Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120419\
Data File : BN008841.D
Acq On : 04 Dec 2019 14:19
Operator : JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDICC3.2

Quant Time: Dec 04 15:42:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN120419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 04 14:04:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	3278	0.40	ng		0.00
7) Naphthalene-d8	10.33	136	14374	0.40	ng		0.00
13) Acenaphthene-d10	14.19	164	10055	0.40	ng		0.00
19) Phenanthrene-d10	16.94	188	21924	0.40	ng		0.00
27) Chrysene-d12	21.14	240	23179	0.40	ng		-0.01
34) Perylene-d12	23.30	264	25115	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.21	112	28989	2.57	ng		0.00
5) Phenol-d6	6.76	99	40770	2.54	ng		0.00
8) Nitrobenzene-d5	8.71	82	42529	3.38	ng		0.00
11) 2-Methylnaphthalene-d10	11.92	152	80232	3.31	ng		0.00
14) 2,4,6-Tribromophenol	15.70	330	19205	3.51	ng		0.00
15) 2-Fluorobiphenyl	12.81	172	124303	3.00	ng		0.00
25) Fluoranthene-d10	18.98	212	222454	3.01	ng		0.00
29) Terphenyl-d14	19.59	244	179332	3.15	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.19	88	10770	2.948	ng	#	100
3) n-Nitrosodimethylamine	3.49	42	15702	9.383	ng	#	100
6) bis(2-Chloroethyl)ether	7.01	93	36473	3.930	ng		97
9) Naphthalene	10.38	128	126080	3.126	ng		99
10) Hexachlorobutadiene	10.67	225	24451	2.878	ng	#	100
12) 2-Methylnaphthalene	12.00	142	94544	3.468	ng		99
16) Acenaphthylene	13.91	152	162265	3.043	ng		100
17) Acenaphthene	14.26	154	99712	2.900	ng		99
18) Fluorene	15.25	166	132686	3.011	ng		100
20) 4-Bromophenyl-phenylether	16.15	248	43796	3.291	ng		96
21) Hexachlorobenzene	16.26	284	49076	3.373	ng		100
22) Pentachlorophenol	16.60	266	22526	4.199	ng		97
23) Phenanthrene	16.99	178	223291	3.269	ng		100
24) Anthracene	17.07	178	211038	3.421	ng		100
26) Fluoranthene	19.01	202	268890	3.166	ng		100
28) Pyrene	19.37	202	272516	3.447	ng		100
30) Benzo(a)anthracene	21.13	228	279574	3.275	ng		100
31) Chrysene	21.19	228	273447	3.287	ng		99
32) Bis(2-ethylhexyl)phthalate	21.09	149	171984	3.918	ng		100
33) Indeno(1,2,3-cd)pyrene	25.43	276	326170	3.132	ng		100
35) Benzo(b)fluoranthene	22.67	252	277032	3.177	ng	#	91
36) Benzo(k)fluoranthene	22.71	252	272408	3.160	ng	#	90
37) Benzo(a)pyrene	23.21	252	260974	3.185	ng	#	90
38) Dibenzo(a,h)anthracene	25.44	278	263558	3.144	ng		95
39) Benzo(g,h,i)perylene	26.07	276	268640	3.238	ng		97

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

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Acq On : 04 Dec 2019 14:19
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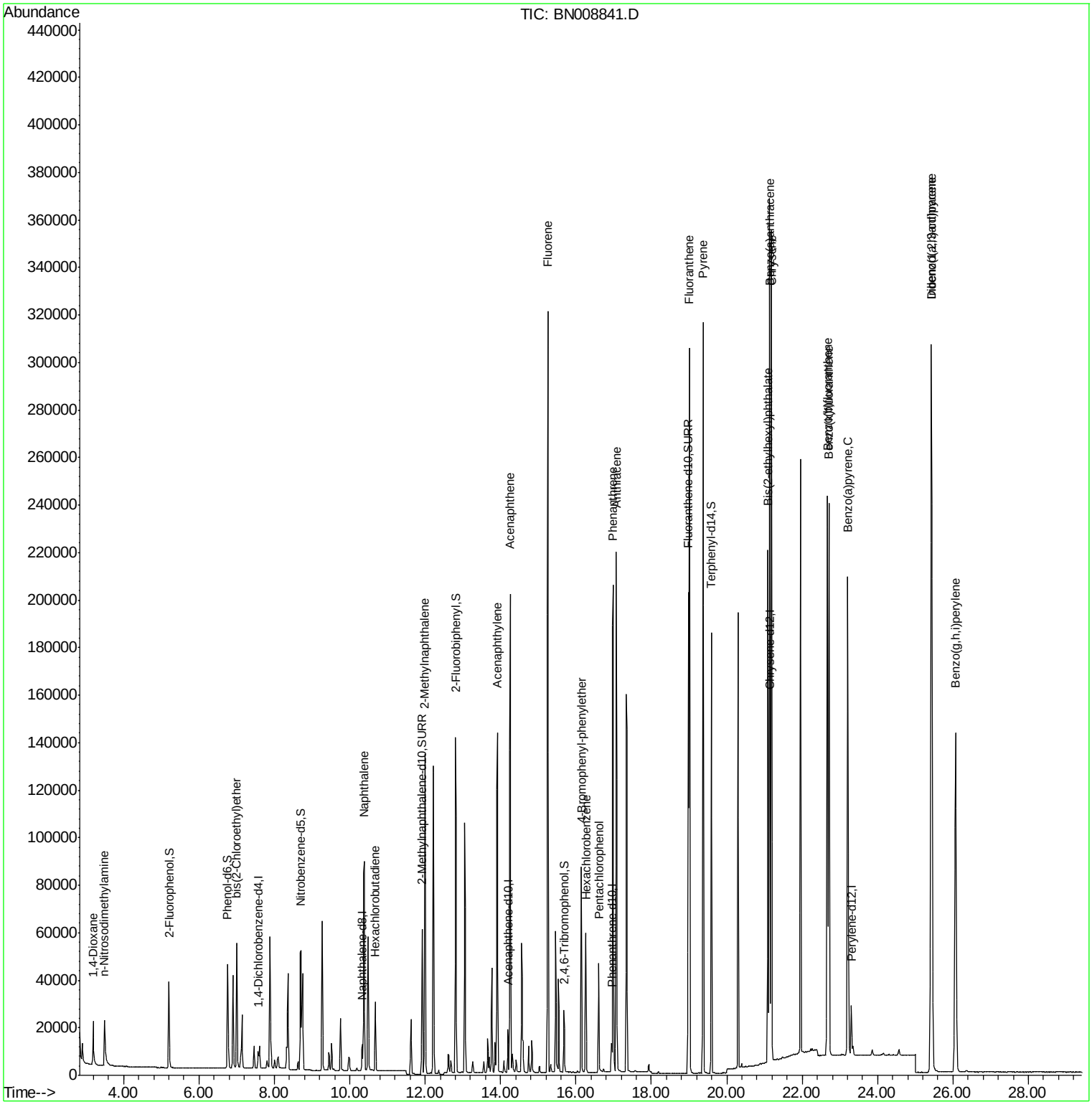
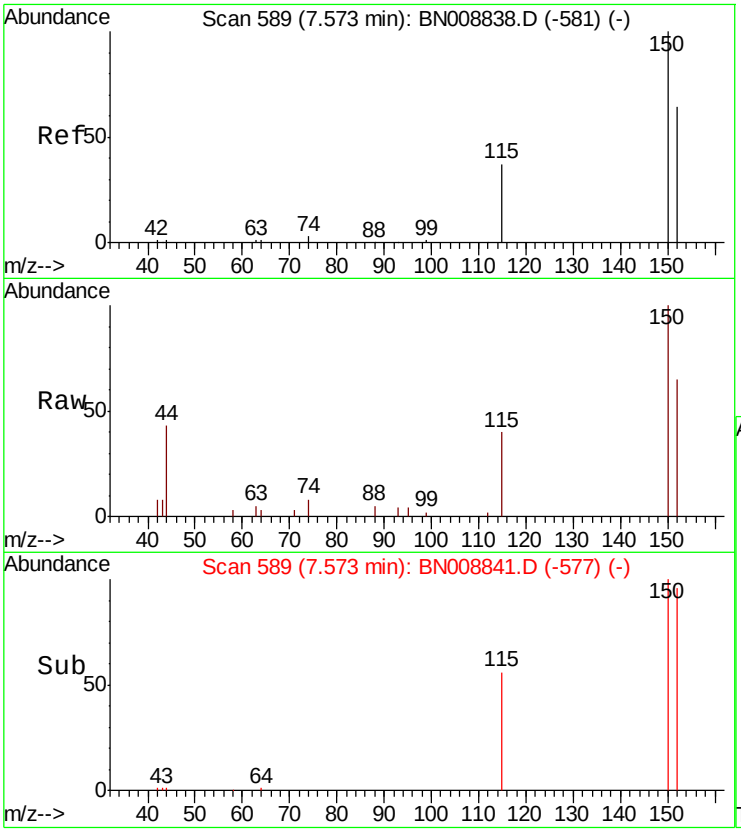
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Quant Time: Dec 04 15:42:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN120419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 04 14:04:21 2019
Response via : Initial Calibration



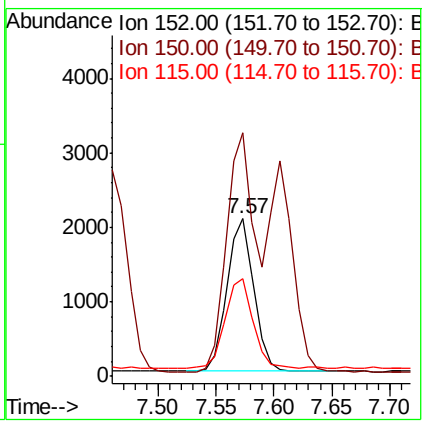


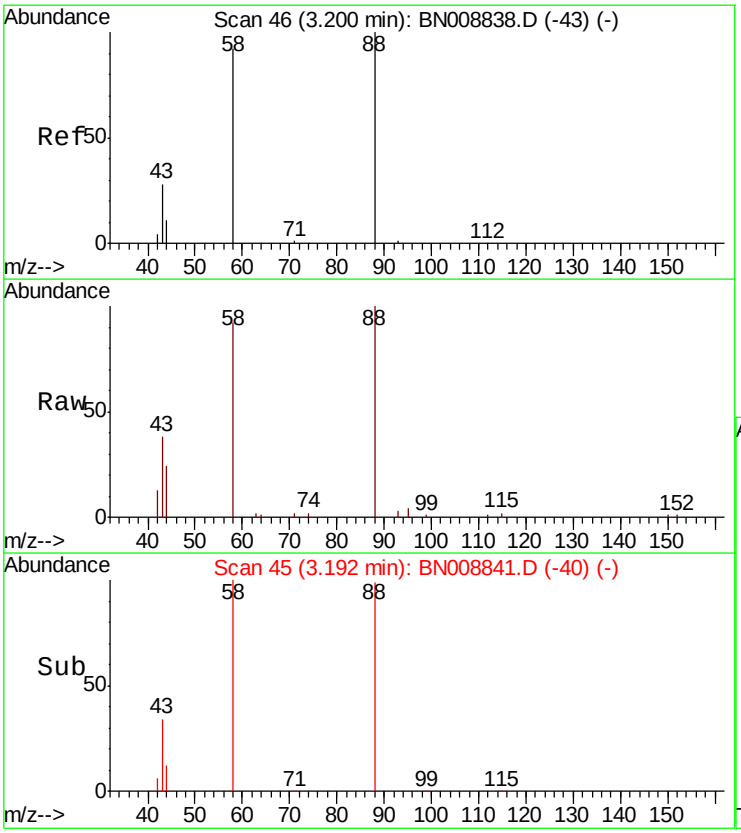
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.57 min Scan# 589
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 3278

Ion	Ratio	Lower	Upper
152	100		
150	154.4	123.9	185.9
115	62.0	49.9	74.9

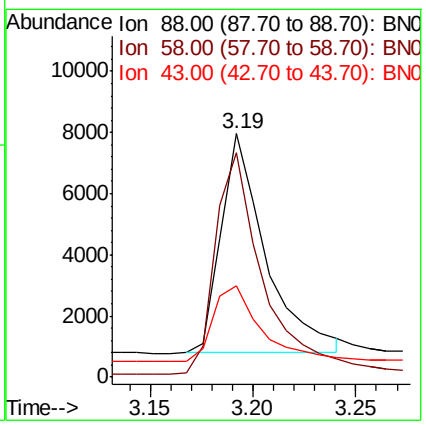


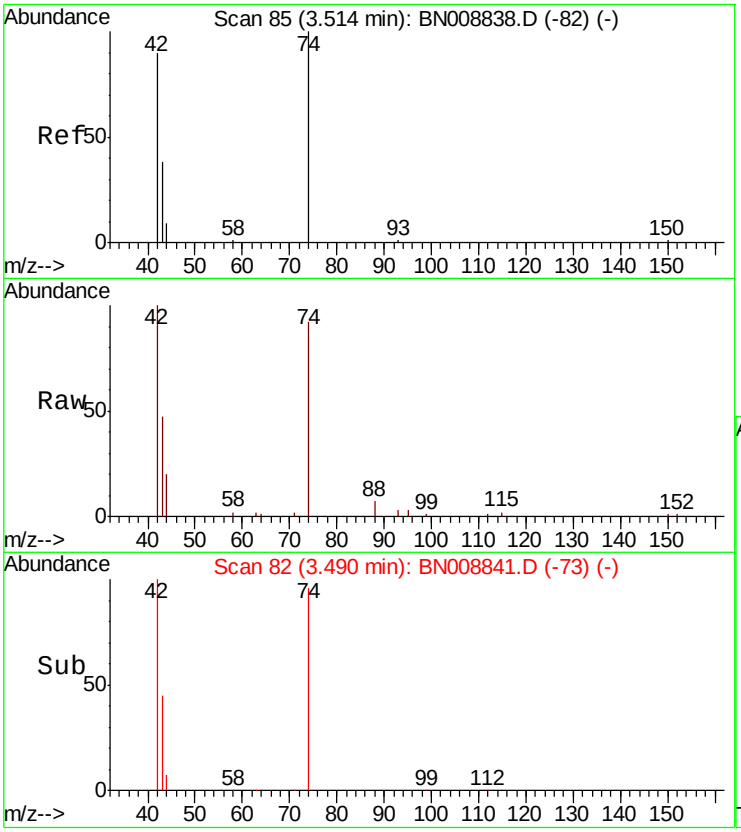


#2
1,4-Dioxane
Concen: 2.948 ng
RT: 3.19 min Scan# 45
Delta R.T. -0.01 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Tgt Ion: 88 Resp: 10770

Ion	Ratio	Lower	Upper
88	100		
58	105.3	0.0	0.0#
43	37.0	0.0	0.0#



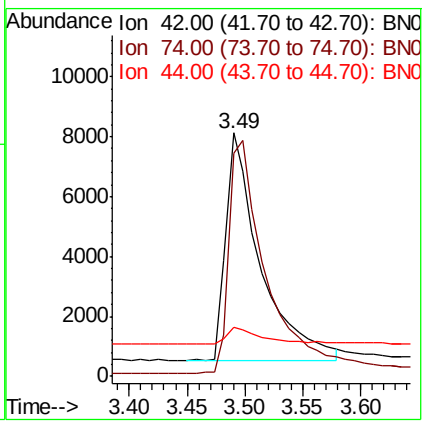


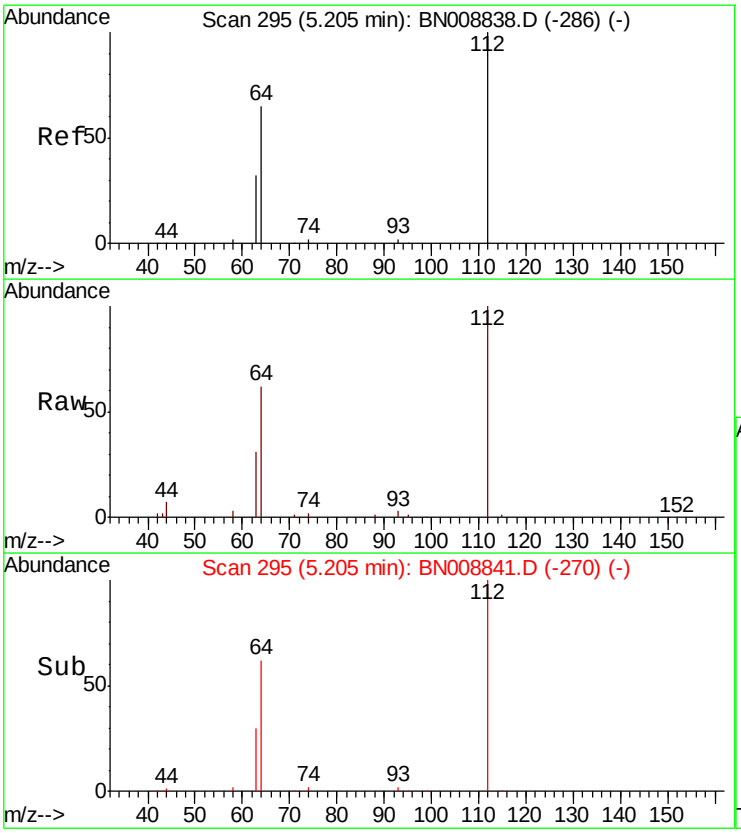
#3
n-Nitrosodimethylamine
Concen: 9.383 ng
RT: 3.49 min Scan# 82
Delta R.T. -0.02 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 42 Resp: 15702

Ion	Ratio	Lower	Upper
42	100		
74	110.0	0.0	0.0#
44	8.0	0.0	0.0#

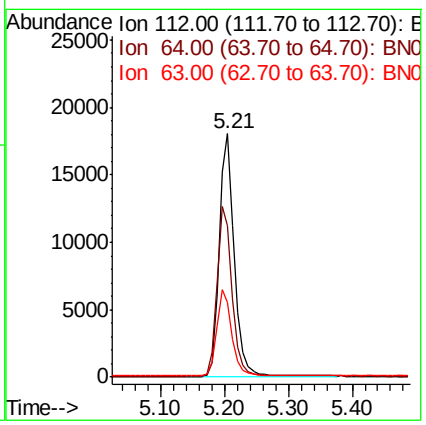


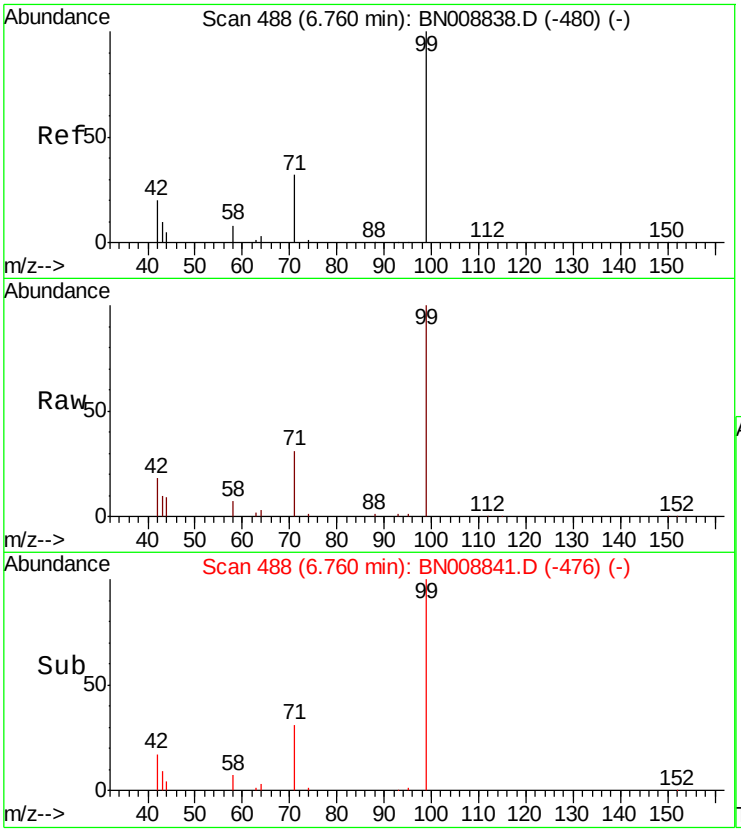


#4
2-Fluorophenol
Concen: 2.569 ng
RT: 5.21 min Scan# 295
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Tgt Ion:112 Resp: 28989

Ion	Ratio	Lower	Upper
112	100		
64	70.7	56.3	84.5
63	35.7	28.2	42.2



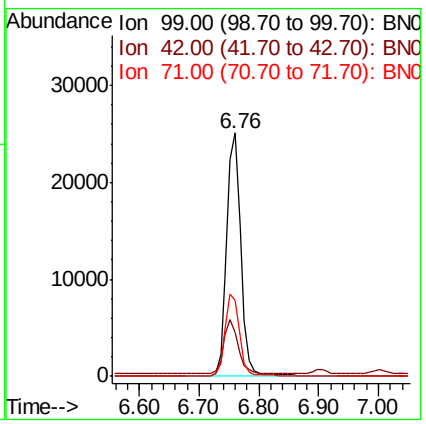


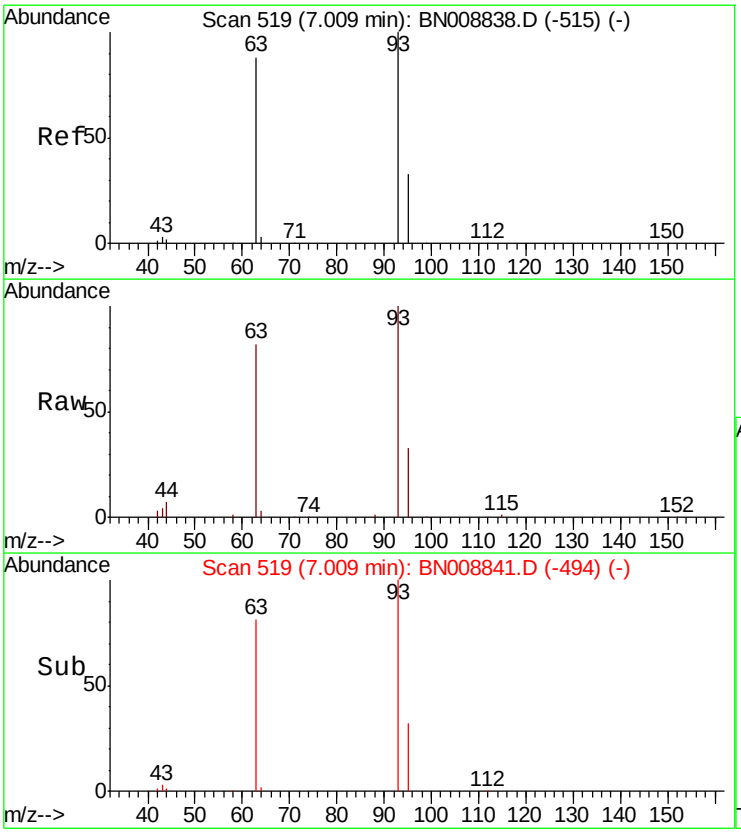
#5
Phenol-d6
Concen: 2.536 ng
RT: 6.76 min Scan# 488
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion: 99 Resp: 40770

Ion	Ratio	Lower	Upper
99	100		
42	22.6	18.1	27.1
71	33.9	26.6	40.0

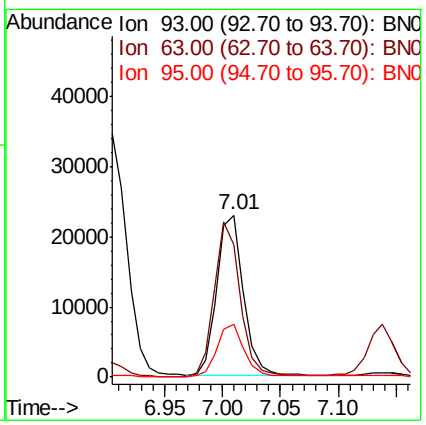


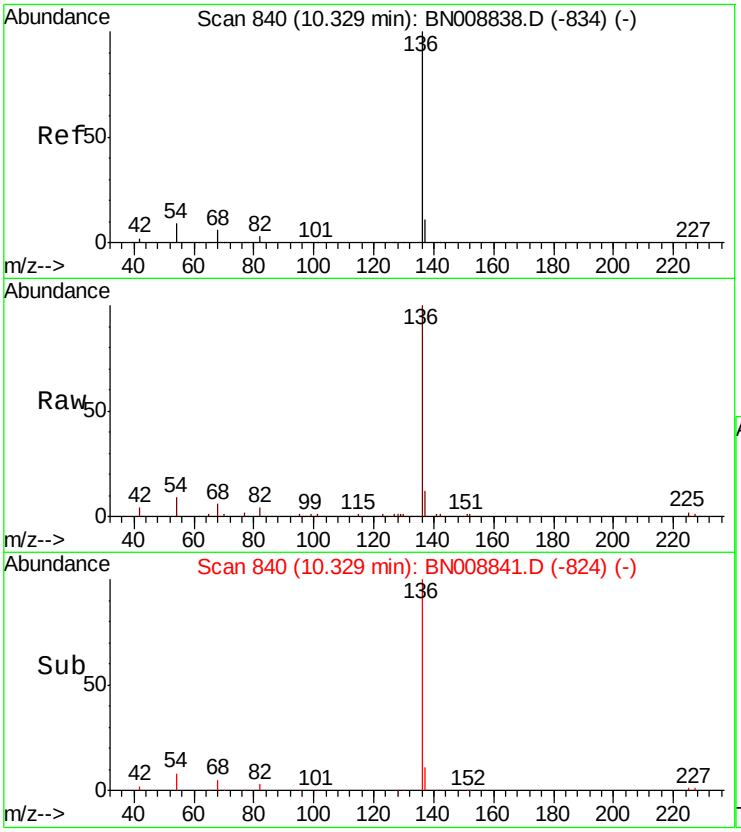


#6
bis(2-Chloroethyl)ether
Concen: 3.930 ng
RT: 7.01 min Scan# 519
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Tgt Ion: 93 Resp: 36473

Ion	Ratio	Lower	Upper
93	100		
63	93.8	72.1	108.1
95	32.5	25.7	38.5



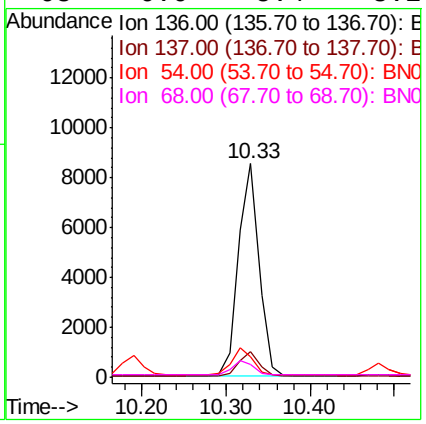


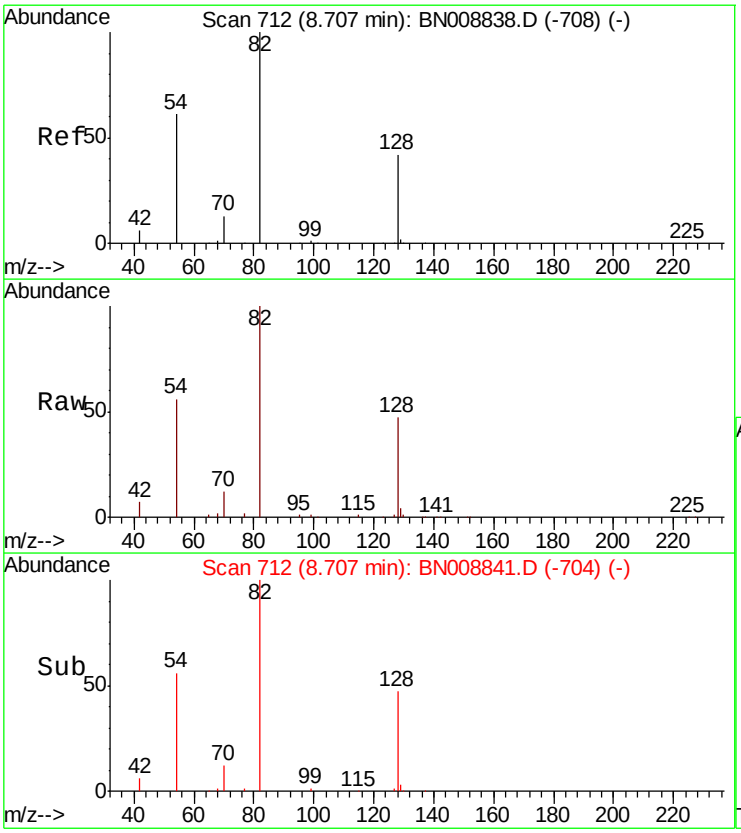
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.33 min Scan# 840
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:136 Resp: 14374

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.1	13.7
54	9.3	8.2	12.2
68	6.0	5.4	8.2

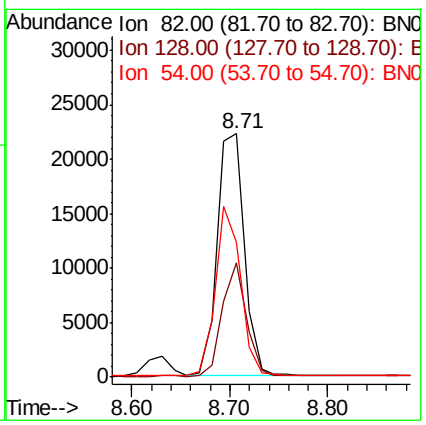


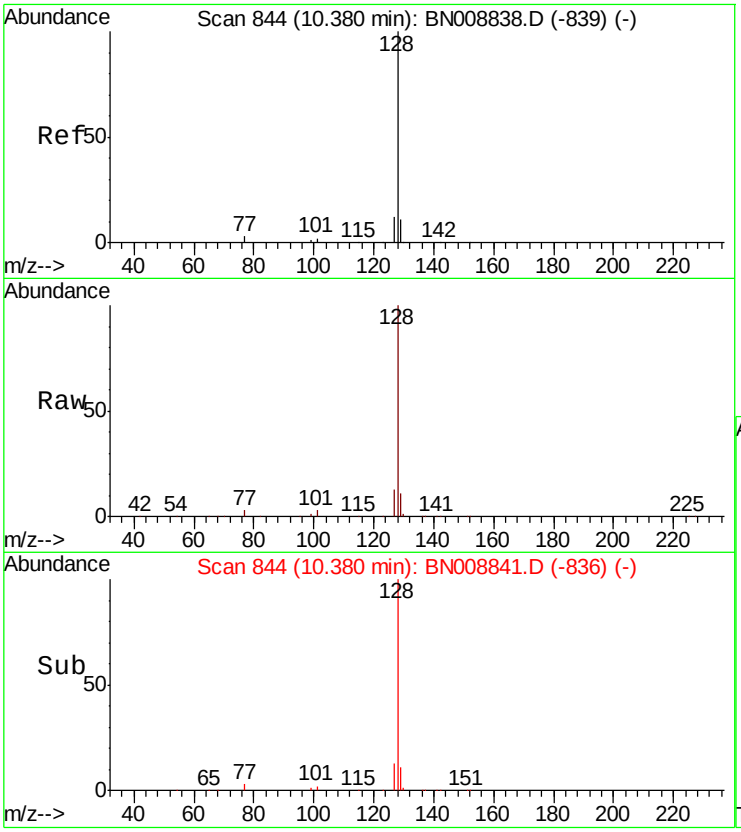


#8
Nitrobenzene-d5
Concen: 3.383 ng
RT: 8.71 min Scan# 712
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Tgt Ion: 82 Resp: 42529

Ion	Ratio	Lower	Upper
82	100		
128	46.9	35.0	52.6
54	55.5	50.2	75.2



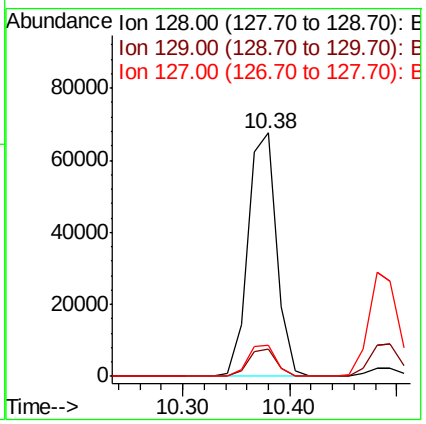


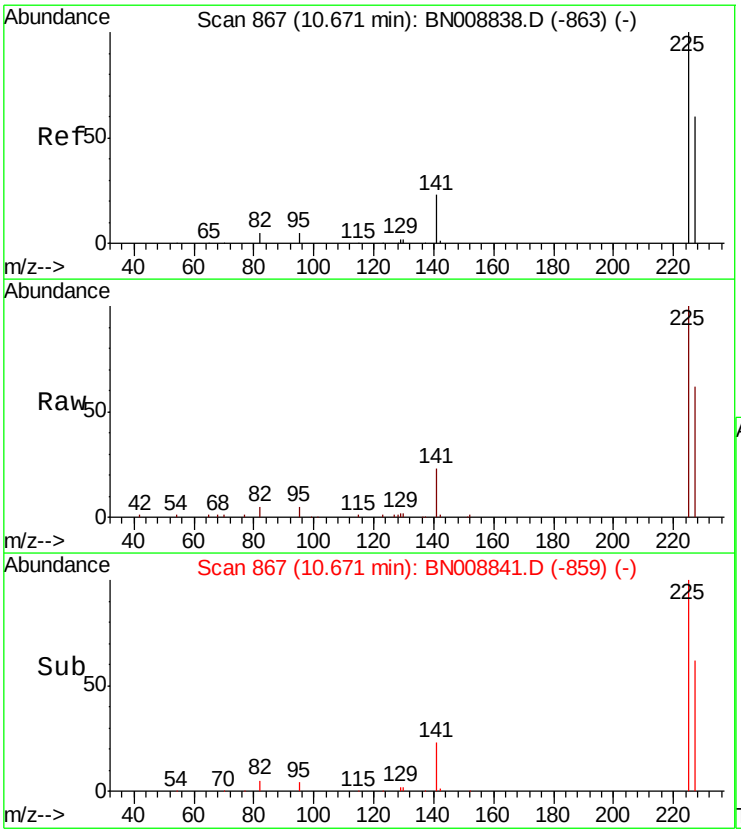
#9
Naphthalene
Concen: 3.126 ng
RT: 10.38 min Scan# 844
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:128 Resp: 126080

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.3	13.9
127	12.7	10.5	15.7

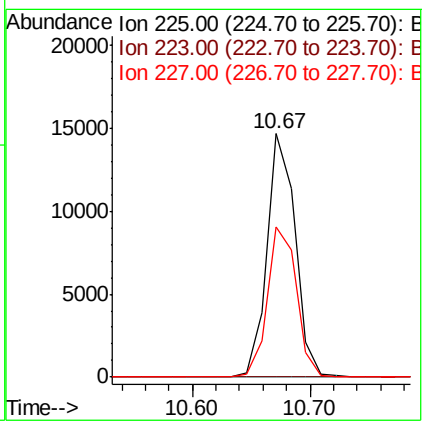


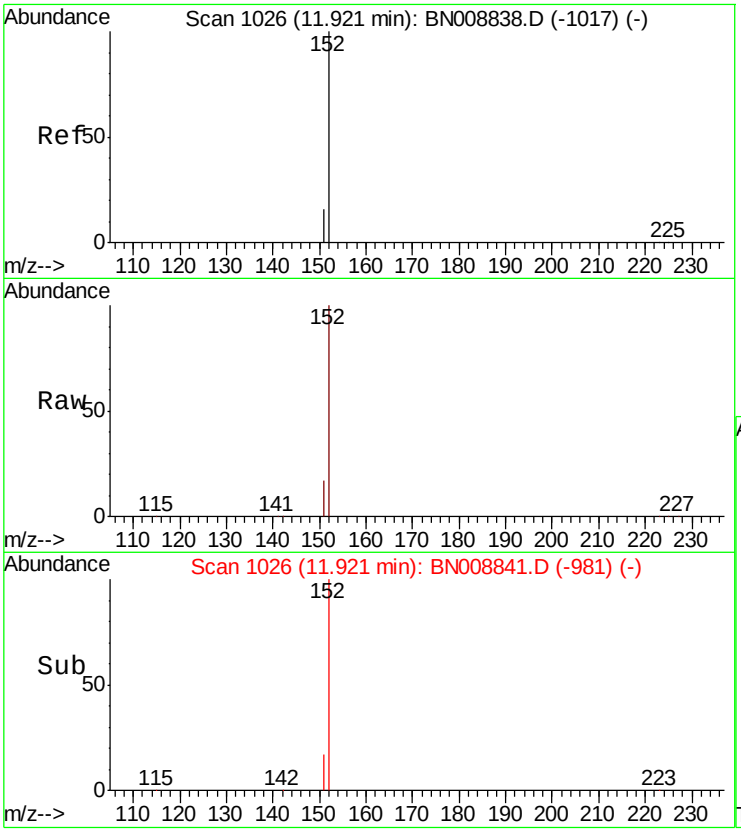


#10
Hexachlorobutadiene
Concen: 2.878 ng
RT: 10.67 min Scan# 867
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Tgt Ion:225 Resp: 24451

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	50.9	76.3



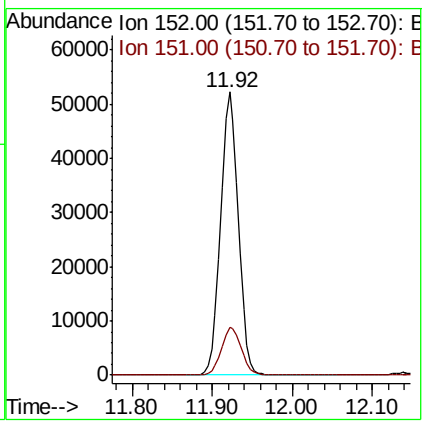


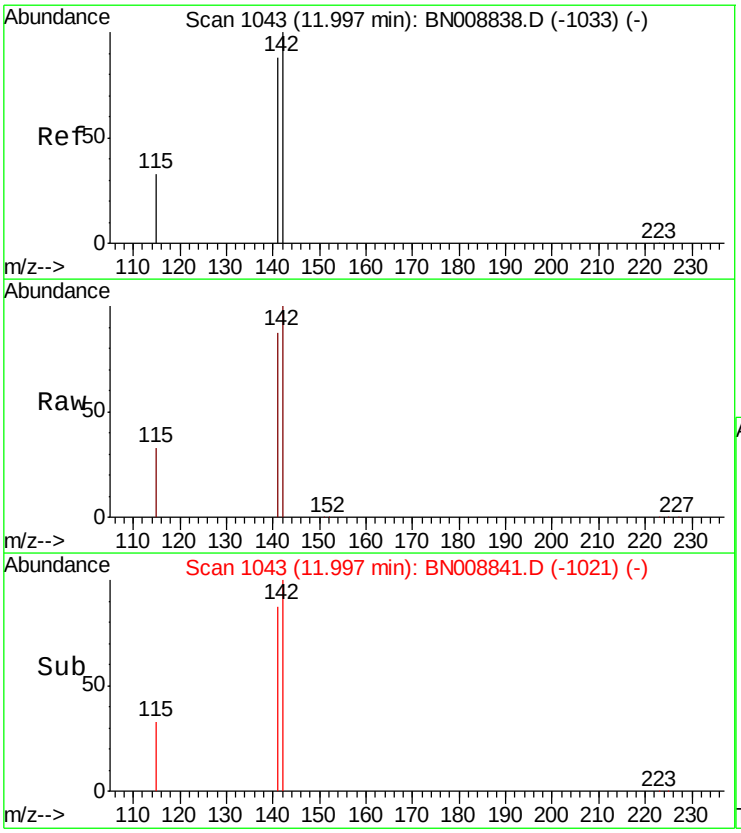
#11
2-Methylnaphthalene-d10
Concen: 3.313 ng
RT: 11.92 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 80232

Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.2	22.8

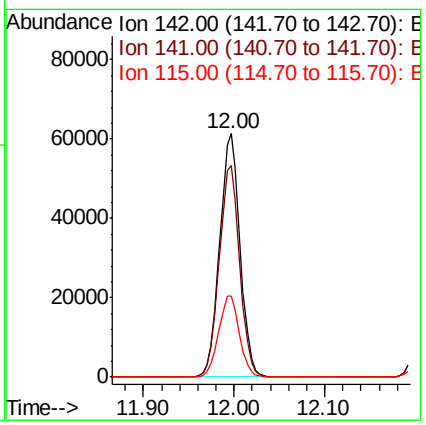


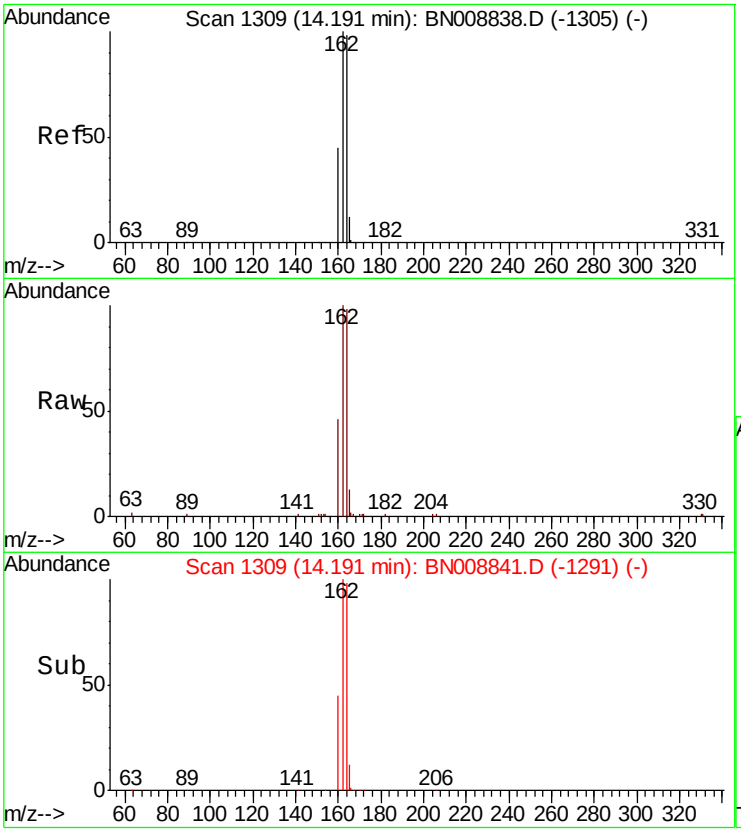


#12
2-Methylnaphthalene
Concen: 3.468 ng
RT: 12.00 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Tgt Ion:142 Resp: 94544

Ion	Ratio	Lower	Upper
142	100		
141	86.8	70.2	105.4
115	33.2	27.6	41.4



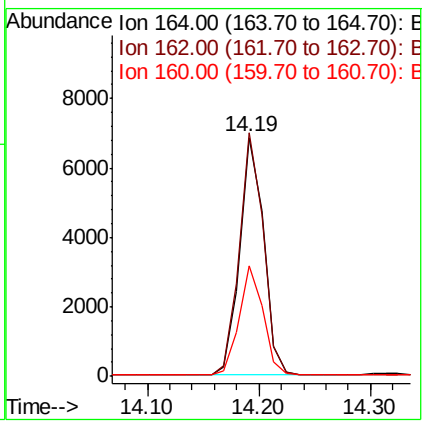


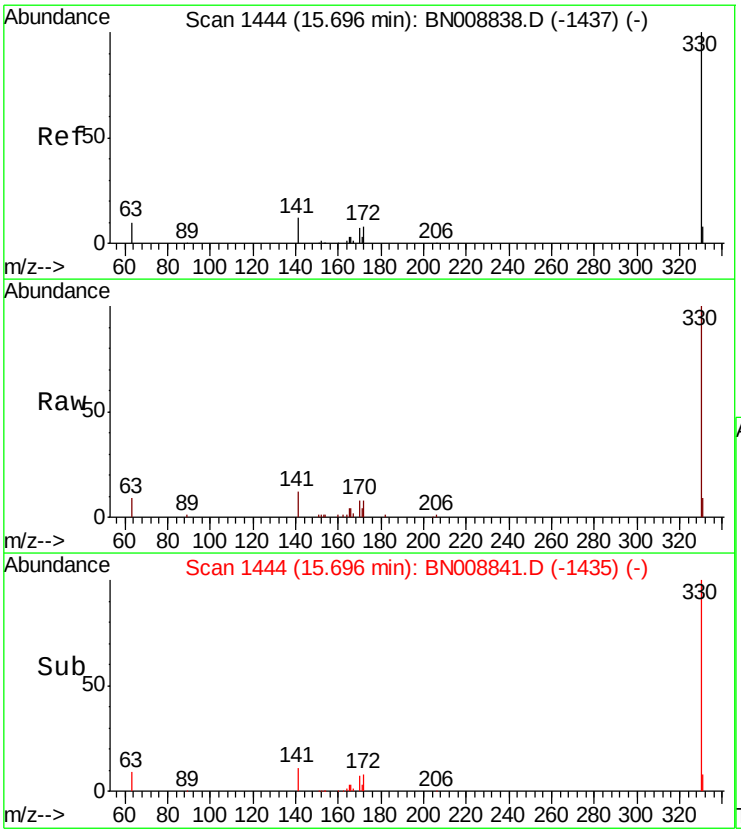
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.19 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:164 Resp: 10055

Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.9	122.9
160	46.6	37.4	56.2

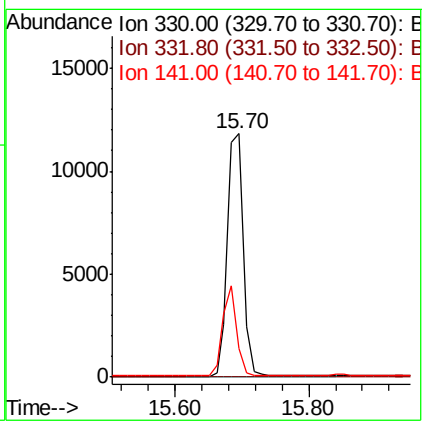


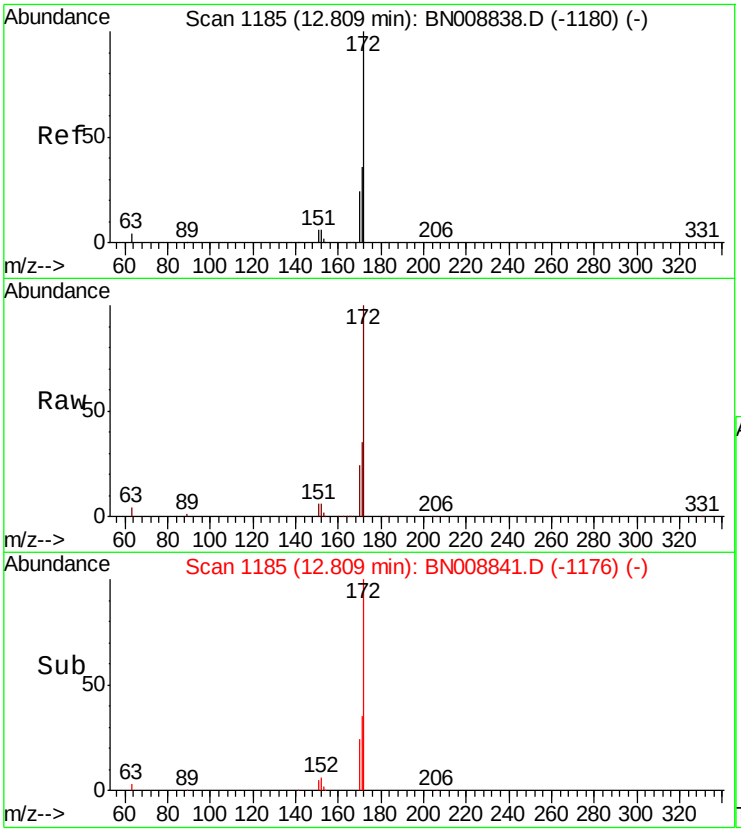


#14
2,4,6-Tribromophenol
Concen: 3.507 ng
RT: 15.70 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Tgt Ion:330 Resp: 19205

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	32.7	26.2	39.4



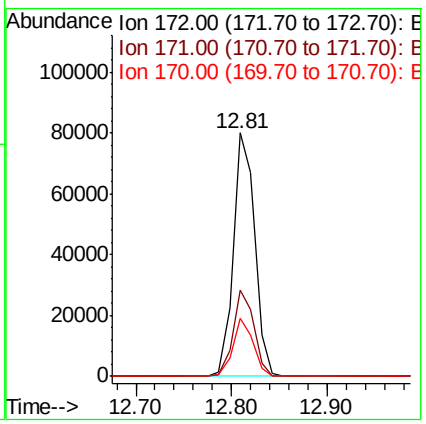


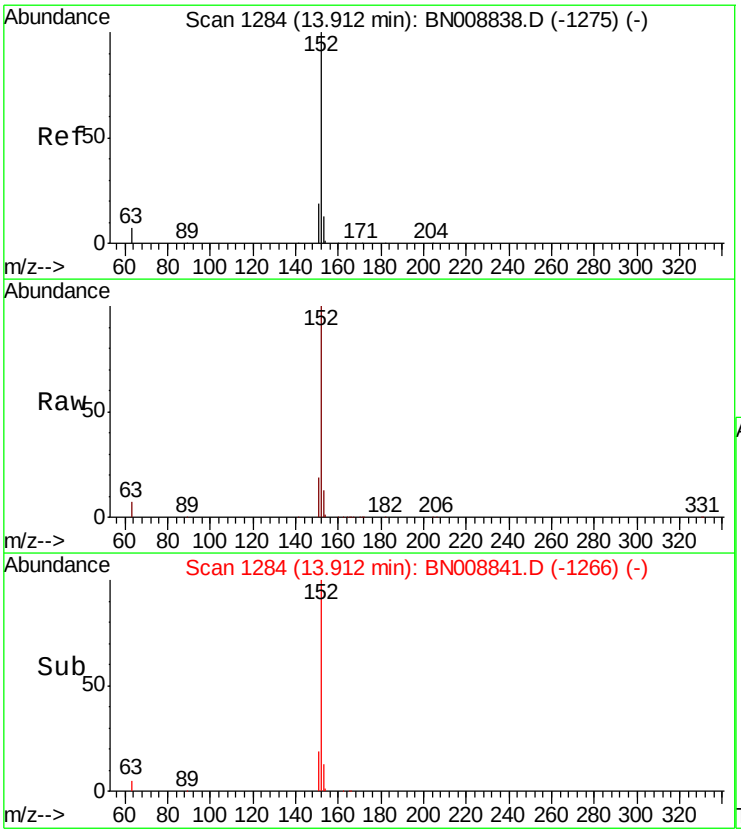
#15
2-Fluorobiphenyl
Concen: 3.001 ng
RT: 12.81 min Scan# 1185
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:172 Resp: 124303

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.9	43.3
170	23.6	19.7	29.5

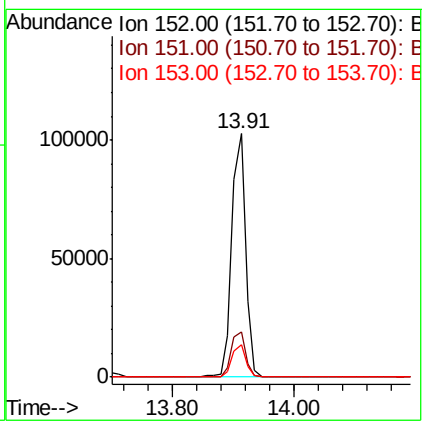


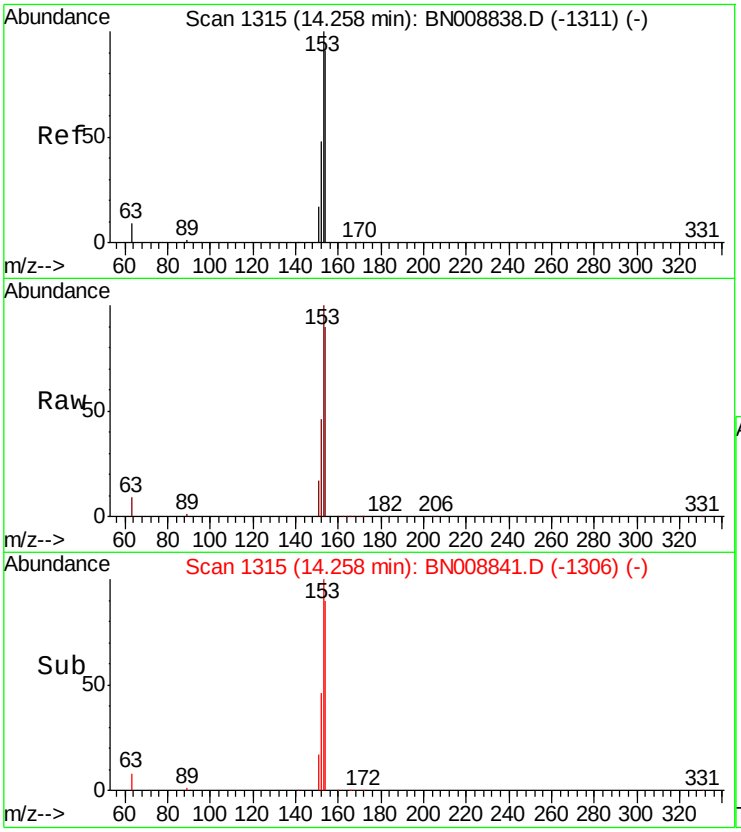


#16
Acenaphthylene
Concen: 3.043 ng
RT: 13.91 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Tgt Ion:152 Resp: 162265

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2
153	13.0	10.4	15.6



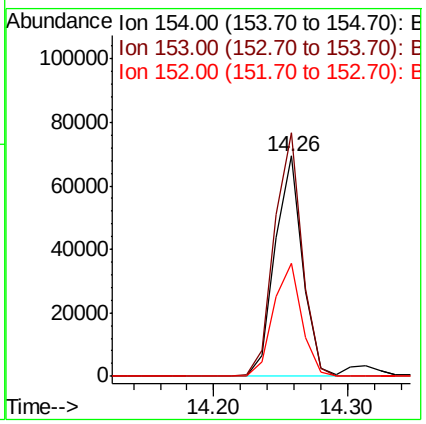


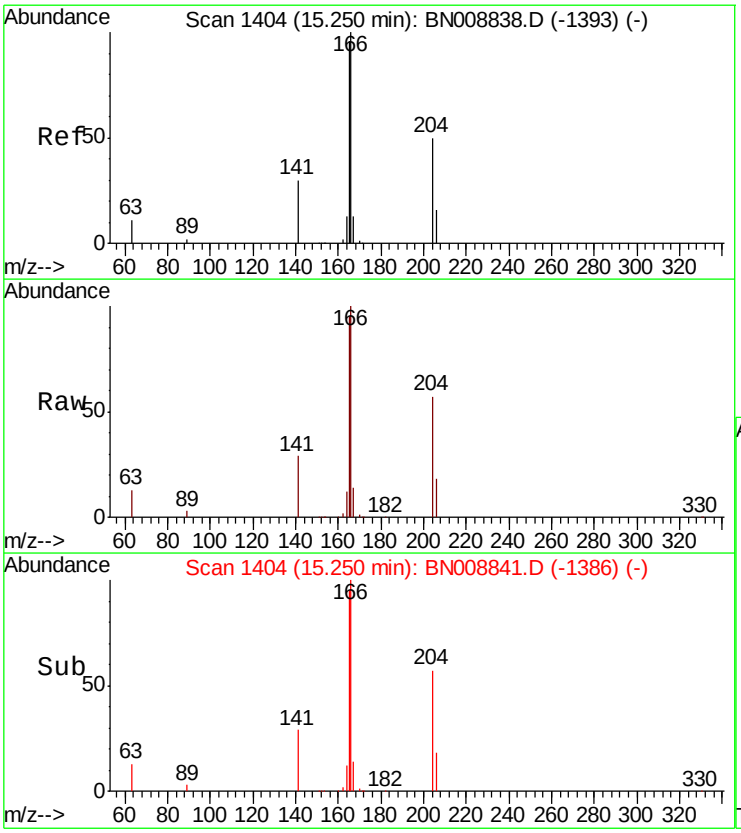
#17
Acenaphthene
Concen: 2.900 ng
RT: 14.26 min Scan# 1315
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:154 Resp: 99712

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.4	134.2
152	53.1	43.8	65.8

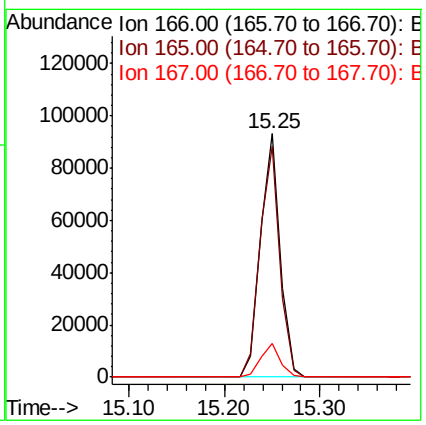


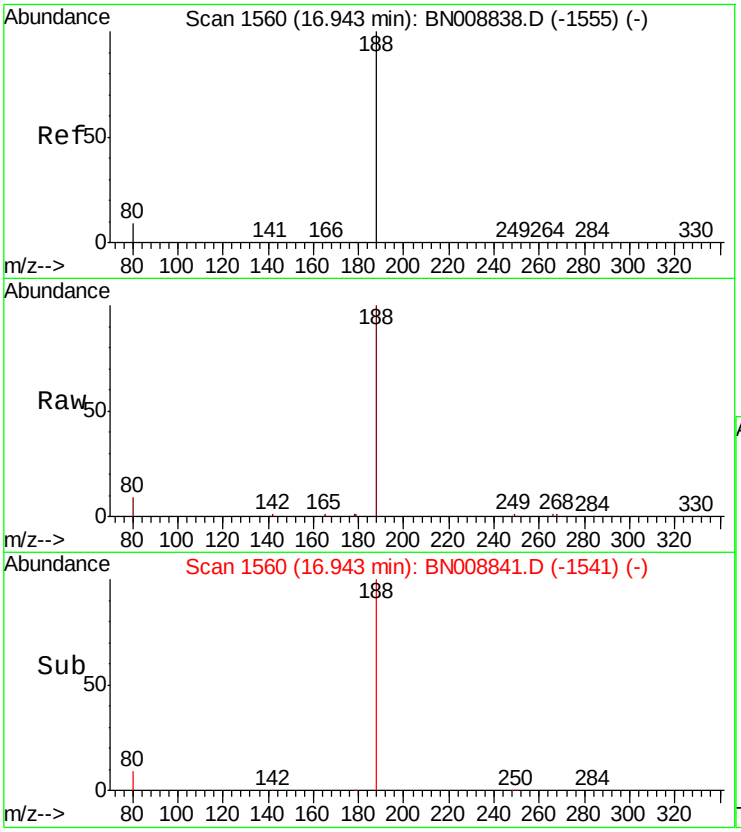


#18
Fluorene
Concen: 3.011 ng
RT: 15.25 min Scan# 1404
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Tgt Ion:166 Resp: 132686

Ion	Ratio	Lower	Upper
166	100		
165	96.3	77.0	115.6
167	13.5	10.8	16.2



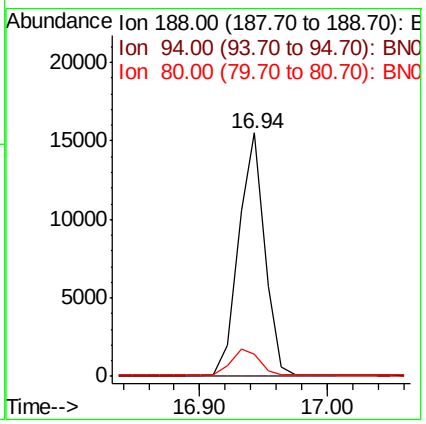


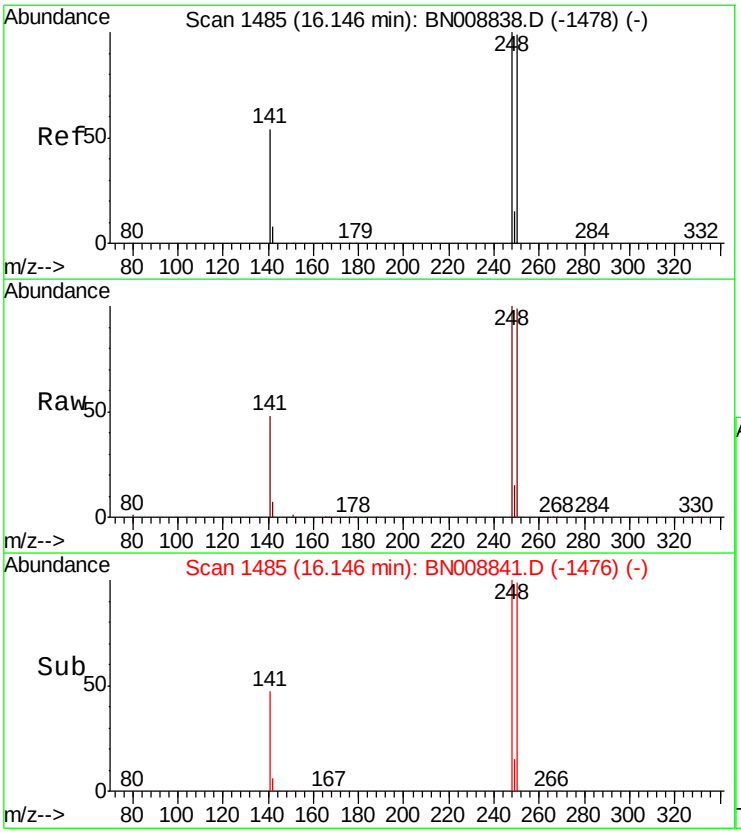
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.94 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:188 Resp: 21924

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.1	7.4	11.2

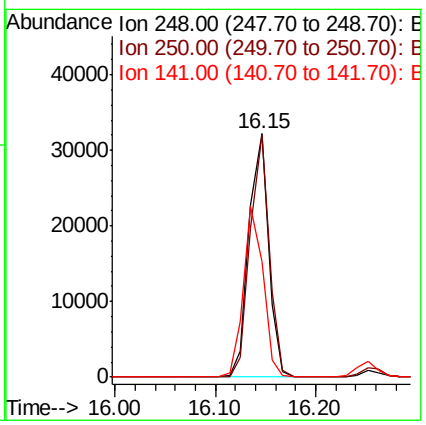


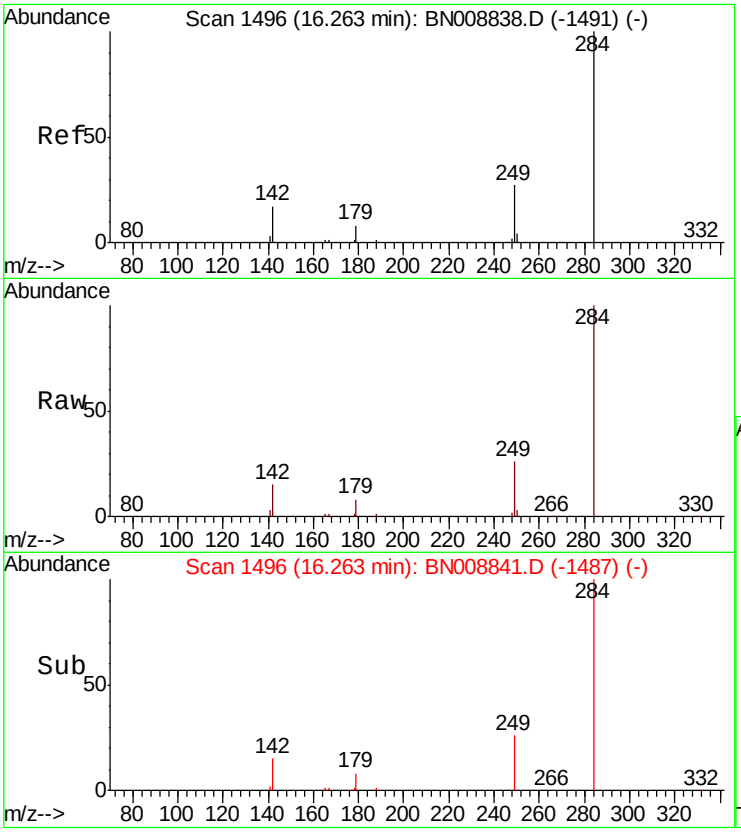


#20
4-Bromophenyl-phenylether
Concen: 3.291 ng
RT: 16.15 min Scan# 1485
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Tgt Ion:248 Resp: 43796

Ion	Ratio	Lower	Upper
248	100		
250	99.3	79.7	119.5
141	47.6	44.7	67.1



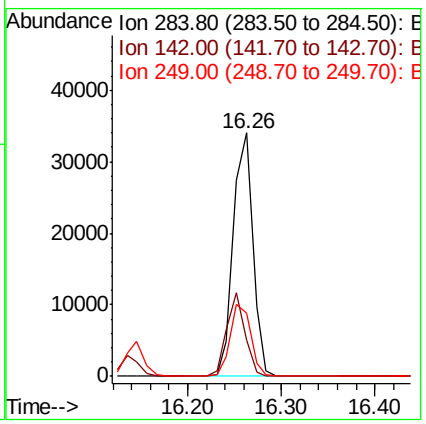


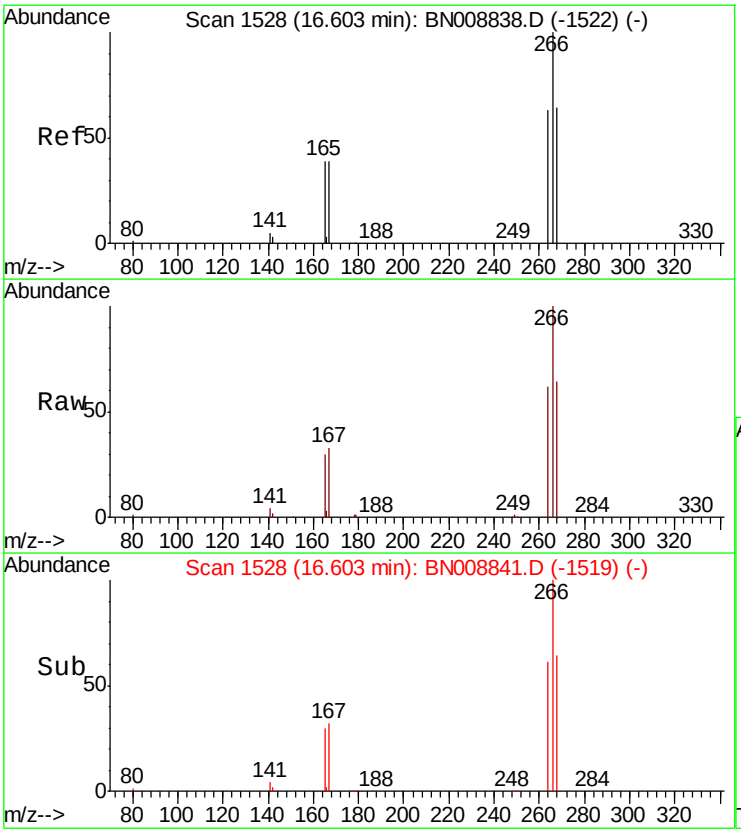
#21
Hexachlorobenzene
Concen: 3.373 ng
RT: 16.26 min Scan# 1496
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:284 Resp: 49076

Ion	Ratio	Lower	Upper
284	100		
142	31.7	25.4	38.0
249	30.7	24.3	36.5

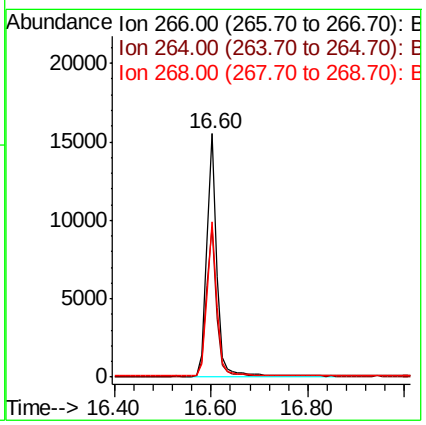


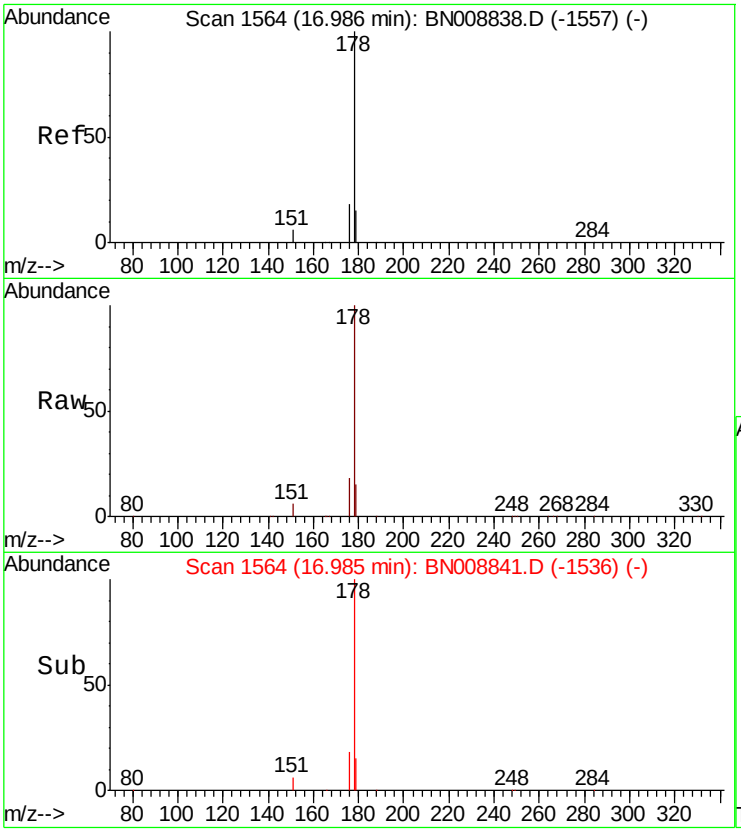


#22
Pentachlorophenol
Concen: 4.199 ng
RT: 16.60 min Scan# 1528
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Tgt Ion:266 Resp: 22526

Ion	Ratio	Lower	Upper
266	100		
264	61.6	51.0	76.4
268	63.8	53.7	80.5



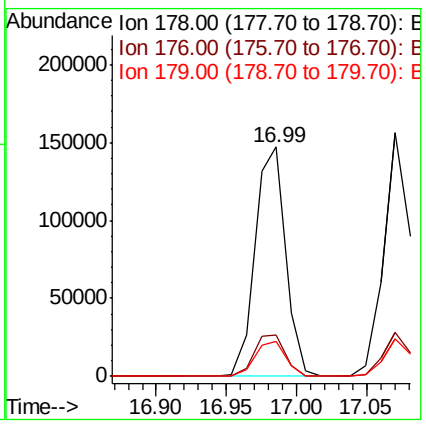


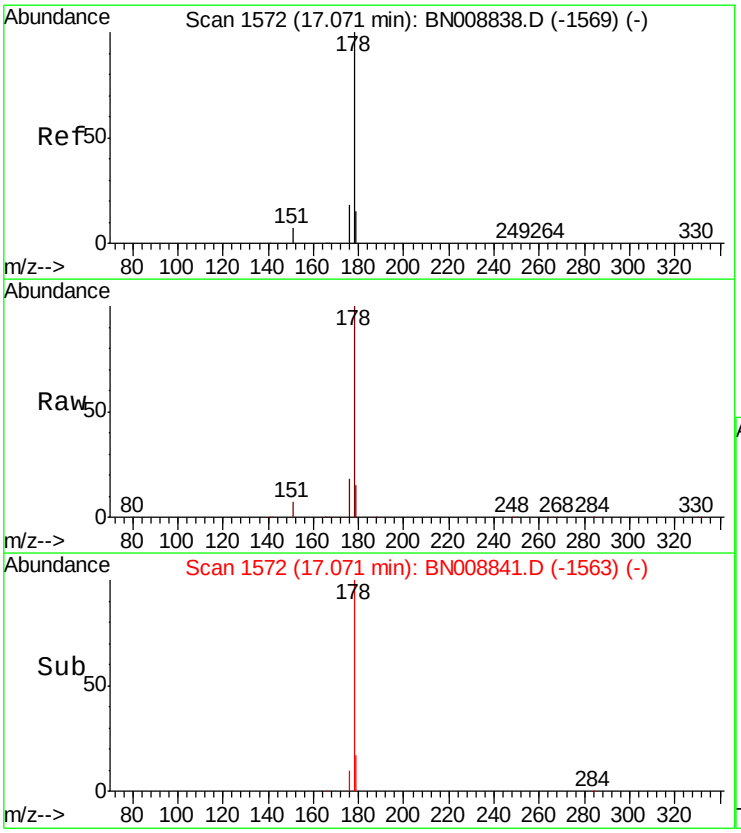
#23
Phenanthrene
Concen: 3.269 ng
RT: 16.99 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:178 Resp: 223291

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.3	12.2	18.2

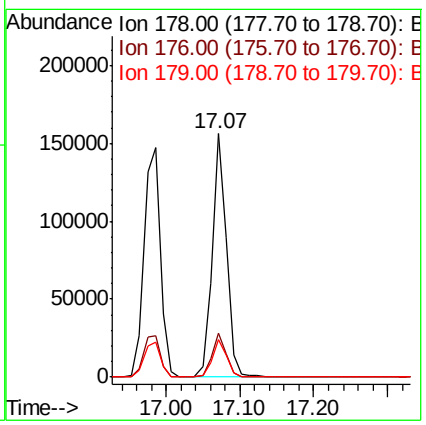


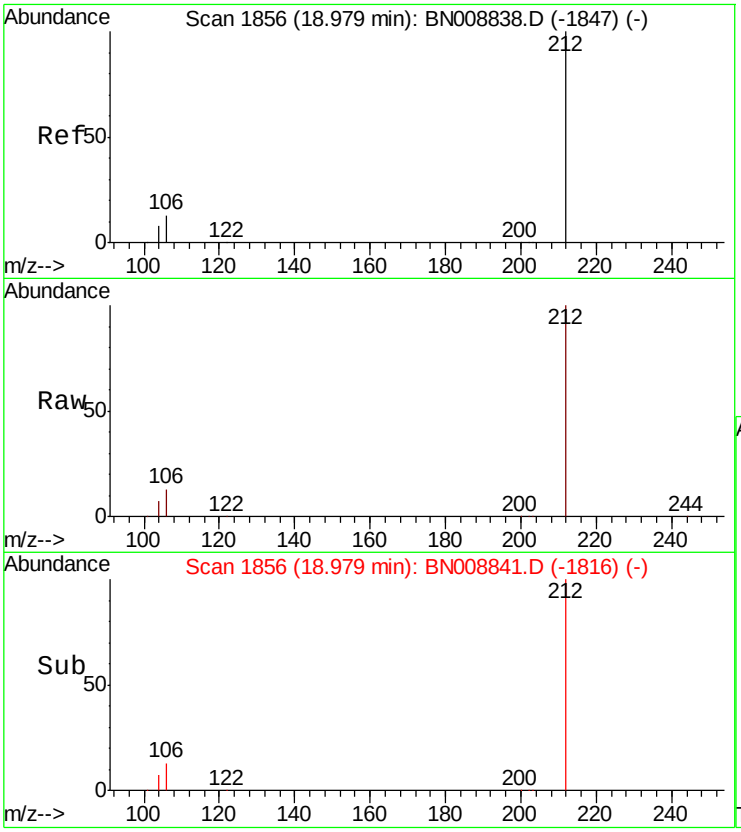


#24
Anthracene
Concen: 3.421 ng
RT: 17.07 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Tgt Ion:178 Resp: 211038

Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.3	21.5
179	15.4	12.2	18.2



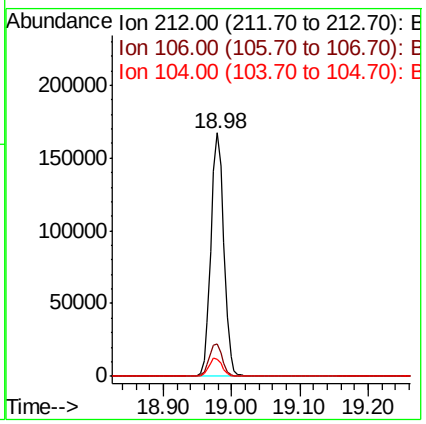


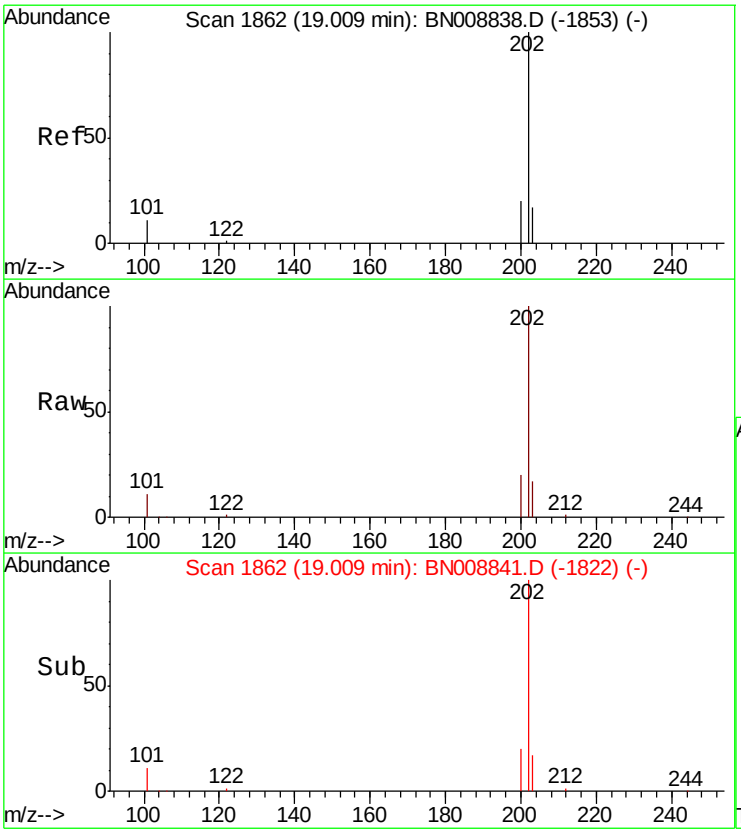
#25
Fluoranthene-d10
Concen: 3.011 ng
RT: 18.98 min Scan# 1856
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:212 Resp: 222454

Ion	Ratio	Lower	Upper
212	100		
106	13.5	10.7	16.1
104	7.6	6.1	9.1

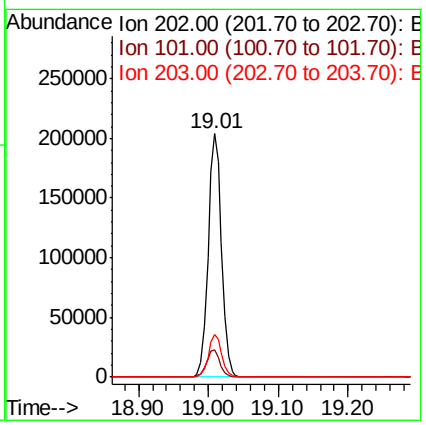


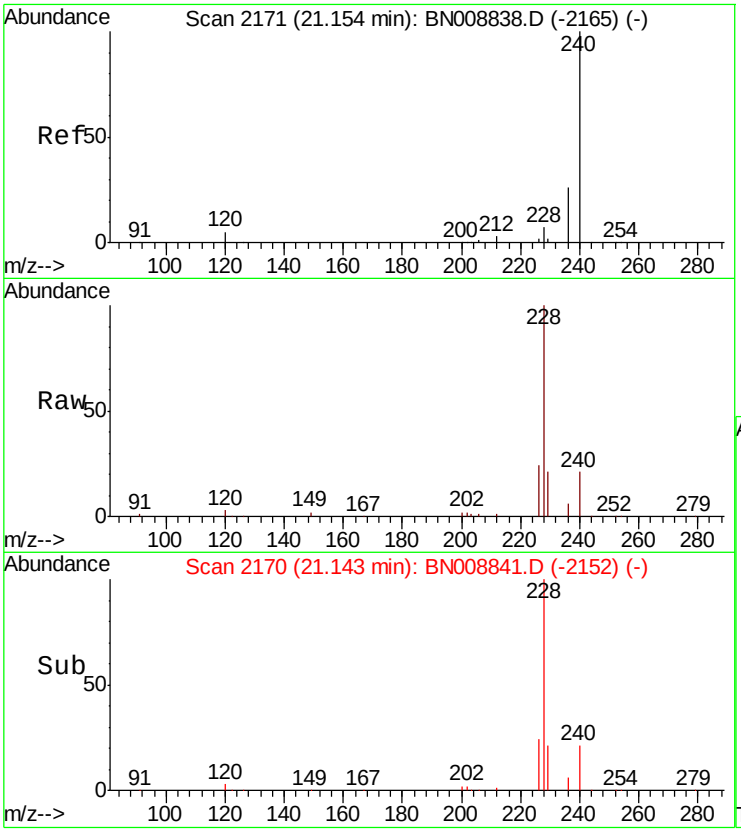


#26
Fluoranthene
Concen: 3.166 ng
RT: 19.01 min Scan# 1862
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Tgt Ion:202 Resp: 268890

Ion	Ratio	Lower	Upper
202	100		
101	11.5	9.3	13.9
203	17.3	13.7	20.5



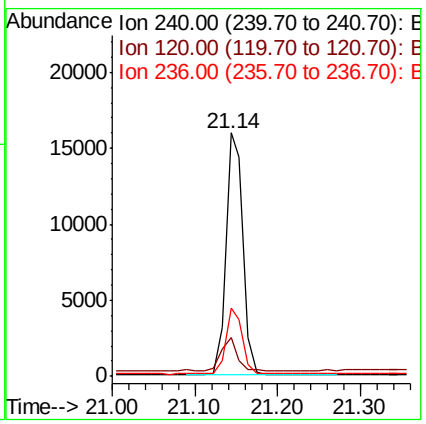


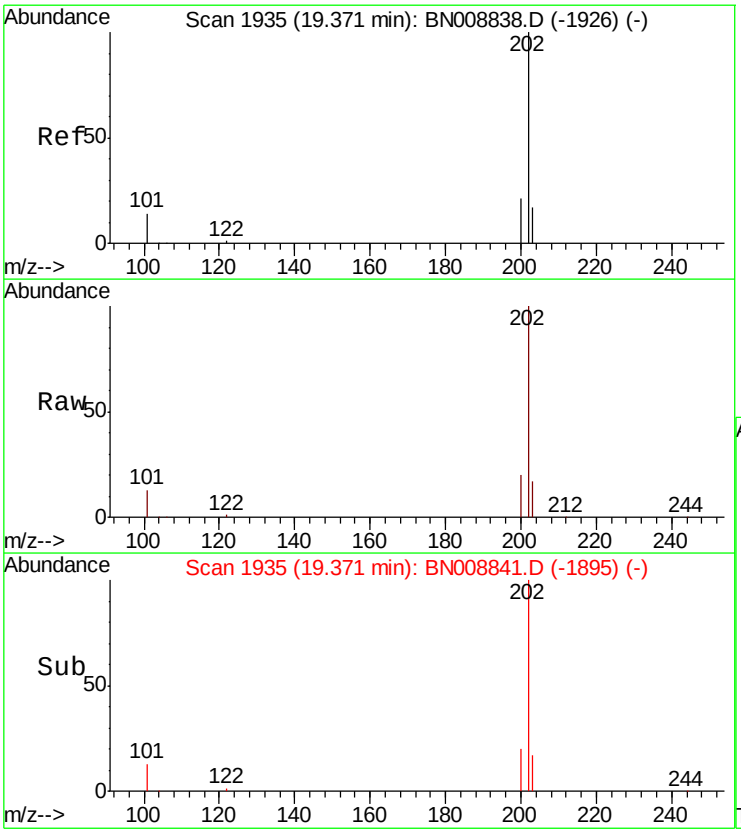
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.14 min Scan# 2170
Delta R.T. -0.01 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:240 Resp: 23179

Ion	Ratio	Lower	Upper
240	100		
120	16.2	6.0	9.0#
236	28.0	21.4	32.0

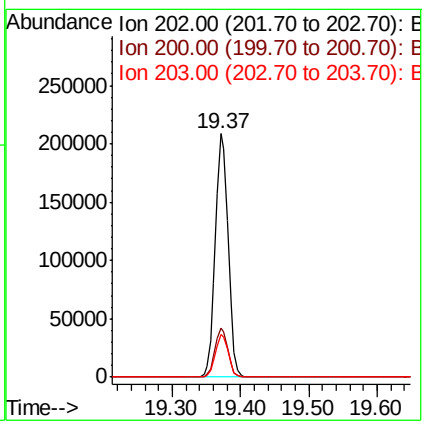


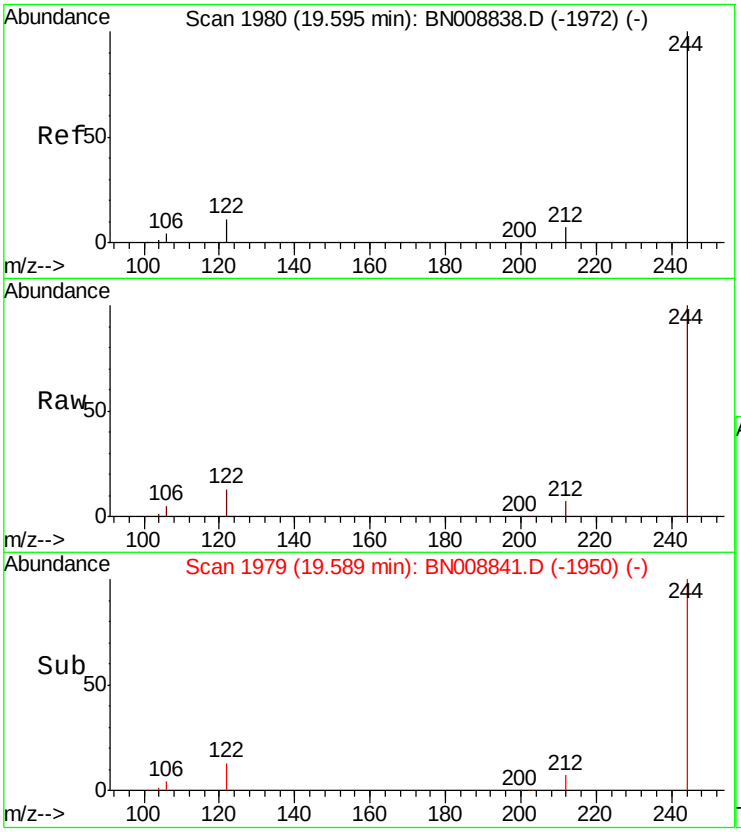


#28
Pyrene
Concen: 3.447 ng
RT: 19.37 min Scan# 1935
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Tgt Ion:202 Resp: 272516

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.2	24.2
203	17.4	14.2	21.2



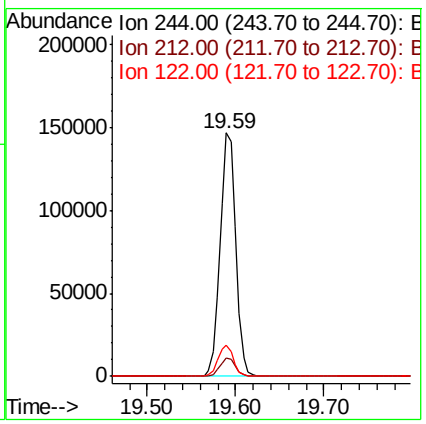


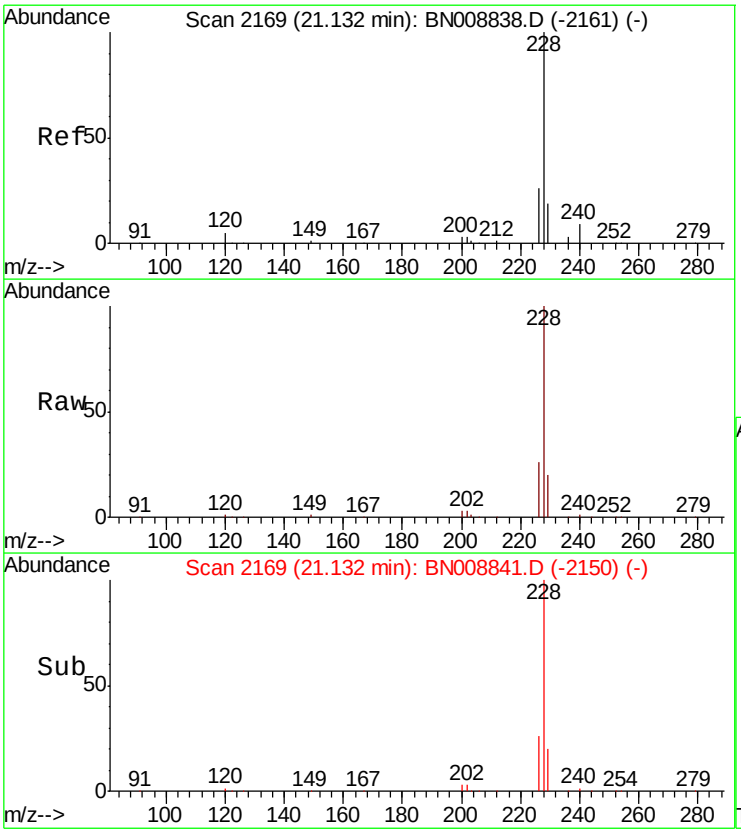
#29
Terphenyl-d14
Concen: 3.150 ng
RT: 19.59 min Scan# 1979
Delta R.T. -0.01 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:244 Resp: 179332

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.1	9.1
122	12.8	8.9	13.3

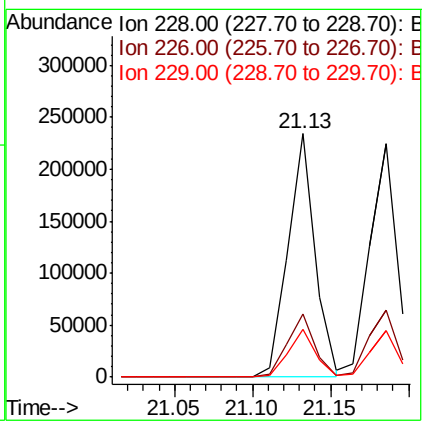


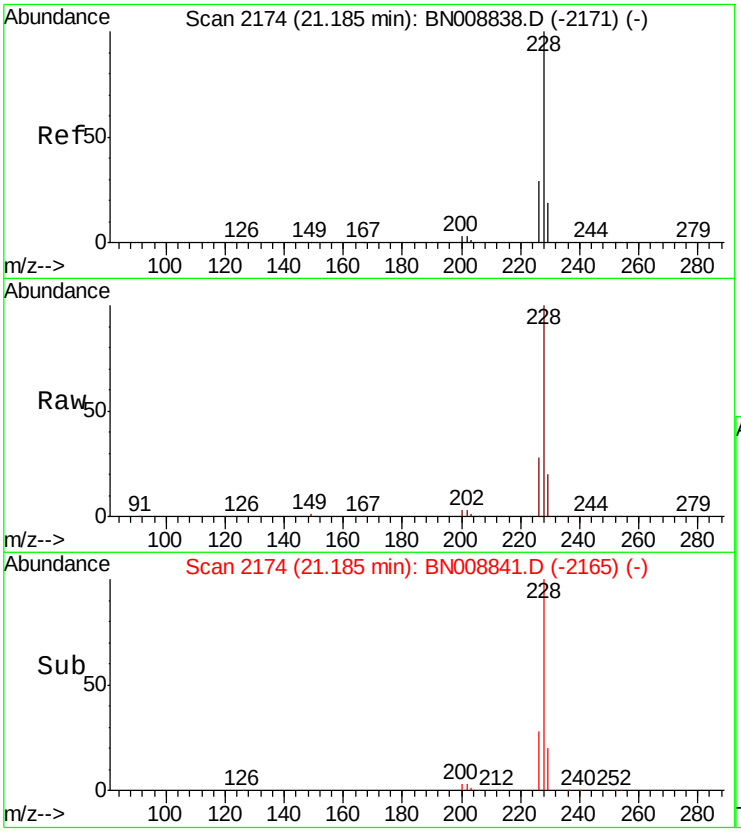


#30
Benzo(a)anthracene
Concen: 3.275 ng
RT: 21.13 min Scan# 2169
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Tgt Ion:228 Resp: 279574

Ion	Ratio	Lower	Upper
228	100		
226	26.0	20.8	31.2
229	19.7	15.9	23.9



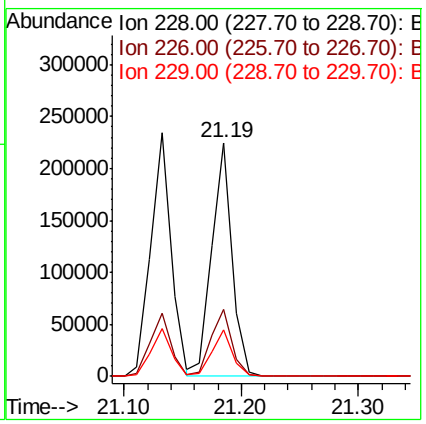


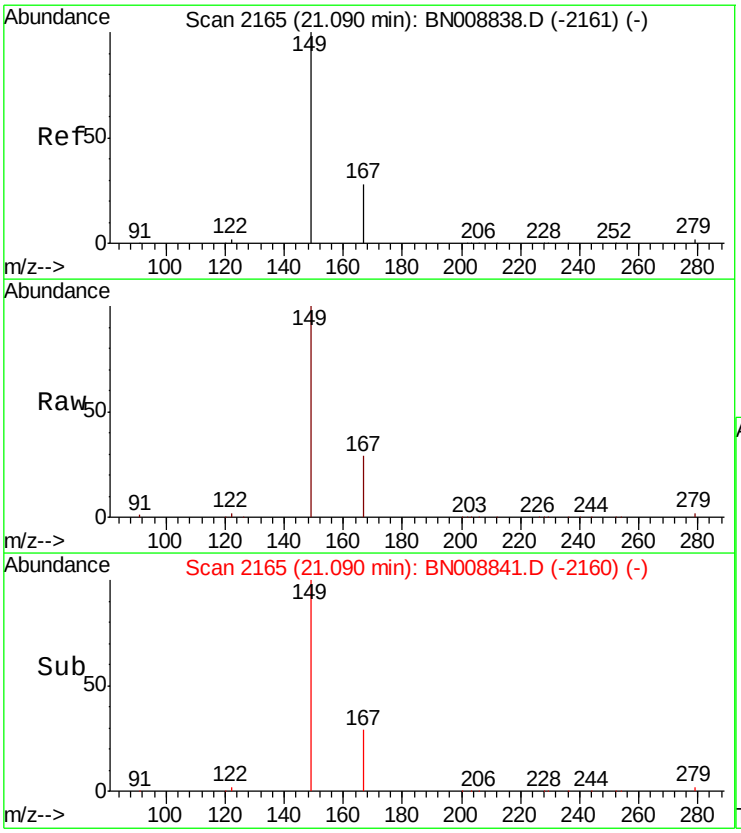
#31
Chrysene
Concen: 3.287 ng
RT: 21.19 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:228 Resp: 273447

Ion	Ratio	Lower	Upper
228	100		
226	28.4	23.1	34.7
229	19.8	15.8	23.8

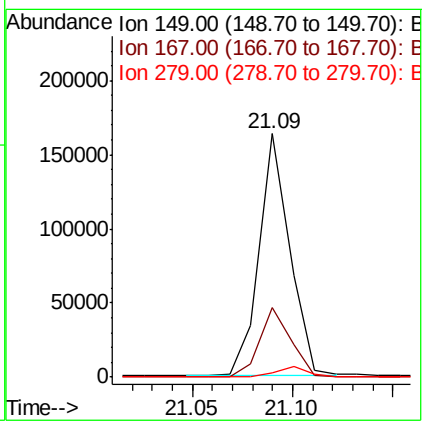


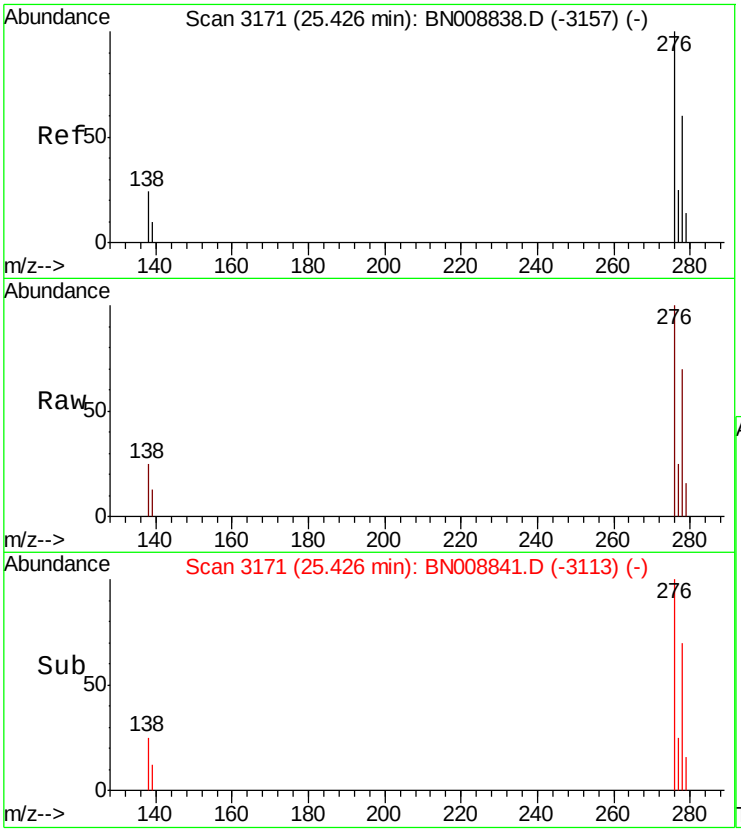


#32
Bis(2-ethylhexyl)phthalate
Concen: 3.918 ng
RT: 21.09 min Scan# 2165
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Tgt Ion:149 Resp: 171984

Ion	Ratio	Lower	Upper
149	100		
167	29.1	23.1	34.7
279	4.1	3.4	5.2



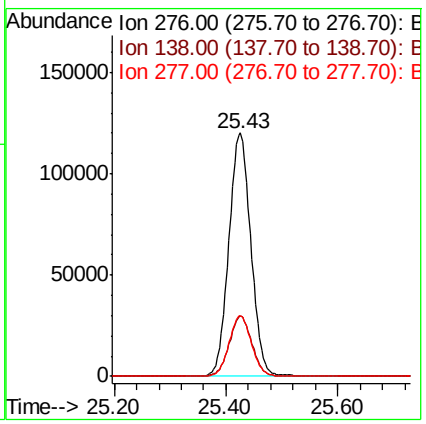


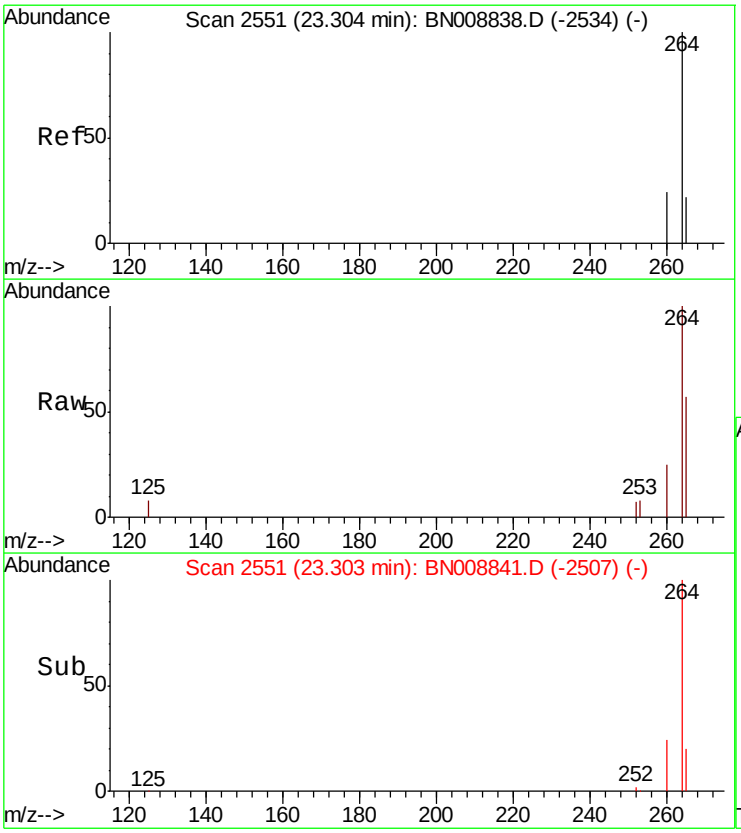
#33
Indeno(1,2,3-cd)pyrene
Concen: 3.132 ng
RT: 25.43 min Scan# 3171
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:276 Resp: 326170

Ion	Ratio	Lower	Upper
276	100		
138	25.2	20.2	30.2
277	24.9	19.8	29.6

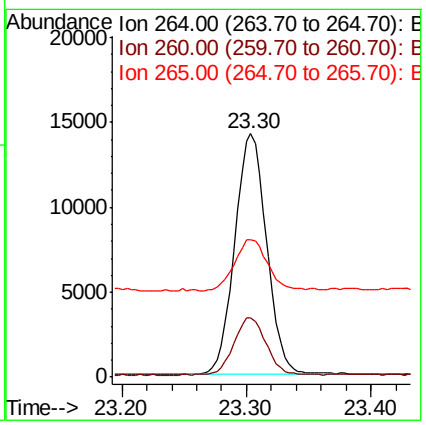


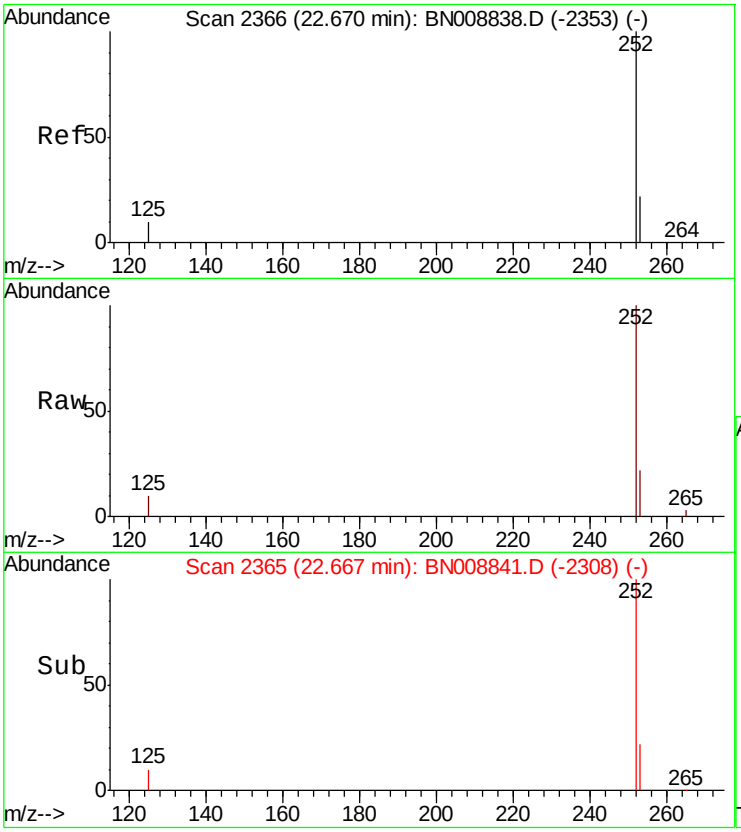


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.30 min Scan# 2551
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Tgt Ion:264 Resp: 25115

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.9	29.9
265	56.6	46.8	70.2



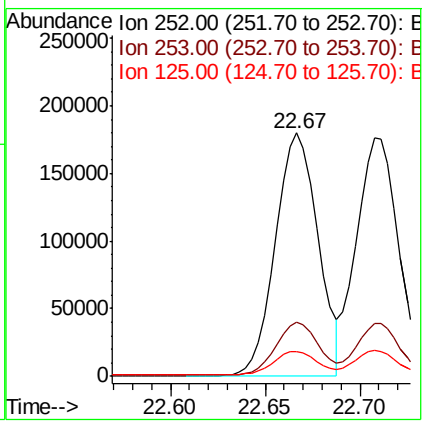


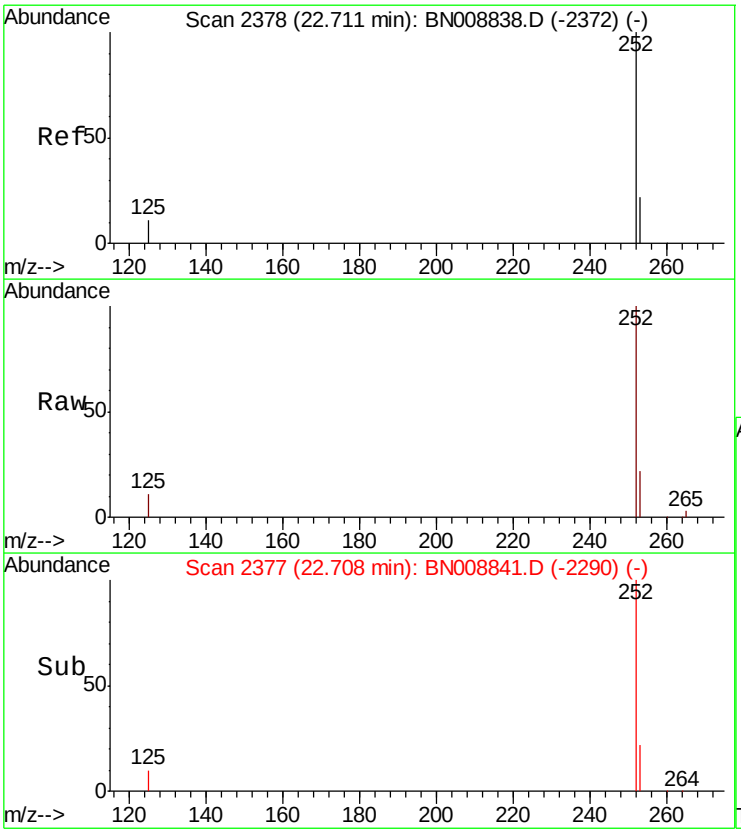
#35
Benzo(b)fluoranthene
Concen: 3.177 ng
RT: 22.67 min Scan# 2365
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 277032

Ion	Ratio	Lower	Upper
252	100		
253	22.2	20.6	31.0
125	10.3	12.3	18.5#

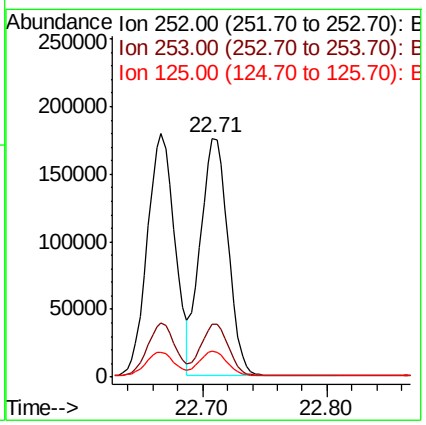


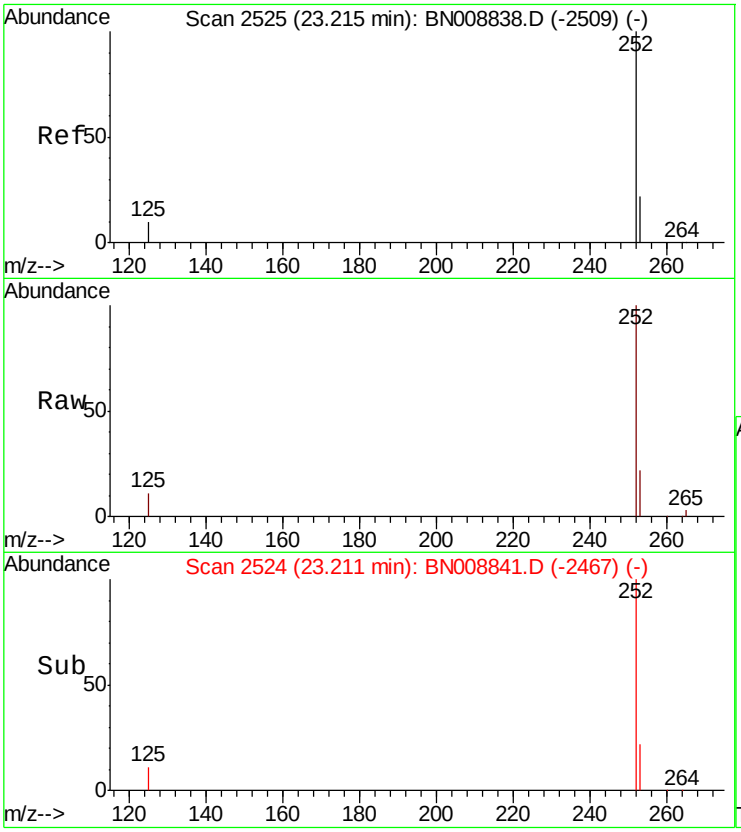


#36
Benzo(k)fluoranthene
Concen: 3.160 ng
RT: 22.71 min Scan# 2377
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Tgt Ion:252 Resp: 272408

Ion	Ratio	Lower	Upper
252	100		
253	22.2	21.0	31.4
125	10.9	13.5	20.3#



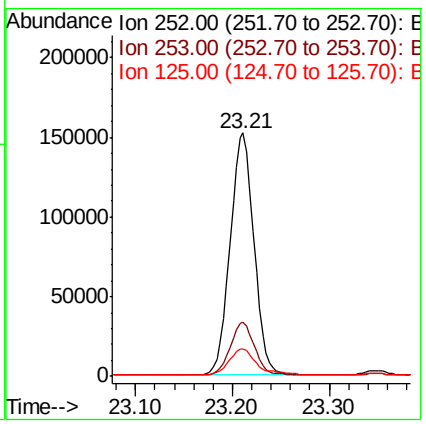


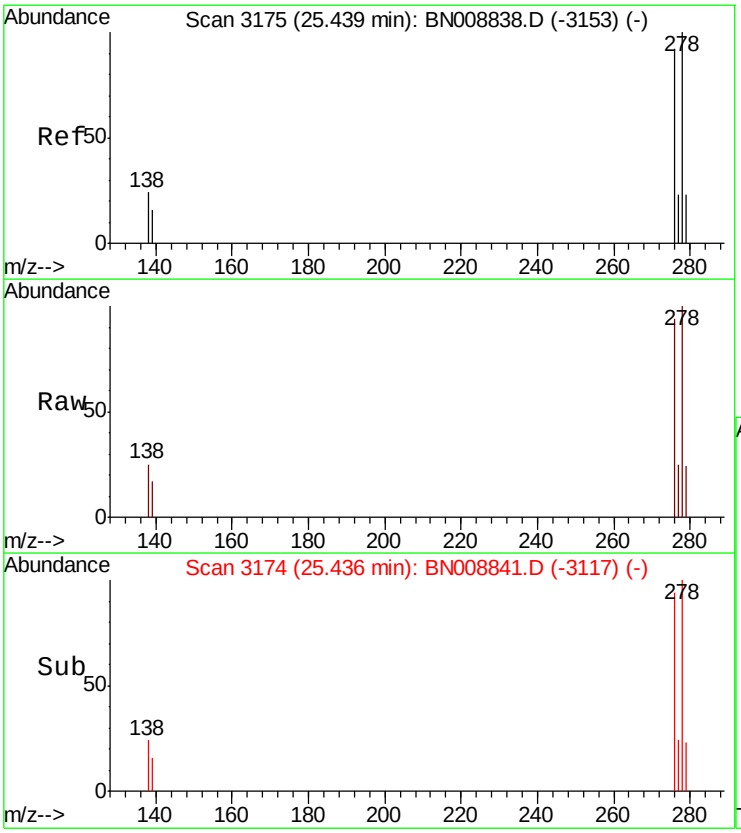
#37
Benzo(a)pyrene
Concen: 3.185 ng
RT: 23.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 260974

Ion	Ratio	Lower	Upper
252	100		
253	22.3	21.4	32.2
125	11.4	13.7	20.5#

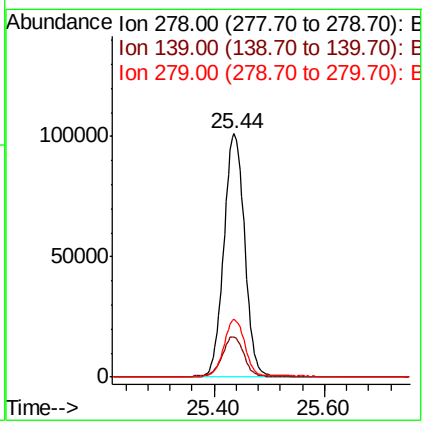


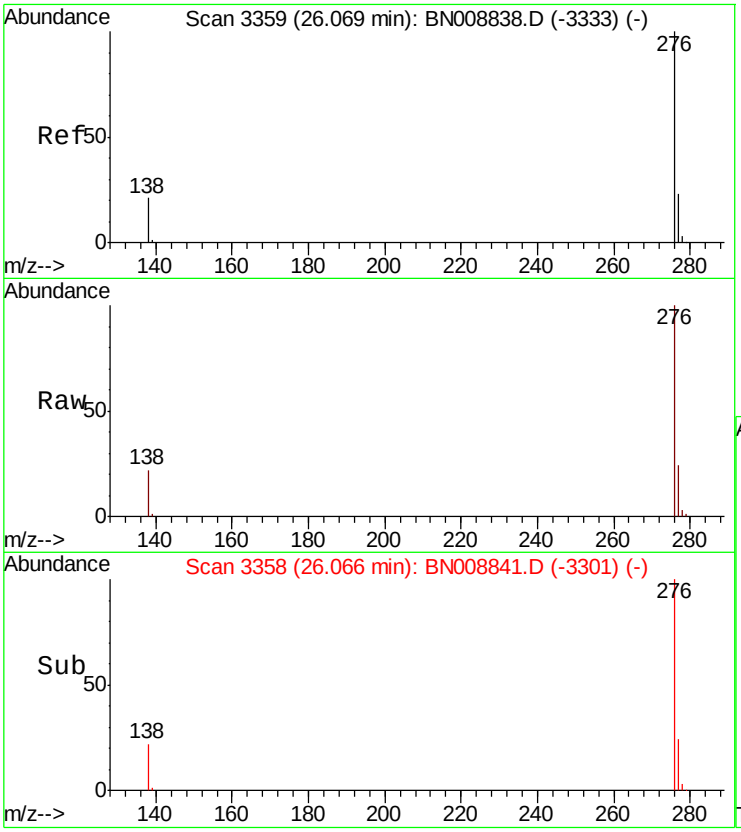


#38
Dibenzo(a,h)anthracene
Concen: 3.144 ng
RT: 25.44 min Scan# 3174
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Tgt Ion:278 Resp: 263558

Ion	Ratio	Lower	Upper
278	100		
139	16.6	15.3	22.9
279	23.7	21.2	31.8





#39
Benzo(g,h,i)perylene
Concen: 3.238 ng
RT: 26.07 min Scan# 3358
Delta R.T. -0.00 min
Lab File: BN008841.D
Acq: 04 Dec 2019 14:19

Instrument :
BNA_N
ClientSampleId :
SSTDICC3.2

Tgt Ion:276 Resp: 268640

Ion	Ratio	Lower	Upper
276	100		
277	23.8	20.1	30.1
138	21.8	18.6	27.8