Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082919\

Quantitation Report (QT Reviewed)

Data File : BN007513.D
Acq On : 29 Aug 2019 21:42
Operator : HP/JU
Sample : PB122289BSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB122289BSD

Quant Time: Aug 30 02:01:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 12:18:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	5018	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	22192	0.40	ng		-0.01
13) Acenaphthene-d10	14.05	164	14059	0.40	ng		0.00
19) Phenanthrene-d10	16.79	188	37209	0.40	ng		0.00
27) Chrysene-d12	21.02	240	39014	0.40	ng		0.00
34) Perylene-d12	23.12	264	34890	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.03	112	5997	0.34	ng		0.00
5) Phenol-d6	6.59	99	8321	0.37	ng		0.00
8) Nitrobenzene-d5	8.53	82	6178	0.32	ng		0.00
11) 2-Methylnaphthalene-d10	11.75	152	14675	0.40	ng		0.00
14) 2,4,6-Tribromophenol	15.55	330	2497	0.34	ng		0.00
15) 2-Fluorobiphenyl	12.66	172	18015	0.32	ng		0.00
25) Fluoranthene-d10	18.84	212	42004	0.35	ng		0.00
29) Terphenyl-d14	19.46	244	32237	0.32	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.00	88	2012	0.241	ng	#	92
3) n-Nitrosodimethylamine	3.32	42	926	0.239	ng	#	67
6) bis(2-Chloroethyl)ether	6.83	93	5733	0.316	ng		97
9) Naphthalene	10.20	128	20625	0.325	ng	#	90
10) Hexachlorobutadiene	10.51	225	3489	0.269	ng	#	100
12) 2-Methylnaphthalene	11.83	142	14577	0.337	ng		95
16) Acenaphthylene	13.76	152	24346	0.293	ng		99
17) Acenaphthene	14.10	154	15142	0.311	ng		98
18) Fluorene	15.10	166	20174	0.328	ng		99
20) 4-Bromophenyl-phenylether	16.01	248	3704	0.252	ng		94
21) Hexachlorobenzene	16.11	284	7669	0.307	ng		95
22) Pentachlorophenol	16.46	266	2459	0.317	ng	#	65
23) Phenanthrene	16.84	178	35216	0.315	ng		99
24) Anthracene	16.93	178	33136	0.294	ng		99
26) Fluoranthene	18.87	202	47703	0.332	ng		99
28) Pyrene	19.24	202	48679	0.310	ng		99
30) Benzo(a)anthracene	20.99	228	45424	0.296	ng		99
31) Chrysene	21.05	228	46446	0.314	ng		98
32) Bis(2-ethylhexyl)phthalate	20.96	149	25958	0.243	ng		99
33) Indeno(1,2,3-cd)pyrene	25.19	276	41156	0.231	ng		97
35) Benzo(b)fluoranthene	22.50	252	40637	0.321	ng		97
36) Benzo(k)fluoranthene	22.54	252	44213	0.354	ng		97
37) Benzo(a)pyrene	23.03	252	39151	0.325	ng		97
38) Dibenzo(a,h)anthracene	25.20	278	32937	0.274	ng		99
39) Benzo(g,h,i)perylene	25.81	276	34531	0.289	ng		100

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

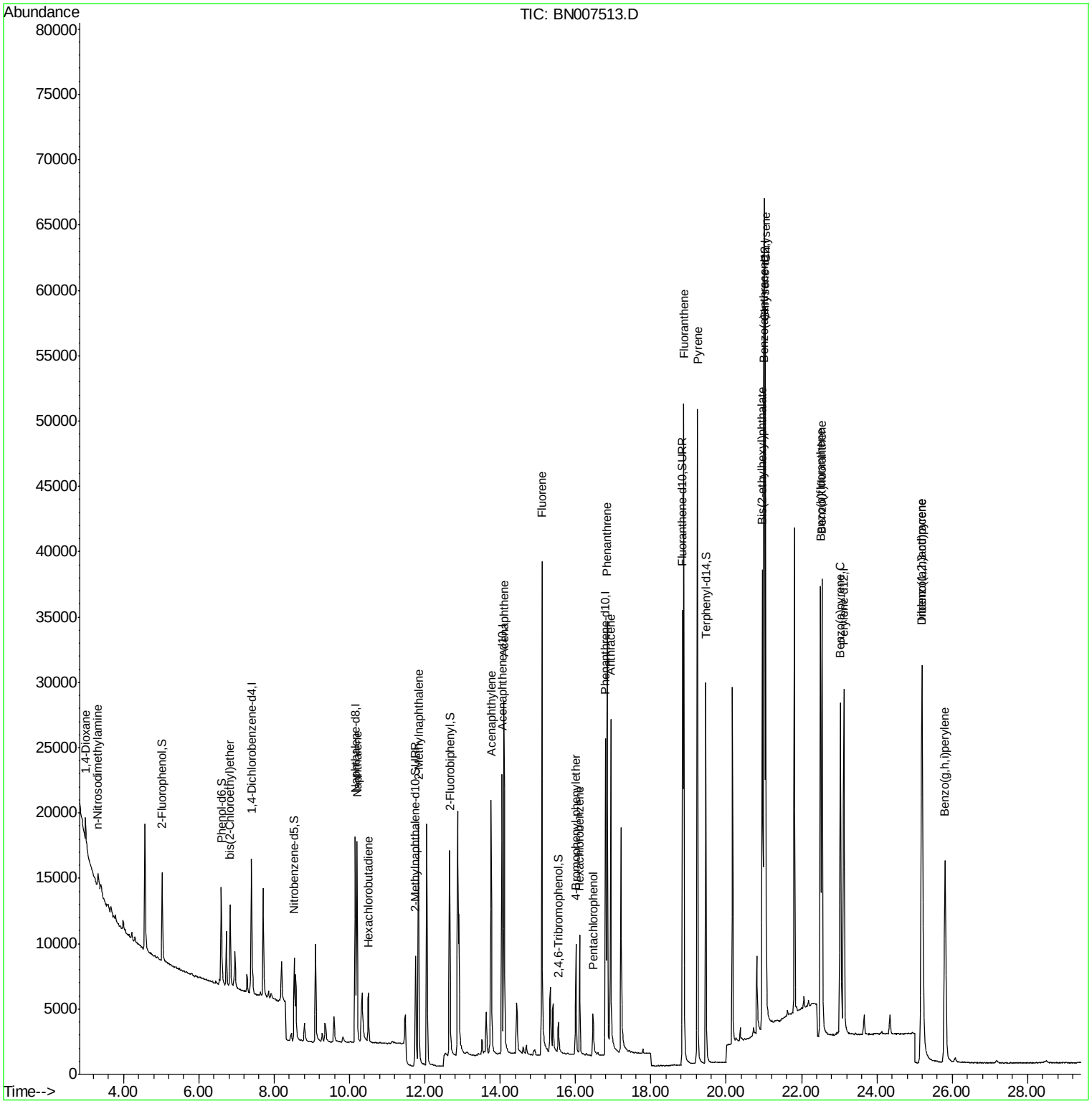
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082919\

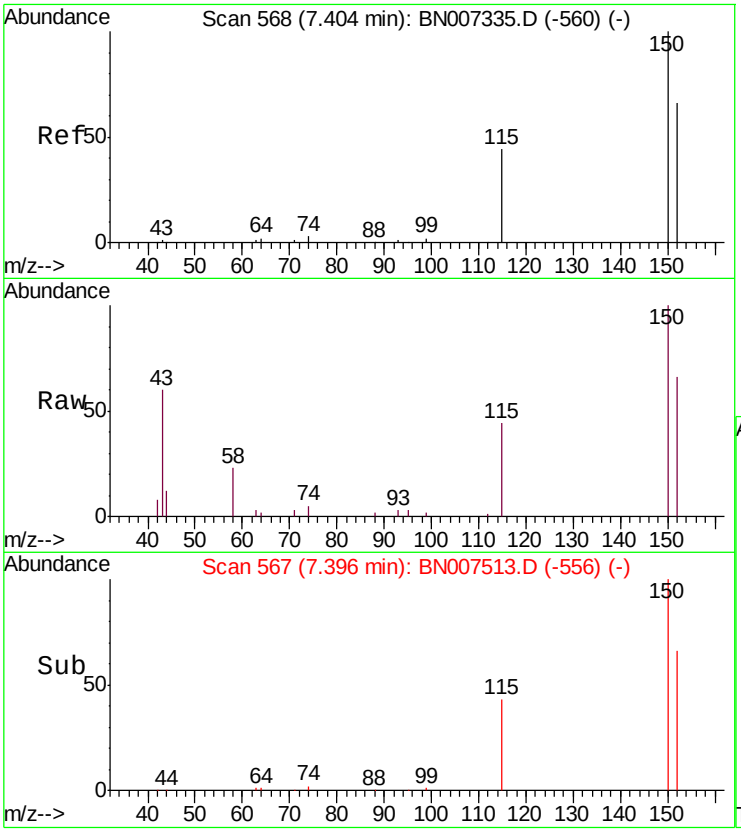
Quantitation Report (QT Reviewed)

Data File : BN007513.D
Acq On : 29 Aug 2019 21:42
Operator : HP/JU
Sample : PB122289BSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB122289BSD

Quant Time: Aug 30 02:01:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 12:18:45 2019
Response via : Initial Calibration



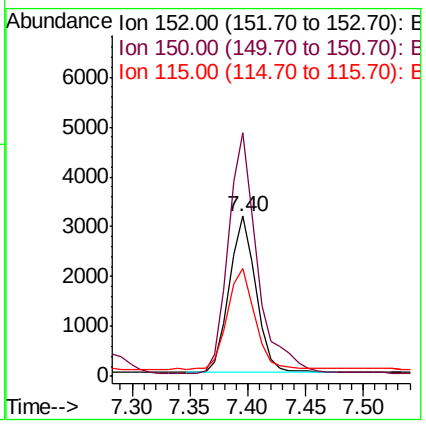


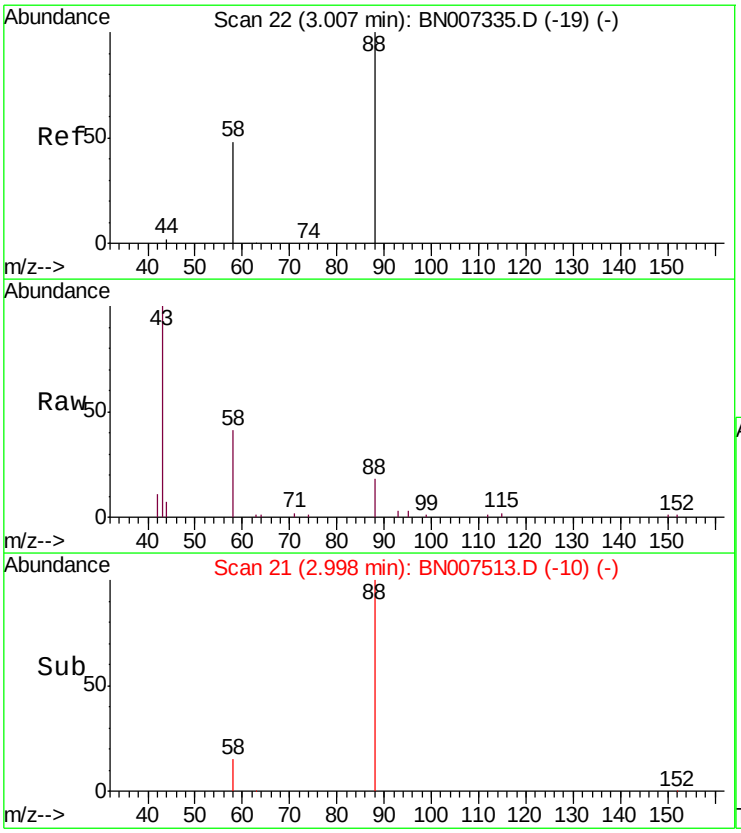
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Instrument :
BNA_N
ClientSampleId :
PB122289BSD

Tgt Ion:152 Resp: 5018

Ion	Ratio	Lower	Upper
152	100		
150	152.0	109.1	163.7
115	67.6	59.6	89.4

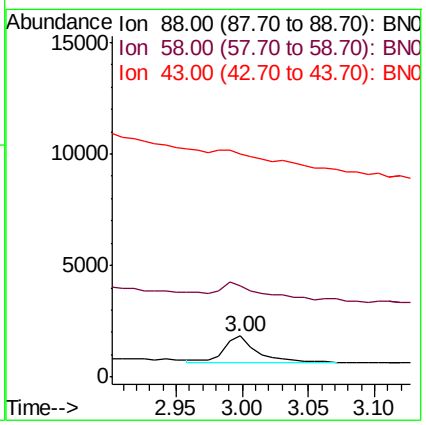


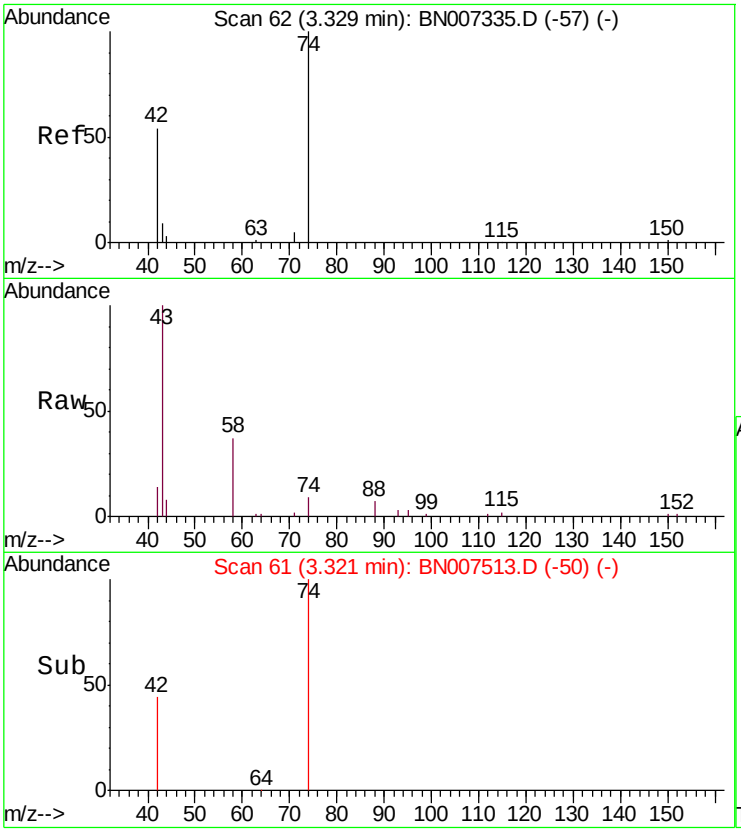


#2
1,4-Dioxane
Concen: 0.241 ng
RT: 3.00 min Scan# 21
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Tgt Ion: 88 Resp: 2012

Ion	Ratio	Lower	Upper
88	100		
58	68.9	50.5	75.7
43	0.0	0.0	0.0



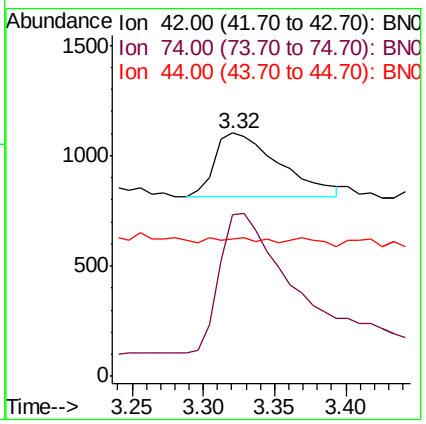


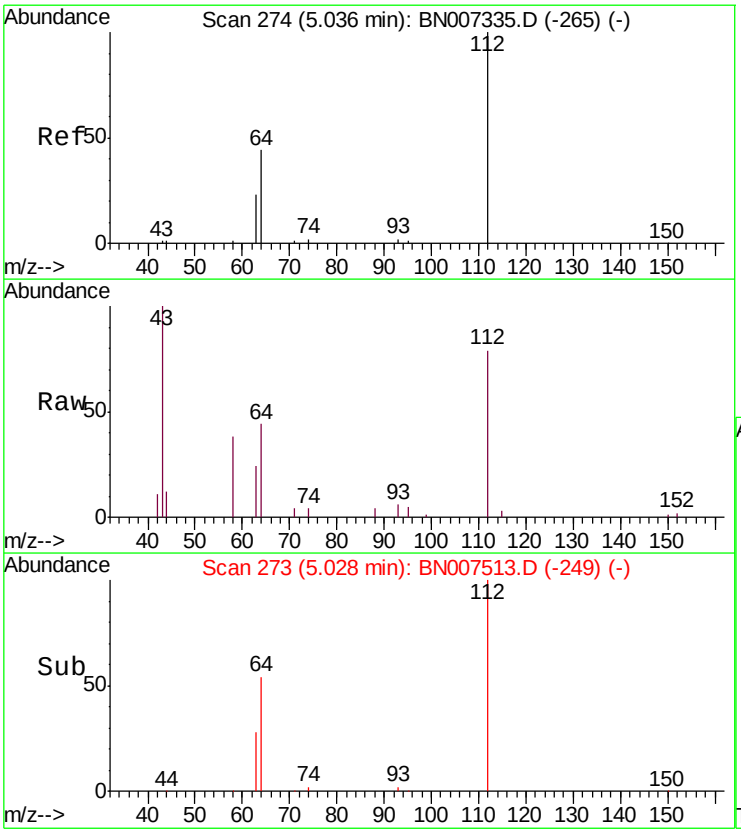
#3
n-Nitrosodimethylamine
Concen: 0.239 ng
RT: 3.32 min Scan# 61
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Instrument :
BNA_N
ClientSampleId :
PB122289BSD

Tgt Ion: 42 Resp: 926

Ion	Ratio	Lower	Upper
42	100		
74	228.6	144.7	217.1#
44	6.9	3.2	4.8#

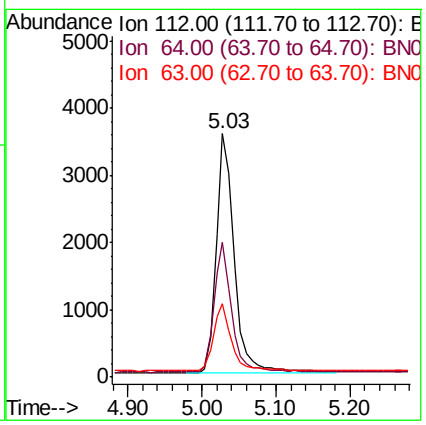


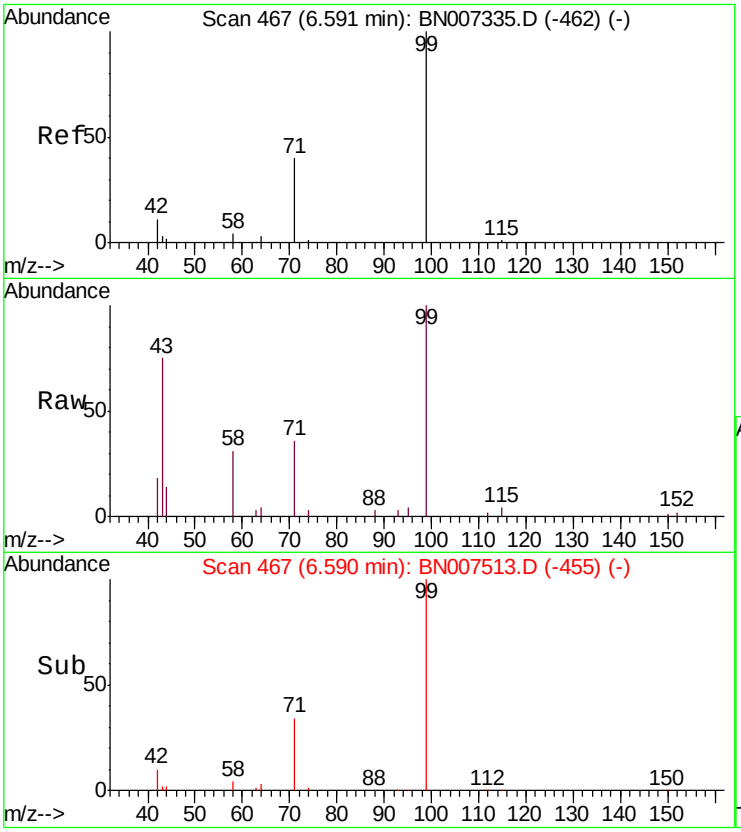


#4
2-Fluorophenol
Concen: 0.340 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Tgt Ion:112 Resp: 5997

Ion	Ratio	Lower	Upper
112	100		
64	52.6	42.3	63.5
63	27.7	23.6	35.4



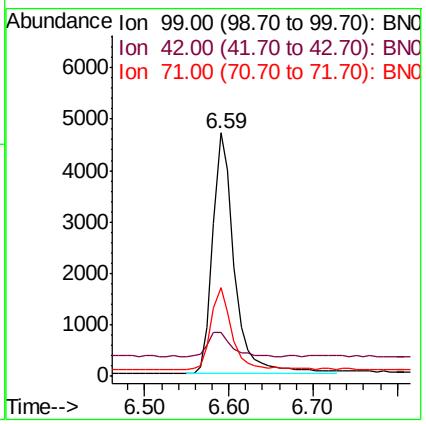


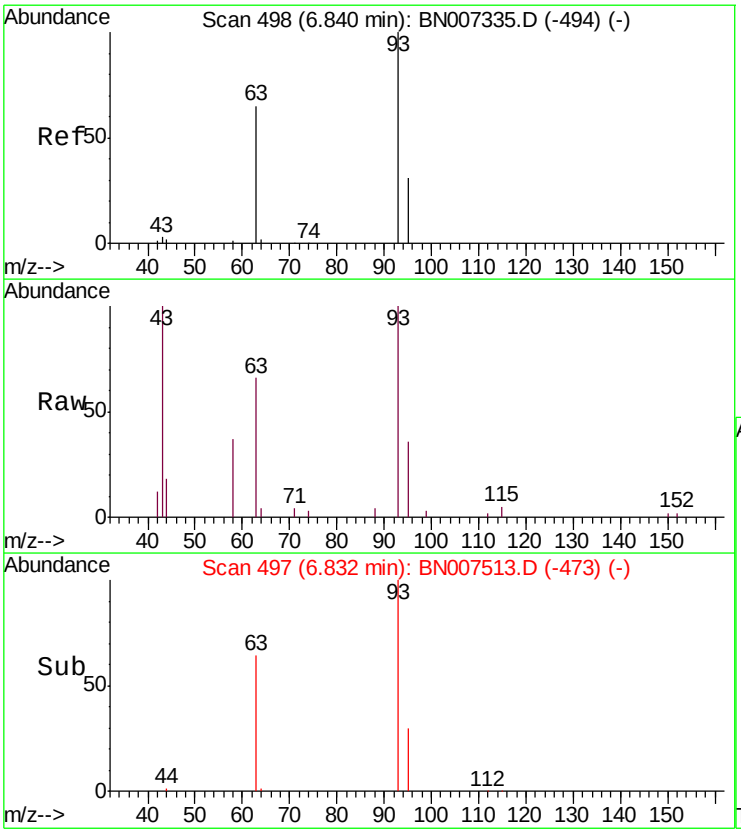
#5
Phenol-d6
Concen: 0.374 ng
RT: 6.59 min Scan# 467
Delta R.T. 0.00 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Instrument :
BNA_N
ClientSampleId :
PB122289BSD

Tgt Ion: 99 Resp: 8321

Ion	Ratio	Lower	Upper
99	100		
42	10.8	11.2	16.8#
71	33.8	31.8	47.8

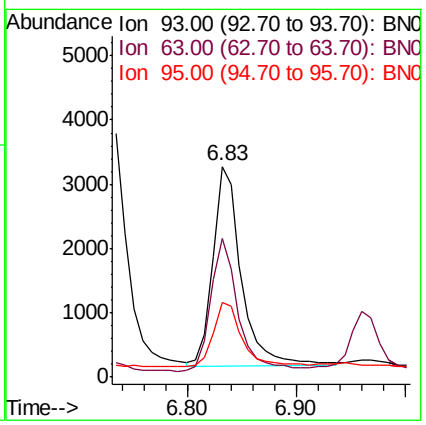


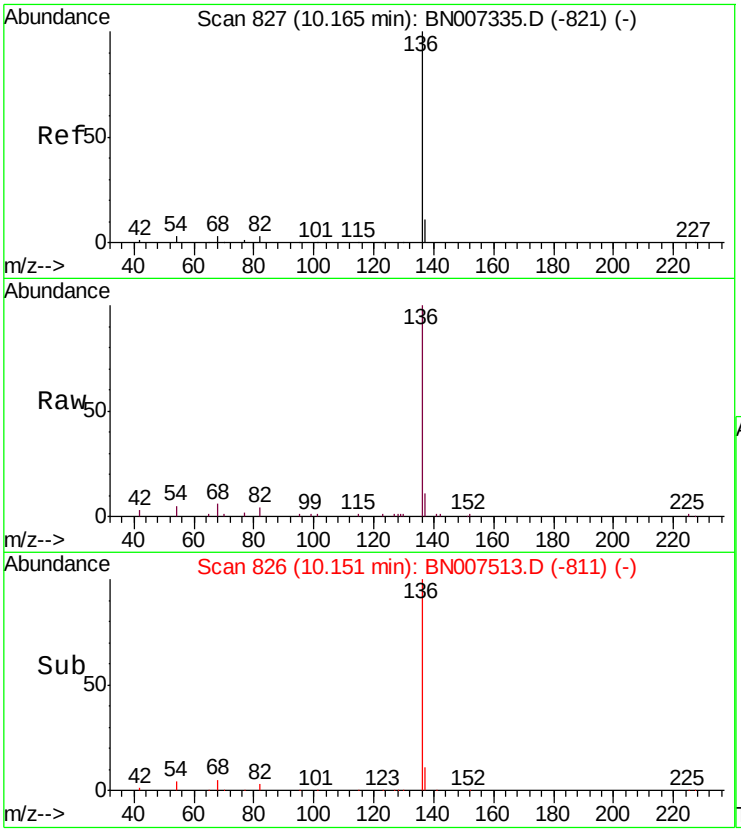


#6
bis(2-Chloroethyl)ether
Concen: 0.316 ng
RT: 6.83 min Scan# 497
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Tgt Ion: 93 Resp: 5733

Ion	Ratio	Lower	Upper
93	100		
63	62.6	51.9	77.9
95	32.5	27.7	41.5



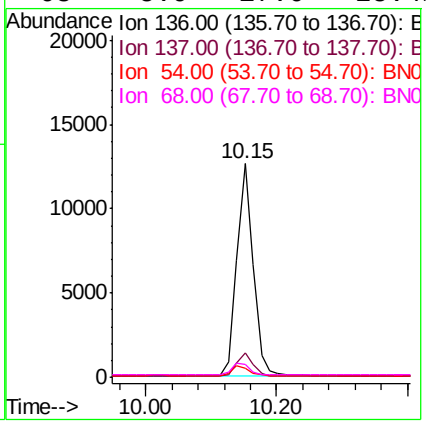


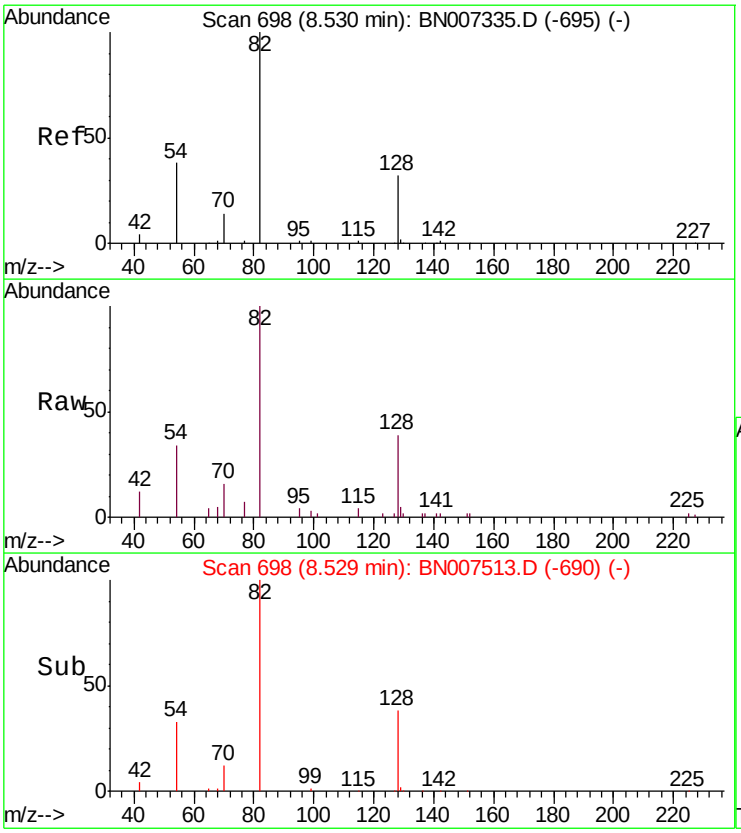
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 826
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Instrument :
BNA_N
ClientSampleId :
PB122289BSD

Tgt Ion:136 Resp: 22192

Ion	Ratio	Lower	Upper
136	100		
137	11.3	12.9	19.3#
54	4.5	8.6	12.8#
68	5.9	17.0	25.4#

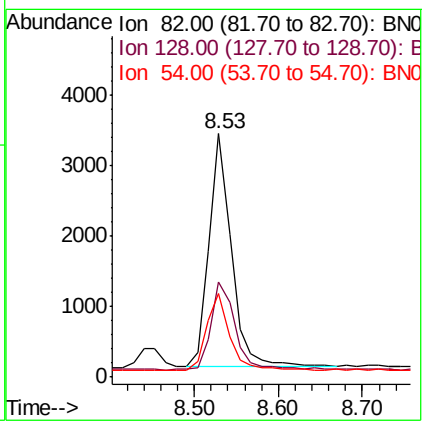


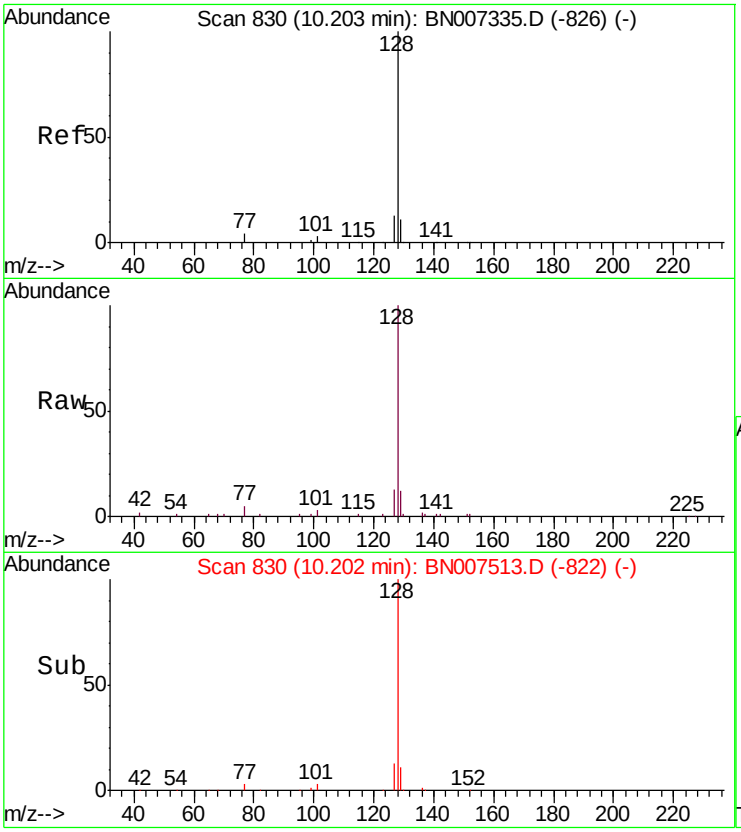


#8
Nitrobenzene-d5
Concen: 0.320 ng
RT: 8.53 min Scan# 698
Delta R.T. 0.00 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Tgt Ion: 82 Resp: 6178

Ion	Ratio	Lower	Upper
82	100		
128	39.3	19.7	29.5#
54	34.2	25.8	38.6



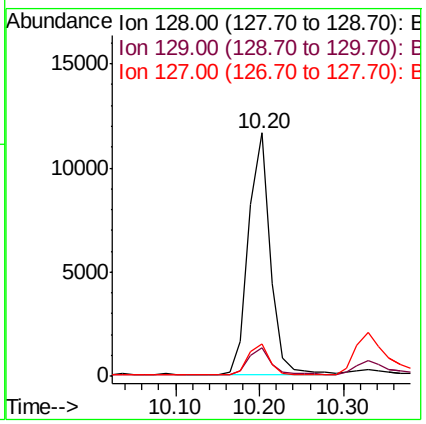


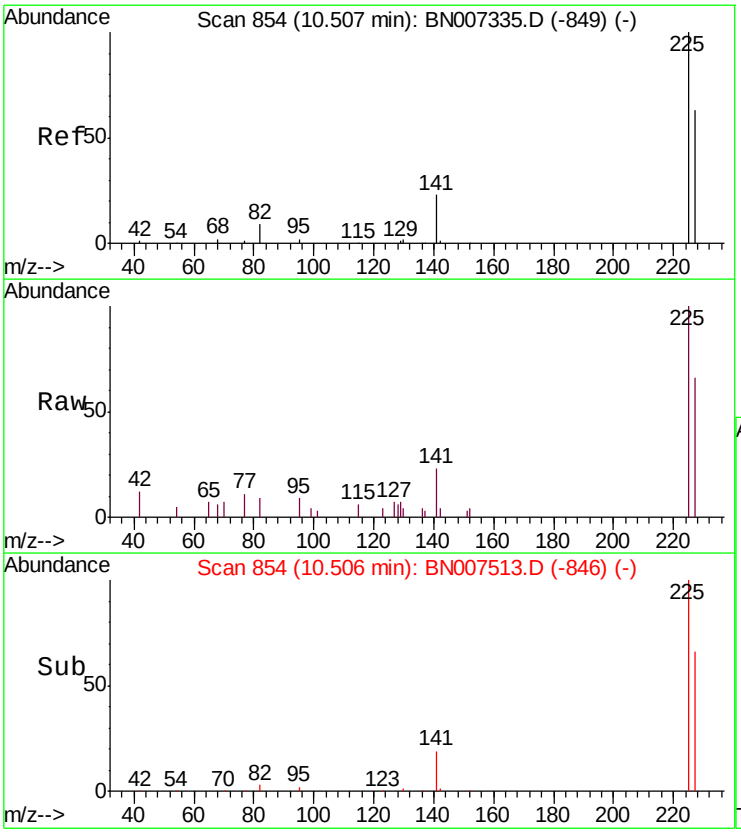
#9
Naphthalene
Concen: 0.325 ng
RT: 10.20 min Scan# 830
Delta R.T. -0.00 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Instrument :
BNA_N
ClientSampleId :
PB122289BSD

Tgt Ion:128 Resp: 20625

Ion	Ratio	Lower	Upper
128	100		
129	11.8	11.1	16.7
127	13.2	15.5	23.3#

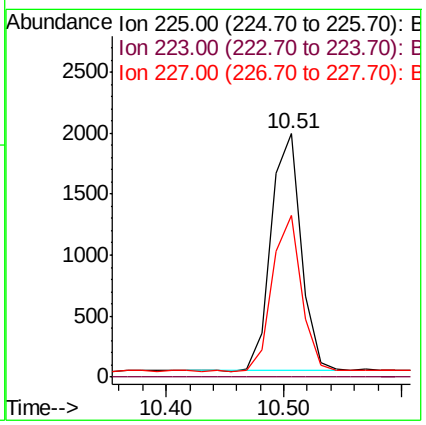


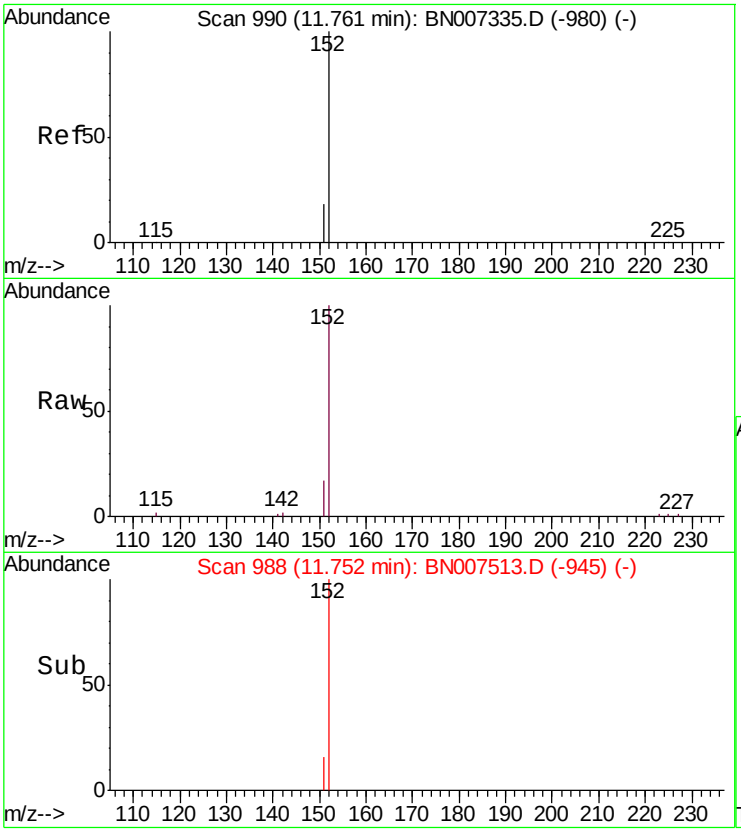


#10
Hexachlorobutadiene
Concen: 0.269 ng
RT: 10.51 min Scan# 854
Delta R.T. -0.00 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Tgt Ion:225 Resp: 3489

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	50.7	76.1



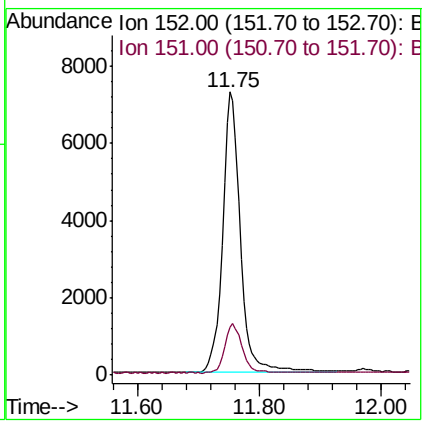


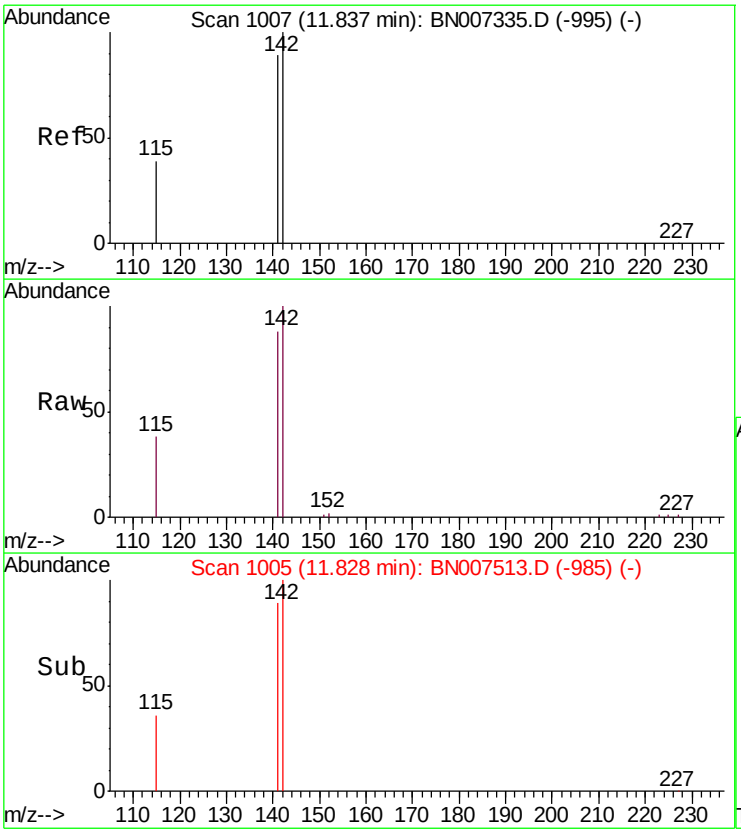
#11
2-Methylnaphthalene-d10
Concen: 0.398 ng
RT: 11.75 min Scan# 988
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Instrument :
BNA_N
ClientSampleId :
PB122289BSD

Tgt Ion:152 Resp: 14675

Ion	Ratio	Lower	Upper
152	100		
151	17.0	16.2	24.2

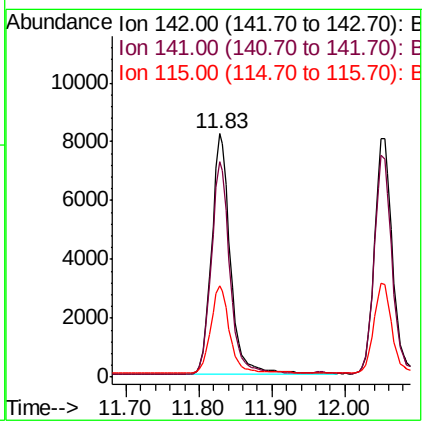


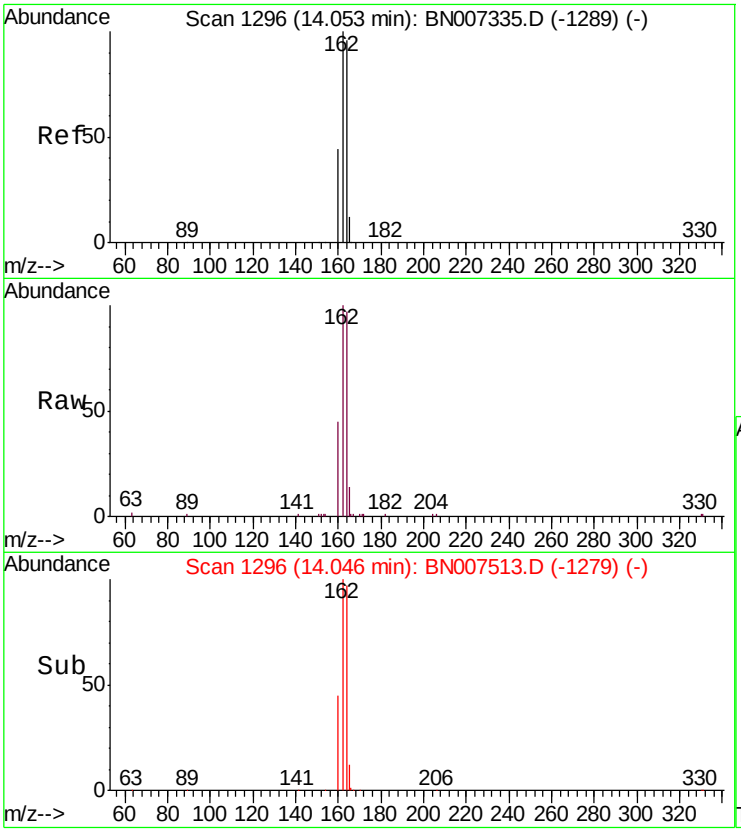


#12
2-Methylnaphthalene
Concen: 0.337 ng
RT: 11.83 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Tgt Ion:142 Resp: 14577

Ion	Ratio	Lower	Upper
142	100		
141	88.4	72.8	109.2
115	37.6	35.2	52.8



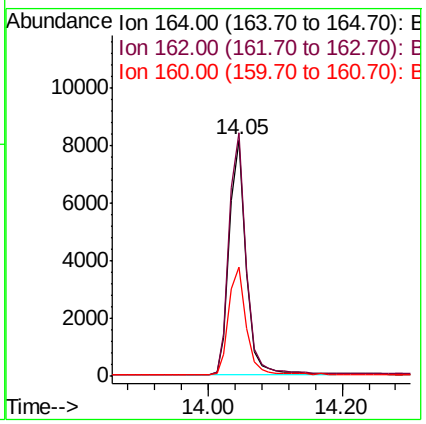


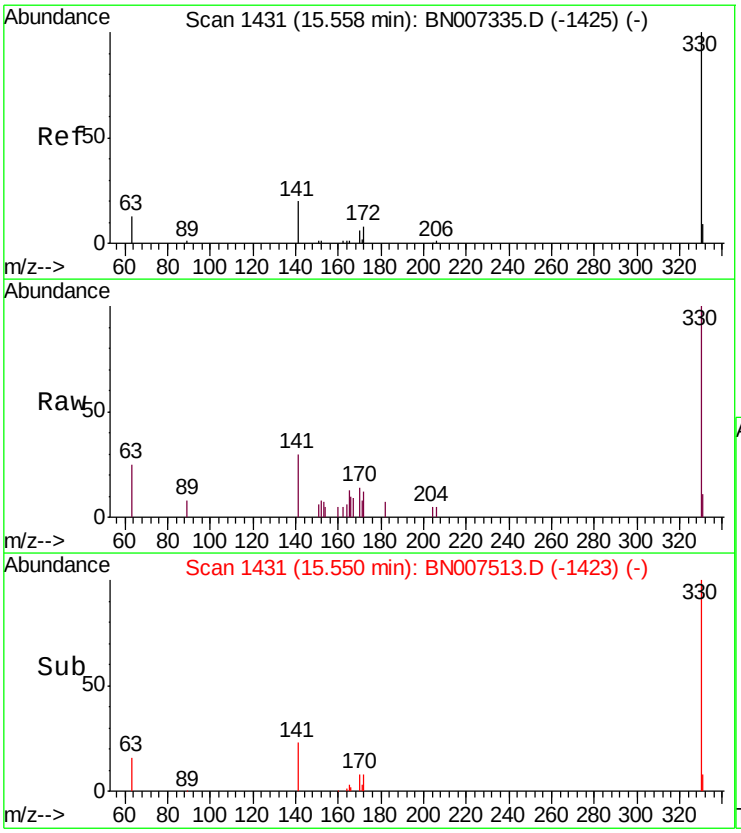
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Instrument :
BNA_N
ClientSampleId :
PB122289BSD

Tgt Ion:164 Resp: 14059

Ion	Ratio	Lower	Upper
164	100		
162	103.0	83.5	125.3
160	46.3	38.2	57.4

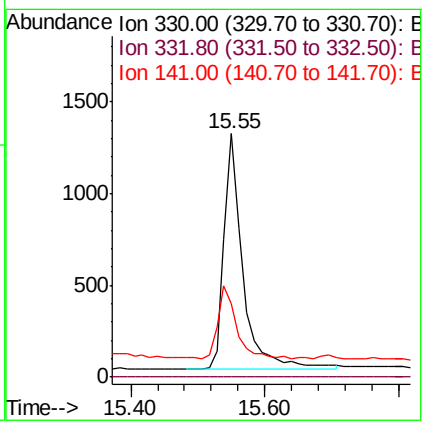


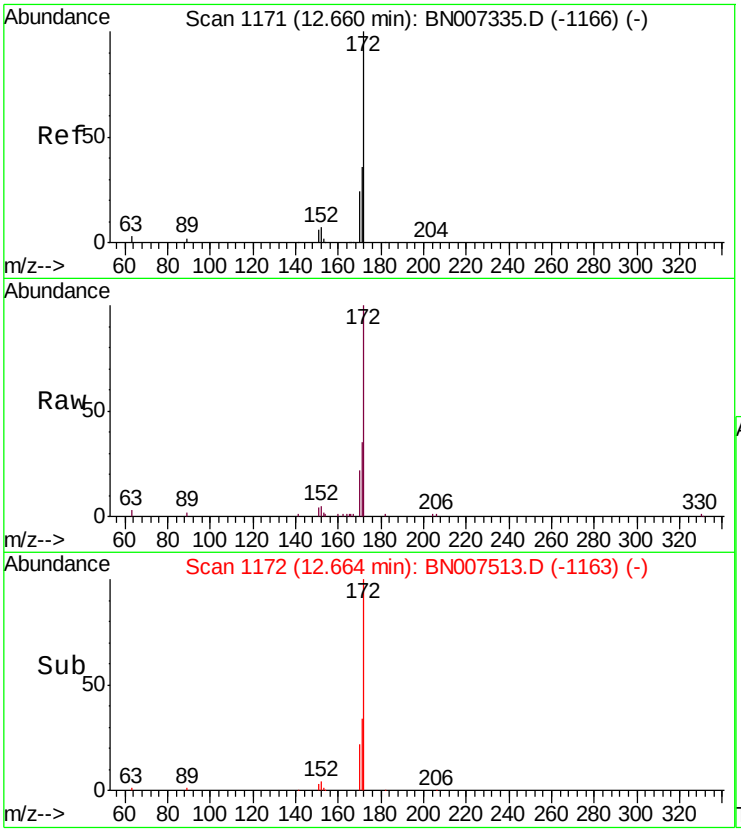


#14
2,4,6-Tribromophenol
Concen: 0.340 ng
RT: 15.55 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Tgt Ion:330 Resp: 2497

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.0	26.9	40.3



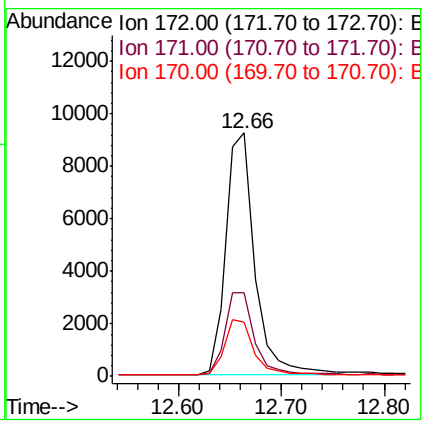


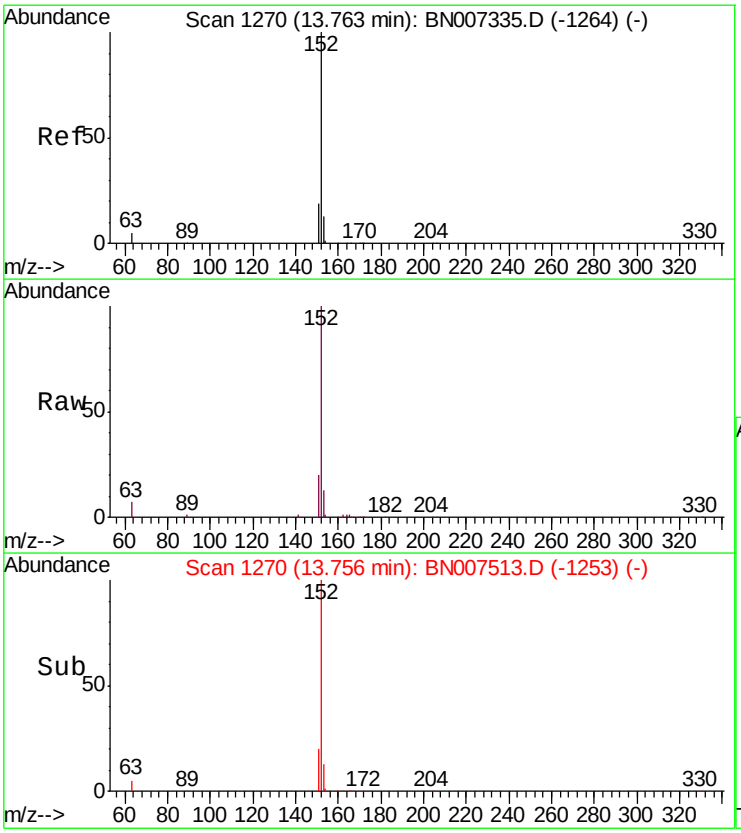
#15
2-Fluorobiphenyl
Concen: 0.318 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Instrument :
BNA_N
ClientSampleId :
PB122289BSD

Tgt Ion:172 Resp: 18015

Ion	Ratio	Lower	Upper
172	100		
171	34.5	30.3	45.5
170	22.4	20.7	31.1

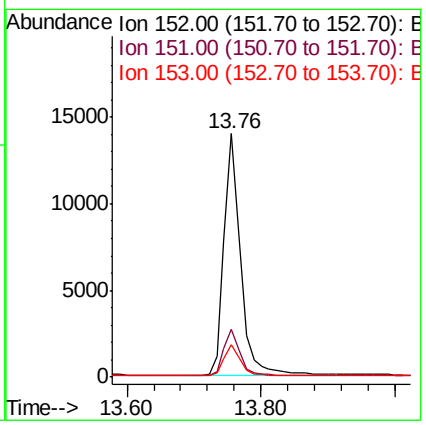


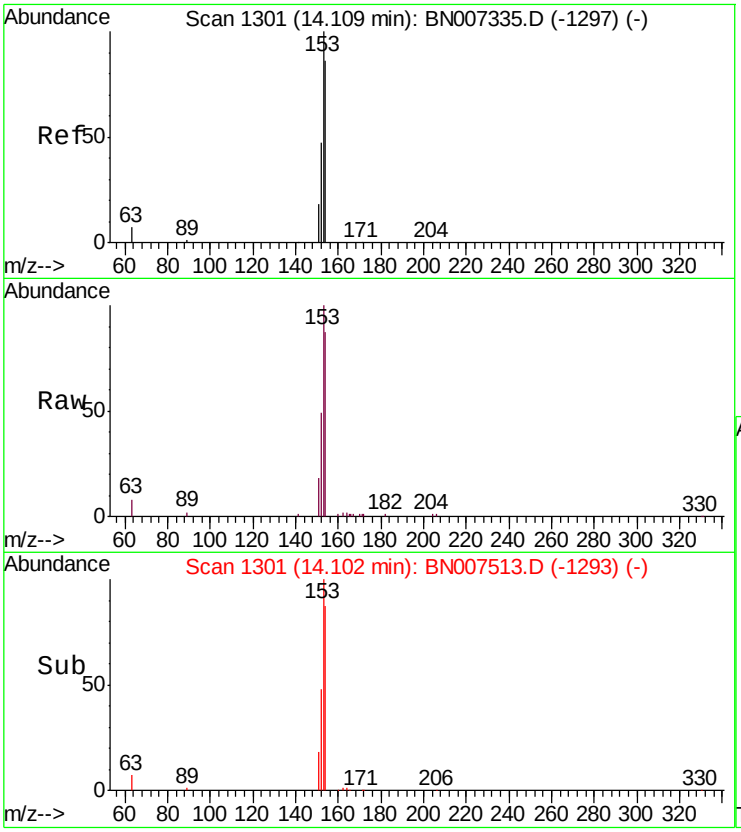


#16
Acenaphthylene
Concen: 0.293 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Tgt Ion:152 Resp: 24346

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.1	24.1
153	12.9	10.6	15.8



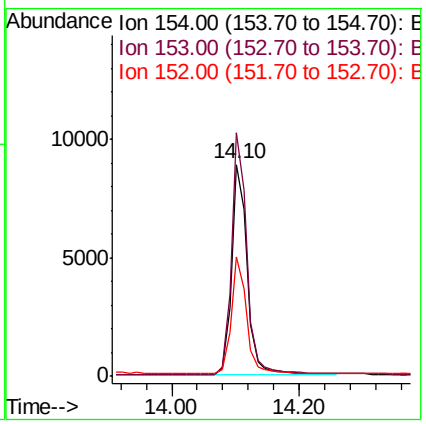


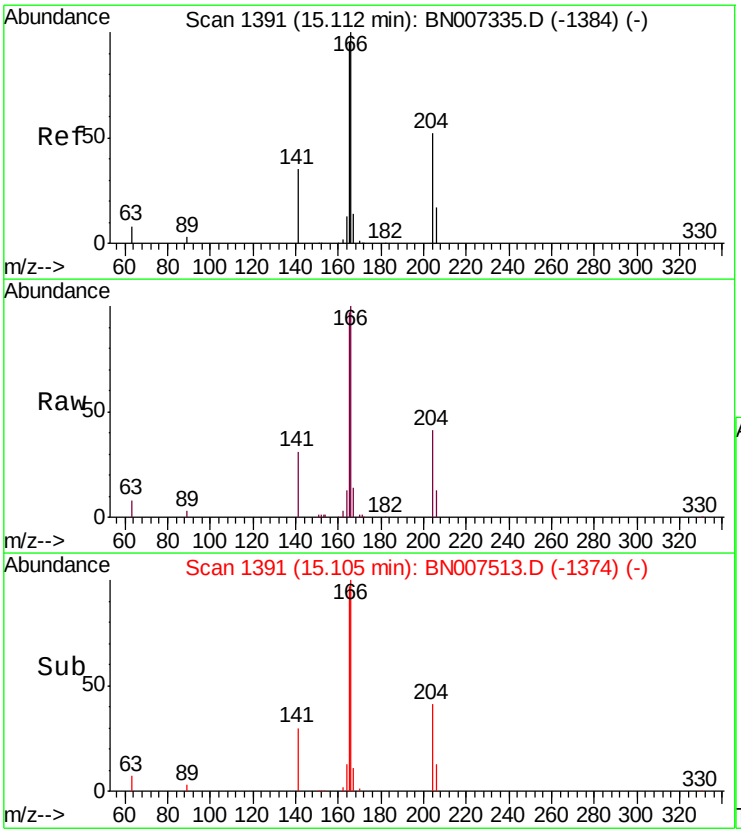
#17
Acenaphthene
Concen: 0.311 ng
RT: 14.10 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Instrument :
BNA_N
ClientSampleId :
PB122289BSD

Tgt Ion:154 Resp: 15142

Ion	Ratio	Lower	Upper
154	100		
153	113.5	92.8	139.2
152	54.1	43.8	65.8

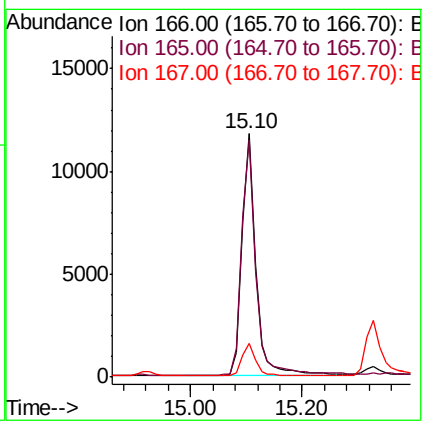


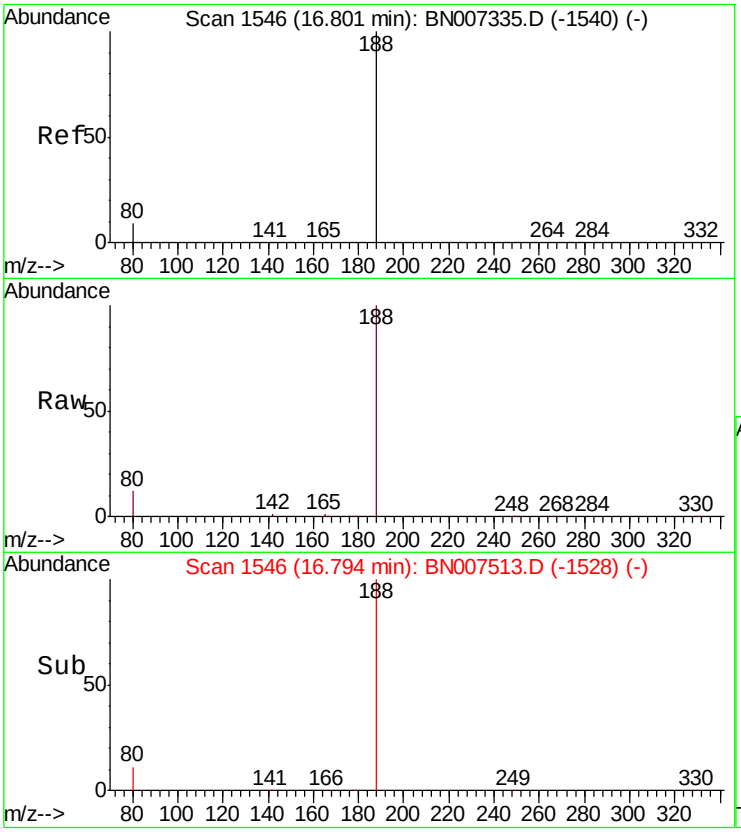


#18
Fluorene
Concen: 0.328 ng
RT: 15.10 min Scan# 1391
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Tgt Ion:166 Resp: 20174

Ion	Ratio	Lower	Upper
166	100		
165	98.1	79.0	118.4
167	13.4	10.6	15.8



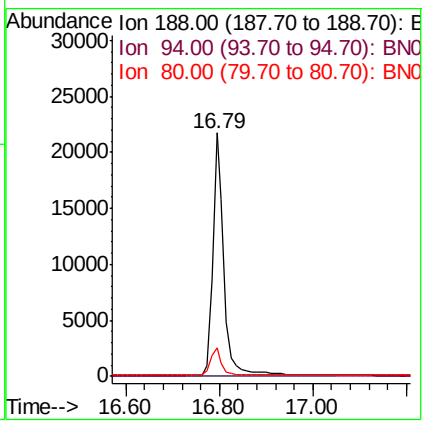


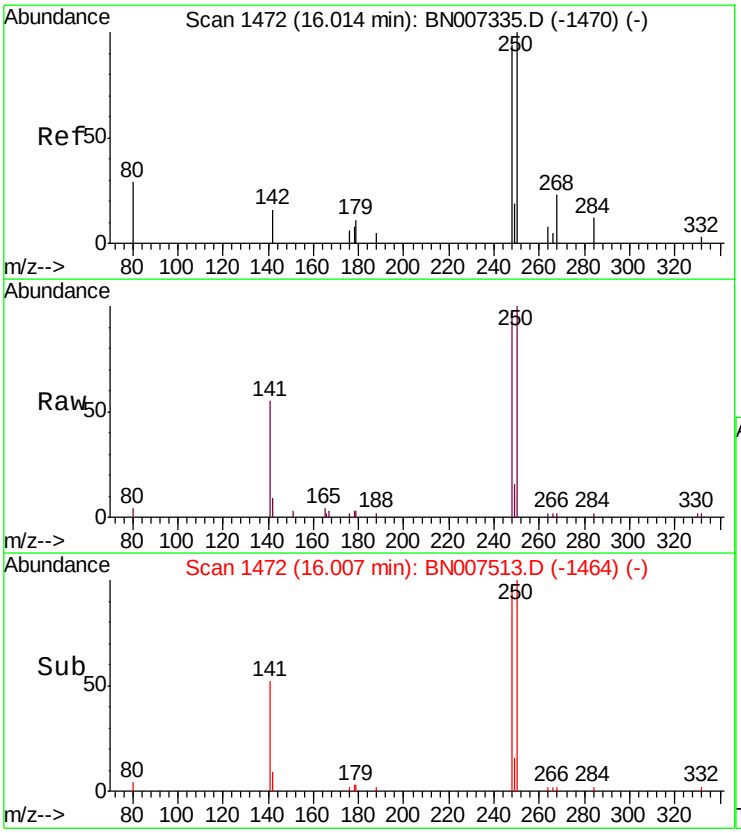
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.79 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Instrument :
BNA_N
ClientSampleId :
PB122289BSD

Tgt Ion:188 Resp: 37209

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.5	11.8	17.8#

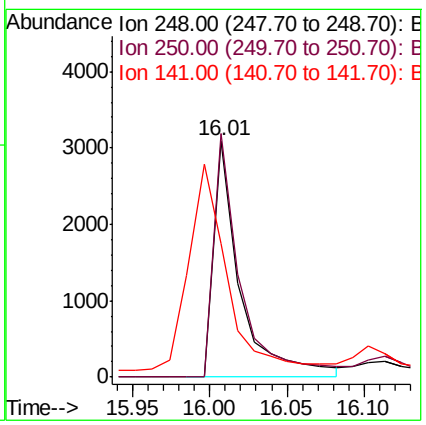


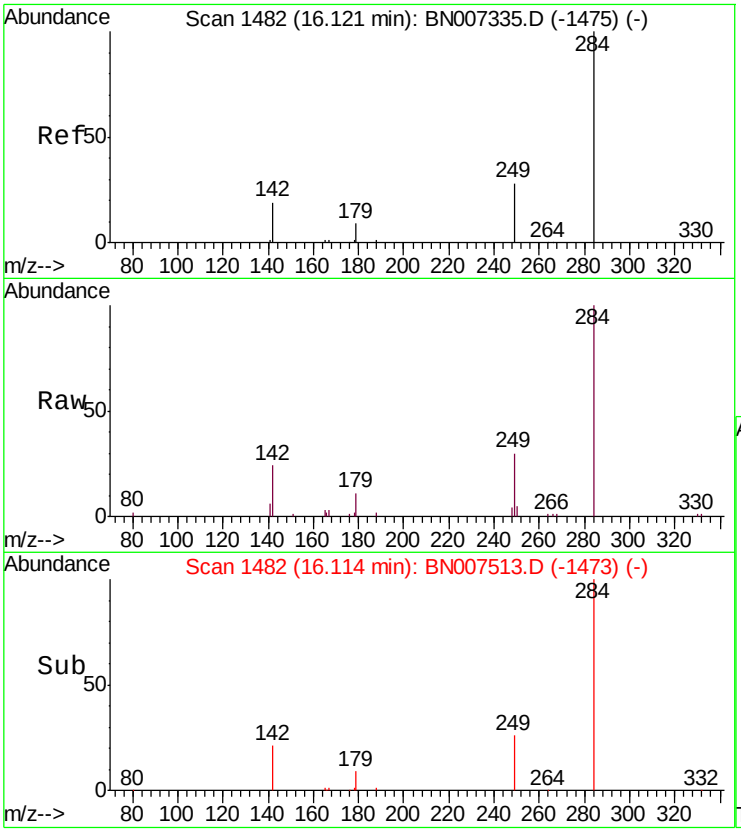


#20
4-Bromophenyl-phenylether
Concen: 0.252 ng
RT: 16.01 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Tgt Ion:248 Resp: 3704

Ion	Ratio	Lower	Upper
248	100		
250	103.1	85.0	127.6
141	56.7	51.7	77.5



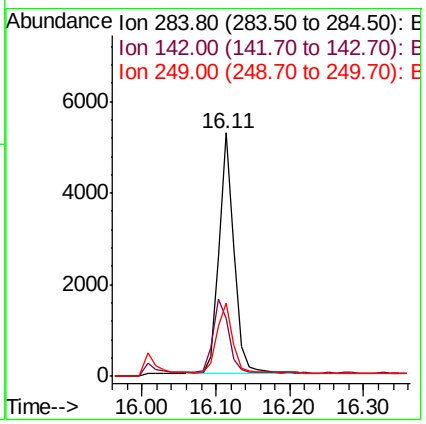


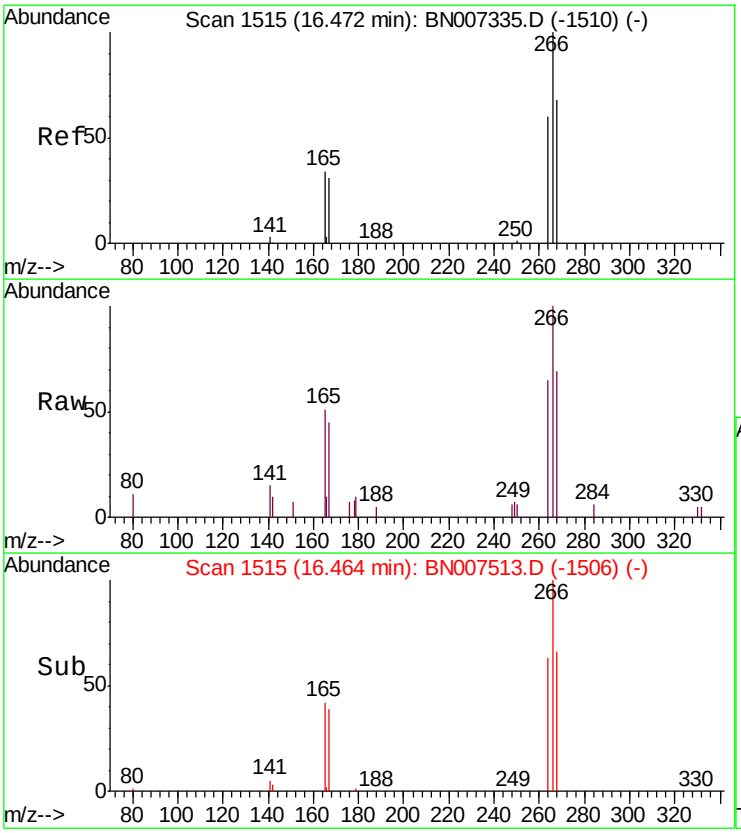
#21
Hexachlorobenzene
Concen: 0.307 ng
RT: 16.11 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Instrument :
BNA_N
ClientSampleId :
PB122289BSD

Tgt Ion:284 Resp: 7669

Ion	Ratio	Lower	Upper
284	100		
142	32.1	29.0	43.6
249	29.7	24.9	37.3

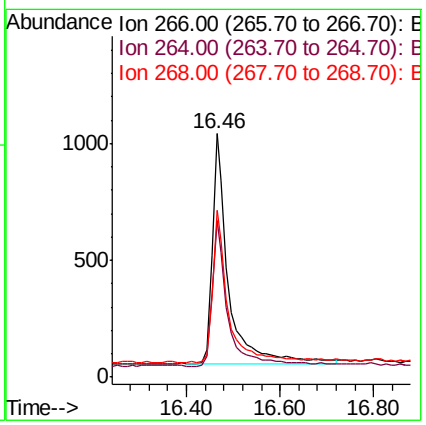


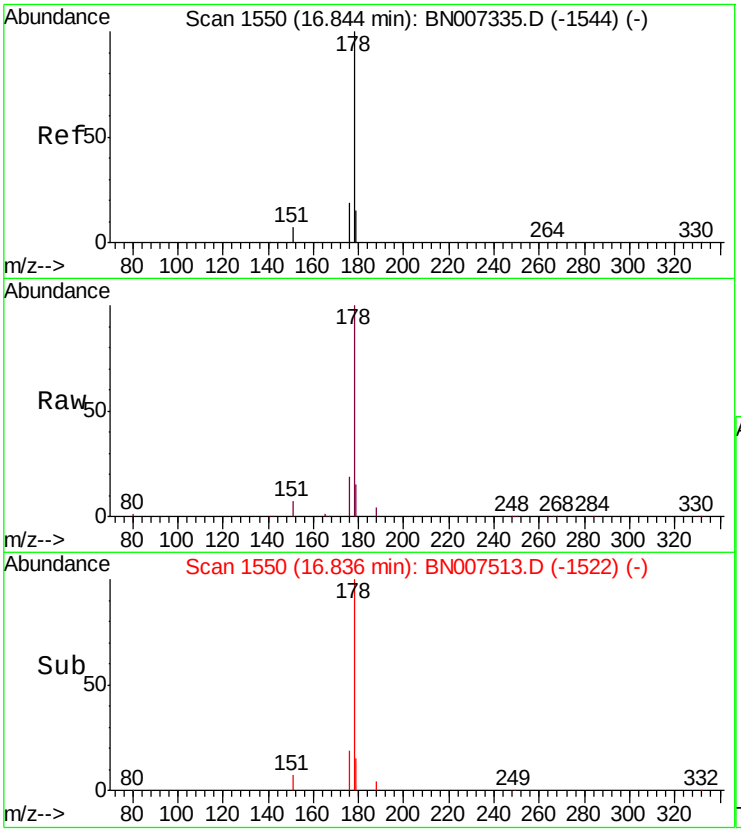


#22
Pentachlorophenol
Concen: 0.317 ng
RT: 16.46 min Scan# 1515
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Tgt Ion:266 Resp: 2459

Ion	Ratio	Lower	Upper
266	100		
264	64.6	57.8	86.8
268	68.6	99.7	149.5#



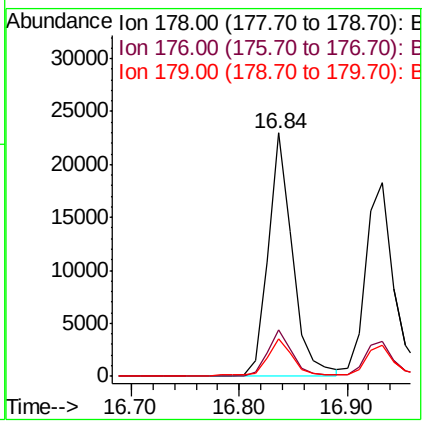


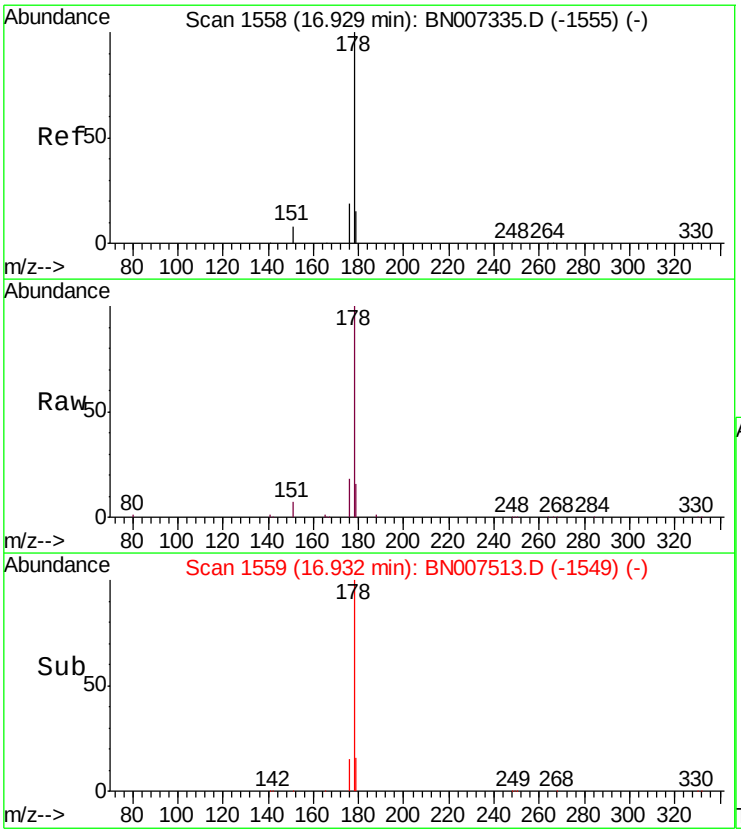
#23
Phenanthrene
Concen: 0.315 ng
RT: 16.84 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Instrument :
BNA_N
ClientSampleId :
PB122289BSD

Tgt Ion:178 Resp: 35216

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.4	12.6	19.0

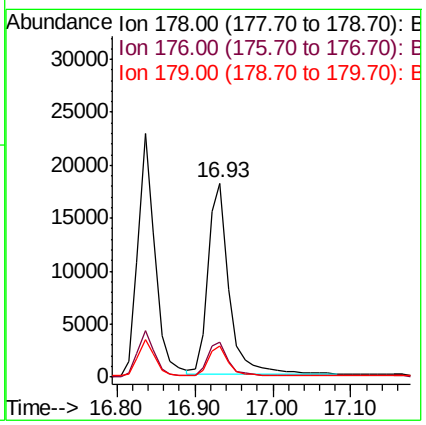


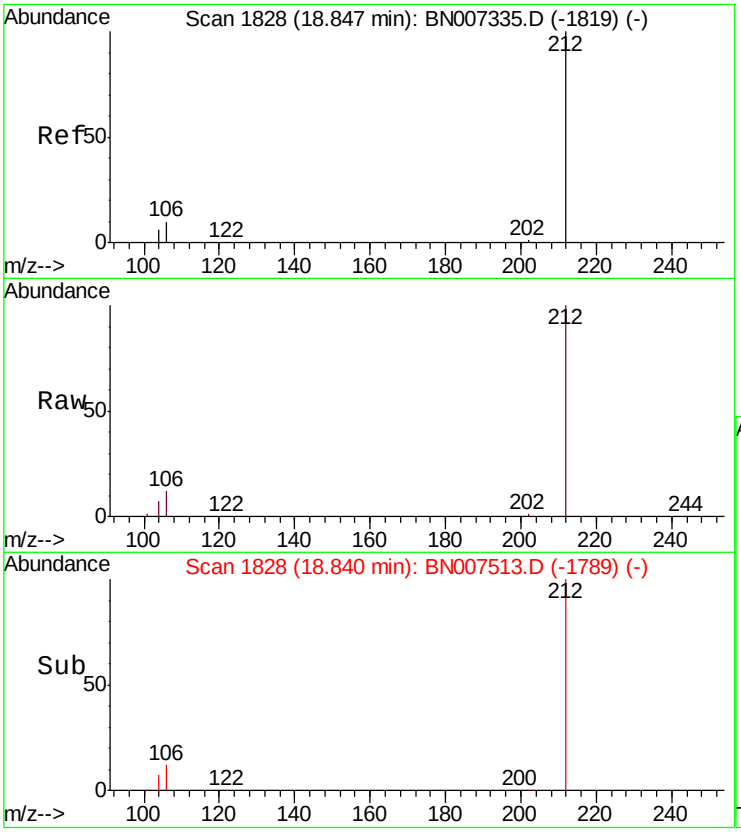


#24
Anthracene
Concen: 0.294 ng
RT: 16.93 min Scan# 1559
Delta R.T. 0.00 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Tgt Ion:178 Resp: 33136

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.9	22.3
179	15.4	12.4	18.6



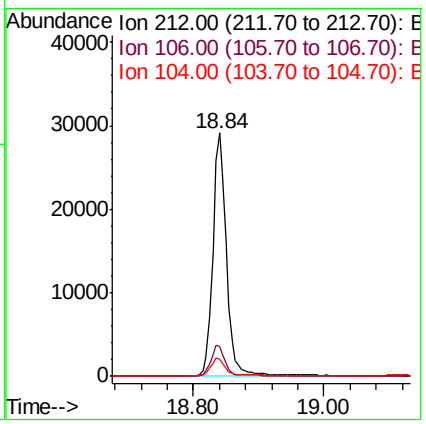


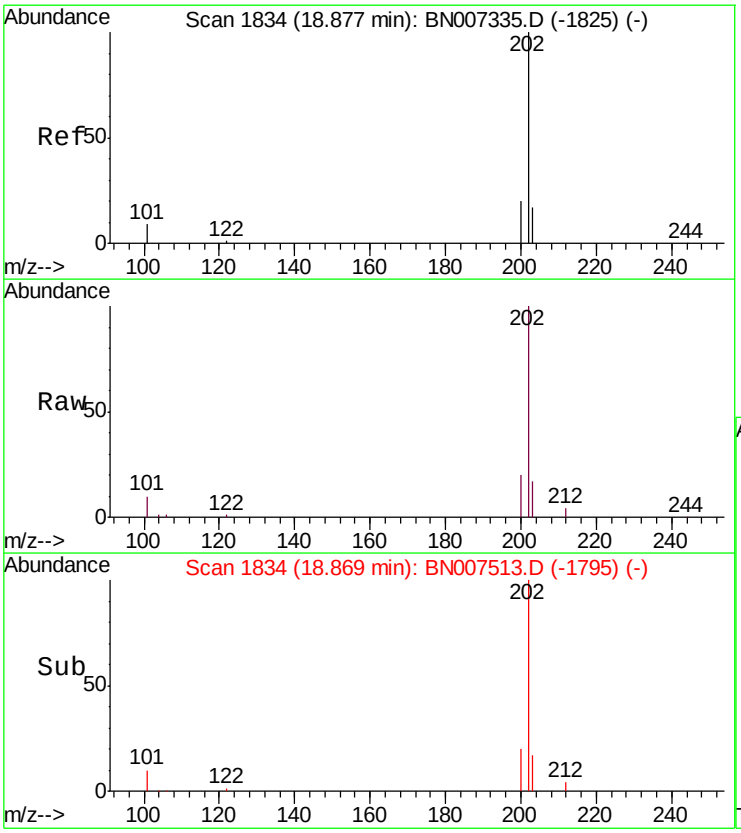
#25
Fluoranthene-d10
Concen: 0.351 ng
RT: 18.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Instrument :
BNA_N
ClientSampleId :
PB122289BSD

Tgt Ion:212 Resp: 42004

Ion	Ratio	Lower	Upper
212	100		
106	12.6	9.0	13.4
104	7.1	5.4	8.2

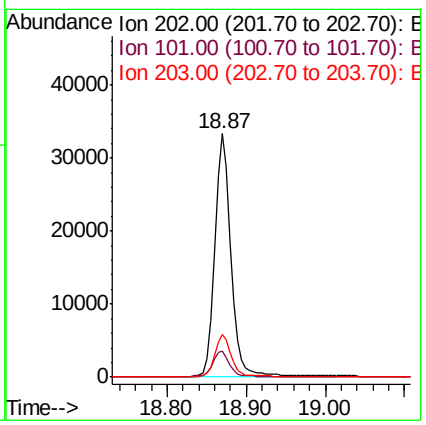


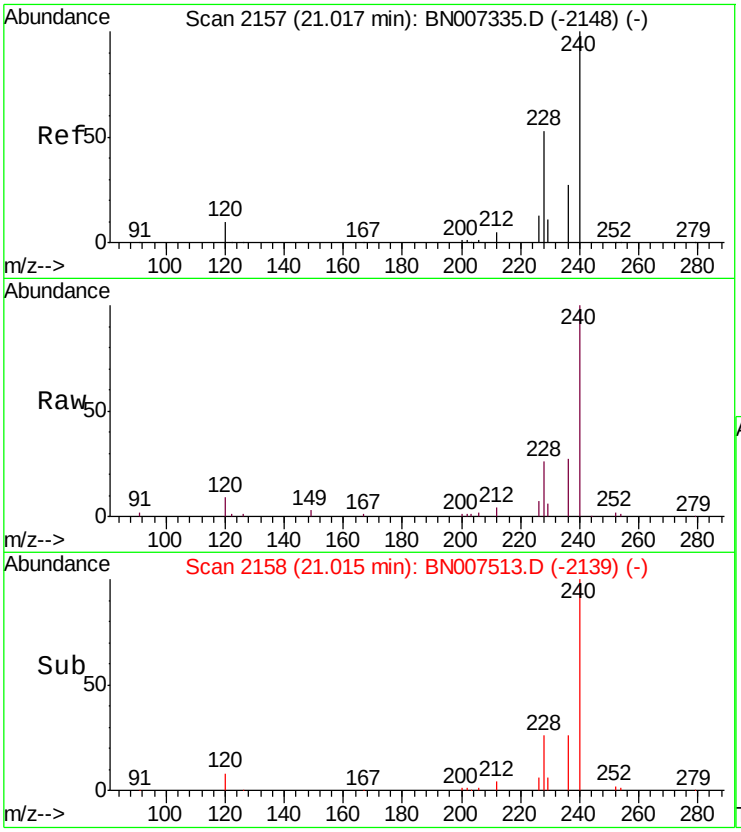


#26
Fluoranthene
Concen: 0.332 ng
RT: 18.87 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Tgt Ion:202 Resp: 47703

Ion	Ratio	Lower	Upper
202	100		
101	10.8	7.7	11.5
203	17.1	13.7	20.5



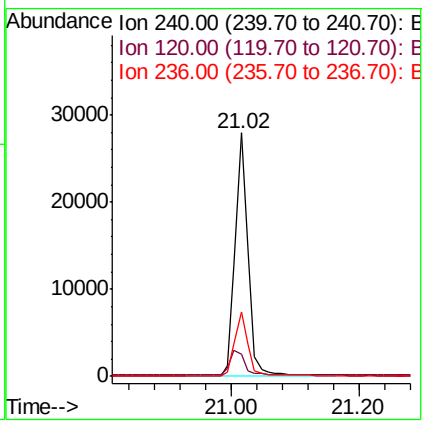


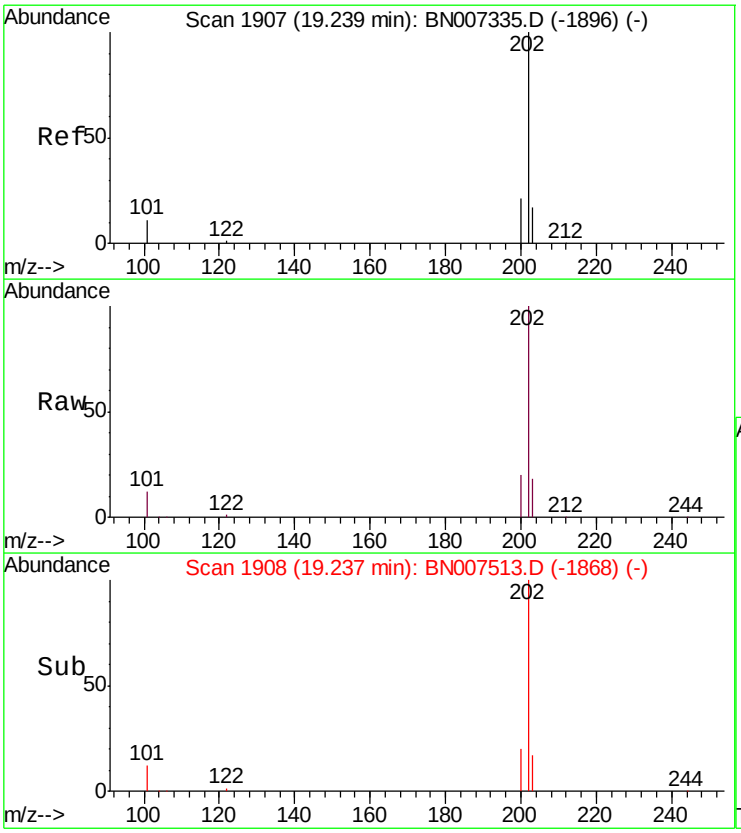
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Instrument :
BNA_N
ClientSampleId :
PB122289BSD

Tgt Ion:240 Resp: 39014

Ion	Ratio	Lower	Upper
240	100		
120	9.1	9.6	14.4#
236	26.6	22.2	33.2

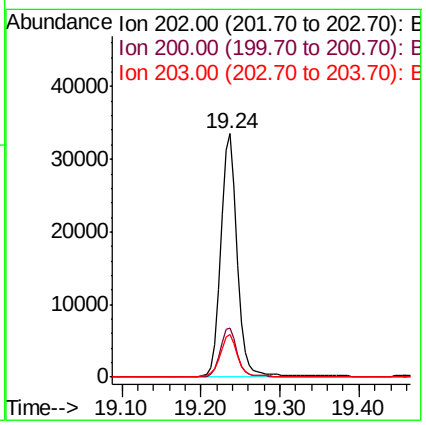


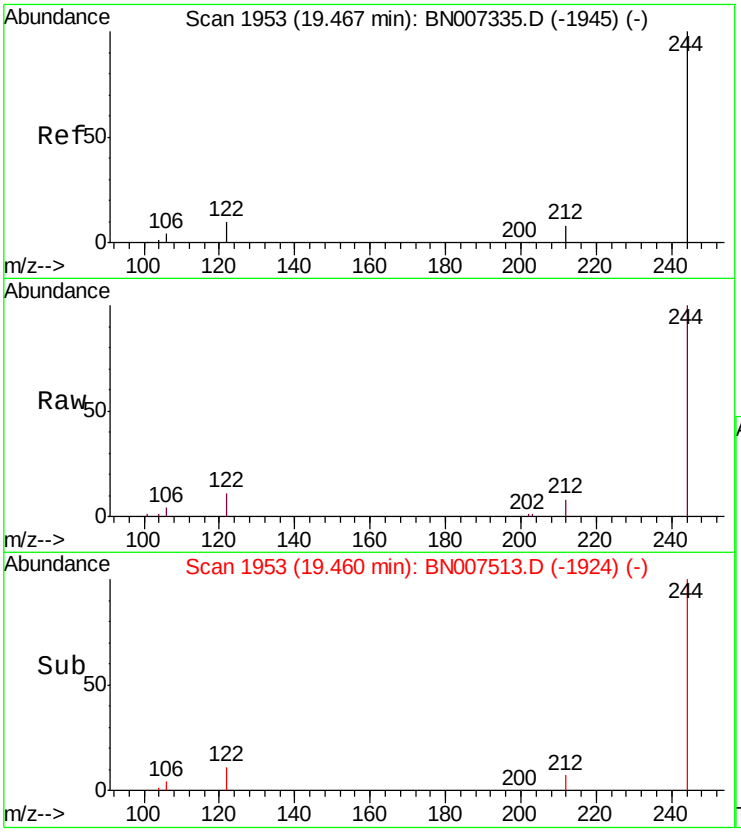


#28
Pyrene
Concen: 0.310 ng
RT: 19.24 min Scan# 1908
Delta R.T. -0.00 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Tgt Ion:202 Resp: 48679

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.6	25.0
203	18.1	14.2	21.4



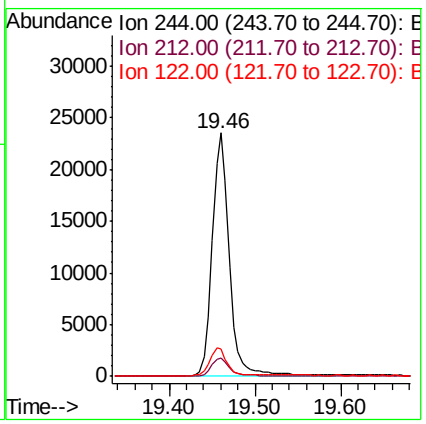


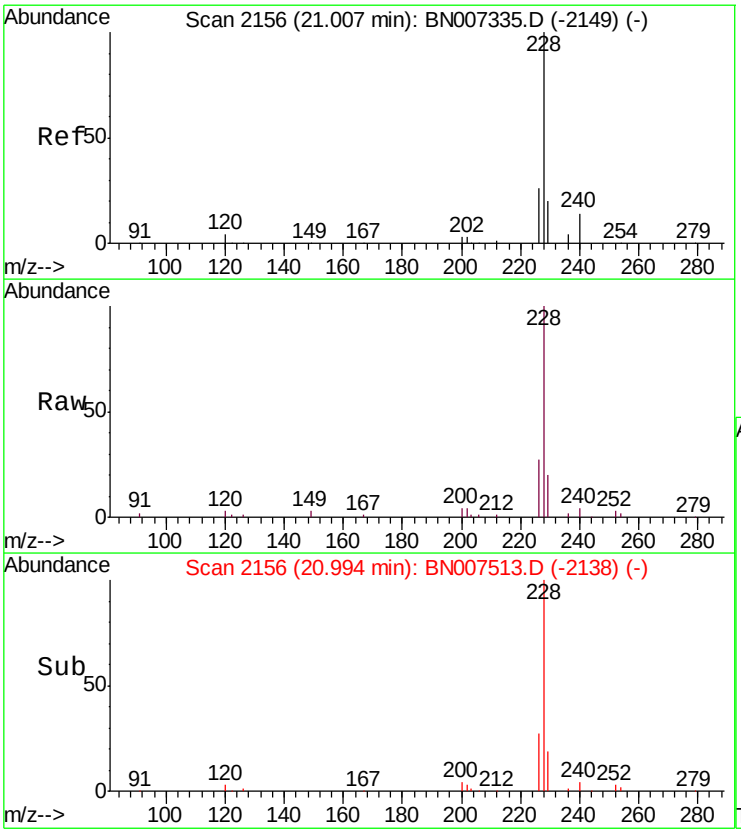
#29
Terphenyl-d14
Concen: 0.316 ng
RT: 19.46 min Scan# 1953
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Instrument :
BNA_N
ClientSampleId :
PB122289BSD

Tgt Ion:244 Resp: 32237

Ion	Ratio	Lower	Upper
244	100		
212	7.8	7.0	10.6
122	11.2	9.6	14.4

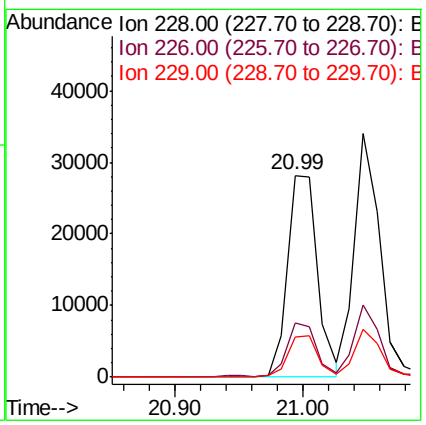


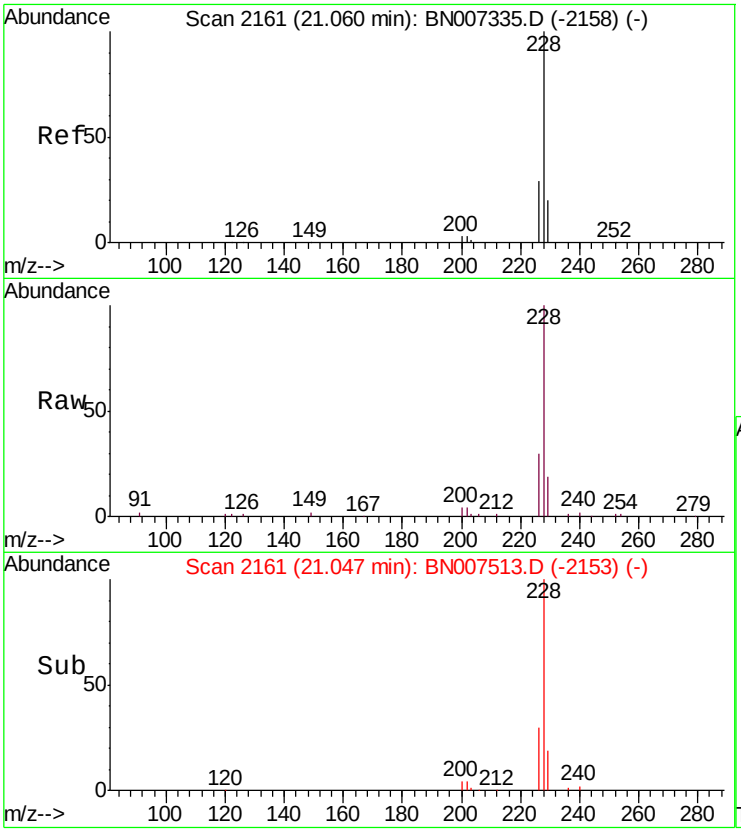


#30
Benzo(a)anthracene
Concen: 0.296 ng
RT: 20.99 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Tgt Ion:228 Resp: 45424

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.3	31.9
229	19.6	16.1	24.1



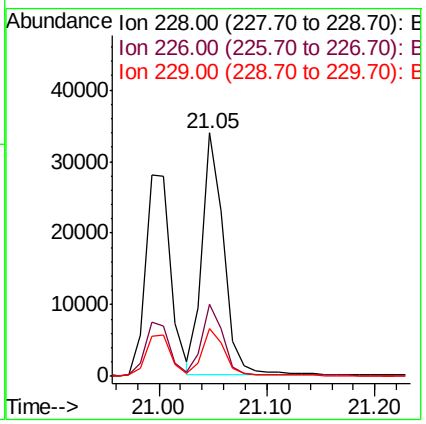


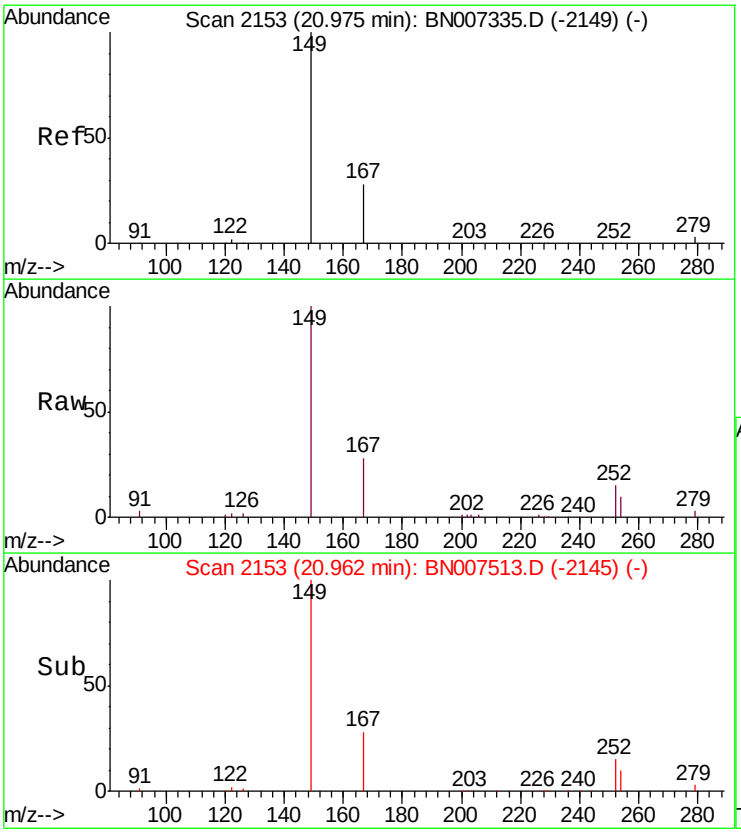
#31
Chrysene
Concen: 0.314 ng
RT: 21.05 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Instrument :
BNA_N
ClientSampleId :
PB122289BSD

Tgt Ion:228 Resp: 46446

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.5	35.3
229	19.4	16.6	24.8

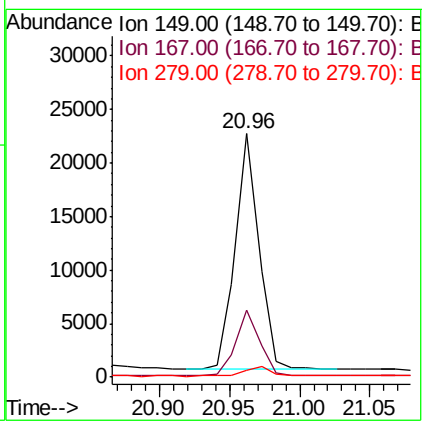


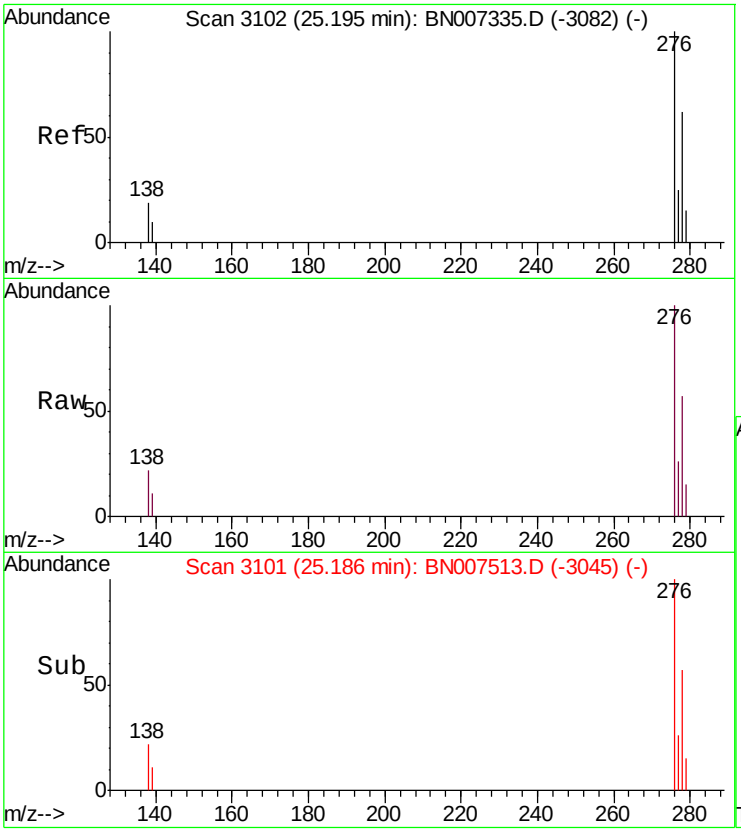


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.243 ng
RT: 20.96 min Scan# 2153
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Tgt Ion:149 Resp: 25958

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.8	34.2
279	4.6	3.5	5.3



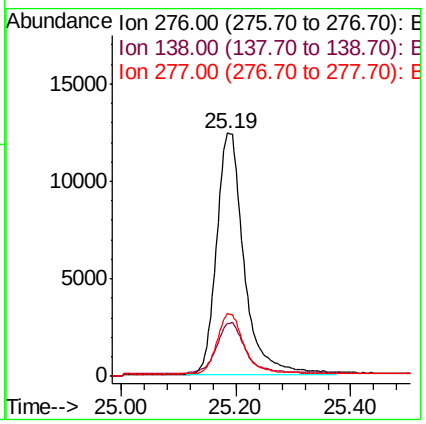


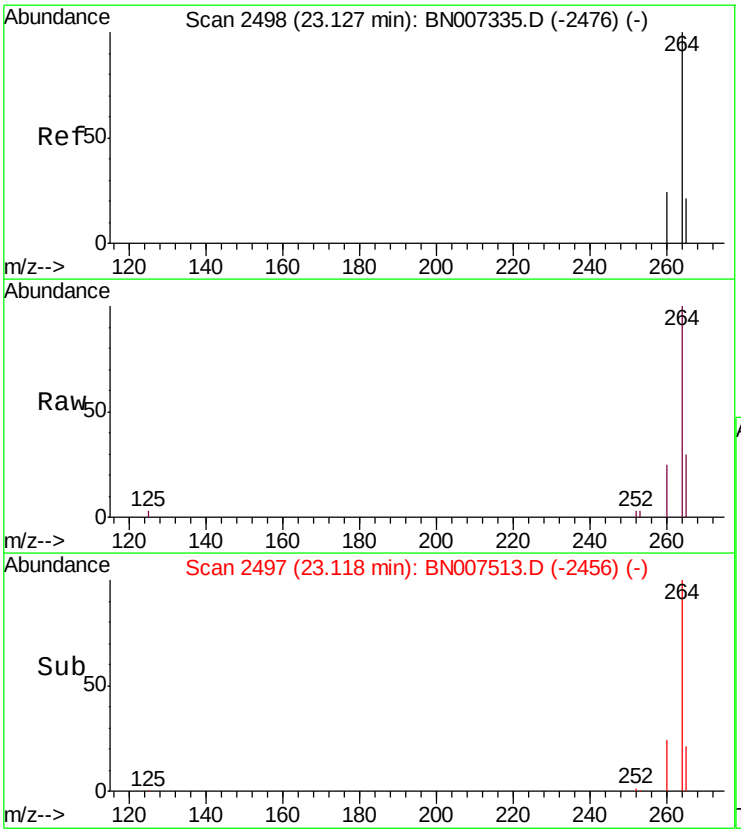
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.231 ng
RT: 25.19 min Scan# 3101
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Instrument :
BNA_N
ClientSampleId :
PB122289BSD

Tgt Ion:276 Resp: 41156

Ion	Ratio	Lower	Upper
276	100		
138	21.0	15.1	22.7
277	24.0	19.7	29.5

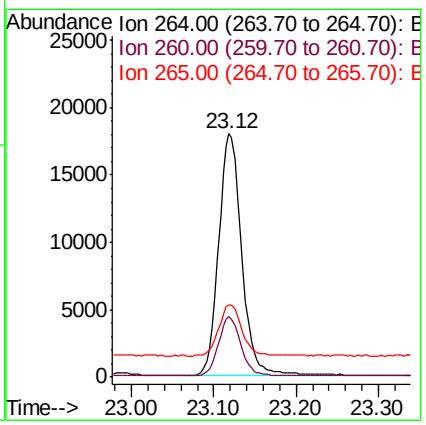


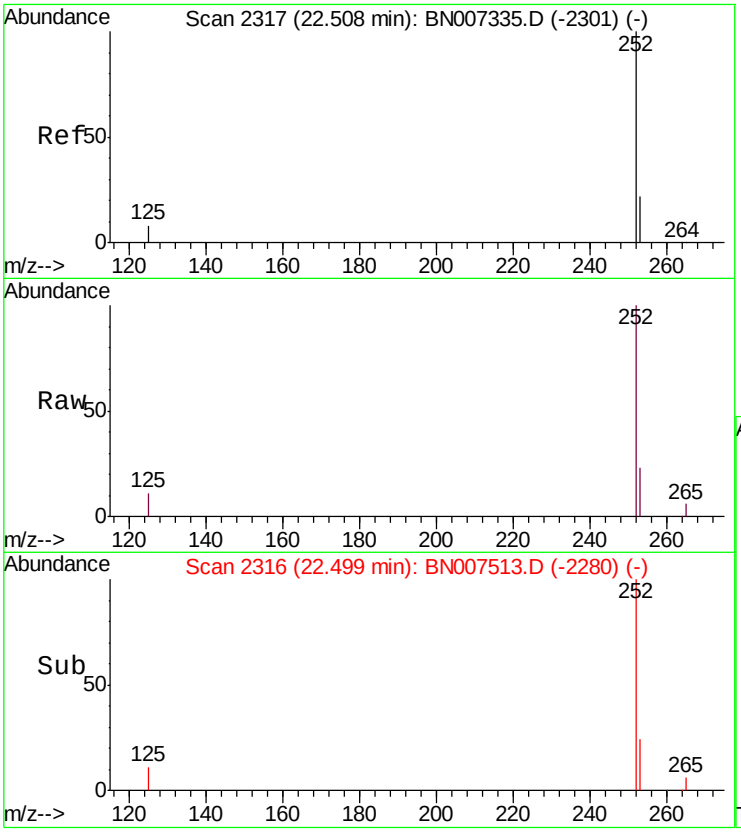


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.12 min Scan# 2497
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Tgt Ion:264 Resp: 34890

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.7	29.5
265	29.7	29.9	44.9#



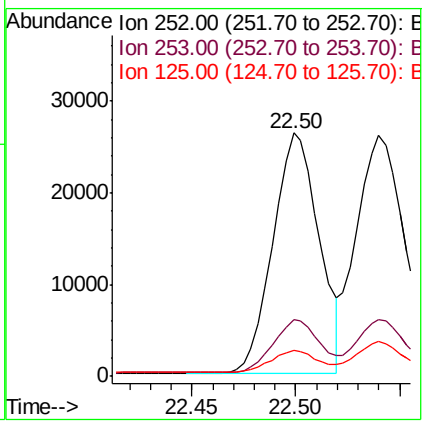


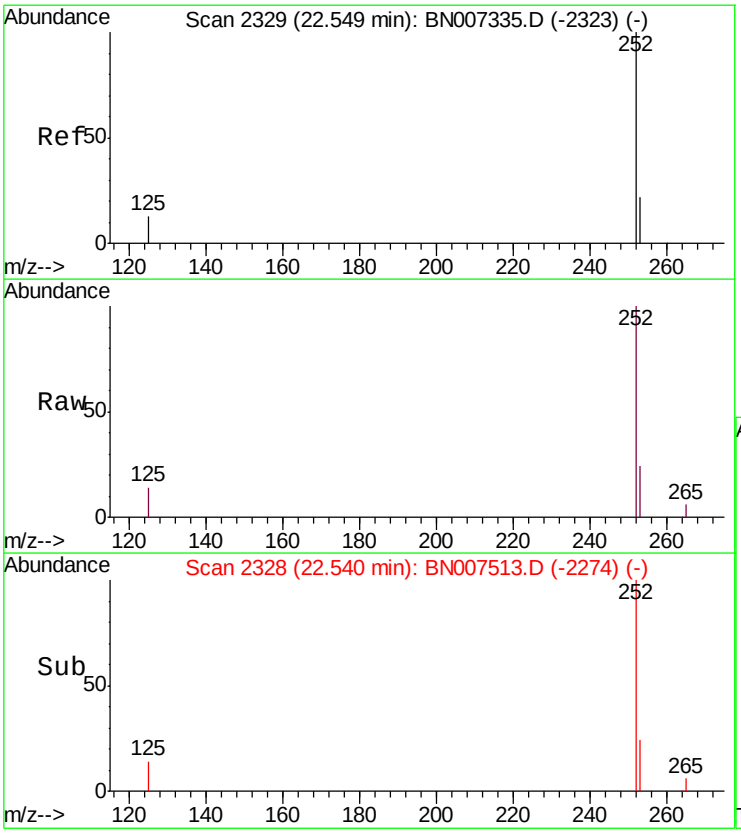
#35
Benzo(b)fluoranthene
Concen: 0.321 ng
RT: 22.50 min Scan# 2316
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Instrument :
BNA_N
ClientSampleId :
PB122289BSD

Tgt Ion:252 Resp: 40637

Ion	Ratio	Lower	Upper
252	100		
253	23.3	19.2	28.8
125	10.8	10.6	16.0

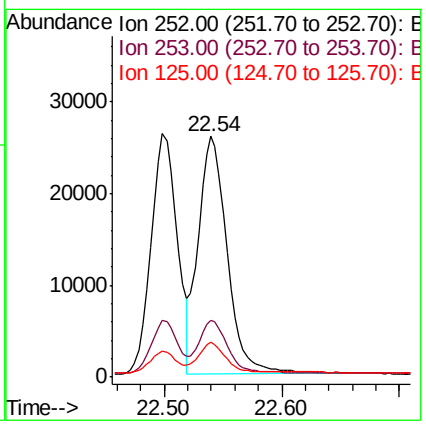


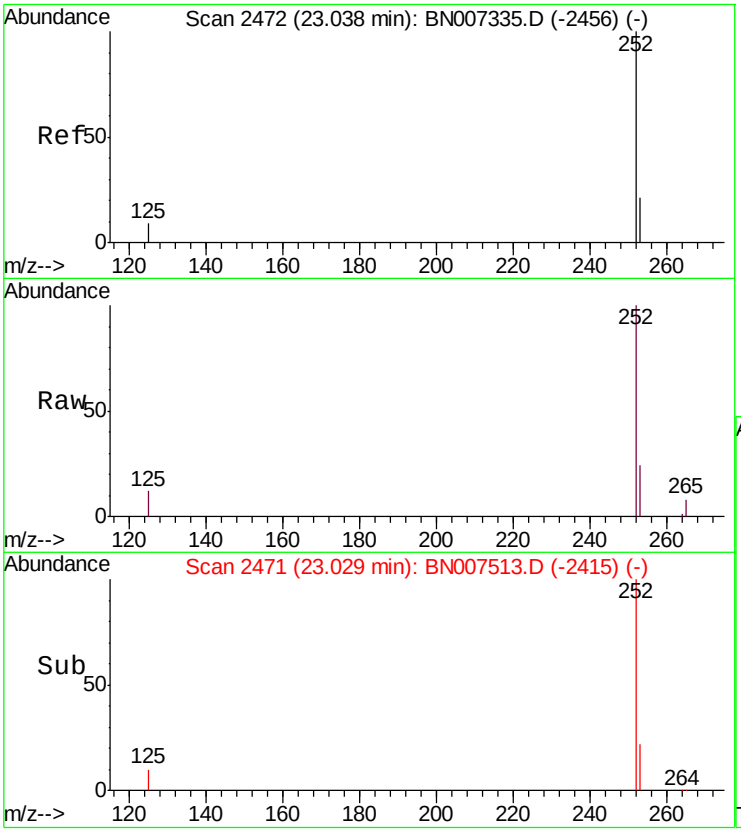


#36
Benzo(k)fluoranthene
Concen: 0.354 ng
RT: 22.54 min Scan# 2328
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Tgt Ion:252 Resp: 44213

Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.4	29.2
125	14.3	13.1	19.7



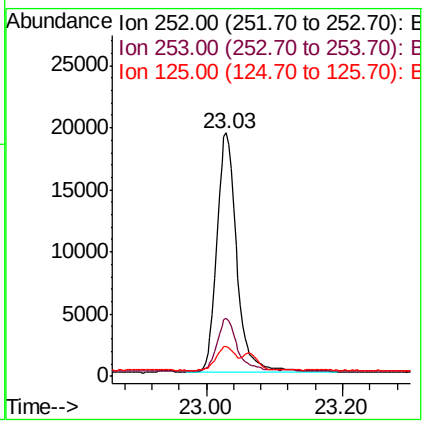


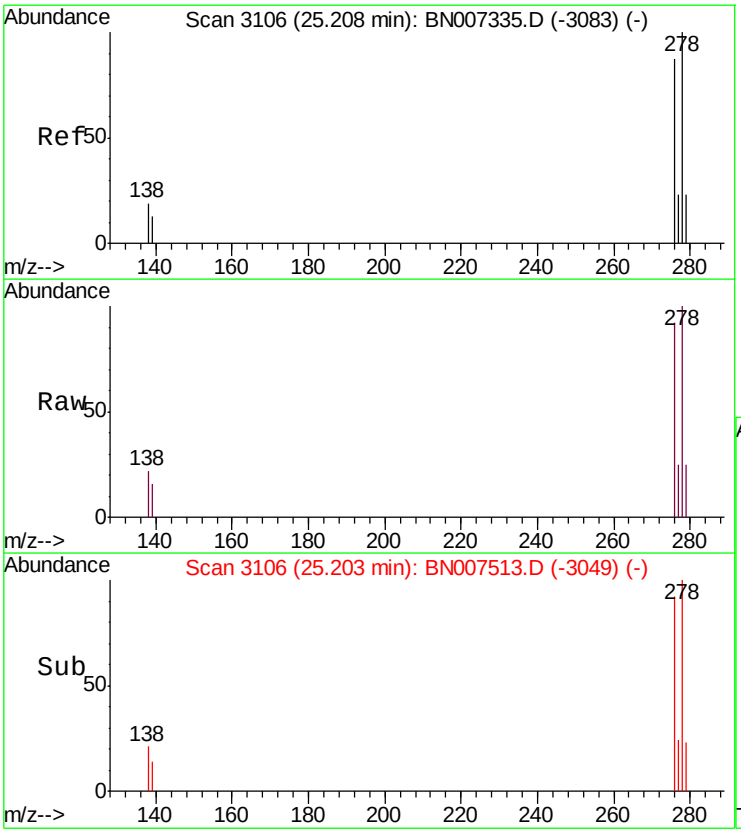
#37
Benzo(a)pyrene
Concen: 0.325 ng
RT: 23.03 min Scan# 2471
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Instrument :
BNA_N
ClientSampleId :
PB122289BSD

Tgt Ion:252 Resp: 39151

Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.5	29.3
125	12.3	12.1	18.1

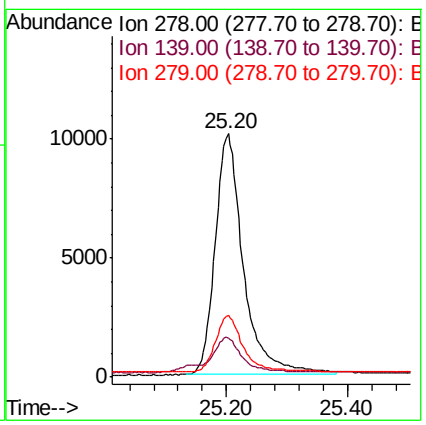


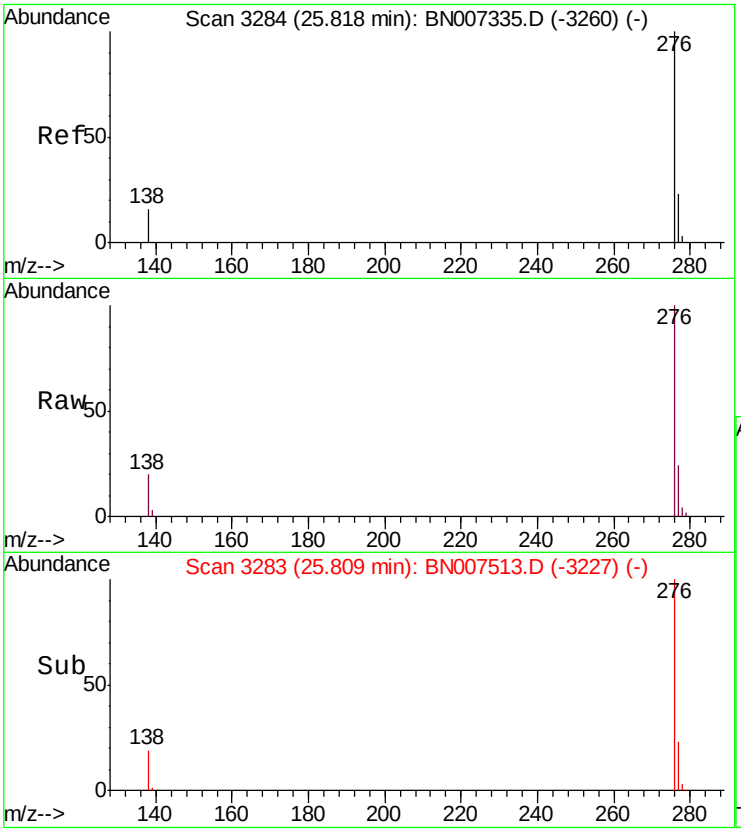


#38
Dibenzo(a,h)anthracene
Concen: 0.274 ng
RT: 25.20 min Scan# 3106
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Tgt Ion:278 Resp: 32937

Ion	Ratio	Lower	Upper
278	100		
139	15.7	13.7	20.5
279	25.3	20.2	30.4





#39
Benzo(g,h,i)perylene
Concen: 0.289 ng
RT: 25.81 min Scan# 3283
Delta R.T. -0.01 min
Lab File: BN007513.D
Acq: 29 Aug 2019 21:42

Instrument :
BNA_N
ClientSampleId :
PB122289BSD

Tgt Ion:276 Resp: 34531

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.6	29.4
138	20.4	16.3	24.5