Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081319\
Data File : BN007163.D
Acq On : 14 Aug 2019 11:09
Operator : HP/JU
Sample : K4144-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : EXT-008-SW115-073119

Quant Time: Aug 14 13:15:54 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	9028	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	35530	0.40	ng		0.00
12) Acenaphthene-d10	14.08	164	20215	0.40	ng		0.00
18) Phenanthrene-d10	16.82	188	46156	0.40	ng		0.00
26) Chrysene-d12	21.05	240	42736	0.40	ng		-0.01
32) Perylene-d12	23.16	264	49363	0.40	ng		-0.01
System Monitoring Compounds							
3) 2-Fluorophenol	5.06	112	5583	0.26	ng		0.00
4) Phenol-d6	6.62	99	7513	0.28	ng		0.00
7) Nitrobenzene-d5	8.56	82	6086	0.21	ng		0.00
10) 2-Methylnaphthalene-d10	11.79	152	13658	0.21	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	2385	0.22	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	3568	0.12	ng		0.00
24) Fluoranthene-d10	18.87	212	34136	0.21	ng		0.00
28) Terphenyl-d14	19.49	244	26318	0.23	ng		-0.01
Target Compounds							Qvalue
8) Naphthalene	10.24	128	11703	0.117	ng	#	95
11) 2-Methylnaphthalene	11.87	142	11368	0.161	ng		96
15) Acenaphthylene	13.79	152	169119	1.601	ng		99
16) Acenaphthene	14.13	154	8632	0.128	ng	#	88
17) Fluorene	15.14	166	25636	0.253	ng	#	72
22) Phenanthrene	16.87	178	225853	1.633	ng		99
23) Anthracene	16.96	178	116018	0.918	ng		100
25) Fluoranthene	18.90	202	460222	2.601	ng		99
27) Pyrene	19.26	202	576802	3.849	ng		97
29) Benzo(a)anthracene	21.02	228	308705m	1.975	ng		
30) Chrysene	21.08	228	357642	2.355	ng		95
31) Indeno(1,2,3-cd)pyrene	25.24	276	241877	1.445	ng		99
33) Benzo(b)fluoranthene	22.54	252	442866	2.616	ng		98
34) Benzo(k)fluoranthene	22.58	252	146592m	0.877	ng		
35) Benzo(a)pyrene	23.07	252	320446	2.088	ng		98
36) Dibenzo(a,h)anthracene	25.25	278	64264	0.420	ng	#	77
37) Benzo(g,h,i)perylene	25.87	276	262851	1.669	ng		98

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081319\
Data File : BN007163.D
Acq On : 14 Aug 2019 11:09
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Sample : K4144-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW115-073119

Quant Time: Aug 14 13:15:54 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
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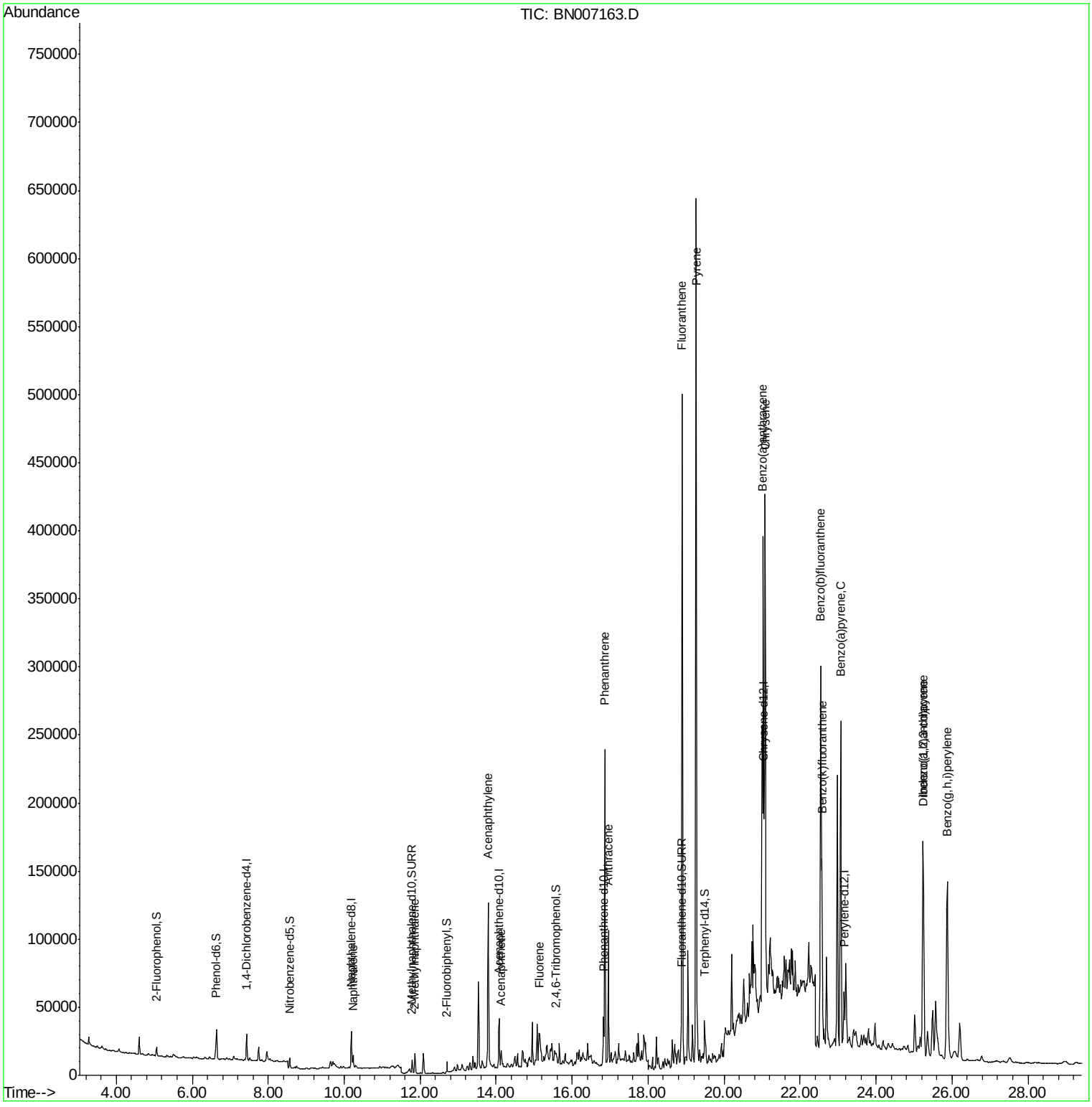
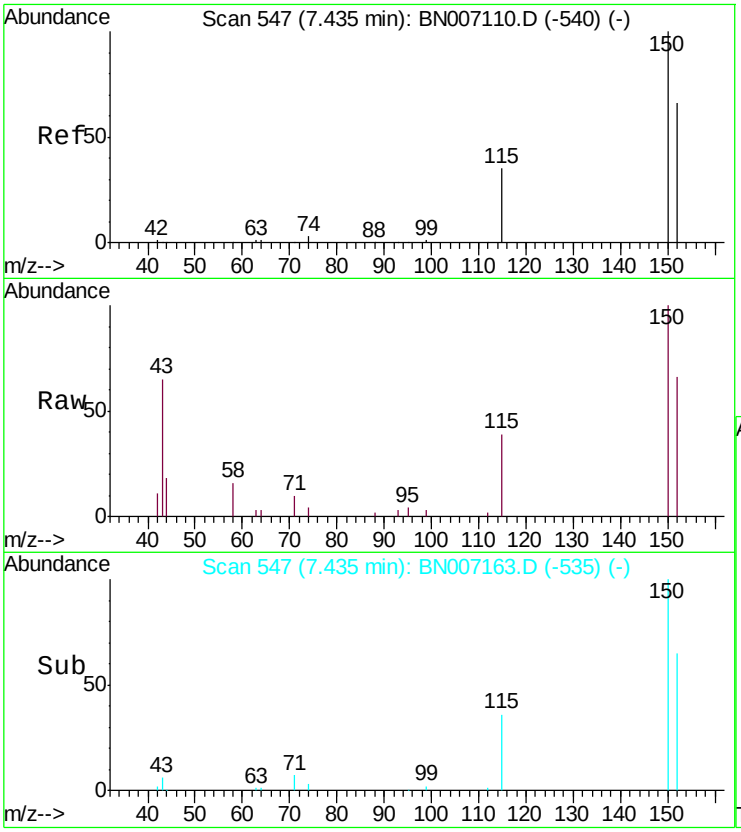


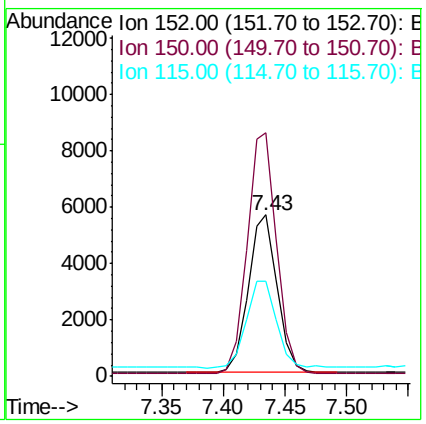


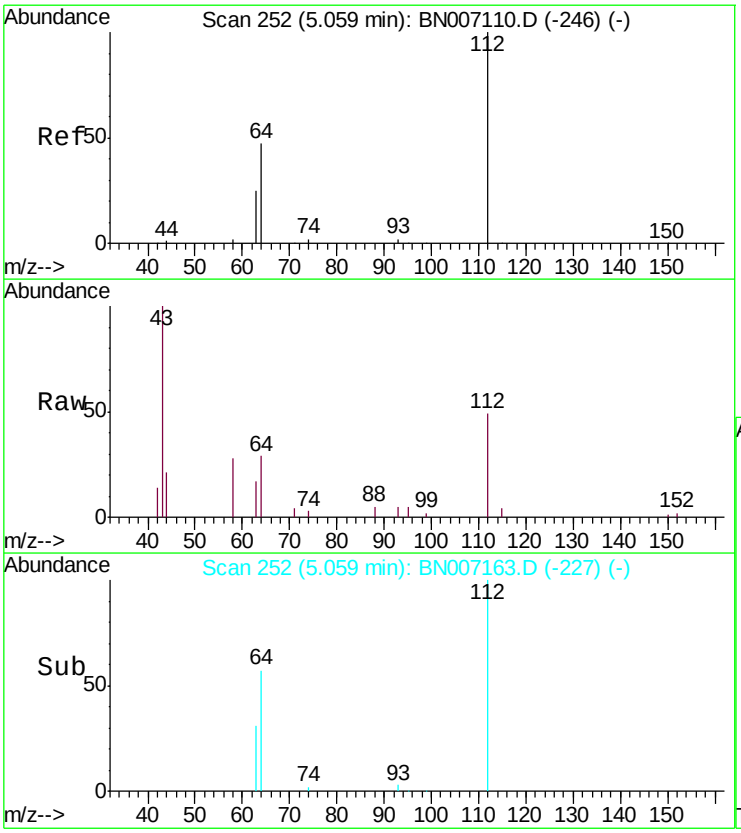
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW115-073119

Tgt Ion:152 Resp: 9028

Ion	Ratio	Lower	Upper
152	100		
150	150.7	121.7	182.5
115	59.2	46.2	69.4

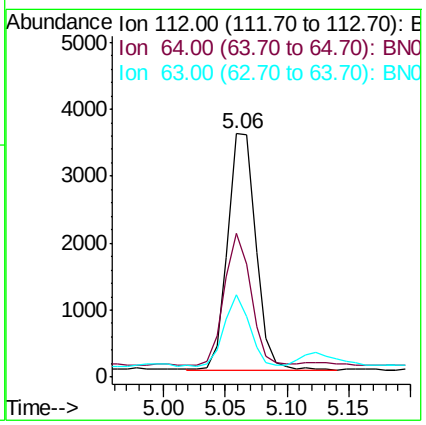


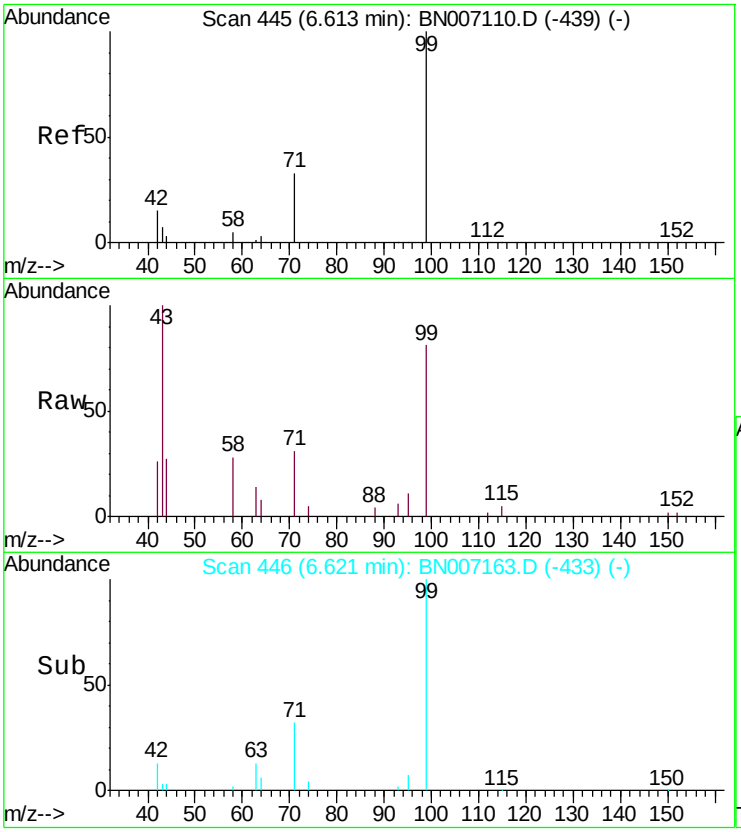


#3
2-Fluorophenol
Concen: 0.257 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Tgt Ion:112 Resp: 5583

Ion	Ratio	Lower	Upper
112	100		
64	52.4	42.6	63.8
63	27.4	22.2	33.2



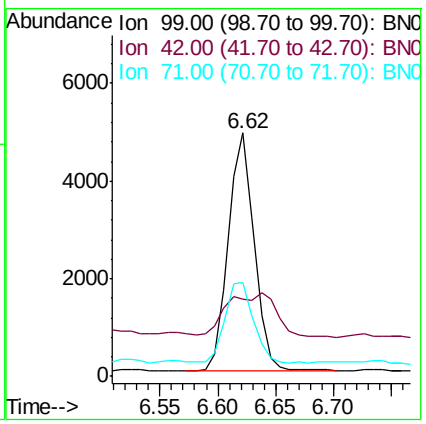


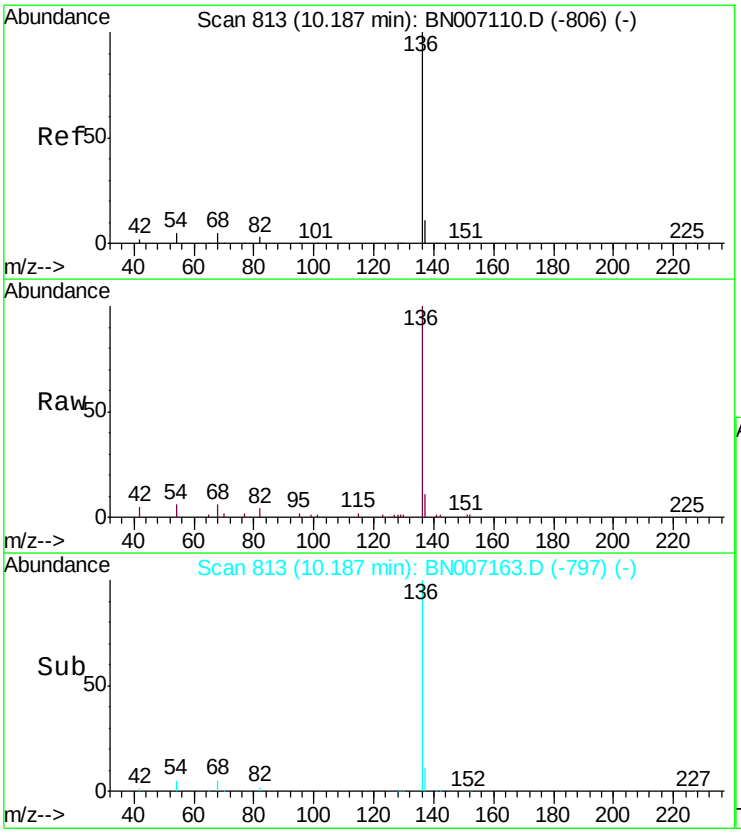
#4
Phenol-d6
Concen: 0.280 ng
RT: 6.62 min Scan# 446
Delta R.T. 0.01 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW115-073119

Tgt Ion: 99 Resp: 7513

Ion	Ratio	Lower	Upper
99	100		
42	35.8	15.8	23.6#
71	37.8	27.0	40.4

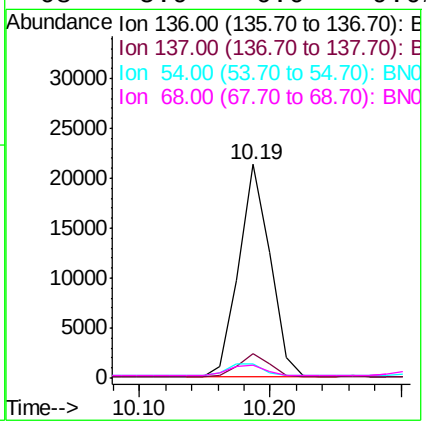


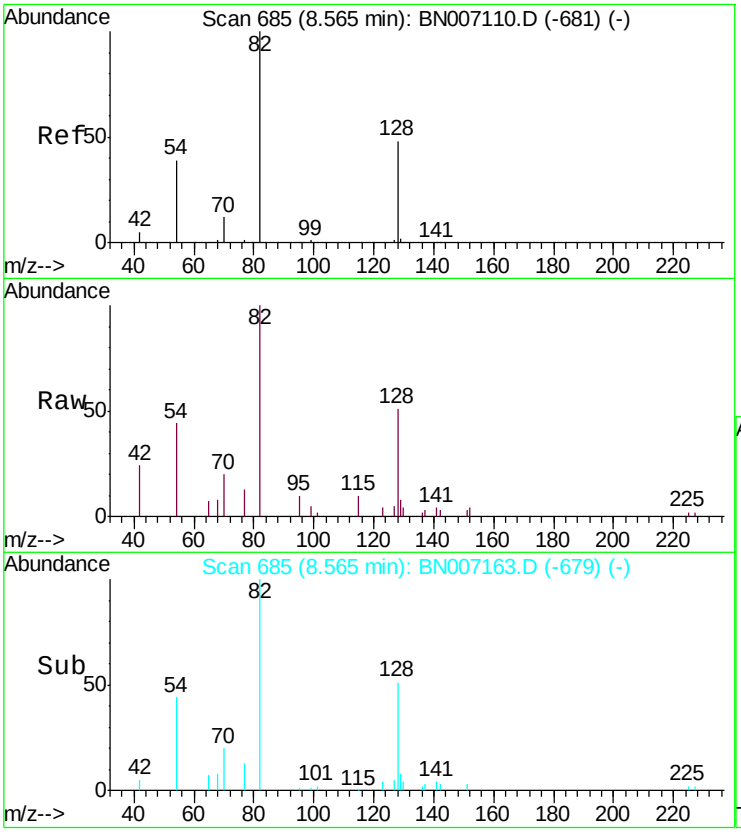


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Tgt Ion:136 Resp: 35530

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.4	14.0
54	6.3	6.6	9.8#
68	5.9	6.0	9.0#



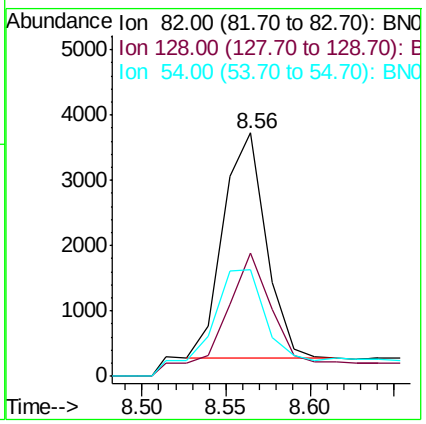


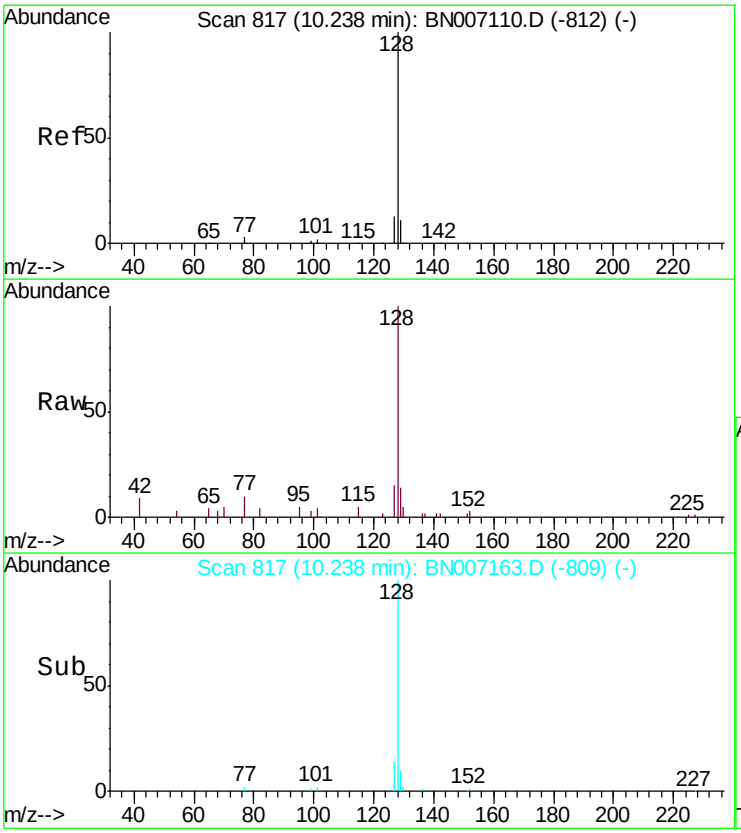
#7
Nitrobenzene-d5
Concen: 0.212 ng
RT: 8.56 min Scan# 685
Delta R.T. -0.00 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW115-073119

Tgt Ion: 82 Resp: 6086

Ion	Ratio	Lower	Upper
82	100		
128	50.6	34.6	51.8
54	43.6	36.2	54.4

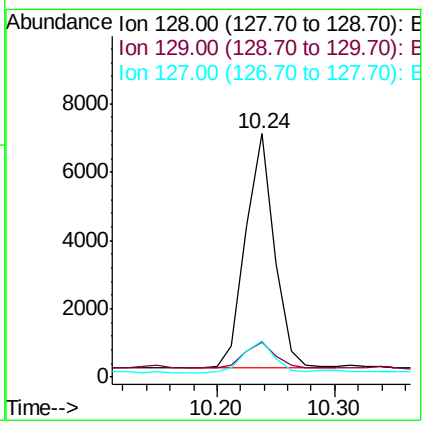


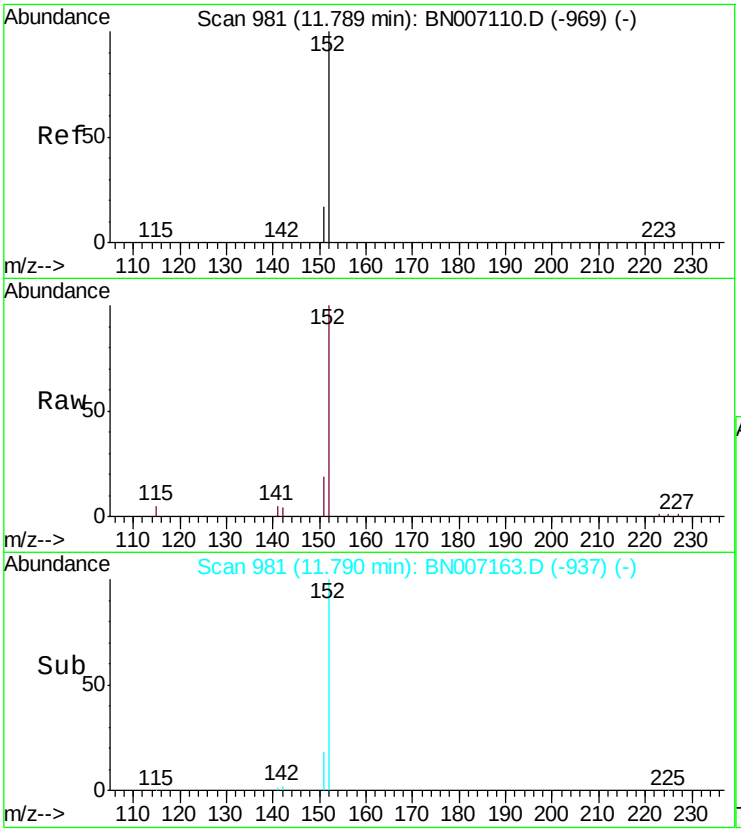


#8
Naphthalene
Concen: 0.117 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Tgt Ion:128 Resp: 11703

Ion	Ratio	Lower	Upper
128	100		
129	14.3	9.4	14.2#
127	15.0	11.0	16.6



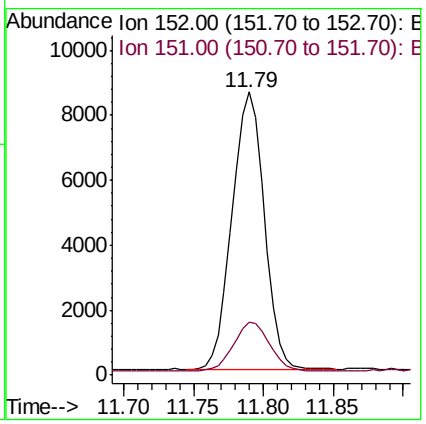


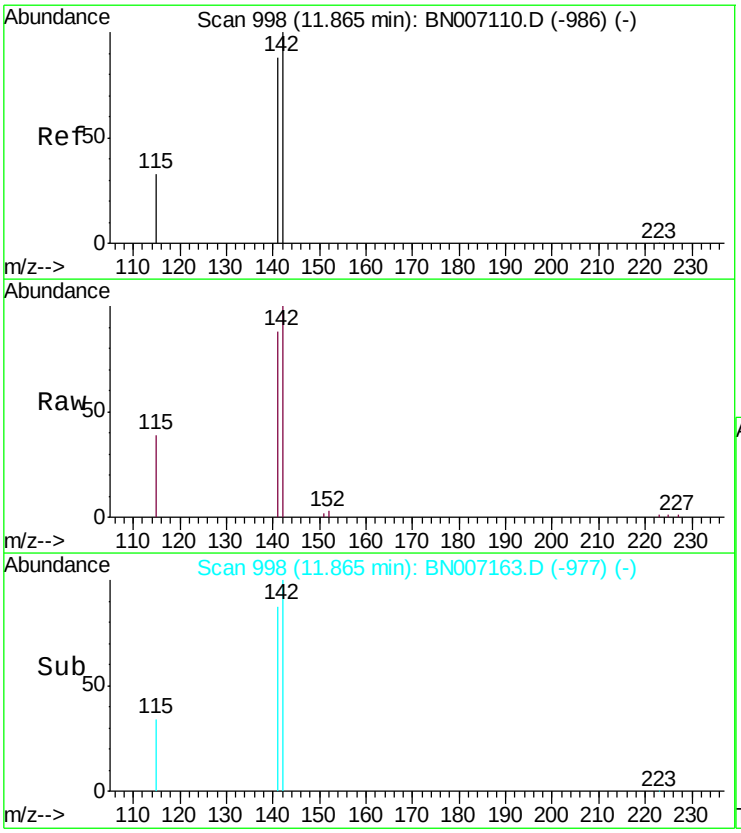
#10
2-Methylnaphthalene-d10
Concen: 0.206 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW115-073119

Tgt Ion:152 Resp: 13658

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3

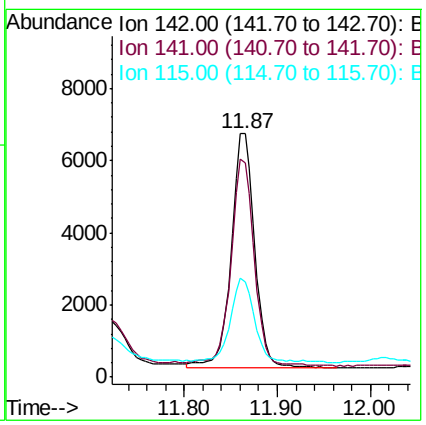


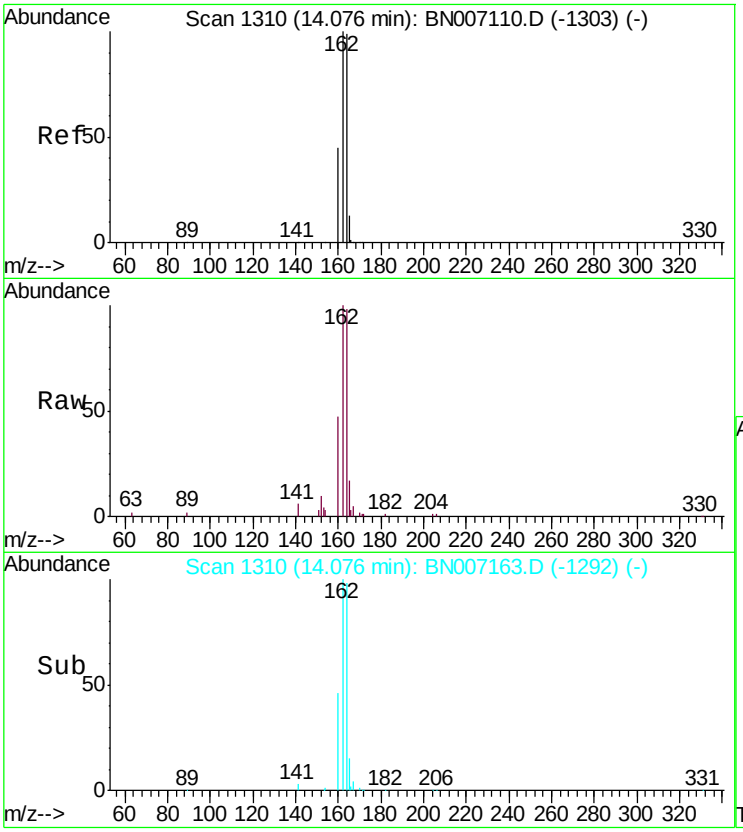


#11
2-Methylnaphthalene
Concen: 0.161 ng
RT: 11.87 min Scan# 998
Delta R.T. -0.00 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Tgt Ion:142 Resp: 11368

Ion	Ratio	Lower	Upper
142	100		
141	88.0	69.0	103.6
115	38.8	27.1	40.7



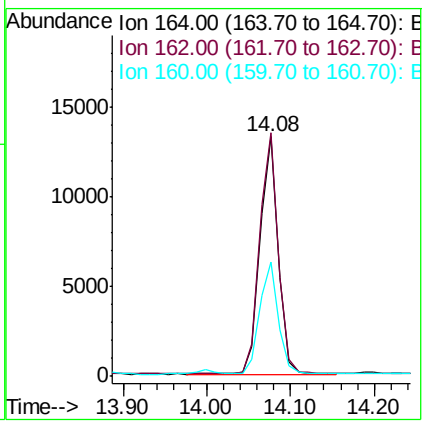


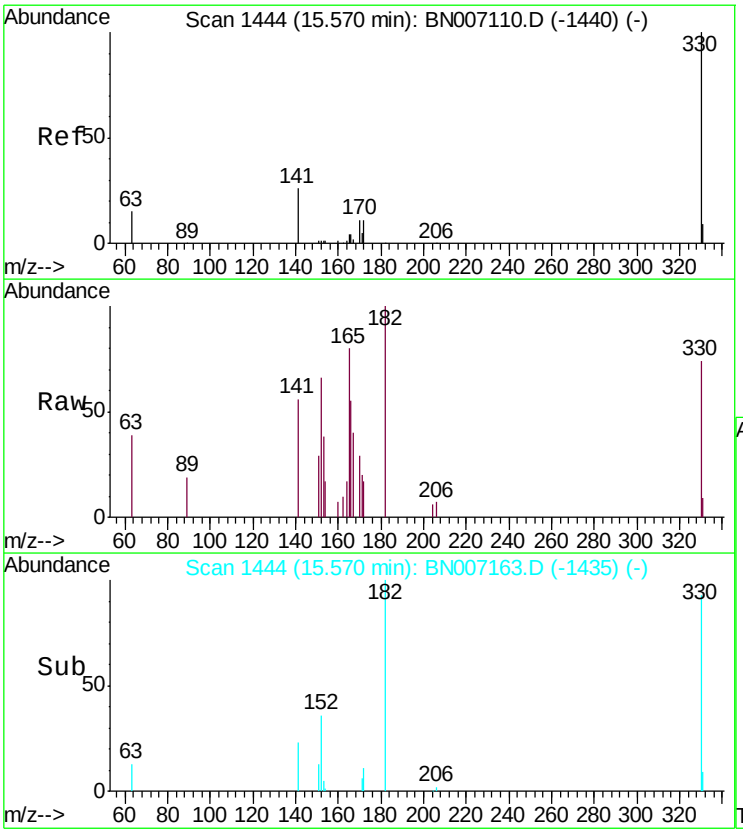
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW115-073119

Tgt Ion:164 Resp: 20215

Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.2	123.4
160	47.6	38.3	57.5

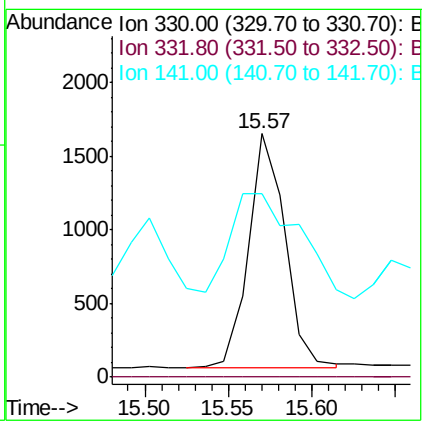


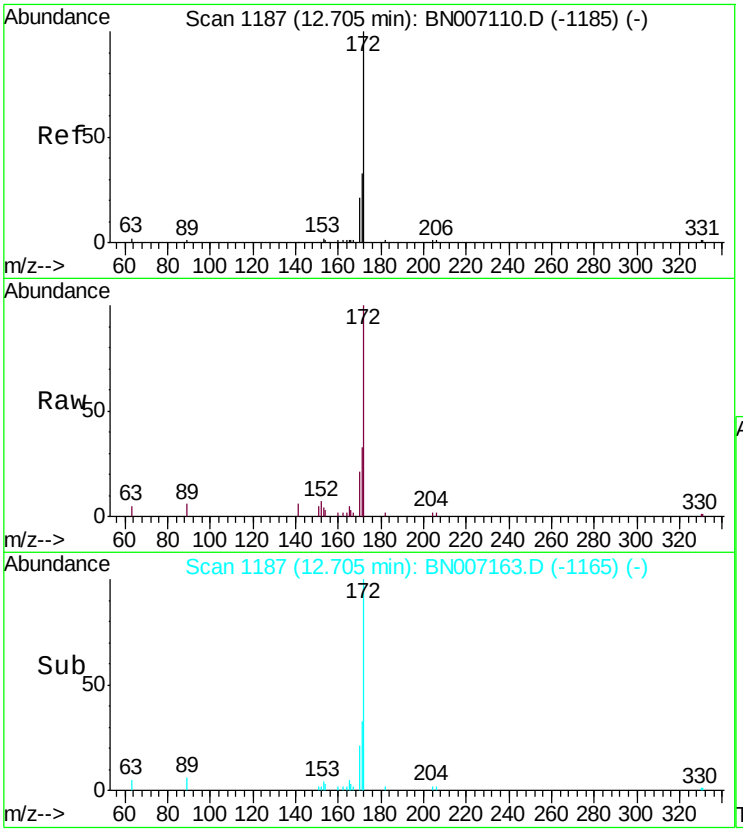


#13
2,4,6-Tribromophenol
Concen: 0.219 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Tgt Ion:330 Resp: 2385

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	86.2	33.6	50.4#



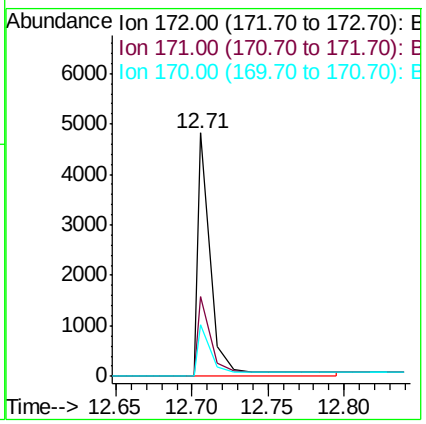


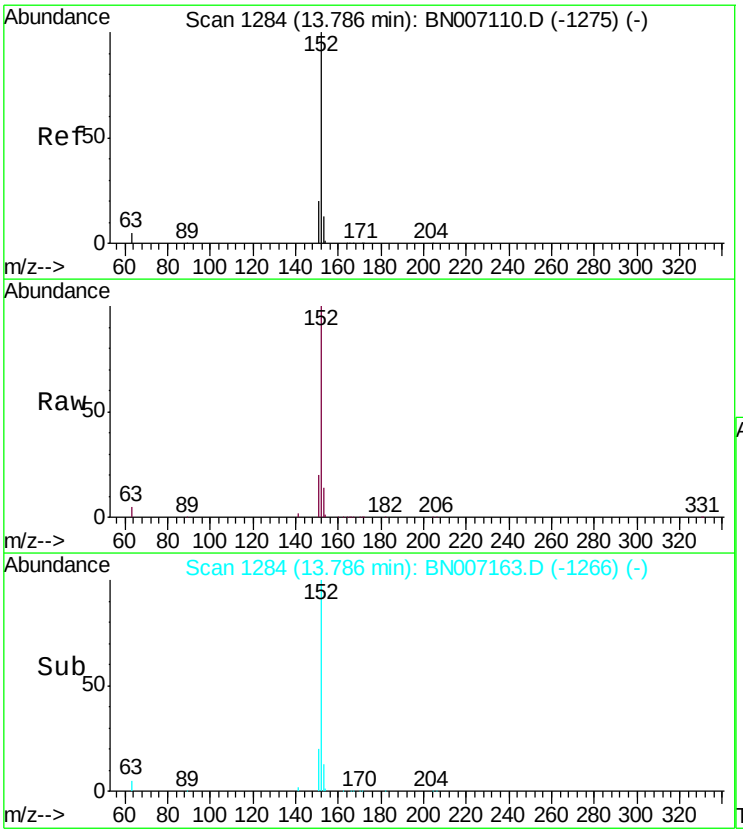
#14
2-Fluorobiphenyl
Concen: 0.121 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW115-073119

Tgt Ion:172 Resp: 3568

Ion	Ratio	Lower	Upper
172	100		
171	32.6	26.3	39.5
170	21.0	17.0	25.4

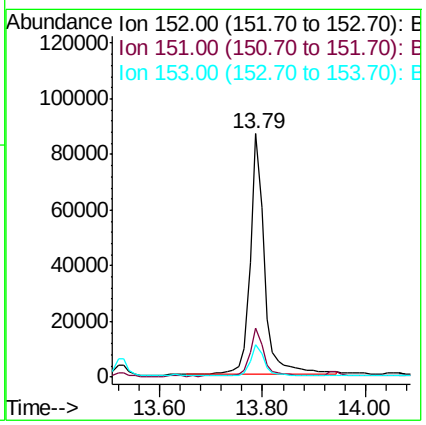


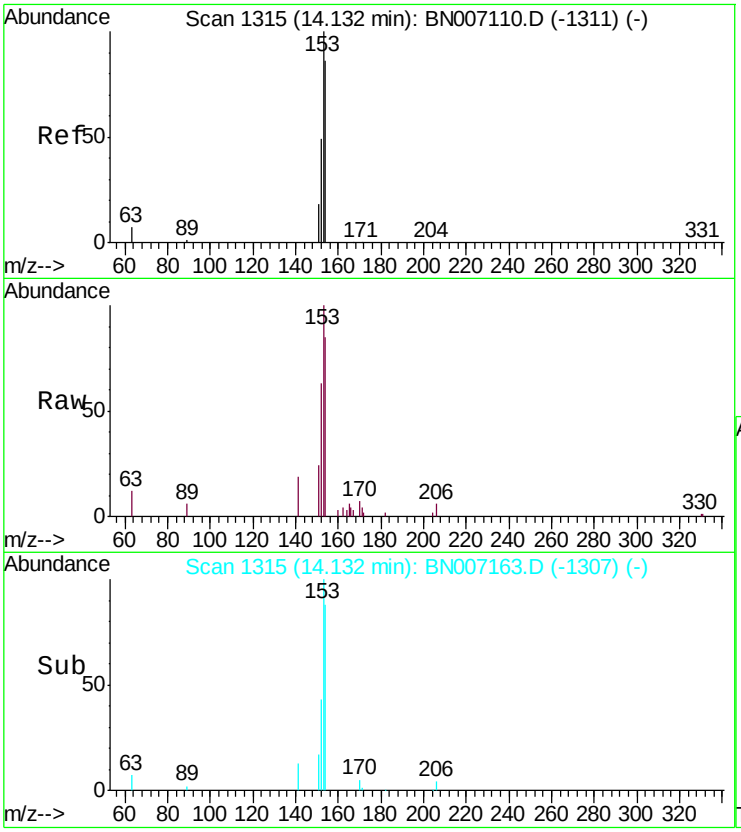


#15
Acenaphthylene
Concen: 1.601 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Tgt Ion:152 Resp: 169119

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.8	23.6
153	12.5	10.4	15.6



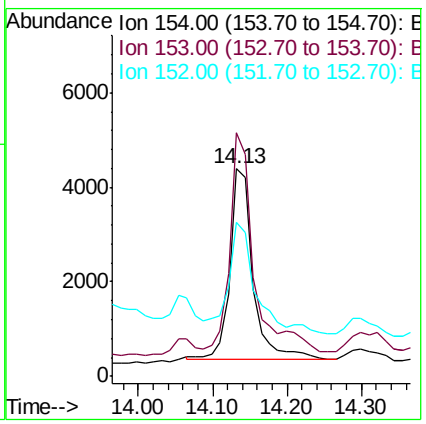


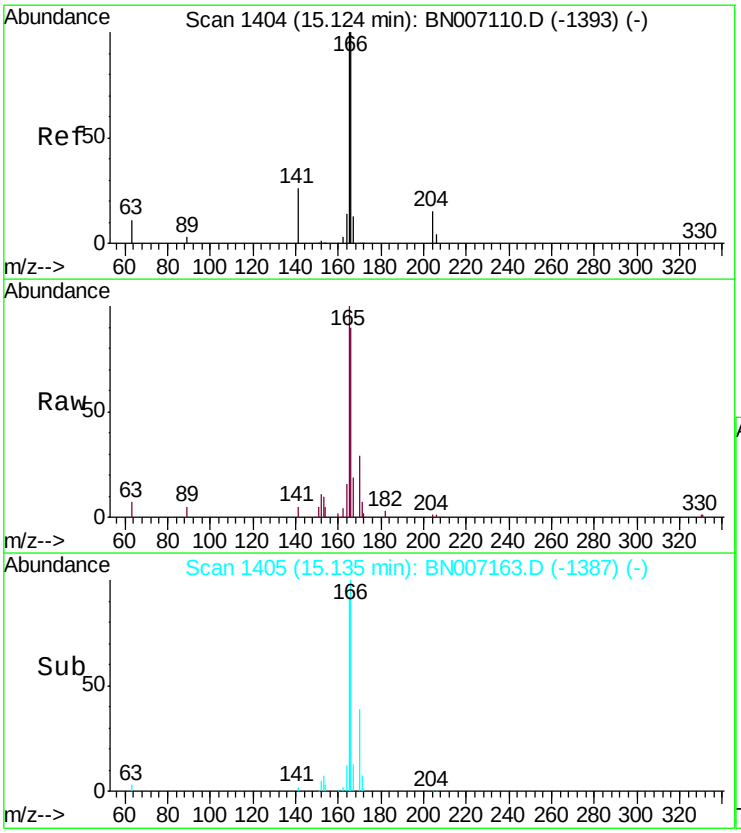
#16
Acenaphthene
Concen: 0.128 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW115-073119

Tgt Ion:154 Resp: 8632

Ion	Ratio	Lower	Upper
154	100		
153	119.1	89.5	134.3
152	71.8	44.8	67.2#

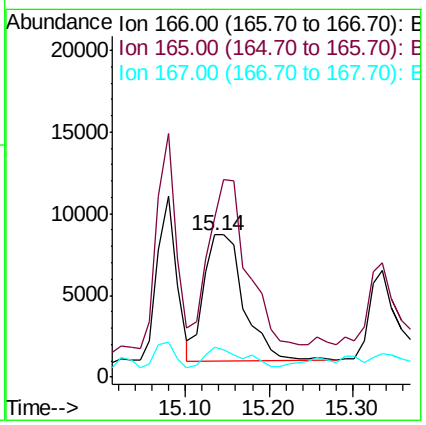


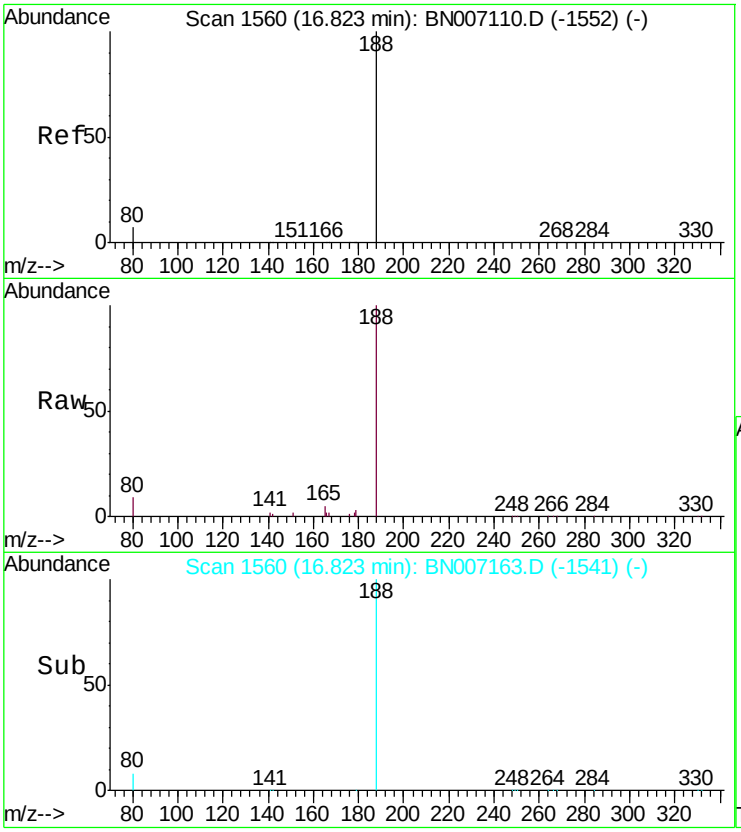


#17
Fluorene
Concen: 0.253 ng
RT: 15.14 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Tgt Ion:166 Resp: 25636

Ion	Ratio	Lower	Upper
166	100		
165	128.3	77.9	116.9#
167	15.6	10.9	16.3



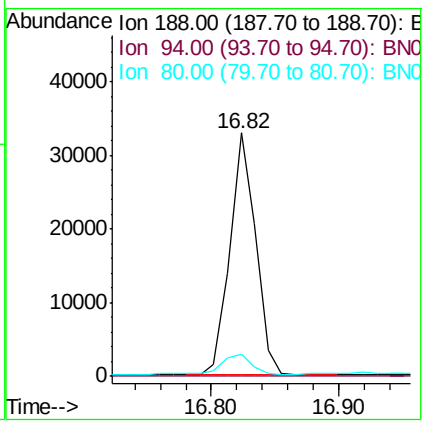


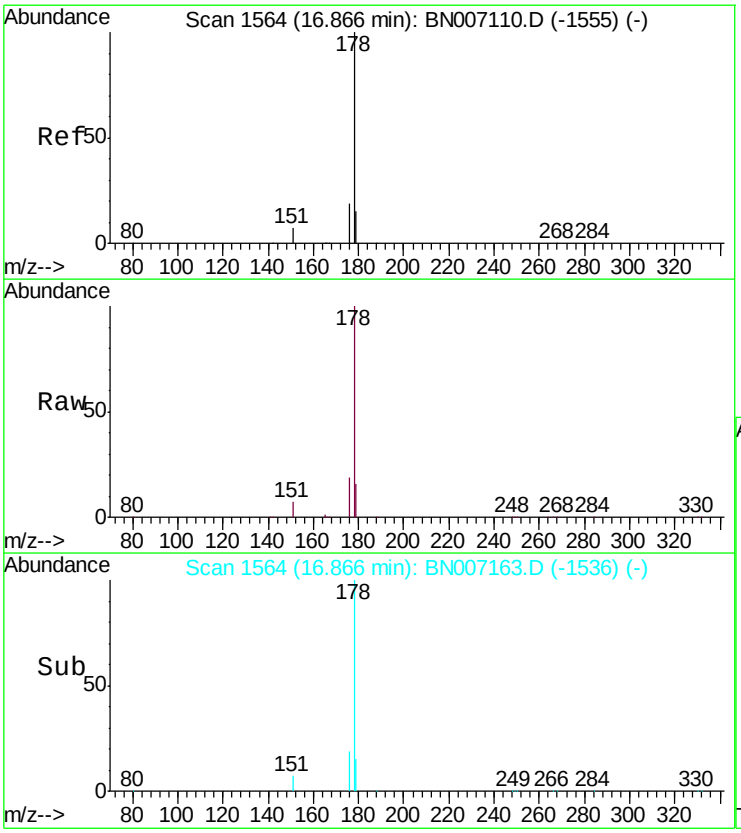
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW115-073119

Tgt Ion:188 Resp: 46156

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.1	7.8	11.6

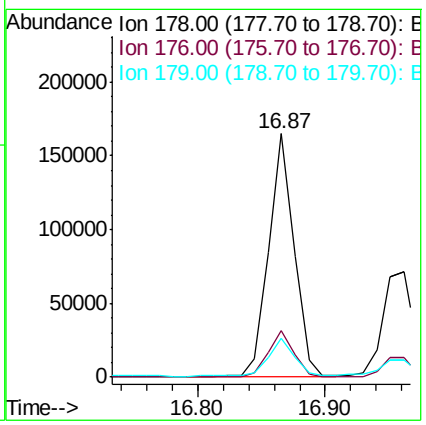


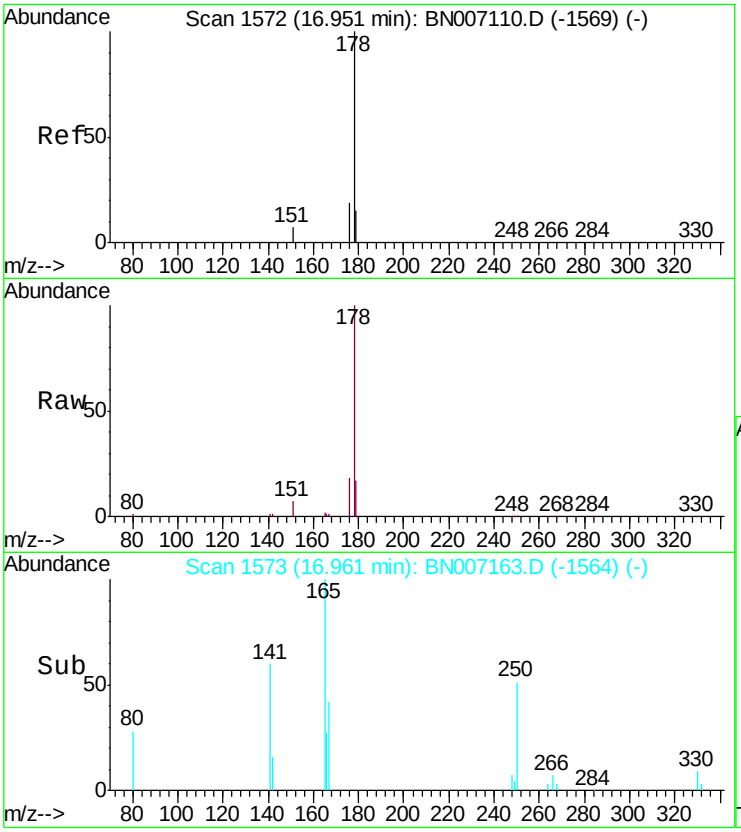


#22
Phenanthrene
Concen: 1.633 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Tgt Ion:178 Resp: 225853

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	16.2	12.3	18.5



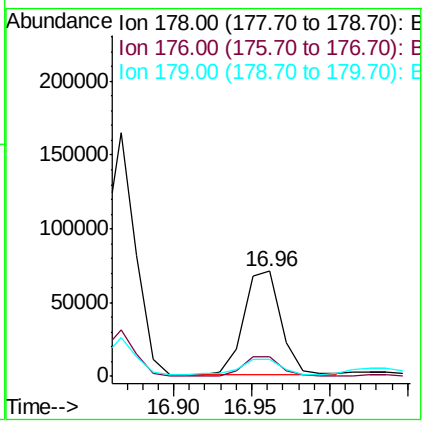


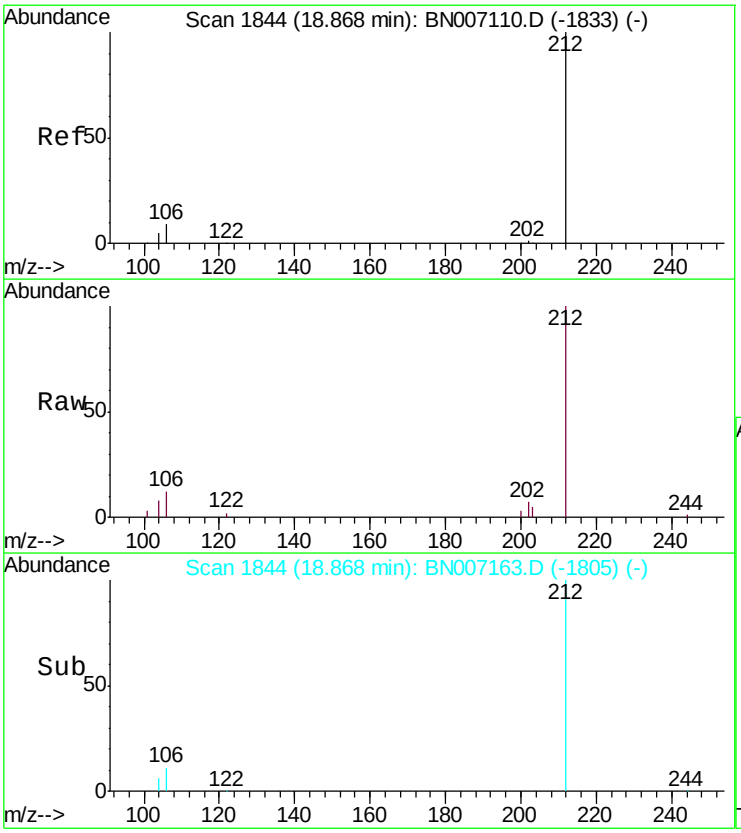
#23
Anthracene
Concen: 0.918 ng
RT: 16.96 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW115-073119

Tgt Ion:178 Resp: 116018

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	15.8	12.5	18.7

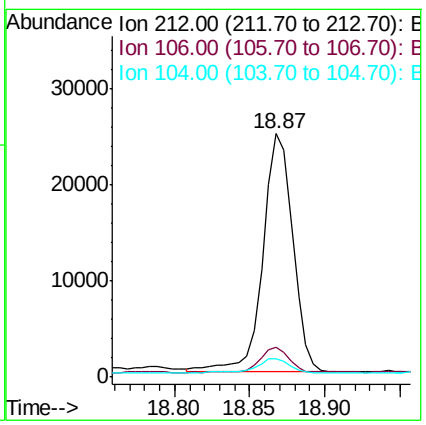


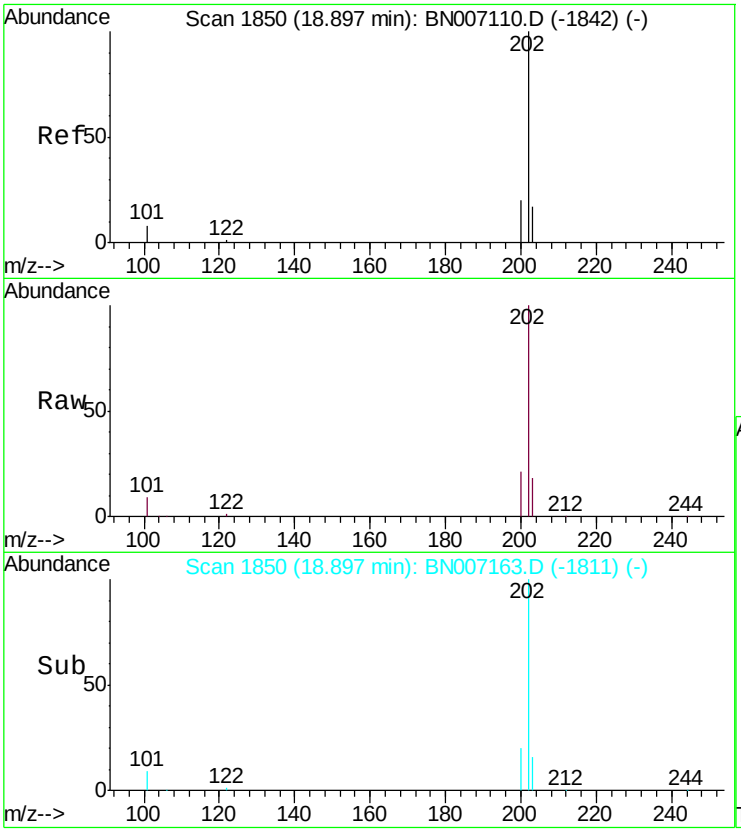


#24
Fluoranthene-d10
Concen: 0.209 ng
RT: 18.87 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Tgt Ion:212 Resp: 34136

Ion	Ratio	Lower	Upper
212	100		
106	10.2	8.2	12.2
104	7.0	4.5	6.7#



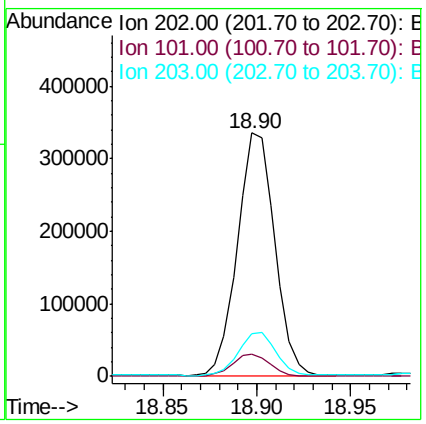


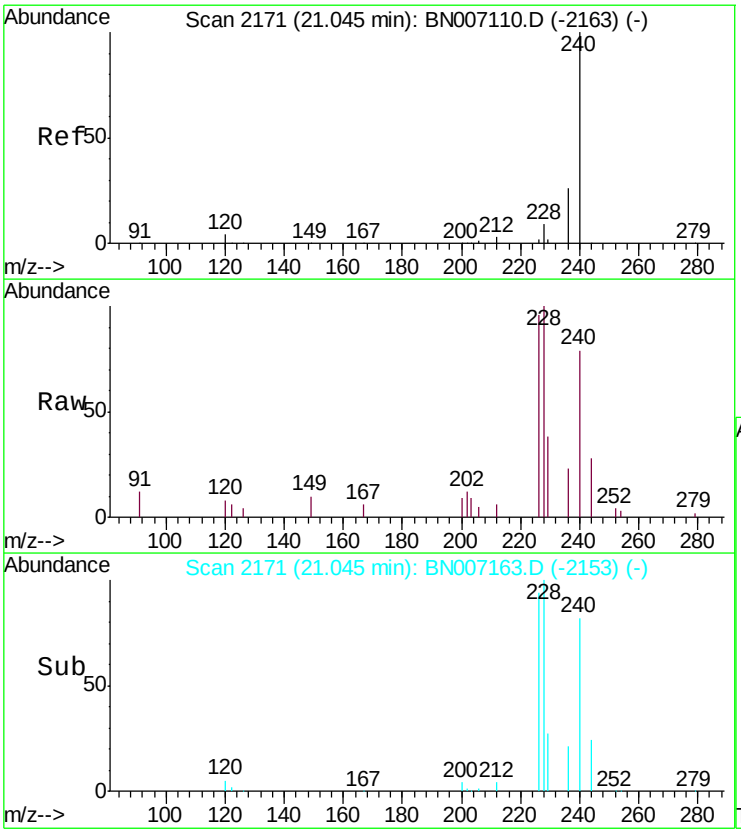
#25
Fluoranthene
Concen: 2.601 ng
RT: 18.90 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW115-073119

Tgt Ion:202 Resp: 460222

Ion	Ratio	Lower	Upper
202	100		
101	8.9	7.0	10.4
203	17.8	13.8	20.8

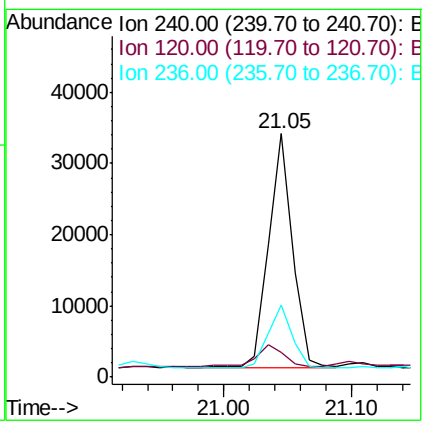


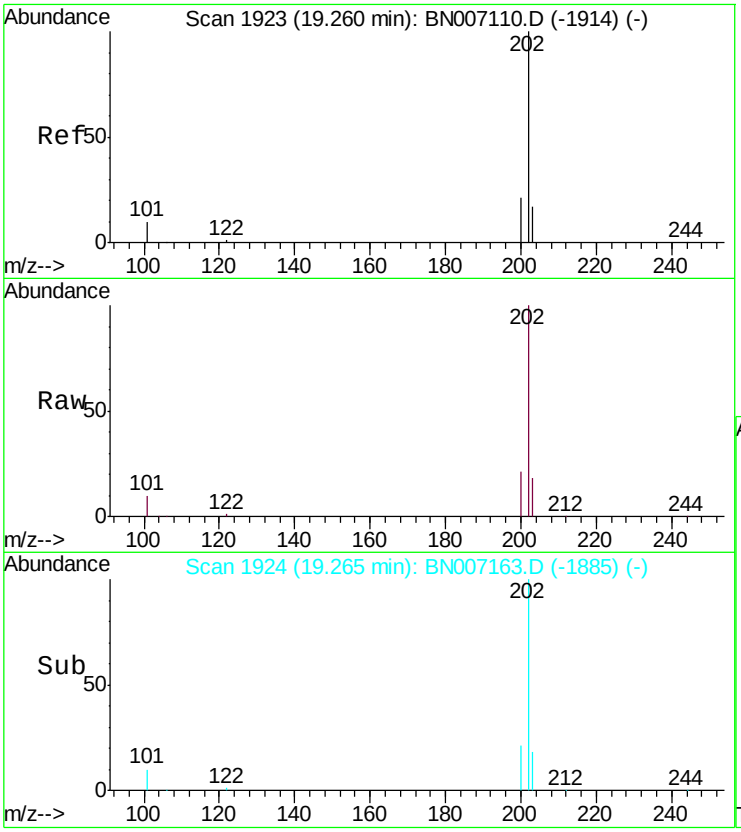


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Tgt Ion:240 Resp: 42736

Ion	Ratio	Lower	Upper
240	100		
120	10.4	4.0	6.0#
236	29.4	21.3	31.9



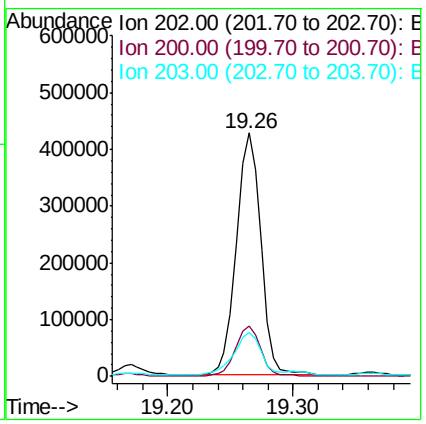


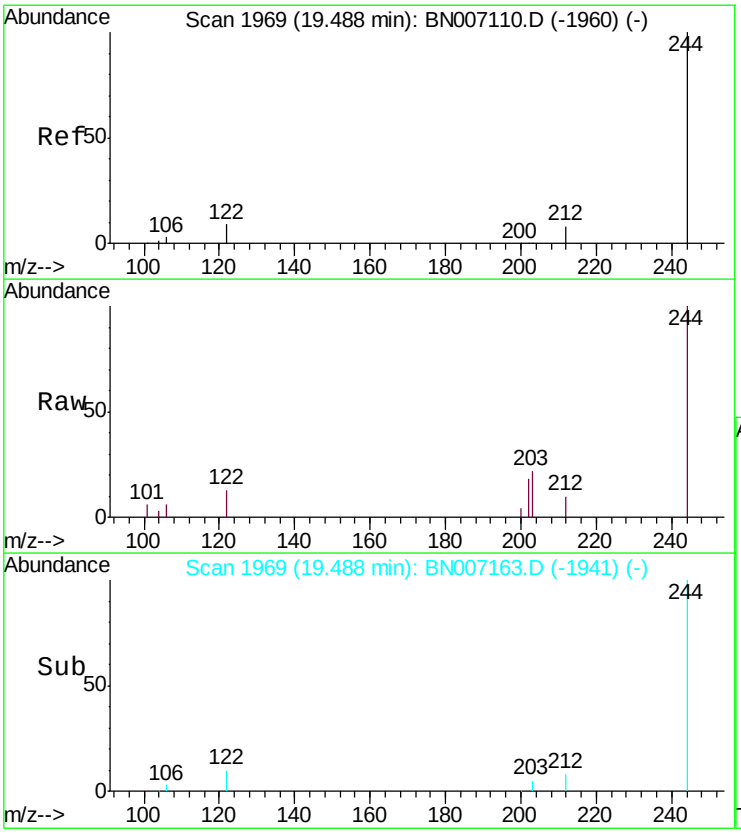
#27
Pyrene
Concen: 3.849 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW115-073119

Tgt Ion:202 Resp: 576802

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	24.8
203	19.8	14.0	21.0

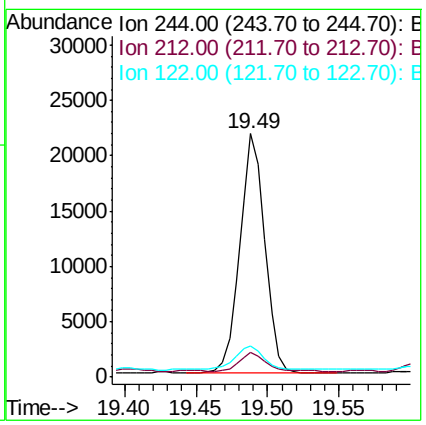


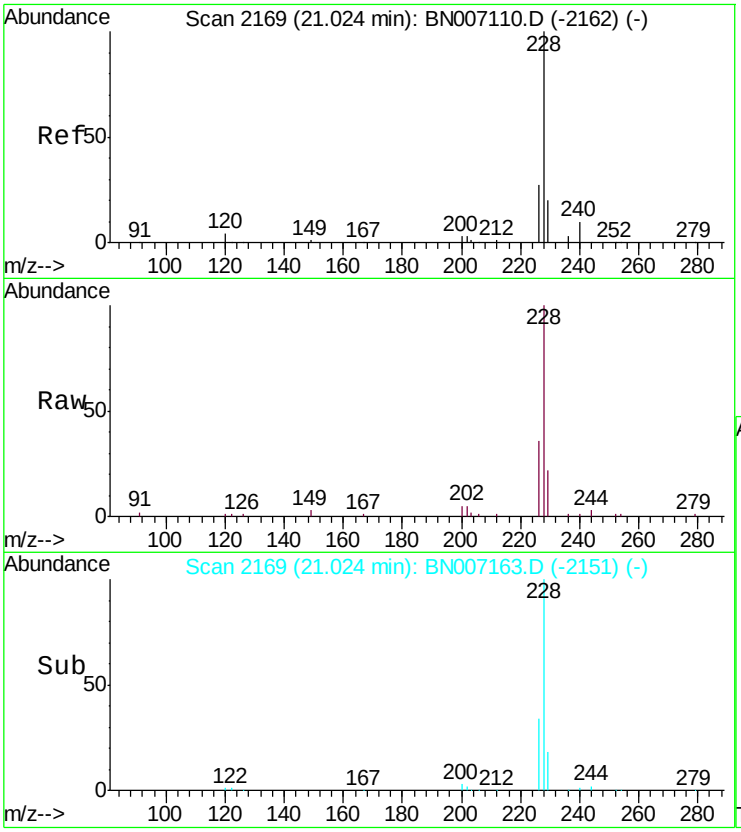


#28
Terphenyl-d14
Concen: 0.226 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Tgt Ion:244 Resp: 26318

Ion	Ratio	Lower	Upper
244	100		
212	10.1	6.2	9.2#
122	12.9	7.4	11.2#



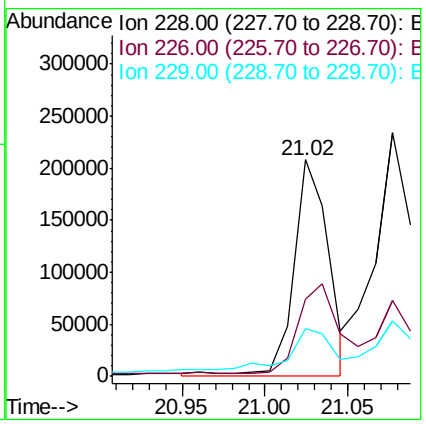


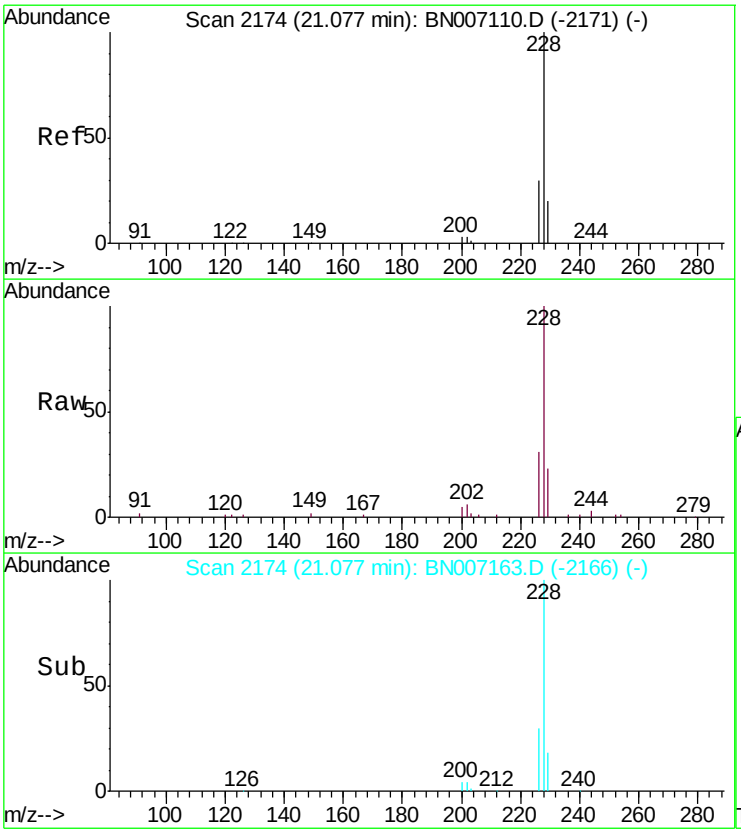
#29
Benzo(a)anthracene
Concen: 1.975 ng m
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW115-073119

Tgt Ion:228 Resp: 308705

Ion	Ratio	Lower	Upper
228	100		
226	35.5	21.8	32.6#
229	21.9	15.6	23.4

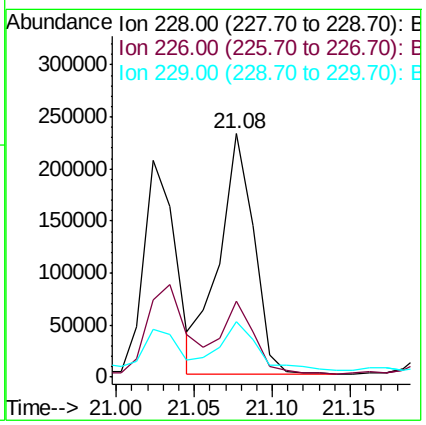


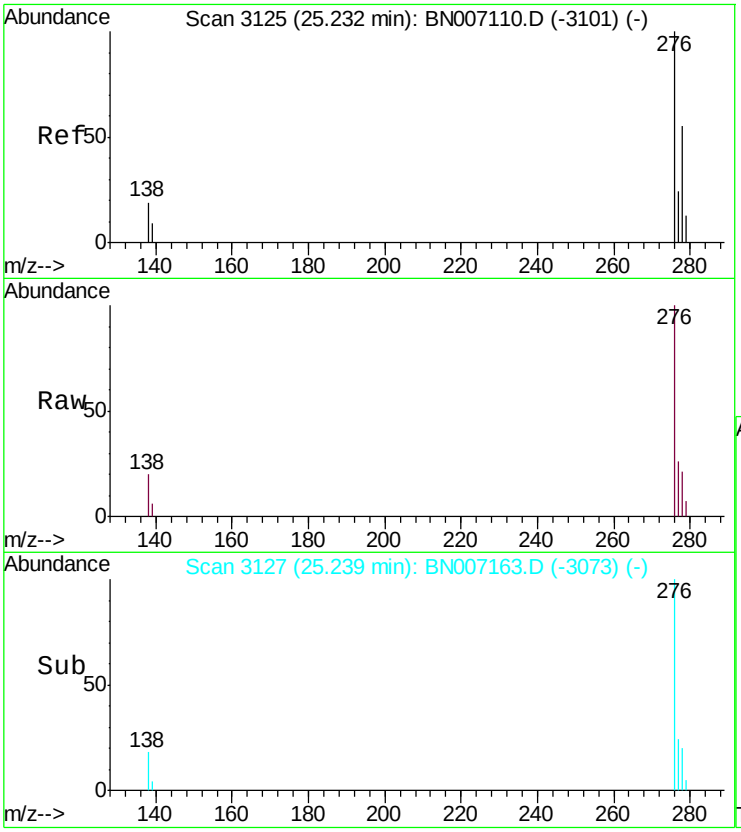


#30
Chrysene
Concen: 2.355 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Tgt Ion:228 Resp: 357642

Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.8	35.6
229	23.0	15.7	23.5



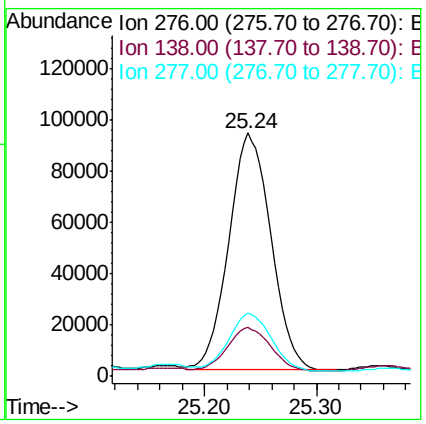


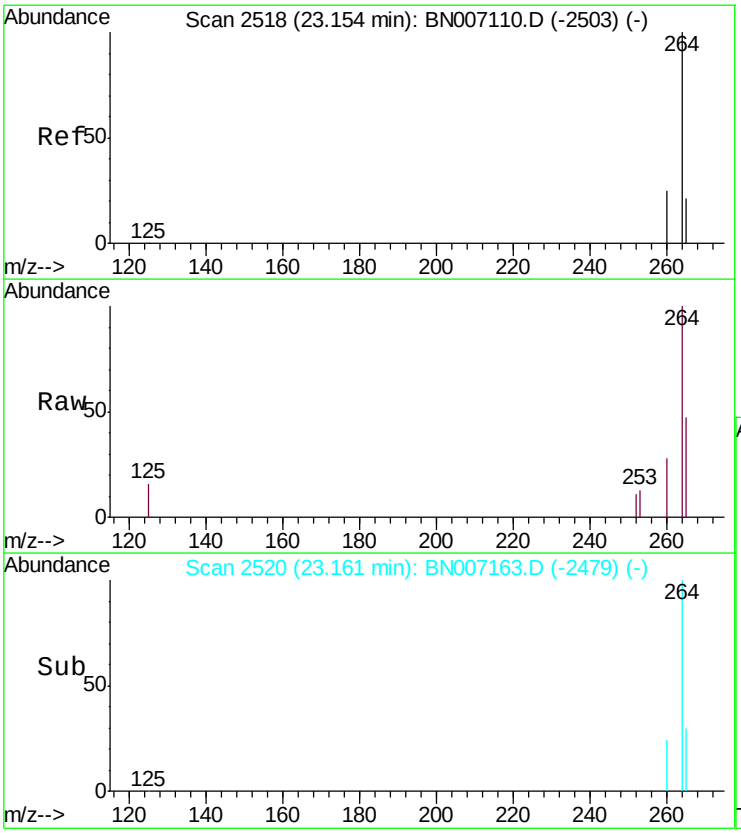
#31
Indeno(1,2,3-cd)pyrene
Concen: 1.445 ng
RT: 25.24 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW115-073119

Tgt Ion:276 Resp: 241877

Ion	Ratio	Lower	Upper
276	100		
138	18.8	16.0	24.0
277	24.8	19.9	29.9

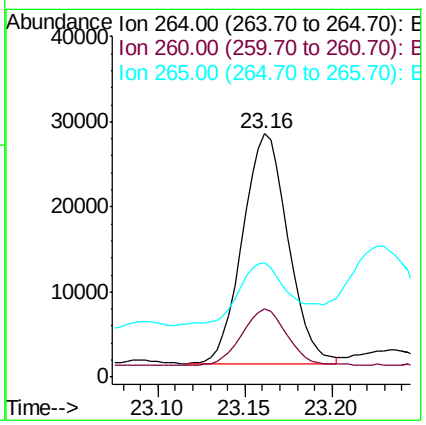


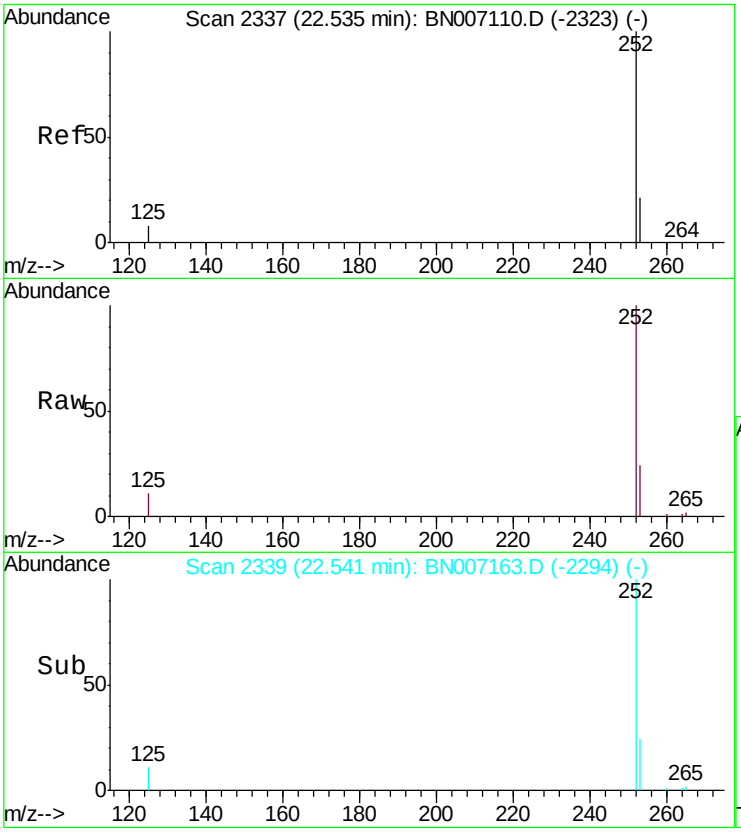


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Tgt Ion:264 Resp: 49363

Ion	Ratio	Lower	Upper
264	100		
260	27.8	19.8	29.8
265	47.0	26.2	39.4#



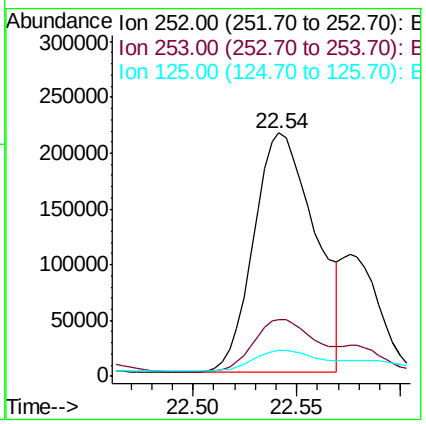


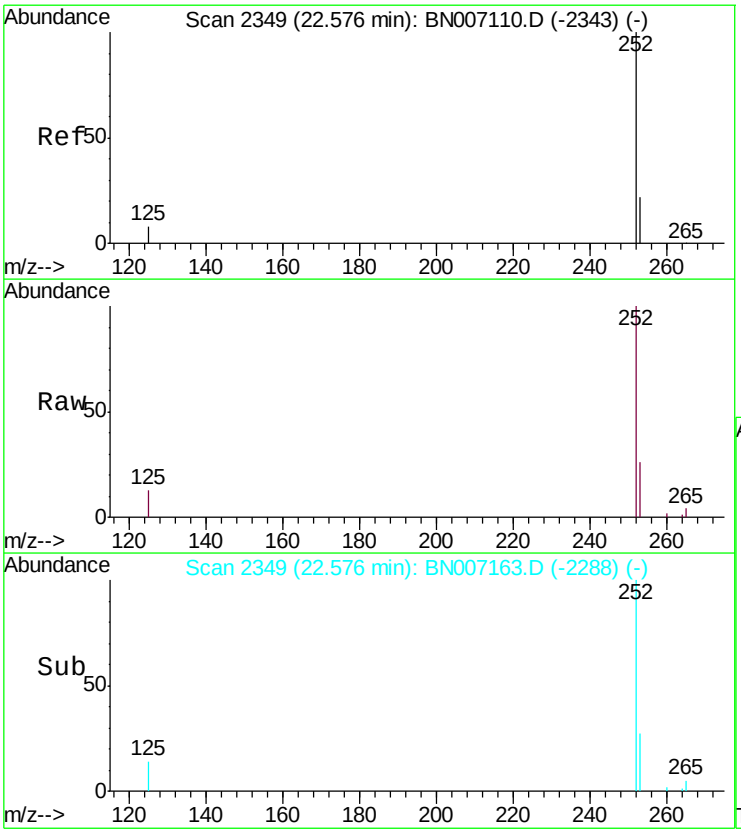
#33
Benzo(b)fluoranthene
Concen: 2.616 ng
RT: 22.54 min Scan# 2339
Delta R.T. -0.01 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW115-073119

Tgt Ion:252 Resp: 442866

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	10.7	7.4	11.0

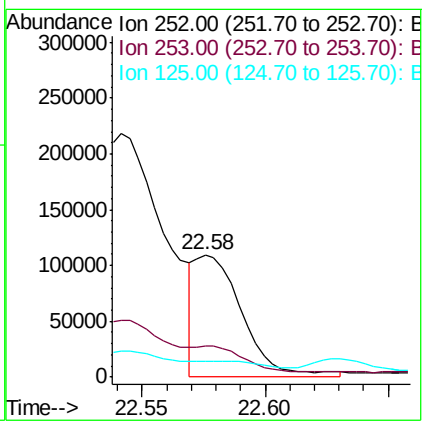


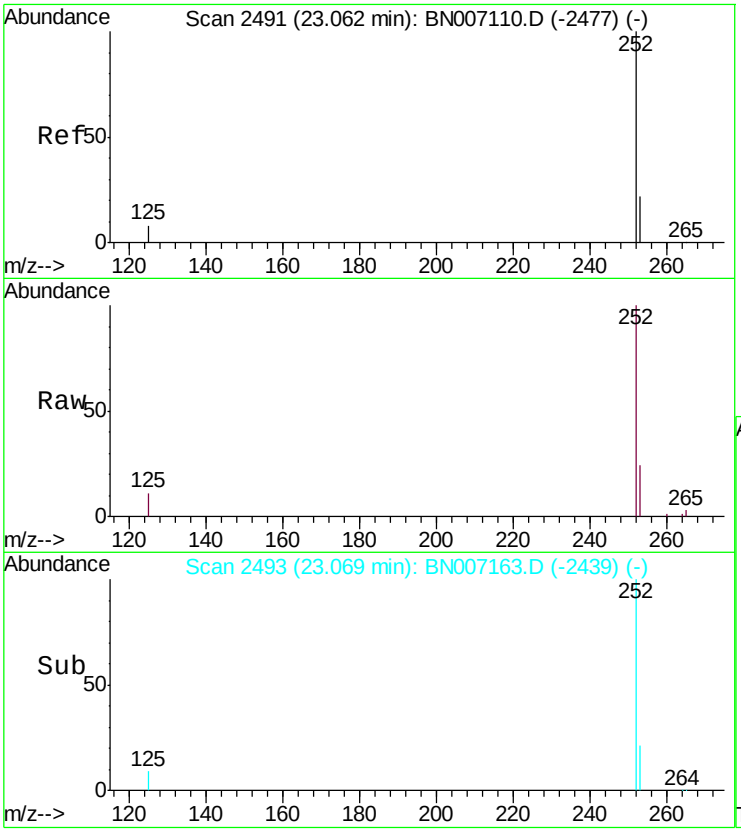


#34
Benzo(k)fluoranthene
Concen: 0.877 ng m
RT: 22.58 min Scan# 2349
Delta R.T. -0.01 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Tgt Ion:252 Resp: 146592

Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.1	27.1
125	13.1	7.4	11.0#



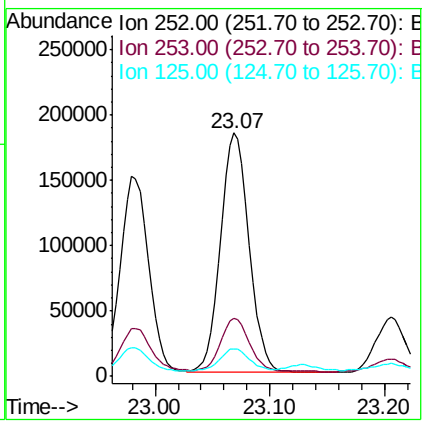


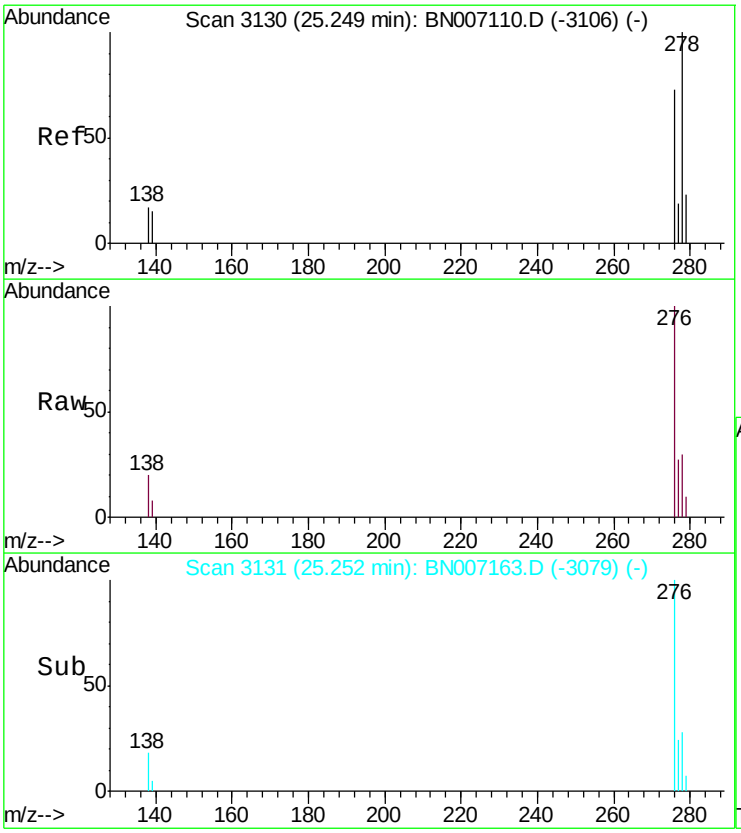
#35
Benzo(a)pyrene
Concen: 2.088 ng
RT: 23.07 min Scan# 2493
Delta R.T. -0.01 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW115-073119

Tgt Ion:252 Resp: 320446

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.5	27.7
125	11.4	8.2	12.4

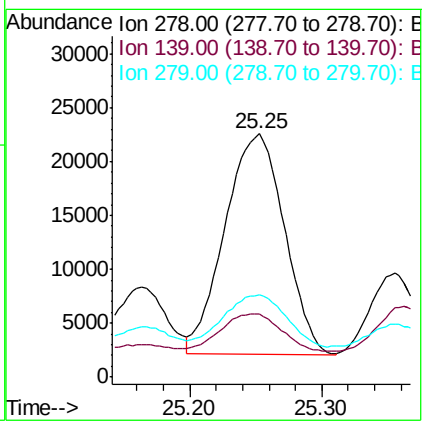


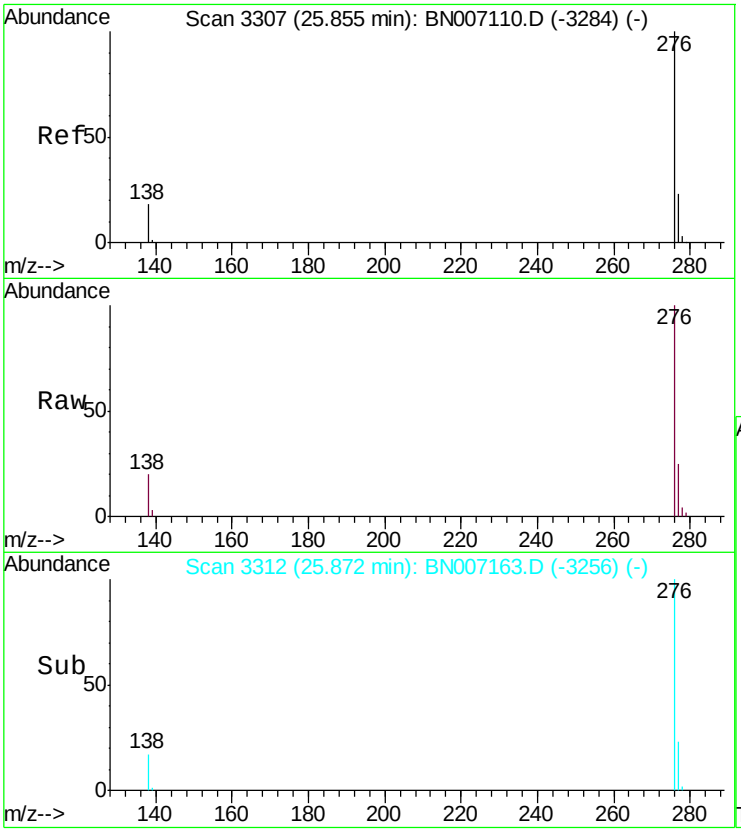


#36
Dibenzo(a,h)anthracene
Concen: 0.420 ng
RT: 25.25 min Scan# 3131
Delta R.T. -0.02 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Tgt Ion:278 Resp: 64264

Ion	Ratio	Lower	Upper
278	100		
139	25.9	11.3	16.9#
279	33.6	19.3	28.9#





#37
Benzo(g,h,i)perylene
Concen: 1.669 ng
RT: 25.87 min Scan# 3312
Delta R.T. -0.01 min
Lab File: BN007163.D
Acq: 14 Aug 2019 11:09

Instrument :
BNA_N
ClientSampleId :
EXT-008-SW115-073119

Tgt Ion:276 Resp: 262851

Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.8	29.8
138	19.8	14.6	22.0