Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081419\

Quantitation Report (QT Reviewed)

Data File : BN007175.D
Acq On : 14 Aug 2019 22:17
Operator : HP/JU
Sample : K4282-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PST-035-SW119-080819

Quant Time: Aug 15 11:38:53 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	7947	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	28959	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	15961	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	35891	0.40	ng	0.00
26) Chrysene-d12	21.05	240	36306	0.40	ng	-0.01
32) Perylene-d12	23.16	264	40443	0.40	ng	-0.01
System Monitoring Compounds						
3) 2-Fluorophenol	5.06	112	5444	0.29	ng	0.00
4) Phenol-d6	6.61	99	7035	0.30	ng	0.00
7) Nitrobenzene-d5	8.55	82	5824	0.25	ng	-0.01
10) 2-Methylnaphthalene-d10	11.79	152	12580	0.23	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1918	0.22	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	1921	0.08	ng	0.00
24) Fluoranthene-d10	18.87	212	26996	0.21	ng	0.00
28) Terphenyl-d14	19.49	244	20599	0.21	ng	-0.01
Target Compounds						Qvalue
8) Naphthalene	10.24	128	2361	0.029	ng	# 82
11) 2-Methylnaphthalene	11.86	142	1985	0.035	ng	# 87
15) Acenaphthylene	13.79	152	17274	0.207	ng	100
16) Acenaphthene	14.13	154	1588	0.030	ng	# 81
17) Fluorene	15.12	166	3493	0.044	ng	# 74
22) Phenanthrene	16.87	178	50359	0.468	ng	99
23) Anthracene	16.95	178	8732	0.089	ng	# 92
25) Fluoranthene	18.90	202	89059	0.647	ng	100
27) Pyrene	19.26	202	94140	0.739	ng	# 96
29) Benzo(a)anthracene	21.02	228	45736m	0.344	ng	
30) Chrysene	21.08	228	59504	0.461	ng	95
31) Indeno(1,2,3-cd)pyrene	25.23	276	33529	0.236	ng	98
33) Benzo(b)fluoranthene	22.54	252	68748	0.496	ng	# 94
34) Benzo(k)fluoranthene	22.58	252	23179m	0.169	ng	
35) Benzo(a)pyrene	23.07	252	46434	0.369	ng	# 94
36) Dibenzo(a,h)anthracene	25.25	278	8971	0.072	ng	# 61
37) Benzo(g,h,i)perylene	25.86	276	35013	0.271	ng	94

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

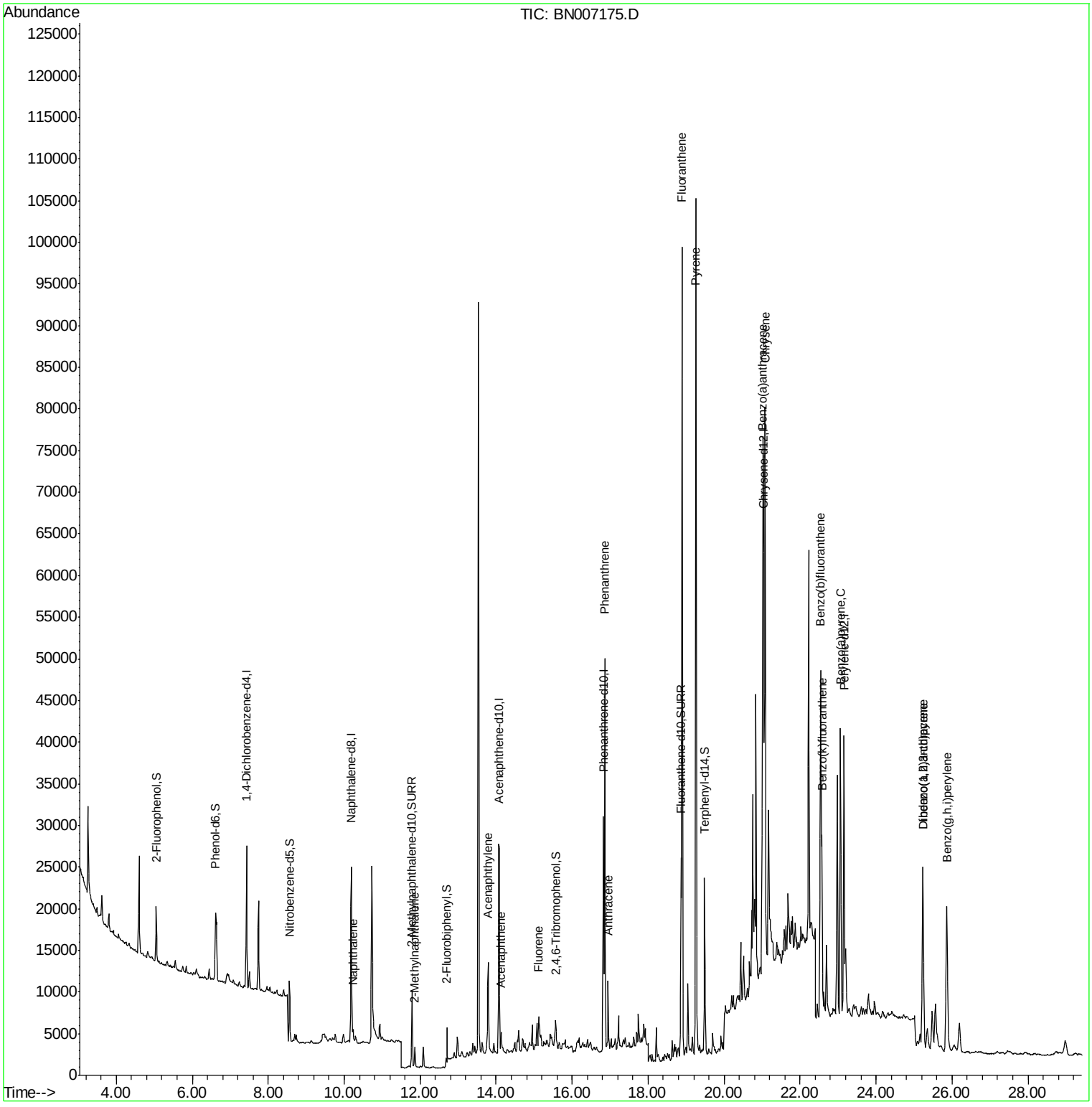
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081419\

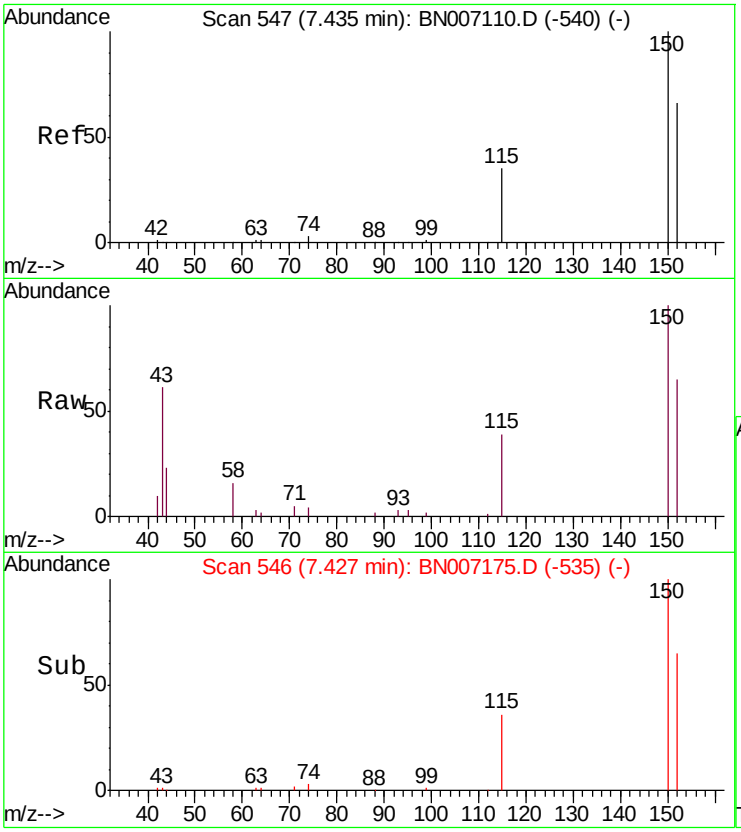
Quantitation Report (QT Reviewed)

Data File : BN007175.D
Acq On : 14 Aug 2019 22:17
Operator : HP/JU
Sample : K4282-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-035-SW119-080819

Quant Time: Aug 15 11:38:53 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



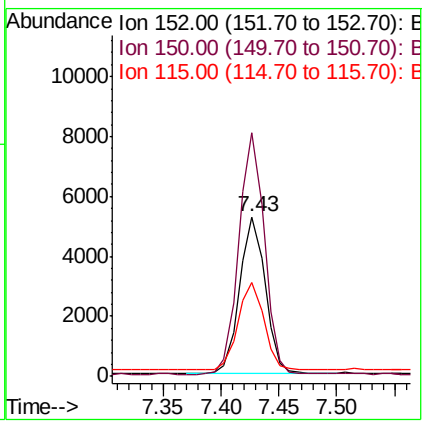


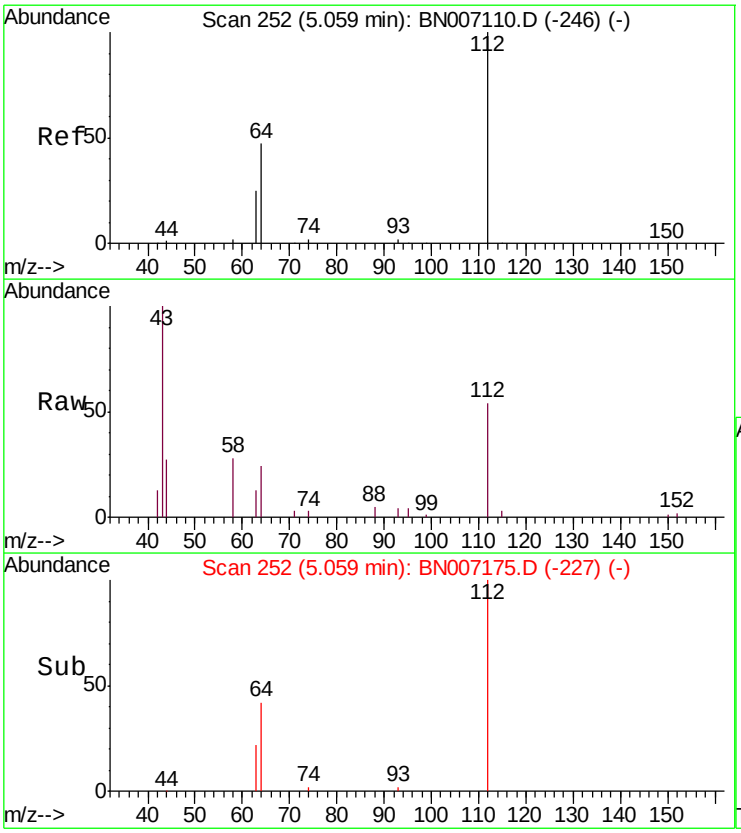
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Instrument :
BNA_N
ClientSampleId :
PST-035-SW119-080819

Tgt Ion:152 Resp: 7947

Ion	Ratio	Lower	Upper
152	100		
150	153.0	121.7	182.5
115	59.3	46.2	69.4

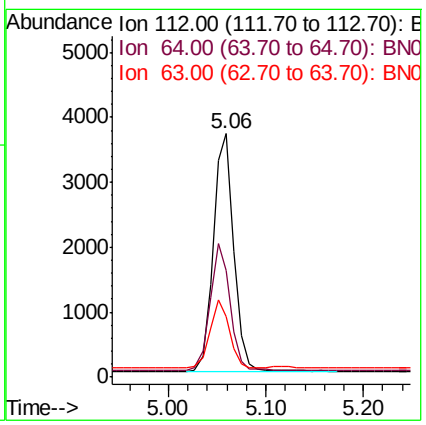


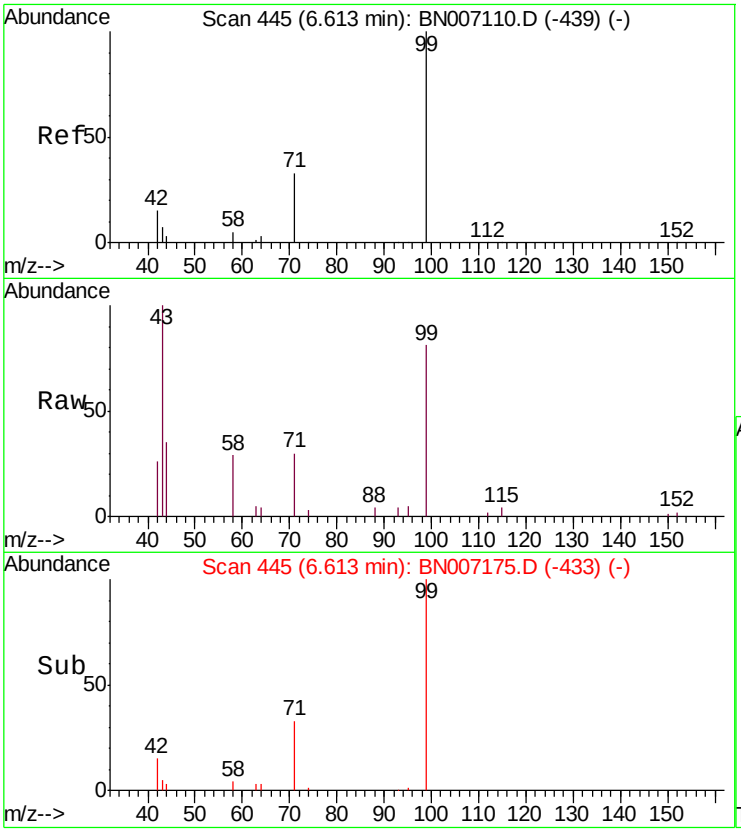


#3
2-Fluorophenol
Concen: 0.285 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Tgt Ion:112 Resp: 5444

Ion	Ratio	Lower	Upper
112	100		
64	51.5	42.6	63.8
63	26.9	22.2	33.2



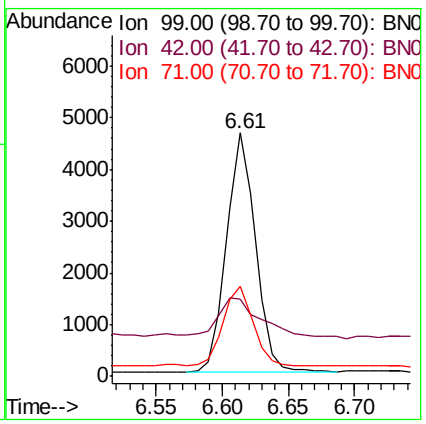


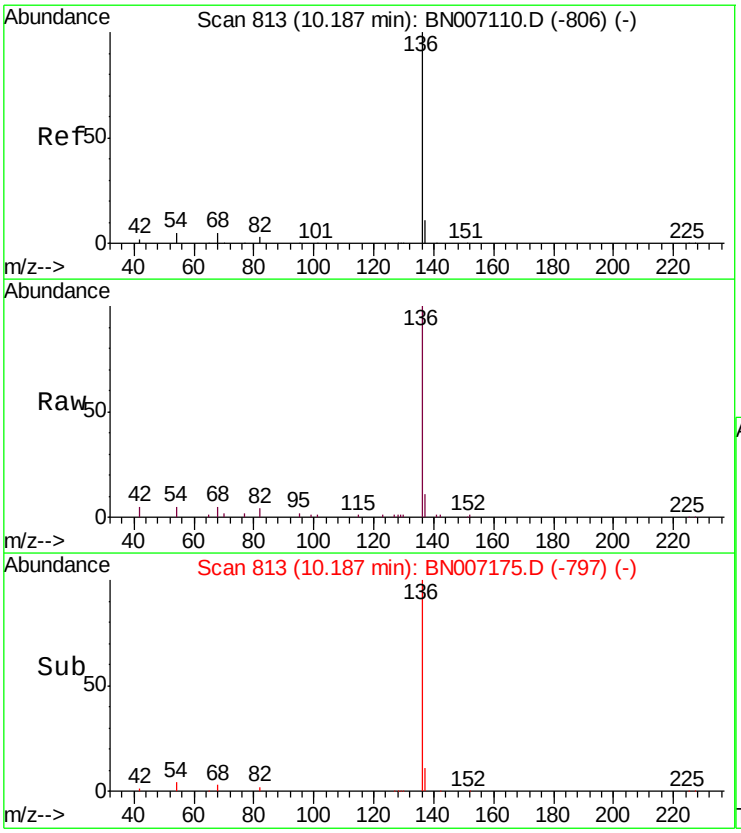
#4
Phenol-d6
Concen: 0.297 ng
RT: 6.61 min Scan# 445
Delta R.T. -0.00 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Instrument :
BNA_N
ClientSampleId :
PST-035-SW119-080819

Tgt Ion: 99 Resp: 7035

Ion	Ratio	Lower	Upper
99	100		
42	27.8	15.8	23.6#
71	34.3	27.0	40.4

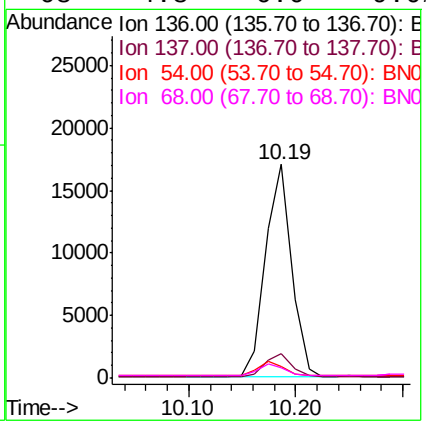


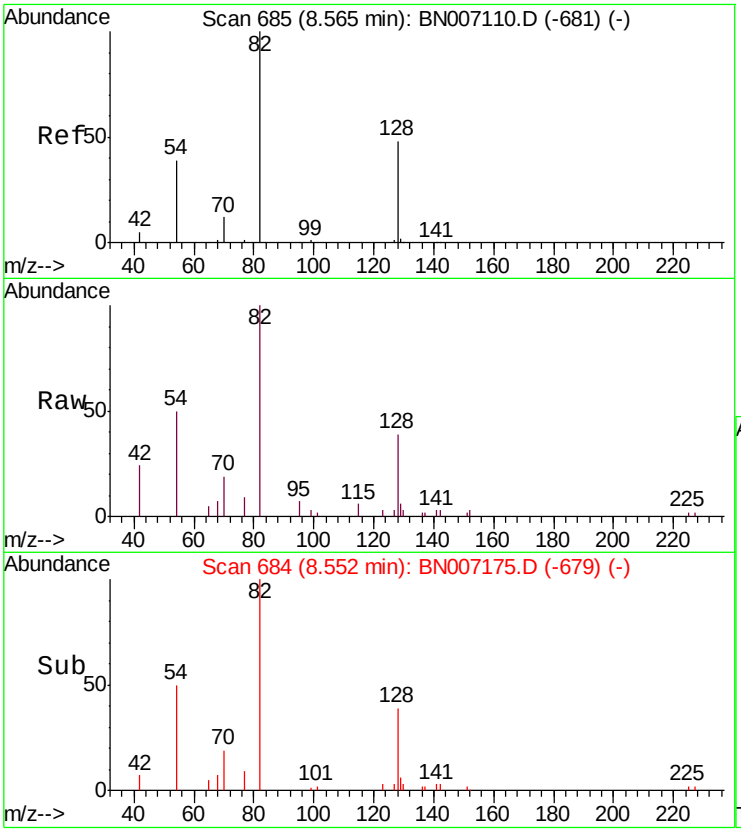


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Tgt Ion:136 Resp: 28959

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.4	14.0
54	5.1	6.6	9.8#
68	4.8	6.0	9.0#



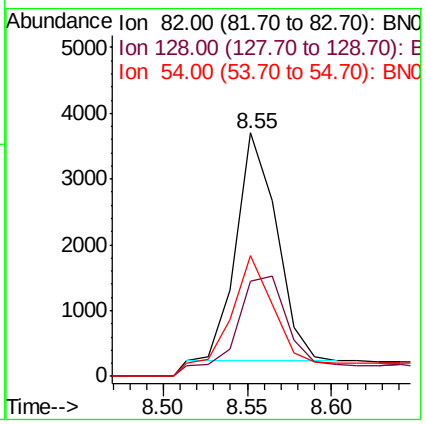


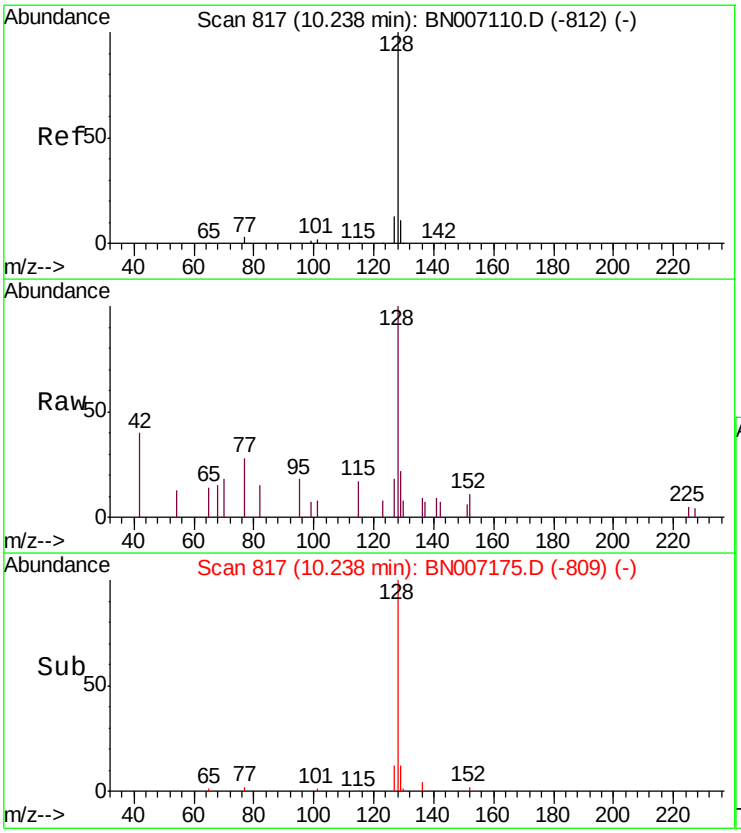
#7
Nitrobenzene-d5
Concen: 0.249 ng
RT: 8.55 min Scan# 684
Delta R.T. -0.01 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Instrument :
BNA_N
ClientSampleId :
PST-035-SW119-080819

Tgt Ion: 82 Resp: 5824

Ion	Ratio	Lower	Upper
82	100		
128	39.3	34.6	51.8
54	49.8	36.2	54.4

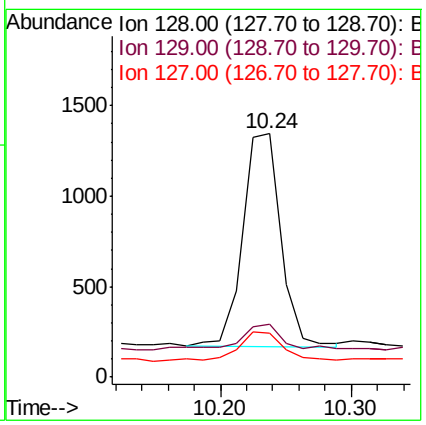


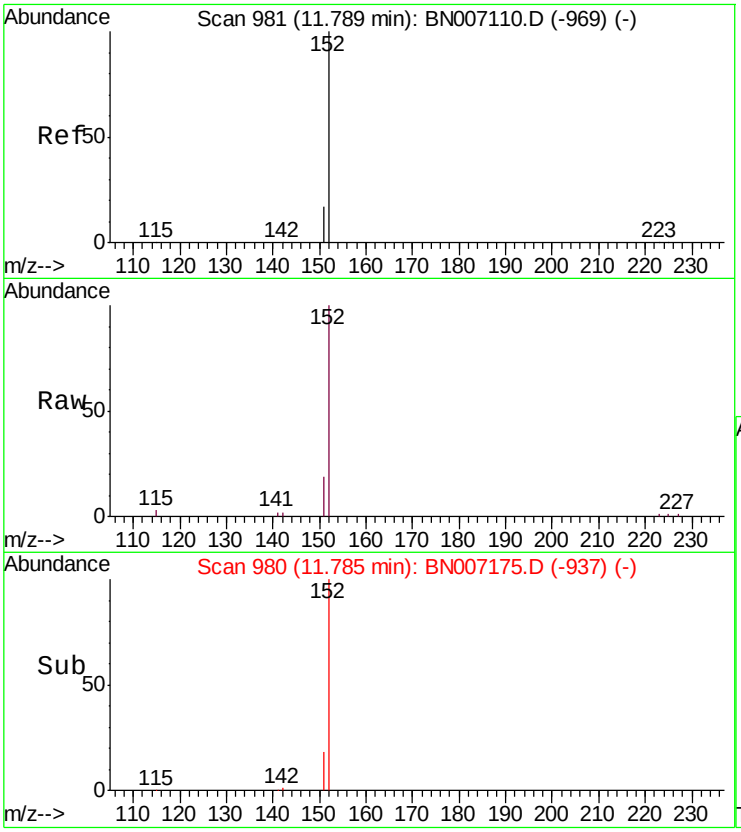


#8
Naphthalene
Concen: 0.029 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Tgt Ion:128 Resp: 2361

Ion	Ratio	Lower	Upper
128	100		
129	22.0	9.4	14.2#
127	18.1	11.0	16.6#



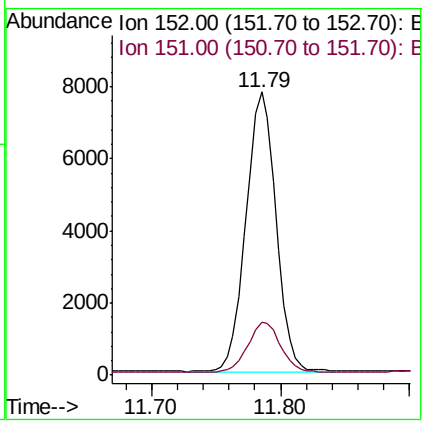


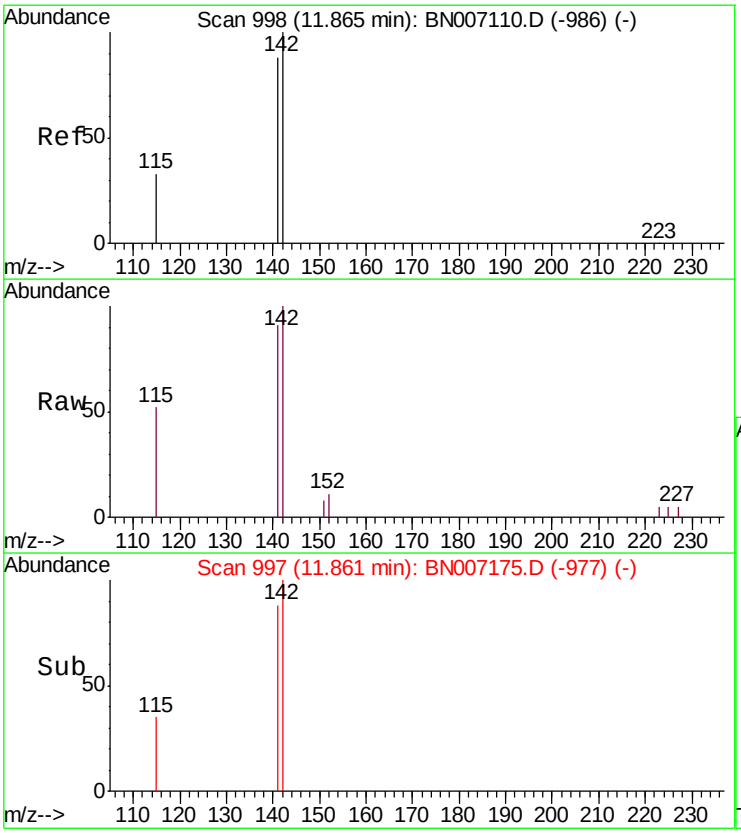
#10
2-Methylnaphthalene-d10
Concen: 0.233 ng
RT: 11.79 min Scan# 980
Delta R.T. -0.01 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Instrument :
BNA_N
ClientSampleId :
PST-035-SW119-080819

Tgt Ion:152 Resp: 12580

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.5	23.3

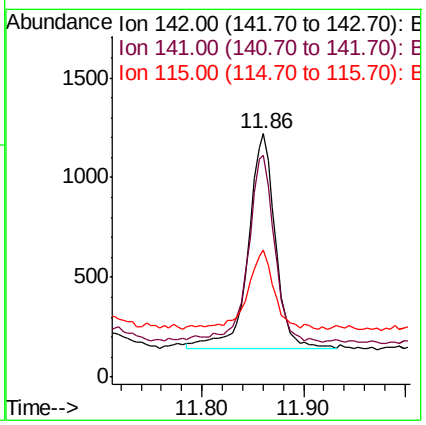


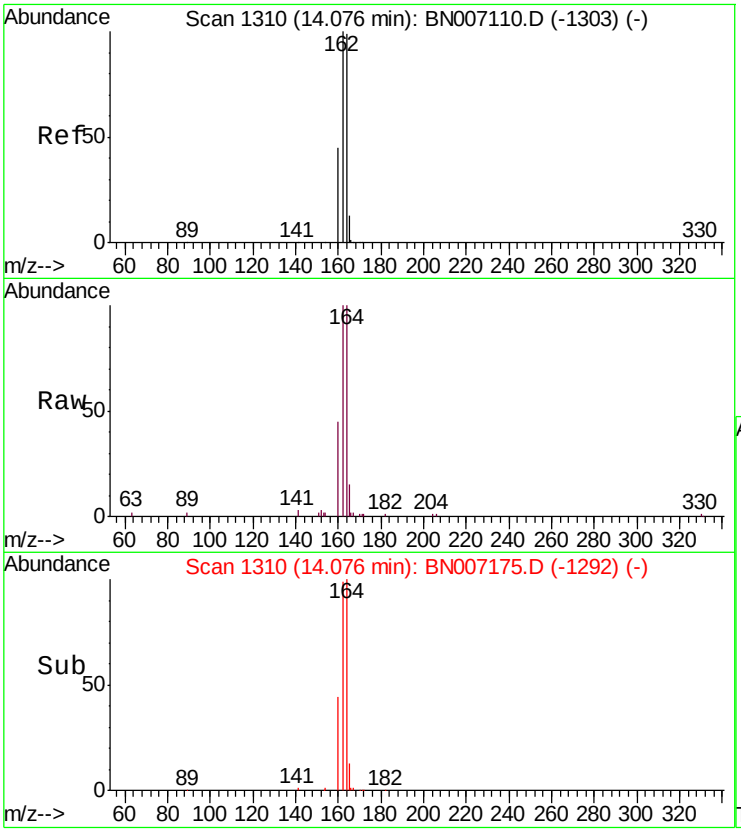


#11
2-Methylnaphthalene
Concen: 0.035 ng
RT: 11.86 min Scan# 997
Delta R.T. -0.01 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Tgt Ion:142 Resp: 1985

Ion	Ratio	Lower	Upper
142	100		
141	91.2	69.0	103.6
115	52.0	27.1	40.7#



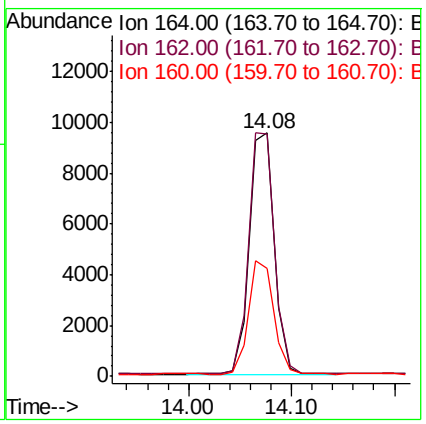


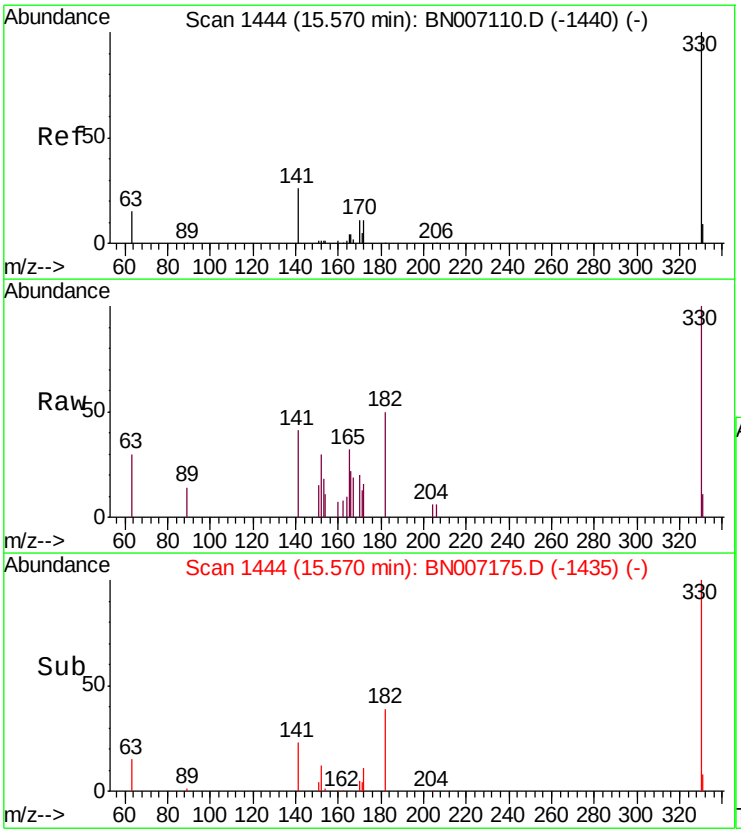
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Instrument :
BNA_N
ClientSampleId :
PST-035-SW119-080819

Tgt Ion:164 Resp: 15961

Ion	Ratio	Lower	Upper
164	100		
162	99.5	82.2	123.4
160	44.5	38.3	57.5

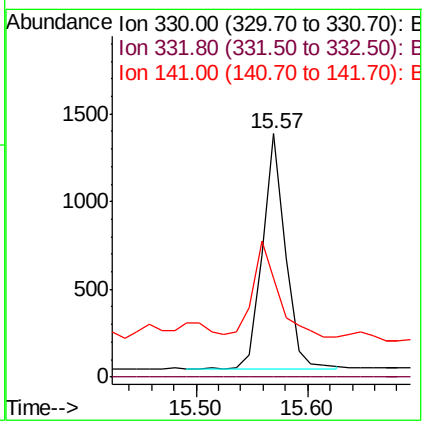


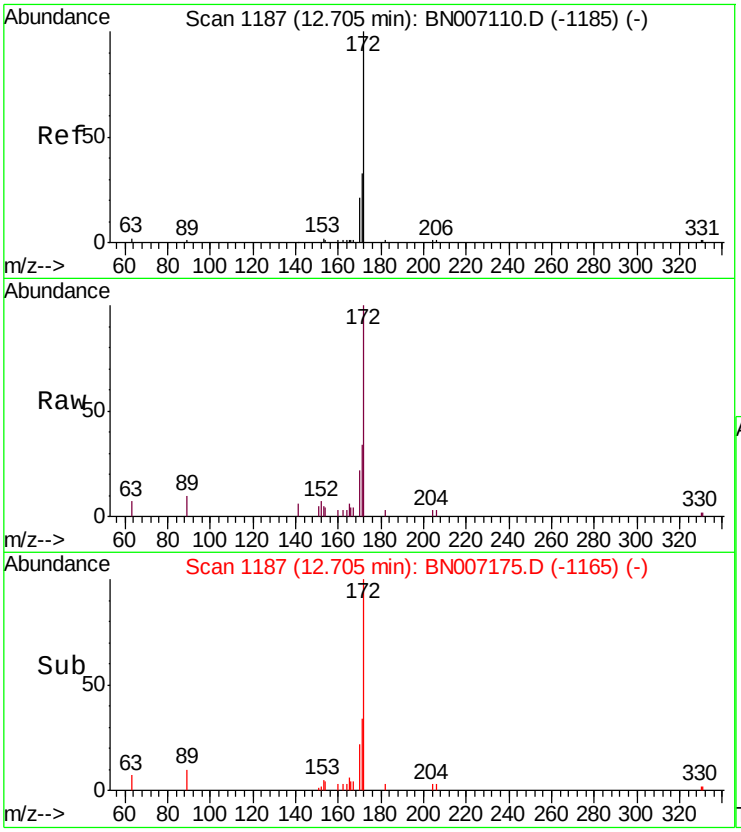


#13
2,4,6-Tribromophenol
Concen: 0.223 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Tgt Ion:330 Resp: 1918

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	45.6	33.6	50.4



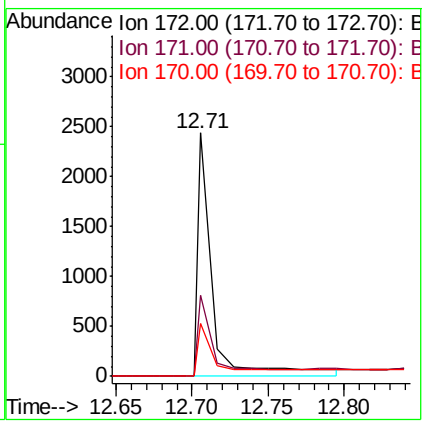


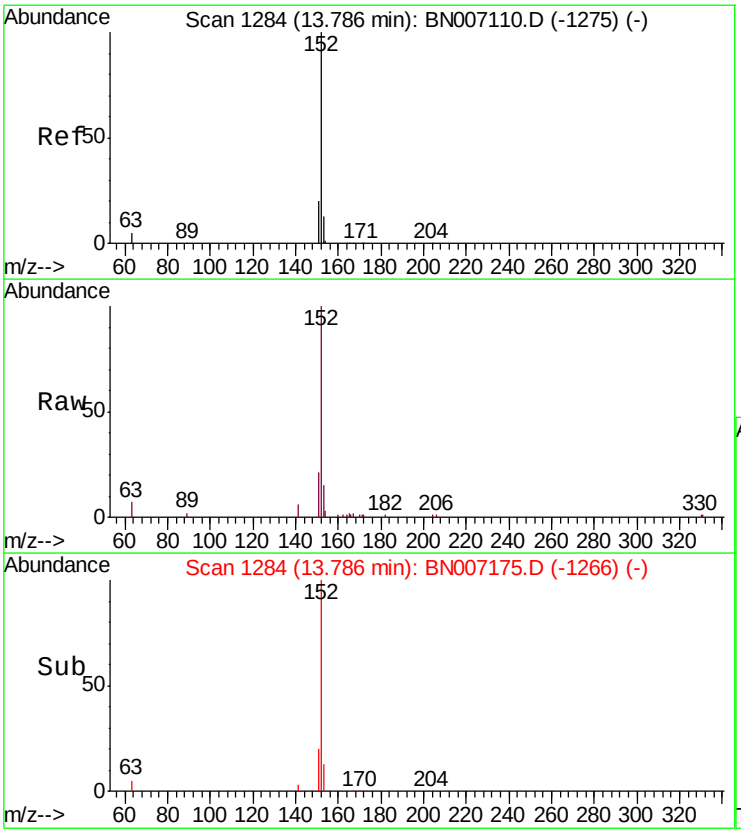
#14
2-Fluorobiphenyl
Concen: 0.083 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Instrument :
BNA_N
ClientSampleId :
PST-035-SW119-080819

Tgt Ion:172 Resp: 1921

Ion	Ratio	Lower	Upper
172	100		
171	33.5	26.3	39.5
170	21.5	17.0	25.4

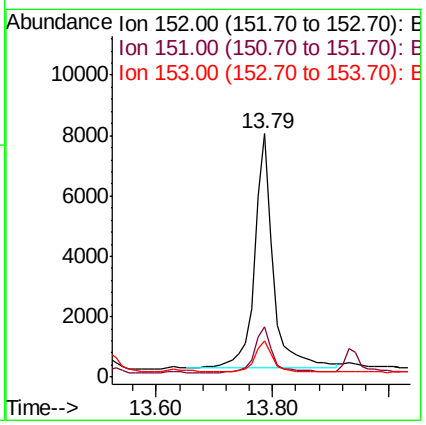


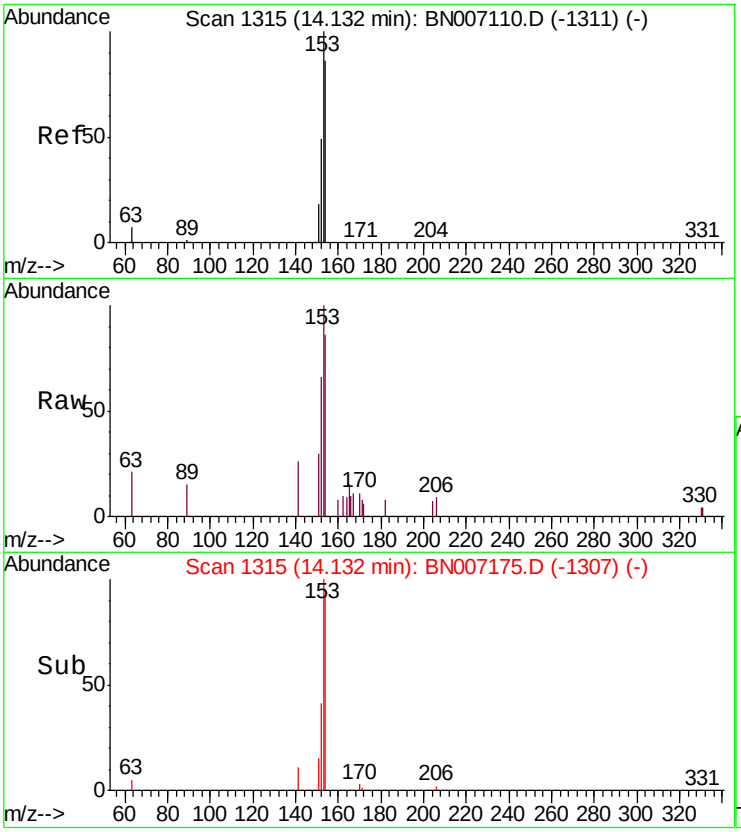


#15
Acenaphthylene
Concen: 0.207 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Tgt Ion:152 Resp: 17274

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	12.9	10.4	15.6



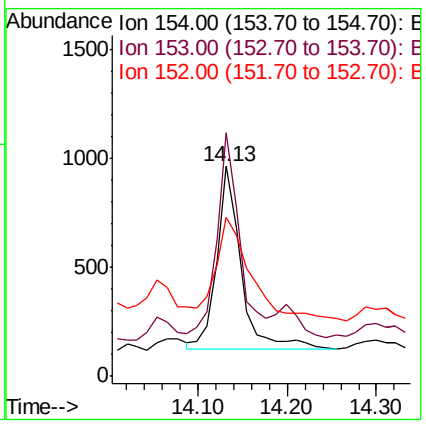


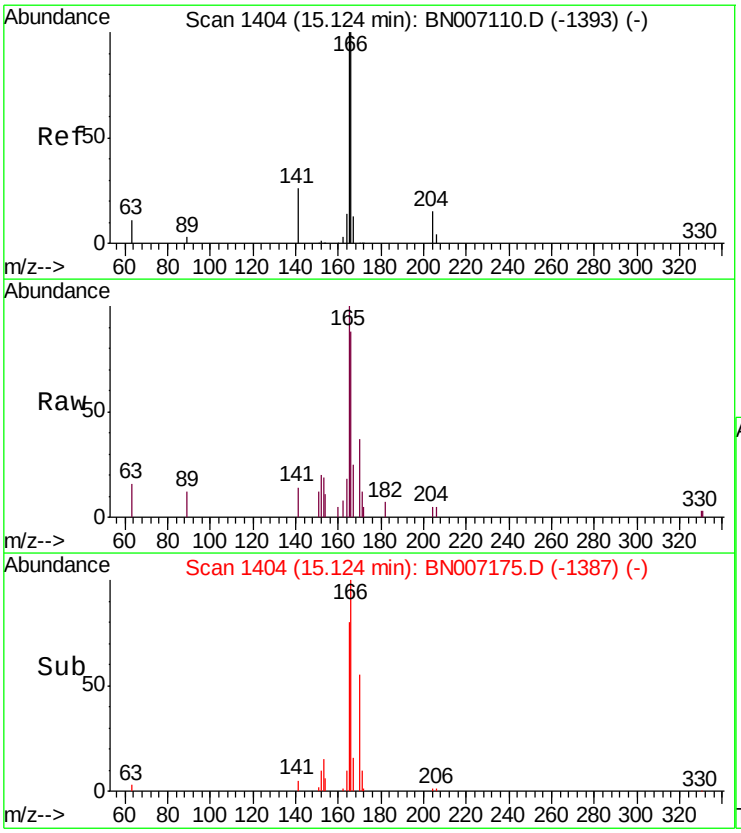
#16
Acenaphthene
Concen: 0.030 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Instrument :
BNA_N
ClientSampleId :
PST-035-SW119-080819

Tgt Ion:154 Resp: 1588

Ion	Ratio	Lower	Upper
154	100		
153	102.6	89.5	134.3
152	84.2	44.8	67.2#

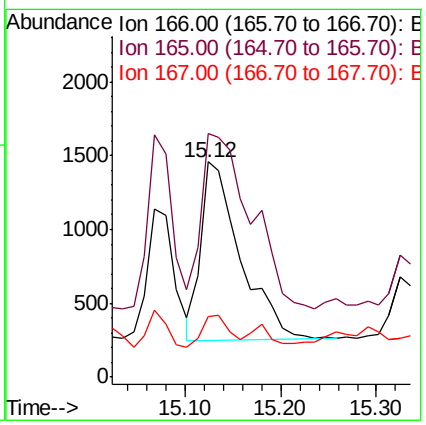


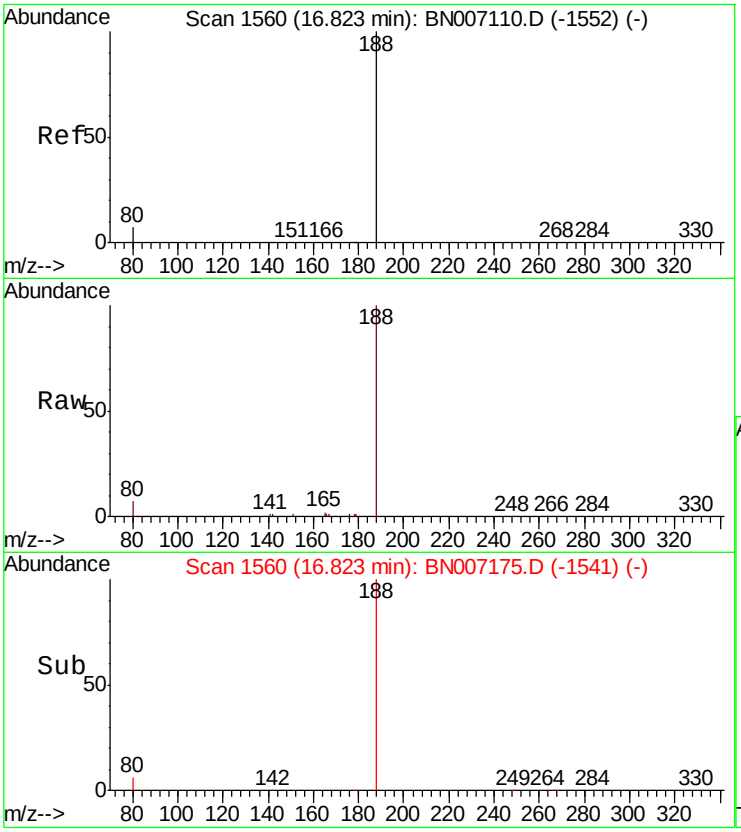


#17
Fluorene
Concen: 0.044 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Tgt Ion:166 Resp: 3493

Ion	Ratio	Lower	Upper
166	100		
165	126.3	77.9	116.9#
167	12.2	10.9	16.3



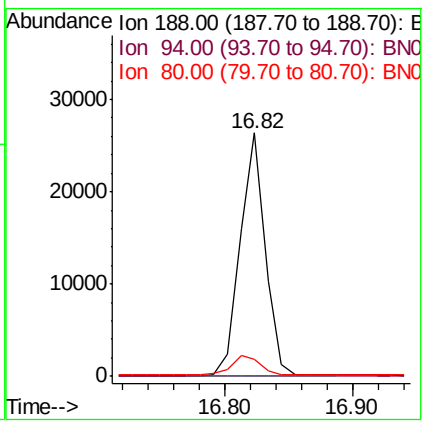


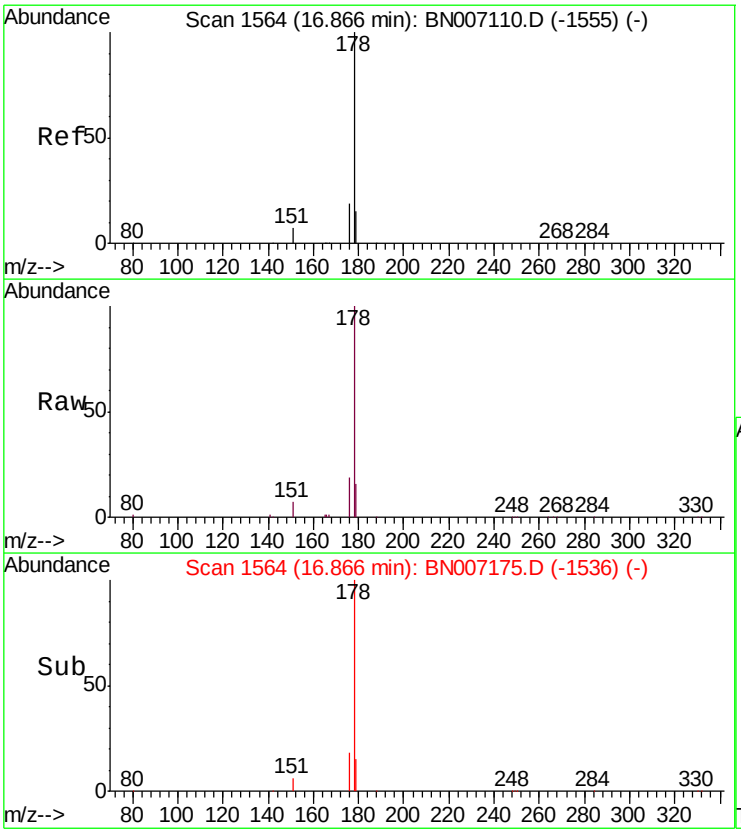
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Instrument :
BNA_N
ClientSampleId :
PST-035-SW119-080819

Tgt Ion:188 Resp: 35891

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.0	7.8	11.6#

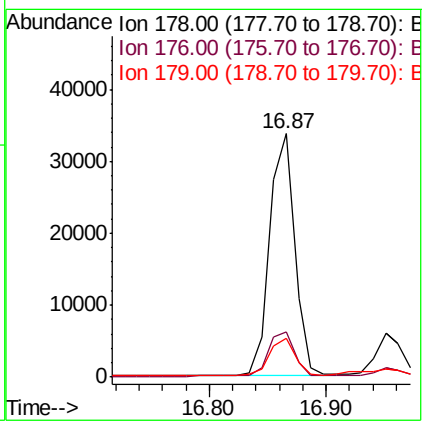


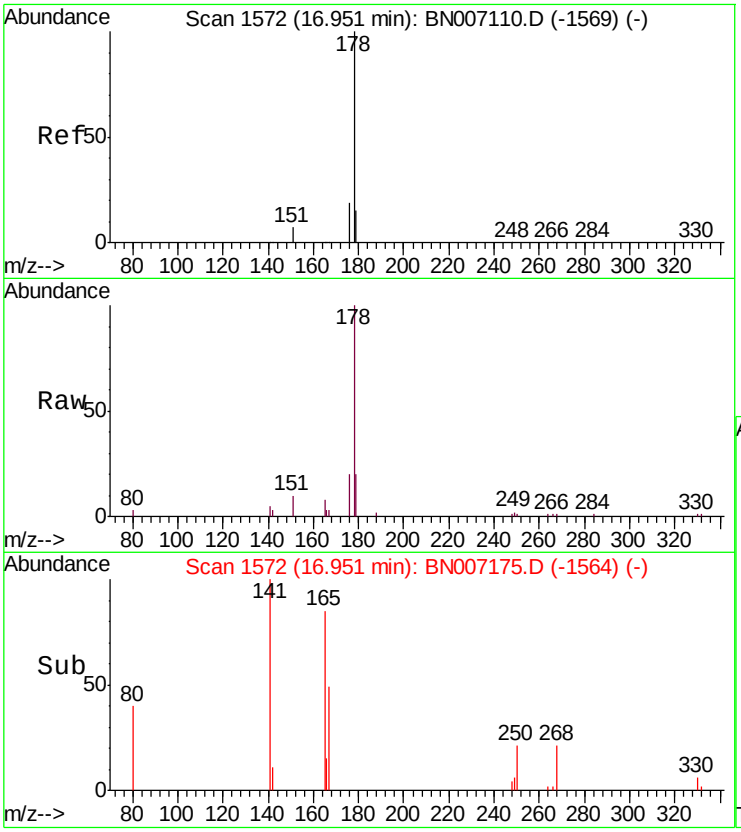


#22
Phenanthrene
Concen: 0.468 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Tgt Ion:178 Resp: 50359

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.2	22.8
179	15.7	12.3	18.5



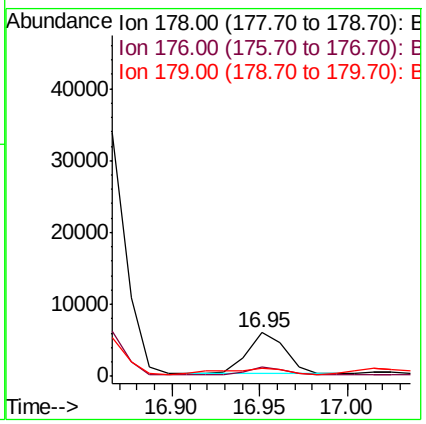


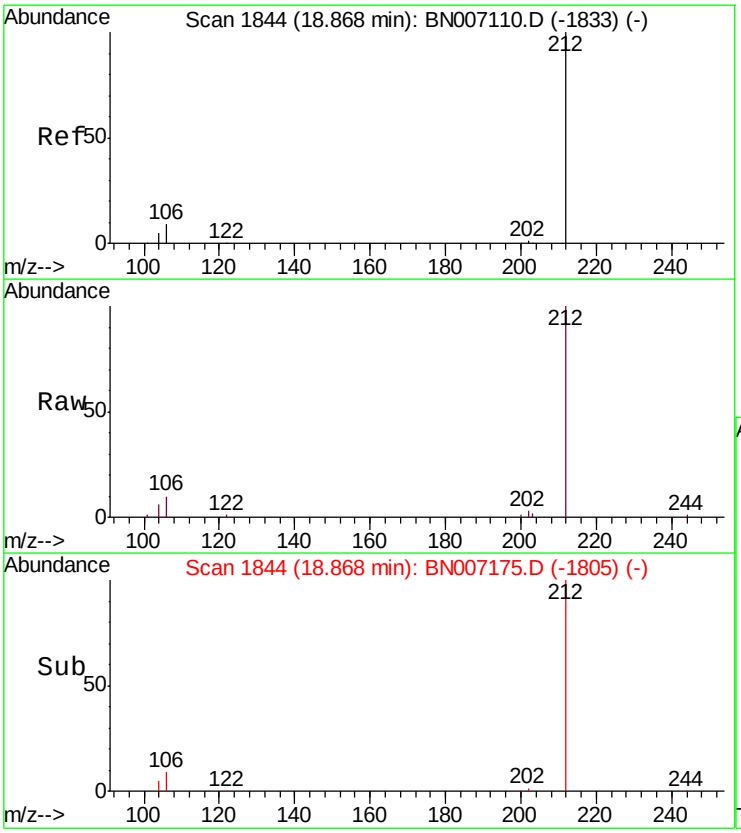
#23
Anthracene
Concen: 0.089 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Instrument :
BNA_N
ClientSampleId :
PST-035-SW119-080819

Tgt Ion:178 Resp: 8732

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	22.2	12.5	18.7#

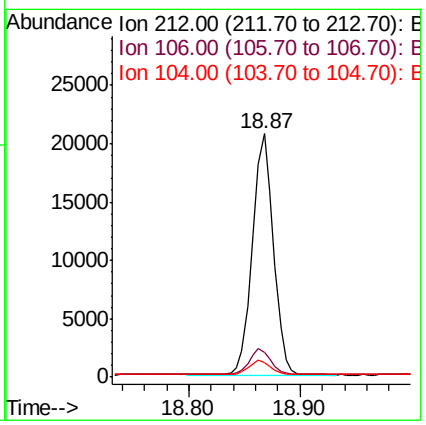


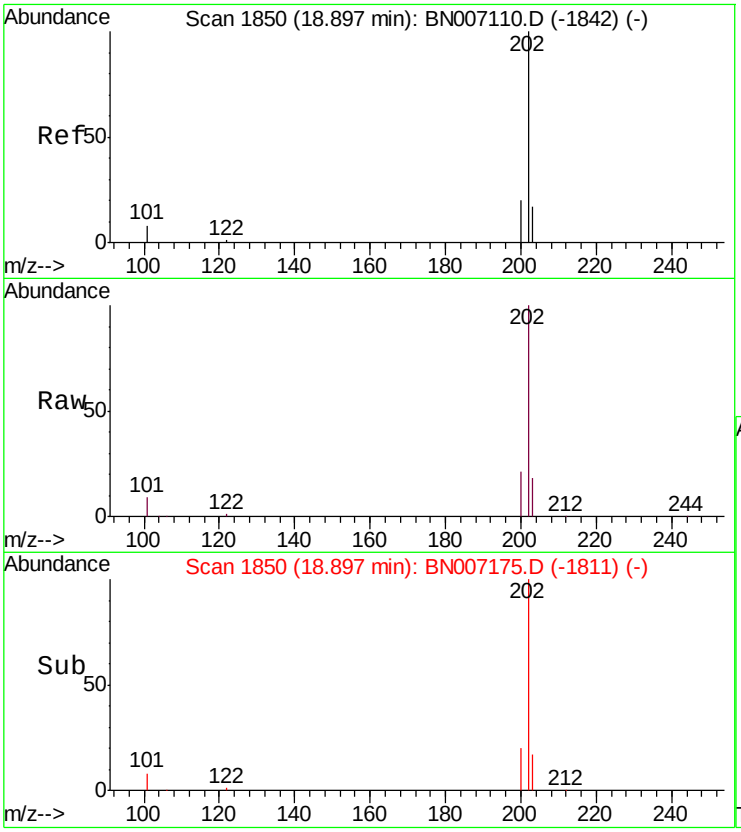


#24
Fluoranthene-d10
Concen: 0.212 ng
RT: 18.87 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Tgt Ion:212 Resp: 26996

Ion	Ratio	Lower	Upper
212	100		
106	10.7	8.2	12.2
104	6.0	4.5	6.7



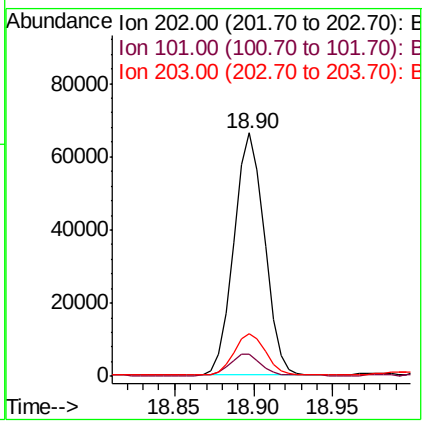


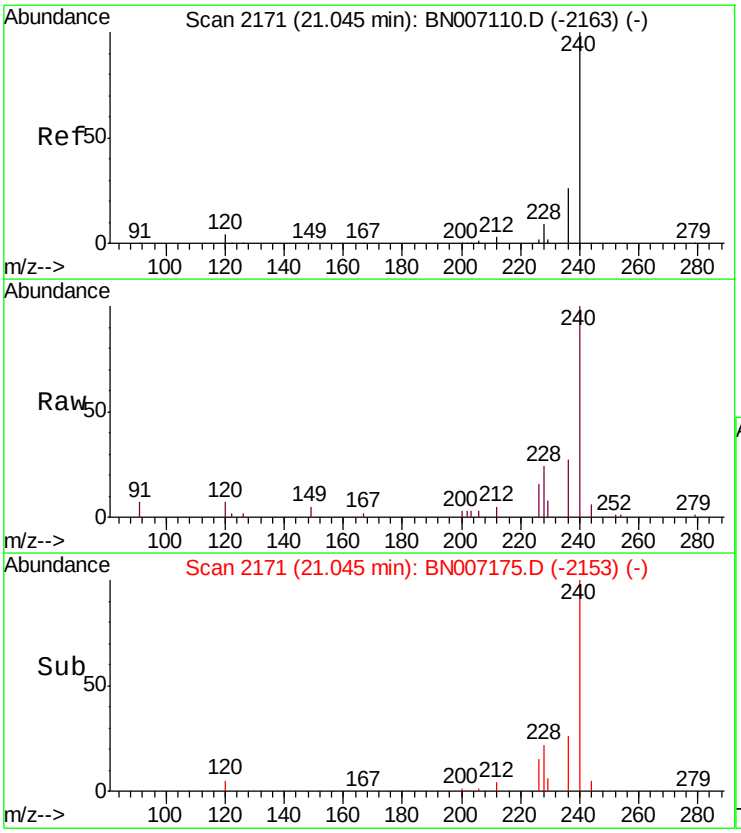
#25
Fluoranthene
Concen: 0.647 ng
RT: 18.90 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Instrument :
BNA_N
ClientSampleId :
PST-035-SW119-080819

Tgt Ion:202 Resp: 89059

Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.0	10.4
203	17.4	13.8	20.8

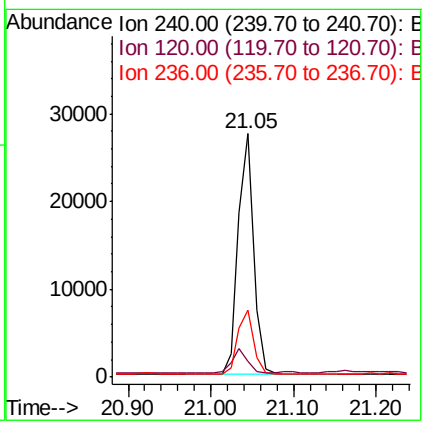


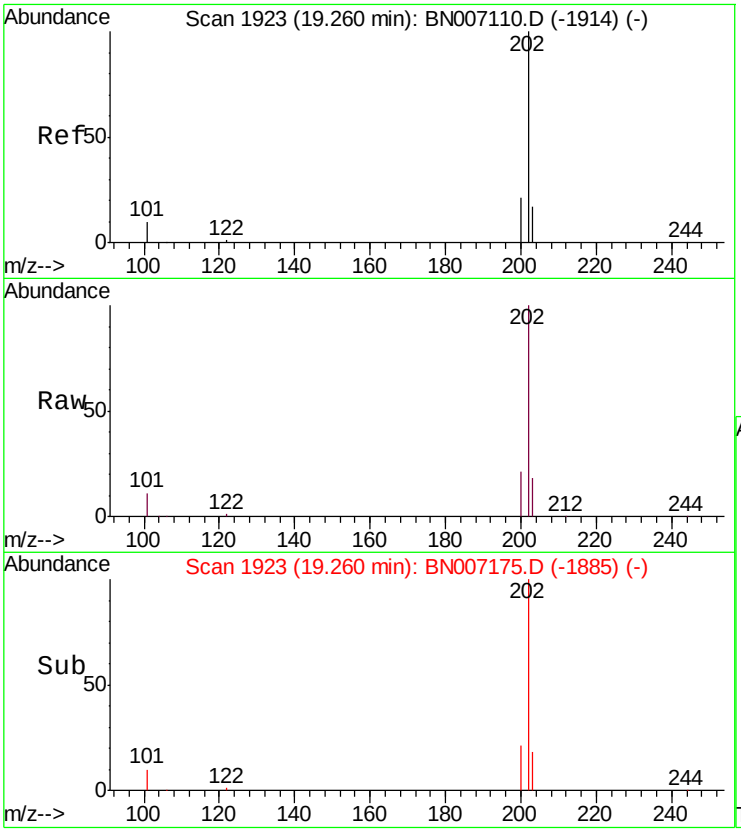


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Tgt Ion:240 Resp: 36306

Ion	Ratio	Lower	Upper
240	100		
120	6.5	4.0	6.0#
236	27.3	21.3	31.9



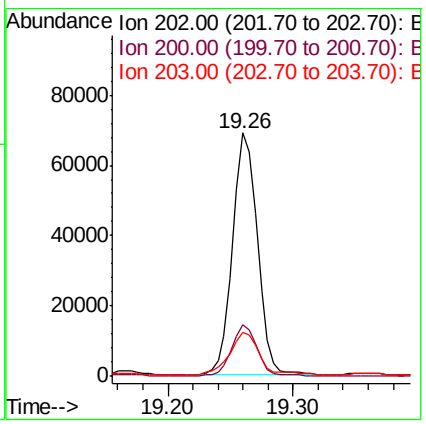


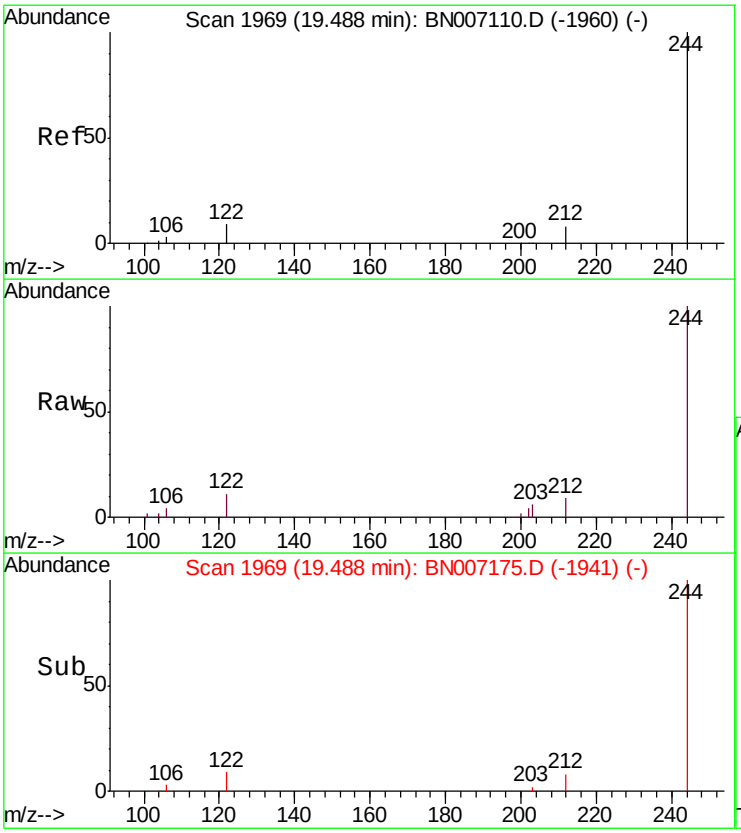
#27
Pyrene
Concen: 0.739 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Instrument :
BNA_N
ClientSampleId :
PST-035-SW119-080819

Tgt Ion:202 Resp: 94140

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	21.3	14.0	21.0#

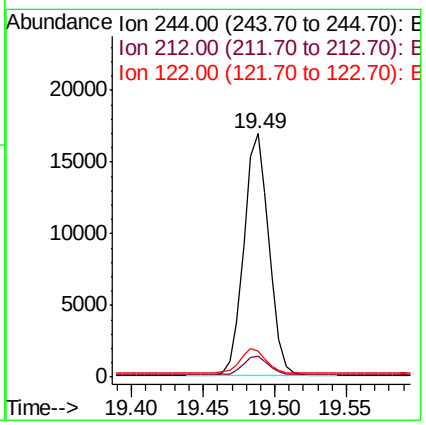


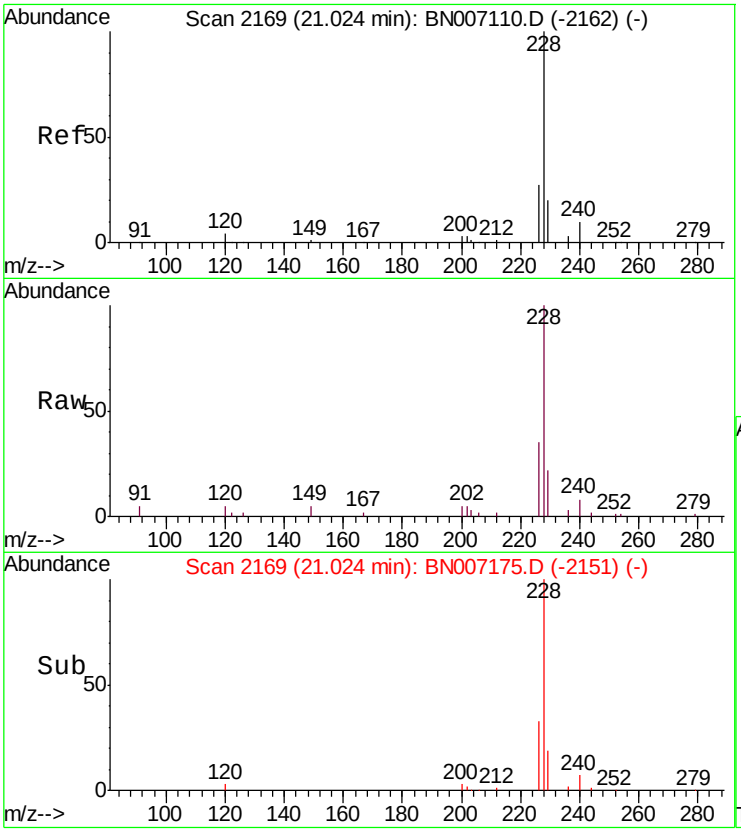


#28
Terphenyl-d14
Concen: 0.208 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Tgt Ion:244 Resp: 20599

Ion	Ratio	Lower	Upper
244	100		
212	8.7	6.2	9.2
122	10.6	7.4	11.2



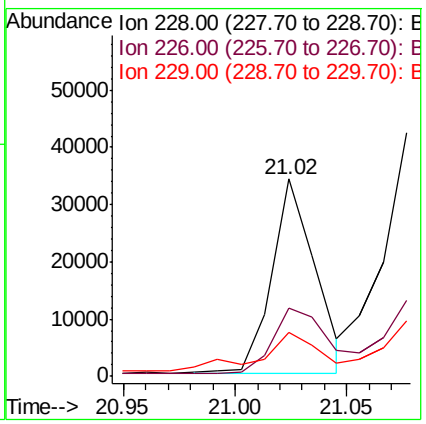


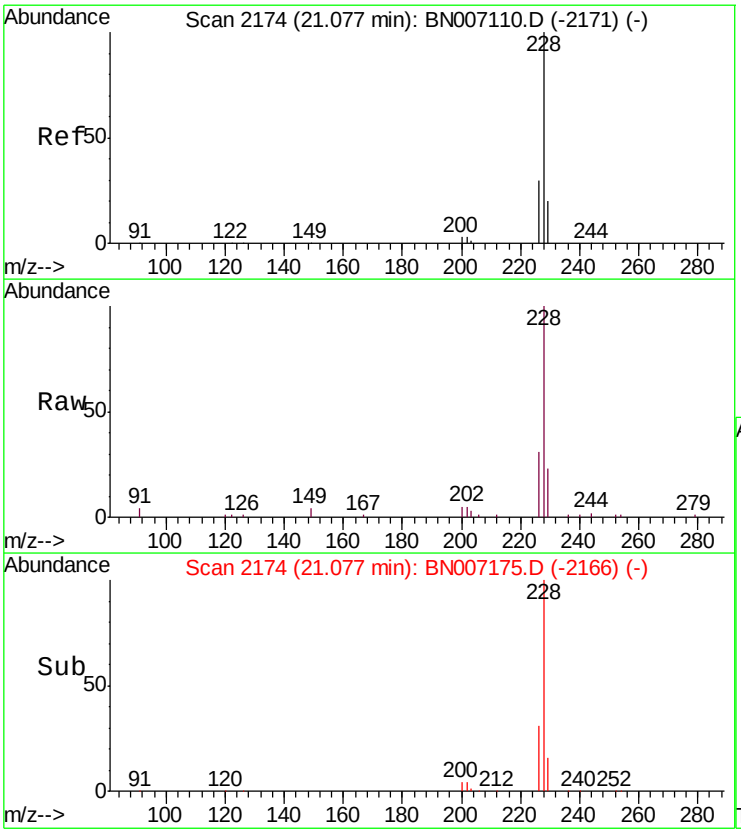
#29
Benzo(a)anthracene
Concen: 0.344 ng m
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Instrument :
BNA_N
ClientSampleId :
PST-035-SW119-080819

Tgt Ion:228 Resp: 45736

Ion	Ratio	Lower	Upper
228	100		
226	34.8	21.8	32.6#
229	22.2	15.6	23.4

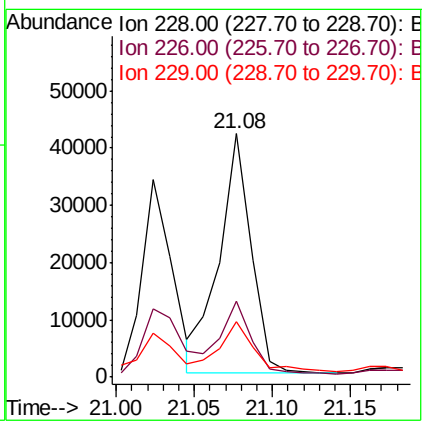


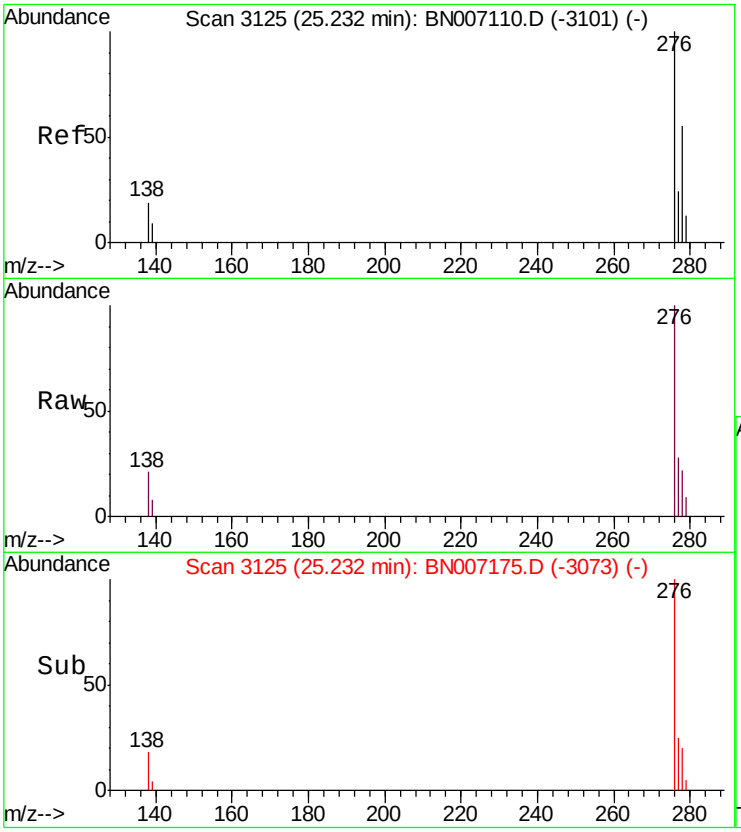


#30
Chrysene
Concen: 0.461 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Tgt Ion:228 Resp: 59504

Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.8	35.6
229	22.8	15.7	23.5



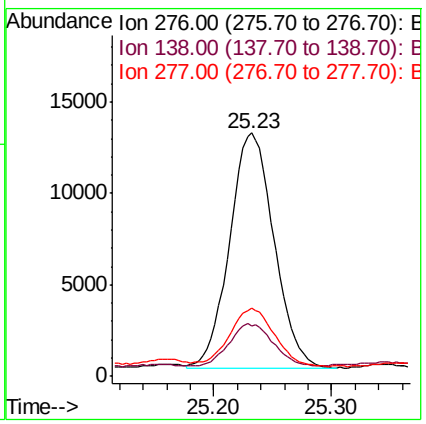


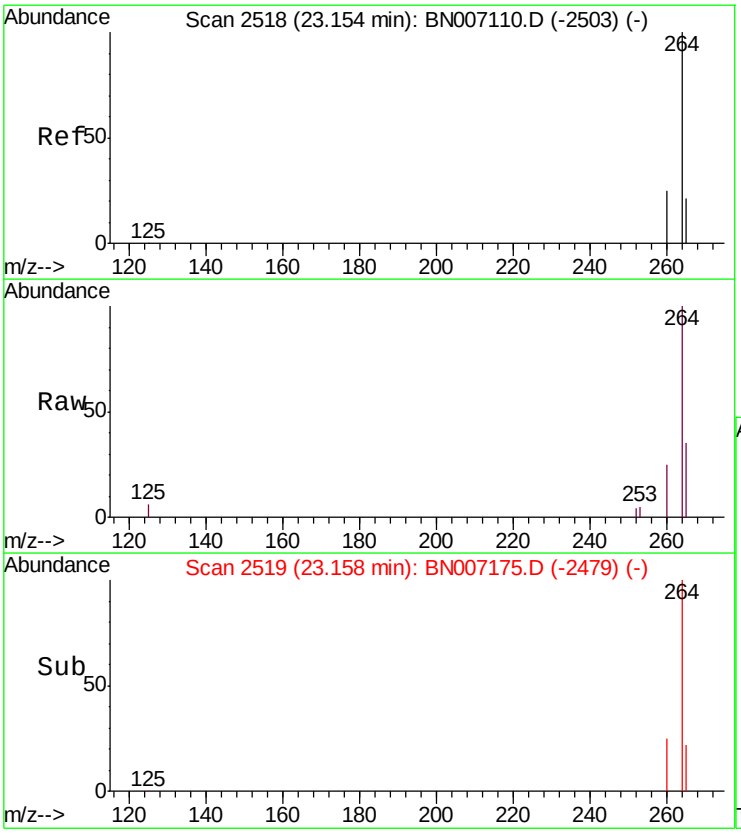
#31
Indeno(1,2,3-cd)pyrene
Concen: 0.236 ng
RT: 25.23 min Scan# 3125
Delta R.T. -0.02 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Instrument :
BNA_N
ClientSampleId :
PST-035-SW119-080819

Tgt Ion:276 Resp: 33529

Ion	Ratio	Lower	Upper
276	100		
138	18.3	16.0	24.0
277	25.1	19.9	29.9

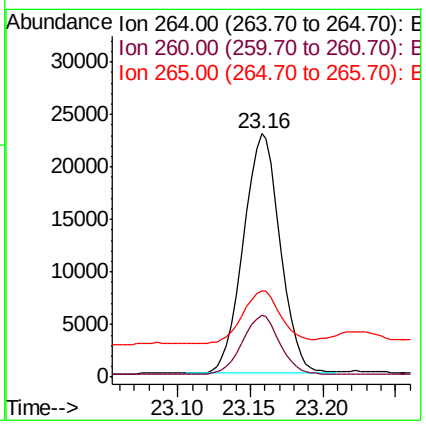


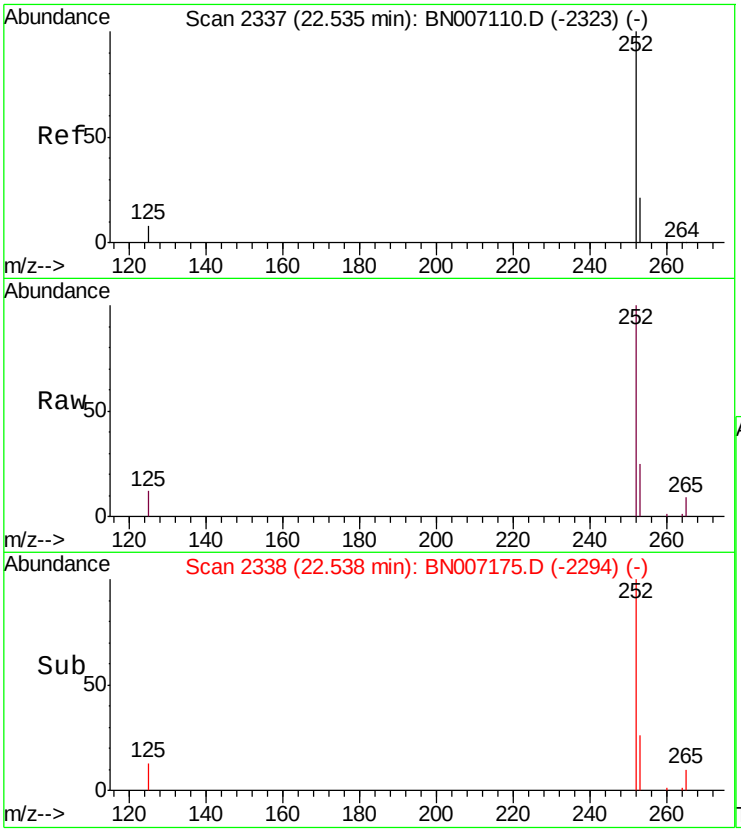


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Tgt Ion:264 Resp: 40443

Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.8	29.8
265	35.5	26.2	39.4



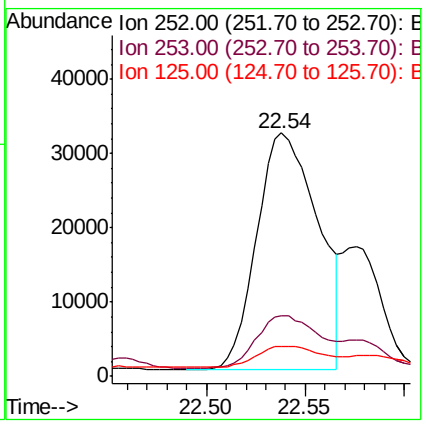


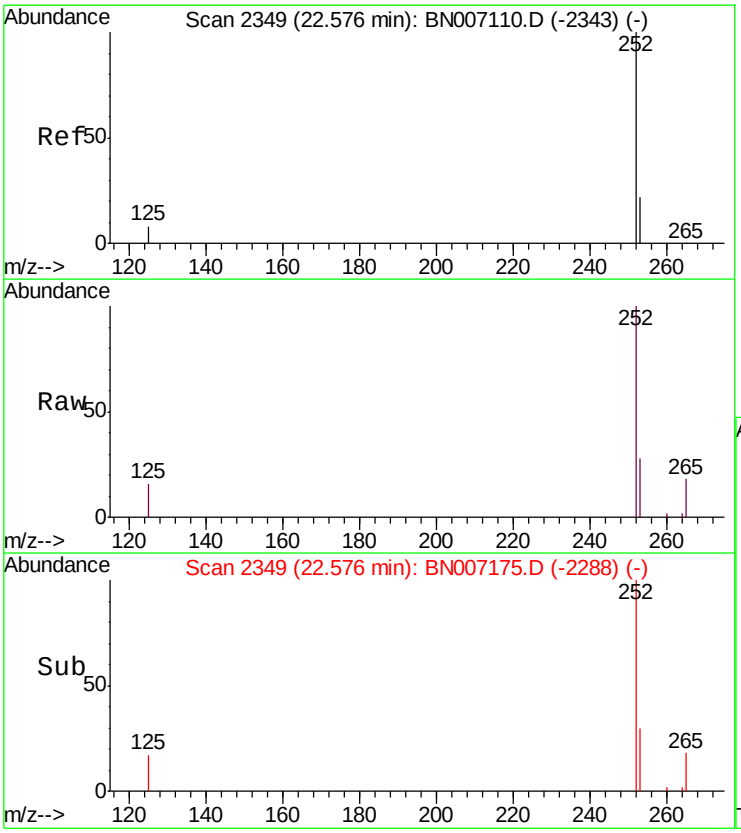
#33
Benzo(b)fluoranthene
Concen: 0.496 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.01 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Instrument :
BNA_N
ClientSampleId :
PST-035-SW119-080819

Tgt Ion:252 Resp: 68748

Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.2	27.2
125	12.2	7.4	11.0#

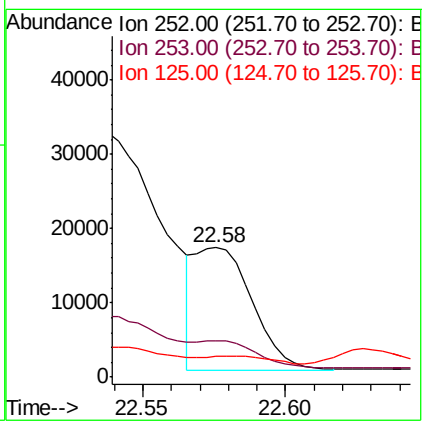


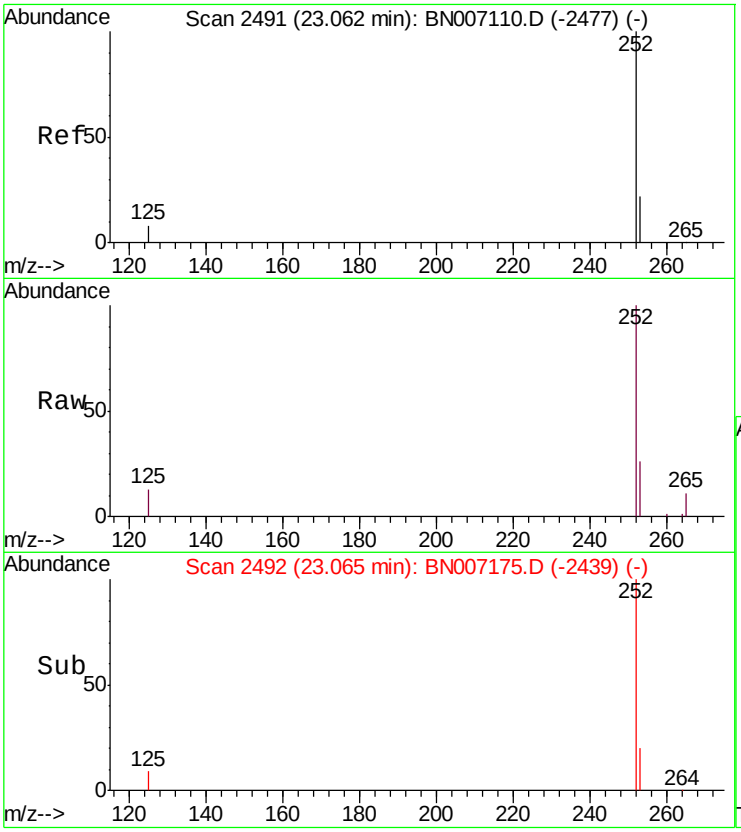


#34
Benzo(k)fluoranthene
Concen: 0.169 ng m
RT: 22.58 min Scan# 2349
Delta R.T. -0.01 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Tgt Ion:252 Resp: 23179

Ion	Ratio	Lower	Upper
252	100		
253	28.4	18.1	27.1#
125	16.0	7.4	11.0#



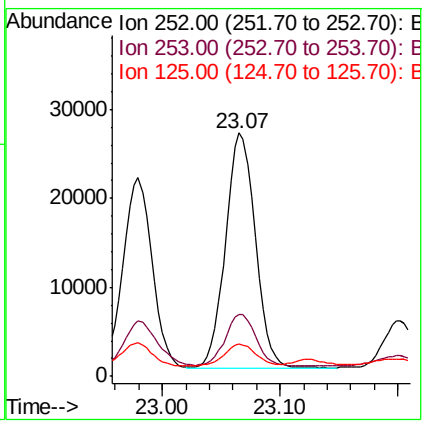


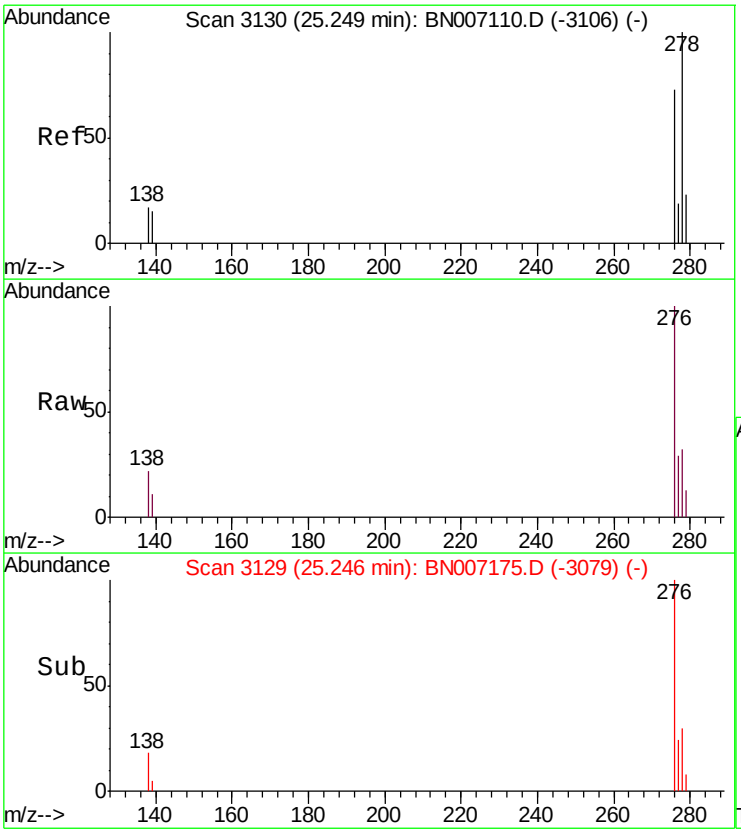
#35
Benzo(a)pyrene
Concen: 0.369 ng
RT: 23.07 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Instrument :
BNA_N
ClientSampleId :
PST-035-SW119-080819

Tgt Ion:252 Resp: 46434

Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.5	27.7
125	13.2	8.2	12.4#

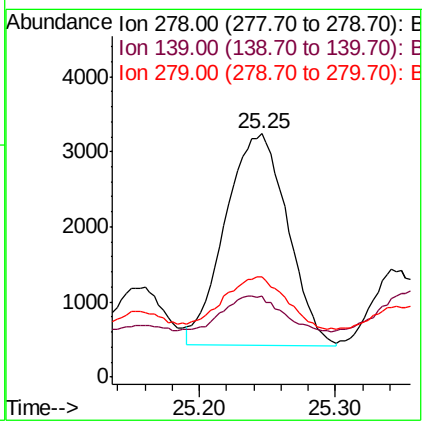


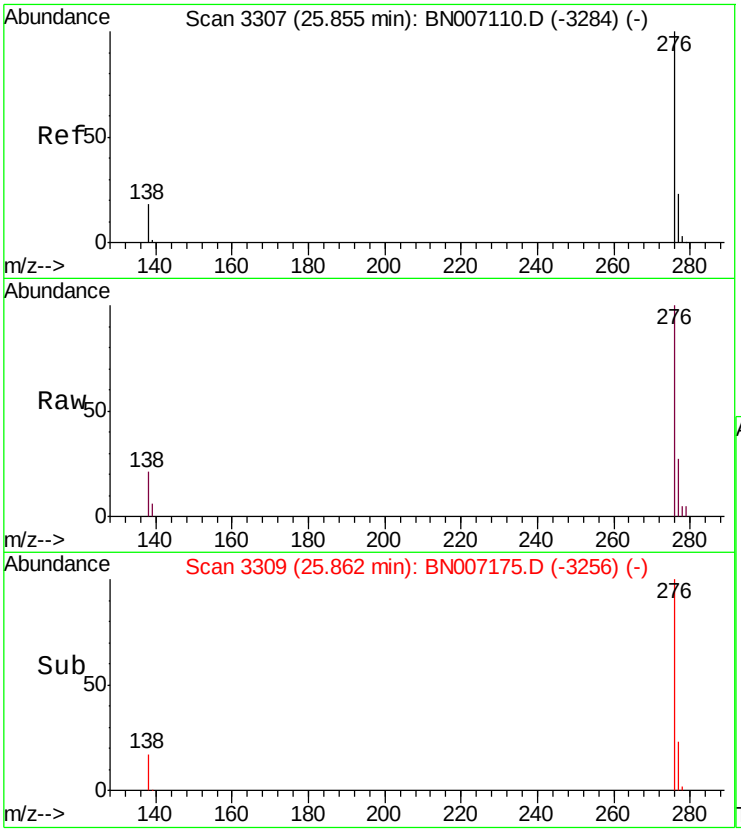


#36
Dibenzo(a,h)anthracene
Concen: 0.072 ng
RT: 25.25 min Scan# 3129
Delta R.T. -0.03 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Tgt Ion:278 Resp: 8971

Ion	Ratio	Lower	Upper
278	100		
139	33.4	11.3	16.9#
279	40.9	19.3	28.9#





#37
Benzo(g,h,i)perylene
Concen: 0.271 ng
RT: 25.86 min Scan# 3309
Delta R.T. -0.02 min
Lab File: BN007175.D
Acq: 14 Aug 2019 22:17

Instrument :
BNA_N
ClientSampleId :
PST-035-SW119-080819

Tgt Ion:276 Resp: 35013

Ion	Ratio	Lower	Upper
276	100		
277	27.2	19.8	29.8
138	21.3	14.6	22.0