Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081319\
Data File : BN007133.D
Acq On : 13 Aug 2019 15:55
Operator : HP/JU
Sample : K4173-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId :

Quant Time: Aug 14 03:12:21 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	9620	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	37746	0.40	ng		0.00
12) Acenaphthene-d10	14.08	164	21626	0.40	ng		0.00
18) Phenanthrene-d10	16.82	188	50109	0.40	ng		0.00
26) Chrysene-d12	21.04	240	48320	0.40	ng		-0.01
32) Perylene-d12	23.16	264	54406	0.40	ng		-0.01
System Monitoring Compounds							
3) 2-Fluorophenol	5.06	112	6361	0.28	ng		0.00
4) Phenol-d6	6.62	99	8608	0.30	ng		0.00
7) Nitrobenzene-d5	8.56	82	7093	0.23	ng		0.00
10) 2-Methylnaphthalene-d10	11.79	152	15322	0.22	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	2490	0.21	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	3917	0.12	ng		0.00
24) Fluoranthene-d10	18.87	212	34016	0.19	ng		0.00
28) Terphenyl-d14	19.49	244	25644	0.19	ng		-0.01
Target Compounds							Qvalue
8) Naphthalene	10.24	128	12523	0.118	ng		98
11) 2-Methylnaphthalene	11.86	142	6682	0.089	ng		94
15) Acenaphthylene	13.79	152	85366	0.755	ng		100
16) Acenaphthene	14.13	154	7167	0.099	ng		93
17) Fluorene	15.13	166	15908	0.147	ng	#	81
22) Phenanthrene	16.87	178	294484	1.961	ng		100
23) Anthracene	16.95	178	84485	0.616	ng		97
25) Fluoranthene	18.90	202	686694	3.575	ng		99
27) Pyrene	19.26	202	724653	4.276	ng		97
29) Benzo(a)anthracene	21.08	228	392329	2.220	ng		93
30) Chrysene	21.08	228	391407	2.280	ng		96
31) Indeno(1,2,3-cd)pyrene	25.24	276	256684	1.356	ng		98
33) Benzo(b)fluoranthene	22.54	252	524012	2.809	ng		99
34) Benzo(k)fluoranthene	22.54	252	524012	2.844	ng		99
35) Benzo(a)pyrene	23.07	252	382106	2.259	ng		99
36) Dibenzo(a,h)anthracene	25.25	278	70356	0.417	ng	#	87
37) Benzo(g,h,i)perylene	25.87	276	250055	1.441	ng		99

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

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081319\
Data File : BN007133.D
Acq On : 13 Aug 2019 15:55
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ALS Vial : 5 Sample Multiplier: 1

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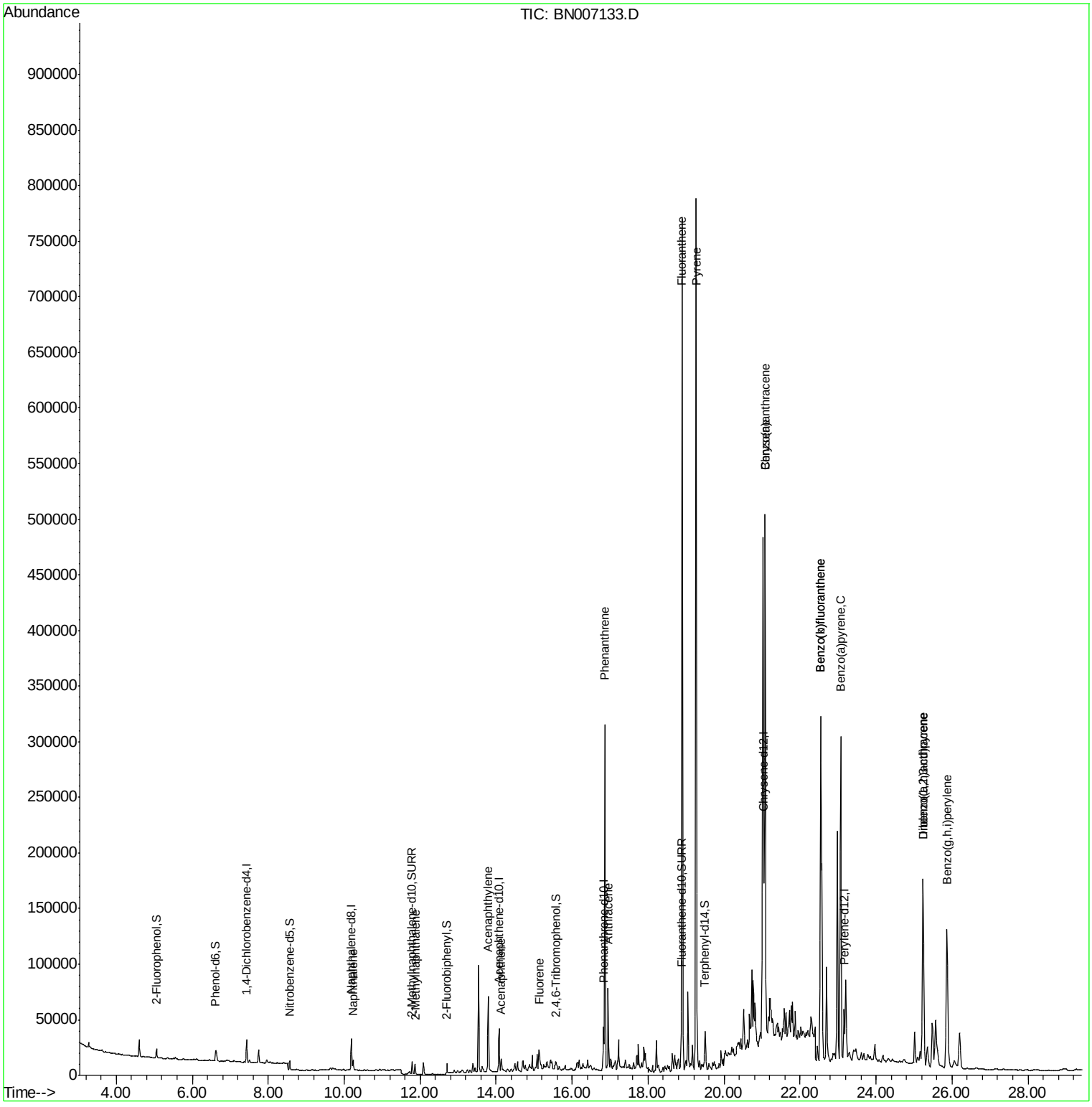
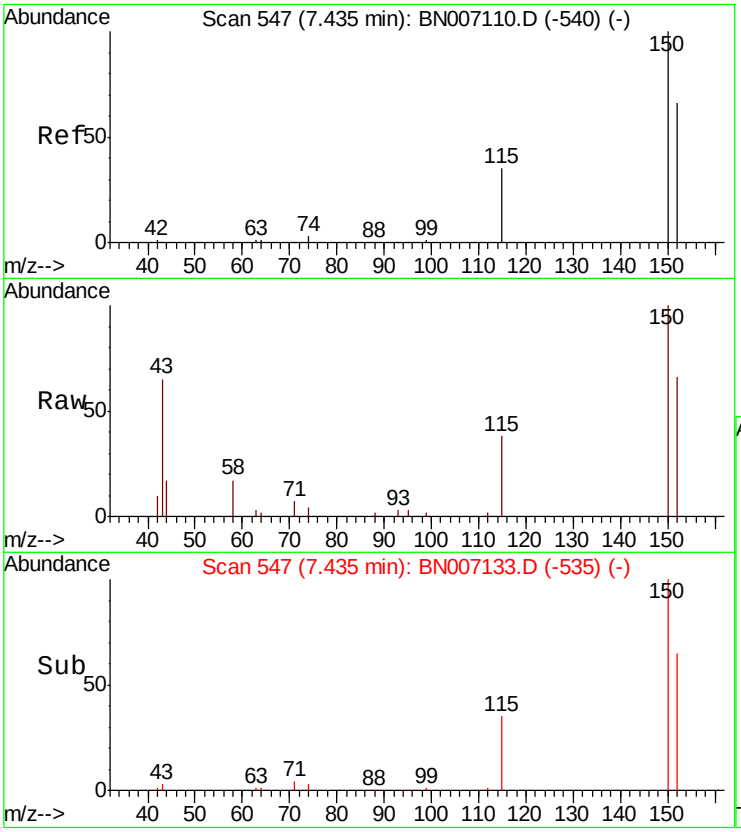
Quant Time: Aug 14 03:12:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration



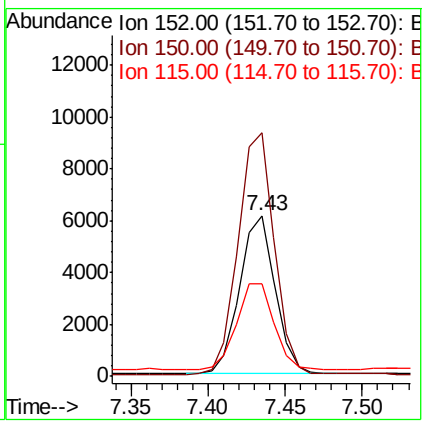


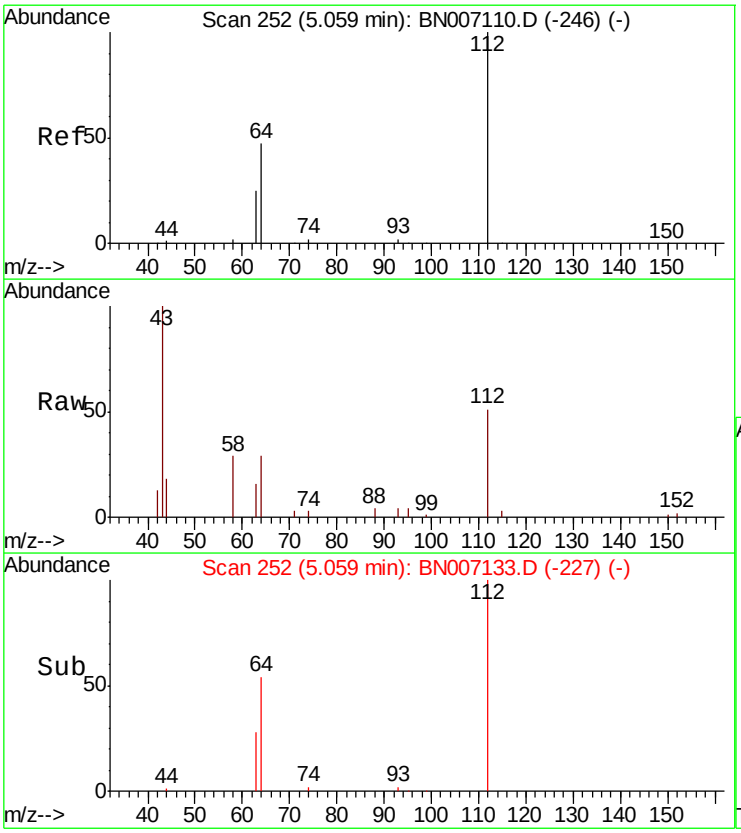
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 9620

Ion	Ratio	Lower	Upper
152	100		
150	151.2	121.7	182.5
115	57.6	46.2	69.4

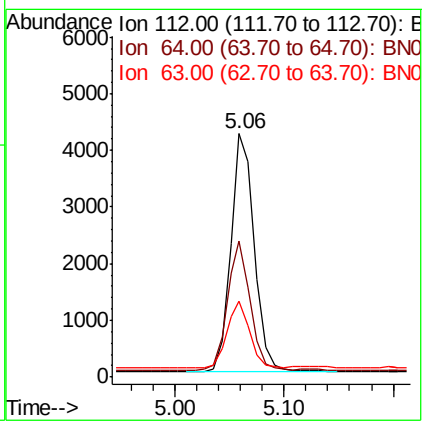


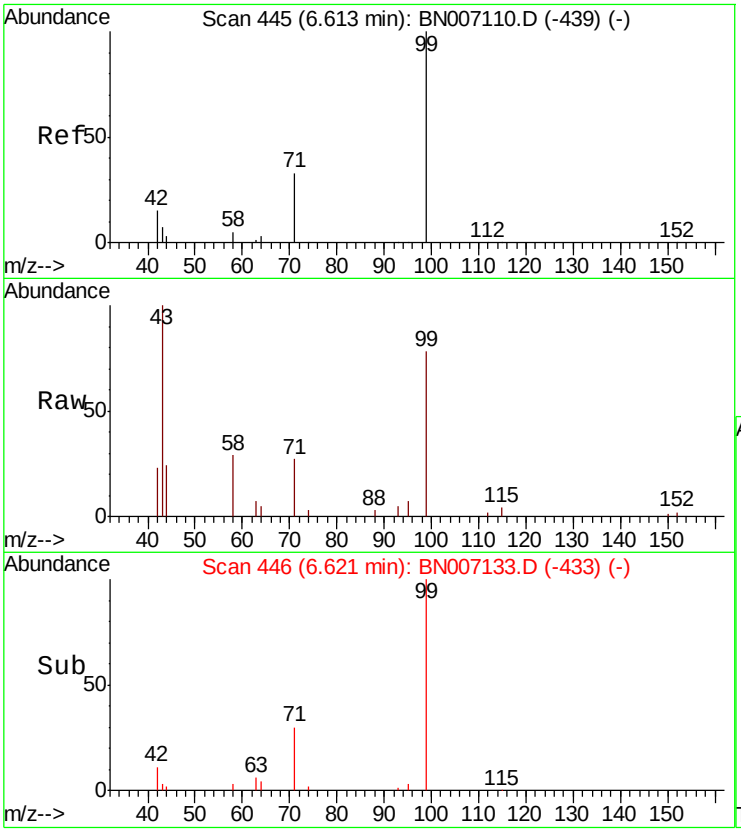


#3
2-Fluorophenol
Concen: 0.275 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Tgt Ion:112 Resp: 6361

Ion	Ratio	Lower	Upper
112	100		
64	52.1	42.6	63.8
63	26.8	22.2	33.2



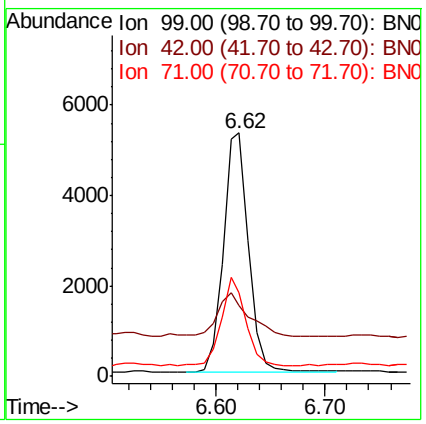


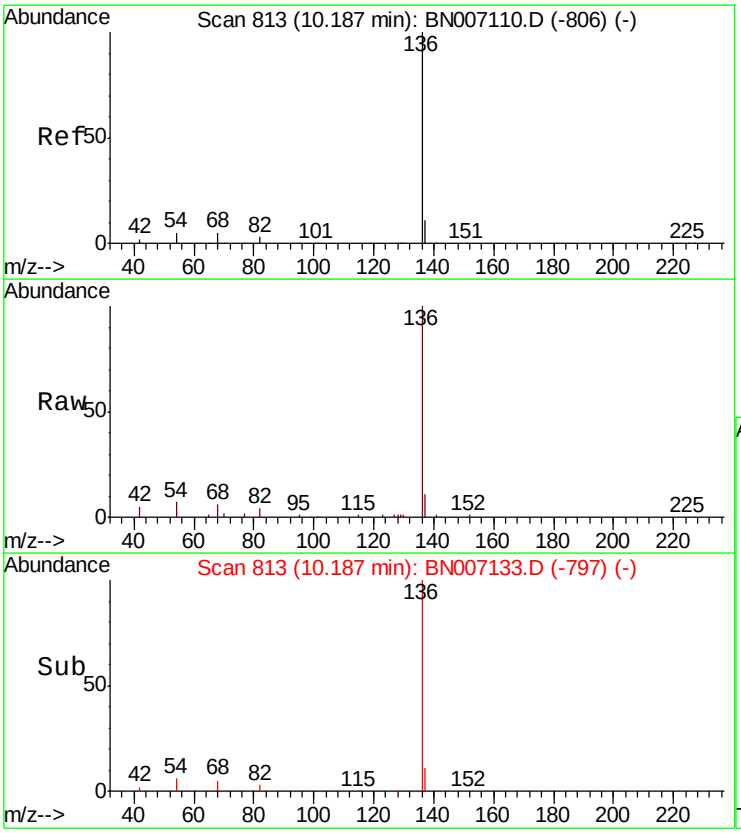
#4
Phenol-d6
Concen: 0.301 ng
RT: 6.62 min Scan# 446
Delta R.T. 0.01 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 99 Resp: 8608

Ion	Ratio	Lower	Upper
99	100		
42	22.8	15.8	23.6
71	35.0	27.0	40.4

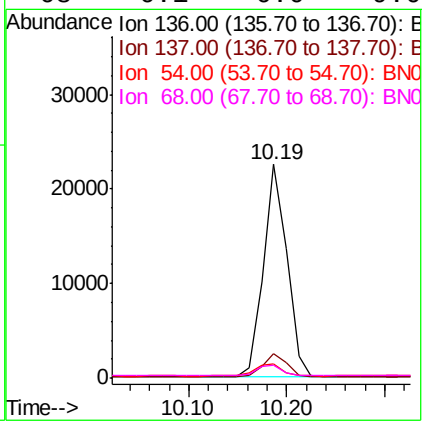


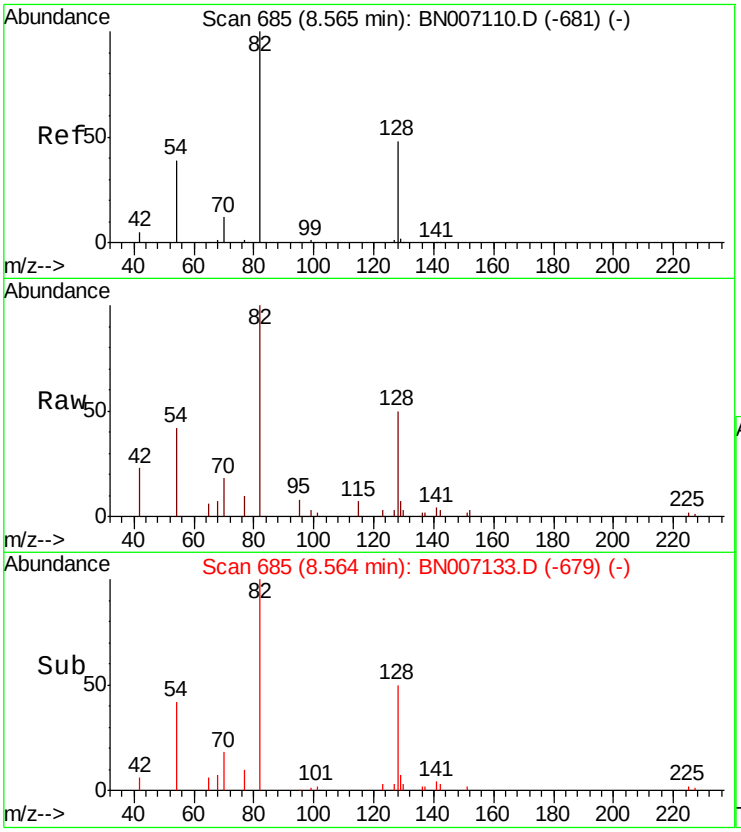


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Tgt Ion:136 Resp: 37746

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.4	14.0
54	6.5	6.6	9.8#
68	6.1	6.0	9.0



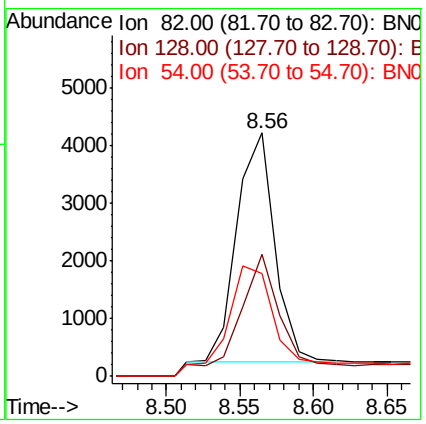


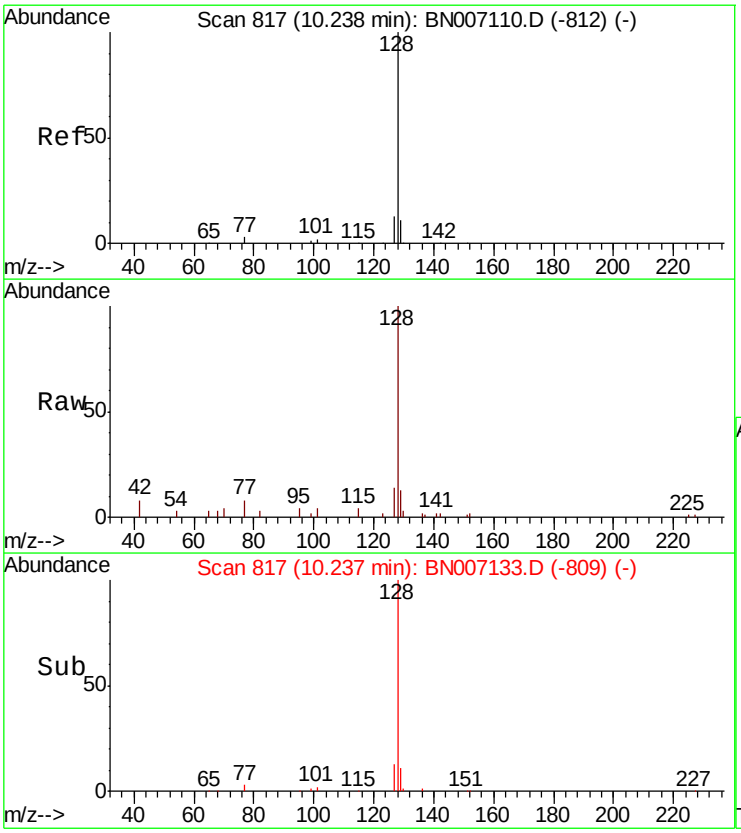
#7
Nitrobenzene-d5
Concen: 0.233 ng
RT: 8.56 min Scan# 685
Delta R.T. -0.00 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 82 Resp: 7093

Ion	Ratio	Lower	Upper
82	100		
128	50.2	34.6	51.8
54	42.1	36.2	54.4

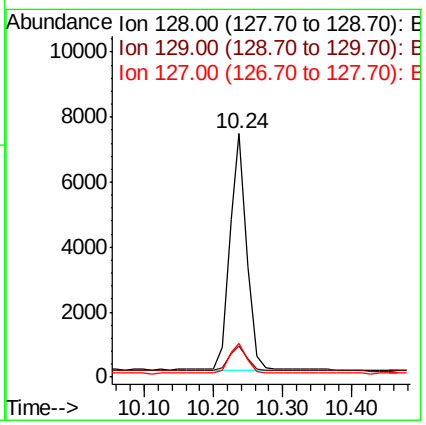


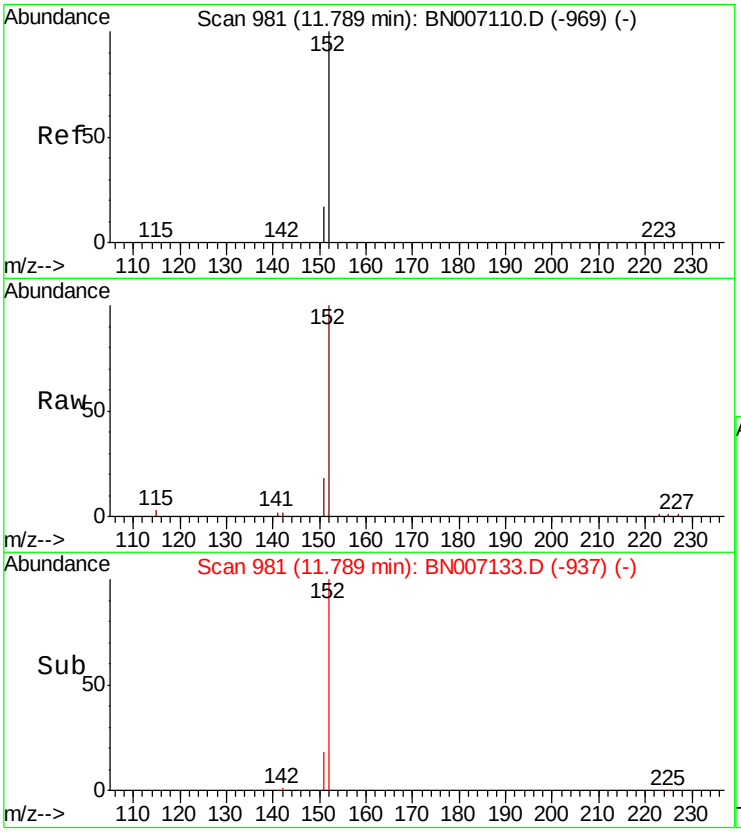


#8
Naphthalene
Concen: 0.118 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Tgt Ion:128 Resp: 12523

Ion	Ratio	Lower	Upper
128	100		
129	13.0	9.4	14.2
127	14.1	11.0	16.6



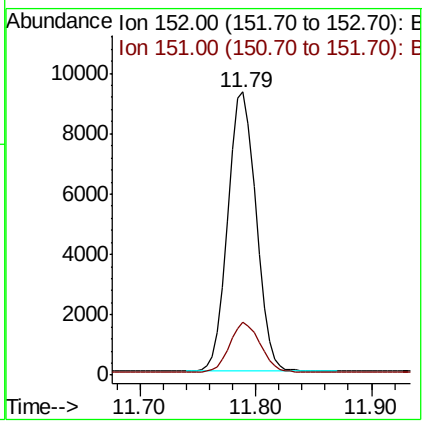


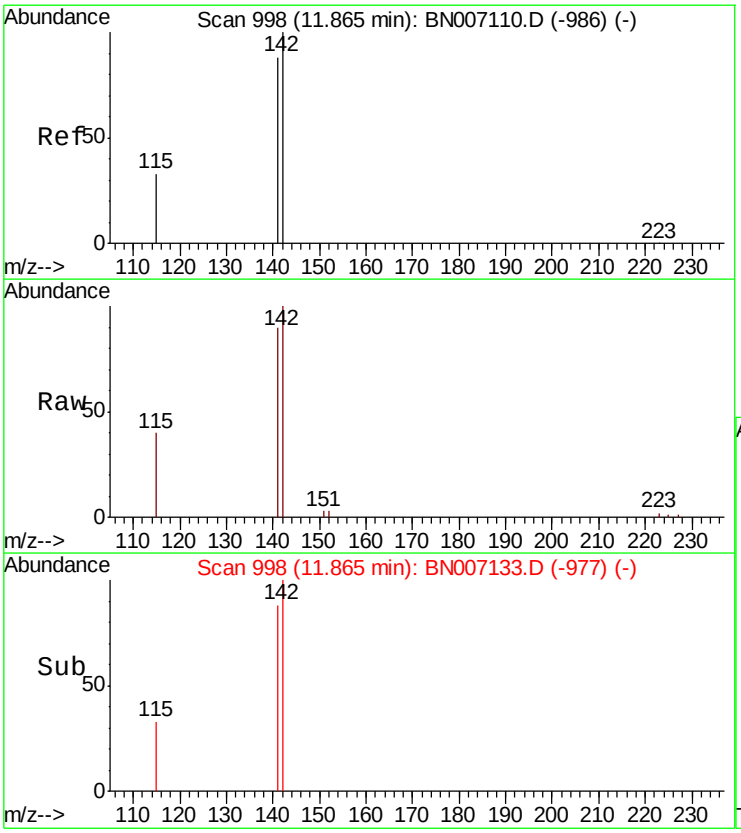
#10
2-Methylnaphthalene-d10
Concen: 0.218 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 15322

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.5	23.3

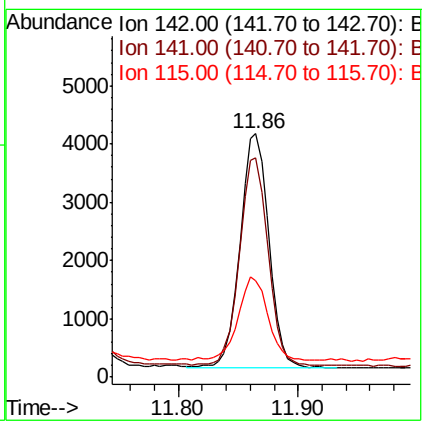


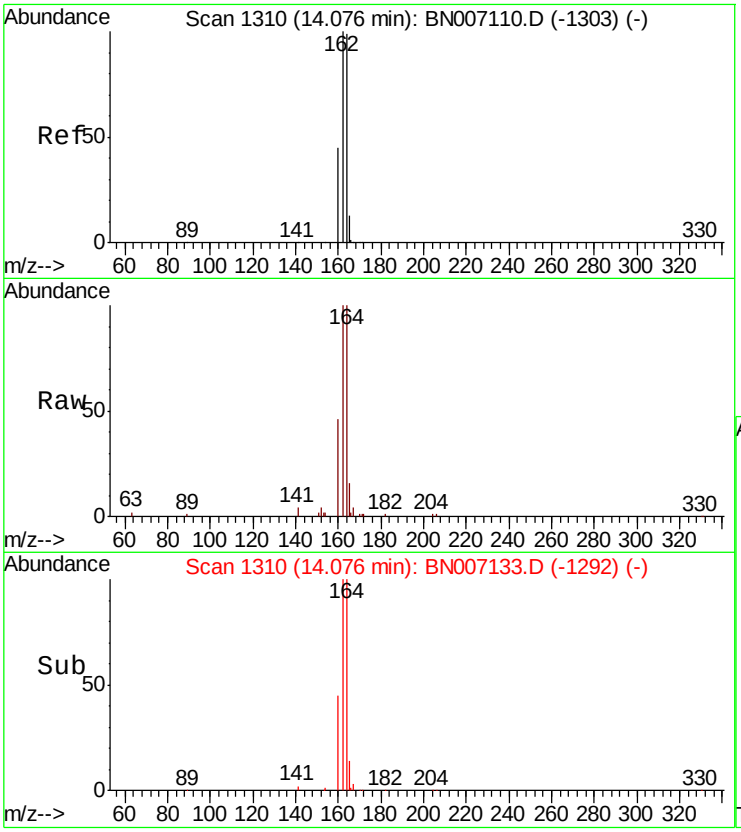


#11
2-Methylnaphthalene
Concen: 0.089 ng
RT: 11.86 min Scan# 998
Delta R.T. -0.00 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Tgt Ion:142 Resp: 6682

Ion	Ratio	Lower	Upper
142	100		
141	90.1	69.0	103.6
115	39.6	27.1	40.7



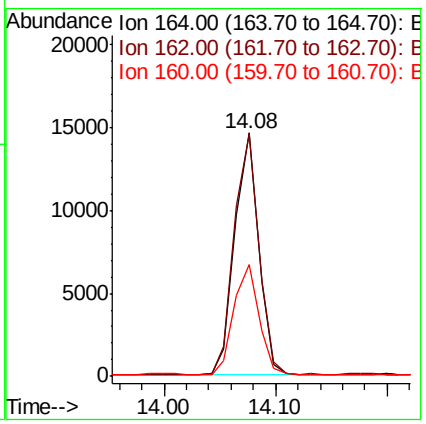


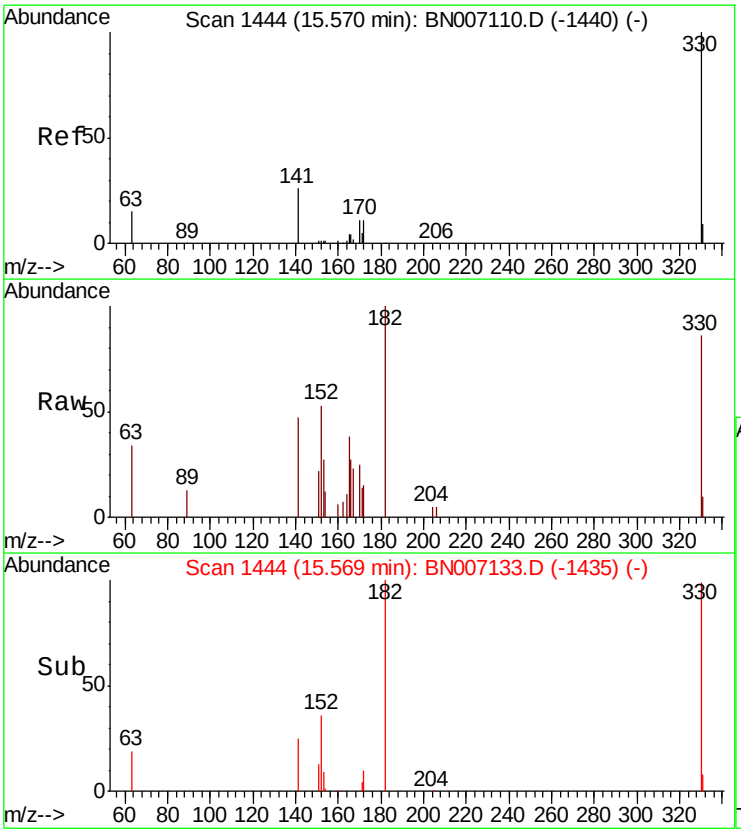
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:164 Resp: 21626

Ion	Ratio	Lower	Upper
164	100		
162	99.6	82.2	123.4
160	45.8	38.3	57.5

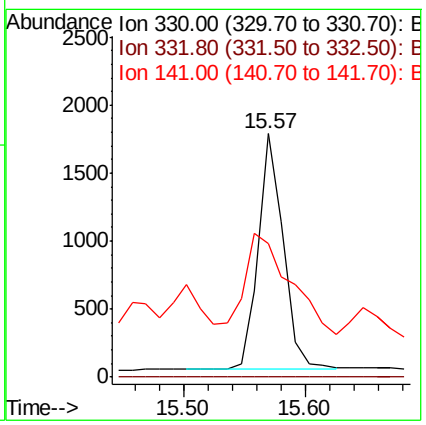


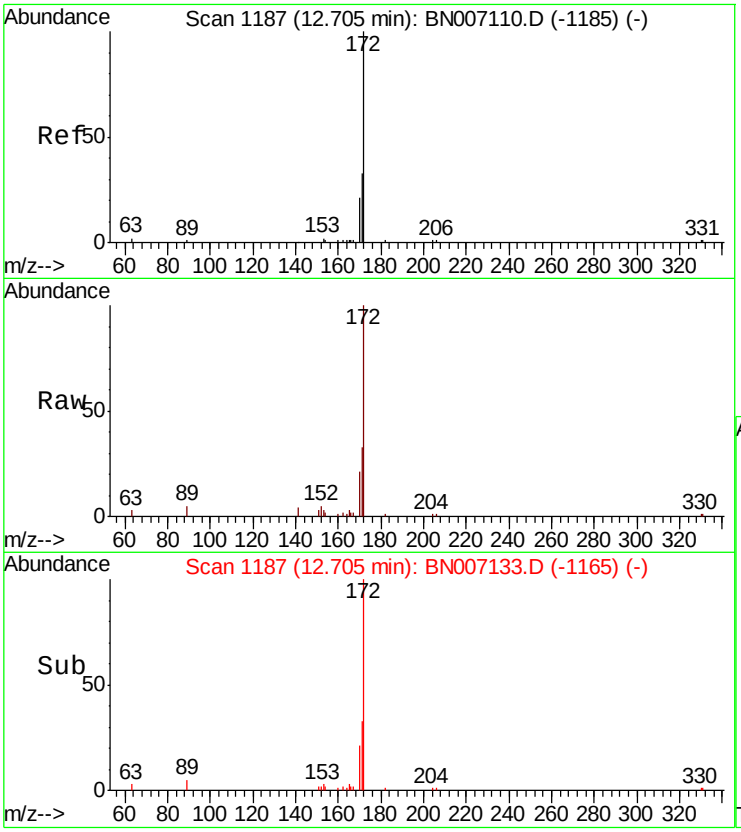


#13
2,4,6-Tribromophenol
Concen: 0.214 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Tgt Ion:330 Resp: 2490

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	77.1	33.6	50.4#



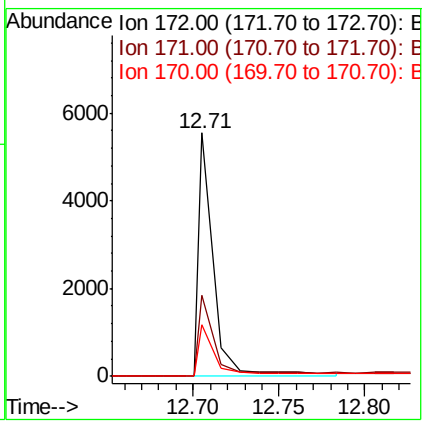


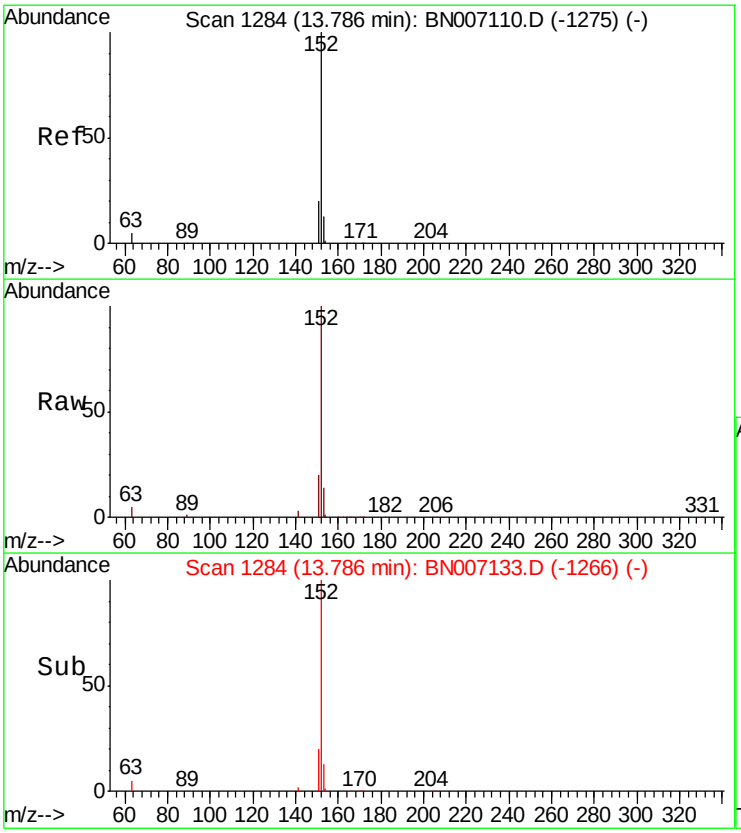
#14
2-Fluorobiphenyl
Concen: 0.125 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:172 Resp: 3917

Ion	Ratio	Lower	Upper
172	100		
171	33.4	26.3	39.5
170	21.0	17.0	25.4

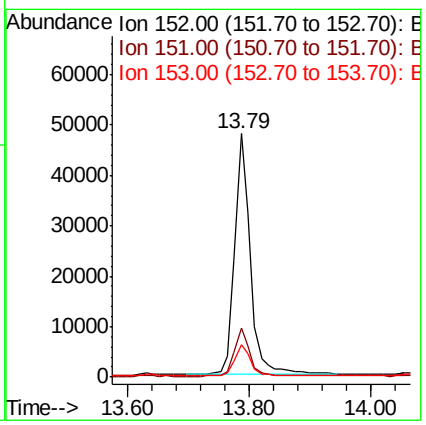


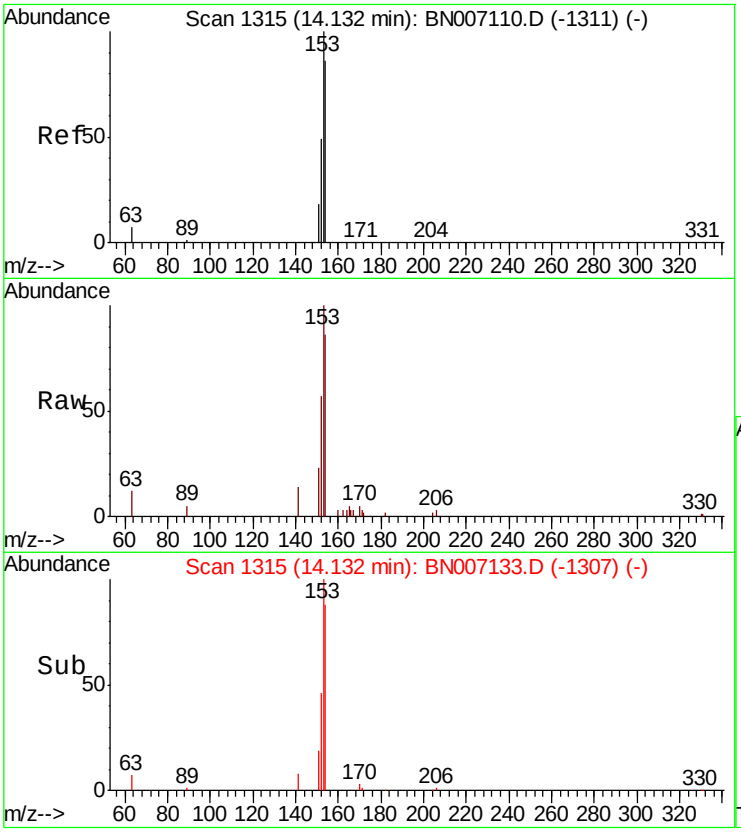


#15
Acenaphthylene
Concen: 0.755 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Tgt Ion:152 Resp: 85366

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	13.2	10.4	15.6



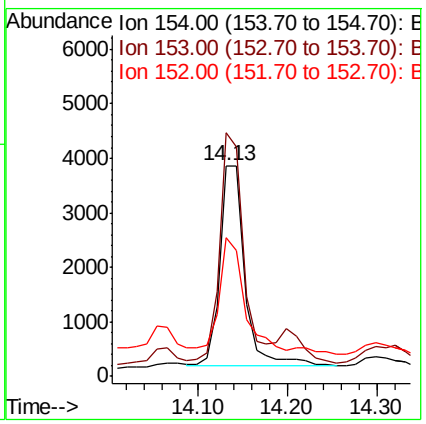


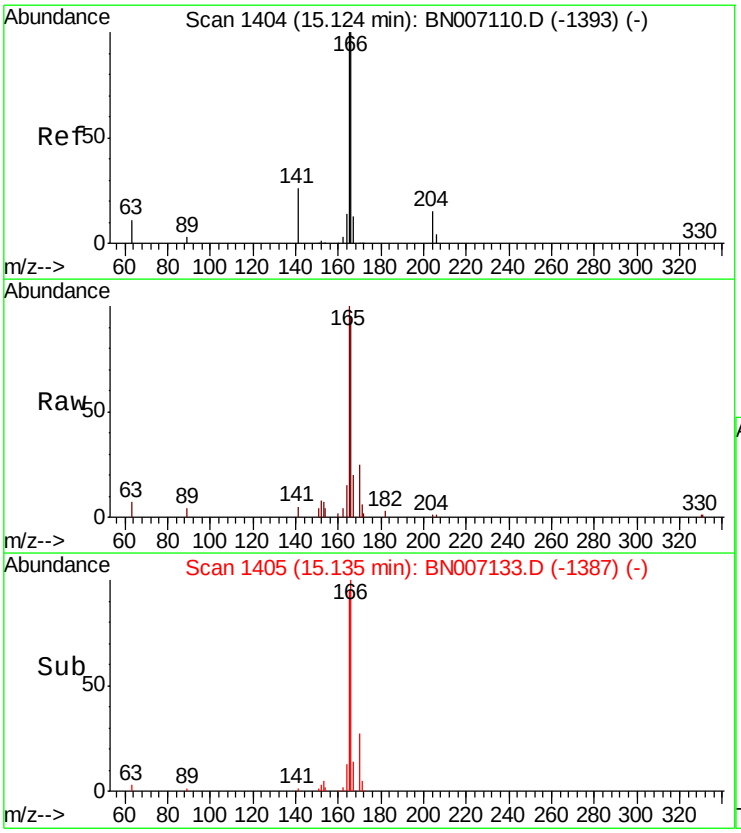
#16
Acenaphthene
Concen: 0.099 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:154 Resp: 7167

Ion	Ratio	Lower	Upper
154	100		
153	107.1	89.5	134.3
152	64.4	44.8	67.2

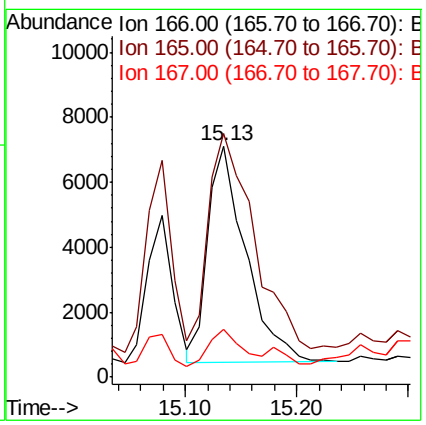


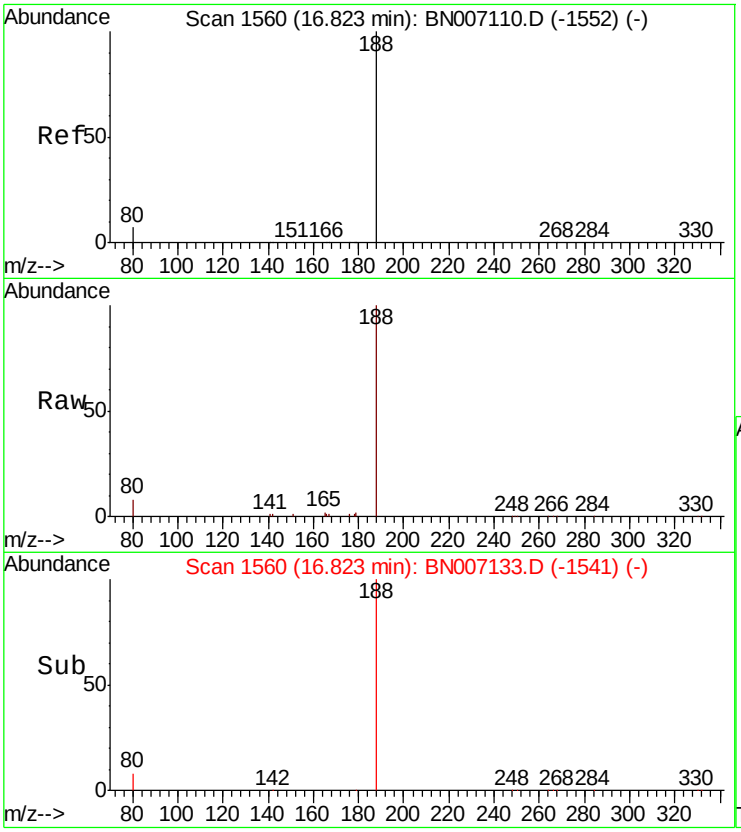


#17
Fluorene
Concen: 0.147 ng
RT: 15.13 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Tgt Ion:166 Resp: 15908

Ion	Ratio	Lower	Upper
166	100		
165	118.5	77.9	116.9#
167	15.7	10.9	16.3



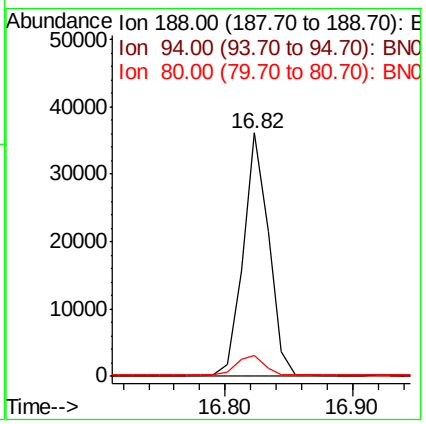


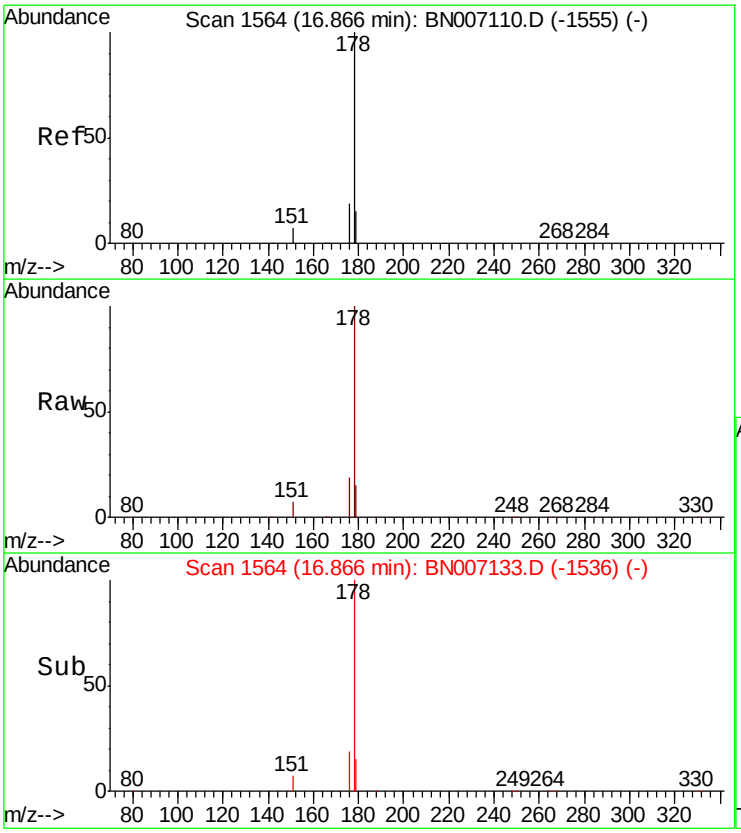
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:188 Resp: 50109

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.4	7.8	11.6

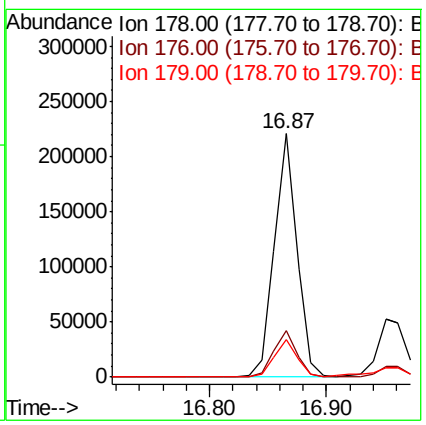


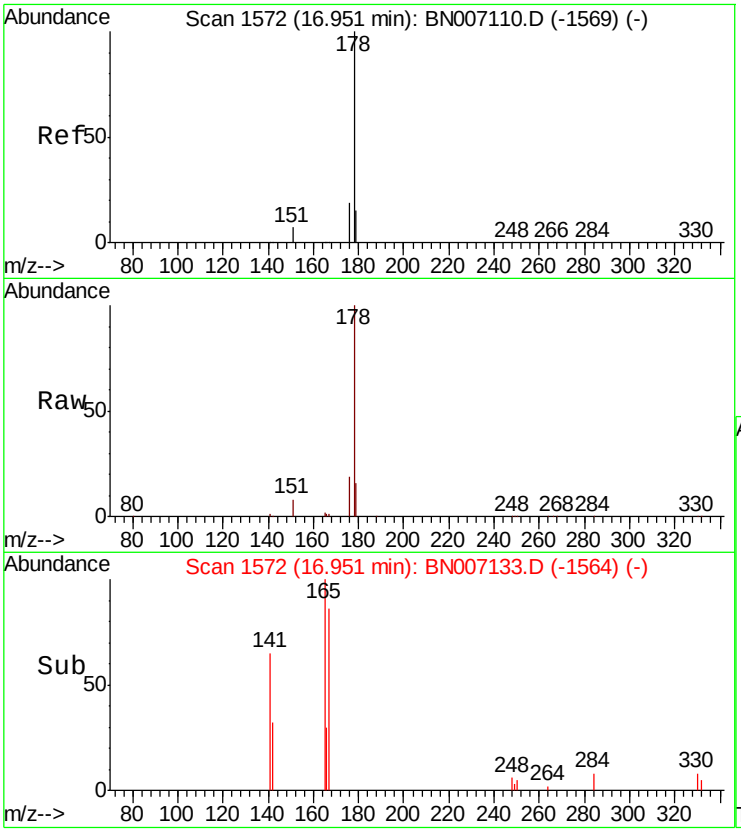


#22
Phenanthrene
Concen: 1.961 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Tgt Ion:178 Resp: 294484

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	15.6	12.3	18.5



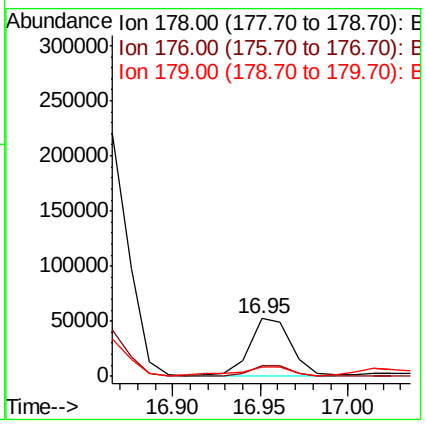


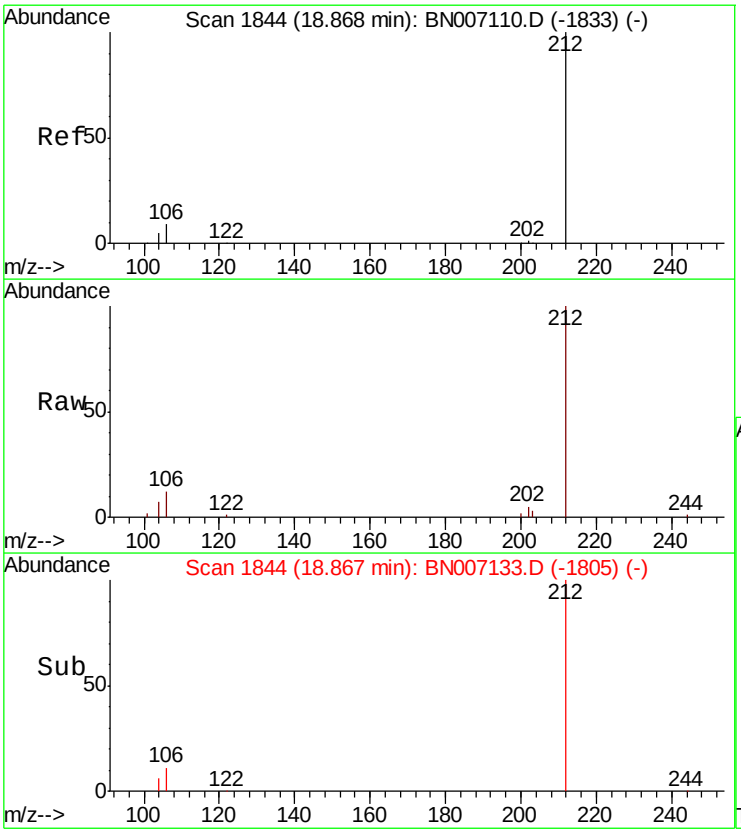
#23
Anthracene
Concen: 0.616 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp: 84485

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	18.0	12.5	18.7

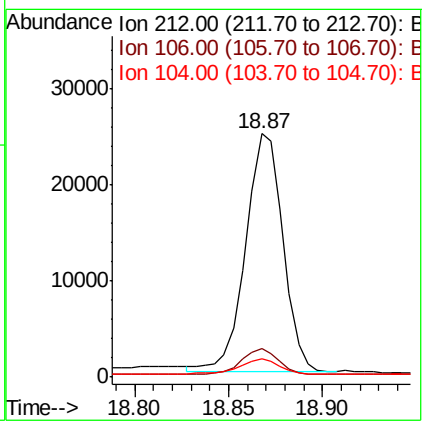


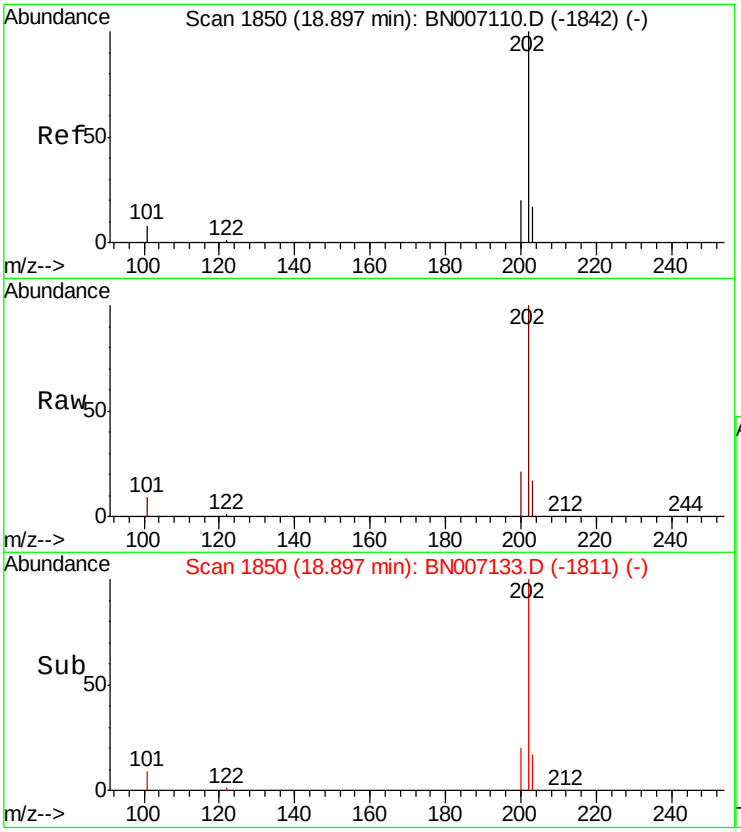


#24
Fluoranthene-d10
Concen: 0.191 ng
RT: 18.87 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Tgt Ion:212 Resp: 34016

Ion	Ratio	Lower	Upper
212	100		
106	10.5	8.2	12.2
104	6.8	4.5	6.7#



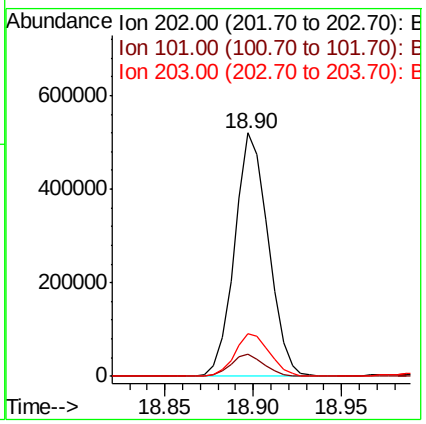


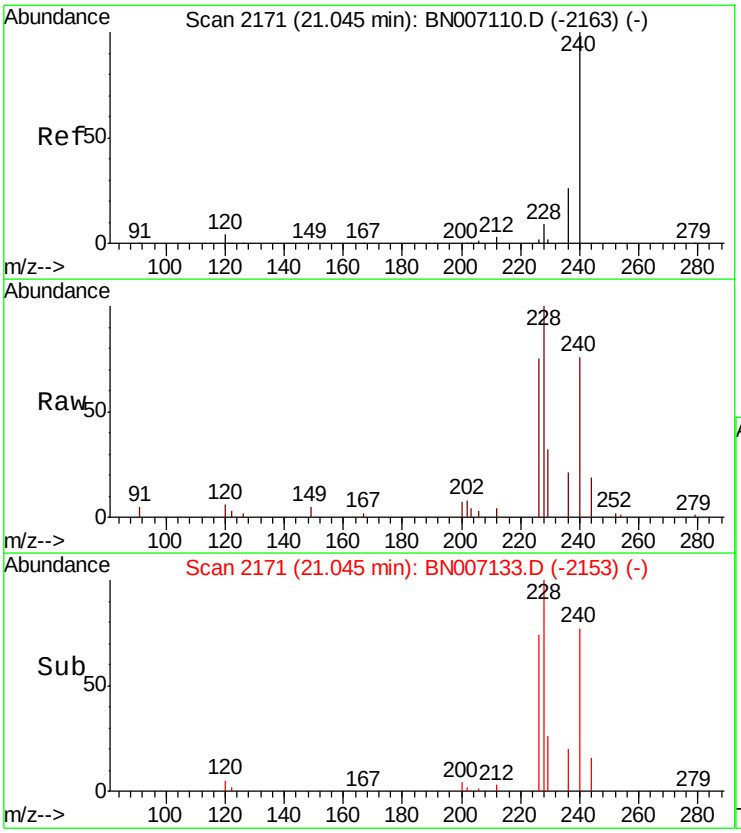
#25
Fluoranthene
Concen: 3.575 ng
RT: 18.90 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:202 Resp: 686694

Ion	Ratio	Lower	Upper
202	100		
101	8.9	7.0	10.4
203	17.7	13.8	20.8

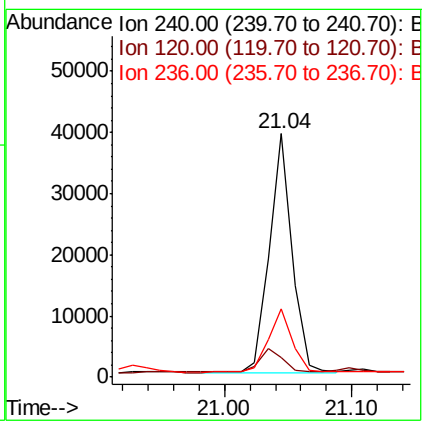


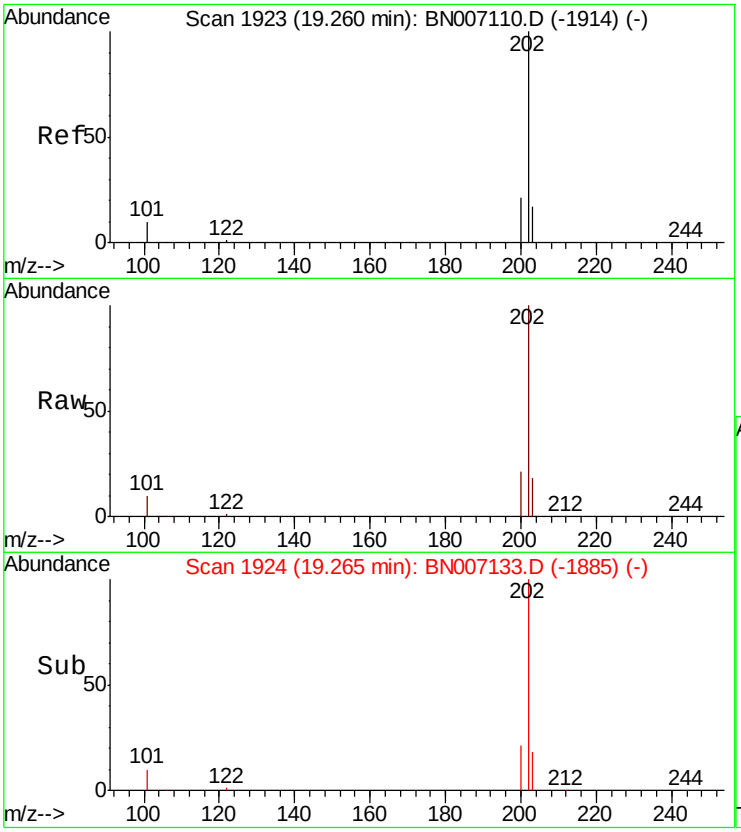


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.04 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Tgt Ion:240 Resp: 48320

Ion	Ratio	Lower	Upper
240	100		
120	8.0	4.0	6.0#
236	28.0	21.3	31.9



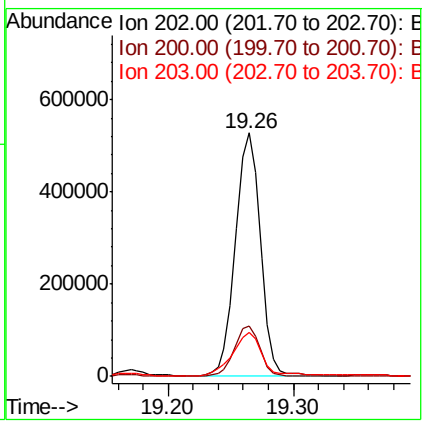


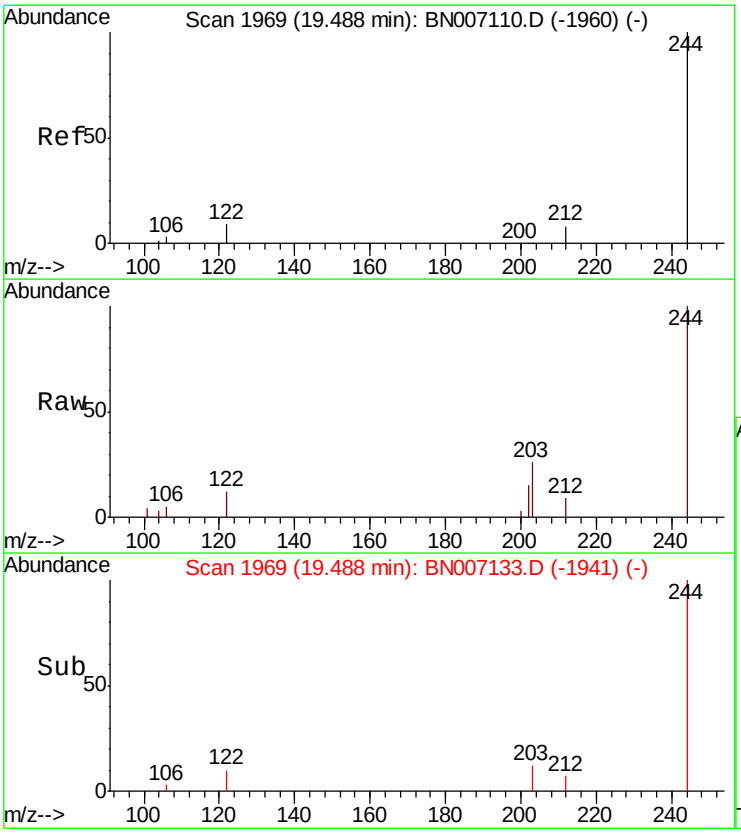
#27
Pyrene
Concen: 4.276 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:202 Resp: 724653

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	20.3	14.0	21.0

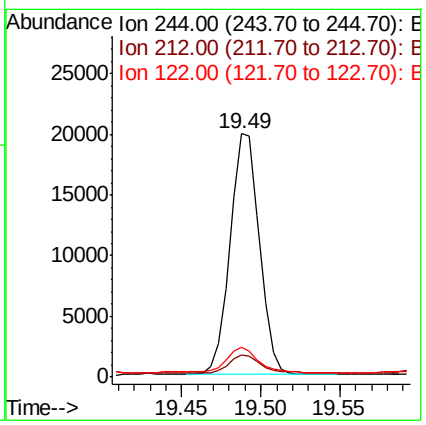


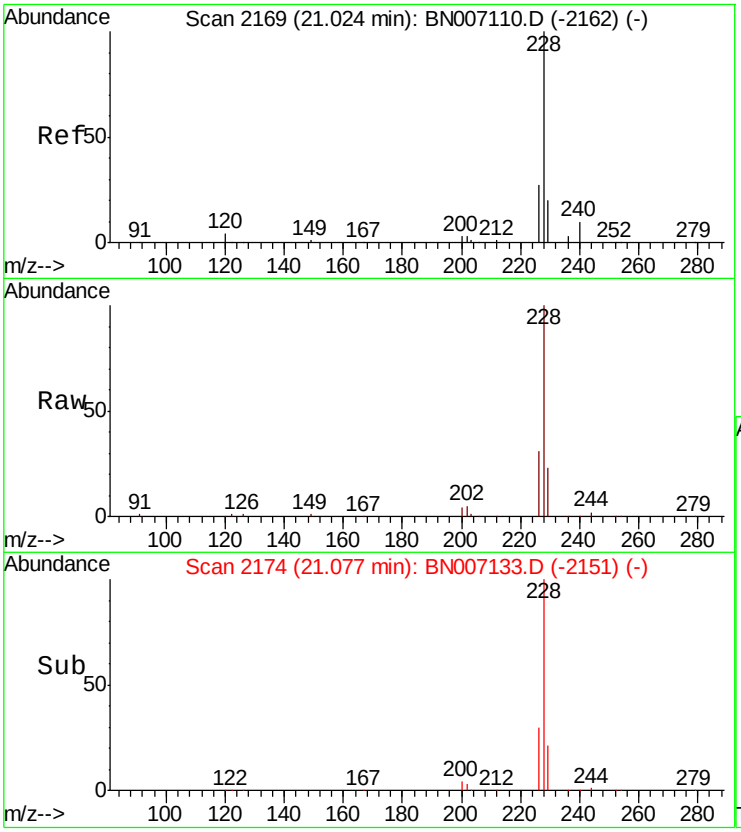


#28
Terphenyl-d14
Concen: 0.195 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Tgt Ion:244 Resp: 25644

Ion	Ratio	Lower	Upper
244	100		
212	9.3	6.2	9.2#
122	12.4	7.4	11.2#



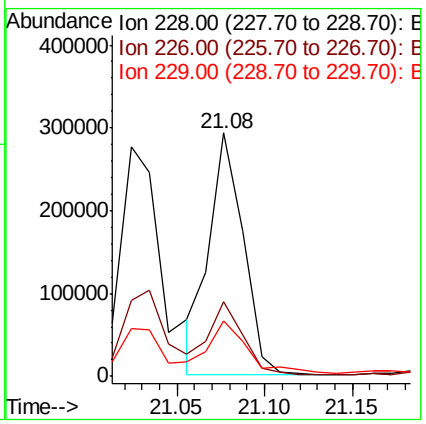


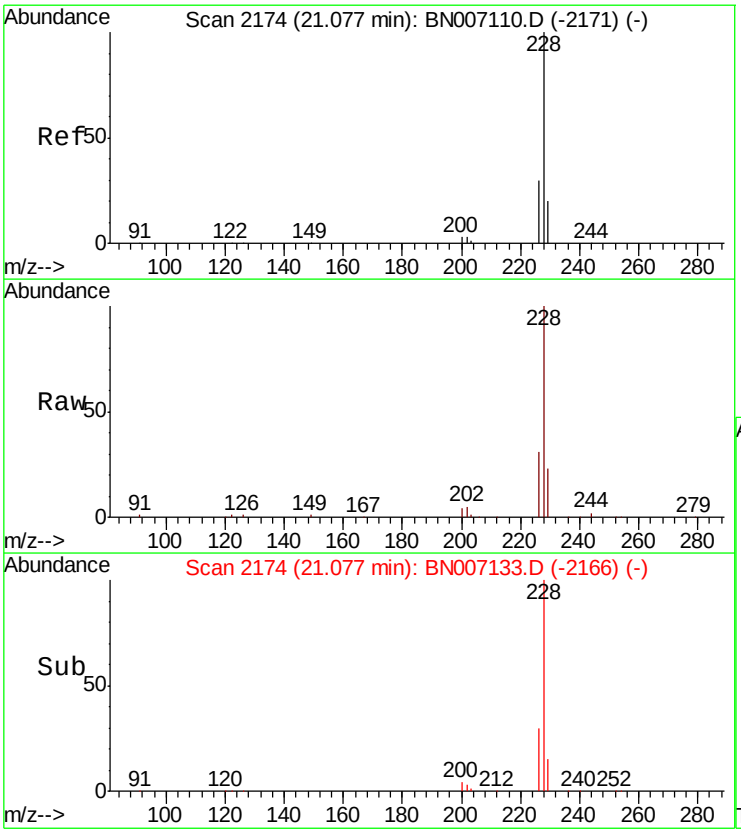
#29
Benzo(a)anthracene
Concen: 2.220 ng
RT: 21.08 min Scan# 2174
Delta R.T. 0.04 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 392329

Ion	Ratio	Lower	Upper
228	100		
226	30.7	21.8	32.6
229	22.7	15.6	23.4

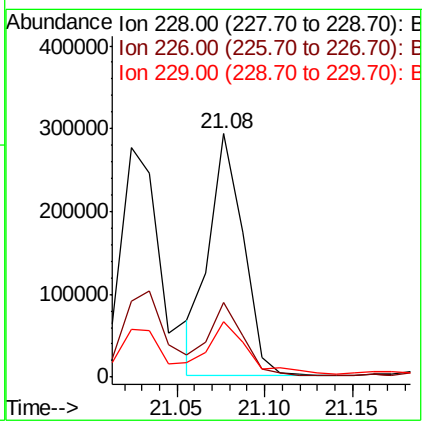


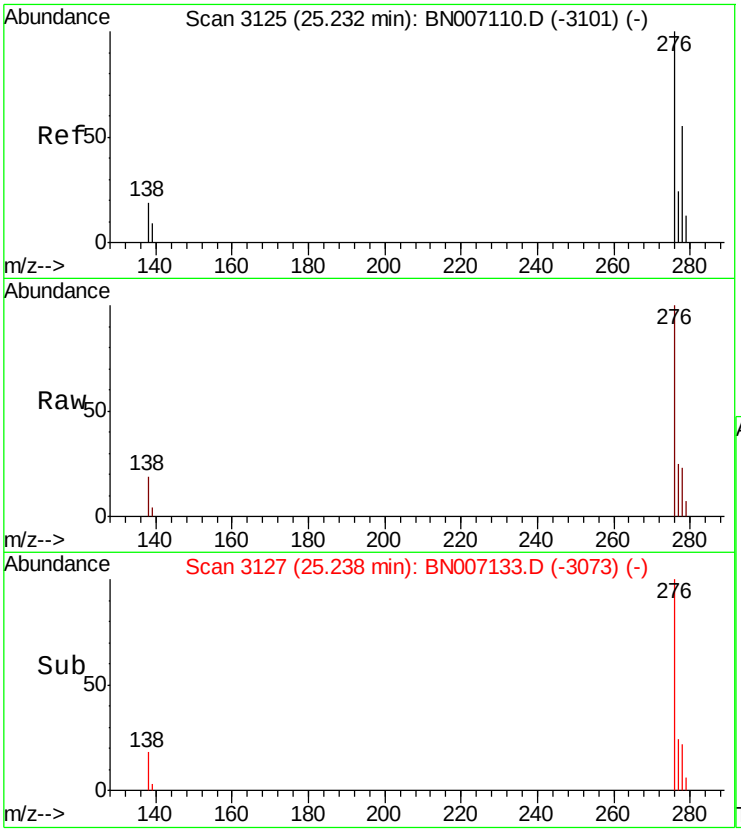


#30
Chrysene
Concen: 2.280 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Tgt Ion:228 Resp: 391407

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.8	35.6
229	22.7	15.7	23.5



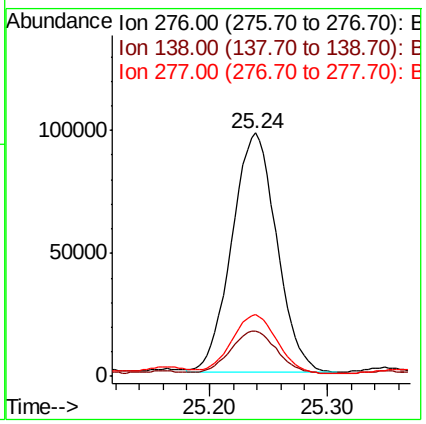


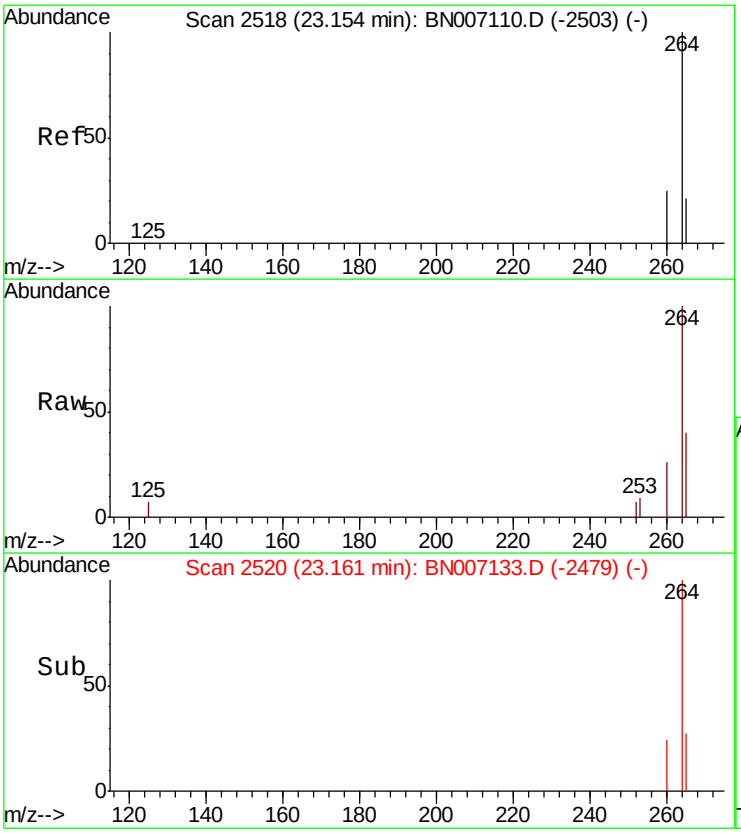
#31
Indeno(1,2,3-cd)pyrene
Concen: 1.356 ng
RT: 25.24 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 256684

Ion	Ratio	Lower	Upper
276	100		
138	18.4	16.0	24.0
277	24.9	19.9	29.9

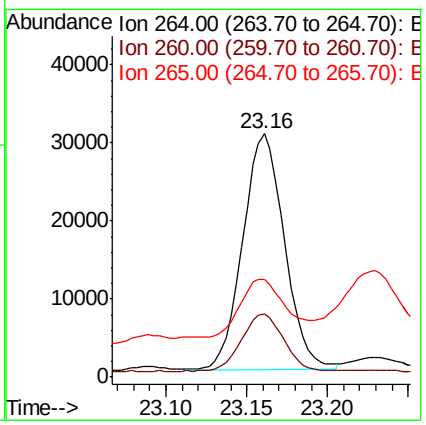


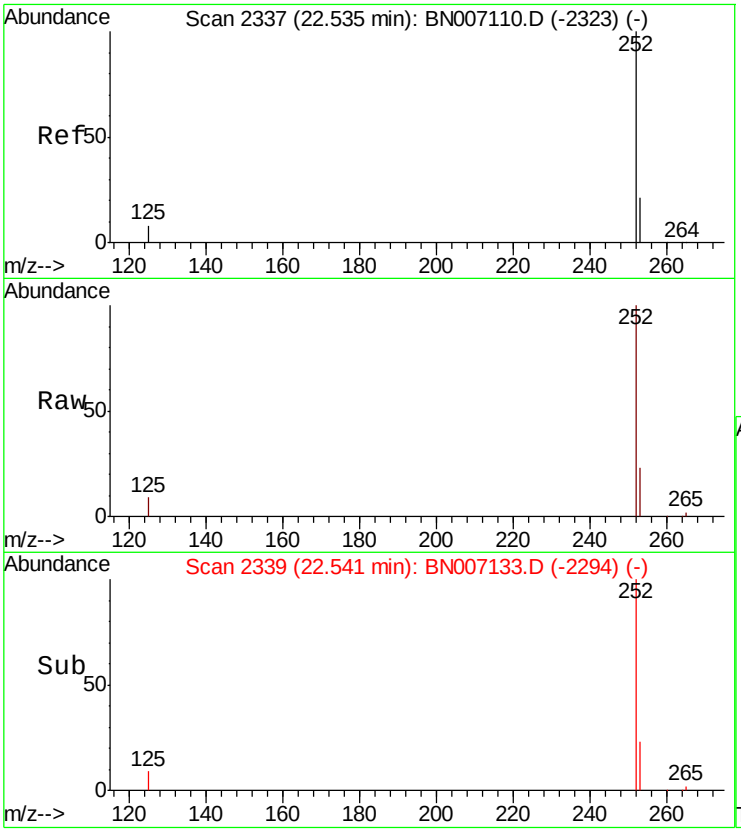


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Tgt Ion:264 Resp: 54406

Ion	Ratio	Lower	Upper
264	100		
260	26.1	19.8	29.8
265	40.3	26.2	39.4#



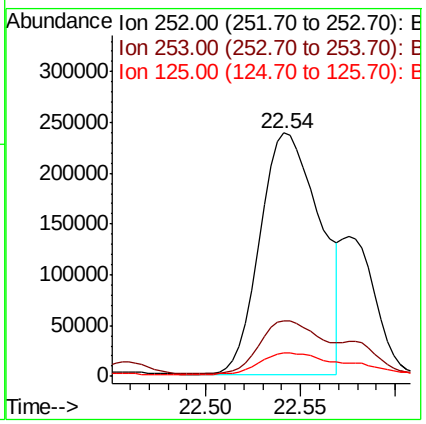


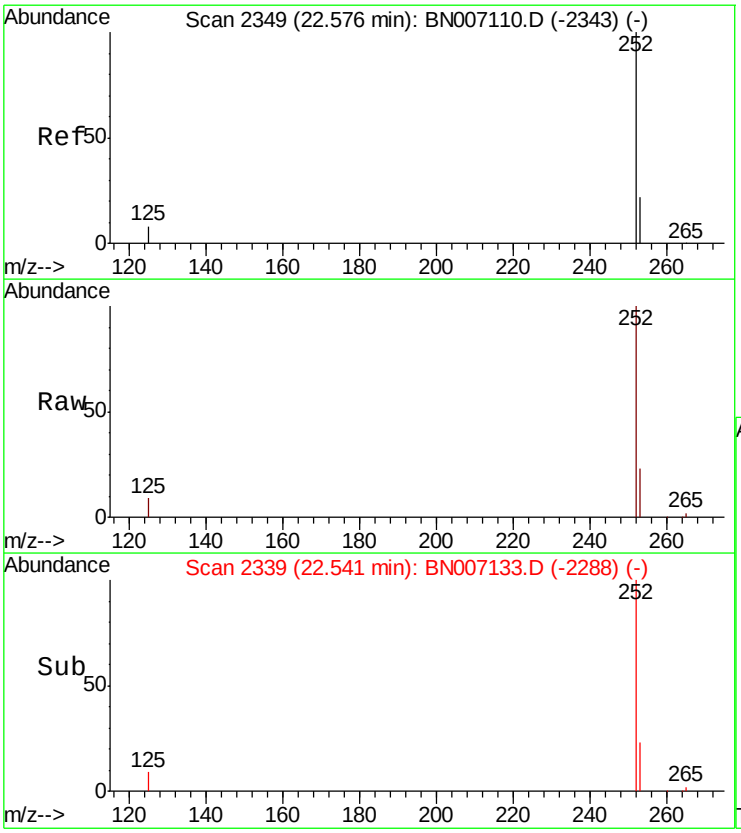
#33
Benzo(b)fluoranthene
Concen: 2.809 ng
RT: 22.54 min Scan# 2339
Delta R.T. -0.01 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 524012

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

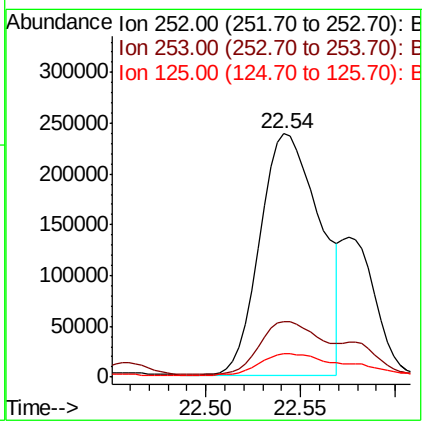


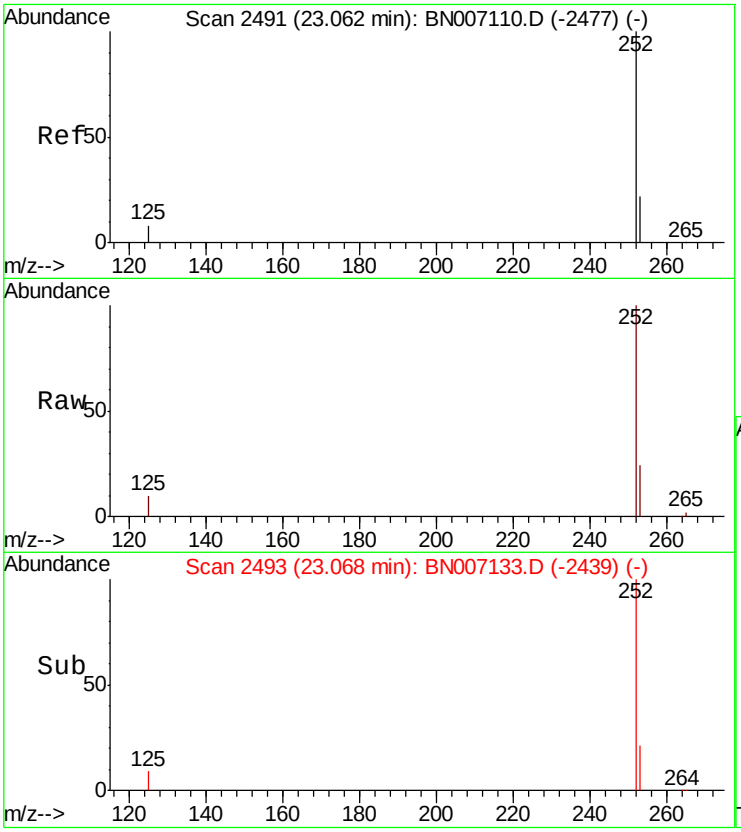


#34
Benzo(k)fluoranthene
Concen: 2.844 ng
RT: 22.54 min Scan# 2339
Delta R.T. -0.05 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Tgt Ion:252 Resp: 524012

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



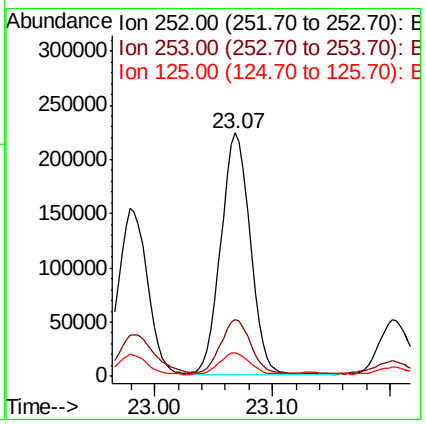


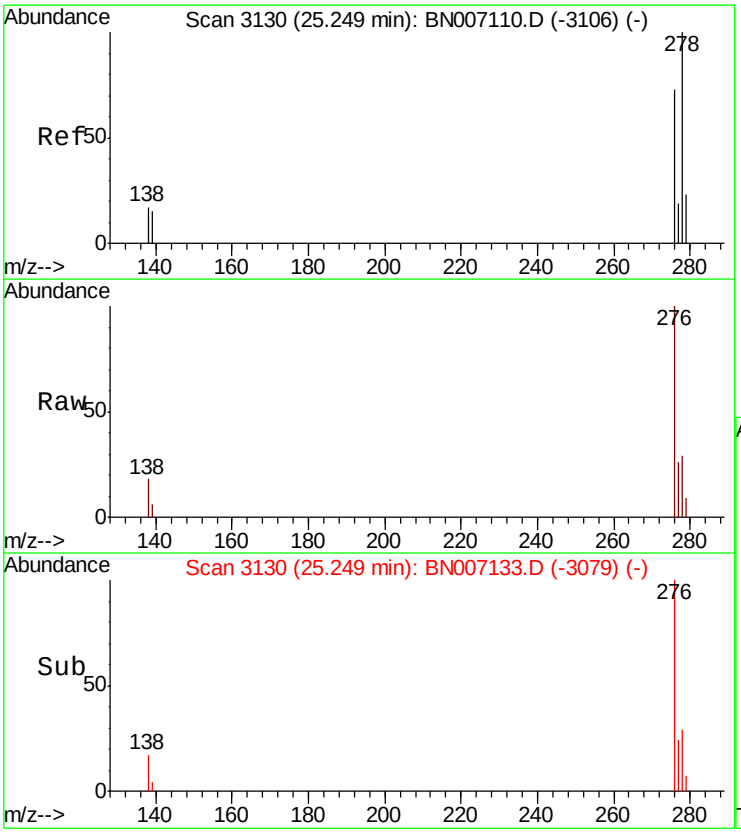
#35
Benzo(a)pyrene
Concen: 2.259 ng
RT: 23.07 min Scan# 2493
Delta R.T. -0.01 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 382106

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.5	27.7
125	9.7	8.2	12.4

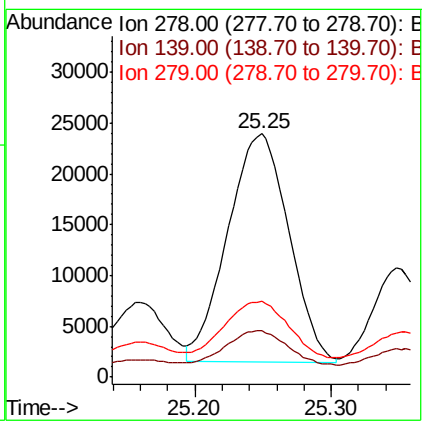


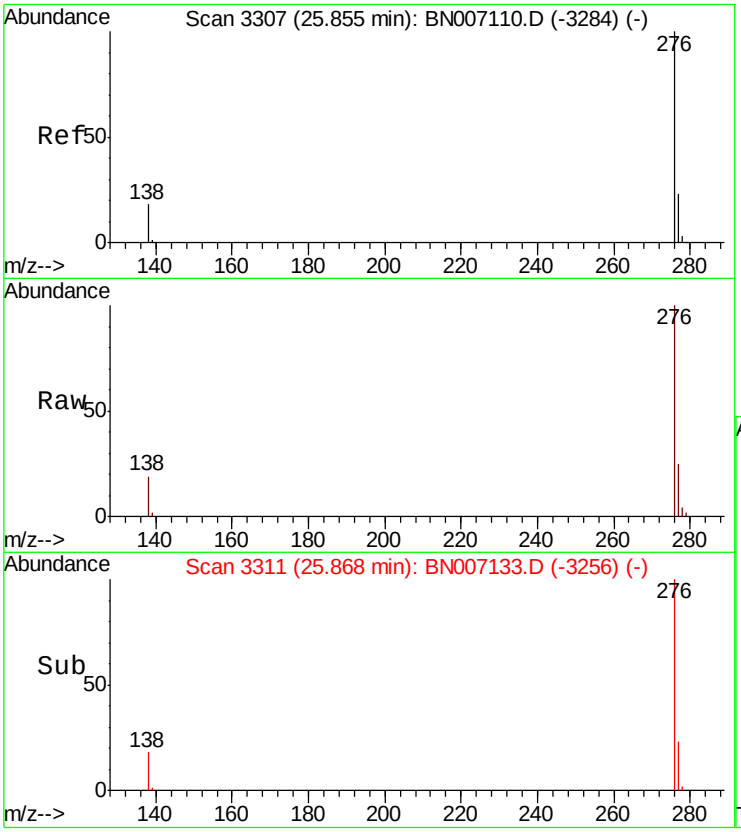


#36
Dibenzo(a,h)anthracene
Concen: 0.417 ng
RT: 25.25 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Tgt Ion:278 Resp: 70356

Ion	Ratio	Lower	Upper
278	100		
139	19.0	11.3	16.9#
279	30.9	19.3	28.9#





#37
Benzo(g,h,i)perylene
Concen: 1.441 ng
RT: 25.87 min Scan# 3311
Delta R.T. -0.01 min
Lab File: BN007133.D
Acq: 13 Aug 2019 15:55

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 250055

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.8	29.8
138	18.9	14.6	22.0