Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081319\
Data File : BN007155.D
Acq On : 14 Aug 2019 06:21
Operator : HP/JU
Sample : K4173-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : EXT-015-SW089-080119

Quant Time: Aug 14 09:27:51 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	9496	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	36560	0.40	ng		0.00
12) Acenaphthene-d10	14.08	164	21050	0.40	ng		0.00
18) Phenanthrene-d10	16.82	188	47593	0.40	ng		0.00
26) Chrysene-d12	21.05	240	46099	0.40	ng		-0.01
32) Perylene-d12	23.16	264	54724	0.40	ng		-0.01
System Monitoring Compounds							
3) 2-Fluorophenol	5.06	112	6813	0.30	ng		0.00
4) Phenol-d6	6.62	99	9170	0.32	ng		0.00
7) Nitrobenzene-d5	8.56	82	7397	0.25	ng		0.00
10) 2-Methylnaphthalene-d10	11.79	152	16479	0.24	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	2775	0.24	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	3988	0.13	ng		0.00
24) Fluoranthene-d10	18.87	212	42744	0.25	ng		0.00
28) Terphenyl-d14	19.49	244	30814	0.25	ng		-0.01
Target Compounds							Qvalue
8) Naphthalene	10.24	128	30548	0.298	ng		99
11) 2-Methylnaphthalene	11.87	142	29215	0.402	ng		97
15) Acenaphthylene	13.79	152	252059	2.291	ng		99
16) Acenaphthene	14.13	154	24251	0.344	ng		90
17) Fluorene	15.13	166	57966	0.550	ng	#	81
22) Phenanthrene	16.87	178	1035094	7.257	ng		100
23) Anthracene	16.96	178	238306	1.829	ng		99
25) Fluoranthene	18.90	202	1193037	6.539	ng		99
27) Pyrene	19.26	202	1836734	11.361	ng		97
29) Benzo(a)anthracene	21.02	228	721551m	4.280	ng		
30) Chrysene	21.08	228	948175	5.789	ng		97
31) Indeno(1,2,3-cd)pyrene	25.24	276	427092	2.366	ng		99
33) Benzo(b)fluoranthene	22.54	252	823897m	4.391	ng		
34) Benzo(k)fluoranthene	22.57	252	276170m	1.490	ng		
35) Benzo(a)pyrene	23.07	252	679986	3.997	ng		99
36) Dibenzo(a,h)anthracene	25.25	278	125016	0.737	ng	#	85
37) Benzo(g,h,i)perylene	25.87	276	501122	2.870	ng		99

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

Quantitation Report (QT Reviewed)

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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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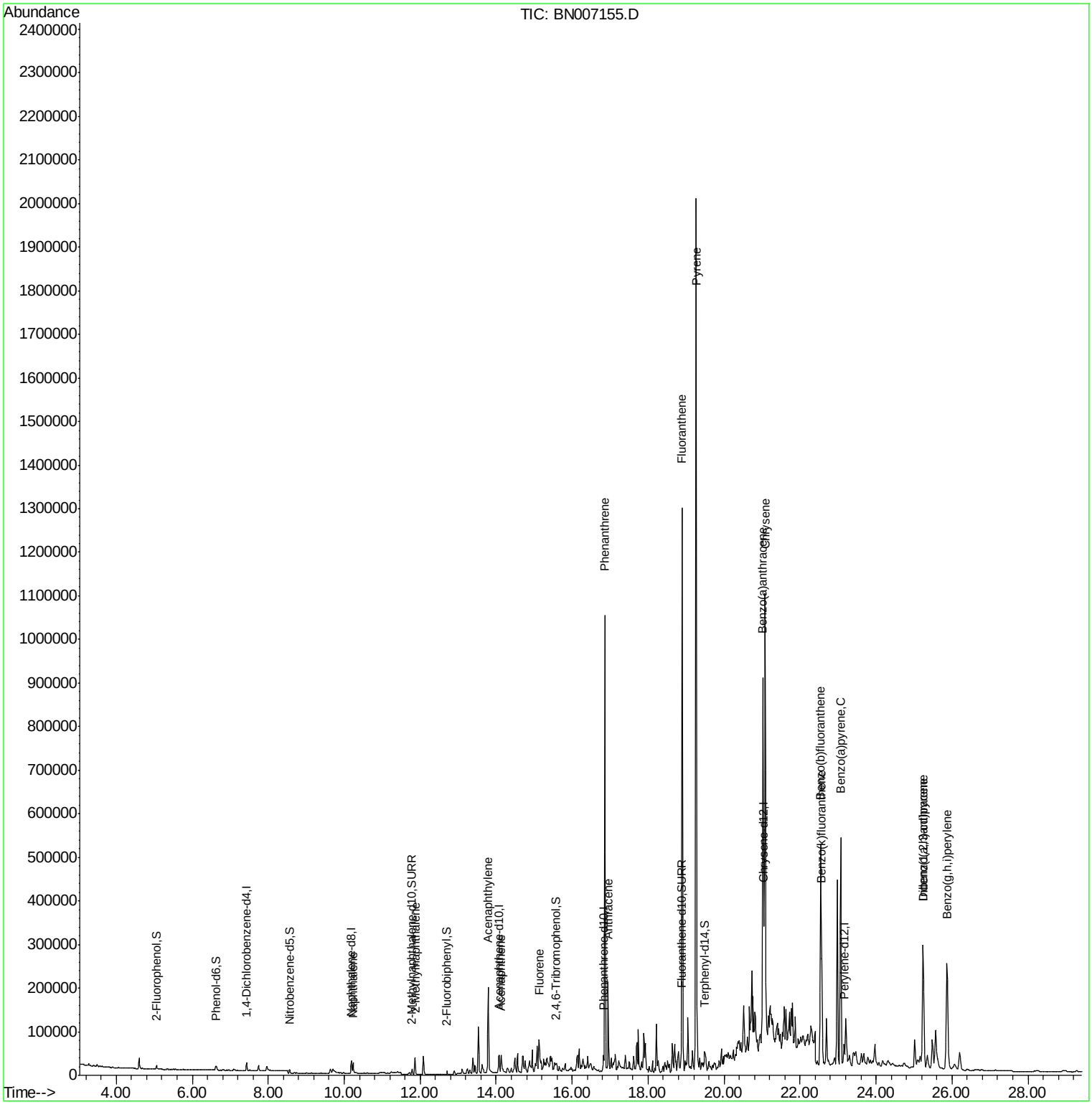
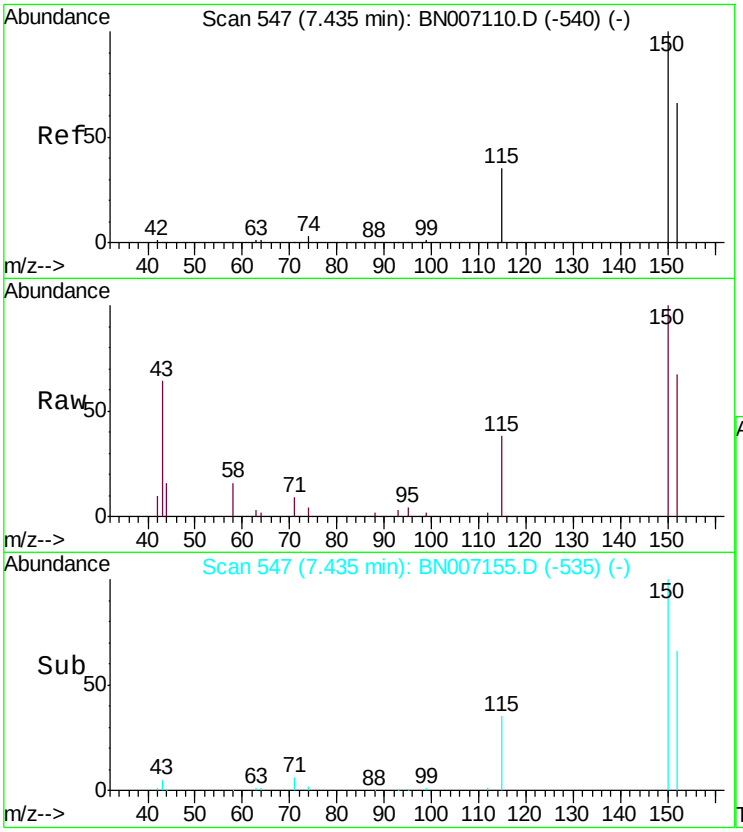


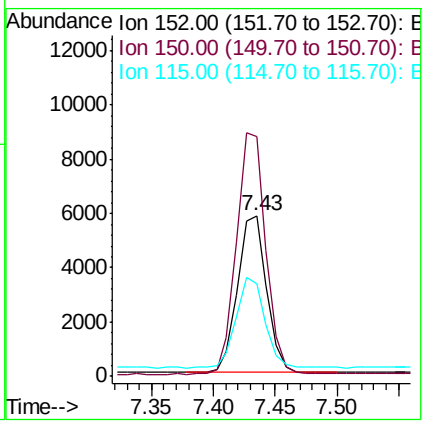


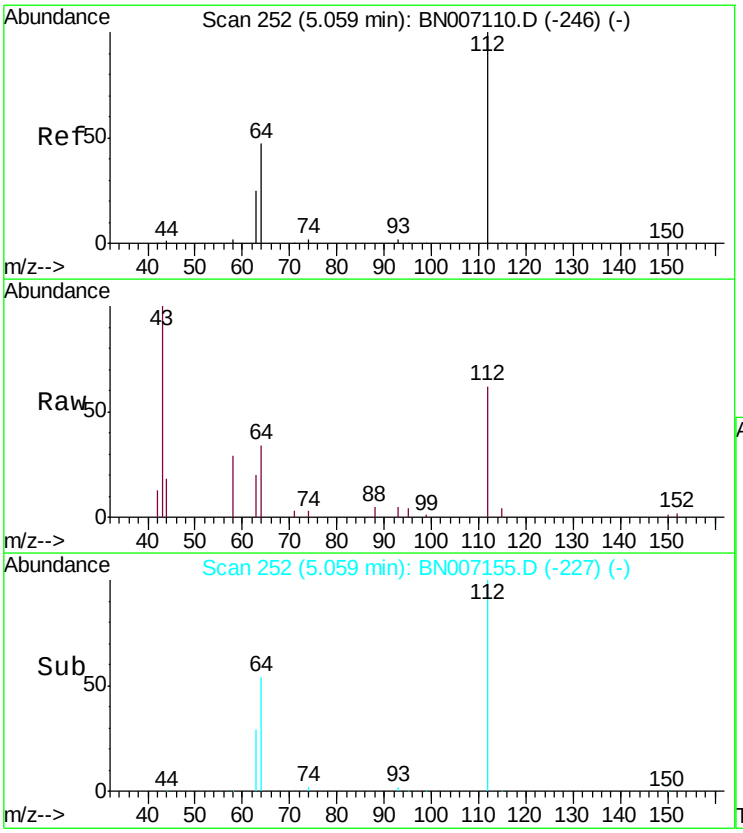
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW089-080119

Tgt Ion:152 Resp: 9496

Ion	Ratio	Lower	Upper
152	100		
150	149.1	121.7	182.5
115	57.3	46.2	69.4

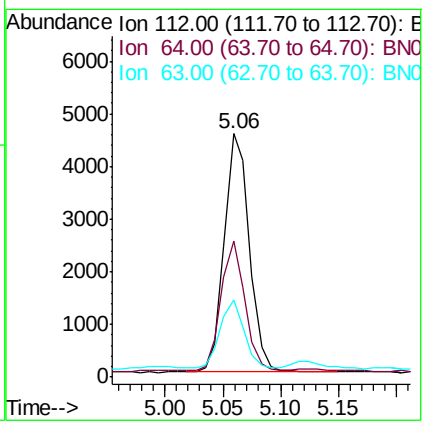


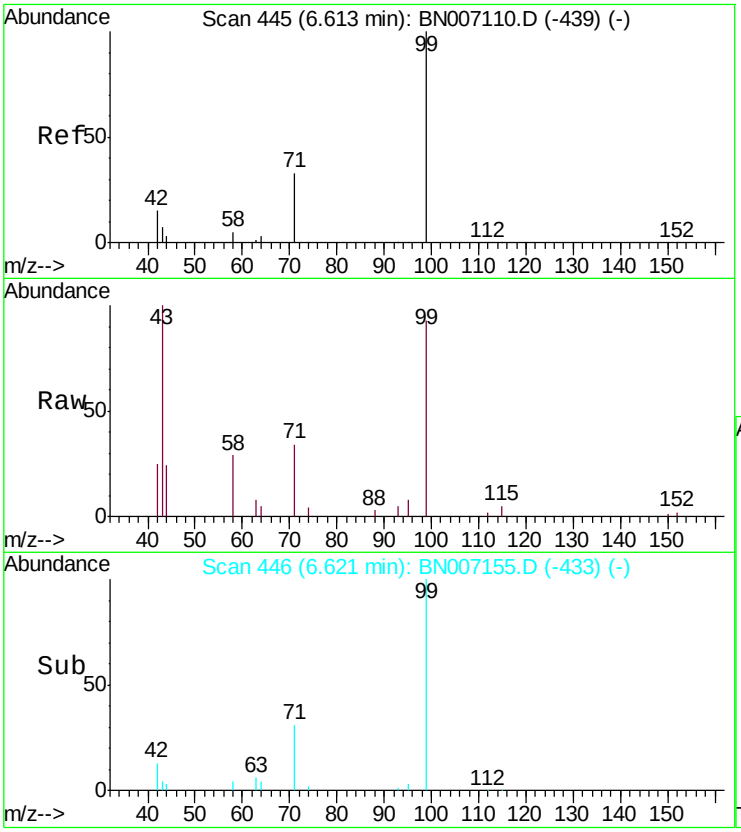


#3
2-Fluorophenol
Concen: 0.299 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Tgt Ion:112 Resp: 6813

Ion	Ratio	Lower	Upper
112	100		
64	51.4	42.6	63.8
63	27.7	22.2	33.2



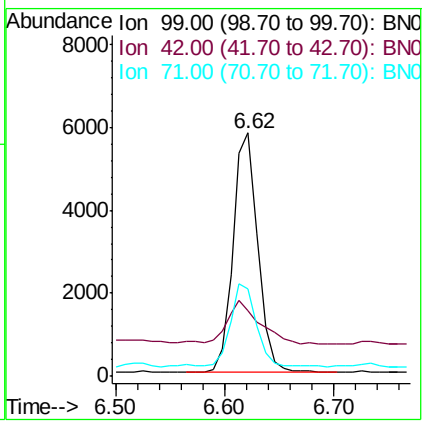


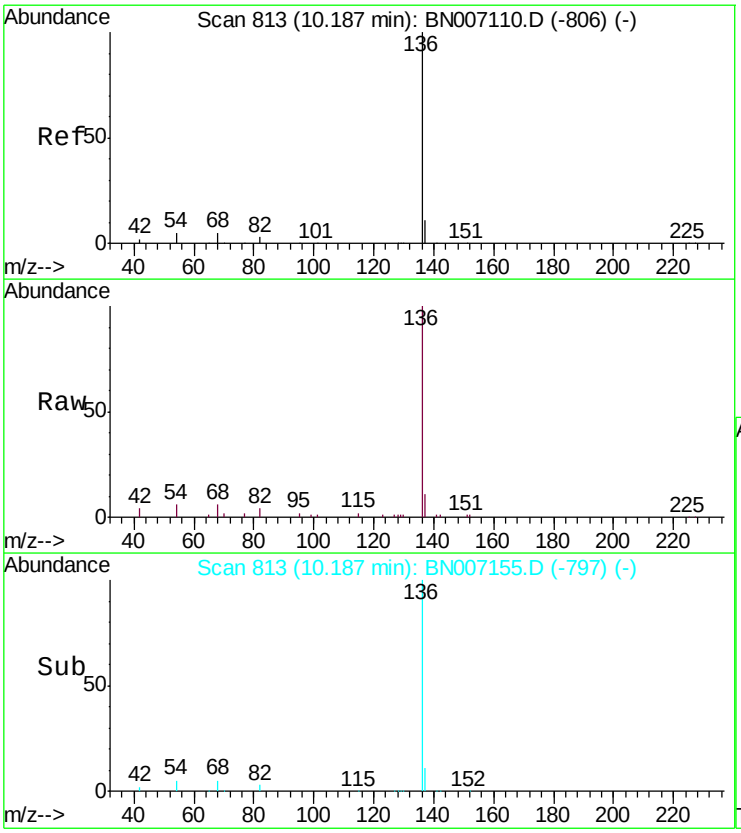
#4
Phenol-d6
Concen: 0.324 ng
RT: 6.62 min Scan# 446
Delta R.T. 0.01 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW089-080119

Tgt Ion: 99 Resp: 9170

Ion	Ratio	Lower	Upper
99	100		
42	23.1	15.8	23.6
71	35.5	27.0	40.4

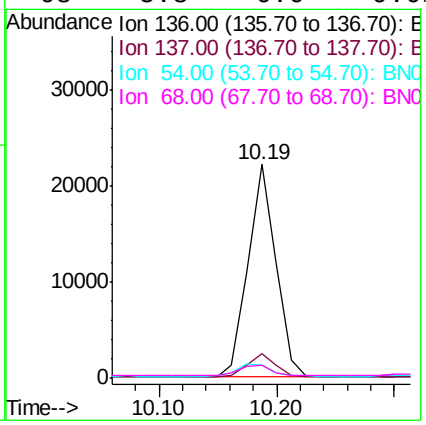


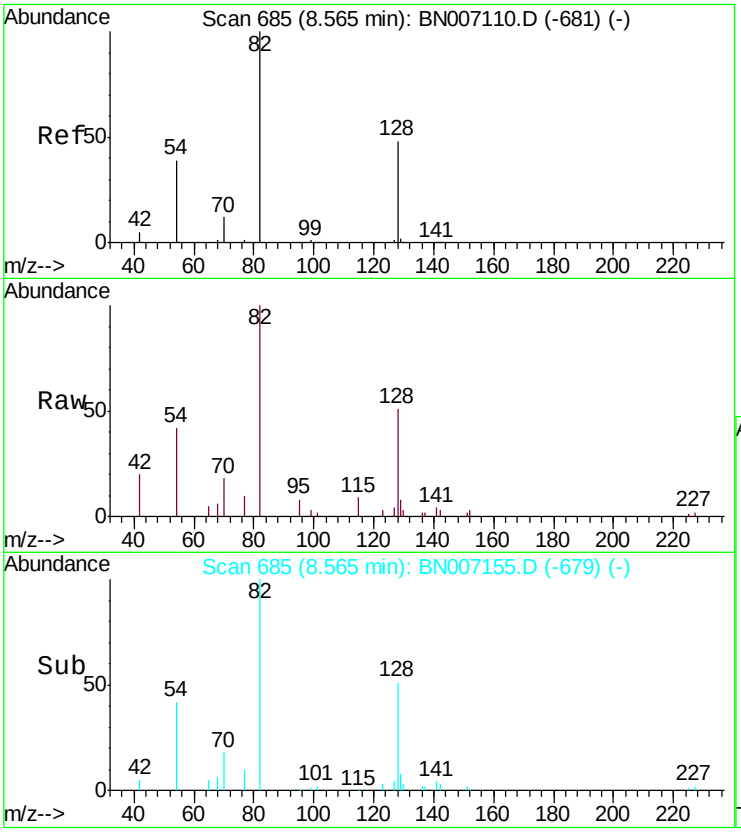


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Tgt Ion:136 Resp: 36560

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.4	14.0
54	6.1	6.6	9.8#
68	5.8	6.0	9.0#



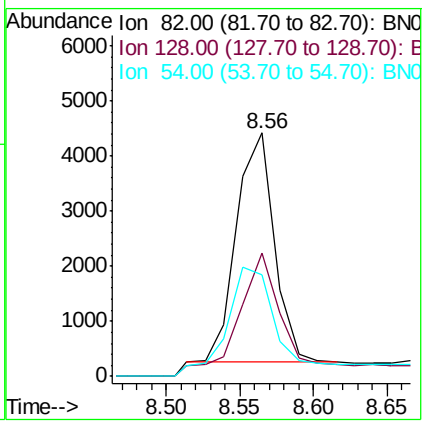


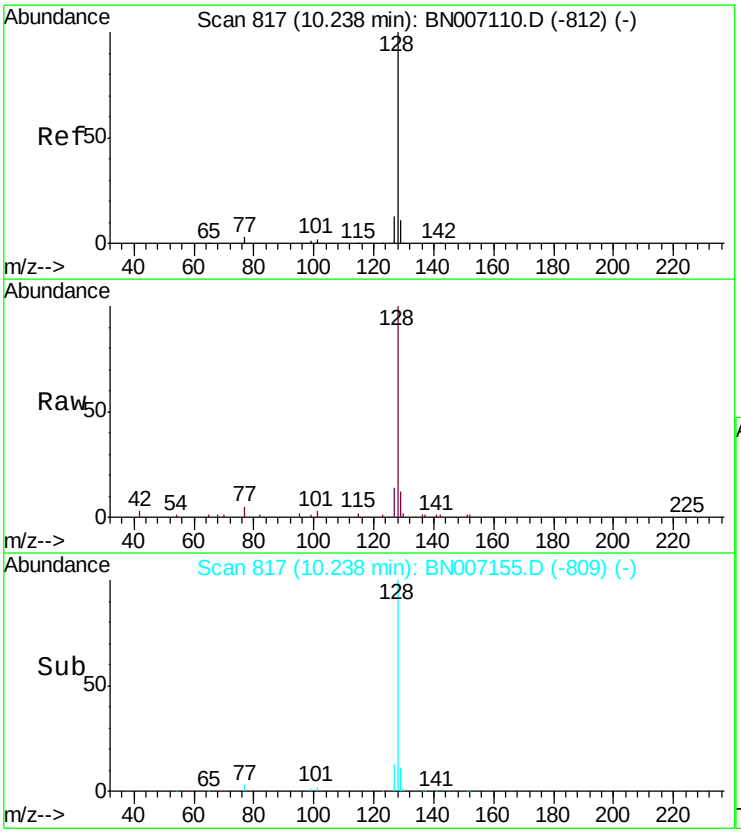
#7
Nitrobenzene-d5
Concen: 0.251 ng
RT: 8.56 min Scan# 685
Delta R.T. -0.00 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW089-080119

Tgt Ion: 82 Resp: 7397

Ion	Ratio	Lower	Upper
82	100		
128	50.7	34.6	51.8
54	41.7	36.2	54.4

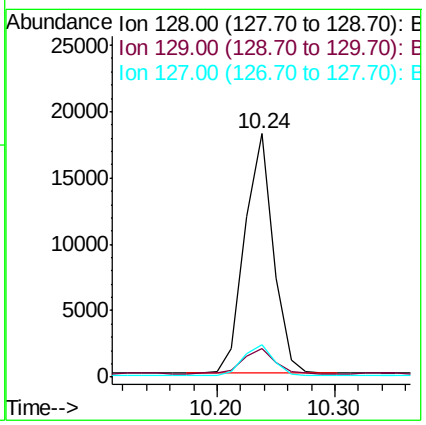


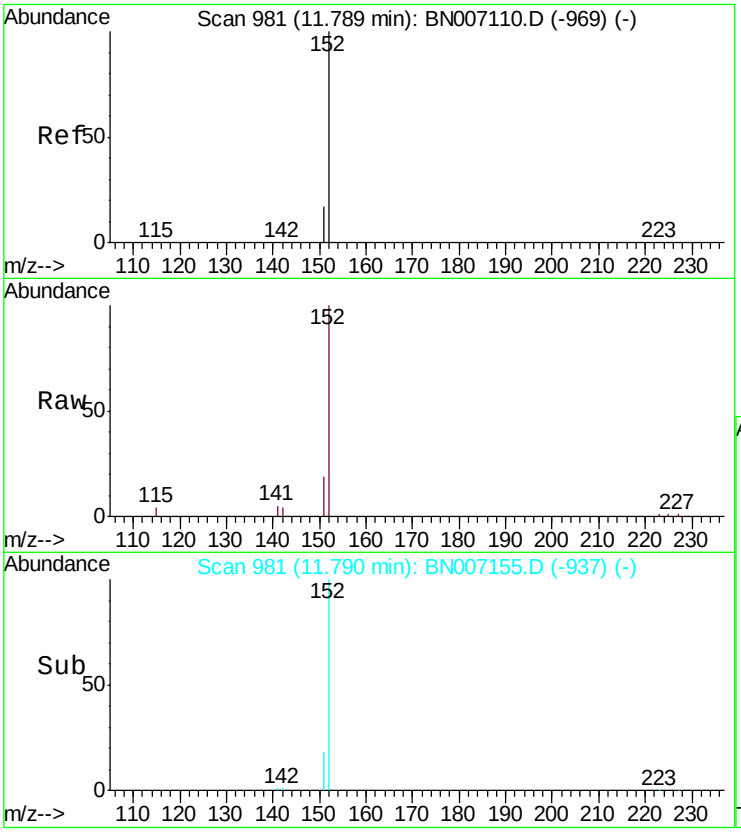


#8
Naphthalene
Concen: 0.298 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Tgt Ion:128 Resp: 30548

Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.4	14.2
127	13.6	11.0	16.6



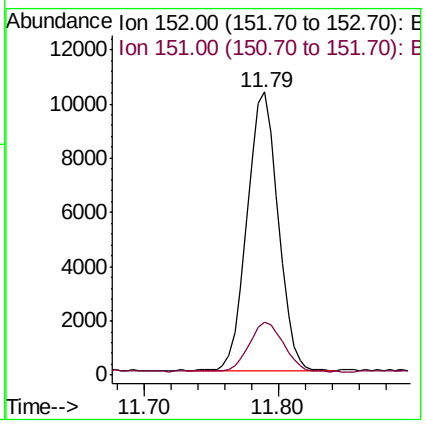


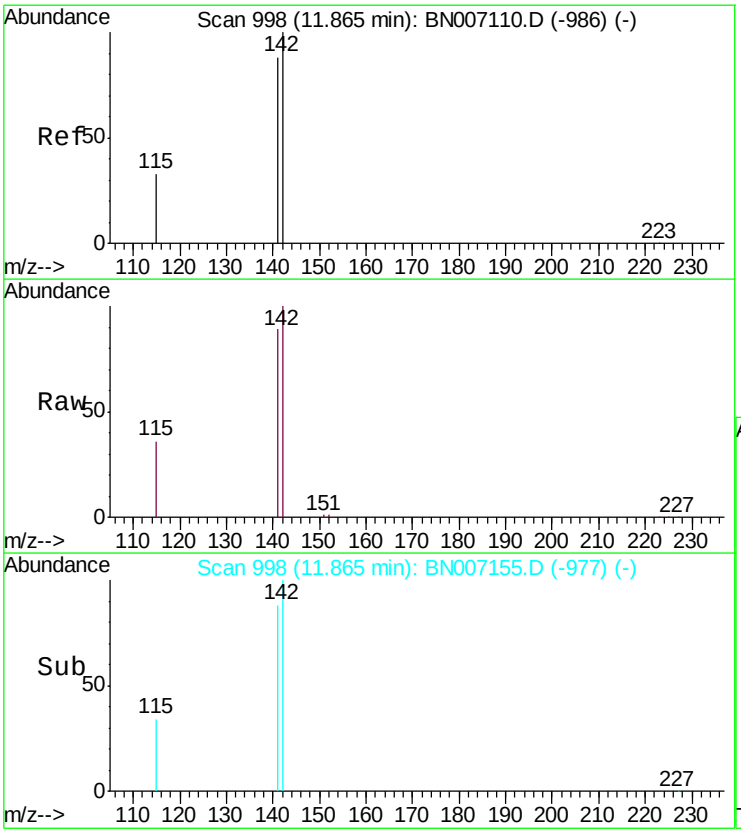
#10
2-Methylnaphthalene-d10
Concen: 0.242 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW089-080119

Tgt Ion:152 Resp: 16479

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.5	23.3

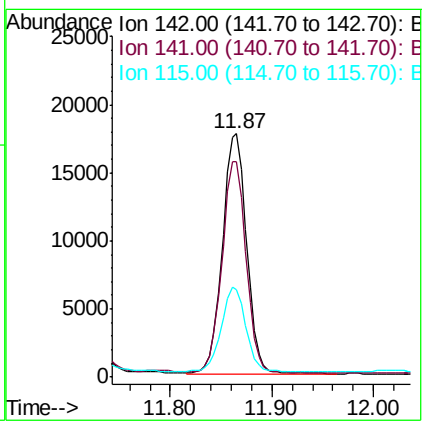


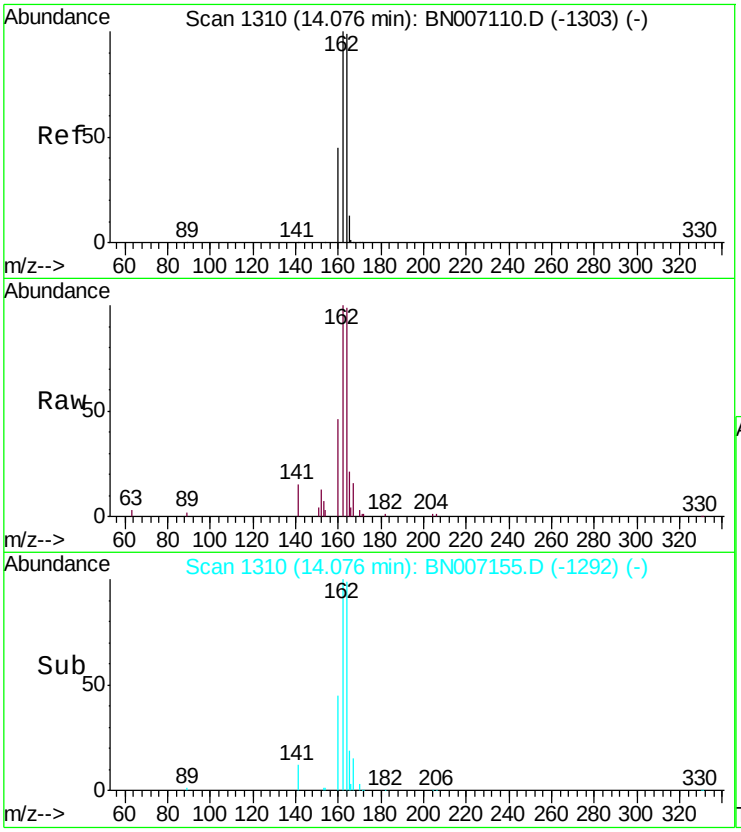


#11
2-Methylnaphthalene
Concen: 0.402 ng
RT: 11.87 min Scan# 998
Delta R.T. -0.00 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Tgt Ion:142 Resp: 29215

Ion	Ratio	Lower	Upper
142	100		
141	88.5	69.0	103.6
115	35.7	27.1	40.7



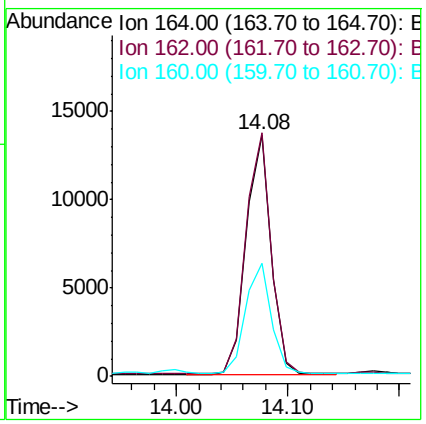


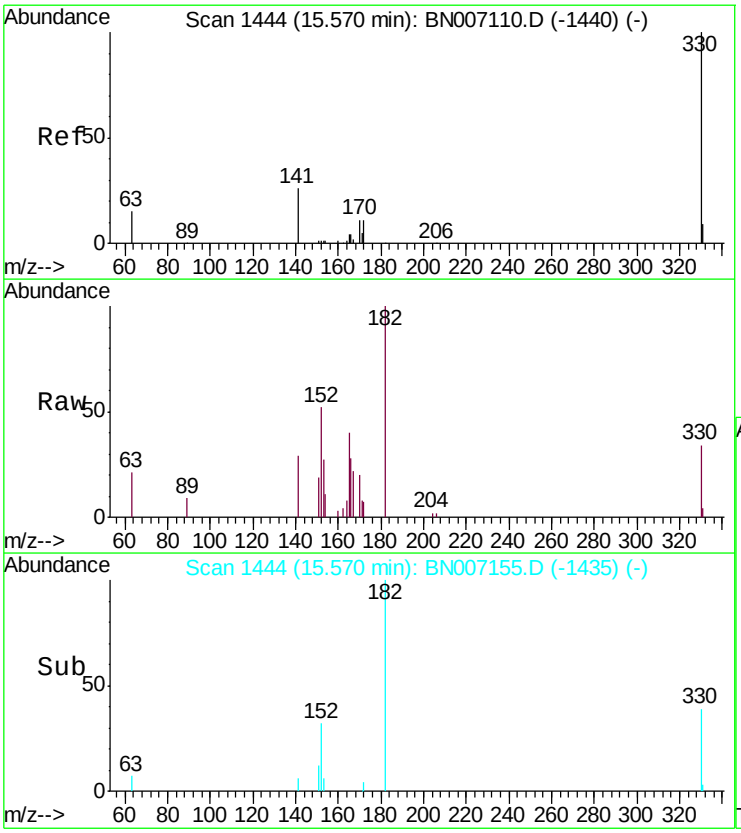
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW089-080119

Tgt Ion:164 Resp: 21050

Ion	Ratio	Lower	Upper
164	100		
162	100.9	82.2	123.4
160	46.8	38.3	57.5

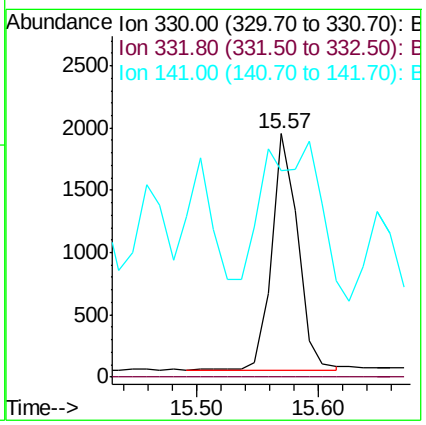


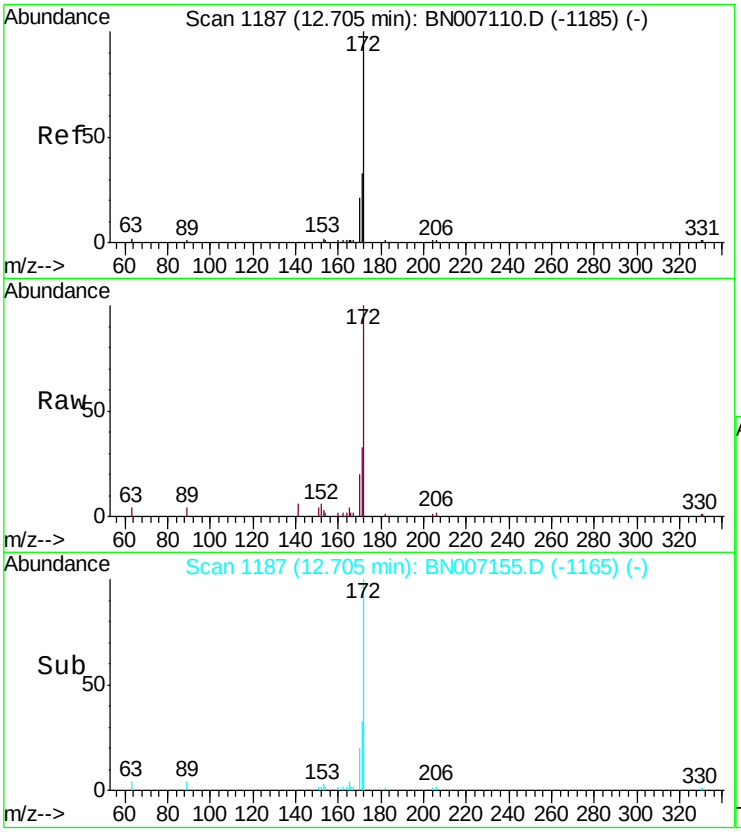


#13
2,4,6-Tribromophenol
Concen: 0.245 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Tgt Ion:330 Resp: 2775

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



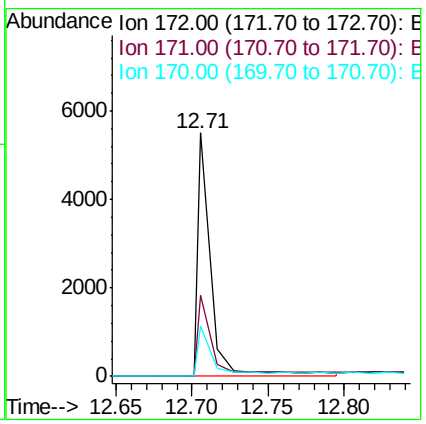


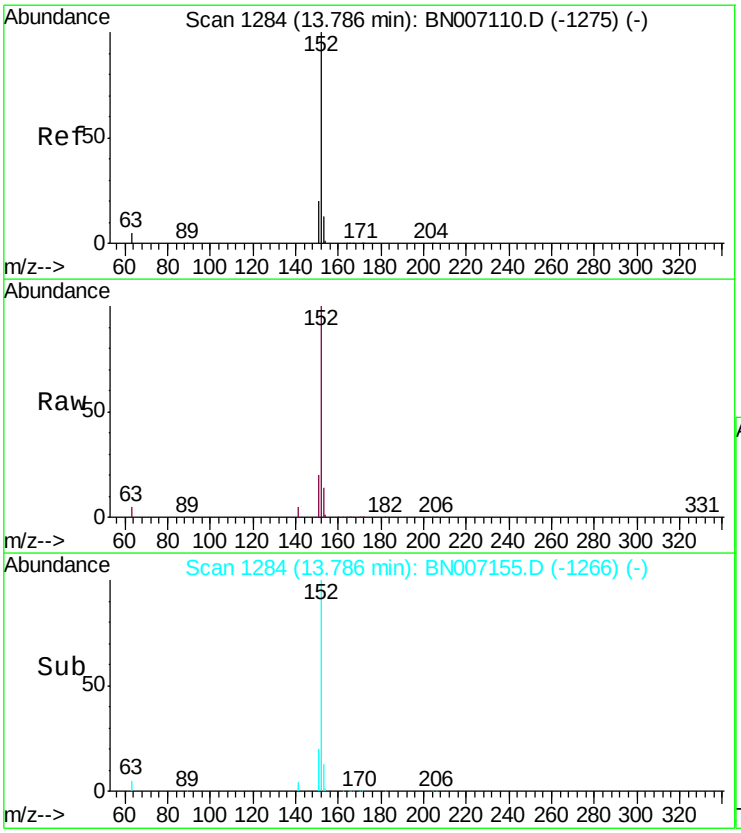
#14
2-Fluorobiphenyl
Concen: 0.130 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW089-080119

Tgt Ion:172 Resp: 3988

Ion	Ratio	Lower	Upper
172	100		
171	33.3	26.3	39.5
170	20.4	17.0	25.4

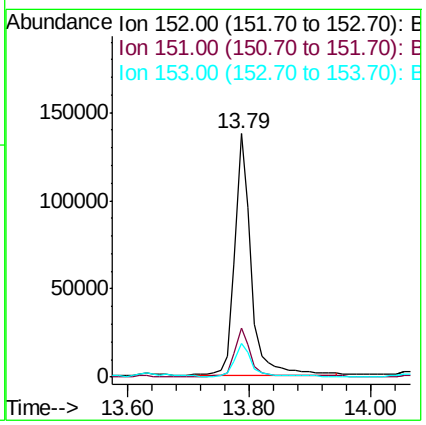


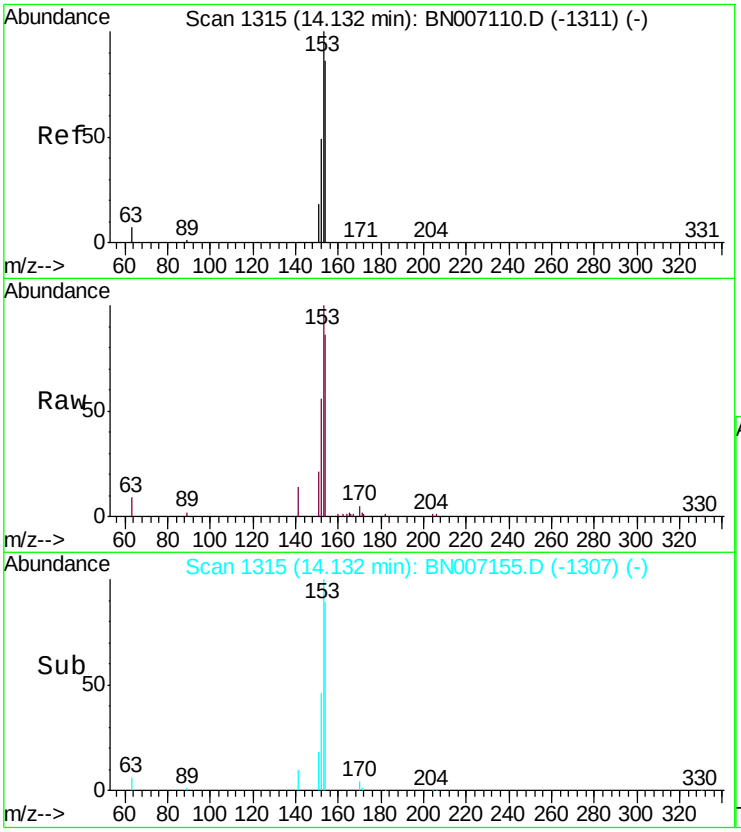


#15
Acenaphthylene
Concen: 2.291 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Tgt Ion:152 Resp: 252059

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.6
153	13.4	10.4	15.6



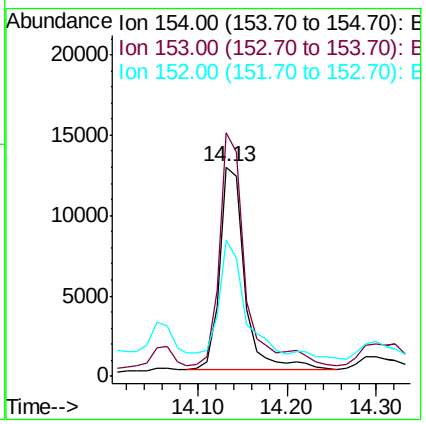


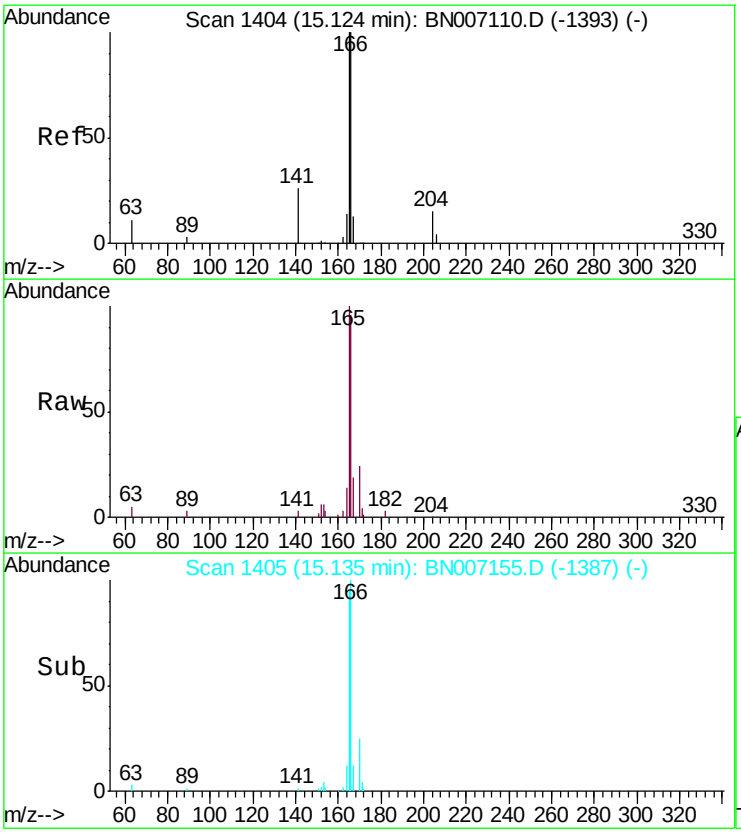
#16
Acenaphthene
Concen: 0.344 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW089-080119

Tgt Ion:154 Resp: 24251

Ion	Ratio	Lower	Upper
154	100		
153	121.5	89.5	134.3
152	65.4	44.8	67.2

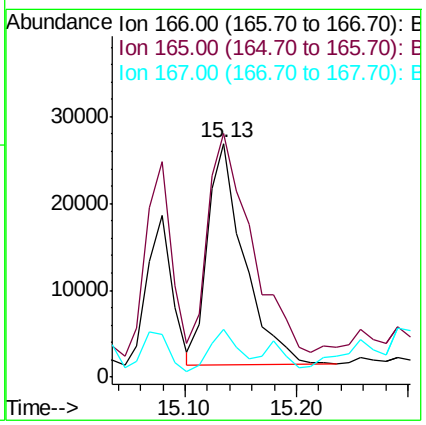


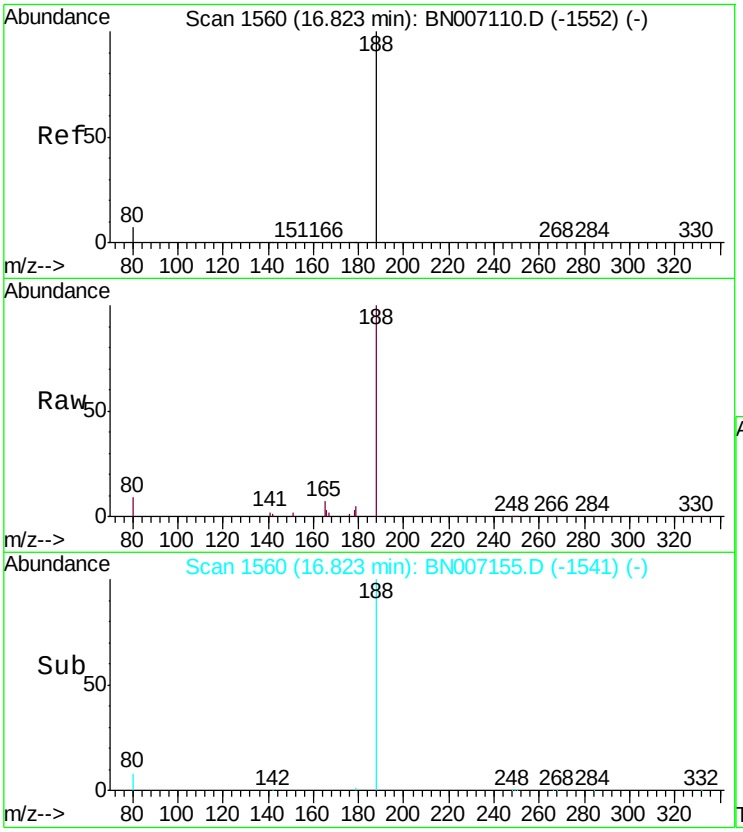


#17
Fluorene
Concen: 0.550 ng
RT: 15.13 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Tgt Ion:166 Resp: 57966

Ion	Ratio	Lower	Upper
166	100		
165	118.5	77.9	116.9#
167	14.8	10.9	16.3



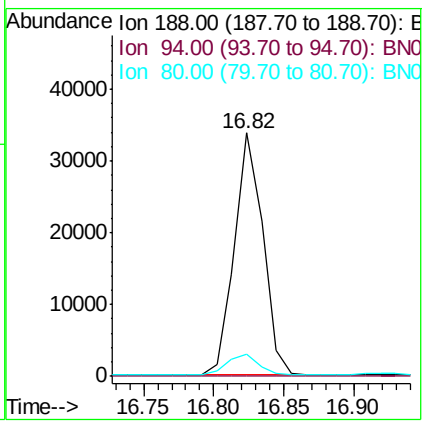


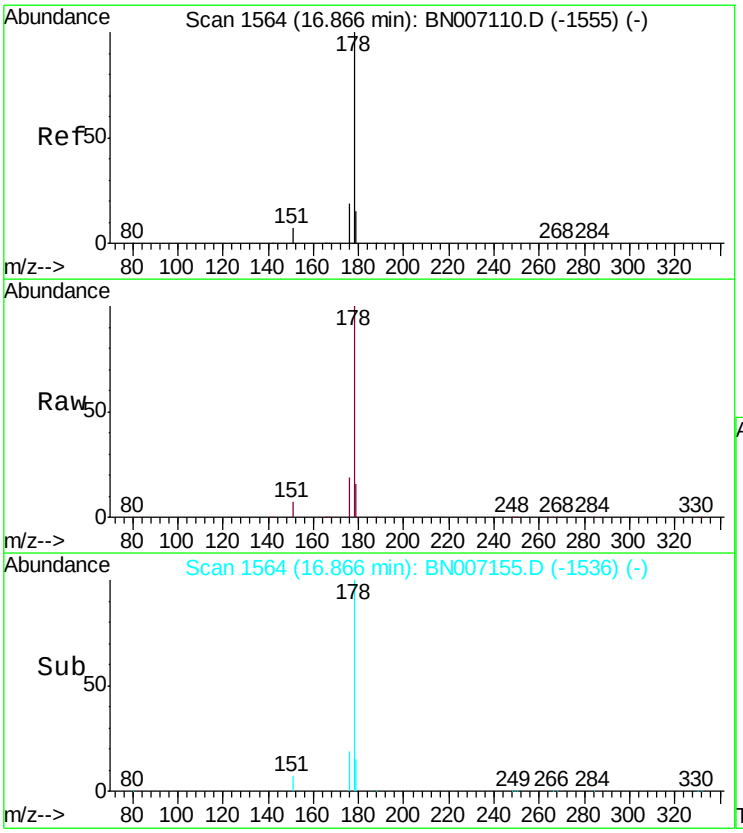
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW089-080119

Tgt Ion:188 Resp: 47593

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.0	7.8	11.6

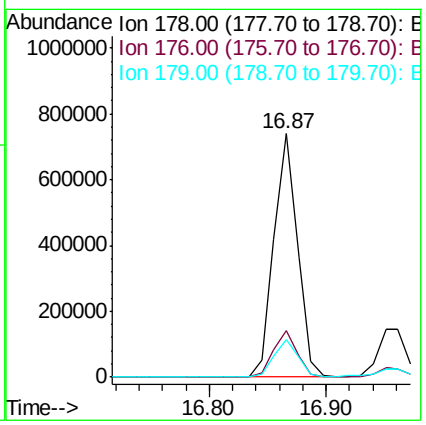


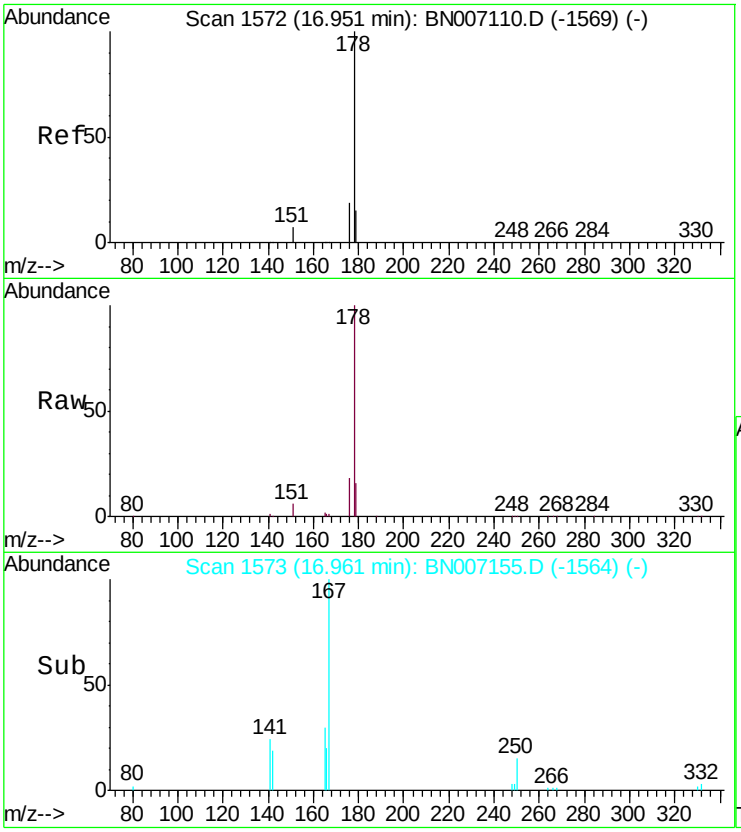


#22
Phenanthrene
Concen: 7.257 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Tgt Ion:178 Resp: 1035094

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	15.8	12.3	18.5



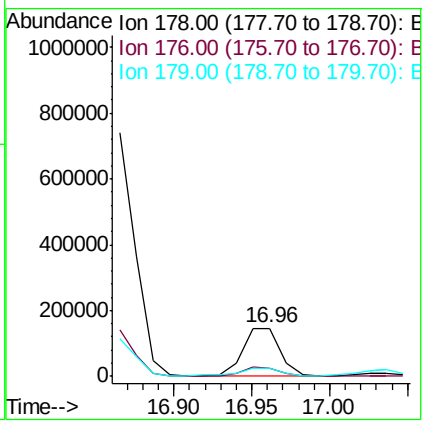


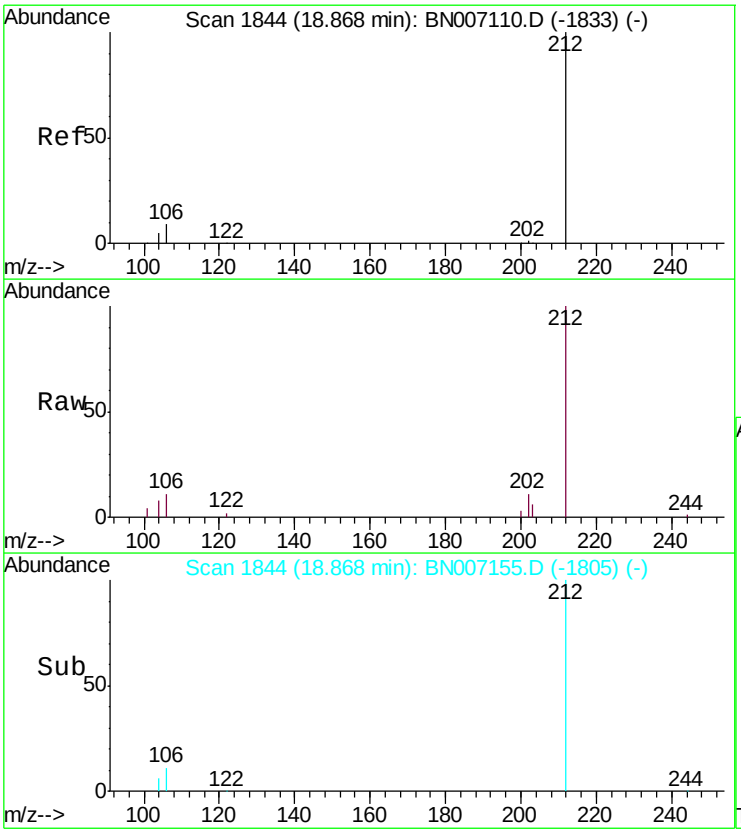
#23
Anthracene
Concen: 1.829 ng
RT: 16.96 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW089-080119

Tgt Ion:178 Resp: 238306

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	16.2	12.5	18.7

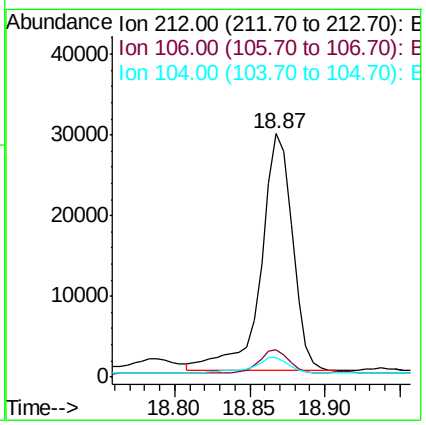


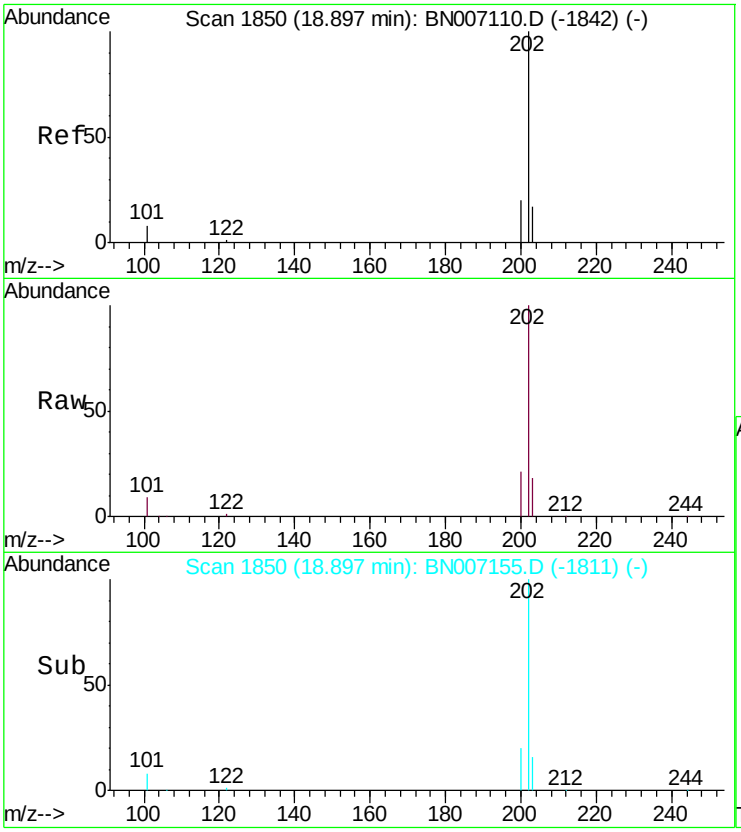


#24
Fluoranthene-d10
Concen: 0.253 ng
RT: 18.87 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Tgt Ion:212 Resp: 42744

Ion	Ratio	Lower	Upper
212	100		
106	10.0	8.2	12.2
104	7.9	4.5	6.7#



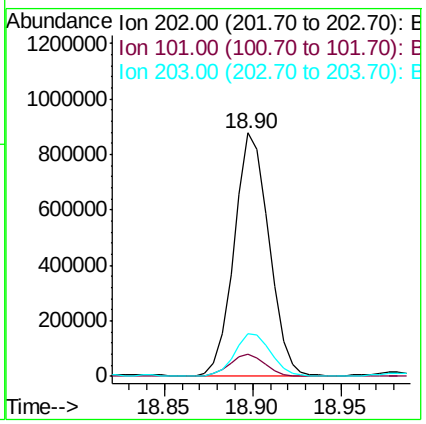


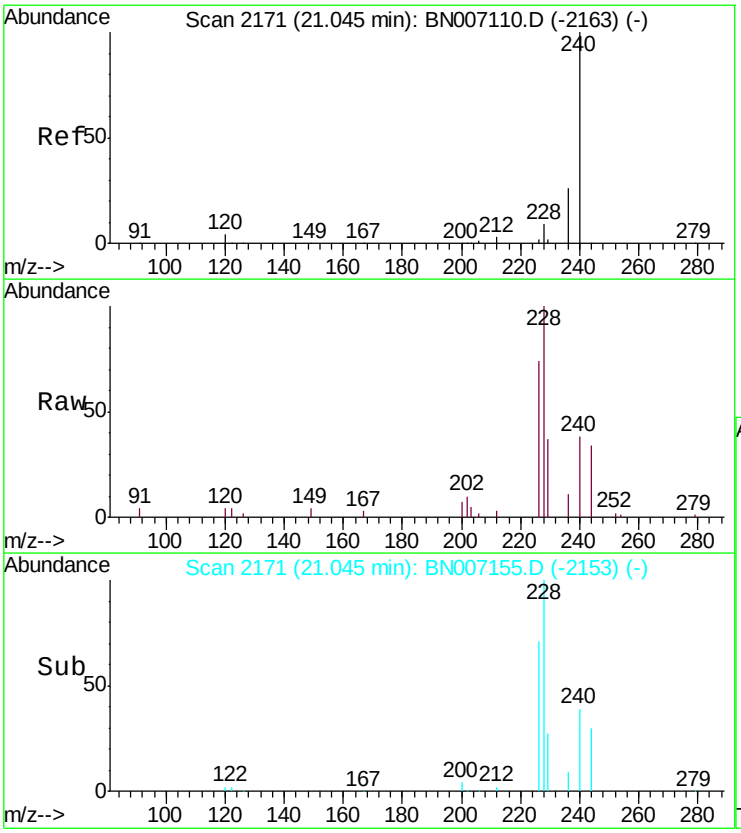
#25
Fluoranthene
Concen: 6.539 ng
RT: 18.90 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW089-080119

Tgt Ion:202 Resp: 1193037

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.0	10.4
203	18.1	13.8	20.8

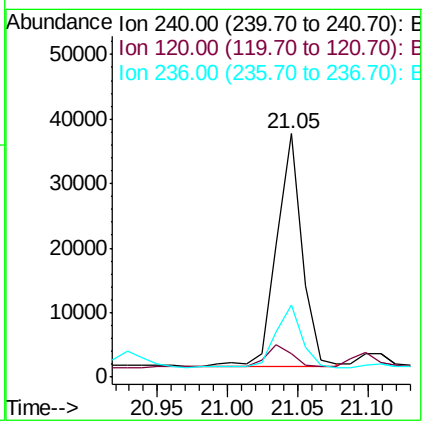


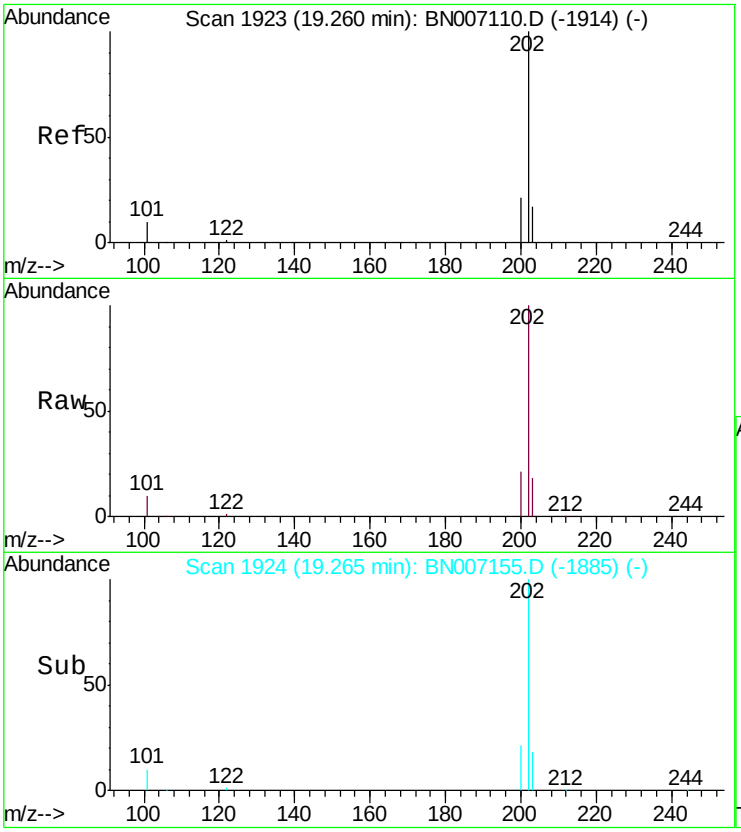


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Tgt Ion:240 Resp: 46099

Ion	Ratio	Lower	Upper
240	100		
120	9.7	4.0	6.0#
236	29.4	21.3	31.9



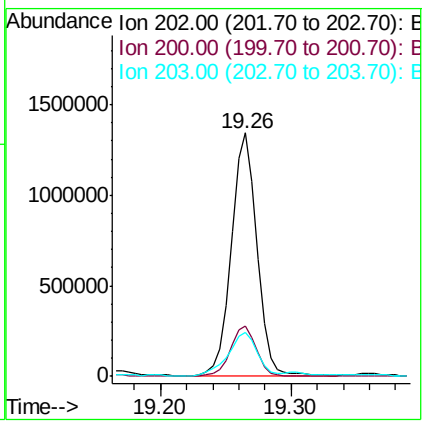


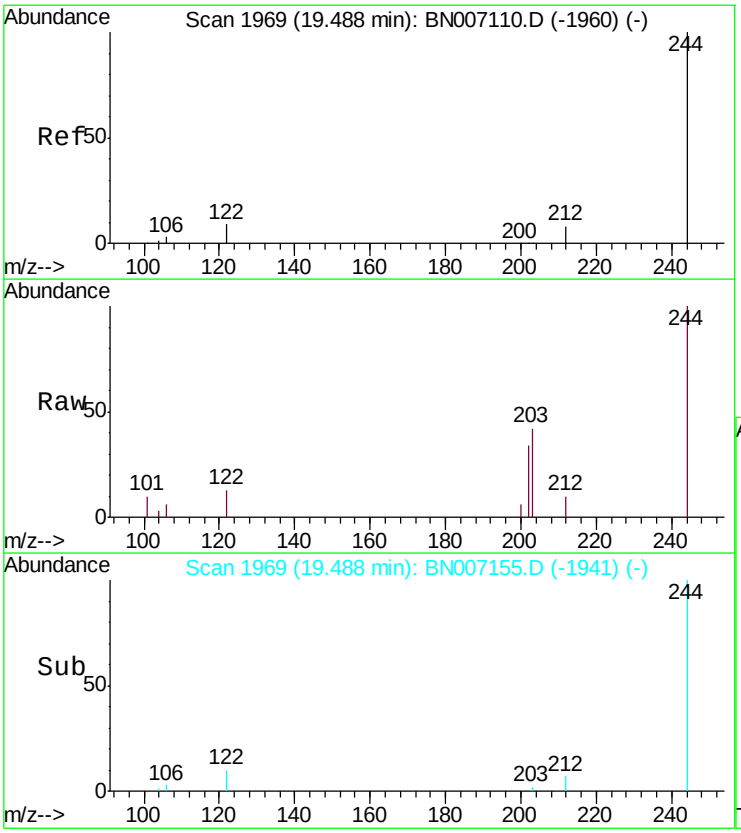
#27
Pyrene
Concen: 11.361 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW089-080119

Tgt Ion:202 Resp: 1836734

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	24.8
203	20.0	14.0	21.0

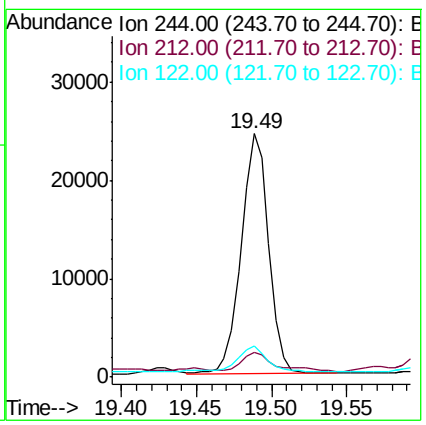


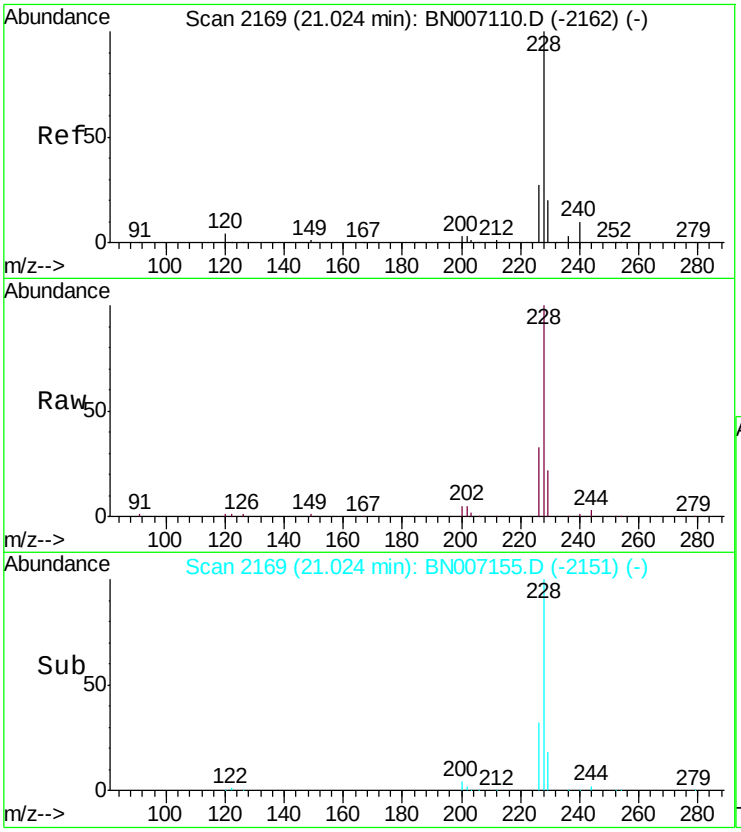


#28
Terphenyl-d14
Concen: 0.245 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Tgt Ion:244 Resp: 30814

Ion	Ratio	Lower	Upper
244	100		
212	10.3	6.2	9.2#
122	12.6	7.4	11.2#



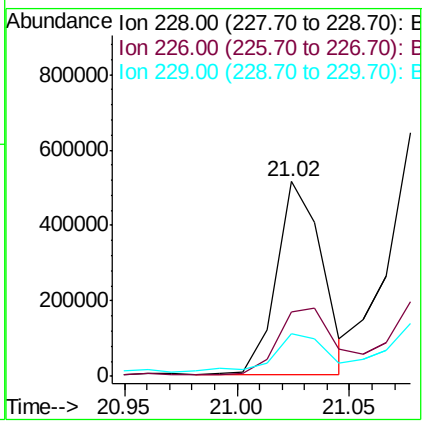


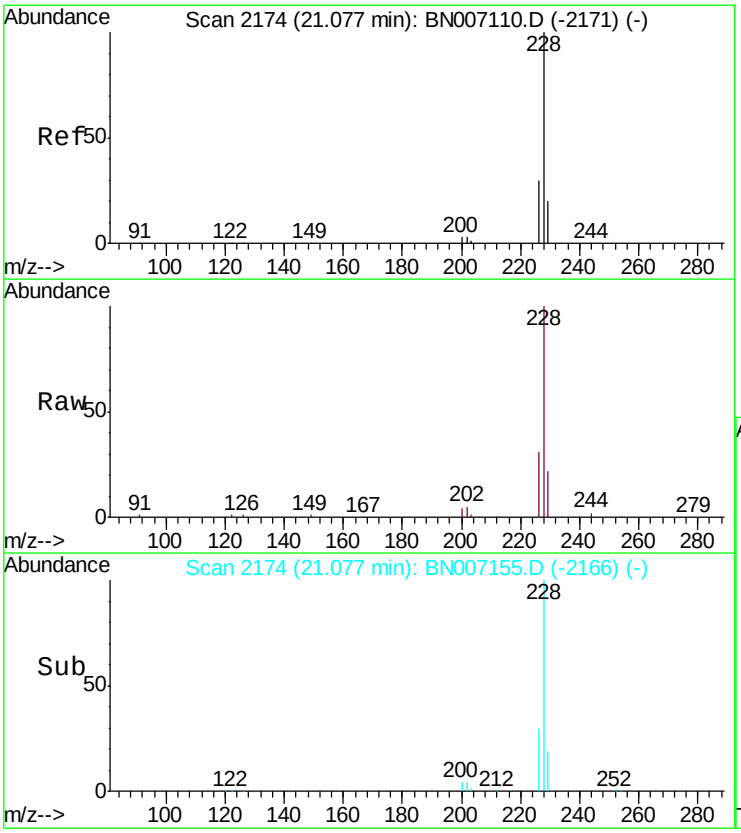
#29
Benzo(a)anthracene
Concen: 4.280 ng m
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW089-080119

Tgt Ion:228 Resp: 721551

Ion	Ratio	Lower	Upper
228	100		
226	33.3	21.8	32.6#
229	22.2	15.6	23.4

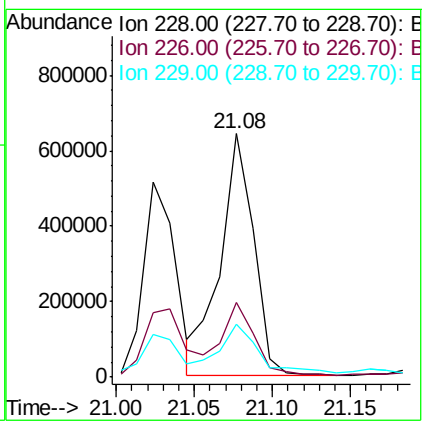


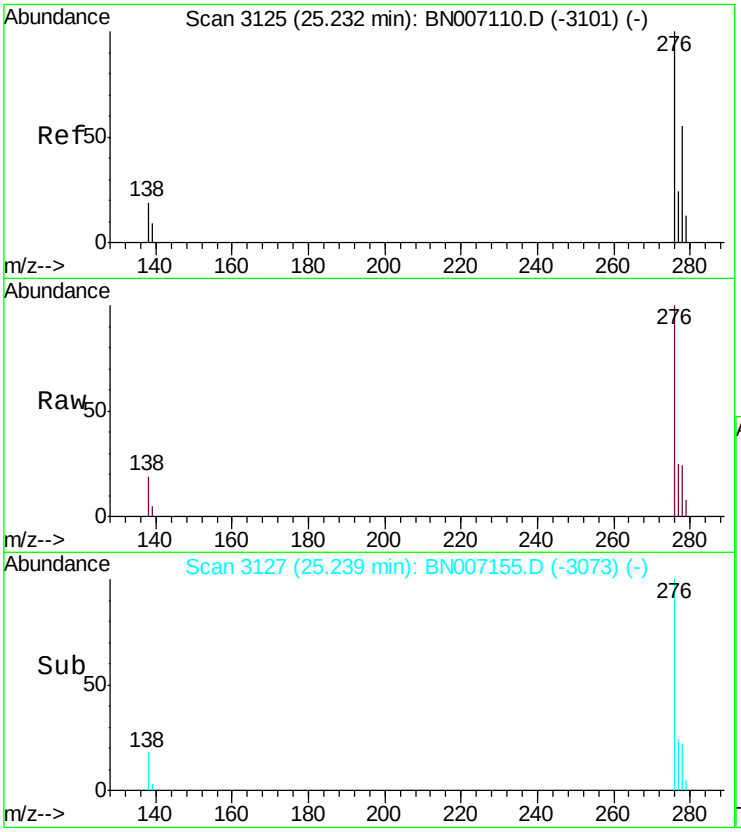


#30
Chrysene
Concen: 5.789 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Tgt Ion:228 Resp: 948175

Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.8	35.6
229	21.9	15.7	23.5



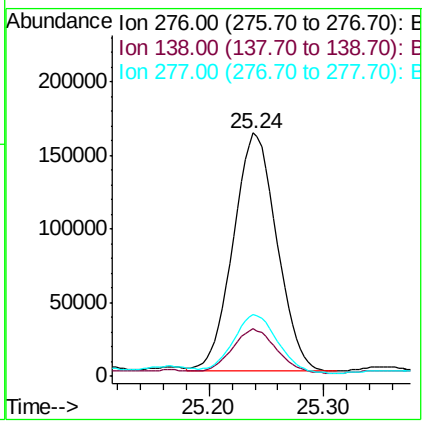


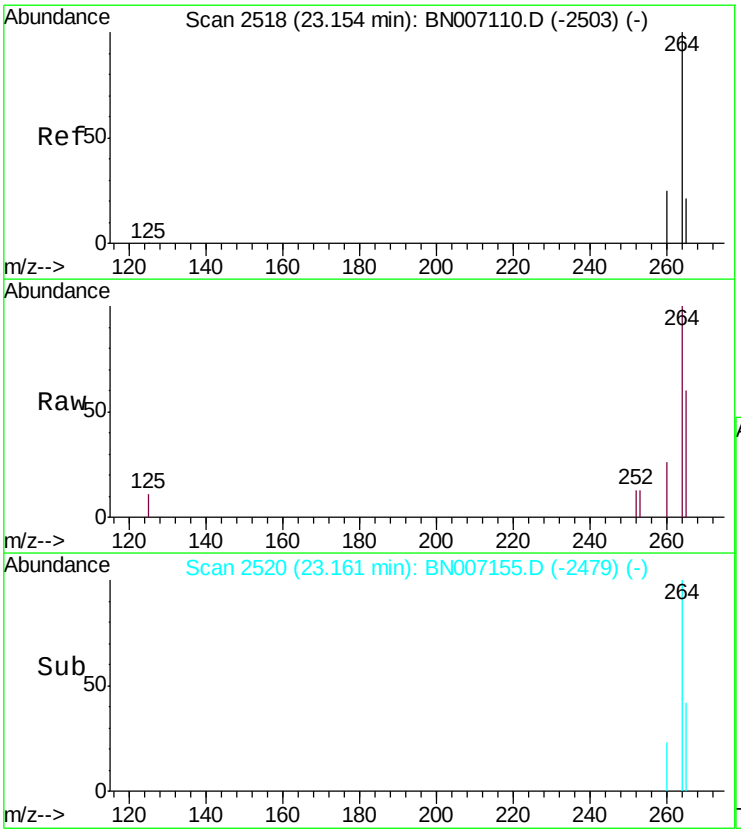
#31
Indeno(1,2,3-cd)pyrene
Concen: 2.366 ng
RT: 25.24 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW089-080119

Tgt Ion:276 Resp: 427092

Ion	Ratio	Lower	Upper
276	100		
138	18.7	16.0	24.0
277	24.9	19.9	29.9

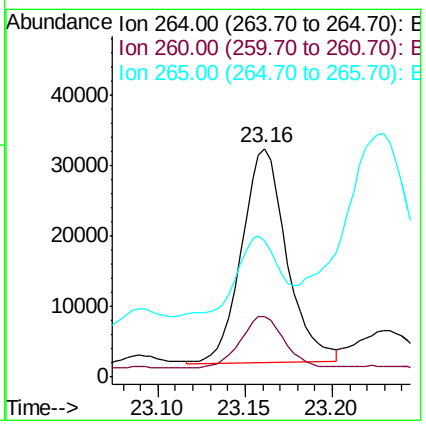


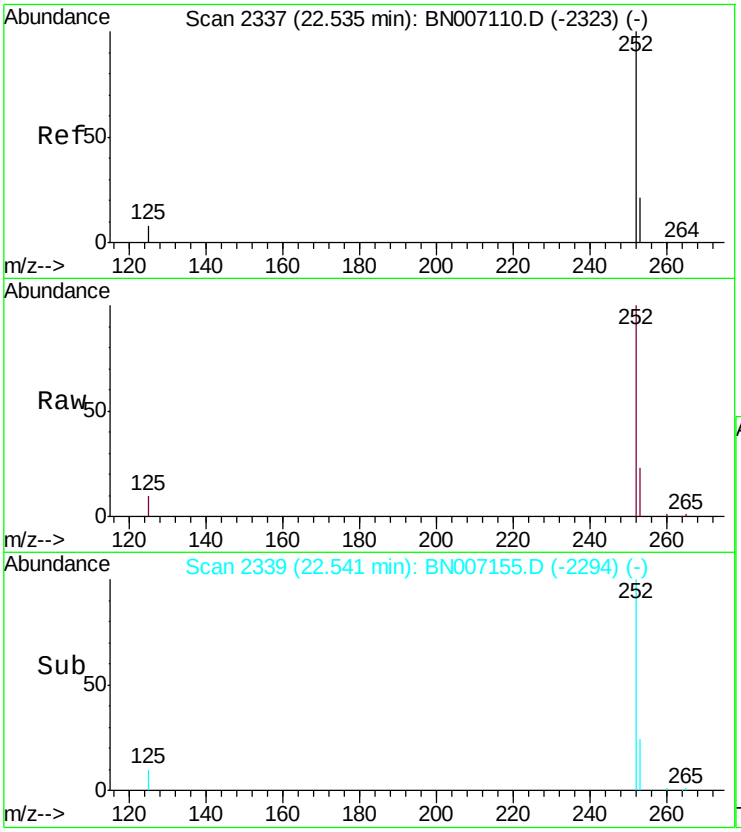


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Tgt Ion:264 Resp: 54724

Ion	Ratio	Lower	Upper
264	100		
260	26.3	19.8	29.8
265	59.5	26.2	39.4#



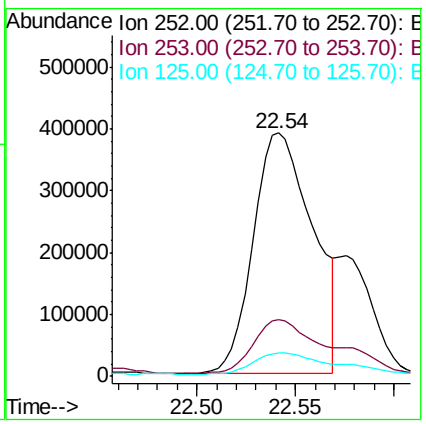


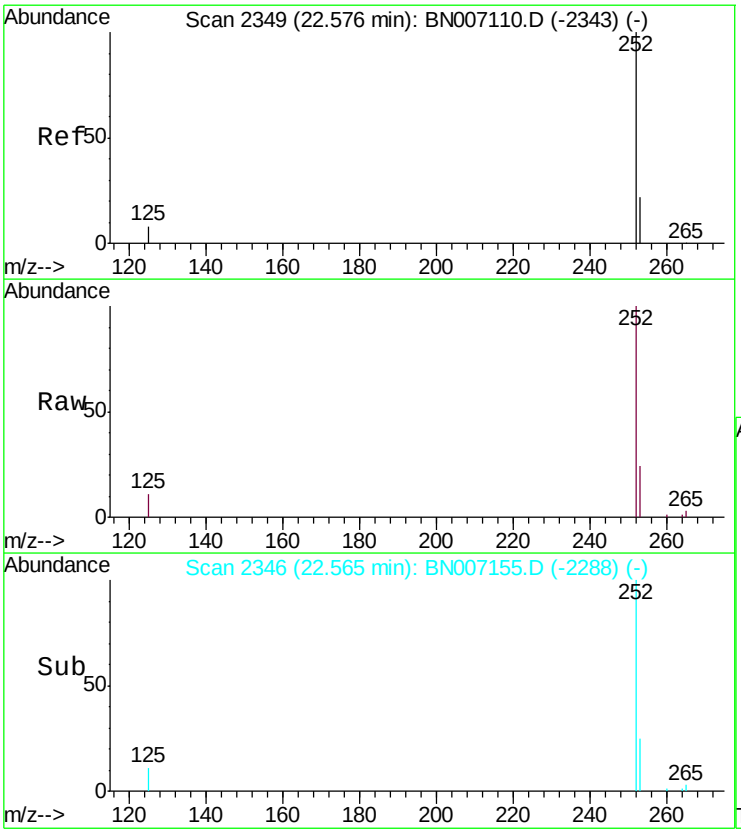
#33
Benzo(b)fluoranthene
Concen: 4.391 ng m
RT: 22.54 min Scan# 2339
Delta R.T. -0.01 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW089-080119

Tgt Ion:252 Resp: 823897

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	9.6	7.4	11.0

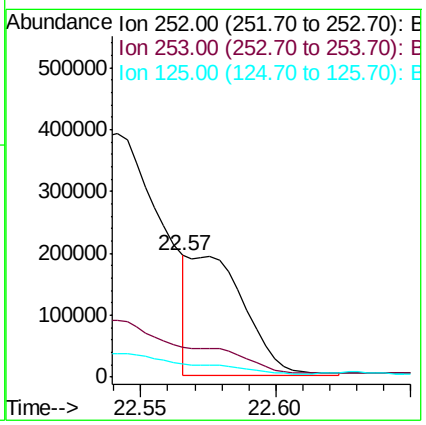


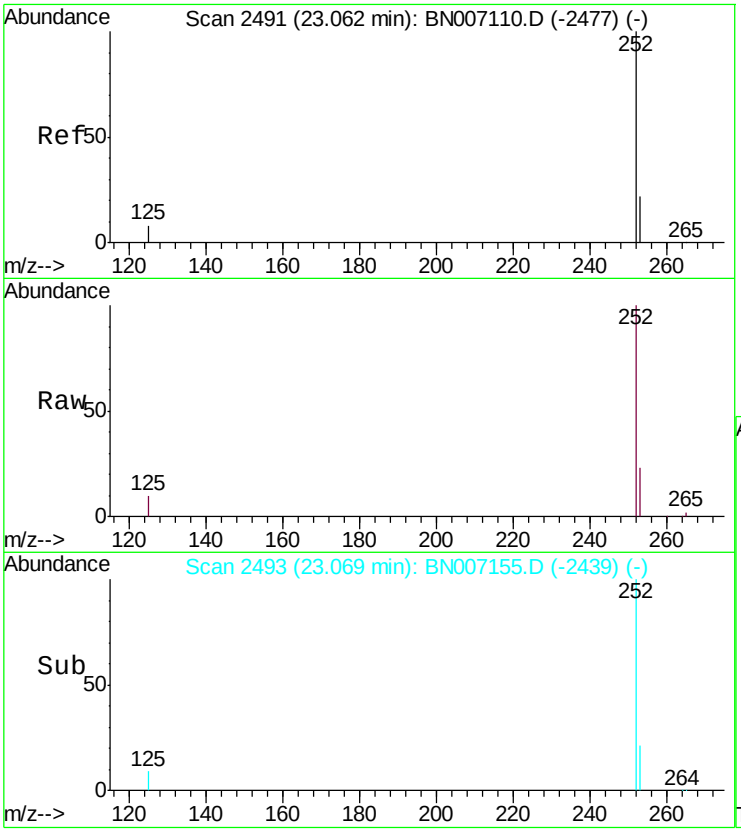


#34
Benzo(k)fluoranthene
Concen: 1.490 ng m
RT: 22.57 min Scan# 2346
Delta R.T. -0.02 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Tgt Ion:252 Resp: 276170

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	10.9	7.4	11.0



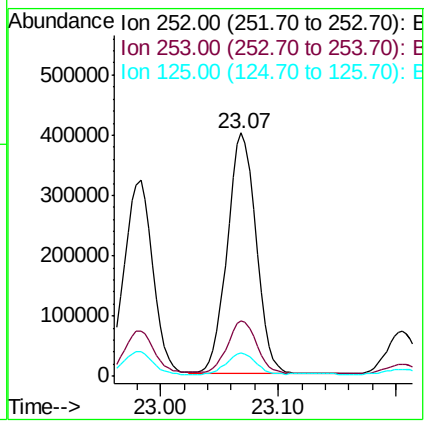


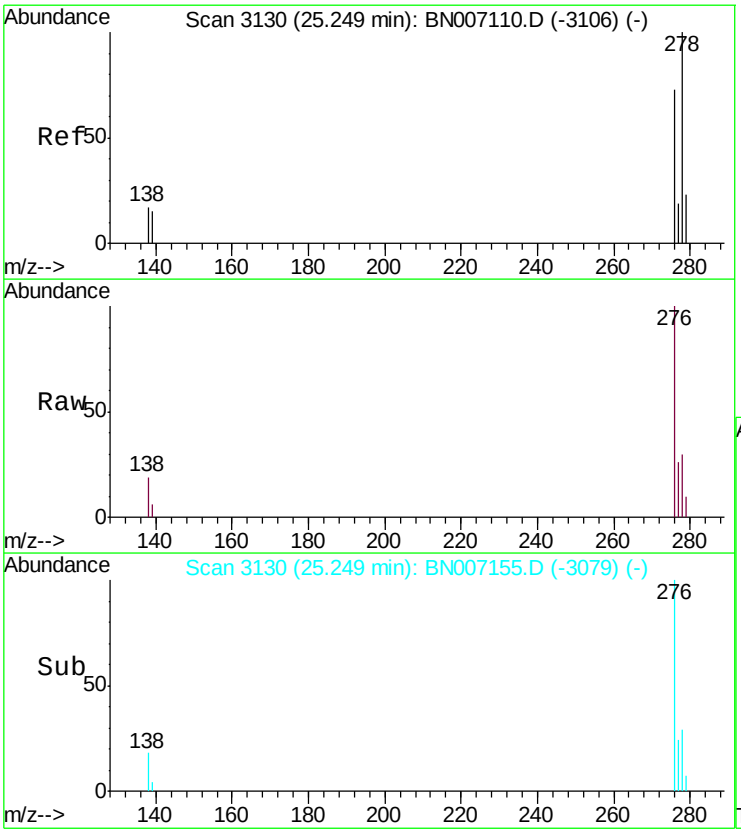
#35
Benzo(a)pyrene
Concen: 3.997 ng
RT: 23.07 min Scan# 2493
Delta R.T. -0.01 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW089-080119

Tgt Ion:252 Resp: 679986

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.5	27.7
125	9.6	8.2	12.4

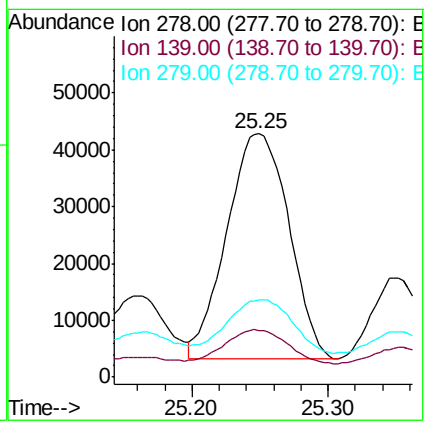


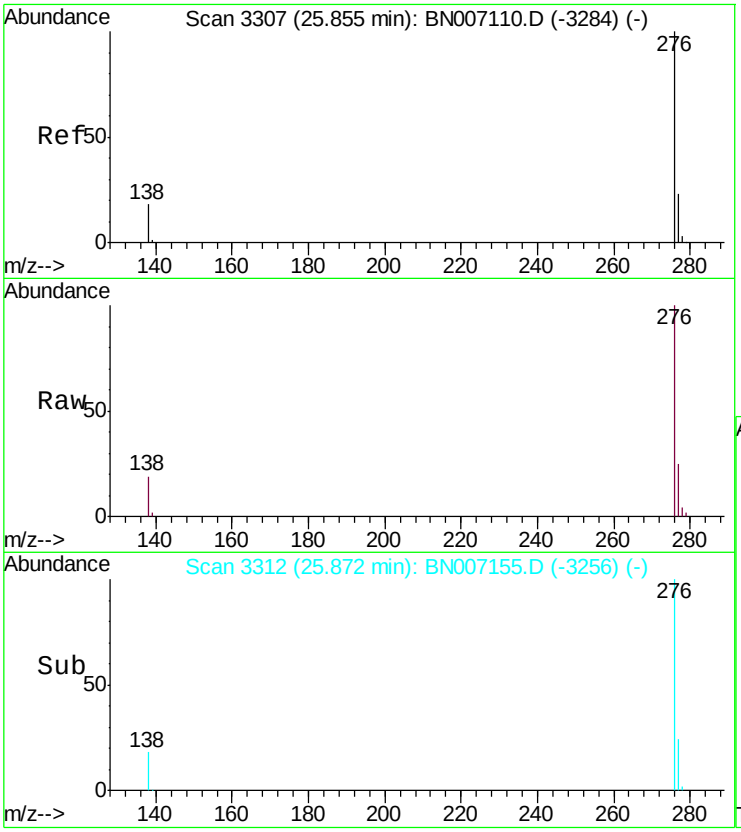


#36
Dibenzo(a,h)anthracene
Concen: 0.737 ng
RT: 25.25 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Tgt Ion:278 Resp: 125016

Ion	Ratio	Lower	Upper
278	100		
139	19.3	11.3	16.9#
279	31.9	19.3	28.9#





#37
Benzo(g,h,i)perylene
Concen: 2.870 ng
RT: 25.87 min Scan# 3312
Delta R.T. -0.01 min
Lab File: BN007155.D
Acq: 14 Aug 2019 06:21

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW089-080119

Tgt Ion:276 Resp: 501122

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.8	29.8
138	18.8	14.6	22.0