Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081019\
Data File : BN007064.D
Acq On : 11 Aug 2019 00:47
Operator : HP/JU
Sample : K4239-03MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId :

Quant Time: Aug 11 04:37:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 10 21:44:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	7932	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	30142	0.40	ng		0.00
12) Acenaphthene-d10	14.08	164	17614	0.40	ng		0.00
18) Phenanthrene-d10	16.82	188	43909	0.40	ng		0.00
26) Chrysene-d12	21.05	240	44840	0.40	ng		-0.01
32) Perylene-d12	23.15	264	49334	0.40	ng		-0.02
System Monitoring Compounds							
3) 2-Fluorophenol	5.06	112	6348	0.33	ng		0.00
4) Phenol-d6	6.61	99	8565	0.36	ng		0.00
7) Nitrobenzene-d5	8.56	82	6468	0.27	ng		0.00
10) 2-Methylnaphthalene-d10	11.79	152	20982	0.37	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	1949	0.21	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	6595	0.26	ng		0.00
24) Fluoranthene-d10	18.87	212	41868	0.27	ng		0.00
28) Terphenyl-d14	19.49	244	33380	0.27	ng		0.00
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	3.35	42	1811	0.347	ng	#	83
5) bis(2-Chloroethyl)ether	6.87	93	7570	0.363	ng		99
8) Naphthalene	10.24	128	28088	0.332	ng		99
9) Hexachlorobutadiene	10.54	225	5603	0.311	ng	#	99
11) 2-Methylnaphthalene	11.87	142	20389	0.340	ng		98
15) Acenaphthylene	13.79	152	32040	0.348	ng		100
16) Acenaphthene	14.14	154	20362	0.345	ng		99
17) Fluorene	15.14	166	27682	0.314	ng		100
19) 4-Bromophenyl-phenylether	16.04	248	9944	0.366	ng		95
20) Hexachlorobenzene	16.14	284	8603	0.329	ng		100
21) Pentachlorophenol	16.48	266	2994	0.308	ng		99
22) Phenanthrene	16.87	178	91389	0.694	ng		100
23) Anthracene	16.96	178	47725	0.397	ng		100
25) Fluoranthene	18.90	202	147461	0.876	ng		100
27) Pyrene	19.26	202	133538	0.849	ng		98
29) Benzo(a)anthracene	21.02	228	94699	0.577	ng		99
30) Chrysene	21.08	228	95839	0.602	ng		99
31) Indeno(1,2,3-cd)pyrene	25.23	276	78737	0.448	ng		98
33) Benzo(b)fluoranthene	22.53	252	94851	0.561	ng		100
34) Benzo(k)fluoranthene	22.58	252	76407	0.457	ng		100
35) Benzo(a)pyrene	23.06	252	79011	0.515	ng		99
36) Dibenzo(a,h)anthracene	25.25	278	53186	0.348	ng		98
37) Benzo(g,h,i)perylene	25.86	276	68835	0.437	ng		100

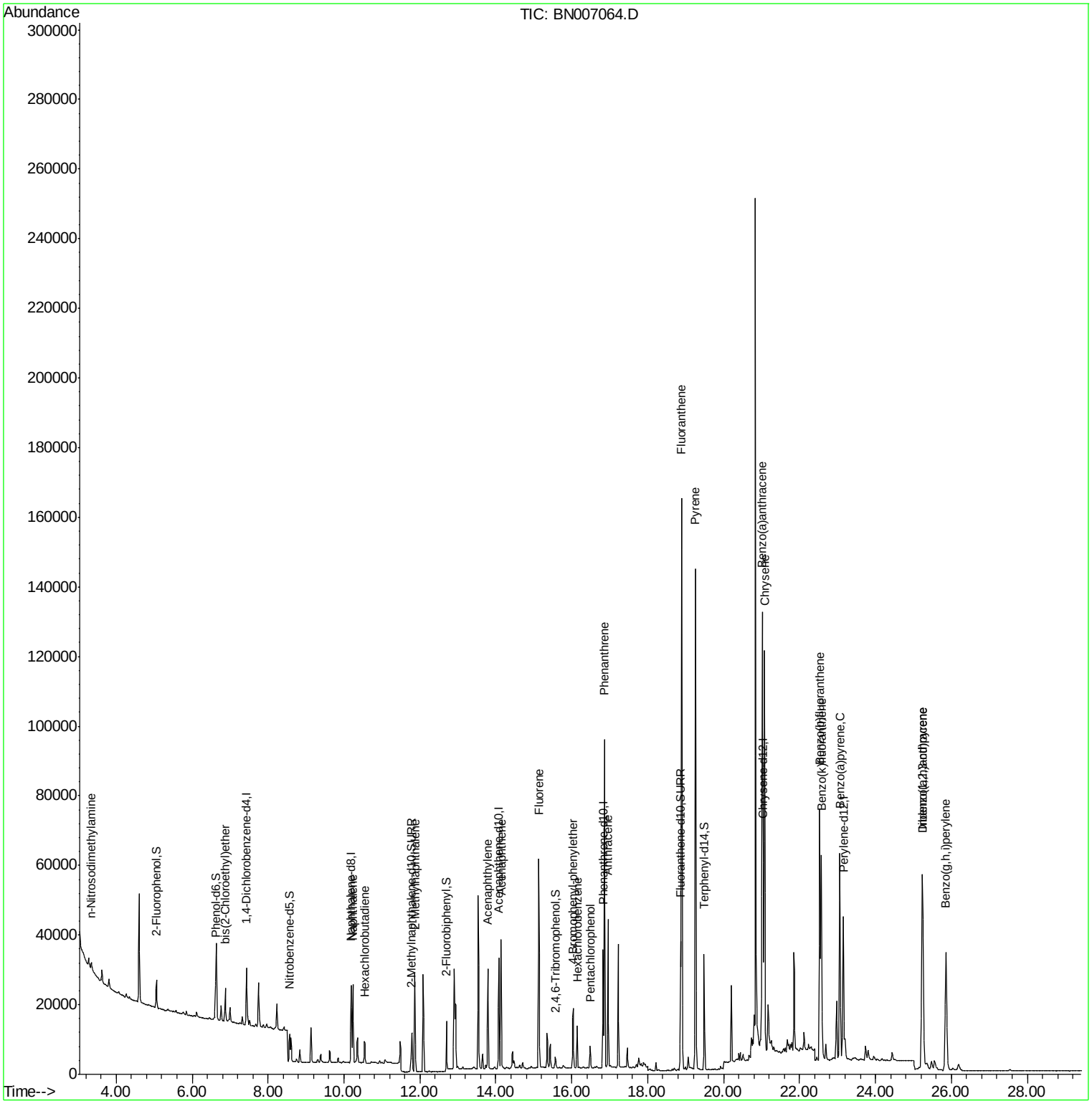
(#) = qualifier out of range (m) = manual integration (+) = signals summed

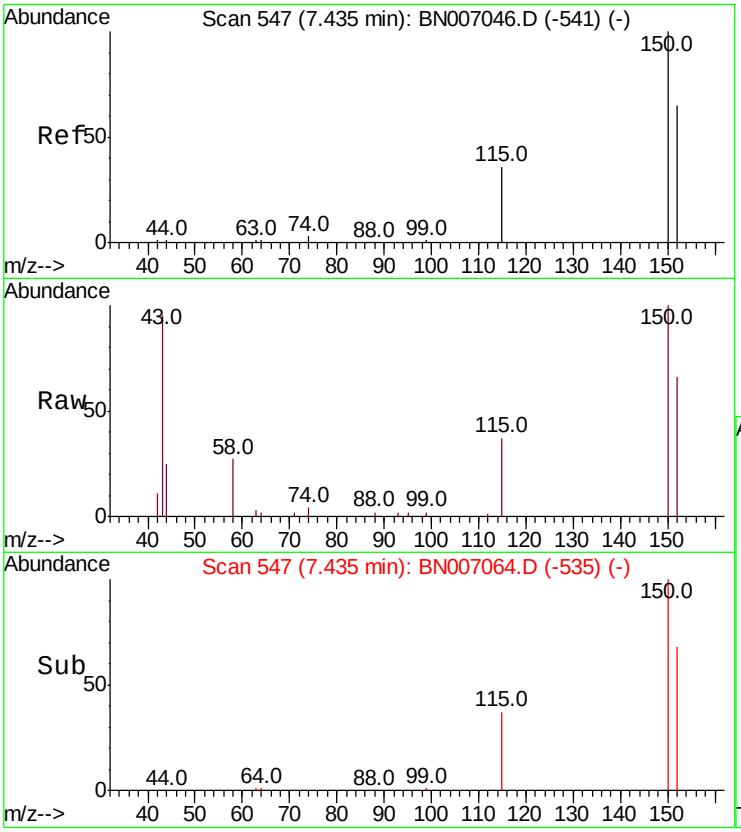
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081019\
Data File : BN007064.D
Acq On : 11 Aug 2019 00:47
Operator : HP/JU
Sample : K4239-03MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Aug 11 04:37:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 10 21:44:50 2019
Response via : Initial Calibration



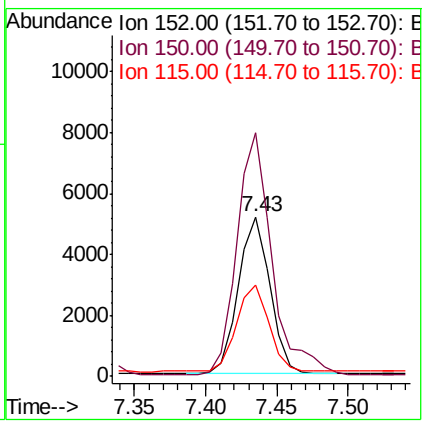


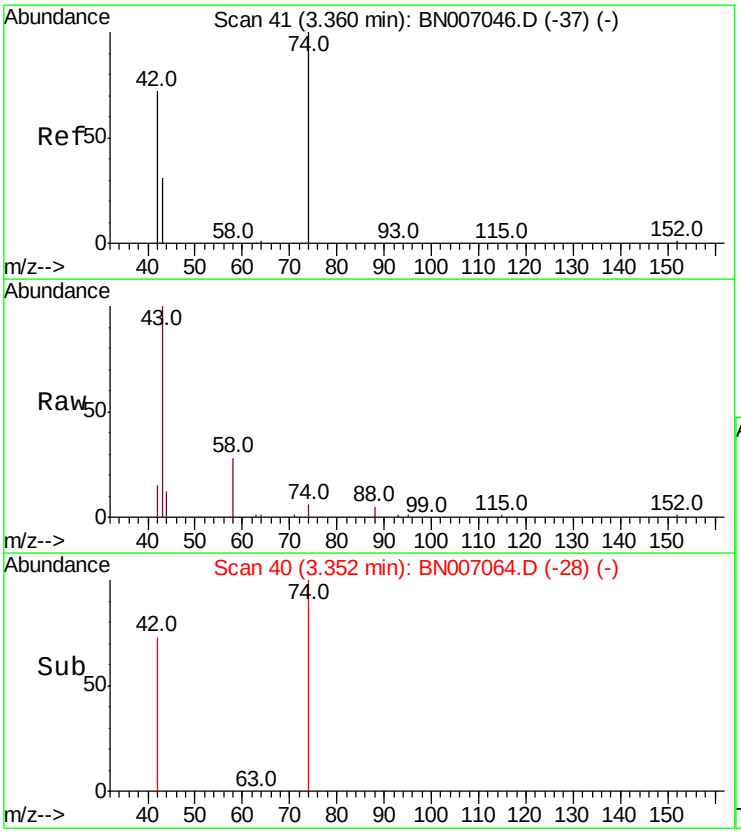
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 7932

Ion	Ratio	Lower	Upper
152	100		
150	152.7	121.7	182.5
115	57.0	46.2	69.4

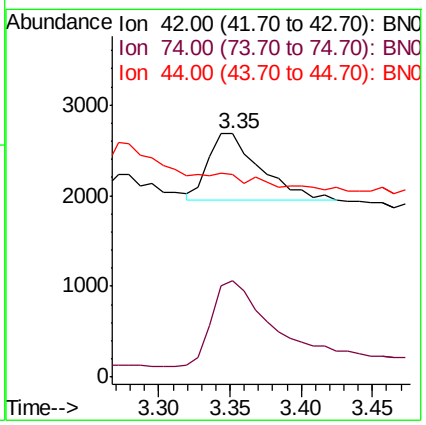


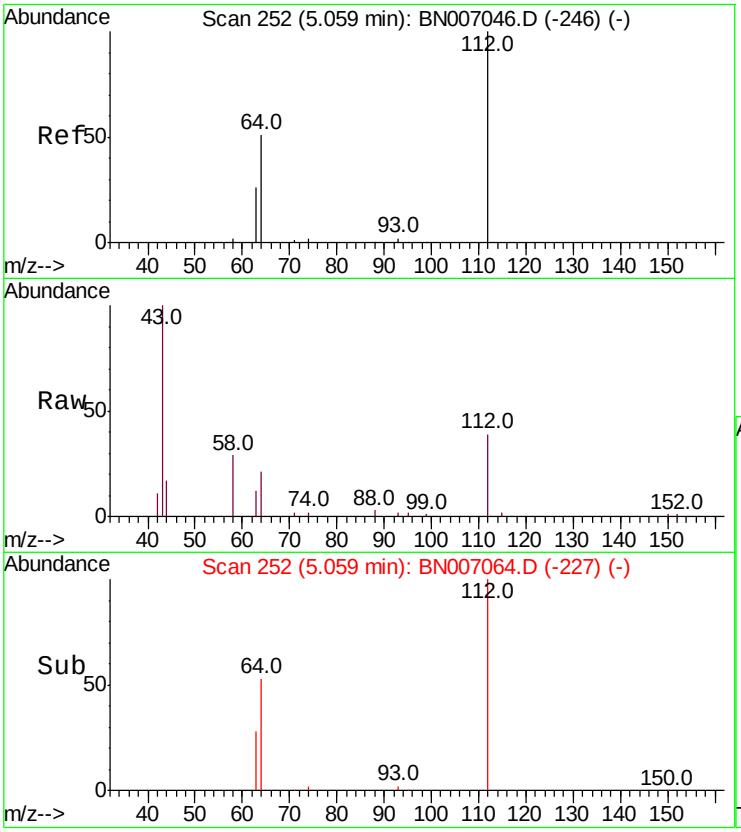


#2
n-Nitrosodimethylamine
Concen: 0.347 ng
RT: 3.35 min Scan# 40
Delta R.T. -0.01 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Tgt Ion: 42 Resp: 1811

Ion	Ratio	Lower	Upper
42	100		
74	159.3	110.6	166.0
44	0.0	0.0	0.0



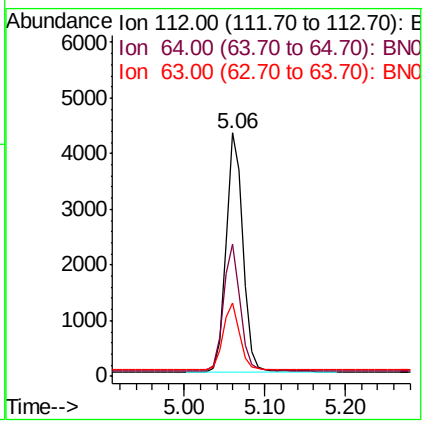


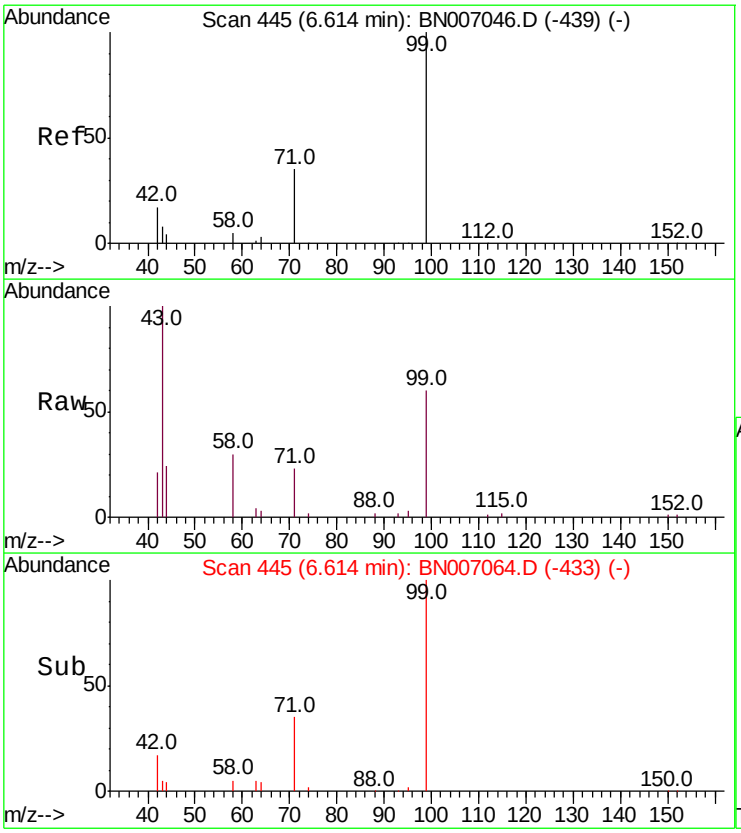
#3
2-Fluorophenol
Concen: 0.333 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:112 Resp: 6348

Ion	Ratio	Lower	Upper
112	100		
64	52.5	42.6	63.8
63	28.3	22.2	33.2

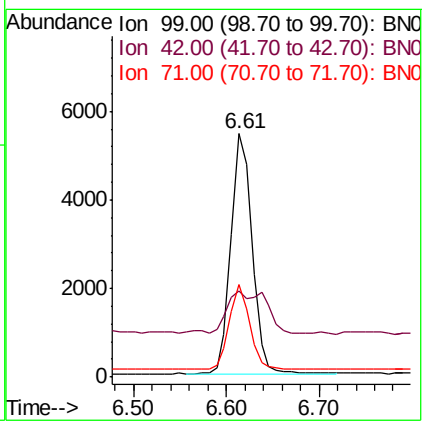


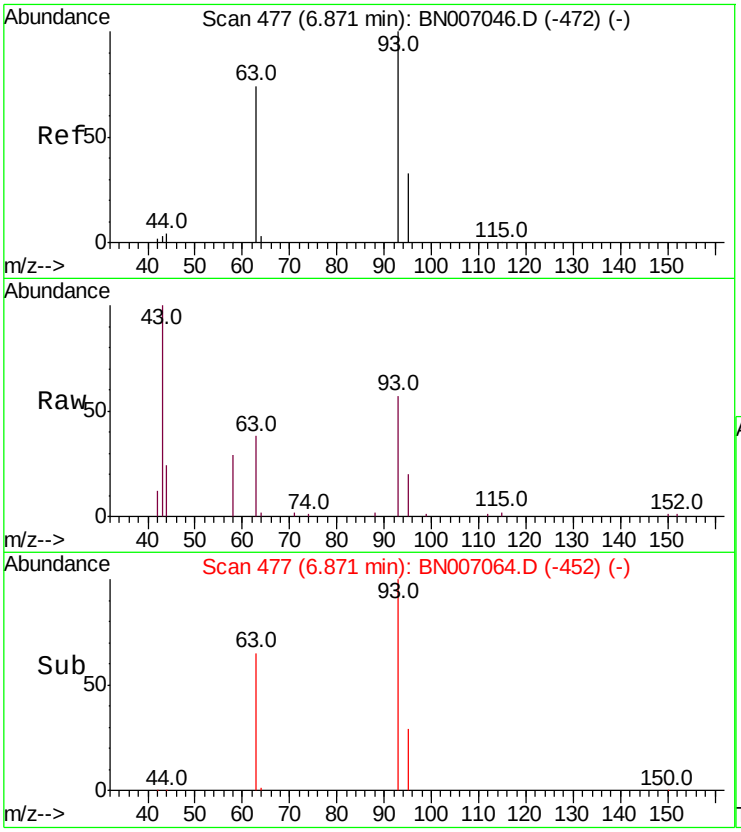


#4
Phenol-d6
Concen: 0.363 ng
RT: 6.61 min Scan# 445
Delta R.T. -0.00 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Tgt Ion: 99 Resp: 8565

Ion	Ratio	Lower	Upper
99	100		
42	34.2	15.8	23.6#
71	33.8	27.0	40.4



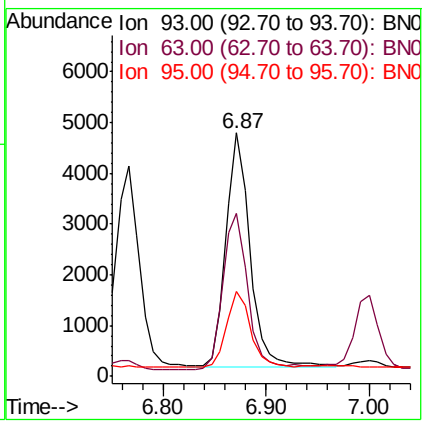


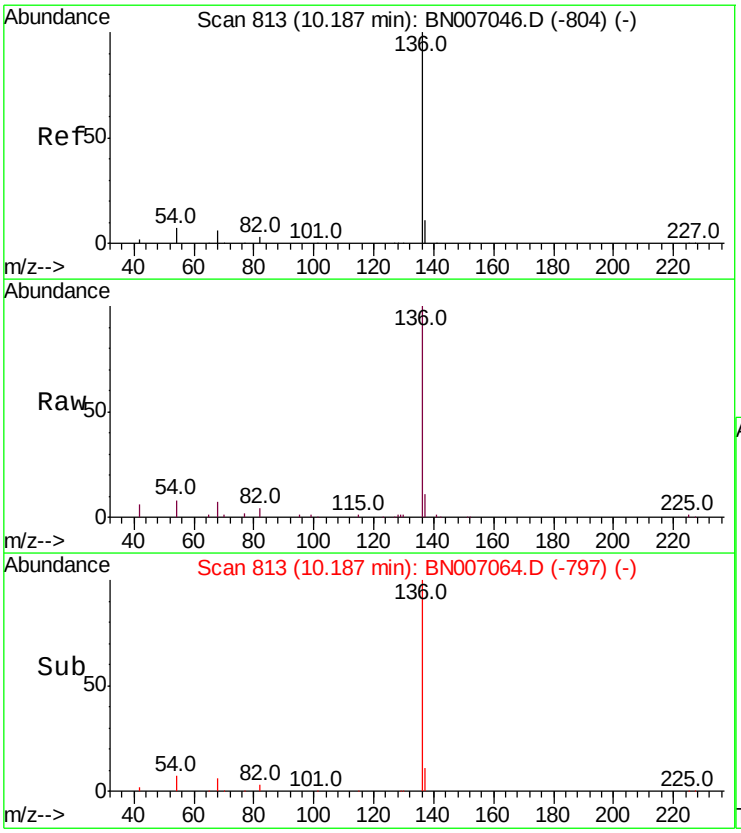
#5
bis(2-Chloroethyl)ether
Concen: 0.363 ng
RT: 6.87 min Scan# 477
Delta R.T. -0.00 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 93 Resp: 7570

Ion	Ratio	Lower	Upper
93	100		
63	69.6	55.6	83.4
95	32.5	26.7	40.1

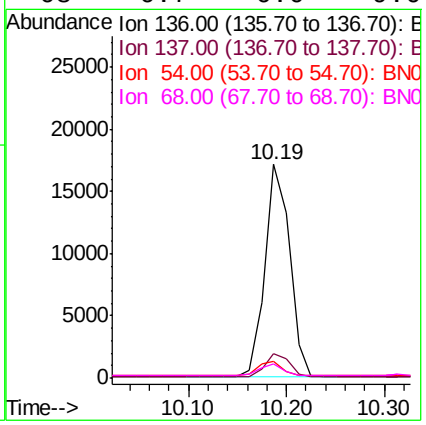


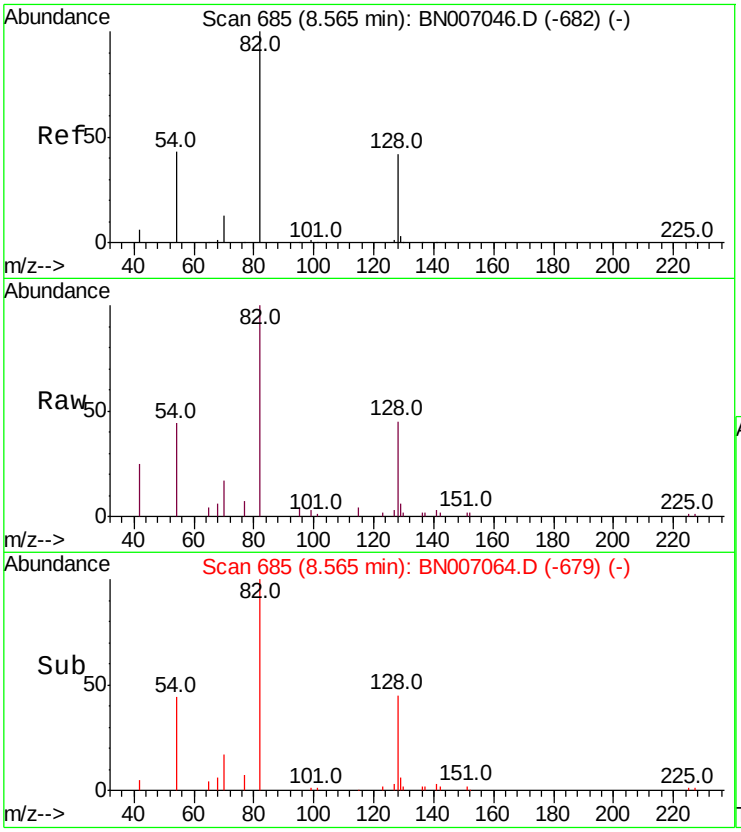


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Tgt Ion:136 Resp: 30142

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.4	14.0
54	7.5	6.6	9.8
68	6.7	6.0	9.0



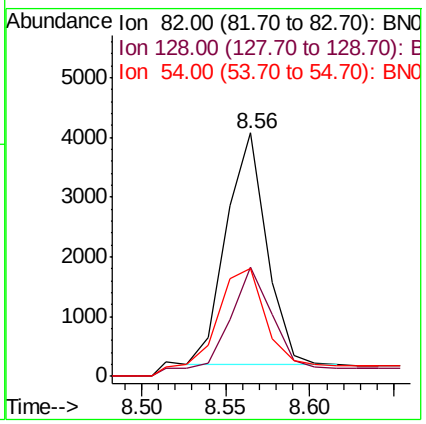


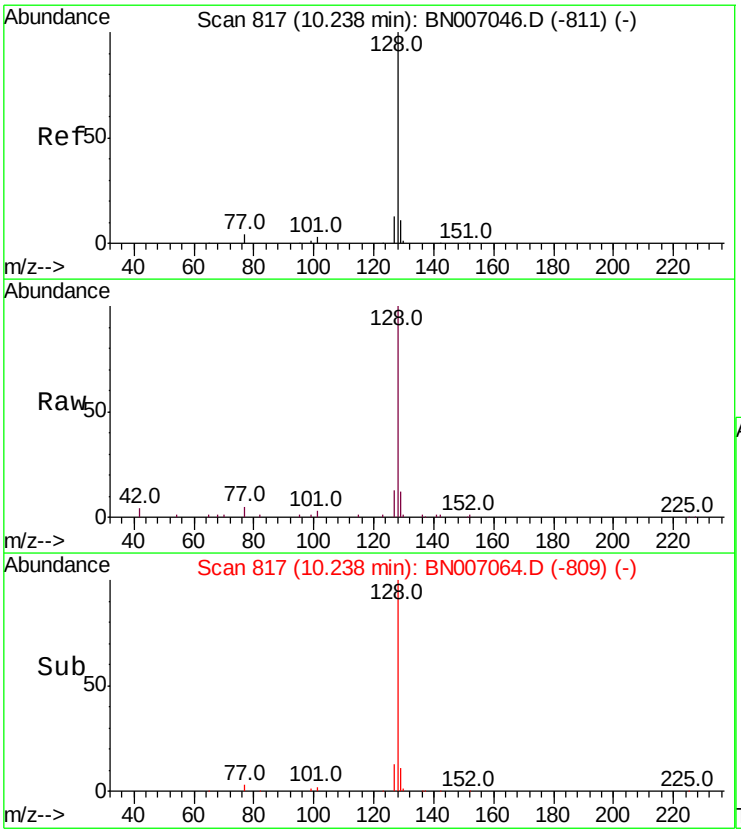
#7
Nitrobenzene-d5
Concen: 0.266 ng
RT: 8.56 min Scan# 685
Delta R.T. -0.00 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 82 Resp: 6468

Ion	Ratio	Lower	Upper
82	100		
128	45.0	34.6	51.8
54	44.1	36.2	54.4

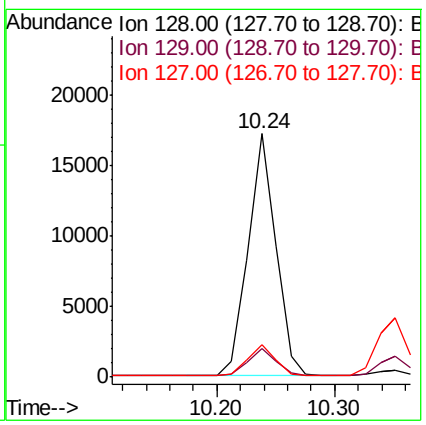


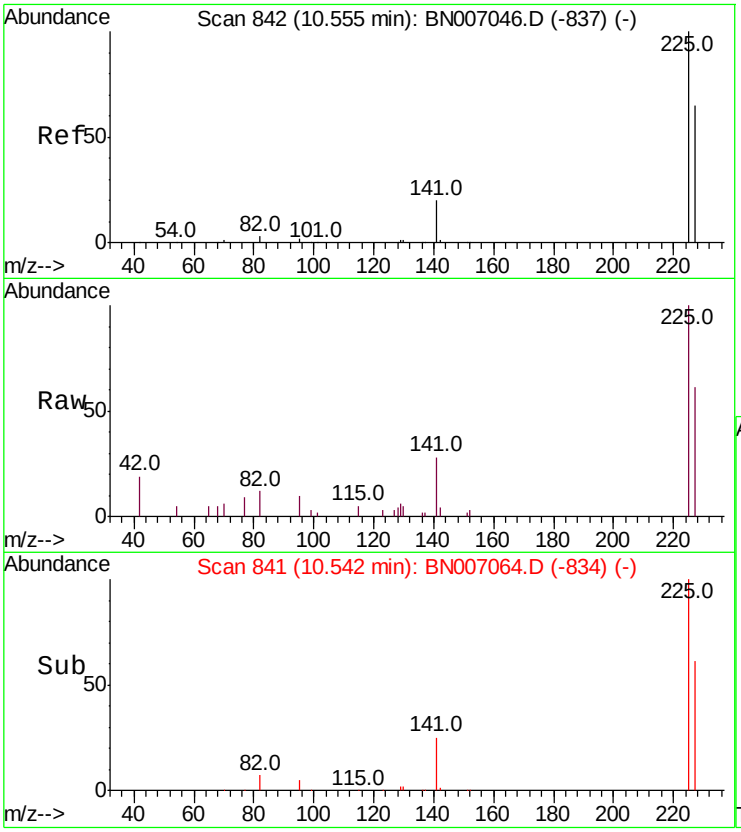


#8
Naphthalene
Concen: 0.332 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Tgt Ion:128 Resp: 28088

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.4	14.2
127	13.4	11.0	16.6



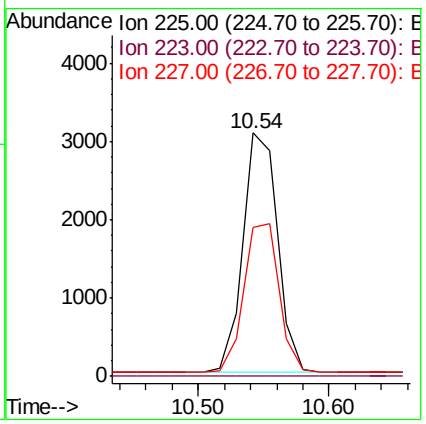


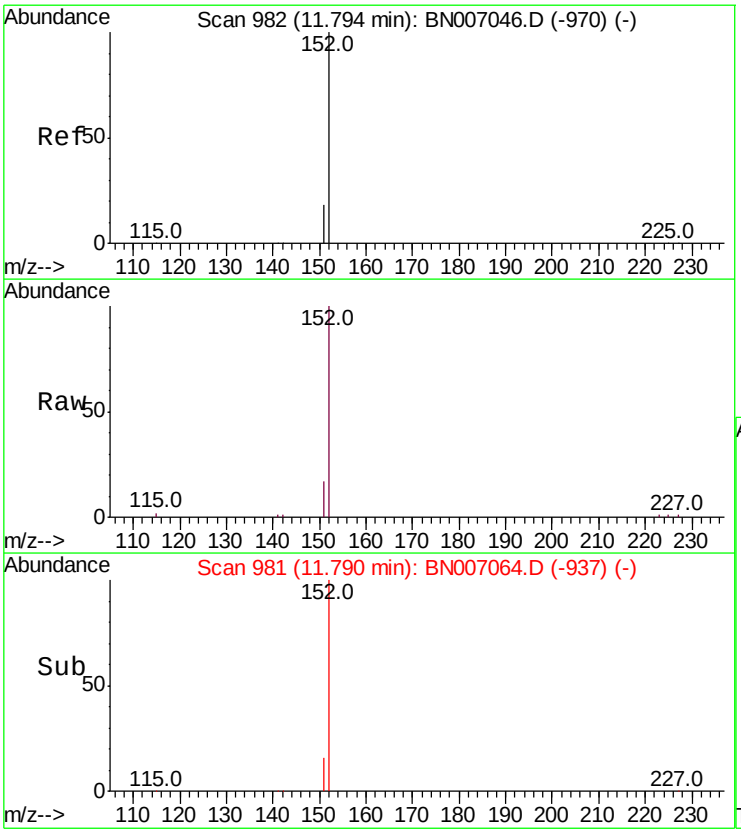
#9
Hexachlorobutadiene
Concen: 0.311 ng
RT: 10.54 min Scan# 841
Delta R.T. -0.01 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:225 Resp: 5603

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.1	51.1	76.7

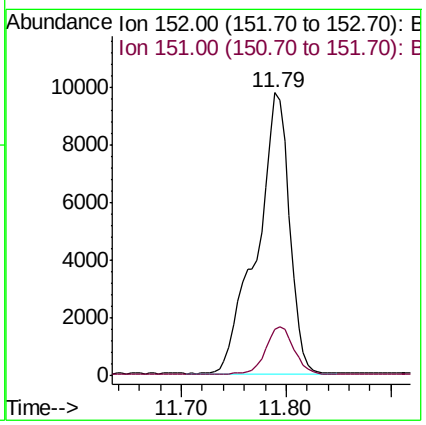


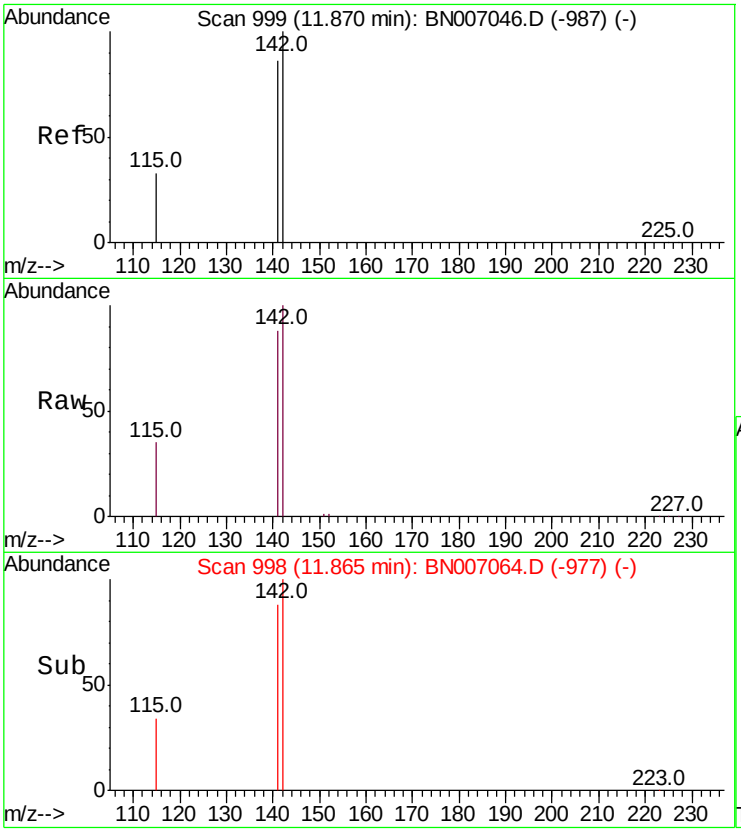


#10
2-Methylnaphthalene-d10
Concen: 0.373 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Tgt Ion:152 Resp: 20982

Ion	Ratio	Lower	Upper
152	100		
151	14.4	15.5	23.3#



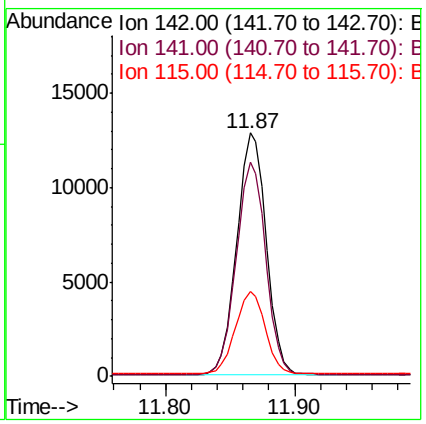


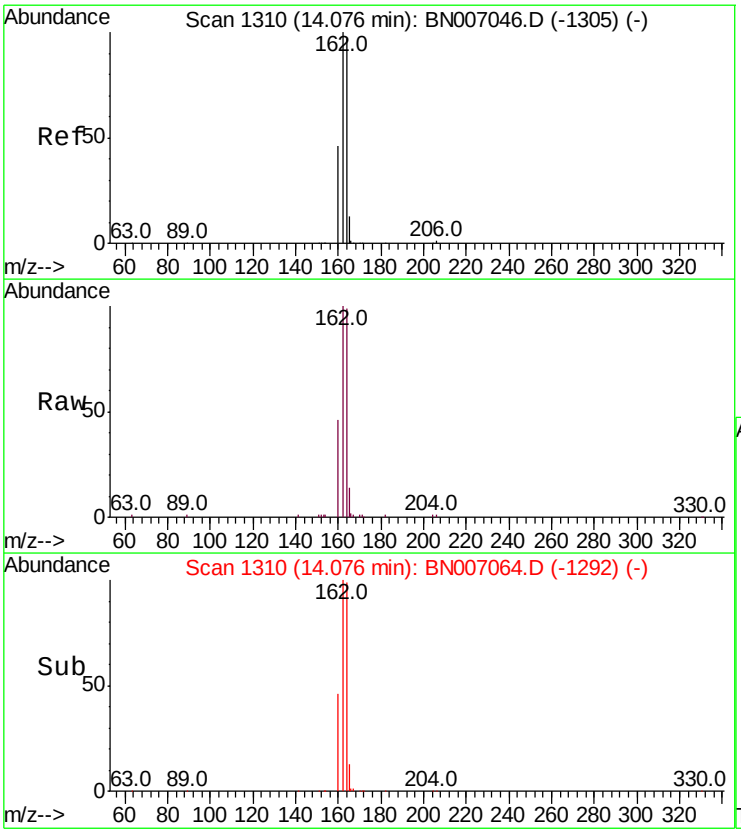
#11
2-Methylnaphthalene
Concen: 0.340 ng
RT: 11.87 min Scan# 998
Delta R.T. -0.00 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:142 Resp: 20389

Ion	Ratio	Lower	Upper
142	100		
141	87.8	69.0	103.6
115	34.8	27.1	40.7

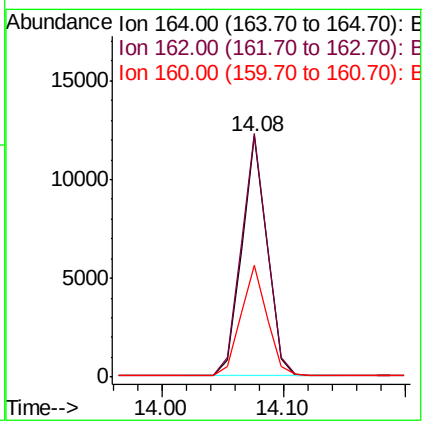


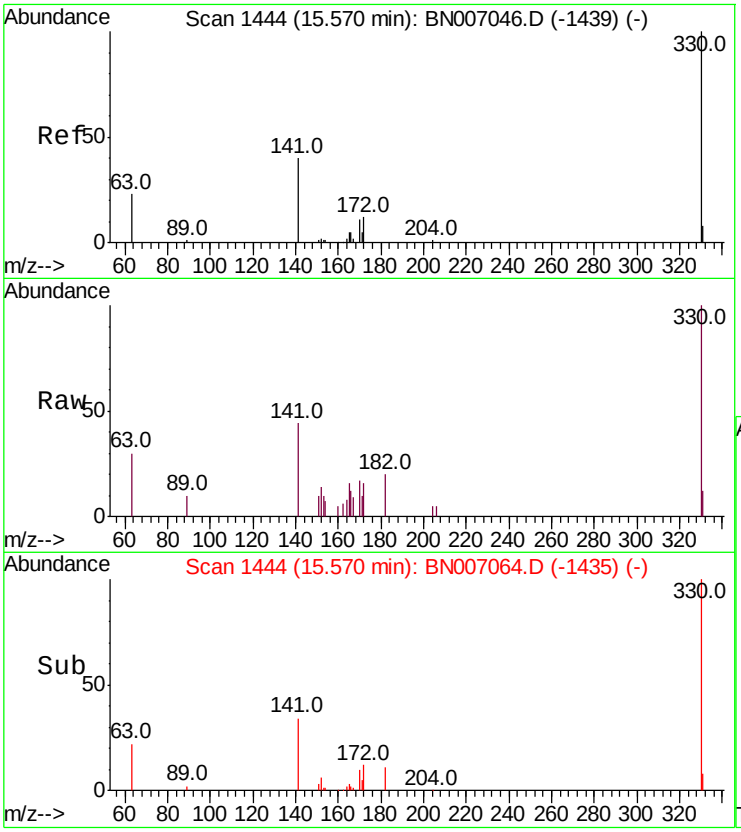


#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Tgt Ion:164 Resp: 17614

Ion	Ratio	Lower	Upper
164	100		
162	101.2	82.2	123.4
160	46.5	38.3	57.5



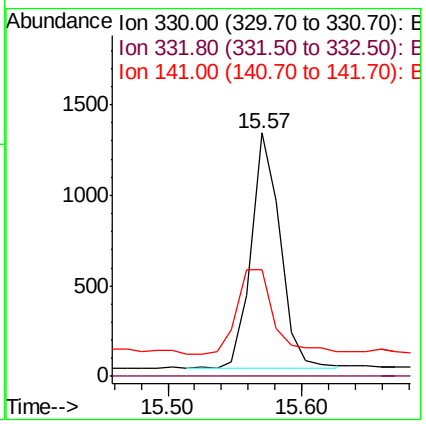


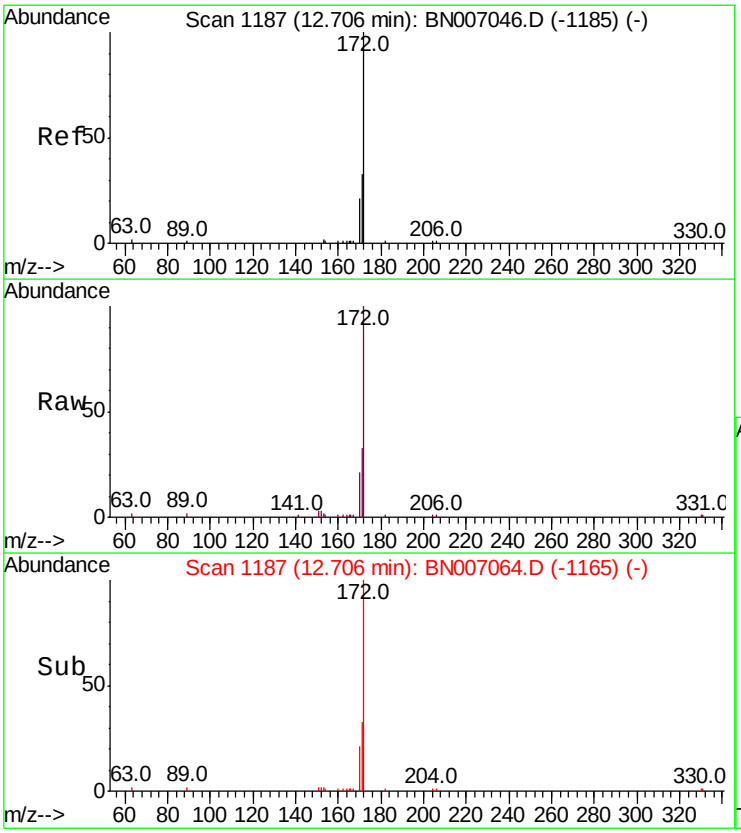
#13
2,4,6-Tribromophenol
Concen: 0.205 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:330 Resp: 1949

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	45.7	33.6	50.4

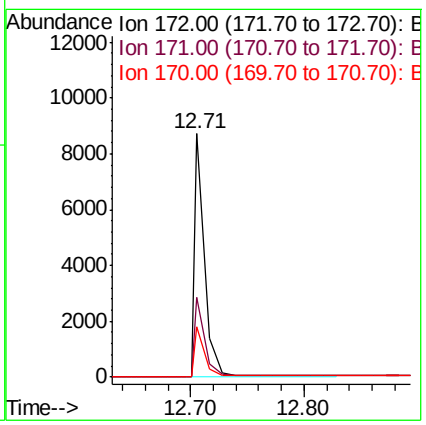


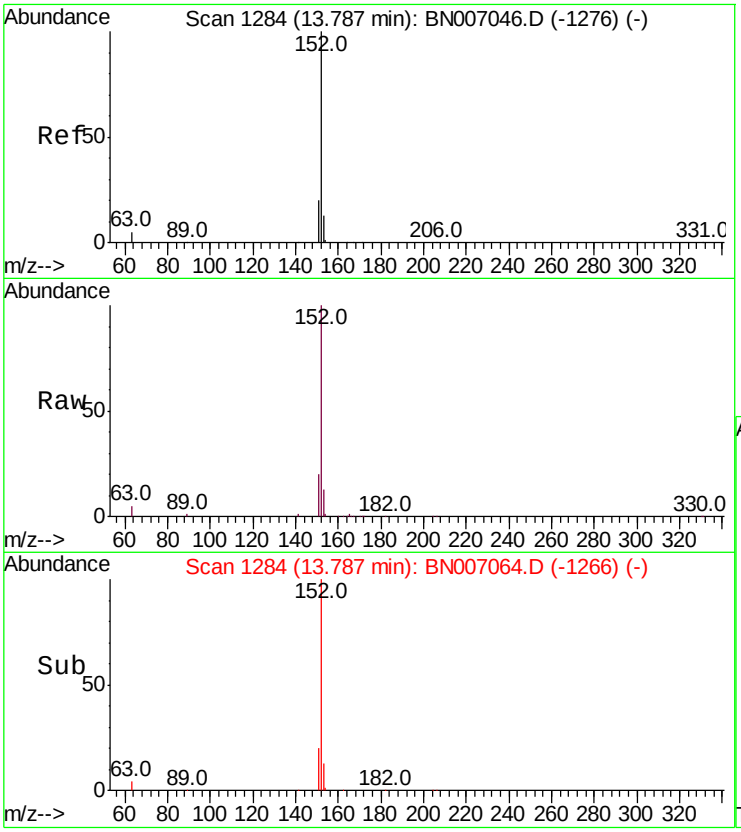


#14
2-Fluorobiphenyl
Concen: 0.258 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Tgt Ion:172 Resp: 6595

Ion	Ratio	Lower	Upper
172	100		
171	32.9	26.3	39.5
170	20.5	17.0	25.4



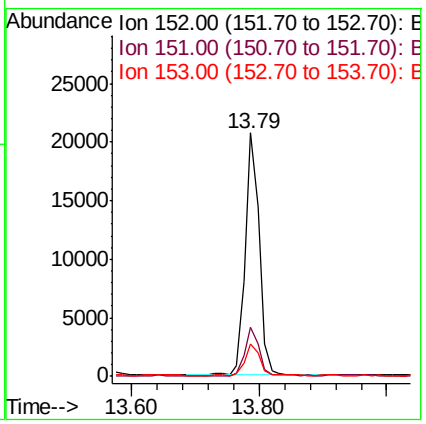


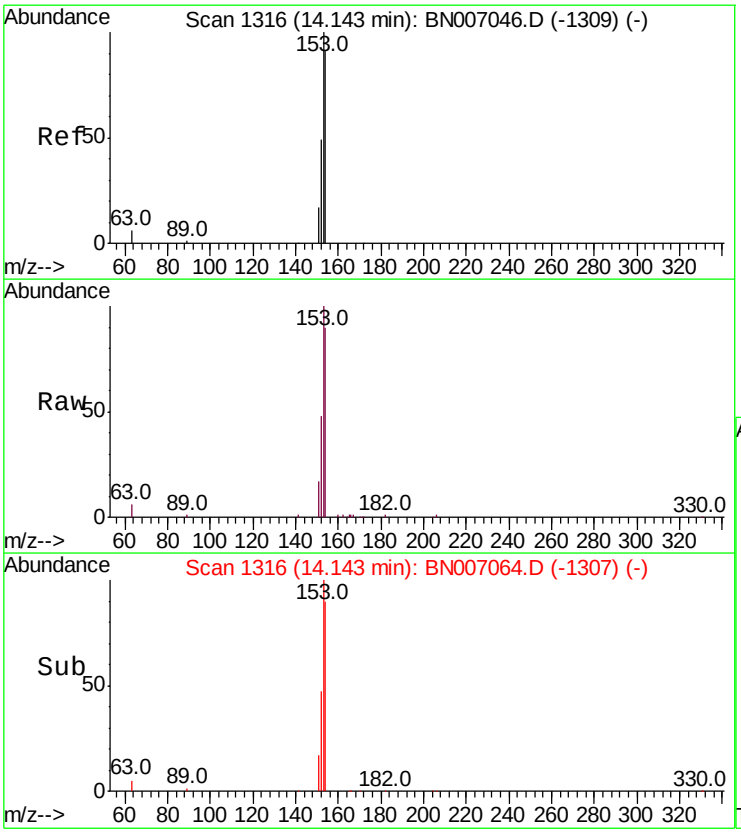
#15
Acenaphthylene
Concen: 0.348 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 32040

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.1	10.4	15.6

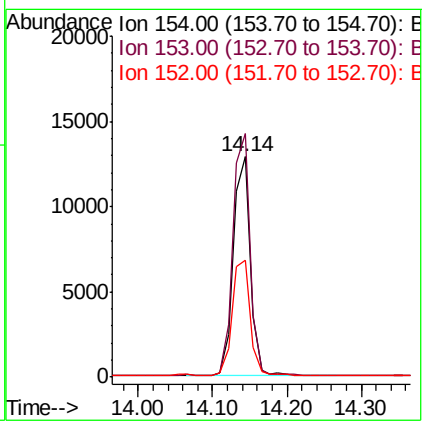


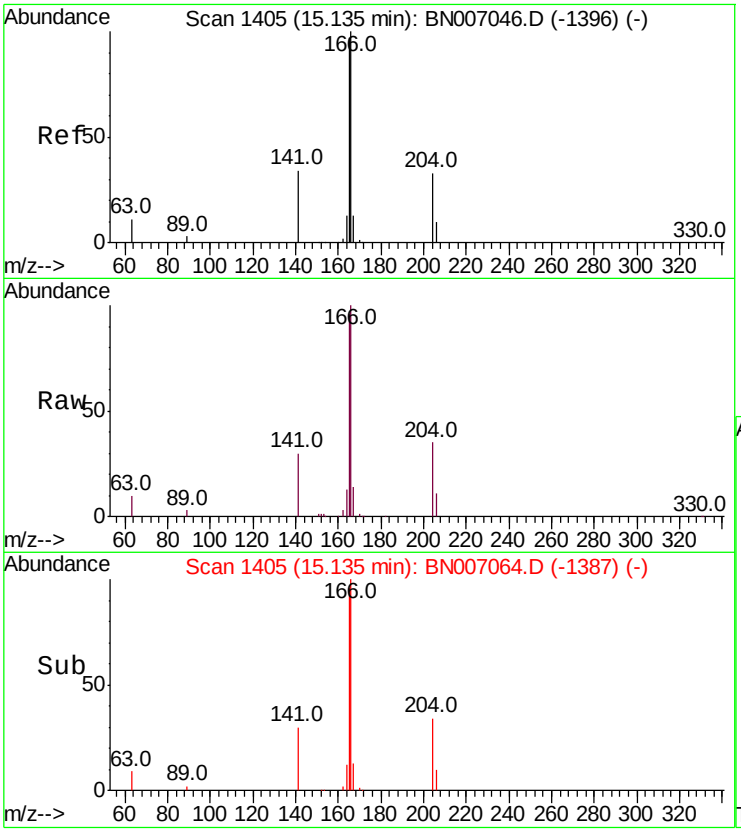


#16
Acenaphthene
Concen: 0.345 ng
RT: 14.14 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Tgt Ion:154 Resp: 20362

Ion	Ratio	Lower	Upper
154	100		
153	110.9	89.5	134.3
152	55.2	44.8	67.2



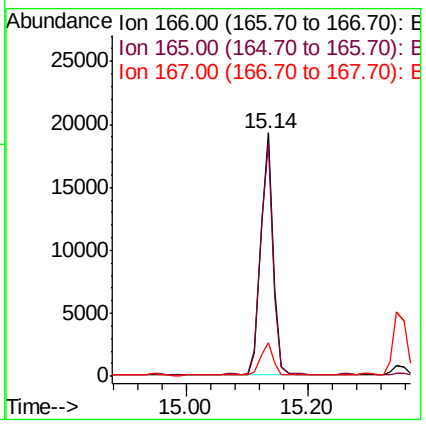


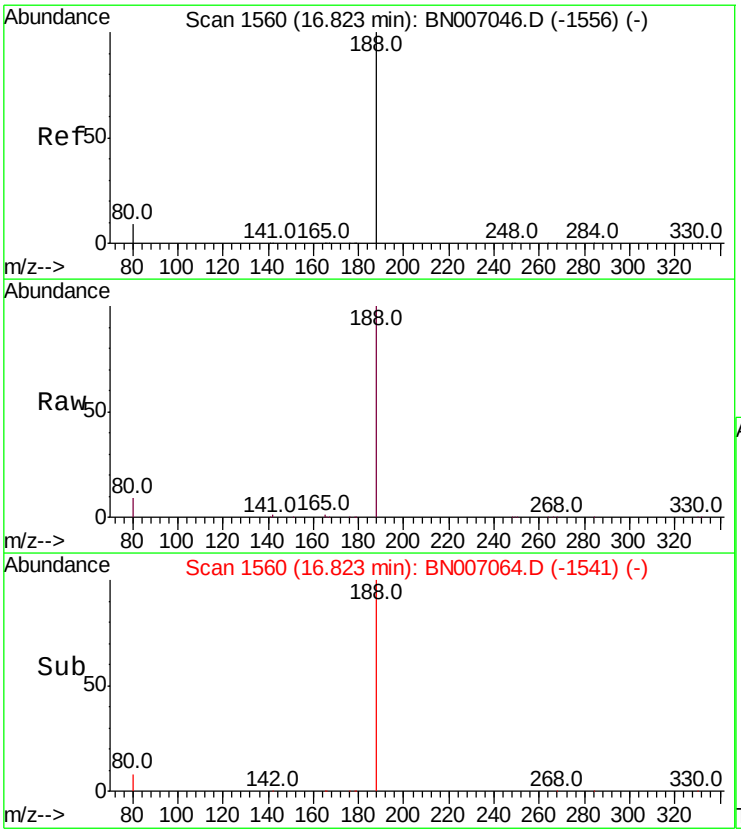
#17
Fluorene
Concen: 0.314 ng
RT: 15.14 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:166 Resp: 27682

Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.9	116.9
167	13.5	10.9	16.3

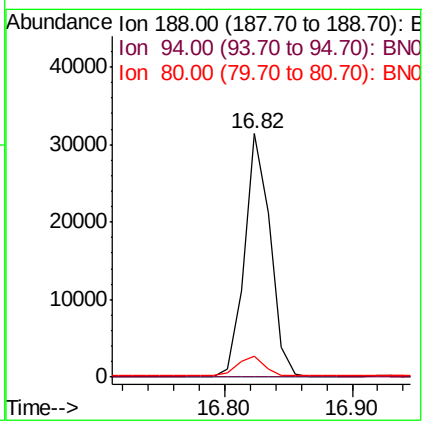


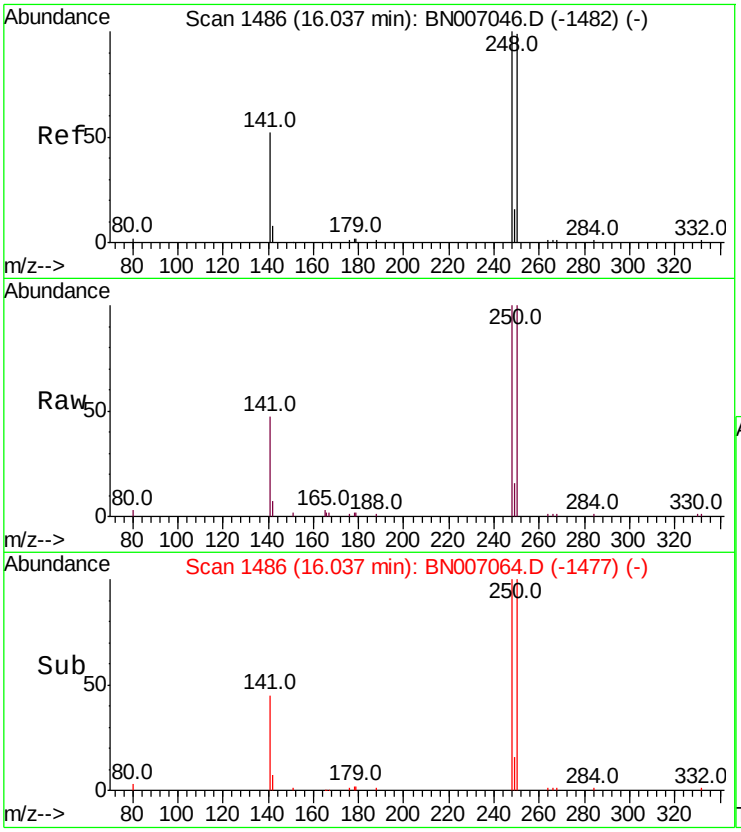


#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Tgt Ion:188 Resp: 43909

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.8	7.8	11.6



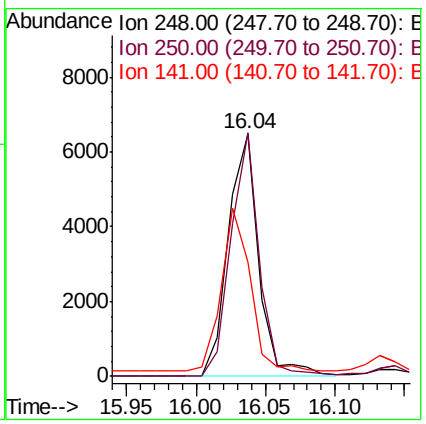


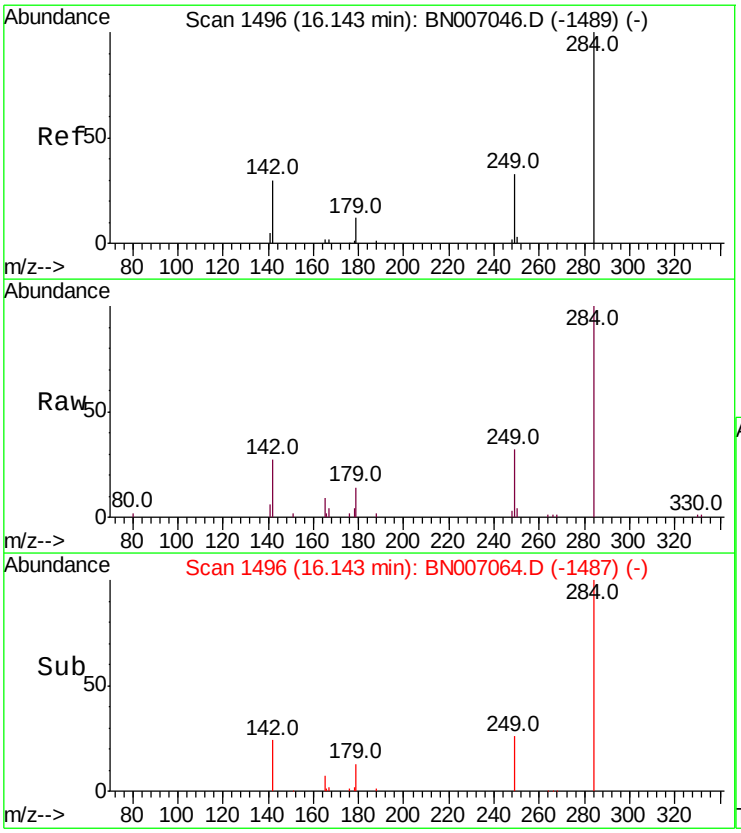
#19
4-Bromophenyl-phenylether
Concen: 0.366 ng
RT: 16.04 min Scan# 1486
Delta R.T. -0.00 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:248 Resp: 9944

Ion	Ratio	Lower	Upper
248	100		
250	100.3	78.9	118.3
141	47.0	43.3	64.9

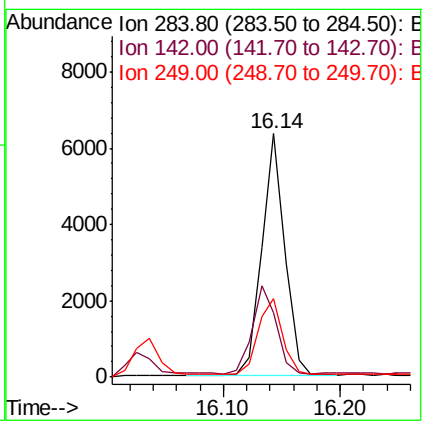


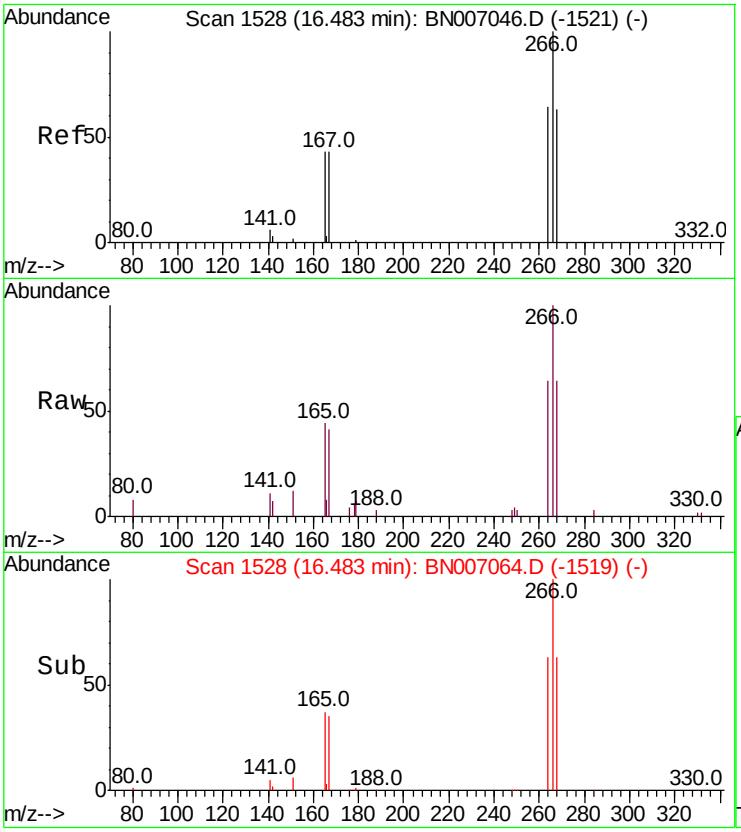


#20
Hexachlorobenzene
Concen: 0.329 ng
RT: 16.14 min Scan# 1496
Delta R.T. -0.00 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Tgt Ion:284 Resp: 8603

Ion	Ratio	Lower	Upper
284	100		
142	37.9	30.5	45.7
249	33.5	26.7	40.1



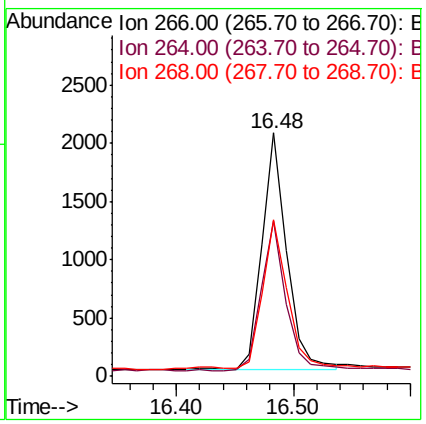


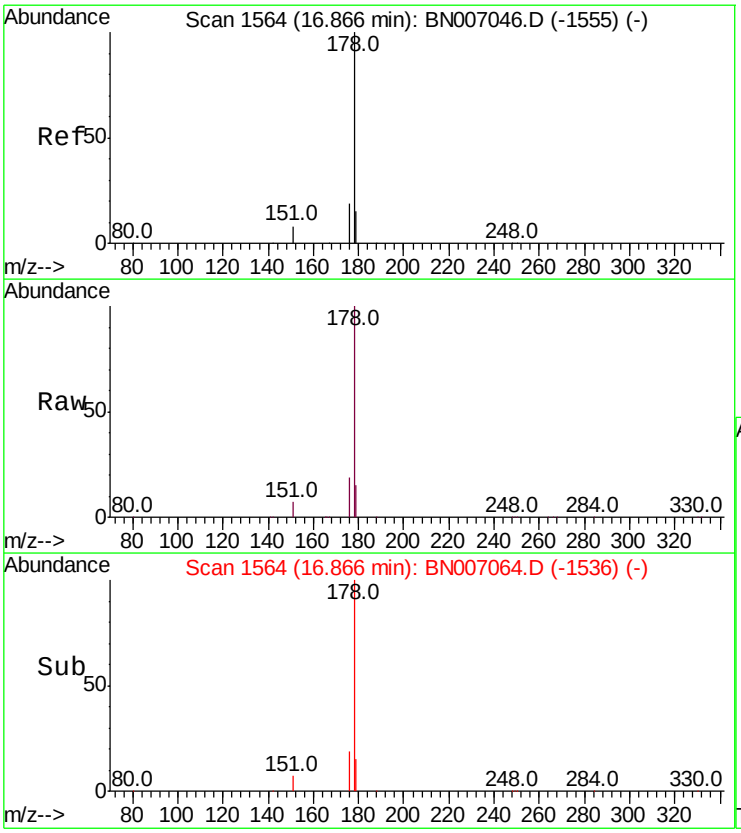
#21
Pentachlorophenol
Concen: 0.308 ng
RT: 16.48 min Scan# 1528
Delta R.T. -0.00 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:266 Resp: 2994

Ion	Ratio	Lower	Upper
266	100		
264	64.0	52.3	78.5
268	64.2	51.5	77.3

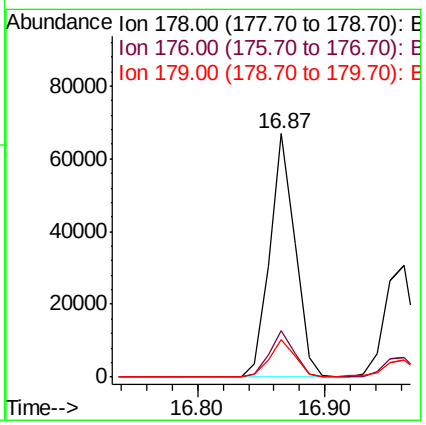


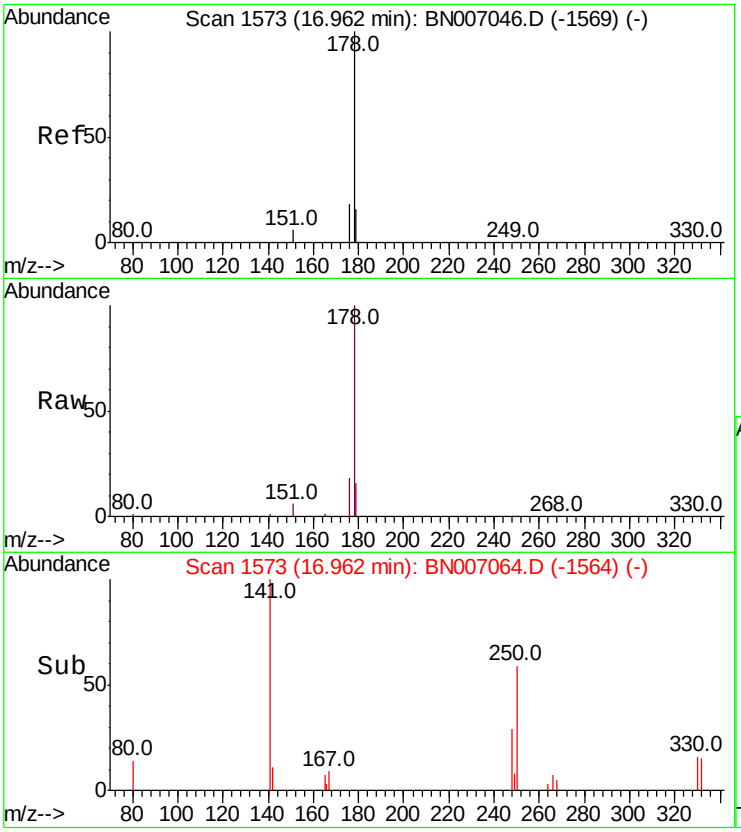


#22
Phenanthrene
Concen: 0.694 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Tgt Ion:178 Resp: 91389

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.3	12.3	18.5



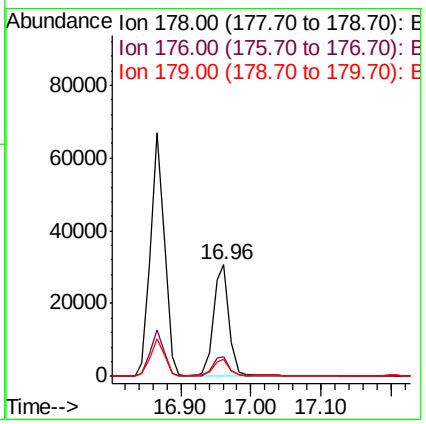


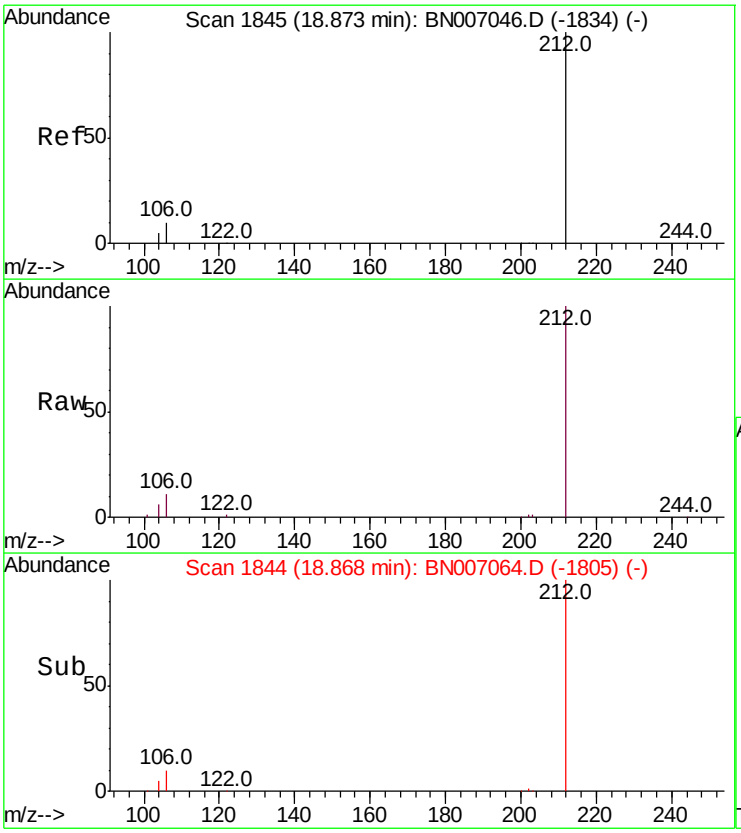
#23
Anthracene
Concen: 0.397 ng
RT: 16.96 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp: 47725

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	15.5	12.5	18.7

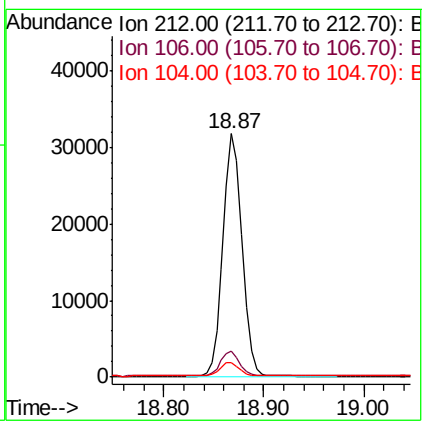


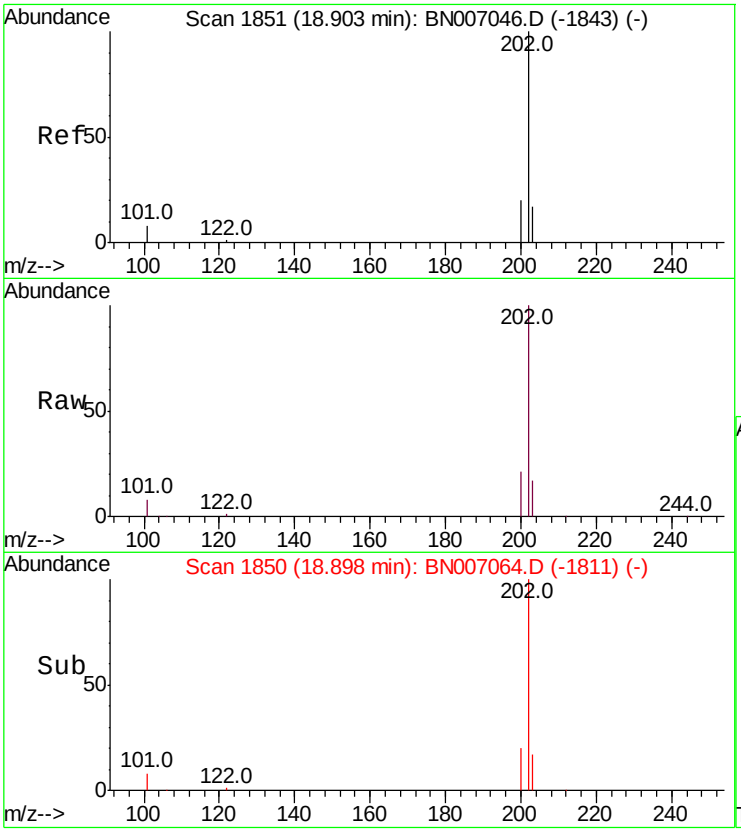


#24
Fluoranthene-d10
Concen: 0.269 ng
RT: 18.87 min Scan# 1844
Delta R.T. -0.00 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Tgt Ion:212 Resp: 41868

Ion	Ratio	Lower	Upper
212	100		
106	10.2	8.2	12.2
104	5.6	4.5	6.7



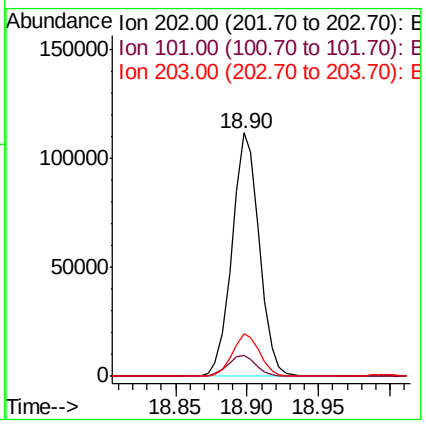


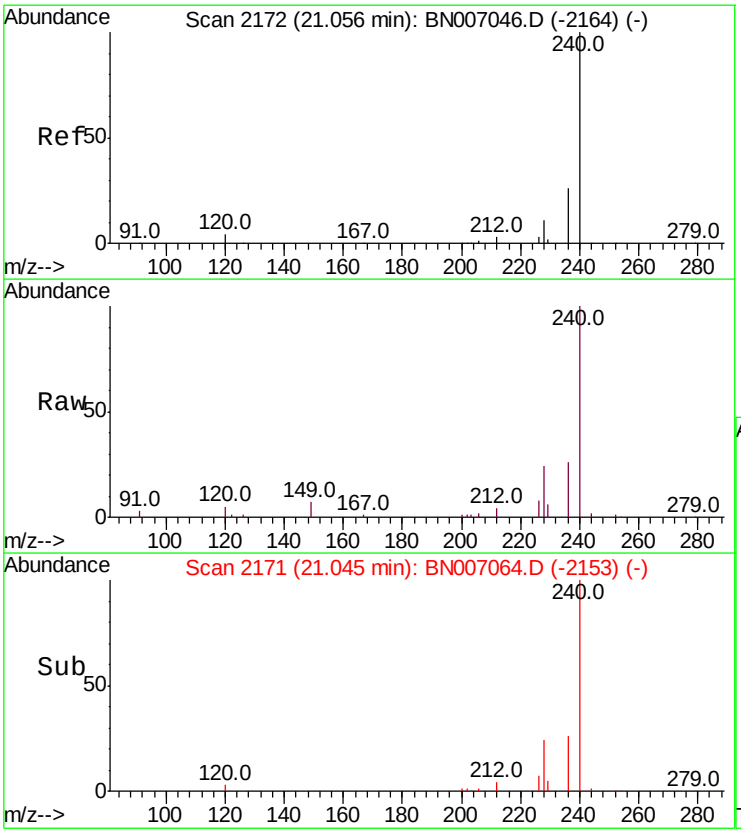
#25
Fluoranthene
Concen: 0.876 ng
RT: 18.90 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:202 Resp: 147461

Ion	Ratio	Lower	Upper
202	100		
101	8.6	7.0	10.4
203	17.4	13.8	20.8

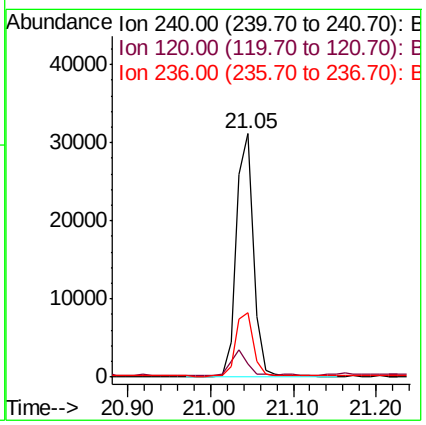


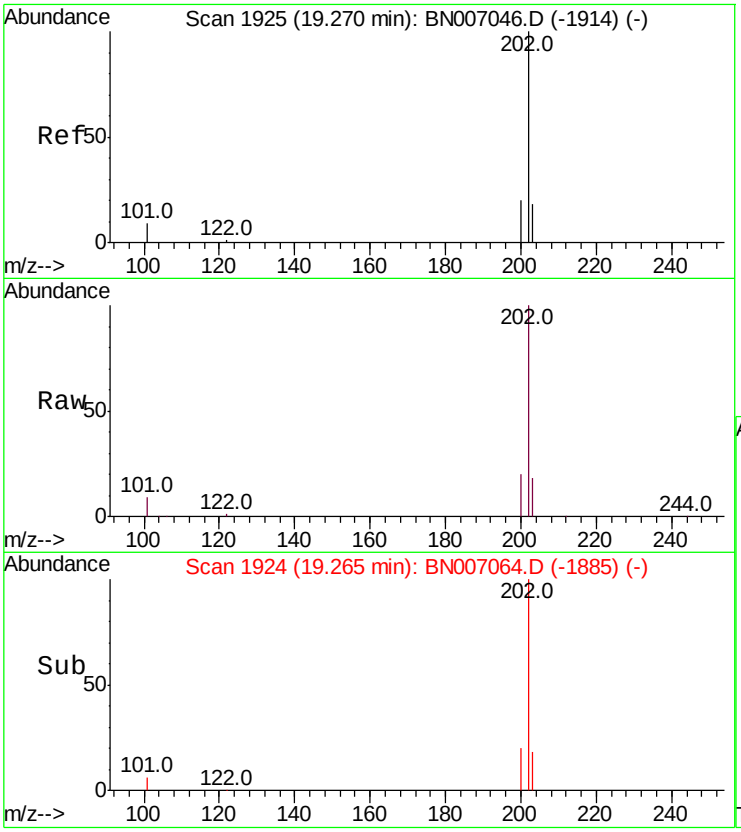


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Tgt Ion:240 Resp: 44840

Ion	Ratio	Lower	Upper
240	100		
120	5.3	4.0	6.0
236	26.3	21.3	31.9



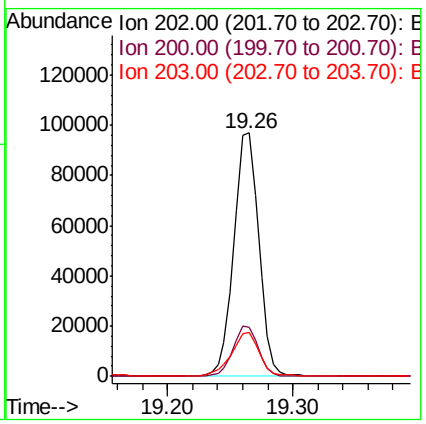


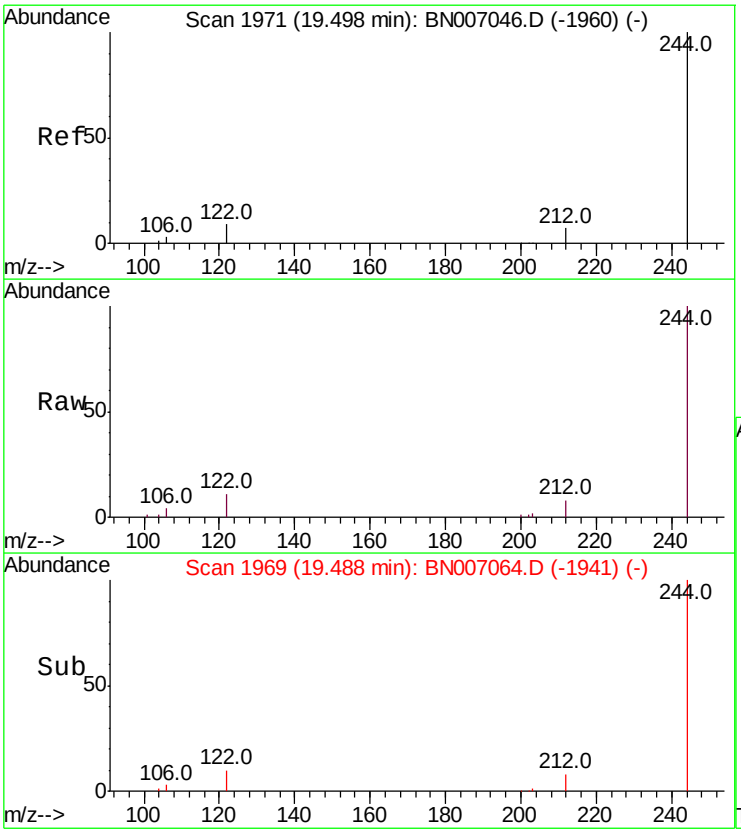
#27
Pyrene
Concen: 0.849 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.00 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:202 Resp: 133538

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	24.8
203	19.8	14.0	21.0

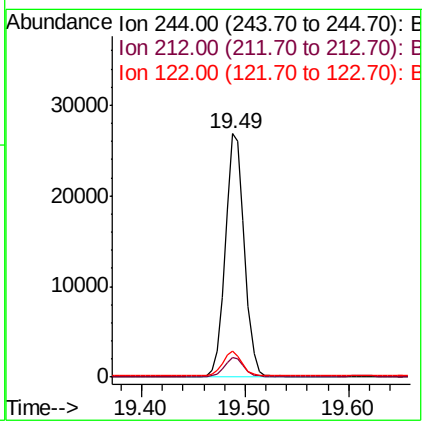


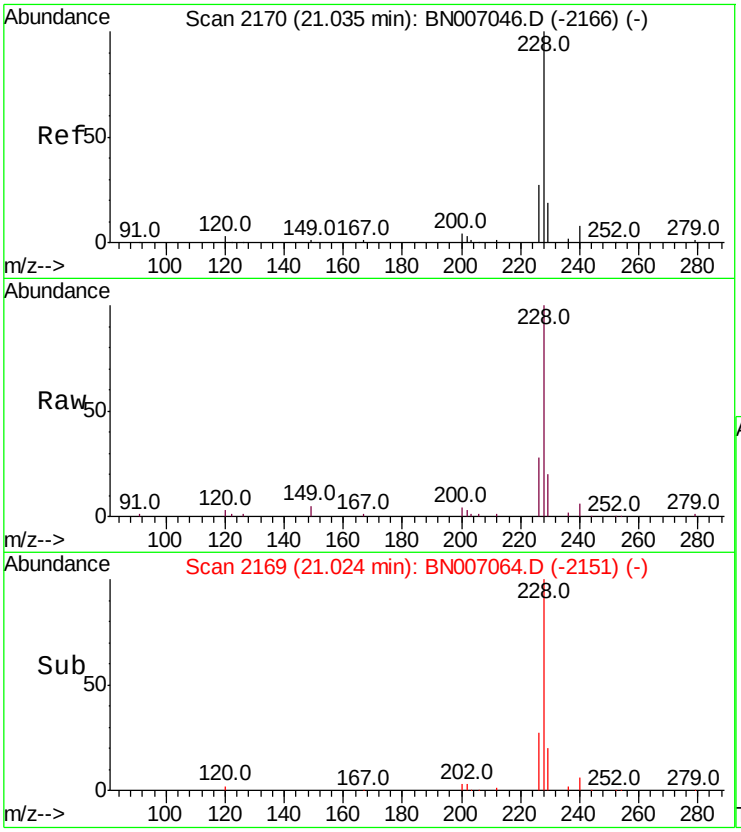


#28
Terphenyl-d14
Concen: 0.273 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Tgt Ion:244 Resp: 33380

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.2
122	10.9	7.4	11.2



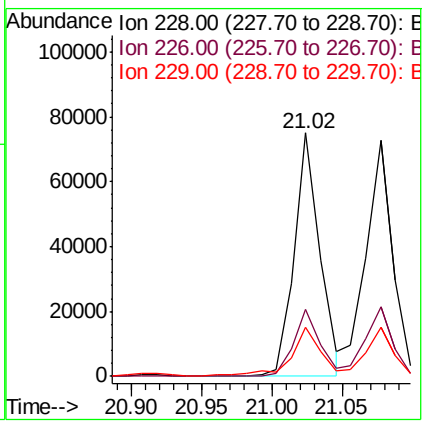


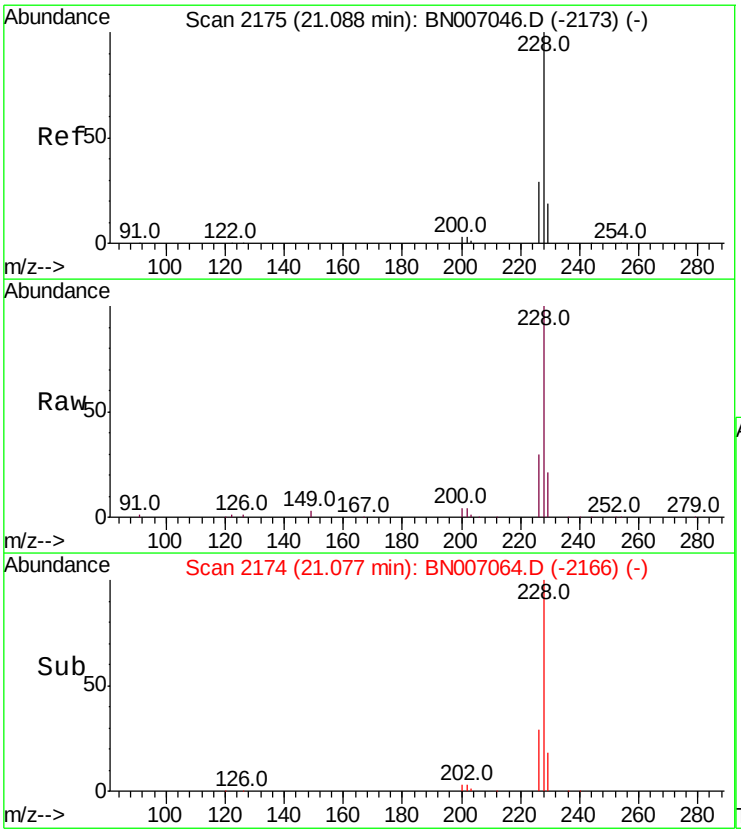
#29
Benzo(a)anthracene
Concen: 0.577 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 94699

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.8	32.6
229	20.1	15.6	23.4

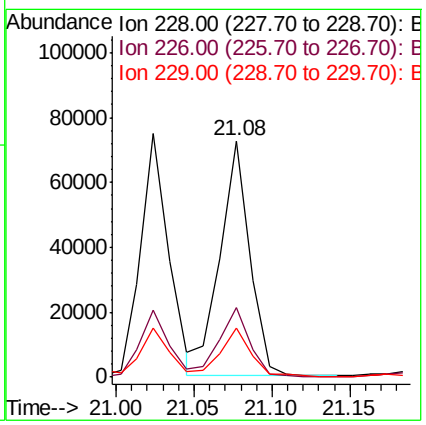


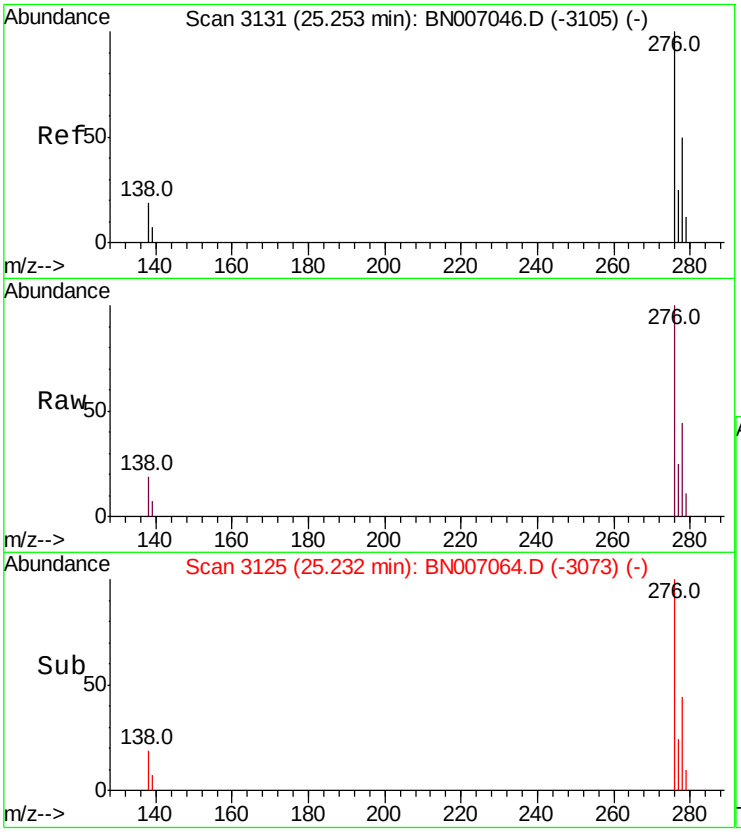


#30
Chrysene
Concen: 0.602 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Tgt Ion:228 Resp: 95839

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.8	35.6
229	20.7	15.7	23.5



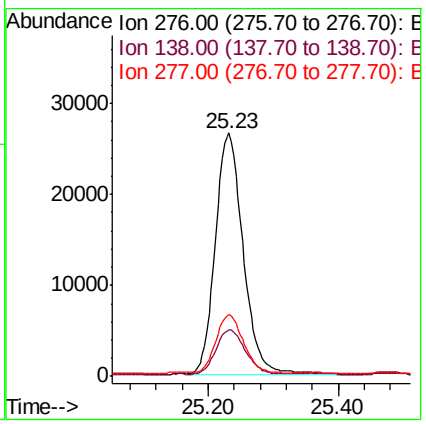


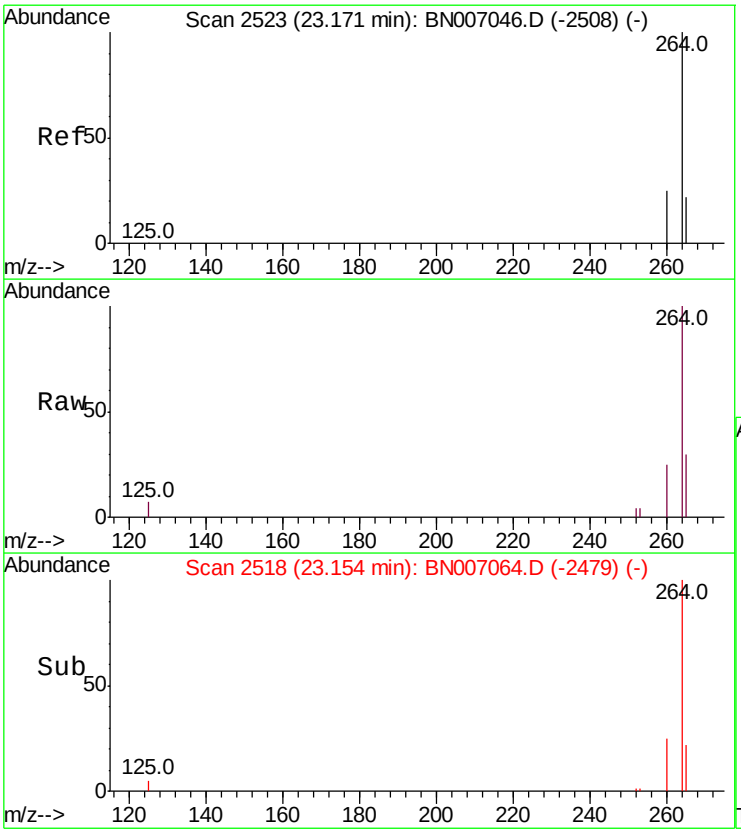
#31
Indeno(1,2,3-cd)pyrene
Concen: 0.448 ng
RT: 25.23 min Scan# 3125
Delta R.T. -0.02 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 78737

Ion	Ratio	Lower	Upper
276	100		
138	19.5	16.0	24.0
277	23.9	19.9	29.9

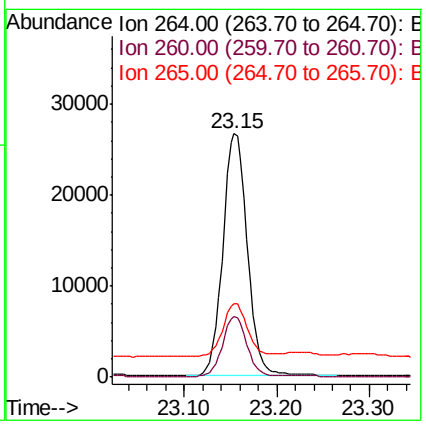


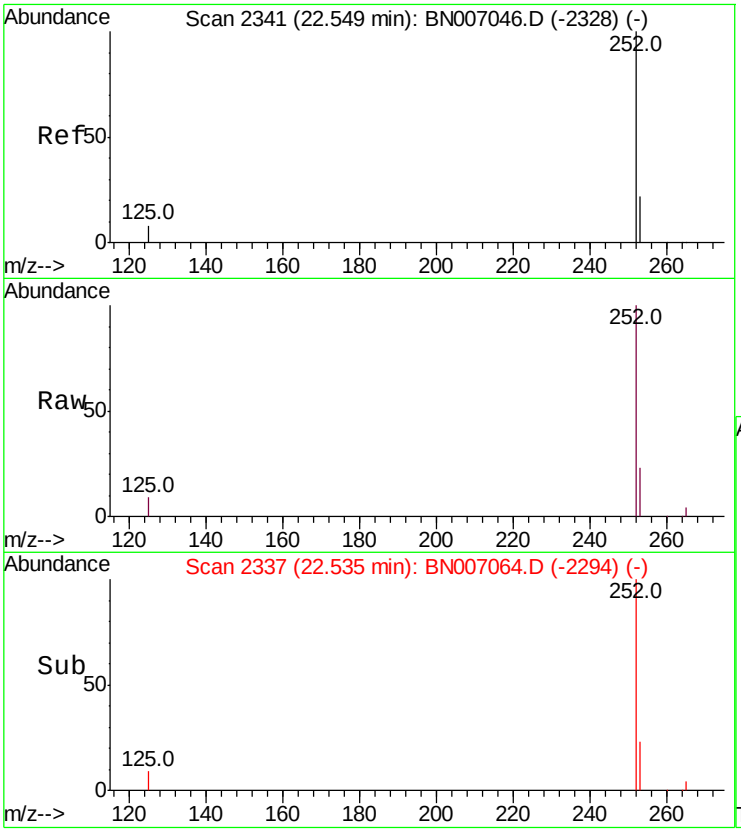


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.15 min Scan# 2518
Delta R.T. -0.02 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Tgt Ion:264 Resp: 49334

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.8	29.8
265	29.9	26.2	39.4



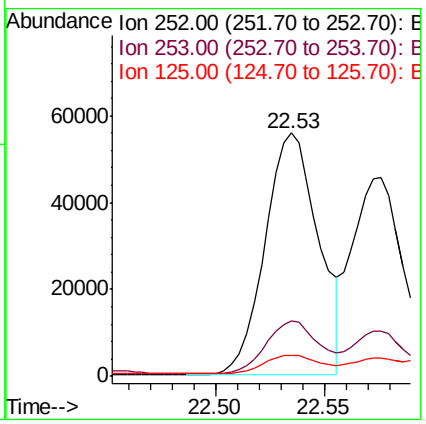


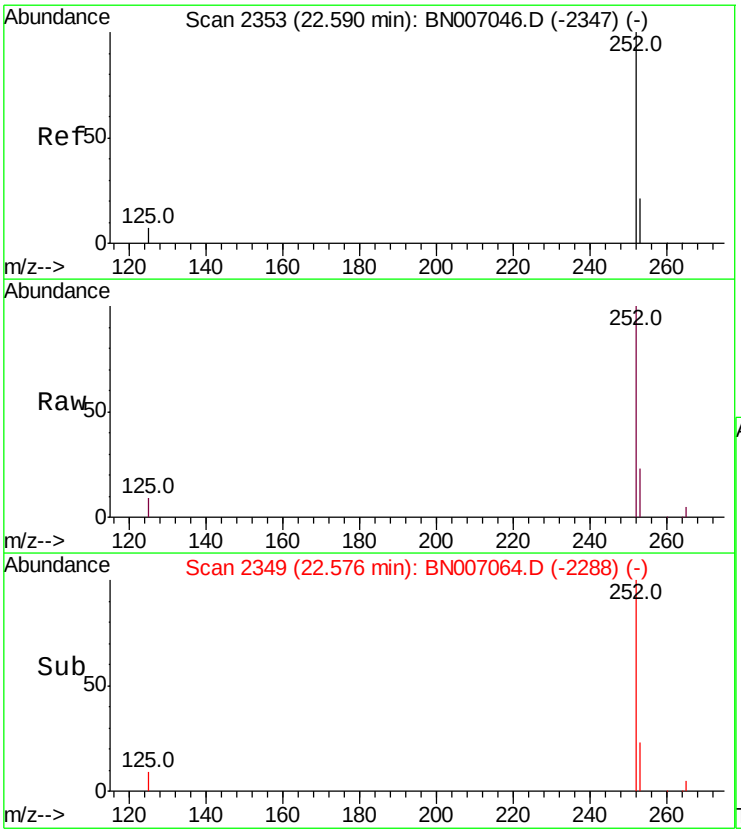
#33
Benzo(b)fluoranthene
Concen: 0.561 ng
RT: 22.53 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 94851

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	8.7	7.4	11.0

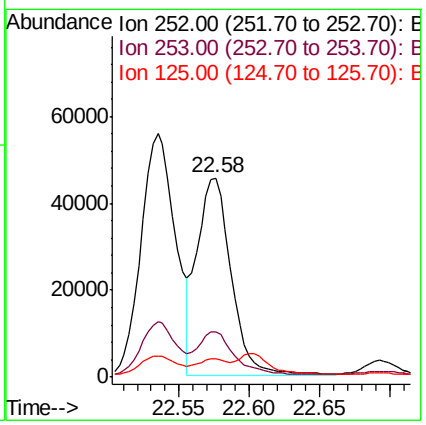


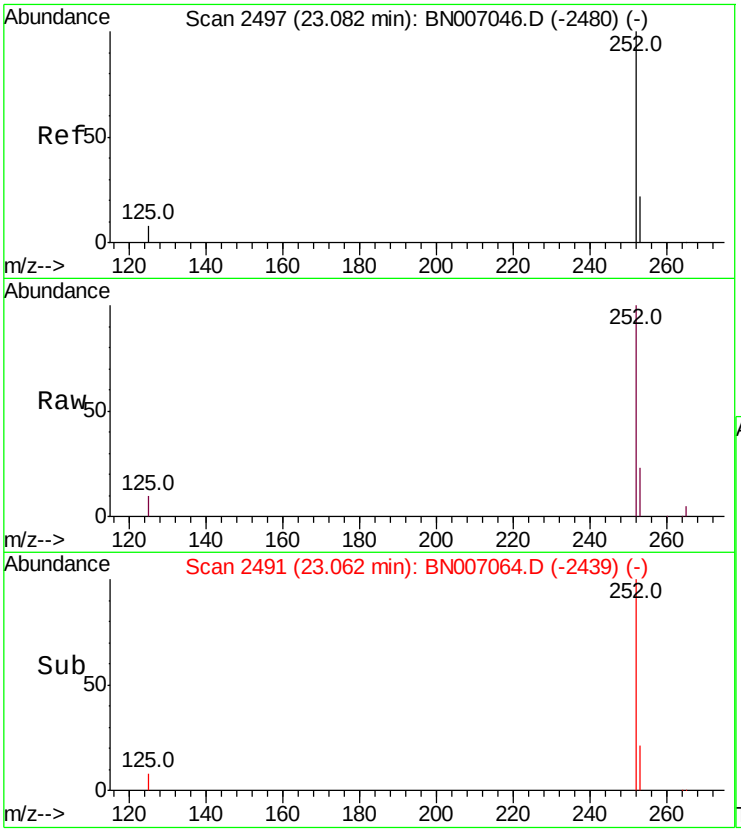


#34
Benzo(k)fluoranthene
Concen: 0.457 ng
RT: 22.58 min Scan# 2349
Delta R.T. -0.01 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Tgt Ion:252 Resp: 76407

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	9.1	7.4	11.0



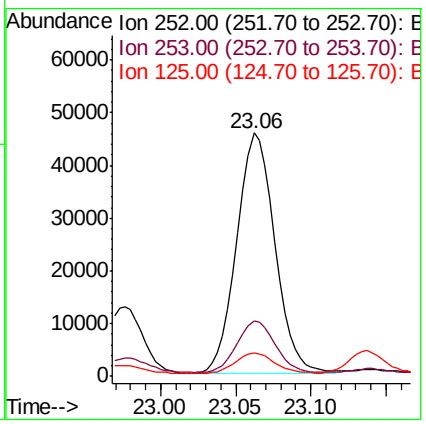


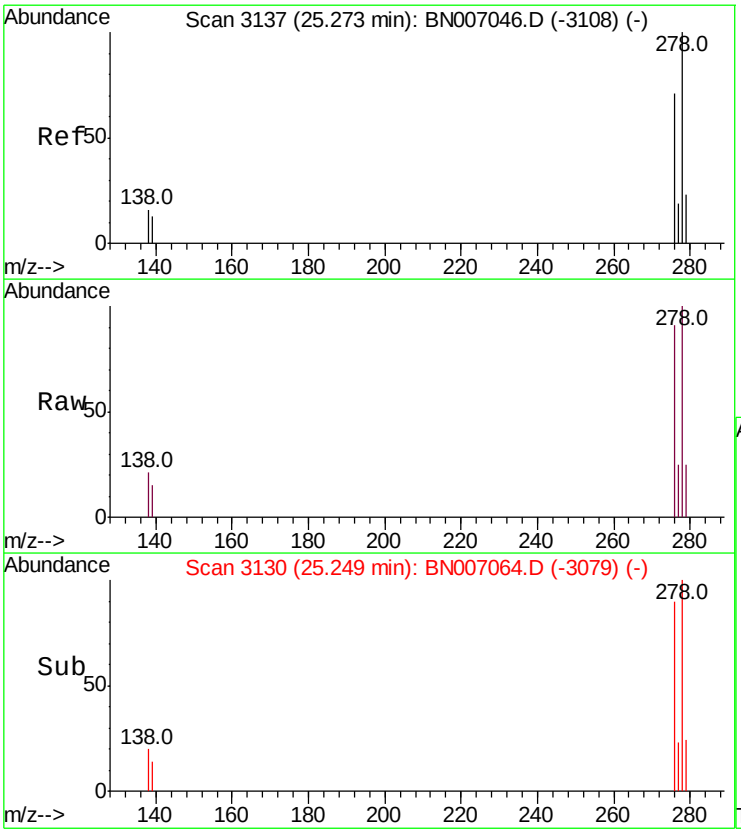
#35
Benzo(a)pyrene
Concen: 0.515 ng
RT: 23.06 min Scan# 2491
Delta R.T. -0.02 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 79011

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.5	27.7
125	9.5	8.2	12.4

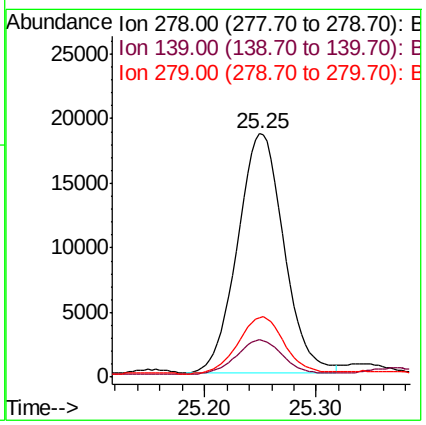


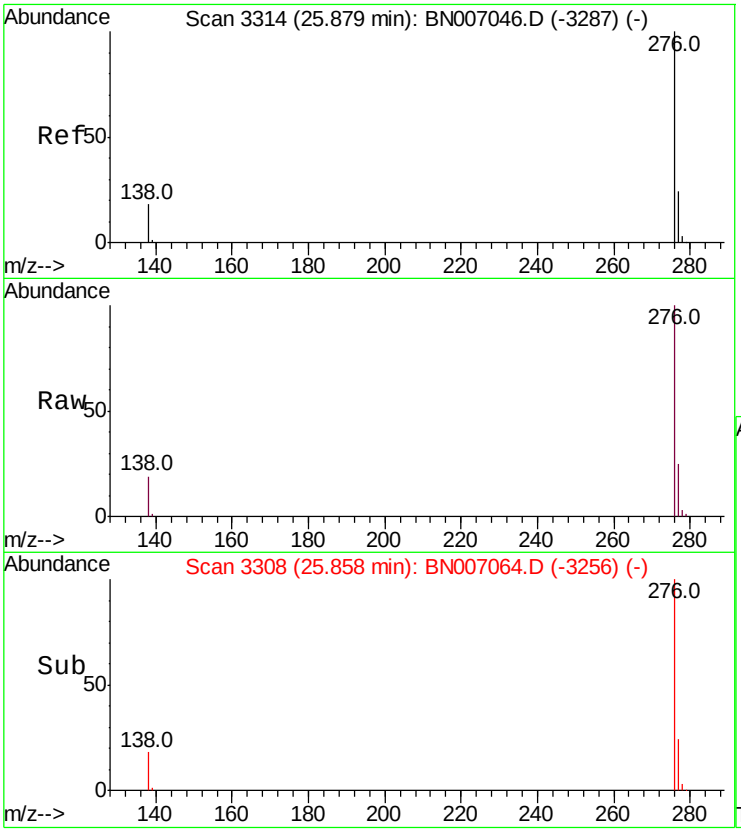


#36
Dibenzo(a,h)anthracene
Concen: 0.348 ng
RT: 25.25 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Tgt Ion:278 Resp: 53186

Ion	Ratio	Lower	Upper
278	100		
139	15.3	11.3	16.9
279	24.6	19.3	28.9





#37
Benzo(g,h,i)perylene
Concen: 0.437 ng
RT: 25.86 min Scan# 3308
Delta R.T. -0.02 min
Lab File: BN007064.D
Acq: 11 Aug 2019 00:47

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 68835

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.8	29.8
138	18.6	14.6	22.0