Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
Data File : BN007101.D
Acq On : 12 Aug 2019 17:05
Operator : HP/JU
Sample : K4240-05MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Aug 13 04:15:49 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	7450	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	27488	0.40	ng		0.00
12) Acenaphthene-d10	14.08	164	15542	0.40	ng		0.00
18) Phenanthrene-d10	16.82	188	38381	0.40	ng		0.00
26) Chrysene-d12	21.05	240	40057	0.40	ng		-0.01
32) Perylene-d12	23.16	264	43510	0.40	ng		-0.01
System Monitoring Compounds							
3) 2-Fluorophenol	5.06	112	6271	0.35	ng		0.00
4) Phenol-d6	6.61	99	8577	0.39	ng		0.00
7) Nitrobenzene-d5	8.55	82	6568	0.30	ng		-0.01
10) 2-Methylnaphthalene-d10	11.79	152	20165	0.39	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	1592	0.19	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	4034	0.18	ng		0.00
24) Fluoranthene-d10	18.87	212	38775	0.28	ng		0.00
28) Terphenyl-d14	19.49	244	28584	0.26	ng		-0.01
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	3.34	42	1396	0.285	ng	#	73
5) bis(2-Chloroethyl)ether	6.87	93	6432	0.328	ng		98
8) Naphthalene	10.24	128	23788	0.309	ng		99
9) Hexachlorobutadiene	10.54	225	4766	0.290	ng	#	99
11) 2-Methylnaphthalene	11.86	142	16992	0.311	ng		99
15) Acenaphthylene	13.79	152	24676	0.304	ng		100
16) Acenaphthene	14.13	154	15976	0.307	ng		99
17) Fluorene	15.13	166	20496	0.263	ng		99
19) 4-Bromophenyl-phenylether	16.03	248	8498	0.358	ng	#	83
20) Hexachlorobenzene	16.14	284	7240	0.317	ng		99
21) Pentachlorophenol	16.48	266	1183	0.139	ng		97
22) Phenanthrene	16.87	178	42454	0.369	ng		100
23) Anthracene	16.95	178	33301	0.317	ng		99
25) Fluoranthene	18.90	202	56966	0.387	ng		100
27) Pyrene	19.26	202	58013	0.413	ng		99
29) Benzo(a)anthracene	21.02	228	53150	0.363	ng		99
30) Chrysene	21.08	228	52699	0.370	ng		99
31) Indeno(1,2,3-cd)pyrene	25.24	276	56098	0.358	ng		99
33) Benzo(b)fluoranthene	22.53	252	54954	0.368	ng		100
34) Benzo(k)fluoranthene	22.58	252	52783	0.358	ng		99
35) Benzo(a)pyrene	23.07	252	48579	0.359	ng		100
36) Dibenzo(a,h)anthracene	25.25	278	43653	0.323	ng		99
37) Benzo(g,h,i)perylene	25.85	276	47951	0.345	ng		99

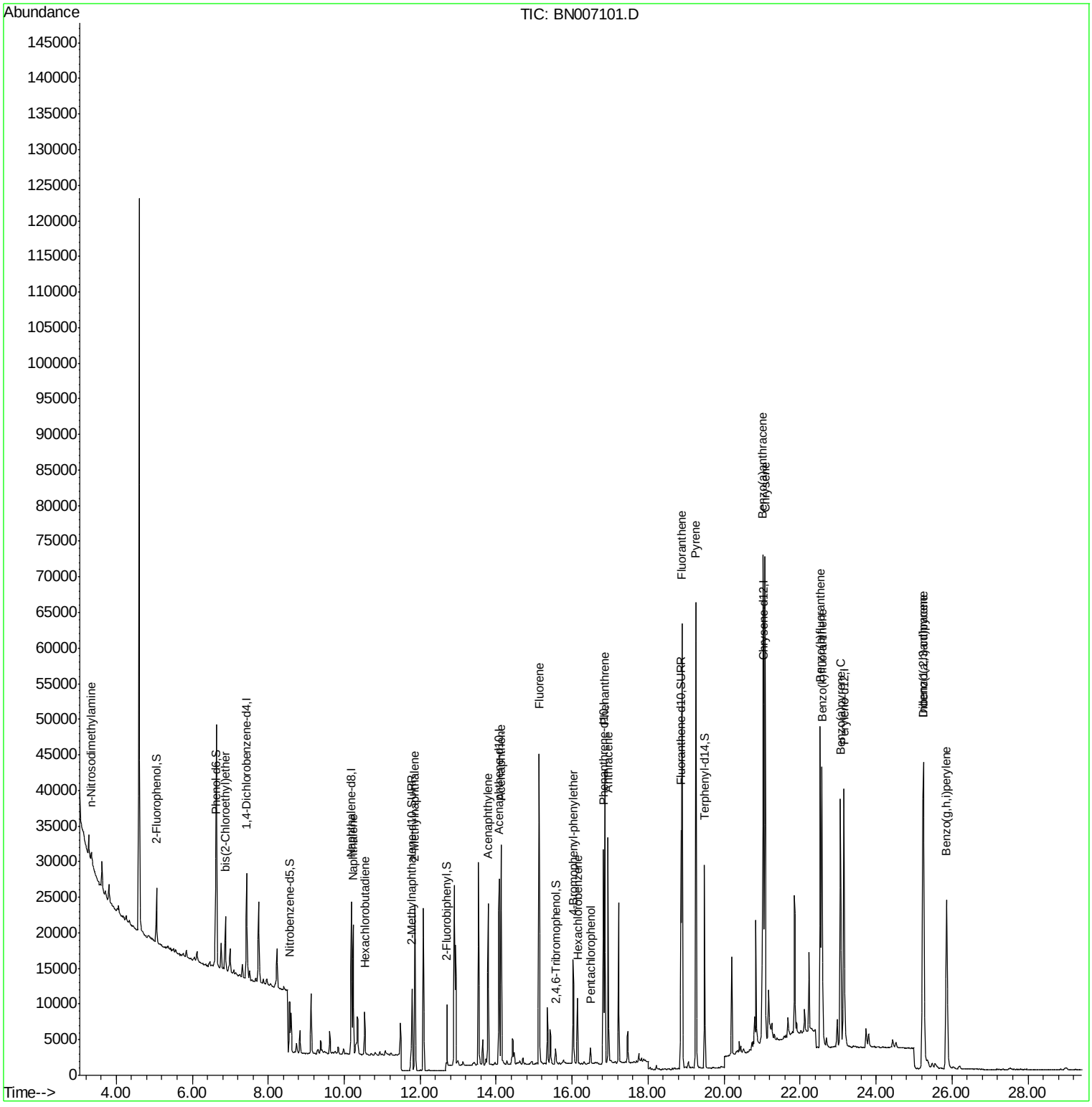
(#) = qualifier out of range (m) = manual integration (+) = signals summed

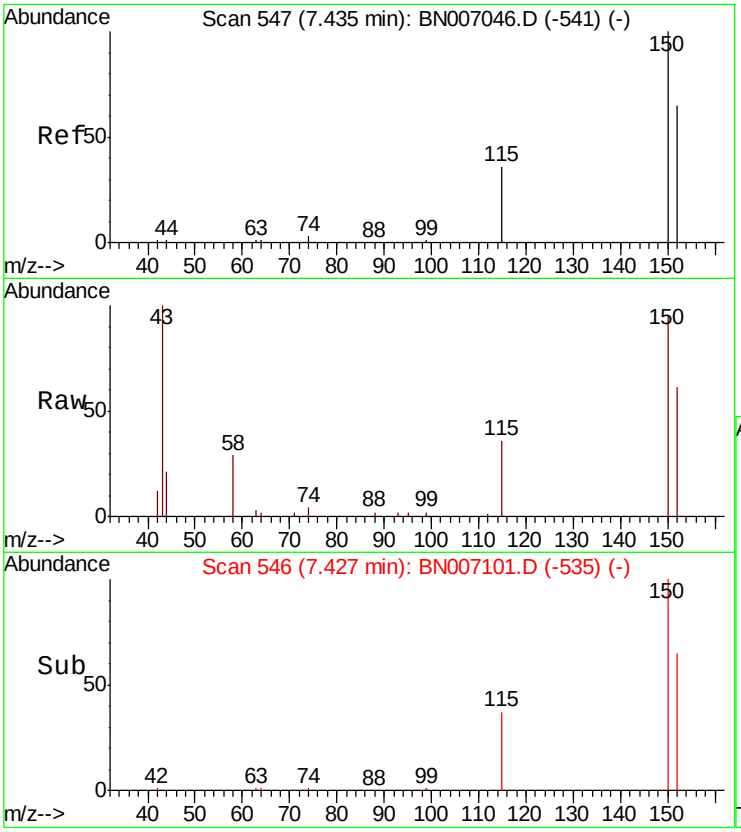
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
Data File : BN007101.D
Acq On : 12 Aug 2019 17:05
Operator : HP/JU
Sample : K4240-05MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Aug 13 04:15:49 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



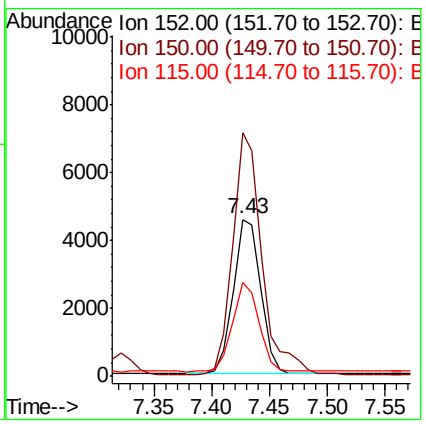


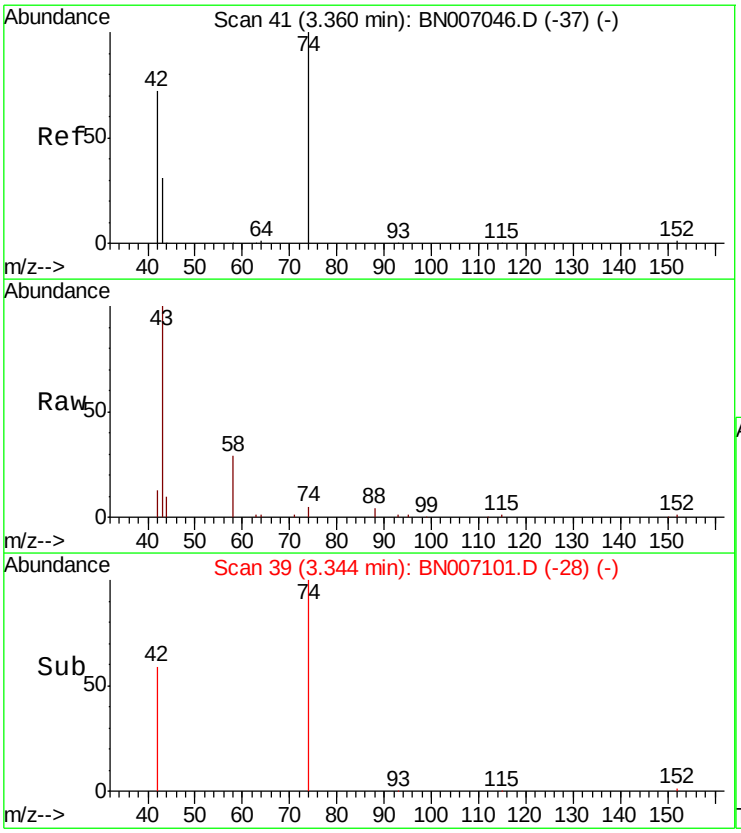
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 7450

Ion	Ratio	Lower	Upper
152	100		
150	155.1	121.7	182.5
115	59.6	46.2	69.4

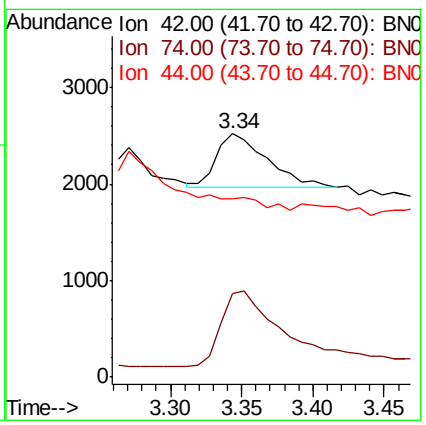


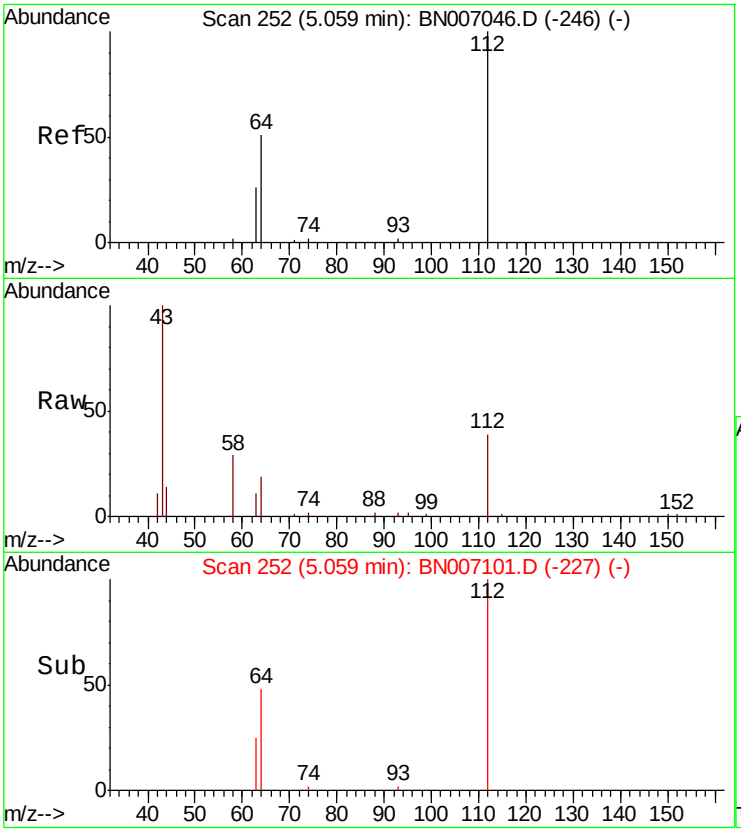


#2
n-Nitrosodimethylamine
Concen: 0.285 ng
RT: 3.34 min Scan# 39
Delta R.T. -0.02 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Tgt Ion: 42 Resp: 1396

Ion	Ratio	Lower	Upper
42	100		
74	170.8	110.6	166.0#
44	0.0	0.0	0.0



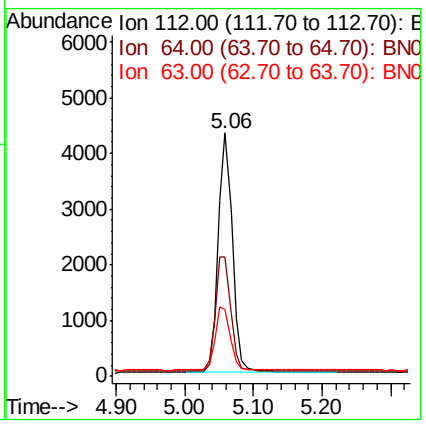


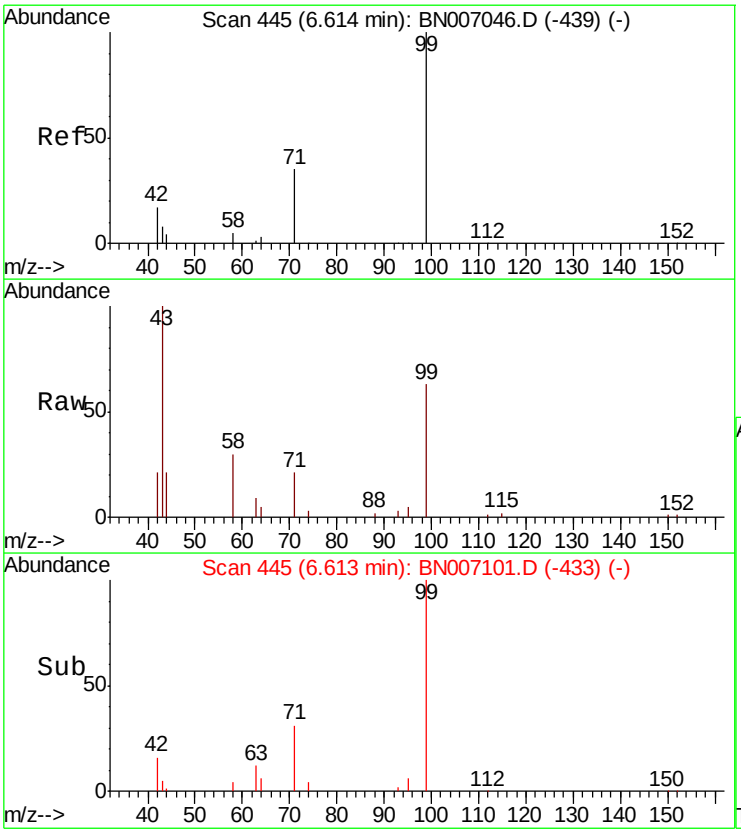
#3
2-Fluorophenol
Concen: 0.350 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:112 Resp: 6271

Ion	Ratio	Lower	Upper
112	100		
64	52.7	42.6	63.8
63	28.5	22.2	33.2

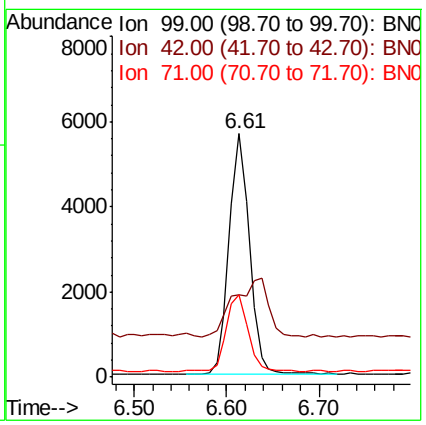


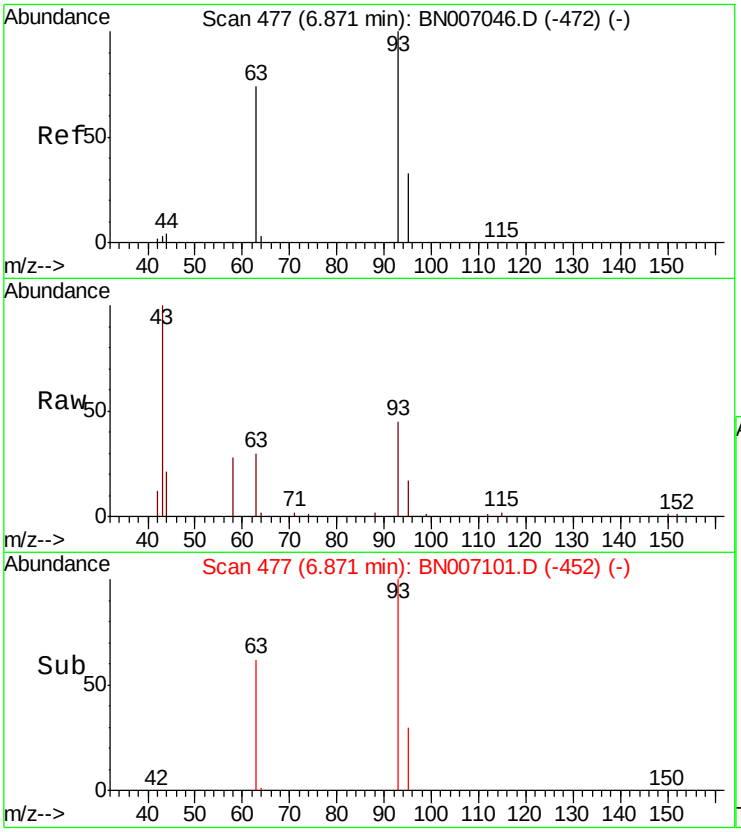


#4
Phenol-d6
Concen: 0.387 ng
RT: 6.61 min Scan# 445
Delta R.T. -0.00 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Tgt Ion: 99 Resp: 8577

Ion	Ratio	Lower	Upper
99	100		
42	0.0	15.8	23.6#
71	34.7	27.0	40.4



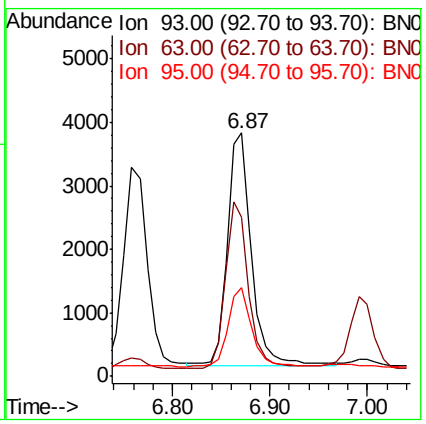


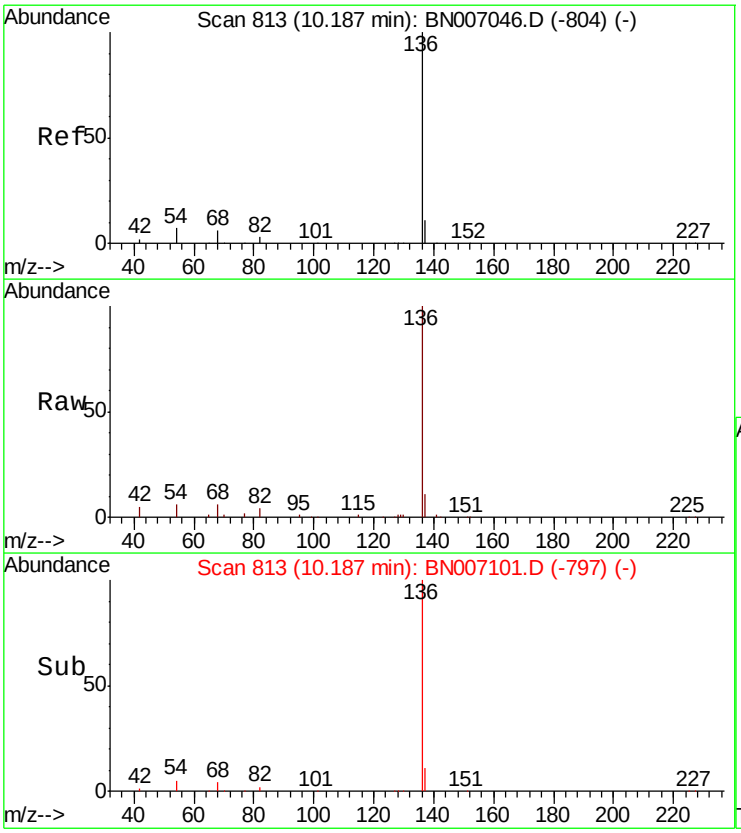
#5
bis(2-Chloroethyl)ether
Concen: 0.328 ng
RT: 6.87 min Scan# 477
Delta R.T. -0.00 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 93 Resp: 6432

Ion	Ratio	Lower	Upper
93	100		
63	67.6	55.6	83.4
95	33.6	26.7	40.1

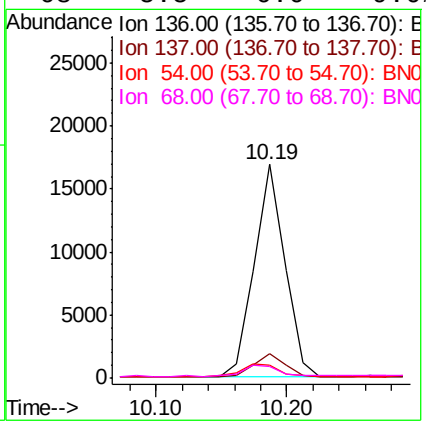


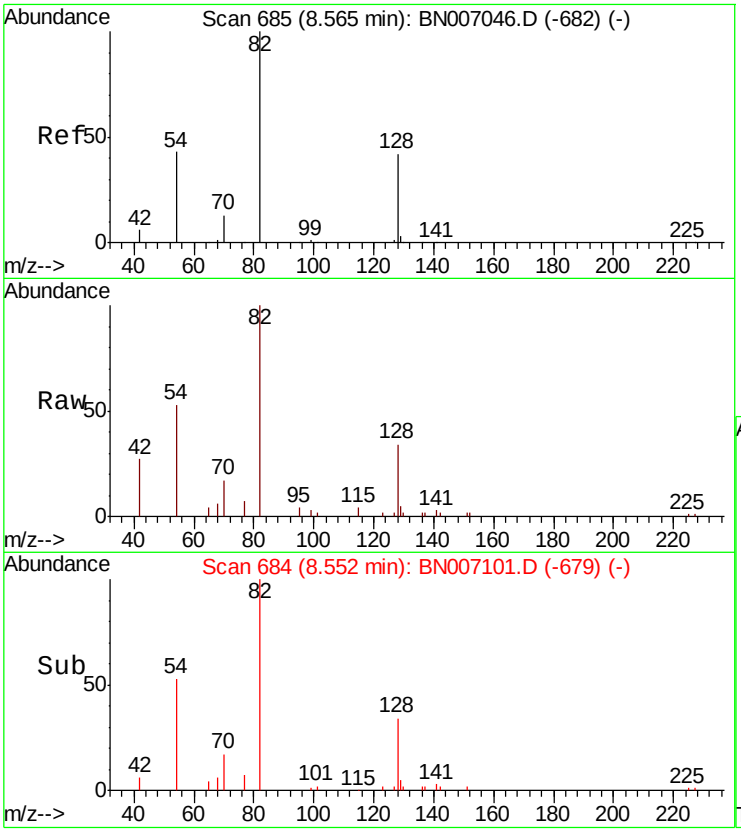


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Tgt Ion:136 Resp: 27488

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.4	14.0
54	6.2	6.6	9.8#
68	5.5	6.0	9.0#



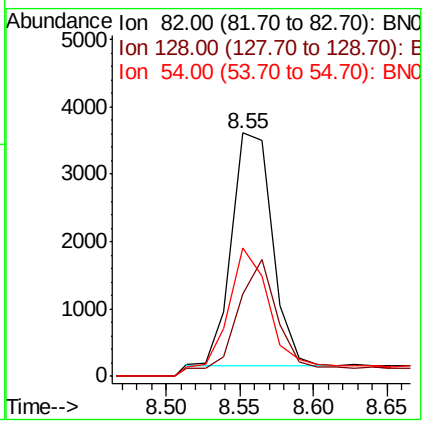


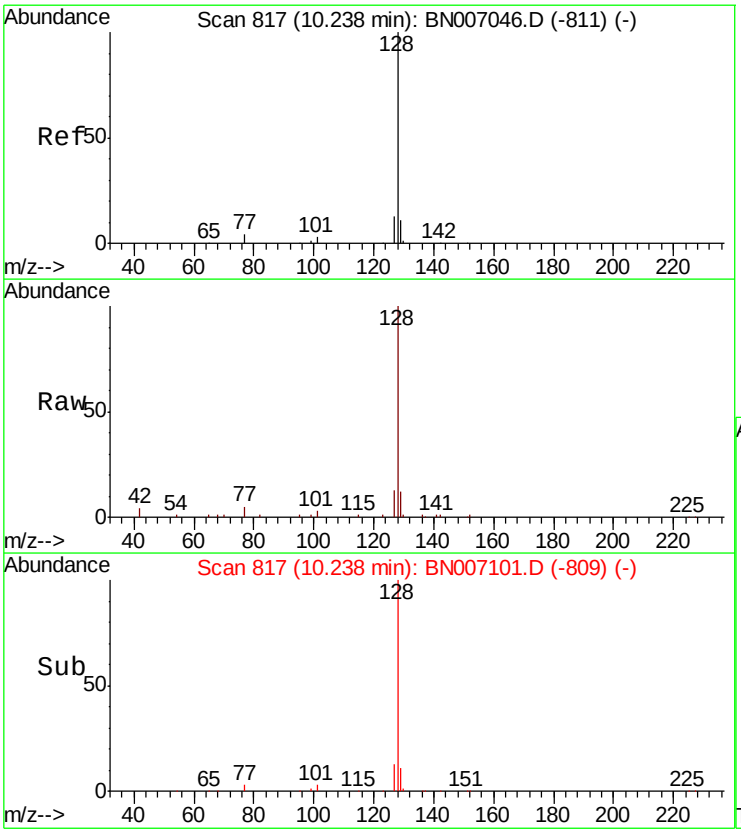
#7
Nitrobenzene-d5
Concen: 0.296 ng
RT: 8.55 min Scan# 684
Delta R.T. -0.01 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 82 Resp: 6568

Ion	Ratio	Lower	Upper
82	100		
128	34.1	34.6	51.8#
54	52.6	36.2	54.4

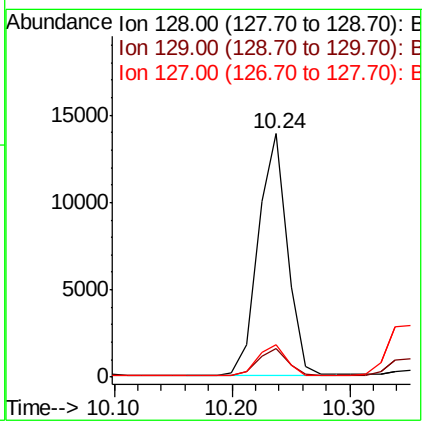


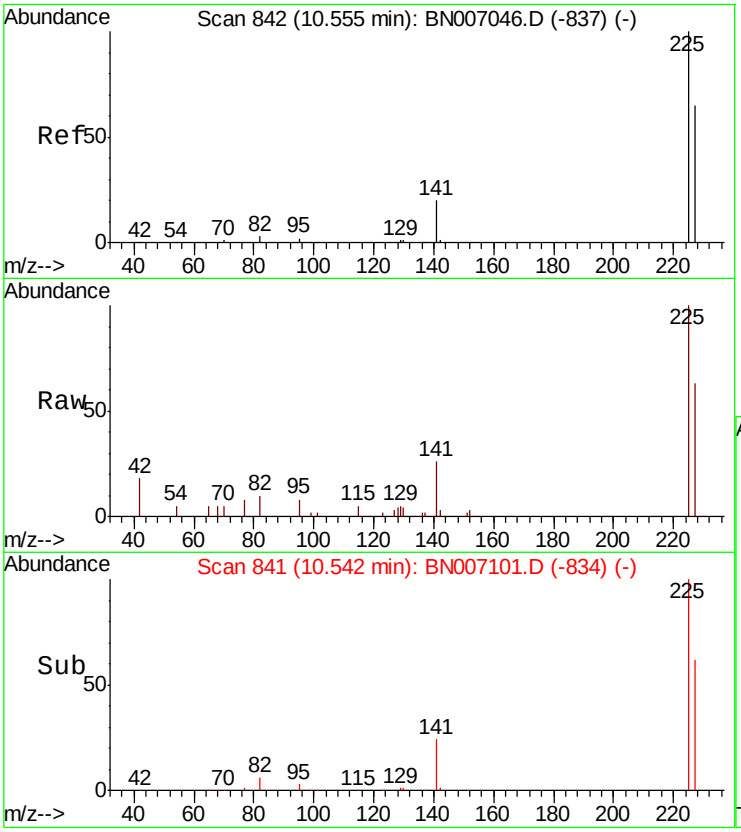


#8
Naphthalene
Concen: 0.309 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Tgt Ion:128 Resp: 23788

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.4	14.2
127	13.3	11.0	16.6



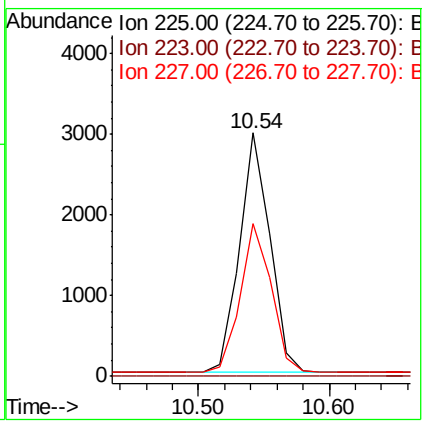


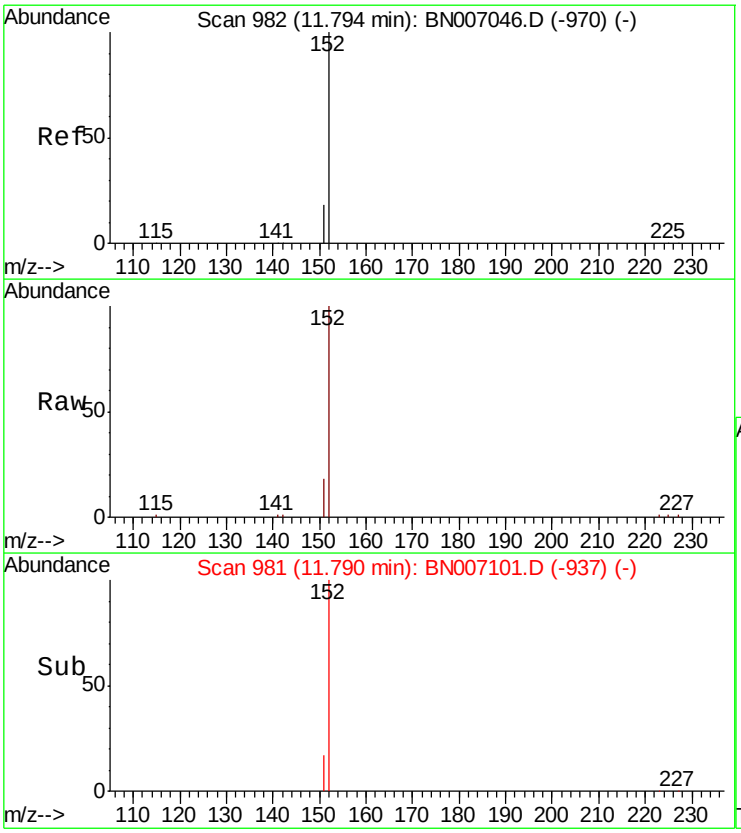
#9
Hexachlorobutadiene
Concen: 0.290 ng
RT: 10.54 min Scan# 841
Delta R.T. -0.01 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:225 Resp: 4766

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

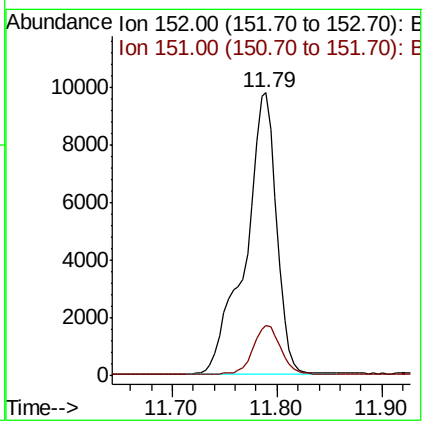


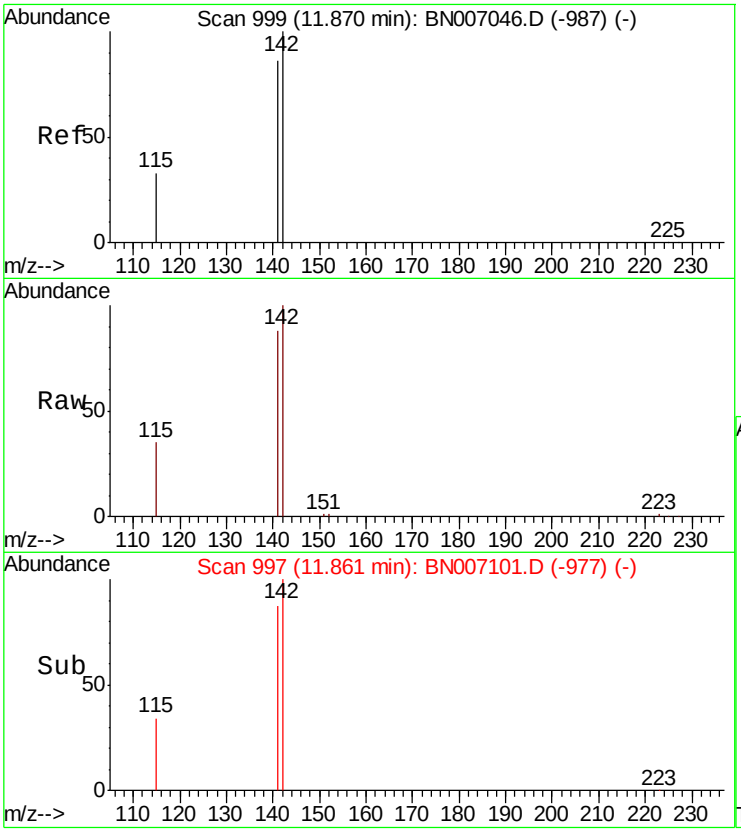


#10
2-Methylnaphthalene-d10
Concen: 0.393 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Tgt Ion:152 Resp: 20165

Ion	Ratio	Lower	Upper
152	100		
151	15.2	15.5	23.3#



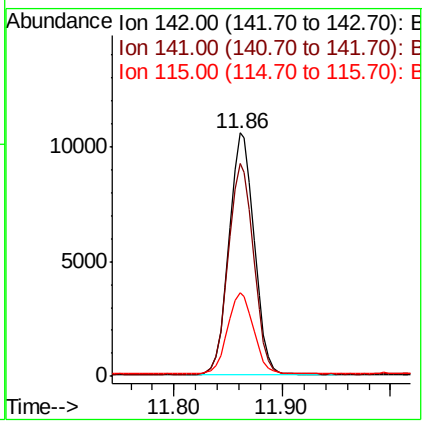


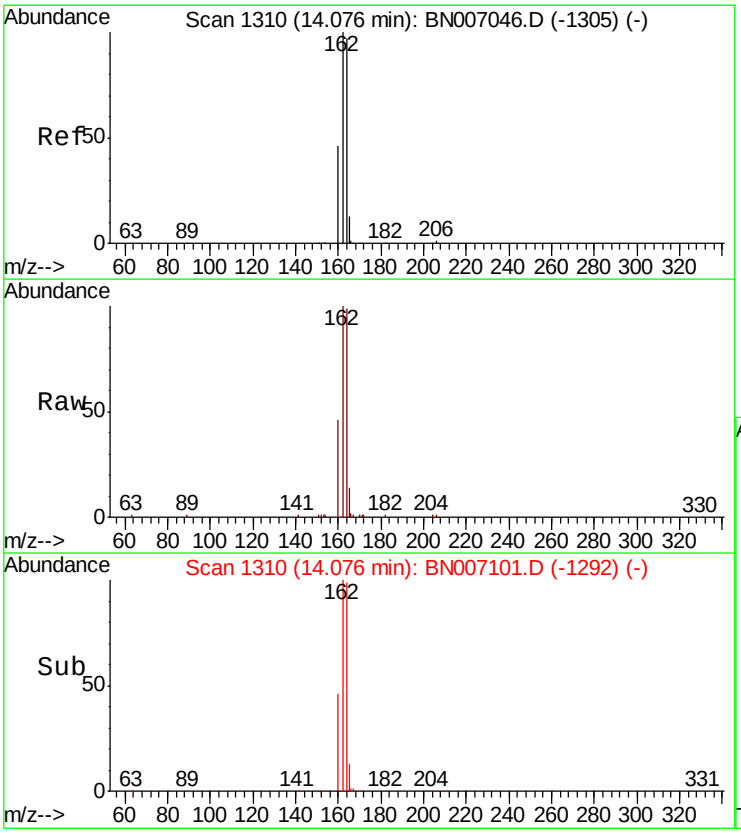
#11
2-Methylnaphthalene
Concen: 0.311 ng
RT: 11.86 min Scan# 997
Delta R.T. -0.01 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:142 Resp: 16992

Ion	Ratio	Lower	Upper
142	100		
141	87.5	69.0	103.6
115	34.6	27.1	40.7

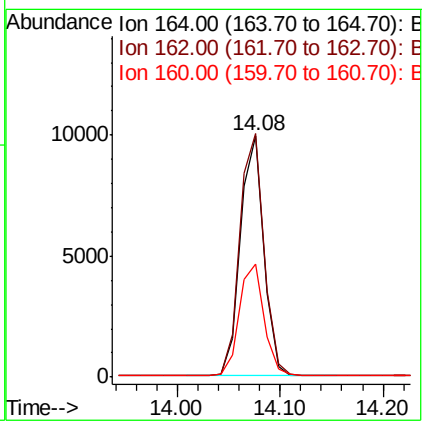


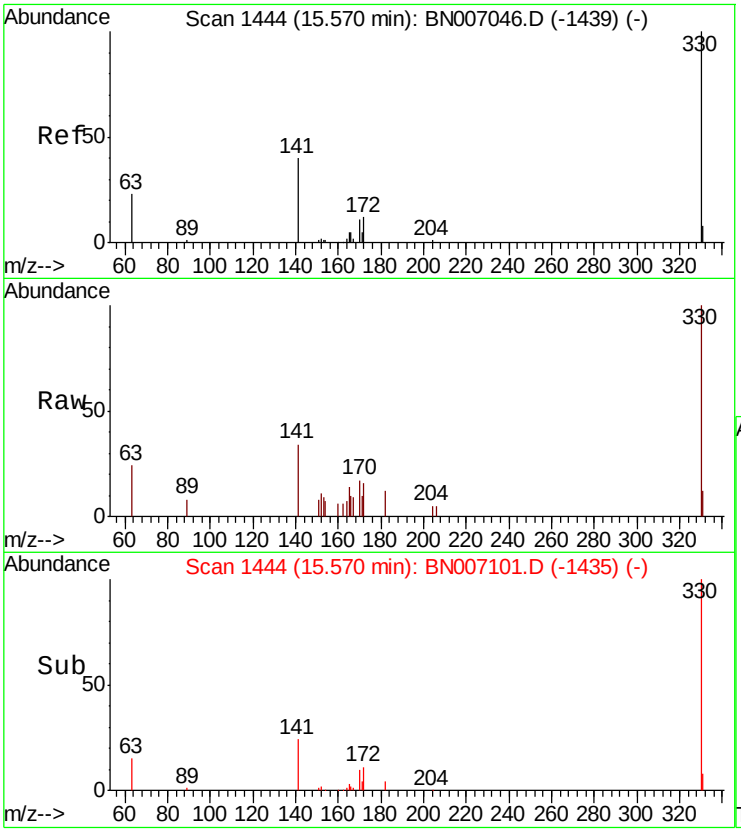


#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Tgt Ion:164 Resp: 15542

Ion	Ratio	Lower	Upper
164	100		
162	100.8	82.2	123.4
160	46.7	38.3	57.5



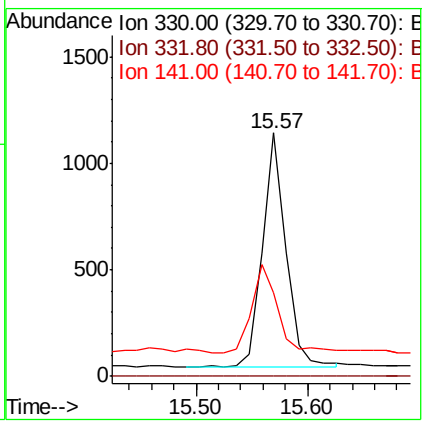


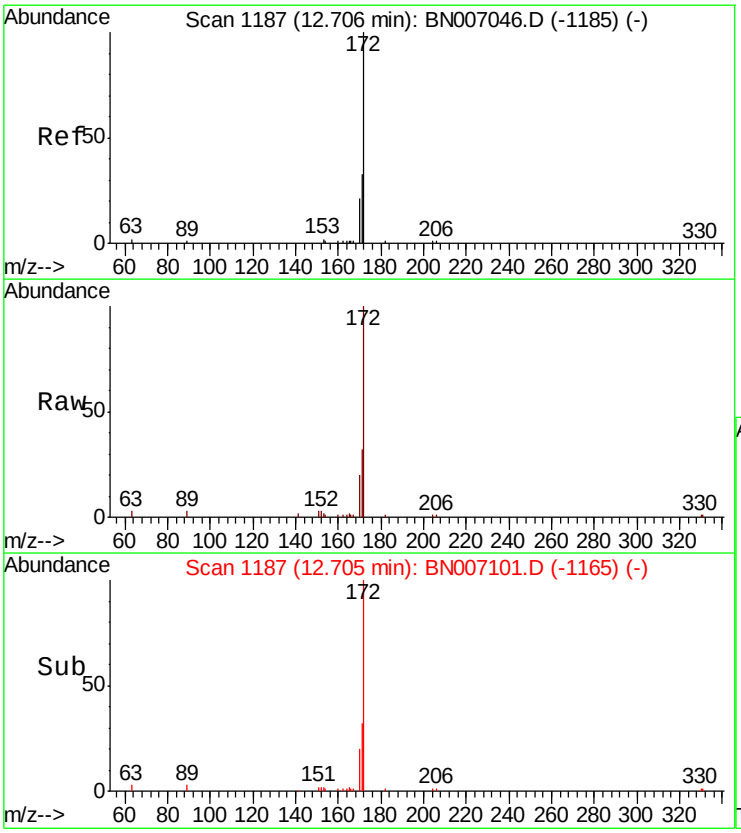
#13
2,4,6-Tribromophenol
Concen: 0.190 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:330 Resp: 1592

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	43.2	33.6	50.4

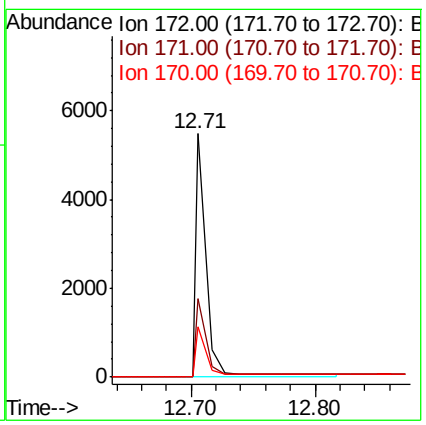


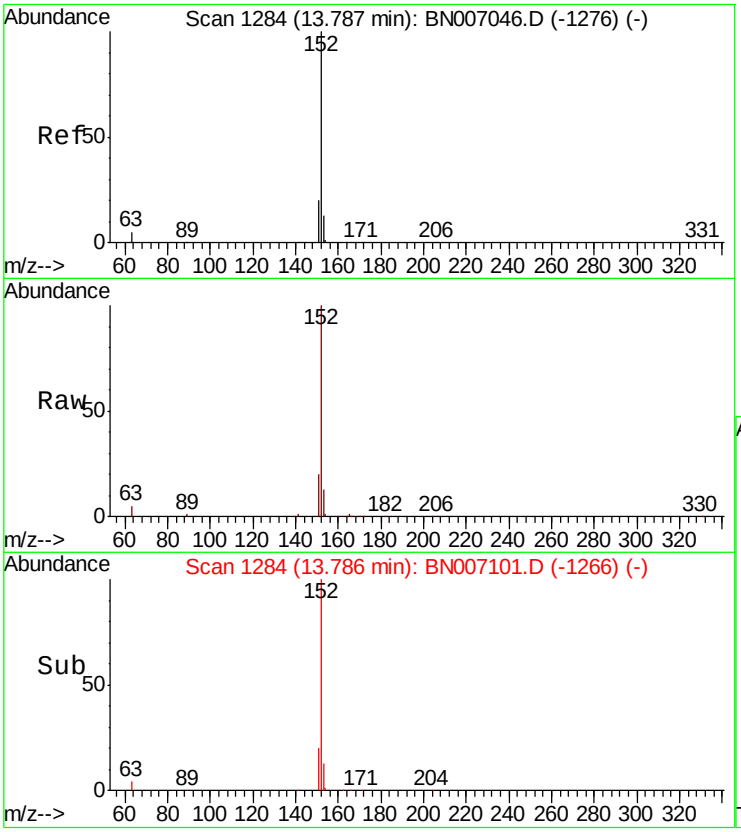


#14
2-Fluorobiphenyl
Concen: 0.179 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Tgt Ion:172 Resp: 4034

Ion	Ratio	Lower	Upper
172	100		
171	32.4	26.3	39.5
170	20.5	17.0	25.4



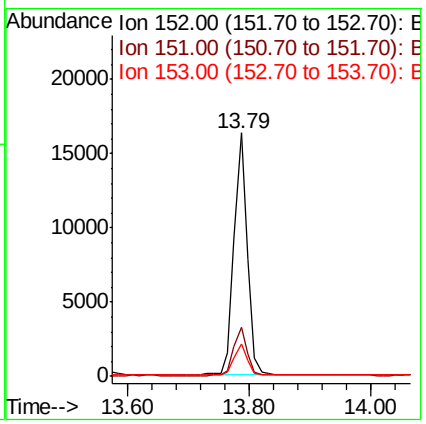


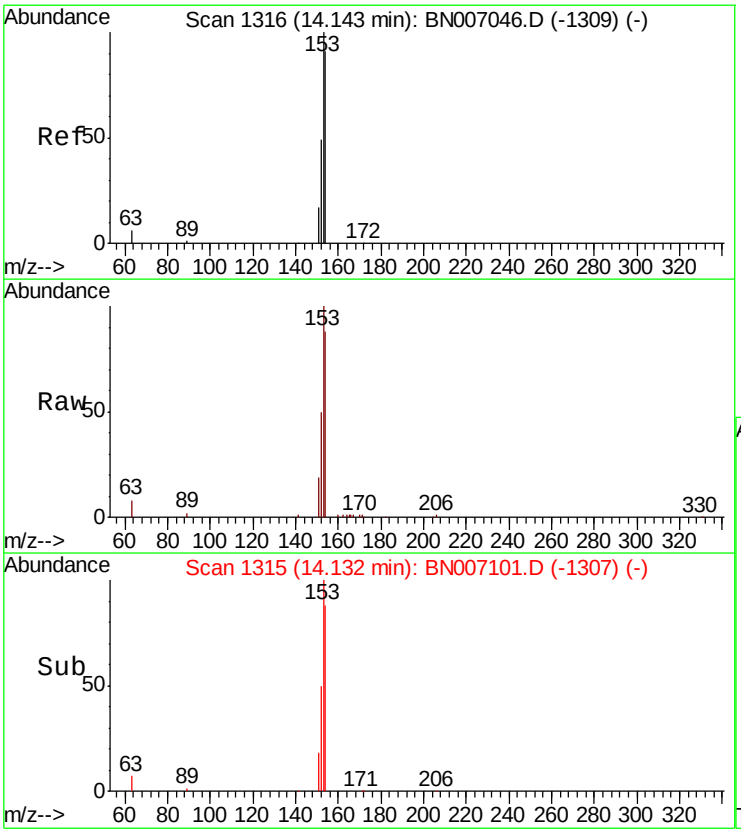
#15
Acenaphthylene
Concen: 0.304 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 24676

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.0	10.4	15.6

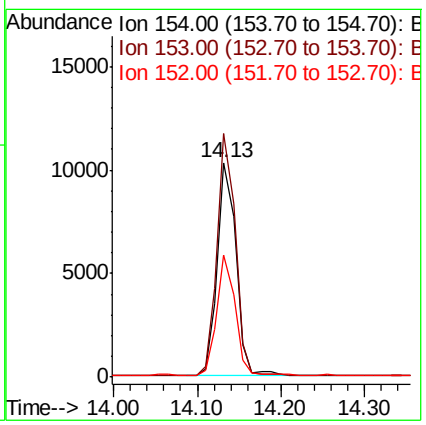


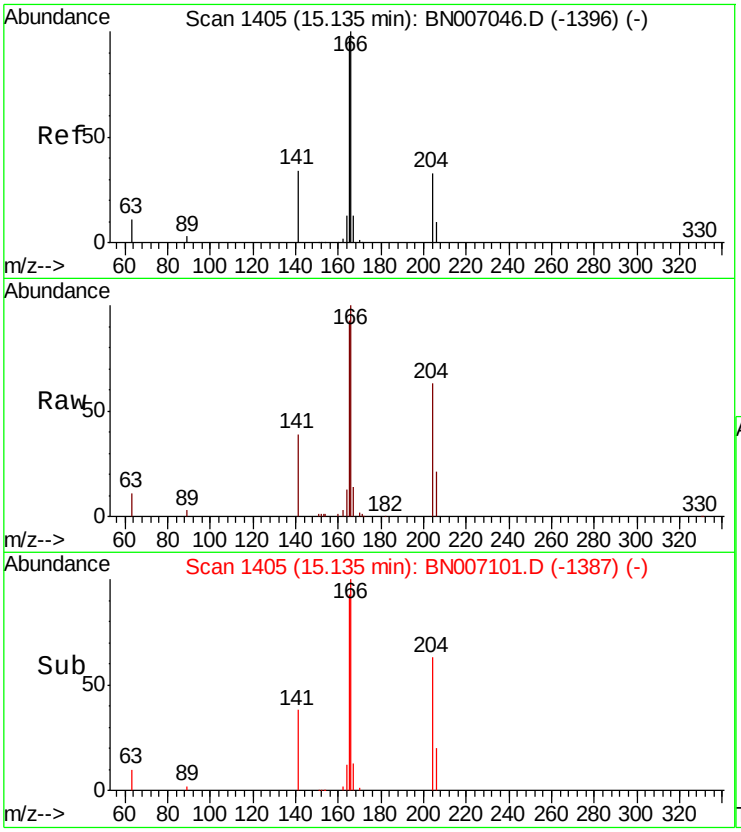


#16
Acenaphthene
Concen: 0.307 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Tgt Ion:154 Resp: 15976

Ion	Ratio	Lower	Upper
154	100		
153	110.5	89.5	134.3
152	55.0	44.8	67.2



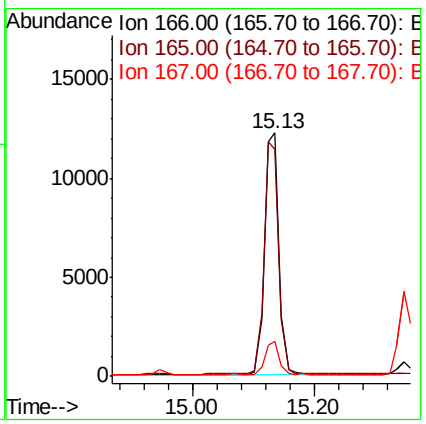


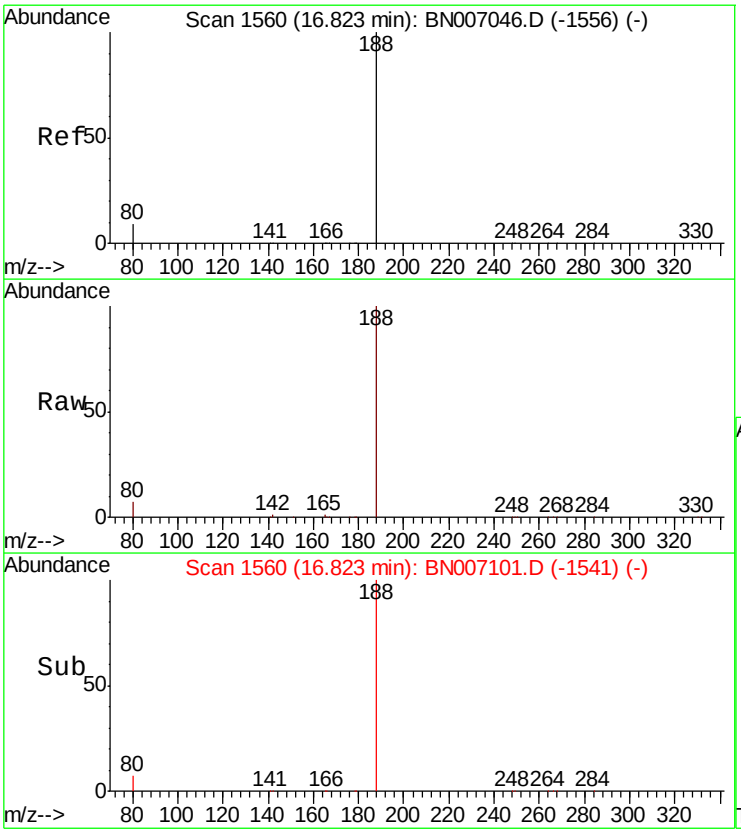
#17
Fluorene
Concen: 0.263 ng
RT: 15.13 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:166 Resp: 20496

Ion	Ratio	Lower	Upper
166	100		
165	98.1	77.9	116.9
167	13.4	10.9	16.3

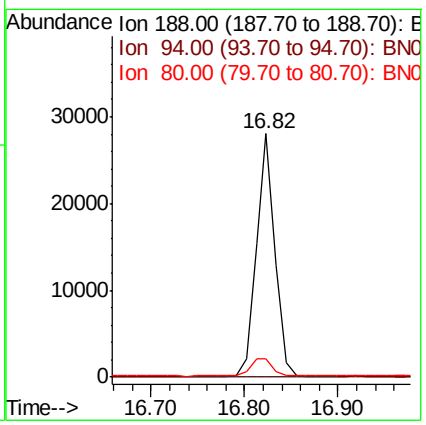


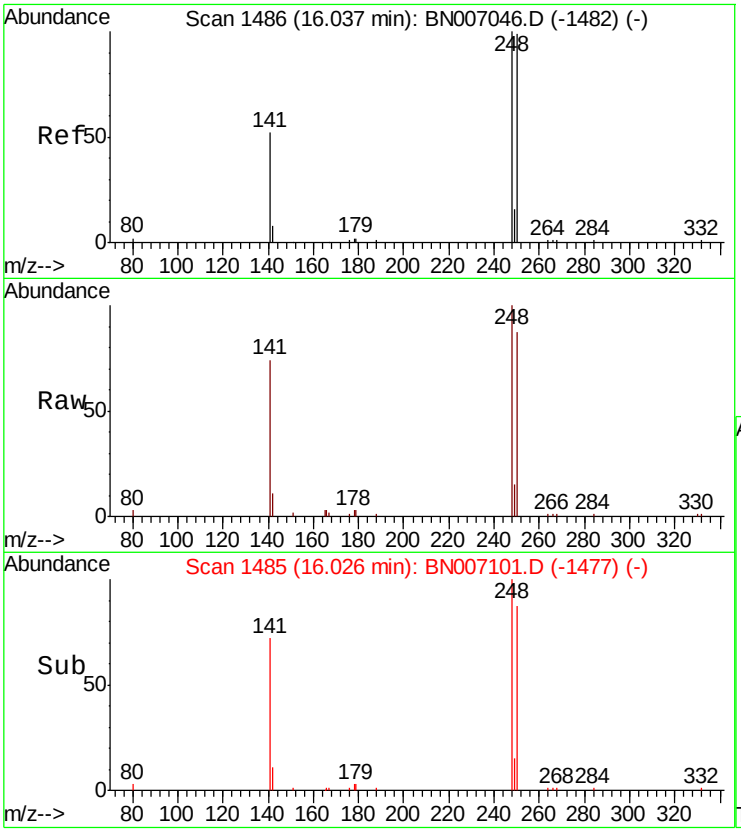


#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Tgt Ion:188 Resp: 38381

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.4	7.8	11.6#



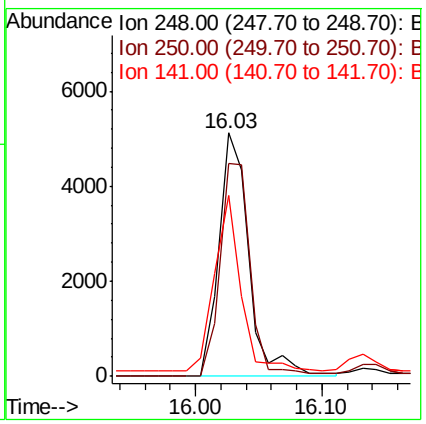


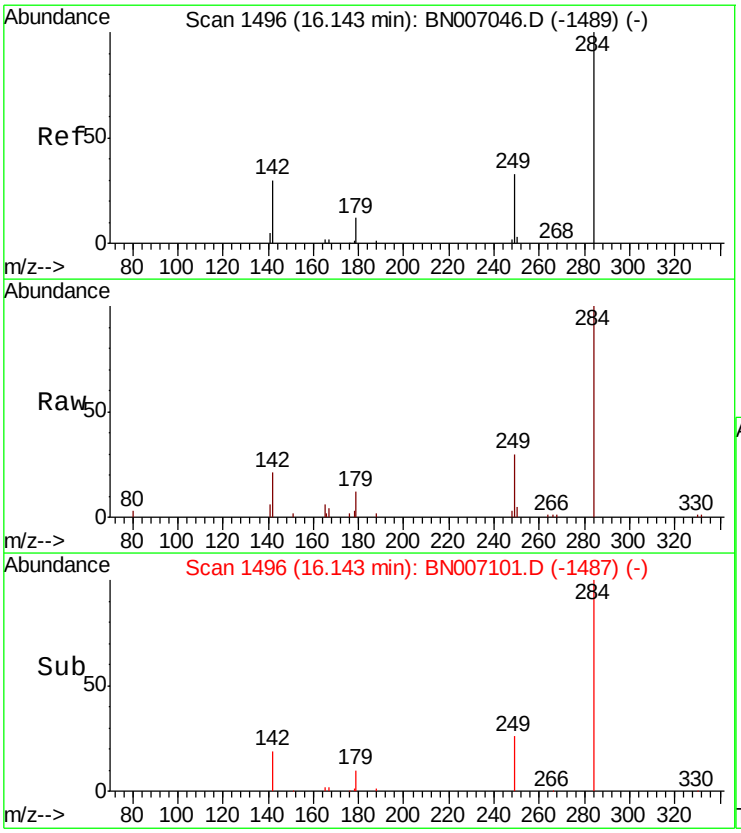
#19
4-Bromophenyl-phenylether
Concen: 0.358 ng
RT: 16.03 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:248 Resp: 8498

Ion	Ratio	Lower	Upper
248	100		
250	87.3	78.9	118.3
141	74.3	43.3	64.9#

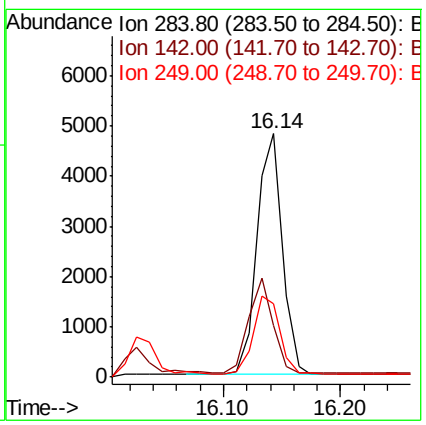


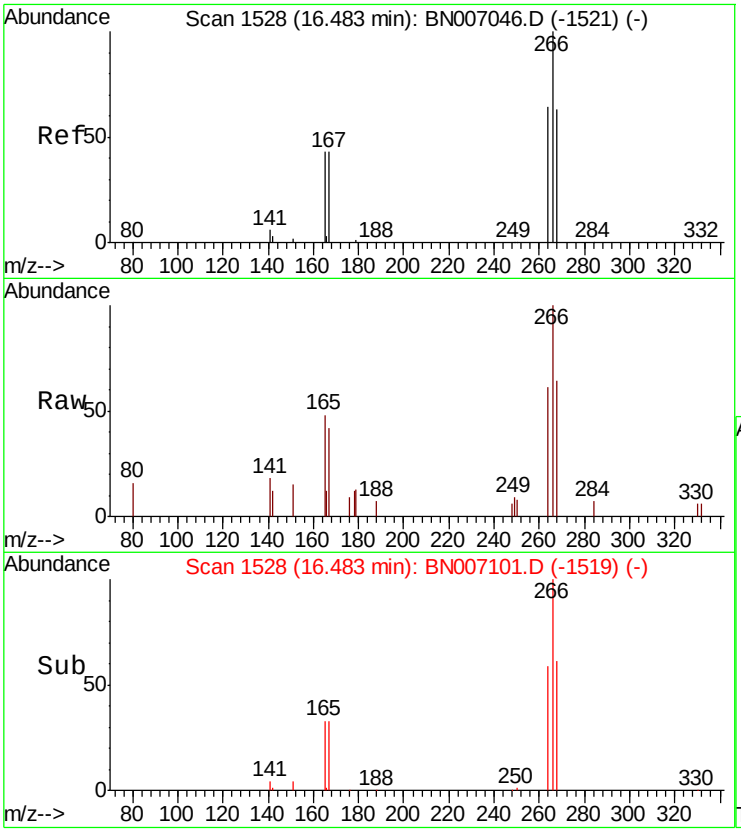


#20
Hexachlorobenzene
Concen: 0.317 ng
RT: 16.14 min Scan# 1496
Delta R.T. -0.00 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Tgt Ion:284 Resp: 7240

Ion	Ratio	Lower	Upper
284	100		
142	37.7	30.5	45.7
249	33.6	26.7	40.1



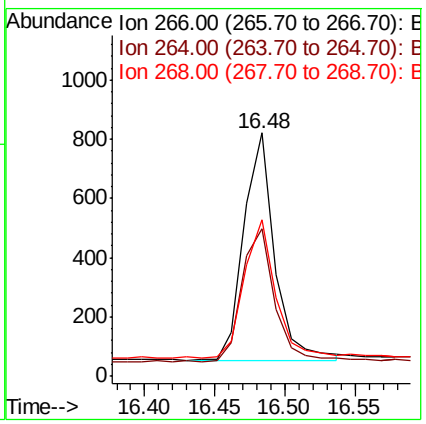


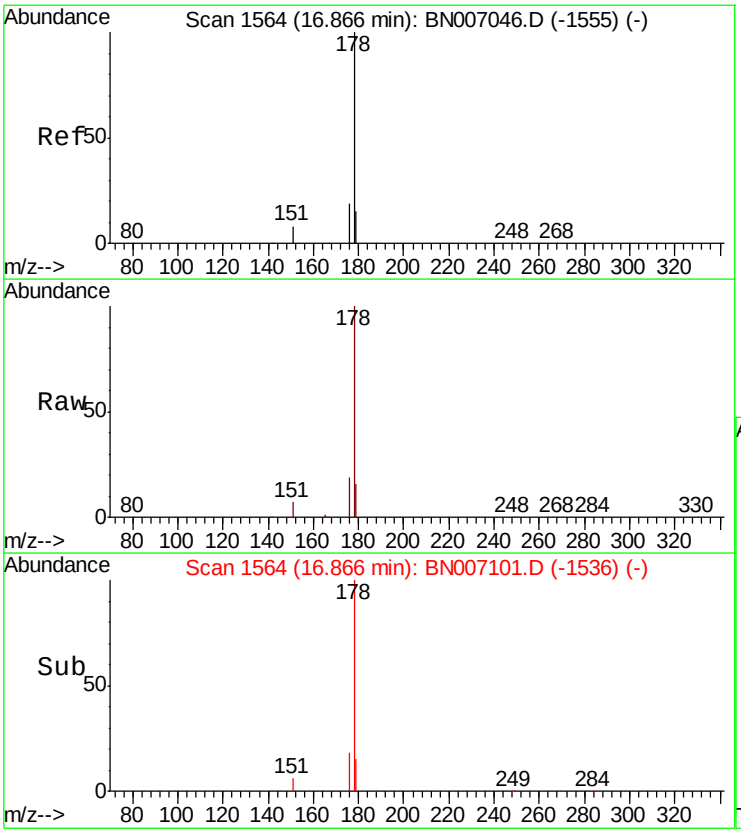
#21
Pentachlorophenol
Concen: 0.139 ng
RT: 16.48 min Scan# 1528
Delta R.T. -0.00 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:266 Resp: 1183

Ion	Ratio	Lower	Upper
266	100		
264	60.6	52.3	78.5
268	64.2	51.5	77.3

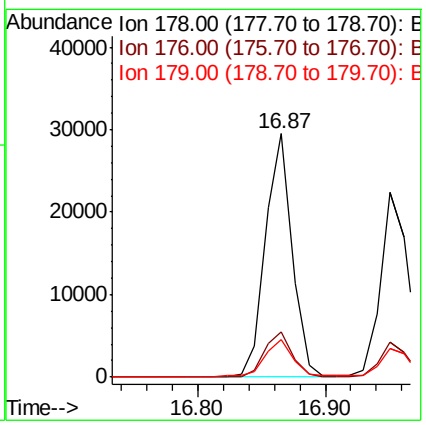


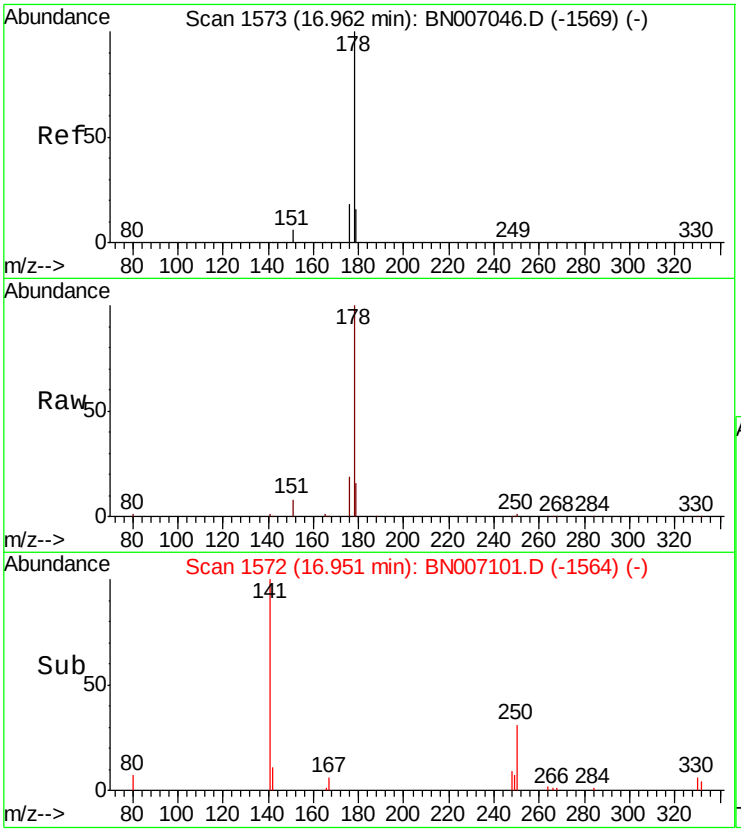


#22
Phenanthrene
Concen: 0.369 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Tgt Ion:178 Resp: 42454

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.2	22.8
179	15.5	12.3	18.5



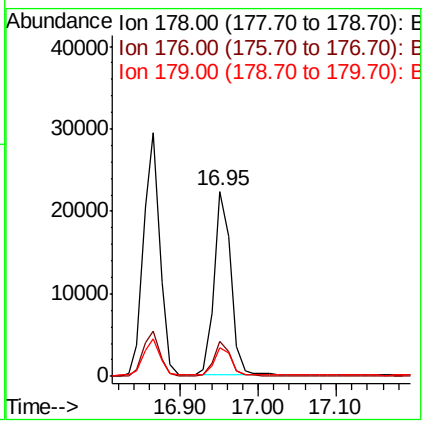


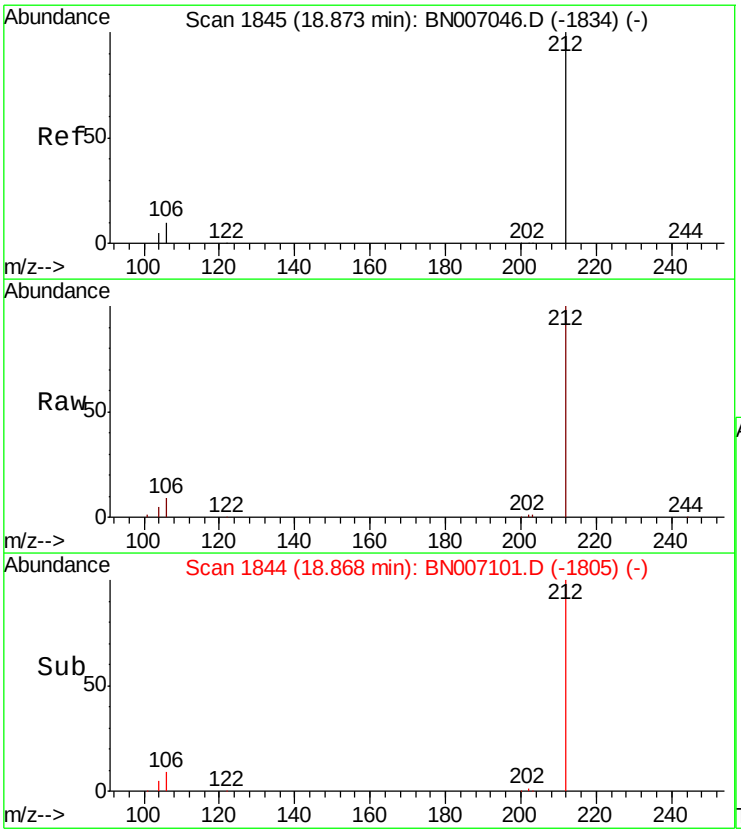
#23
Anthracene
Concen: 0.317 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp: 33301

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	15.2	12.5	18.7

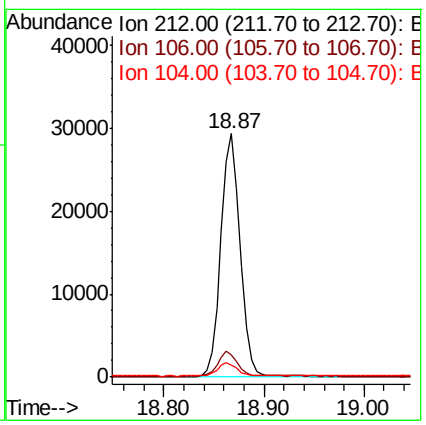


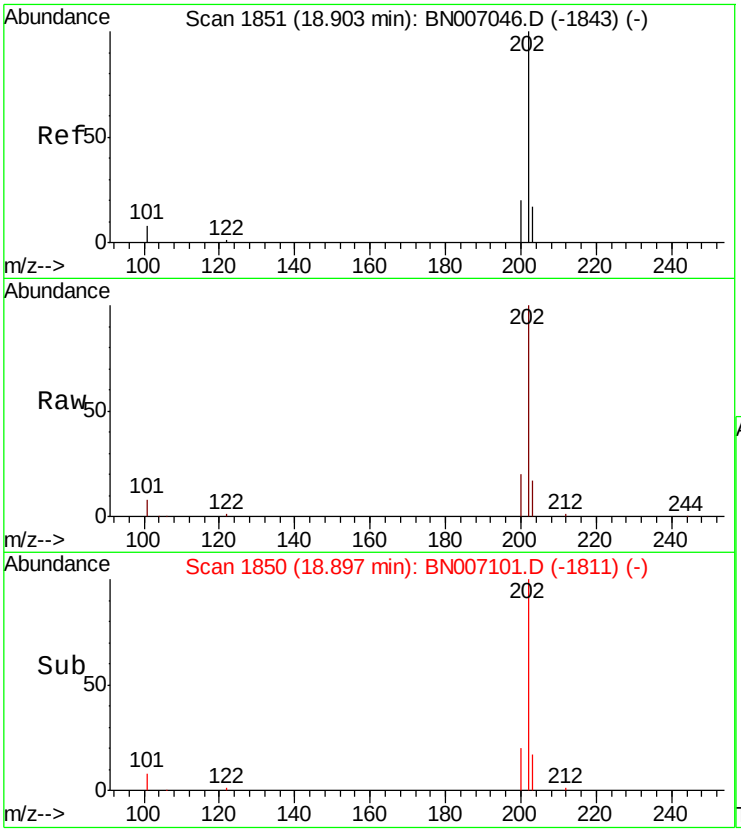


#24
Fluoranthene-d10
Concen: 0.285 ng
RT: 18.87 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Tgt Ion:212 Resp: 38775

Ion	Ratio	Lower	Upper
212	100		
106	10.2	8.2	12.2
104	5.5	4.5	6.7



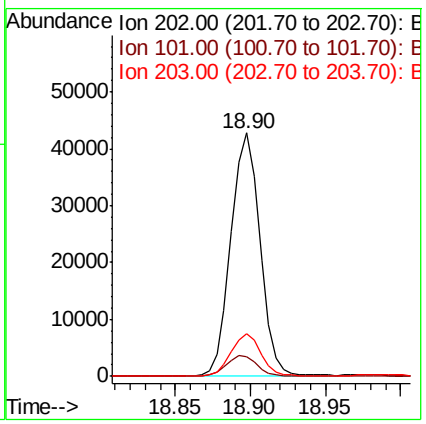


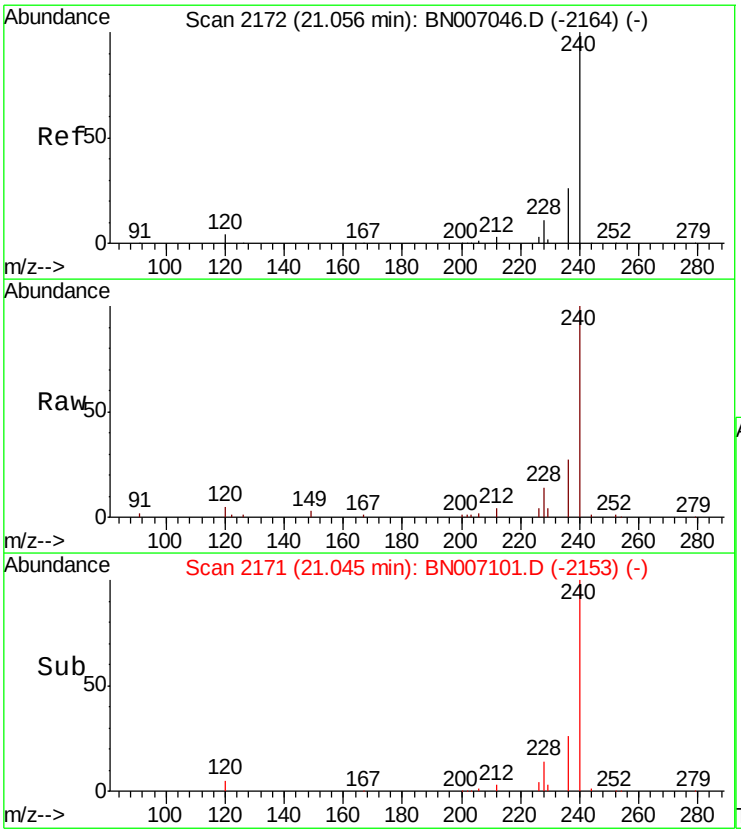
#25
Fluoranthene
Concen: 0.387 ng
RT: 18.90 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:202 Resp: 56966

Ion	Ratio	Lower	Upper
202	100		
101	8.7	7.0	10.4
203	17.3	13.8	20.8

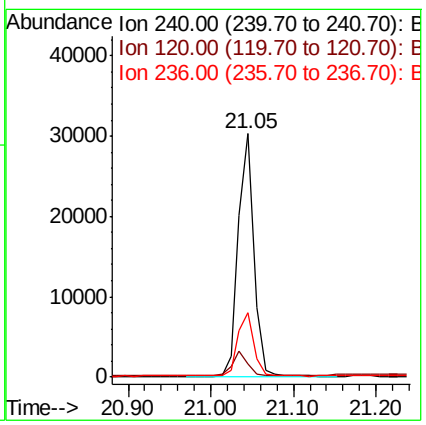


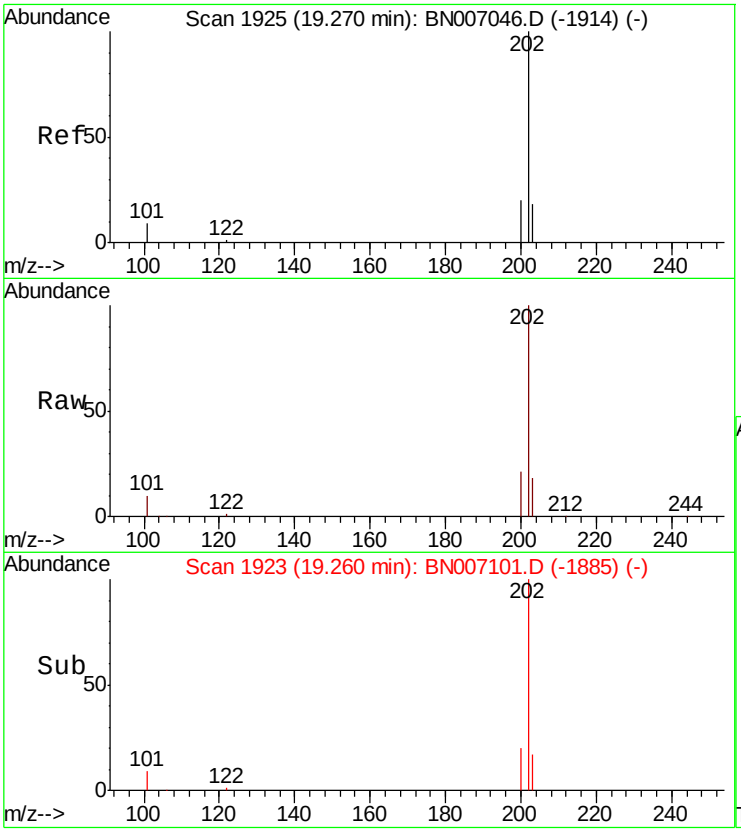


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Tgt Ion:240 Resp: 40057

Ion	Ratio	Lower	Upper
240	100		
120	5.5	4.0	6.0
236	26.5	21.3	31.9



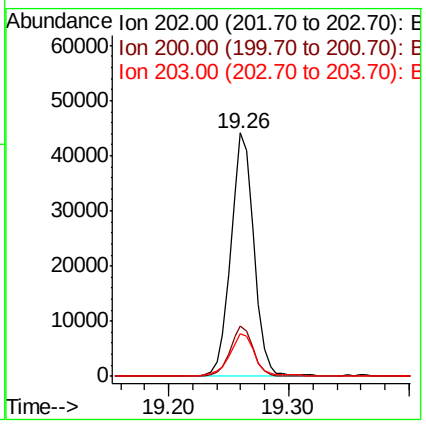


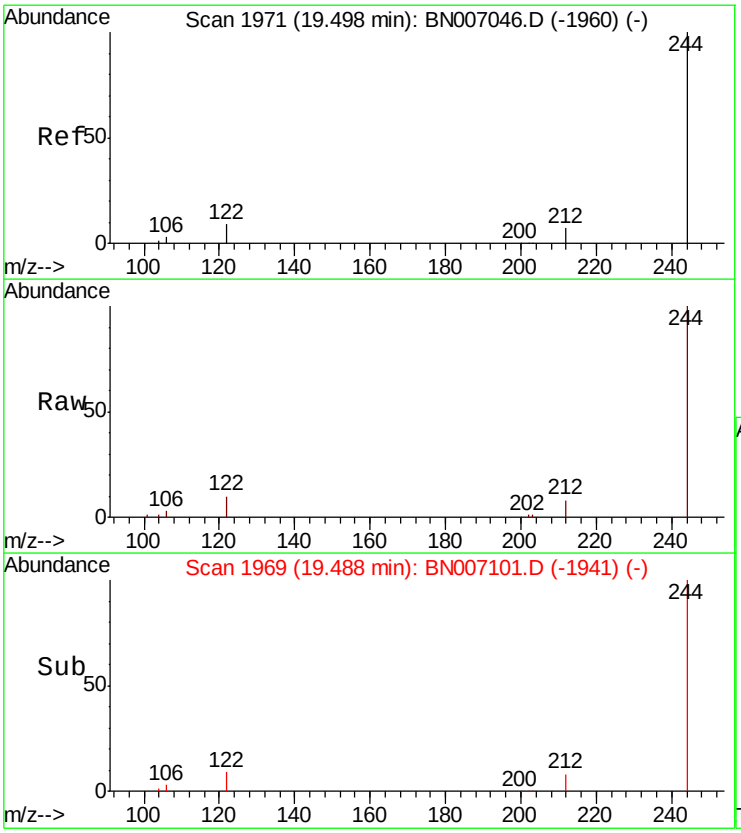
#27
Pyrene
Concen: 0.413 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:202 Resp: 58013

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	24.8
203	18.6	14.0	21.0

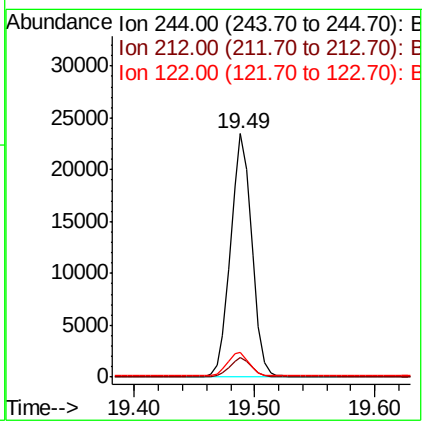


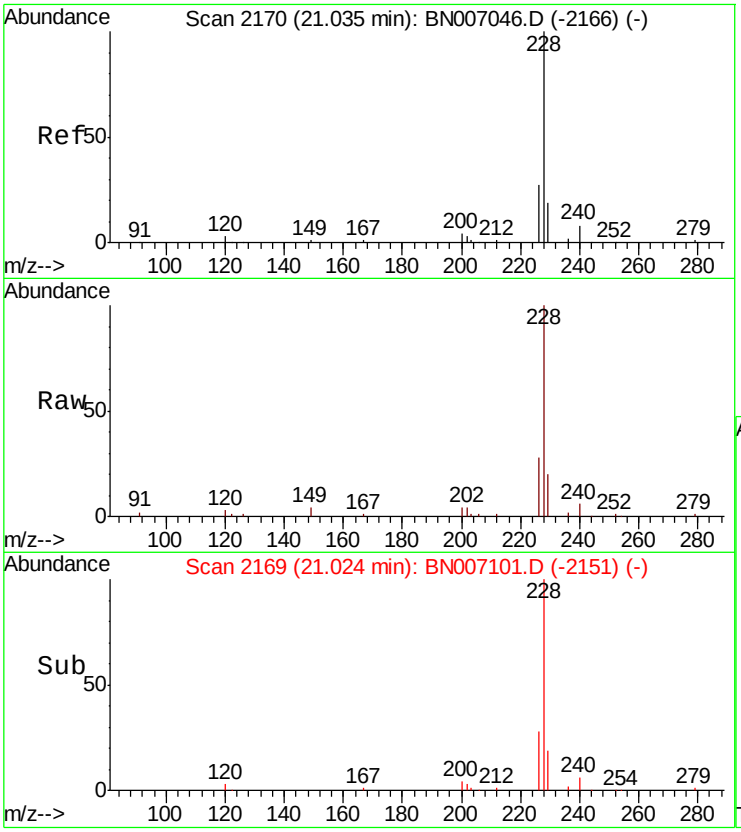


#28
Terphenyl-d14
Concen: 0.262 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Tgt Ion:244 Resp: 28584

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.2
122	10.0	7.4	11.2



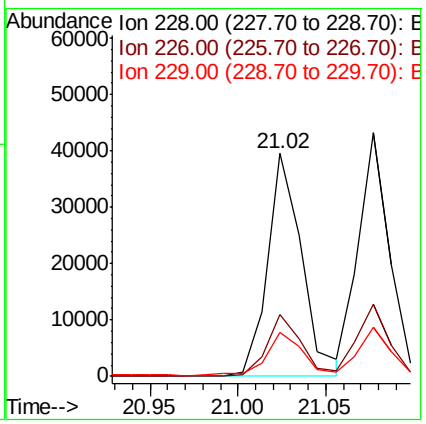


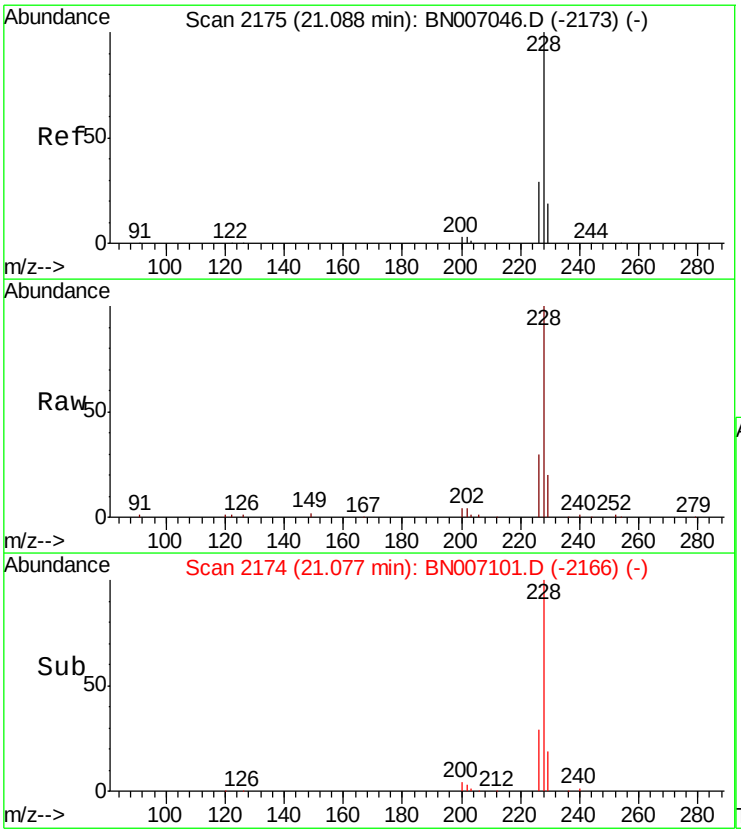
#29
Benzo(a)anthracene
Concen: 0.363 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 53150

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.8	32.6
229	19.8	15.6	23.4

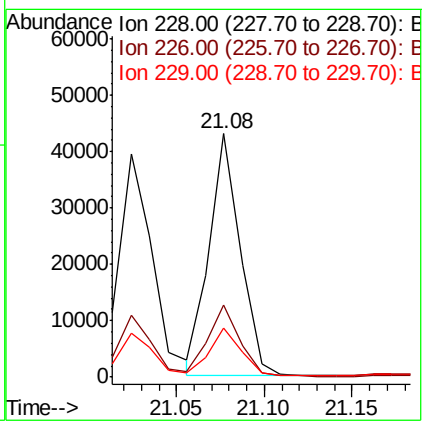


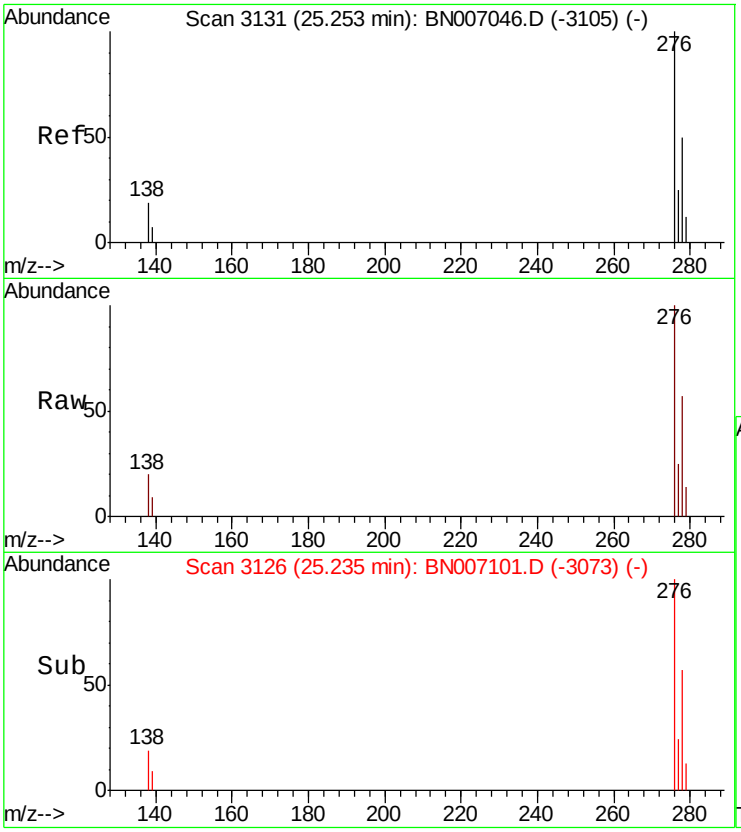


#30
Chrysene
Concen: 0.370 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Tgt Ion:228 Resp: 52699

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.8	35.6
229	20.4	15.7	23.5



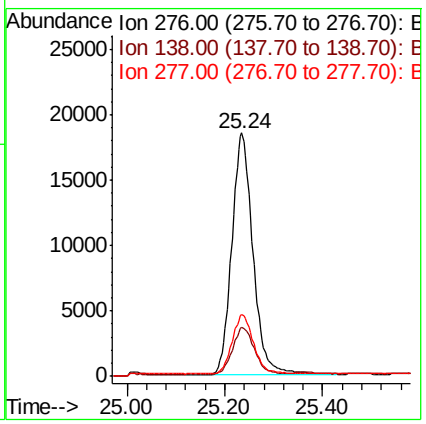


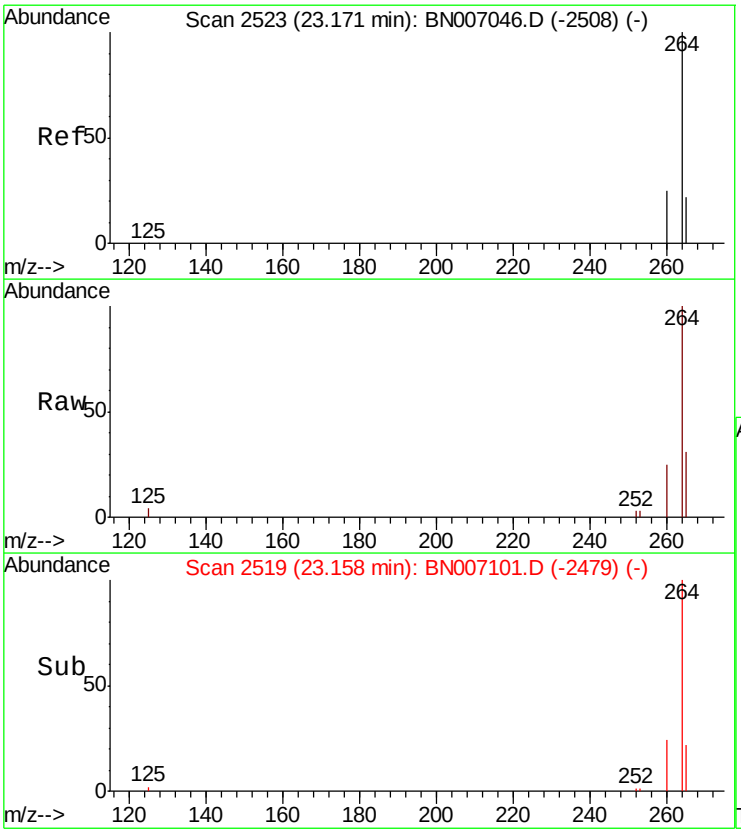
#31
Indeno(1,2,3-cd)pyrene
Concen: 0.358 ng
RT: 25.24 min Scan# 3126
Delta R.T. -0.02 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 56098

Ion	Ratio	Lower	Upper
276	100		
138	19.8	16.0	24.0
277	24.2	19.9	29.9

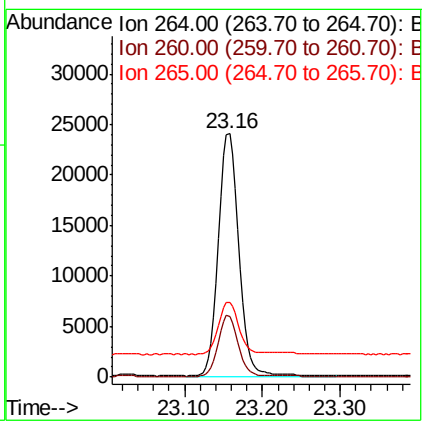


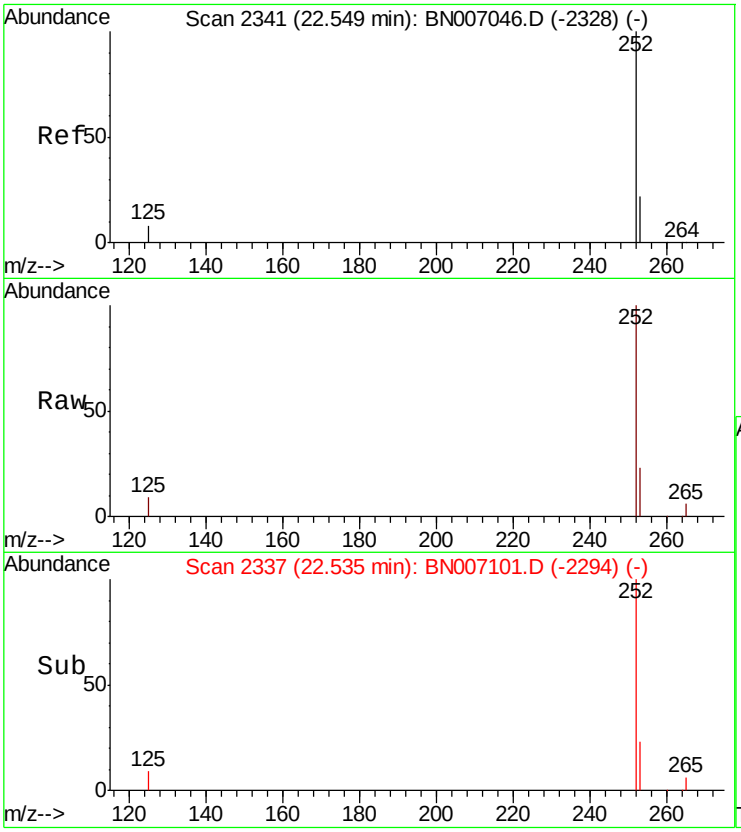


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Tgt Ion:264 Resp: 43510

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.8	29.8
265	30.9	26.2	39.4



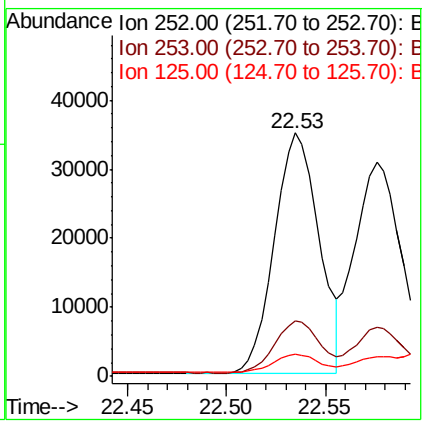


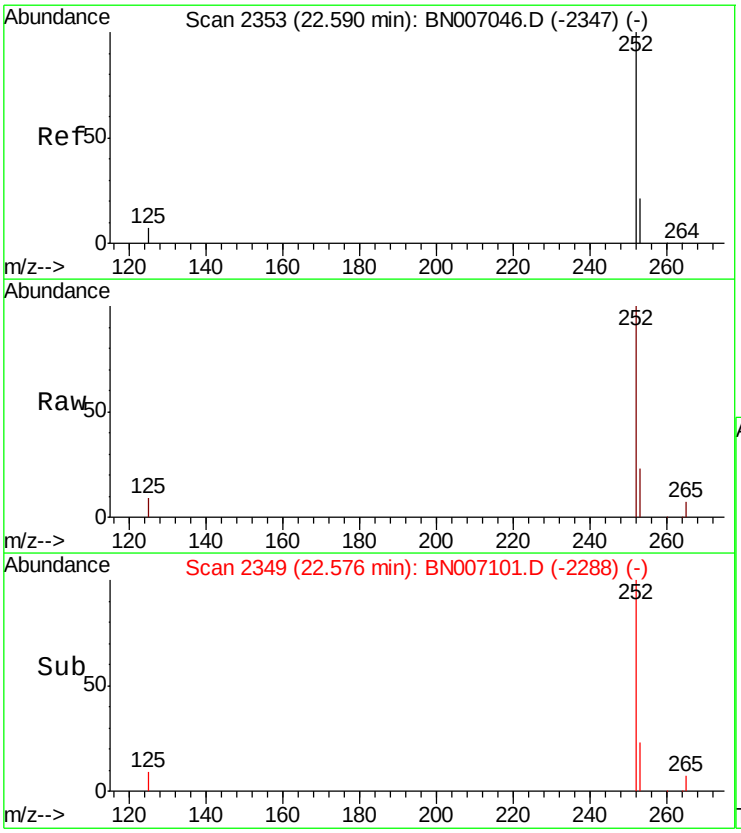
#33
Benzo(b)fluoranthene
Concen: 0.368 ng
RT: 22.53 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 54954

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	9.2	7.4	11.0

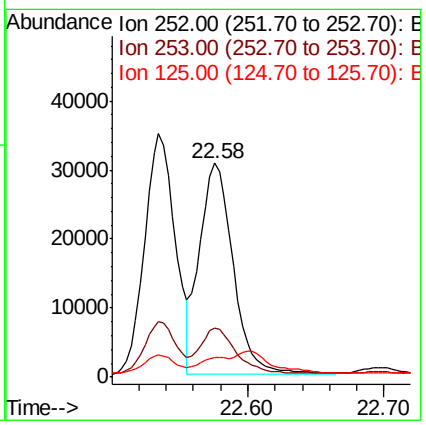


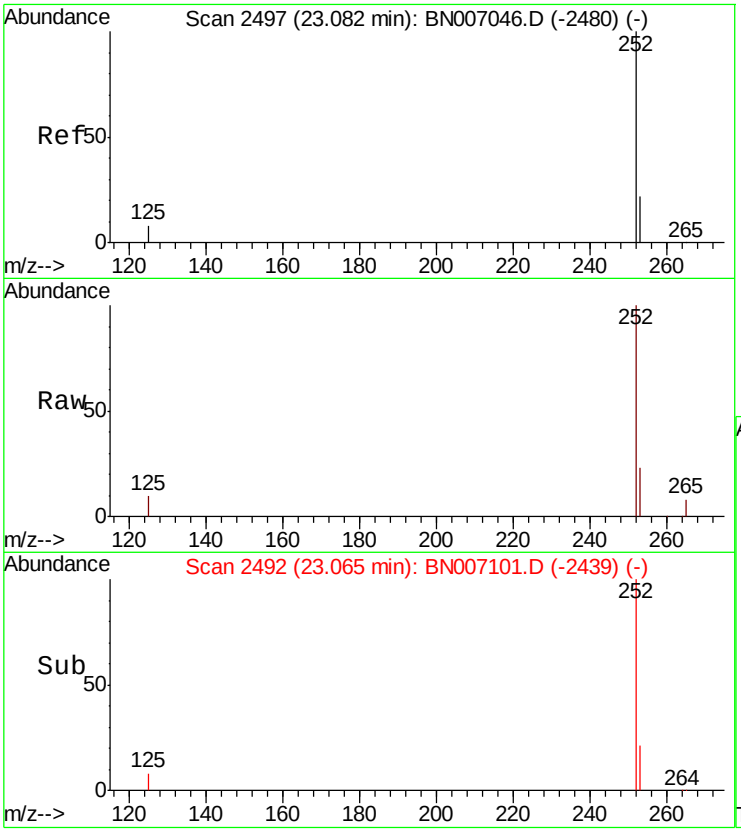


#34
Benzo(k)fluoranthene
Concen: 0.358 ng
RT: 22.58 min Scan# 2349
Delta R.T. -0.01 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Tgt Ion:252 Resp: 52783

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



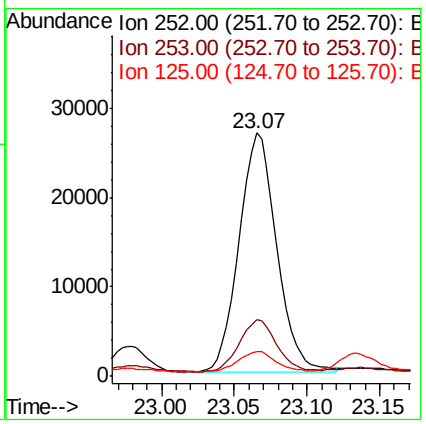


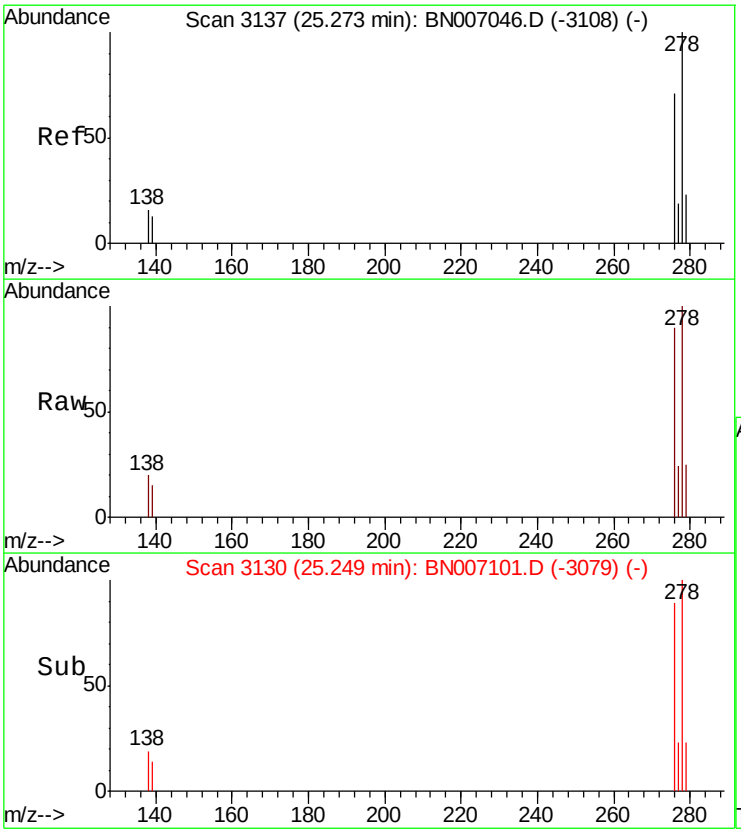
#35
Benzo(a)pyrene
Concen: 0.359 ng
RT: 23.07 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 48579

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.5	27.7
125	10.2	8.2	12.4

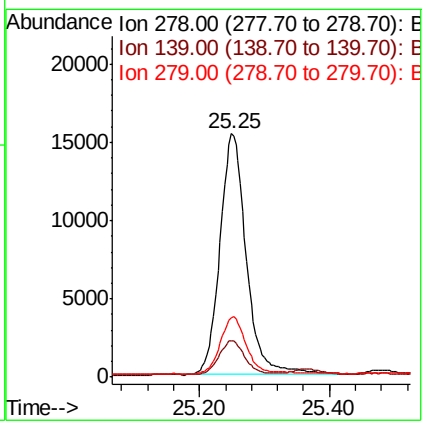


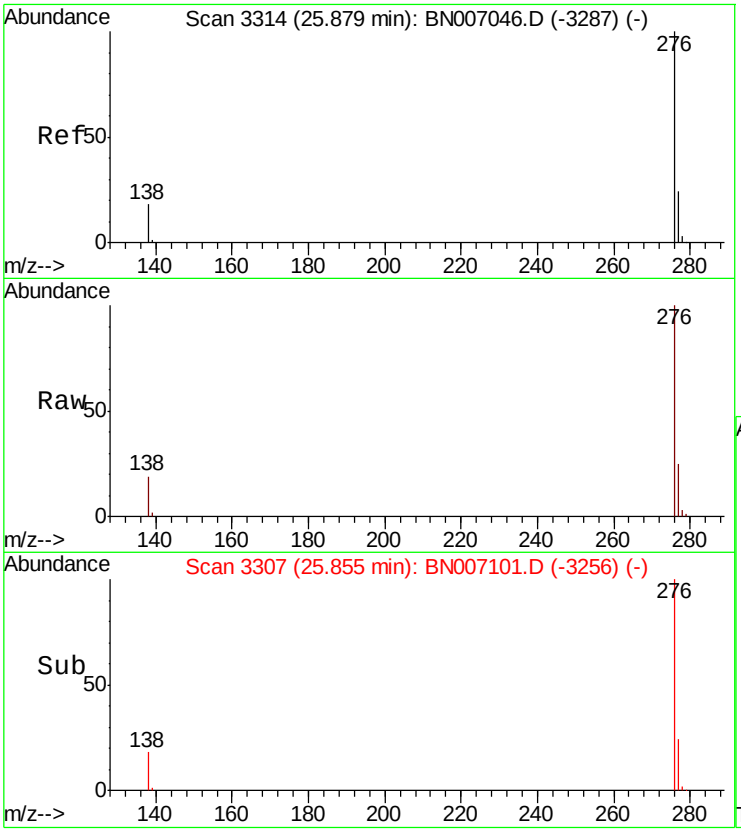


#36
Dibenzo(a,h)anthracene
Concen: 0.323 ng
RT: 25.25 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Tgt Ion:278 Resp: 43653

Ion	Ratio	Lower	Upper
278	100		
139	14.8	11.3	16.9
279	24.6	19.3	28.9





#37
Benzo(g,h,i)perylene
Concen: 0.345 ng
RT: 25.85 min Scan# 3307
Delta R.T. -0.02 min
Lab File: BN007101.D
Acq: 12 Aug 2019 17:05

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 47951

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.8	29.8
138	18.6	14.6	22.0