Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081319\
Data File : BN007151.D
Acq On : 14 Aug 2019 03:56
Operator : HP/JU
Sample : K4173-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : EXT-015-SW085-080119-1

Quant Time: Aug 14 09:10:12 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	9678	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	37692	0.40	ng		0.00
12) Acenaphthene-d10	14.08	164	23047	0.40	ng		0.00
18) Phenanthrene-d10	16.82	188	48436	0.40	ng		0.00
26) Chrysene-d12	21.05	240	55783	0.40	ng		-0.01
32) Perylene-d12	23.16	264	74374	0.40	ng		-0.01
System Monitoring Compounds							
3) 2-Fluorophenol	5.06	112	4054	0.17	ng		0.00
4) Phenol-d6	6.61	99	5515	0.19	ng		0.00
7) Nitrobenzene-d5	8.56	82	4430	0.15	ng		0.00
10) 2-Methylnaphthalene-d10	11.79	152	9430	0.13	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	1630	0.13	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	2361	0.07	ng		0.00
24) Fluoranthene-d10	18.87	212	21670m	0.13	ng		0.00
28) Terphenyl-d14	19.49	244	23101	0.15	ng		-0.01
Target Compounds							Qvalue
8) Naphthalene	10.24	128	120428	1.139	ng		99
11) 2-Methylnaphthalene	11.86	142	91355	1.220	ng		97
15) Acenaphthylene	13.79	152	1120855	9.305	ng		99
16) Acenaphthene	14.13	154	122303	1.585	ng		98
17) Fluorene	15.13	166	293939	2.546	ng		87
22) Phenanthrene	16.87	178	5545183	38.201	ng		99
23) Anthracene	16.96	178	1363889	10.284	ng		99
25) Fluoranthene	18.90	202	7348423	39.575	ng		96
27) Pyrene	19.27	202	10388118	53.102	ng	#	93
29) Benzo(a)anthracene	21.03	228	5269267m	25.830	ng		
30) Chrysene	21.08	228	5526341	27.882	ng		95
31) Indeno(1,2,3-cd)pyrene	25.25	276	2926928	13.399	ng		98
33) Benzo(b)fluoranthene	22.55	252	5363169	21.029	ng		99
34) Benzo(k)fluoranthene	22.58	252	1815712m	7.209	ng		
35) Benzo(a)pyrene	23.08	252	4511070	19.511	ng		99
36) Dibenzo(a,h)anthracene	25.26	278	848541	3.678	ng	#	92
37) Benzo(g,h,i)perylene	25.88	276	3274716	13.800	ng		99

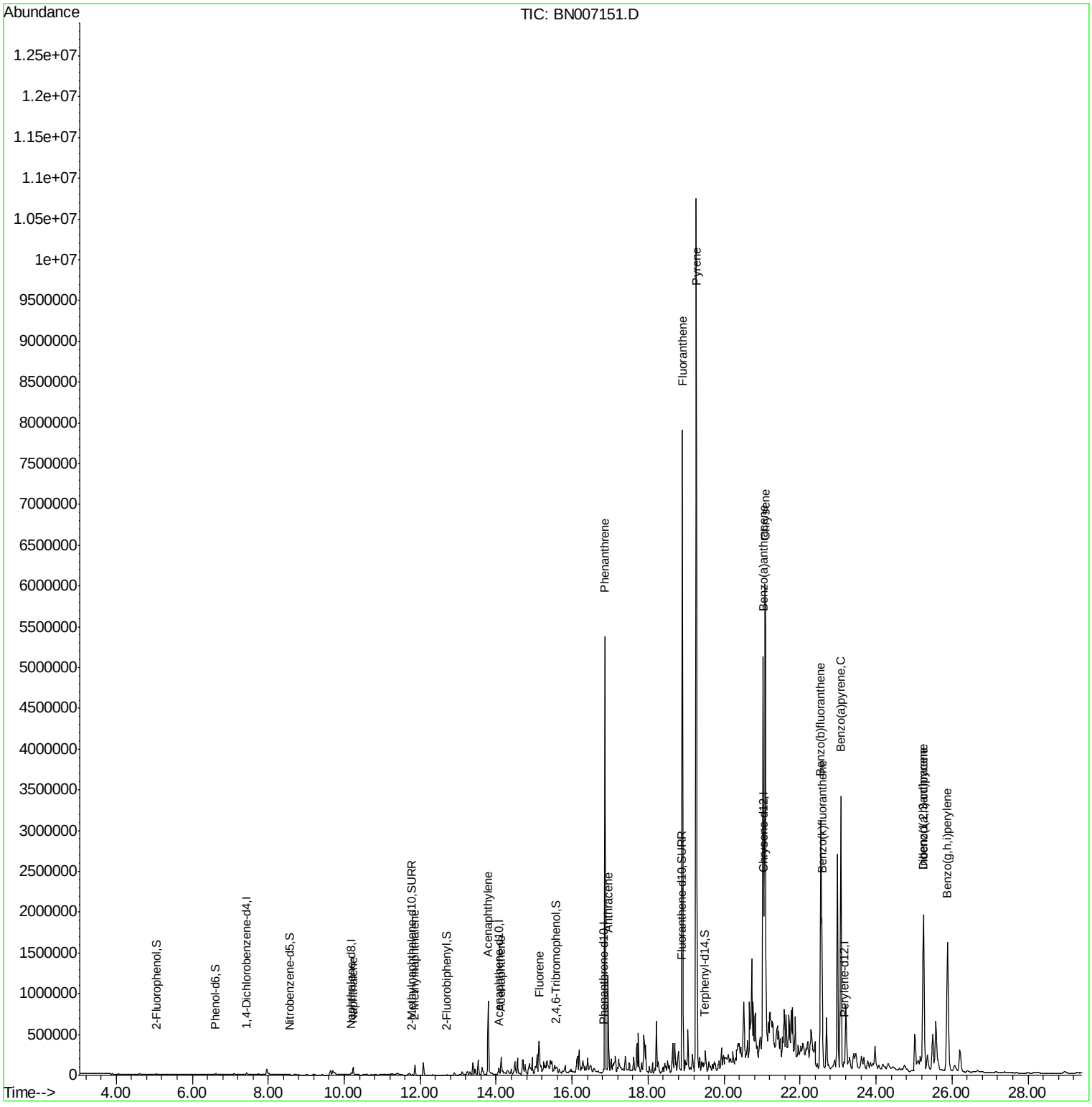
(#) = qualifier out of range (m) = manual integration (+) = signals summed

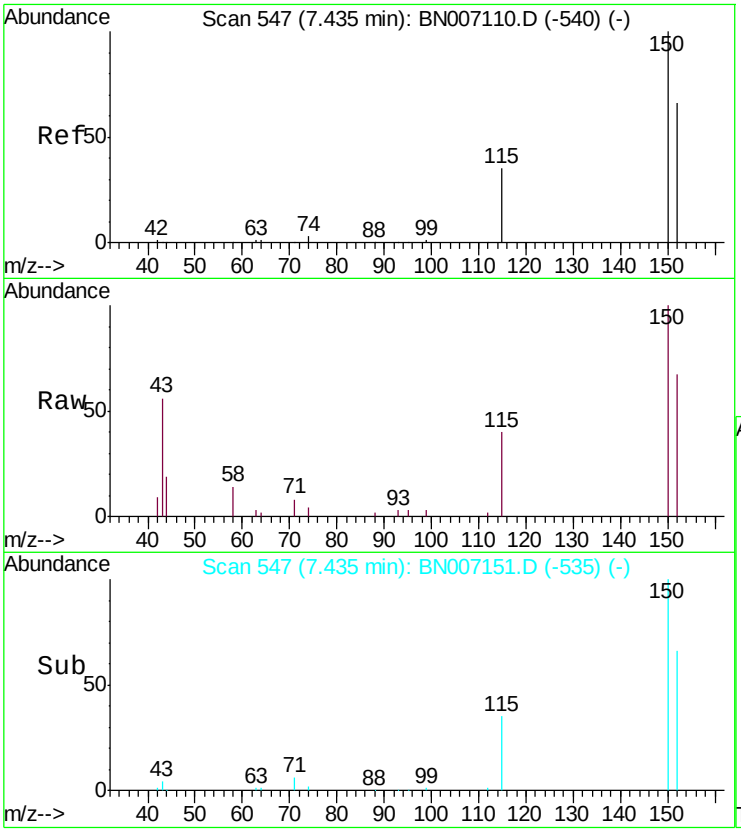
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081319\
Data File : BN007151.D
Acq On : 14 Aug 2019 03:56
Operator : HP/JU
Sample : K4173-16
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-1

Quant Time: Aug 14 09:10:12 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



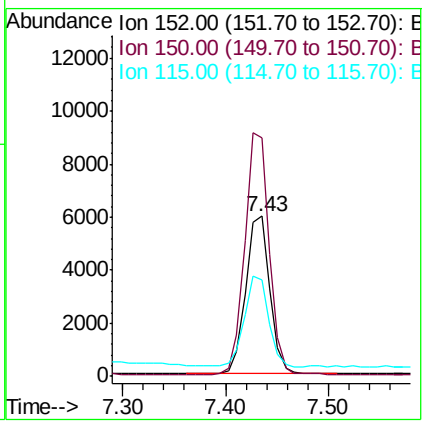


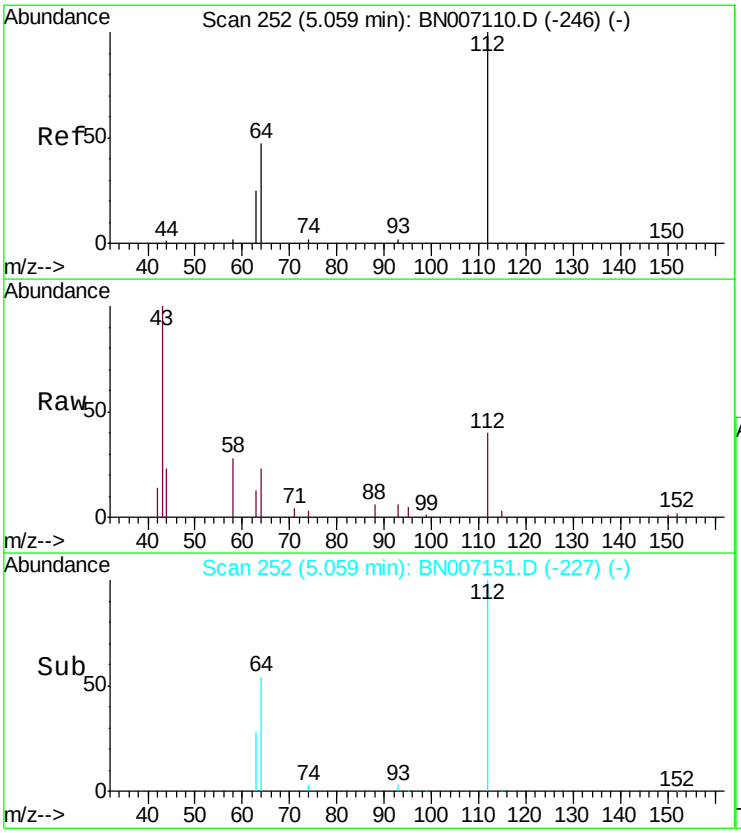
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-1

Tgt Ion:152 Resp: 9678

Ion	Ratio	Lower	Upper
152	100		
150	149.4	121.7	182.5
115	60.2	46.2	69.4

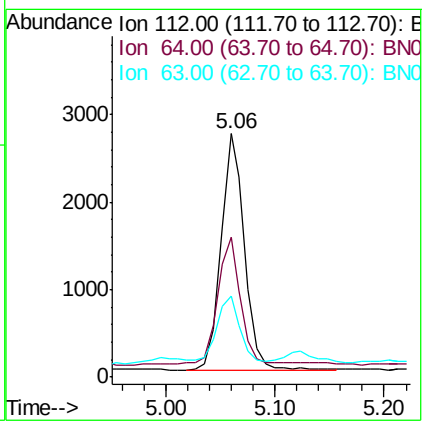


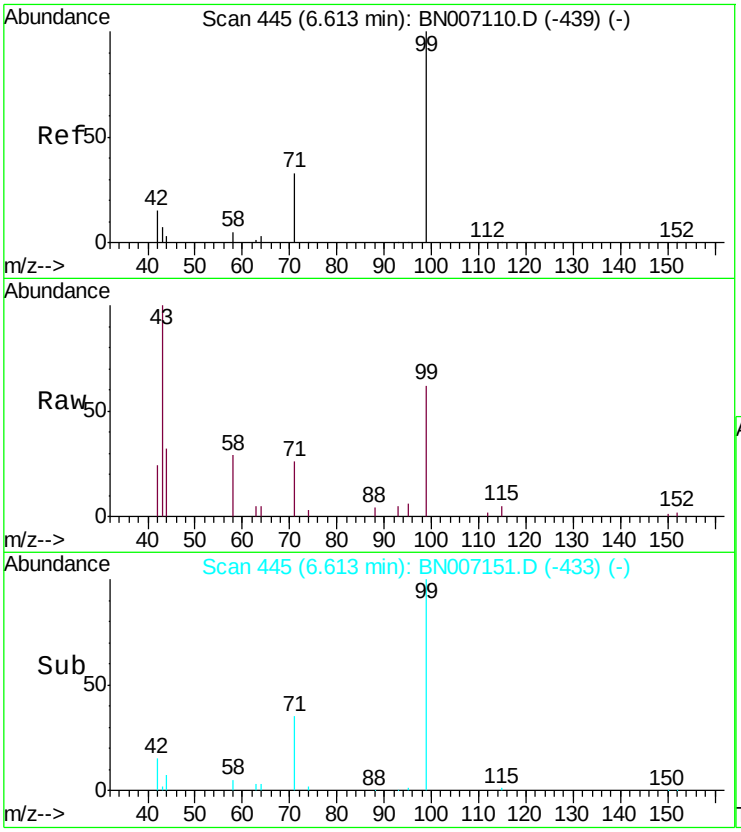


#3
2-Fluorophenol
Concen: 0.174 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Tgt Ion:112 Resp: 4054

Ion	Ratio	Lower	Upper
112	100		
64	53.9	42.6	63.8
63	28.9	22.2	33.2



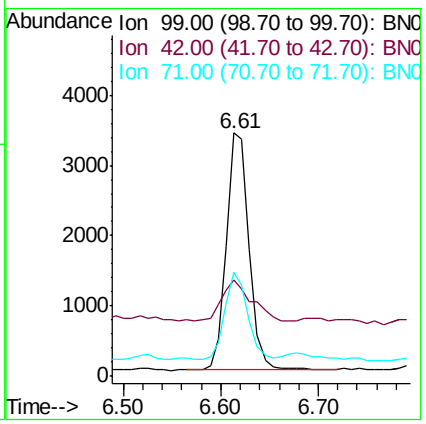


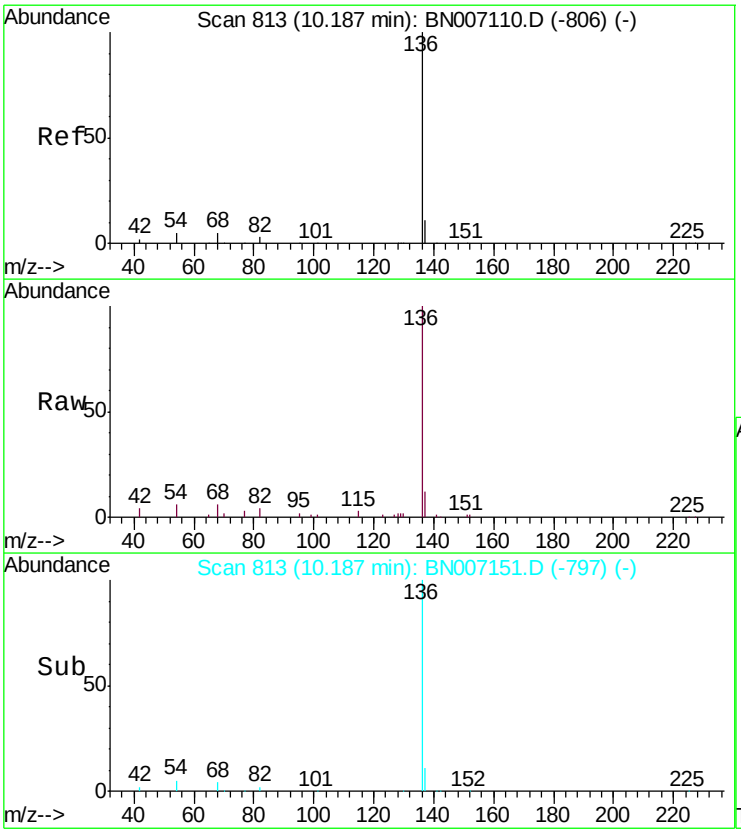
#4
Phenol-d6
Concen: 0.191 ng
RT: 6.61 min Scan# 445
Delta R.T. -0.00 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-1

Tgt Ion: 99 Resp: 5515

Ion	Ratio	Lower	Upper
99	100		
42	23.7	15.8	23.6#
71	36.9	27.0	40.4

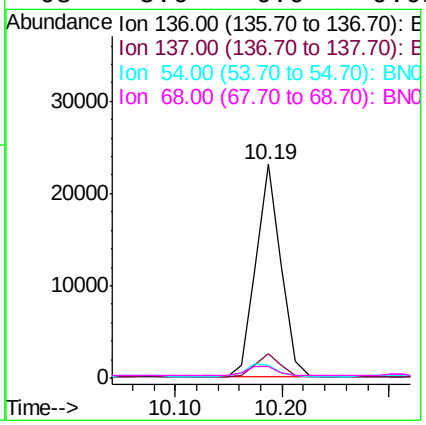


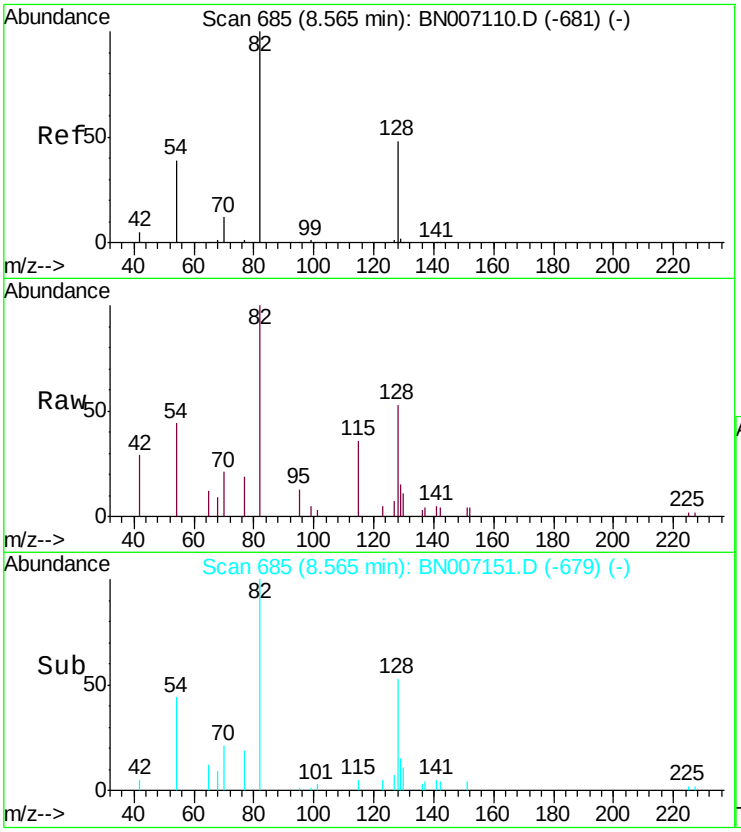


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Tgt Ion:136 Resp: 37692

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.4	14.0
54	6.1	6.6	9.8#
68	5.6	6.0	9.0#



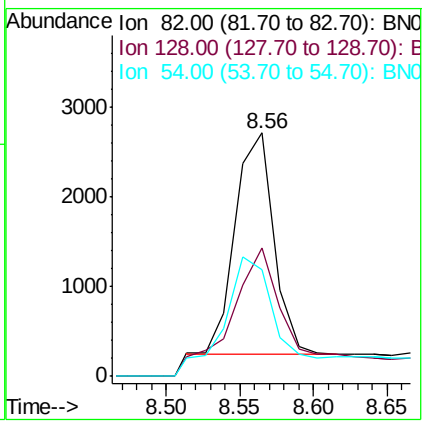


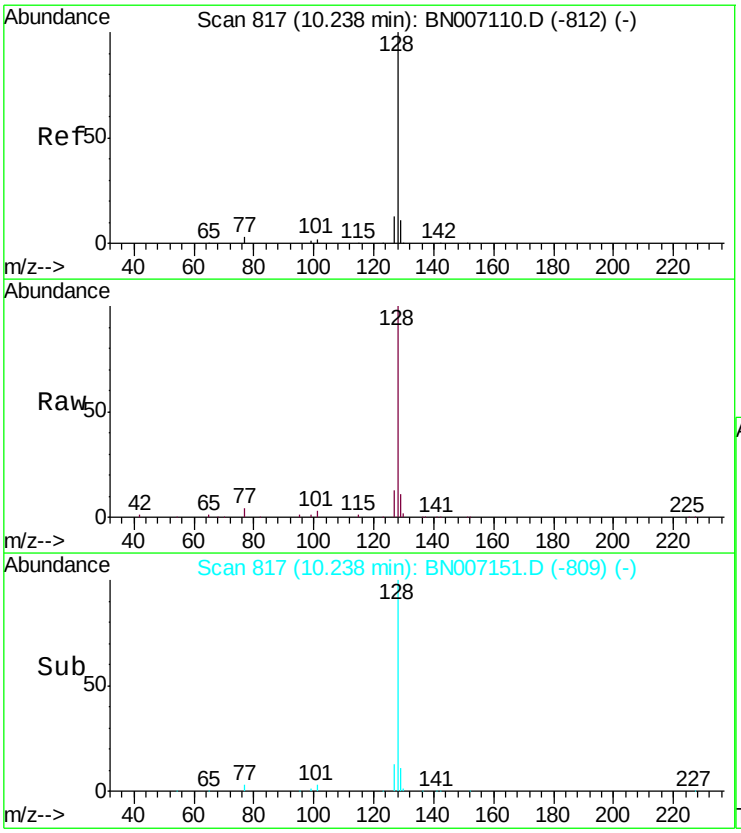
#7
Nitrobenzene-d5
Concen: 0.146 ng
RT: 8.56 min Scan# 685
Delta R.T. -0.00 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-1

Tgt Ion: 82 Resp: 4430

Ion	Ratio	Lower	Upper
82	100		
128	52.8	34.6	51.8#
54	43.6	36.2	54.4

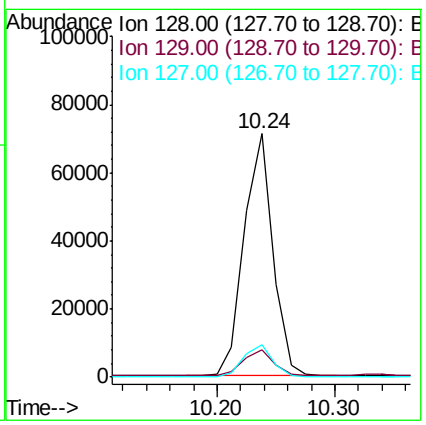


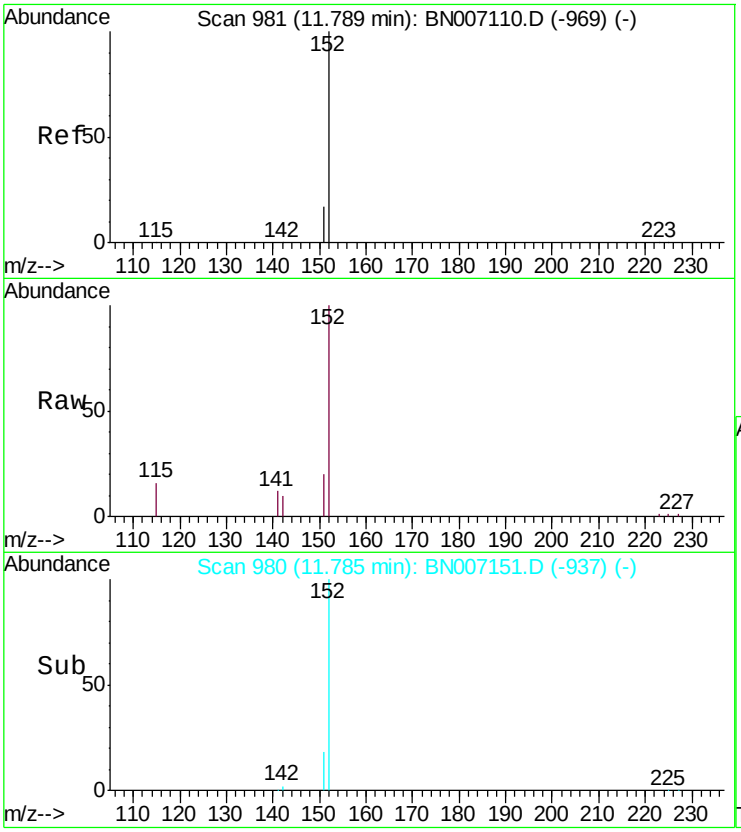


#8
Naphthalene
Concen: 1.139 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Tgt Ion:128 Resp: 120428

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.4	14.2
127	13.1	11.0	16.6



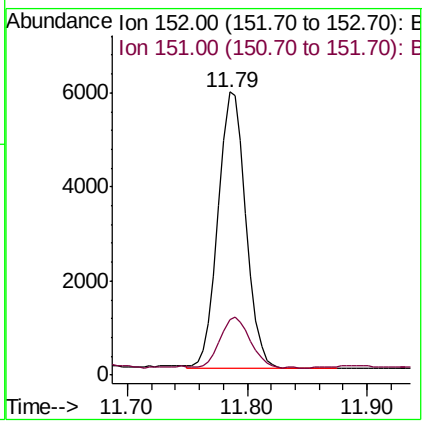


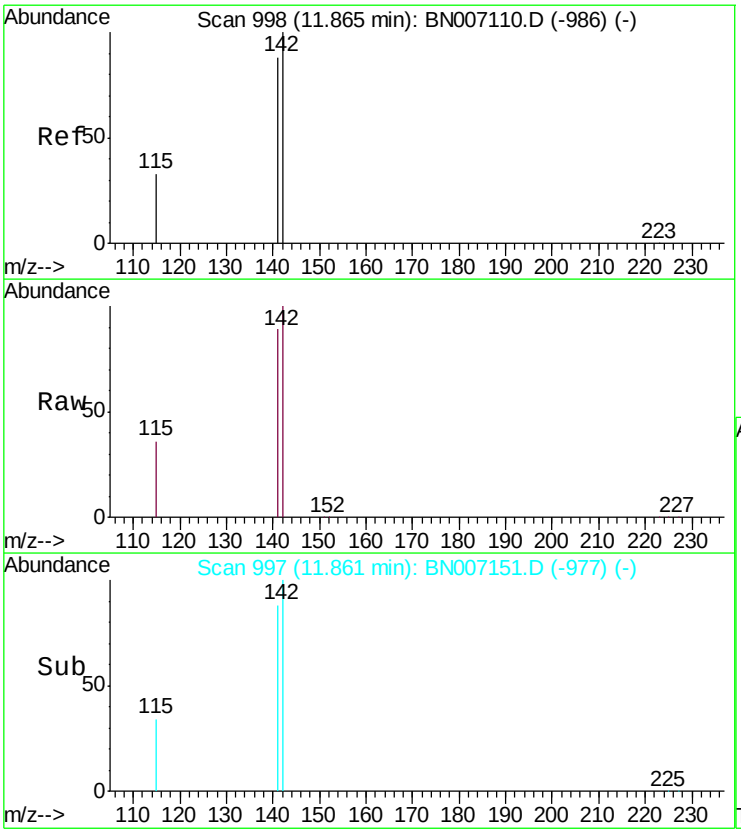
#10
2-Methylnaphthalene-d10
Concen: 0.134 ng
RT: 11.79 min Scan# 980
Delta R.T. -0.01 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-1

Tgt Ion:152 Resp: 9430

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.5	23.3

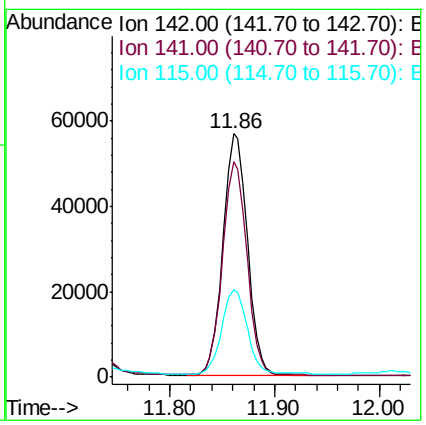


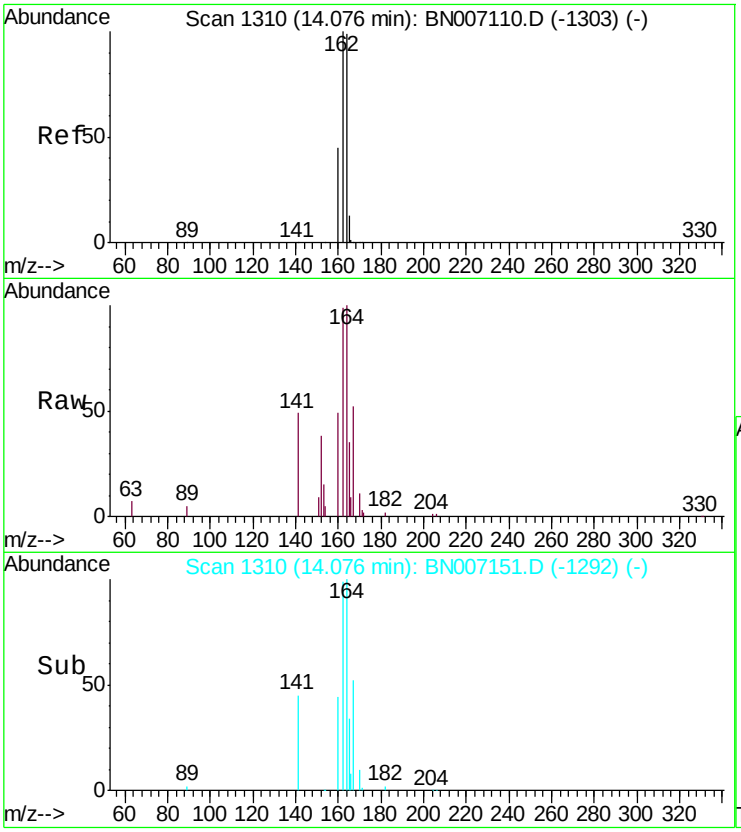


#11
2-Methylnaphthalene
Concen: 1.220 ng
RT: 11.86 min Scan# 997
Delta R.T. -0.01 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Tgt Ion:142 Resp: 91355

Ion	Ratio	Lower	Upper
142	100		
141	88.6	69.0	103.6
115	36.0	27.1	40.7



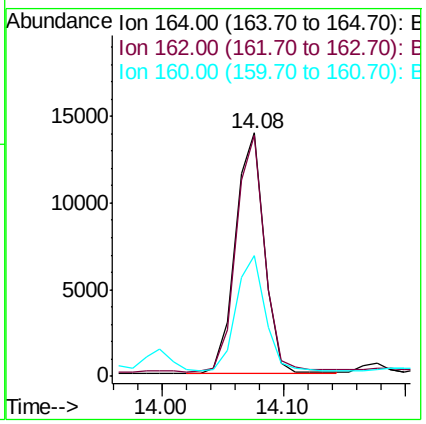


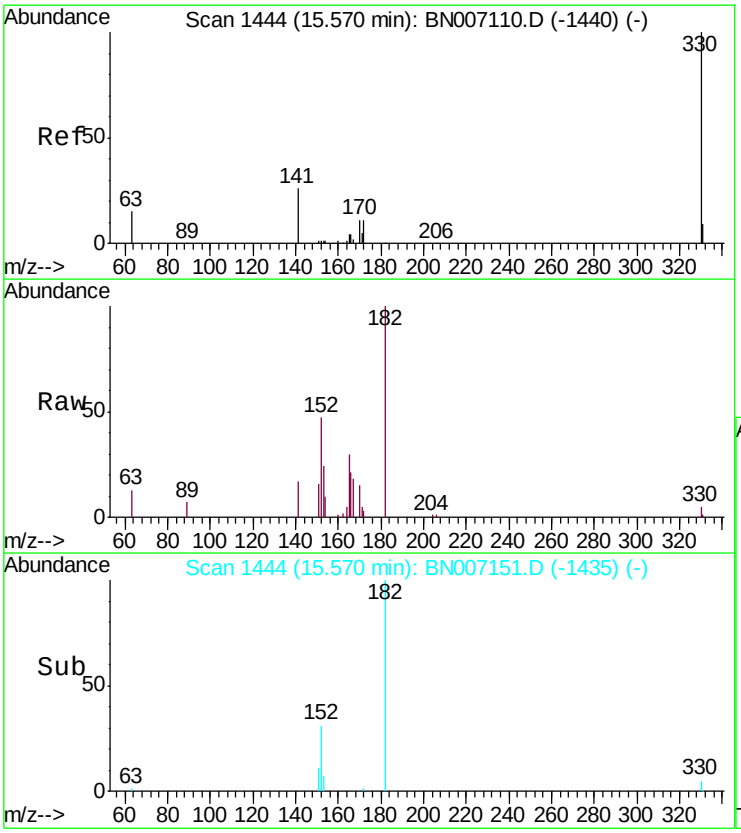
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-1

Tgt Ion:164 Resp: 23047

Ion	Ratio	Lower	Upper
164	100		
162	99.2	82.2	123.4
160	49.3	38.3	57.5

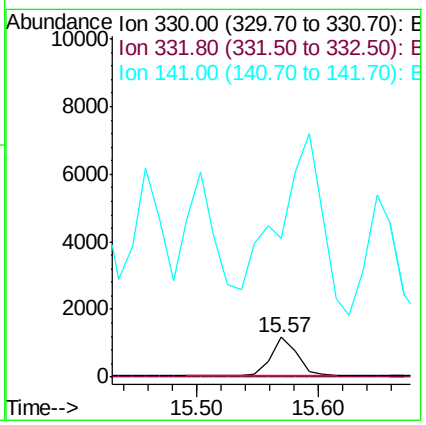


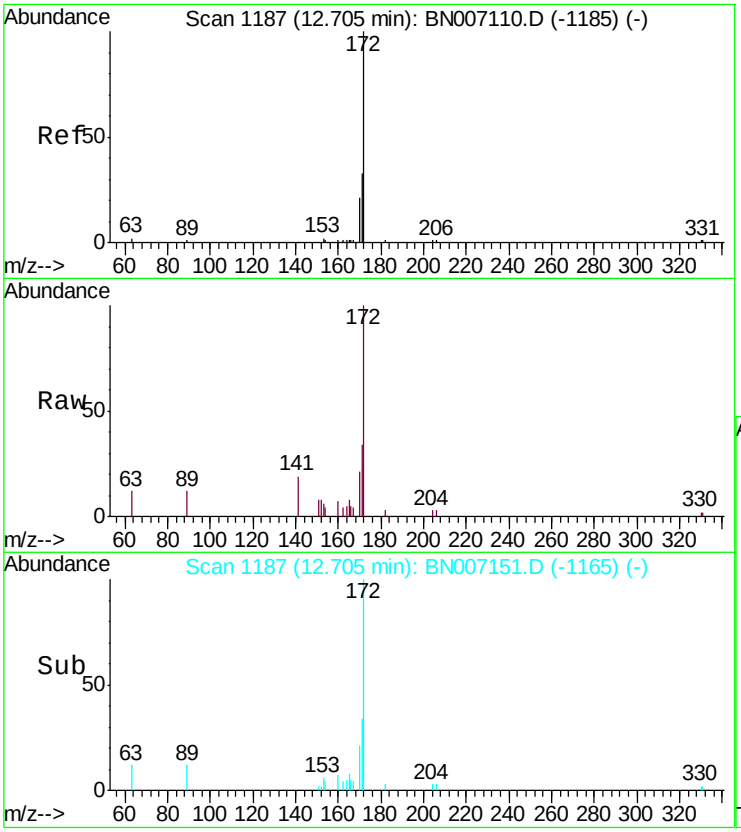


#13
2,4,6-Tribromophenol
Concen: 0.131 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Tgt Ion:330 Resp: 1630

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



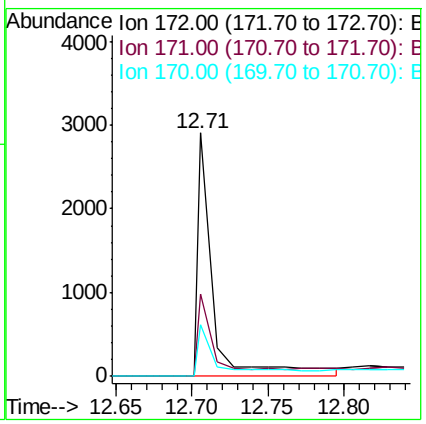


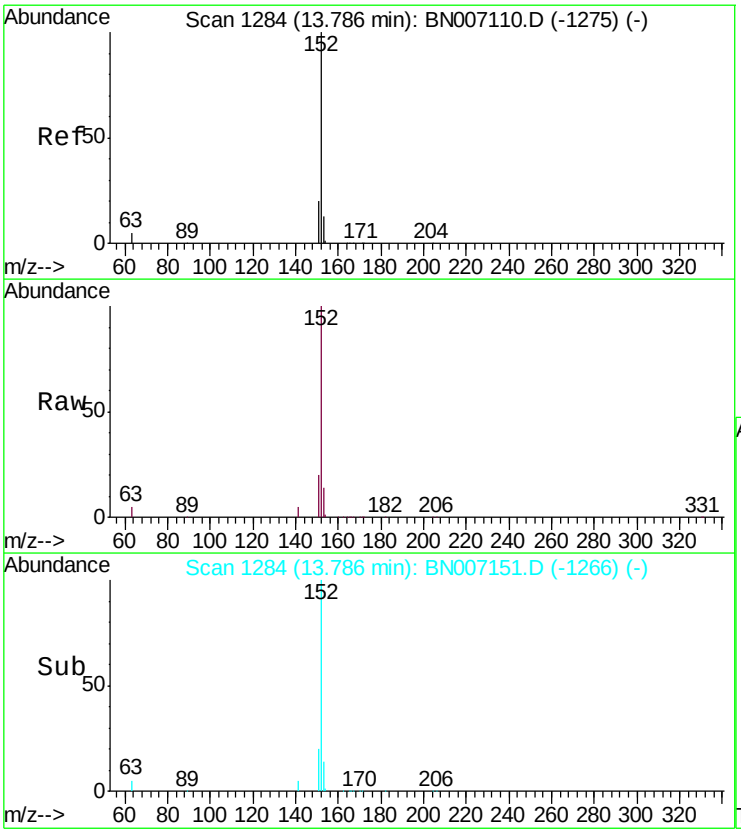
#14
2-Fluorobiphenyl
Concen: 0.070 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-1

Tgt Ion:172 Resp: 2361

Ion	Ratio	Lower	Upper
172	100		
171	33.6	26.3	39.5
170	21.5	17.0	25.4

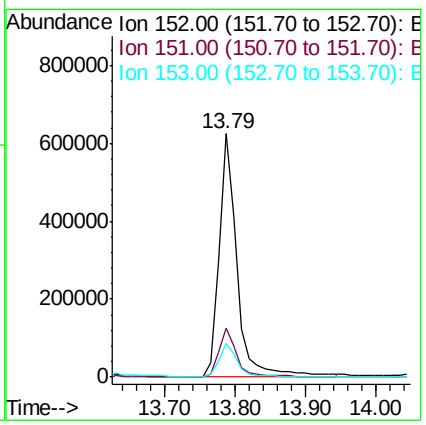


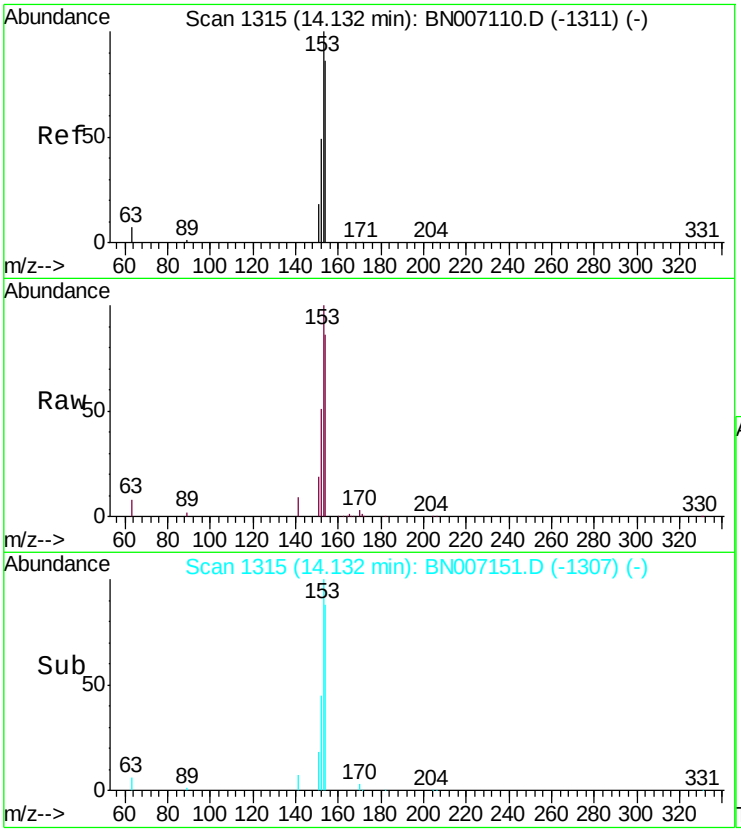


#15
Acenaphthylene
Concen: 9.305 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Tgt Ion:152 Resp: 1120855

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	14.0	10.4	15.6



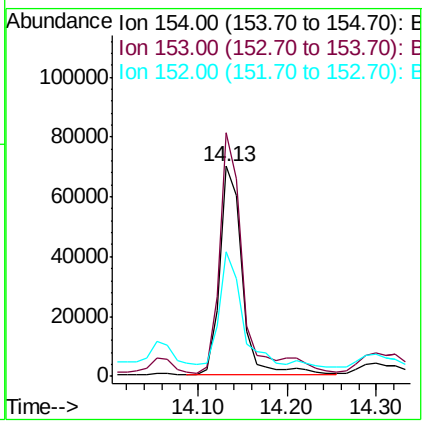


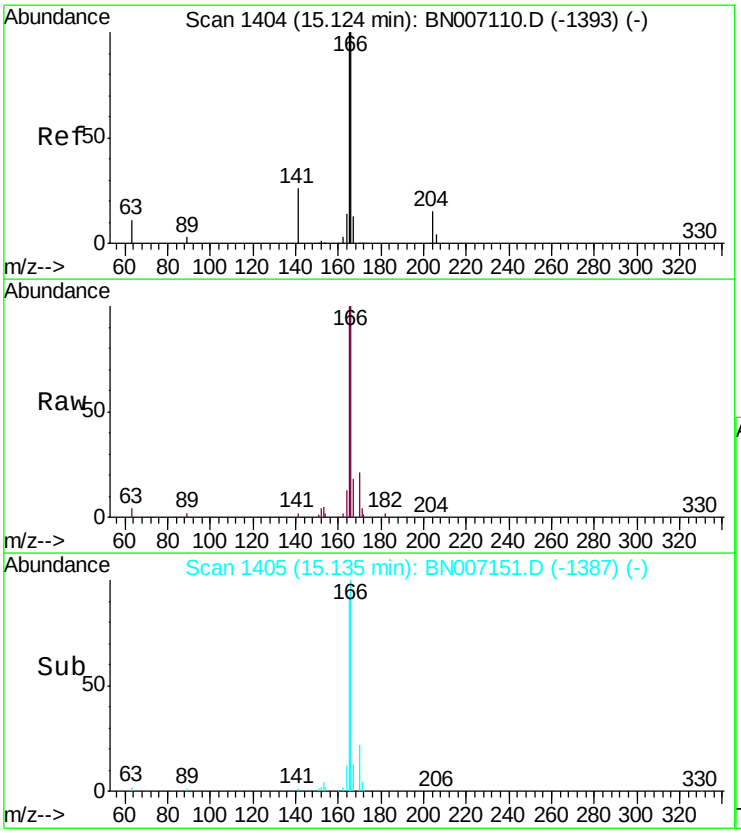
#16
Acenaphthene
Concen: 1.585 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-1

Tgt Ion:154 Resp: 122303

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.5	134.3
152	52.7	44.8	67.2

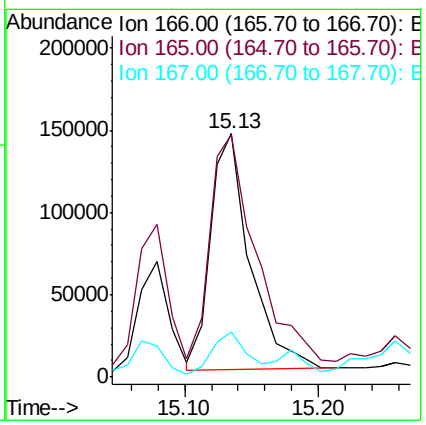


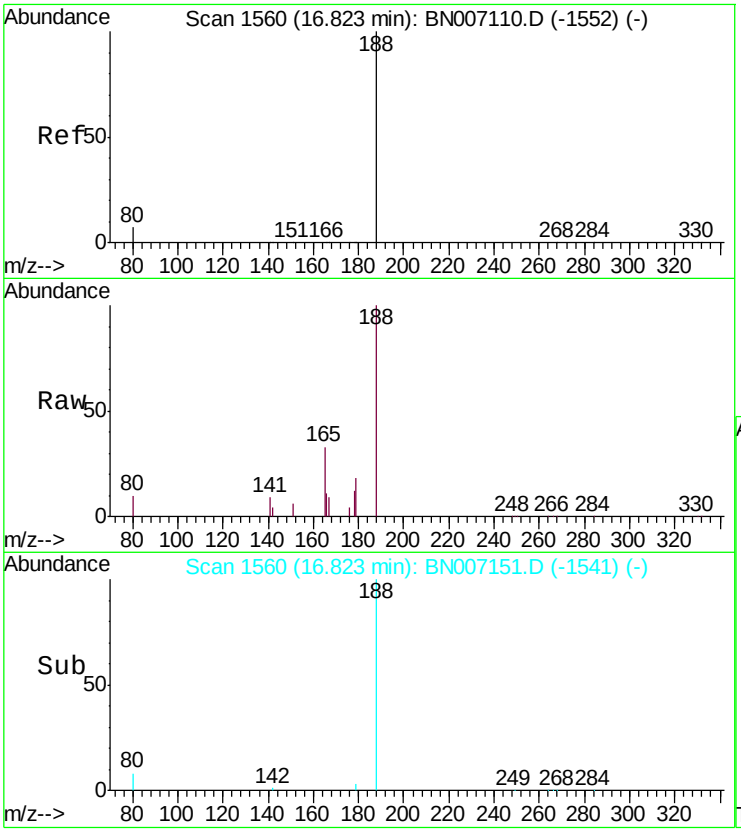


#17
Fluorene
Concen: 2.546 ng
RT: 15.13 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Tgt Ion:166 Resp: 293939

Ion	Ratio	Lower	Upper
166	100		
165	112.0	77.9	116.9
167	15.1	10.9	16.3



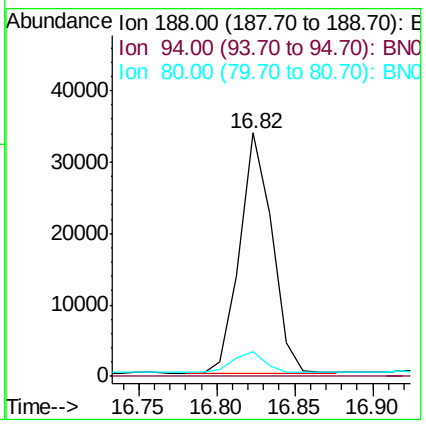


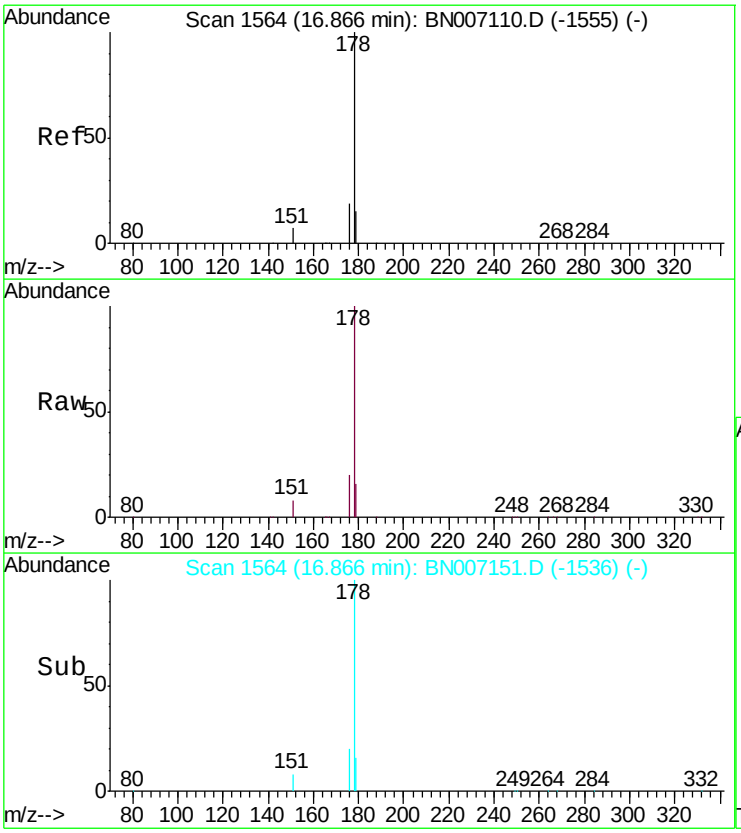
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-1

Tgt Ion:188 Resp: 48436

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.0	7.8	11.6

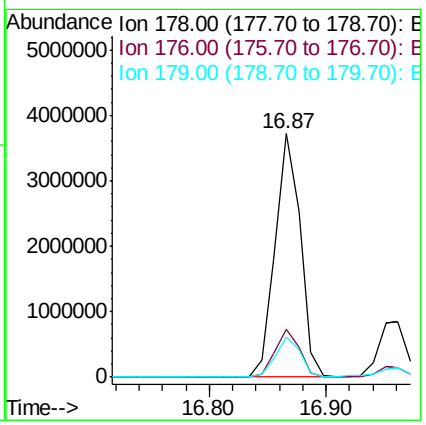


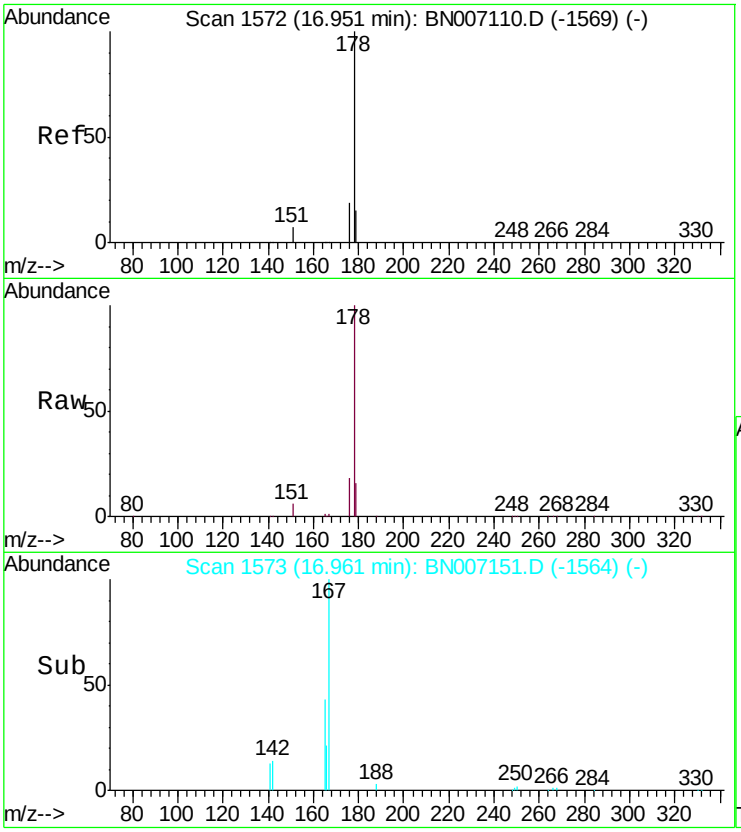


#22
Phenanthrene
Concen: 38.201 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Tgt Ion:178 Resp: 5545183

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.2	22.8
179	16.4	12.3	18.5



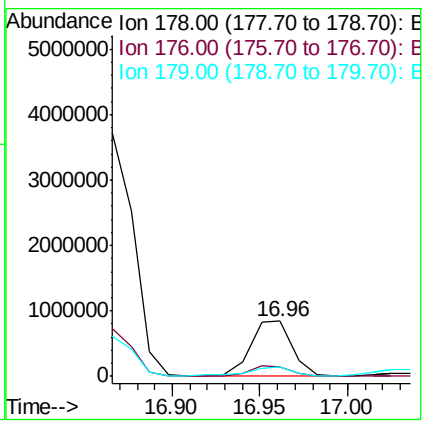


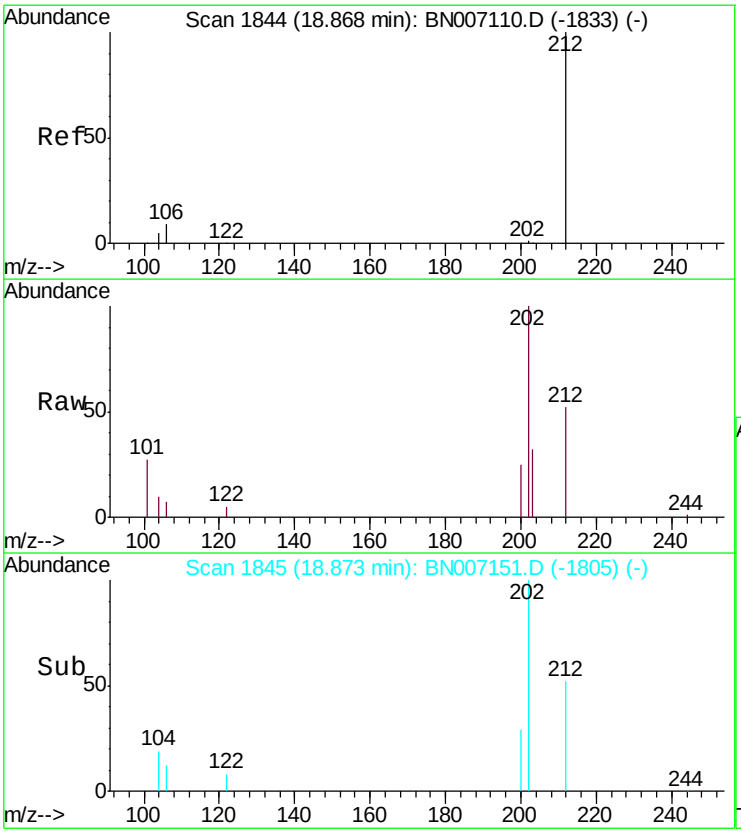
#23
Anthracene
Concen: 10.284 ng
RT: 16.96 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-1

Tgt Ion:178 Resp: 1363889

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	16.1	12.5	18.7

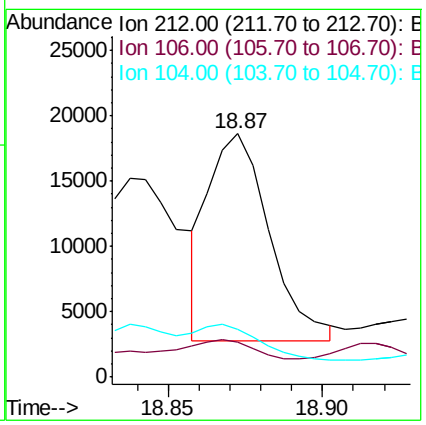


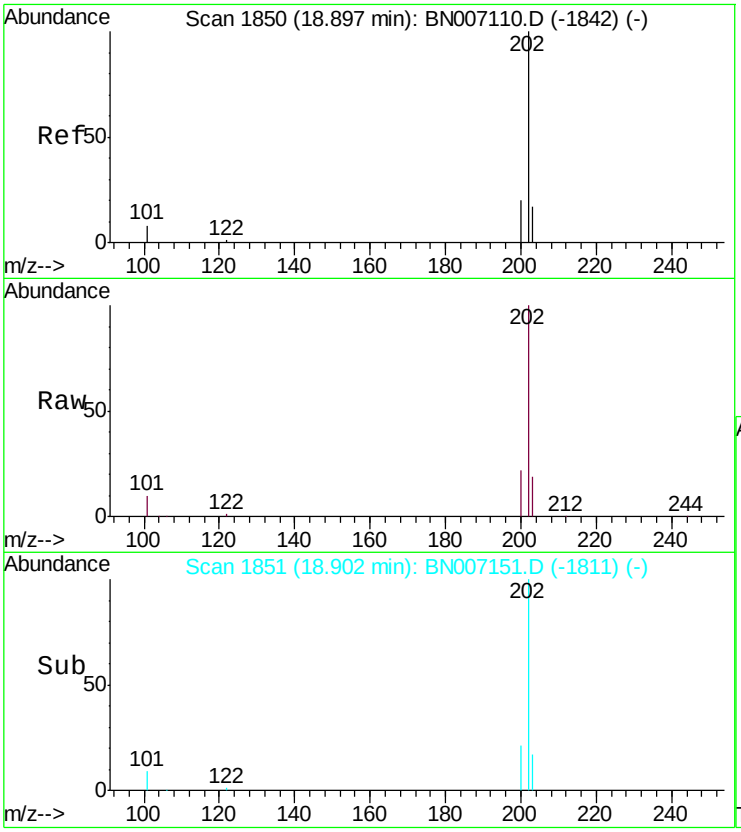


#24
Fluoranthene-d10
Concen: 0.126 ng m
RT: 18.87 min Scan# 1845
Delta R.T. -0.00 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Tgt Ion:212 Resp: 21670

Ion	Ratio	Lower	Upper
212	100		
106	9.7	8.2	12.2
104	5.5	4.5	6.7



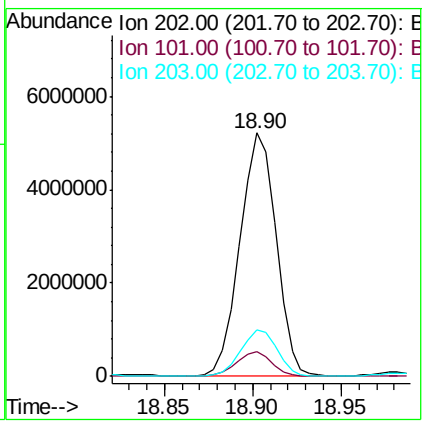


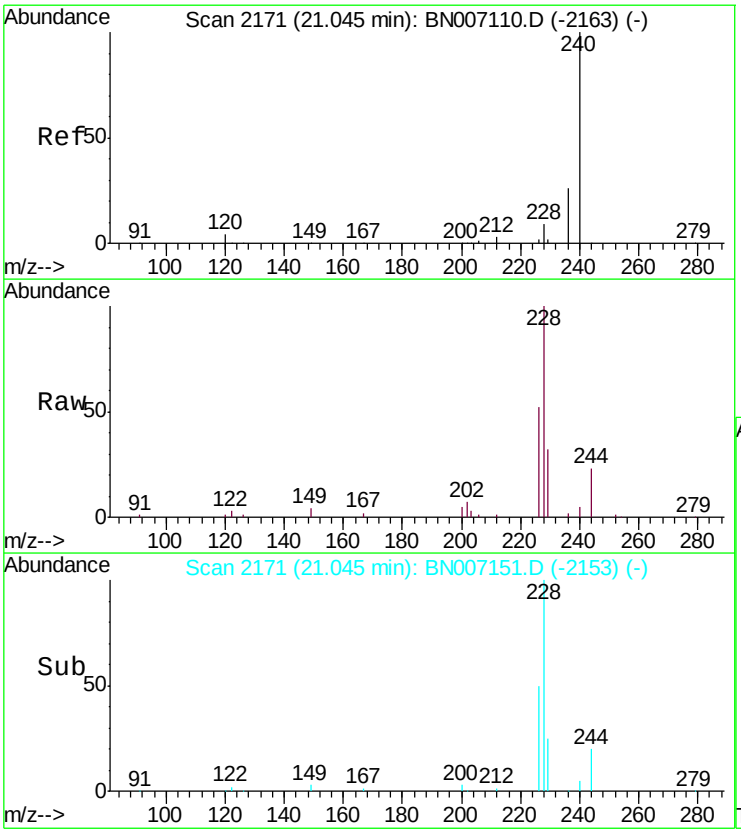
#25
Fluoranthene
Concen: 39.575 ng
RT: 18.90 min Scan# 1851
Delta R.T. -0.00 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-1

Tgt Ion:202 Resp: 7348423

Ion	Ratio	Lower	Upper
202	100		
101	9.7	7.0	10.4
203	19.0	13.8	20.8

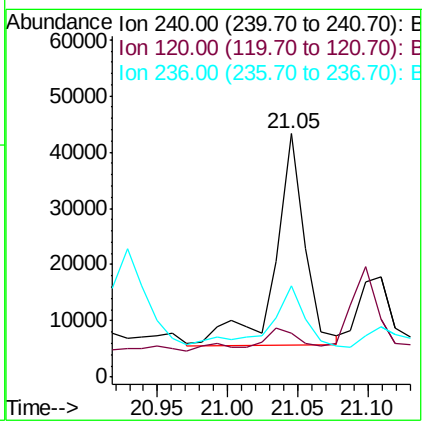


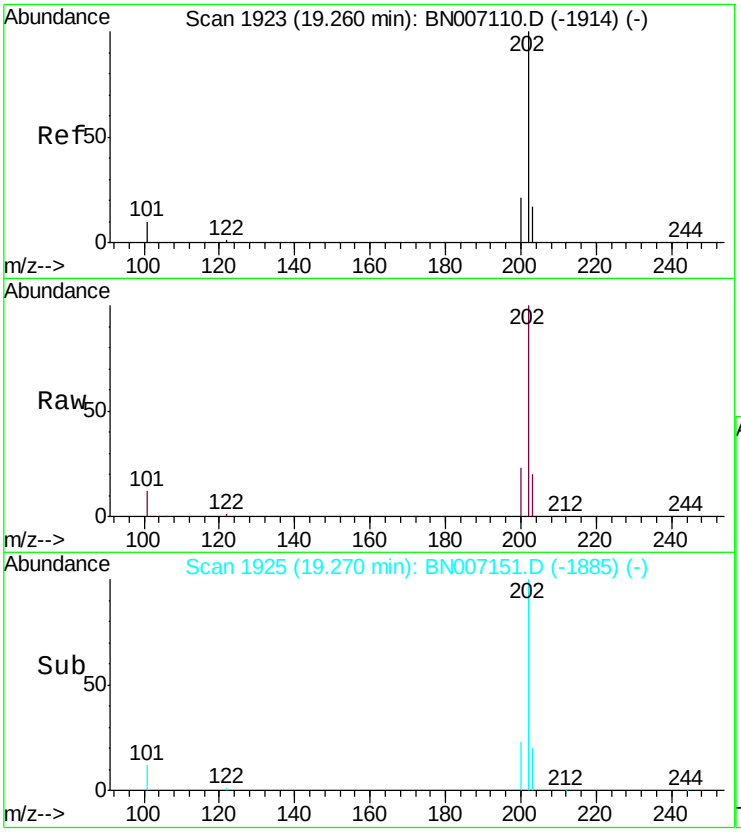


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Tgt Ion:240 Resp: 55783

Ion	Ratio	Lower	Upper
240	100		
120	17.9	4.0	6.0#
236	37.5	21.3	31.9#



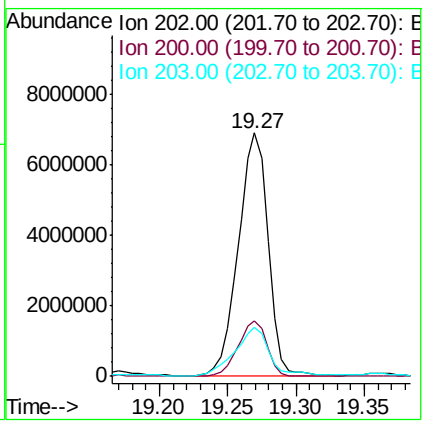


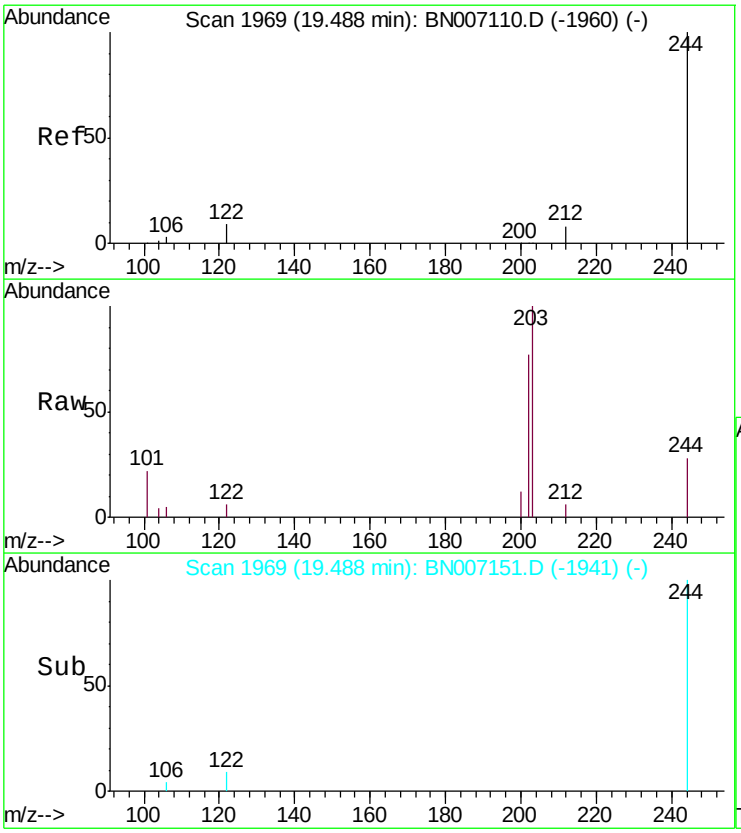
#27
Pyrene
Concen: 53.102 ng
RT: 19.27 min Scan# 1925
Delta R.T. -0.00 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-1

Tgt Ion:202 Resp:10388118

Ion	Ratio	Lower	Upper
202	100		
200	22.1	16.6	24.8
203	23.0	14.0	21.0#

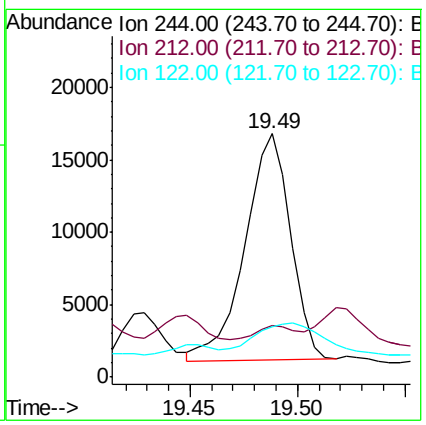


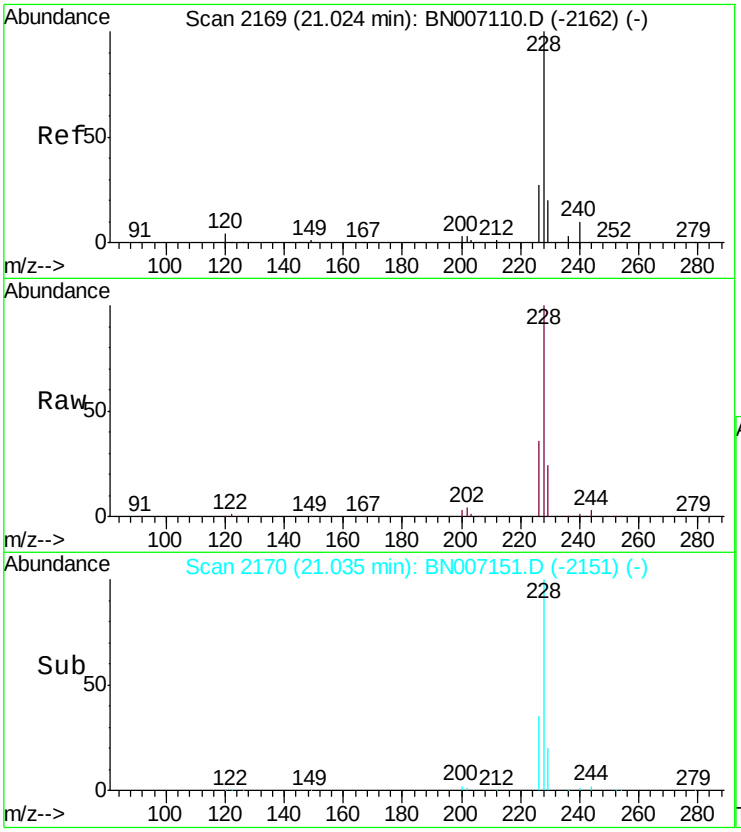


#28
Terphenyl-d14
Concen: 0.152 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Tgt Ion:244 Resp: 23101

Ion	Ratio	Lower	Upper
244	100		
212	21.4	6.2	9.2#
122	20.9	7.4	11.2#



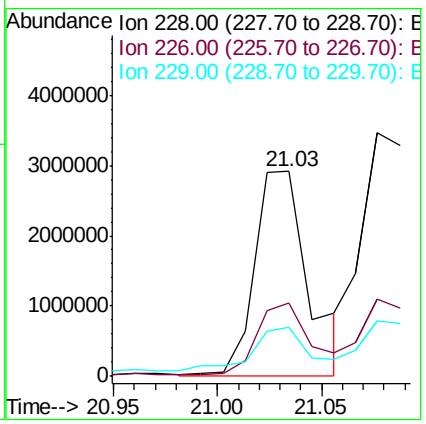


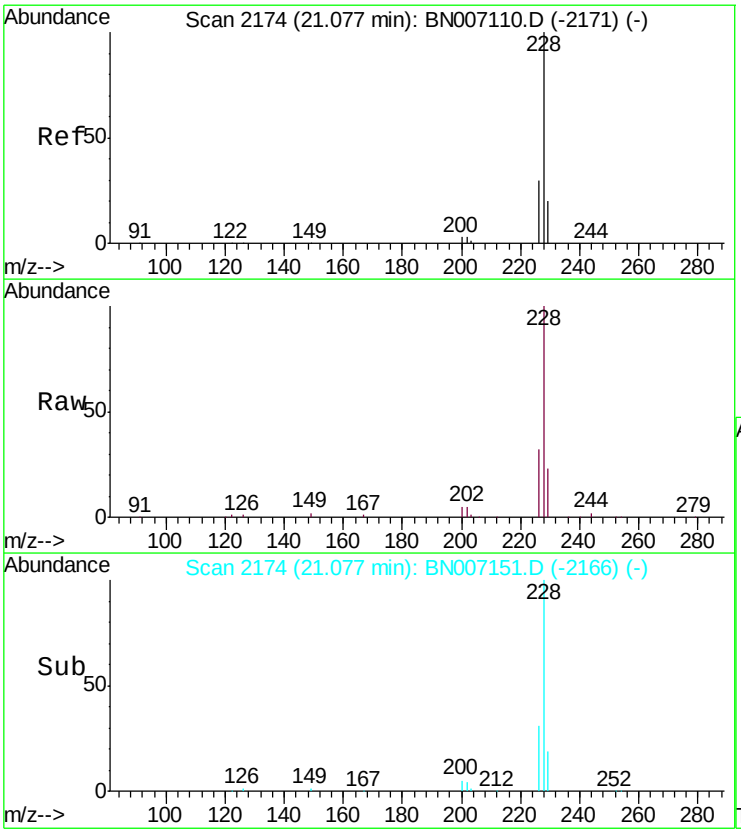
#29
Benzo(a)anthracene
Concen: 25.830 ng m
RT: 21.03 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-1

Tgt Ion:228 Resp: 5269267

Ion	Ratio	Lower	Upper
228	100		
226	36.0	21.8	32.6#
229	24.0	15.6	23.4#

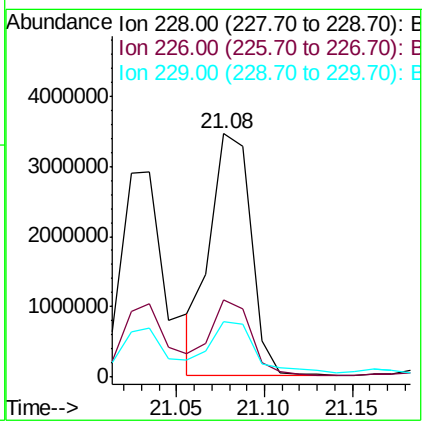


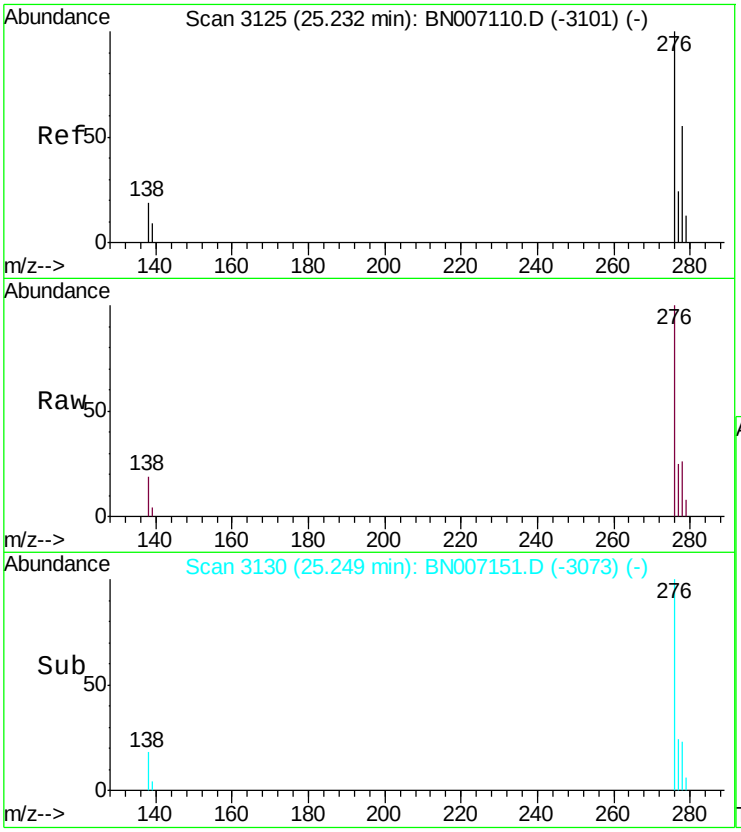


#30
Chrysene
Concen: 27.882 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Tgt Ion:228 Resp: 5526341

Ion	Ratio	Lower	Upper
228	100		
226	31.9	23.8	35.6
229	22.7	15.7	23.5



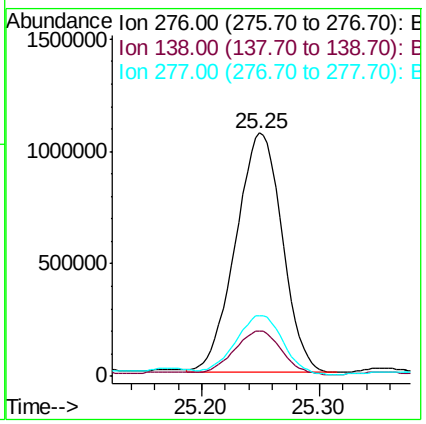


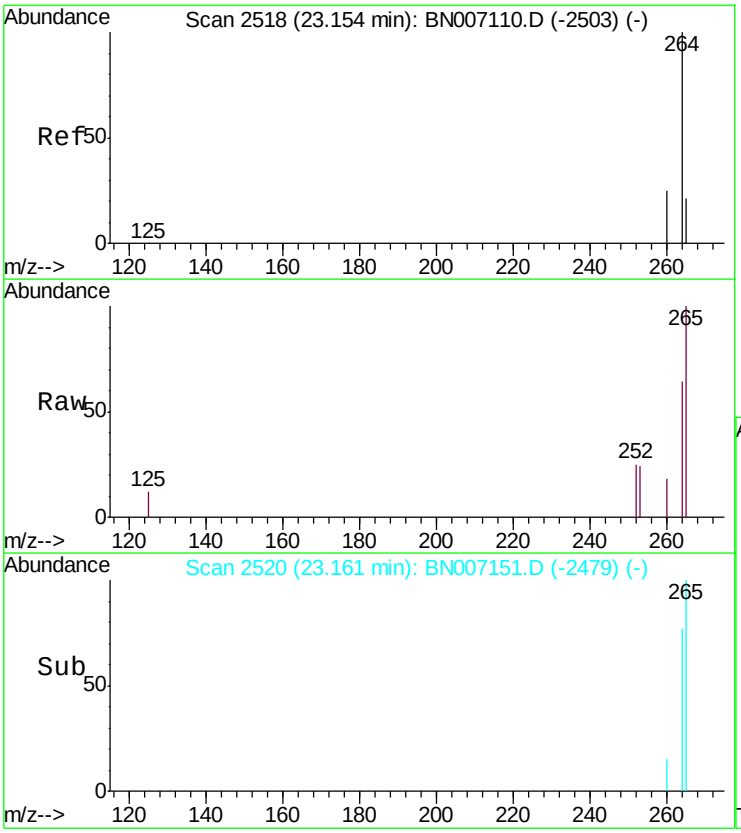
#31
Indeno(1,2,3-cd)pyrene
Concen: 13.399 ng
RT: 25.25 min Scan# 3130
Delta R.T. -0.00 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-1

Tgt Ion:276 Resp: 2926928

Ion	Ratio	Lower	Upper
276	100		
138	18.5	16.0	24.0
277	25.0	19.9	29.9

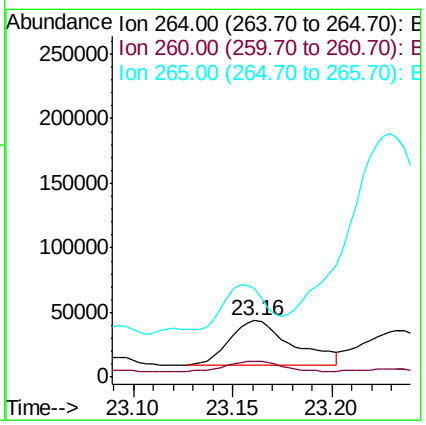


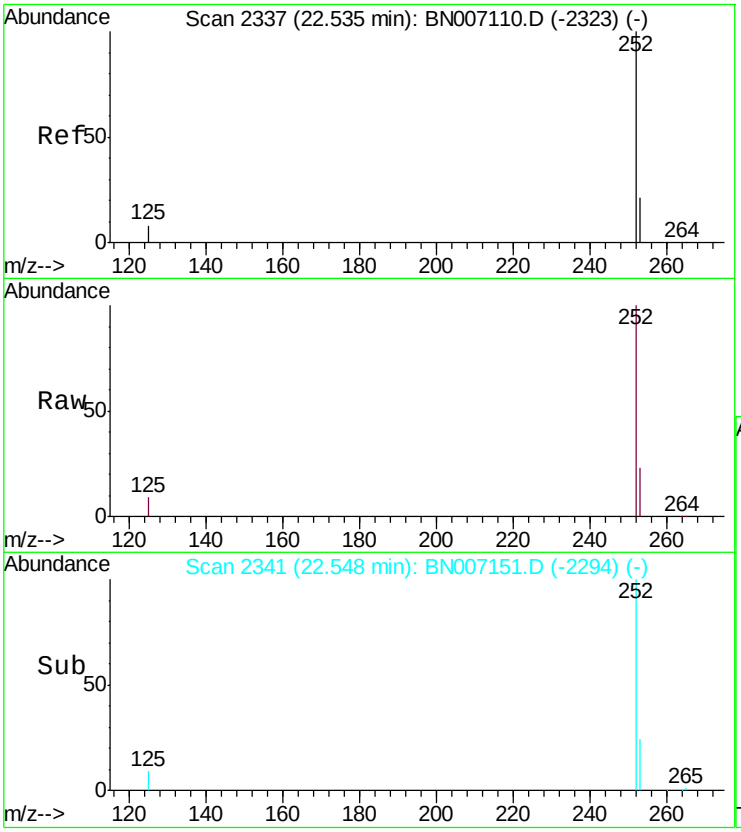


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Tgt Ion:264 Resp: 74374

Ion	Ratio	Lower	Upper
264	100		
260	28.4	19.8	29.8
265	156.5	26.2	39.4#



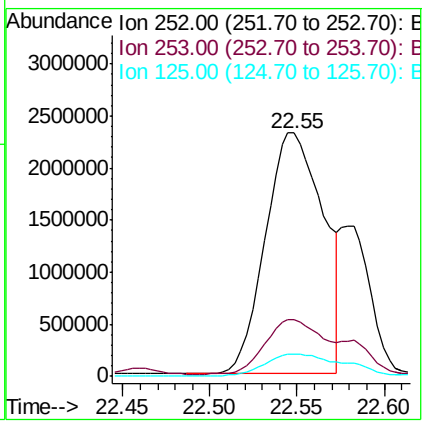


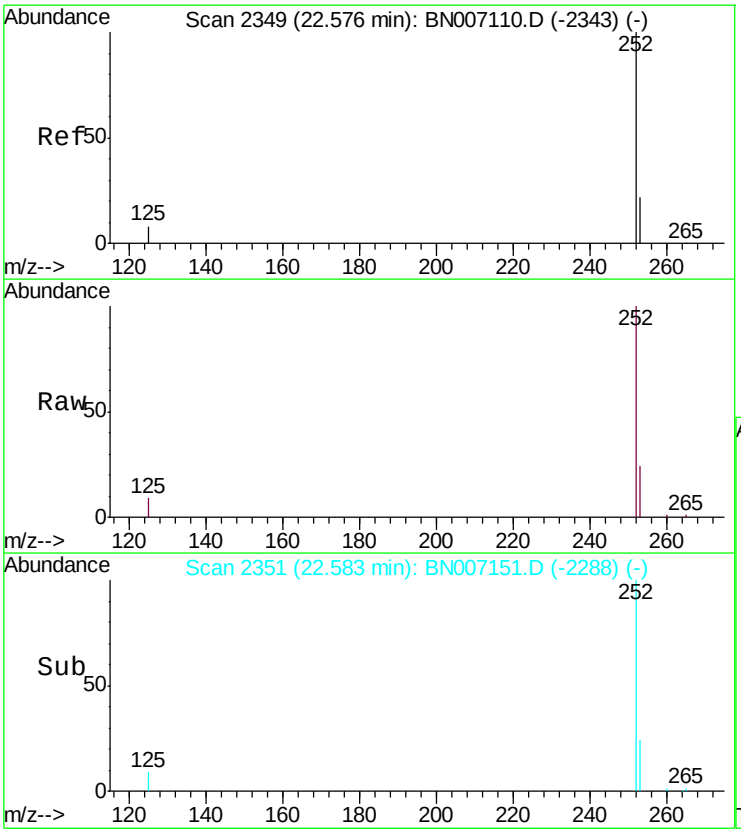
#33
Benzo(b)fluoranthene
Concen: 21.029 ng
RT: 22.55 min Scan# 2341
Delta R.T. -0.00 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-1

Tgt Ion:252 Resp: 5363169

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	9.3	7.4	11.0

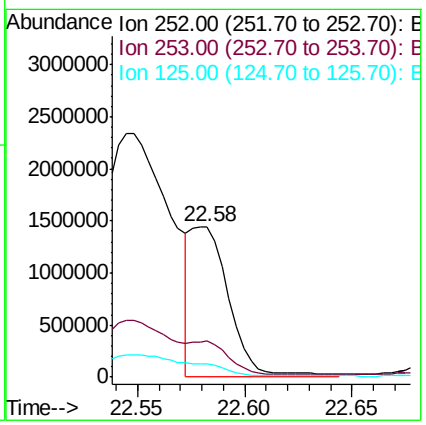


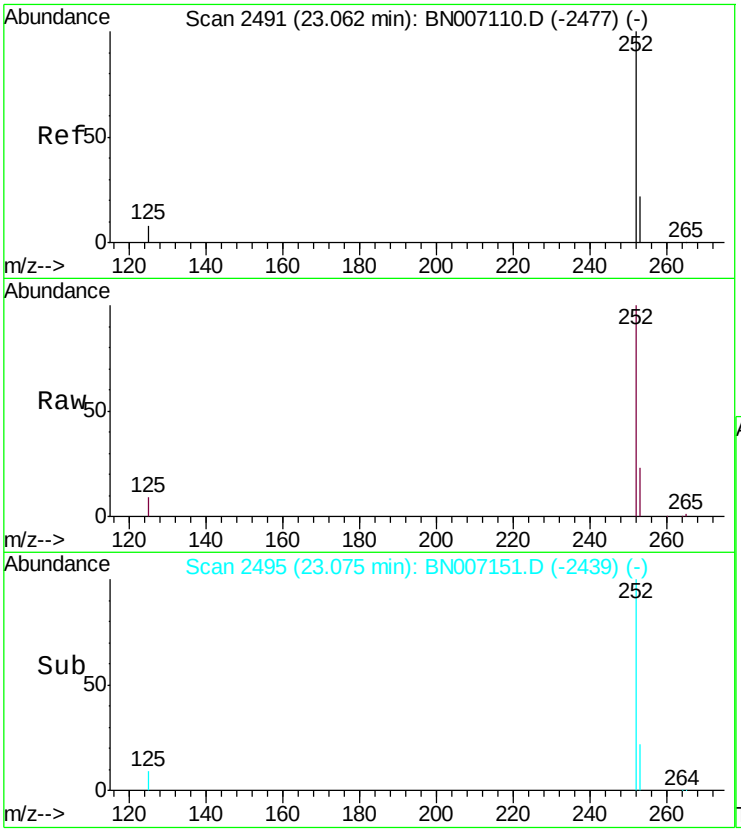


#34
Benzo(k)fluoranthene
Concen: 7.209 ng m
RT: 22.58 min Scan# 2351
Delta R.T. -0.01 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Tgt Ion:252 Resp: 1815712

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	8.7	7.4	11.0



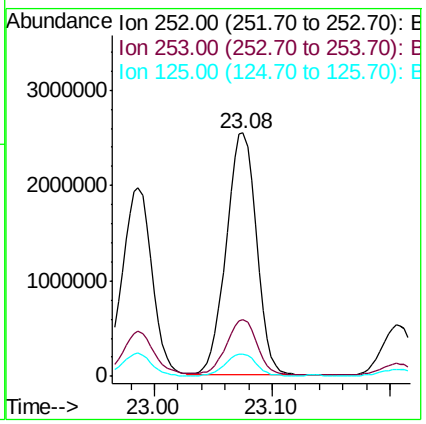


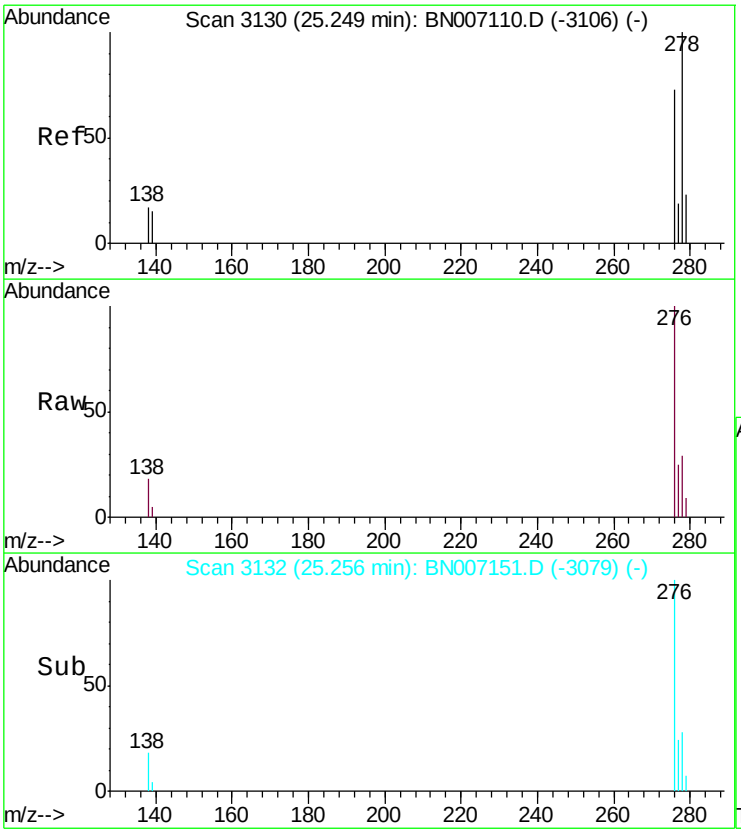
#35
Benzo(a)pyrene
Concen: 19.511 ng
RT: 23.08 min Scan# 2495
Delta R.T. -0.01 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-1

Tgt Ion:252 Resp: 4511070

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.5	27.7
125	9.2	8.2	12.4

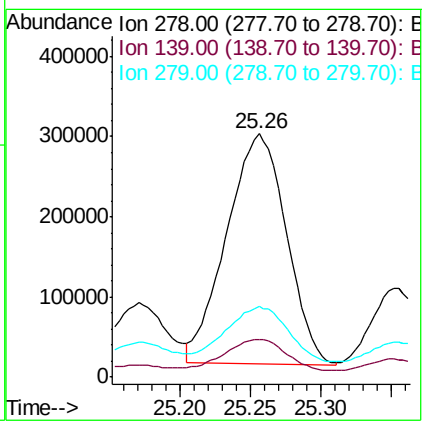


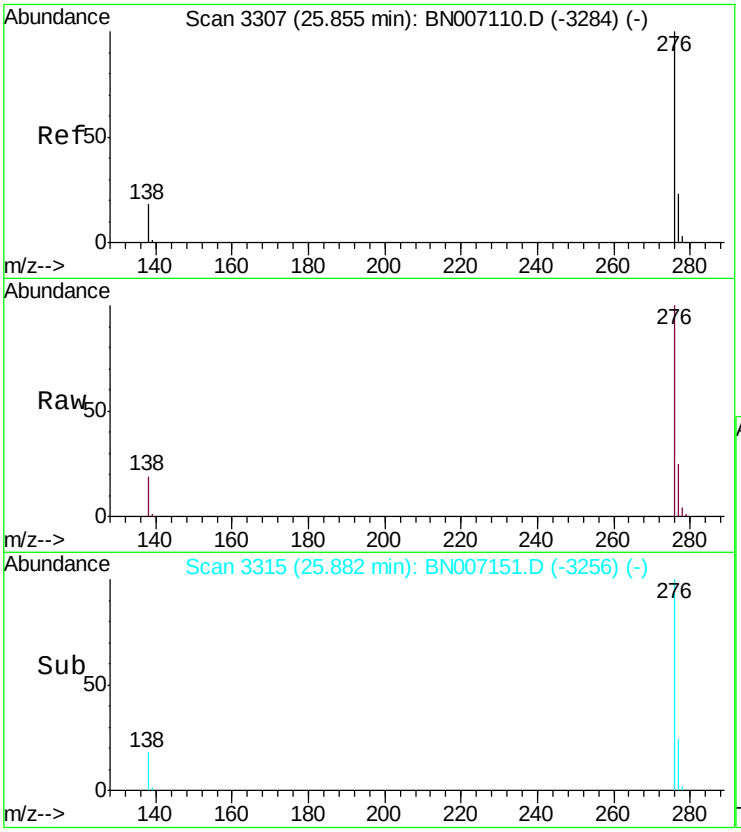


#36
Dibenzo(a,h)anthracene
Concen: 3.678 ng
RT: 25.26 min Scan# 3132
Delta R.T. -0.02 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Tgt Ion:278 Resp: 848541

Ion	Ratio	Lower	Upper
278	100		
139	15.6	11.3	16.9
279	29.1	19.3	28.9#





#37
Benzo(g,h,i)perylene
Concen: 13.800 ng
RT: 25.88 min Scan# 3315
Delta R.T. 0.00 min
Lab File: BN007151.D
Acq: 14 Aug 2019 03:56

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-1

Tgt Ion:276 Resp: 3274716

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.8	29.8
138	18.8	14.6	22.0