Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081319\
Data File : BN007140.D
Acq On : 13 Aug 2019 20:07
Operator : HP/JU
Sample : K4173-09MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Aug 14 03:13:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	9706	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	37394	0.40	ng		0.00
12) Acenaphthene-d10	14.08	164	21361	0.40	ng		0.00
18) Phenanthrene-d10	16.82	188	48405	0.40	ng		0.00
26) Chrysene-d12	21.05	240	47463	0.40	ng		-0.01
32) Perylene-d12	23.16	264	53618	0.40	ng		-0.01
System Monitoring Compounds							
3) 2-Fluorophenol	5.06	112	9452	0.41	ng		0.00
4) Phenol-d6	6.61	99	12803	0.44	ng		0.00
7) Nitrobenzene-d5	8.56	82	10573	0.35	ng		0.00
10) 2-Methylnaphthalene-d10	11.79	152	28838	0.41	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	3722	0.32	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	4865	0.16	ng		0.00
24) Fluoranthene-d10	18.87	212	48711	0.28	ng		0.00
28) Terphenyl-d14	19.49	244	36229	0.28	ng		0.00
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	3.34	42	2477	0.388	ng	#	85
5) bis(2-Chloroethyl)ether	6.87	93	9971	0.390	ng		97
8) Naphthalene	10.24	128	52301	0.499	ng		99
9) Hexachlorobutadiene	10.54	225	6822	0.305	ng	#	99
11) 2-Methylnaphthalene	11.87	142	38543	0.519	ng		99
15) Acenaphthylene	13.79	152	108805	0.975	ng		99
16) Acenaphthene	14.13	154	38009	0.531	ng		97
17) Fluorene	15.14	166	60555	0.566	ng		94
19) 4-Bromophenyl-phenylether	16.03	248	10225	0.342	ng	#	81
20) Hexachlorobenzene	16.14	284	9089	0.316	ng		99
21) Pentachlorophenol	16.48	266	7602	0.708	ng		98
22) Phenanthrene	16.87	178	808720	5.575	ng		100
23) Anthracene	16.95	178	142529	1.075	ng		98
25) Fluoranthene	18.90	202	838873	4.521	ng		99
27) Pyrene	19.26	202	1310513	7.873	ng		96
29) Benzo(a)anthracene	21.02	228	554827	3.196	ng		94
30) Chrysene	21.08	228	673411	3.993	ng		97
31) Indeno(1,2,3-cd)pyrene	25.24	276	299678	1.612	ng		99
33) Benzo(b)fluoranthene	22.54	252	548244	2.982	ng		99
34) Benzo(k)fluoranthene	22.54	252	548244	3.019	ng		99
35) Benzo(a)pyrene	23.07	252	468485	2.811	ng		99
36) Dibenzo(a,h)anthracene	25.26	278	121975	0.733	ng		92
37) Benzo(g,h,i)perylene	25.87	276	334873	1.958	ng		99

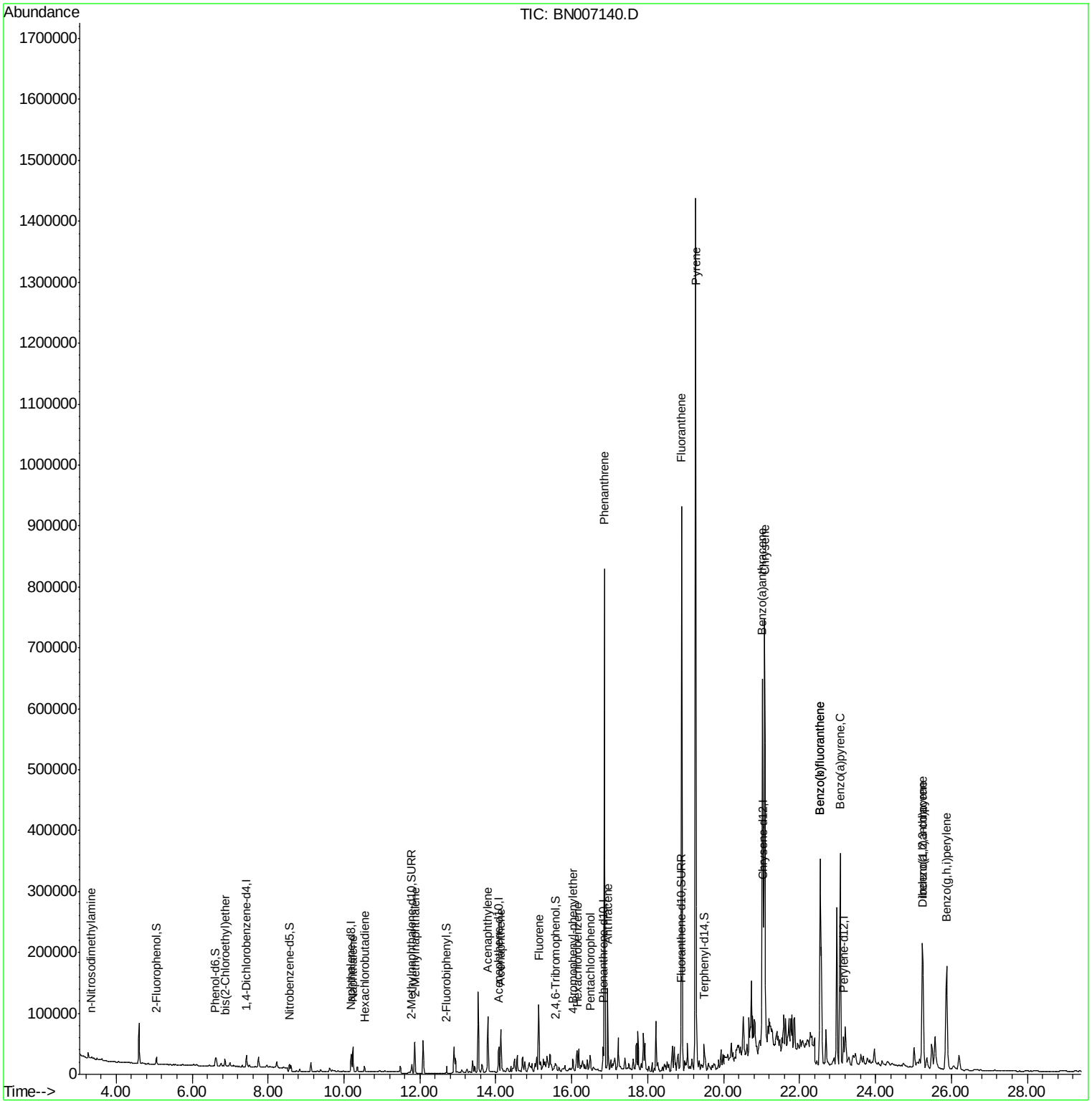
(#) = qualifier out of range (m) = manual integration (+) = signals summed

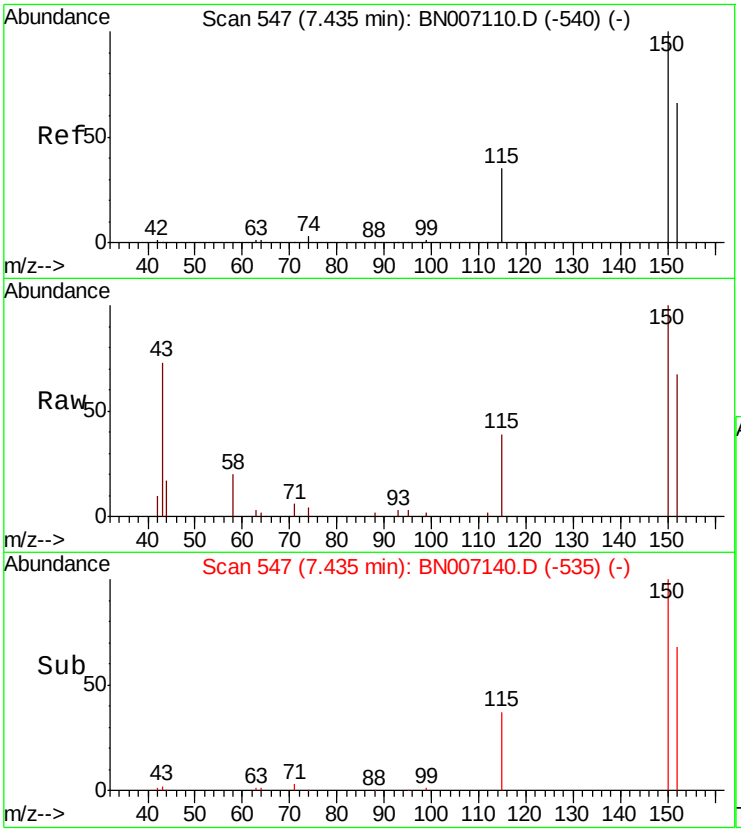
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081319\
Data File : BN007140.D
Acq On : 13 Aug 2019 20:07
Operator : HP/JU
Sample : K4173-09MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Aug 14 03:13:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration



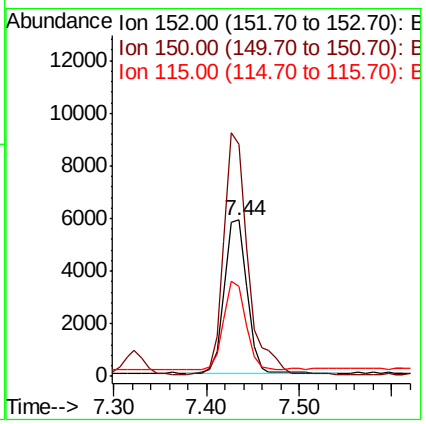


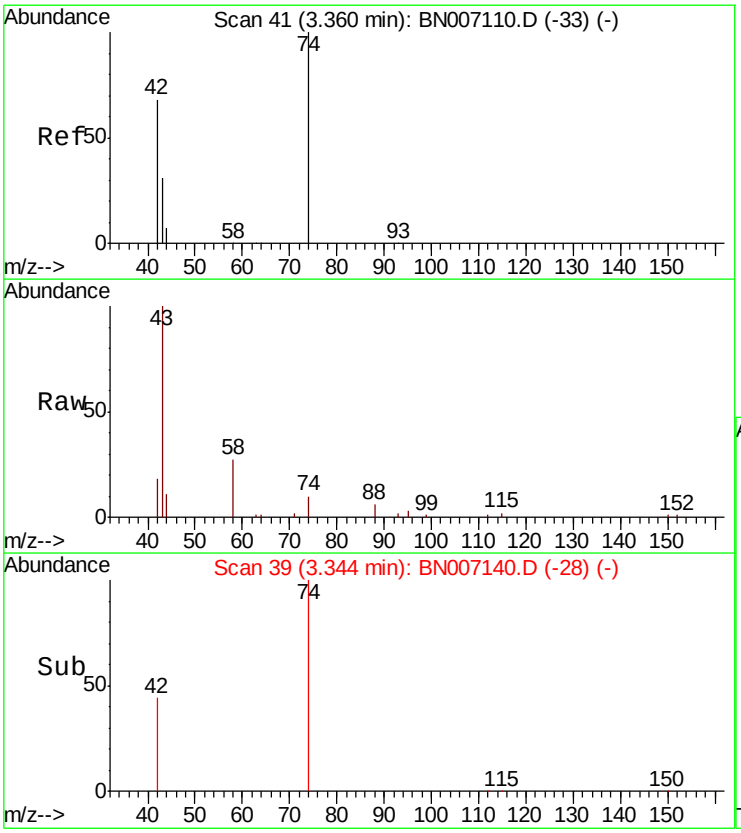
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.44 min Scan# 547
Delta R.T. 0.00 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 9706

Ion	Ratio	Lower	Upper
152	100		
150	148.4	121.7	182.5
115	57.5	46.2	69.4

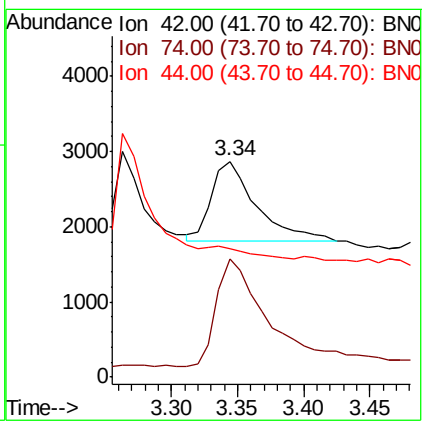


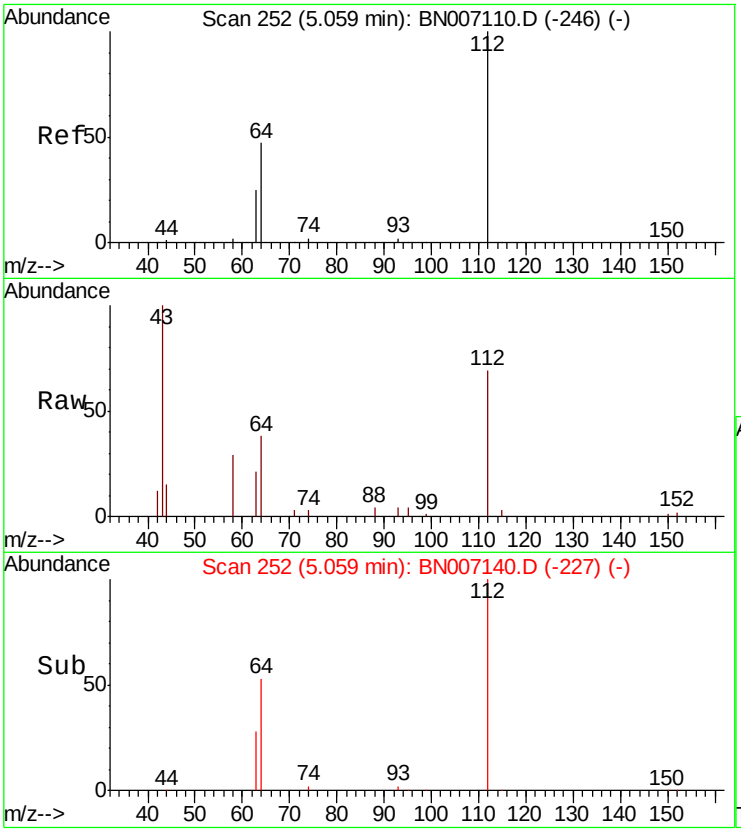


#2
n-Nitrosodimethylamine
Concen: 0.388 ng
RT: 3.34 min Scan# 39
Delta R.T. -0.02 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Tgt Ion: 42 Resp: 2477

Ion	Ratio	Lower	Upper
42	100		
74	156.2	110.6	166.0
44	0.0	0.0	0.0



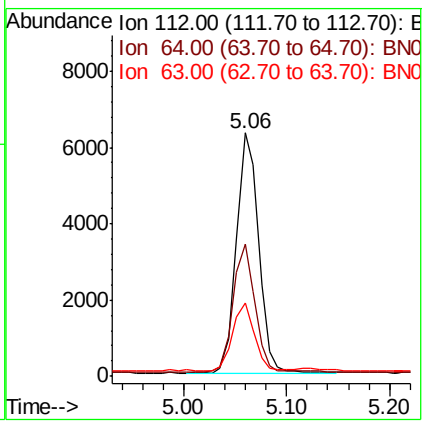


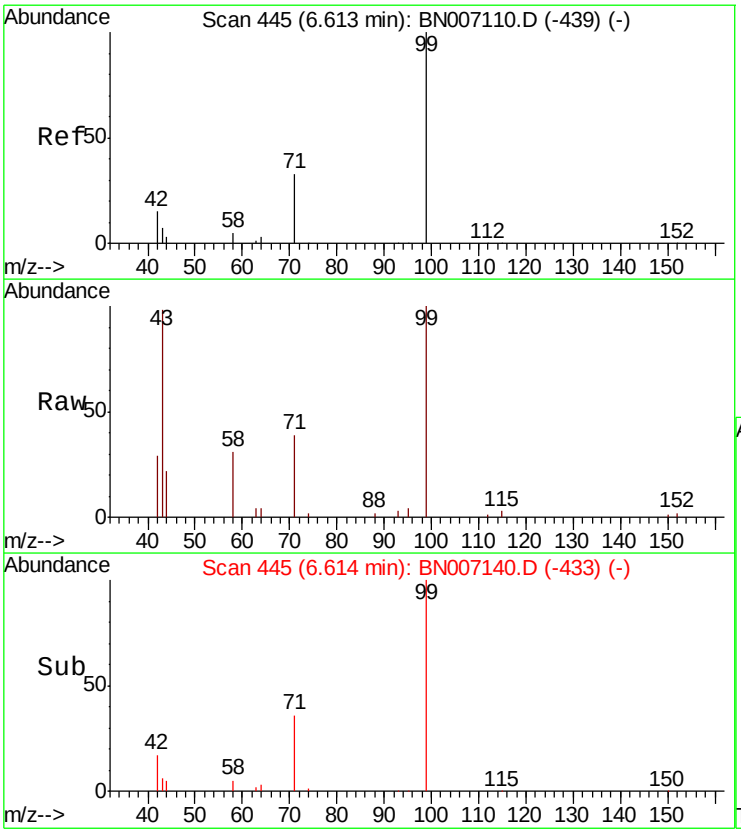
#3
2-Fluorophenol
Concen: 0.405 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:112 Resp: 9452

Ion	Ratio	Lower	Upper
112	100		
64	53.0	42.6	63.8
63	27.8	22.2	33.2

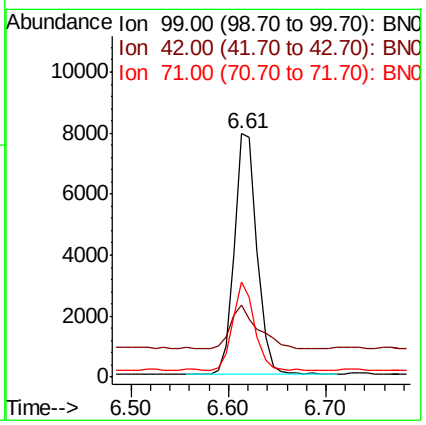


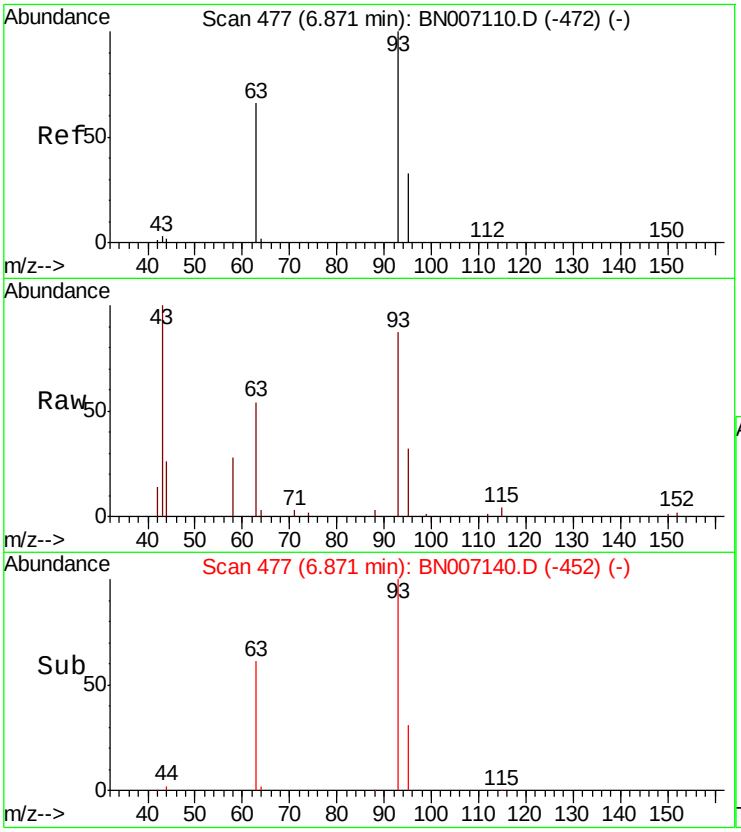


#4
Phenol-d6
Concen: 0.443 ng
RT: 6.61 min Scan# 445
Delta R.T. 0.00 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Tgt Ion: 99 Resp: 12803

Ion	Ratio	Lower	Upper
99	100		
42	22.1	15.8	23.6
71	35.1	27.0	40.4



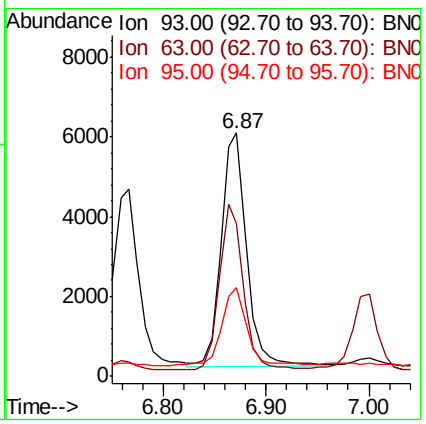


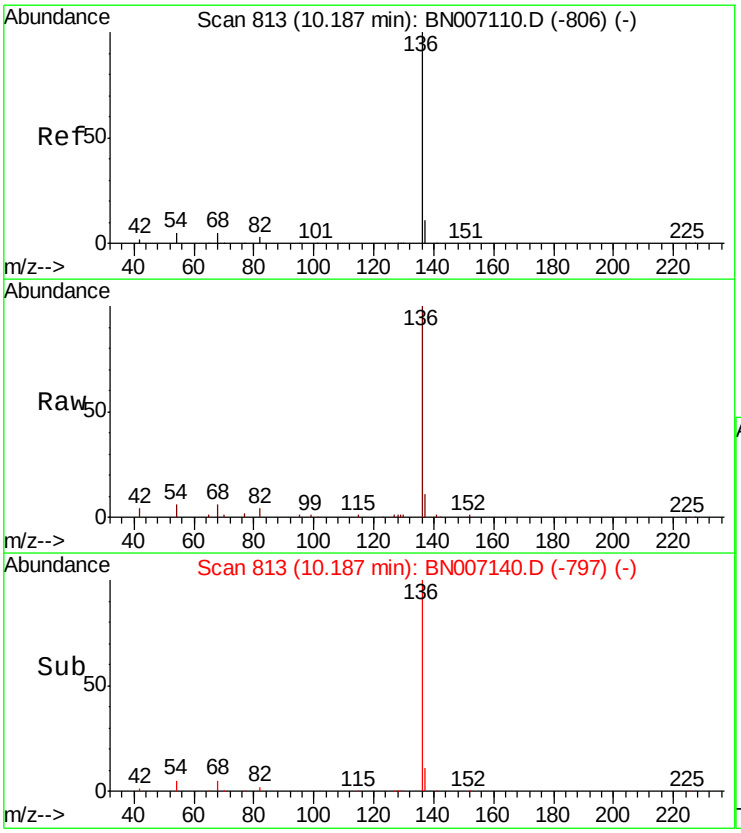
#5
bis(2-Chloroethyl)ether
Concen: 0.390 ng
RT: 6.87 min Scan# 477
Delta R.T. 0.00 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 93 Resp: 9971

Ion	Ratio	Lower	Upper
93	100		
63	67.0	55.6	83.4
95	32.3	26.7	40.1

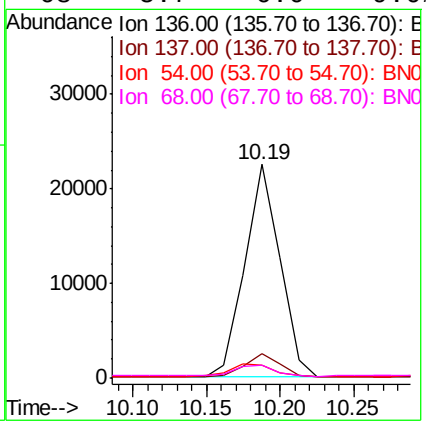


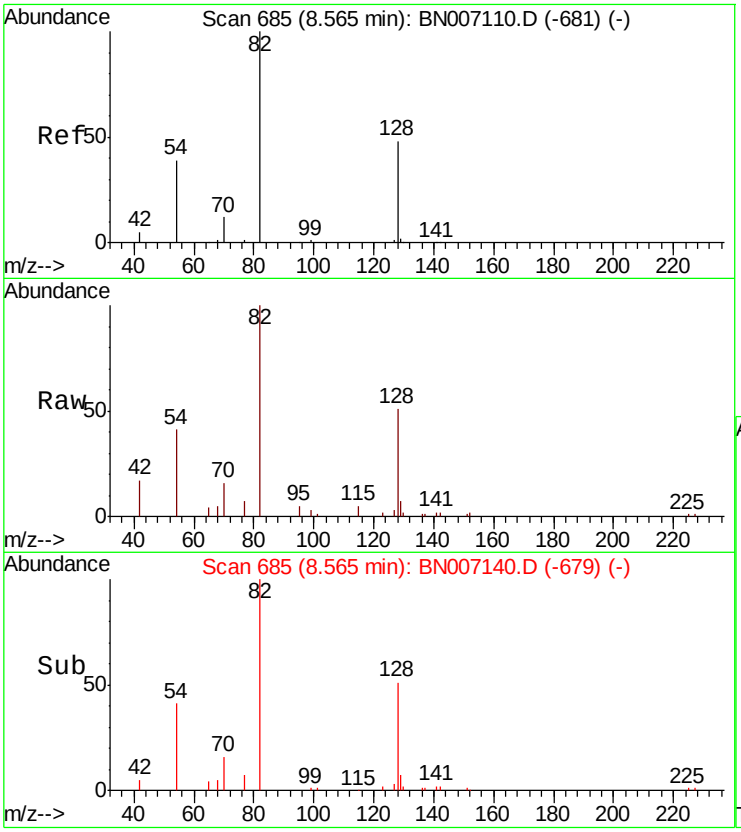


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. 0.00 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Tgt Ion:136 Resp: 37394

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.4	14.0
54	6.2	6.6	9.8#
68	5.7	6.0	9.0#



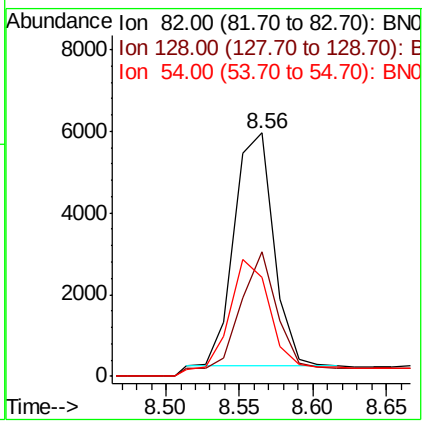


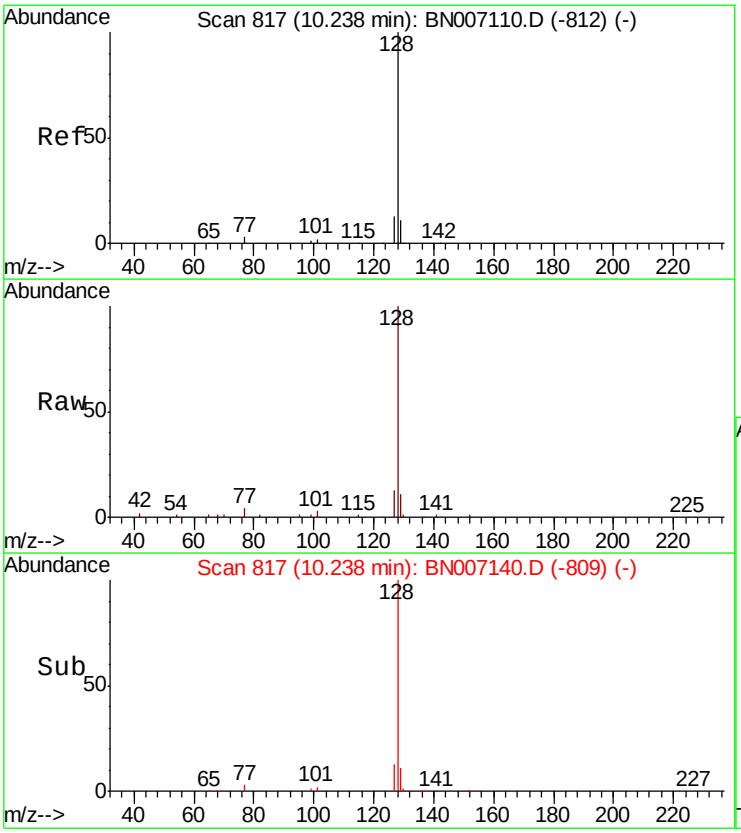
#7
Nitrobenzene-d5
Concen: 0.351 ng
RT: 8.56 min Scan# 685
Delta R.T. 0.00 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 82 Resp: 10573

Ion	Ratio	Lower	Upper
82	100		
128	51.2	34.6	51.8
54	40.7	36.2	54.4

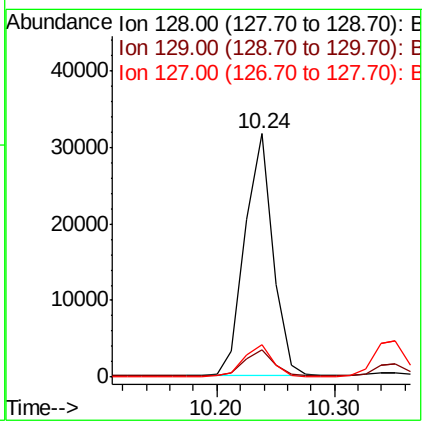


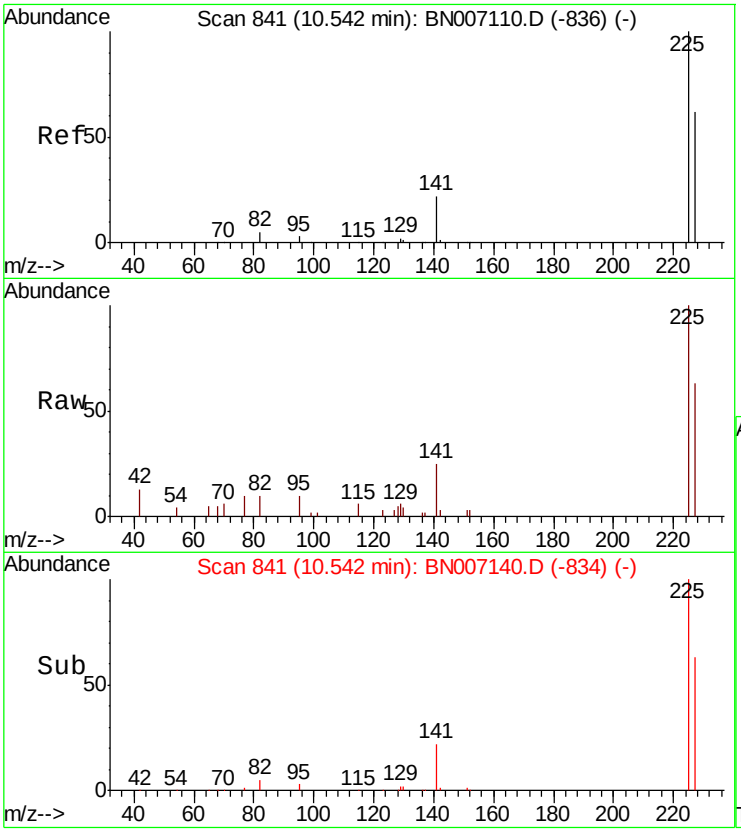


#8
Naphthalene
Concen: 0.499 ng
RT: 10.24 min Scan# 817
Delta R.T. 0.00 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Tgt Ion:128 Resp: 52301

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.4	14.2
127	13.2	11.0	16.6



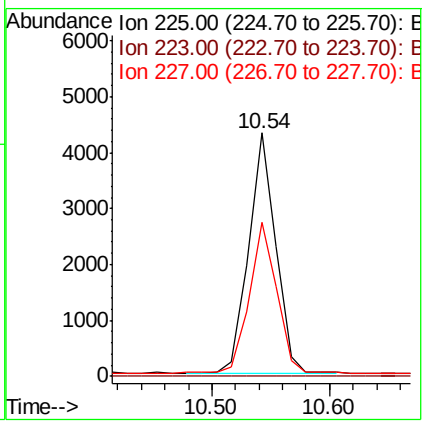


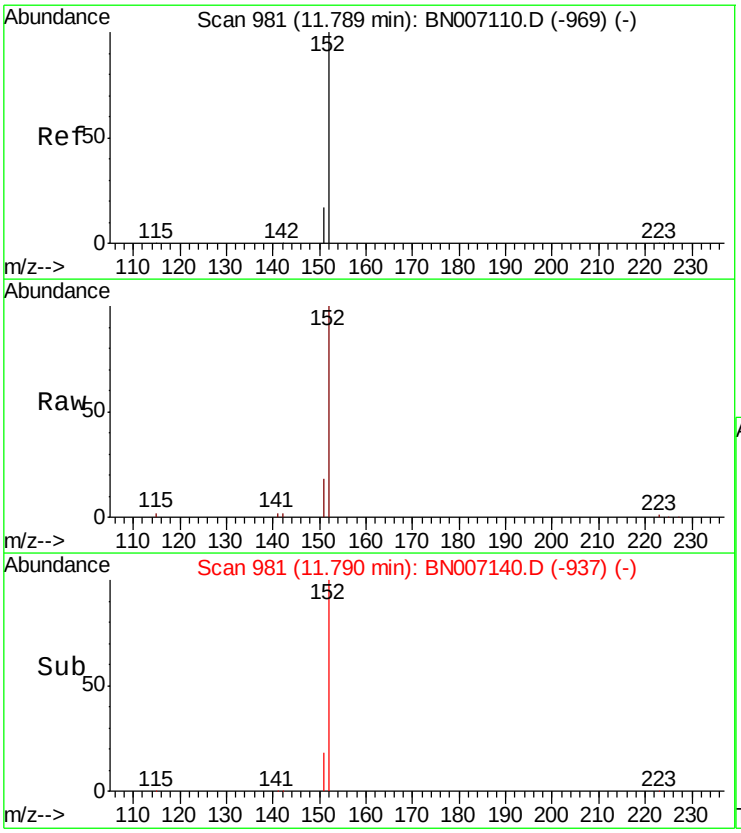
#9
Hexachlorobutadiene
Concen: 0.305 ng
RT: 10.54 min Scan# 841
Delta R.T. -0.01 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:225 Resp: 6822

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.0	51.1	76.7

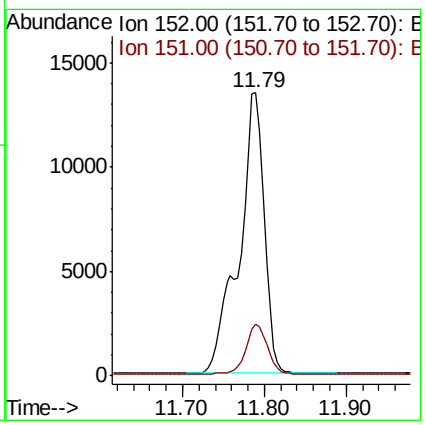


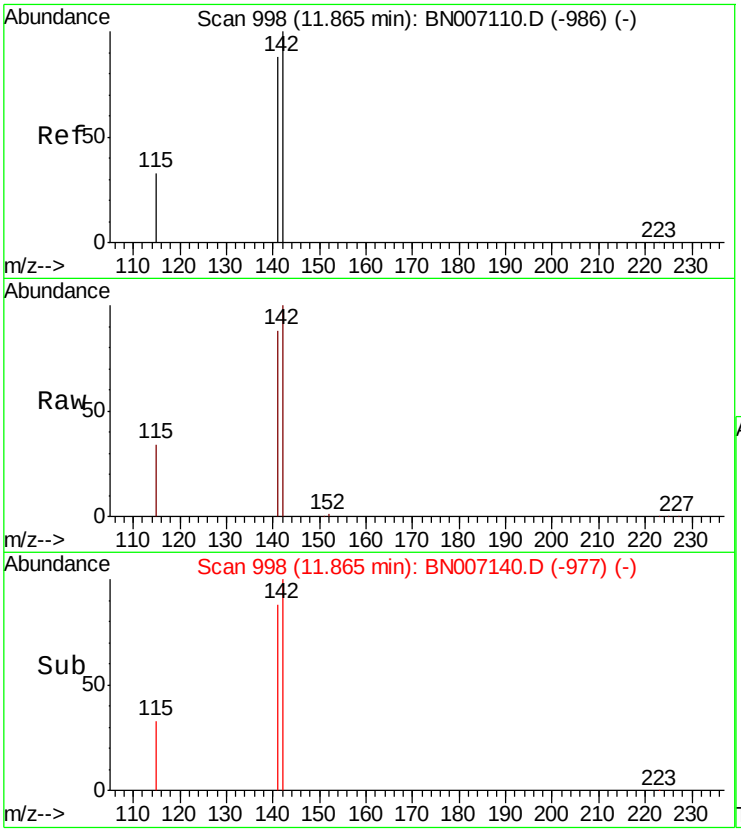


#10
2-Methylnaphthalene-d10
Concen: 0.414 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Tgt Ion:152 Resp: 28838

Ion	Ratio	Lower	Upper
152	100		
151	14.7	15.5	23.3#



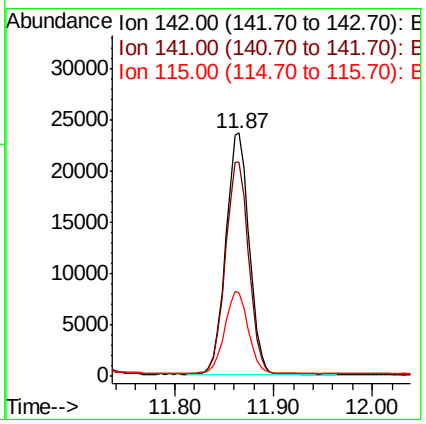


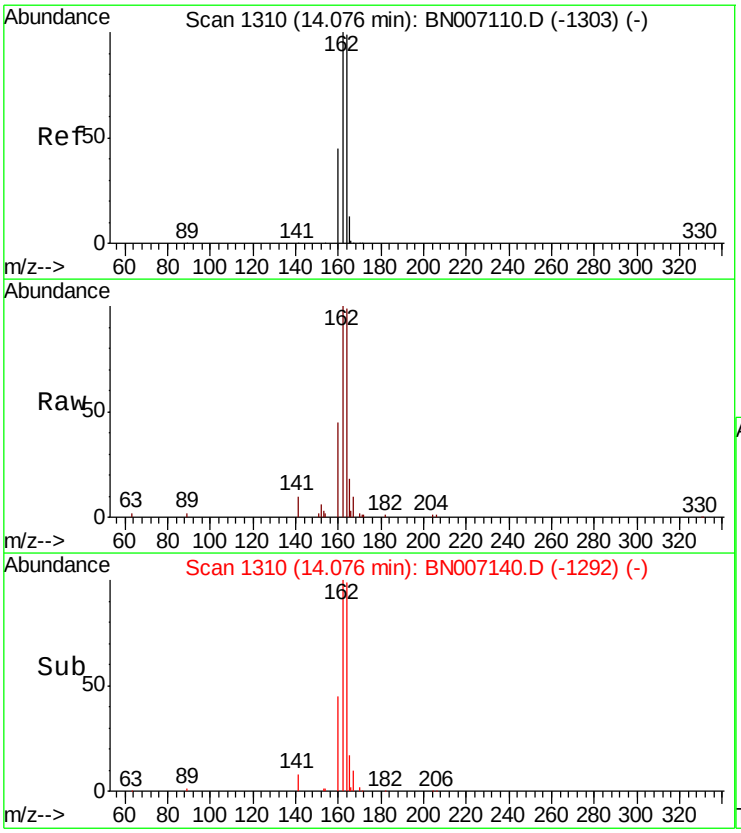
#11
2-Methylnaphthalene
Concen: 0.519 ng
RT: 11.87 min Scan# 998
Delta R.T. -0.00 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:142 Resp: 38543

Ion	Ratio	Lower	Upper
142	100		
141	87.8	69.0	103.6
115	34.5	27.1	40.7

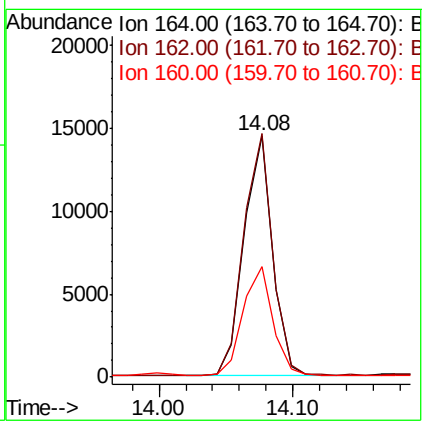


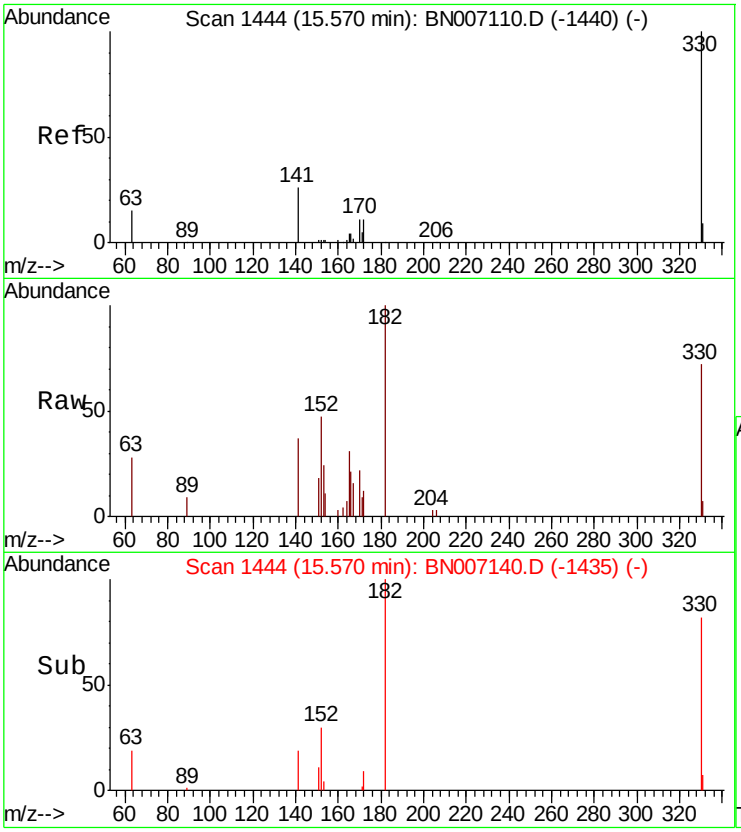


#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. 0.00 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Tgt Ion:164 Resp: 21361

Ion	Ratio	Lower	Upper
164	100		
162	101.0	82.2	123.4
160	45.7	38.3	57.5



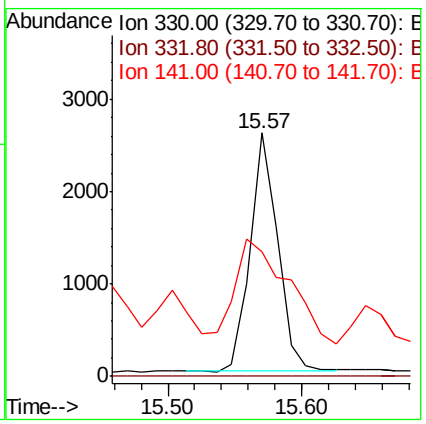


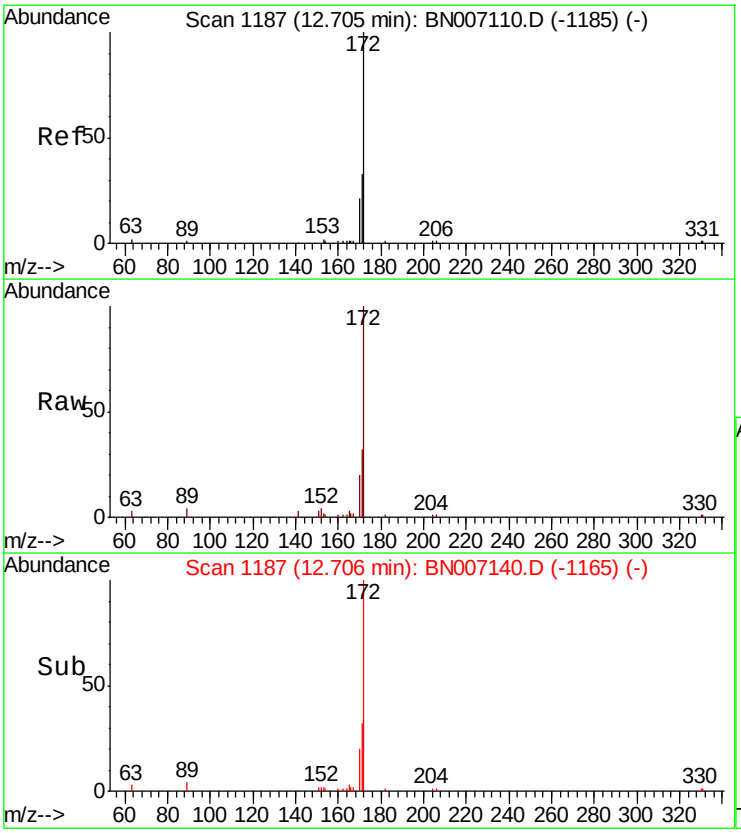
#13
2,4,6-Tribromophenol
Concen: 0.324 ng
RT: 15.57 min Scan# 1444
Delta R.T. 0.00 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:330 Resp: 3722

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	83.2	33.6	50.4#

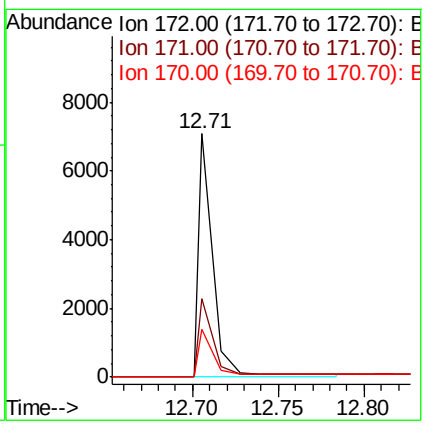


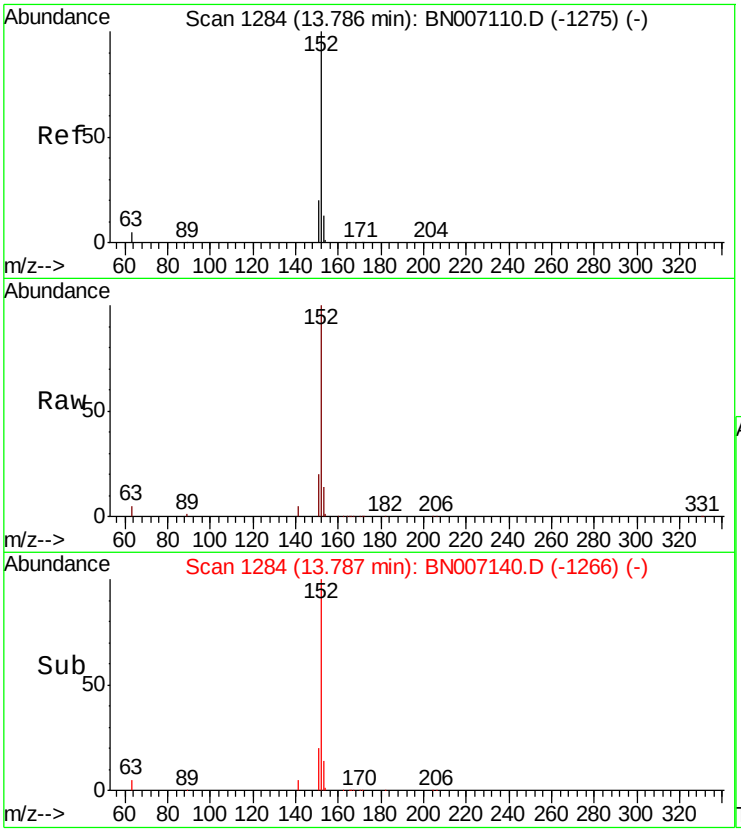


#14
2-Fluorobiphenyl
Concen: 0.157 ng
RT: 12.71 min Scan# 1187
Delta R.T. 0.00 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Tgt Ion:172 Resp: 4865

Ion	Ratio	Lower	Upper
172	100		
171	32.4	26.3	39.5
170	19.7	17.0	25.4



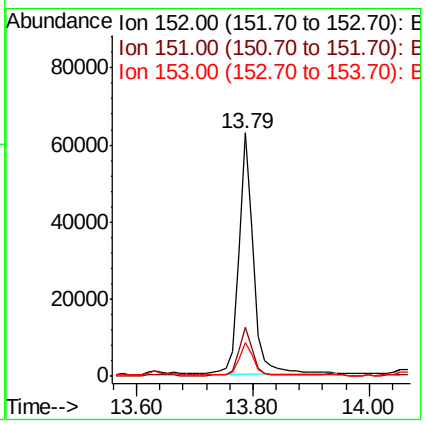


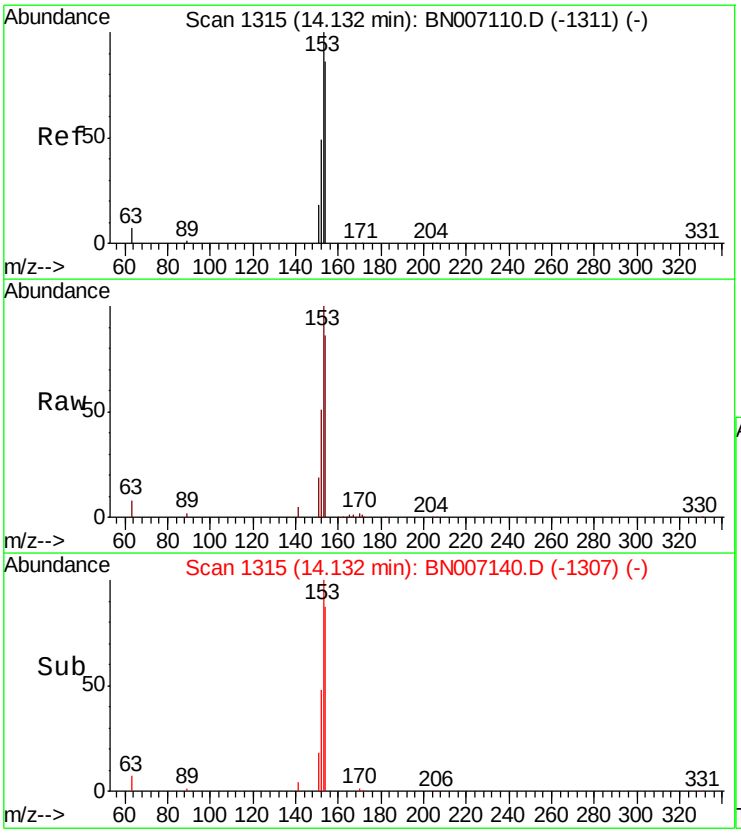
#15
Acenaphthylene
Concen: 0.975 ng
RT: 13.79 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 108805

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.8	23.6
153	13.6	10.4	15.6

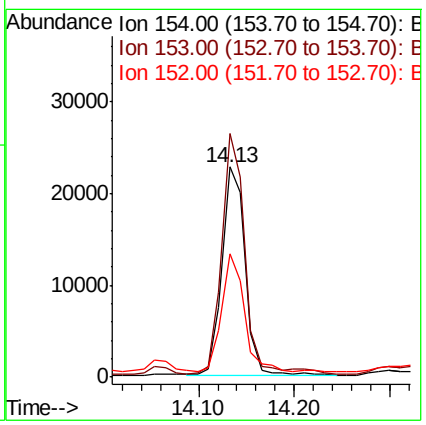


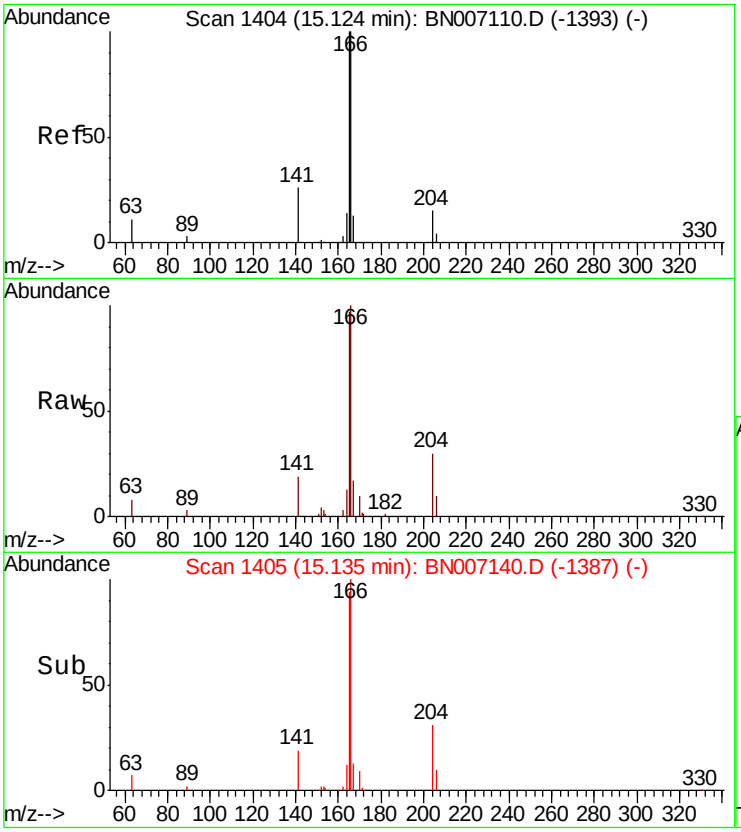


#16
Acenaphthene
Concen: 0.531 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Tgt Ion:154 Resp: 38009

Ion	Ratio	Lower	Upper
154	100		
153	115.7	89.5	134.3
152	54.6	44.8	67.2



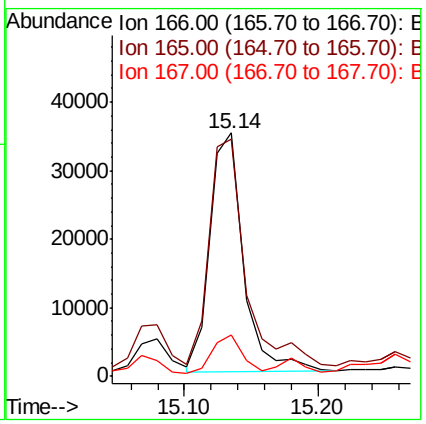


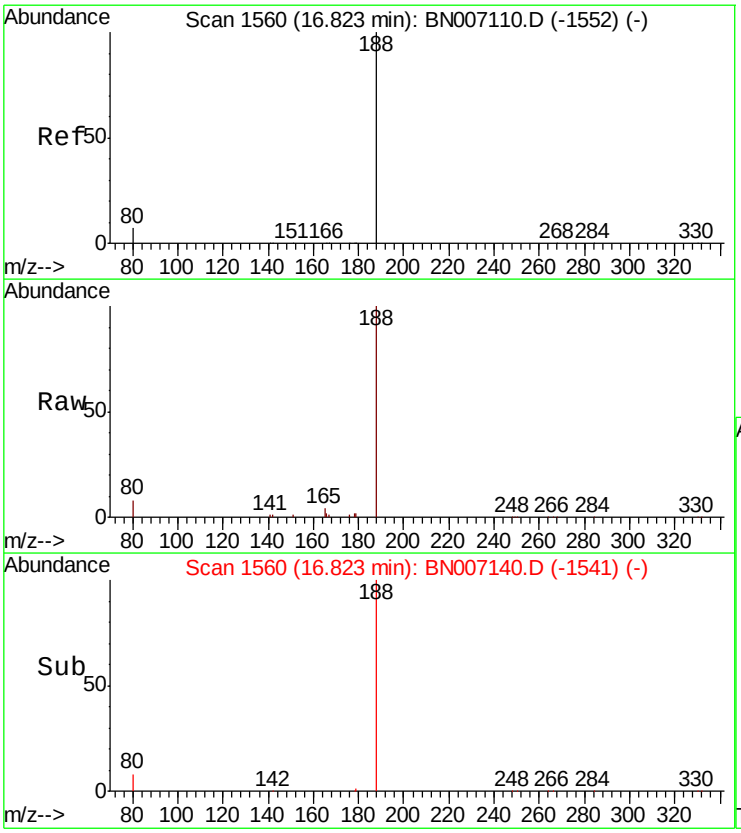
#17
Fluorene
Concen: 0.566 ng
RT: 15.14 min Scan# 1405
Delta R.T. 0.00 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:166 Resp: 60555

Ion	Ratio	Lower	Upper
166	100		
165	103.4	77.9	116.9
167	14.9	10.9	16.3

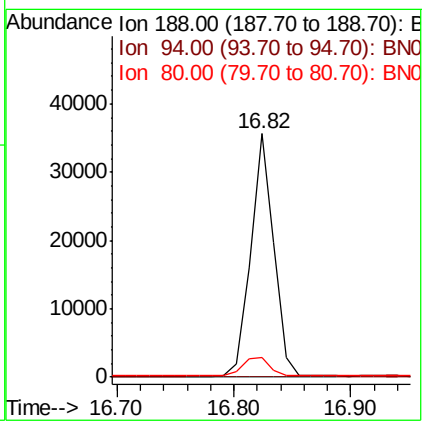


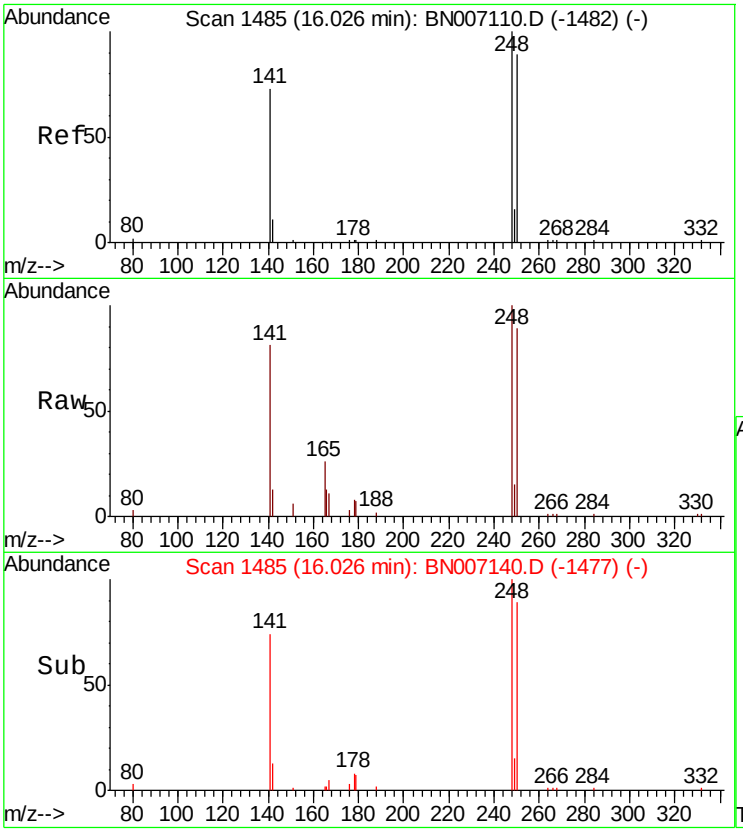


#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Tgt Ion:188 Resp: 48405

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.3	7.8	11.6



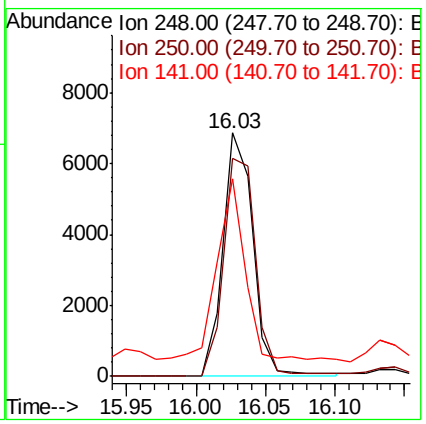


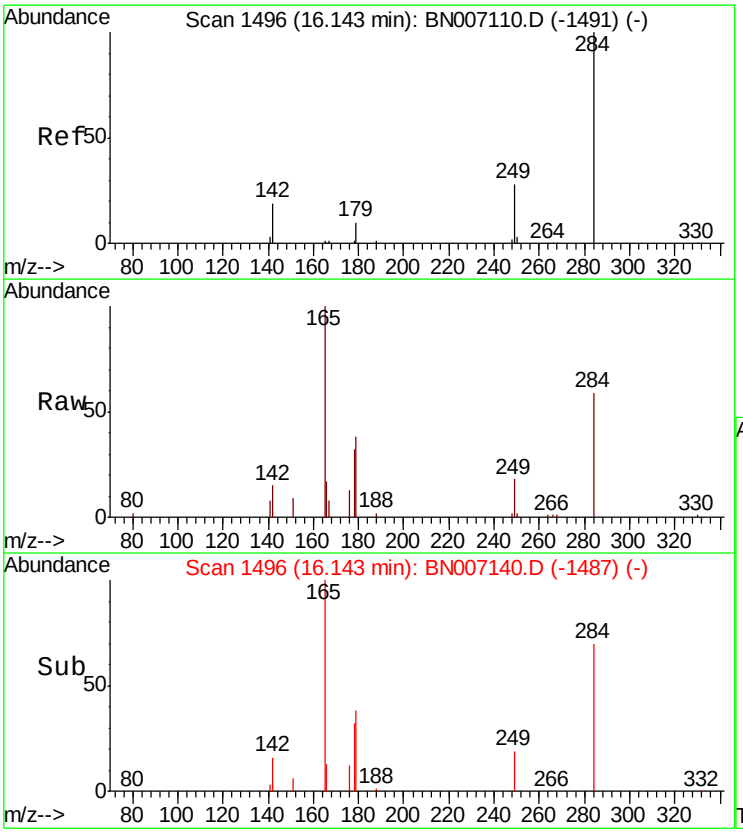
#19
4-Bromophenyl-phenylether
Concen: 0.342 ng
RT: 16.03 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:248 Resp: 10225

Ion	Ratio	Lower	Upper
248	100		
250	89.3	78.9	118.3
141	80.9	43.3	64.9#

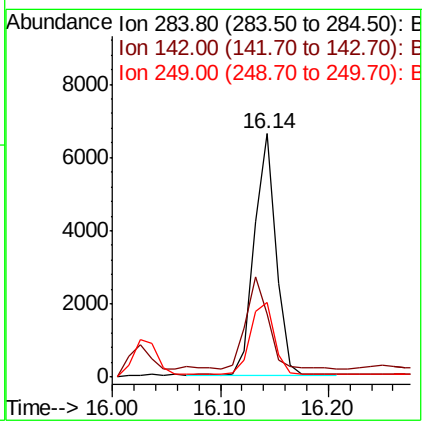


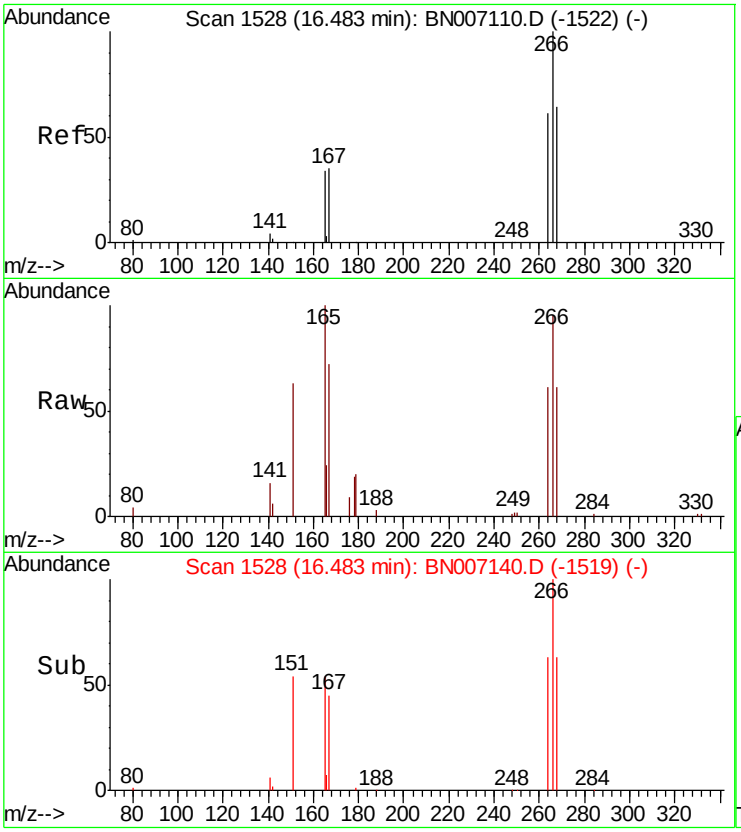


#20
Hexachlorobenzene
Concen: 0.316 ng
RT: 16.14 min Scan# 1496
Delta R.T. 0.00 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Tgt Ion:284 Resp: 9089

Ion	Ratio	Lower	Upper
284	100		
142	39.3	30.5	45.7
249	32.9	26.7	40.1



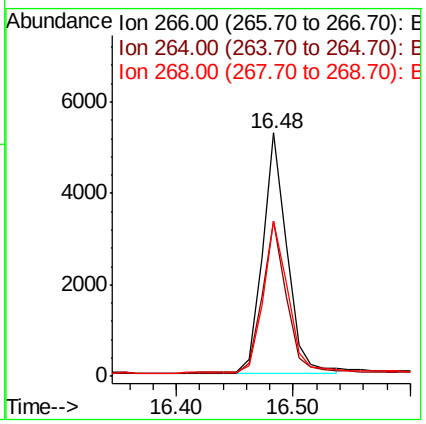


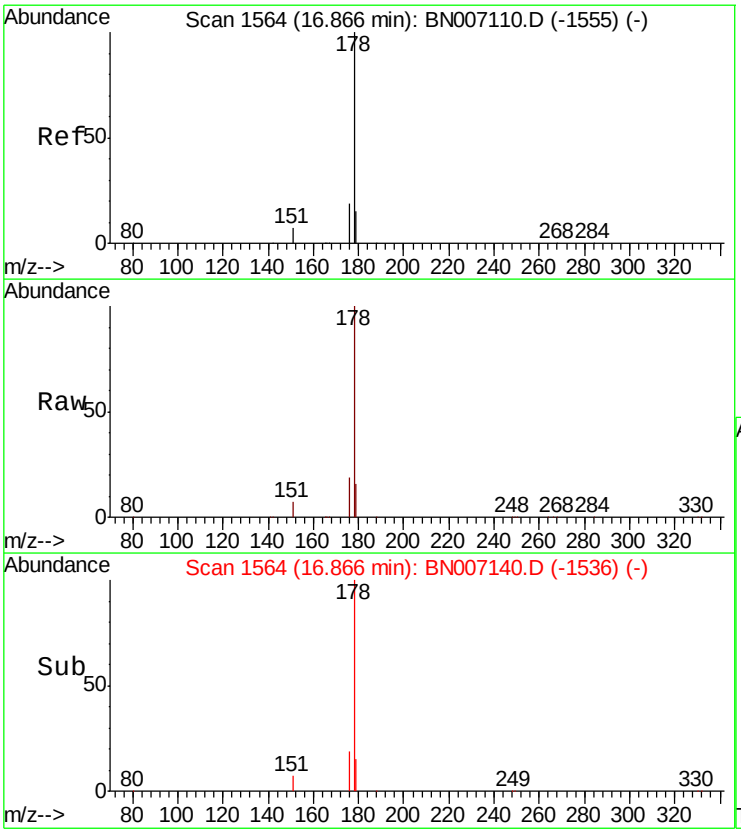
#21
Pentachlorophenol
Concen: 0.708 ng
RT: 16.48 min Scan# 1528
Delta R.T. 0.00 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:266 Resp: 7602

Ion	Ratio	Lower	Upper
266	100		
264	63.6	52.3	78.5
268	63.6	51.5	77.3

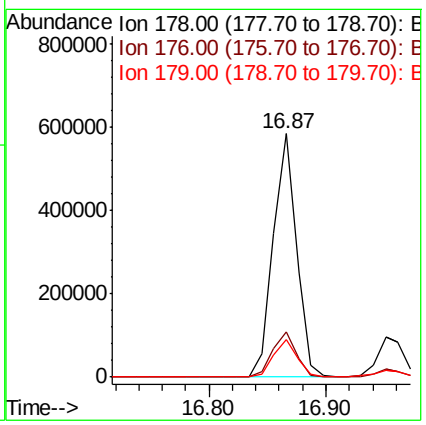


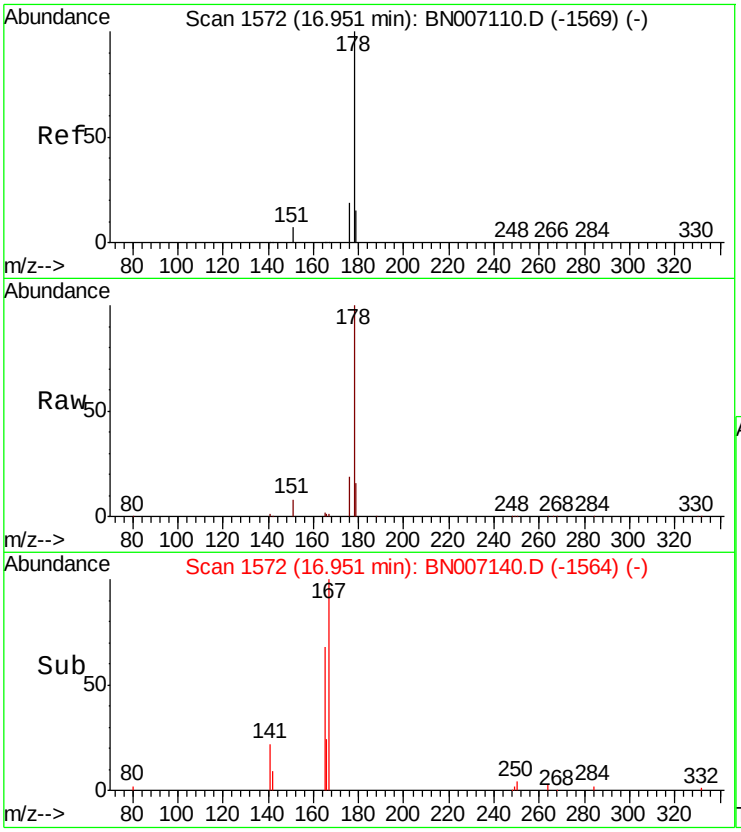


#22
Phenanthrene
Concen: 5.575 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Tgt Ion:178 Resp: 808720

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	15.7	12.3	18.5



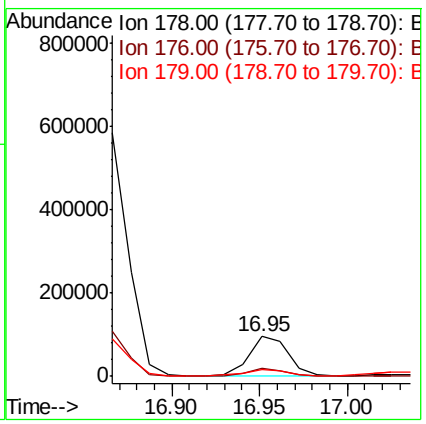


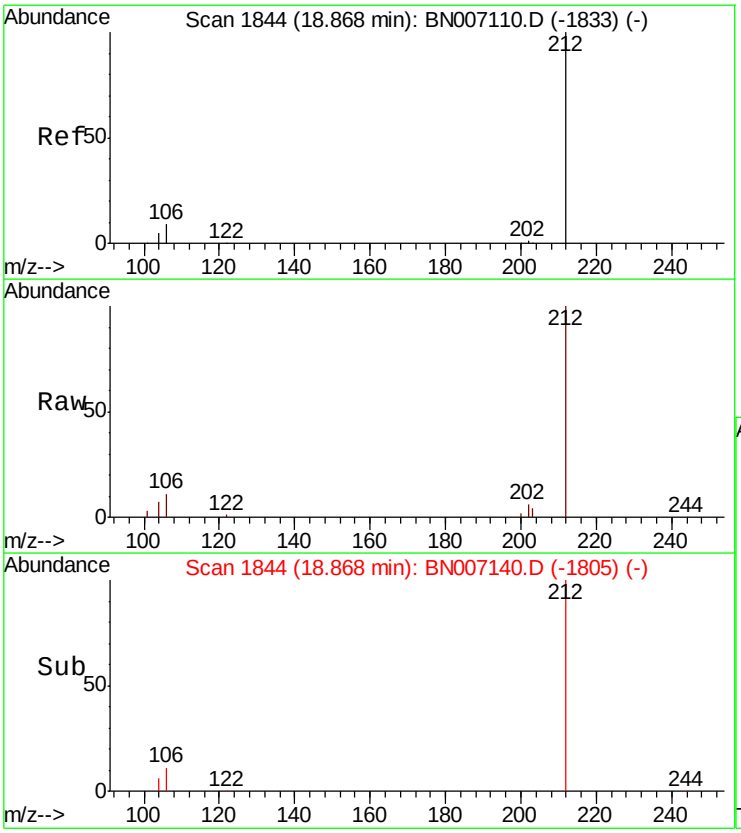
#23
Anthracene
Concen: 1.075 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp: 142529

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	17.1	12.5	18.7

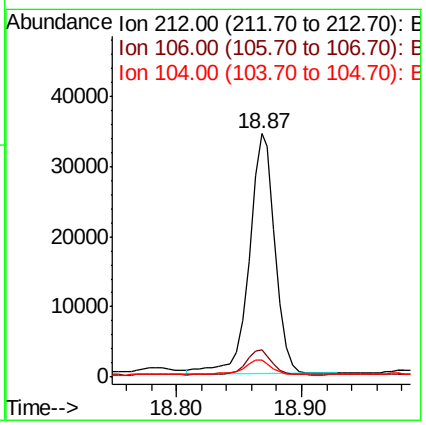


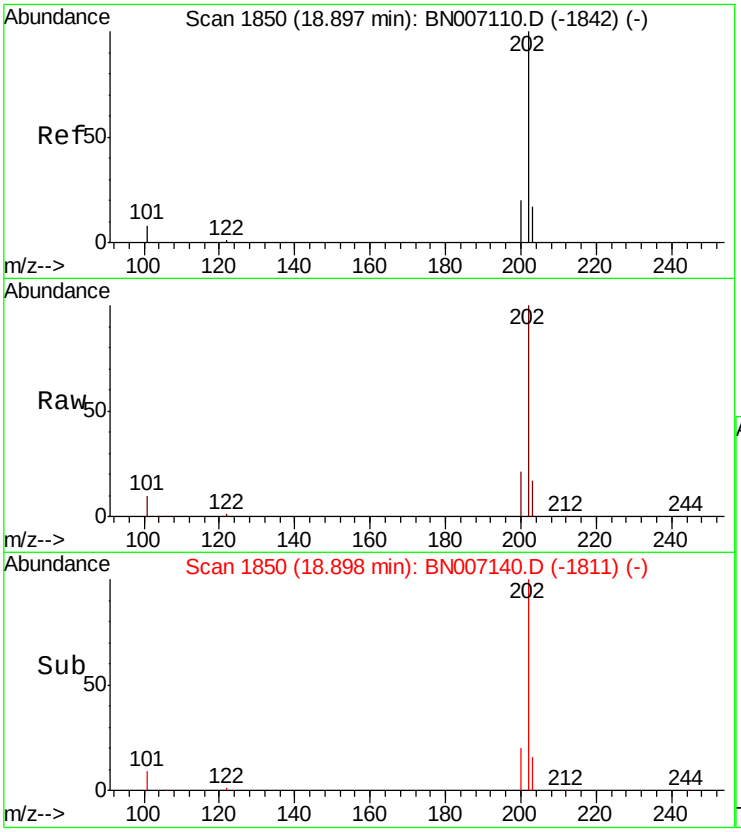


#24
Fluoranthene-d10
Concen: 0.284 ng
RT: 18.87 min Scan# 1844
Delta R.T. -0.00 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Tgt Ion:212 Resp: 48711

Ion	Ratio	Lower	Upper
212	100		
106	10.1	8.2	12.2
104	6.8	4.5	6.7#



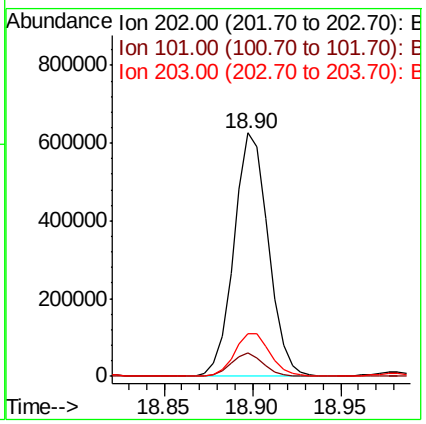


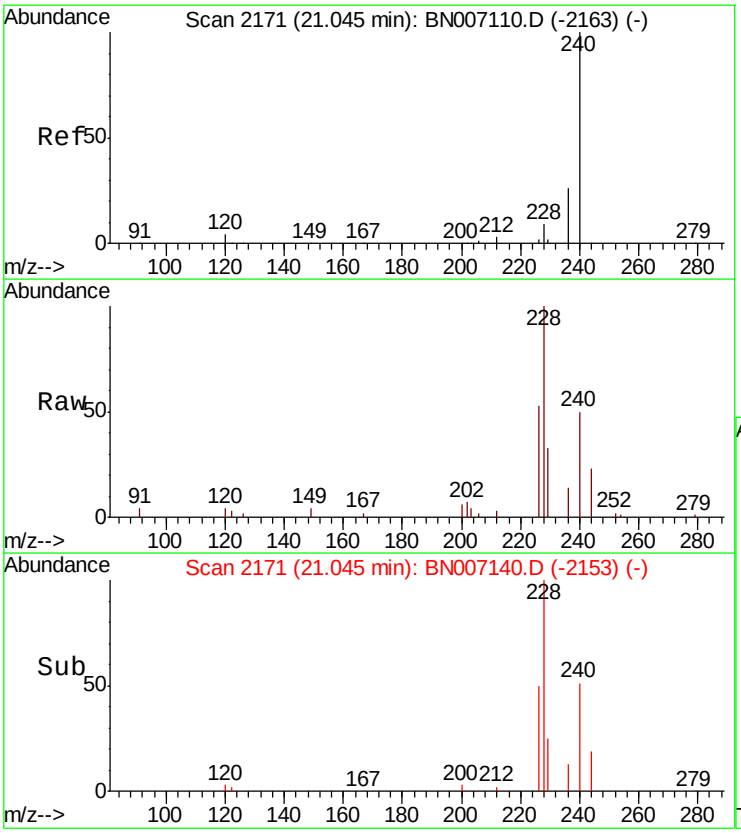
#25
Fluoranthene
Concen: 4.521 ng
RT: 18.90 min Scan# 1850
Delta R.T. -0.00 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:202 Resp: 838873

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.0	10.4
203	17.9	13.8	20.8

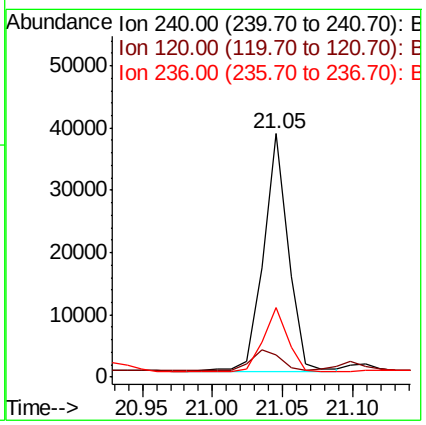


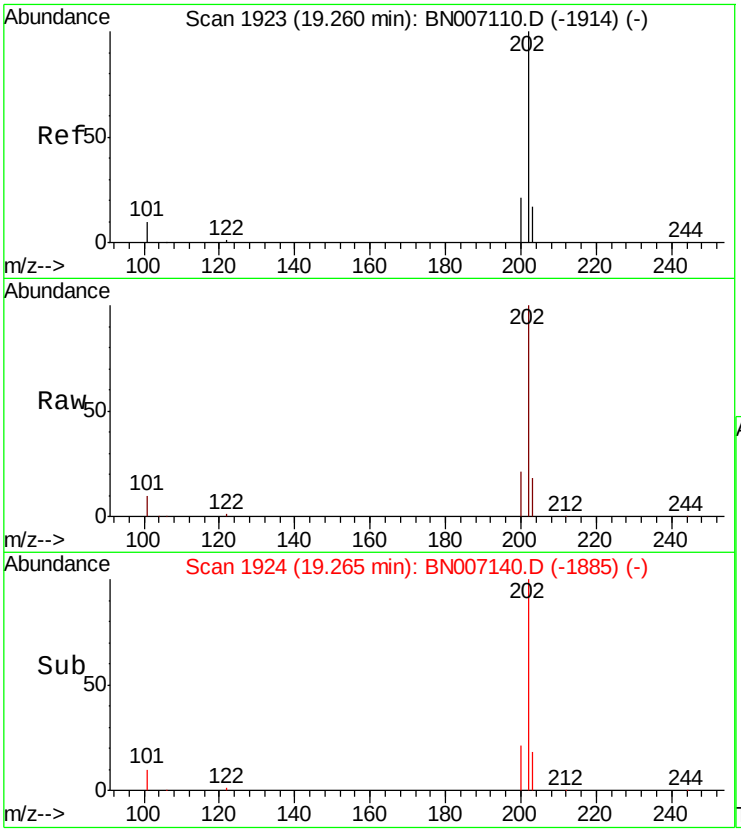


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Tgt Ion:240 Resp: 47463

Ion	Ratio	Lower	Upper
240	100		
120	8.9	4.0	6.0#
236	28.7	21.3	31.9



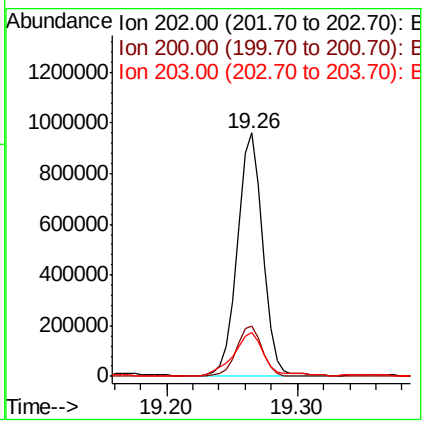


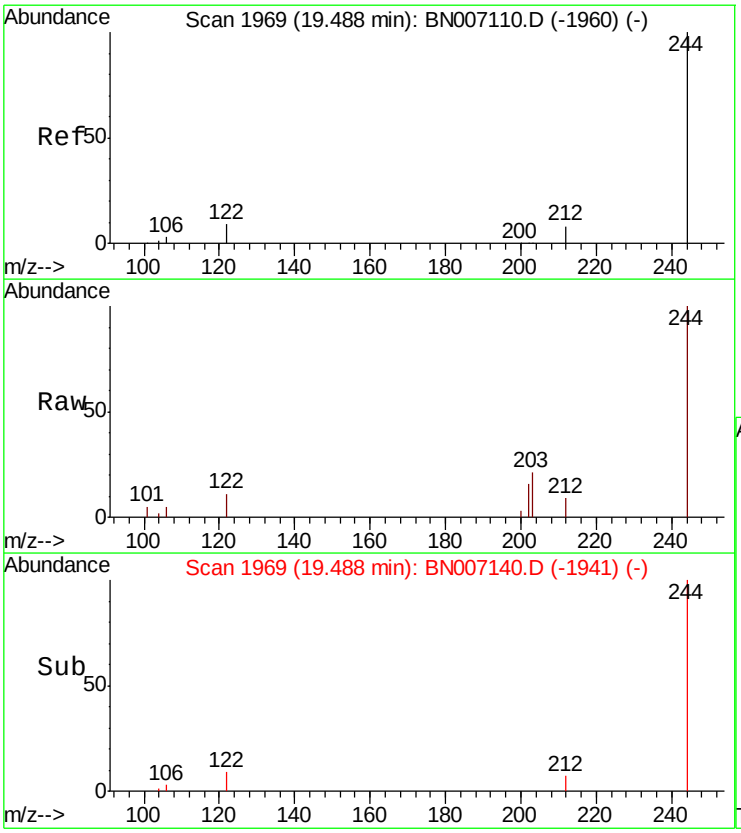
#27
Pyrene
Concen: 7.873 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.00 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:202 Resp: 1310513

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	20.8	14.0	21.0

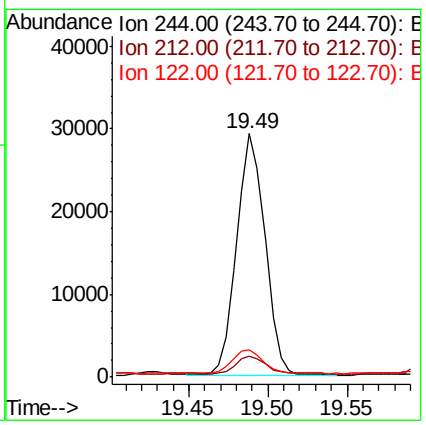


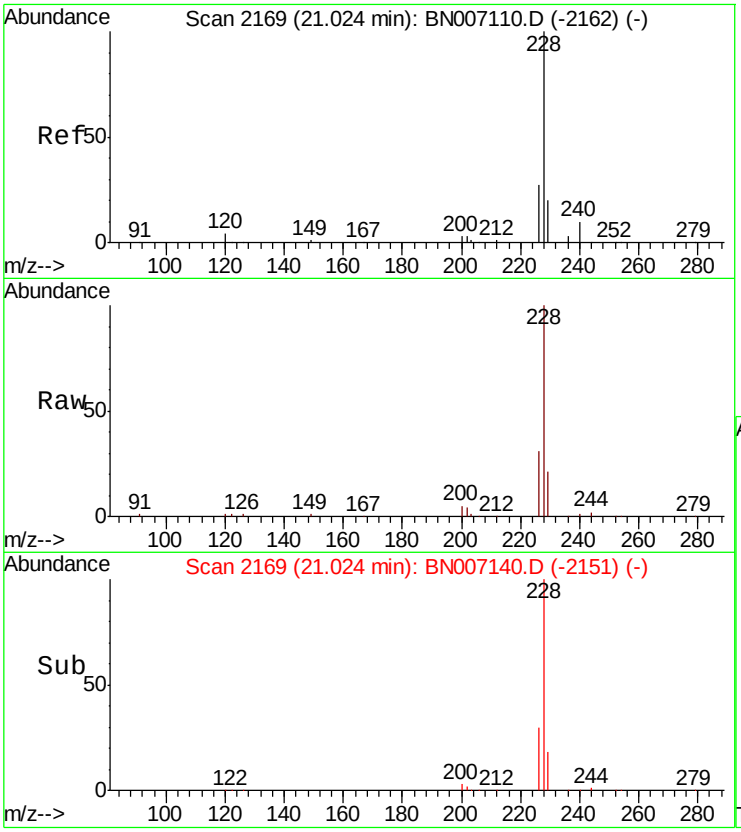


#28
Terphenyl-d14
Concen: 0.280 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Tgt Ion:244 Resp: 36229

Ion	Ratio	Lower	Upper
244	100		
212	8.8	6.2	9.2
122	11.0	7.4	11.2



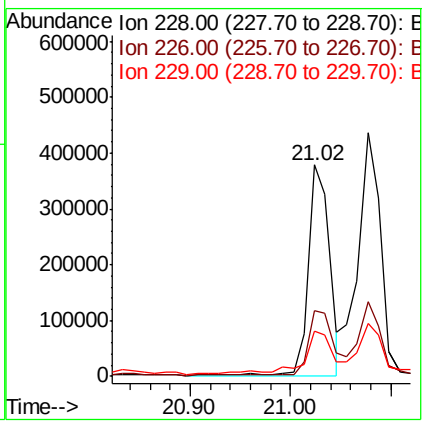


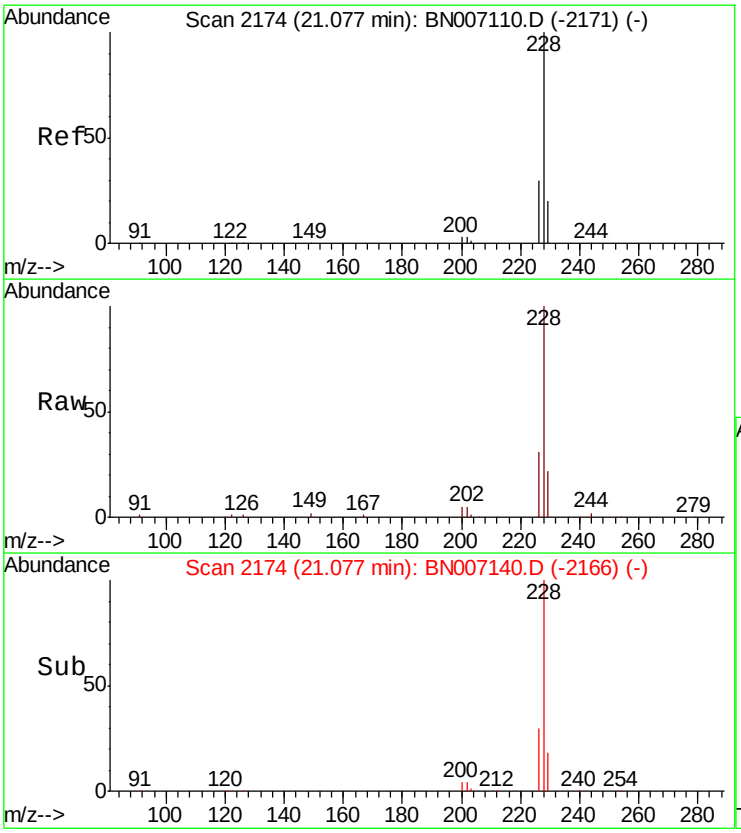
#29
Benzo(a)anthracene
Concen: 3.196 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 554827

Ion	Ratio	Lower	Upper
228	100		
226	30.8	21.8	32.6
229	21.2	15.6	23.4

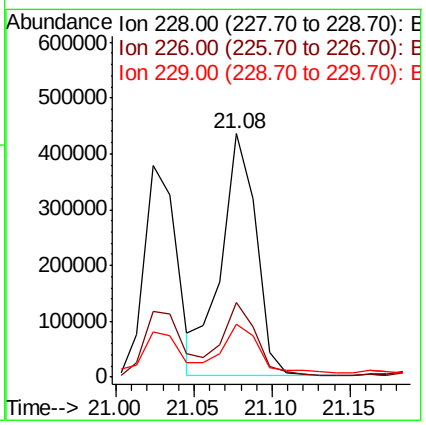


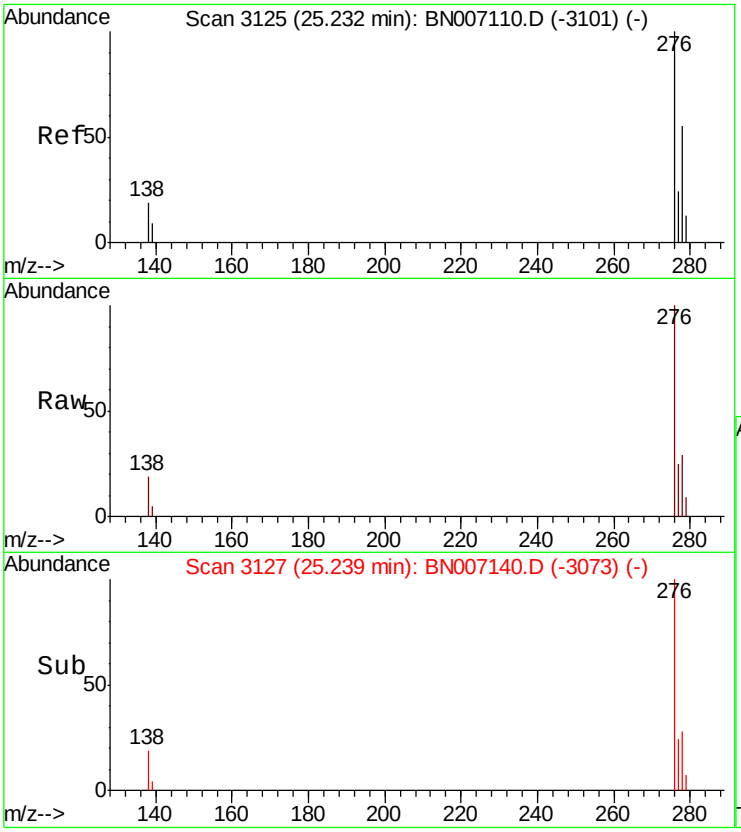


#30
Chrysene
Concen: 3.993 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Tgt Ion:228 Resp: 673411

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.8	35.6
229	21.6	15.7	23.5



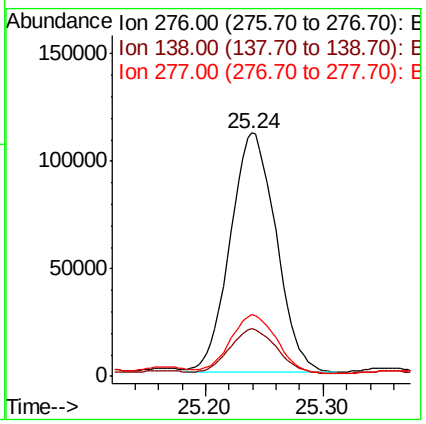


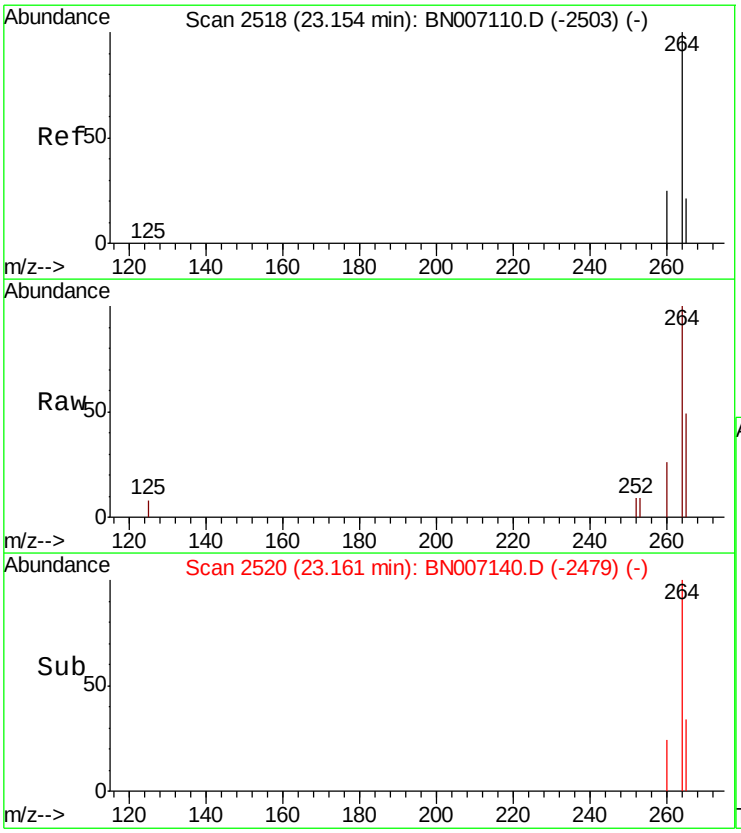
#31
Indeno(1,2,3-cd)pyrene
Concen: 1.612 ng
RT: 25.24 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 299678

Ion	Ratio	Lower	Upper
276	100		
138	19.2	16.0	24.0
277	25.0	19.9	29.9

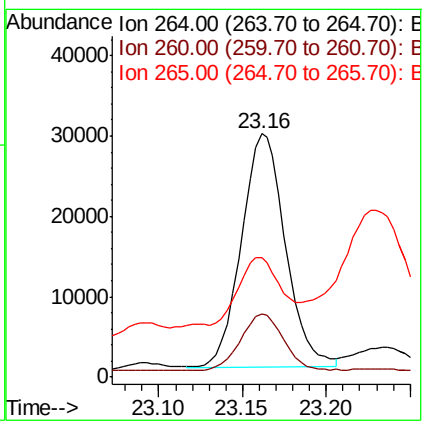


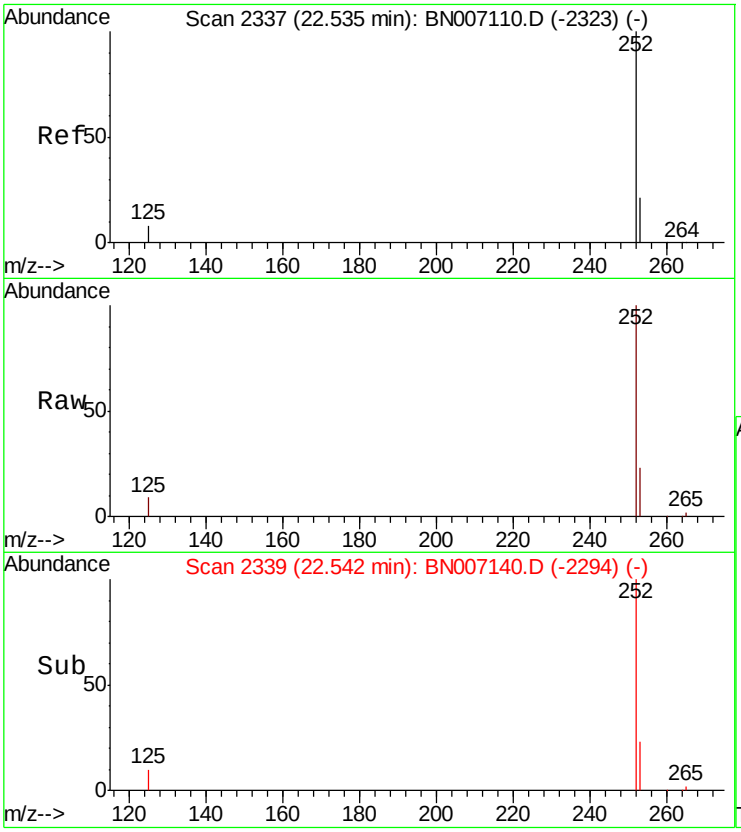


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Tgt Ion:264 Resp: 53618

Ion	Ratio	Lower	Upper
264	100		
260	26.1	19.8	29.8
265	49.1	26.2	39.4#



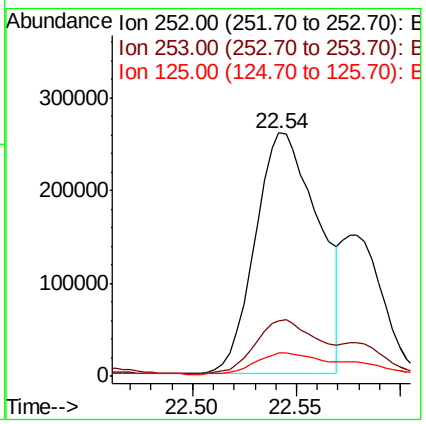


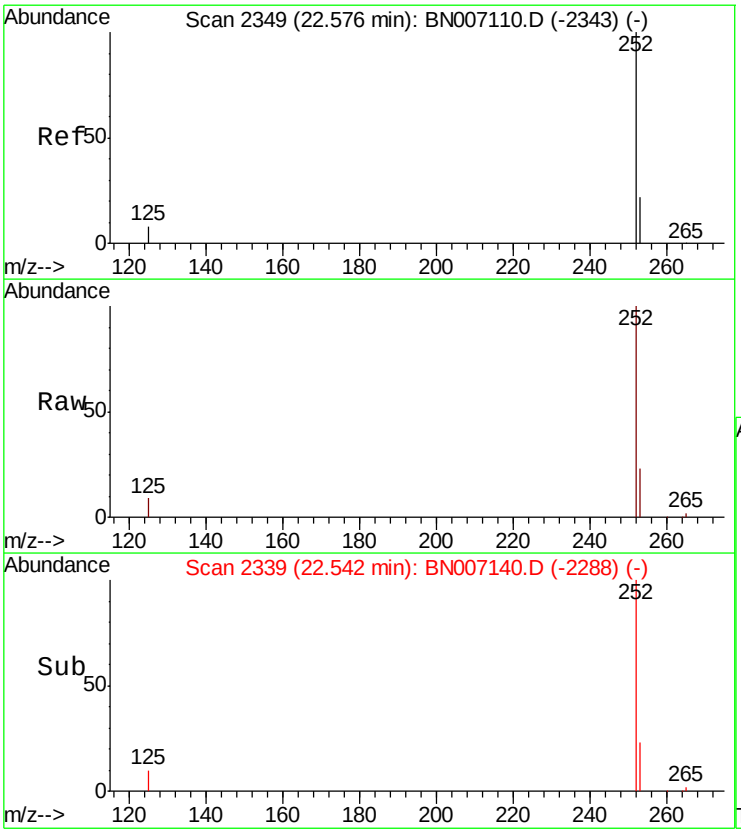
#33
Benzo(b)fluoranthene
Concen: 2.982 ng
RT: 22.54 min Scan# 2339
Delta R.T. -0.01 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 548244

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	9.4	7.4	11.0

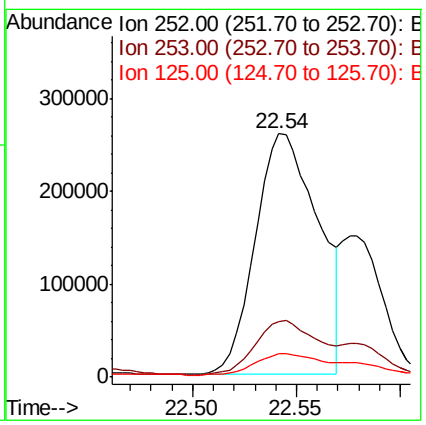


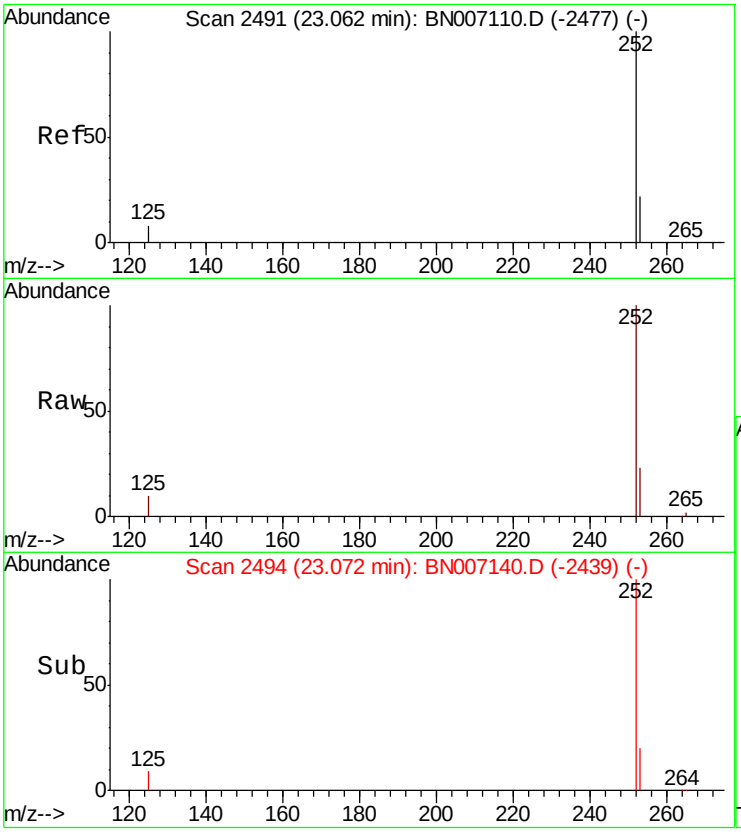


#34
Benzo(k)fluoranthene
Concen: 3.019 ng
RT: 22.54 min Scan# 2339
Delta R.T. -0.05 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Tgt Ion:252 Resp: 548244

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	9.4	7.4	11.0



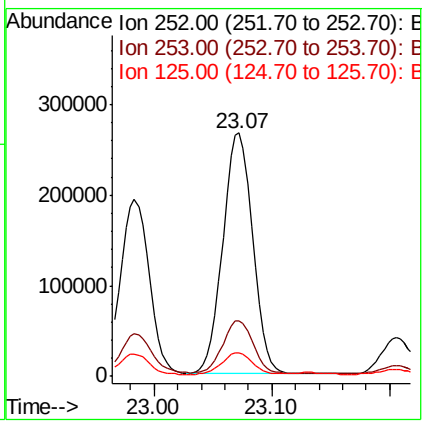


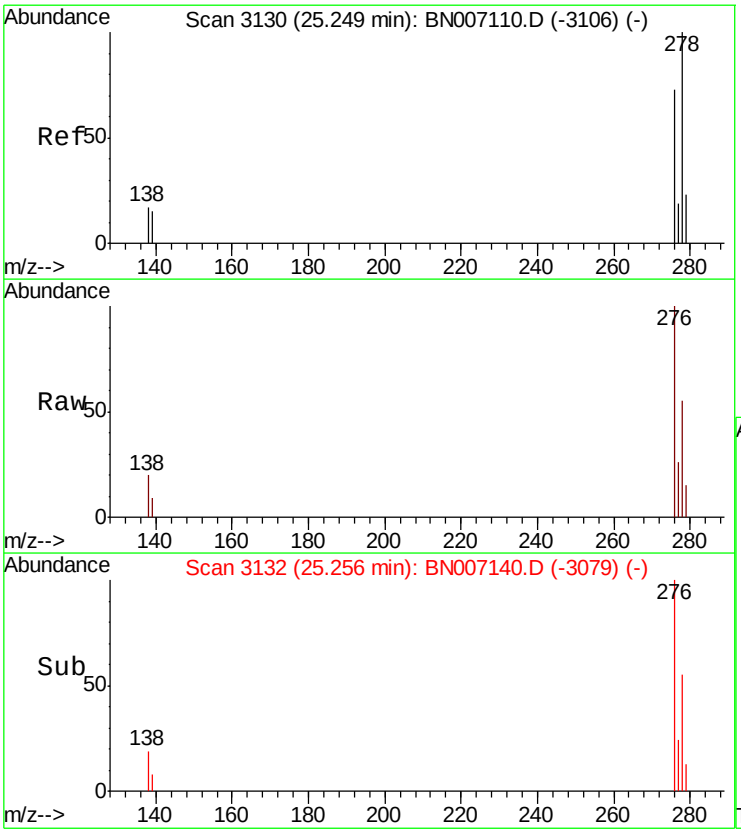
#35
Benzo(a)pyrene
Concen: 2.811 ng
RT: 23.07 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 468485

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.5	27.7
125	9.6	8.2	12.4

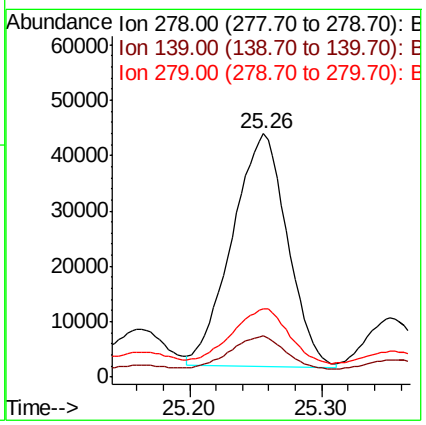


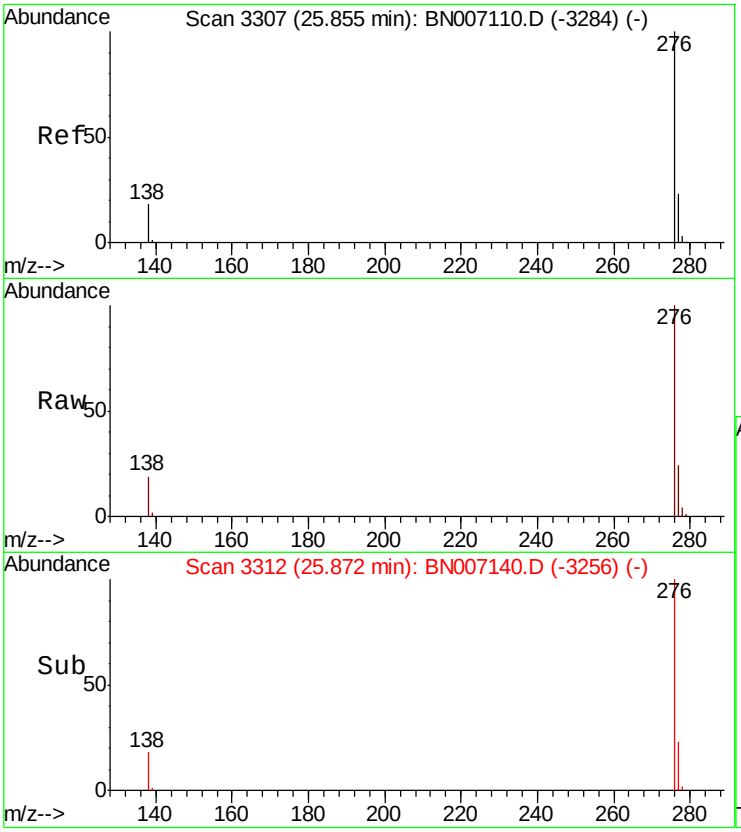


#36
Dibenzo(a,h)anthracene
Concen: 0.733 ng
RT: 25.26 min Scan# 3132
Delta R.T. -0.02 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Tgt Ion:278 Resp: 121975

Ion	Ratio	Lower	Upper
278	100		
139	16.9	11.3	16.9
279	28.2	19.3	28.9





#37
Benzo(g,h,i)perylene
Concen: 1.958 ng
RT: 25.87 min Scan# 3312
Delta R.T. -0.01 min
Lab File: BN007140.D
Acq: 13 Aug 2019 20:07

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 334873

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.8	29.8
138	19.0	14.6	22.0