		
150	153.3	117.2	175.8
115	62.2	57.0	85.6

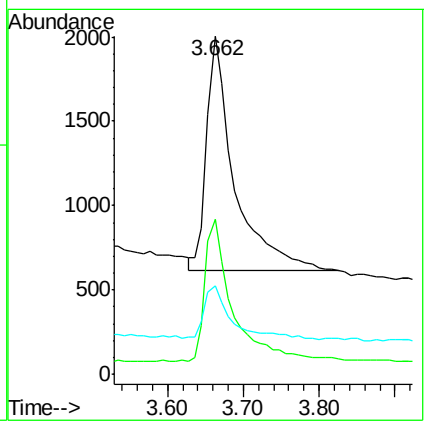


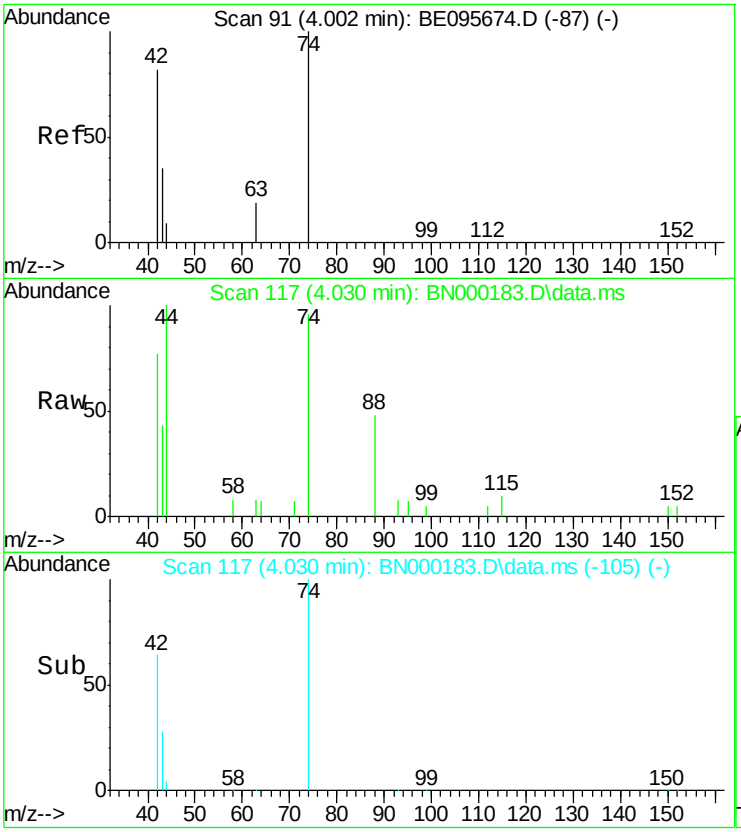


#2
1,4-Dioxane
Concen: 0.32 ng
RT: 3.662 min Scan# 74
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion: 88 Resp: 3477

Ion	Ratio	Lower	Upper
88	100		
58	59.6	63.2	94.8#
43	22.4	41.2	61.8#

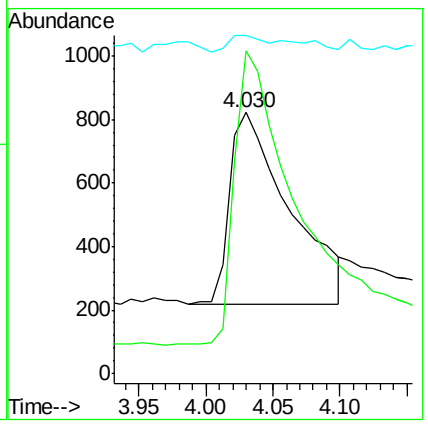


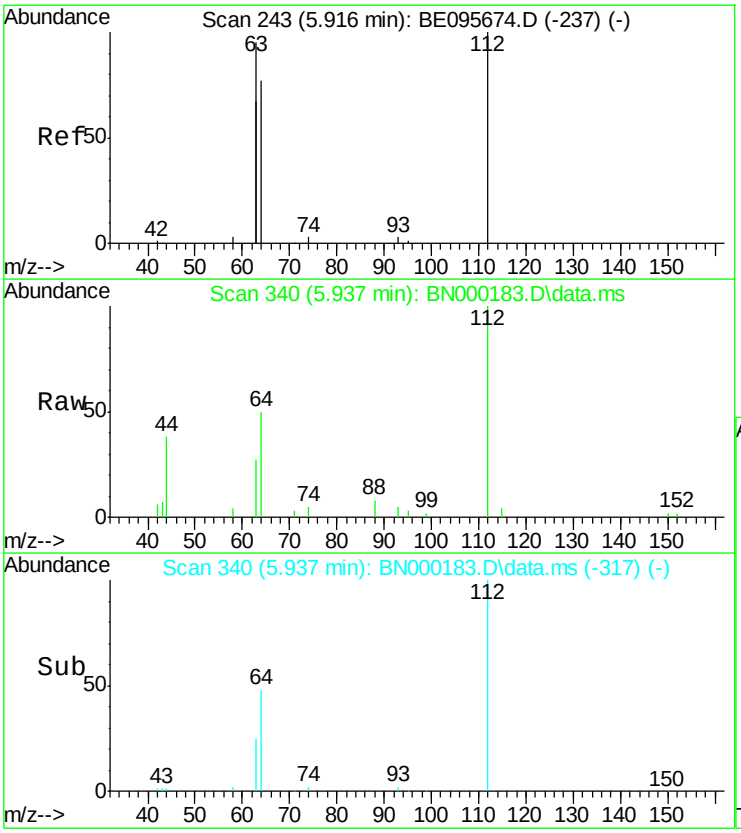


#3
n-Nitrosodimethylamine
Concen: 0.14 ng
RT: 4.030 min Scan# 117
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion: 42 Resp: 1871

Ion	Ratio	Lower	Upper
42	100		
74	148.9	96.0	144.0#
44	5.3	12.0	18.0#

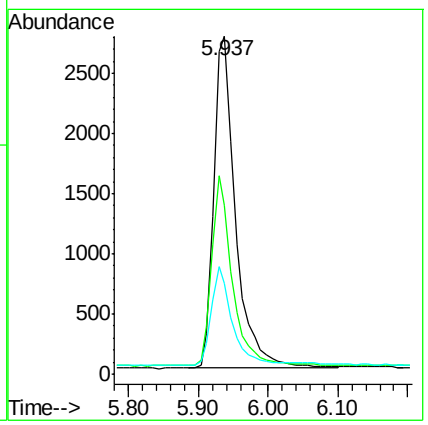


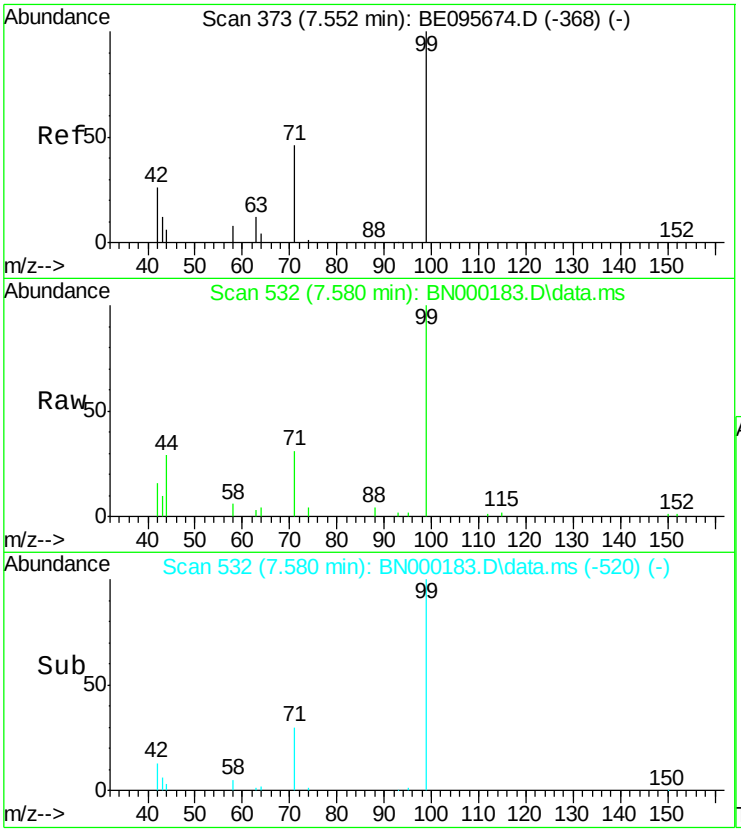


#4
2-Fluorophenol
Concen: 0.33 ng
RT: 5.937 min Scan# 340
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:112 Resp: 6011

Ion	Ratio	Lower	Upper
112	100		
64	54.0	60.1	90.1#
63	28.9	116.8	175.2#

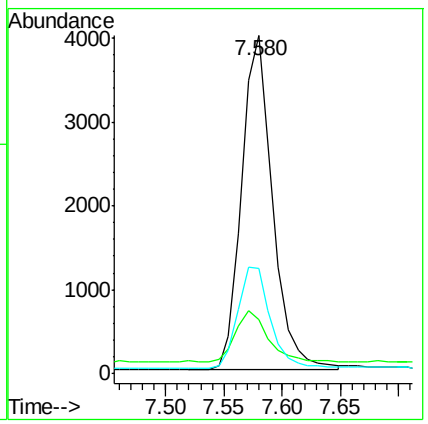


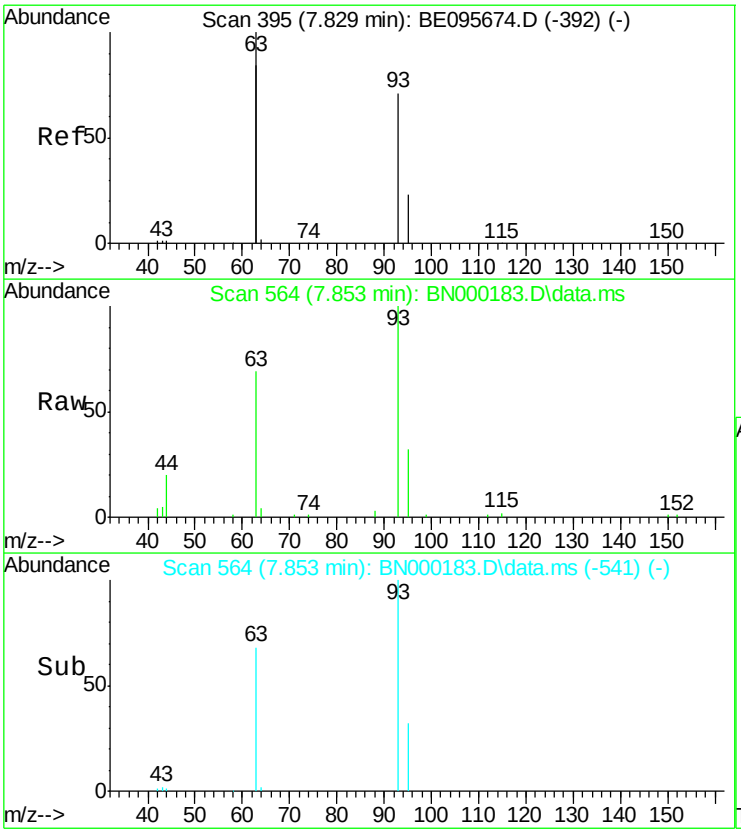


#5
Phenol-d6
Concen: 0.29 ng
RT: 7.580 min Scan# 532
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion: 99 Resp: 7396

Ion	Ratio	Lower	Upper
99	100		
42	16.6	20.2	30.2#
71	31.7	28.4	42.6

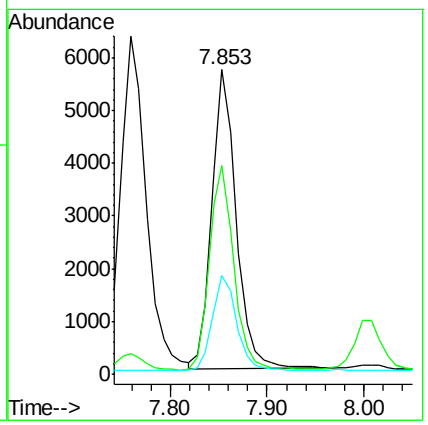


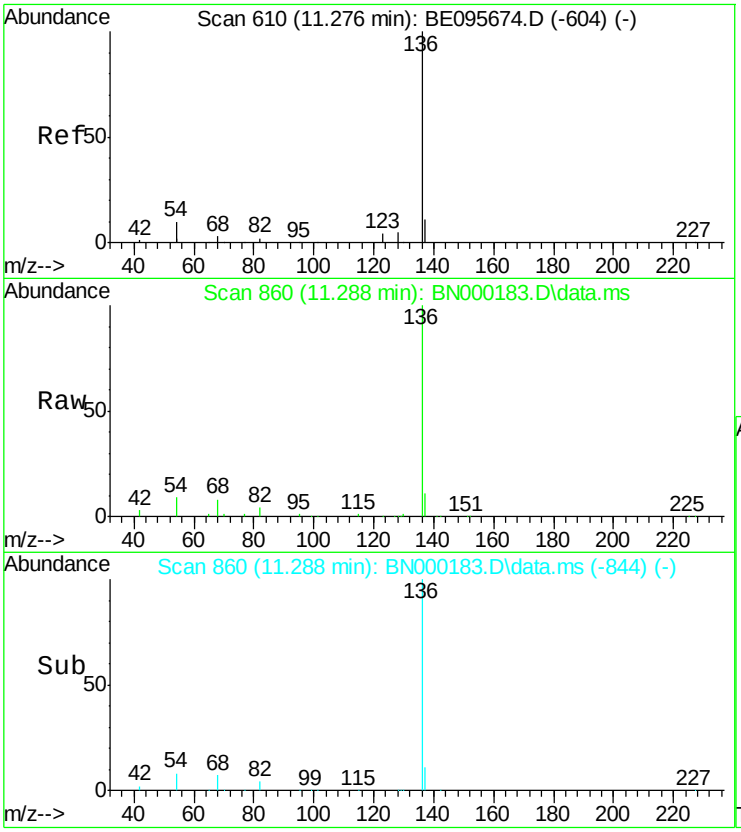


#6
bis(2-Chloroethyl)ether
Concen: 0.38 ng
RT: 7.853 min Scan# 564
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion: 93 Resp: 9828

Ion	Ratio	Lower	Upper
93	100		
63	68.3	275.3	412.9#
95	32.2	25.2	37.8

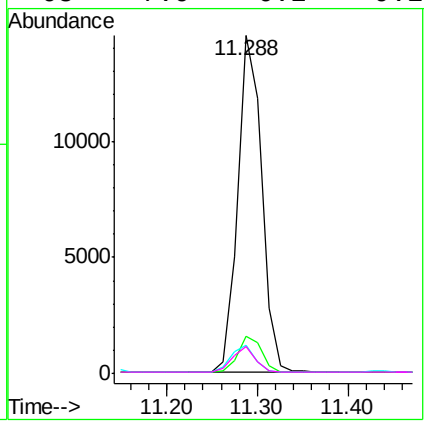


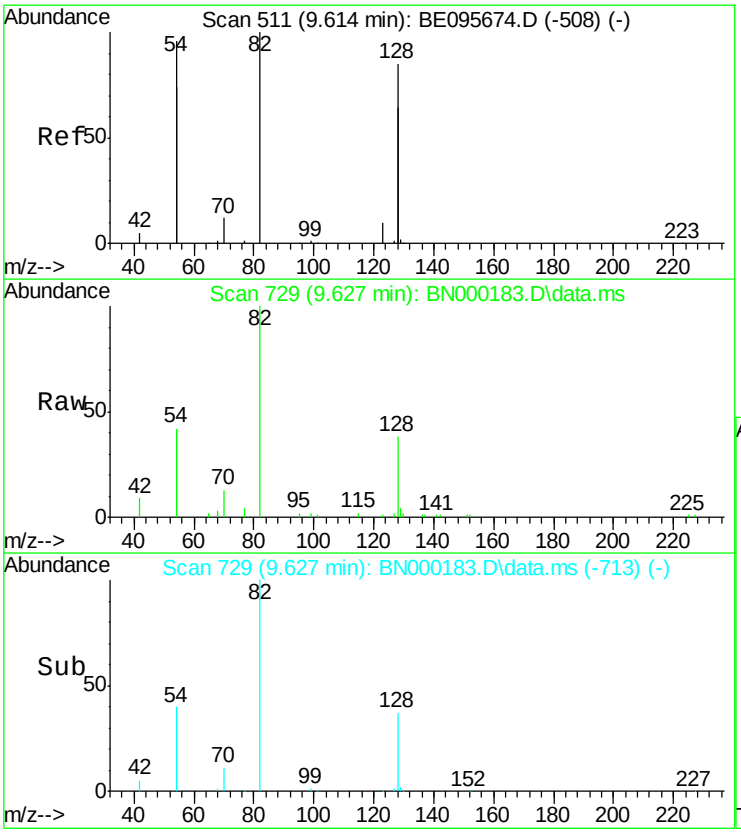


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 11.288 min Scan# 860
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:136 Resp: 26583

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.5	14.3
54	8.6	29.1	43.7#
68	7.9	6.2	9.2

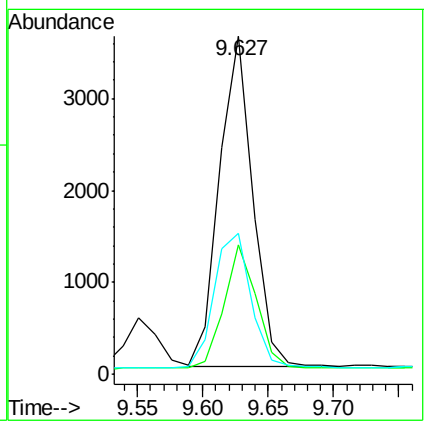


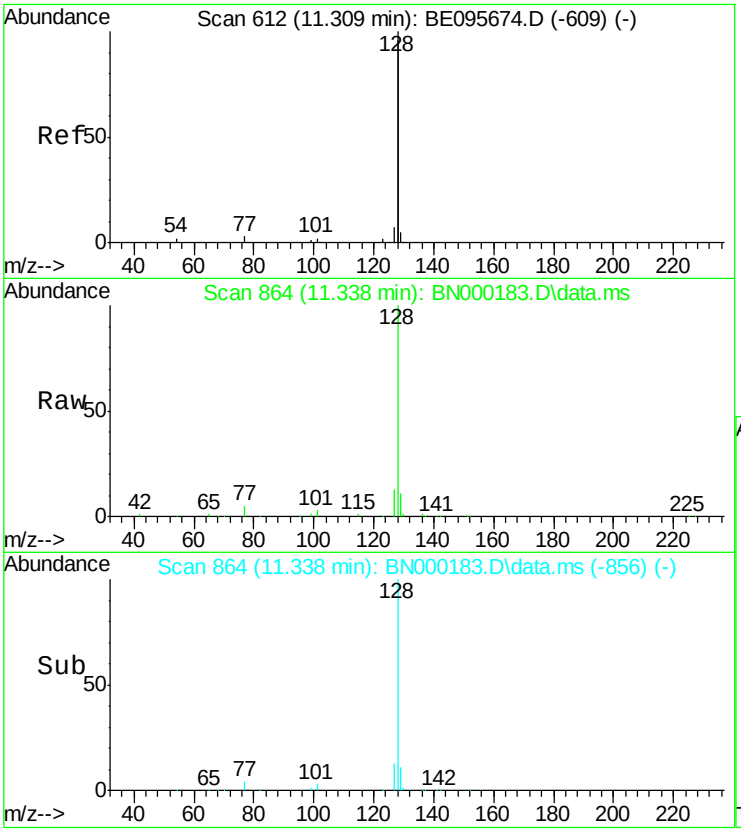


#8
Nitrobenzene-d5
Concen: 0.23 ng
RT: 9.627 min Scan# 729
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion: 82 Resp: 6338

Ion	Ratio	Lower	Upper
82	100		
128	38.2	150.0	225.0#
54	41.6	154.2	231.4#

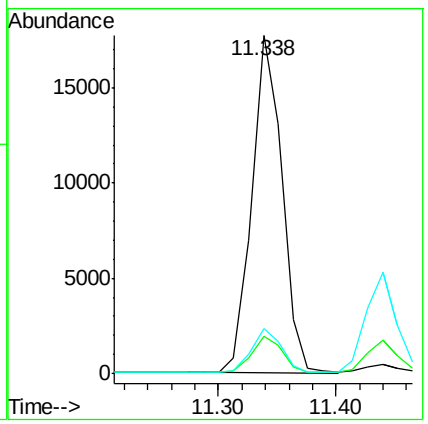


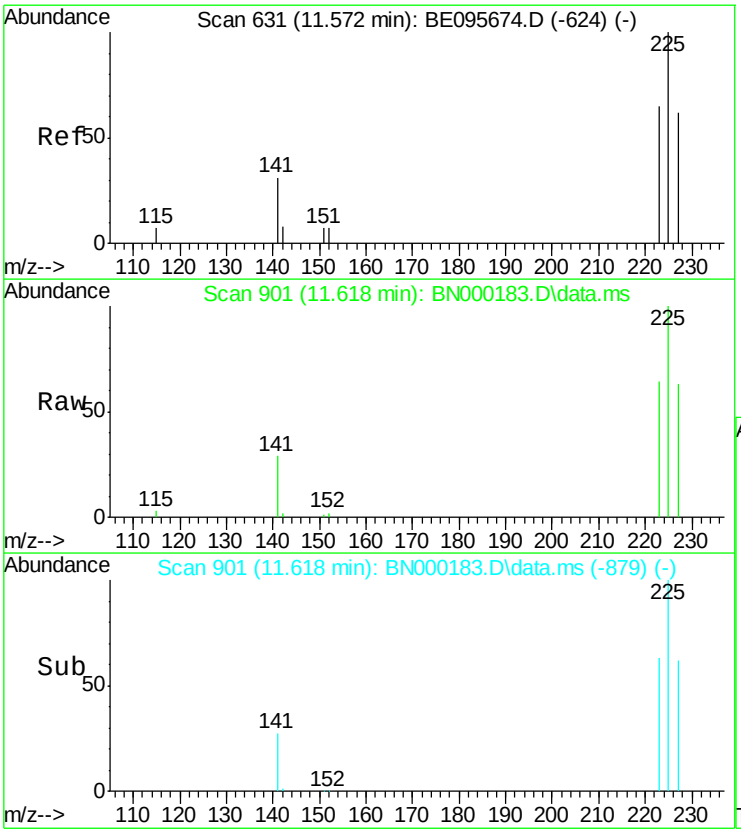


#9
Naphthalene
Concen: 0.10 ng
RT: 11.338 min Scan# 864
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:128 Resp: 31771

Ion	Ratio	Lower	Upper
128	100		
129	11.1	2.6	3.8#
127	13.2	2.8	4.2#

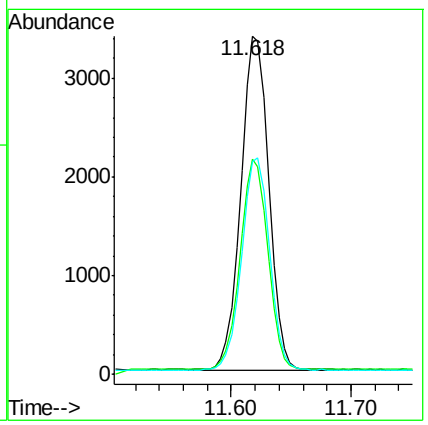


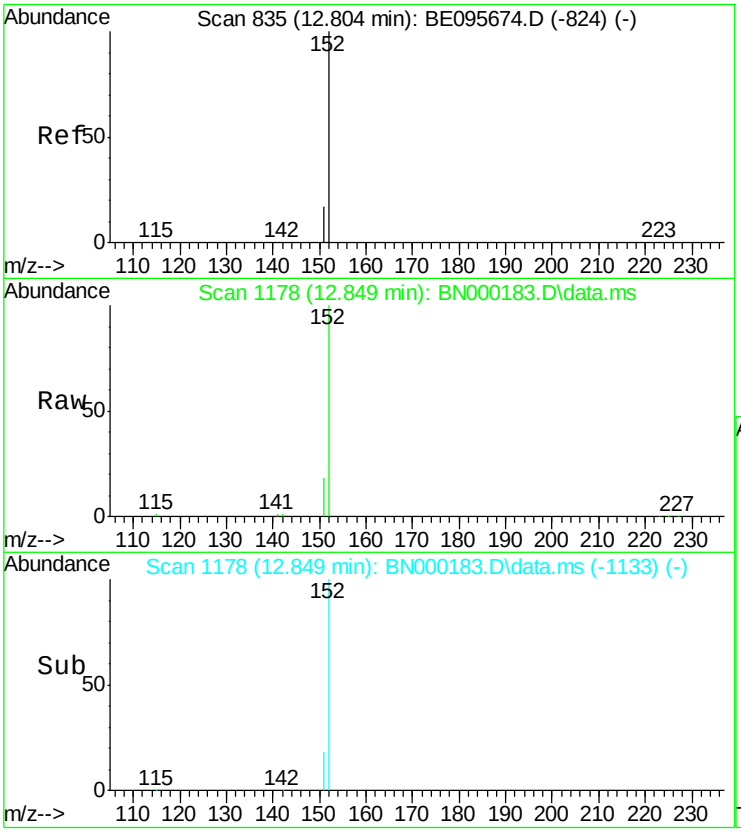


#10
Hexachlorobutadiene
Concen: 0.31 ng
RT: 11.618 min Scan# 901
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:225 Resp: 5452

Ion	Ratio	Lower	Upper
225	100		
223	62.4	53.0	79.6
227	63.4	51.4	77.2

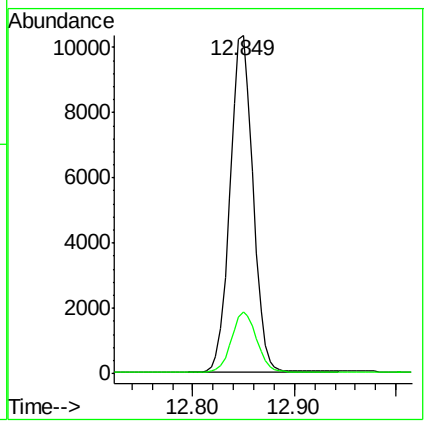


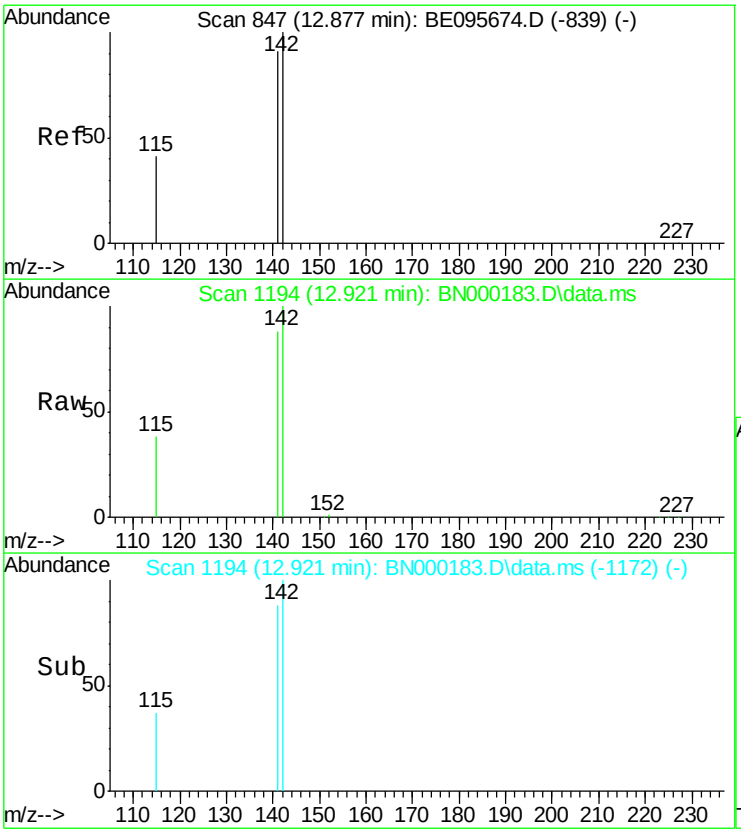


#11
2-Methylnaphthalene-d10
Concen: 0.37 ng
RT: 12.849 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:152 Resp: 16278

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.4	23.0

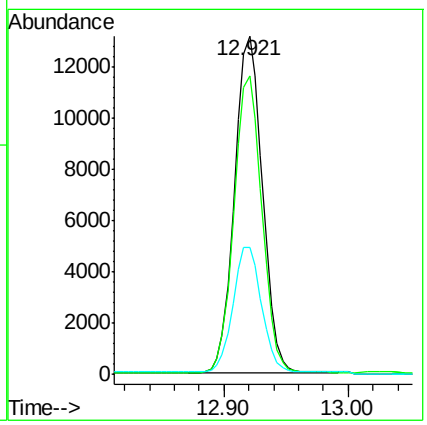


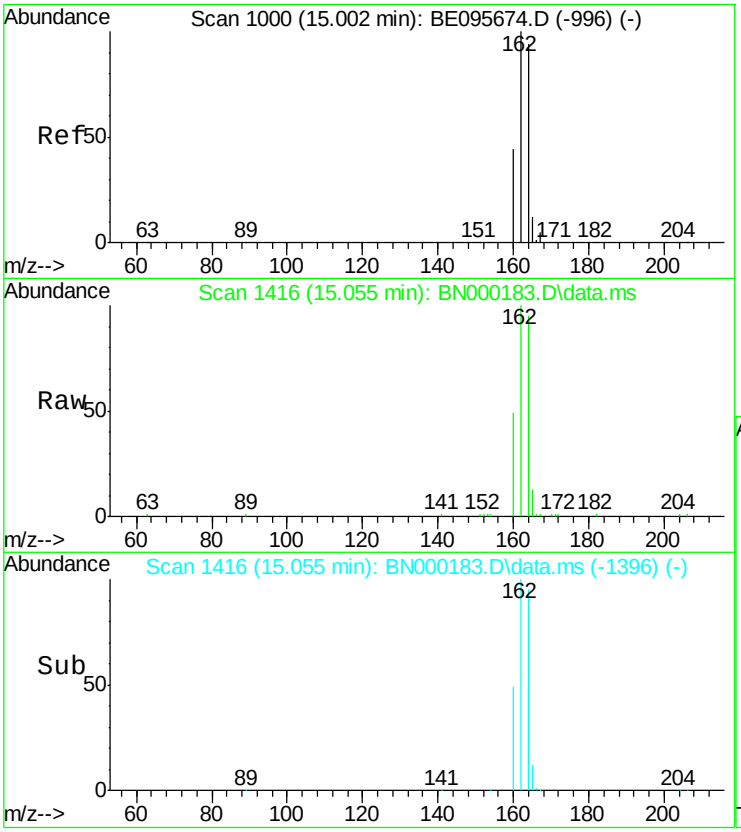


#12
2-Methylnaphthalene
Concen: 0.39 ng
RT: 12.921 min Scan# 1194
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:142 Resp: 20619

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.4	105.6
115	37.7	31.7	47.5

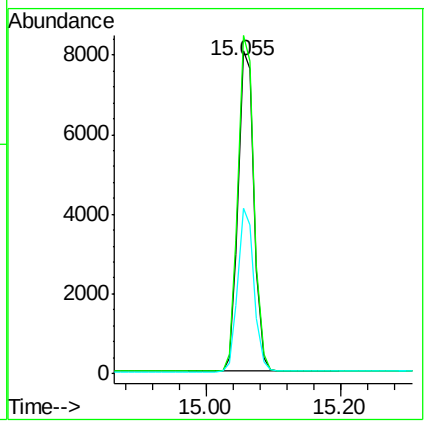


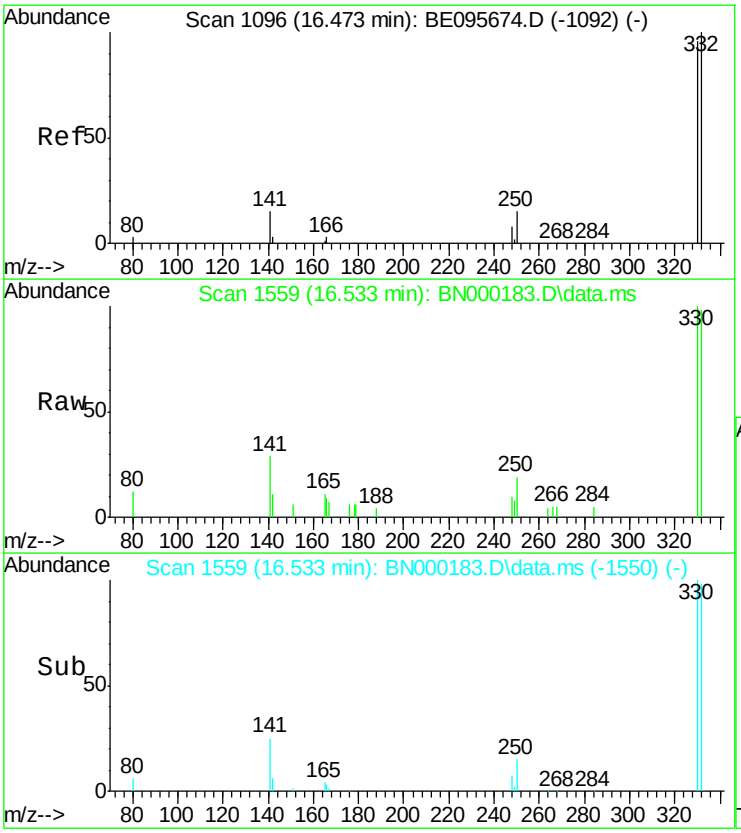


#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 15.055 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:164 Resp: 13298

Ion	Ratio	Lower	Upper
164	100		
162	104.8	83.1	124.7
160	51.3	37.1	55.7

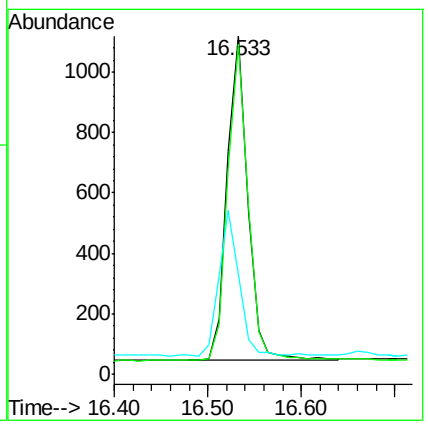


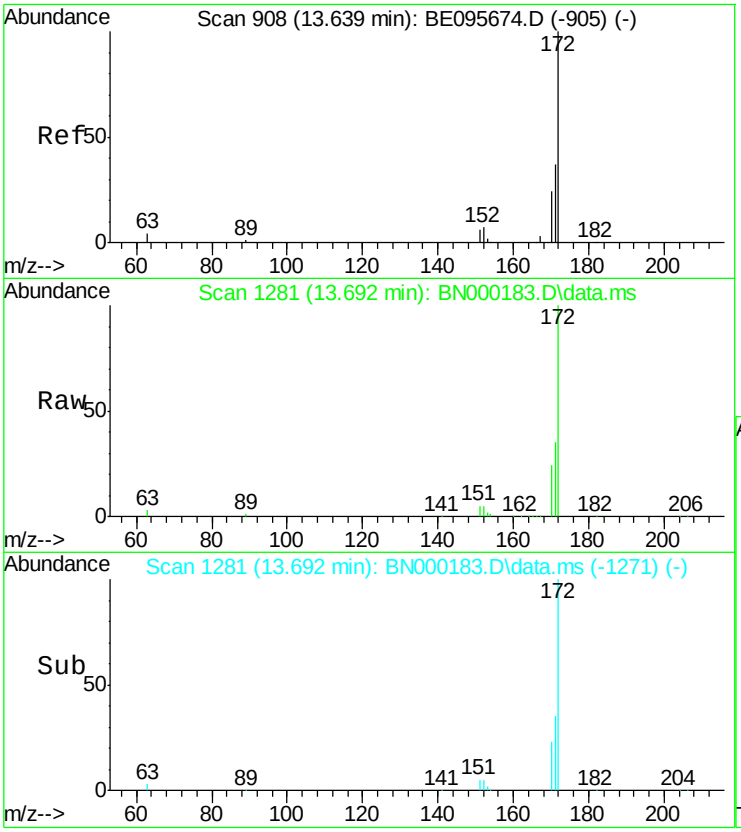


#14
2,4,6-Tribromophenol
Concen: 0.35 ng
RT: 16.533 min Scan# 1559
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:330 Resp: 1654

Ion	Ratio	Lower	Upper
330	100		
332	97.0	152.7	229.1#
141	44.3	33.7	50.5

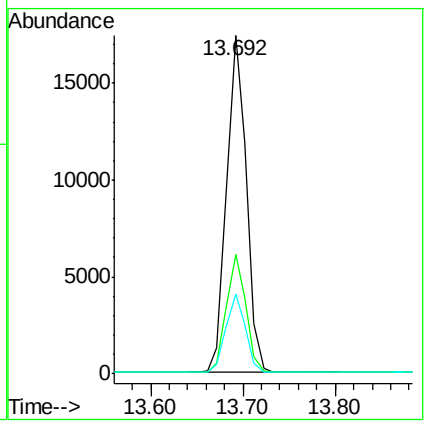


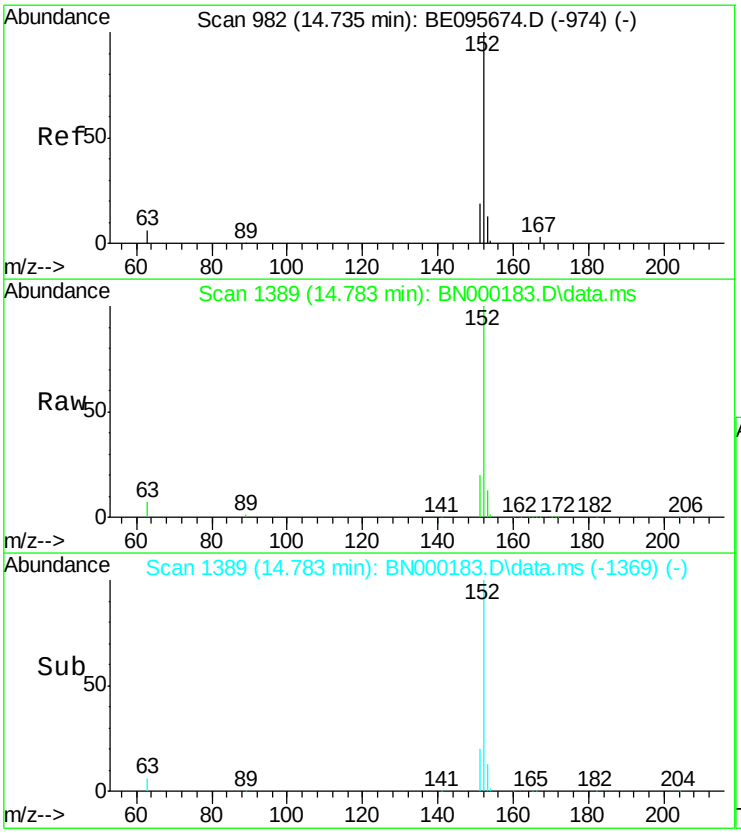


#15
2-Fluorobiphenyl
Concen: 0.43 ng
RT: 13.692 min Scan# 1281
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:172 Resp: 25782

Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.9	44.9
170	23.6	21.8	32.8

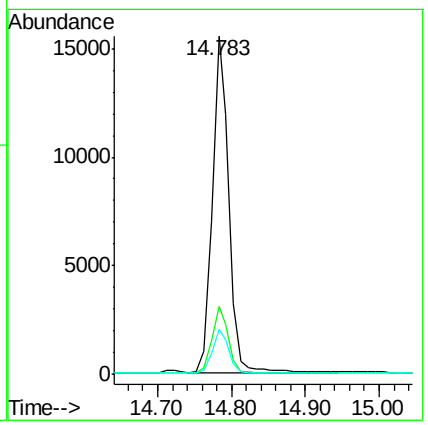


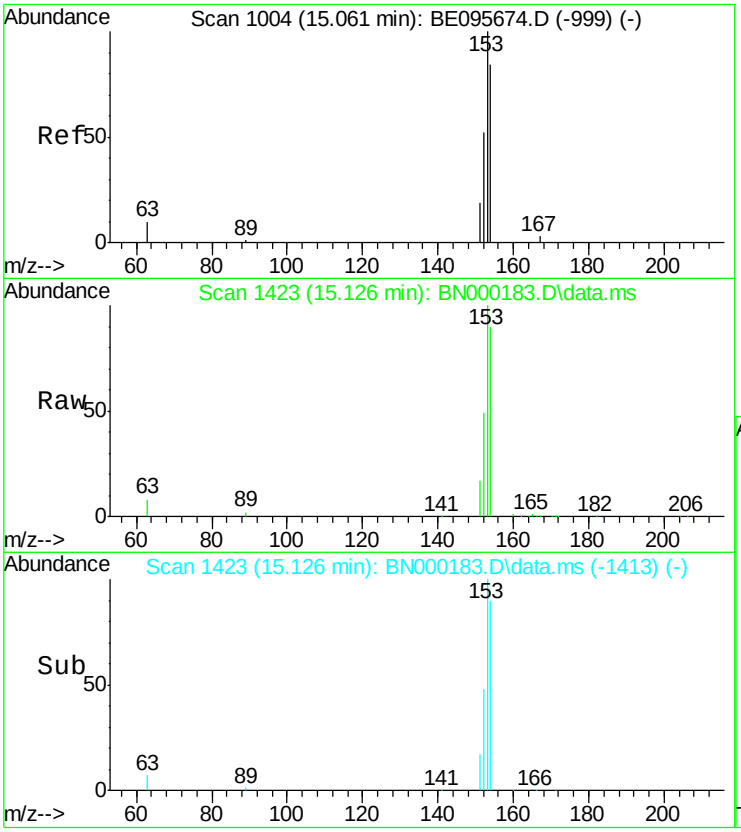


#16
Acenaphthylene
Concen: 0.33 ng
RT: 14.783 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:152 Resp: 24484

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	13.0	10.5	15.7

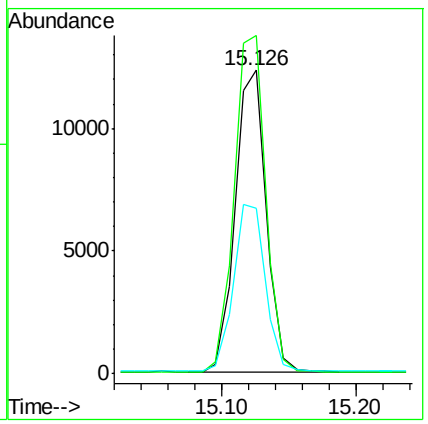


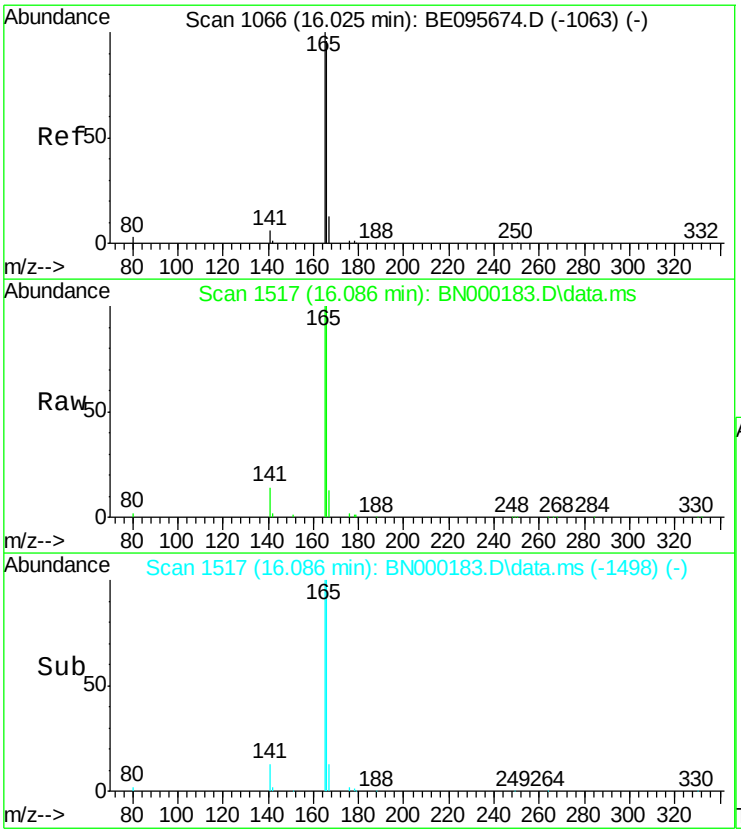


#17
Acenaphthene
Concen: 0.42 ng
RT: 15.126 min Scan# 1423
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:154 Resp: 19825

Ion	Ratio	Lower	Upper
154	100		
153	113.3	89.2	133.8
152	56.9	42.0	63.0

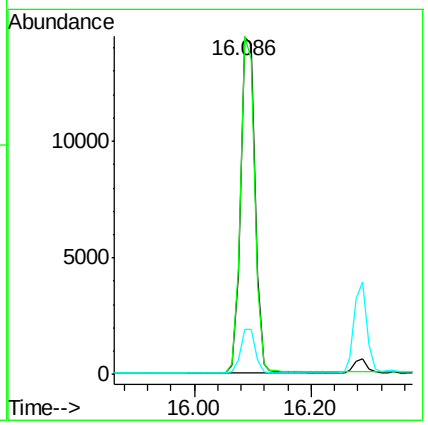


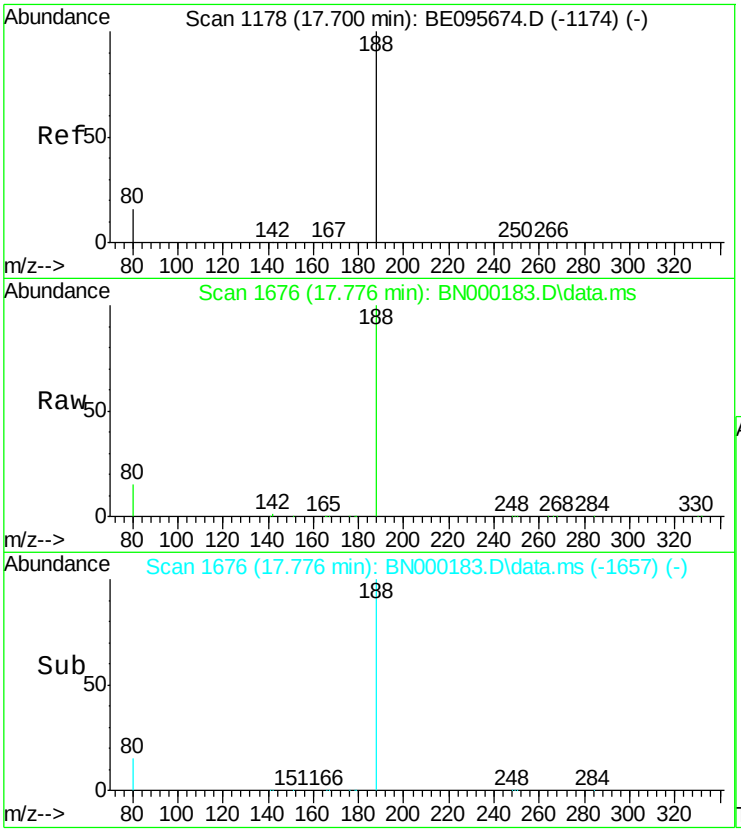


#18
Fluorene
Concen: 0.42 ng
RT: 16.086 min Scan# 1517
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:166 Resp: 24369

Ion	Ratio	Lower	Upper
166	100		
165	98.0	77.8	116.6
167	13.4	42.4	63.6#

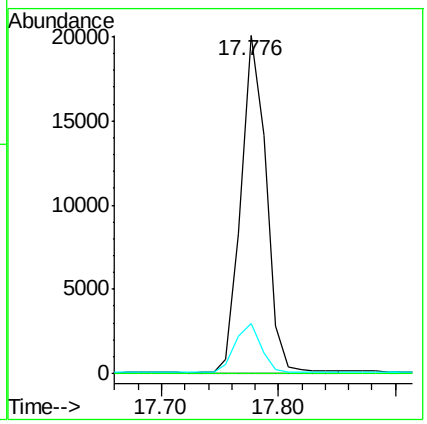


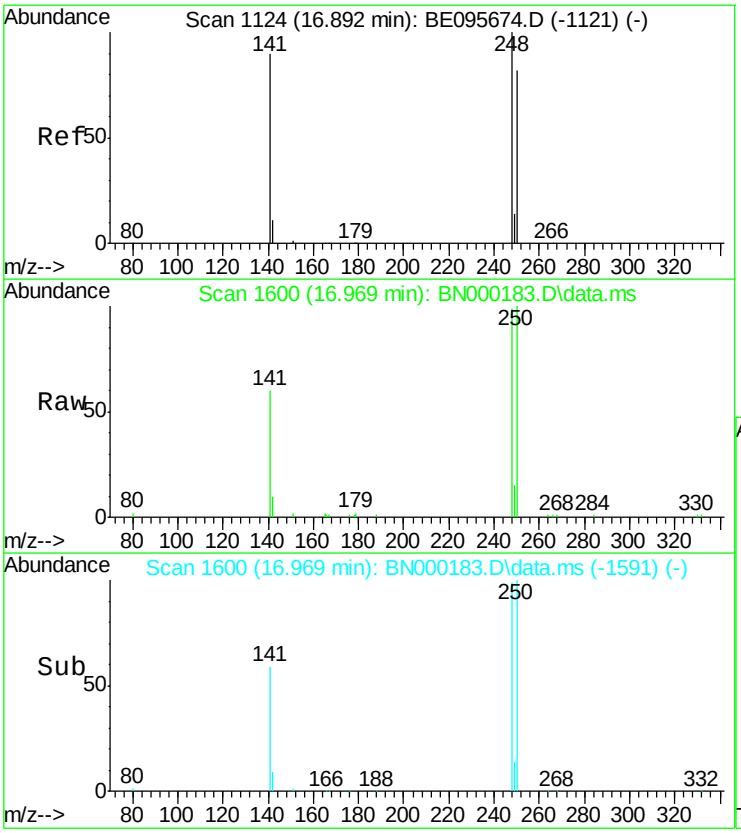


#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.776 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:188 Resp: 29928

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	14.9	3.6	5.4#

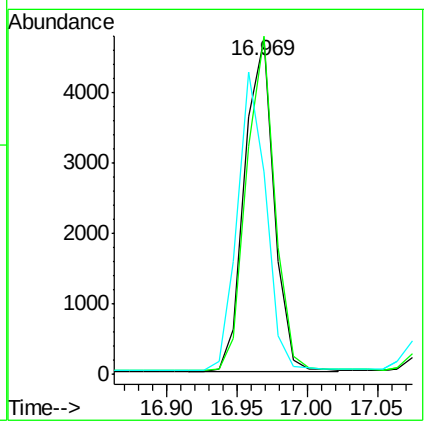


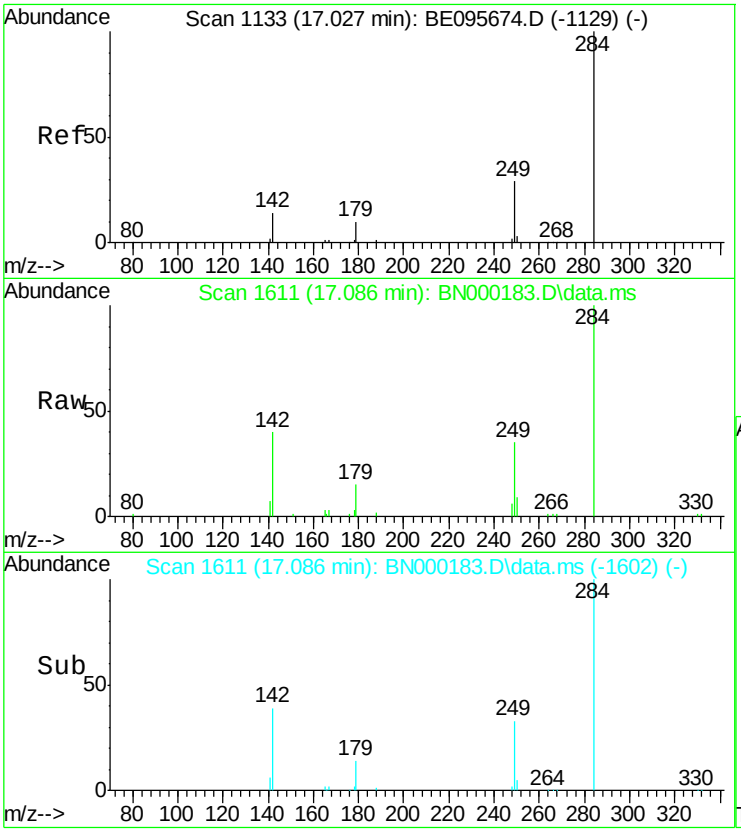


#20
4-Bromophenyl-phenylether
Concen: 0.37 ng
RT: 16.969 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:248 Resp: 6863

Ion	Ratio	Lower	Upper
248	100		
250	100.9	62.7	94.1#
141	60.4	48.2	72.2

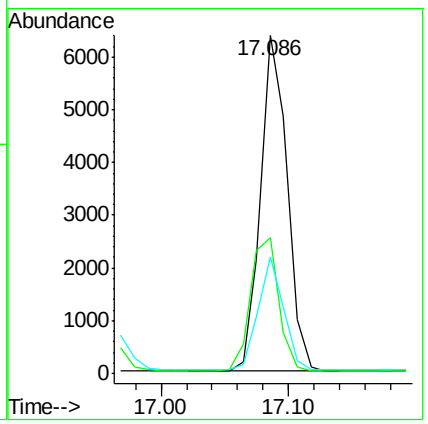


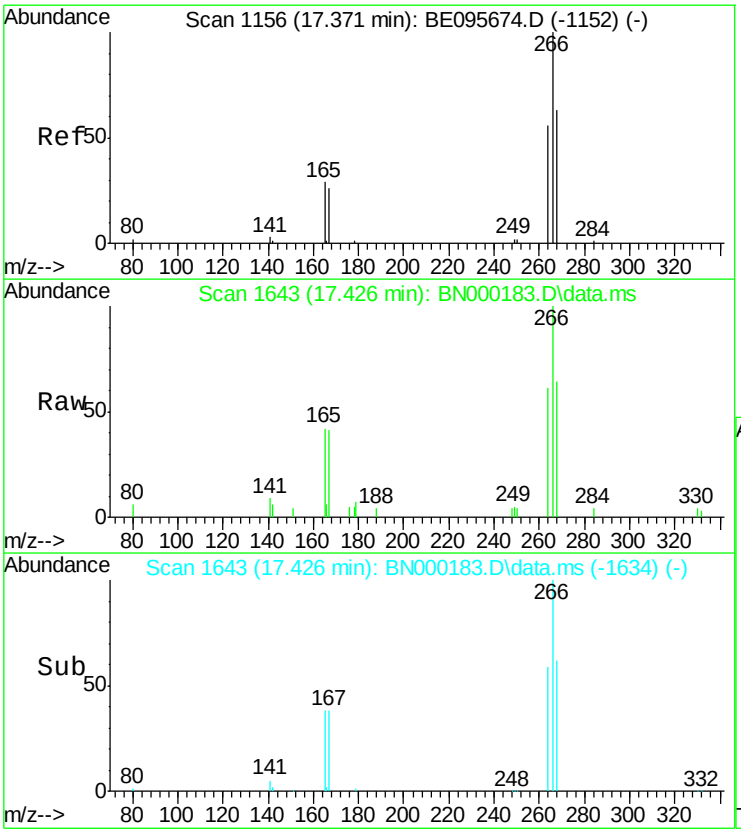


#21
Hexachlorobenzene
Concen: 0.48 ng
RT: 17.086 min Scan# 1611
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:284 Resp: 9254

Ion	Ratio	Lower	Upper
284	100		
142	42.2	22.1	33.1#
249	32.1	34.8	52.2#

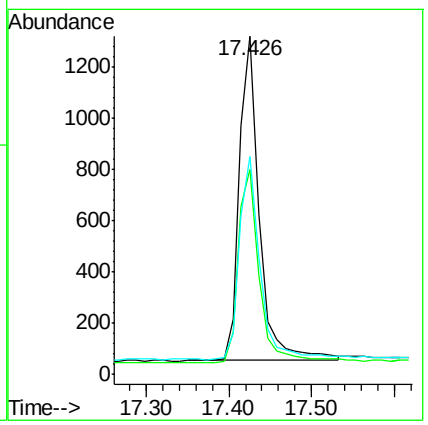


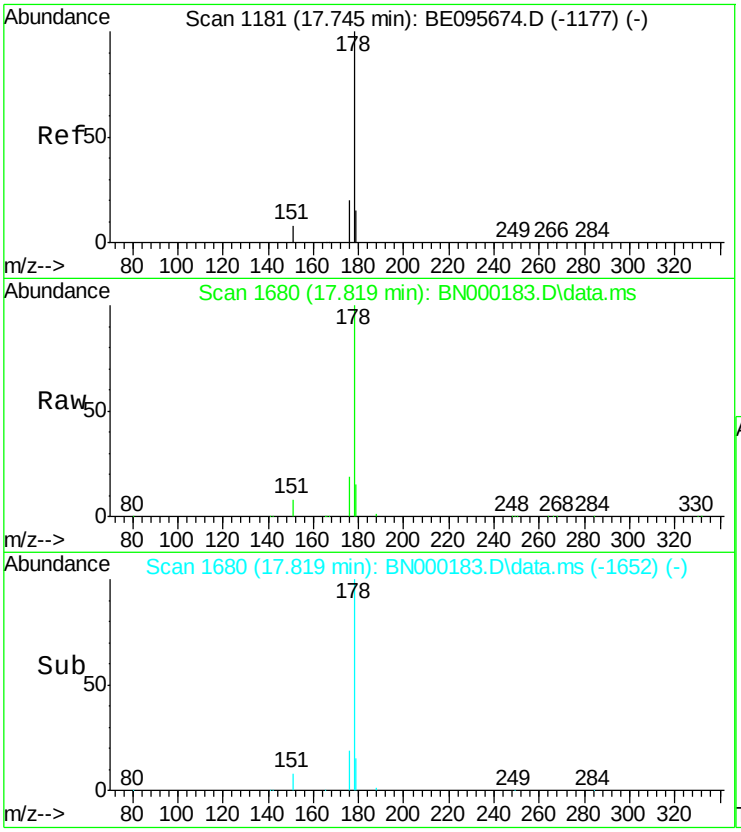


#22
Pentachlorophenol
Concen: 0.48 ng
RT: 17.426 min Scan# 1643
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:266 Resp: 2155

Ion	Ratio	Lower	Upper
266	100		
264	60.6	72.5	108.7#
268	64.3	73.8	110.6#

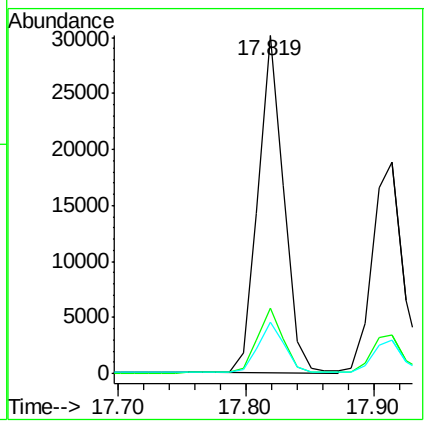


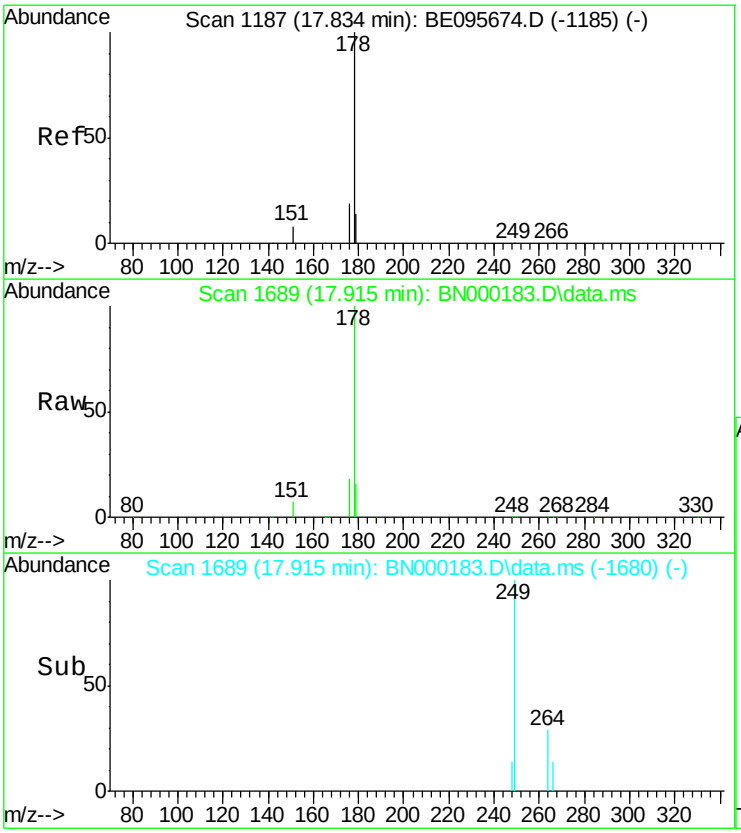


#23
Phenanthrene
Concen: 0.45 ng
RT: 17.819 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:178 Resp: 42466

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	15.6	11.8	17.6

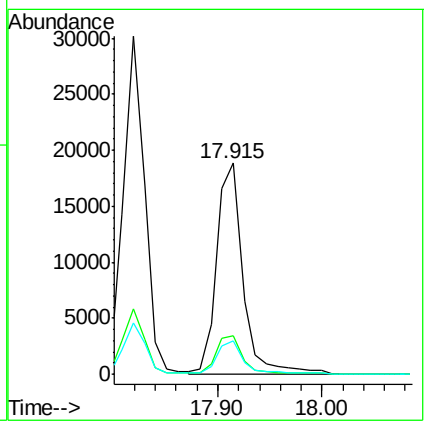


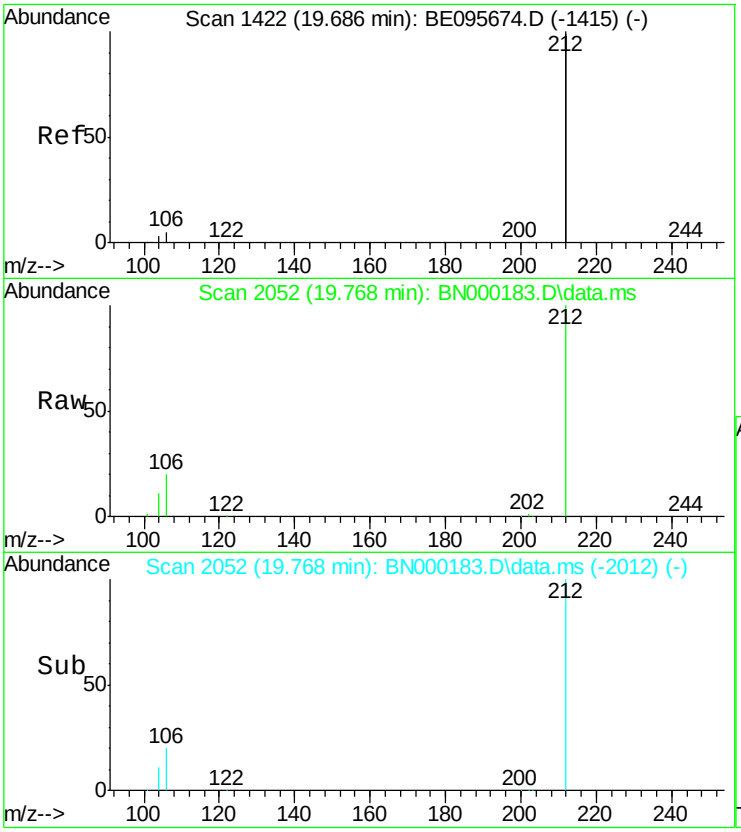


#24
Anthracene
Concen: 0.37 ng
RT: 17.915 min Scan# 1689
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:178 Resp: 31942

Ion	Ratio	Lower	Upper
178	100		
176	19.9	12.8	19.2#
179	17.0	13.0	19.6

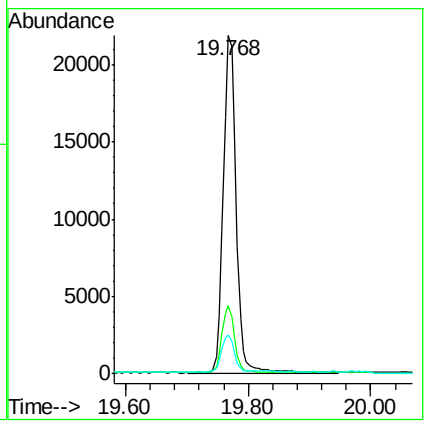


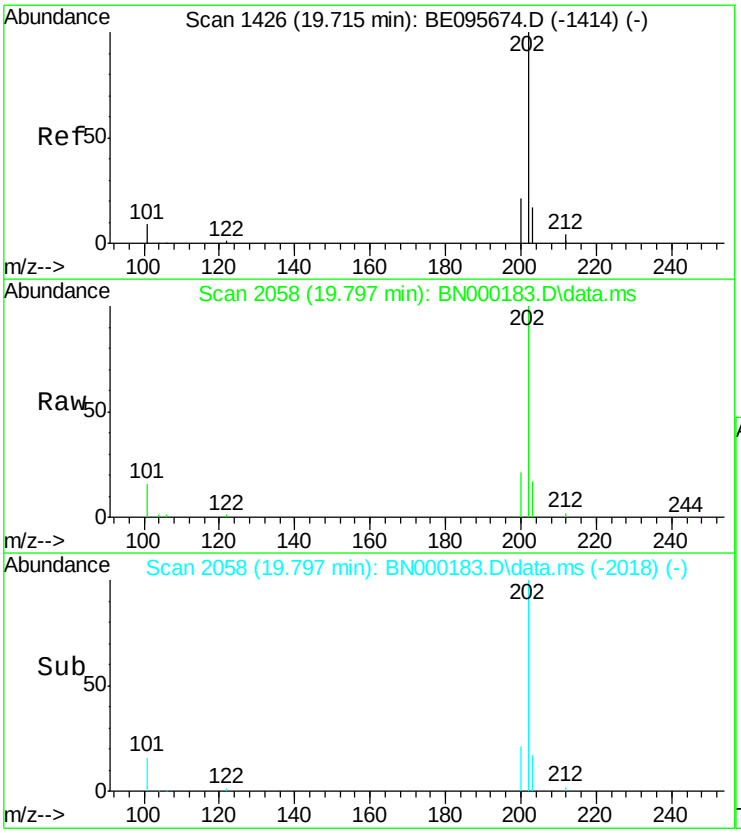


#25
Fluoranthene-d10
Concen: 0.08 ng
RT: 19.768 min Scan# 2052
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:212 Resp: 31604

Ion	Ratio	Lower	Upper
212	100		
106	19.3	2.8	4.2#
104	10.8	1.6	2.4#

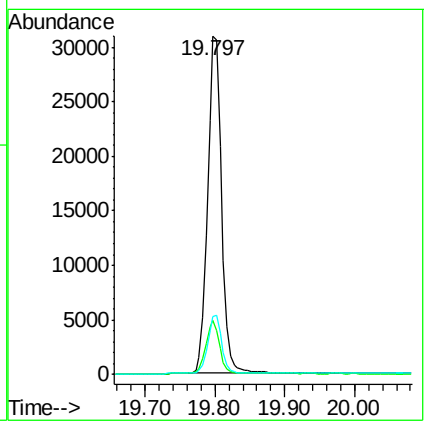


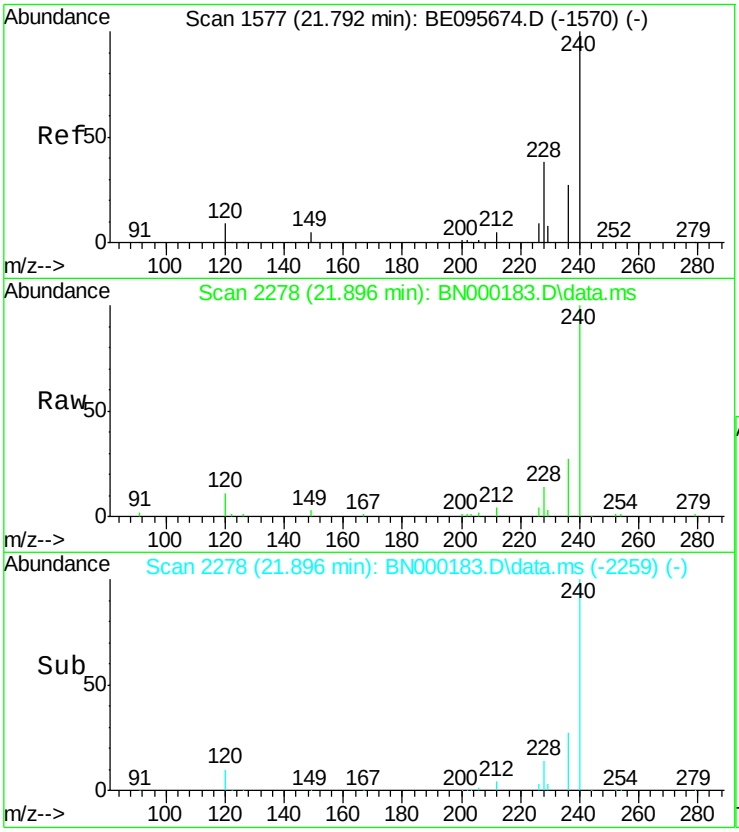


#26
Fluoranthene
Concen: 0.38 ng
RT: 19.797 min Scan# 2058
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:202 Resp: 43212

Ion	Ratio	Lower	Upper
202	100		
101	15.6	9.8	14.8#
203	16.9	13.7	20.5

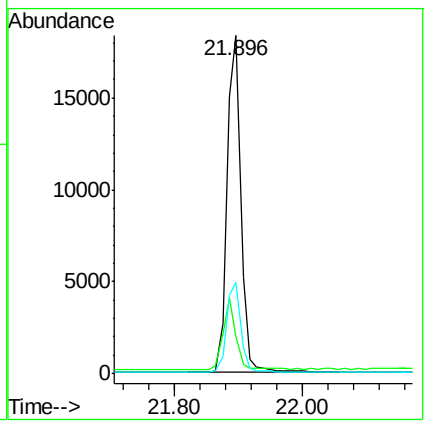


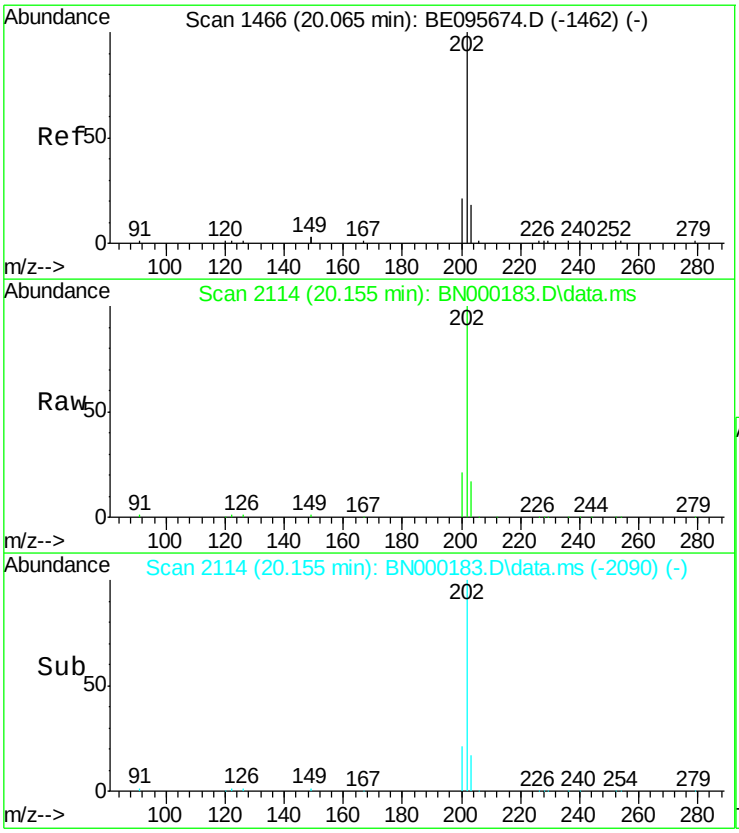


#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.896 min Scan# 2278
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:240 Resp: 27714

Ion	Ratio	Lower	Upper
240	100		
120	11.0	5.5	8.3#
236	27.0	20.7	31.1

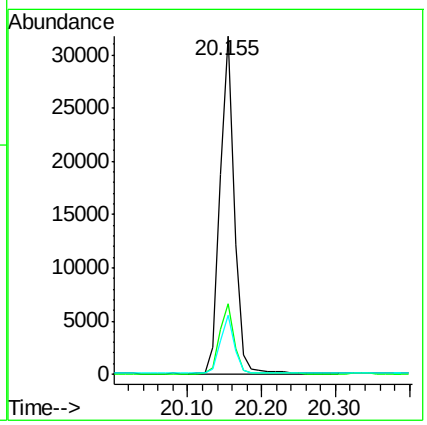


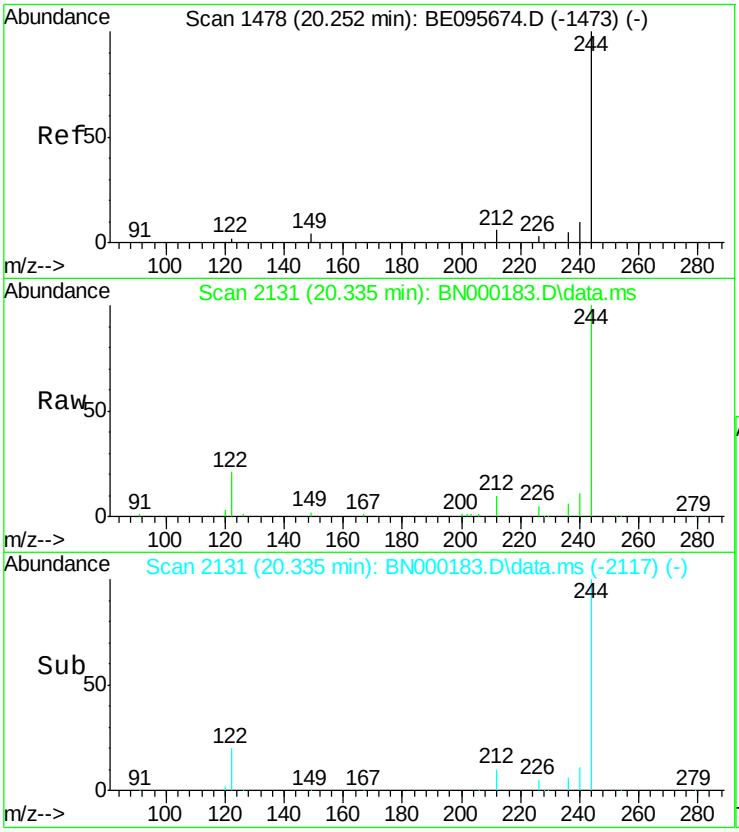


#28
Pyrene
Concen: 0.39 ng
RT: 20.155 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:202 Resp: 43768

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	25.0
203	17.3	13.8	20.8

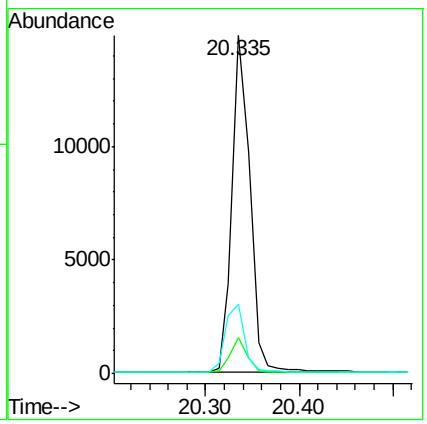


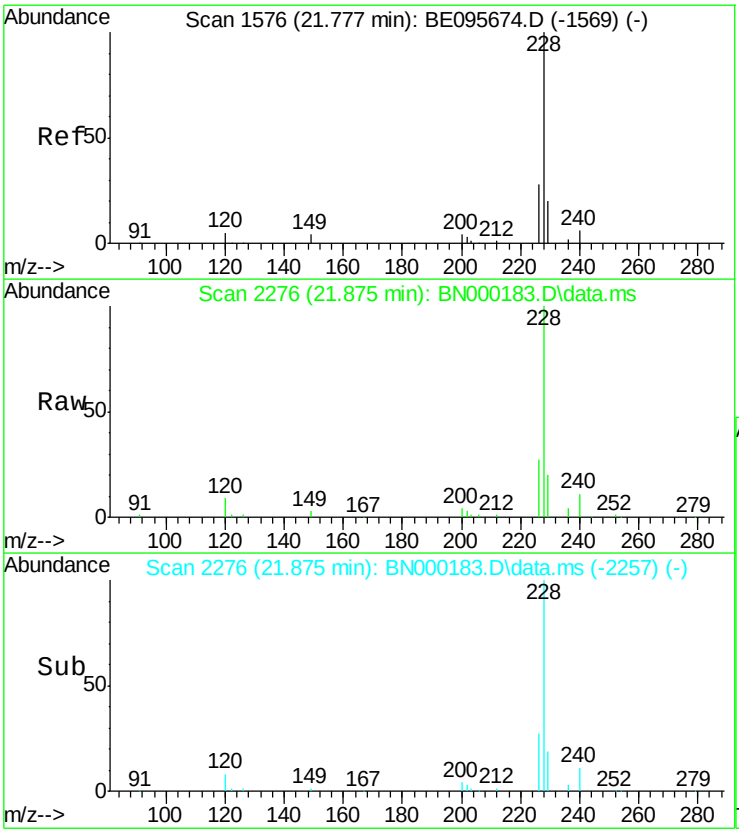


#29
Terphenyl-d14
Concen: 0.36 ng
RT: 20.335 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:244 Resp: 19778

Ion	Ratio	Lower	Upper
244	100		
212	10.5	25.4	38.0#
122	20.6	8.1	12.1#

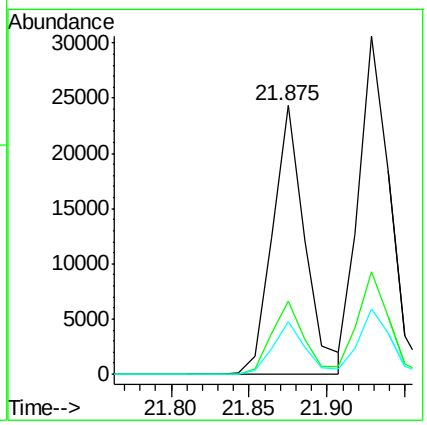


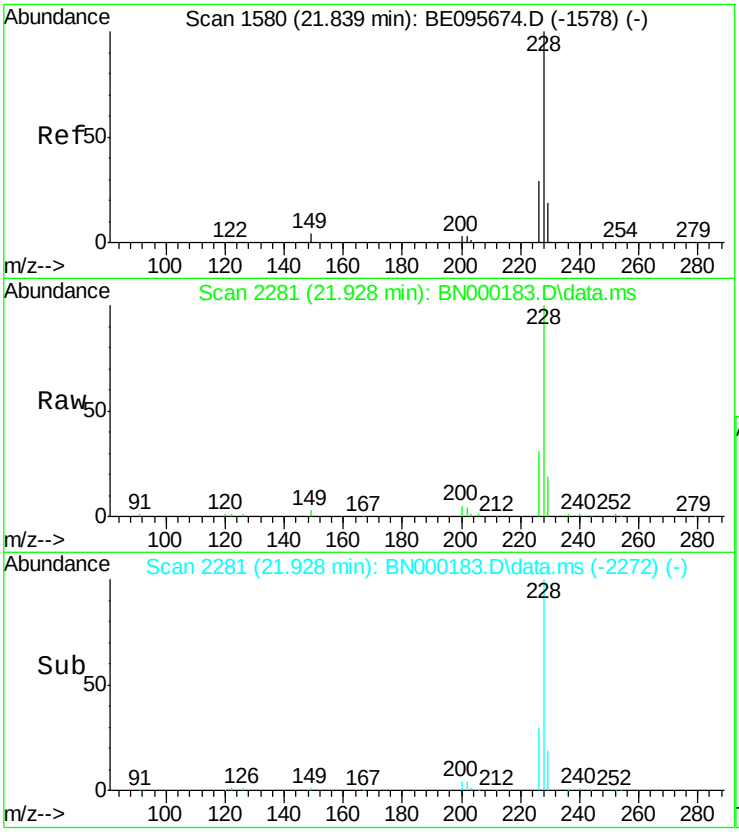


#30
Benzo(a)anthracene
Concen: 0.39 ng
RT: 21.875 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:228 Resp: 34866

Ion	Ratio	Lower	Upper
228	100		
226	27.4	24.0	36.0
229	19.6	16.0	24.0

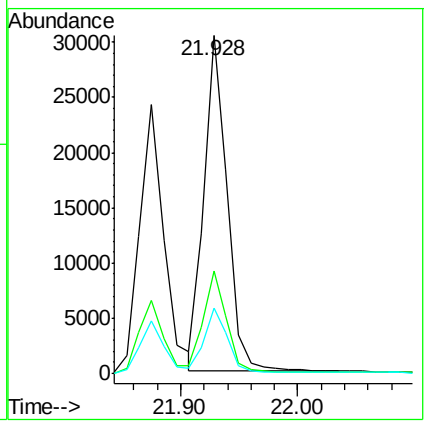


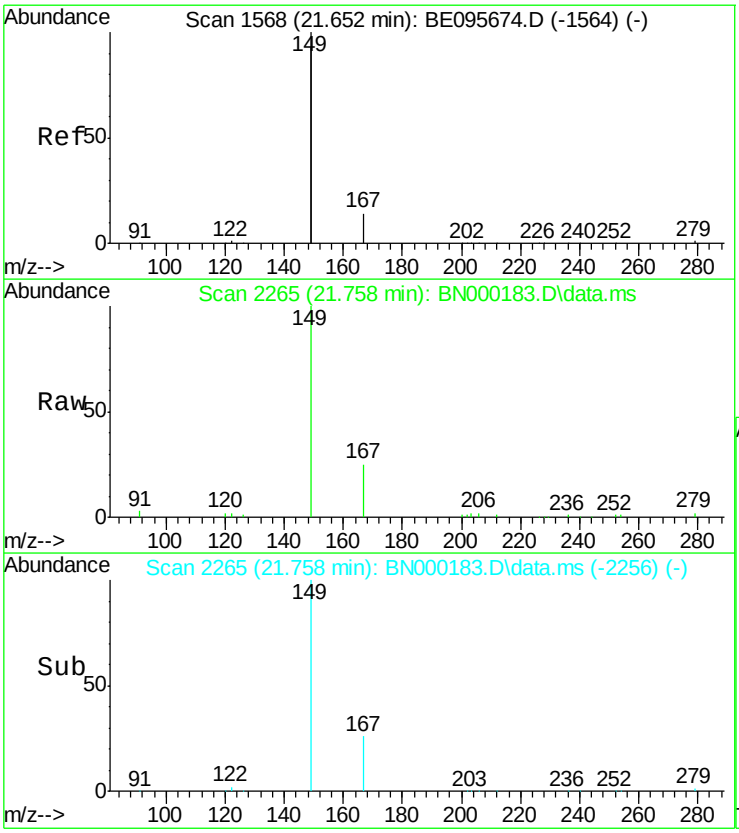


#31
Chrysene
Concen: 0.47 ng
RT: 21.928 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:228 Resp: 41906

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.0	36.0
229	19.4	16.0	24.0

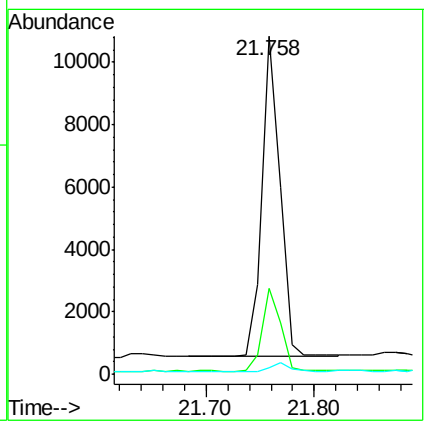


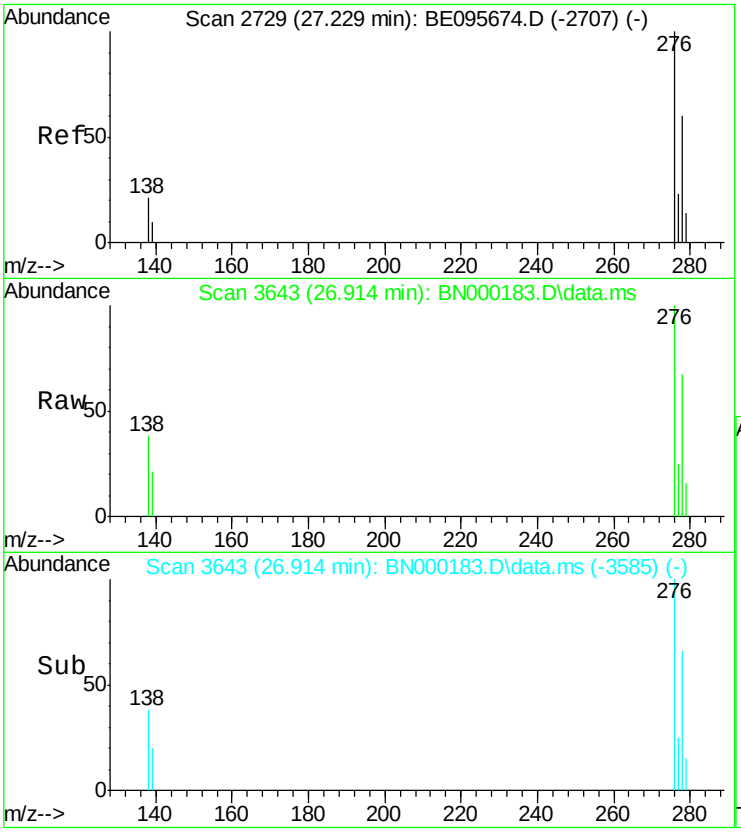


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.07 ng
RT: 21.758 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:149 Resp: 11965

Ion	Ratio	Lower	Upper
149	100		
167	26.0	5.4	8.0#
279	2.5	0.7	1.1#

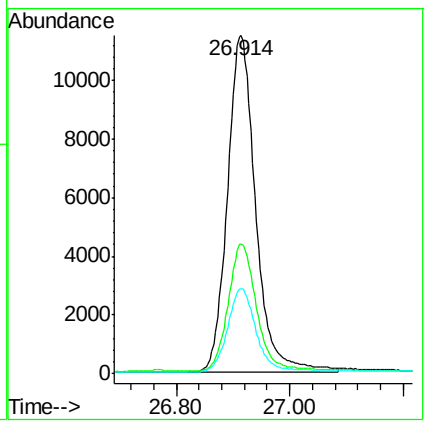


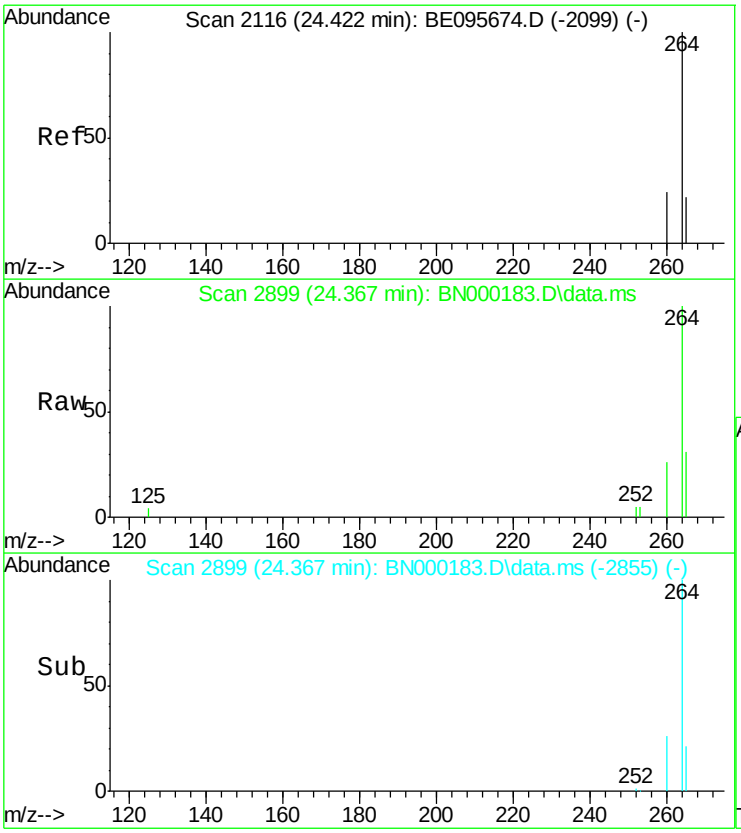


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.46 ng
RT: 26.914 min Scan# 3643
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:276 Resp: 39842

Ion	Ratio	Lower	Upper
276	100		
138	38.7	22.5	33.7#
277	24.6	19.9	29.9

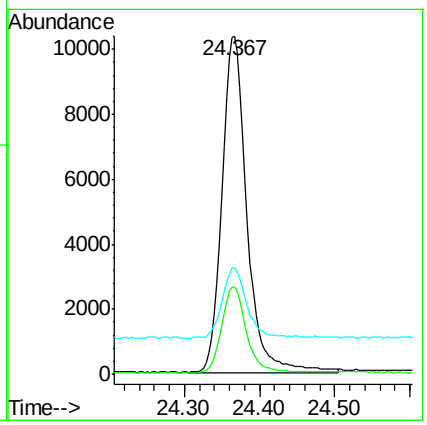


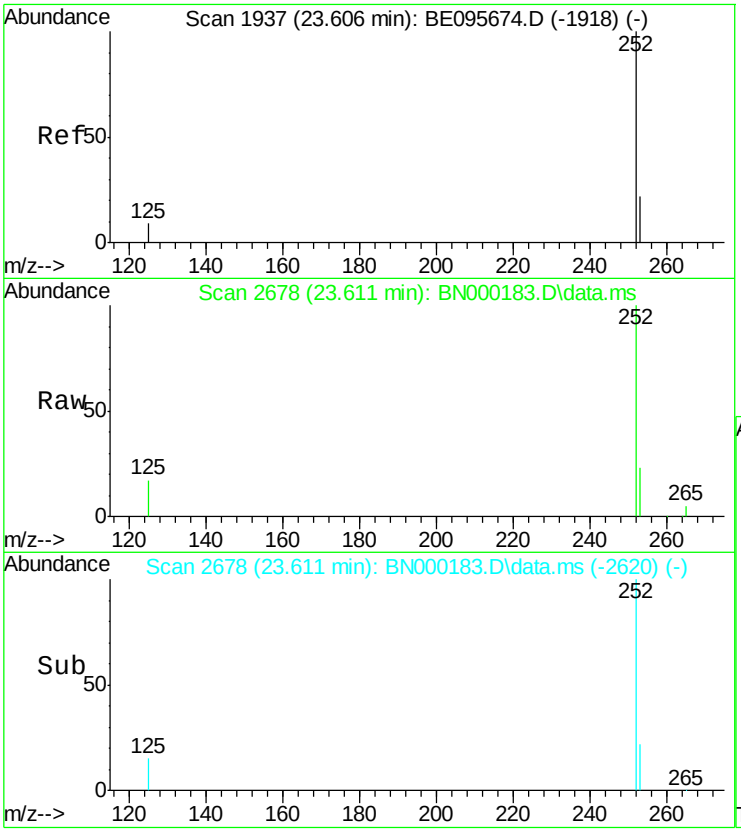


#34
Perylene-d12
Concen: 0.40 ng
RT: 24.367 min Scan# 2899
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:264 Resp: 23589

Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.5	30.7
265	31.5	22.8	34.2

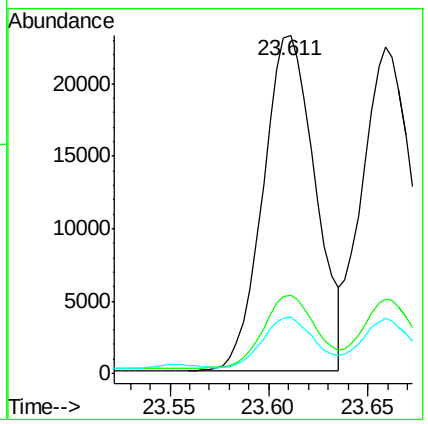


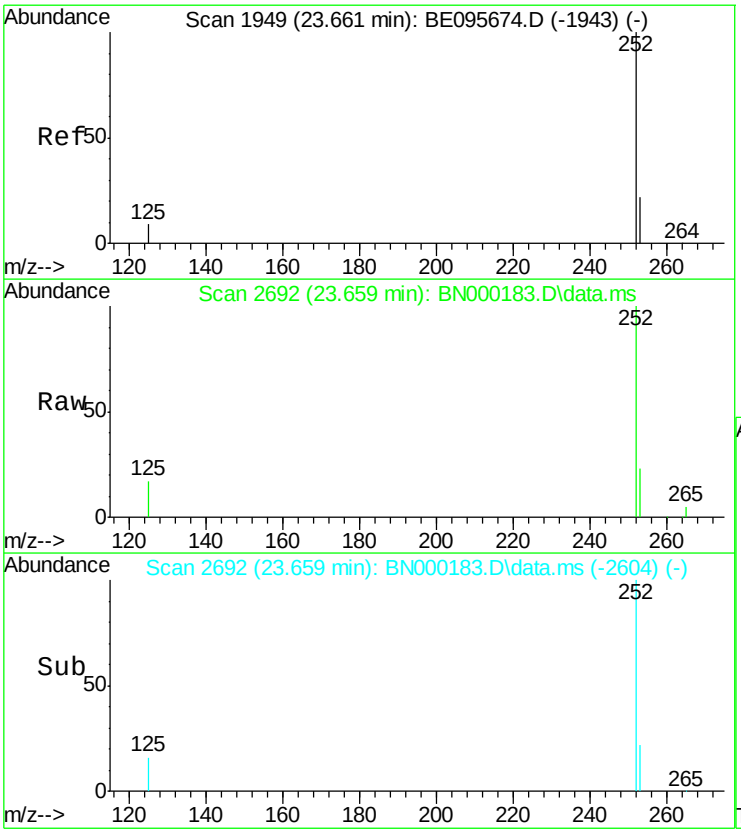


#35
Benzo(b)fluoranthene
Concen: 0.50 ng
RT: 23.611 min Scan# 2678
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:252 Resp: 42364

Ion	Ratio	Lower	Upper
252	100		
253	23.1	20.0	30.0
125	16.6	16.0	24.0

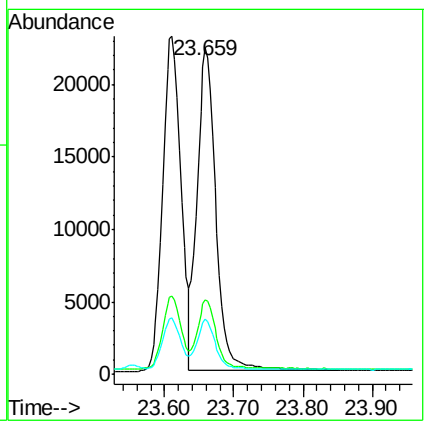


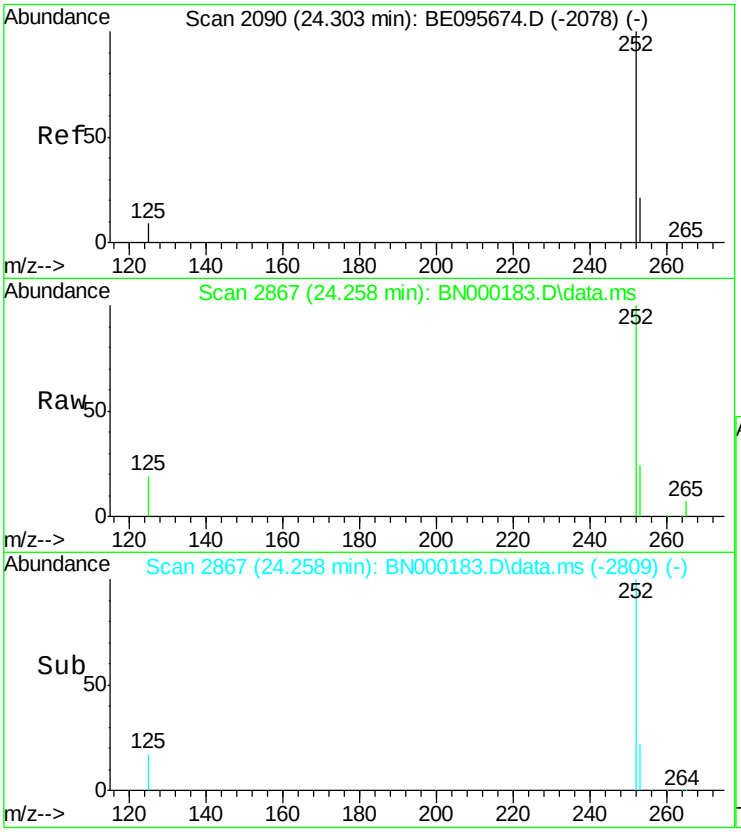


#36
Benzo(k)fluoranthene
Concen: 0.51 ng
RT: 23.659 min Scan# 2692
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:252 Resp: 42396

Ion	Ratio	Lower	Upper
252	100		
253	22.9	16.0	24.0
125	16.8	8.0	12.0#

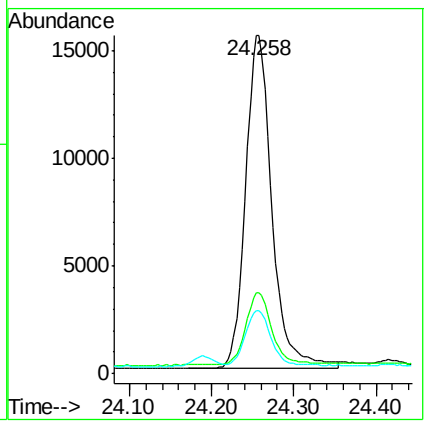


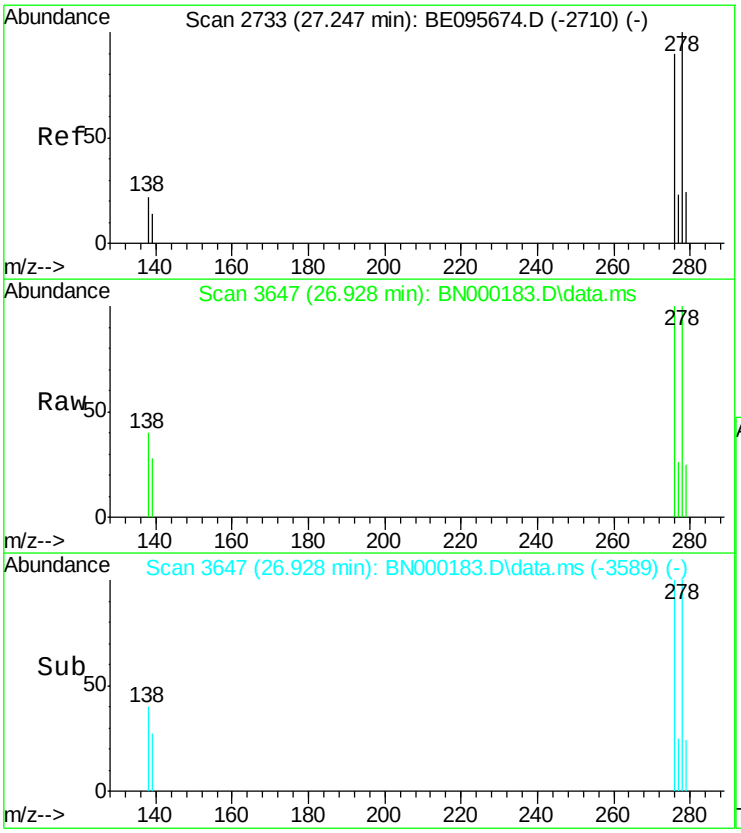


#37
Benzo(a)pyrene
Concen: 0.46 ng
RT: 24.258 min Scan# 2867
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:252 Resp: 34494

Ion	Ratio	Lower	Upper
252	100		
253	24.0	16.0	24.0
125	18.6	12.0	18.0#

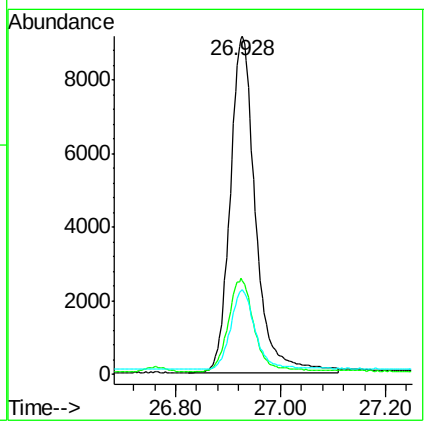


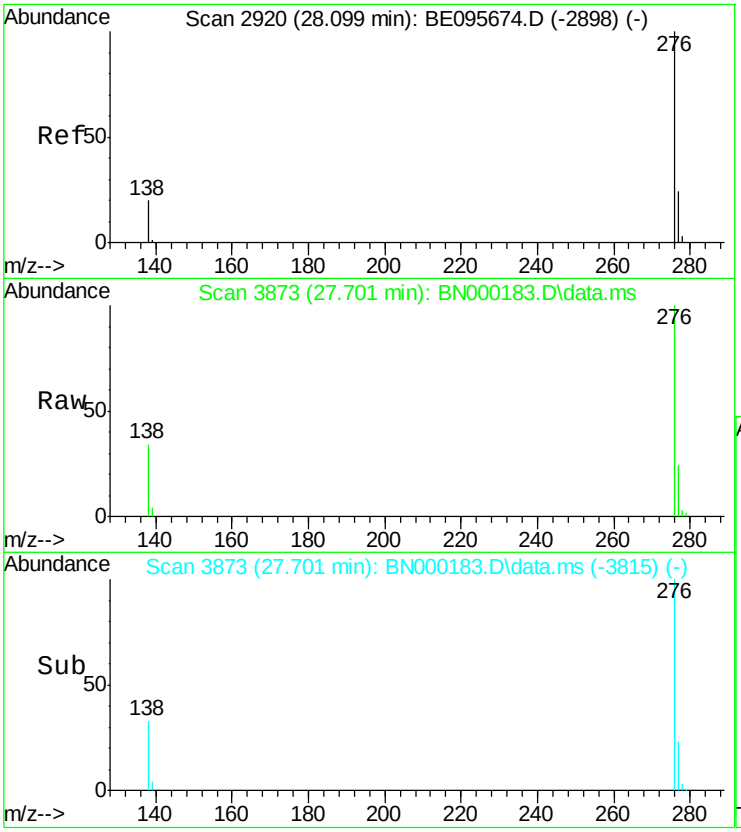


#38
Dibenzo(a,h)anthracene
Concen: 0.46 ng
RT: 26.928 min Scan# 3647
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:278 Resp: 30718

Ion	Ratio	Lower	Upper
278	100		
139	27.8	16.0	24.0#
279	25.0	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.51 ng
RT: 27.701 min Scan# 3873
Delta R.T. 0.000 min
Lab File: BN000183.D
Acq: 27 Feb 2018 10:25

Tgt Ion:276 Resp: 37068

Ion	Ratio	Lower	Upper
276	100		
277	23.5	16.0	24.0
138	33.7	20.0	30.0#