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

Quantitation Report (QT Reviewed)

Data File : BN007182.D
Acq On : 15 Aug 2019 02:29
Operator : HP/JU
Sample : K4282-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : EXT-009-SW150-080819

Quant Time: Aug 15 11:49:52 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	7991	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	28678	0.40	ng		0.00
12) Acenaphthene-d10	14.08	164	15289	0.40	ng		0.00
18) Phenanthrene-d10	16.82	188	34399	0.40	ng		0.00
26) Chrysene-d12	21.05	240	34829	0.40	ng		-0.01
32) Perylene-d12	23.16	264	39547	0.40	ng		-0.01
System Monitoring Compounds							
3) 2-Fluorophenol	5.06	112	8837	0.46	ng		0.00
4) Phenol-d6	6.61	99	11513	0.48	ng		0.00
7) Nitrobenzene-d5	8.55	82	8235	0.36	ng		-0.01
10) 2-Methylnaphthalene-d10	11.78	152	17212	0.32	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	2688	0.33	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	2342	0.11	ng		0.00
24) Fluoranthene-d10	18.87	212	33223	0.27	ng		0.00
28) Terphenyl-d14	19.49	244	23232	0.24	ng		-0.01
Target Compounds							Qvalue
8) Naphthalene	10.24	128	2387	0.030	ng	#	84
15) Acenaphthylene	13.79	152	13000	0.163	ng		98
17) Fluorene	15.12	166	2248	0.029	ng	#	75
22) Phenanthrene	16.87	178	31332	0.304	ng		99
23) Anthracene	16.95	178	8973	0.095	ng	#	94
25) Fluoranthene	18.90	202	107286	0.814	ng		100
27) Pyrene	19.26	202	100240	0.821	ng		97
29) Benzo(a)anthracene	21.02	228	71033m	0.558	ng		
30) Chrysene	21.08	228	70114	0.567	ng		96
31) Indeno(1,2,3-cd)pyrene	25.23	276	45178	0.331	ng		98
33) Benzo(b)fluoranthene	22.53	252	94860	0.700	ng		97
34) Benzo(k)fluoranthene	22.57	252	36029m	0.269	ng		
35) Benzo(a)pyrene	23.06	252	66071	0.537	ng		97
36) Dibenzo(a,h)anthracene	25.24	278	12317	0.100	ng	#	76
37) Benzo(g,h,i)perylene	25.86	276	40700	0.323	ng		96

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

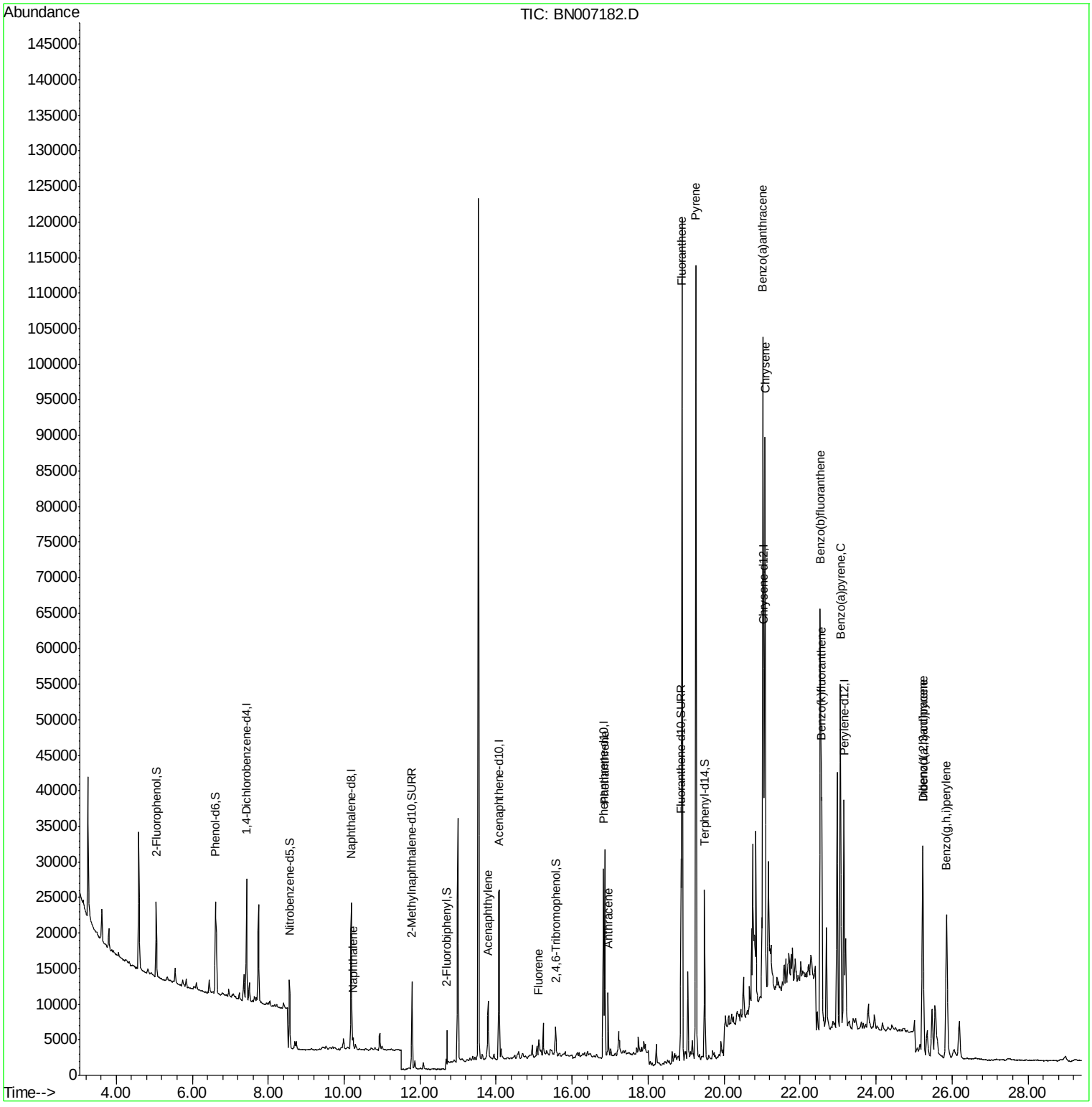
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081419\

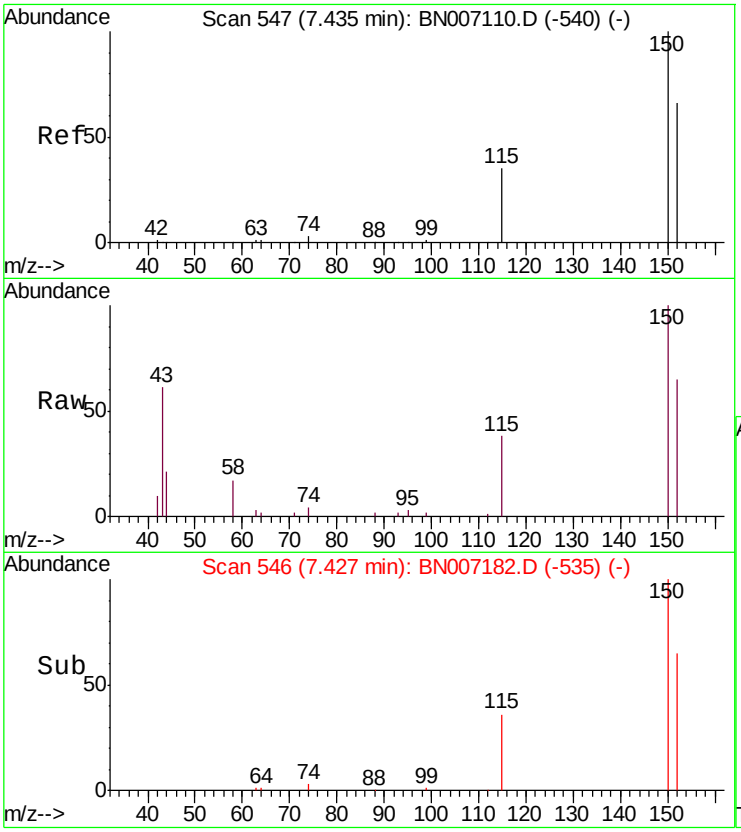
Quantitation Report (QT Reviewed)

Data File : BN007182.D
Acq On : 15 Aug 2019 02:29
Operator : HP/JU
Sample : K4282-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW150-080819

Quant Time: Aug 15 11:49:52 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



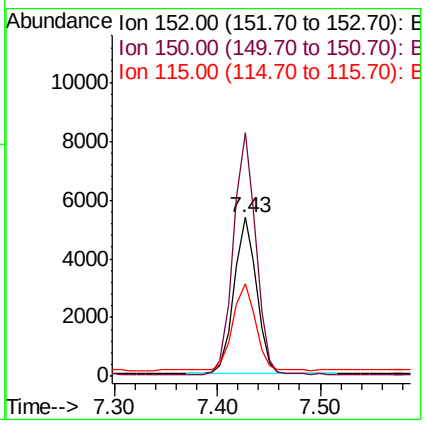


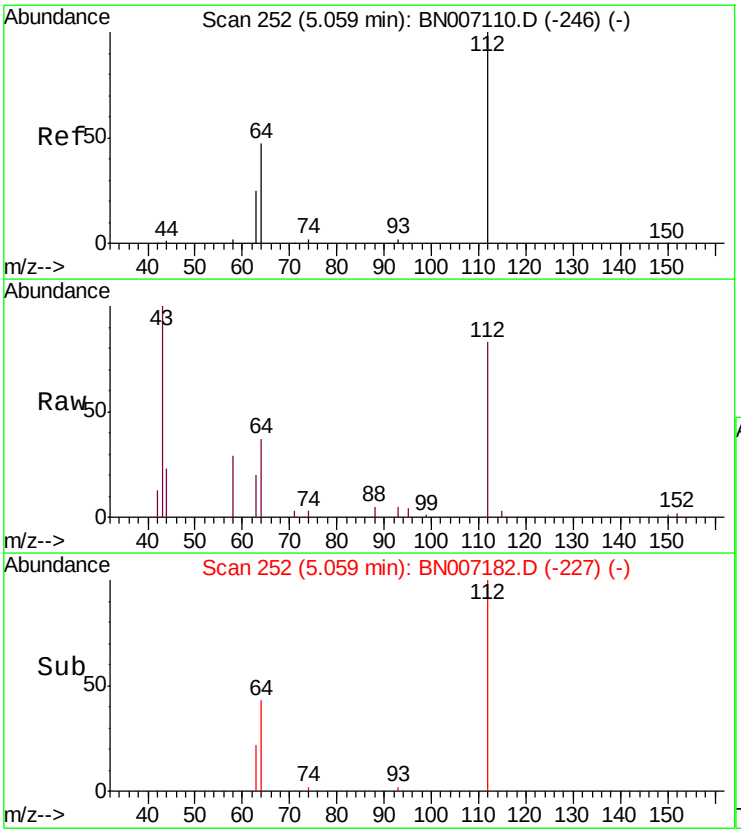
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW150-080819

Tgt Ion:152 Resp: 7991

Ion	Ratio	Lower	Upper
152	100		
150	153.3	121.7	182.5
115	58.1	46.2	69.4

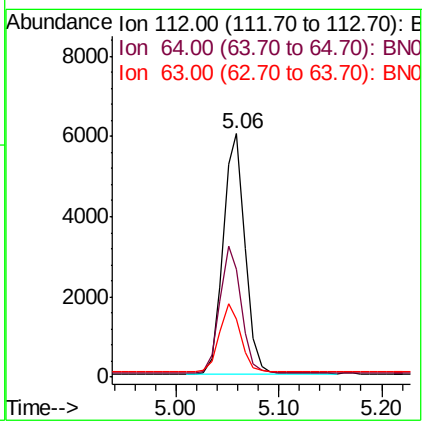


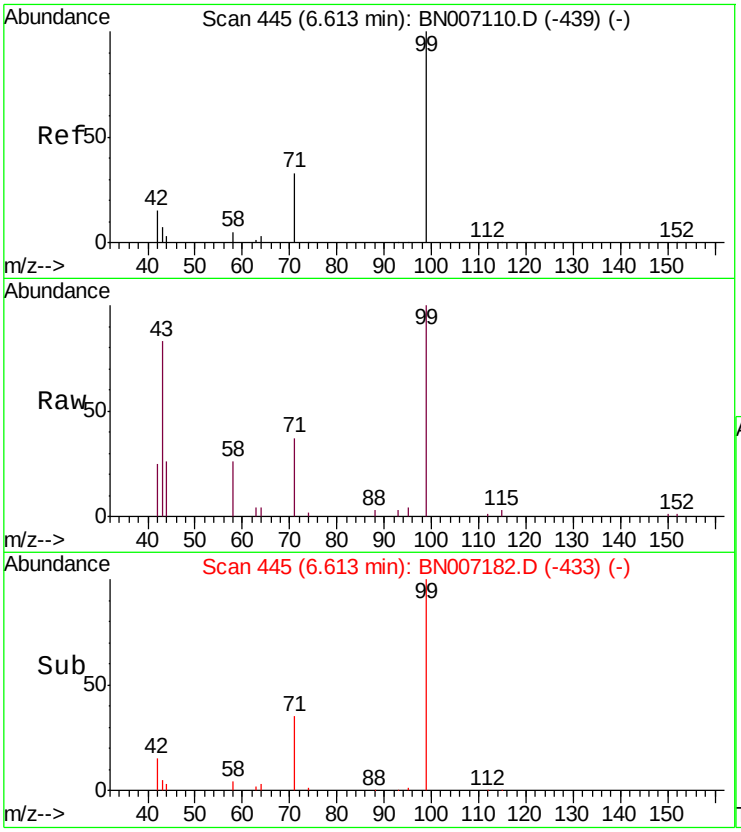


#3
2-Fluorophenol
Concen: 0.460 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Tgt Ion:112 Resp: 8837

Ion	Ratio	Lower	Upper
112	100		
64	51.9	42.6	63.8
63	26.9	22.2	33.2



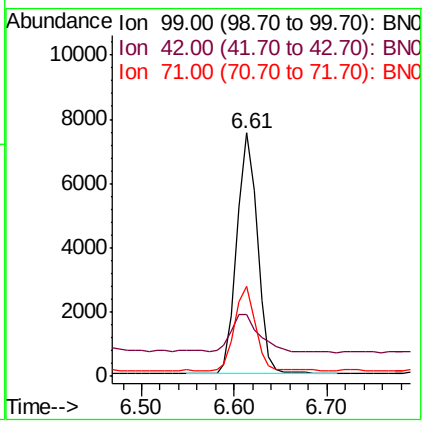


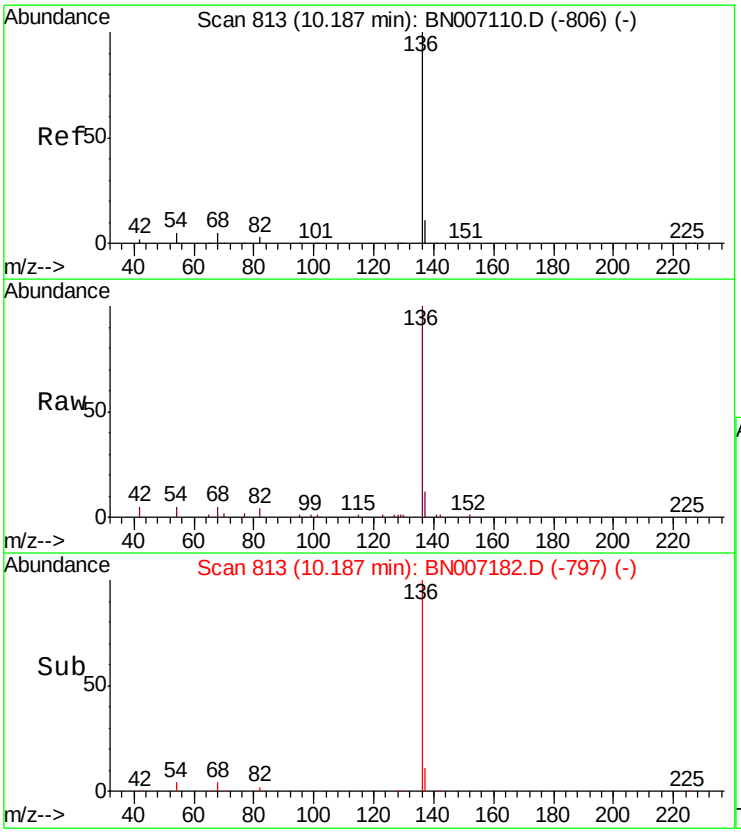
#4
Phenol-d6
Concen: 0.484 ng
RT: 6.61 min Scan# 445
Delta R.T. -0.00 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW150-080819

Tgt Ion: 99 Resp: 11513

Ion	Ratio	Lower	Upper
99	100		
42	22.0	15.8	23.6
71	34.7	27.0	40.4

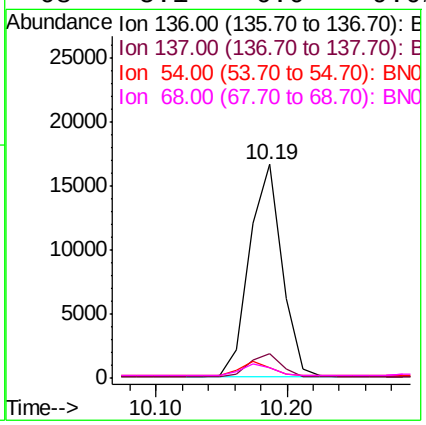


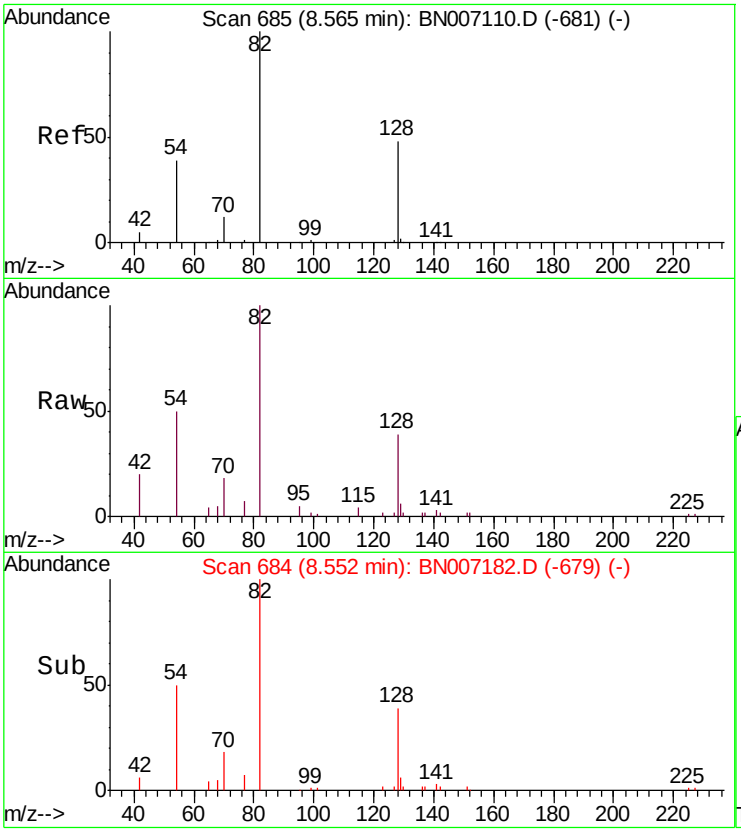


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Tgt Ion:136 Resp: 28678

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.4	14.0
54	4.9	6.6	9.8#
68	5.1	6.0	9.0#



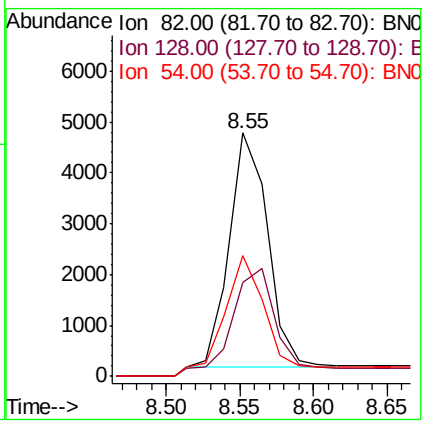


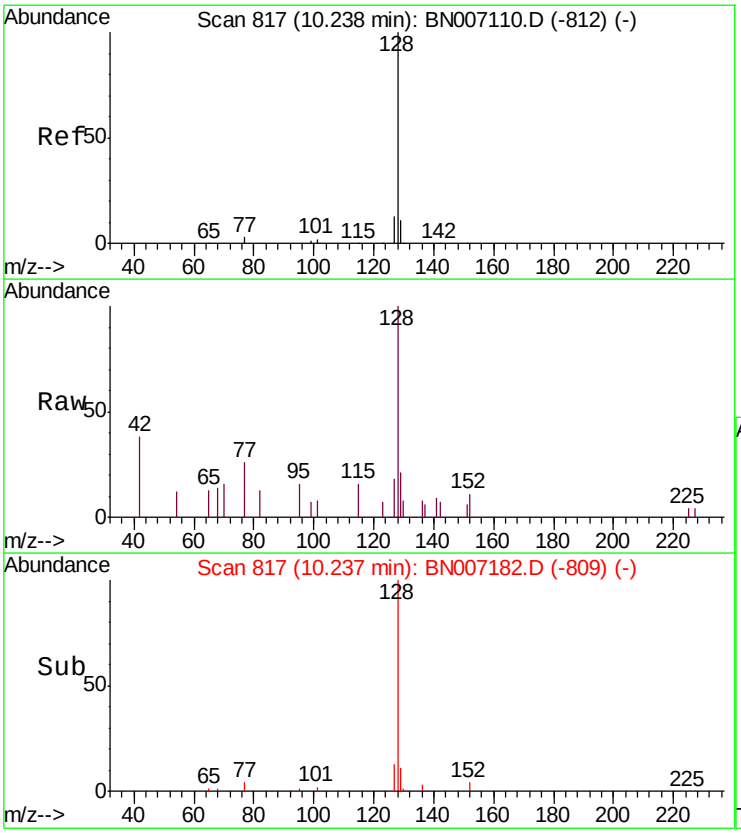
#7
Nitrobenzene-d5
Concen: 0.356 ng
RT: 8.55 min Scan# 684
Delta R.T. -0.01 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW150-080819

Tgt Ion: 82 Resp: 8235

Ion	Ratio	Lower	Upper
82	100		
128	38.6	34.6	51.8
54	49.7	36.2	54.4

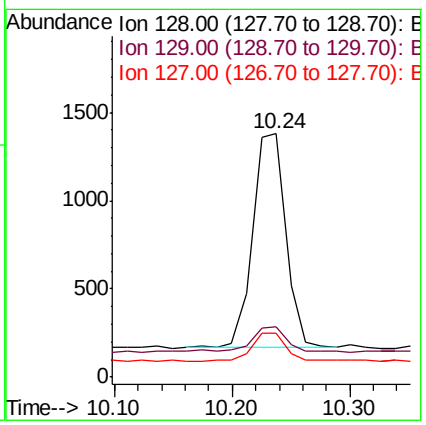


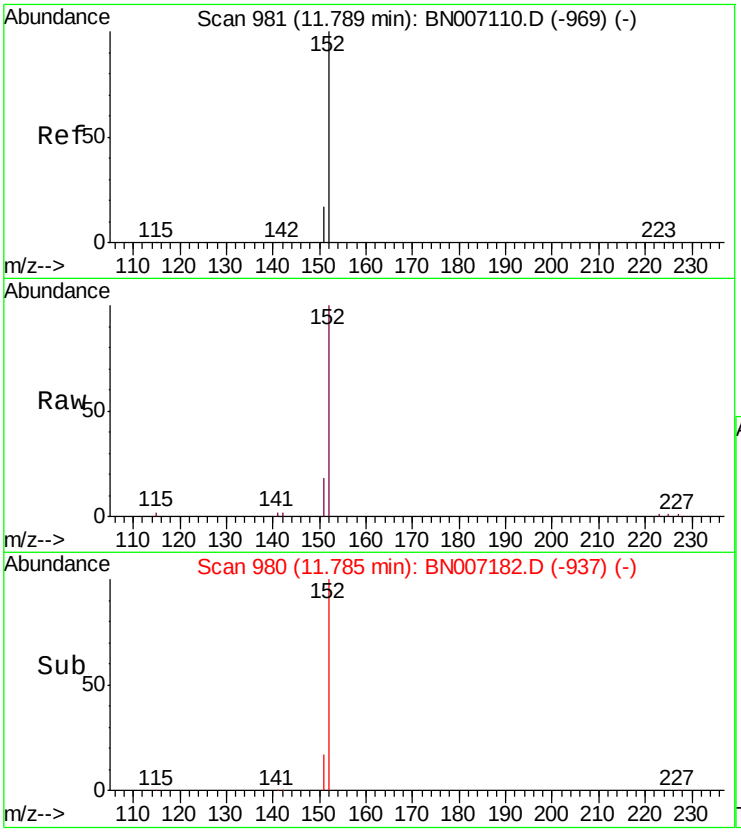


#8
Naphthalene
Concen: 0.030 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Tgt Ion:128 Resp: 2387

Ion	Ratio	Lower	Upper
128	100		
129	20.7	9.4	14.2#
127	18.2	11.0	16.6#



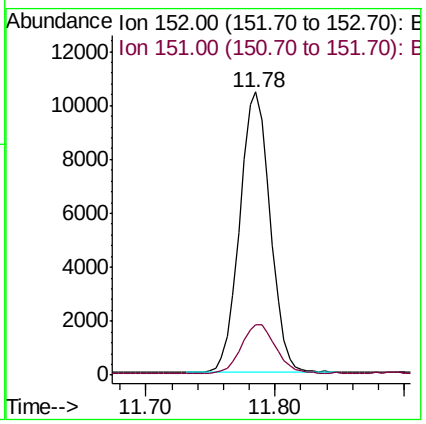


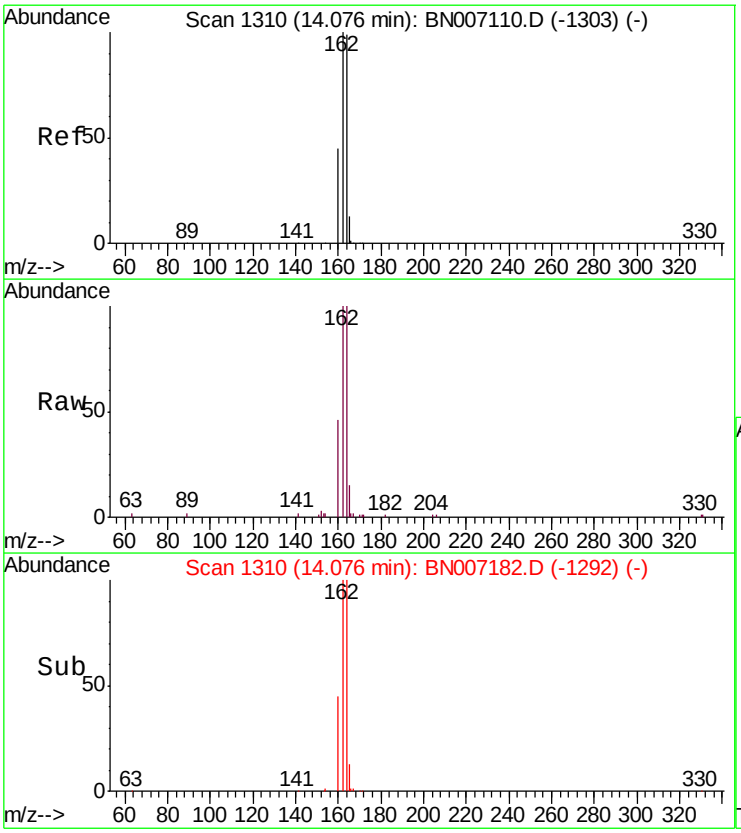
#10
2-Methylnaphthalene-d10
Concen: 0.322 ng
RT: 11.78 min Scan# 980
Delta R.T. -0.01 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW150-080819

Tgt Ion:152 Resp: 17212

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.5	23.3

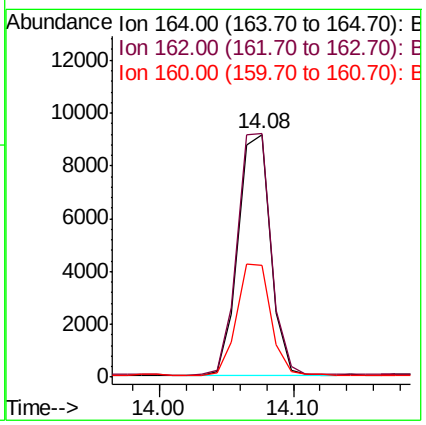


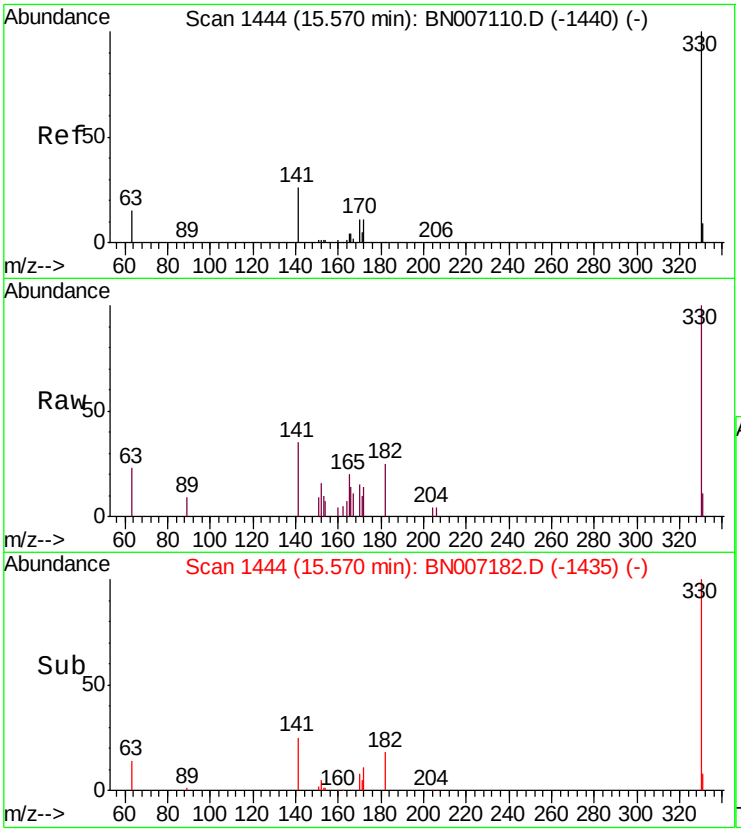


#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Tgt Ion:164 Resp: 15289

Ion	Ratio	Lower	Upper
164	100		
162	100.3	82.2	123.4
160	45.8	38.3	57.5



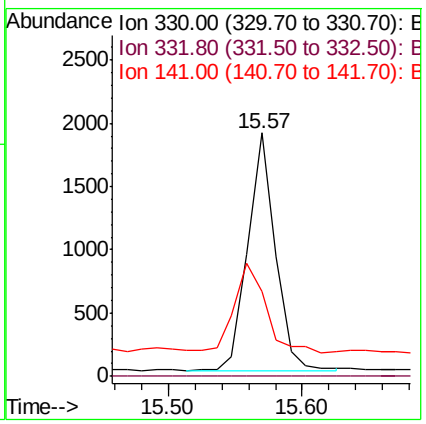


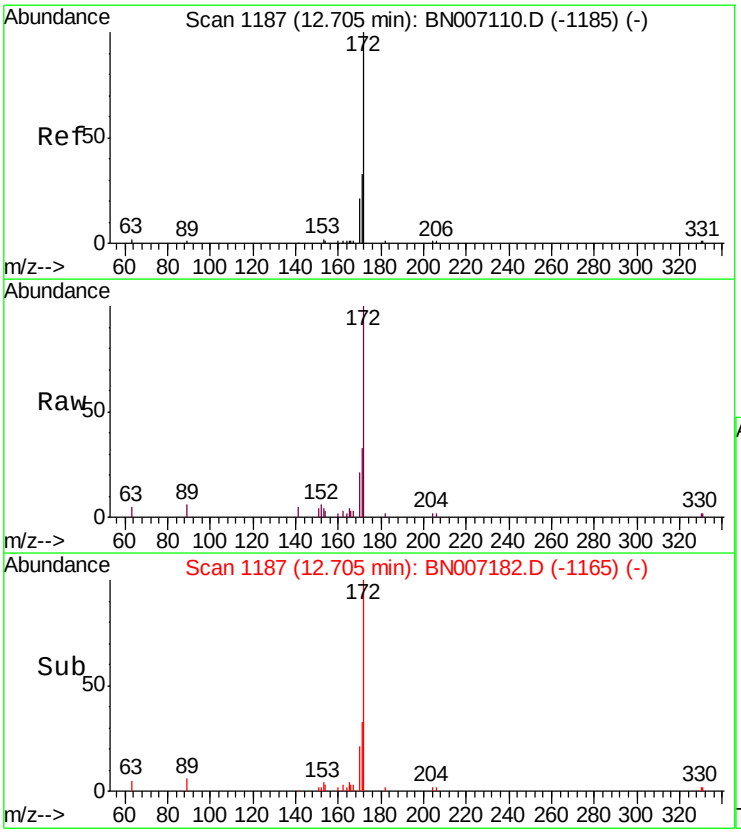
#13
2,4,6-Tribromophenol
Concen: 0.326 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW150-080819

Tgt Ion:330 Resp: 2688

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	42.9	33.6	50.4

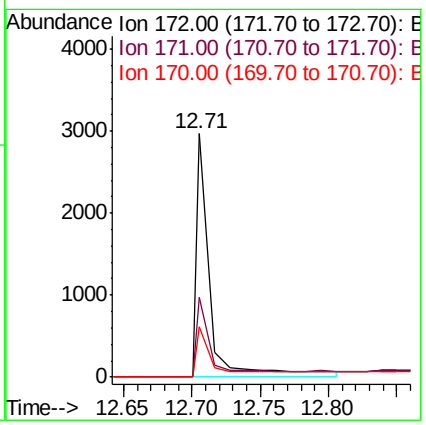


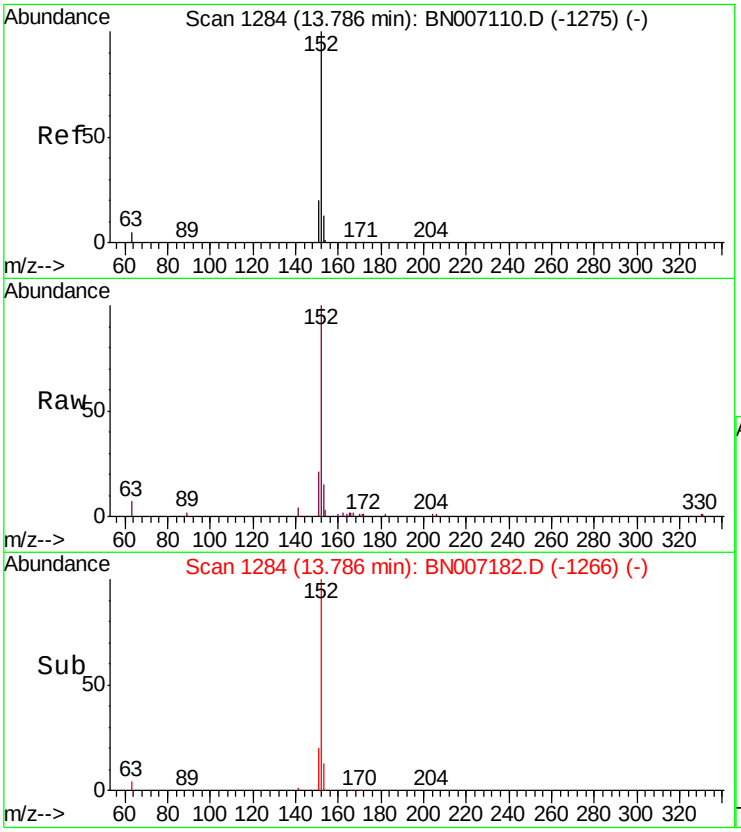


#14
2-Fluorobiphenyl
Concen: 0.105 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Tgt Ion:172 Resp: 2342

Ion	Ratio	Lower	Upper
172	100		
171	32.7	26.3	39.5
170	20.7	17.0	25.4



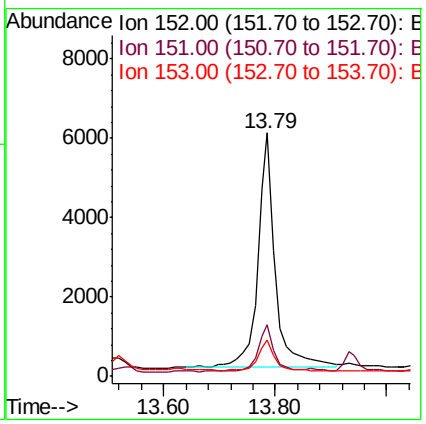


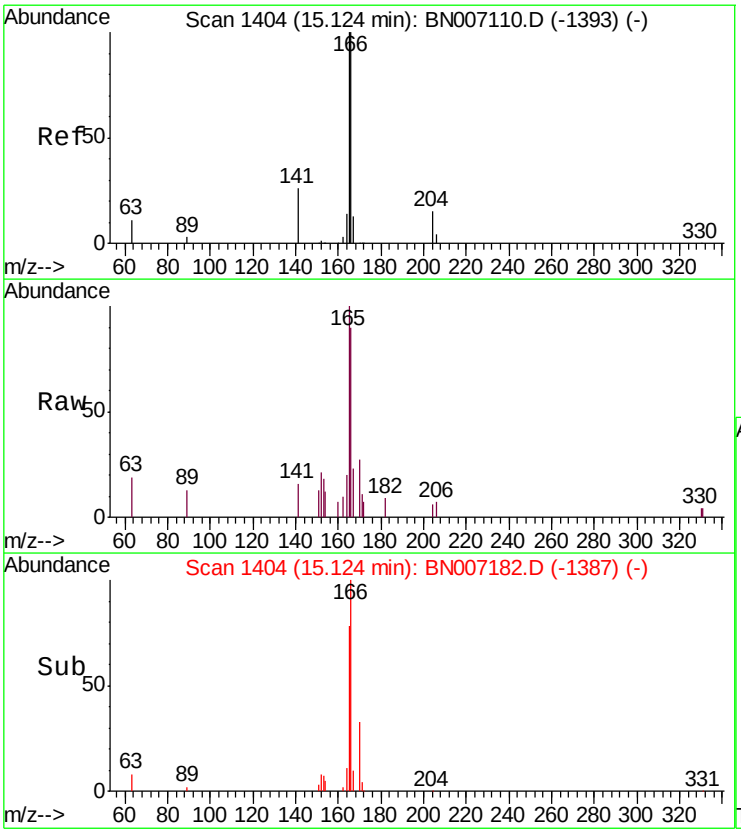
#15
Acenaphthylene
Concen: 0.163 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW150-080819

Tgt Ion:152 Resp: 13000

Ion	Ratio	Lower	Upper
152	100		
151	18.7	15.8	23.6
153	12.7	10.4	15.6

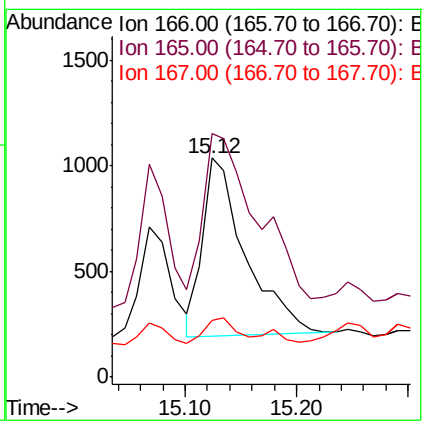


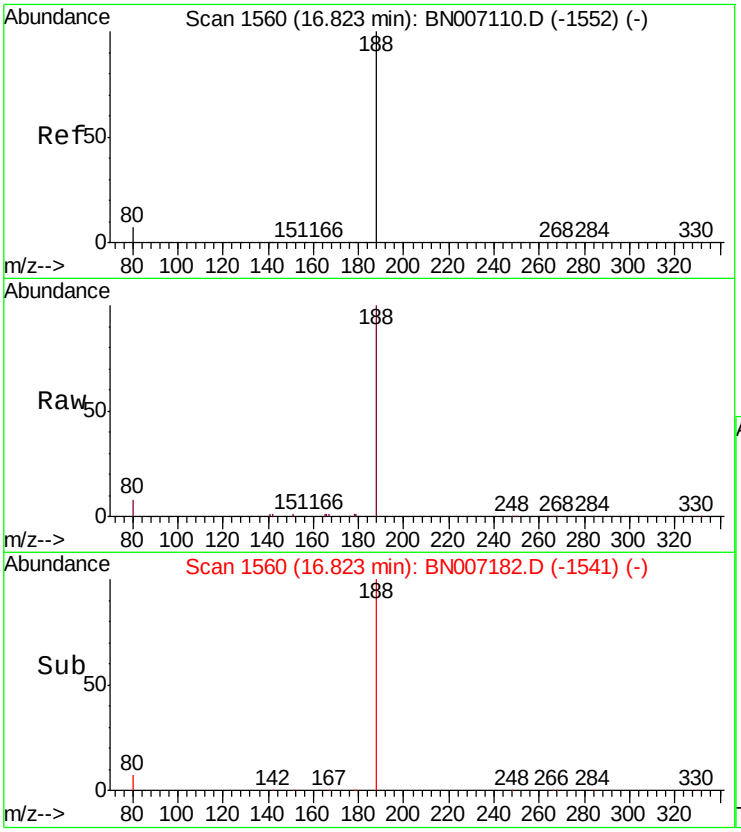


#17
Fluorene
Concen: 0.029 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Tgt Ion:166 Resp: 2248

Ion	Ratio	Lower	Upper
166	100		
165	124.6	77.9	116.9#
167	10.5	10.9	16.3#



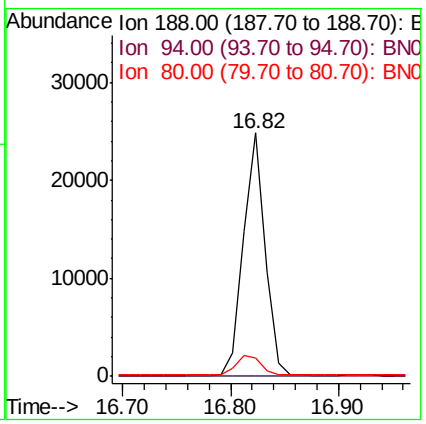


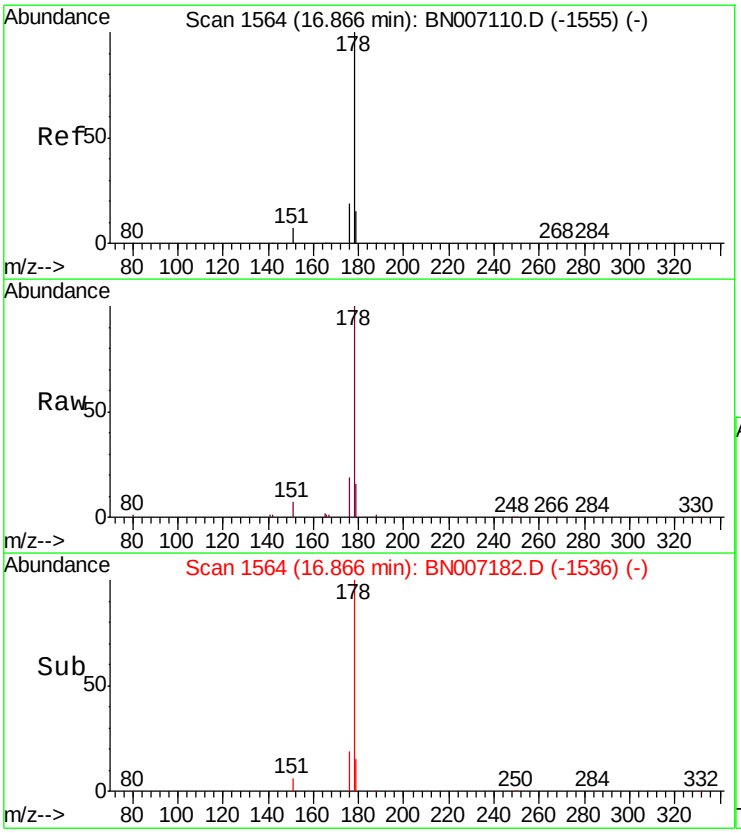
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW150-080819

Tgt Ion:188 Resp: 34399

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.5	7.8	11.6#

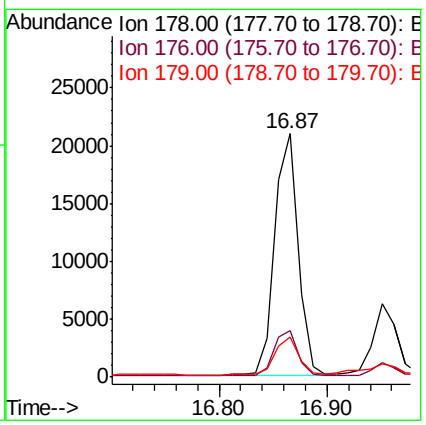


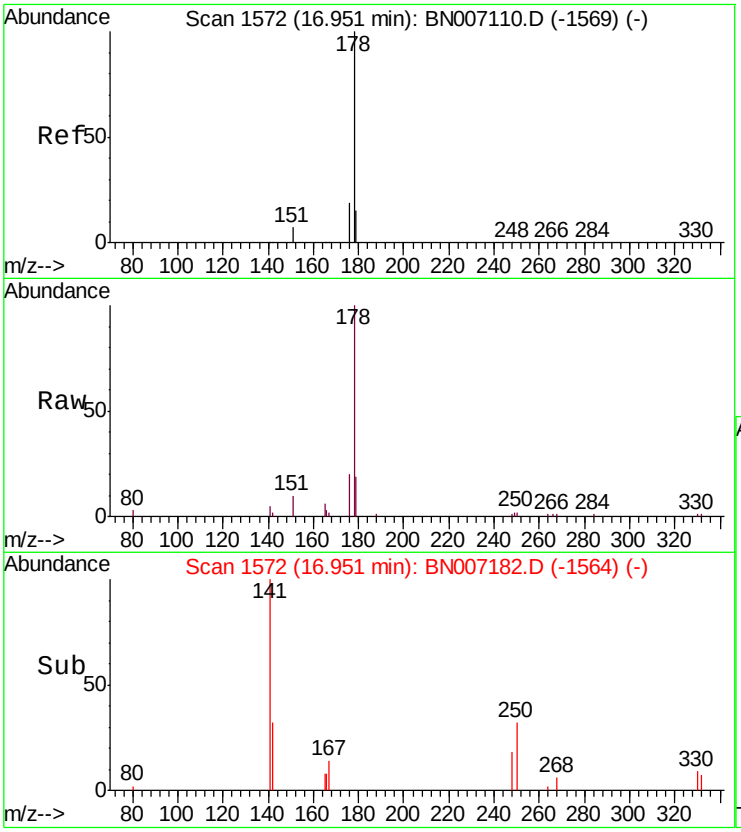


#22
Phenanthrene
Concen: 0.304 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Tgt Ion:178 Resp: 31332

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.2	22.8
179	15.8	12.3	18.5



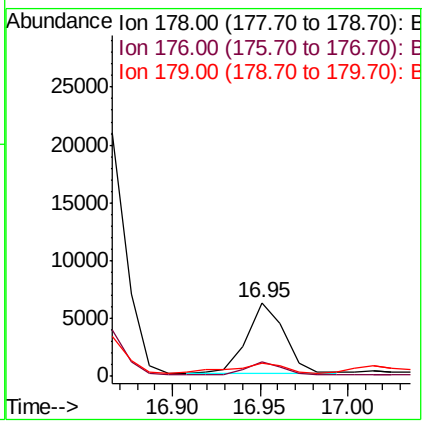


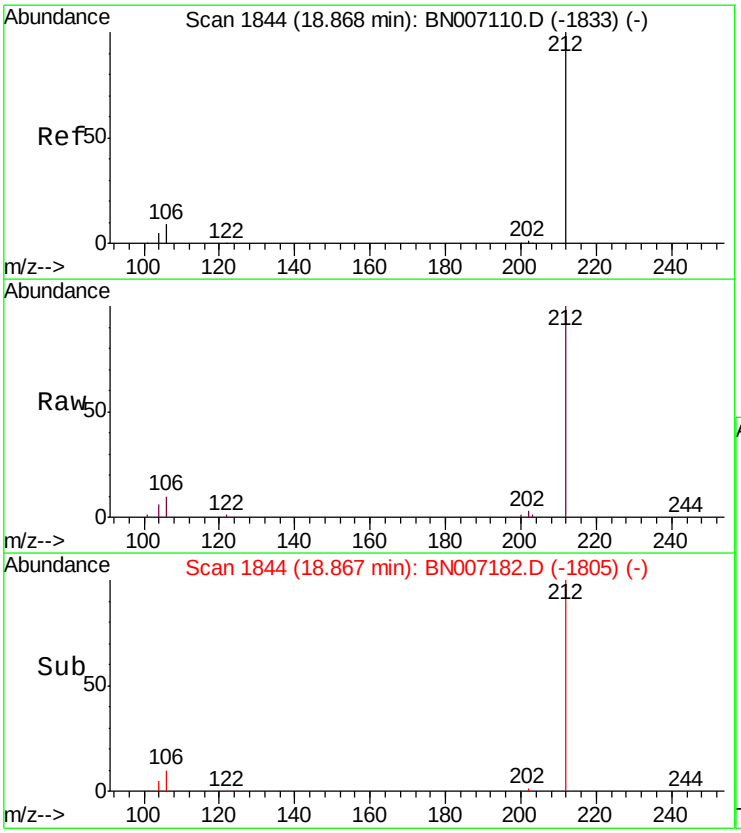
#23
Anthracene
Concen: 0.095 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW150-080819

Tgt Ion:178 Resp: 8973

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	21.8
179	20.7	12.5	18.7#

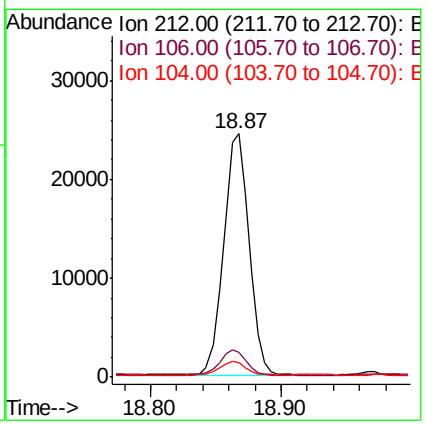


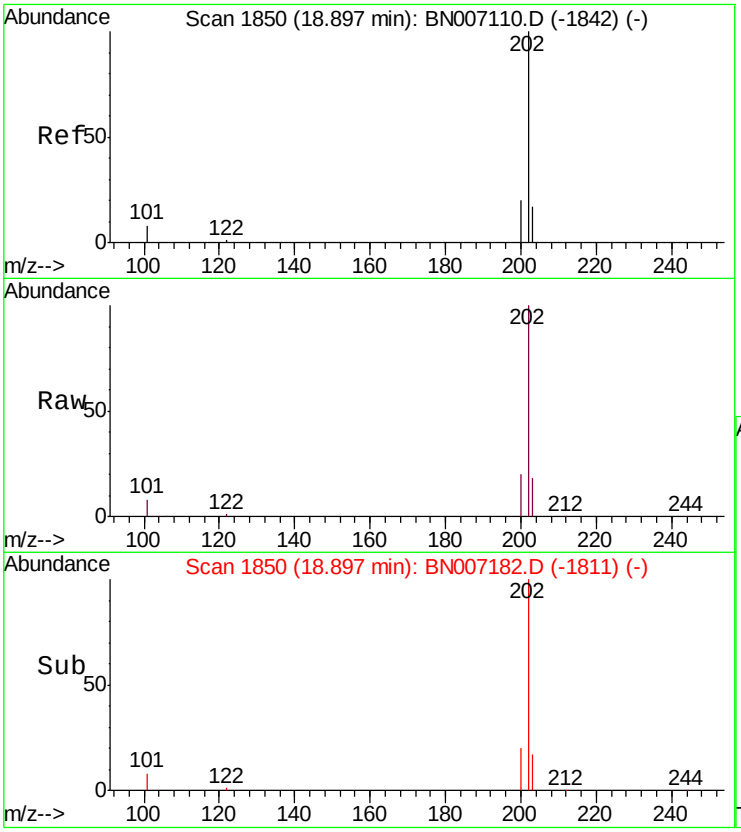


#24
Fluoranthene-d10
Concen: 0.272 ng
RT: 18.87 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Tgt Ion:212 Resp: 33223

Ion	Ratio	Lower	Upper
212	100		
106	10.5	8.2	12.2
104	5.7	4.5	6.7



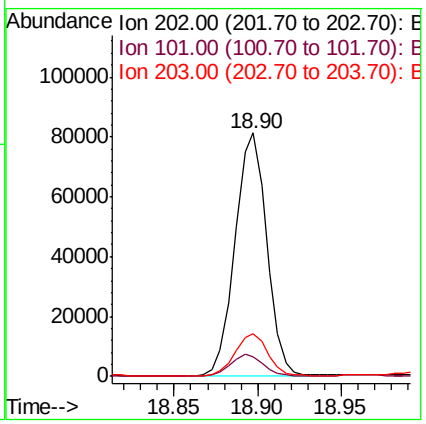


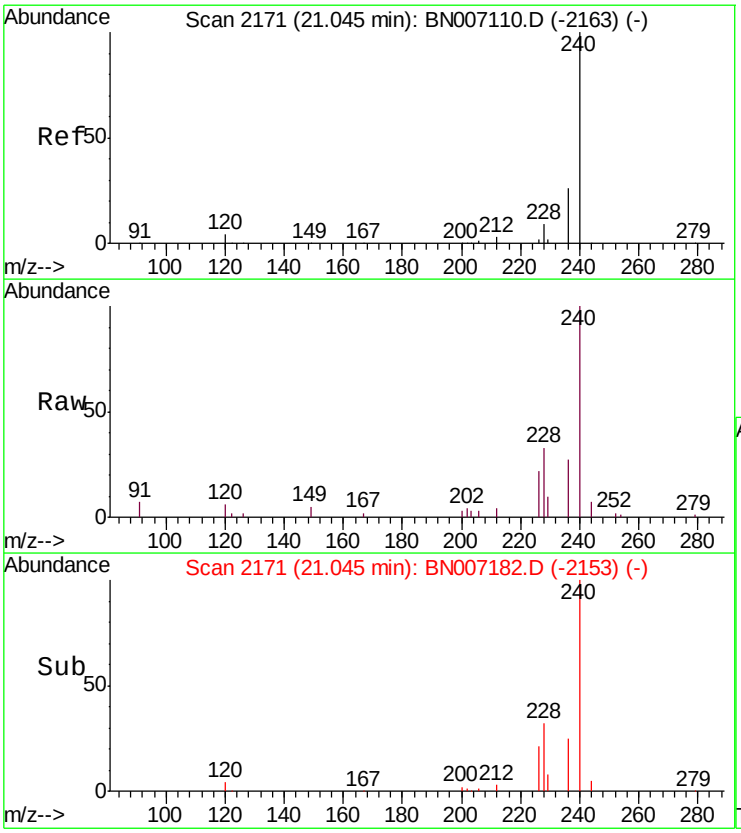
#25
Fluoranthene
Concen: 0.814 ng
RT: 18.90 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW150-080819

Tgt Ion:202 Resp: 107286

Ion	Ratio	Lower	Upper
202	100		
101	8.9	7.0	10.4
203	17.4	13.8	20.8

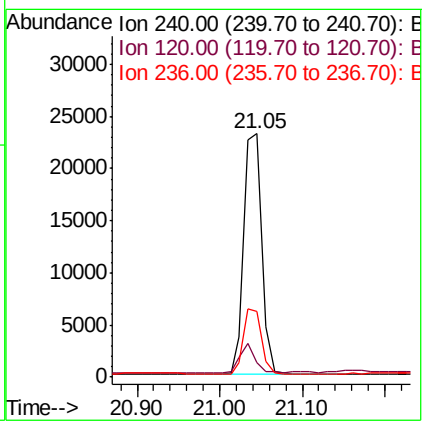


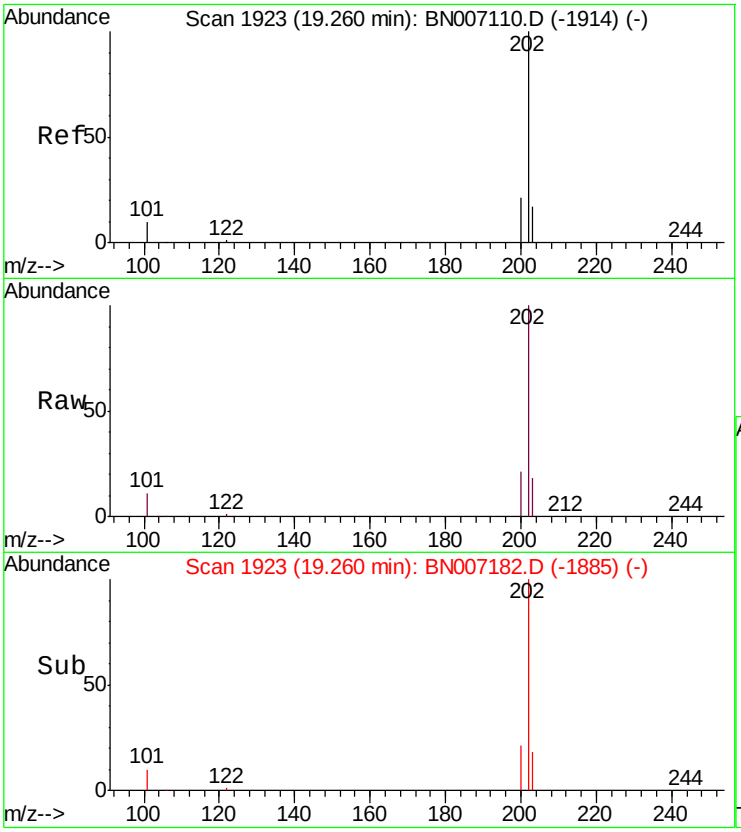


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Tgt Ion:240 Resp: 34829

Ion	Ratio	Lower	Upper
240	100		
120	5.7	4.0	6.0
236	26.8	21.3	31.9



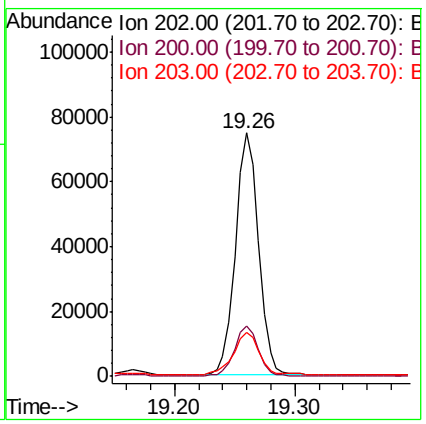


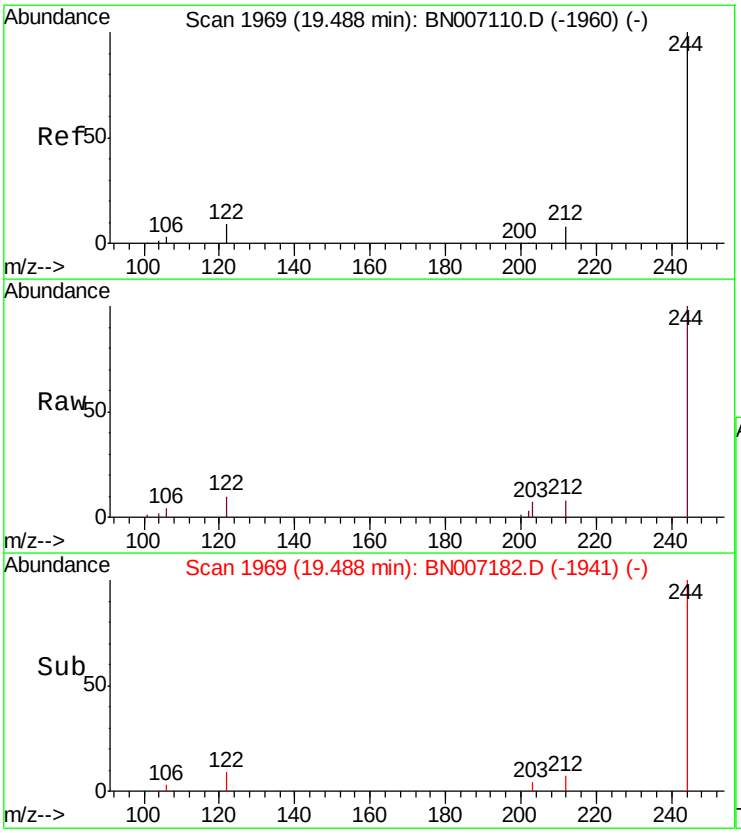
#27
Pyrene
Concen: 0.821 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW150-080819

Tgt Ion:202 Resp: 100240

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	24.8
203	20.8	14.0	21.0

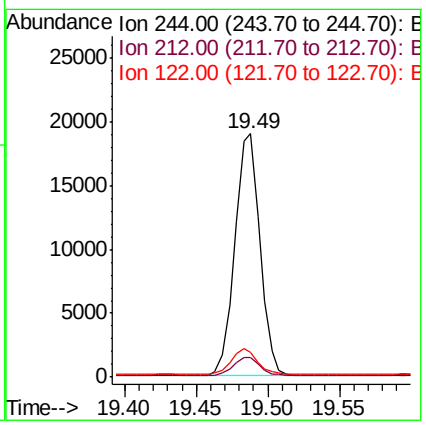


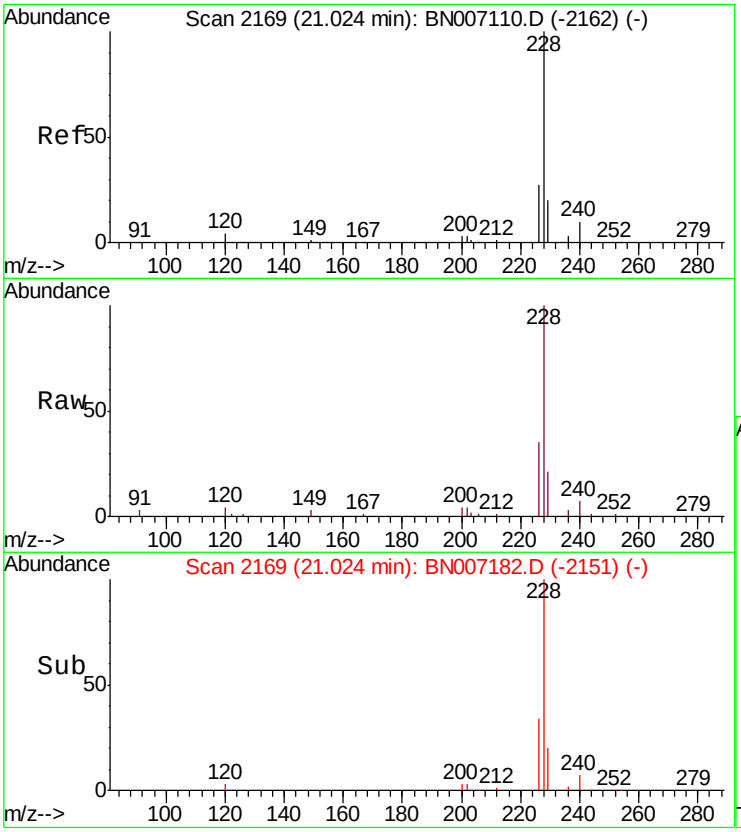


#28
Terphenyl-d14
Concen: 0.245 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Tgt Ion:244 Resp: 23232

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.2
122	9.9	7.4	11.2



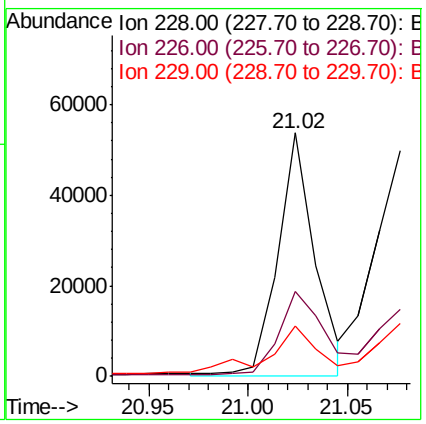


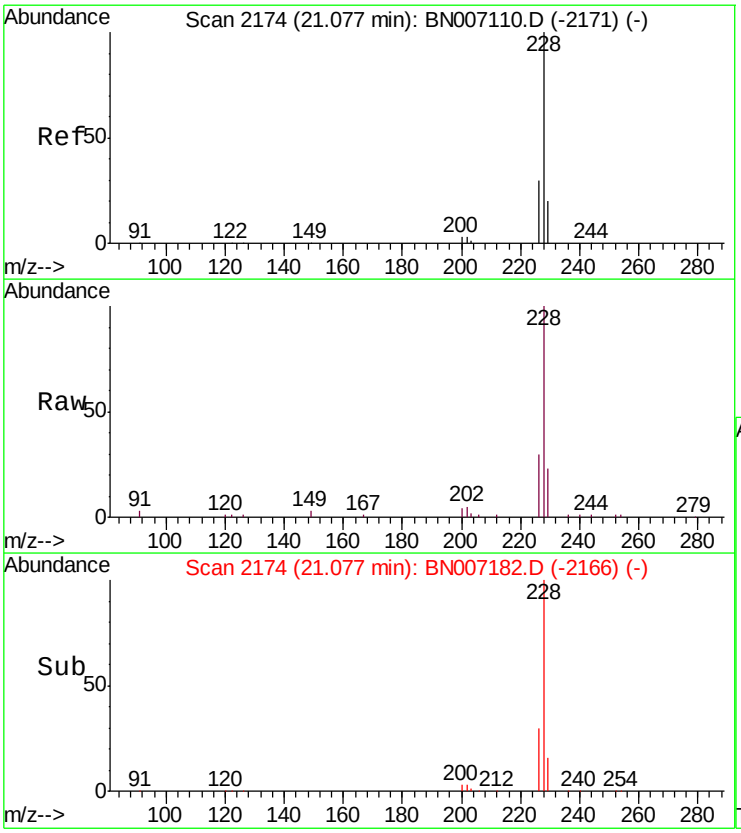
#29
Benzo(a)anthracene
Concen: 0.558 ng m
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW150-080819

Tgt Ion:228 Resp: 71033

Ion	Ratio	Lower	Upper
228	100		
226	35.0	21.8	32.6#
229	20.9	15.6	23.4

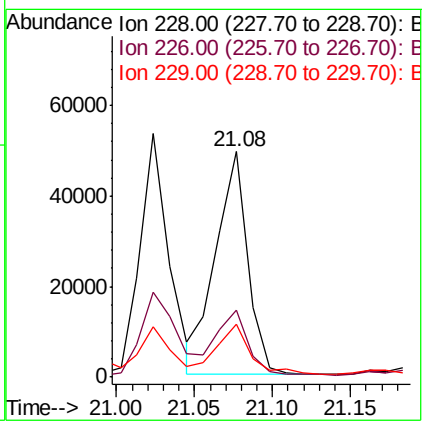


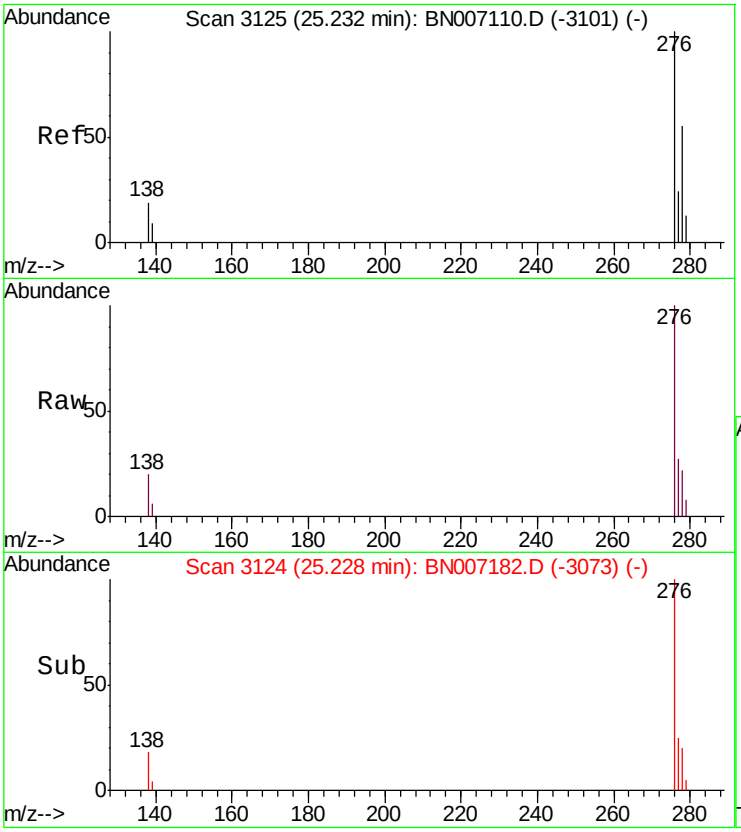


#30
Chrysene
Concen: 0.567 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Tgt Ion:228 Resp: 70114

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.8	35.6
229	23.4	15.7	23.5



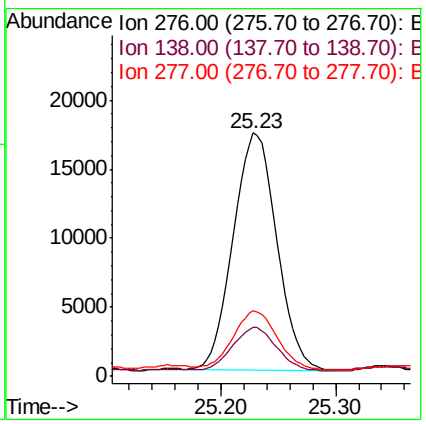


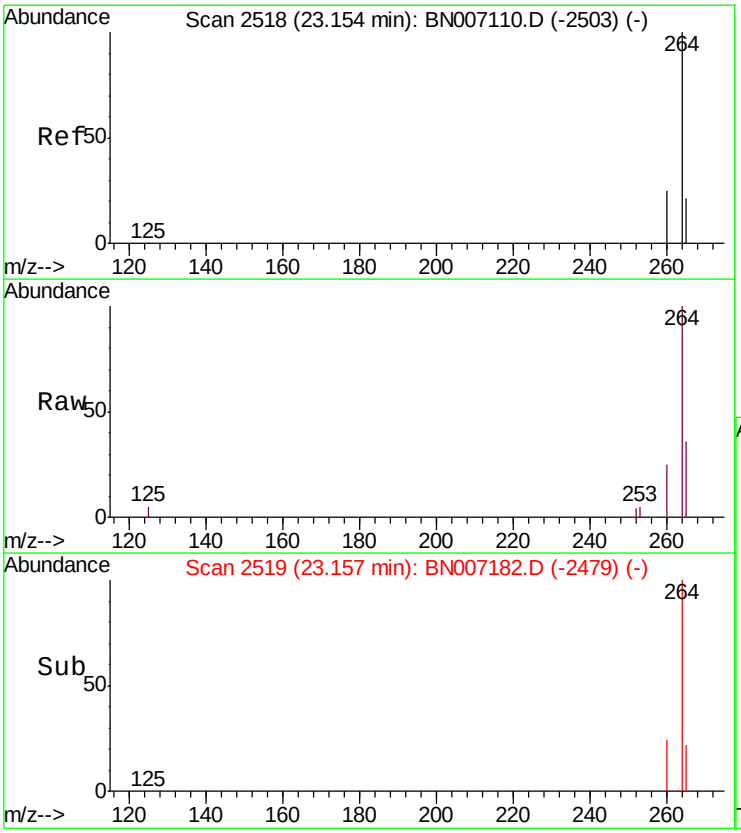
#31
Indeno(1,2,3-cd)pyrene
Concen: 0.331 ng
RT: 25.23 min Scan# 3124
Delta R.T. -0.02 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW150-080819

Tgt Ion:276 Resp: 45178

Ion	Ratio	Lower	Upper
276	100		
138	18.5	16.0	24.0
277	25.1	19.9	29.9

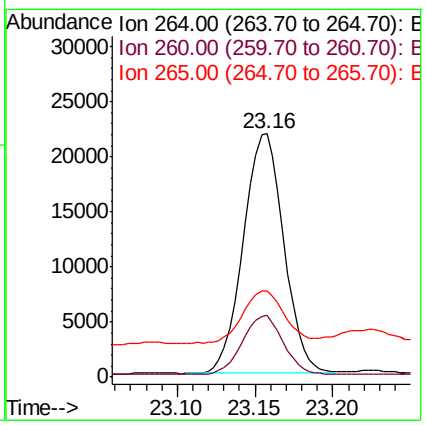


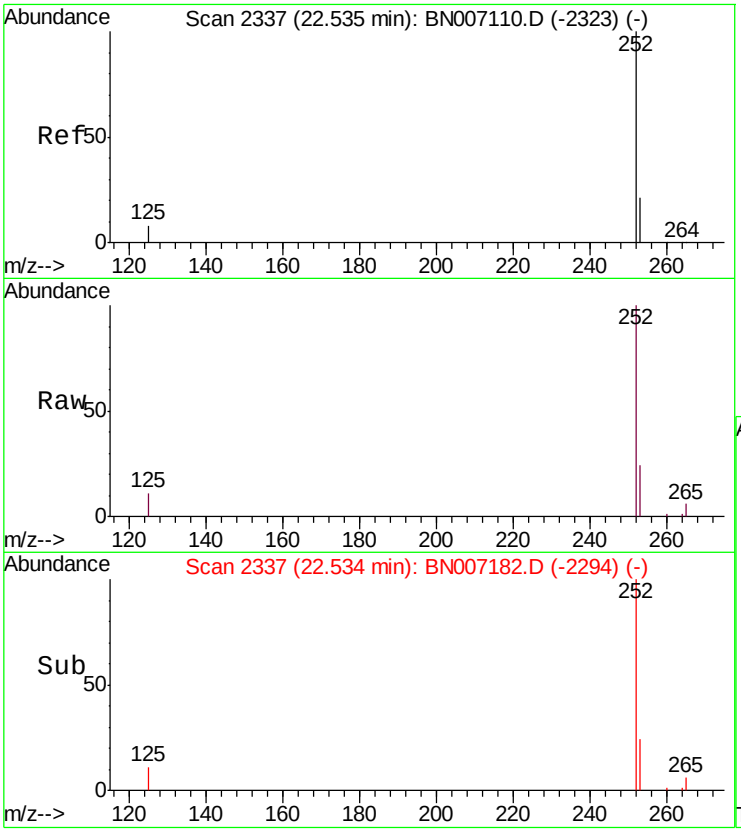


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Tgt Ion:264 Resp: 39547

Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.8	29.8
265	35.5	26.2	39.4



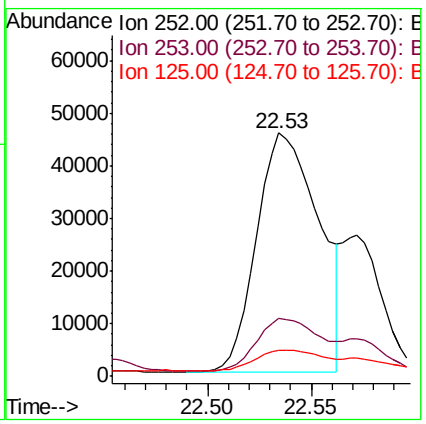


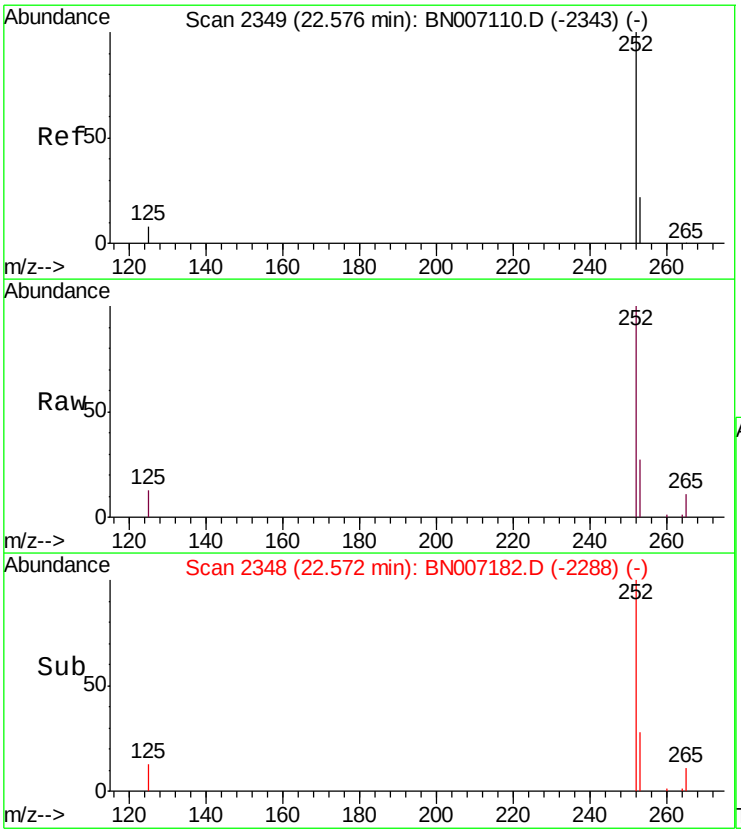
#33
Benzo(b)fluoranthene
Concen: 0.700 ng
RT: 22.53 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW150-080819

Tgt Ion:252 Resp: 94860

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.2	27.2
125	10.6	7.4	11.0

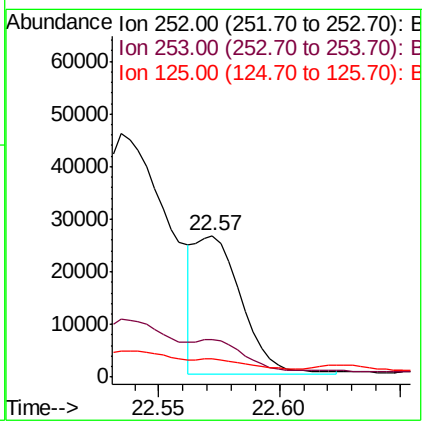


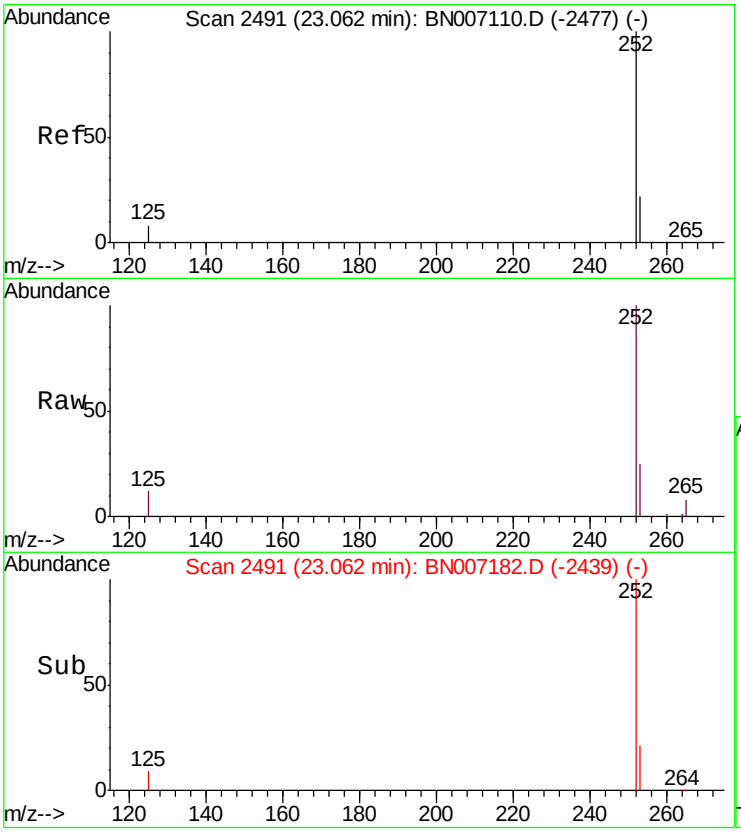


#34
Benzo(k)fluoranthene
Concen: 0.269 ng m
RT: 22.57 min Scan# 2348
Delta R.T. -0.02 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Tgt Ion:252 Resp: 36029

Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.1	27.1
125	12.7	7.4	11.0#



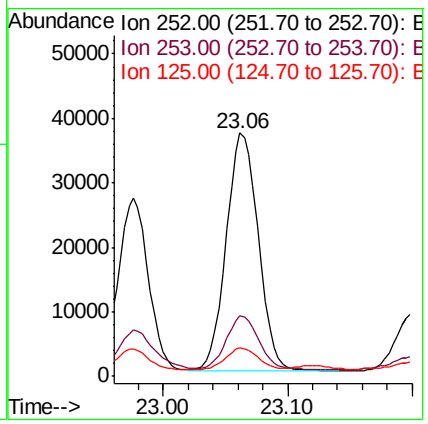


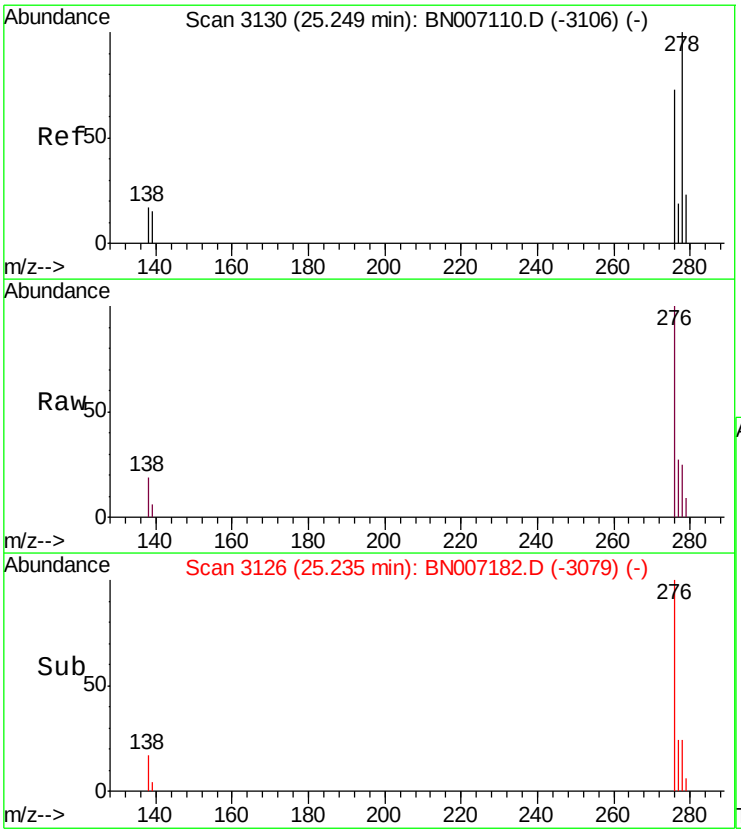
#35
Benzo(a)pyrene
Concen: 0.537 ng
RT: 23.06 min Scan# 2491
Delta R.T. -0.02 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW150-080819

Tgt Ion:252 Resp: 66071

Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.5	27.7
125	11.8	8.2	12.4

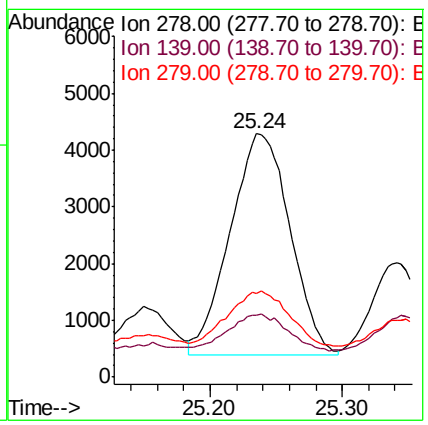


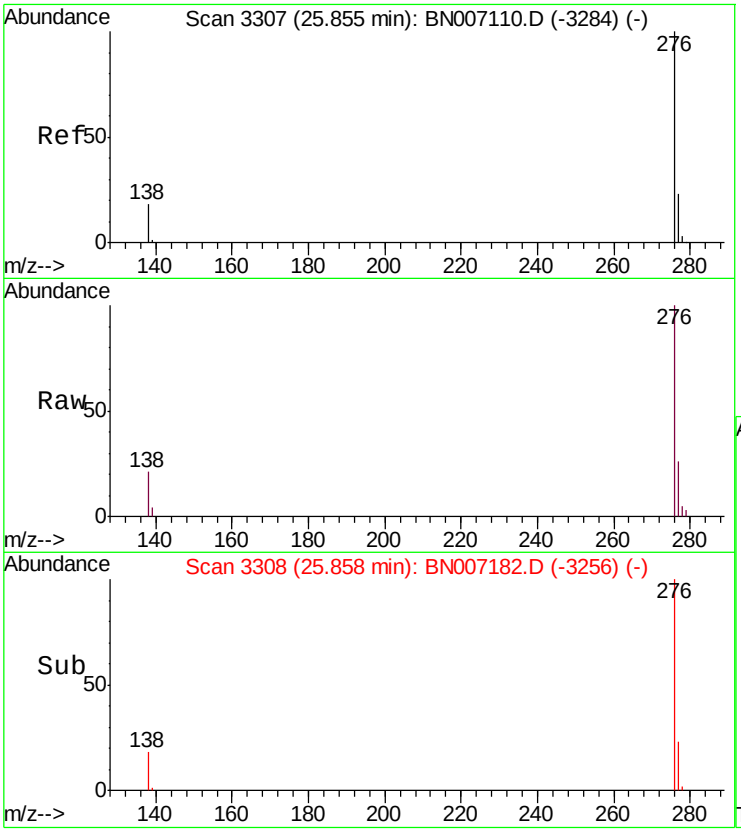


#36
Dibenzo(a,h)anthracene
Concen: 0.100 ng
RT: 25.24 min Scan# 3126
Delta R.T. -0.04 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Tgt Ion:278 Resp: 12317

Ion	Ratio	Lower	Upper
278	100		
139	25.3	11.3	16.9#
279	34.6	19.3	28.9#





#37
Benzo(g,h,i)perylene
Concen: 0.323 ng
RT: 25.86 min Scan# 3308
Delta R.T. -0.02 min
Lab File: BN007182.D
Acq: 15 Aug 2019 02:29

Instrument :
BNA_N
ClientSampleId :
EXT-009-SW150-080819

Tgt Ion:276 Resp: 40700

Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.8	29.8
138	20.6	14.6	22.0