Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091319\
Data File : BNCCC644.D
Acq On : 14 Sep 2019 01:23
Operator : HP/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId :

Quant Time: Sep 16 01:39:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 12 14:27:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	8836	0.40	ng		0.00
7) Naphthalene-d8	10.48	136	34361	0.40	ng		-0.01
13) Acenaphthene-d10	14.34	164	19081	0.40	ng		0.00
19) Phenanthrene-d10	17.08	188	38427	0.40	ng		0.00
27) Chrysene-d12	21.27	240	37314	0.40	ng		-0.01
34) Perylene-d12	23.48	264	38641	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.33	112	9353	0.33	ng		0.00
5) Phenol-d6	6.89	99	12035	0.35	ng		0.00
8) Nitrobenzene-d5	8.85	82	10349	0.38	ng		-0.01
11) 2-Methylnaphthalene-d10	12.08	152	24180	0.42	ng		0.00
14) 2,4,6-Tribromophenol	15.83	330	2105	0.29	ng		0.00
15) 2-Fluorobiphenyl	12.95	172	33828	0.41	ng		-0.01
25) Fluoranthene-d10	19.11	212	48935	0.40	ng		-0.01
29) Terphenyl-d14	19.71	244	41797	0.42	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.33	88	3932	0.371	ng		98
3) n-Nitrosodimethylamine	3.03	42	2901	0.604	ng	#	1
6) bis(2-Chloroethyl)ether	7.15	93	9687	0.373	ng		97
9) Naphthalene	10.53	128	41770	0.424	ng		100
10) Hexachlorobutadiene	10.84	225	8123	0.409	ng	#	100
12) 2-Methylnaphthalene	12.15	142	27777	0.420	ng		100
16) Acenaphthylene	14.05	152	35452	0.357	ng		100
17) Acenaphthene	14.39	154	25262	0.390	ng		99
18) Fluorene	15.38	166	31588	0.387	ng		99
20) 4-Bromophenyl-phenylether	16.27	248	10144	0.427	ng	#	87
21) Hexachlorobenzene	16.39	284	10947	0.431	ng		99
22) Pentachlorophenol	16.73	266	2126	0.322	ng		97
23) Phenanthrene	17.11	178	52501	0.433	ng		99
24) Anthracene	17.21	178	42786	0.398	ng		100
26) Fluoranthene	19.14	202	58166	0.411	ng		99
28) Pyrene	19.50	202	57768	0.426	ng		100
30) Benzo(a)anthracene	21.25	228	51804	0.391	ng		100
31) Chrysene	21.30	228	58775	0.427	ng		100
32) Bis(2-ethylhexyl)phthalate	21.21	149	13884	0.310	ng		100
33) Indeno(1,2,3-cd)pyrene	25.70	276	69216	0.471	ng		99
35) Benzo(b)fluoranthene	22.82	252	55846	0.398	ng		98
36) Benzo(k)fluoranthene	22.82	252	55846	0.389	ng		99
37) Benzo(a)pyrene	23.39	252	48457	0.389	ng		98
38) Dibenzo(a,h)anthracene	25.71	278	55596	0.426	ng		100
39) Benzo(g,h,i)perylene	26.37	276	53367	0.414	ng		99

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

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Misc :
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Instrument :
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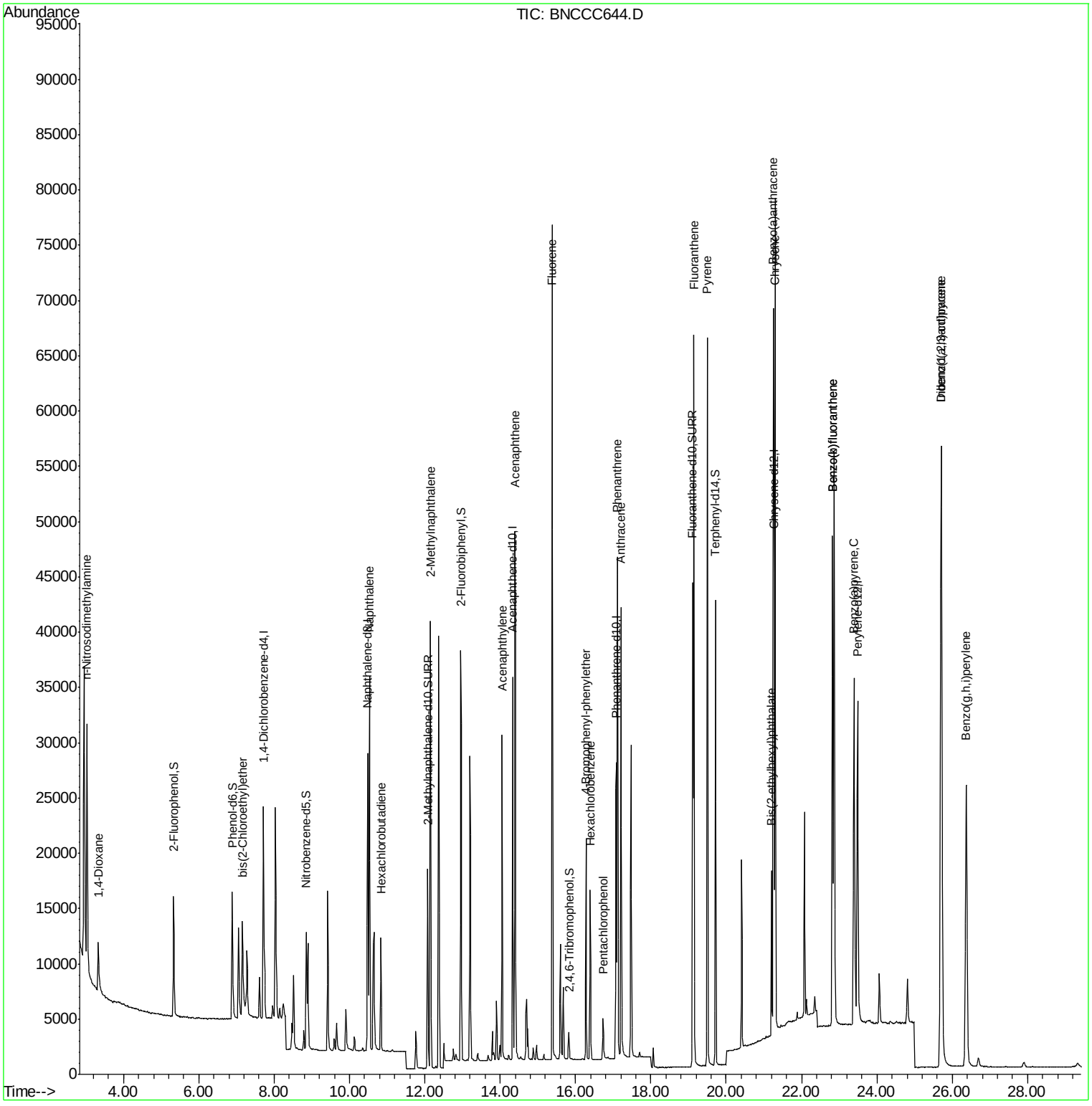
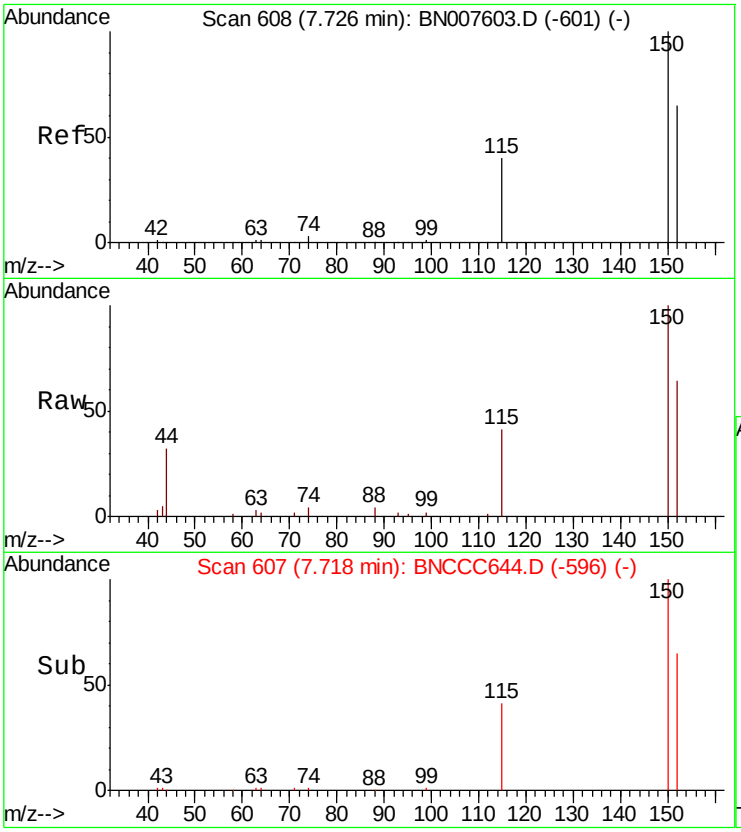
Quant Time: Sep 16 01:39:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 12 14:27:51 2019
Response via : Initial Calibration



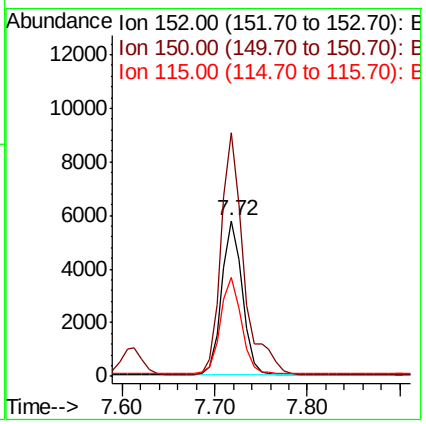


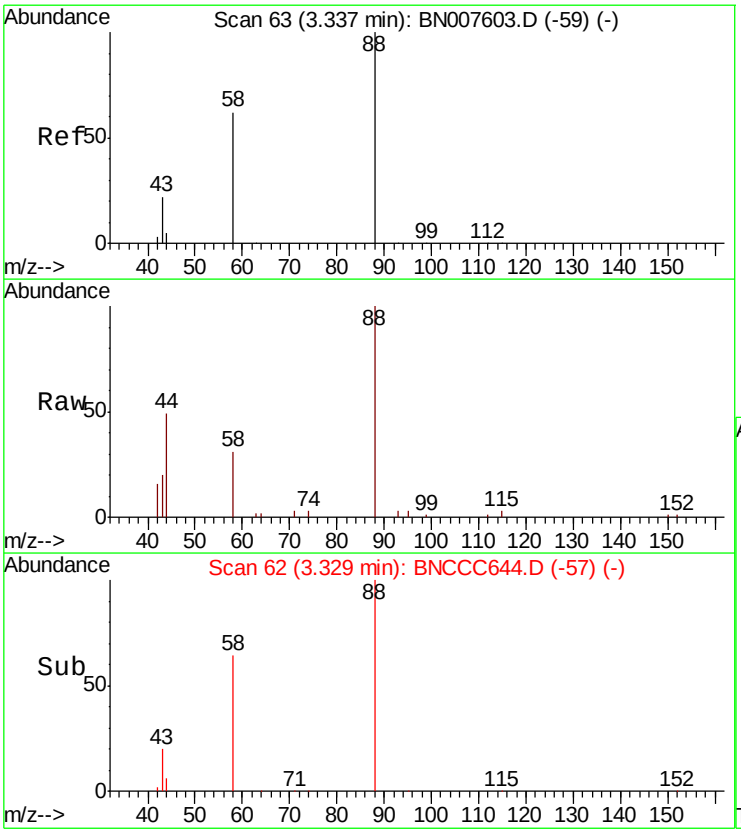
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 607
Delta R.T. -0.01 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 8836

Ion	Ratio	Lower	Upper
152	100		
150	156.3	122.4	183.6
115	63.9	50.4	75.6

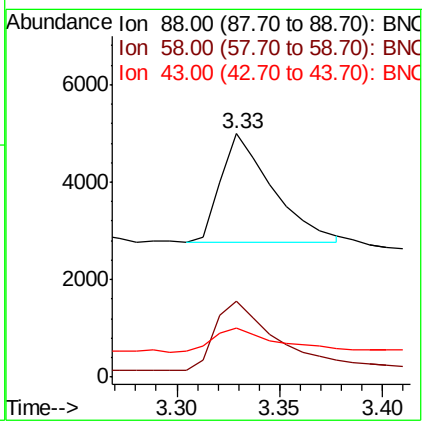


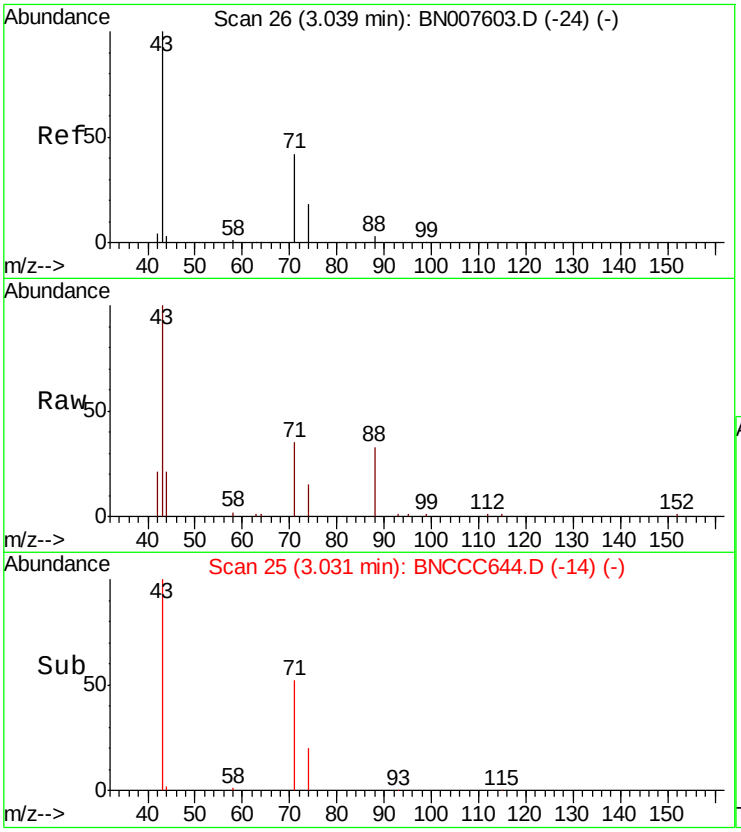


#2
1,4-Dioxane
Concen: 0.371 ng
RT: 3.33 min Scan# 62
Delta R.T. -0.01 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Tgt Ion: 88 Resp: 3932

Ion	Ratio	Lower	Upper
88	100		
58	73.4	57.0	85.4
43	26.0	20.0	30.0



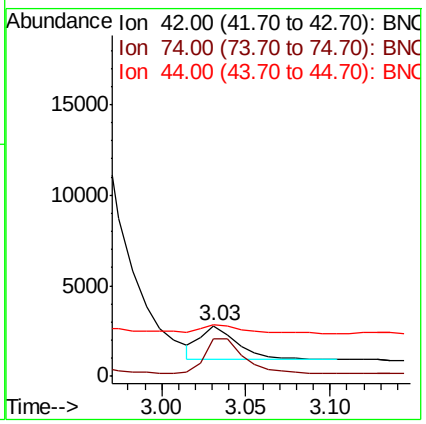


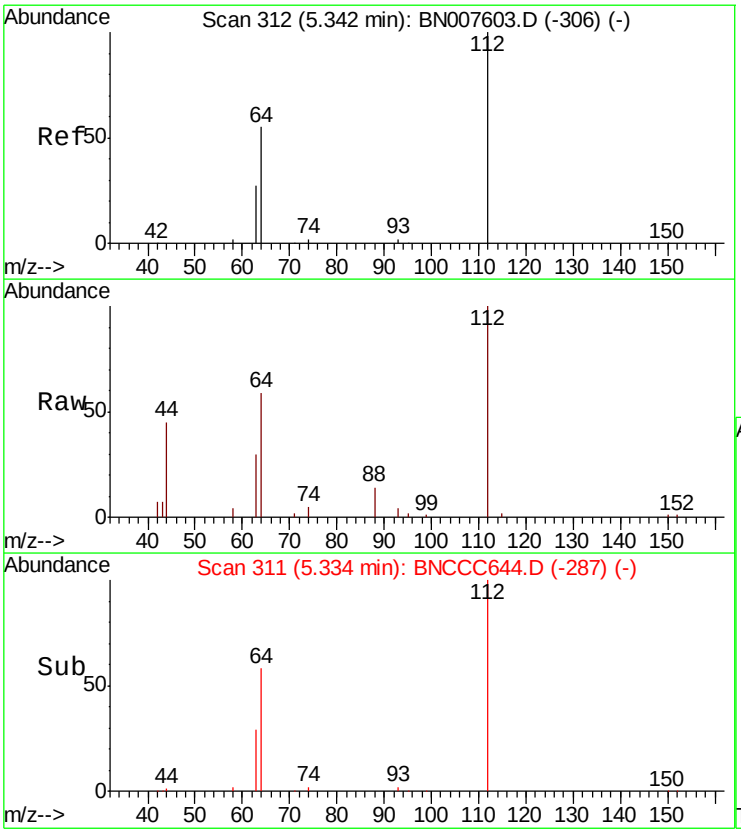
#3
n-Nitrosodimethylamine
Concen: 0.604 ng
RT: 3.03 min Scan# 25
Delta R.T. -0.01 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 42 Resp: 2901

Ion	Ratio	Lower	Upper
42	100		
74	105.3	9.8	14.8#
44	25.4	0.0	0.0#

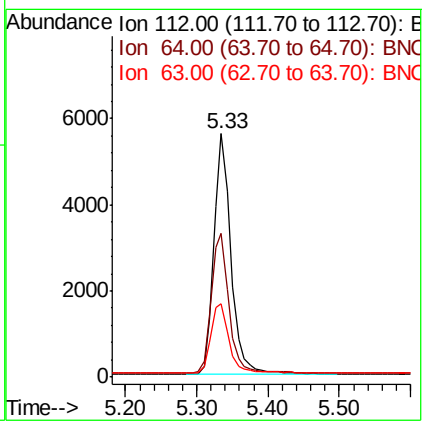


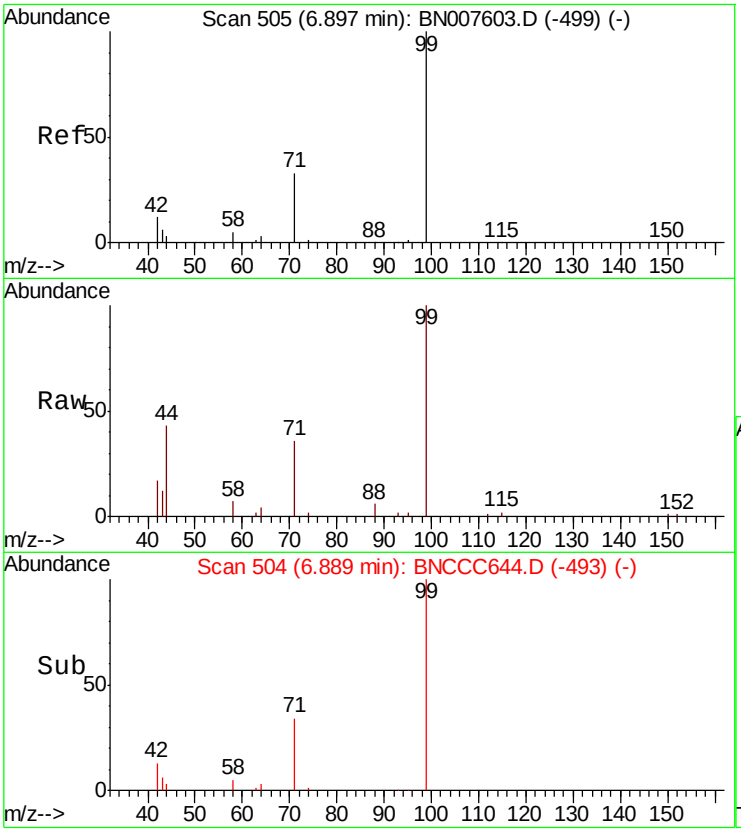


#4
2-Fluorophenol
Concen: 0.331 ng
RT: 5.33 min Scan# 311
Delta R.T. -0.01 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Tgt Ion:112 Resp: 9353

Ion	Ratio	Lower	Upper
112	100		
64	59.6	48.5	72.7
63	30.6	24.4	36.6



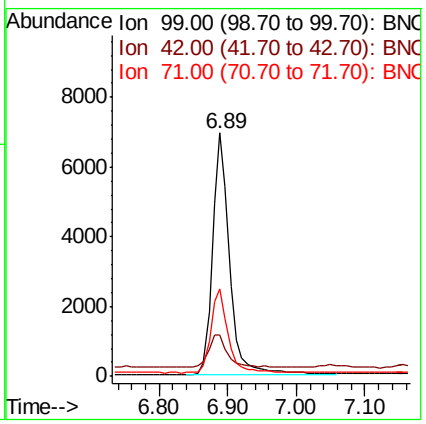


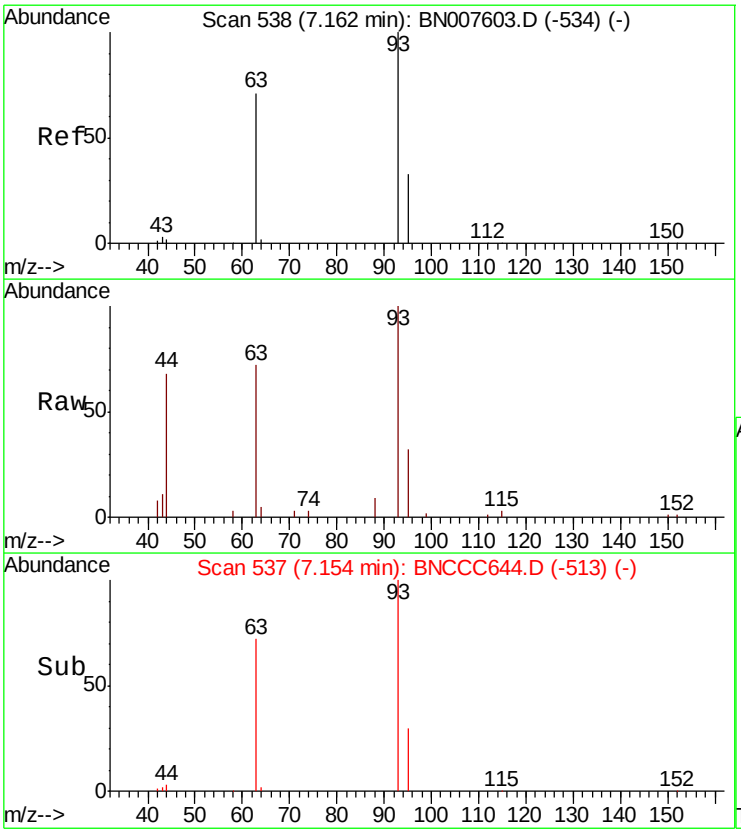
#5
Phenol-d6
Concen: 0.350 ng
RT: 6.89 min Scan# 504
Delta R.T. -0.01 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 99 Resp: 12035

Ion	Ratio	Lower	Upper
99	100		
42	15.2	11.8	17.6
71	35.9	28.0	42.0

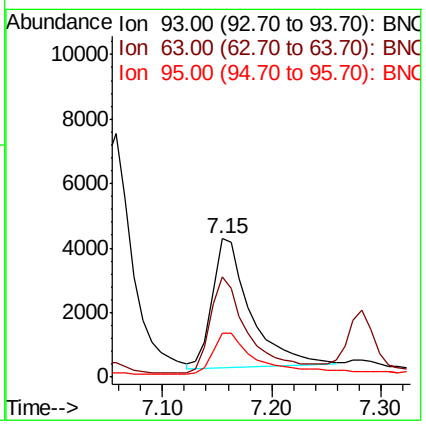


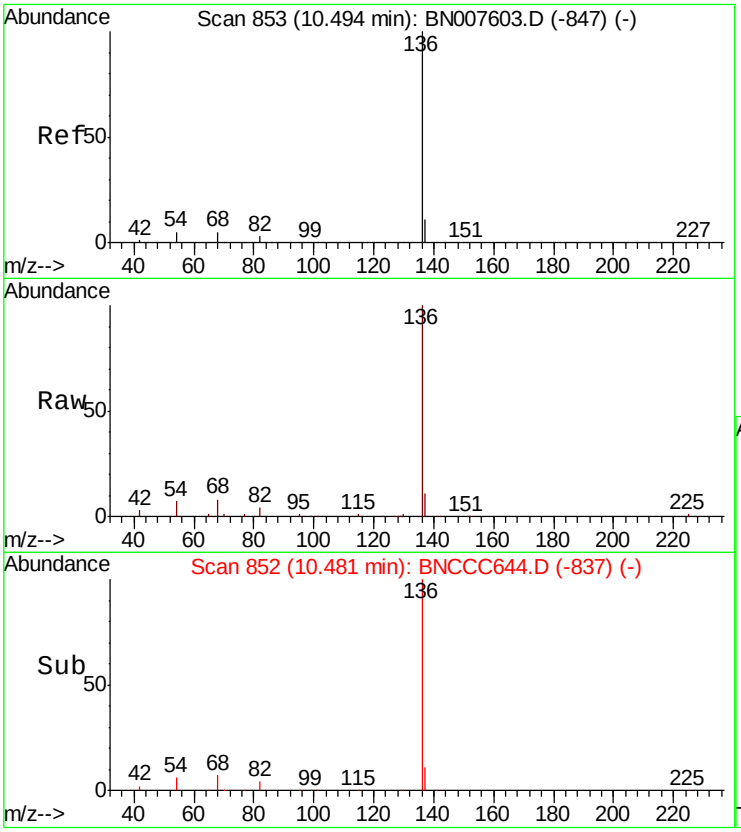


#6
bis(2-Chloroethyl)ether
Concen: 0.373 ng
RT: 7.15 min Scan# 537
Delta R.T. -0.01 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Tgt Ion: 93 Resp: 9687

Ion	Ratio	Lower	Upper
93	100		
63	76.0	61.2	91.8
95	38.2	27.2	40.8



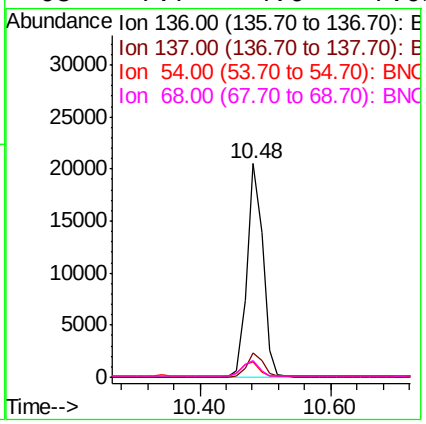


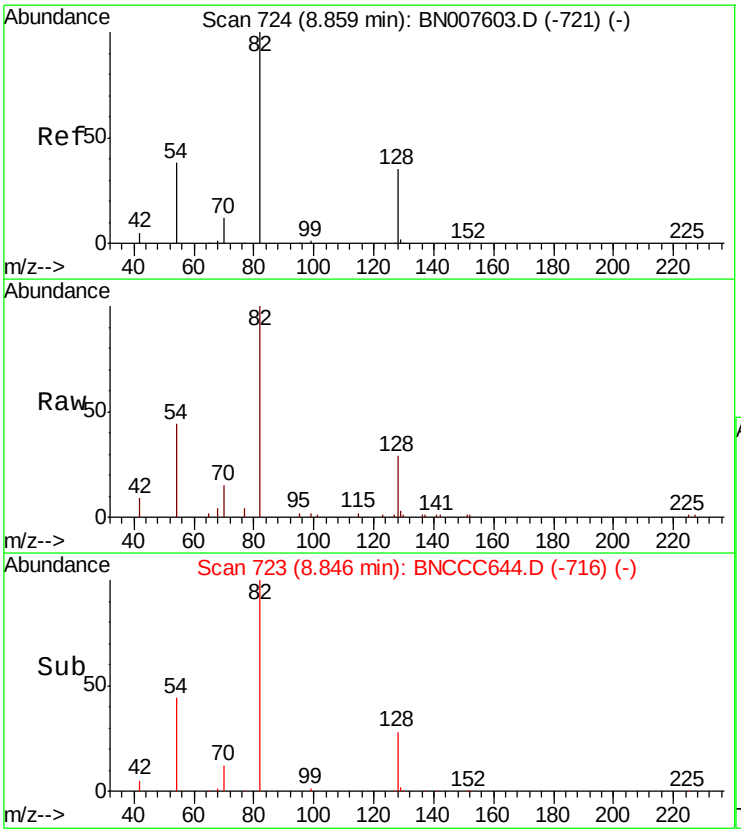
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.48 min Scan# 852
Delta R.T. -0.01 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:136 Resp: 34361

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	6.9	4.2	6.4#
68	7.7	4.6	7.0#

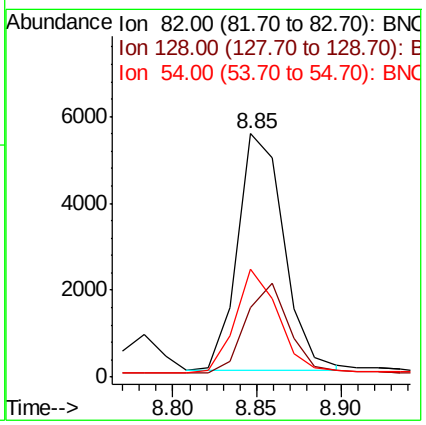


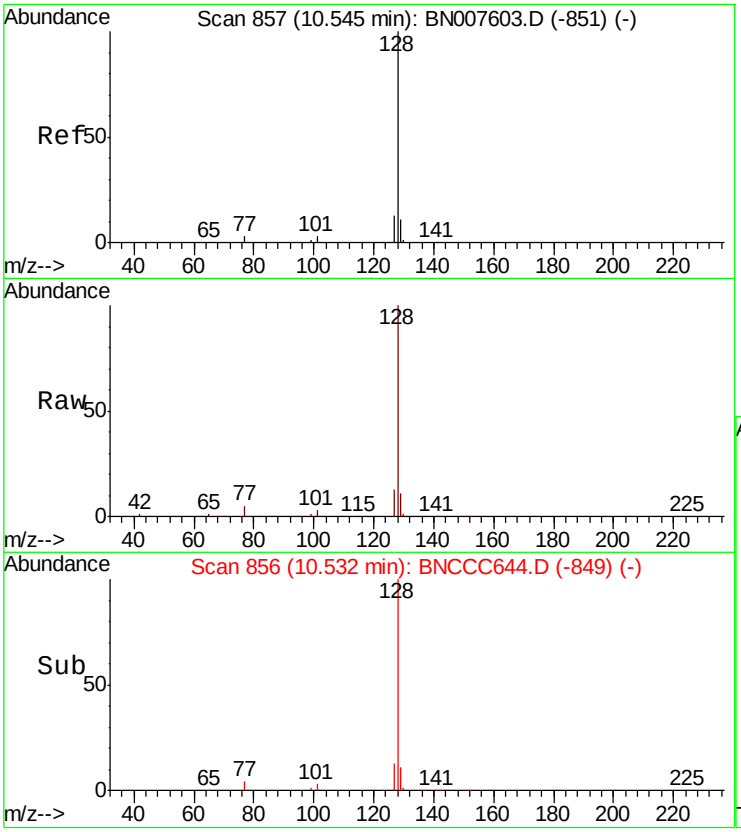


#8
Nitrobenzene-d5
Concen: 0.377 ng
RT: 8.85 min Scan# 723
Delta R.T. -0.01 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Tgt Ion: 82 Resp: 10349

Ion	Ratio	Lower	Upper
82	100		
128	28.7	27.9	41.9
54	44.3	30.9	46.3



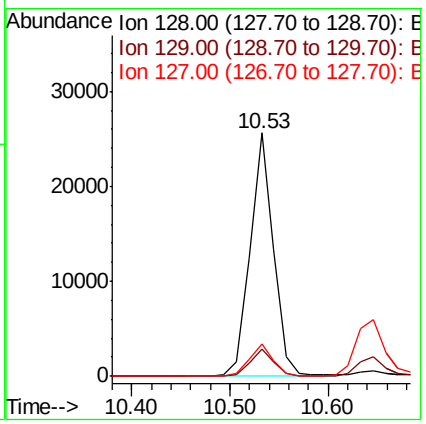


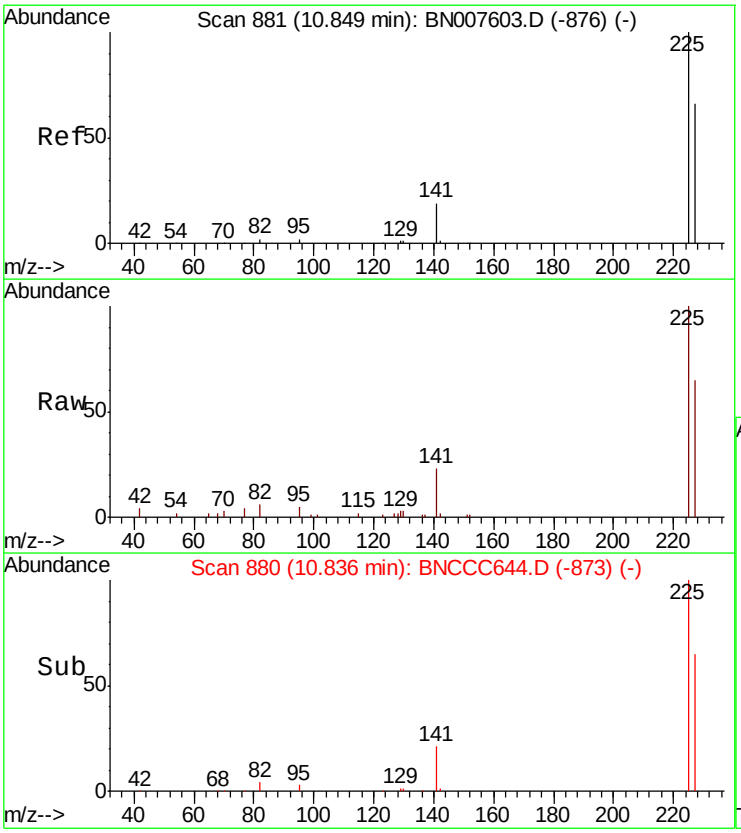
#9
Naphthalene
Concen: 0.424 ng
RT: 10.53 min Scan# 856
Delta R.T. -0.01 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:128 Resp: 41770

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.4
127	13.2	10.4	15.6

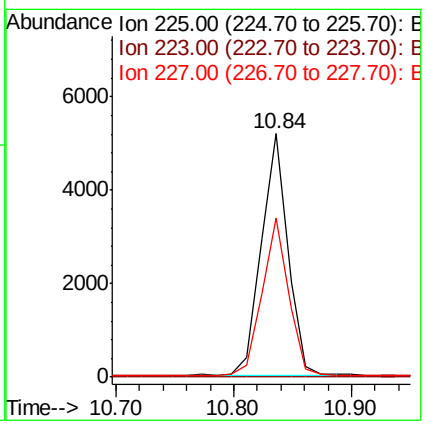


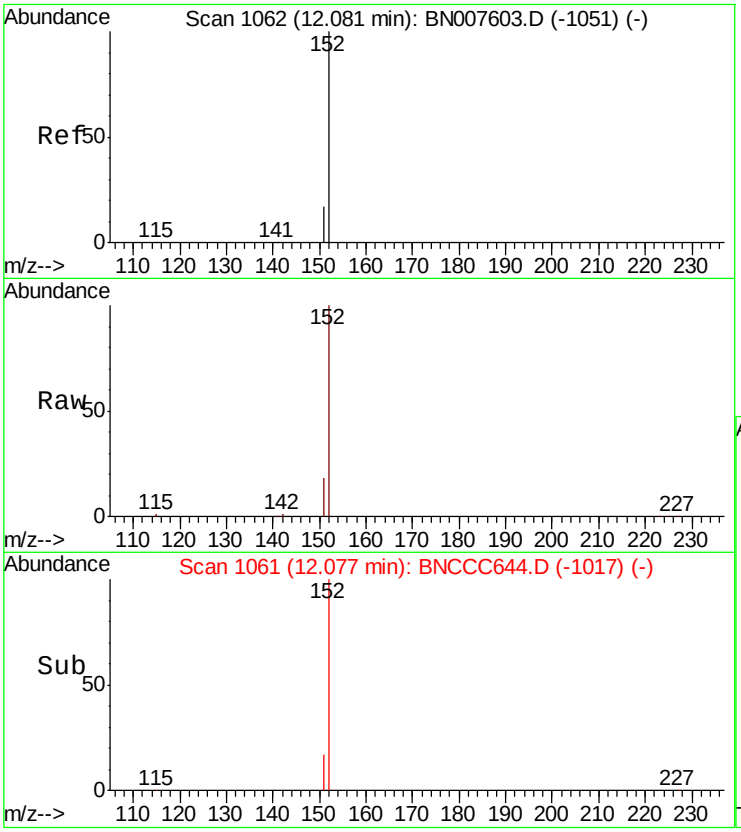


#10
Hexachlorobutadiene
Concen: 0.409 ng
RT: 10.84 min Scan# 880
Delta R.T. -0.01 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Tgt Ion:225 Resp: 8123

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.3	51.3	76.9



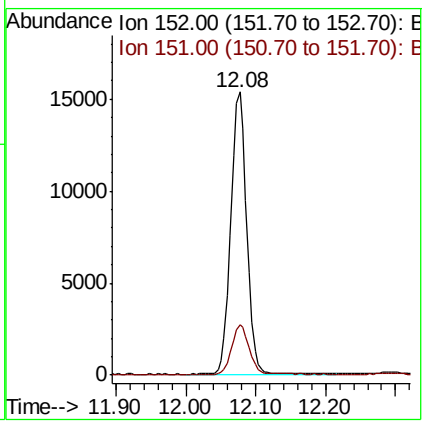


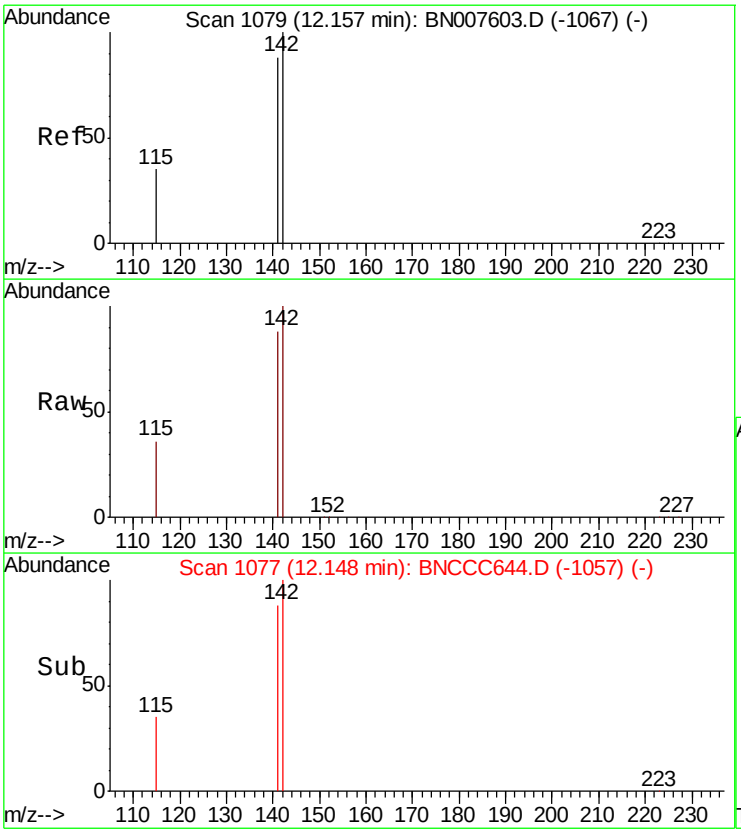
#11
2-Methylnaphthalene-d10
Concen: 0.416 ng
RT: 12.08 min Scan# 1061
Delta R.T. -0.00 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 24180

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.3	22.9

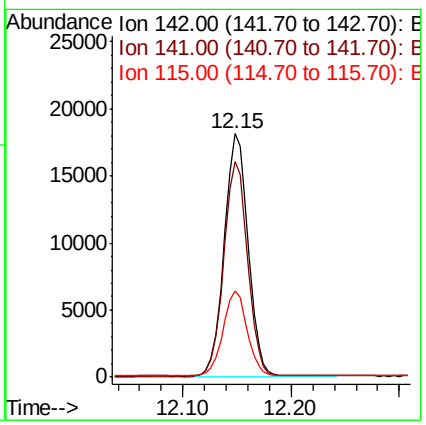


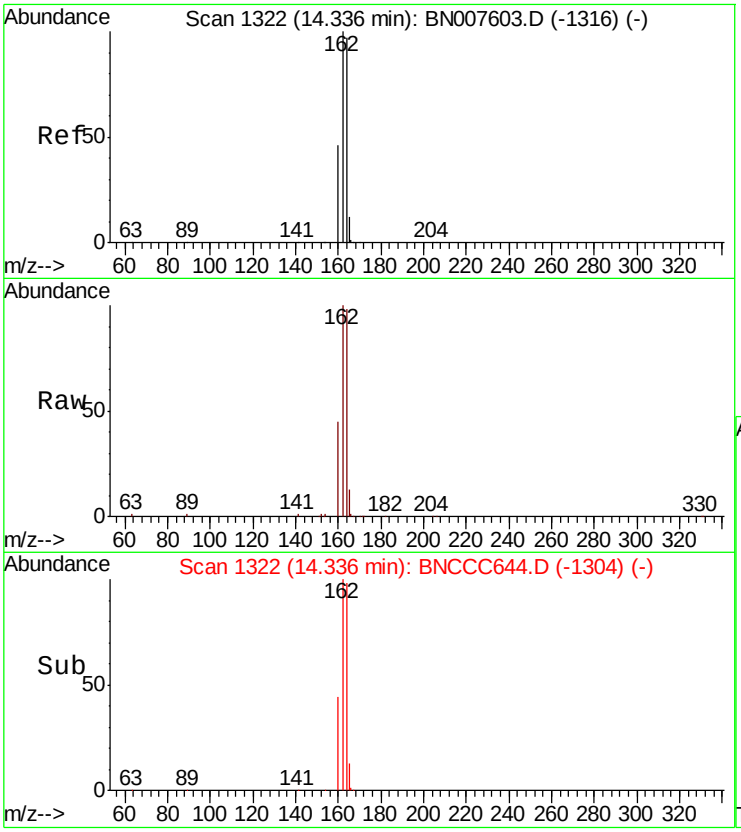


#12
2-Methylnaphthalene
Concen: 0.420 ng
RT: 12.15 min Scan# 1077
Delta R.T. -0.01 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Tgt Ion:142 Resp: 27777

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.5	105.7
115	35.6	28.4	42.6



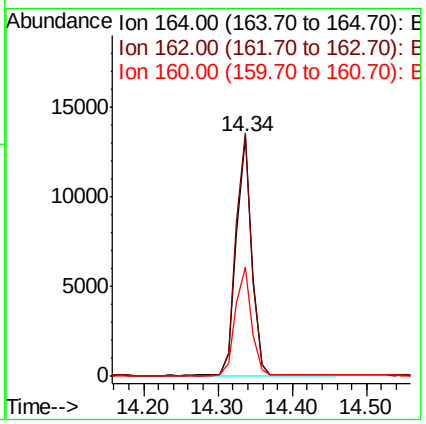


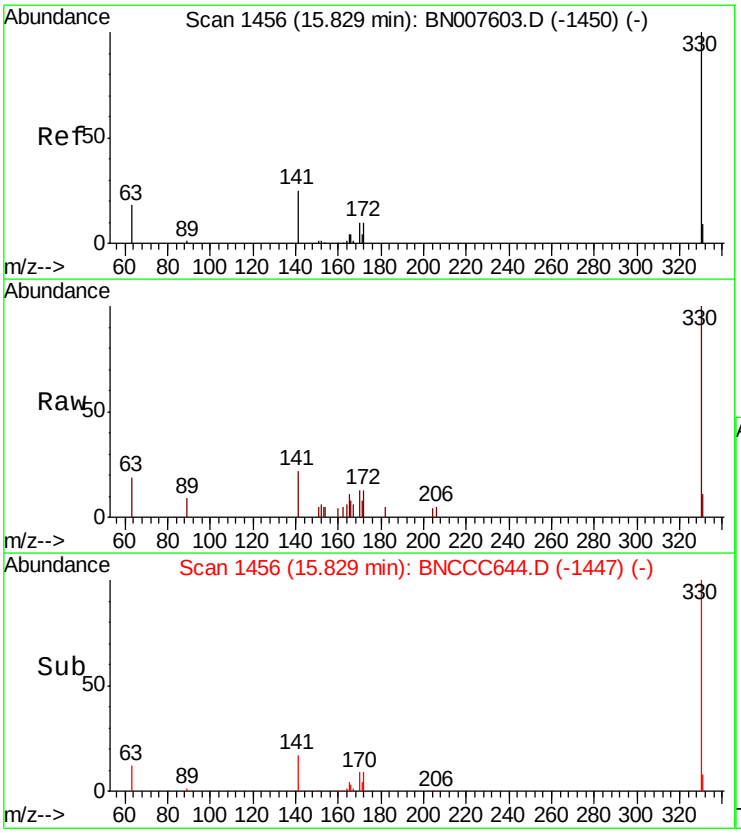
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.34 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:164 Resp: 19081

Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.8	124.2
160	45.4	38.0	57.0

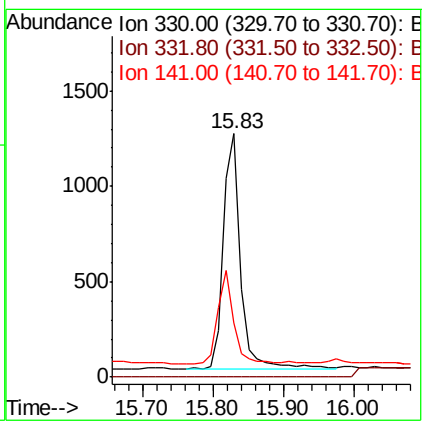


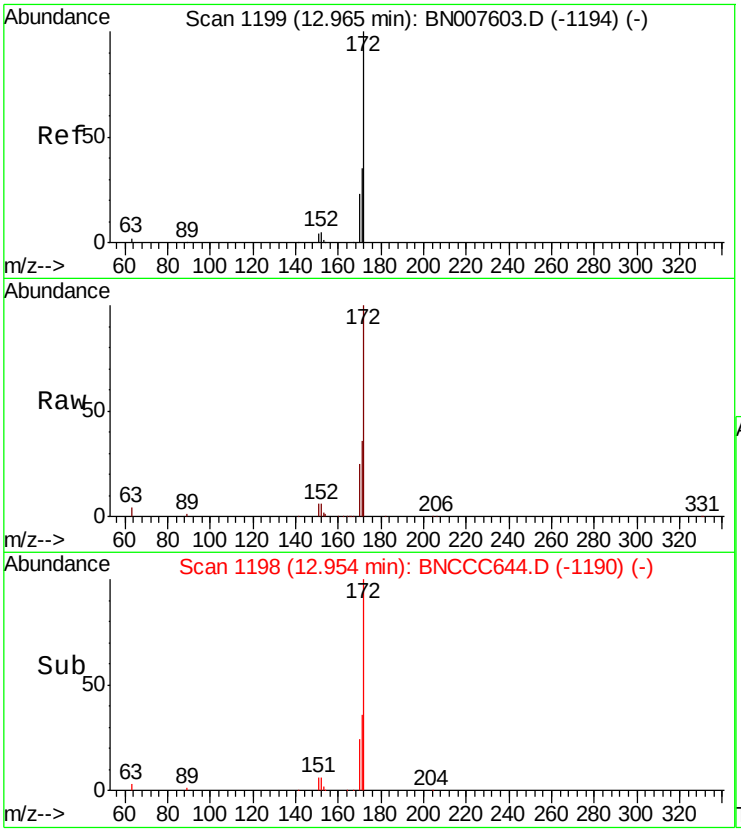


#14
2,4,6-Tribromophenol
Concen: 0.292 ng
RT: 15.83 min Scan# 1456
Delta R.T. -0.00 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Tgt Ion:330 Resp: 2105

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.1	30.1	45.1



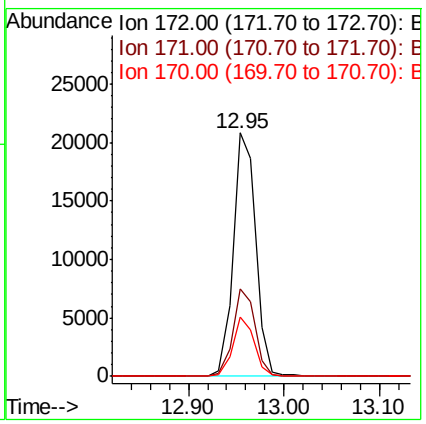


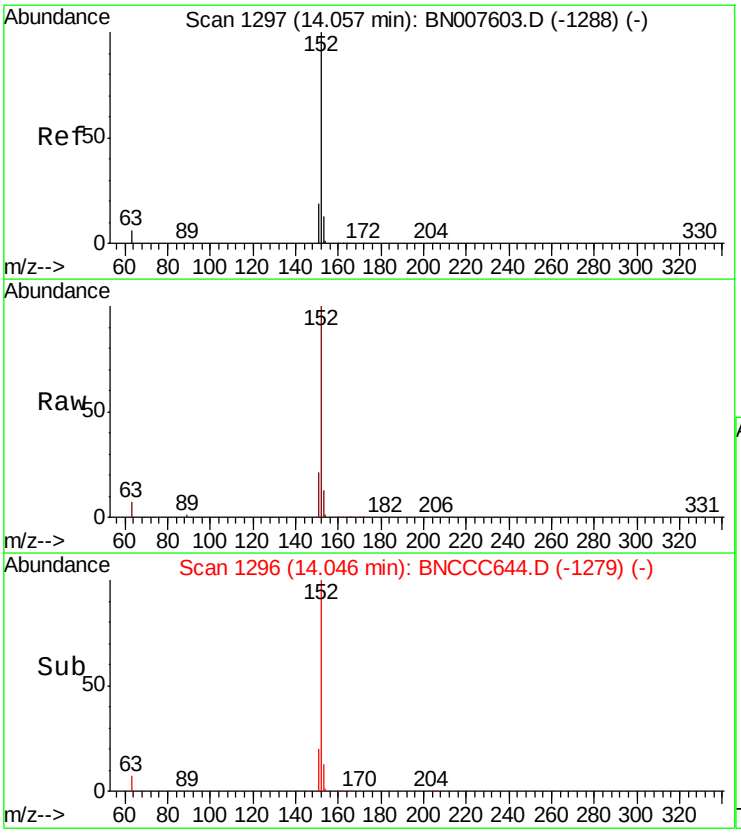
#15
2-Fluorobiphenyl
Concen: 0.406 ng
RT: 12.95 min Scan# 1198
Delta R.T. -0.01 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:172 Resp: 33828

Ion	Ratio	Lower	Upper
172	100		
171	36.0	27.9	41.9
170	24.6	18.5	27.7

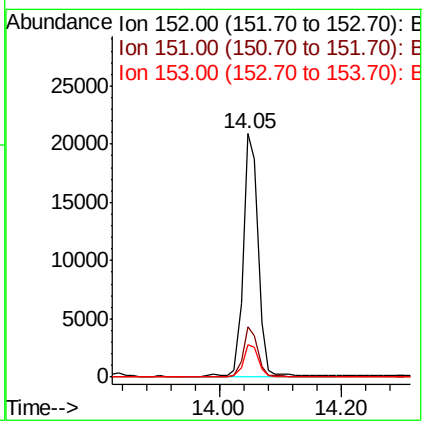


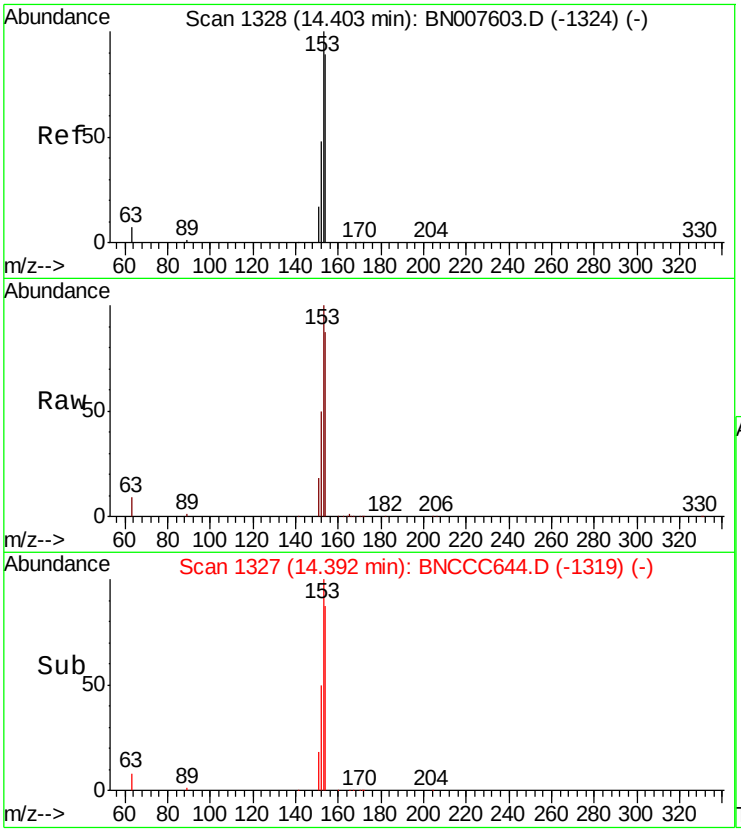


#16
Acenaphthylene
Concen: 0.357 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Tgt Ion:152 Resp: 35452

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.2	10.4	15.6



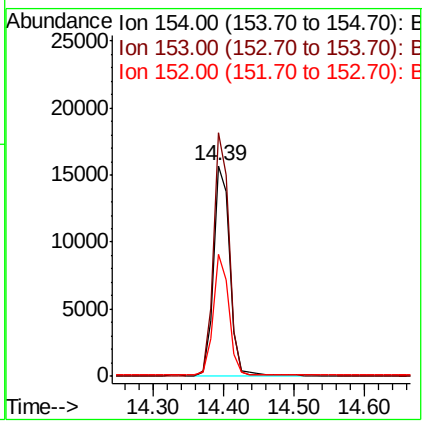


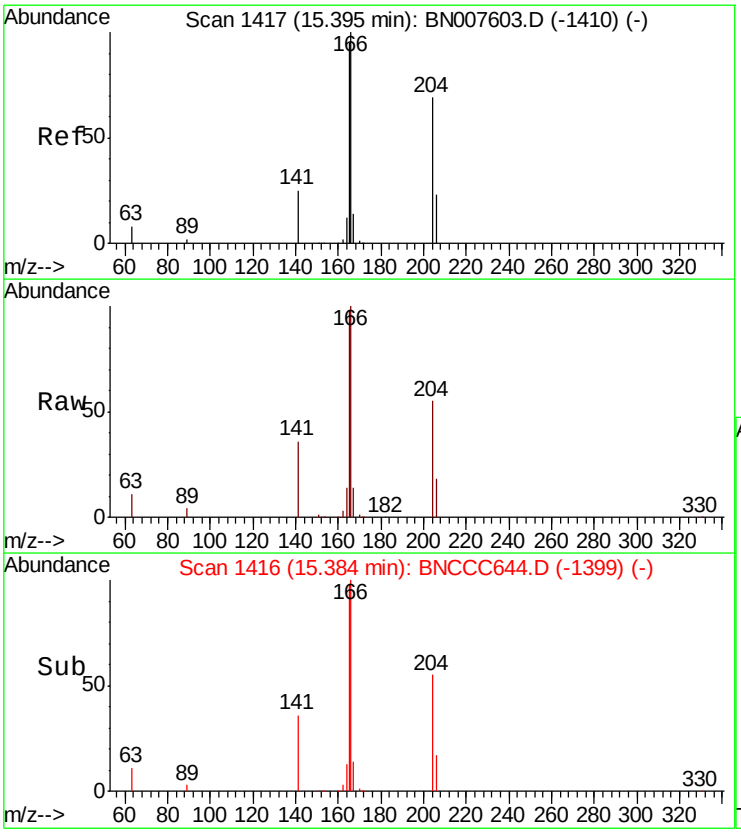
#17
Acenaphthene
Concen: 0.390 ng
RT: 14.39 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:154 Resp: 25262

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.8	134.8
152	55.8	43.8	65.8

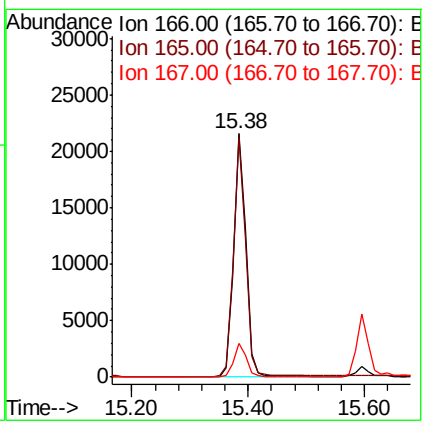


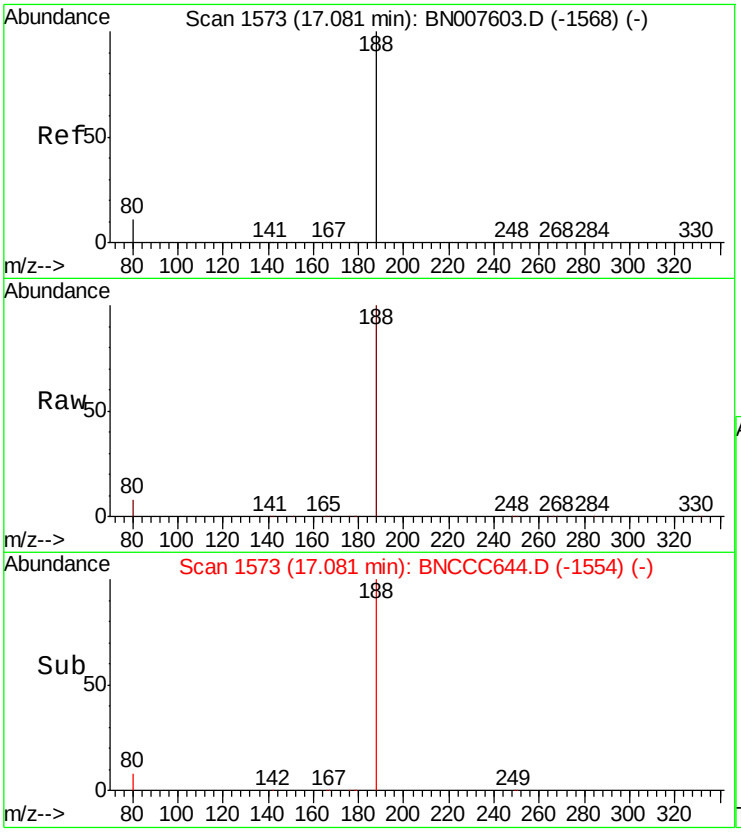


#18
Fluorene
Concen: 0.387 ng
RT: 15.38 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Tgt Ion:166 Resp: 31588

Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.8	116.6
167	13.7	10.8	16.2



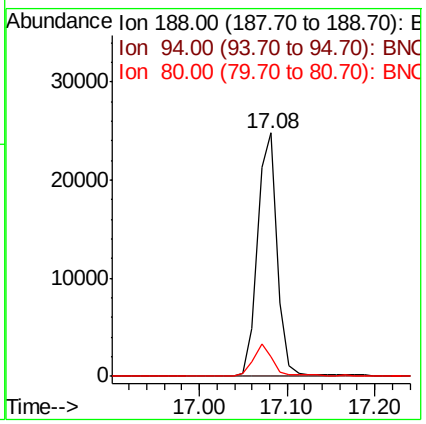


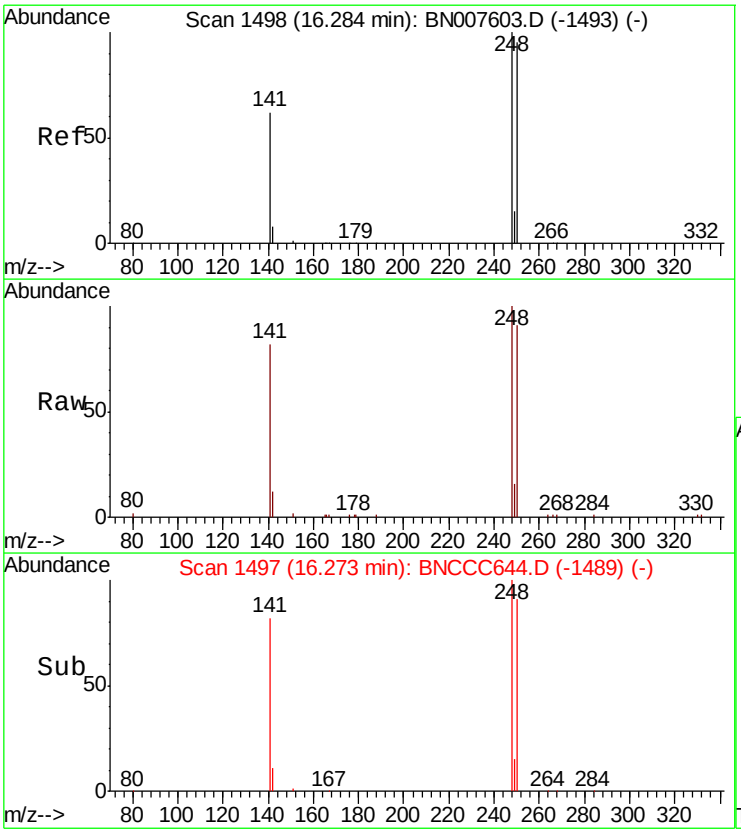
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:188 Resp: 38427

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.9	8.8	13.2#

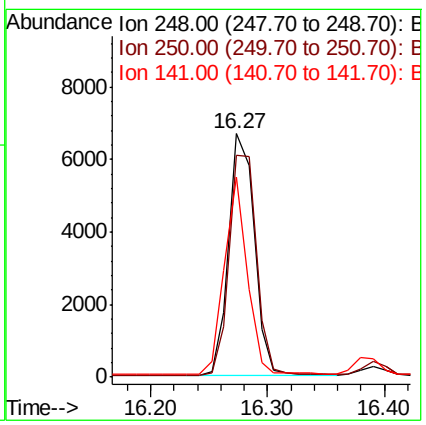


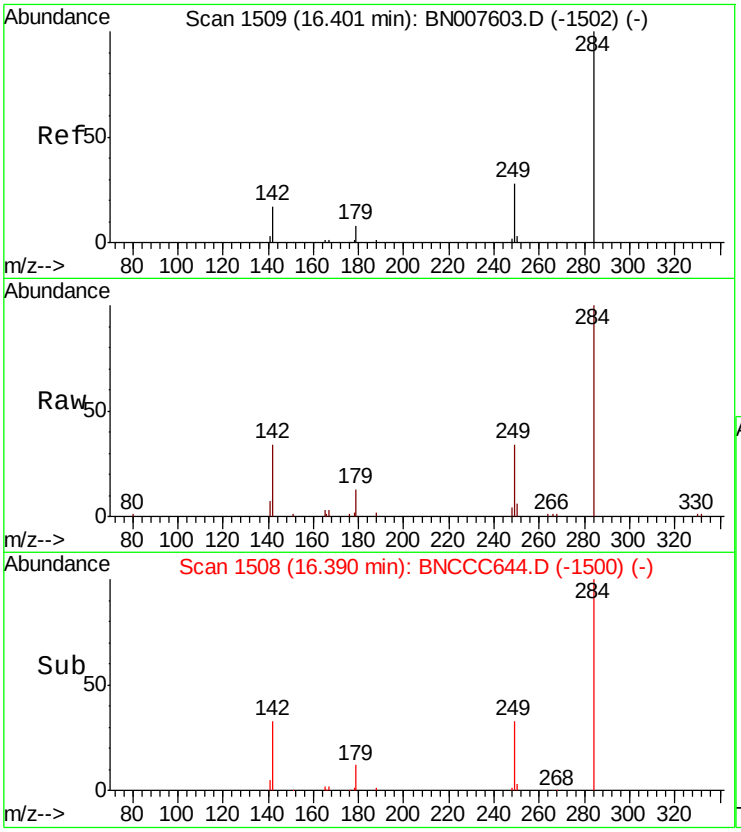


#20
4-Bromophenyl-phenylether
Concen: 0.427 ng
RT: 16.27 min Scan# 1497
Delta R.T. -0.01 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Tgt Ion:248 Resp: 10144

Ion	Ratio	Lower	Upper
248	100		
250	91.0	76.3	114.5
141	82.4	49.7	74.5#



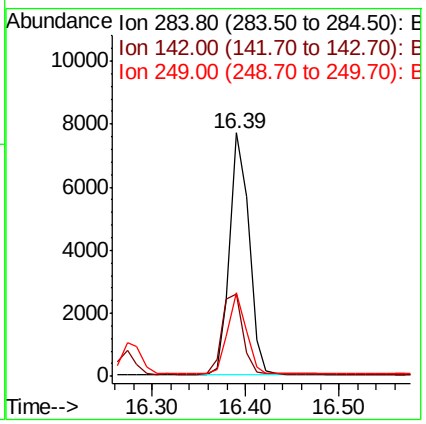


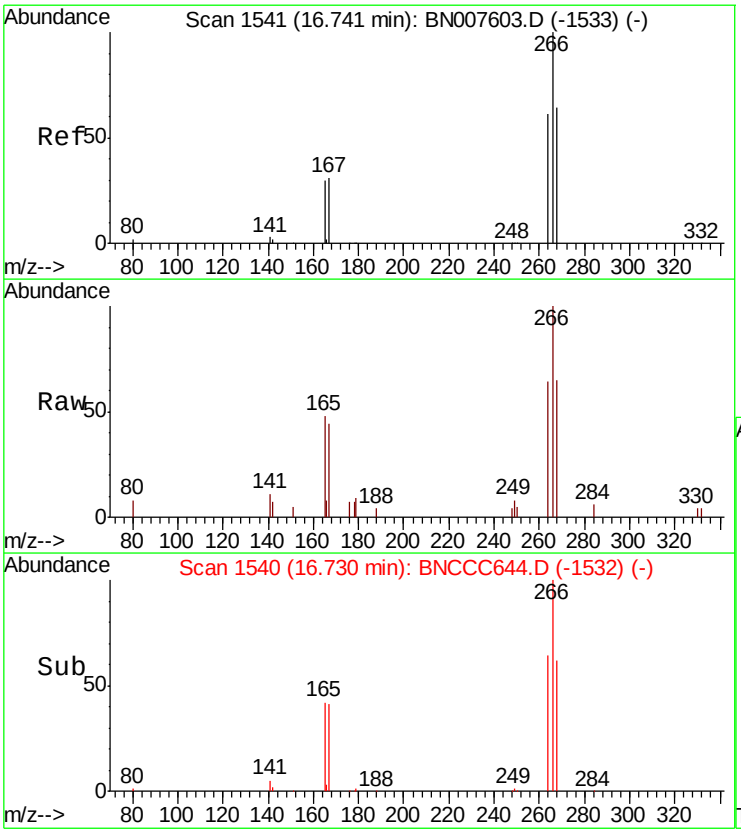
#21
Hexachlorobenzene
Concen: 0.431 ng
RT: 16.39 min Scan# 1508
Delta R.T. -0.01 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:284 Resp: 10947

Ion	Ratio	Lower	Upper
284	100		
142	36.3	27.8	41.6
249	31.9	25.5	38.3

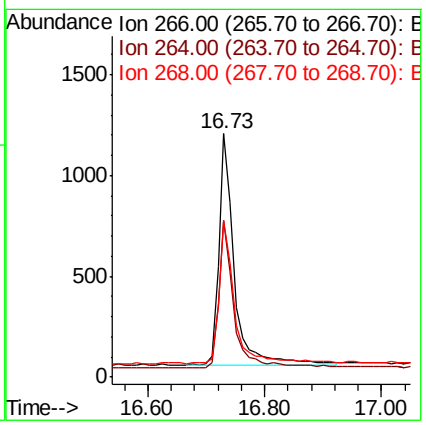


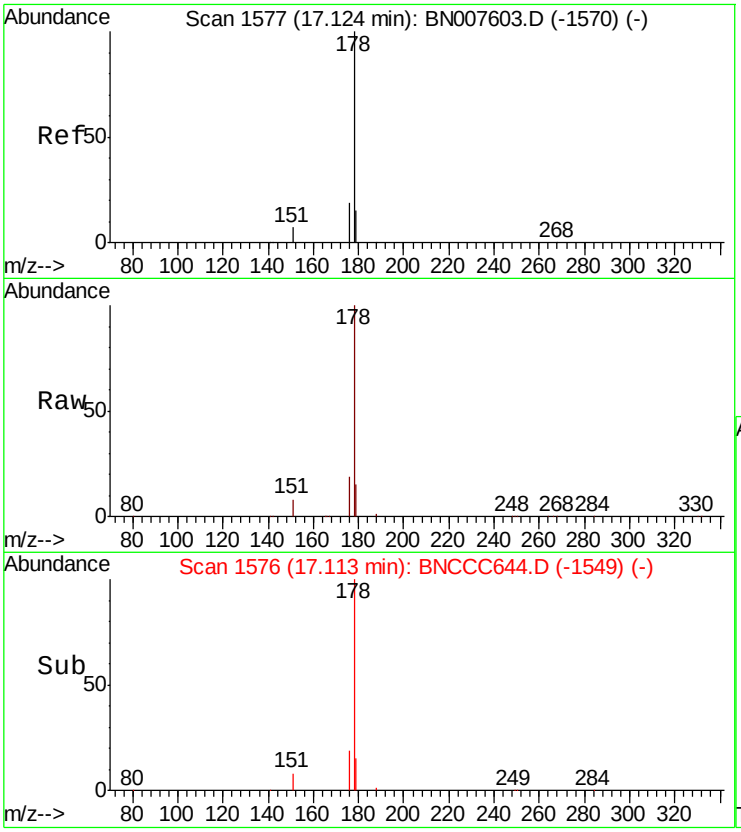


#22
Pentachlorophenol
Concen: 0.322 ng
RT: 16.73 min Scan# 1540
Delta R.T. -0.01 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Tgt Ion:266 Resp: 2126

Ion	Ratio	Lower	Upper
266	100		
264	64.3	49.4	74.0
268	64.6	53.0	79.6



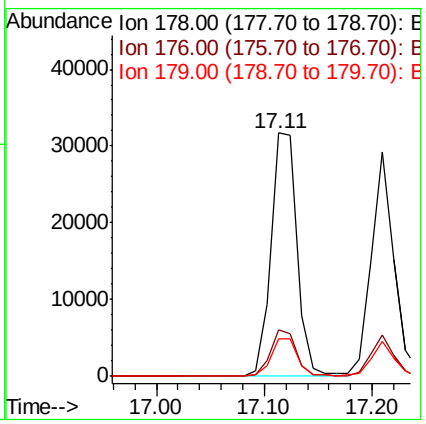


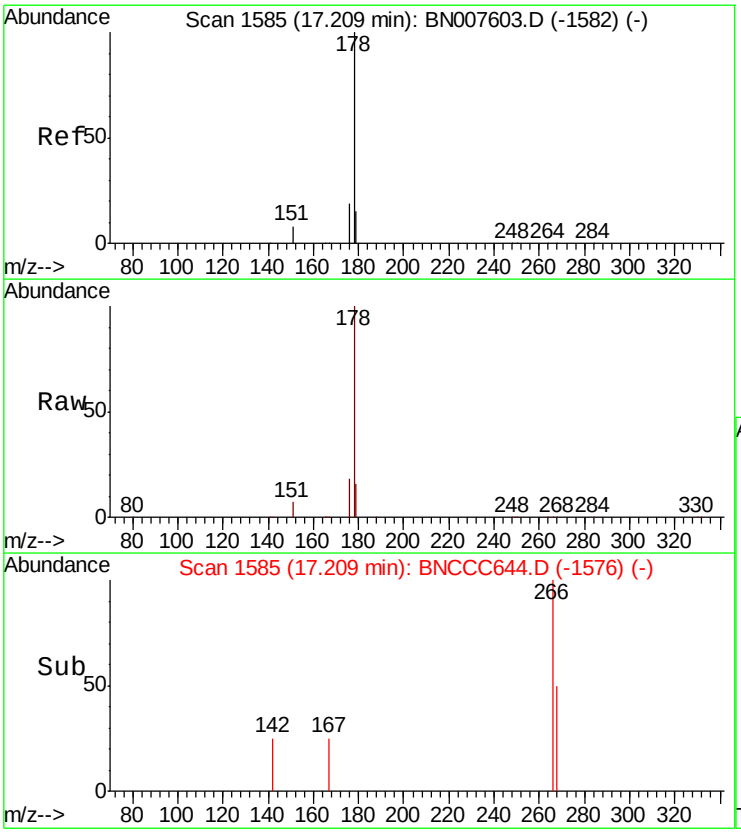
#23
Phenanthrene
Concen: 0.433 ng
RT: 17.11 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp: 52501

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.3	12.4	18.6

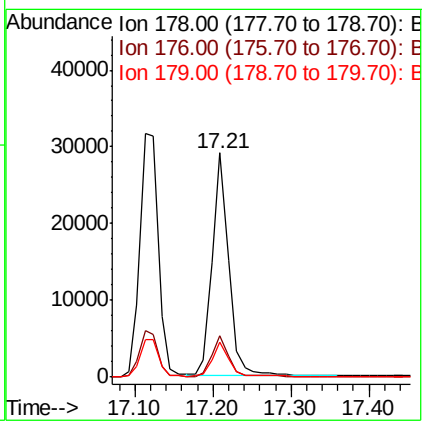


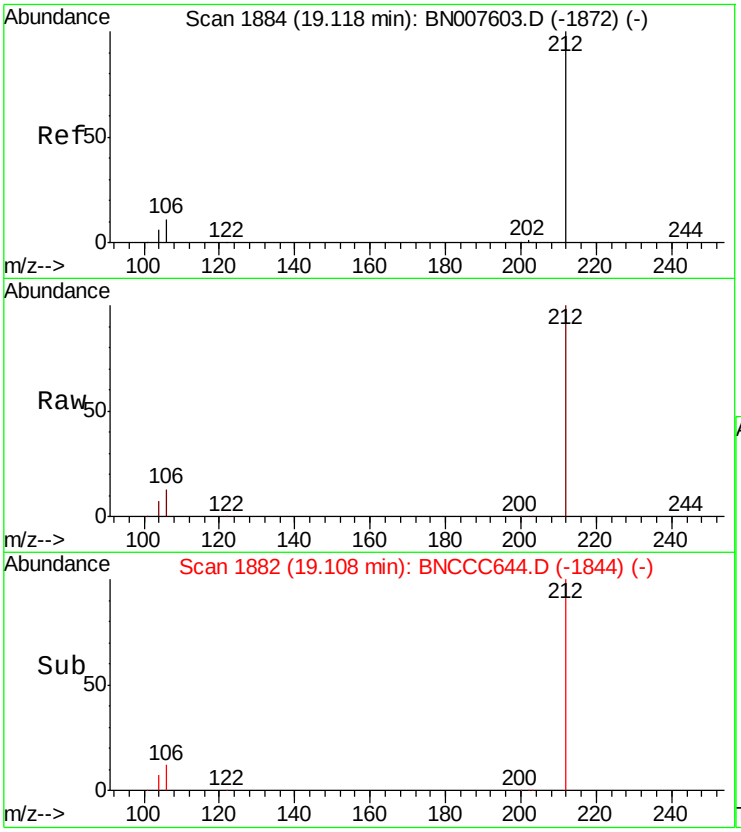


#24
Anthracene
Concen: 0.398 ng
RT: 17.21 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Tgt Ion:178 Resp: 42786

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.5	21.7
179	15.4	12.4	18.6



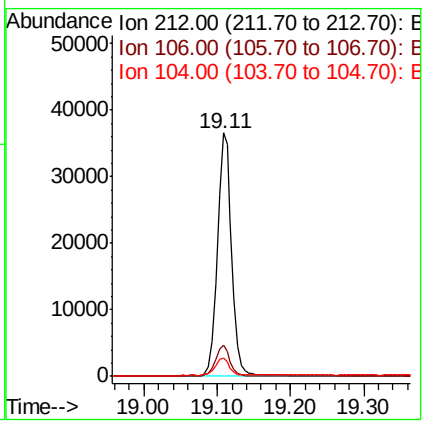


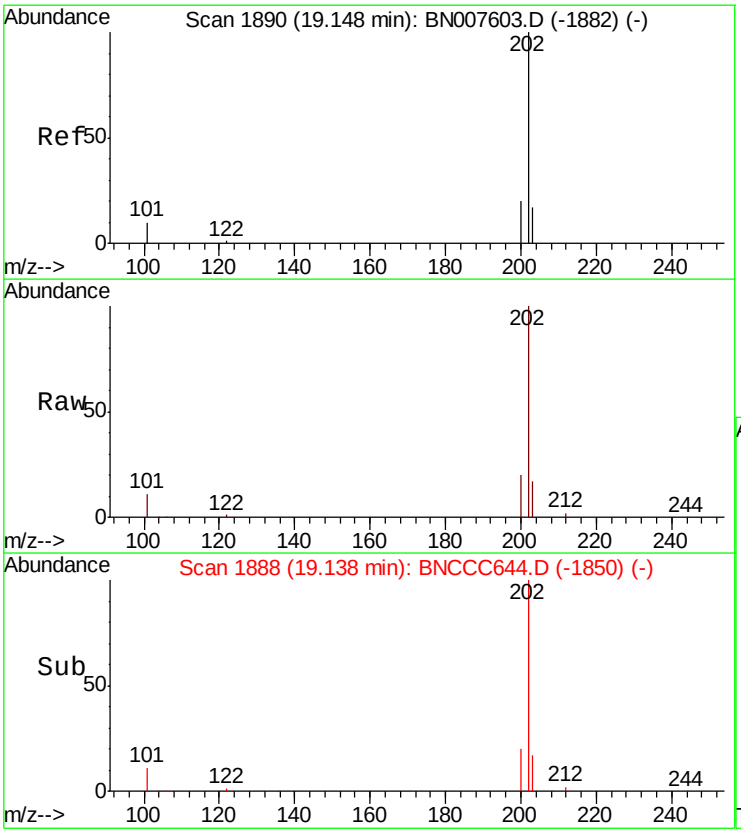
#25
Fluoranthene-d10
Concen: 0.404 ng
RT: 19.11 min Scan# 1882
Delta R.T. -0.01 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:212 Resp: 48935

Ion	Ratio	Lower	Upper
212	100		
106	12.3	9.6	14.4
104	6.9	5.4	8.0

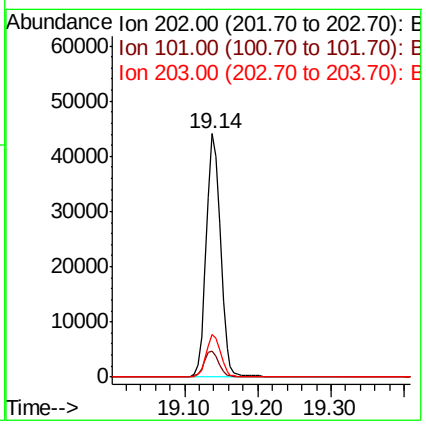


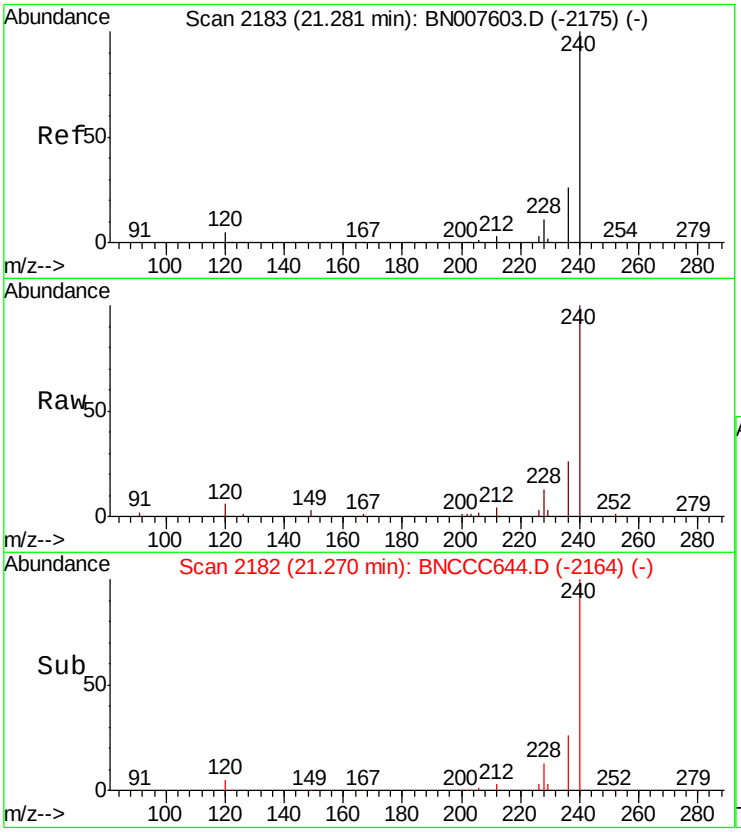


#26
Fluoranthene
Concen: 0.411 ng
RT: 19.14 min Scan# 1888
Delta R.T. -0.01 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Tgt Ion:202 Resp: 58166

Ion	Ratio	Lower	Upper
202	100		
101	11.1	8.6	13.0
203	17.4	13.8	20.6



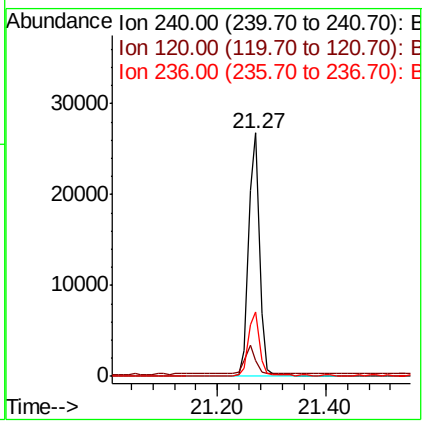


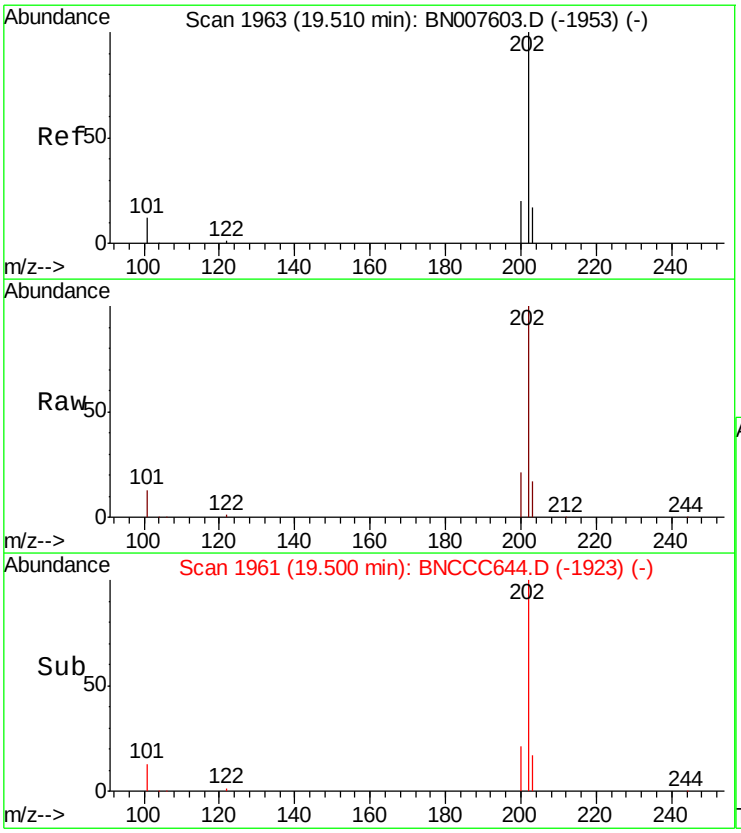
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.27 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:240 Resp: 37314

Ion	Ratio	Lower	Upper
240	100		
120	6.2	4.3	6.5
236	26.4	20.8	31.2

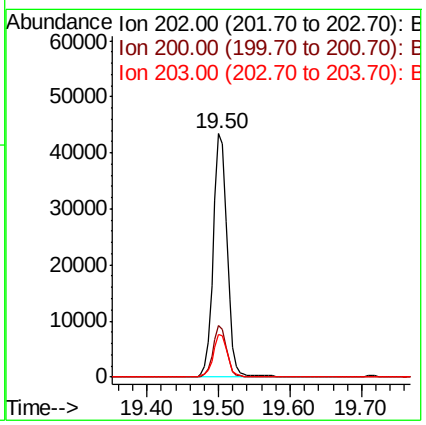


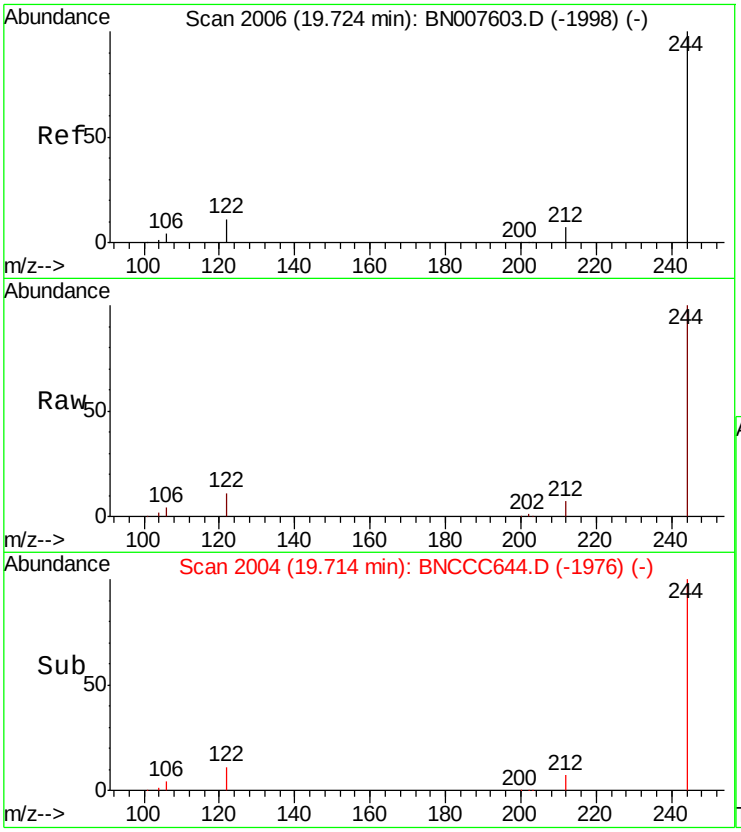


#28
Pyrene
Concen: 0.426 ng
RT: 19.50 min Scan# 1961
Delta R.T. -0.01 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Tgt Ion:202 Resp: 57768

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.4	24.6
203	17.5	14.0	21.0



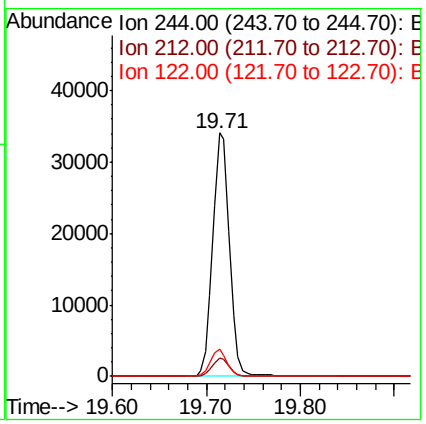


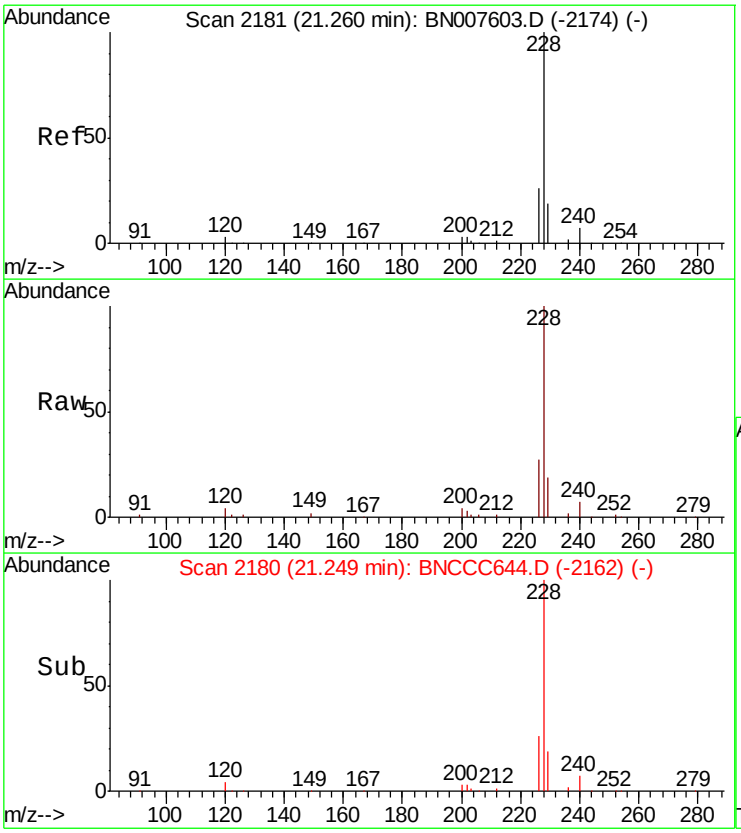
#29
Terphenyl-d14
Concen: 0.425 ng
RT: 19.71 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:244 Resp: 41797

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.9	8.9
122	11.0	8.6	12.8

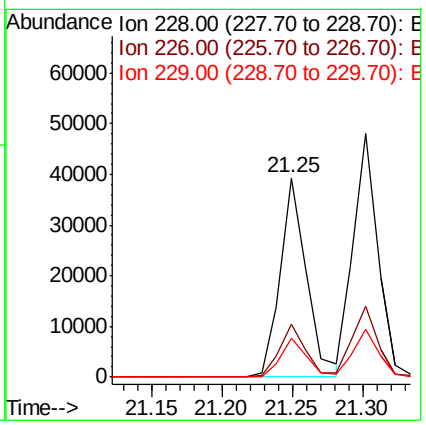


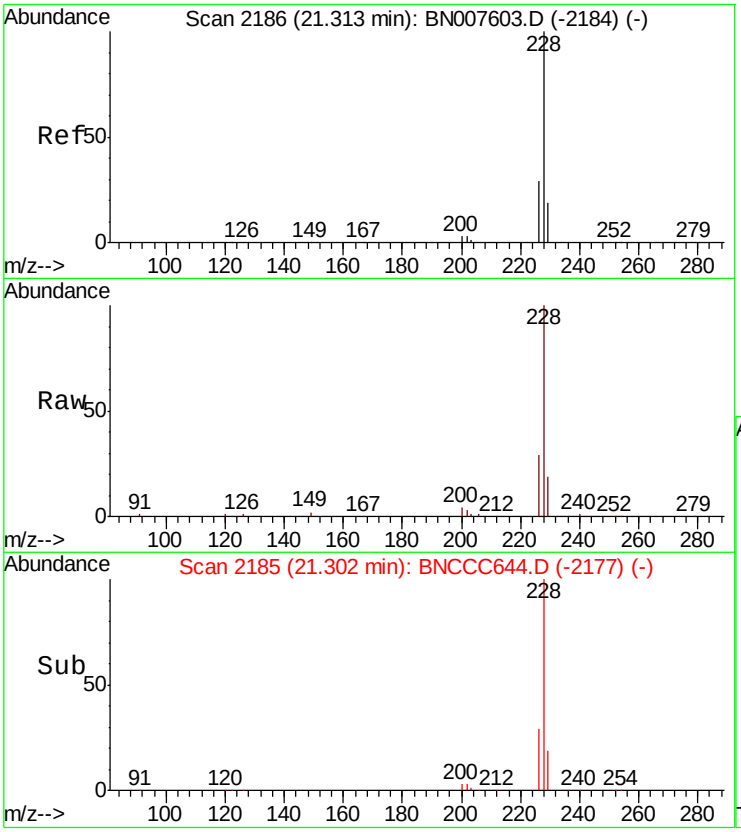


#30
Benzo(a)anthracene
Concen: 0.391 ng
RT: 21.25 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Tgt Ion:228 Resp: 51804

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.2	31.8
229	19.4	15.5	23.3



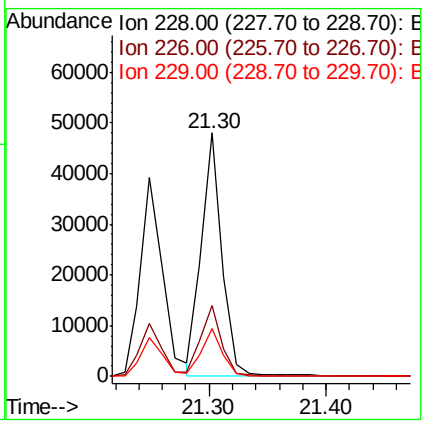


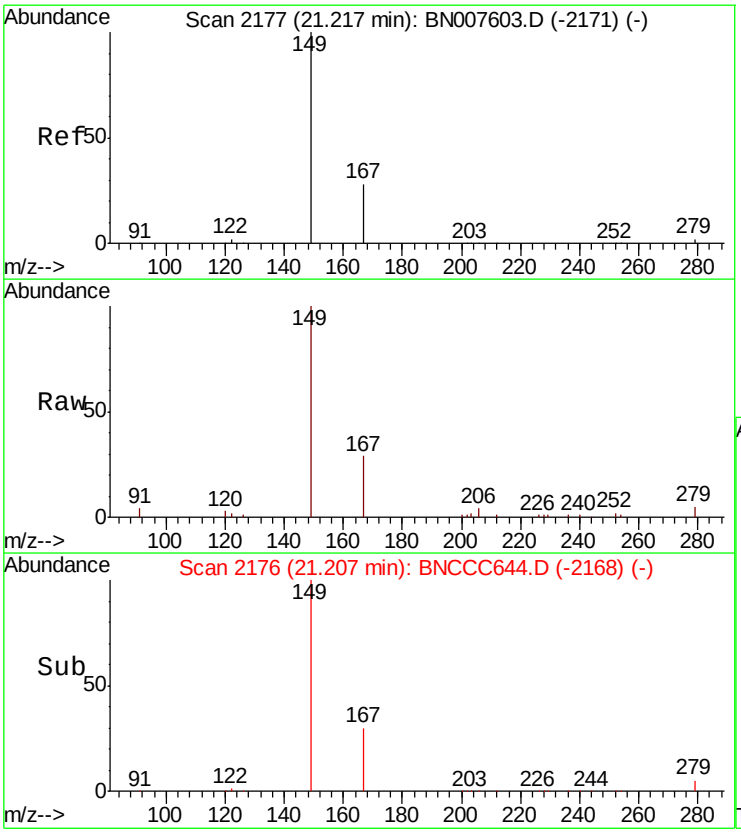
#31
Chrysene
Concen: 0.427 ng
RT: 21.30 min Scan# 2185
Delta R.T. -0.01 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 58775

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.4	35.2
229	19.4	15.5	23.3

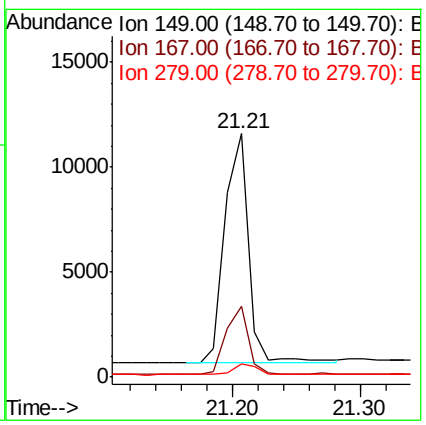


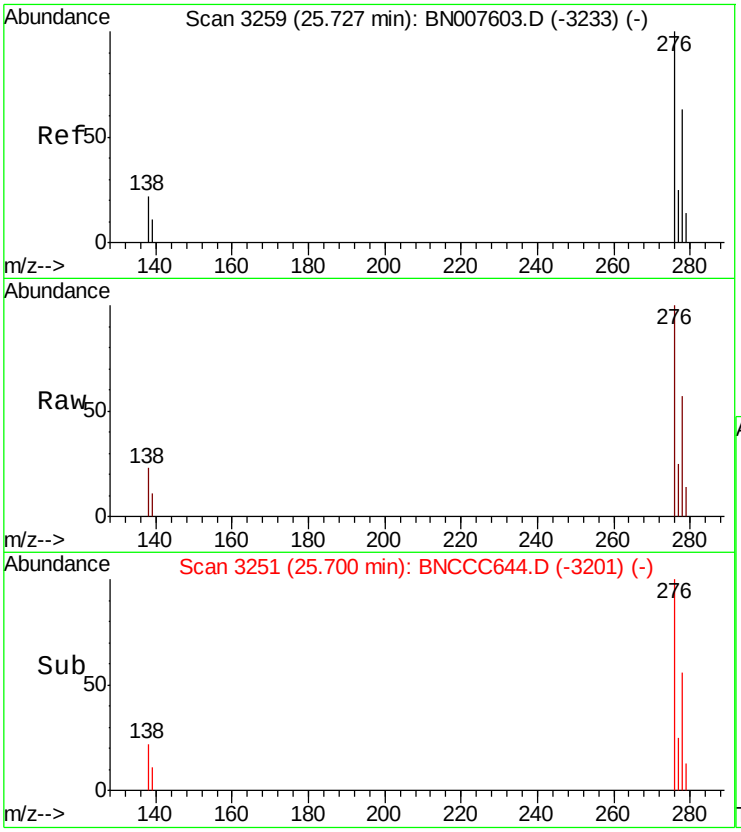


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.310 ng
RT: 21.21 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Tgt Ion:149 Resp: 13884

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.6	34.0
279	5.0	3.8	5.6



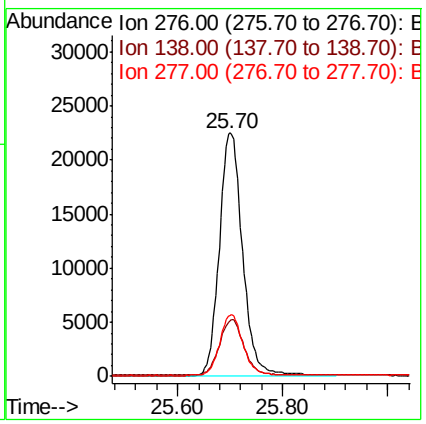


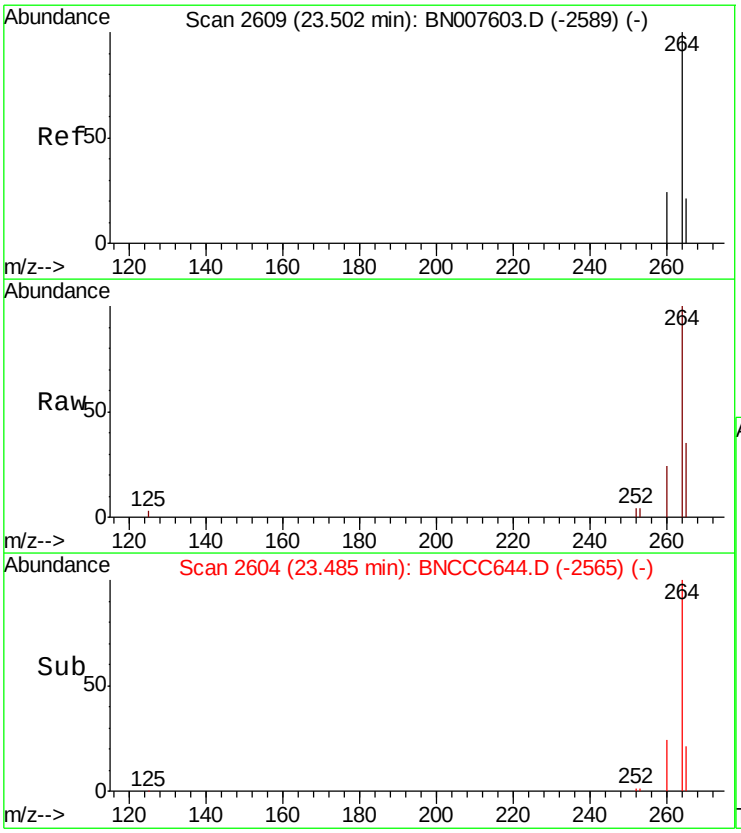
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.471 ng
RT: 25.70 min Scan# 3251
Delta R.T. -0.03 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 69216

Ion	Ratio	Lower	Upper
276	100		
138	23.9	18.2	27.4
277	24.8	20.1	30.1

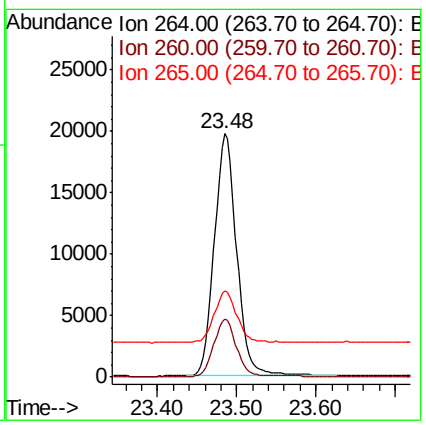


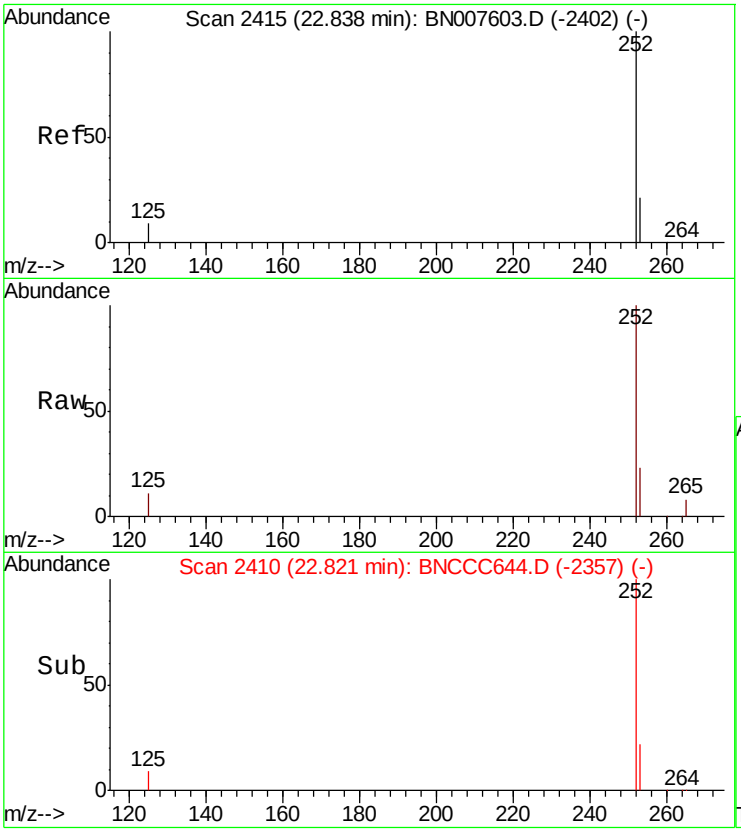


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.48 min Scan# 2604
Delta R.T. -0.02 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Tgt Ion:264 Resp: 38641

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	35.5	24.6	37.0



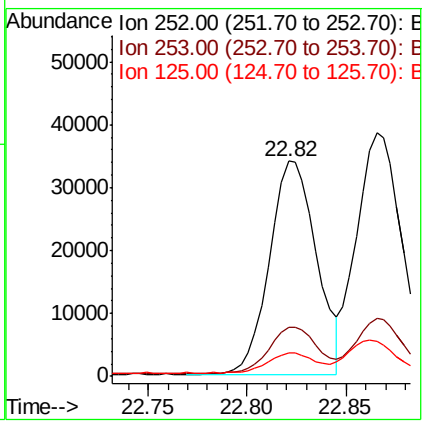


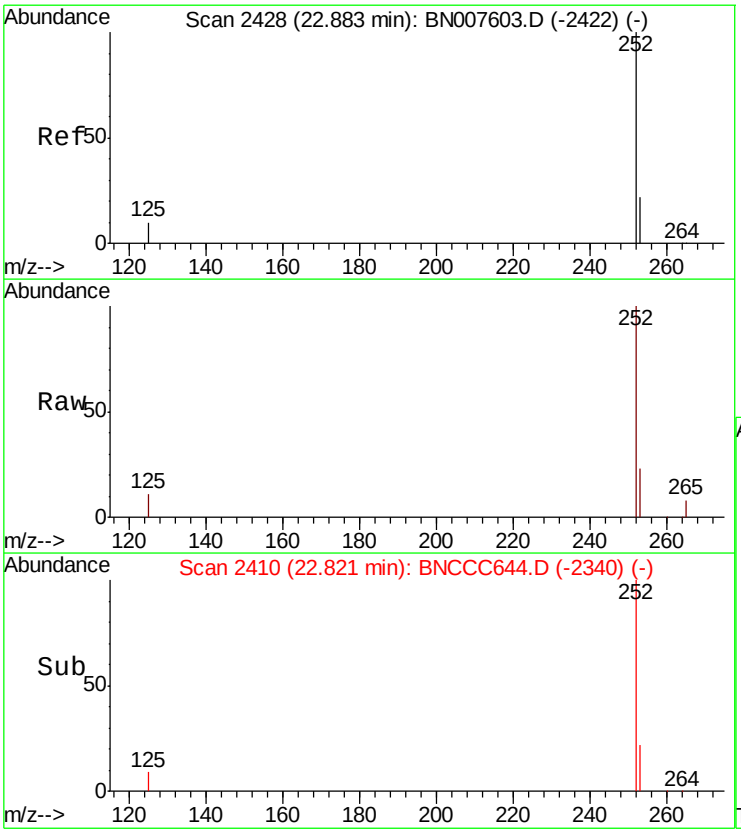
#35
Benzo(b)fluoranthene
Concen: 0.398 ng
RT: 22.82 min Scan# 2410
Delta R.T. -0.02 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 55846

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	10.7	8.0	12.0

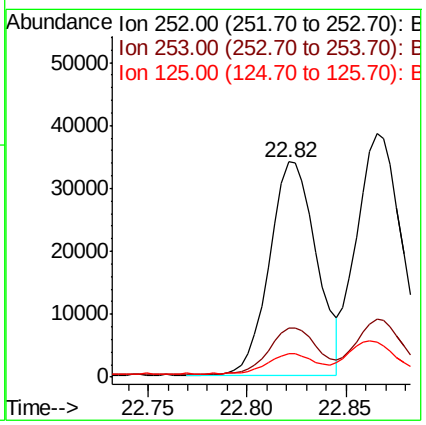


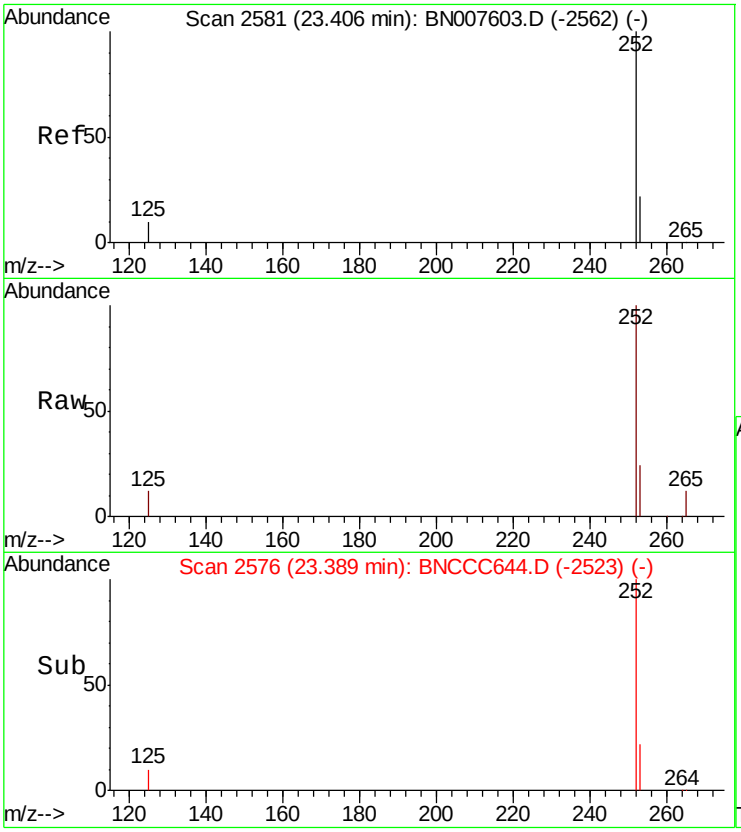


#36
Benzo(k)fluoranthene
Concen: 0.389 ng
RT: 22.82 min Scan# 2410
Delta R.T. -0.06 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Tgt Ion:252 Resp: 55846

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.3	27.5
125	10.7	8.9	13.3



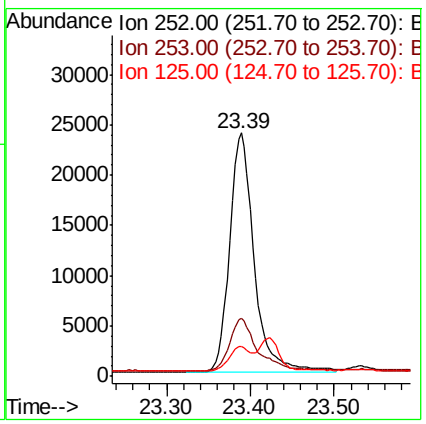


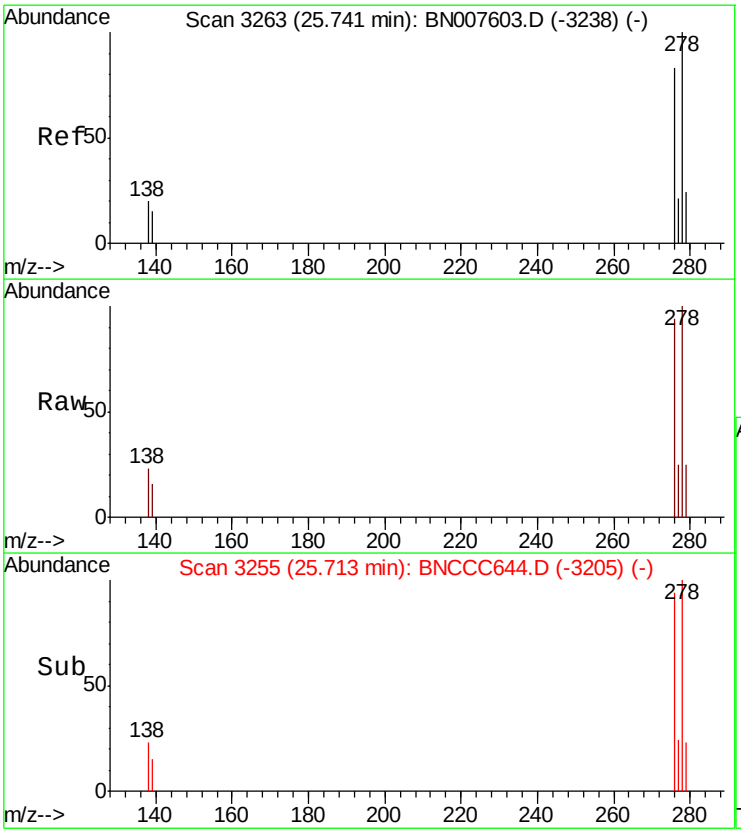
#37
Benzo(a)pyrene
Concen: 0.389 ng
RT: 23.39 min Scan# 2576
Delta R.T. -0.02 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 48457

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.3	27.5
125	12.2	8.9	13.3

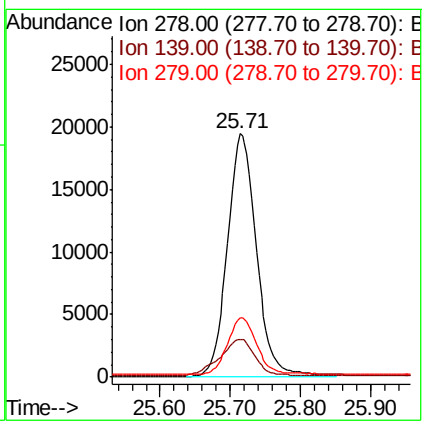


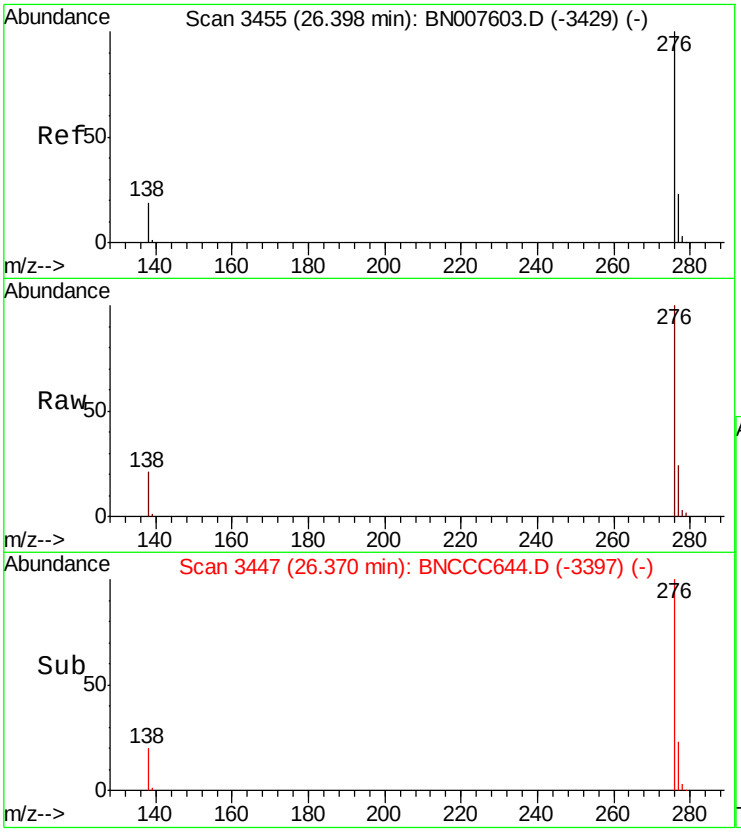


#38
Dibenzo(a,h)anthracene
Concen: 0.426 ng
RT: 25.71 min Scan# 3255
Delta R.T. -0.03 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Tgt Ion:278 Resp: 55596

Ion	Ratio	Lower	Upper
278	100		
139	15.6	12.6	18.8
279	24.6	19.6	29.4





#39
Benzo(g,h,i)perylene
Concen: 0.414 ng
RT: 26.37 min Scan# 3447
Delta R.T. -0.03 min
Lab File: BNCCC644.D
Acq: 14 Sep 2019 01:23

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 53367

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.1	28.7
138	20.7	15.8	23.6