Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081519\
Data File : BN007209.D
Acq On : 15 Aug 2019 22:46
Operator : HP/JU
Sample : K4173-14 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId :

Quant Time: Aug 16 07:07:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	5520	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	20987	0.40	ng		0.00
12) Acenaphthene-d10	14.07	164	11849	0.40	ng		-0.01
18) Phenanthrene-d10	16.82	188	28254	0.40	ng		0.00
26) Chrysene-d12	21.03	240	29177	0.40	ng		-0.02
32) Perylene-d12	23.15	264	32218	0.40	ng		-0.02
System Monitoring Compounds							
3) 2-Fluorophenol	5.05	112	918	0.07	ng		0.00
4) Phenol-d6	6.61	99	1191	0.07	ng		0.00
7) Nitrobenzene-d5	8.55	82	990	0.06	ng		-0.01
10) 2-Methylnaphthalene-d10	11.79	152	2180	0.06	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	363	0.06	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	532	0.03	ng		0.00
24) Fluoranthene-d10	18.86	212	6052	0.06	ng		0.00
28) Terphenyl-d14	19.48	244	4812	0.06	ng		-0.01
Target Compounds							Qvalue
5) bis(2-Chloroethyl)ether	6.88	93	344	0.024	ng	#	37
8) Naphthalene	10.23	128	3544	0.060	ng	#	90
11) 2-Methylnaphthalene	11.86	142	3115	0.075	ng	#	92
15) Acenaphthylene	13.79	152	46112	0.745	ng		100
16) Acenaphthene	14.13	154	4113	0.104	ng		94
17) Fluorene	15.12	166	8993	0.151	ng	#	78
21) Pentachlorophenol	16.48	266	353	0.056	ng	#	87
22) Phenanthrene	16.86	178	160063	1.890	ng		100
23) Anthracene	16.95	178	42227	0.546	ng		98
25) Fluoranthene	18.89	202	398487	3.679	ng		99
27) Pyrene	19.26	202	421173	4.116	ng	#	96
29) Benzo(a)anthracene	21.08	228	233697	2.190	ng		95
30) Chrysene	21.08	228	233218	2.250	ng		97
31) Indeno(1,2,3-cd)pyrene	25.23	276	162022	1.418	ng		98
33) Benzo(b)fluoranthene	22.53	252	324805	2.940	ng		99
34) Benzo(k)fluoranthene	22.53	252	324805	2.977	ng		99
35) Benzo(a)pyrene	23.06	252	210228	2.099	ng		100
36) Dibenzo(a,h)anthracene	25.24	278	39092	0.391	ng	#	86
37) Benzo(g,h,i)perylene	25.86	276	171535	1.669	ng		99

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

Quantitation Report (Not Reviewed)

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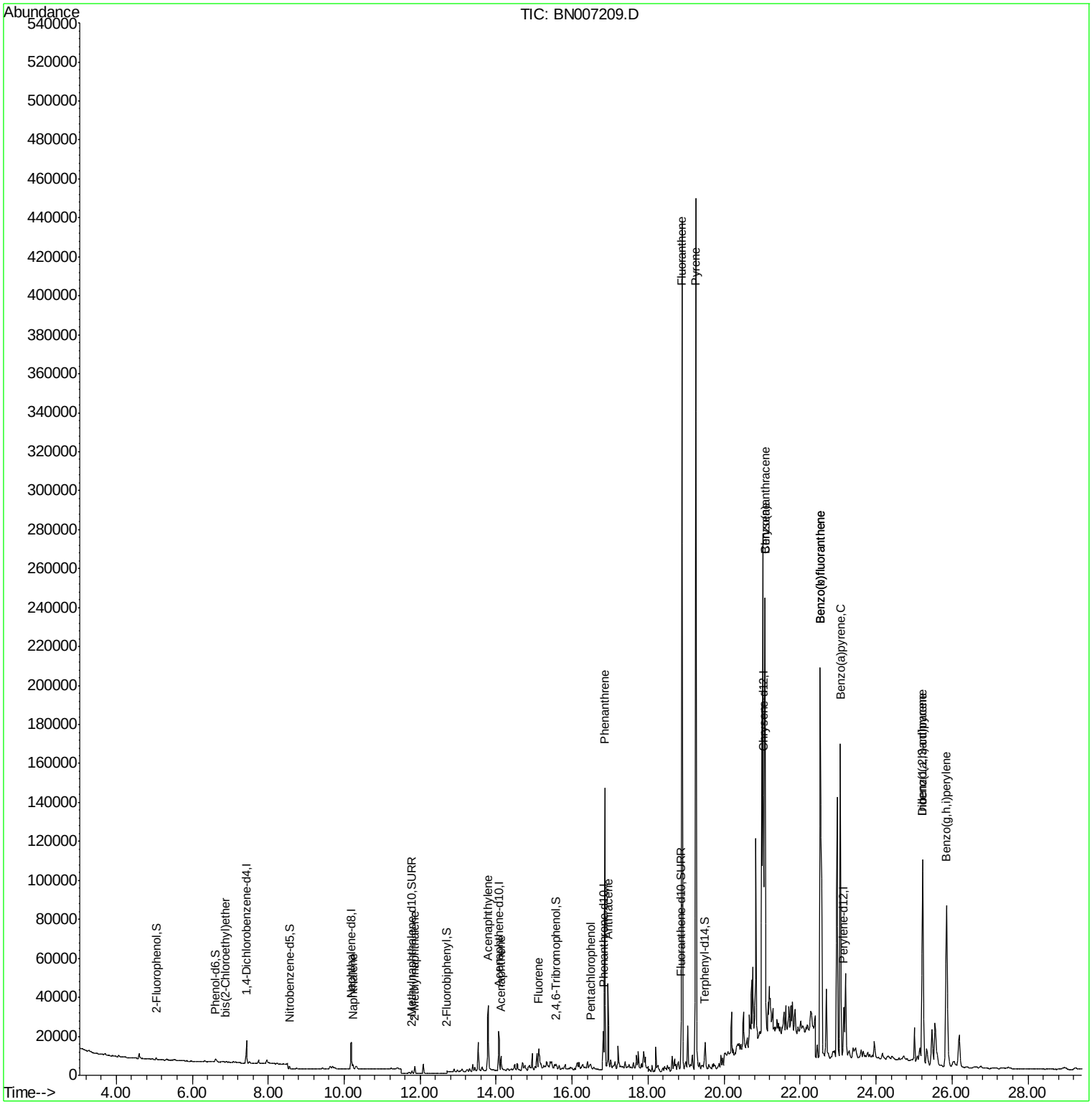
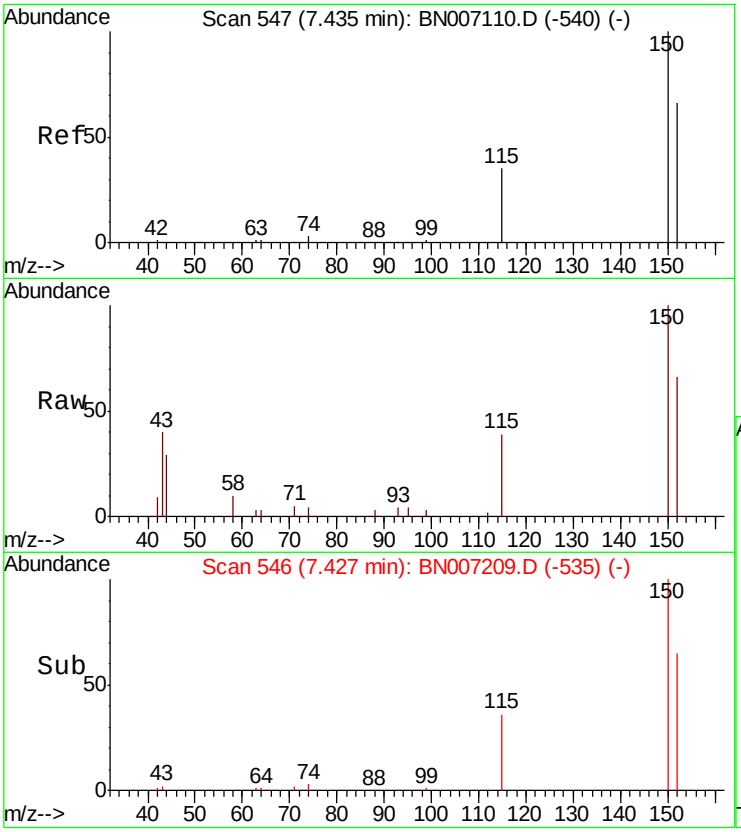
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration



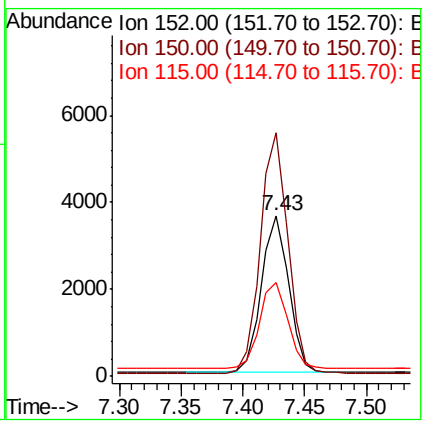


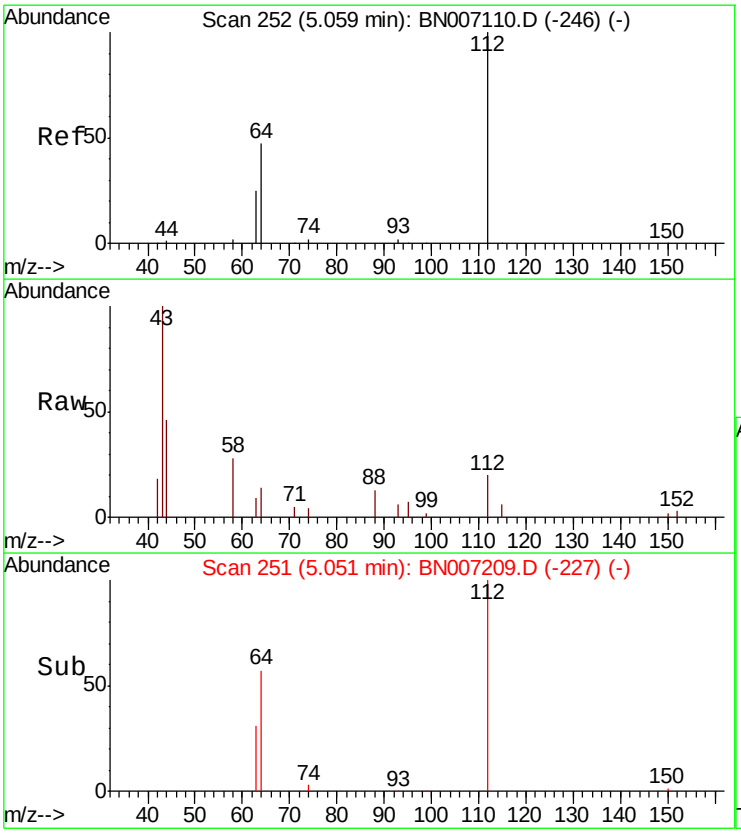
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 5520

Ion	Ratio	Lower	Upper
152	100		
150	151.3	121.7	182.5
115	58.6	46.2	69.4

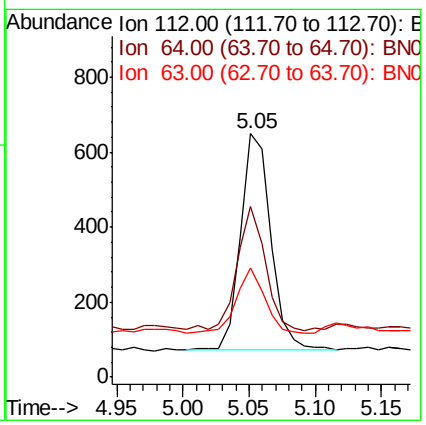


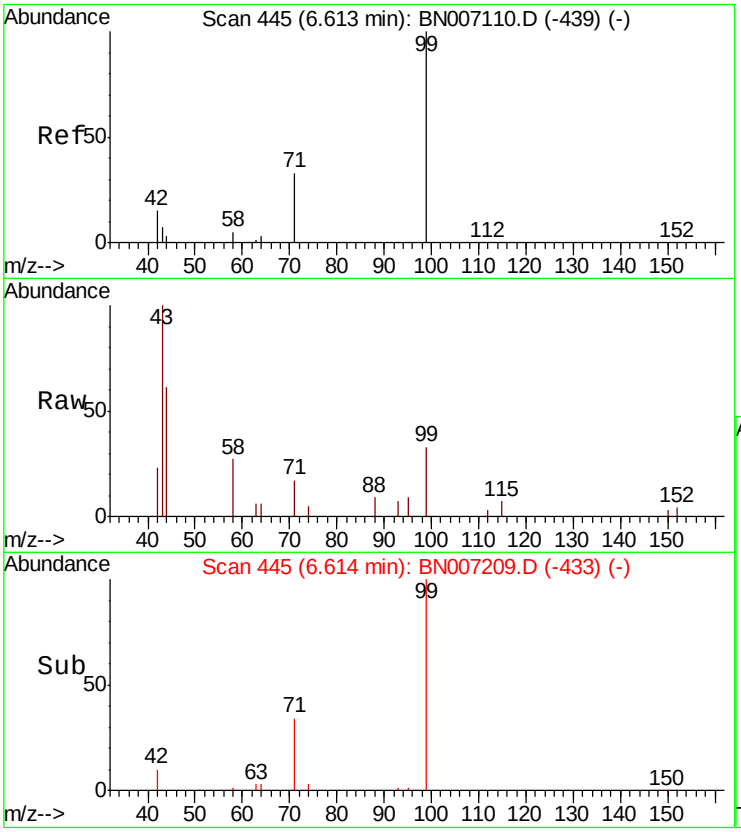


#3
2-Fluorophenol
Concen: 0.069 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Tgt Ion:112 Resp: 918

Ion	Ratio	Lower	Upper
112	100		
64	52.3	42.6	63.8
63	28.4	22.2	33.2



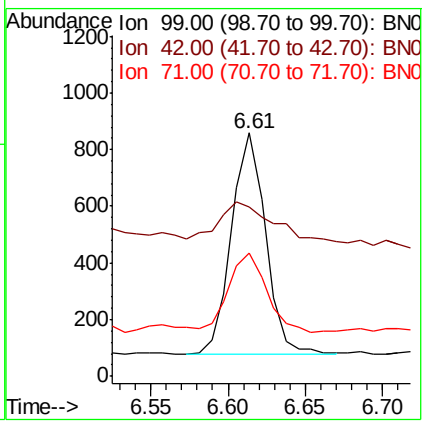


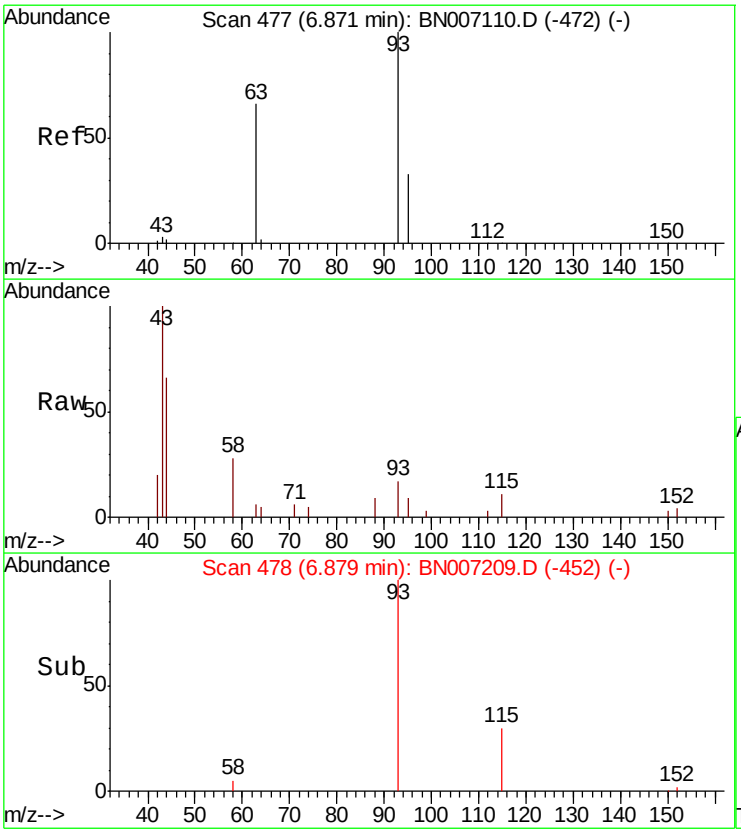
#4
Phenol-d6
Concen: 0.072 ng
RT: 6.61 min Scan# 445
Delta R.T. -0.00 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 99 Resp: 1191

Ion	Ratio	Lower	Upper
99	100		
42	41.4	15.8	23.6#
71	41.9	27.0	40.4#

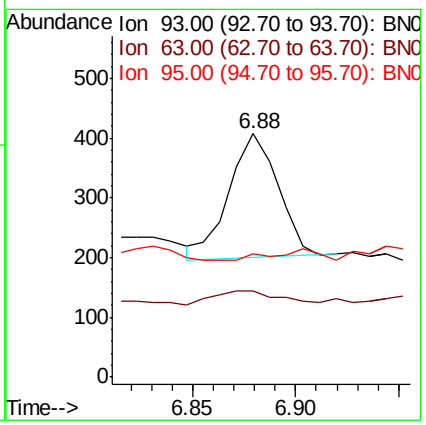


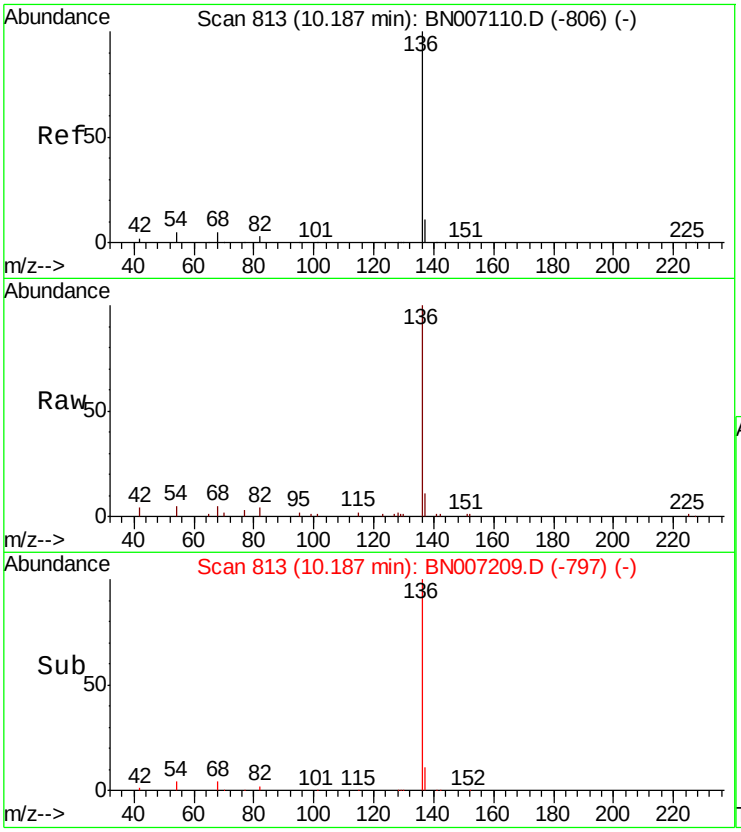


#5
bis(2-Chloroethyl)ether
Concen: 0.024 ng
RT: 6.88 min Scan# 478
Delta R.T. 0.01 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Tgt Ion: 93 Resp: 344

Ion	Ratio	Lower	Upper
93	100		
63	16.6	55.6	83.4#
95	0.0	26.7	40.1#



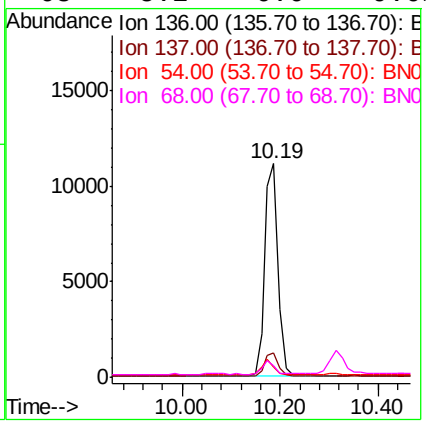


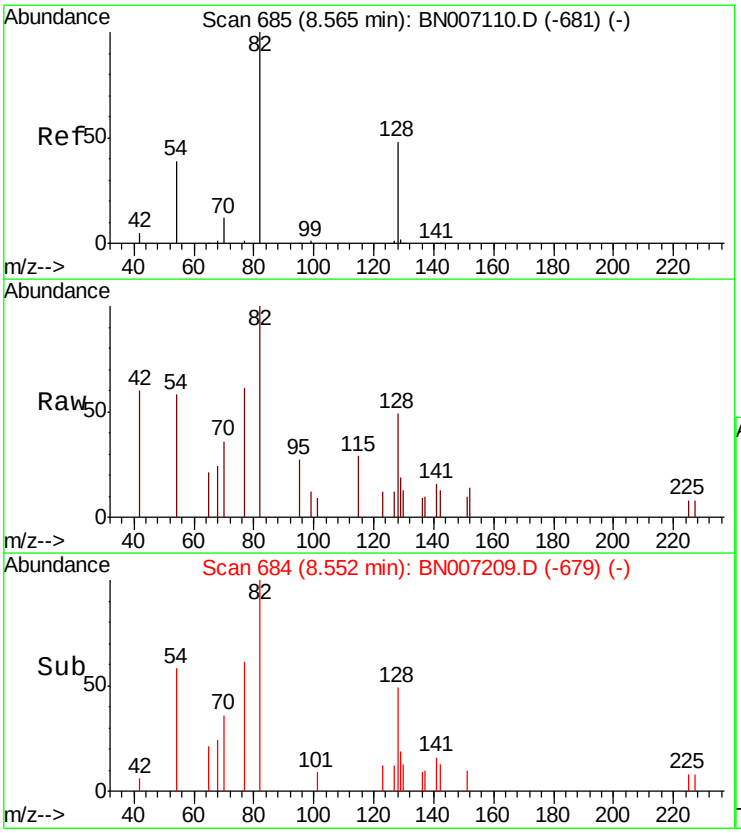
#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:136 Resp: 20987

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.4	14.0
54	5.0	6.6	9.8#
68	5.2	6.0	9.0#

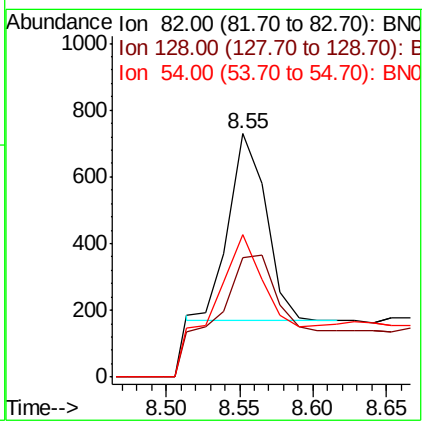


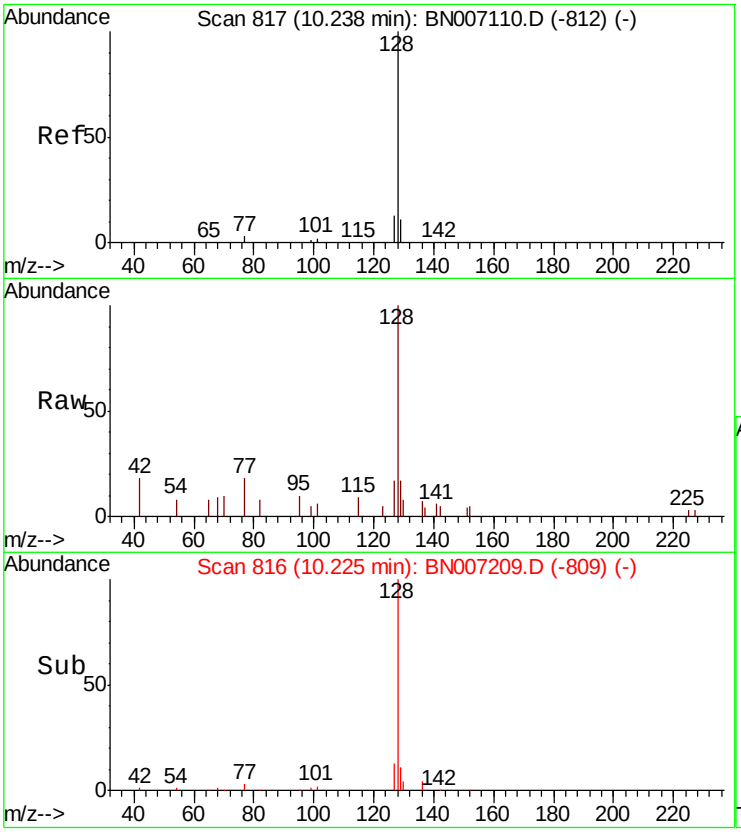


#7
Nitrobenzene-d5
Concen: 0.059 ng
RT: 8.55 min Scan# 684
Delta R.T. -0.01 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Tgt Ion: 82 Resp: 990

Ion	Ratio	Lower	Upper
82	100		
128	49.1	34.6	51.8
54	58.4	36.2	54.4#



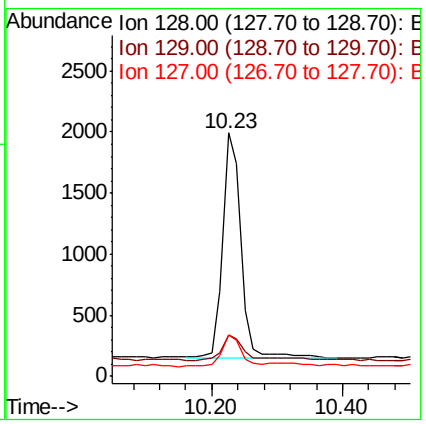


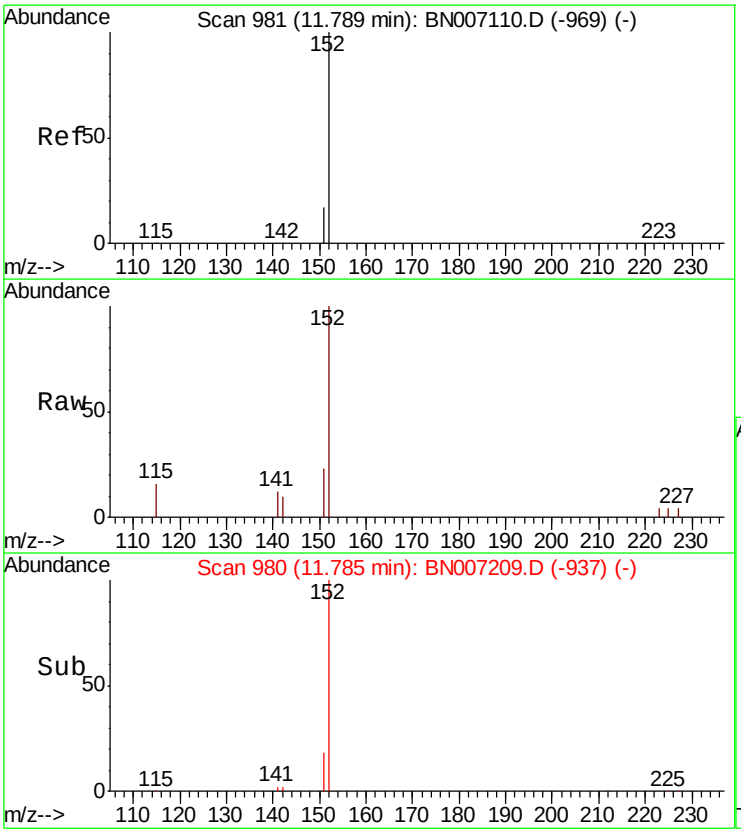
#8
Naphthalene
Concen: 0.060 ng
RT: 10.23 min Scan# 816
Delta R.T. -0.01 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:128 Resp: 3544

Ion	Ratio	Lower	Upper
128	100		
129	16.9	9.4	14.2#
127	16.8	11.0	16.6#

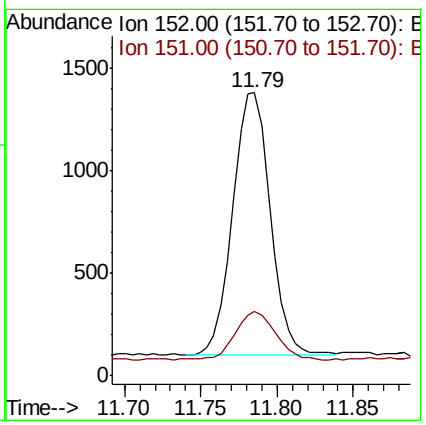


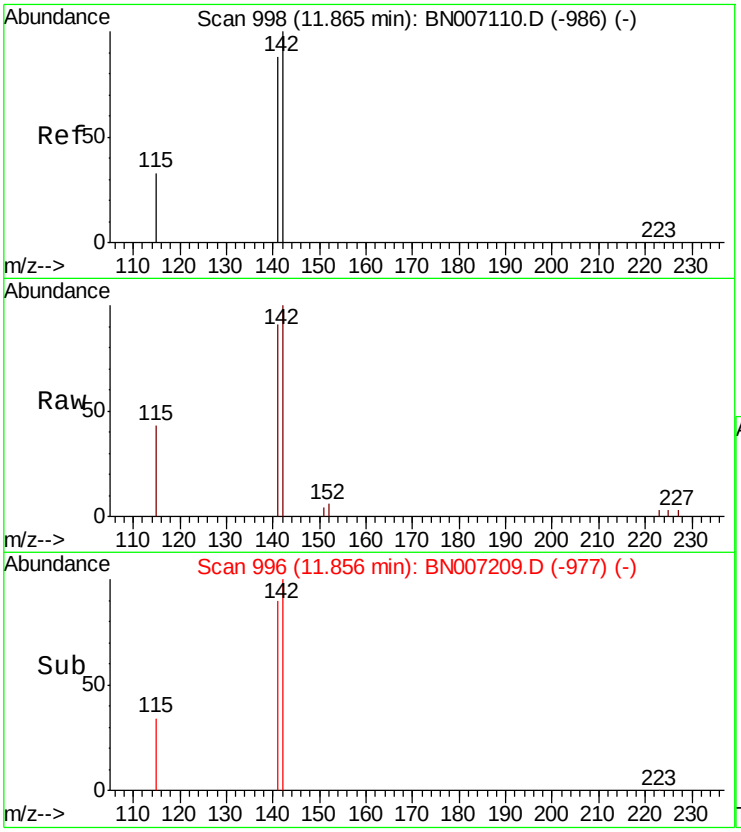


#10
2-Methylnaphthalene-d10
Concen: 0.056 ng
RT: 11.79 min Scan# 980
Delta R.T. -0.01 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Tgt Ion:152 Resp: 2180

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.5	23.3



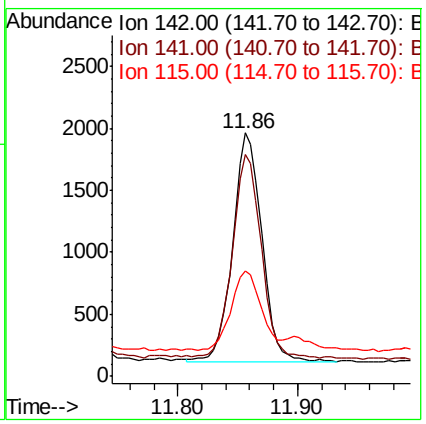


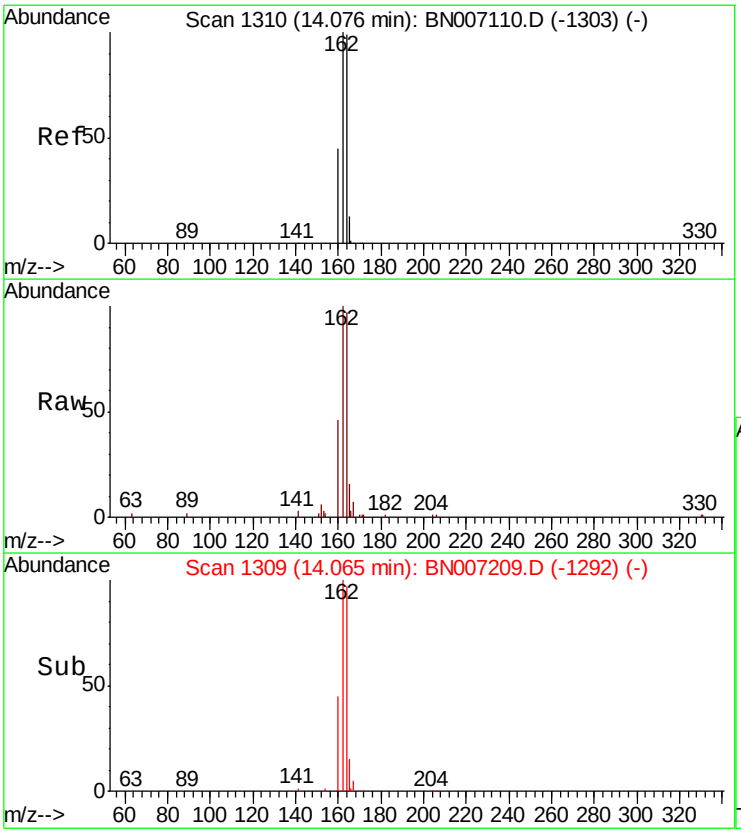
#11
2-Methylnaphthalene
Concen: 0.075 ng
RT: 11.86 min Scan# 996
Delta R.T. -0.01 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:142 Resp: 3115

Ion	Ratio	Lower	Upper
142	100		
141	91.2	69.0	103.6
115	43.3	27.1	40.7#

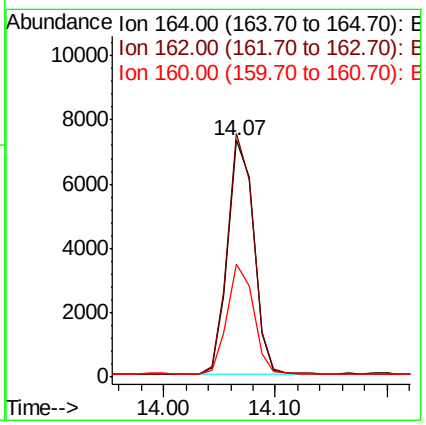


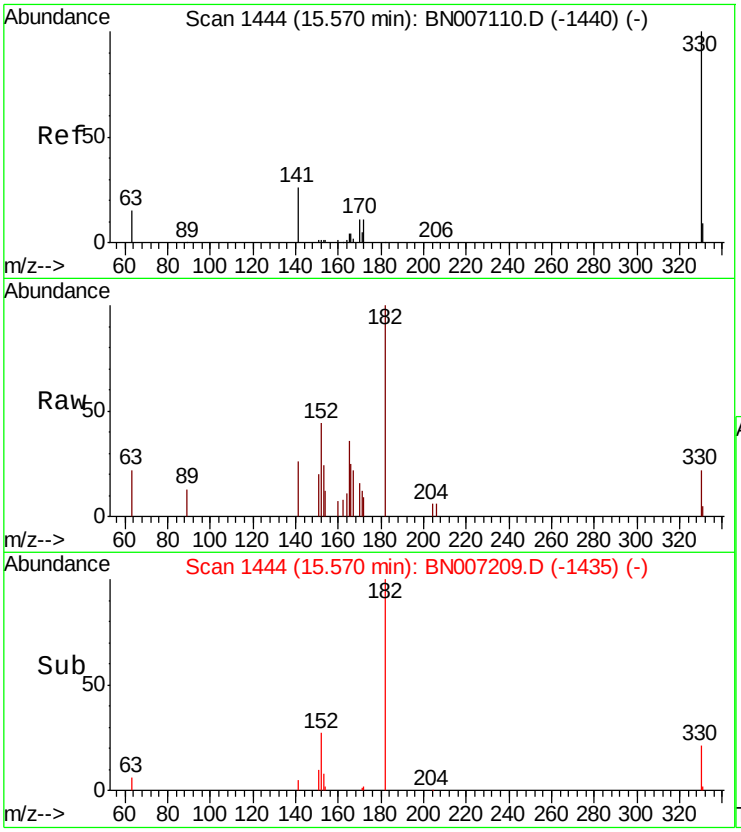


#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Tgt Ion:164 Resp: 11849

Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.2	123.4
160	47.6	38.3	57.5



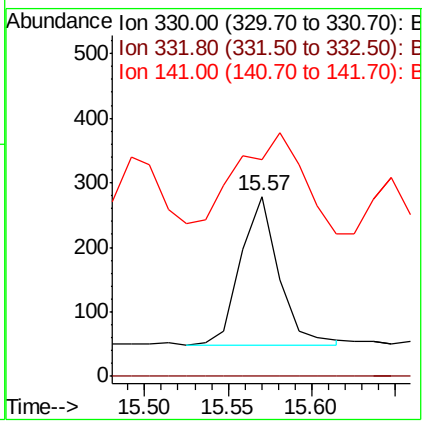


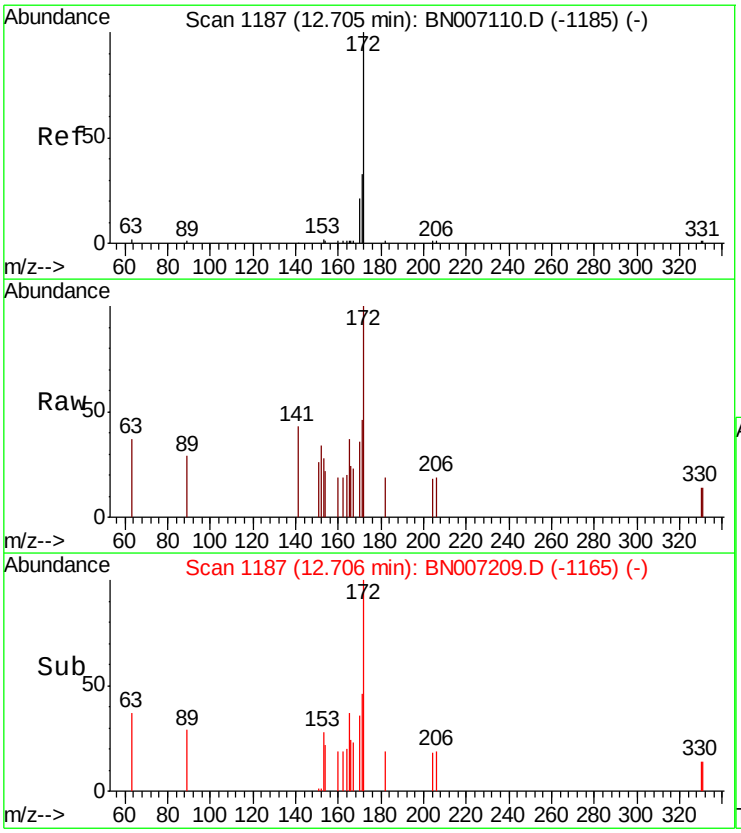
#13
2,4,6-Tribromophenol
Concen: 0.057 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:330 Resp: 363

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	118.7	33.6	50.4#

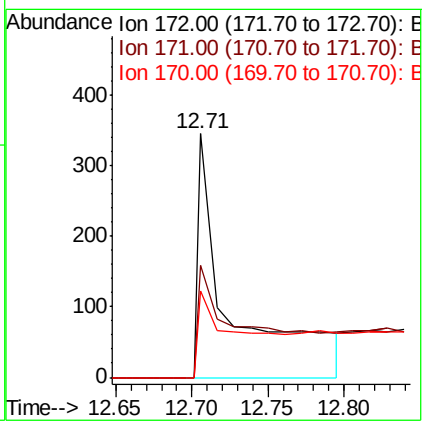


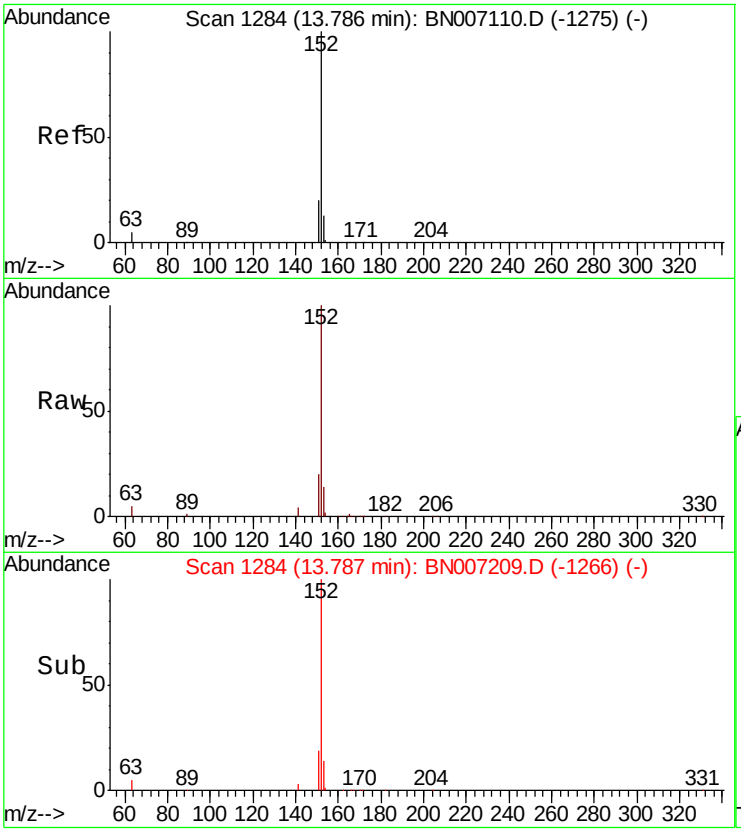


#14
2-Fluorobiphenyl
Concen: 0.031 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Tgt Ion:172 Resp: 532

Ion	Ratio	Lower	Upper
172	100		
171	46.1	26.3	39.5#
170	35.7	17.0	25.4#



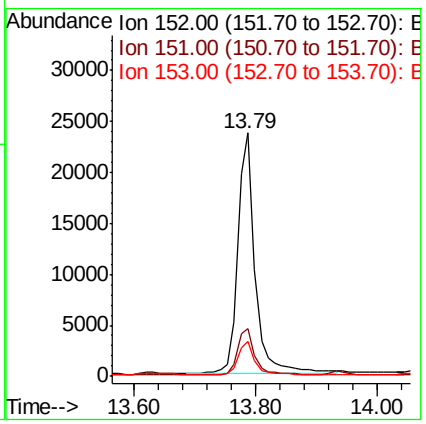


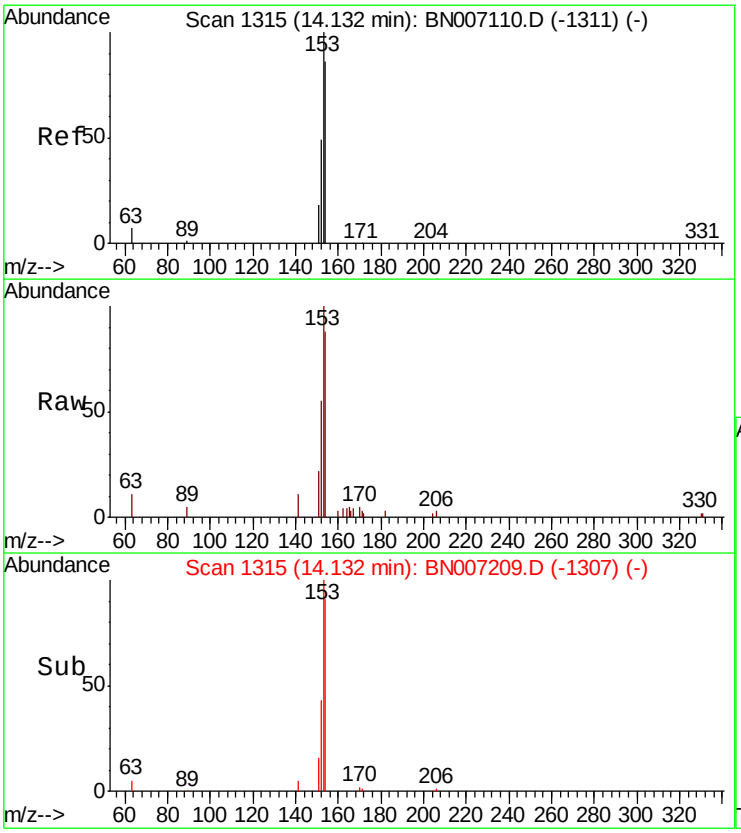
#15
Acenaphthylene
Concen: 0.745 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 46112

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	13.2	10.4	15.6

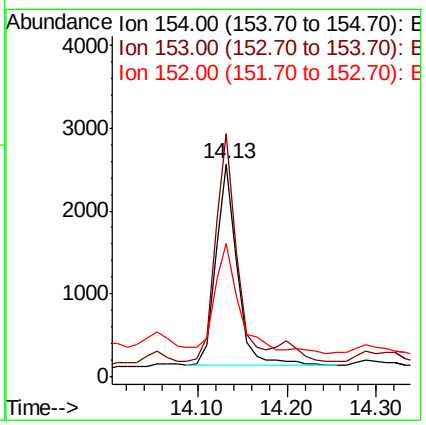


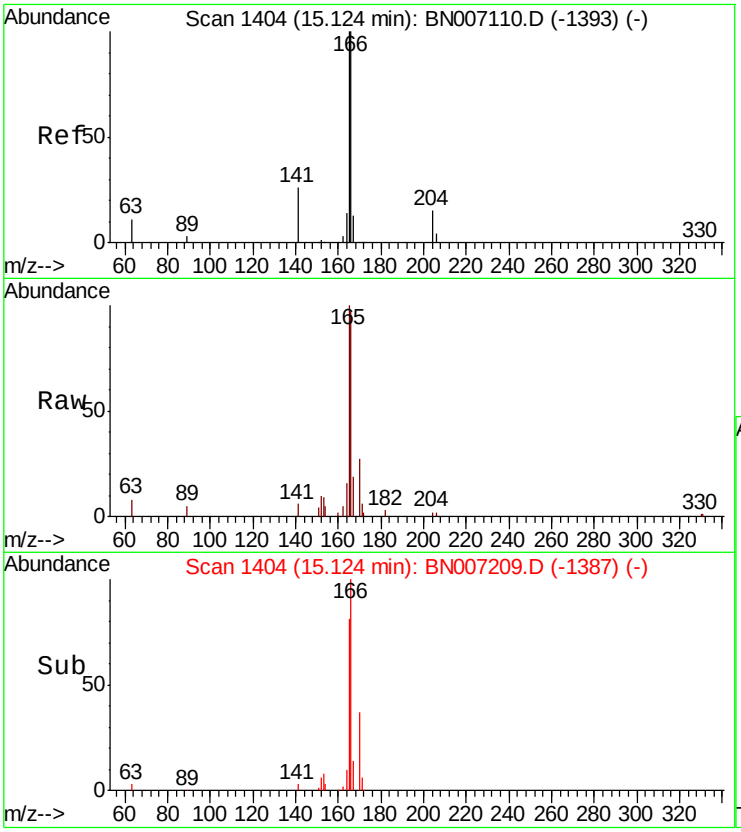


#16
Acenaphthene
Concen: 0.104 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Tgt Ion:154 Resp: 4113

Ion	Ratio	Lower	Upper
154	100		
153	109.1	89.5	134.3
152	64.8	44.8	67.2



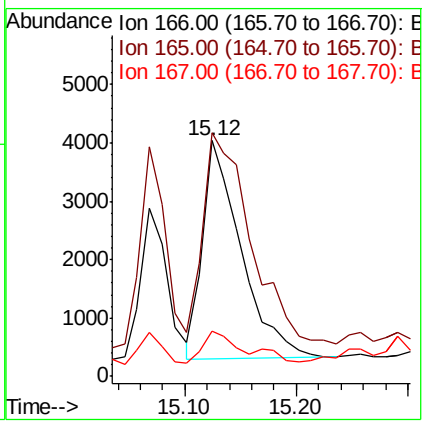


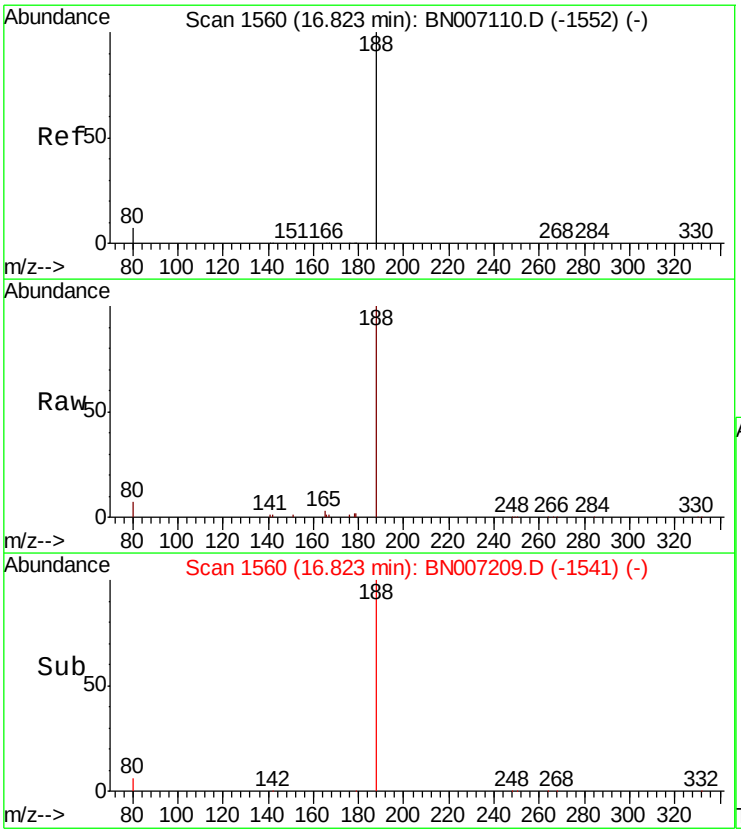
#17
Fluorene
Concen: 0.151 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:166 Resp: 8993

Ion	Ratio	Lower	Upper
166	100		
165	121.7	77.9	116.9#
167	15.6	10.9	16.3

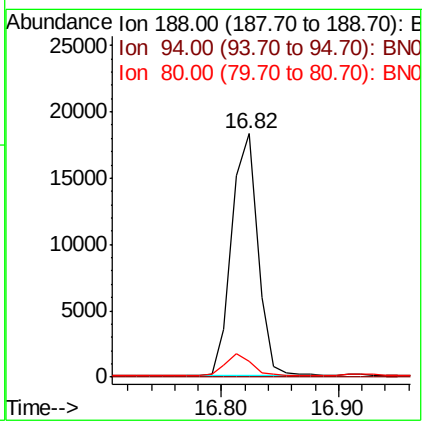


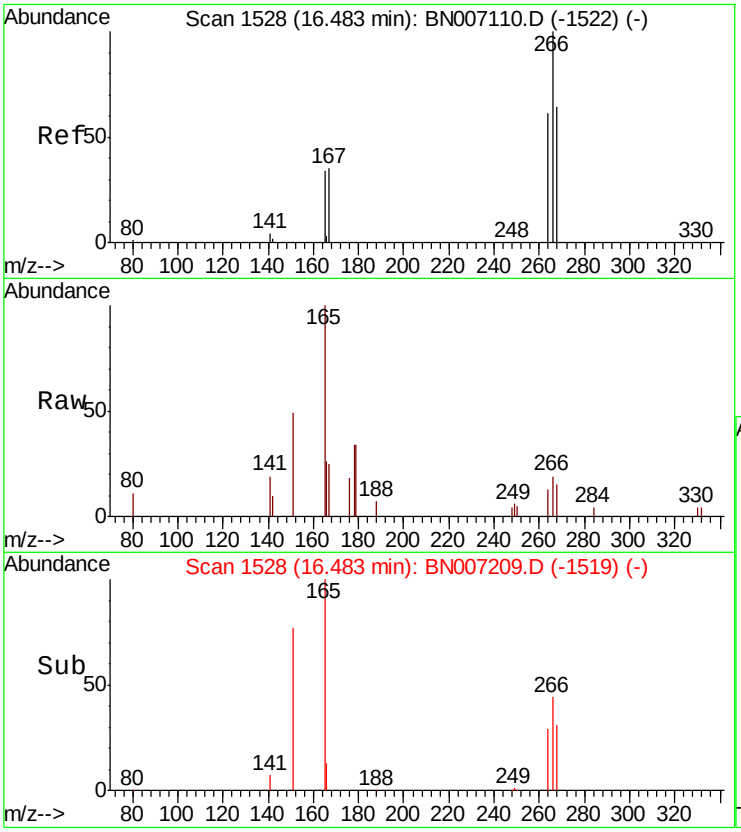


#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Tgt Ion:188 Resp: 28254

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.7	7.8	11.6#



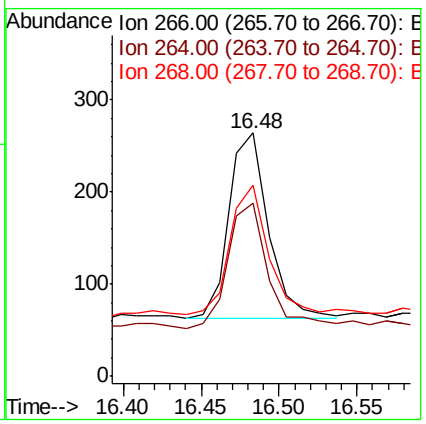


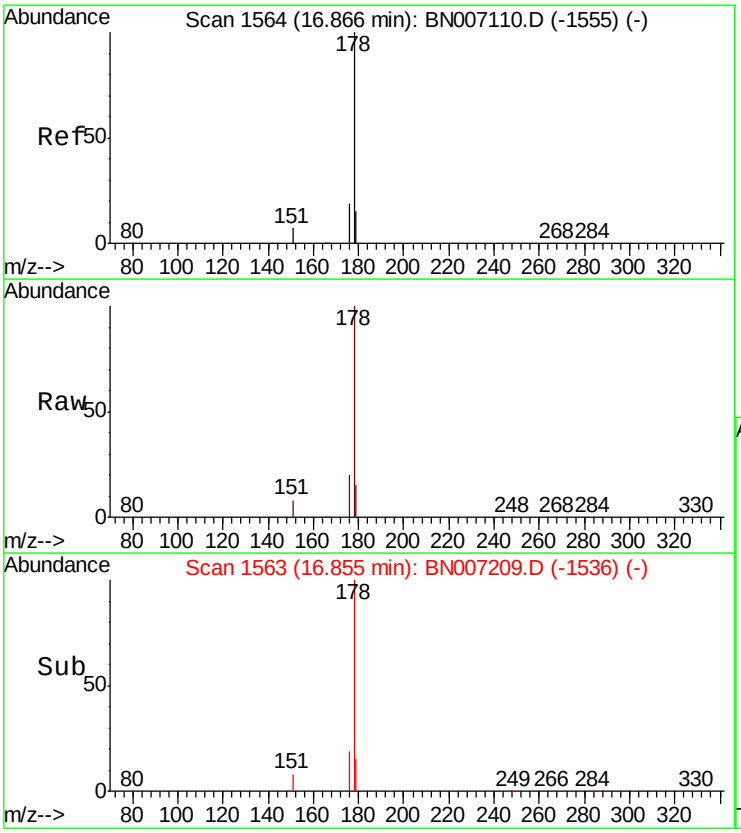
#21
Pentachlorophenol
Concen: 0.056 ng
RT: 16.48 min Scan# 1528
Delta R.T. -0.00 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:266 Resp: 353

Ion	Ratio	Lower	Upper
266	100		
264	71.2	52.3	78.5
268	78.8	51.5	77.3#

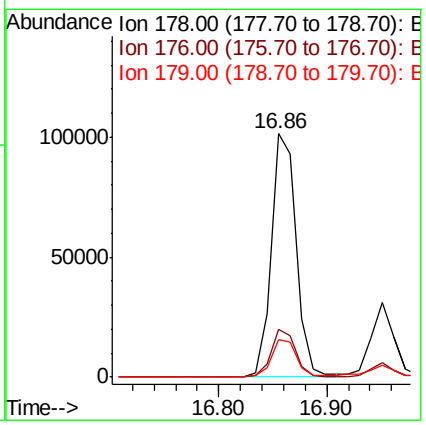


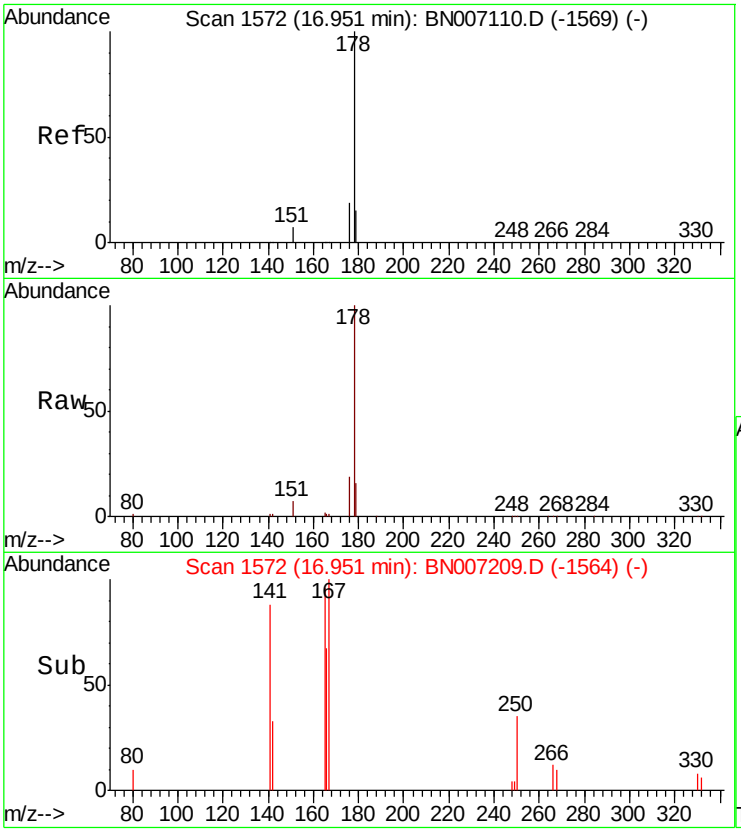


#22
Phenanthrene
Concen: 1.890 ng
RT: 16.86 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Tgt Ion:178 Resp: 160063

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.5	12.3	18.5



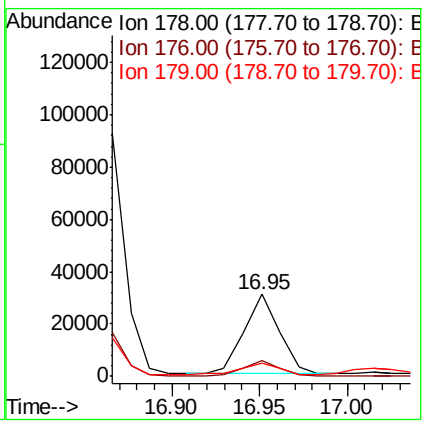


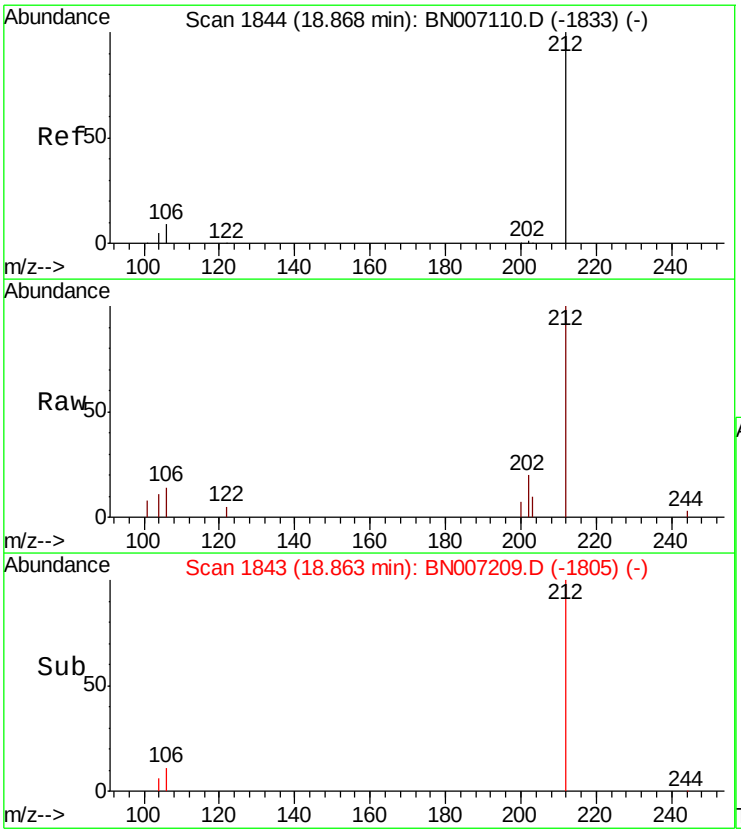
#23
Anthracene
Concen: 0.546 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp: 42227

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	21.8
179	17.1	12.5	18.7

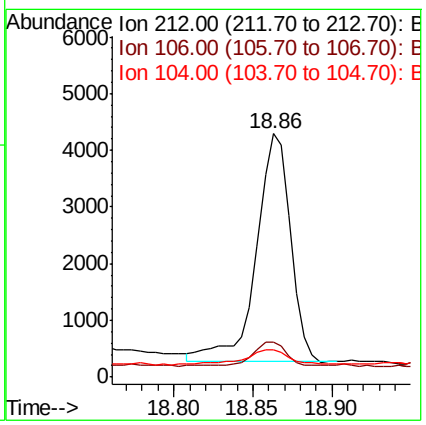


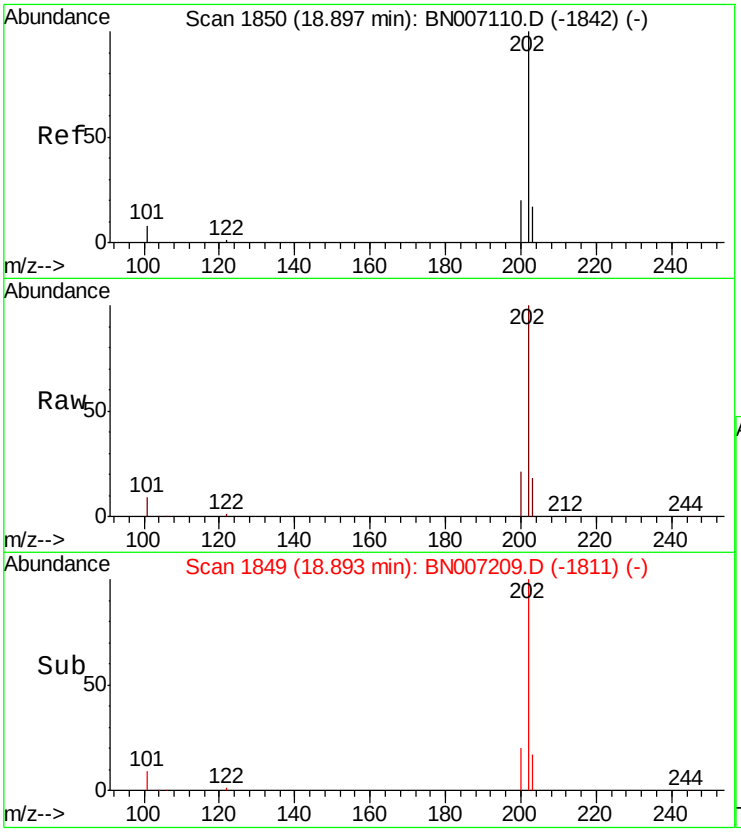


#24
Fluoranthene-d10
Concen: 0.060 ng
RT: 18.86 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Tgt Ion:212 Resp: 6052

Ion	Ratio	Lower	Upper
212	100		
106	10.2	8.2	12.2
104	9.0	4.5	6.7#



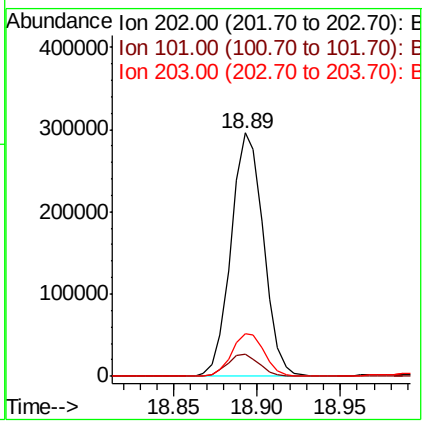


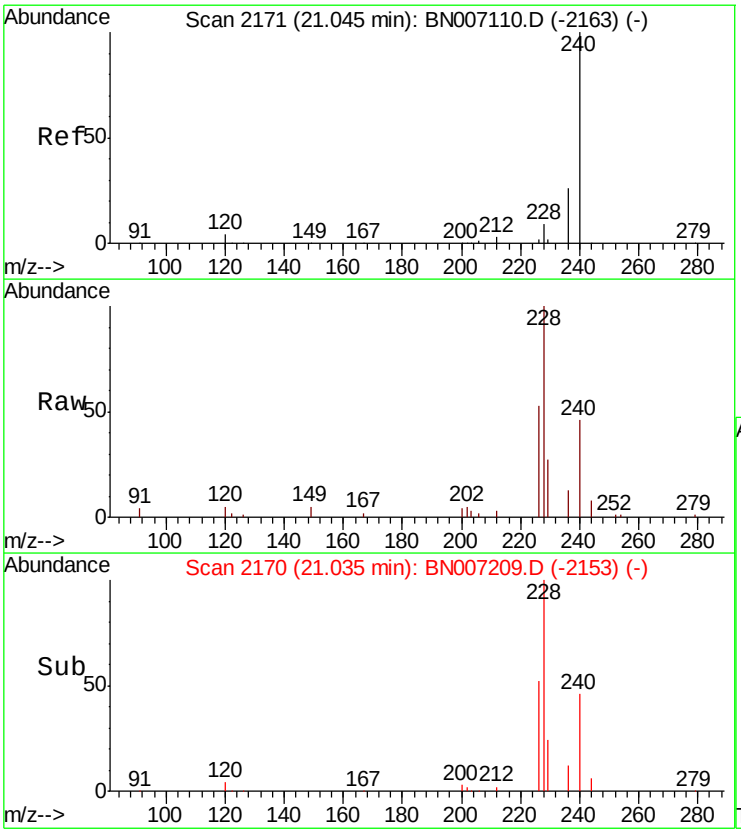
#25
Fluoranthene
Concen: 3.679 ng
RT: 18.89 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:202 Resp: 398487

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.0	10.4
203	17.5	13.8	20.8

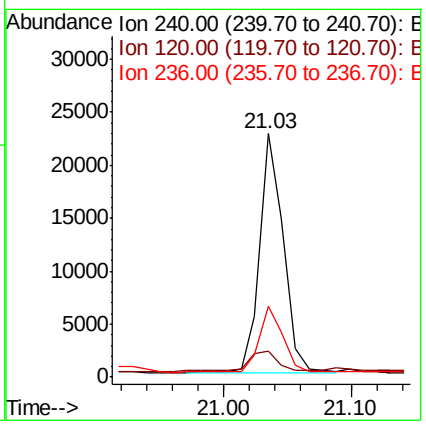


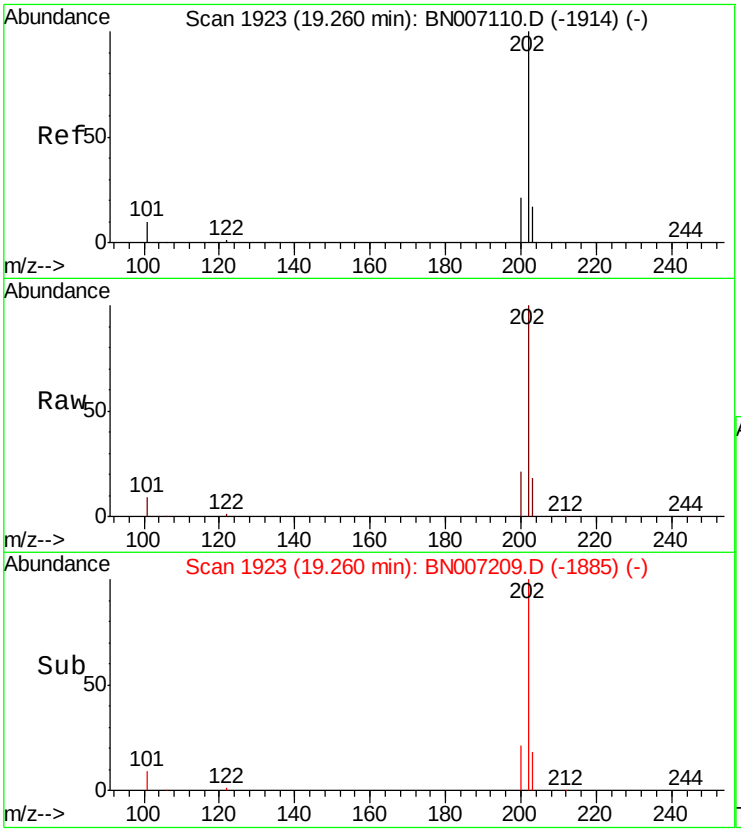


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.03 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Tgt Ion:240 Resp: 29177

Ion	Ratio	Lower	Upper
240	100		
120	10.8	4.0	6.0#
236	29.2	21.3	31.9



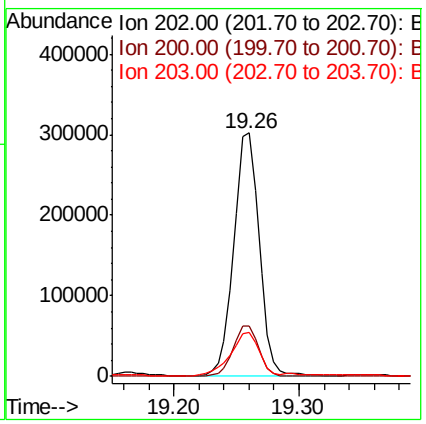


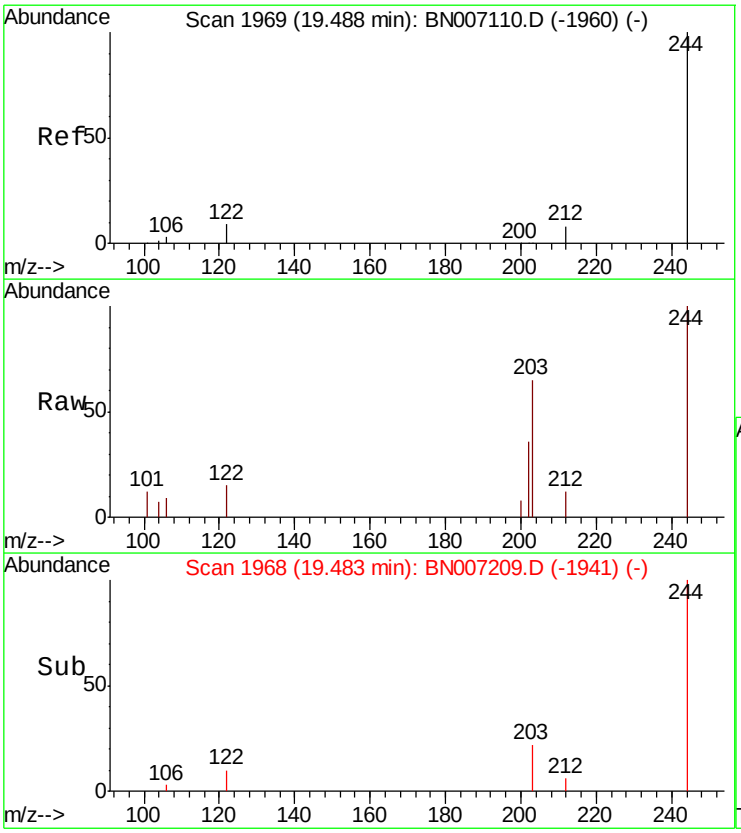
#27
Pyrene
Concen: 4.116 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:202 Resp: 421173

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	21.1	14.0	21.0#

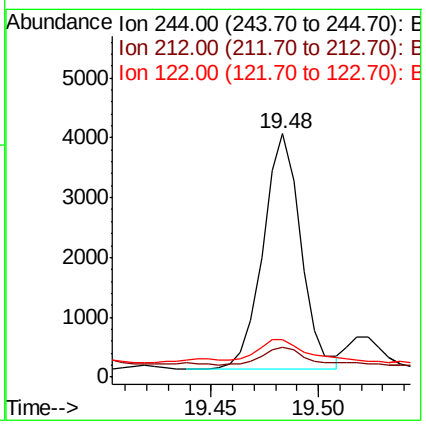


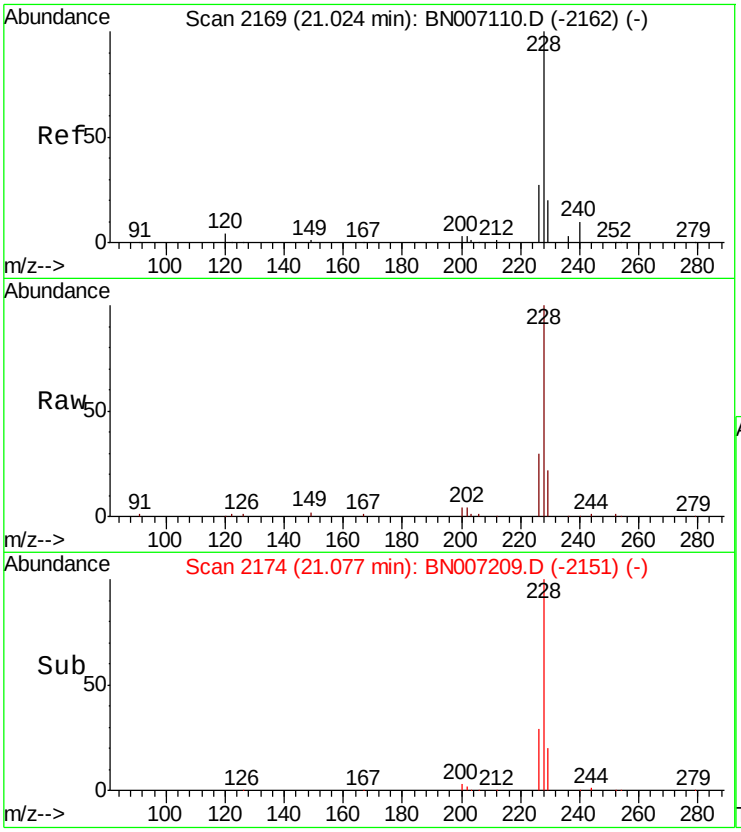


#28
Terphenyl-d14
Concen: 0.061 ng
RT: 19.48 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Tgt Ion:244 Resp: 4812

Ion	Ratio	Lower	Upper
244	100		
212	12.3	6.2	9.2#
122	15.5	7.4	11.2#



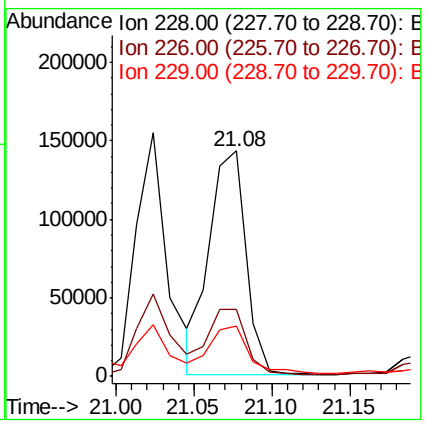


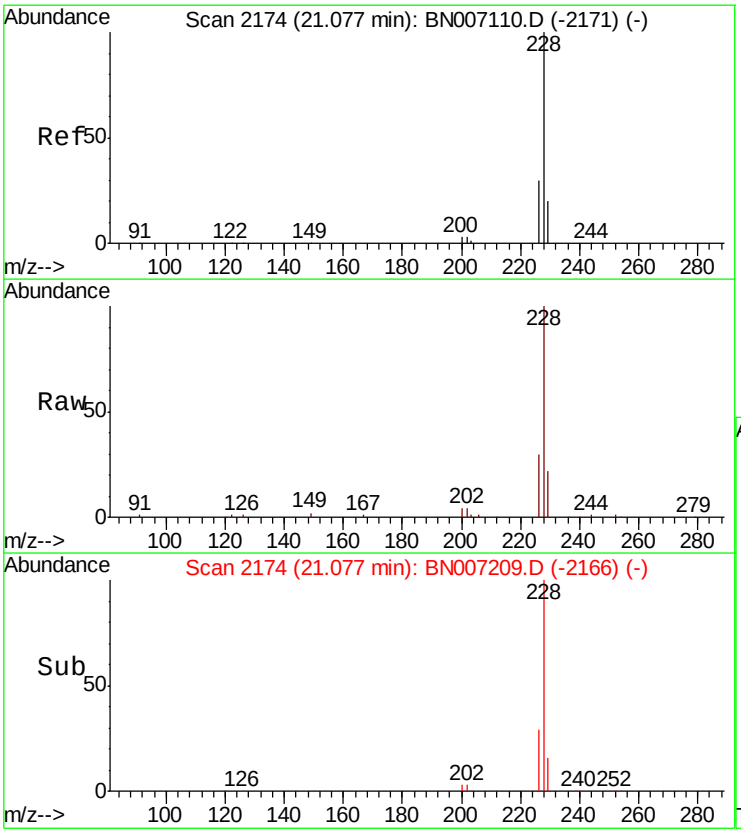
#29
Benzo(a)anthracene
Concen: 2.190 ng
RT: 21.08 min Scan# 2174
Delta R.T. 0.04 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 233697

Ion	Ratio	Lower	Upper
228	100		
226	29.5	21.8	32.6
229	22.2	15.6	23.4

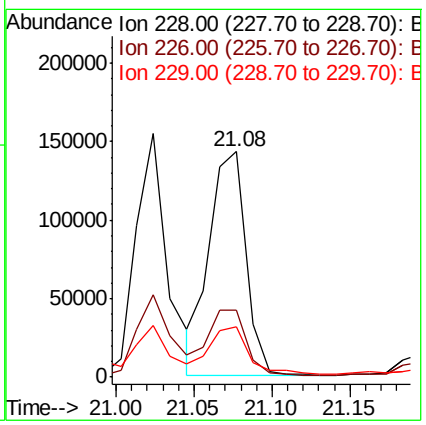


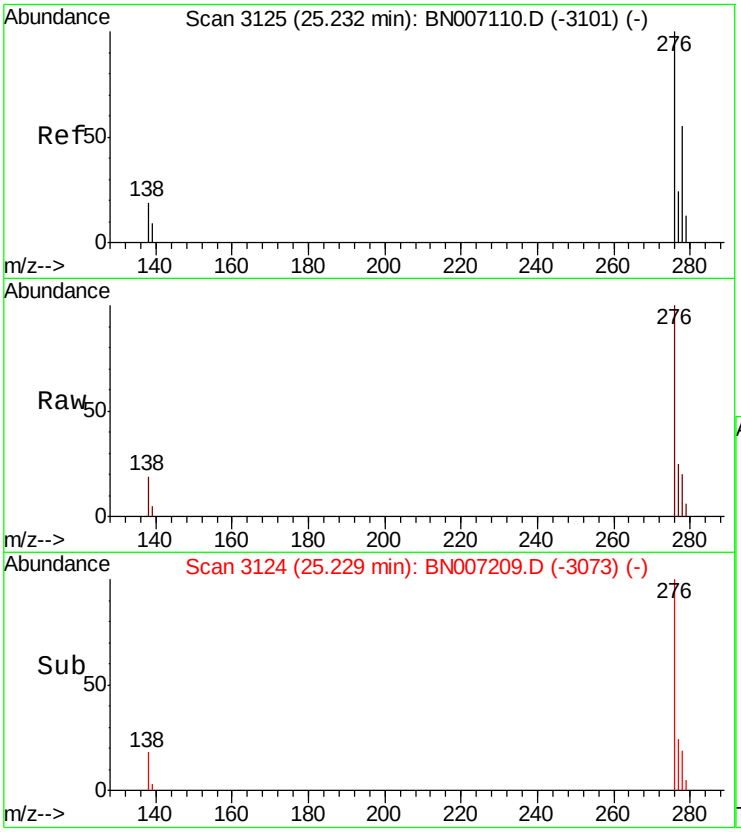


#30
Chrysene
Concen: 2.250 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Tgt Ion:228 Resp: 233218

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.8	35.6
229	22.2	15.7	23.5



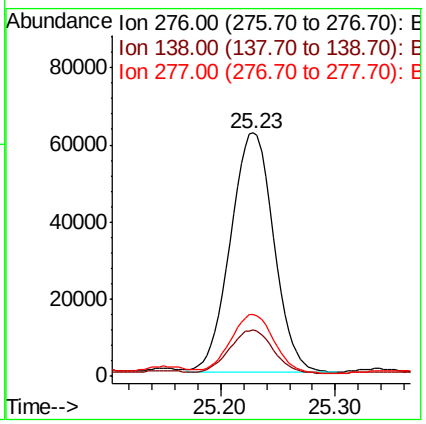


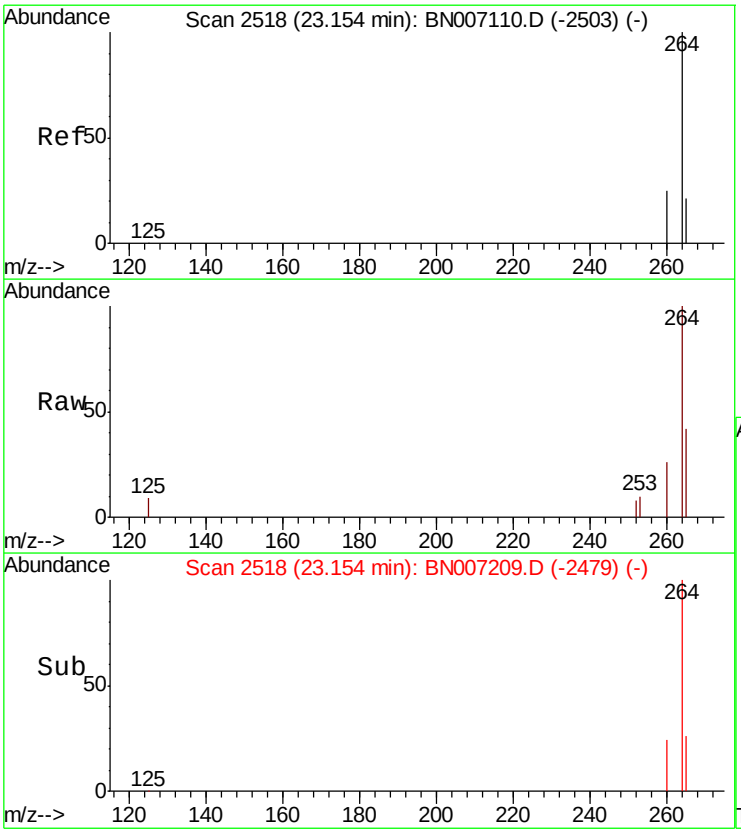
#31
Indeno(1,2,3-cd)pyrene
Concen: 1.418 ng
RT: 25.23 min Scan# 3124
Delta R.T. -0.02 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 162022

Ion	Ratio	Lower	Upper
276	100		
138	18.4	16.0	24.0
277	24.6	19.9	29.9

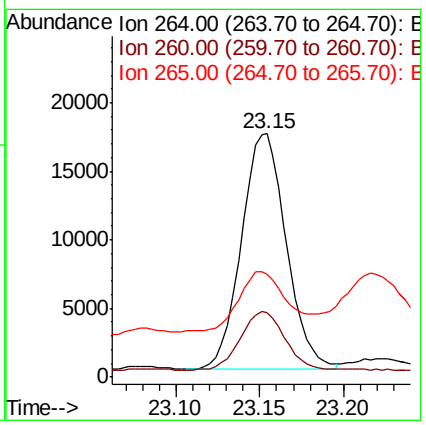


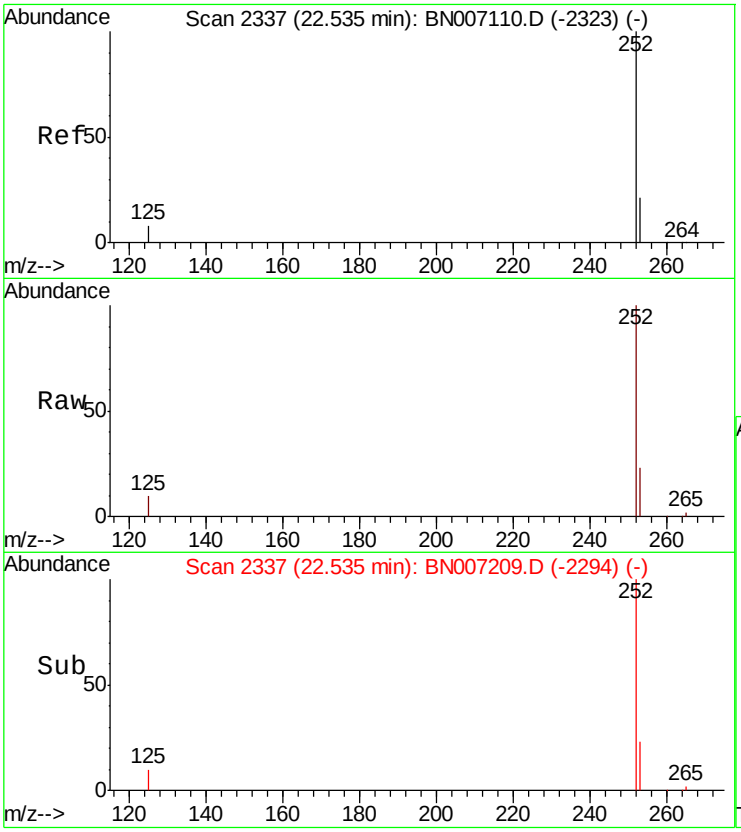


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.15 min Scan# 2518
Delta R.T. -0.02 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Tgt Ion:264 Resp: 32218

Ion	Ratio	Lower	Upper
264	100		
260	26.2	19.8	29.8
265	42.4	26.2	39.4#



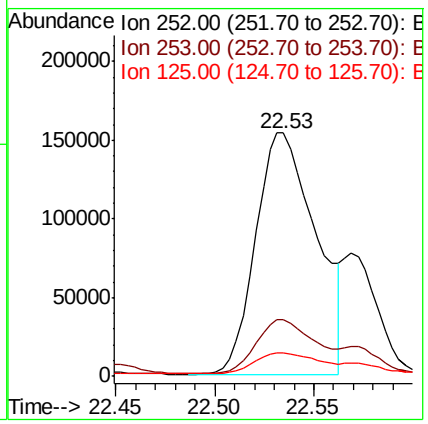


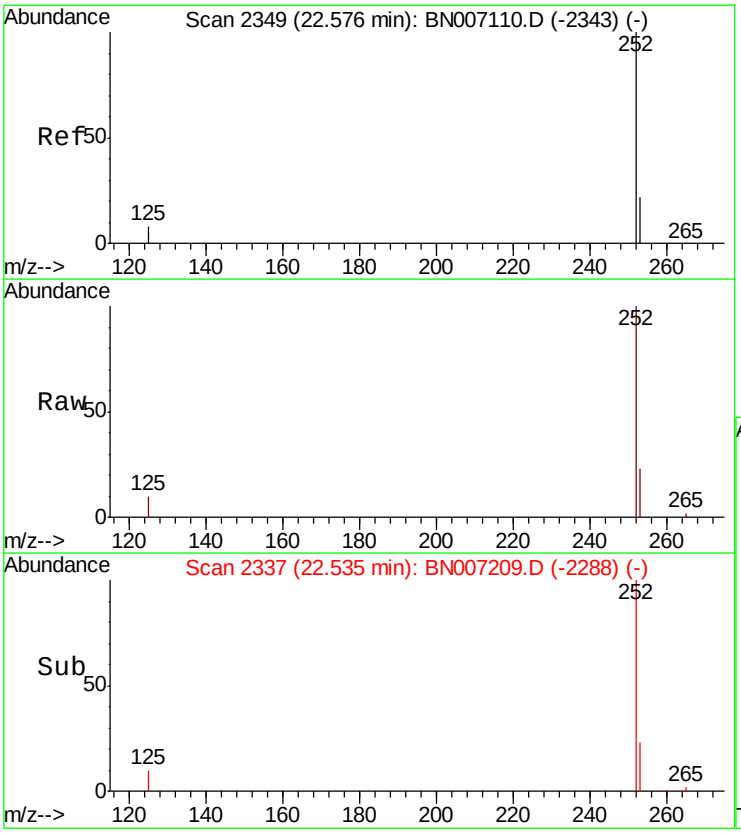
#33
Benzo(b)fluoranthene
Concen: 2.940 ng
RT: 22.53 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 324805

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	9.7	7.4	11.0

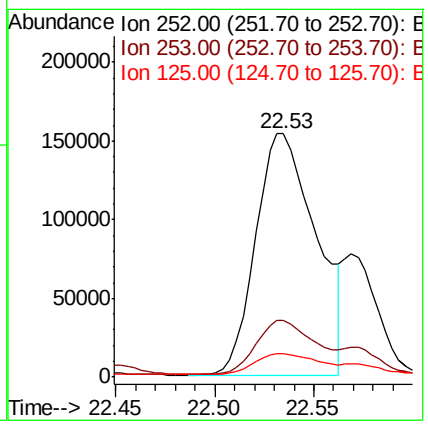


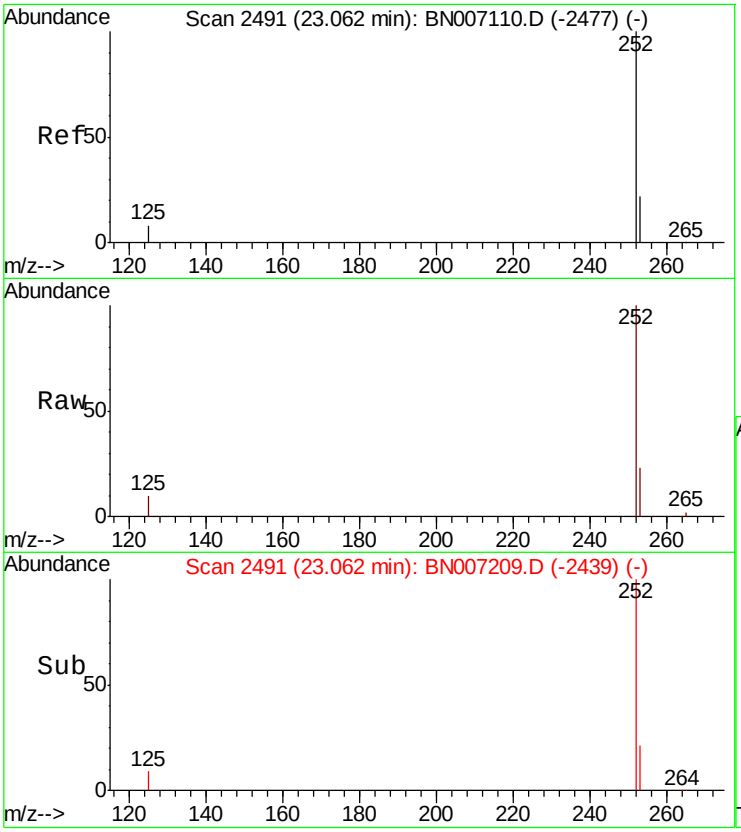


#34
Benzo(k)fluoranthene
Concen: 2.977 ng
RT: 22.53 min Scan# 2337
Delta R.T. -0.05 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Tgt Ion:252 Resp: 324805

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	9.7	7.4	11.0



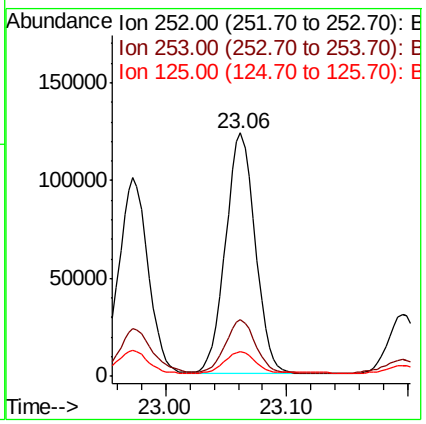


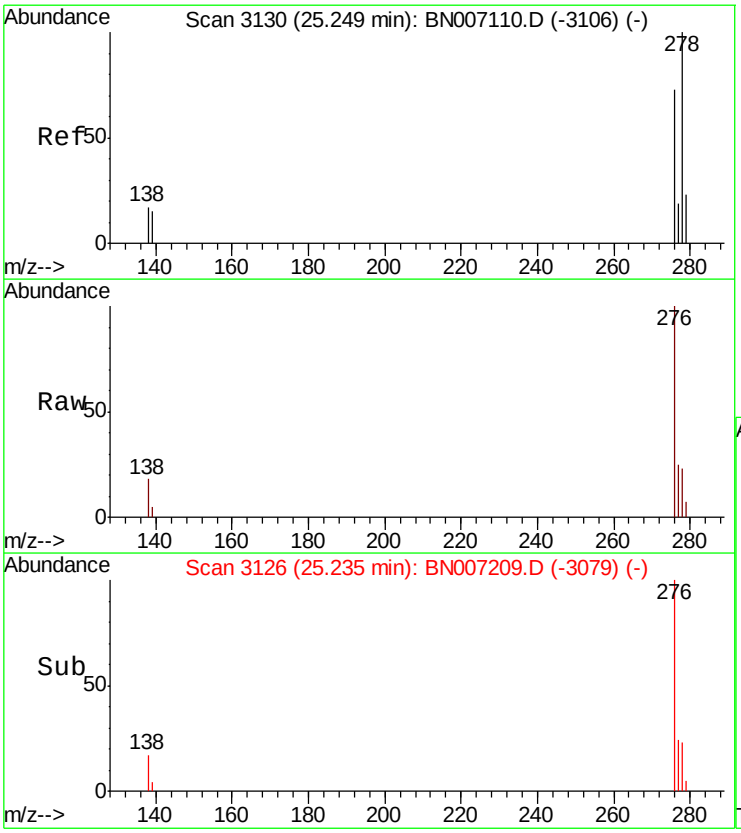
#35
Benzo(a)pyrene
Concen: 2.099 ng
RT: 23.06 min Scan# 2491
Delta R.T. -0.02 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 210228

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

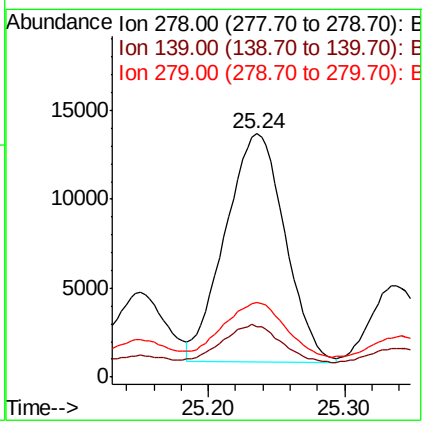


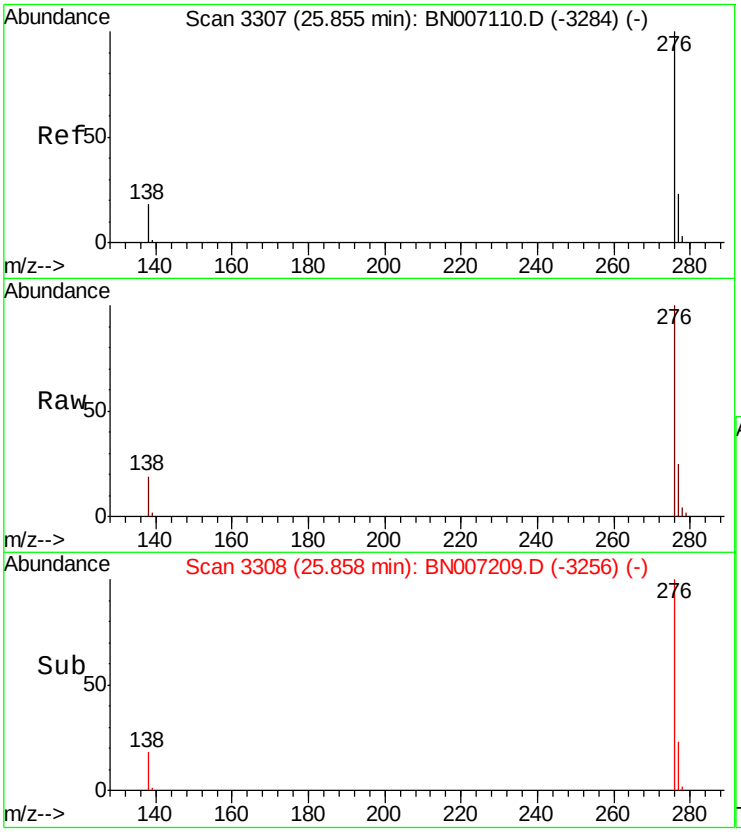


#36
Dibenzo(a,h)anthracene
Concen: 0.391 ng
RT: 25.24 min Scan# 3126
Delta R.T. -0.04 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Tgt Ion:278 Resp: 39092

Ion	Ratio	Lower	Upper
278	100		
139	20.9	11.3	16.9#
279	30.5	19.3	28.9#





#37
Benzo(g,h,i)perylene
Concen: 1.669 ng
RT: 25.86 min Scan# 3308
Delta R.T. -0.02 min
Lab File: BN007209.D
Acq: 15 Aug 2019 22:46

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 171535

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.8	29.8
138	19.3	14.6	22.0