Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081319\
Data File : BN007162.D
Acq On : 14 Aug 2019 10:33
Operator : HP/JU
Sample : K4239-15
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PST-034-B232-080519

Quant Time: Aug 14 13:15:02 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	8396	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	32679	0.40	ng		0.00
12) Acenaphthene-d10	14.08	164	19172	0.40	ng		0.00
18) Phenanthrene-d10	16.82	188	42637	0.40	ng		0.00
26) Chrysene-d12	21.05	240	41519	0.40	ng		-0.01
32) Perylene-d12	23.16	264	51690	0.40	ng		0.00
System Monitoring Compounds							
3) 2-Fluorophenol	5.06	112	5637	0.28	ng		0.00
4) Phenol-d6	6.62	99	7443	0.30	ng		0.00
7) Nitrobenzene-d5	8.56	82	5736	0.22	ng		0.00
10) 2-Methylnaphthalene-d10	11.79	152	11975	0.20	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	2212	0.21	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	3418	0.12	ng		0.00
24) Fluoranthene-d10	18.87	212	28112m	0.19	ng		0.00
28) Terphenyl-d14	19.49	244	21925	0.19	ng		-0.01
Target Compounds							Qvalue
8) Naphthalene	10.24	128	23315	0.254	ng		100
11) 2-Methylnaphthalene	11.87	142	18490	0.285	ng		96
15) Acenaphthylene	13.79	152	195404	1.950	ng		99
16) Acenaphthene	14.13	154	29367	0.458	ng		94
17) Fluorene	15.13	166	62961	0.656	ng		85
22) Phenanthrene	16.87	178	1353354	10.591	ng		99
23) Anthracene	16.96	178	272293	2.332	ng		99
25) Fluoranthene	18.90	202	2005301	12.268	ng		98
27) Pyrene	19.26	202	3047169	20.928	ng	#	96
29) Benzo(a)anthracene	21.03	228	1564210	10.302	ng		91
30) Chrysene	21.09	228	1622883	11.001	ng		97
31) Indeno(1,2,3-cd)pyrene	25.25	276	686092	4.220	ng		99
33) Benzo(b)fluoranthene	22.54	252	1418684m	8.004	ng		
34) Benzo(k)fluoranthene	22.57	252	471771m	2.695	ng		
35) Benzo(a)pyrene	23.08	252	1191231	7.413	ng		99
36) Dibenzo(a,h)anthracene	25.25	278	216306	1.349	ng	#	90
37) Benzo(g,h,i)perylene	25.88	276	783772	4.752	ng		99

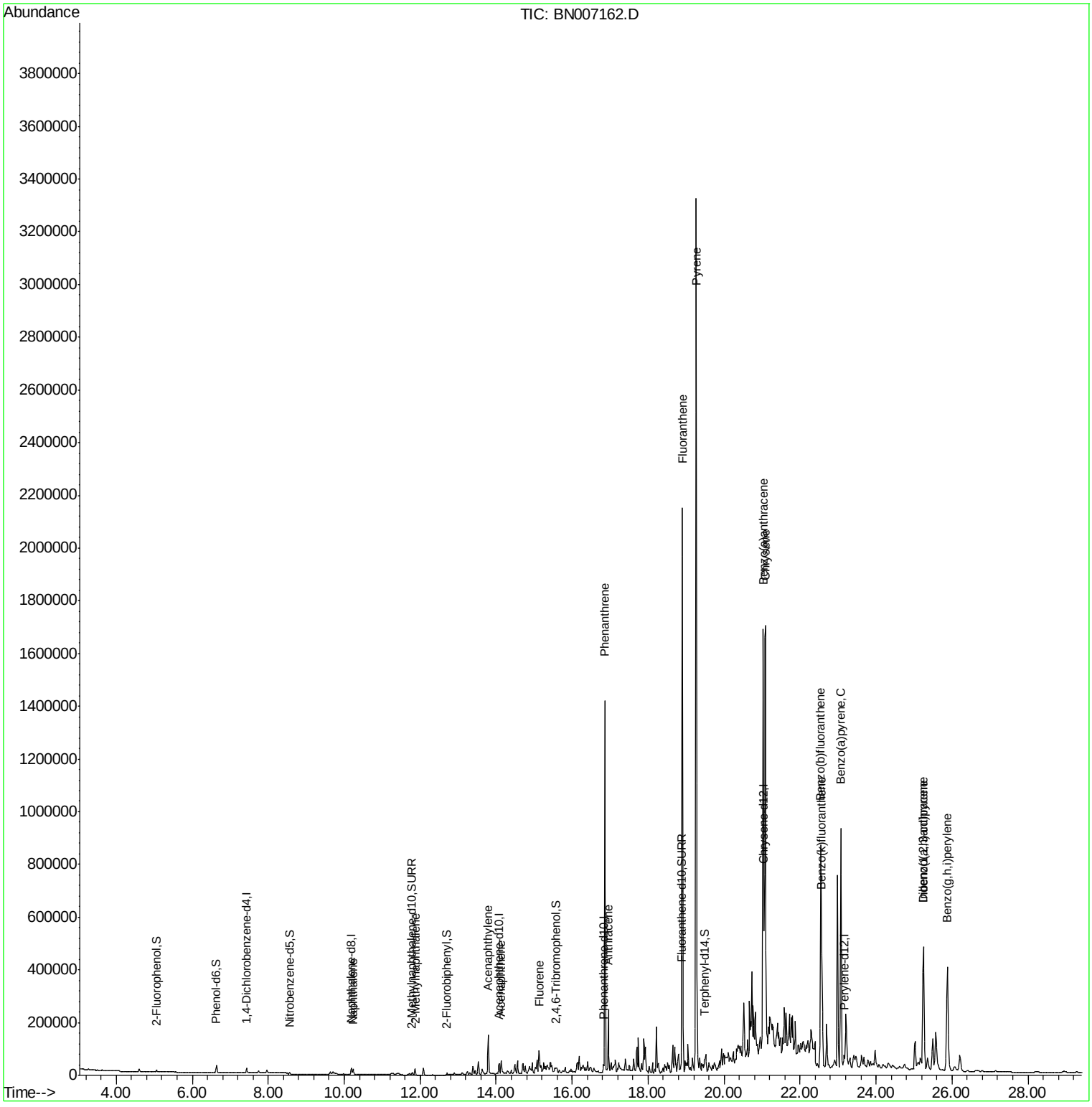
(#) = qualifier out of range (m) = manual integration (+) = signals summed

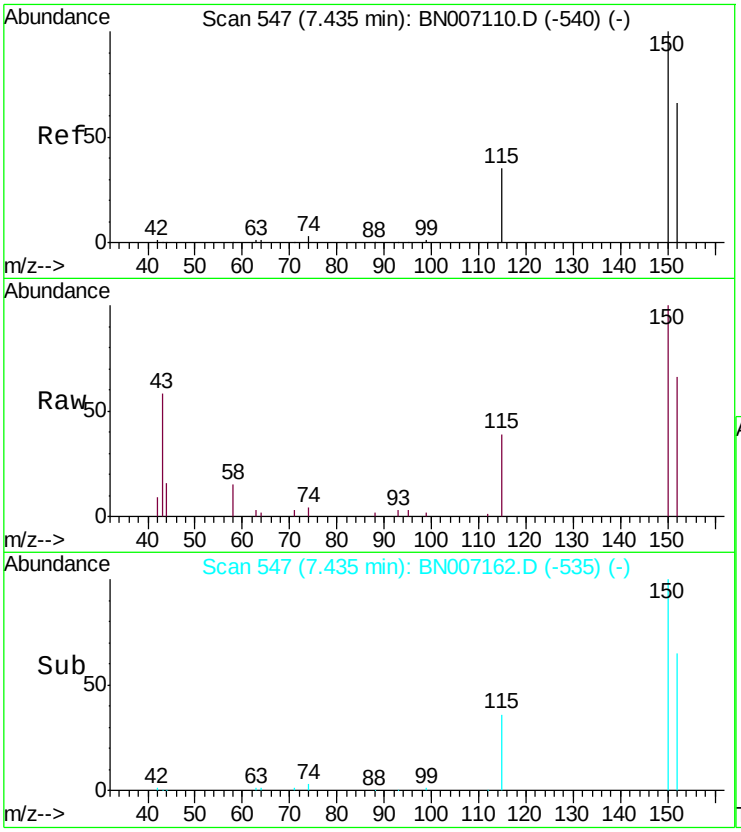
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081319\
Data File : BN007162.D
Acq On : 14 Aug 2019 10:33
Operator : HP/JU
Sample : K4239-15
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-034-B232-080519

Quant Time: Aug 14 13:15:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration



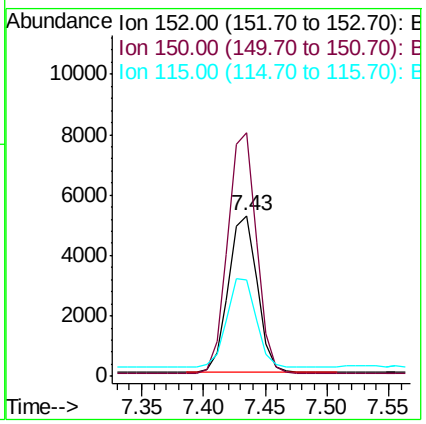


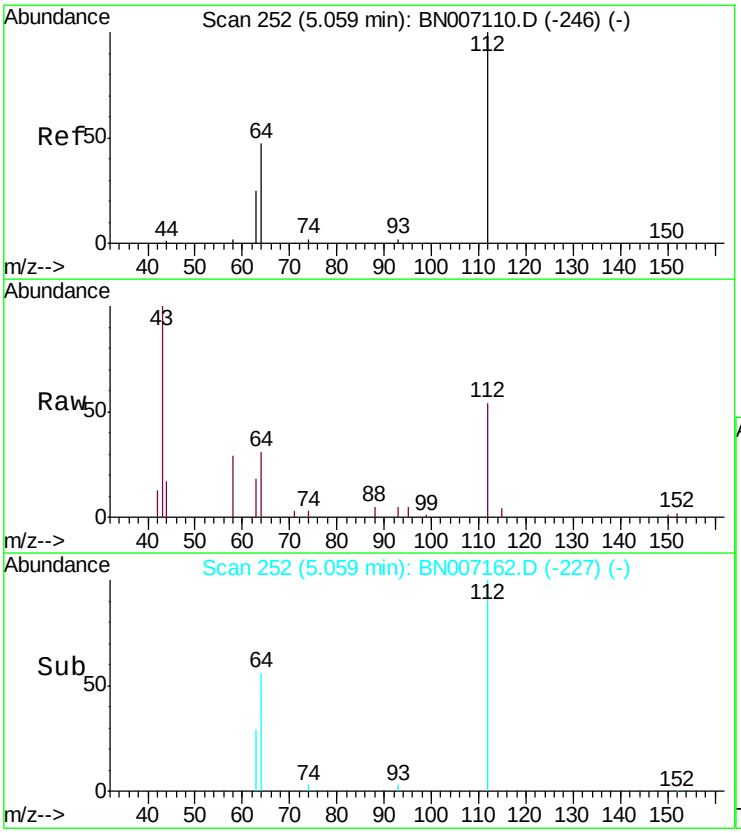
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Instrument :
BNA_N
ClientSampleId :
PST-034-B232-080519

Tgt Ion:152 Resp: 8396

Ion	Ratio	Lower	Upper
152	100		
150	151.7	121.7	182.5
115	59.8	46.2	69.4

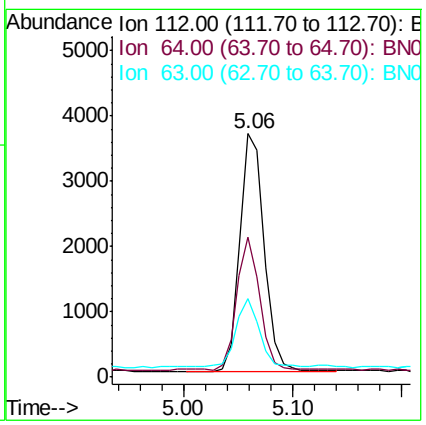


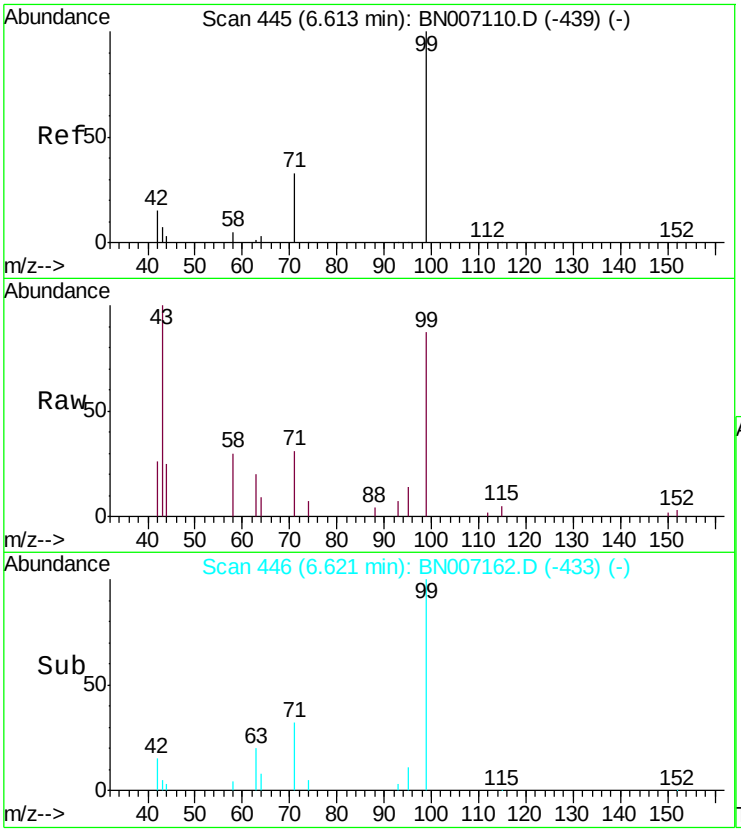


#3
2-Fluorophenol
Concen: 0.279 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Tgt Ion:112 Resp: 5637

Ion	Ratio	Lower	Upper
112	100		
64	52.7	42.6	63.8
63	28.3	22.2	33.2



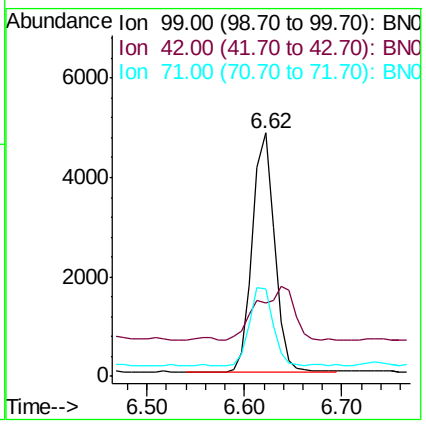


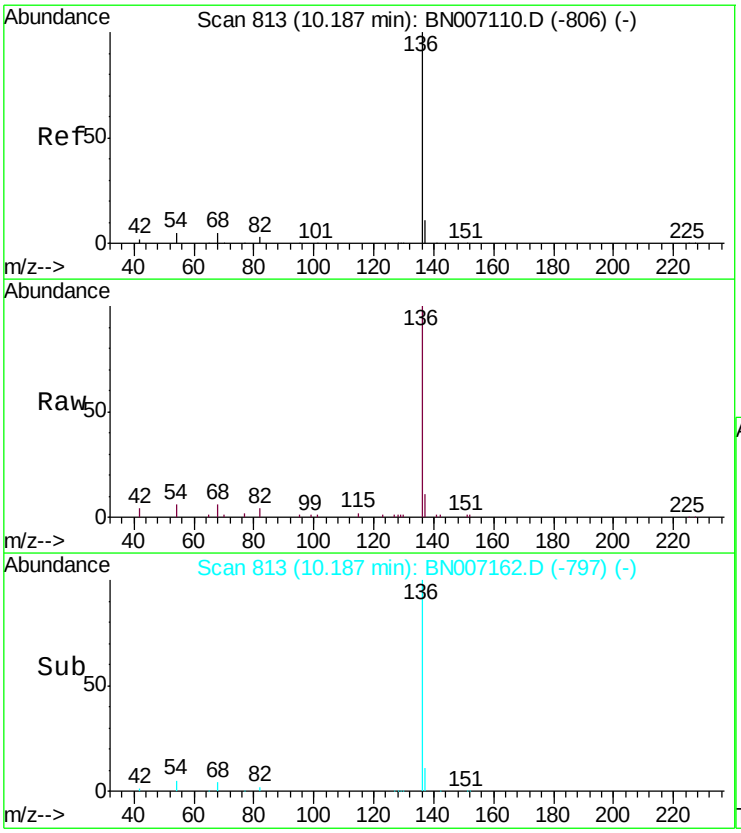
#4
Phenol-d6
Concen: 0.298 ng
RT: 6.62 min Scan# 446
Delta R.T. 0.01 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Instrument :
BNA_N
ClientSampleId :
PST-034-B232-080519

Tgt Ion: 99 Resp: 7443

Ion	Ratio	Lower	Upper
99	100		
42	0.0	15.8	23.6#
71	35.3	27.0	40.4

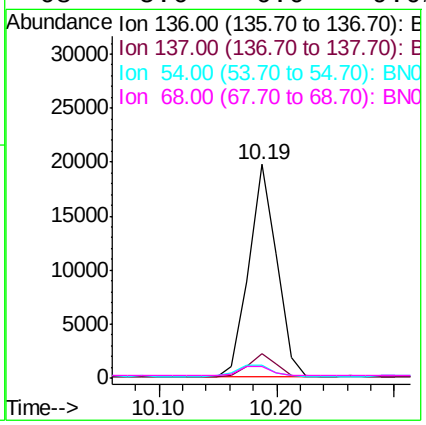


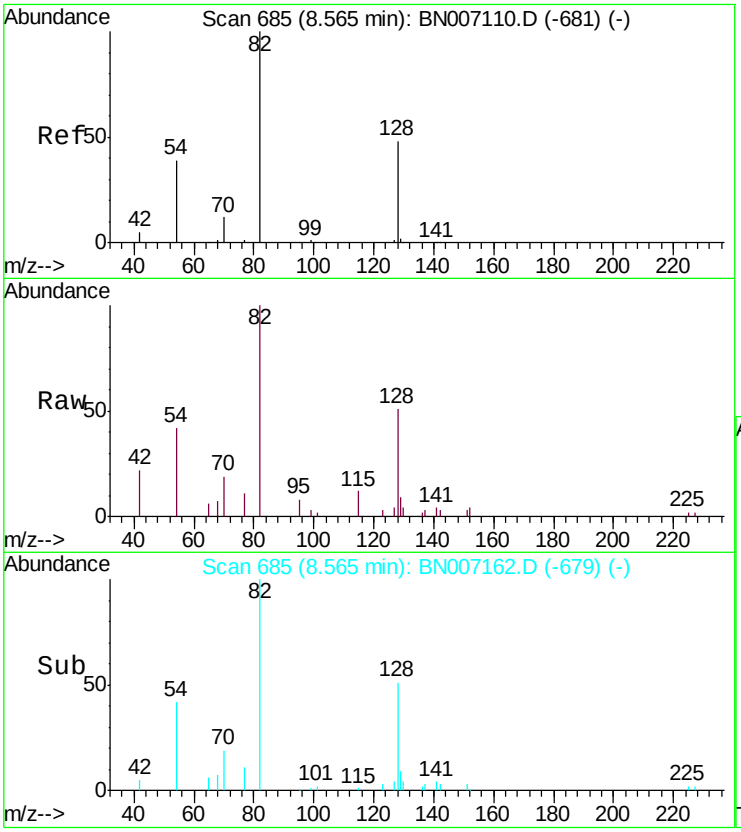


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Tgt Ion:136 Resp: 32679

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.4	14.0
54	6.0	6.6	9.8#
68	5.6	6.0	9.0#



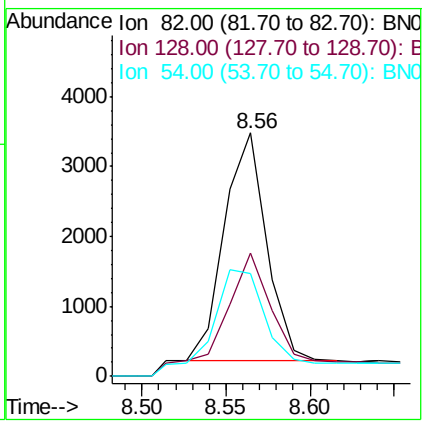


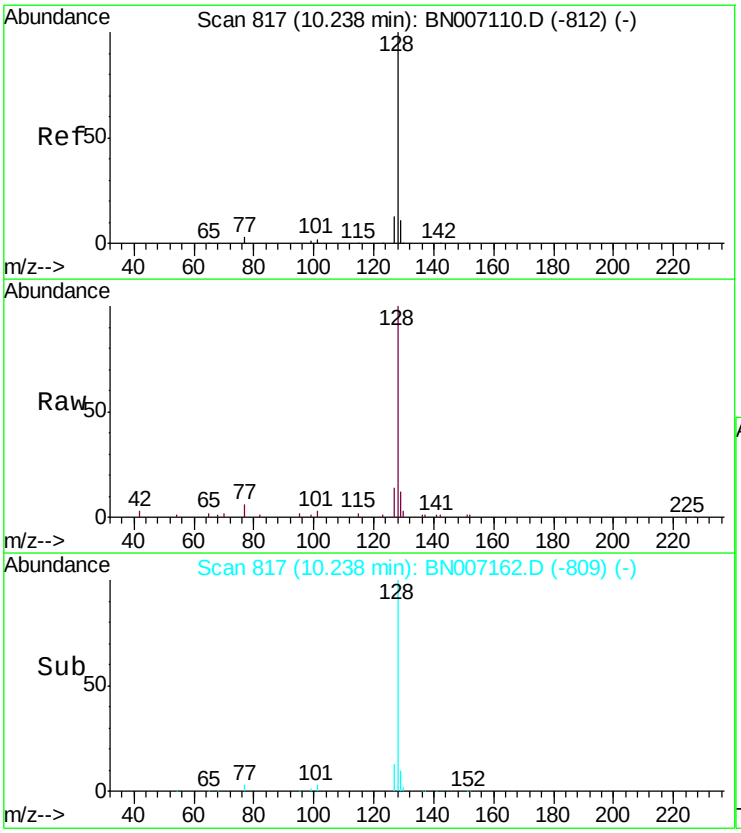
#7
Nitrobenzene-d5
Concen: 0.218 ng
RT: 8.56 min Scan# 685
Delta R.T. -0.00 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Instrument :
BNA_N
ClientSampleId :
PST-034-B232-080519

Tgt Ion: 82 Resp: 5736

Ion	Ratio	Lower	Upper
82	100		
128	50.9	34.6	51.8
54	42.4	36.2	54.4

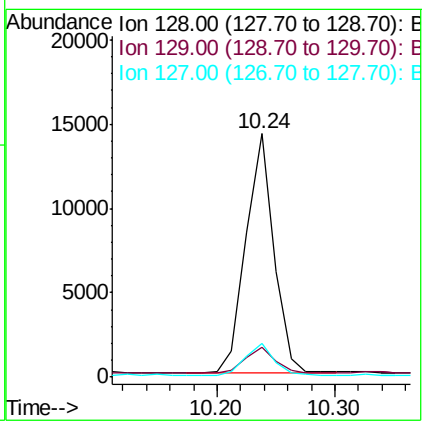


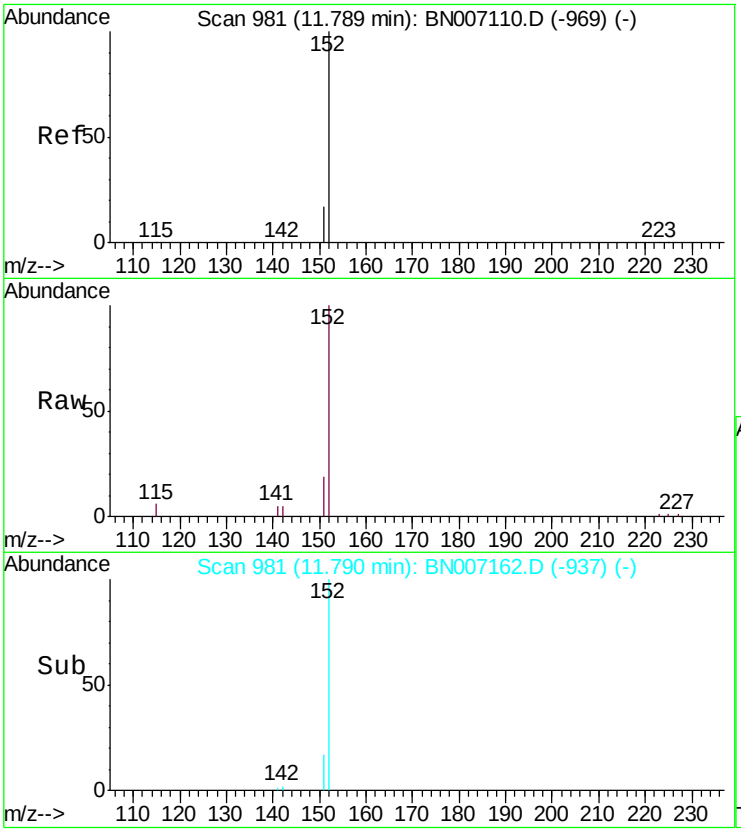


#8
Naphthalene
Concen: 0.254 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Tgt Ion:128 Resp: 23315

Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.4	14.2
127	13.8	11.0	16.6



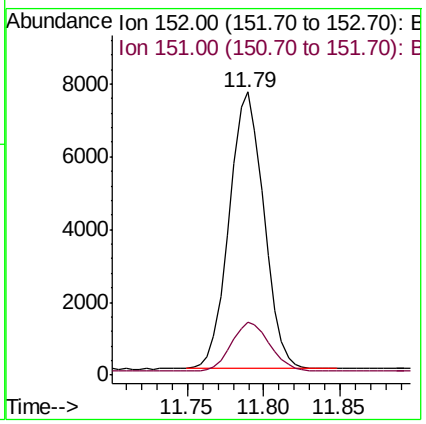


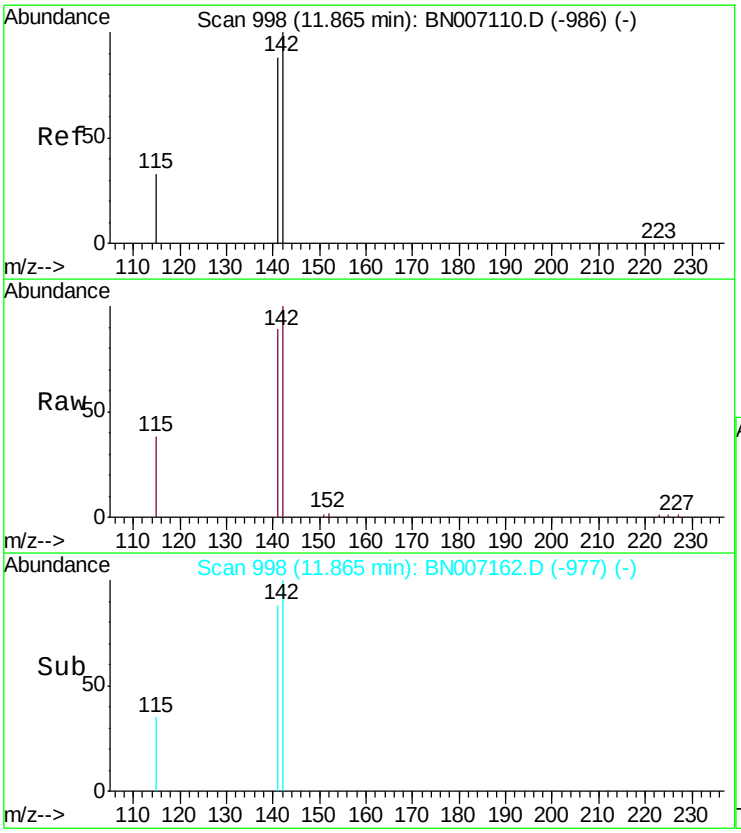
#10
2-Methylnaphthalene-d10
Concen: 0.197 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Instrument :
BNA_N
ClientSampleId :
PST-034-B232-080519

Tgt Ion:152 Resp: 11975

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3

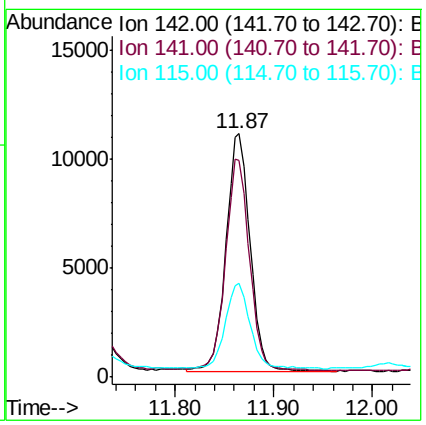


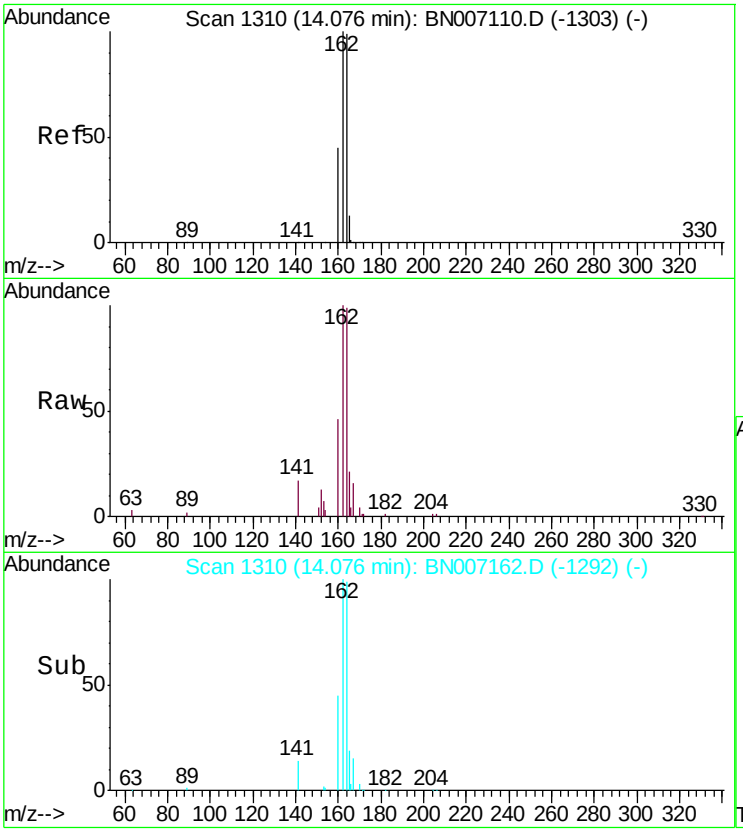


#11
2-Methylnaphthalene
Concen: 0.285 ng
RT: 11.87 min Scan# 998
Delta R.T. -0.00 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Tgt Ion:142 Resp: 18490

Ion	Ratio	Lower	Upper
142	100		
141	89.2	69.0	103.6
115	38.3	27.1	40.7



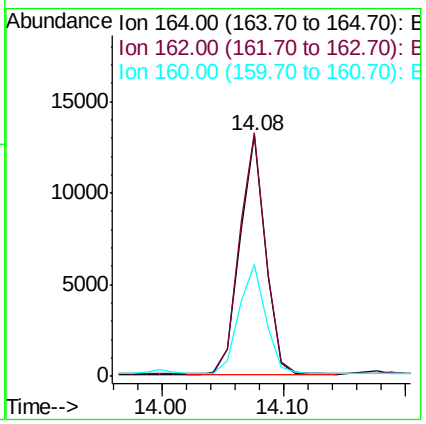


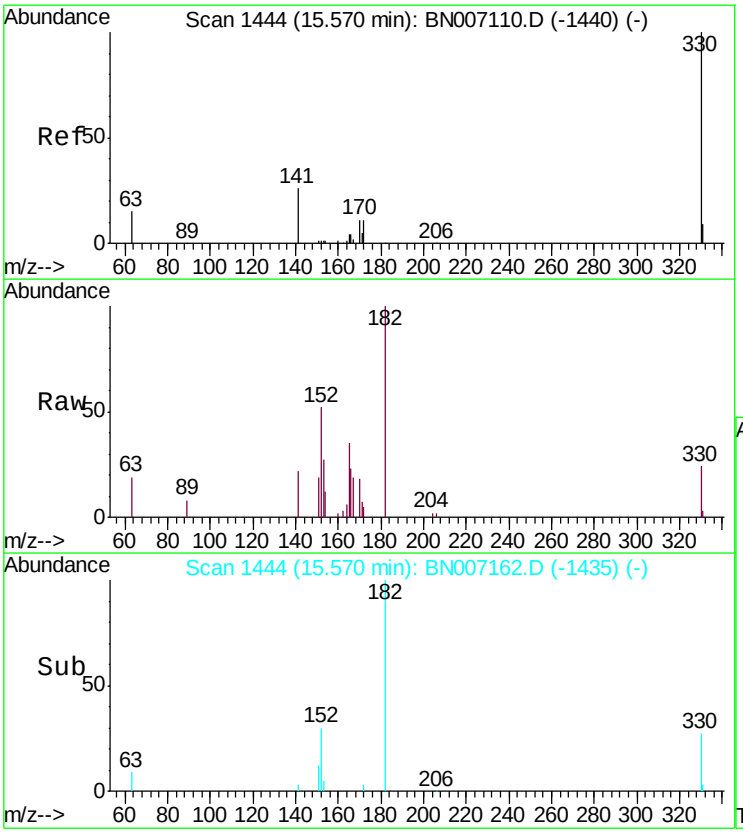
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Instrument :
BNA_N
ClientSampleId :
PST-034-B232-080519

Tgt Ion:164 Resp: 19172

Ion	Ratio	Lower	Upper
164	100		
162	101.1	82.2	123.4
160	46.5	38.3	57.5

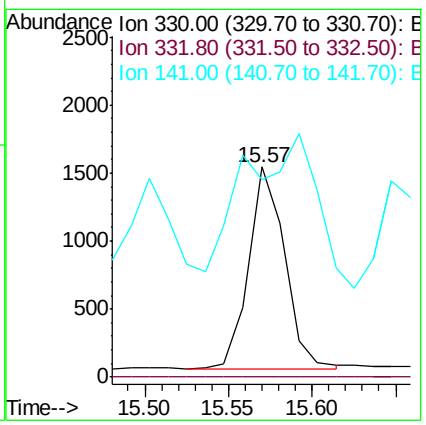


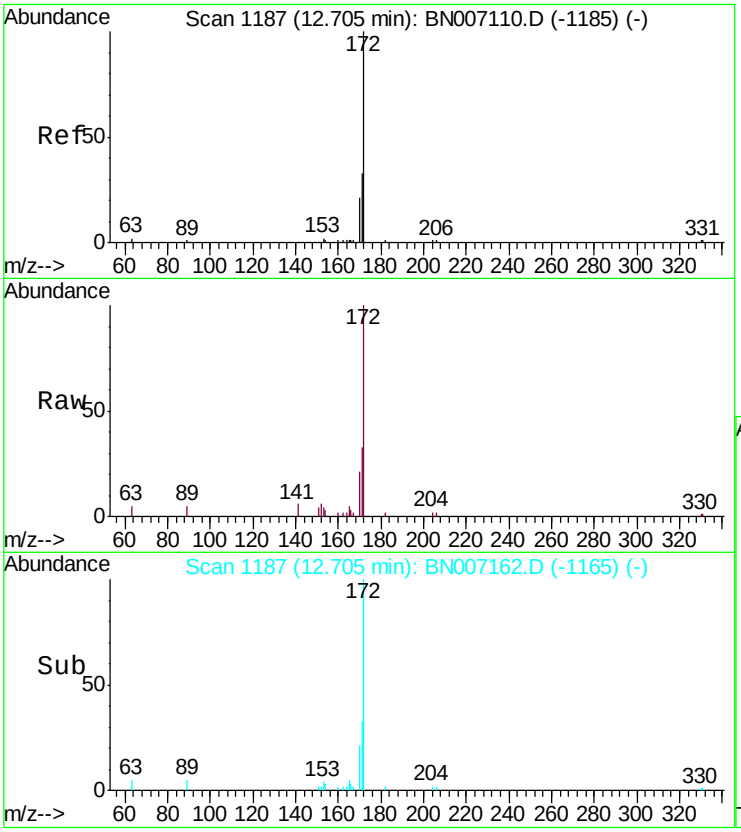


#13
2,4,6-Tribromophenol
Concen: 0.214 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Tgt Ion:330 Resp: 2212

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



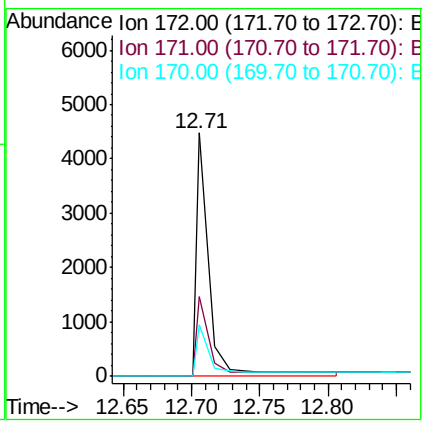


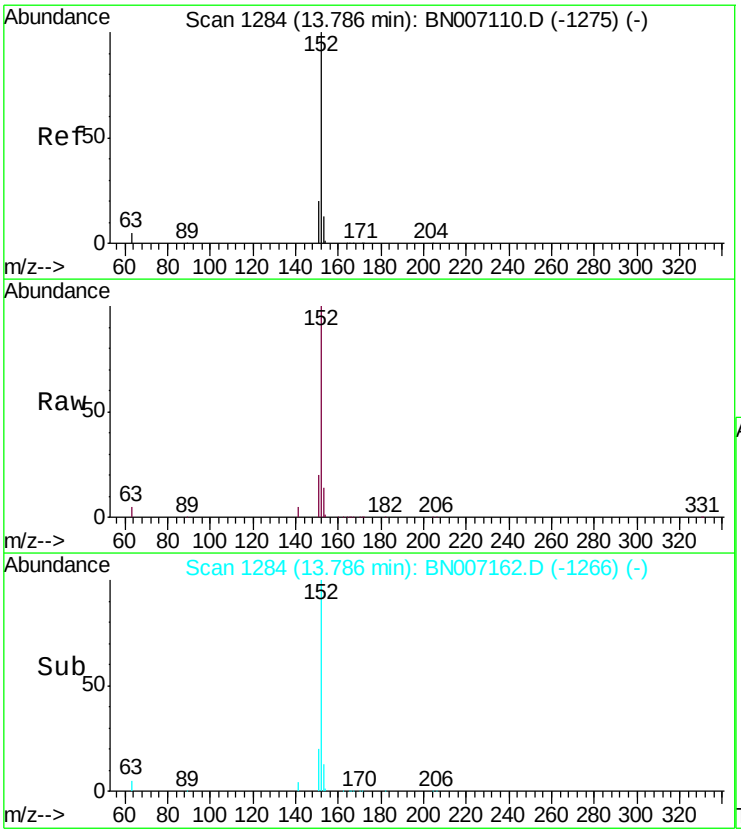
#14
2-Fluorobiphenyl
Concen: 0.123 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Instrument :
BNA_N
ClientSampleId :
PST-034-B232-080519

Tgt Ion:172 Resp: 3418

Ion	Ratio	Lower	Upper
172	100		
171	33.0	26.3	39.5
170	21.3	17.0	25.4

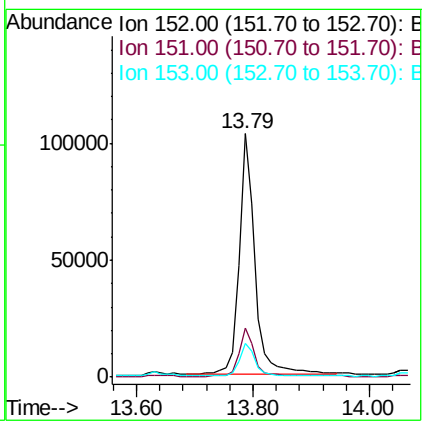


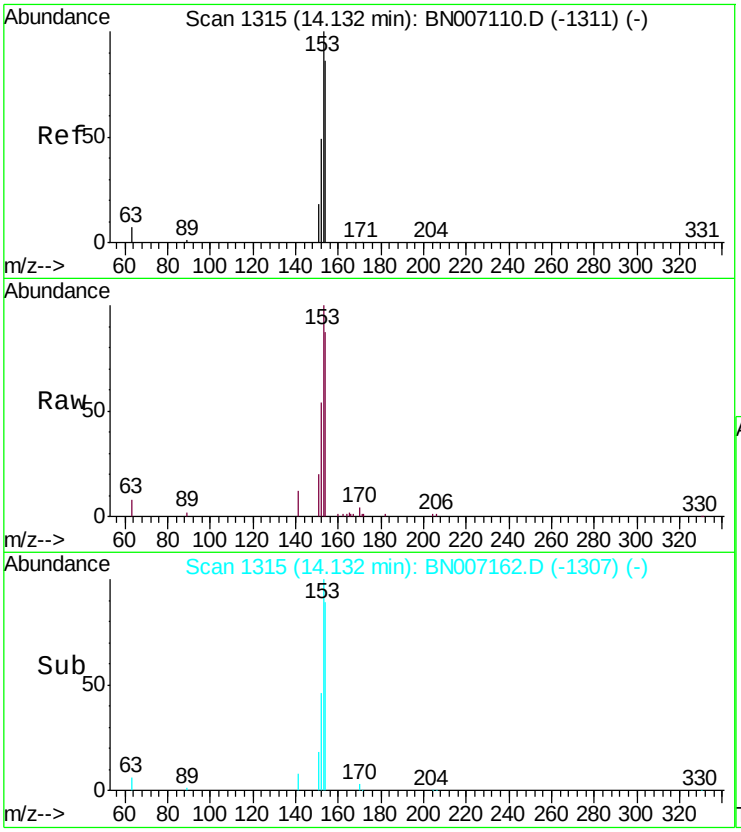


#15
Acenaphthylene
Concen: 1.950 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Tgt Ion:152 Resp: 195404

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.6
153	13.6	10.4	15.6



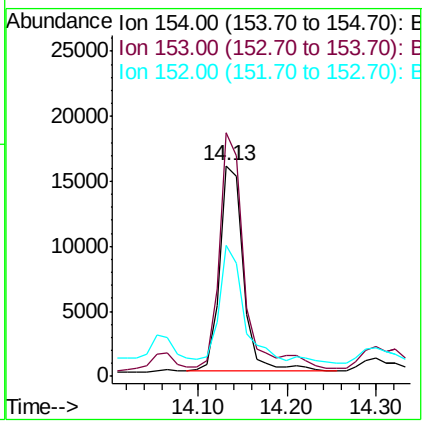


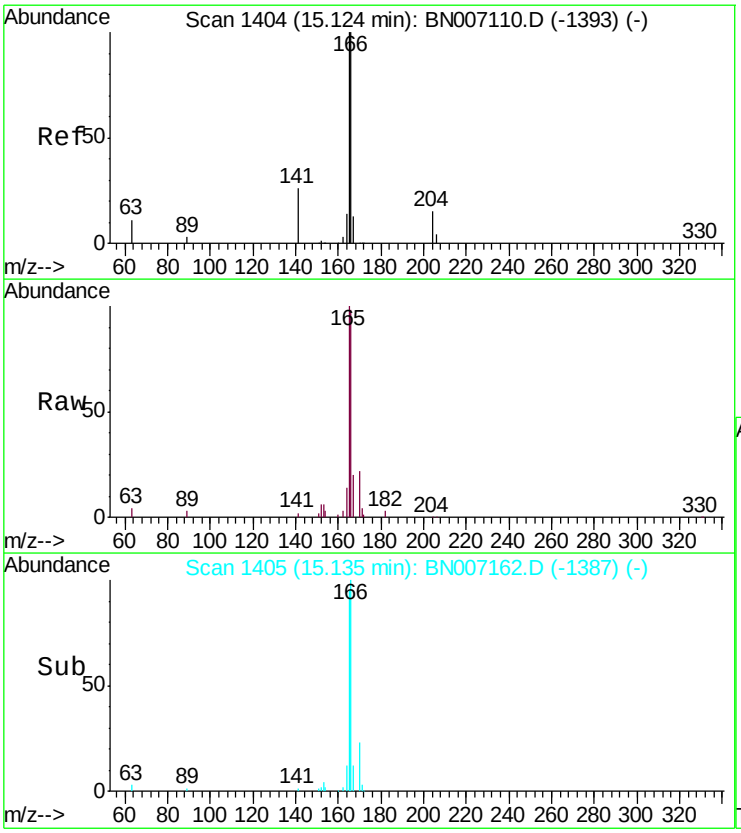
#16
Acenaphthene
Concen: 0.458 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Instrument :
BNA_N
ClientSampleId :
PST-034-B232-080519

Tgt Ion:154 Resp: 29367

Ion	Ratio	Lower	Upper
154	100		
153	120.1	89.5	134.3
152	54.4	44.8	67.2

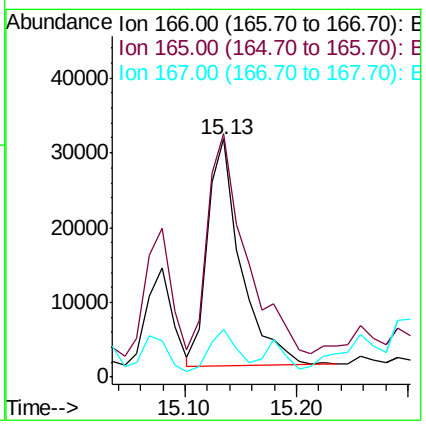


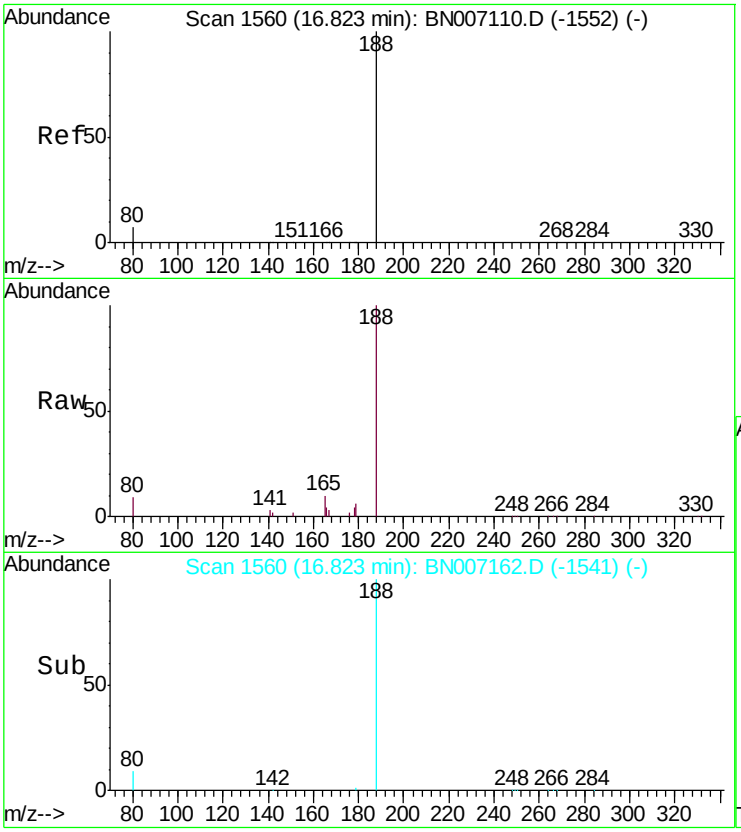


#17
Fluorene
Concen: 0.656 ng
RT: 15.13 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Tgt Ion:166 Resp: 62961

Ion	Ratio	Lower	Upper
166	100		
165	113.3	77.9	116.9
167	15.8	10.9	16.3



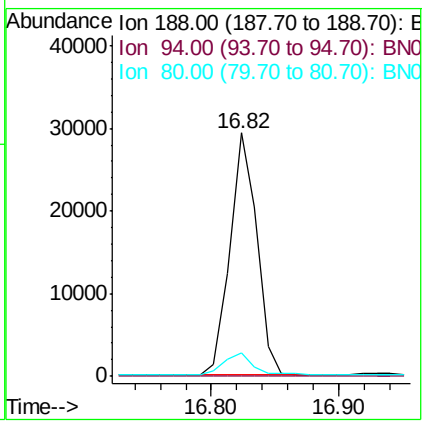


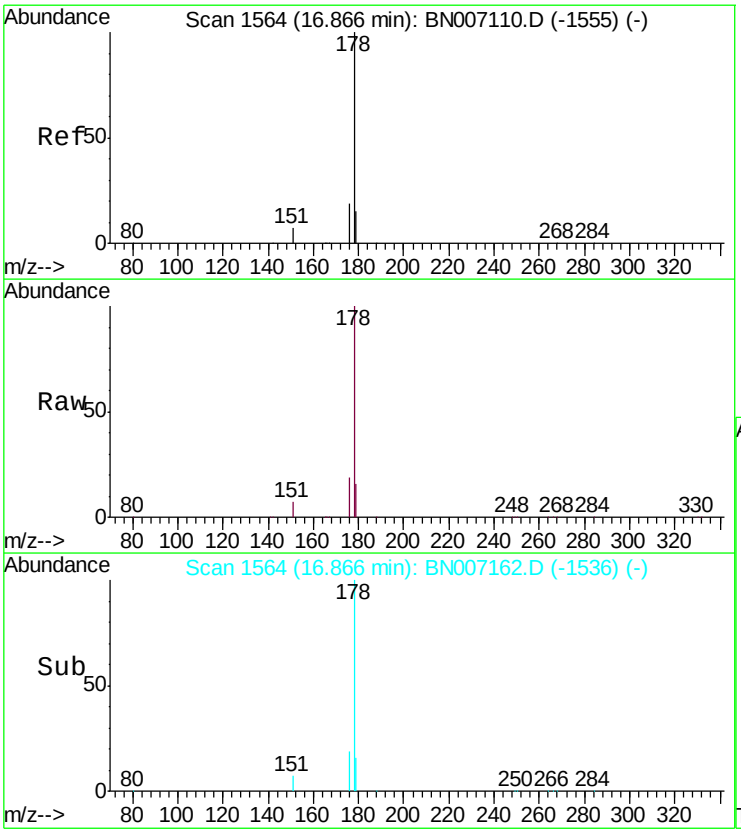
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Instrument :
BNA_N
ClientSampleId :
PST-034-B232-080519

Tgt Ion:188 Resp: 42637

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.4	7.8	11.6

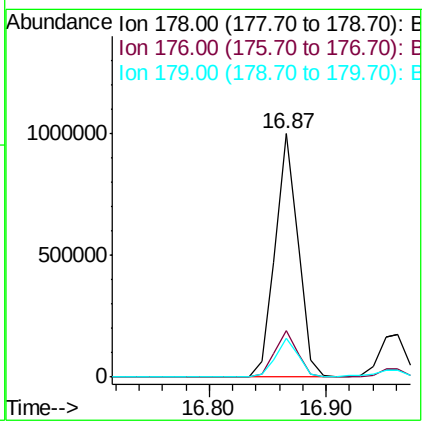


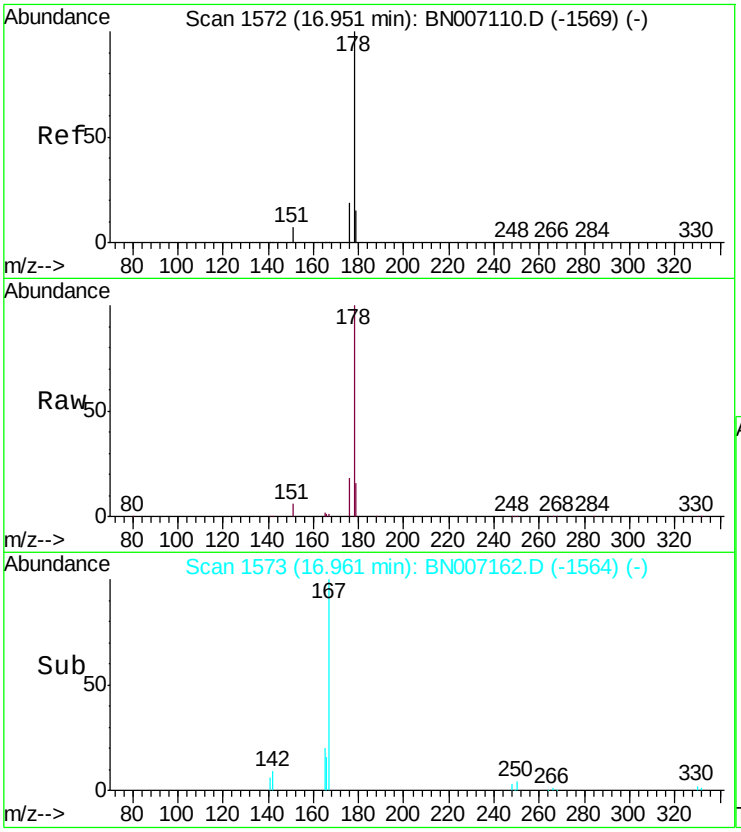


#22
Phenanthrene
Concen: 10.591 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Tgt Ion:178 Resp: 1353354

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	16.0	12.3	18.5



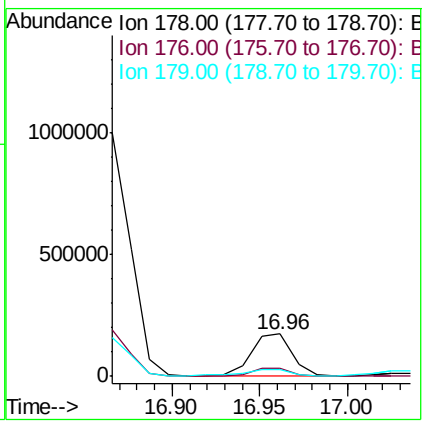


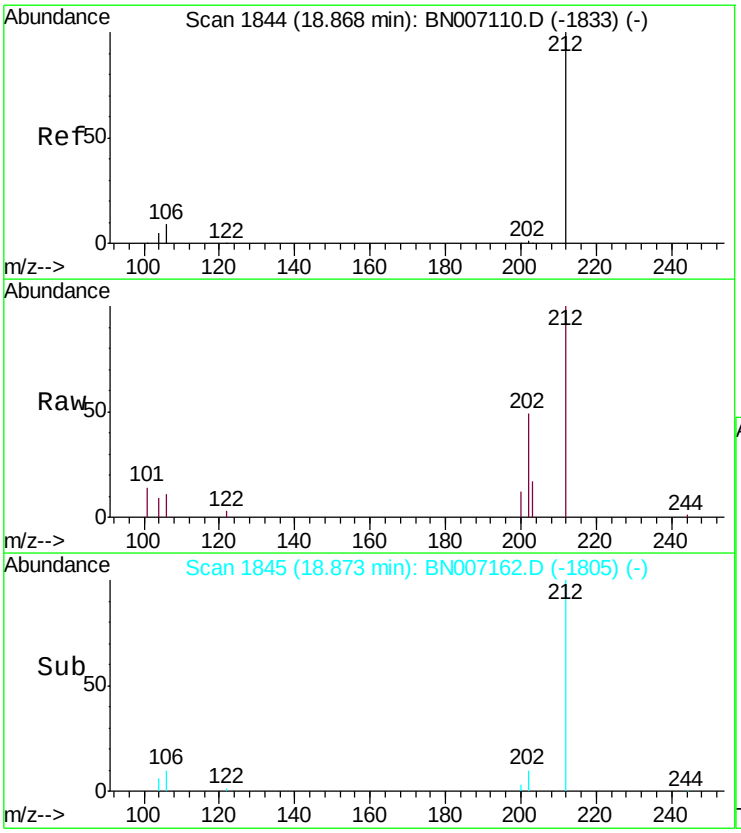
#23
Anthracene
Concen: 2.332 ng
RT: 16.96 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Instrument :
BNA_N
ClientSampleId :
PST-034-B232-080519

Tgt Ion:178 Resp: 272293

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	16.8	12.5	18.7

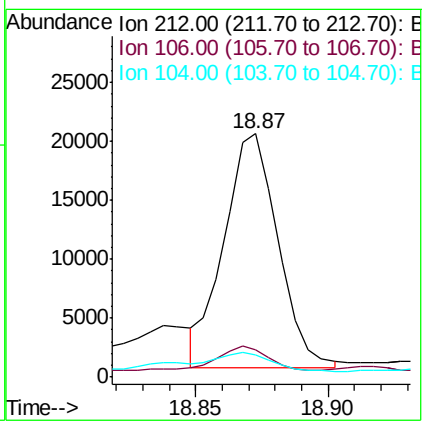


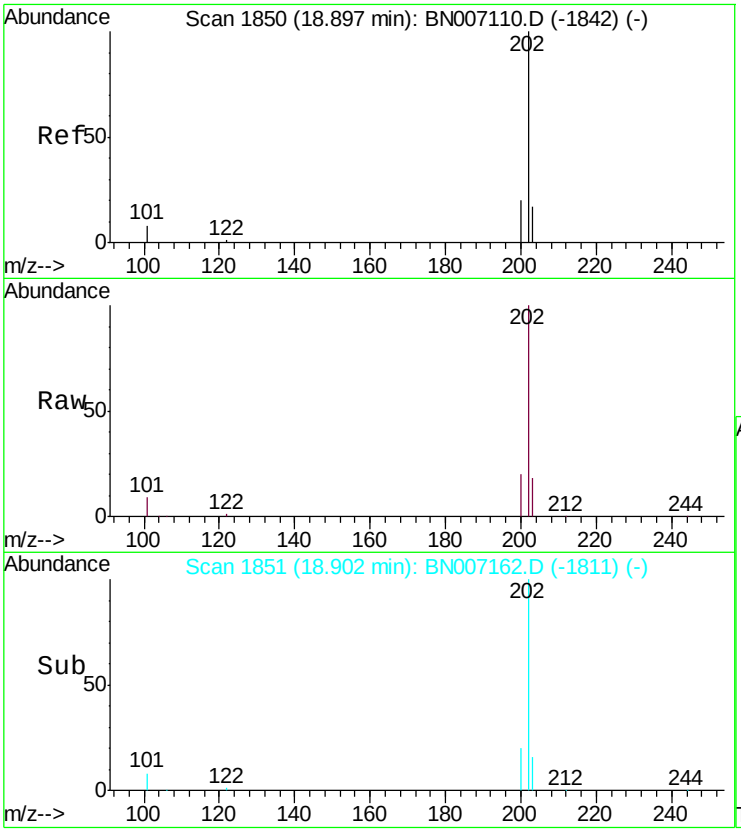


#24
Fluoranthene-d10
Concen: 0.186 ng m
RT: 18.87 min Scan# 1845
Delta R.T. -0.00 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Tgt Ion:212 Resp: 28112

Ion	Ratio	Lower	Upper
212	100		
106	2.1	8.2	12.2#
104	1.4	4.5	6.7#



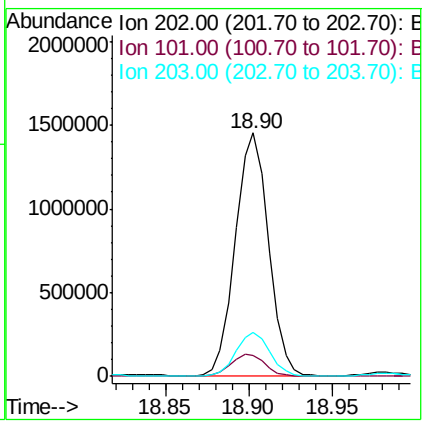


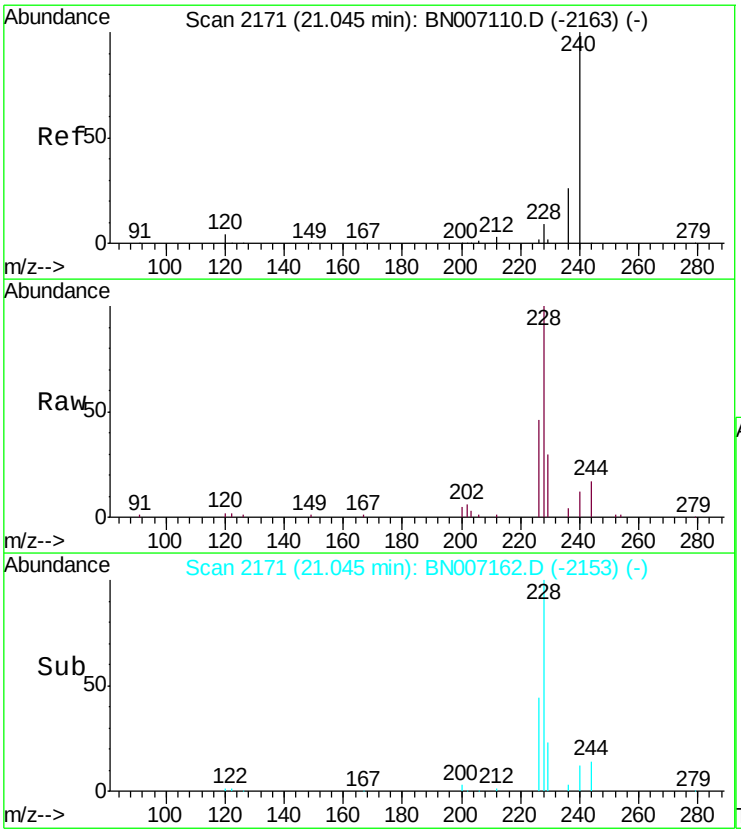
#25
Fluoranthene
Concen: 12.268 ng
RT: 18.90 min Scan# 1851
Delta R.T. -0.00 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Instrument :
BNA_N
ClientSampleId :
PST-034-B232-080519

Tgt Ion:202 Resp: 2005301

Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.0	10.4
203	18.1	13.8	20.8

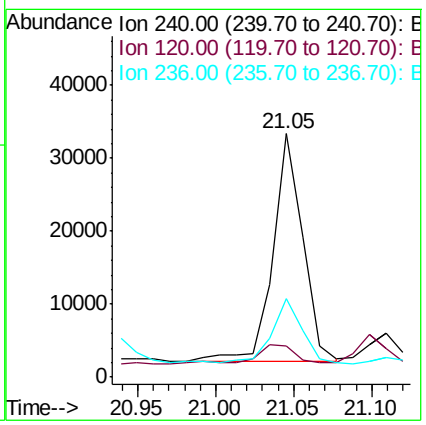


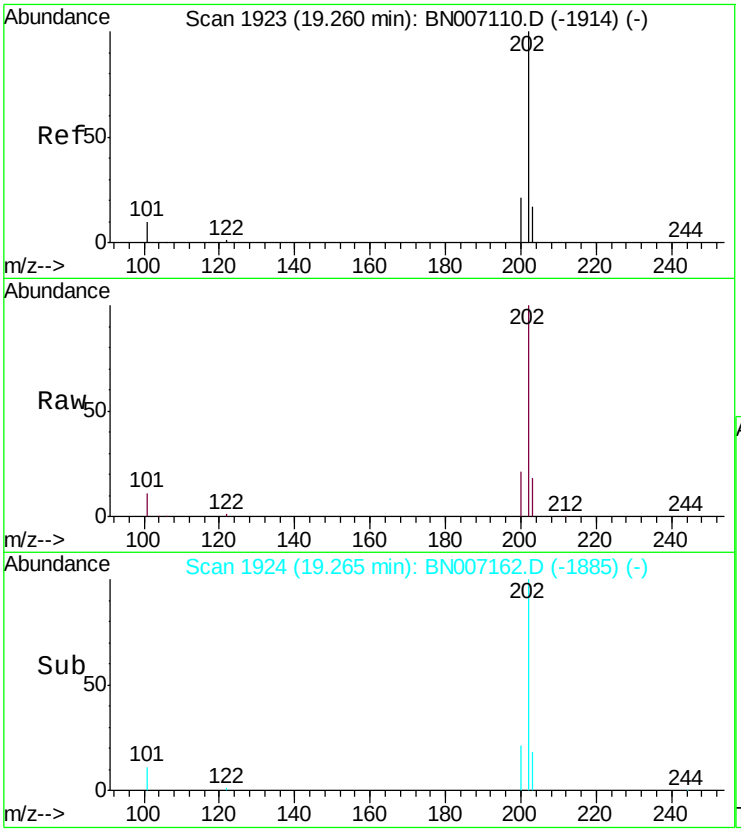


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Tgt Ion:240 Resp: 41519

Ion	Ratio	Lower	Upper
240	100		
120	13.0	4.0	6.0#
236	32.0	21.3	31.9#



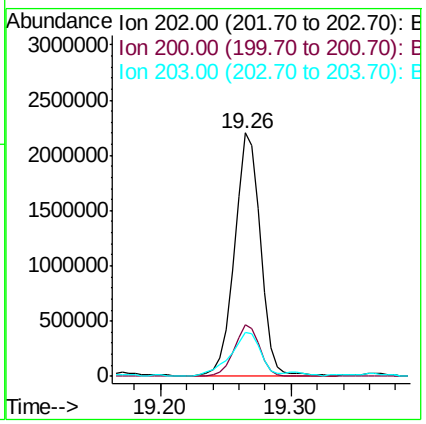


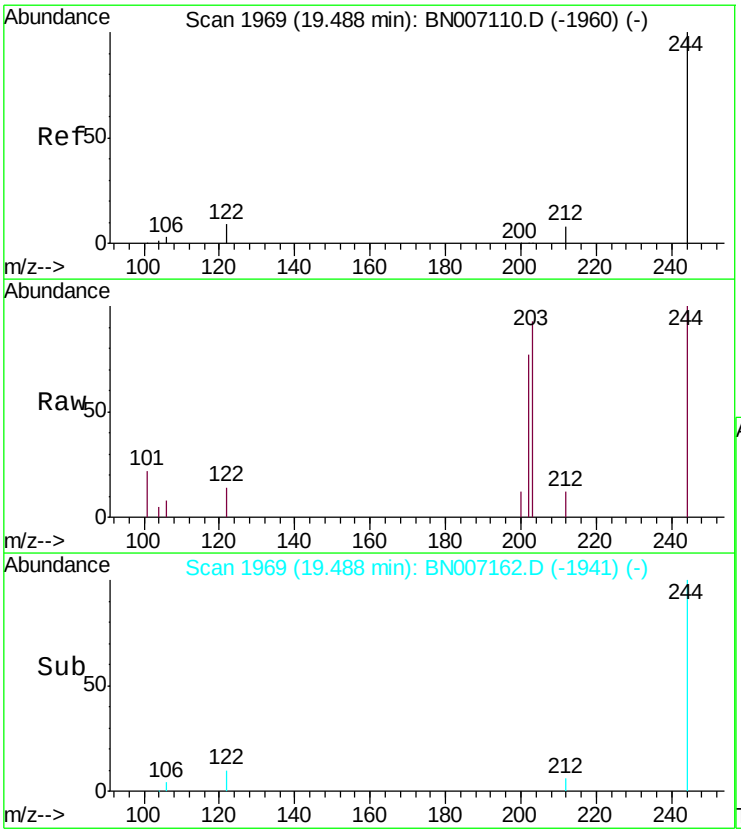
#27
Pyrene
Concen: 20.928 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Instrument :
BNA_N
ClientSampleId :
PST-034-B232-080519

Tgt Ion:202 Resp: 3047169

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	24.8
203	21.1	14.0	21.0#

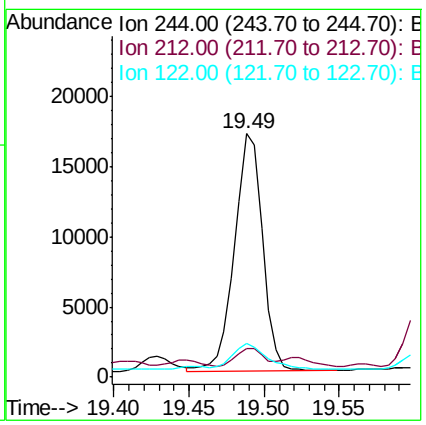


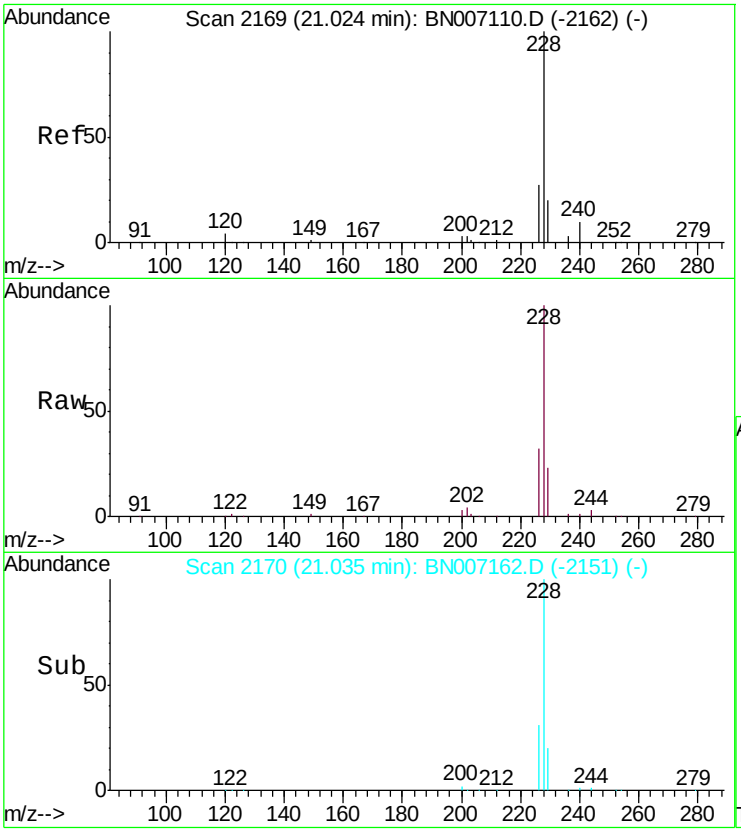


#28
Terphenyl-d14
Concen: 0.194 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Tgt Ion:244 Resp: 21925

Ion	Ratio	Lower	Upper
244	100		
212	11.6	6.2	9.2#
122	13.8	7.4	11.2#



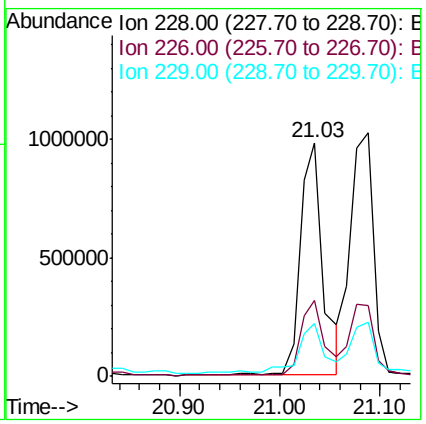


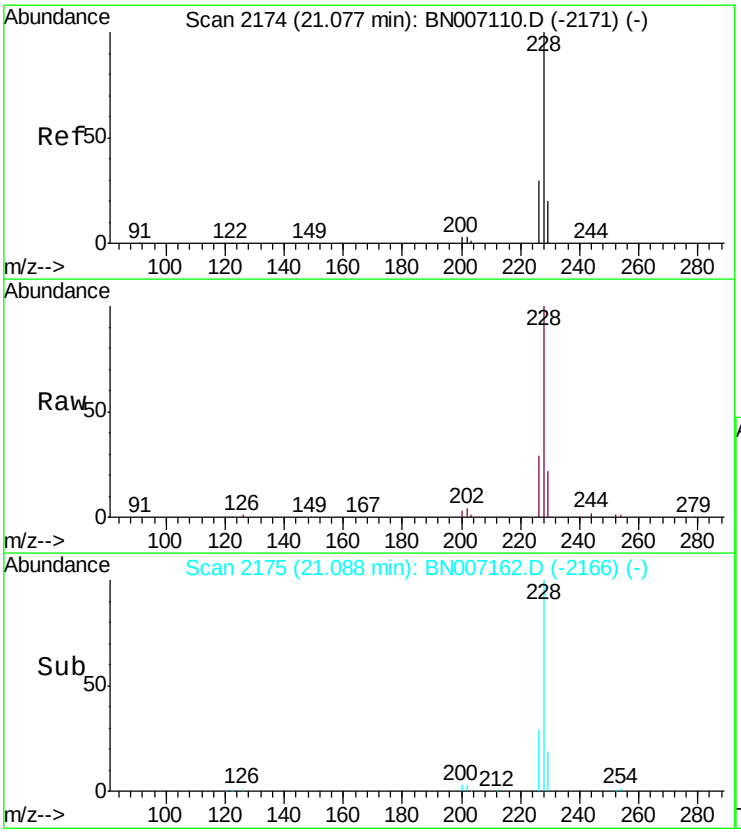
#29
Benzo(a)anthracene
Concen: 10.302 ng
RT: 21.03 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Instrument :
BNA_N
ClientSampleId :
PST-034-B232-080519

Tgt Ion:228 Resp: 1564210

Ion	Ratio	Lower	Upper
228	100		
226	32.4	21.8	32.6
229	22.8	15.6	23.4

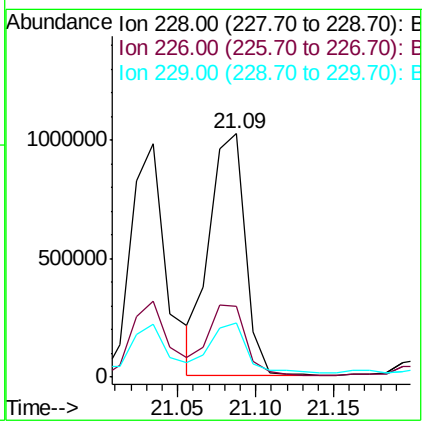


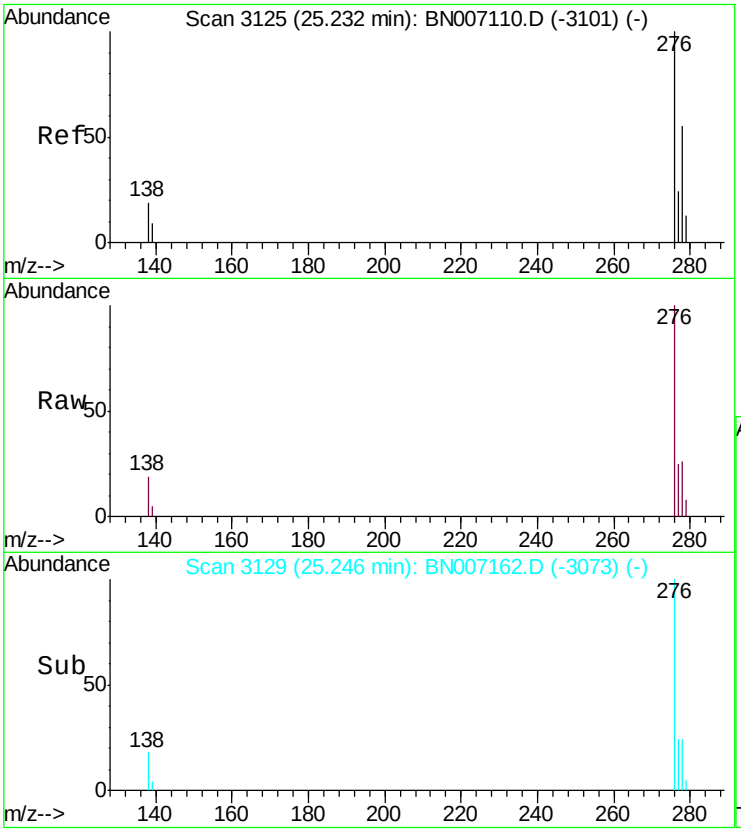


#30
Chrysene
Concen: 11.001 ng
RT: 21.09 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Tgt Ion:228 Resp: 1622883

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.8	35.6
229	22.0	15.7	23.5



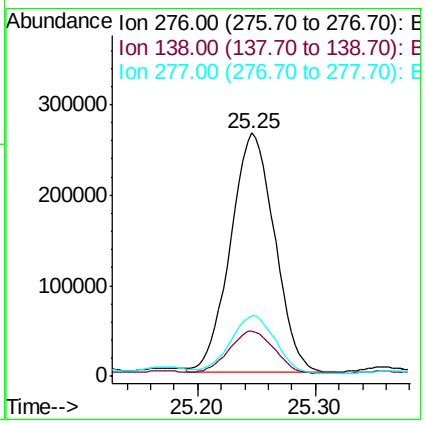


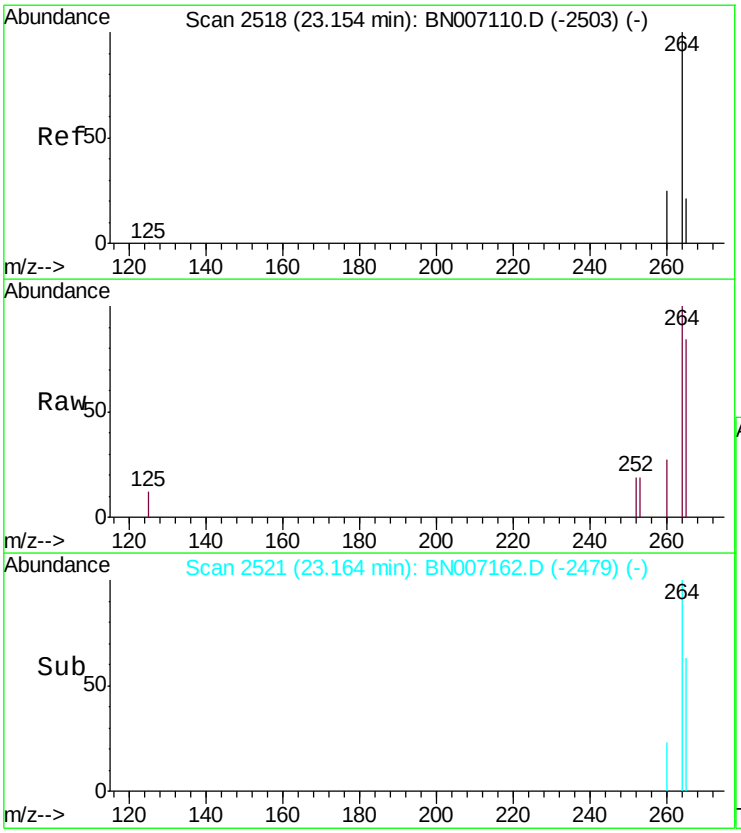
#31
Indeno(1,2,3-cd)pyrene
Concen: 4.220 ng
RT: 25.25 min Scan# 3129
Delta R.T. -0.01 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Instrument :
BNA_N
ClientSampleId :
PST-034-B232-080519

Tgt Ion:276 Resp: 686092

Ion	Ratio	Lower	Upper
276	100		
138	18.6	16.0	24.0
277	25.0	19.9	29.9

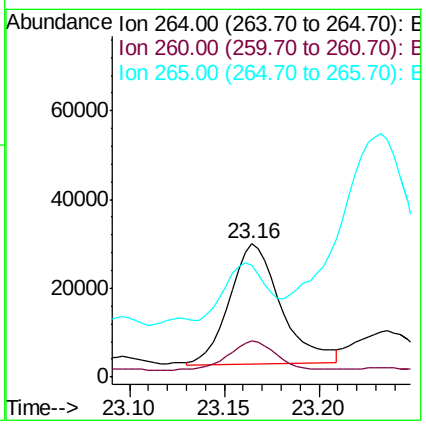


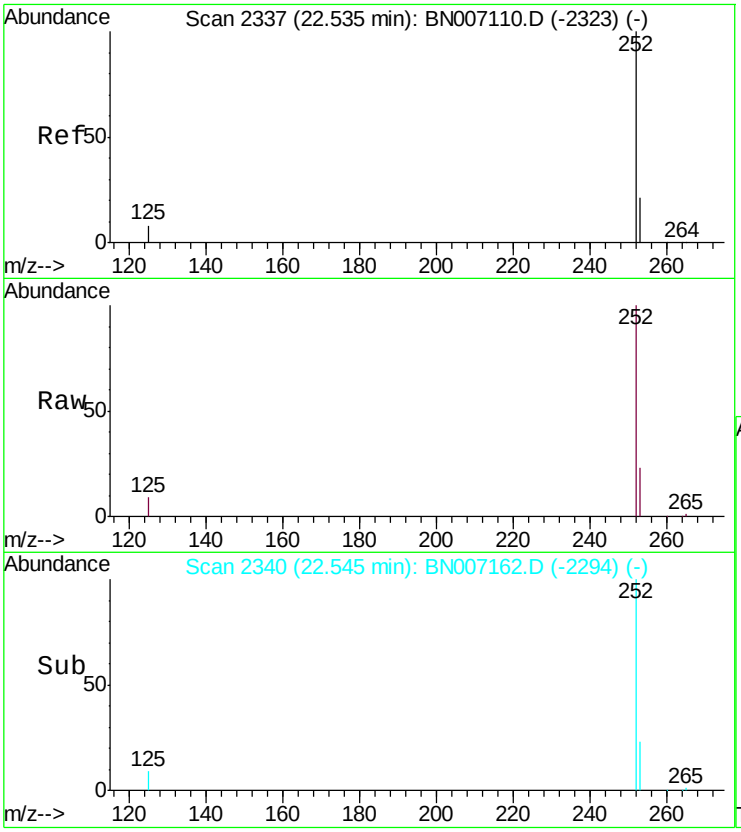


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2521
Delta R.T. -0.01 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Tgt Ion:264 Resp: 51690

Ion	Ratio	Lower	Upper
264	100		
260	27.0	19.8	29.8
265	83.7	26.2	39.4#



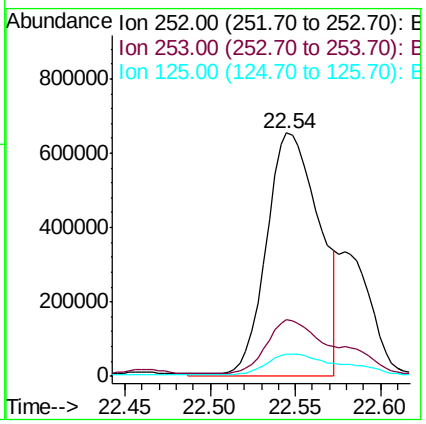


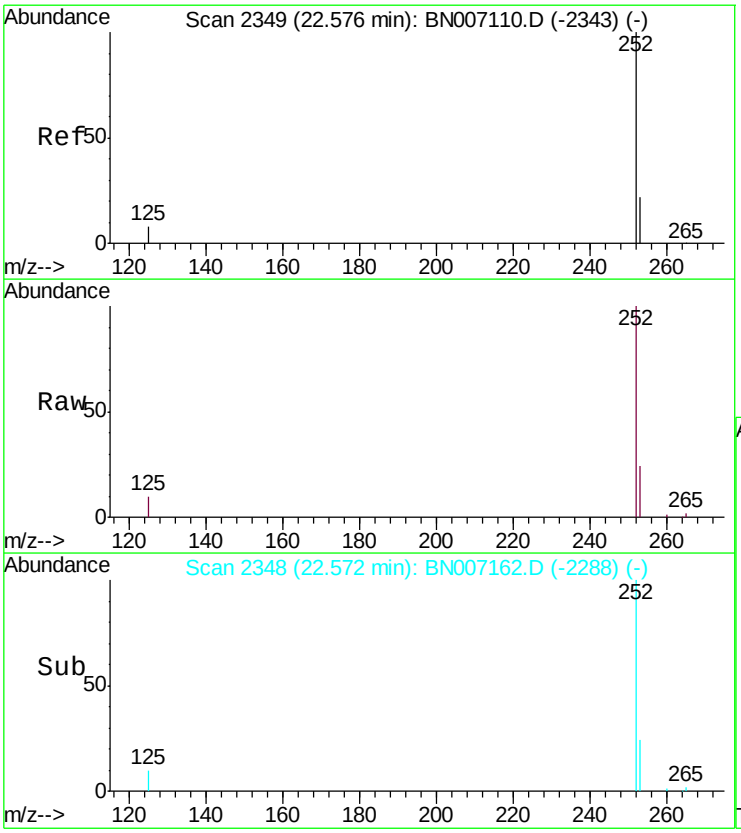
#33
Benzo(b)fluoranthene
Concen: 8.004 ng m
RT: 22.54 min Scan# 2340
Delta R.T. -0.00 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Instrument :
BNA_N
ClientSampleId :
PST-034-B232-080519

Tgt Ion:252 Resp: 1418684

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	9.0	7.4	11.0

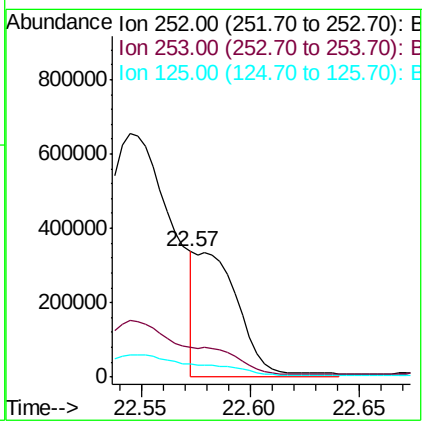


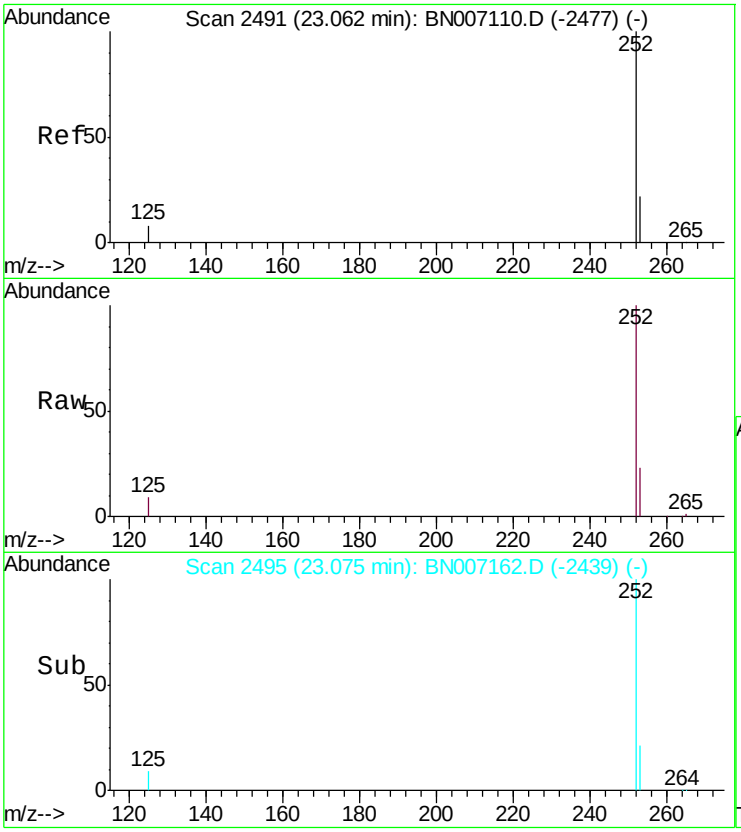


#34
Benzo(k)fluoranthene
Concen: 2.695 ng m
RT: 22.57 min Scan# 2348
Delta R.T. -0.02 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Tgt Ion:252 Resp: 471771

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	10.1	7.4	11.0



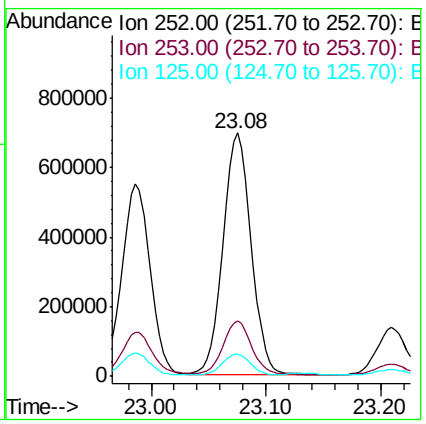


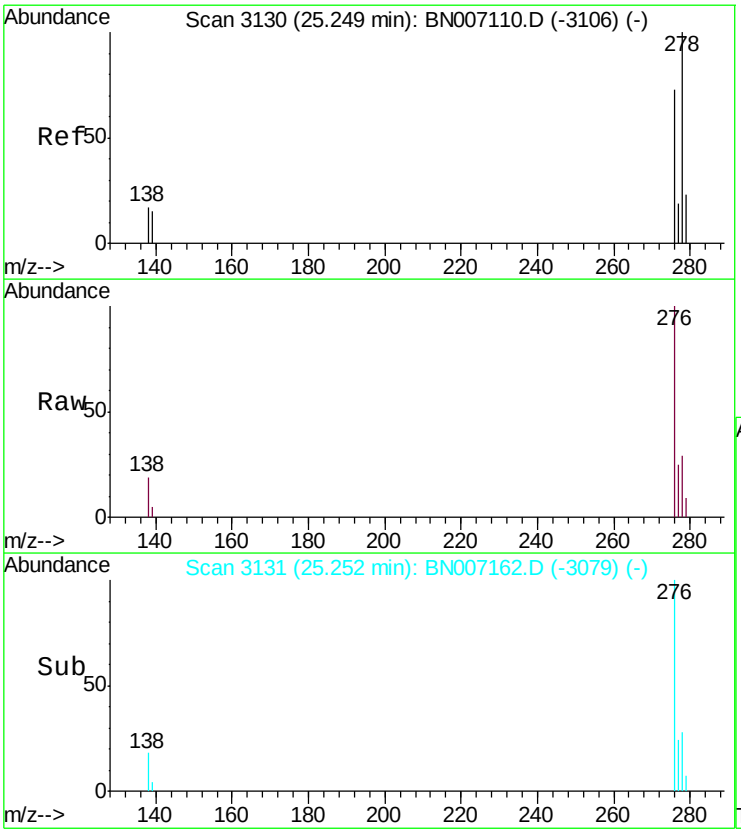
#35
Benzo(a)pyrene
Concen: 7.413 ng
RT: 23.08 min Scan# 2495
Delta R.T. -0.01 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Instrument :
BNA_N
ClientSampleId :
PST-034-B232-080519

Tgt Ion:252 Resp: 1191231

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.5	27.7
125	9.2	8.2	12.4

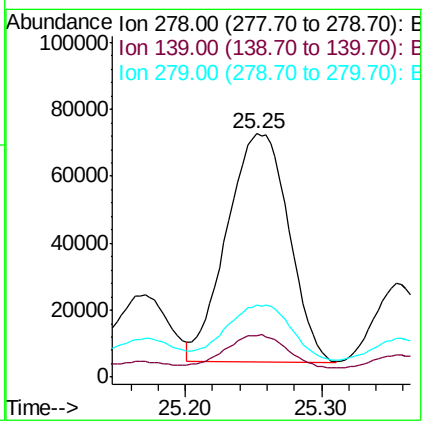


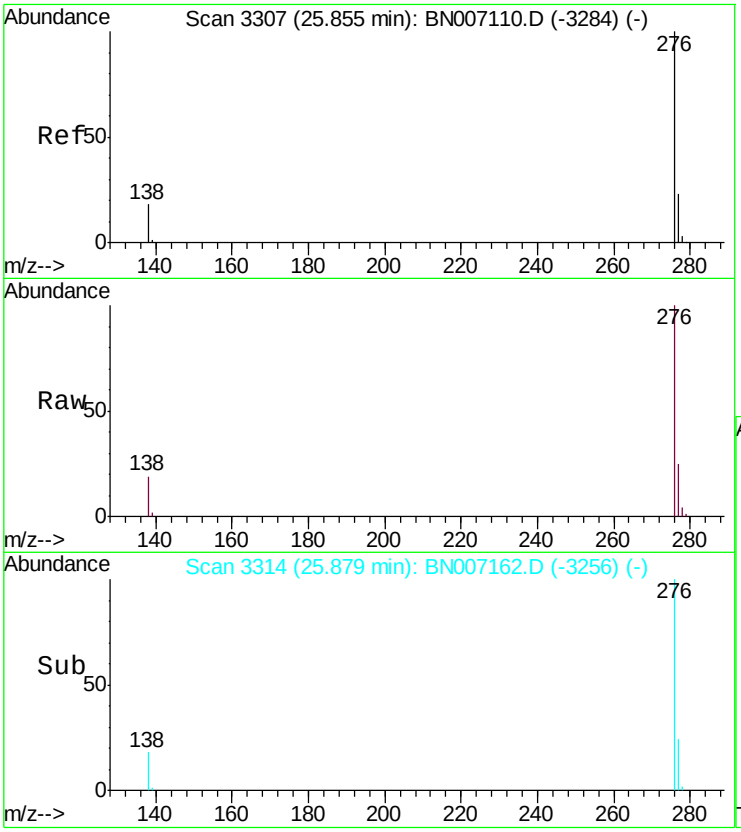


#36
Dibenzo(a,h)anthracene
Concen: 1.349 ng
RT: 25.25 min Scan# 3131
Delta R.T. -0.02 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Tgt Ion:278 Resp: 216306

Ion	Ratio	Lower	Upper
278	100		
139	17.2	11.3	16.9#
279	29.4	19.3	28.9#





#37
Benzo(g,h,i)perylene
Concen: 4.752 ng
RT: 25.88 min Scan# 3314
Delta R.T. -0.00 min
Lab File: BN007162.D
Acq: 14 Aug 2019 10:33

Instrument :
BNA_N
ClientSampleId :
PST-034-B232-080519

Tgt Ion:276 Resp: 783772

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.8	29.8
138	19.0	14.6	22.0