Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081319\
Data File : BN007158.D
Acq On : 14 Aug 2019 08:09
Operator : HP/JU
Sample : K4239-13 10X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PST-034-B231-080519

Quant Time: Aug 14 09:30:49 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	8446	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	32434	0.40	ng		0.00
12) Acenaphthene-d10	14.08	164	20163	0.40	ng		0.00
18) Phenanthrene-d10	16.82	188	41352	0.40	ng		0.00
26) Chrysene-d12	21.05	240	43113	0.40	ng		-0.01
32) Perylene-d12	23.17	264	58707	0.40	ng		0.00
System Monitoring Compounds							
3) 2-Fluorophenol	5.06	112	615	0.03	ng		0.00
4) Phenol-d6	6.62	99	772	0.03	ng		0.00
7) Nitrobenzene-d5	8.56	82	696	0.03	ng		0.00
10) 2-Methylnaphthalene-d10	11.79	152	1347	0.02	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	268	0.02	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	424	0.01	ng		0.00
24) Fluoranthene-d10	18.84	212	7767	0.05	ng		-0.03
28) Terphenyl-d14	19.48	244	6966	0.06	ng		-0.02
Target Compounds							Qvalue
8) Naphthalene	10.24	128	45083	0.496	ng		99
11) 2-Methylnaphthalene	11.87	142	63229	0.981	ng		98
15) Acenaphthylene	13.79	152	301193	2.858	ng		97
16) Acenaphthene	14.13	154	93388	1.383	ng		93
17) Fluorene	15.13	166	177335	1.756	ng	#	88
22) Phenanthrene	16.87	178	4320670	34.864	ng		99
23) Anthracene	16.96	178	599071	5.291	ng		98
25) Fluoranthene	18.90	202	4369541	27.563	ng		98
27) Pyrene	19.27	202	6731905	44.525	ng	#	93
29) Benzo(a)anthracene	21.03	228	3085054	19.567	ng		93
30) Chrysene	21.09	228	3386921	22.110	ng		98
31) Indeno(1,2,3-cd)pyrene	25.25	276	1411116	8.358	ng		99
33) Benzo(b)fluoranthene	22.55	252	2865768	14.236	ng		99
34) Benzo(k)fluoranthene	22.59	252	838258m	4.216	ng		
35) Benzo(a)pyrene	23.08	252	2400262	13.152	ng		99
36) Dibenzo(a,h)anthracene	25.26	278	452616	2.486	ng		92
37) Benzo(g,h,i)perylene	25.89	276	1700631	9.079	ng		100

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081319\
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Instrument :
BNA_N
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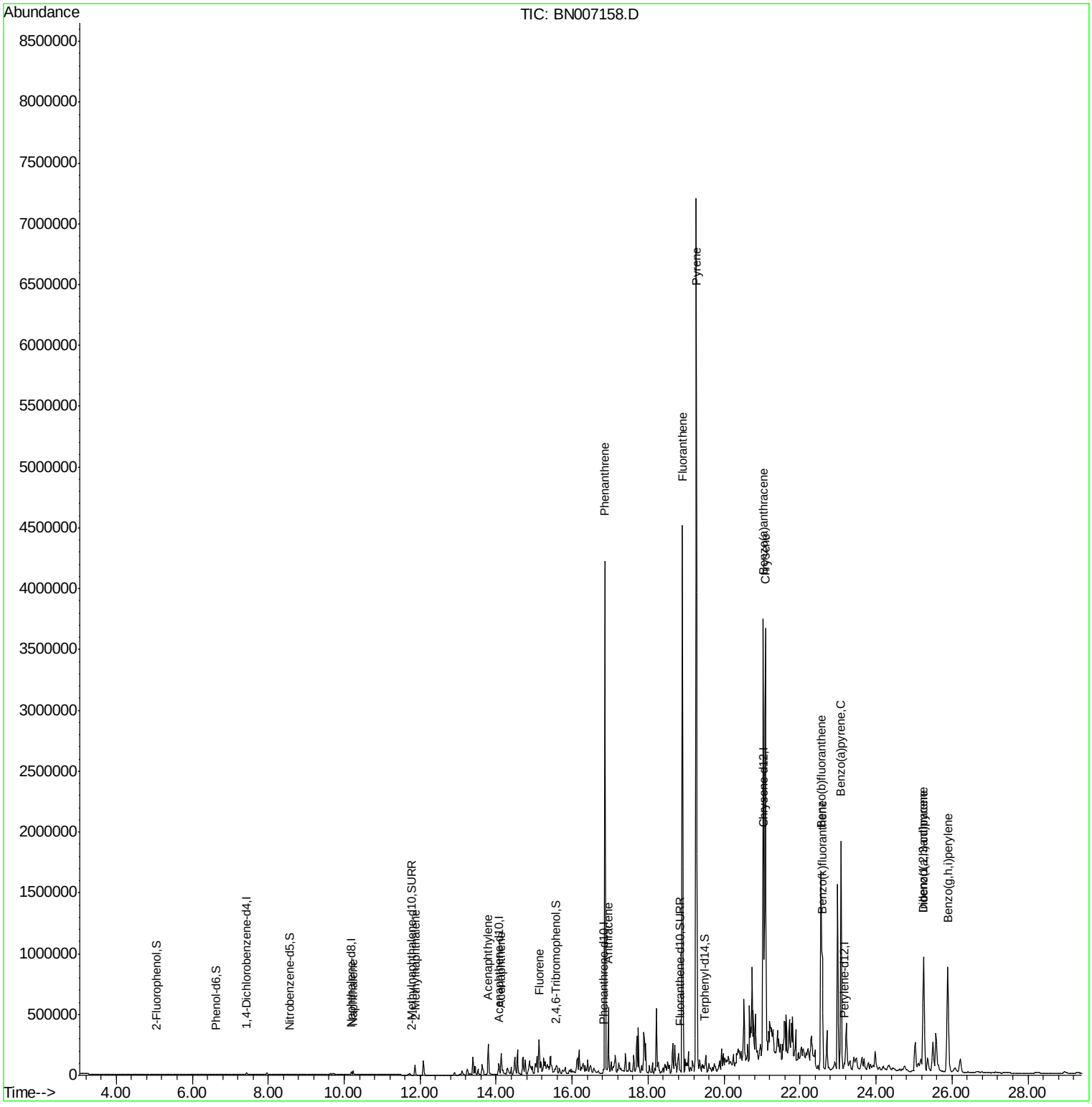
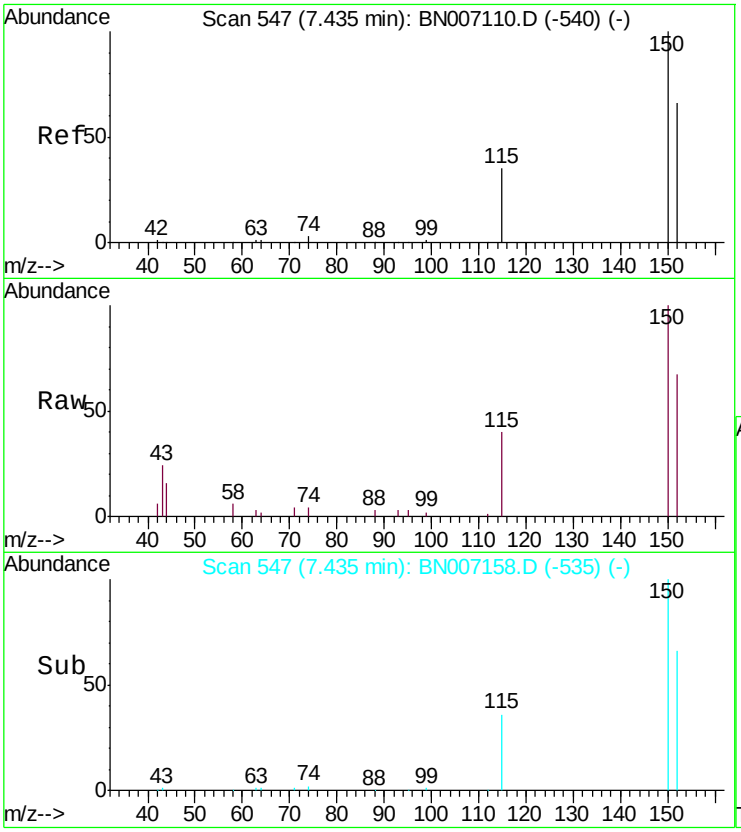
PST-034-B231-080519

Quant Time: Aug 14 09:30:49 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



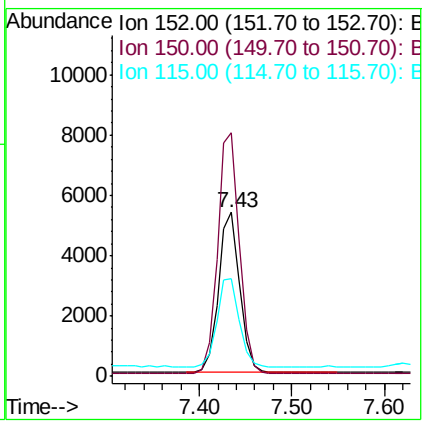


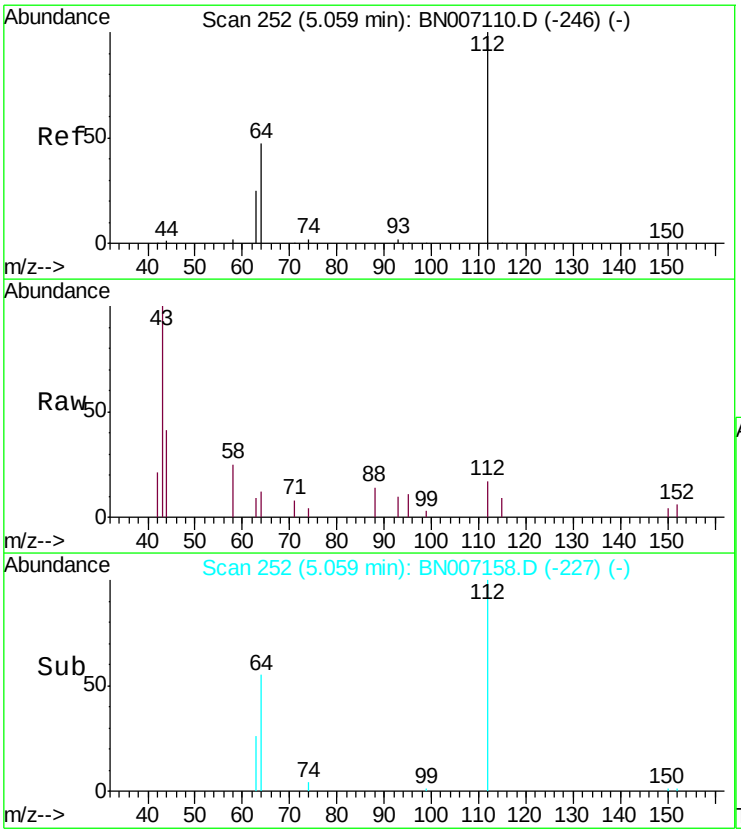
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Instrument :
BNA_N
ClientSampleId :
PST-034-B231-080519

Tgt Ion:152 Resp: 8446

Ion	Ratio	Lower	Upper
152	100		
150	148.3	121.7	182.5
115	59.3	46.2	69.4

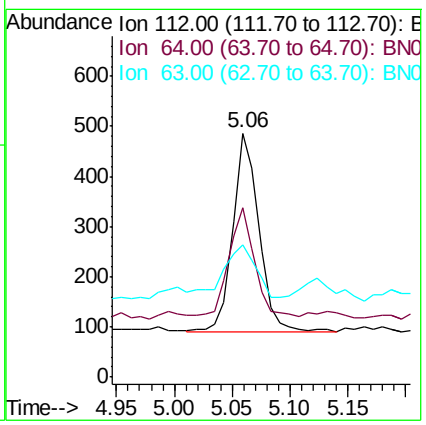


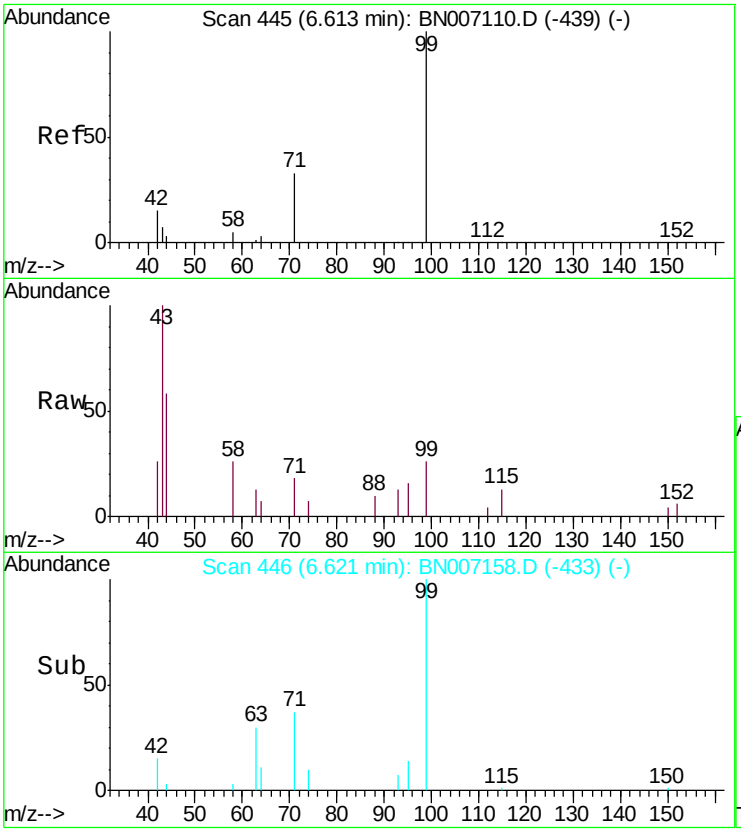


#3
2-Fluorophenol
Concen: 0.030 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Tgt Ion:112 Resp: 615

Ion	Ratio	Lower	Upper
112	100		
64	56.3	42.6	63.8
63	33.3	22.2	33.2#



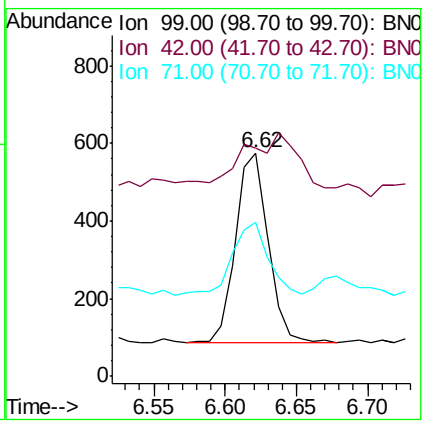


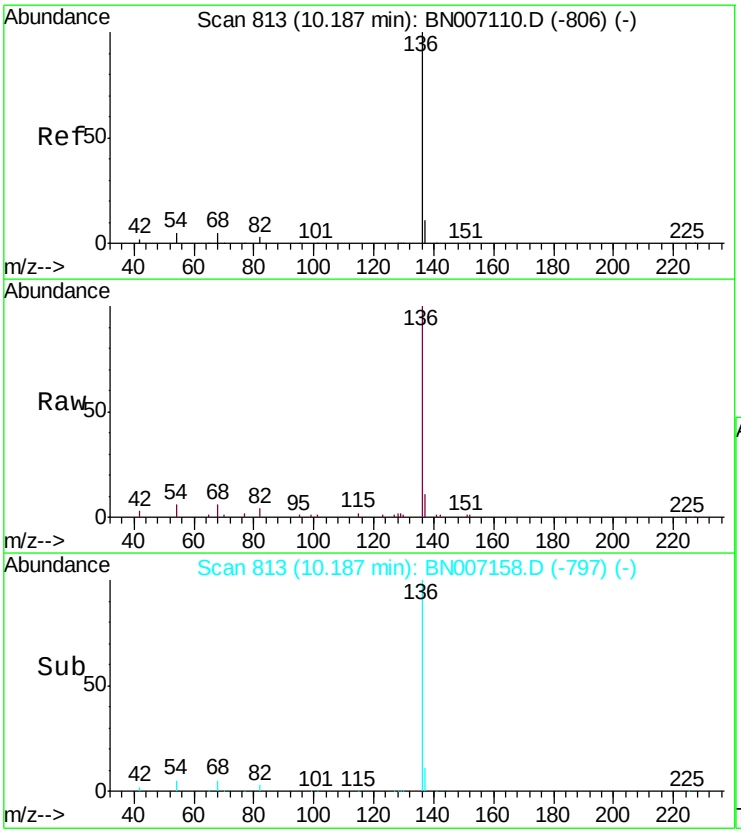
#4
Phenol-d6
Concen: 0.031 ng
RT: 6.62 min Scan# 446
Delta R.T. 0.01 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Instrument :
BNA_N
ClientSampleId :
PST-034-B231-080519

Tgt Ion: 99 Resp: 772

Ion	Ratio	Lower	Upper
99	100		
42	64.1	15.8	23.6#
71	42.5	27.0	40.4#

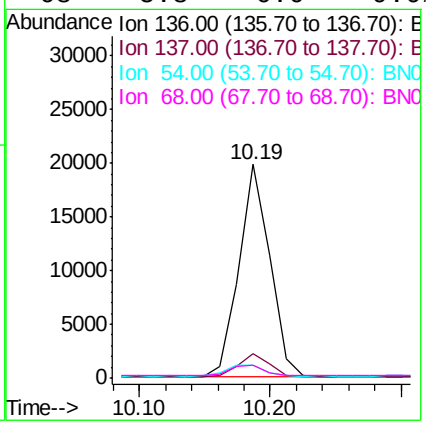


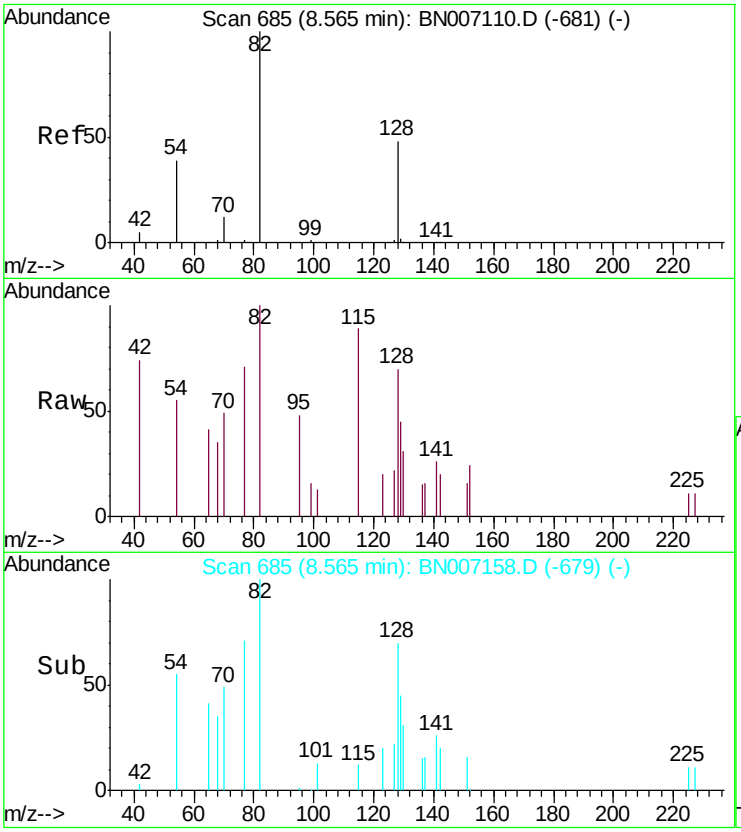


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Tgt Ion:136 Resp: 32434

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.4	14.0
54	6.1	6.6	9.8#
68	5.8	6.0	9.0#



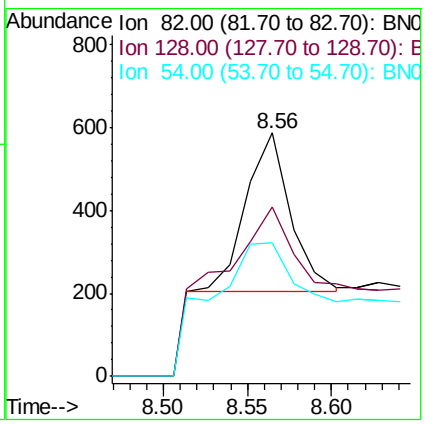


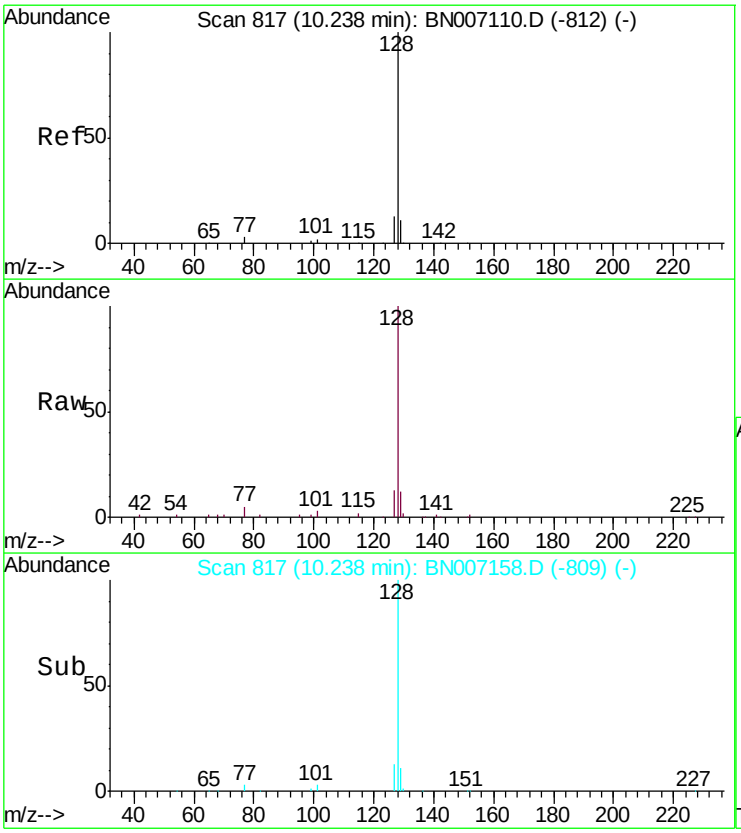
#7
Nitrobenzene-d5
Concen: 0.027 ng
RT: 8.56 min Scan# 685
Delta R.T. -0.00 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Instrument :
BNA_N
ClientSampleId :
PST-034-B231-080519

Tgt Ion: 82 Resp: 696

Ion	Ratio	Lower	Upper
82	100		
128	69.6	34.6	51.8#
54	54.9	36.2	54.4#

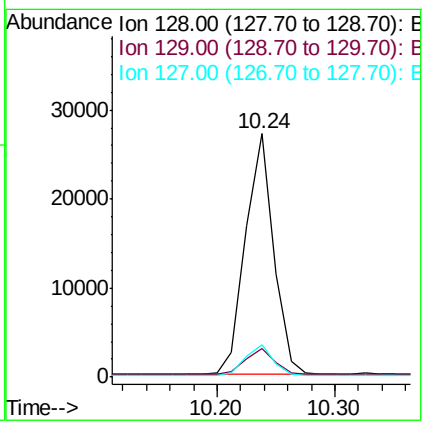


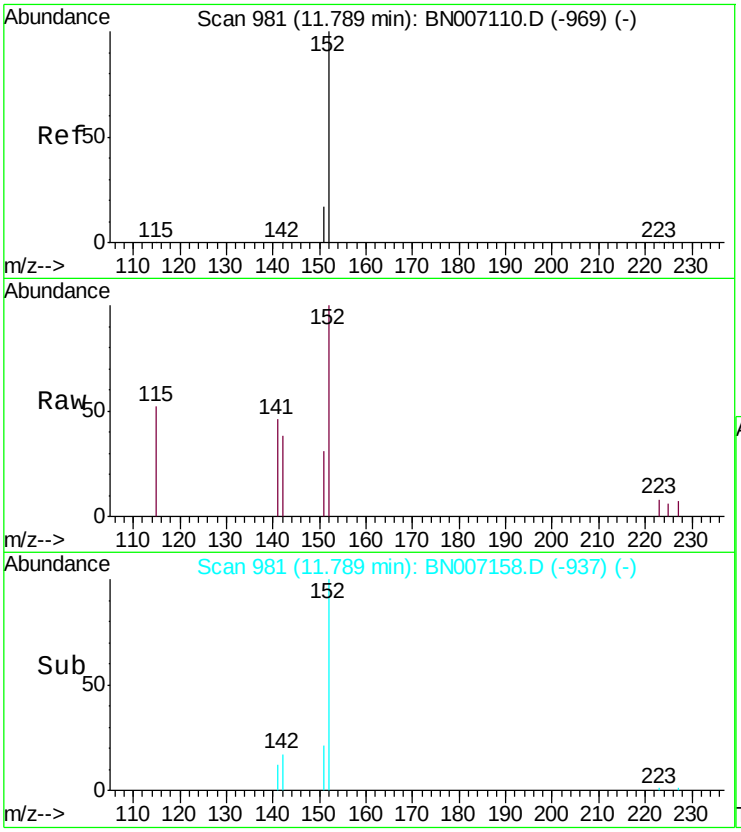


#8
Naphthalene
Concen: 0.496 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Tgt Ion:128 Resp: 45083

Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.4	14.2
127	13.4	11.0	16.6



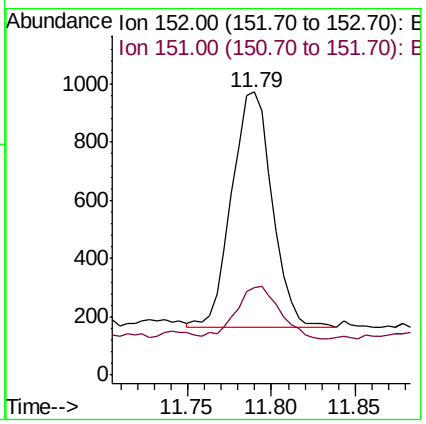


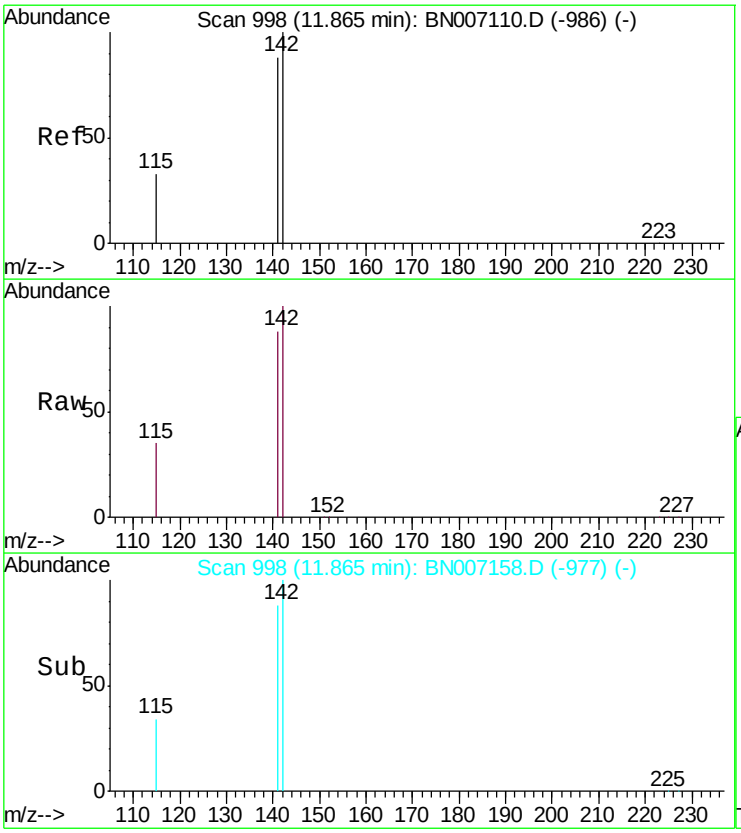
#10
2-Methylnaphthalene-d10
Concen: 0.022 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Instrument :
BNA_N
ClientSampleId :
PST-034-B231-080519

Tgt Ion:152 Resp: 1347

Ion	Ratio	Lower	Upper
152	100		
151	24.6	15.5	23.3#

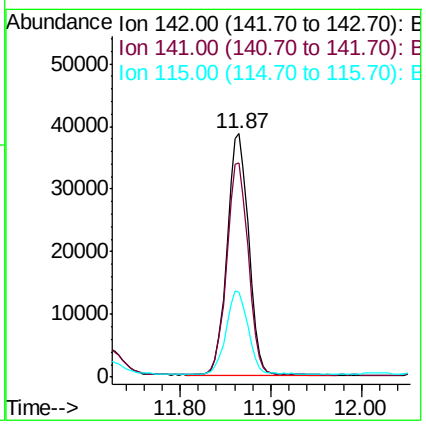


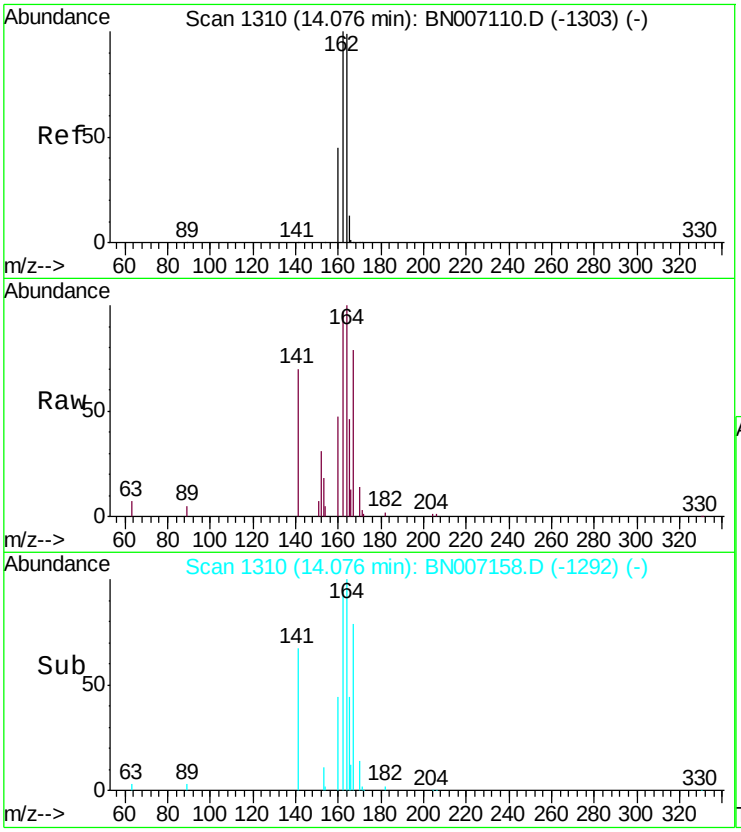


#11
2-Methylnaphthalene
Concen: 0.981 ng
RT: 11.87 min Scan# 998
Delta R.T. -0.00 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Tgt Ion:142 Resp: 63229

Ion	Ratio	Lower	Upper
142	100		
141	87.9	69.0	103.6
115	34.9	27.1	40.7



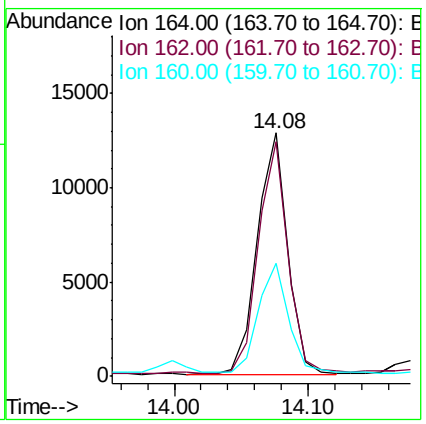


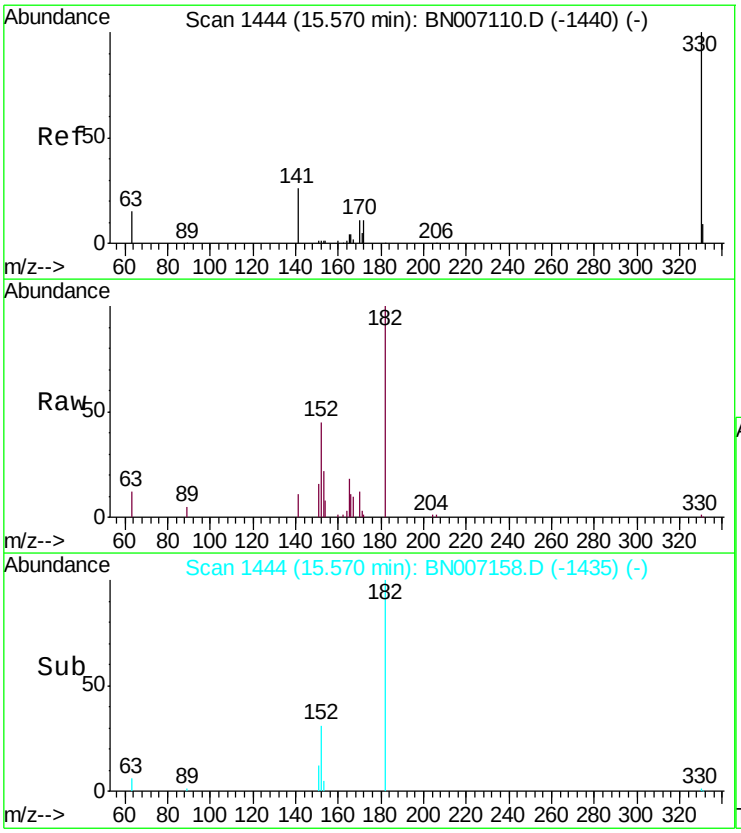
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Instrument :
BNA_N
ClientSampleId :
PST-034-B231-080519

Tgt Ion:164 Resp: 20163

Ion	Ratio	Lower	Upper
164	100		
162	96.5	82.2	123.4
160	46.7	38.3	57.5

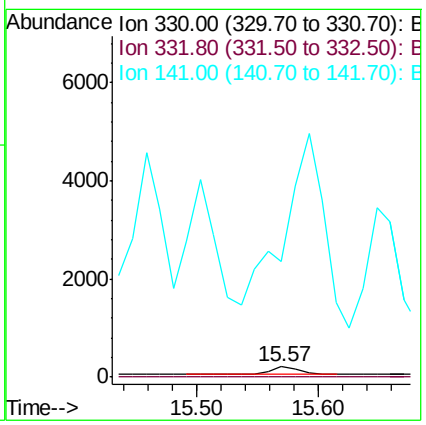


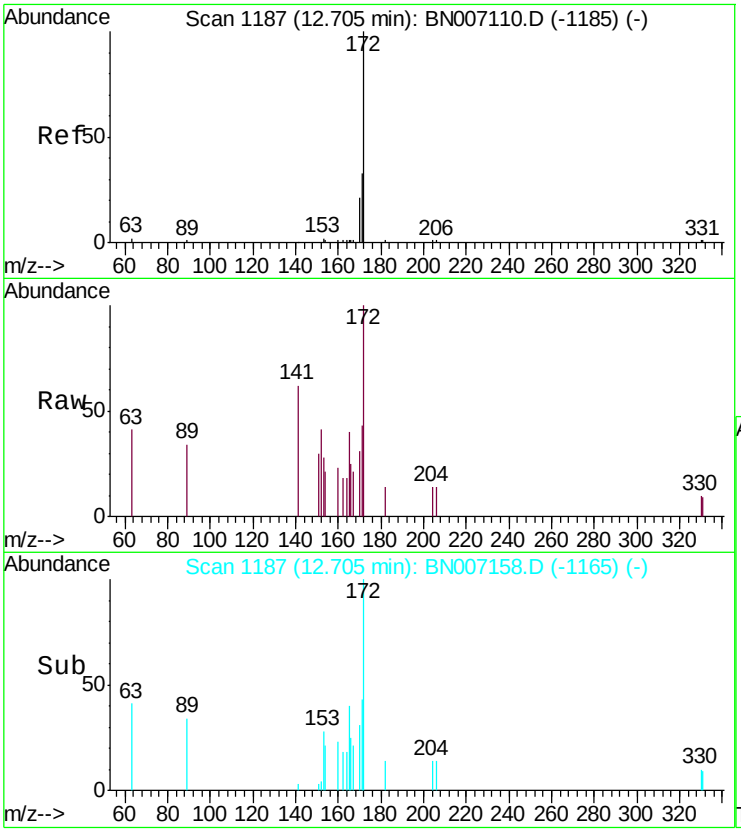


#13
2,4,6-Tribromophenol
Concen: 0.025 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Tgt Ion:330 Resp: 268

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



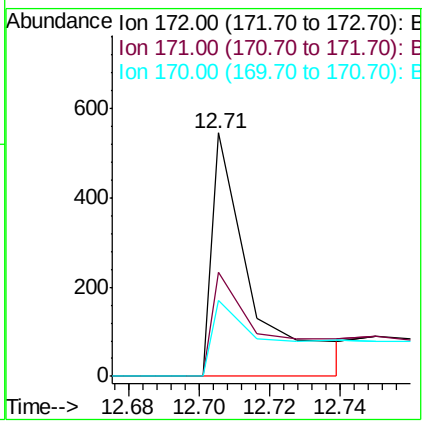


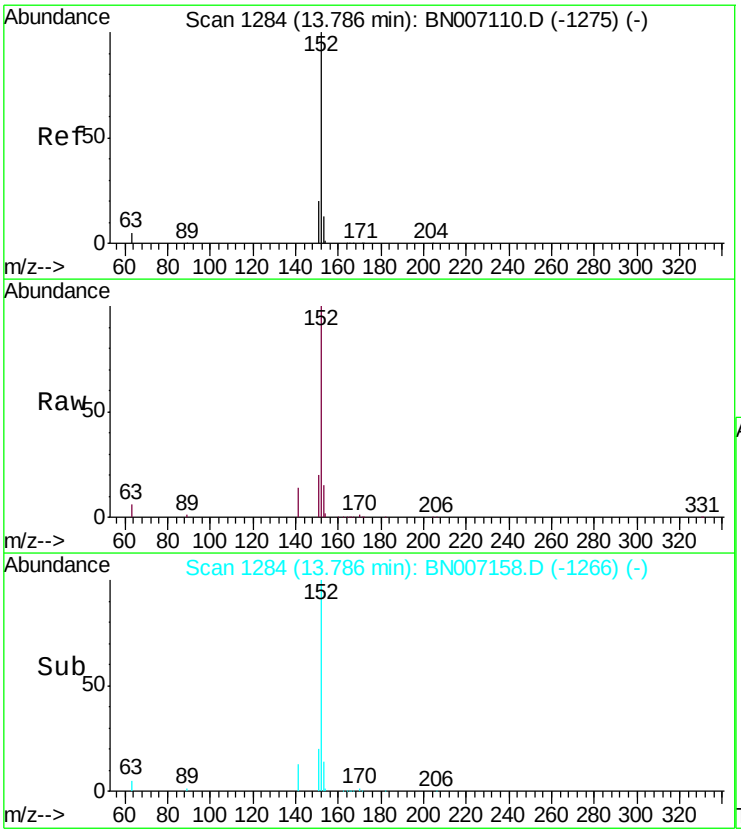
#14
2-Fluorobiphenyl
Concen: 0.014 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Instrument :
BNA_N
ClientSampleId :
PST-034-B231-080519

Tgt Ion:172 Resp: 424

Ion	Ratio	Lower	Upper
172	100		
171	42.9	26.3	39.5#
170	31.2	17.0	25.4#

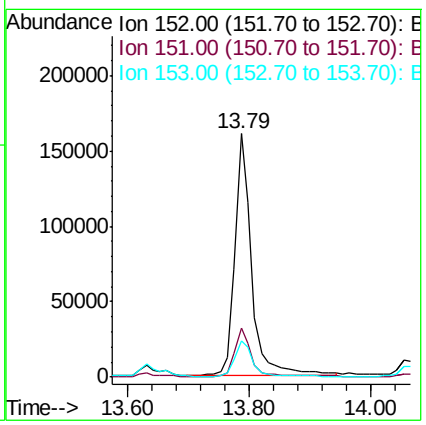


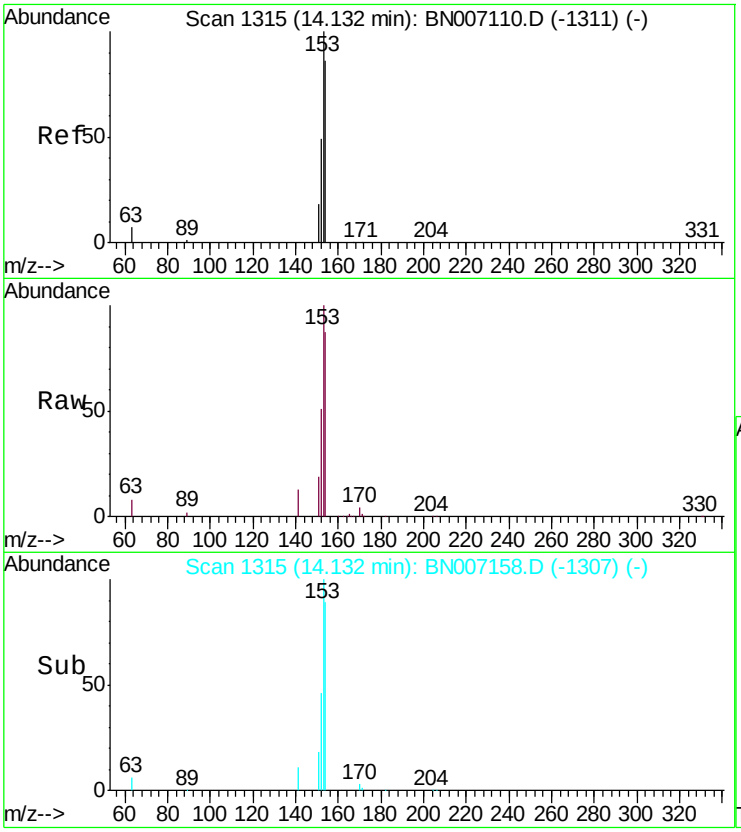


#15
Acenaphthylene
Concen: 2.858 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Tgt Ion:152 Resp: 301193

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.6
153	15.3	10.4	15.6



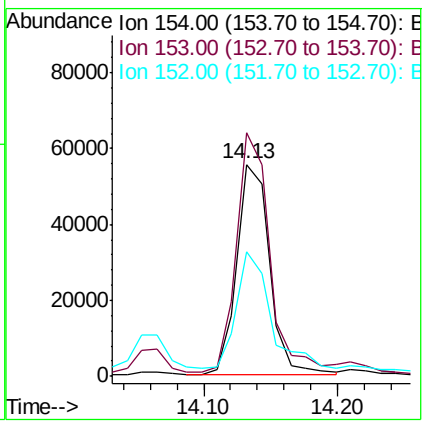


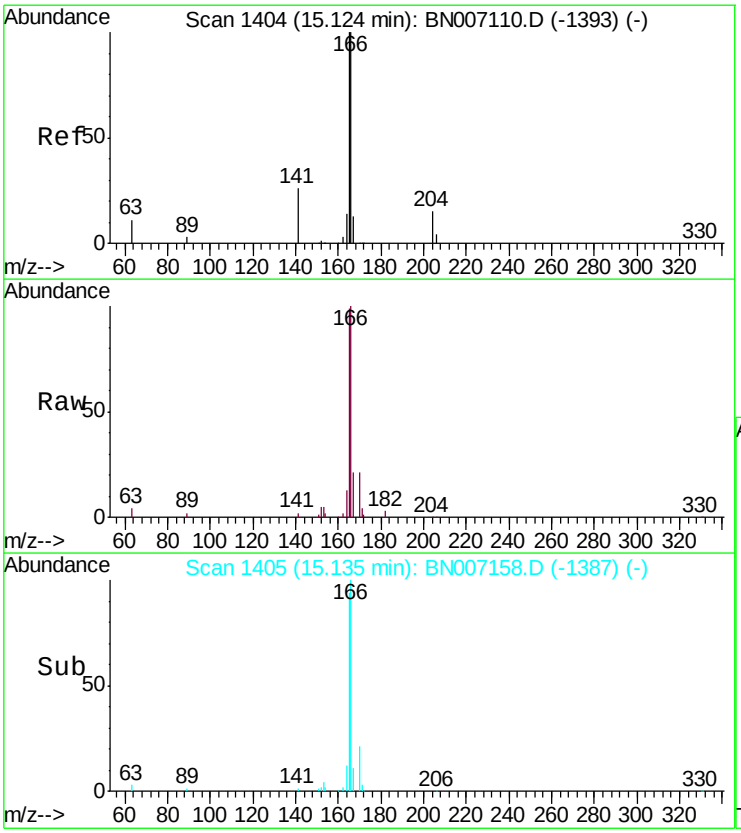
#16
Acenaphthene
Concen: 1.383 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Instrument :
BNA_N
ClientSampleId :
PST-034-B231-080519

Tgt Ion:154 Resp: 93388

Ion	Ratio	Lower	Upper
154	100		
153	122.4	89.5	134.3
152	57.8	44.8	67.2

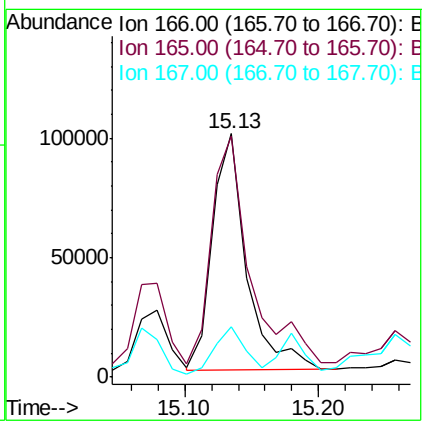


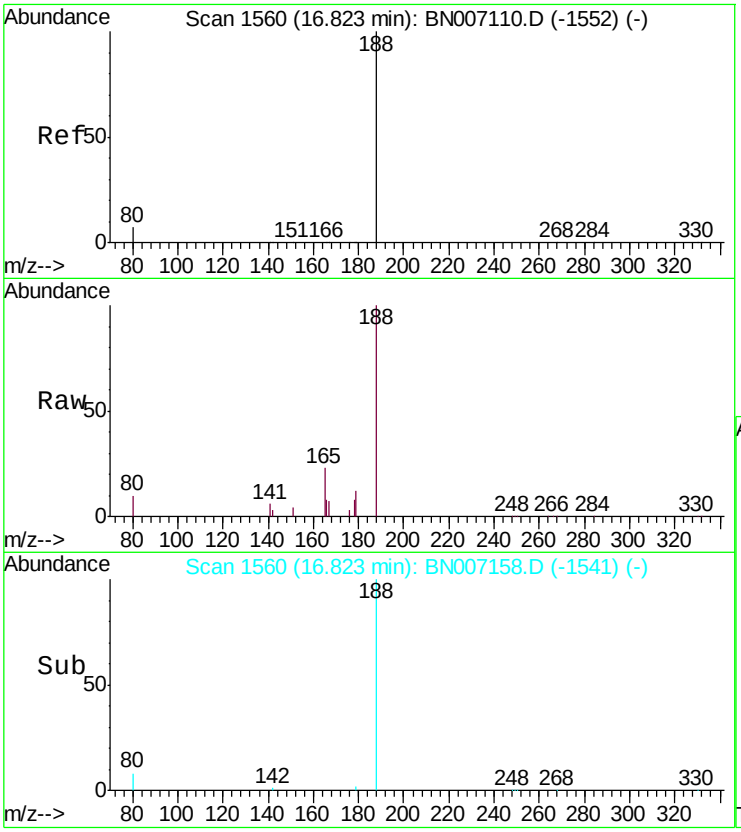


#17
Fluorene
Concen: 1.756 ng
RT: 15.13 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Tgt Ion:166 Resp: 177335

Ion	Ratio	Lower	Upper
166	100		
165	109.0	77.9	116.9
167	18.2	10.9	16.3#



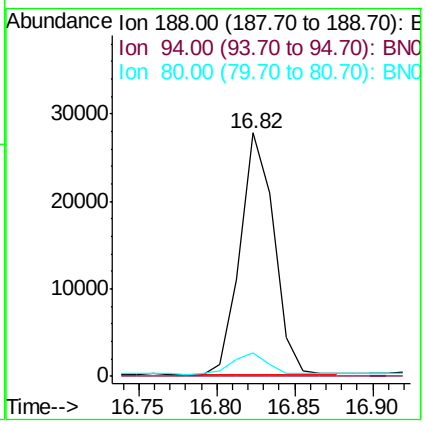


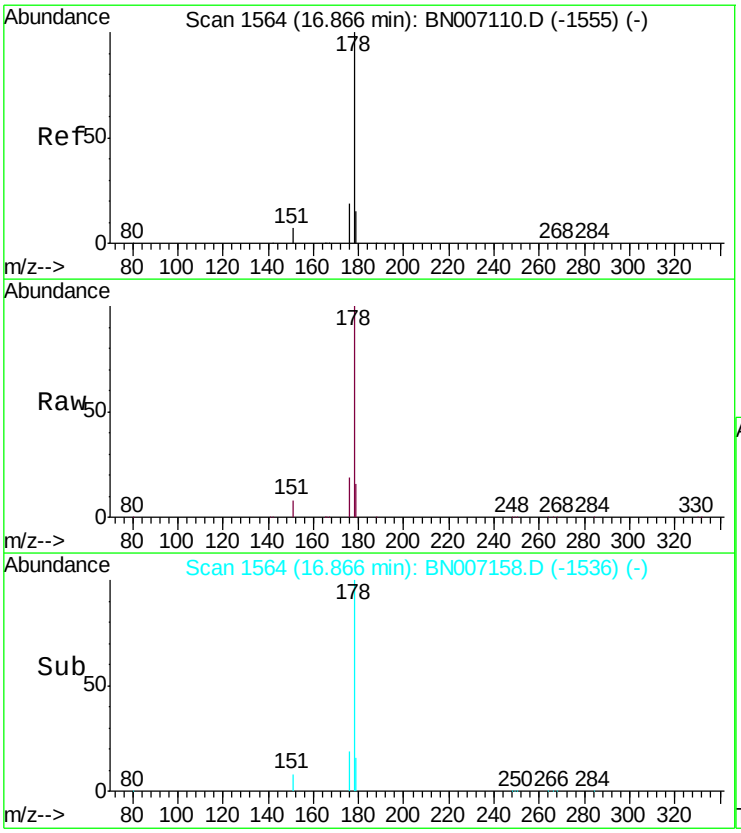
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Instrument :
BNA_N
ClientSampleId :
PST-034-B231-080519

Tgt Ion:188 Resp: 41352

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.5	7.8	11.6

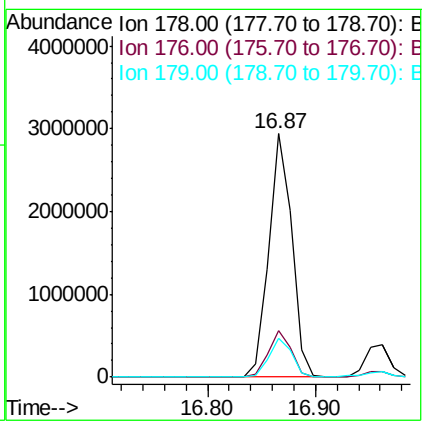


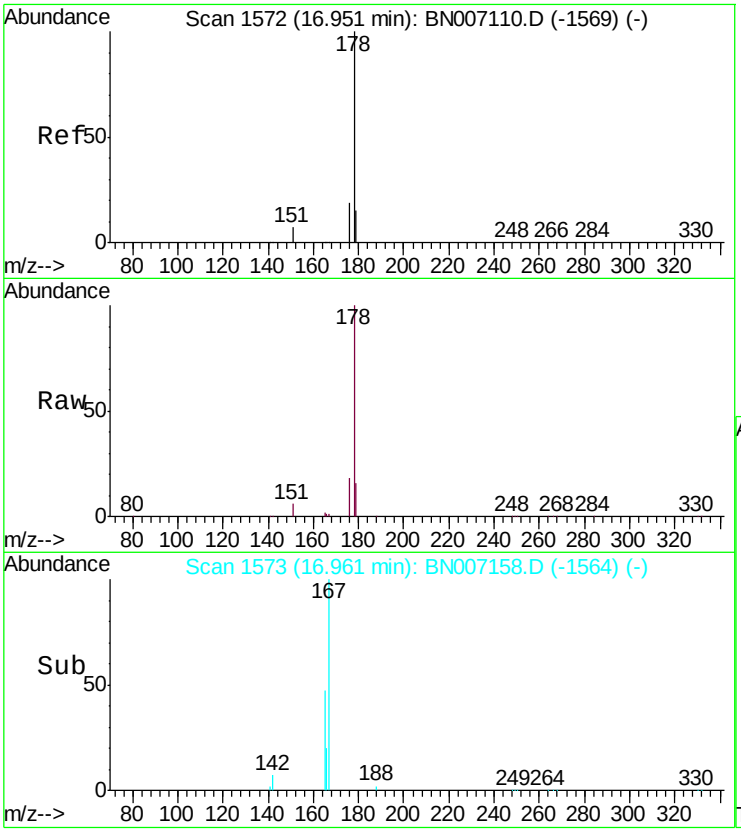


#22
Phenanthrene
Concen: 34.864 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Tgt Ion:178 Resp: 4320670

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



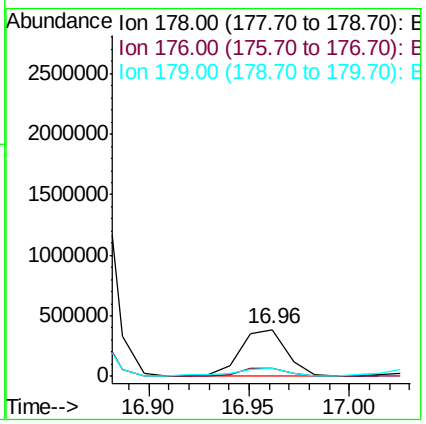


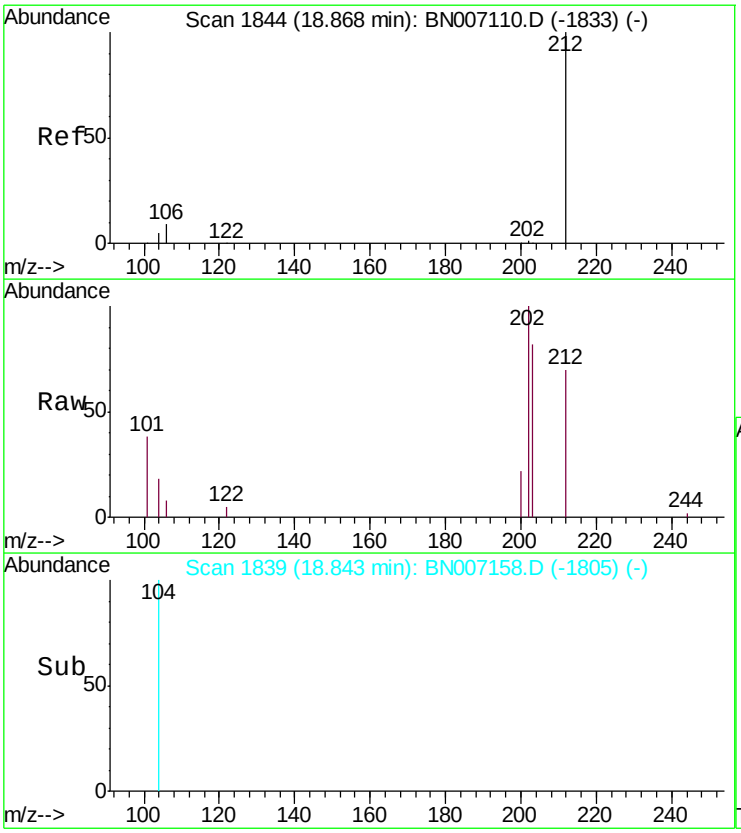
#23
Anthracene
Concen: 5.291 ng
RT: 16.96 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Instrument :
BNA_N
ClientSampleId :
PST-034-B231-080519

Tgt Ion:178 Resp: 599071

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	17.2	12.5	18.7

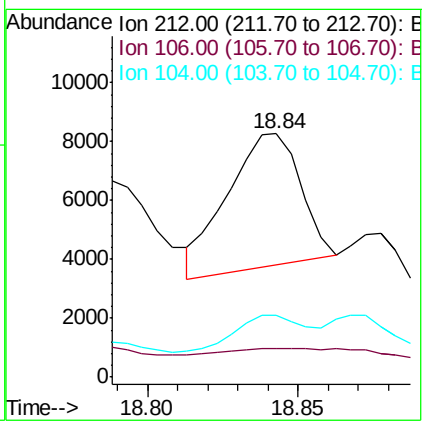


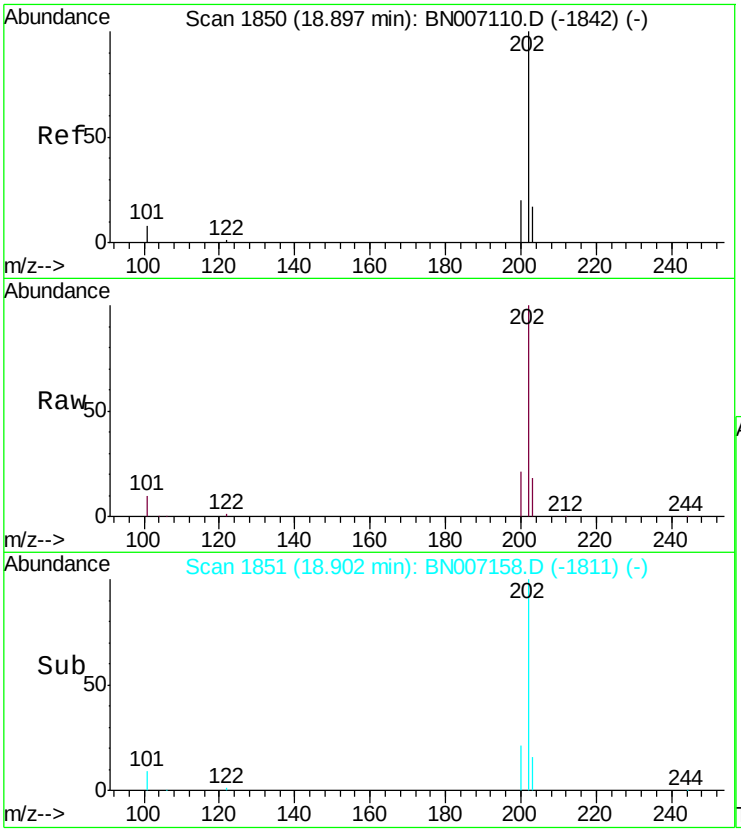


#24
Fluoranthene-d10
Concen: 0.053 ng
RT: 18.84 min Scan# 1839
Delta R.T. -0.03 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Tgt Ion:212 Resp: 7767

Ion	Ratio	Lower	Upper
212	100		
106	14.0	8.2	12.2#
104	28.3	4.5	6.7#



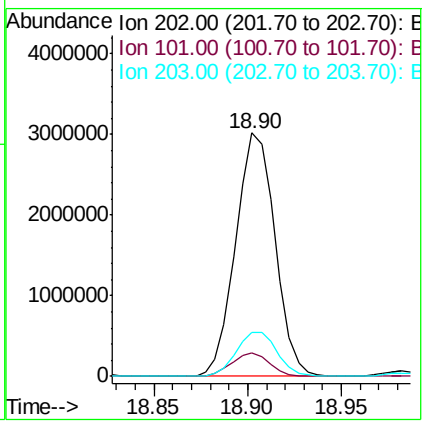


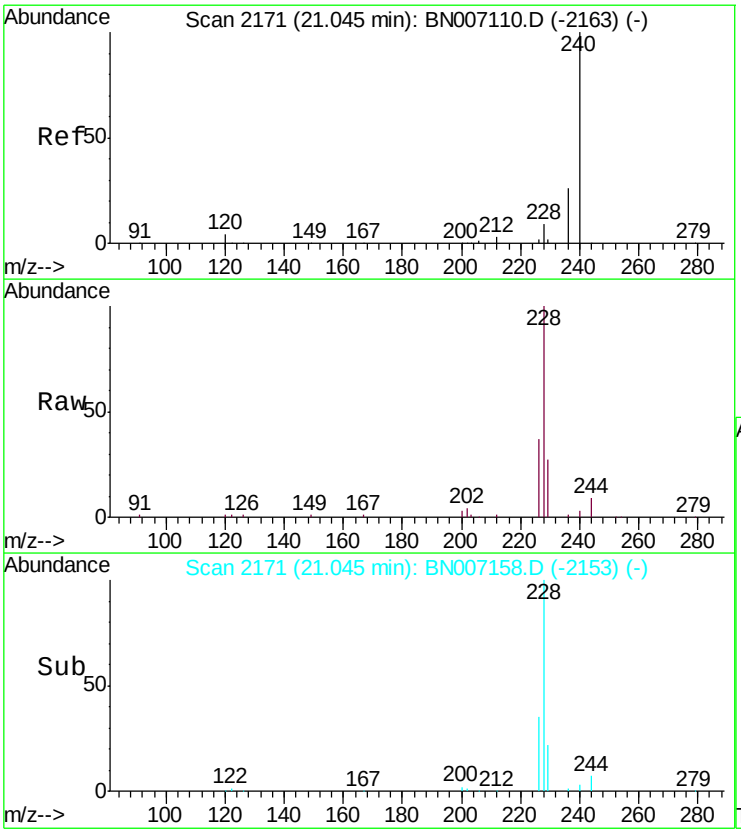
#25
Fluoranthene
Concen: 27.563 ng
RT: 18.90 min Scan# 1851
Delta R.T. -0.00 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Instrument :
BNA_N
ClientSampleId :
PST-034-B231-080519

Tgt Ion:202 Resp: 4369541

Ion	Ratio	Lower	Upper
202	100		
101	9.3	7.0	10.4
203	18.6	13.8	20.8

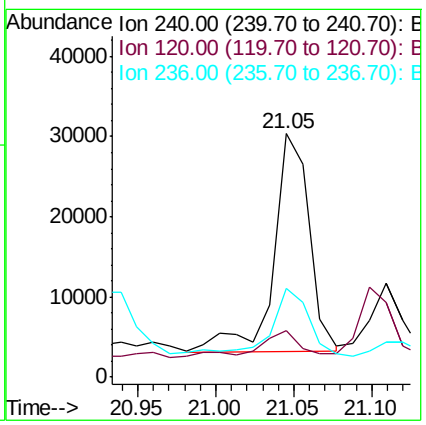


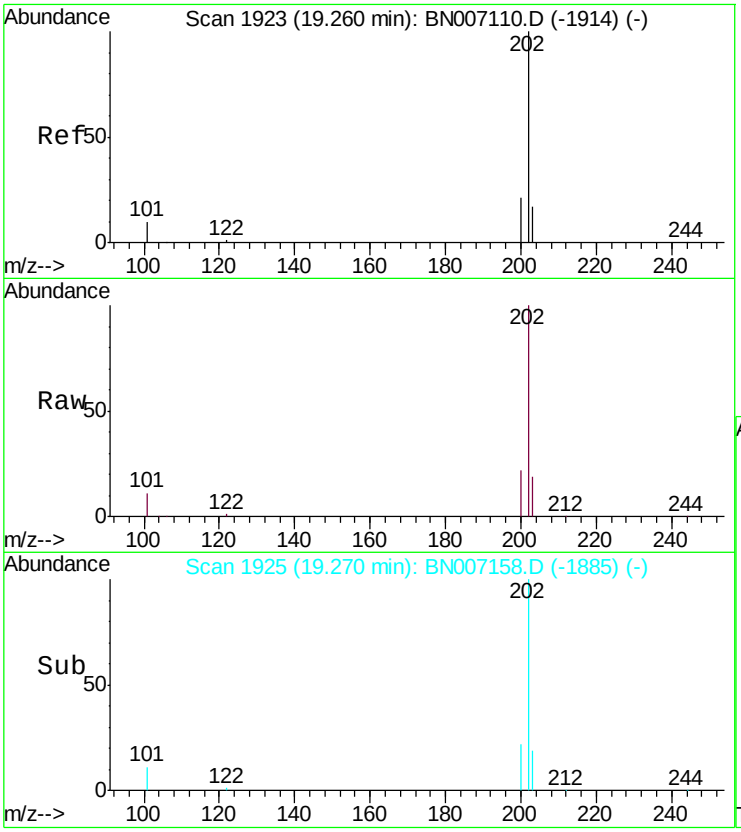


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Tgt Ion:240 Resp: 43113

Ion	Ratio	Lower	Upper
240	100		
120	18.9	4.0	6.0#
236	36.4	21.3	31.9#



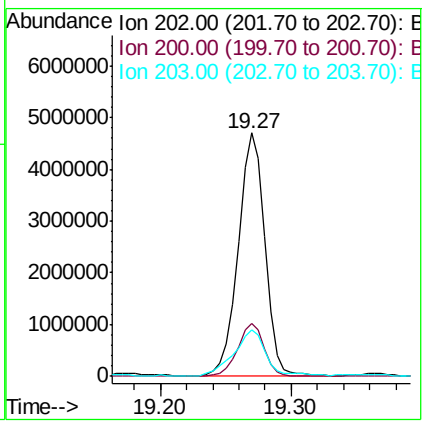


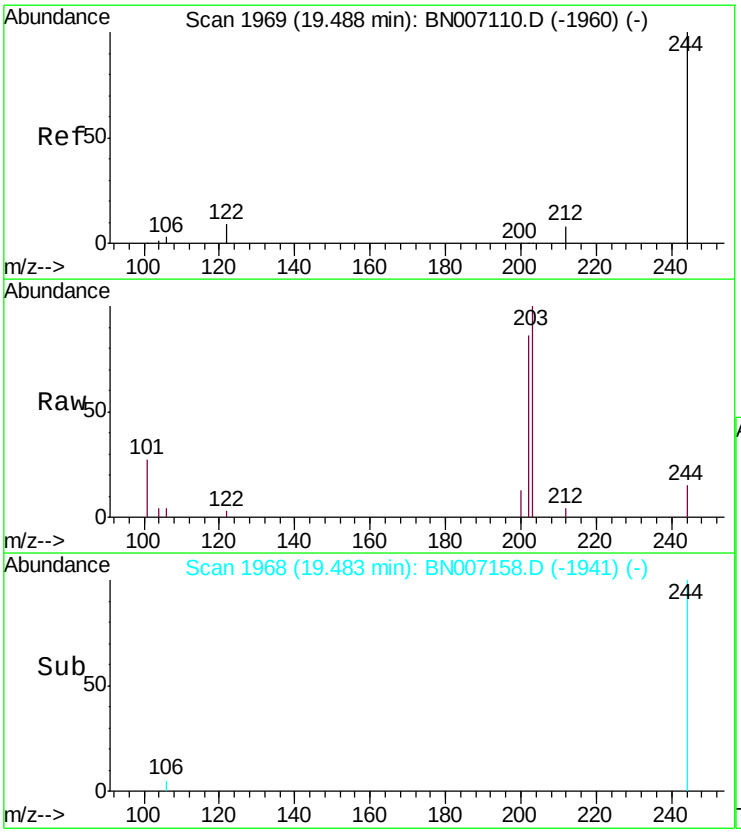
#27
Pyrene
Concen: 44.525 ng
RT: 19.27 min Scan# 1925
Delta R.T. -0.00 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Instrument :
BNA_N
ClientSampleId :
PST-034-B231-080519

Tgt Ion:202 Resp: 6731905

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.6	24.8
203	22.9	14.0	21.0#

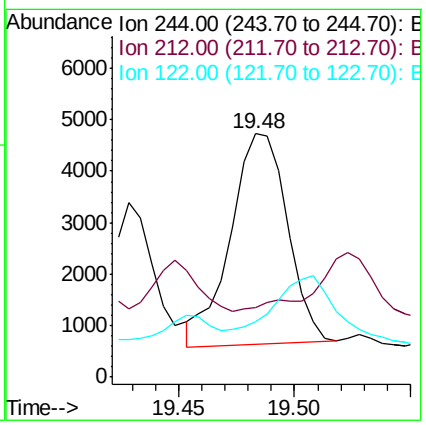


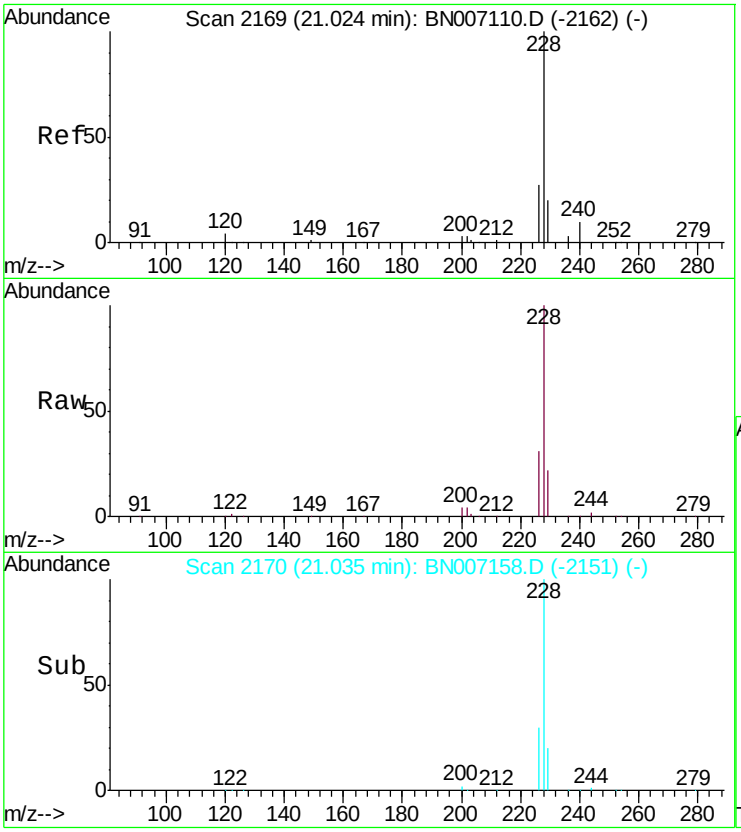


#28
Terphenyl-d14
Concen: 0.059 ng
RT: 19.48 min Scan# 1968
Delta R.T. -0.02 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Tgt Ion:244 Resp: 6966

Ion	Ratio	Lower	Upper
244	100		
212	28.5	6.2	9.2#
122	22.6	7.4	11.2#



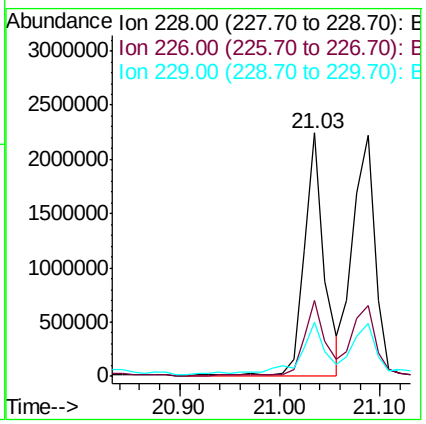


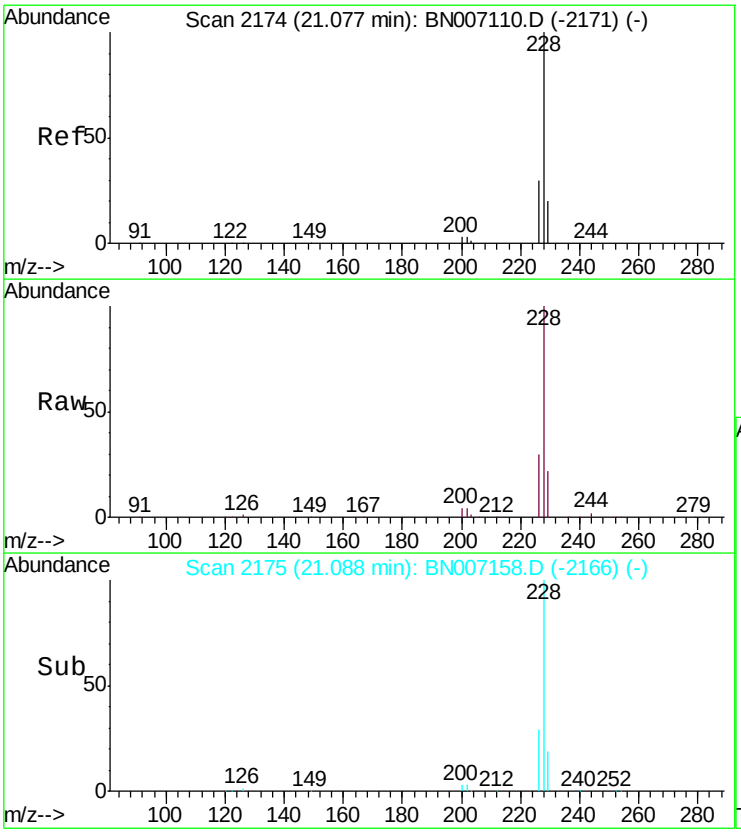
#29
Benzo(a)anthracene
Concen: 19.567 ng
RT: 21.03 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Instrument :
BNA_N
ClientSampleId :
PST-034-B231-080519

Tgt Ion:228 Resp: 3085054

Ion	Ratio	Lower	Upper
228	100		
226	31.0	21.8	32.6
229	22.1	15.6	23.4

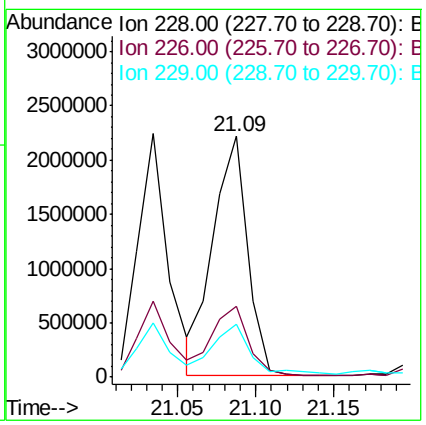


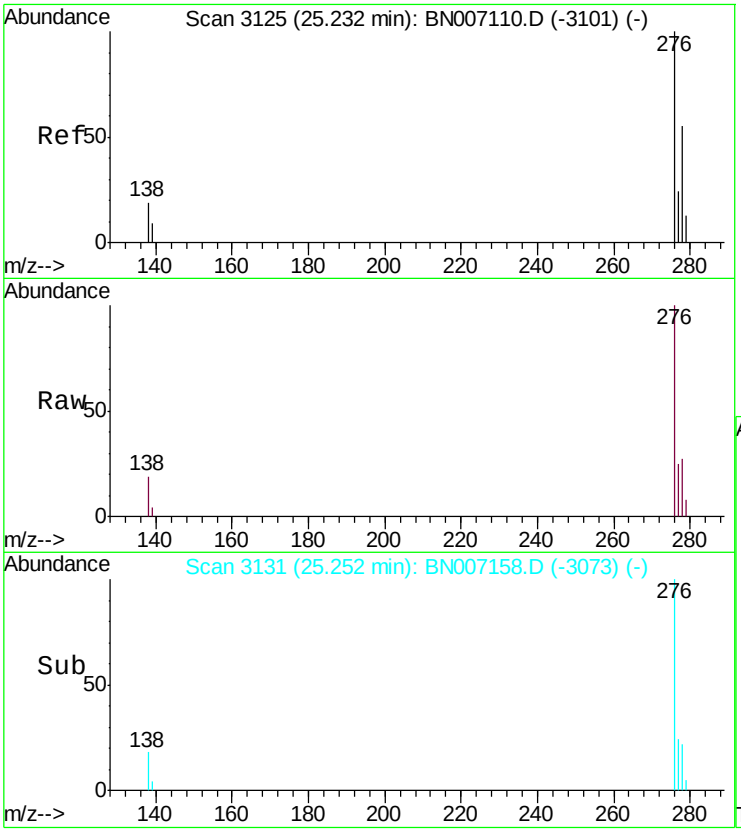


#30
Chrysene
Concen: 22.110 ng
RT: 21.09 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Tgt Ion:228 Resp: 3386921

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.8	35.6
229	22.2	15.7	23.5



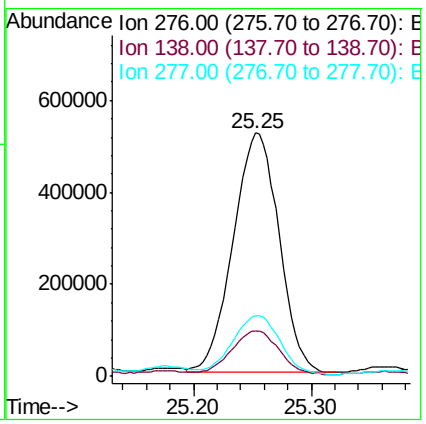


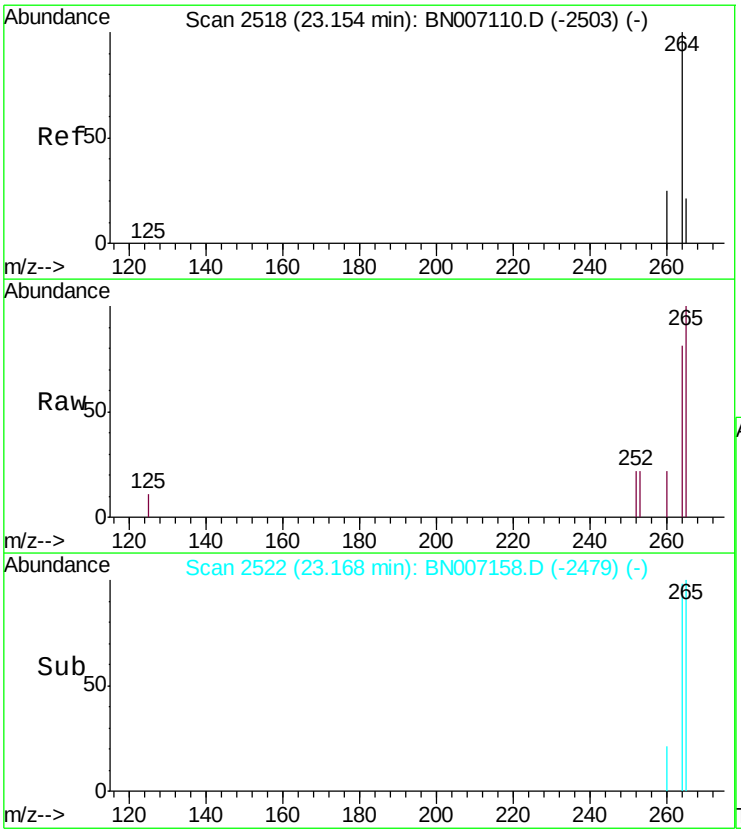
#31
Indeno(1,2,3-cd)pyrene
Concen: 8.358 ng
RT: 25.25 min Scan# 3131
Delta R.T. -0.00 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Instrument :
BNA_N
ClientSampleId :
PST-034-B231-080519

Tgt Ion:276 Resp: 1411116

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

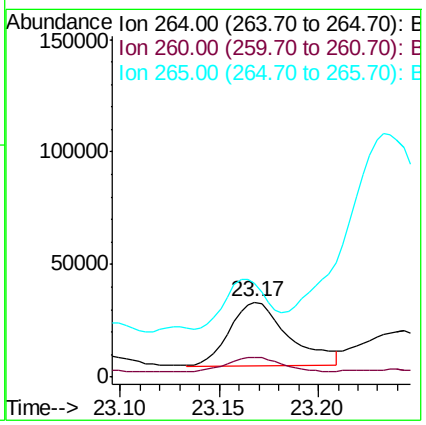


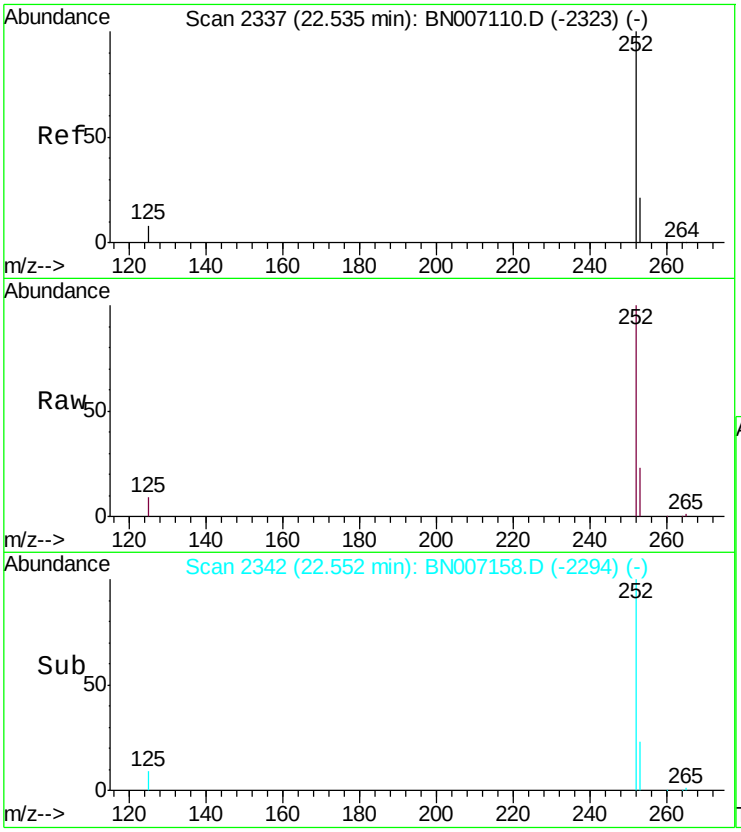


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.17 min Scan# 2522
Delta R.T. -0.00 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Tgt Ion:264 Resp: 58707

Ion	Ratio	Lower	Upper
264	100		
260	26.8	19.8	29.8
265	124.1	26.2	39.4#



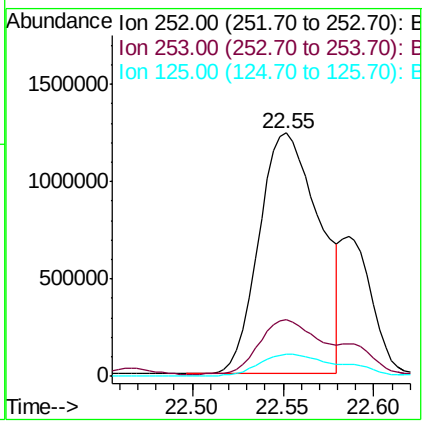


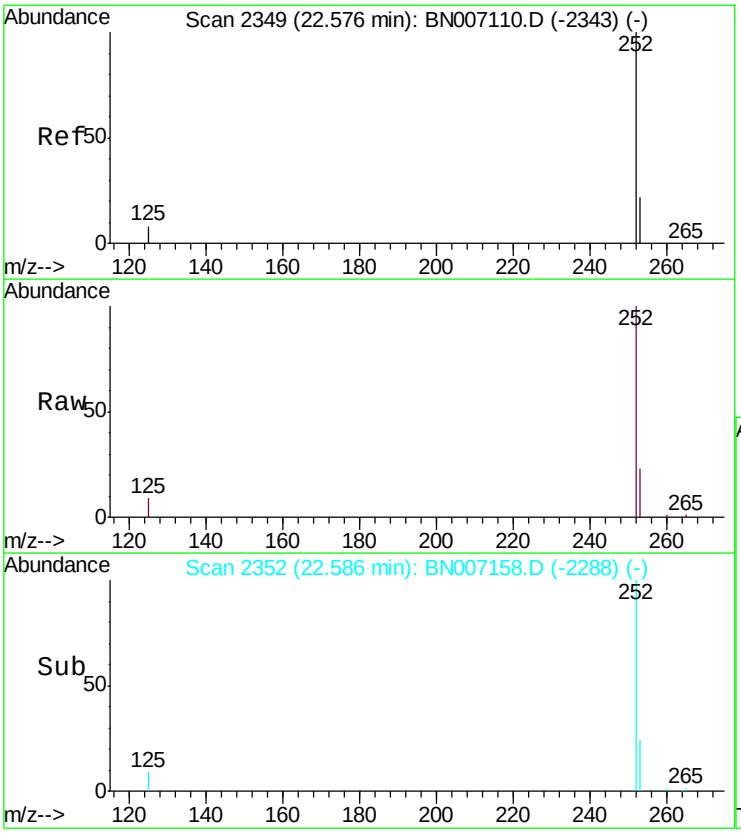
#33
Benzo(b)fluoranthene
Concen: 14.236 ng
RT: 22.55 min Scan# 2342
Delta R.T. 0.00 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Instrument :
BNA_N
ClientSampleId :
PST-034-B231-080519

Tgt Ion:252 Resp: 2865768

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	9.1	7.4	11.0

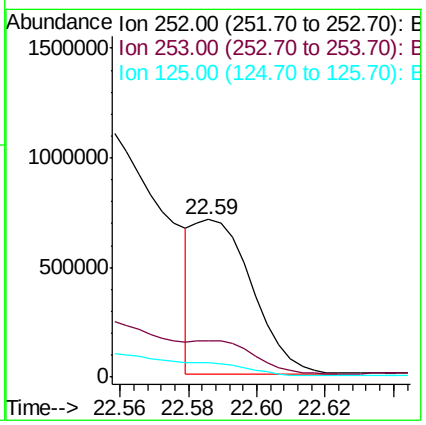


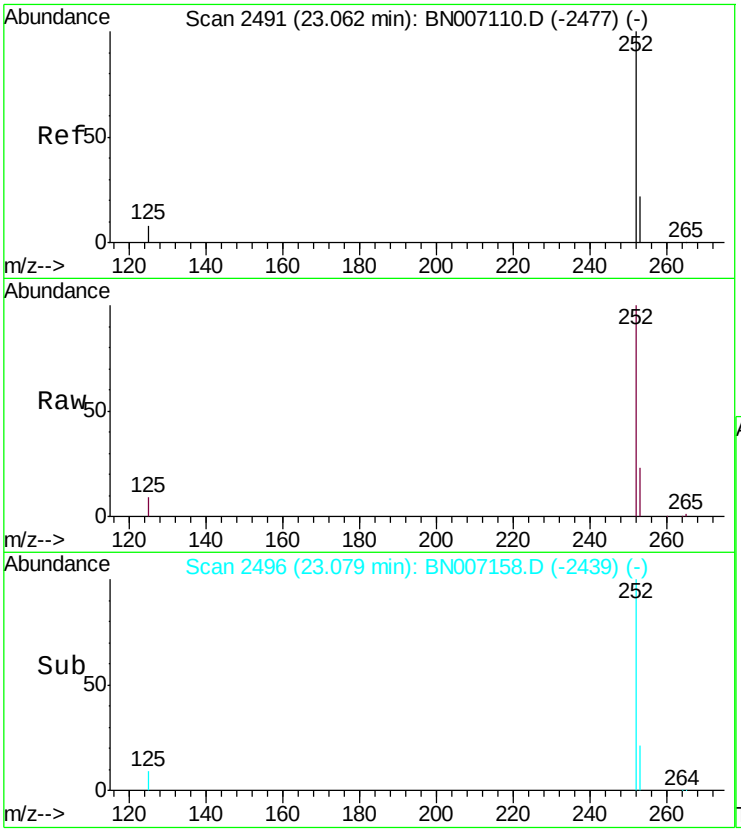


#34
Benzo(k)fluoranthene
Concen: 4.216 ng m
RT: 22.59 min Scan# 2352
Delta R.T. -0.00 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Tgt Ion:252 Resp: 838258

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	8.8	7.4	11.0



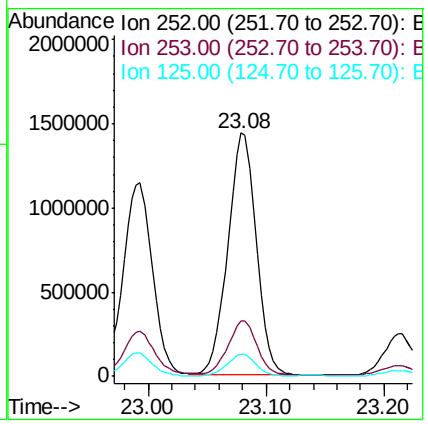


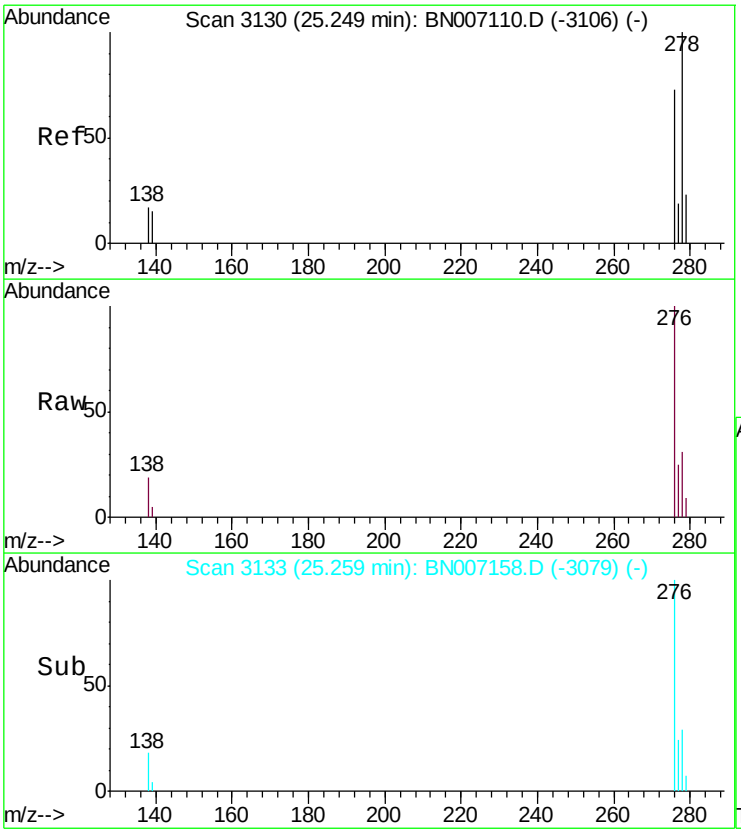
#35
Benzo(a)pyrene
Concen: 13.152 ng
RT: 23.08 min Scan# 2496
Delta R.T. -0.00 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Instrument :
BNA_N
ClientSampleId :
PST-034-B231-080519

Tgt Ion:252 Resp: 2400262

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.5	27.7
125	9.2	8.2	12.4

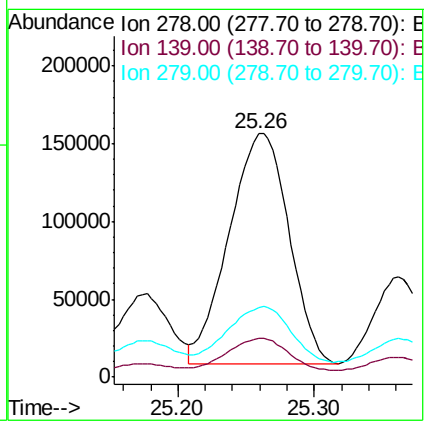


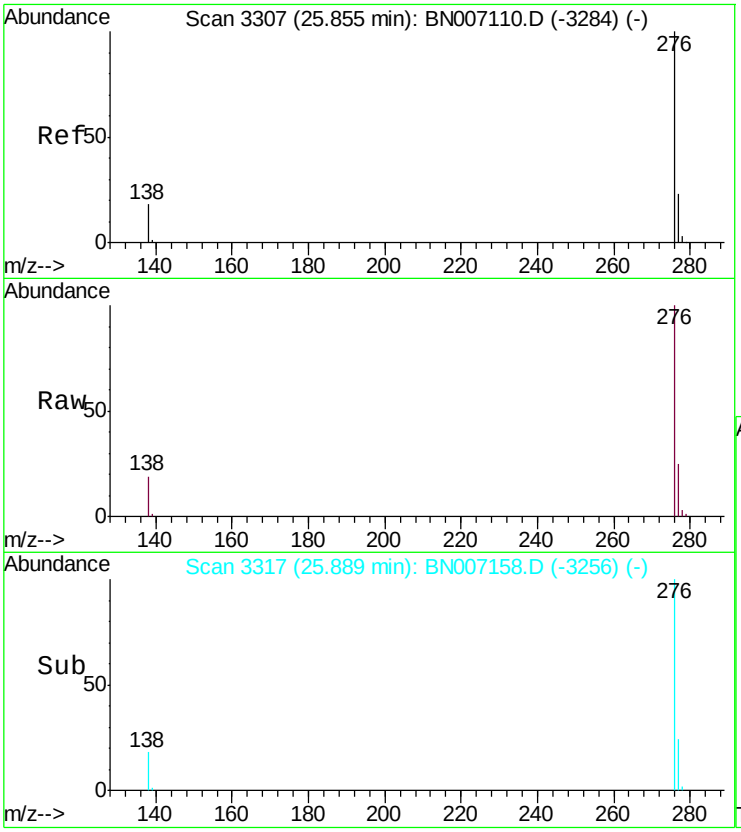


#36
Dibenzo(a,h)anthracene
Concen: 2.486 ng
RT: 25.26 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Tgt Ion:278 Resp: 452616

Ion	Ratio	Lower	Upper
278	100		
139	15.9	11.3	16.9
279	28.7	19.3	28.9





#37
Benzo(g,h,i)perylene
Concen: 9.079 ng
RT: 25.89 min Scan# 3317
Delta R.T. 0.01 min
Lab File: BN007158.D
Acq: 14 Aug 2019 08:09

Instrument :
BNA_N
ClientSampleId :
PST-034-B231-080519

Tgt Ion:276 Resp: 1700631

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.8	29.8
138	18.5	14.6	22.0