Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
Data File : BN007105.D
Acq On : 12 Aug 2019 19:30
Operator : HP/JU
Sample : K4143-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EXT-023-SW071-073019

Manual Integrations APPROVED
mohammad
8/14/2019 2:52:00 AM

Quant Time: Aug 13 05:27:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 10 21:44:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	8608	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	32923	0.40	ng		0.00
12) Acenaphthene-d10	14.08	164	18781	0.40	ng		0.00
18) Phenanthrene-d10	16.82	188	47544	0.40	ng		0.00
26) Chrysene-d12	21.05	240	49149	0.40	ng		-0.01
32) Perylene-d12	23.16	264	53410	0.40	ng		-0.01
System Monitoring Compounds							
3) 2-Fluorophenol	5.06	112	5502	0.27	ng		0.00
4) Phenol-d6	6.61	99	7497	0.29	ng		0.00
7) Nitrobenzene-d5	8.56	82	5844	0.22	ng		0.00
10) 2-Methylnaphthalene-d10	11.79	152	14006	0.23	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	2014	0.20	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	3720	0.14	ng		0.00
24) Fluoranthene-d10	18.87	212	39634	0.24	ng		0.00
28) Terphenyl-d14	19.49	244	30517	0.23	ng		-0.01
Target Compounds							Qvalue
8) Naphthalene	10.24	128	3669	0.040	ng	#	92
11) 2-Methylnaphthalene	11.86	142	2757	0.042	ng	#	94
15) Acenaphthylene	13.79	152	26145	0.266	ng		99
16) Acenaphthene	14.13	154	2270	0.036	ng	#	93
17) Fluorene	15.12	166	4734	0.050	ng		87
22) Phenanthrene	16.87	178	116903	0.820	ng		100
23) Anthracene	16.95	178	23962	0.184	ng	#	94
25) Fluoranthene	18.90	202	270448	1.484	ng		100
27) Pyrene	19.26	202	274012	1.590	ng		96
29) Benzo(a)anthracene	21.02	228	143035	0.796	ng		93
30) Chrysene	21.08	228	165033	0.945	ng		97
31) Indeno(1,2,3-cd)pyrene	25.23	276	98480	0.512	ng		99
33) Benzo(b)fluoranthene	22.54	252	213479	1.166	ng		99
34) Benzo(k)fluoranthene	22.57	252	68202m	0.377	ng		
35) Benzo(a)pyrene	23.07	252	136397	0.821	ng		99
36) Dibenzo(a,h)anthracene	25.24	278	26237	0.158	ng	#	76
37) Benzo(g,h,i)perylene	25.86	276	101186	0.594	ng		99

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
Data File : BN007105.D
Acq On : 12 Aug 2019 19:30
Operator : HP/JU
Sample : K4143-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
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QLast Update : Sat Aug 10 21:44:50 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
EXT-023-SW071-073019

Manual Integrations APPROVED
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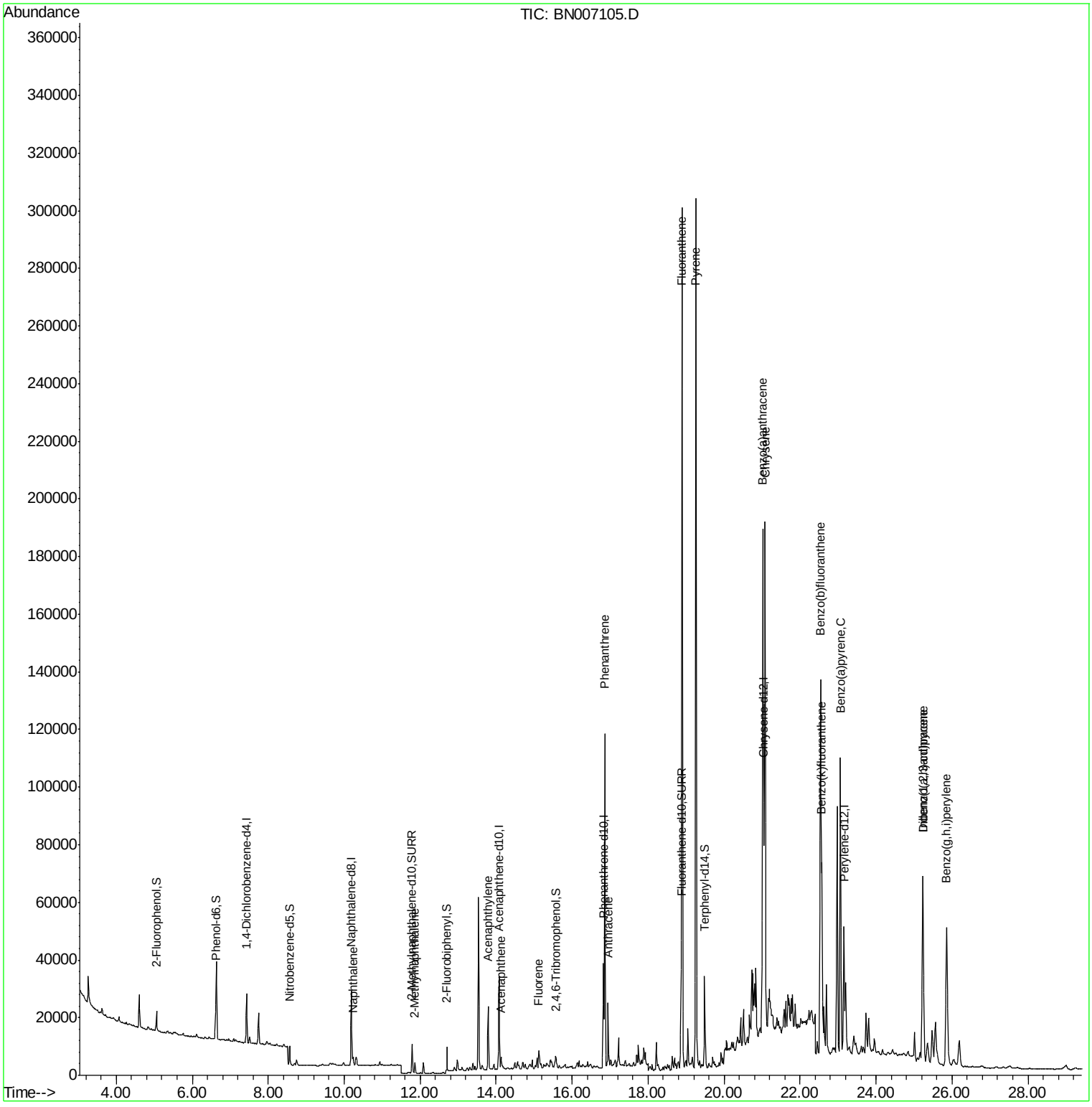
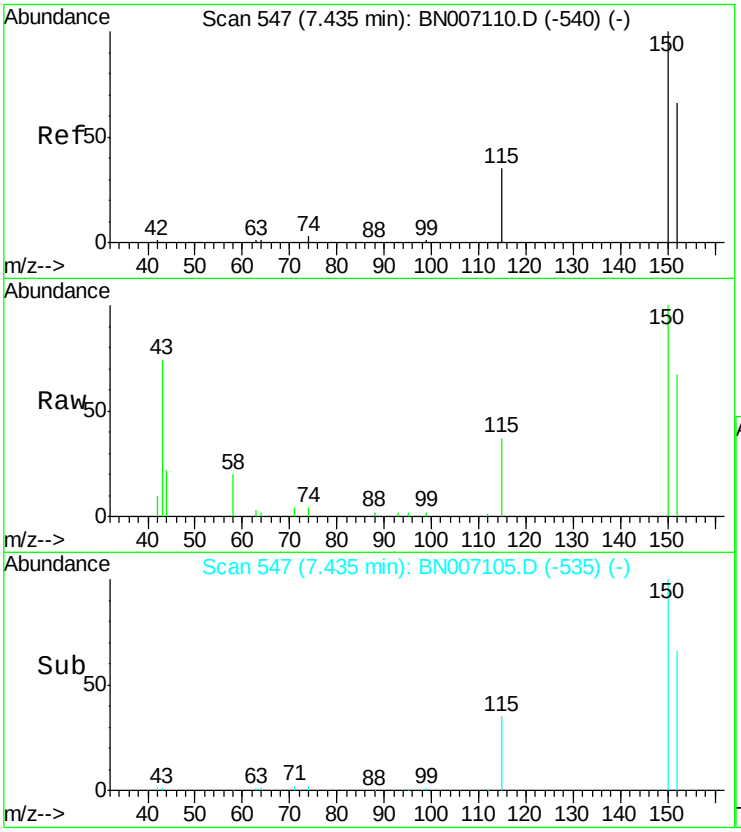
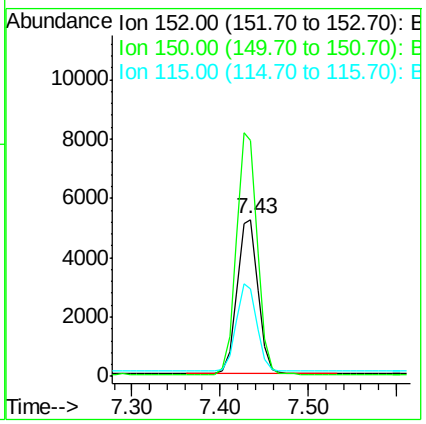




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:152 Resp: 8608

Ion	Ratio	Lower	Upper
152	100		
150	150.2	121.7	182.5
115	55.6	46.2	69.4



Instrument :
BNA_N
ClientSampleId :
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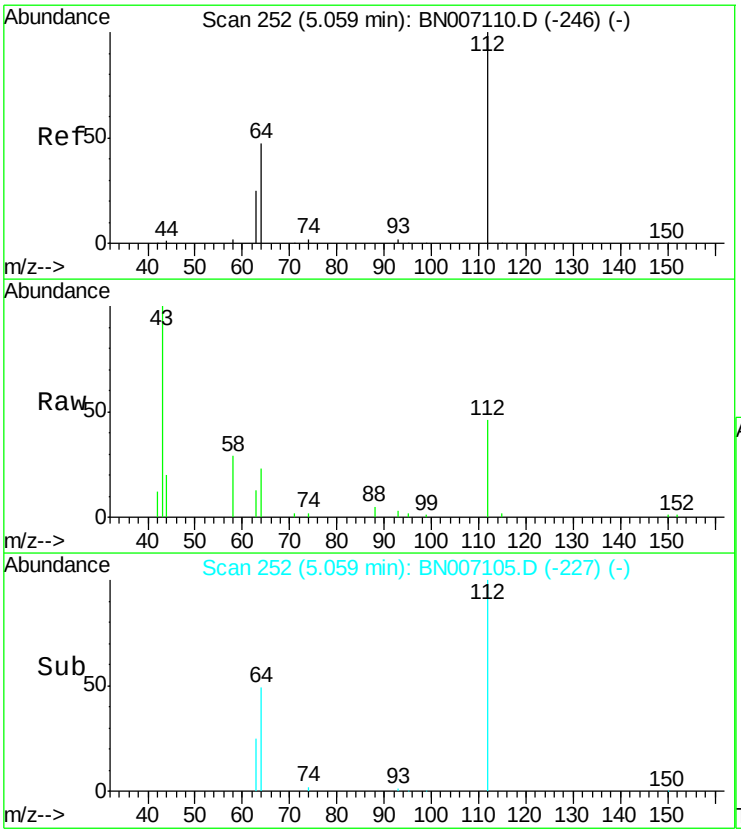
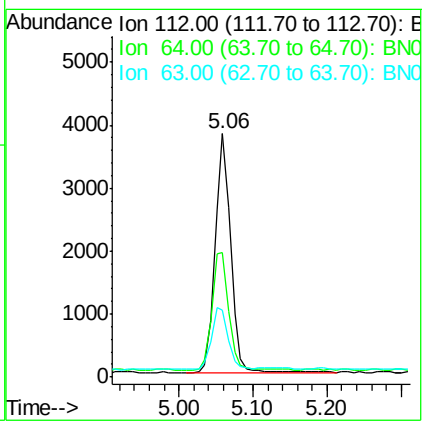
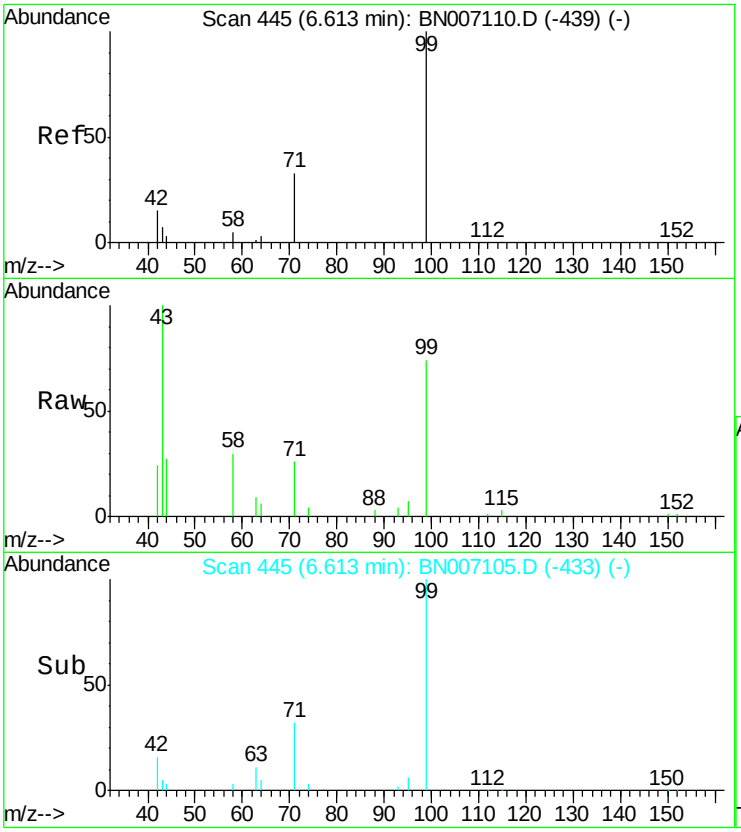


#3
2-Fluorophenol
Concen: 0.266 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:112 Resp: 5502

Ion	Ratio	Lower	Upper
112	100		
64	52.7	42.6	63.8
63	27.8	22.2	33.2

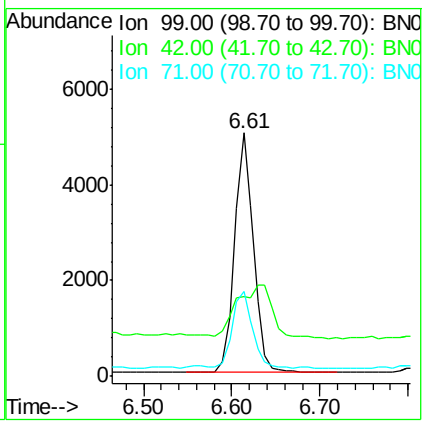




#4
Phenol-d6
Concen: 0.293 ng
RT: 6.61 min Scan# 445
Delta R.T. -0.00 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion: 99 Resp: 7497

Ion	Ratio	Lower	Upper
99	100		
42	0.0	15.8	23.6#
71	34.7	27.0	40.4



Instrument :
BNA_N
ClientSampleId :
EXT-023-SW071-073019

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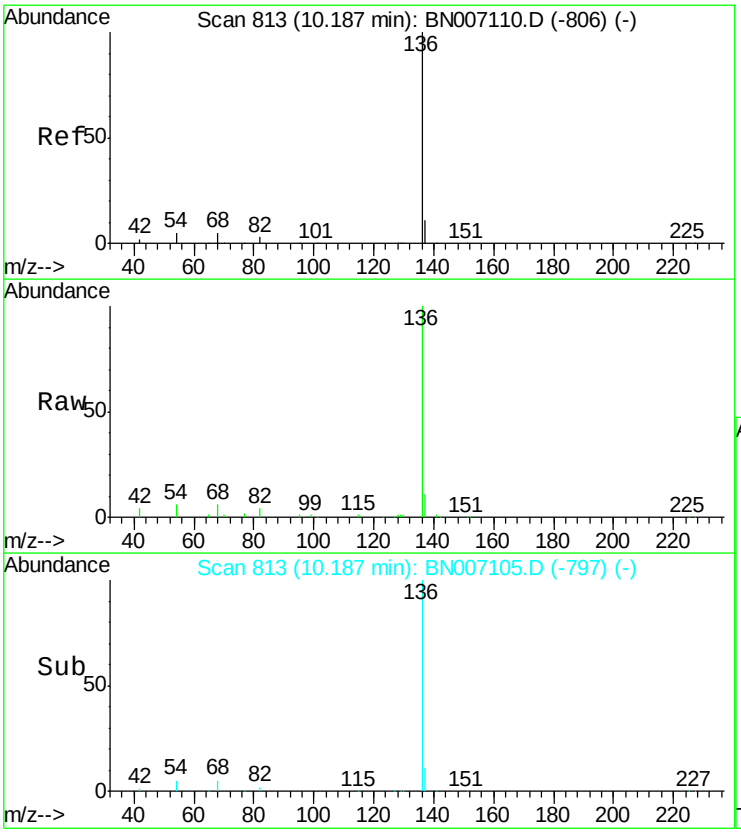
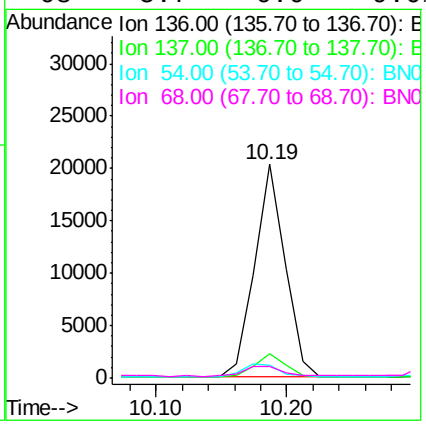
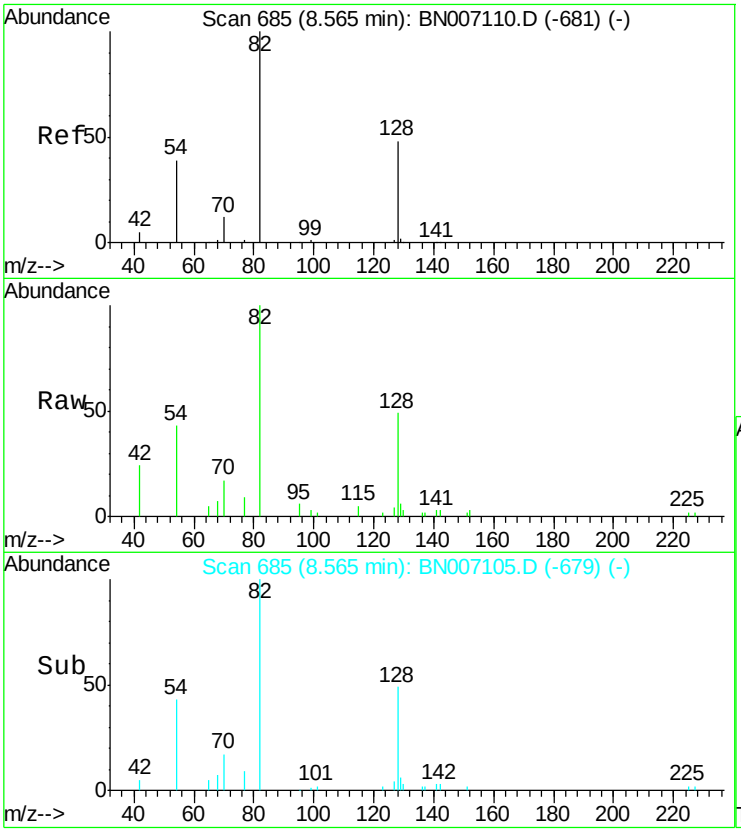


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:136 Resp: 32923

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.4	14.0
54	6.1	6.6	9.8#
68	5.7	6.0	9.0#

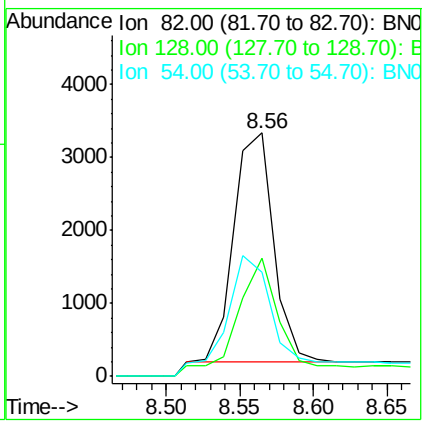




#7
Nitrobenzene-d5
Concen: 0.220 ng
RT: 8.56 min Scan# 685
Delta R.T. -0.00 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion: 82 Resp: 5844

Ion	Ratio	Lower	Upper
82	100		
128	48.5	34.6	51.8
54	42.8	36.2	54.4



Instrument :
BNA_N
ClientSampleId :
EXT-023-SW071-073019

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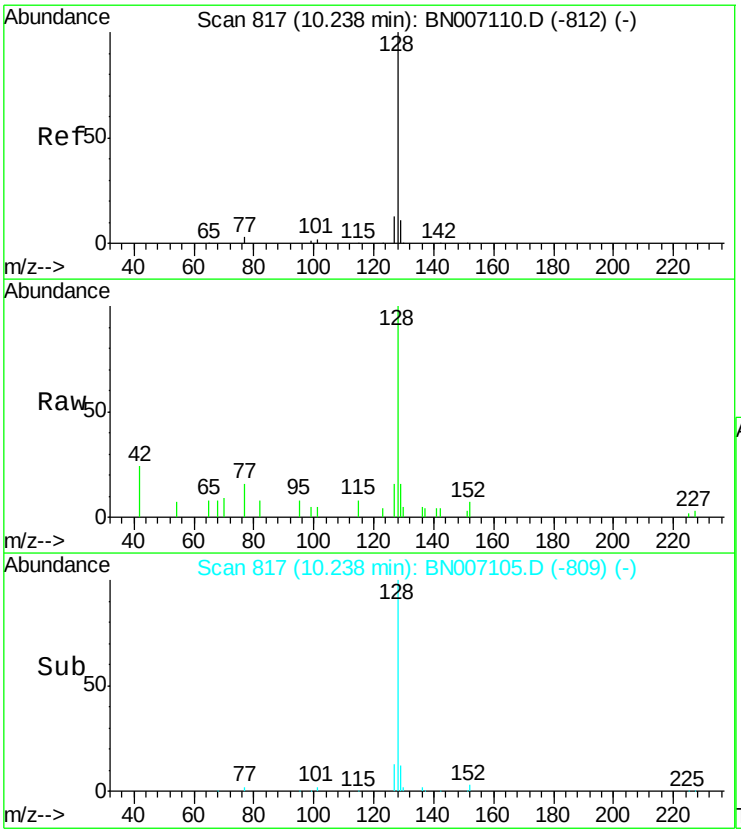
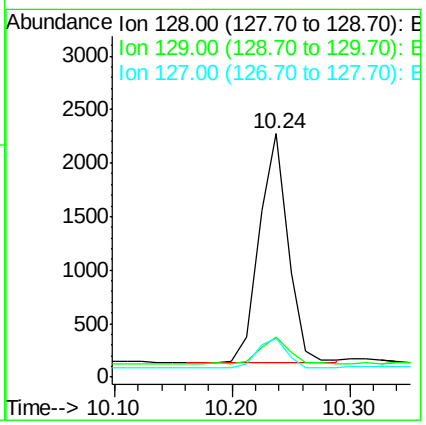
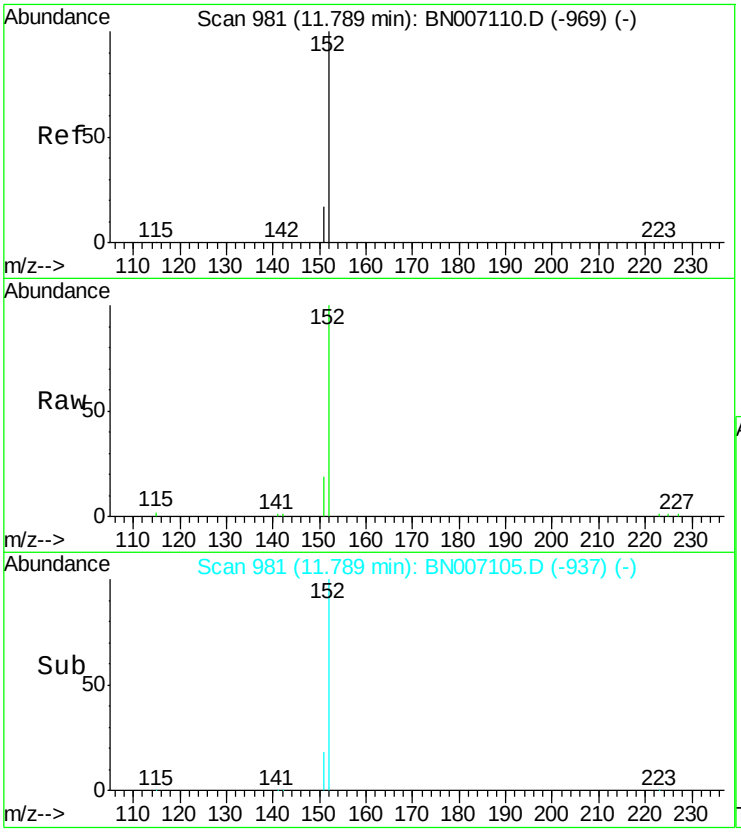


#8
Naphthalene
Concen: 0.040 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:128 Resp: 3669

Ion	Ratio	Lower	Upper
128	100		
129	16.2	9.4	14.2#
127	16.1	11.0	16.6

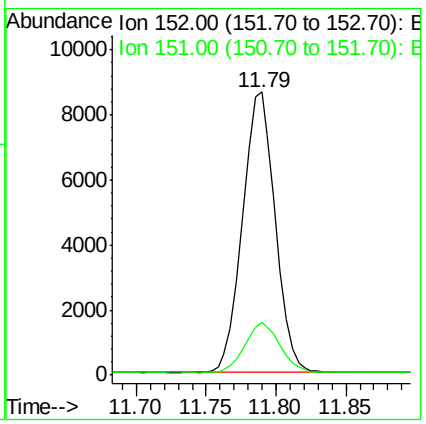




#10
2-Methylnaphthalene-d10
Concen: 0.228 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:152 Resp: 14006

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3



Instrument :
BNA_N
ClientSampleId :
EXT-023-SW071-073019

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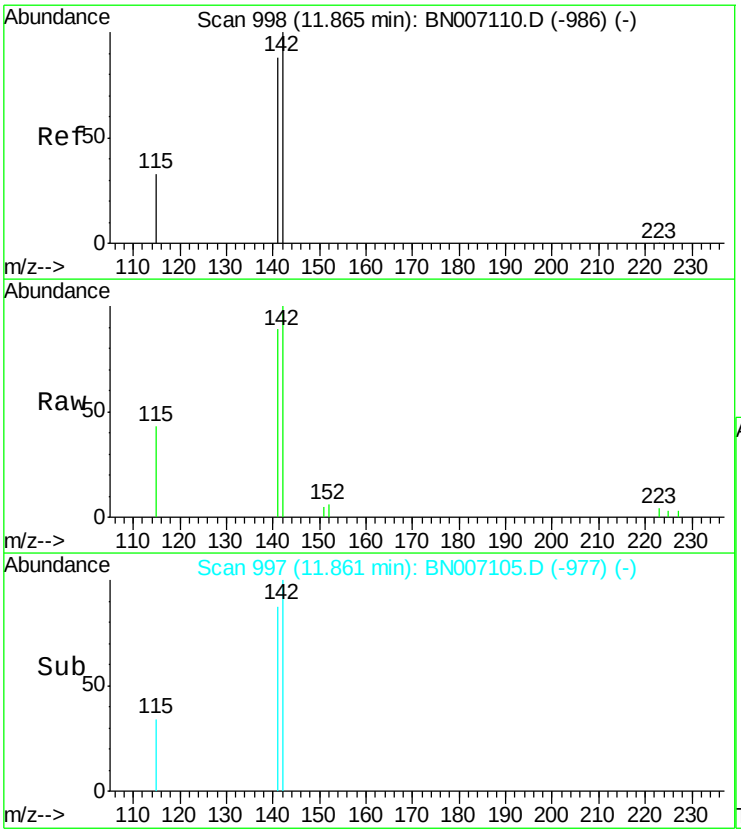
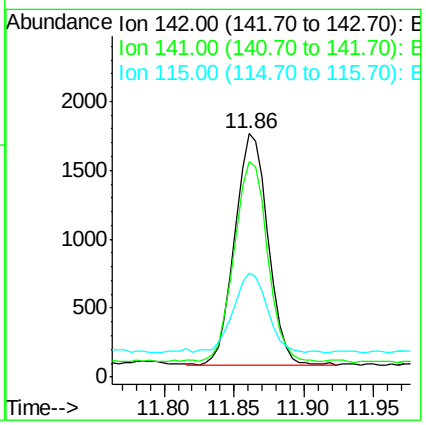
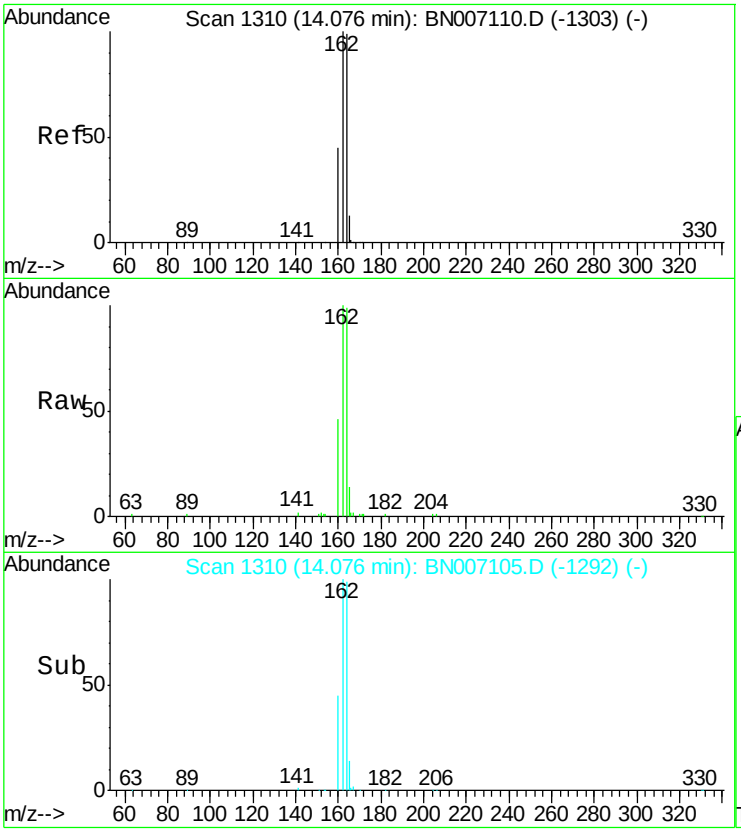


#11
2-Methylnaphthalene
Concen: 0.042 ng
RT: 11.86 min Scan# 997
Delta R.T. -0.01 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:142 Resp: 2757

Ion	Ratio	Lower	Upper
142	100		
141	88.5	69.0	103.6
115	42.9	27.1	40.7#

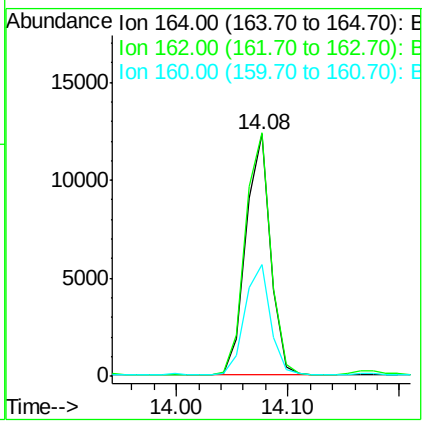




#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:164 Resp: 18781

Ion	Ratio	Lower	Upper
164	100		
162	100.6	82.2	123.4
160	46.1	38.3	57.5



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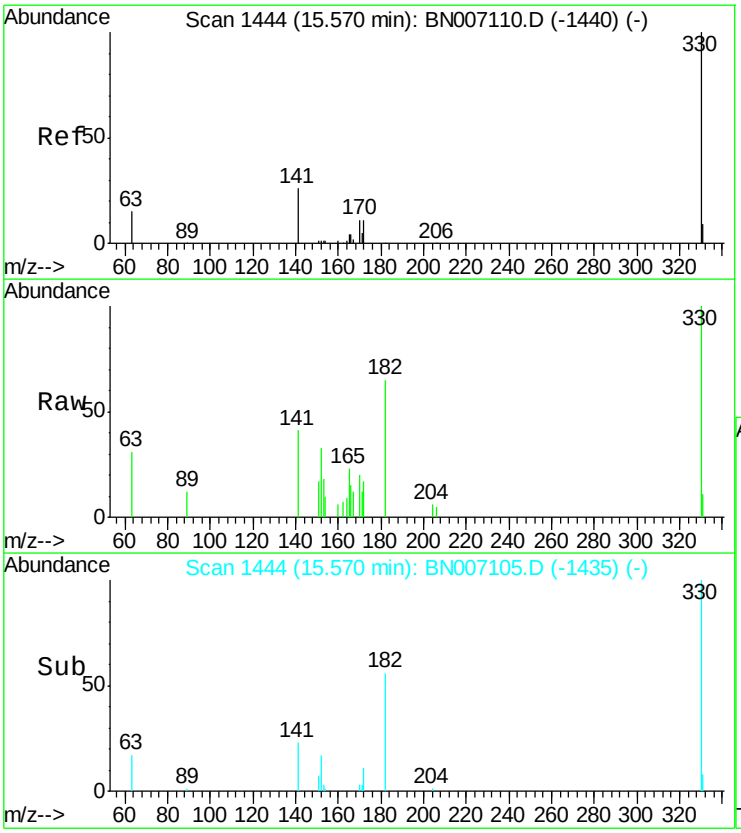
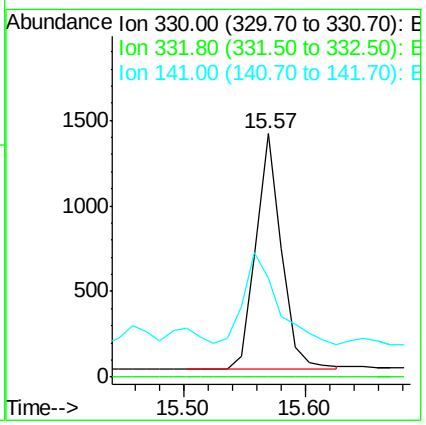
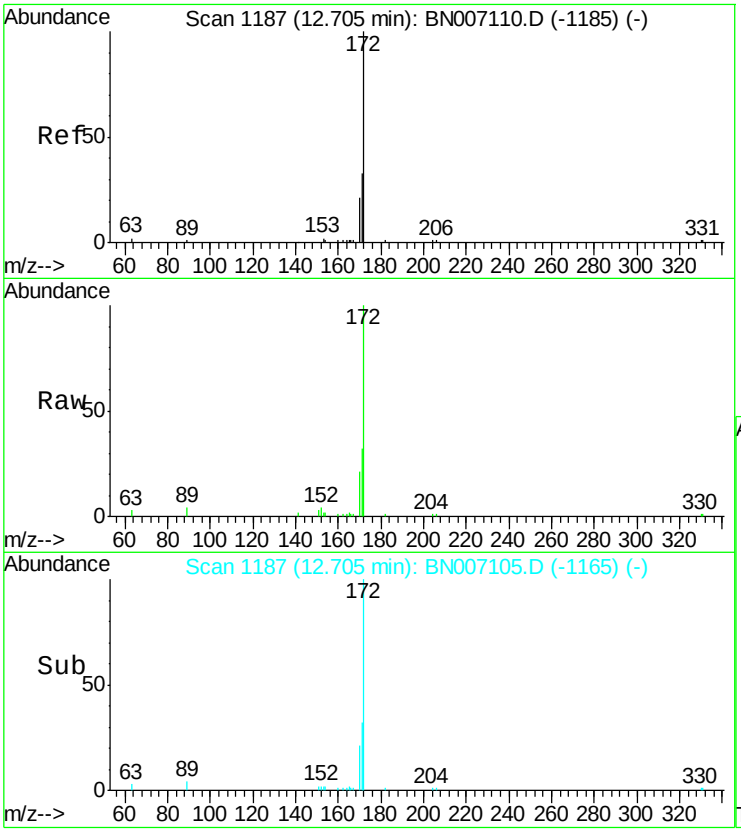


#13
2,4,6-Tribromophenol
Concen: 0.199 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:330 Resp: 2014

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	52.4	33.6	50.4#

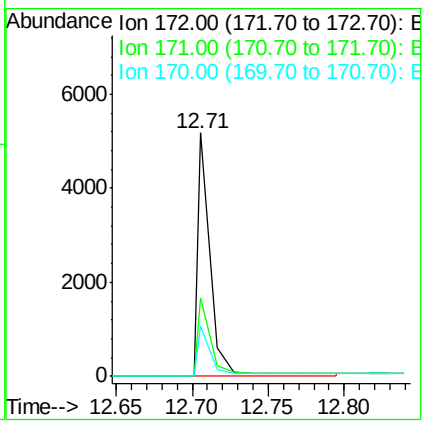




#14
2-Fluorobiphenyl
Concen: 0.136 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:172 Resp: 3720

Ion	Ratio	Lower	Upper
172	100		
171	32.4	26.3	39.5
170	20.7	17.0	25.4



Instrument :
BNA_N
ClientSampleId :
EXT-023-SW071-073019

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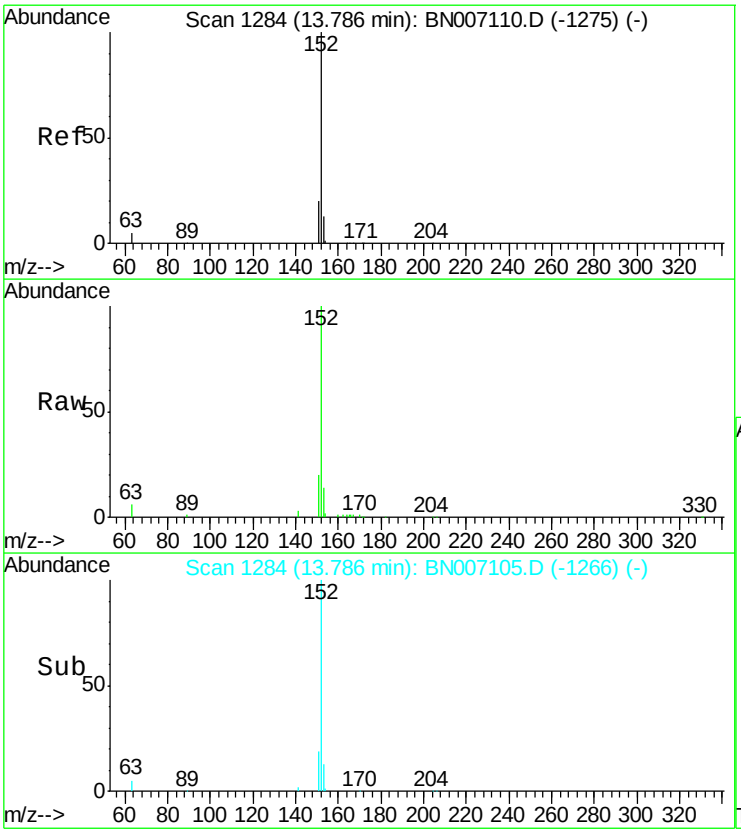
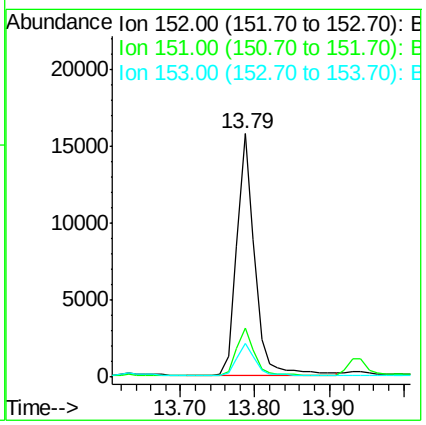
8/14/2019 2:52:00 AM

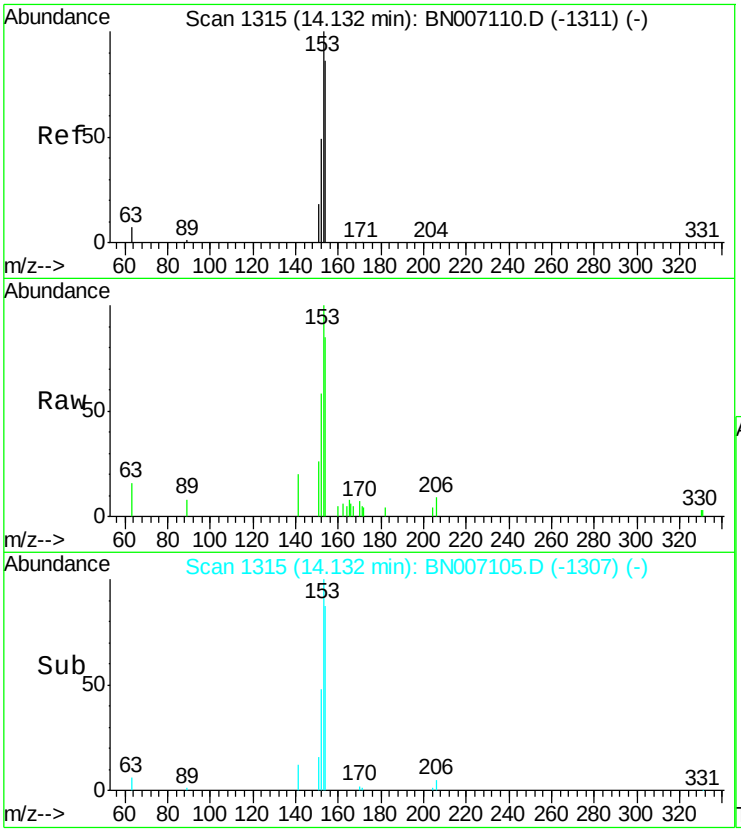


#15
Acenaphthylene
Concen: 0.266 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:152 Resp: 26145

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	13.8	10.4	15.6

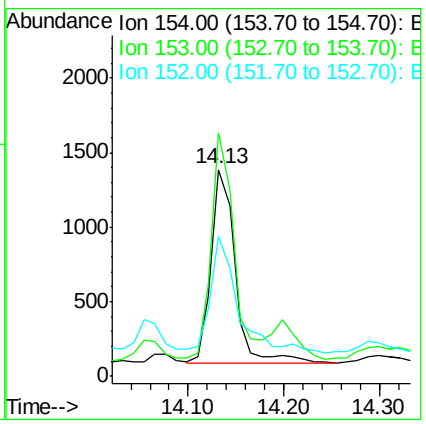




#16
Acenaphthene
Concen: 0.036 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:154 Resp: 2270

Ion	Ratio	Lower	Upper
154	100		
153	109.1	89.5	134.3
152	67.7	44.8	67.2#



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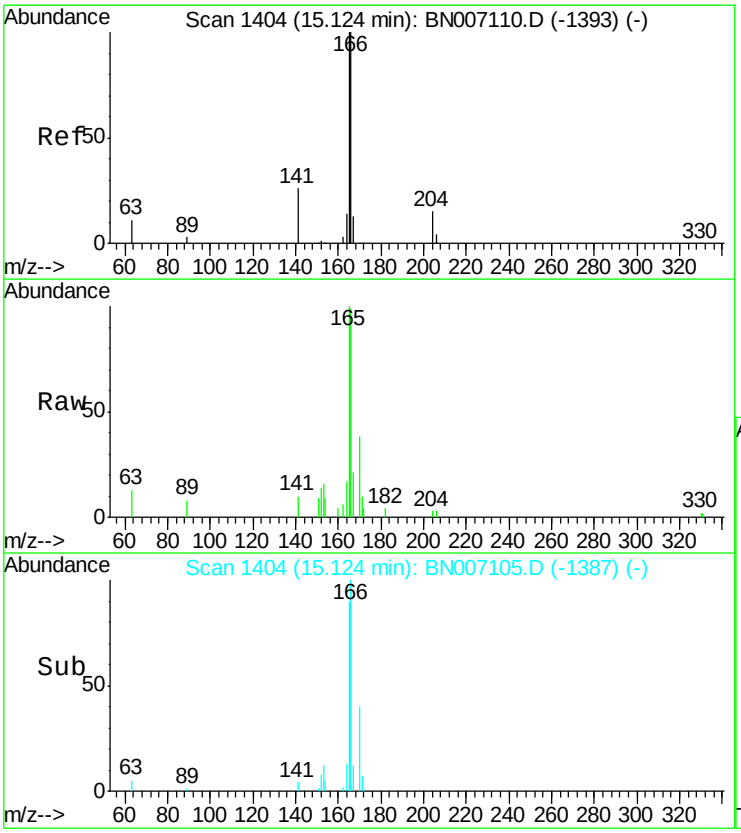
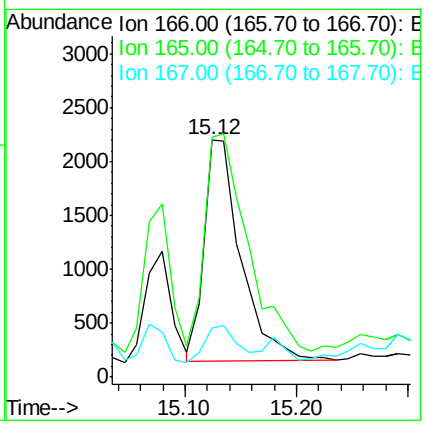
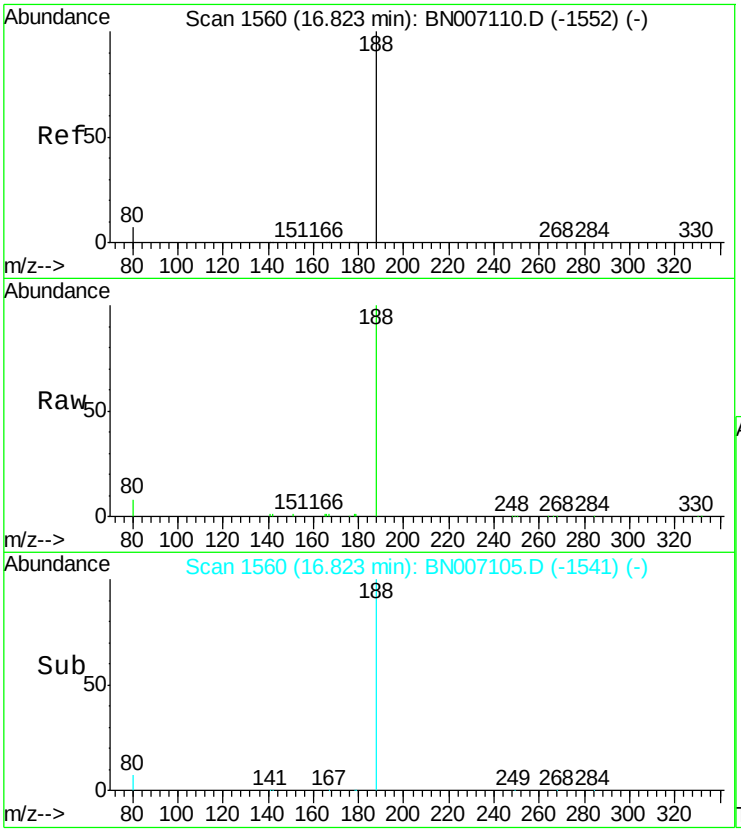


#17
Fluorene
Concen: 0.050 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:166 Resp: 4734

Ion	Ratio	Lower	Upper
166	100		
165	112.1	77.9	116.9
167	14.7	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: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:188 Resp: 47544

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.6	7.8	11.6#

Instrument :
BNA_N
ClientSampleId :
EXT-023-SW071-073019

Manual Integrations APPROVED
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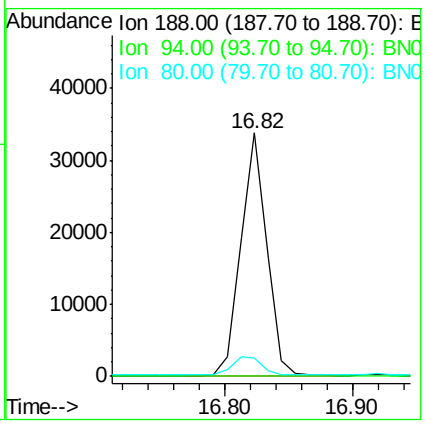
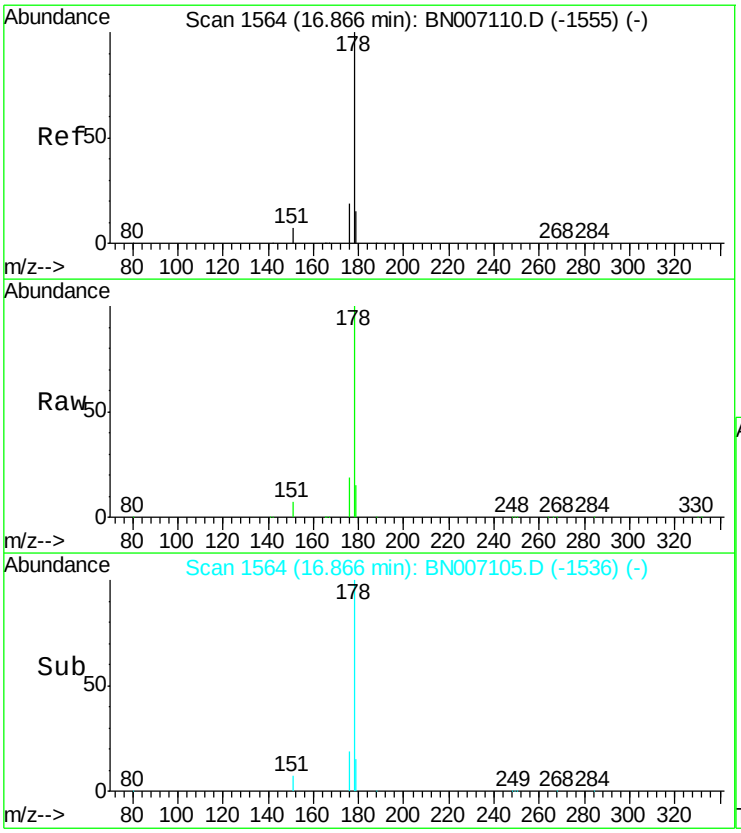
8/14/2019 2:52:00 AM

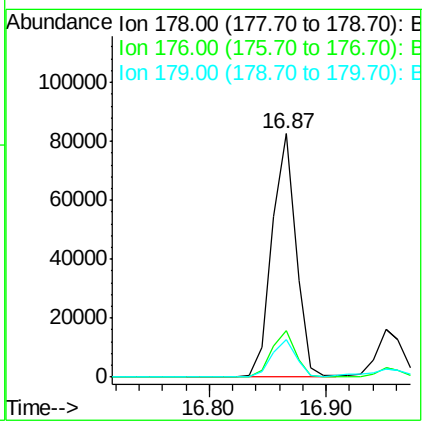


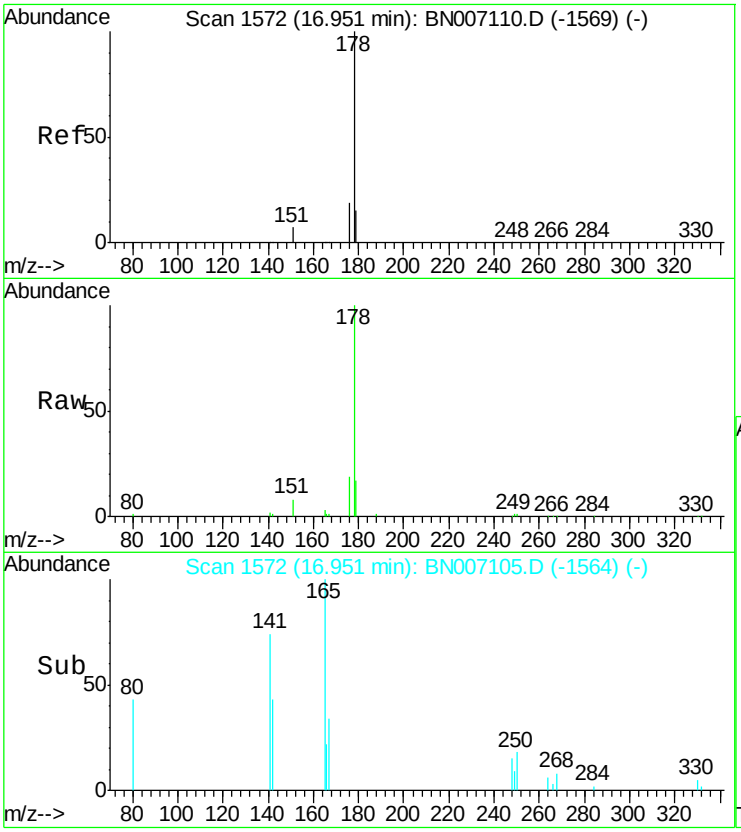


#22
Phenanthrene
Concen: 0.820 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:178 Resp: 116903

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

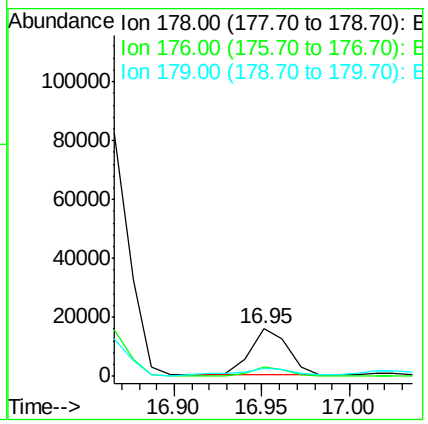




#23
Anthracene
Concen: 0.184 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:178 Resp: 23962

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	21.8
179	20.7	12.5	18.7#



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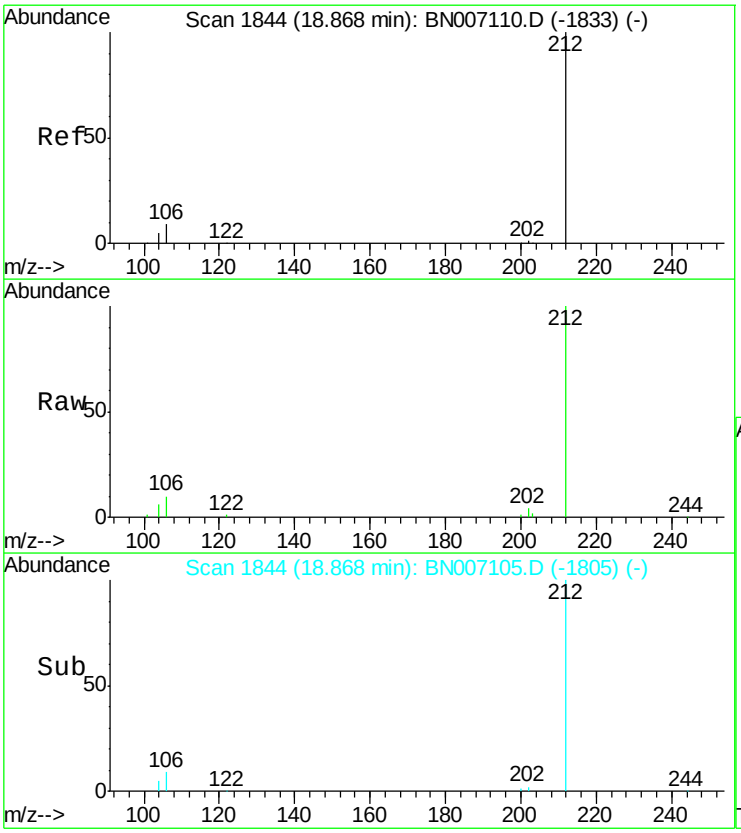
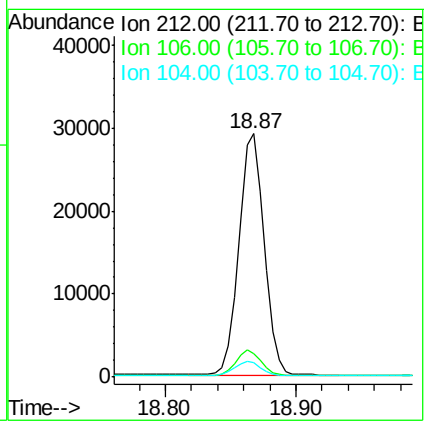
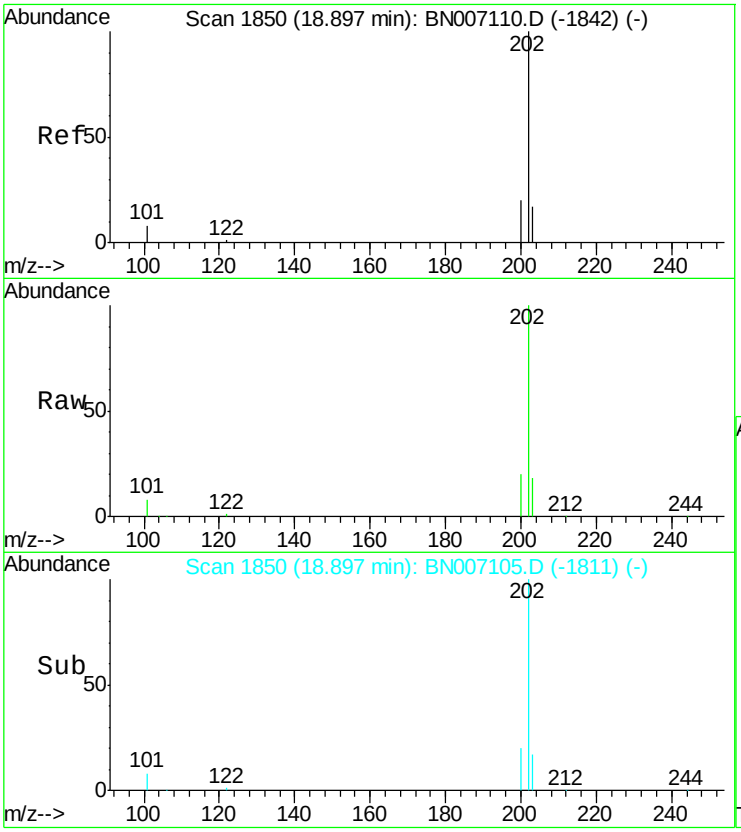


#24
Fluoranthene-d10
Concen: 0.235 ng
RT: 18.87 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:212 Resp: 39634

Ion	Ratio	Lower	Upper
212	100		
106	10.3	8.2	12.2
104	5.8	4.5	6.7

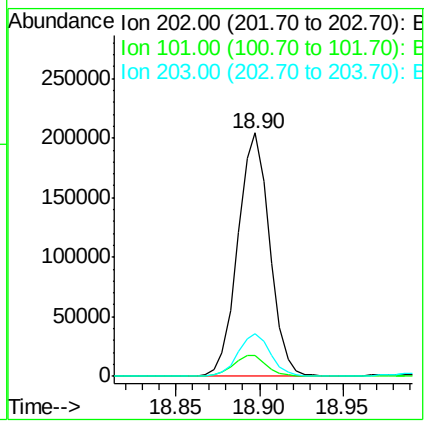




#25
Fluoranthene
Concen: 1.484 ng
RT: 18.90 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:202 Resp: 270448

Ion	Ratio	Lower	Upper
202	100		
101	8.7	7.0	10.4
203	17.4	13.8	20.8



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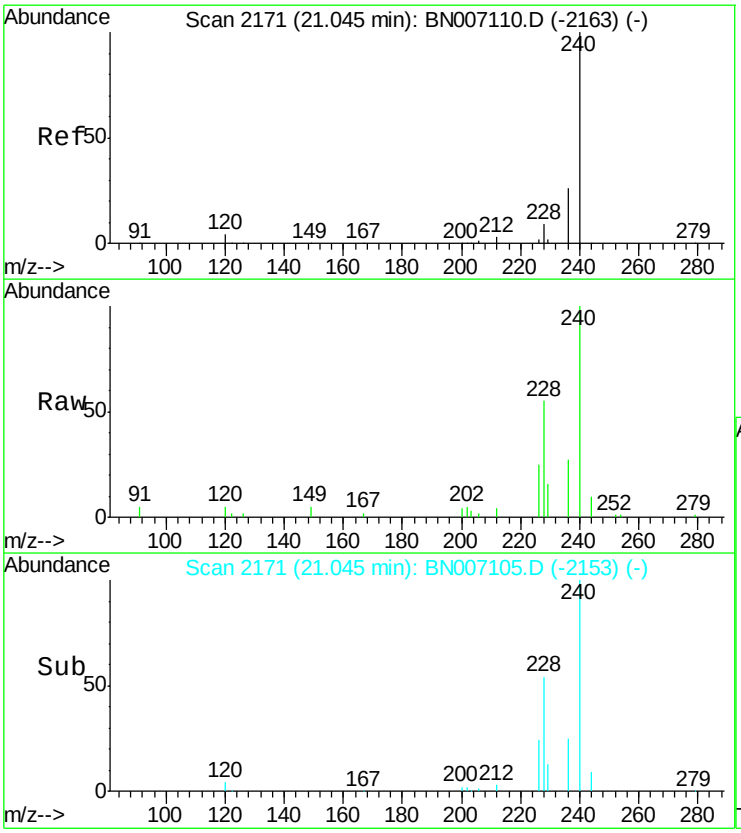
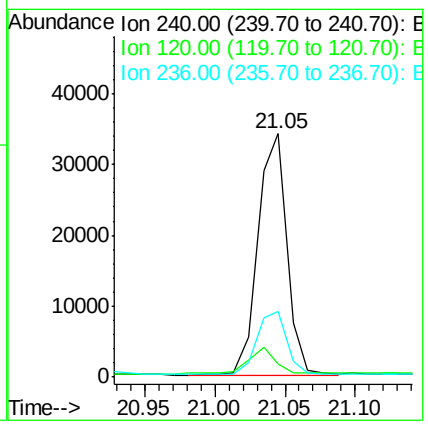
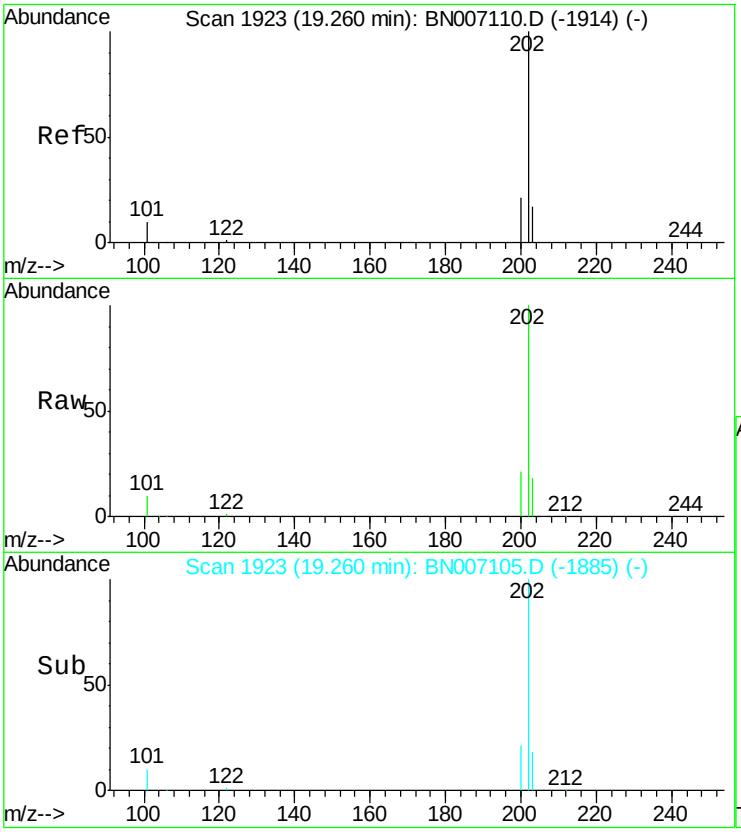


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:240 Resp: 49149

Ion	Ratio	Lower	Upper
240	100		
120	5.5	4.0	6.0
236	26.9	21.3	31.9





#27
Pyrene
Concen: 1.590 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:202 Resp: 274012

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	20.7	14.0	21.0

Instrument :
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ClientSampleId :
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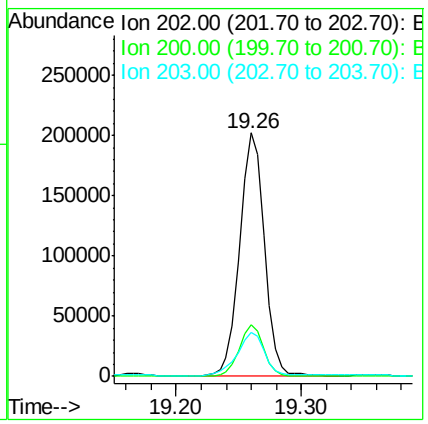
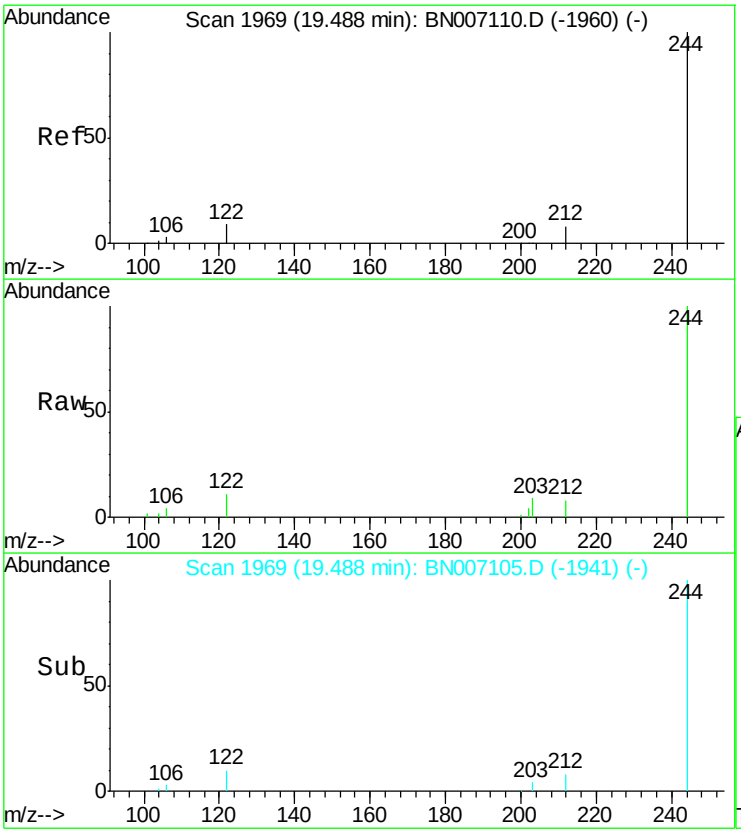
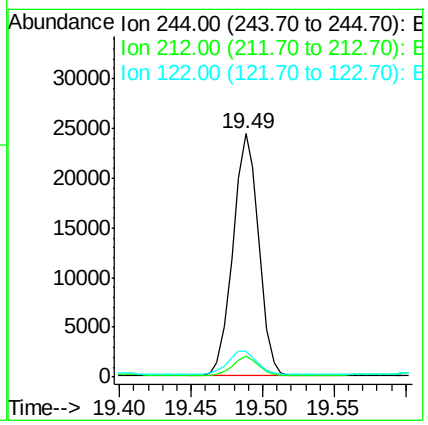


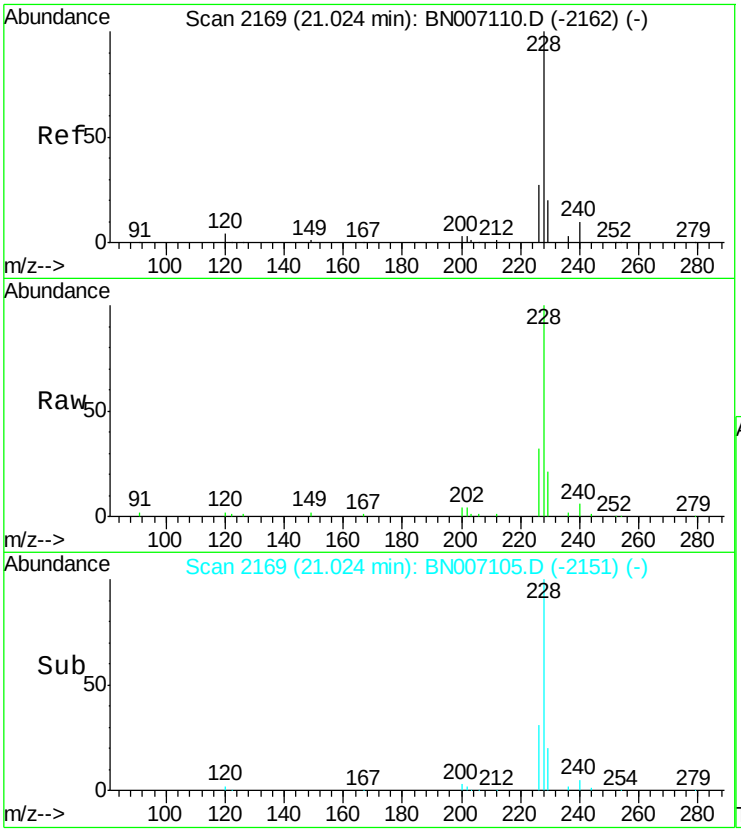


#28
Terphenyl-d14
Concen: 0.228 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:244 Resp: 30517

Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.2	9.2
122	10.9	7.4	11.2

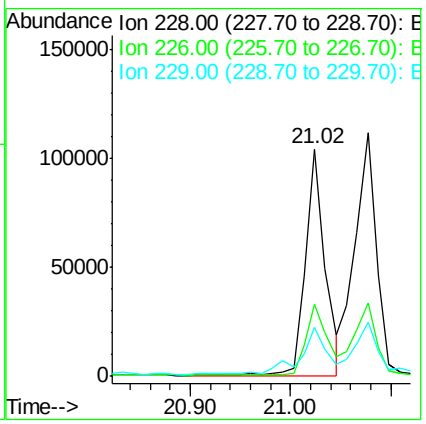




#29
Benzo(a)anthracene
Concen: 0.796 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:228 Resp: 143035

Ion	Ratio	Lower	Upper
228	100		
226	31.7	21.8	32.6
229	21.4	15.6	23.4



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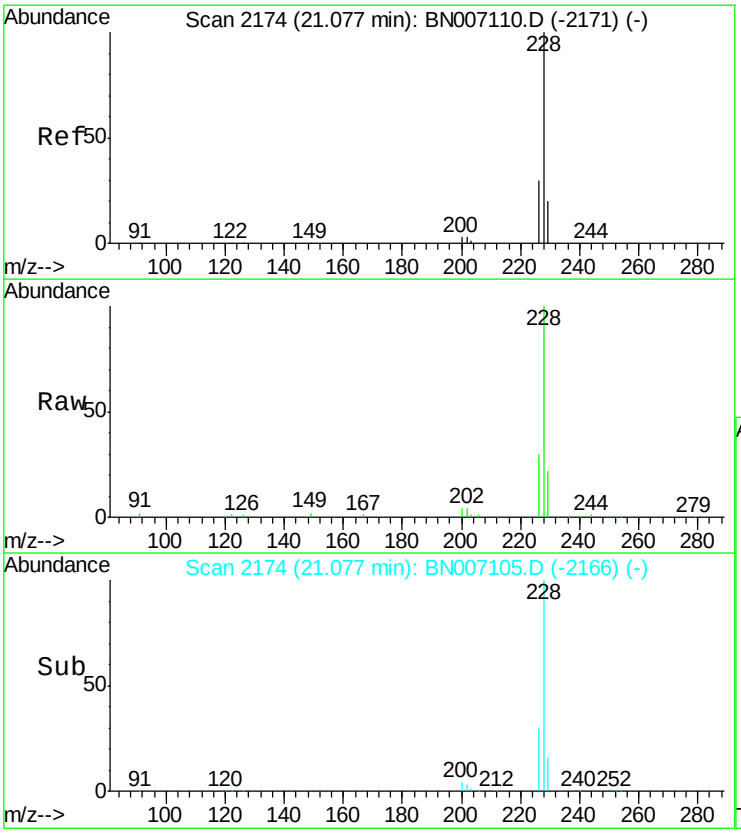
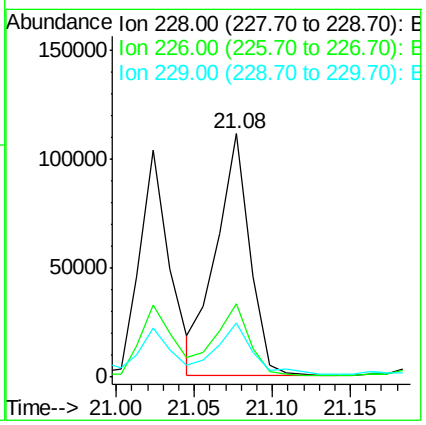
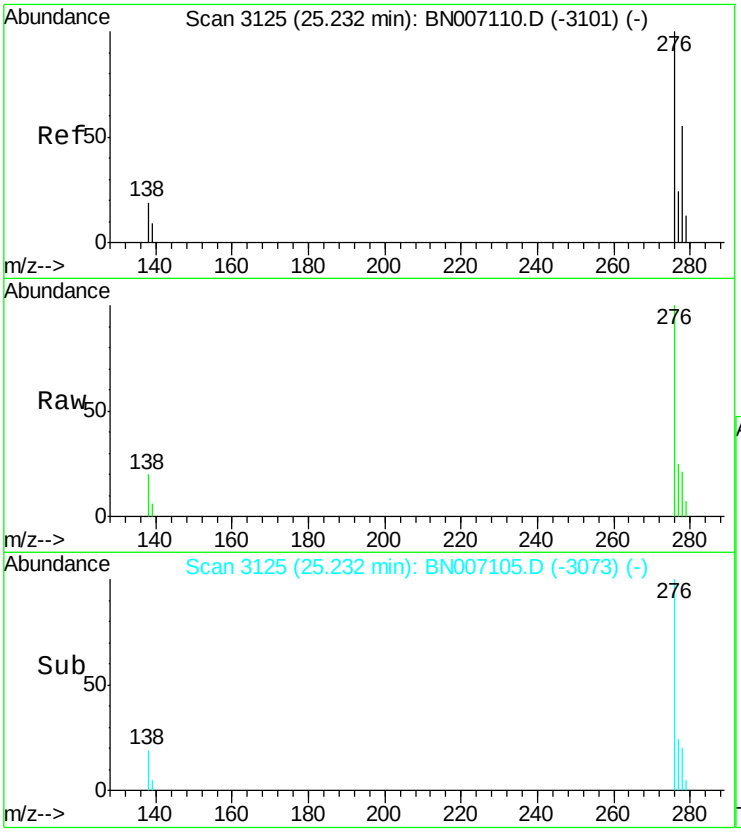


#30
Chrysene
Concen: 0.945 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:228 Resp: 165033

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.8	35.6
229	22.2	15.7	23.5

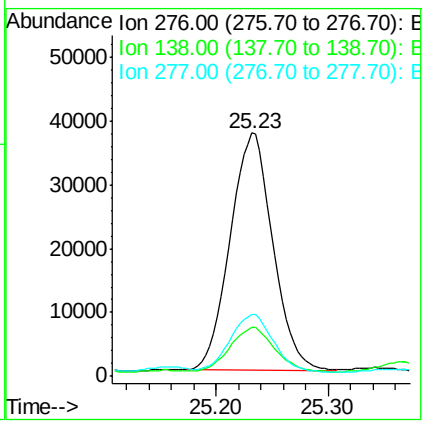




#31
Indeno(1,2,3-cd)pyrene
Concen: 0.512 ng
RT: 25.23 min Scan# 3125
Delta R.T. -0.02 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:276 Resp: 98480

Ion	Ratio	Lower	Upper
276	100		
138	19.3	16.0	24.0
277	24.6	19.9	29.9



Instrument :
BNA_N
ClientSampleId :
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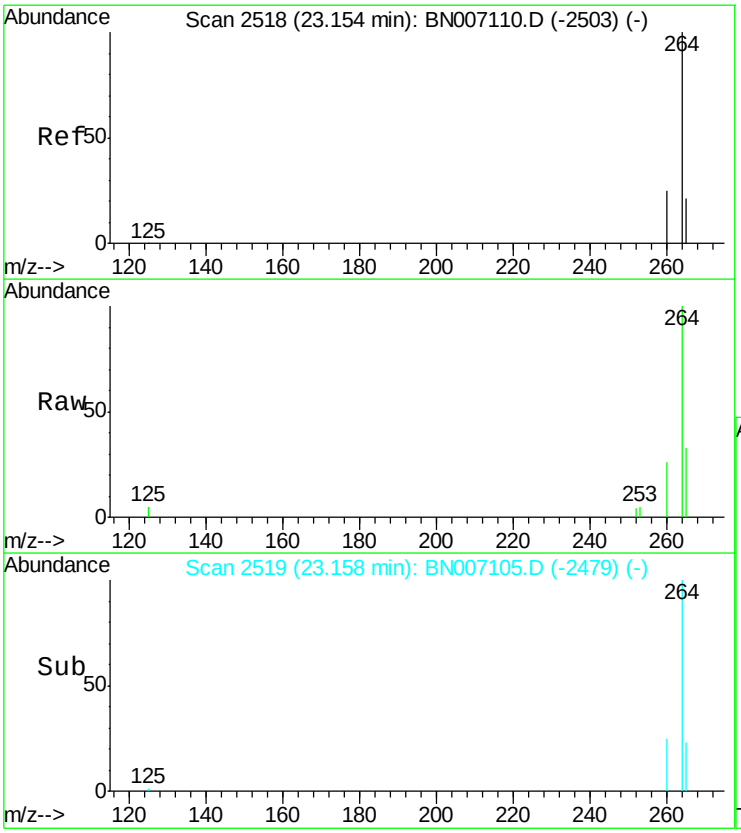
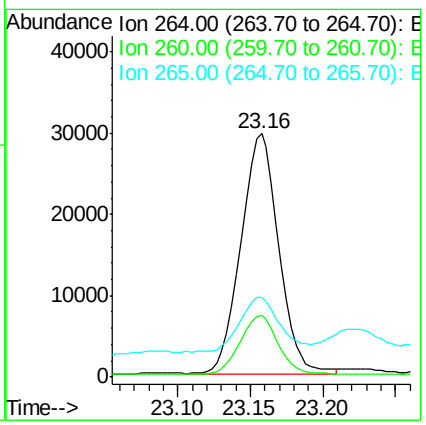
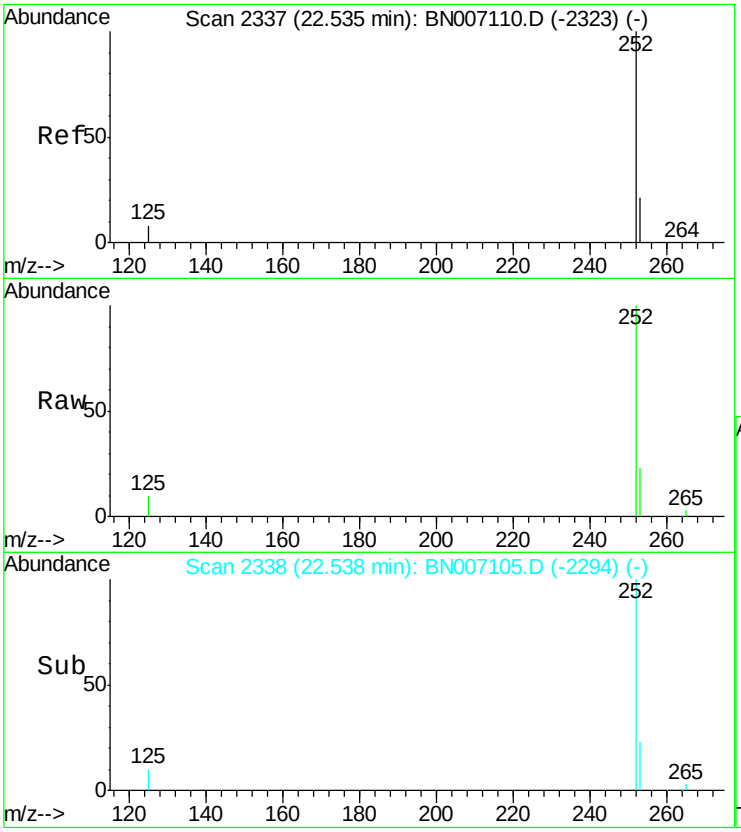


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:264 Resp: 53410

Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.8	29.8
265	32.6	26.2	39.4

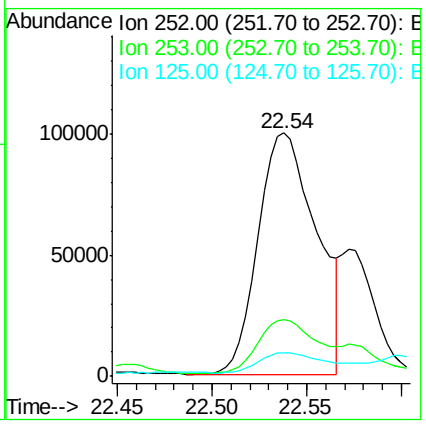




#33
Benzo(b)fluoranthene
Concen: 1.166 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.01 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:252 Resp: 213479

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	9.9	7.4	11.0



Instrument :
BNA_N
ClientSampleId :
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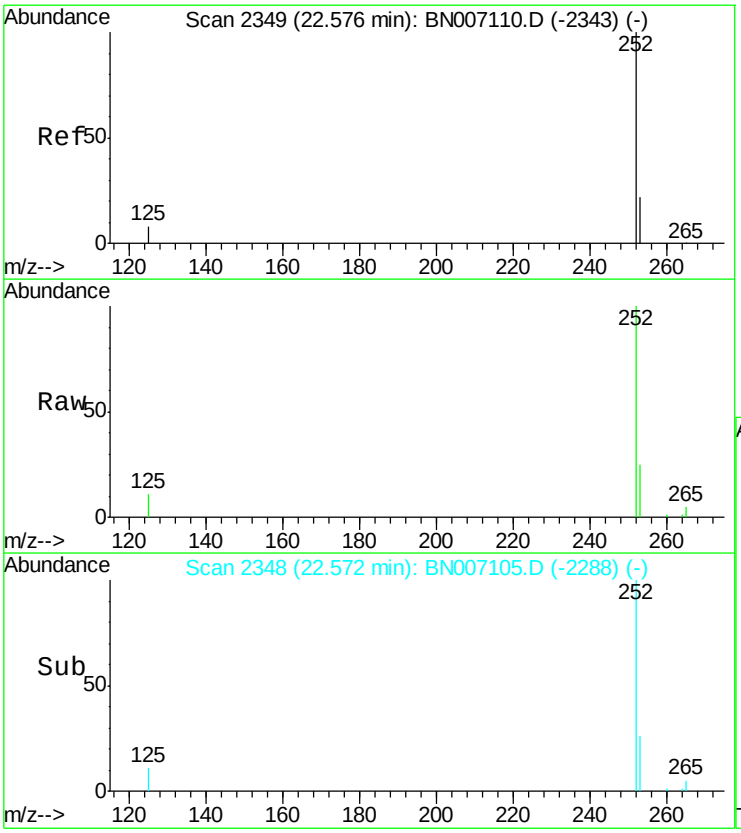
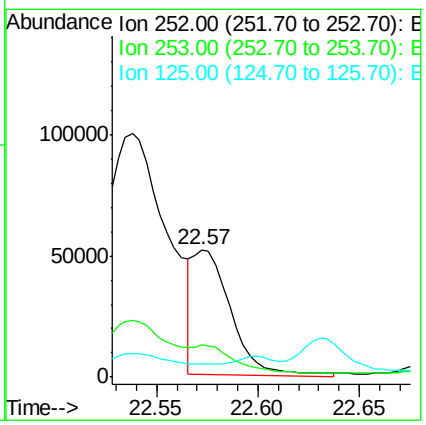
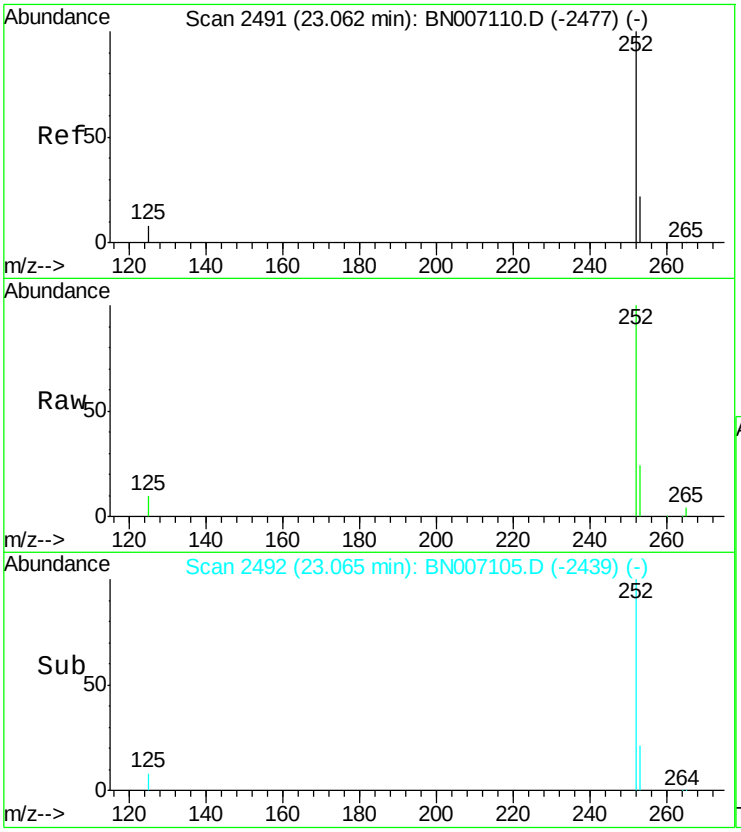


#34
Benzo(k)fluoranthene
Concen: 0.377 ng m
RT: 22.57 min Scan# 2348
Delta R.T. -0.02 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:252 Resp: 68202

Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.1	27.1
125	10.7	7.4	11.0





#35
Benzo(a)pyrene
Concen: 0.821 ng
RT: 23.07 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:252 Resp: 136397

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.5	27.7
125	10.0	8.2	12.4

Instrument :
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ClientSampleId :
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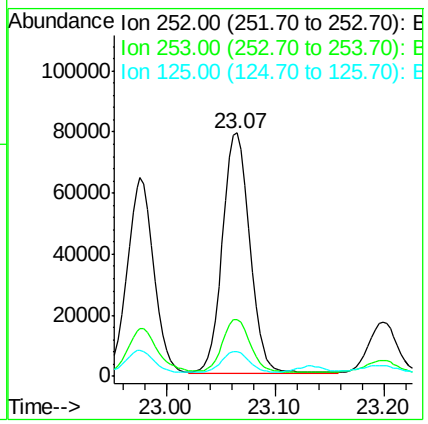
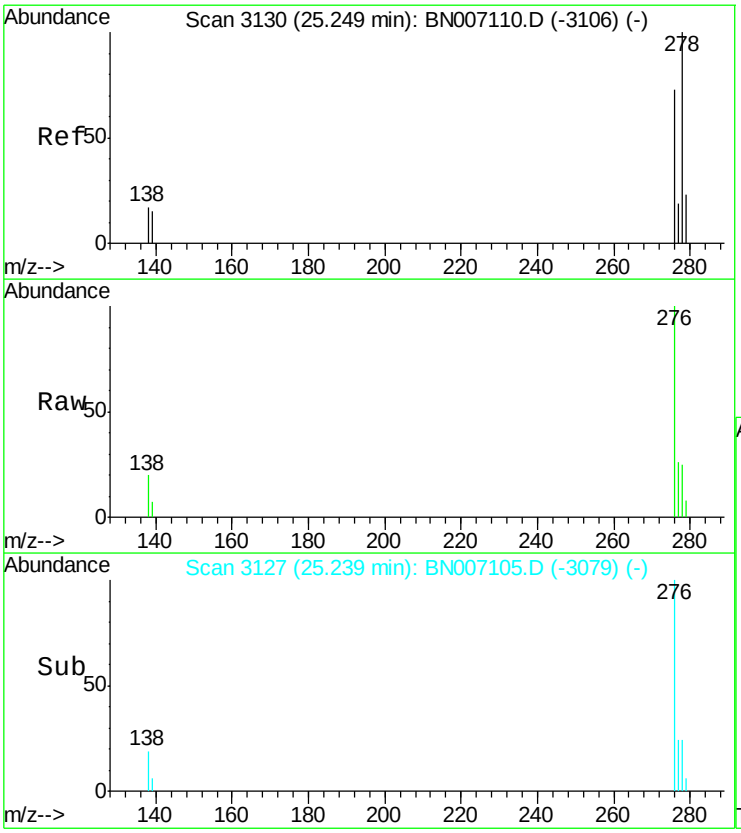
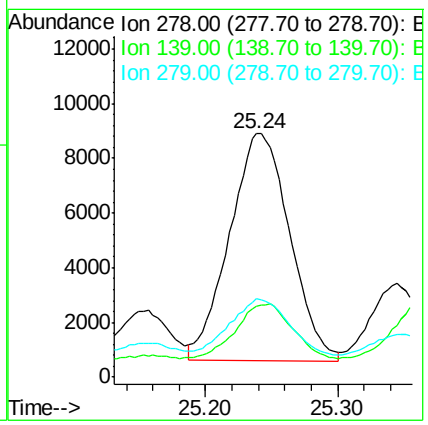


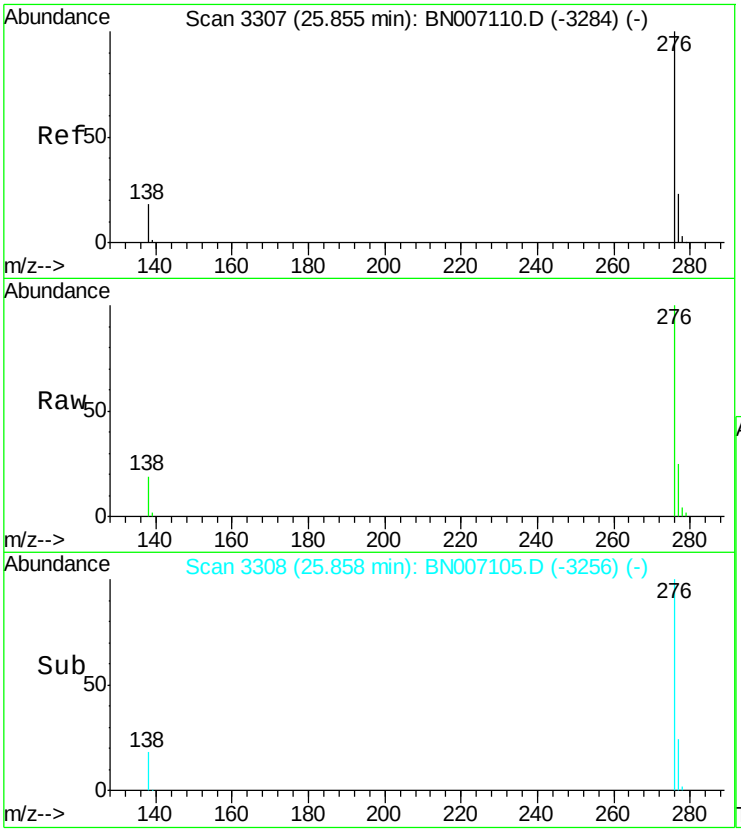


#36
Dibenzo(a,h)anthracene
Concen: 0.158 ng
RT: 25.24 min Scan# 3127
Delta R.T. -0.03 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:278 Resp: 26237

Ion	Ratio	Lower	Upper
278	100		
139	29.1	11.3	16.9#
279	32.2	19.3	28.9#

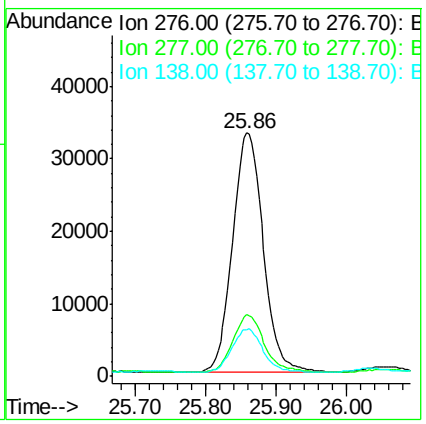




#37
Benzo(g,h,i)perylene
Concen: 0.594 ng
RT: 25.86 min Scan# 3308
Delta R.T. -0.02 min
Lab File: BN007105.D
Acq: 12 Aug 2019 19:30

Tgt Ion:276 Resp: 101186

Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.8	29.8
138	19.3	14.6	22.0



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