Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081319\
Data File : BN007141.D
Acq On : 13 Aug 2019 20:43
Operator : HP/JU
Sample : K4173-09MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PST-016-SW112-073119-1MSD

Quant Time: Aug 14 04:05:31 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	10053	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	39888	0.40	ng		0.00
12) Acenaphthene-d10	14.08	164	22570	0.40	ng		0.00
18) Phenanthrene-d10	16.82	188	51154	0.40	ng		0.00
26) Chrysene-d12	21.05	240	49269	0.40	ng		-0.01
32) Perylene-d12	23.16	264	54734	0.40	ng		-0.01
System Monitoring Compounds							
3) 2-Fluorophenol	5.06	112	5684	0.24	ng		0.00
4) Phenol-d6	6.62	99	7695	0.26	ng		0.00
7) Nitrobenzene-d5	8.56	82	6306	0.20	ng		0.00
10) 2-Methylnaphthalene-d10	11.79	152	12798m	0.17	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	2226	0.18	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	3603	0.11	ng		0.00
24) Fluoranthene-d10	18.87	212	28922	0.16	ng		0.00
28) Terphenyl-d14	19.49	244	22160	0.17	ng		-0.01
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	3.34	42	1381	0.209	ng	#	87
5) bis(2-Chloroethyl)ether	6.87	93	5917	0.224	ng		97
8) Naphthalene	10.24	128	29700	0.266	ng		99
9) Hexachlorobutadiene	10.54	225	3964	0.166	ng	#	100
11) 2-Methylnaphthalene	11.86	142	22104	0.279	ng		97
15) Acenaphthylene	13.79	152	74112	0.628	ng		99
16) Acenaphthene	14.13	154	23641	0.313	ng		97
17) Fluorene	15.13	166	38589	0.341	ng		93
19) 4-Bromophenyl-phenylether	16.03	248	6124	0.194	ng	#	78
20) Hexachlorobenzene	16.14	284	5290	0.174	ng		98
21) Pentachlorophenol	16.48	266	2910	0.257	ng		99
22) Phenanthrene	16.87	178	504471	3.291	ng		100
23) Anthracene	16.95	178	86533	0.618	ng		98
25) Fluoranthene	18.90	202	500285	2.551	ng		99
27) Pyrene	19.26	202	781556	4.523	ng		97
29) Benzo(a)anthracene	21.02	228	331222	1.838	ng		94
30) Chrysene	21.08	228	396469	2.265	ng		97
31) Indeno(1,2,3-cd)pyrene	25.24	276	175979	0.912	ng		99
33) Benzo(b)fluoranthene	22.54	252	314568	1.676	ng		99
34) Benzo(k)fluoranthene	22.58	252	133772m	0.722	ng		
35) Benzo(a)pyrene	23.07	252	276319	1.624	ng		99
36) Dibenzo(a,h)anthracene	25.25	278	72406	0.426	ng	#	90
37) Benzo(g,h,i)perylene	25.87	276	193456	1.108	ng		99

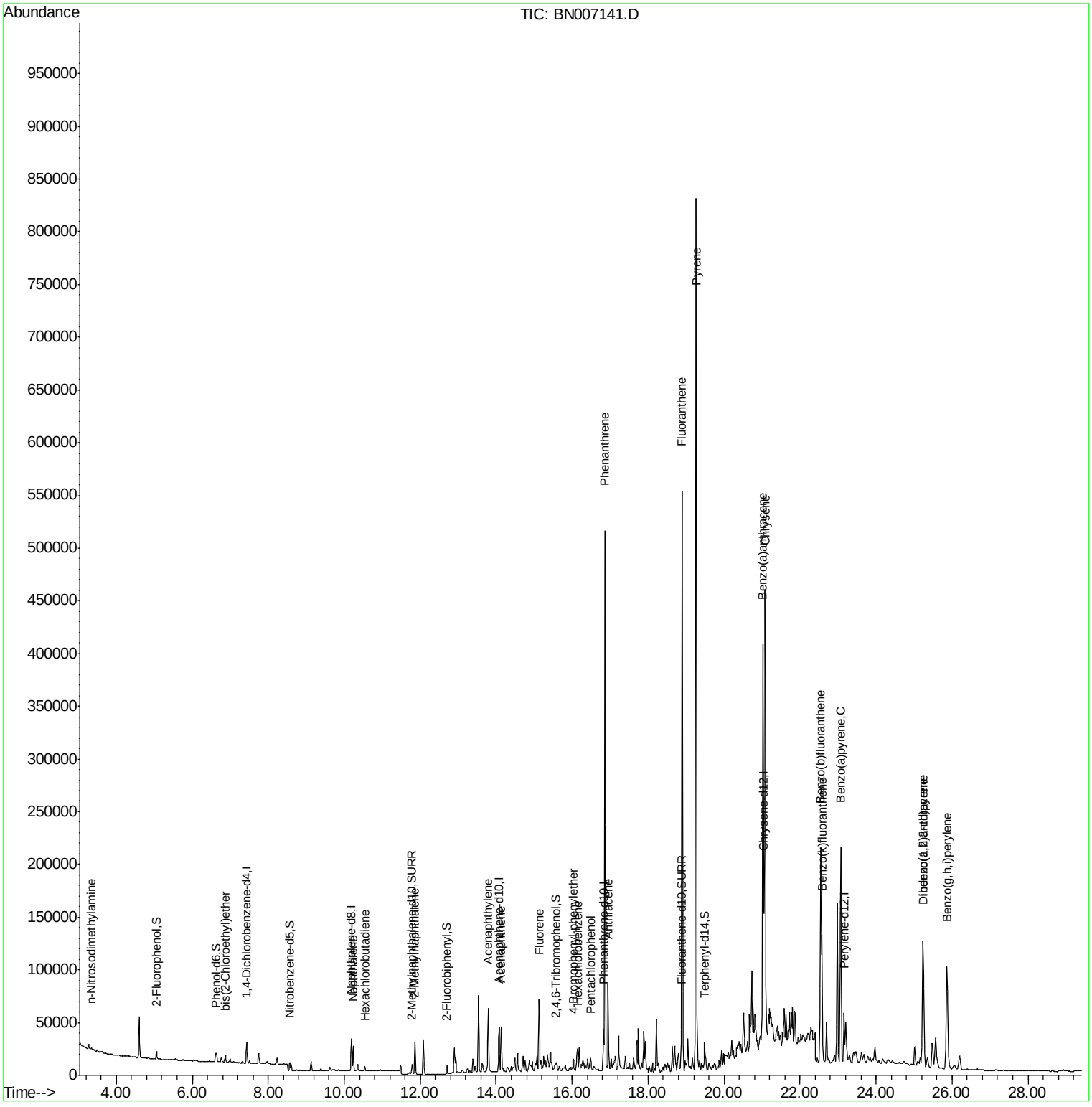
(#) = qualifier out of range (m) = manual integration (+) = signals summed

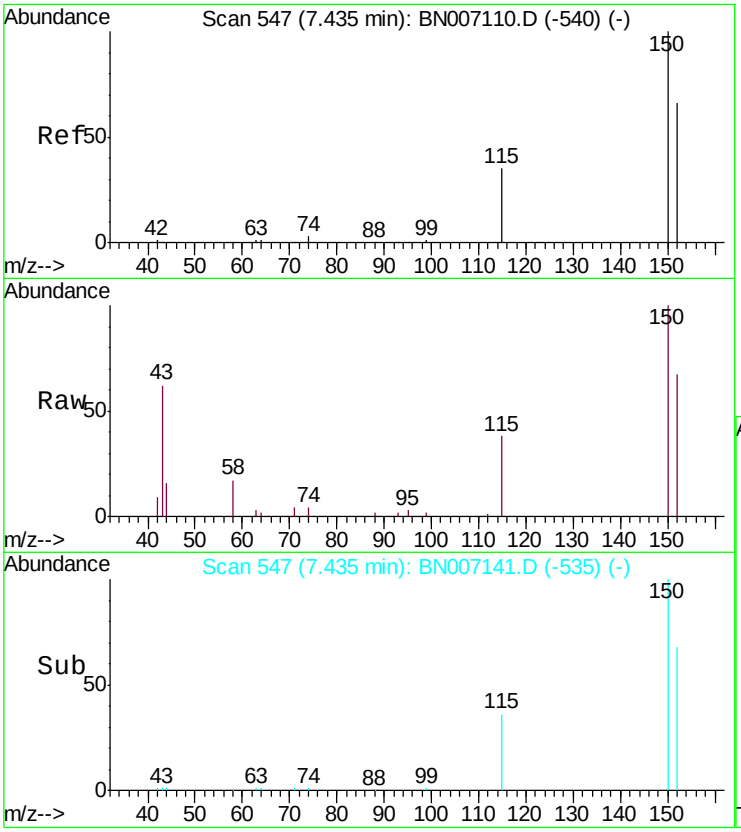
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081319\
Data File : BN007141.D
Acq On : 13 Aug 2019 20:43
Operator : HP/JU
Sample : K4173-09MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-016-SW112-073119-1MSD

Quant Time: Aug 14 04:05:31 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



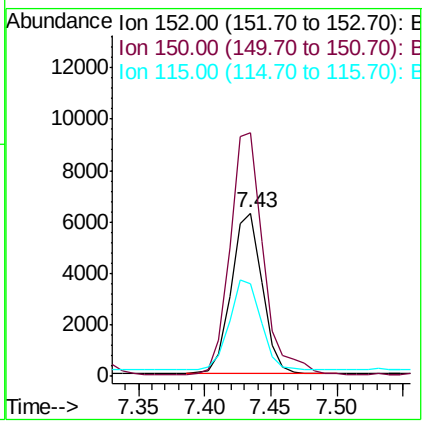


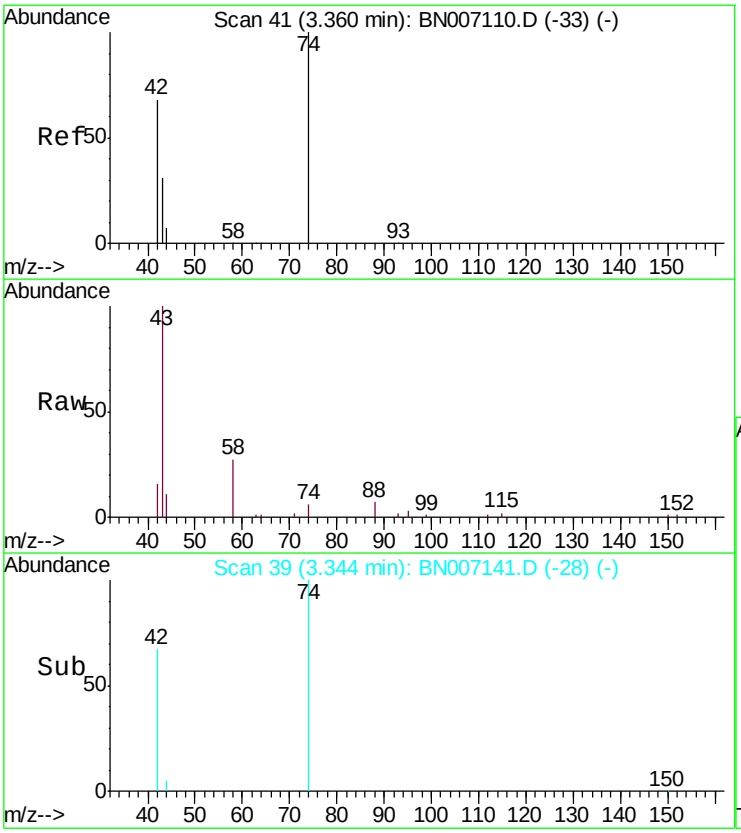
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW112-073119-1MSD

Tgt Ion:152 Resp: 10053

Ion	Ratio	Lower	Upper
152	100		
150	148.9	121.7	182.5
115	57.0	46.2	69.4

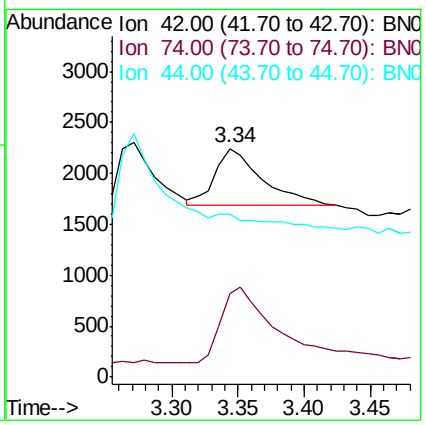


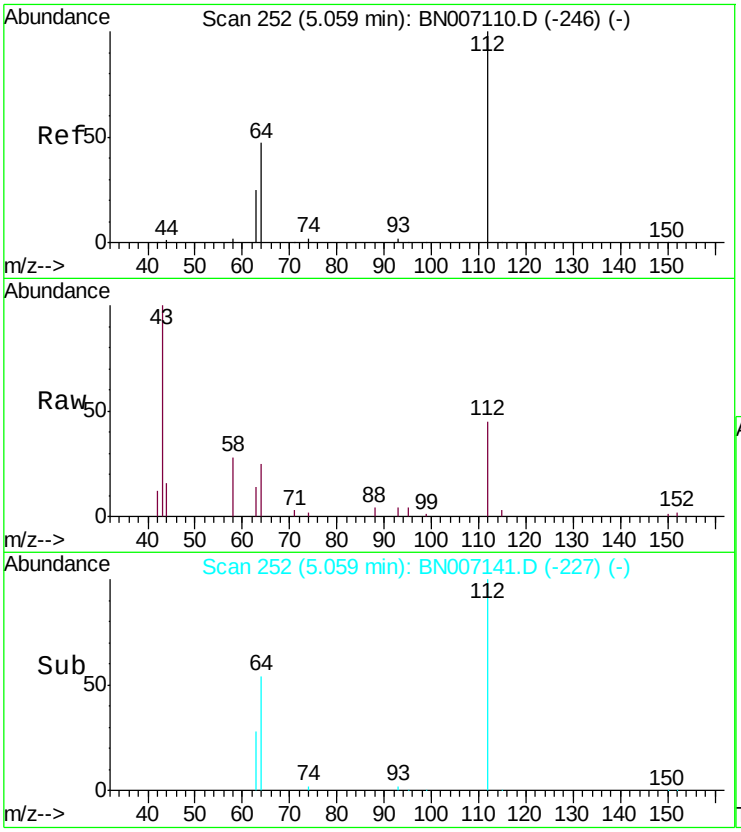


#2
n-Nitrosodimethylamine
Concen: 0.209 ng
RT: 3.34 min Scan# 39
Delta R.T. -0.02 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Tgt Ion: 42 Resp: 1381

Ion	Ratio	Lower	Upper
42	100		
74	154.1	110.6	166.0
44	0.0	0.0	0.0



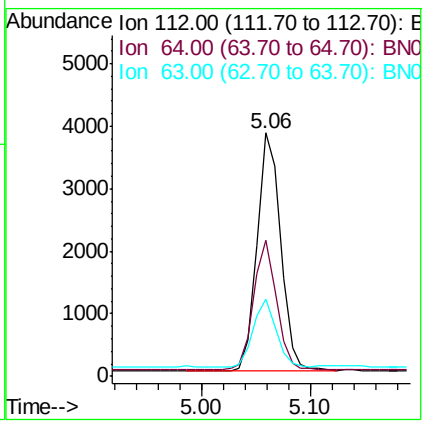


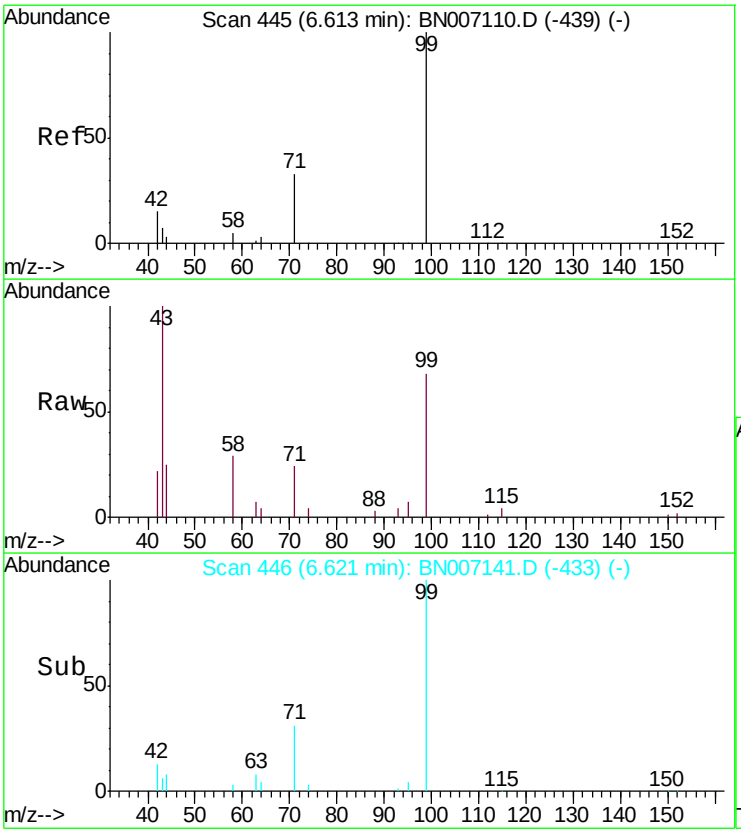
#3
2-Fluorophenol
Concen: 0.235 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW112-073119-1MSD

Tgt Ion:112 Resp: 5684

Ion	Ratio	Lower	Upper
112	100		
64	52.1	42.6	63.8
63	28.1	22.2	33.2

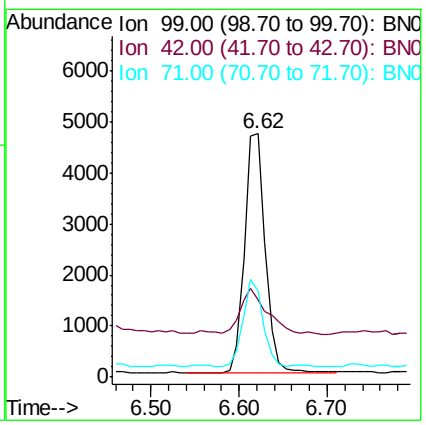


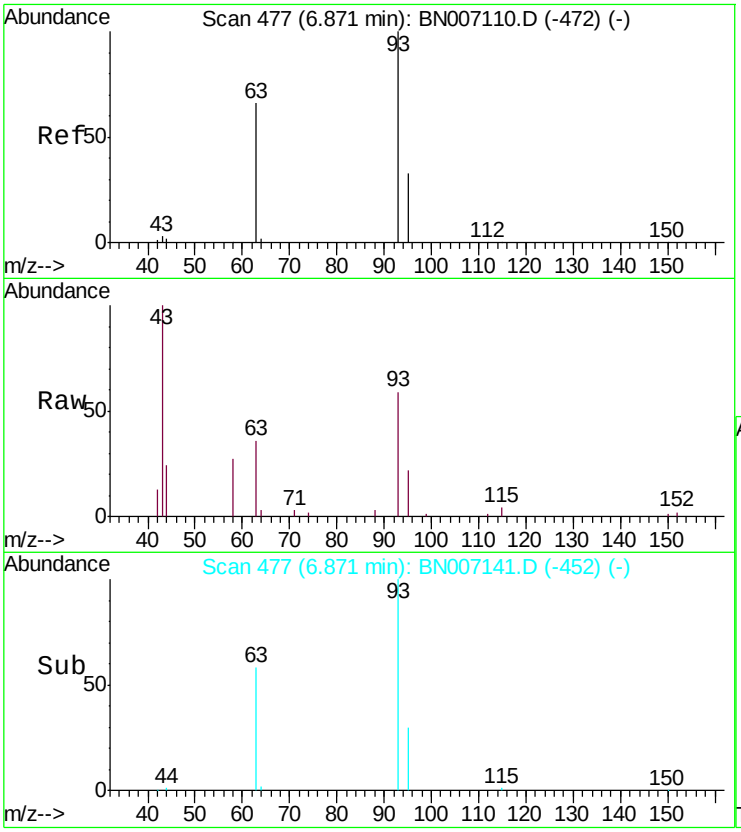


#4
Phenol-d6
Concen: 0.257 ng
RT: 6.62 min Scan# 446
Delta R.T. 0.01 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Tgt Ion: 99 Resp: 7695

Ion	Ratio	Lower	Upper
99	100		
42	24.5	15.8	23.6#
71	34.9	27.0	40.4



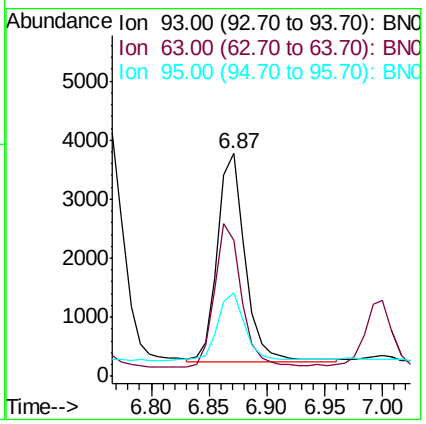


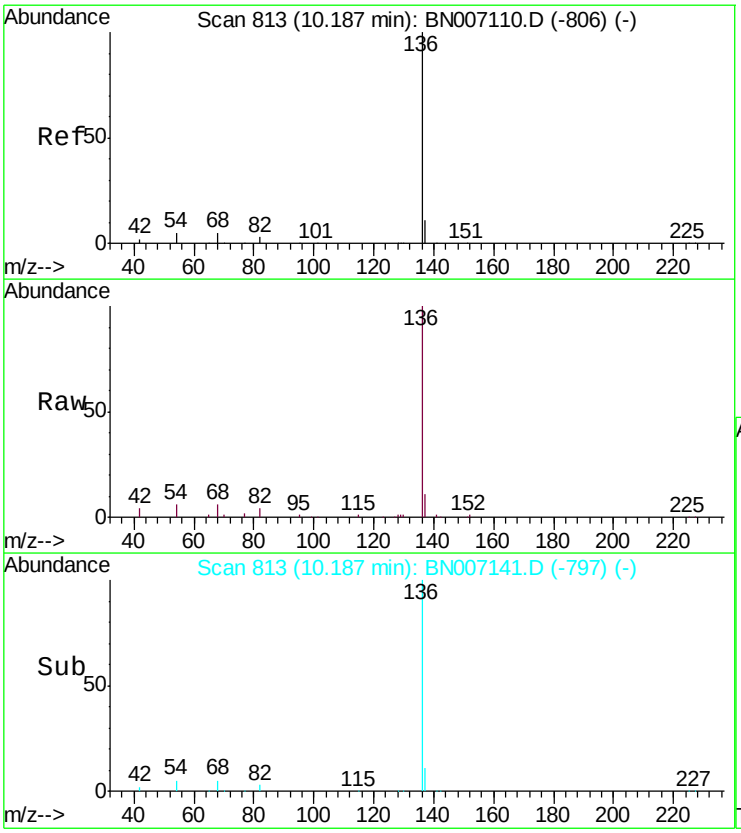
#5
bis(2-Chloroethyl)ether
Concen: 0.224 ng
RT: 6.87 min Scan# 477
Delta R.T. -0.00 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW112-073119-1MSD

Tgt Ion: 93 Resp: 5917

Ion	Ratio	Lower	Upper
93	100		
63	66.5	55.6	83.4
95	32.6	26.7	40.1

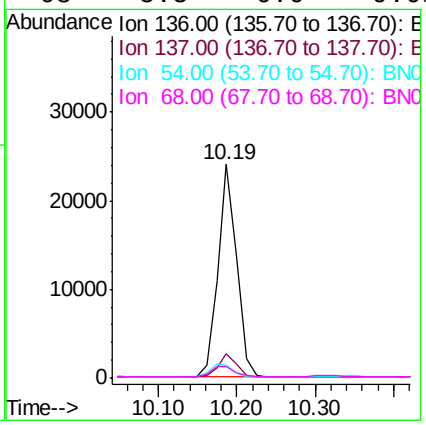


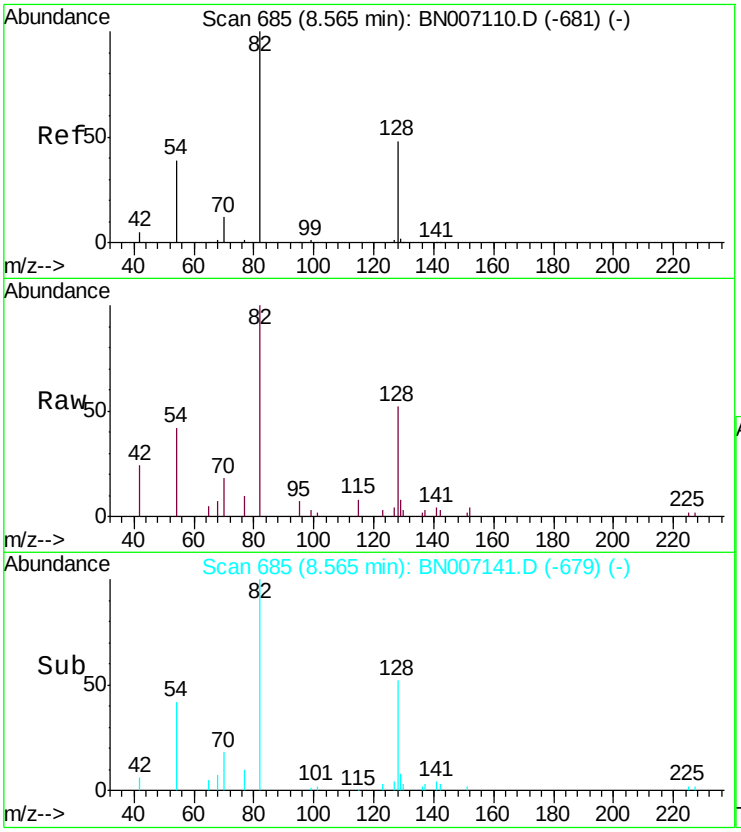


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Tgt Ion:136 Resp: 39888

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.4	14.0
54	6.1	6.6	9.8#
68	5.5	6.0	9.0#



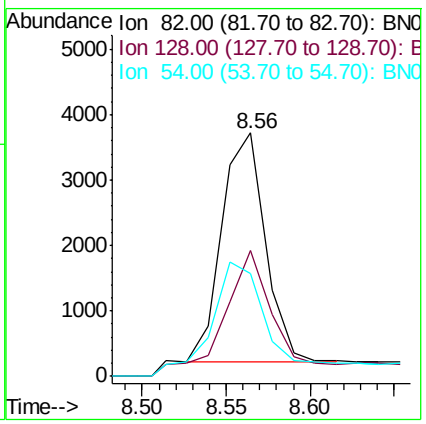


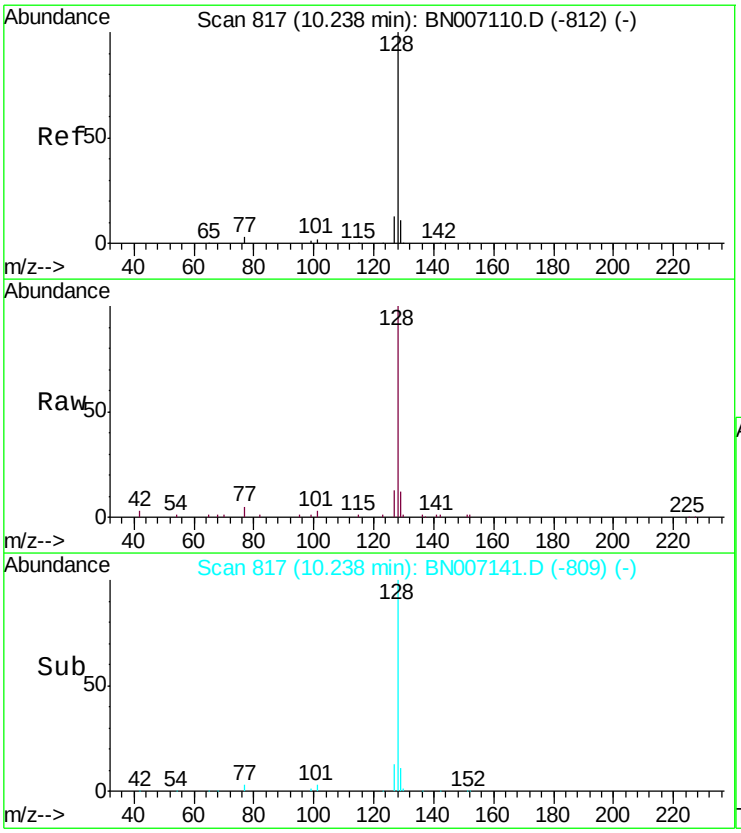
#7
Nitrobenzene-d5
Concen: 0.196 ng
RT: 8.56 min Scan# 685
Delta R.T. -0.00 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW112-073119-1MSD

Tgt Ion: 82 Resp: 6306

Ion	Ratio	Lower	Upper
82	100		
128	51.8	34.6	51.8
54	42.5	36.2	54.4

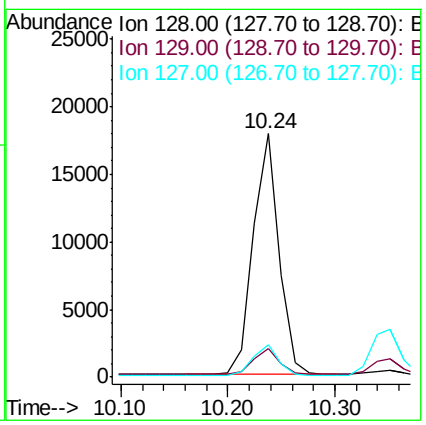


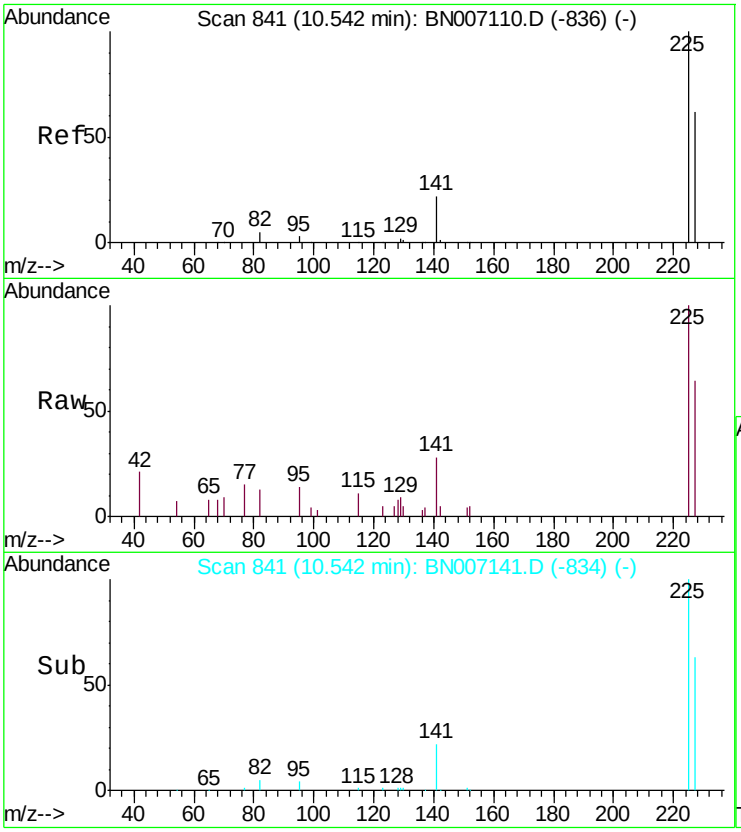


#8
Naphthalene
Concen: 0.266 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Tgt Ion:128 Resp: 29700

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.4	14.2
127	13.4	11.0	16.6



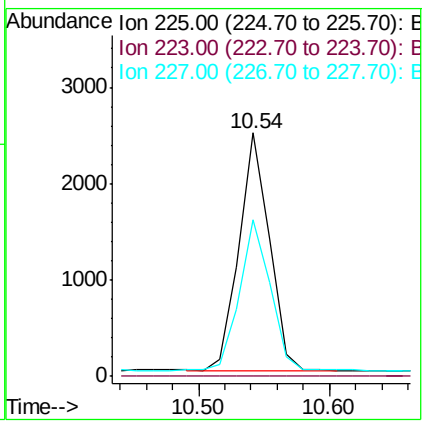


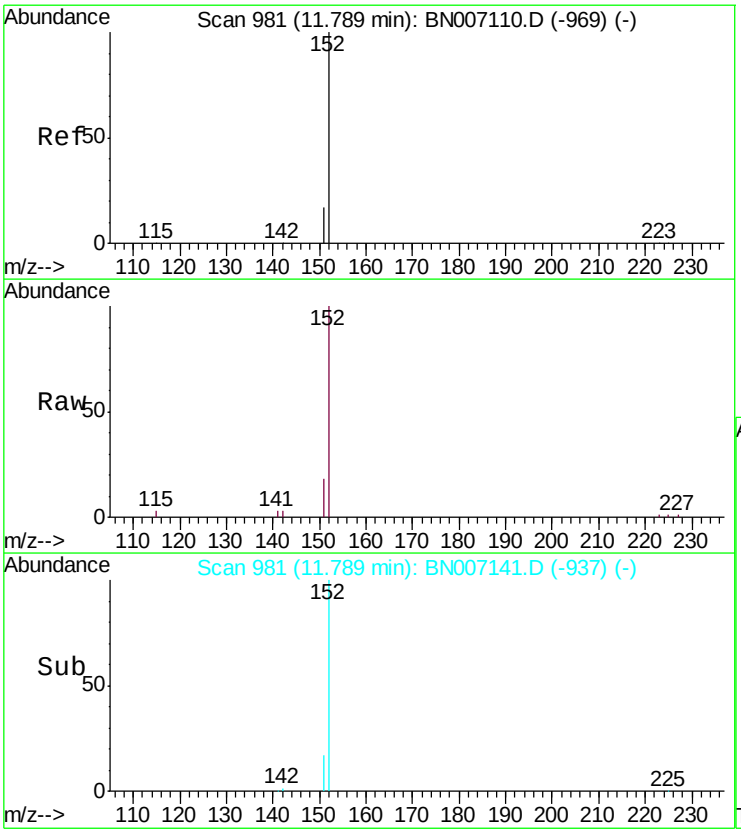
#9
Hexachlorobutadiene
Concen: 0.166 ng
RT: 10.54 min Scan# 841
Delta R.T. -0.01 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW112-073119-1MSD

Tgt Ion:225 Resp: 3964

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	51.1	76.7

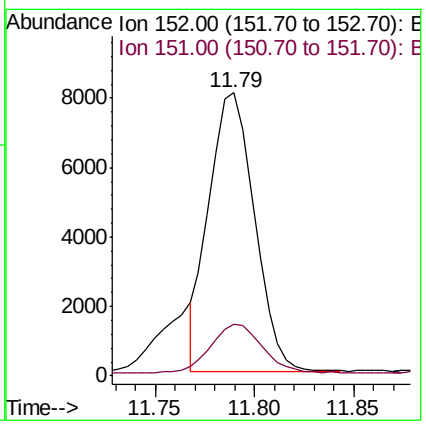


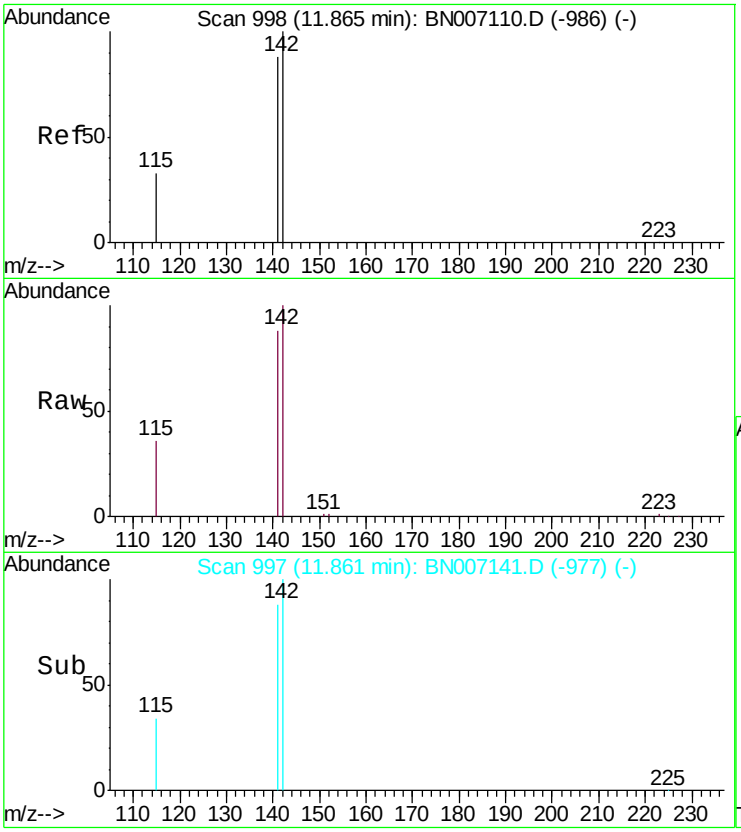


#10
2-Methylnaphthalene-d10
Concen: 0.172 ng m
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Tgt Ion:152 Resp: 12798

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.5	23.3



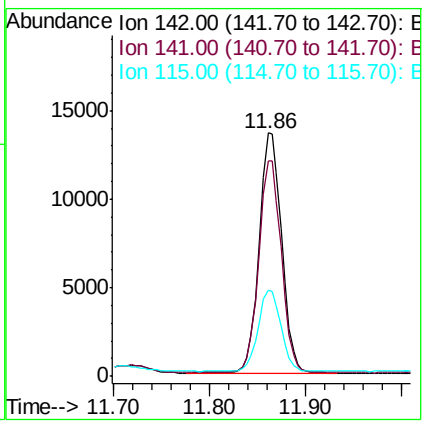


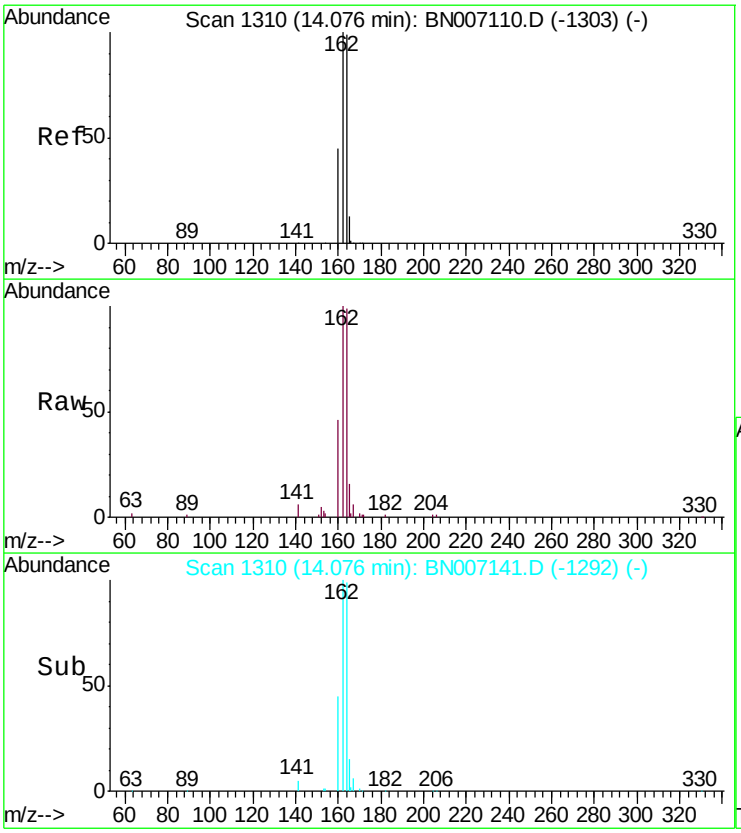
#11
2-Methylnaphthalene
Concen: 0.279 ng
RT: 11.86 min Scan# 997
Delta R.T. -0.01 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW112-073119-1MSD

Tgt Ion:142 Resp: 22104

Ion	Ratio	Lower	Upper
142	100		
141	88.5	69.0	103.6
115	35.6	27.1	40.7

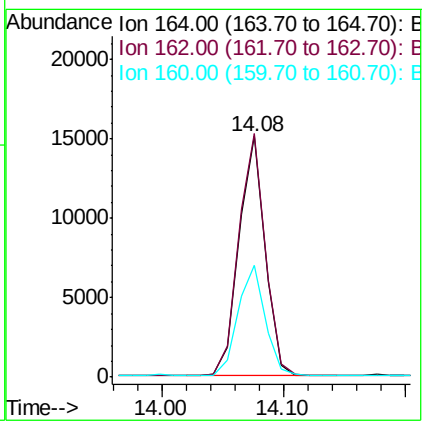


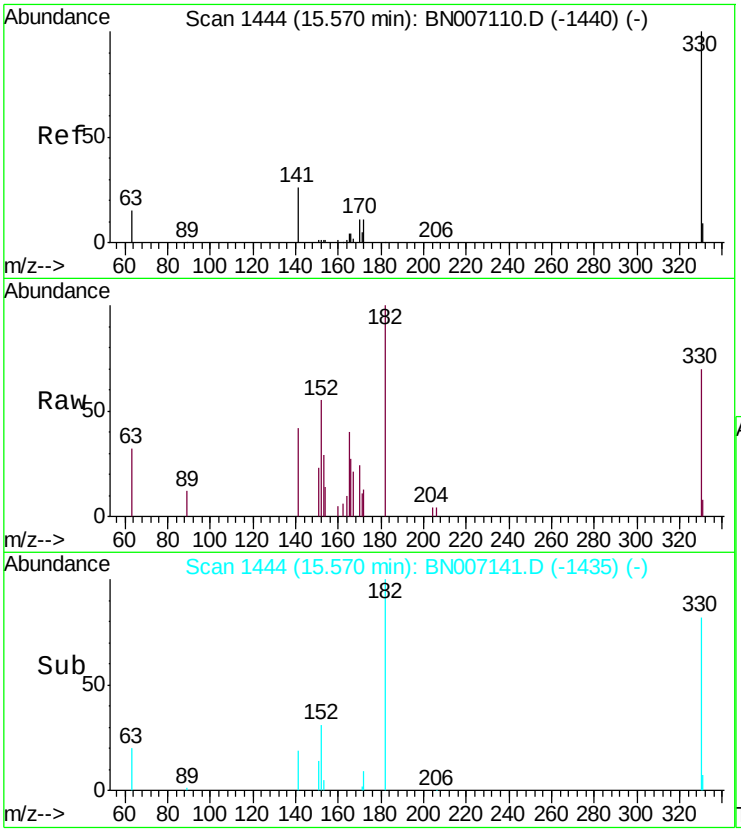


#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Tgt Ion:164 Resp: 22570

Ion	Ratio	Lower	Upper
164	100		
162	101.1	82.2	123.4
160	46.2	38.3	57.5



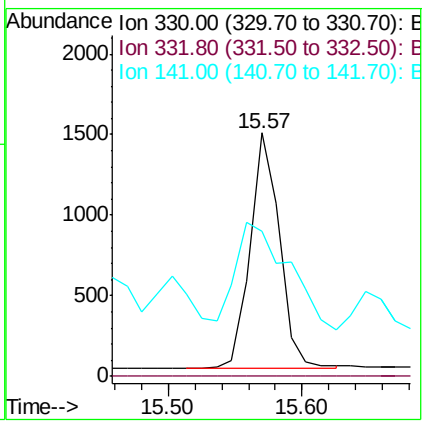


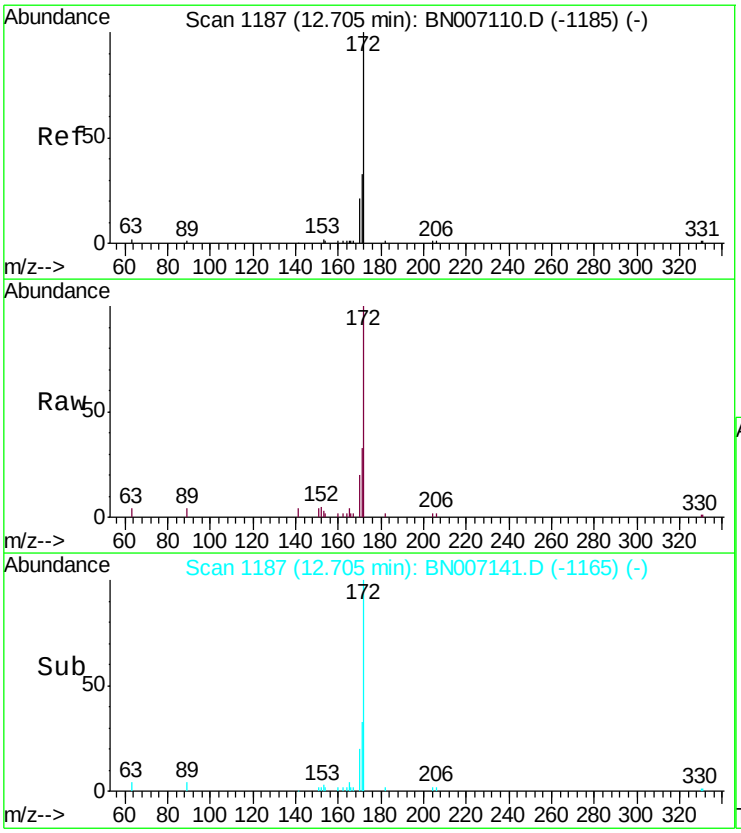
#13
2,4,6-Tribromophenol
Concen: 0.183 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW112-073119-1MSD

Tgt Ion:330 Resp: 2226

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	81.9	33.6	50.4#

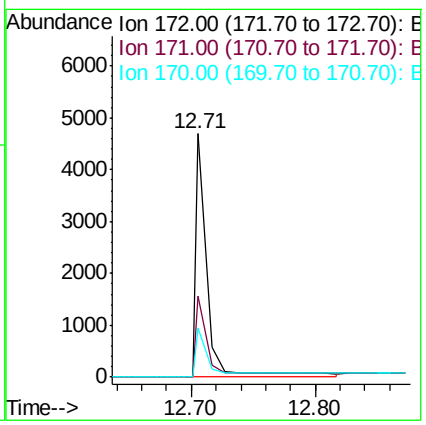


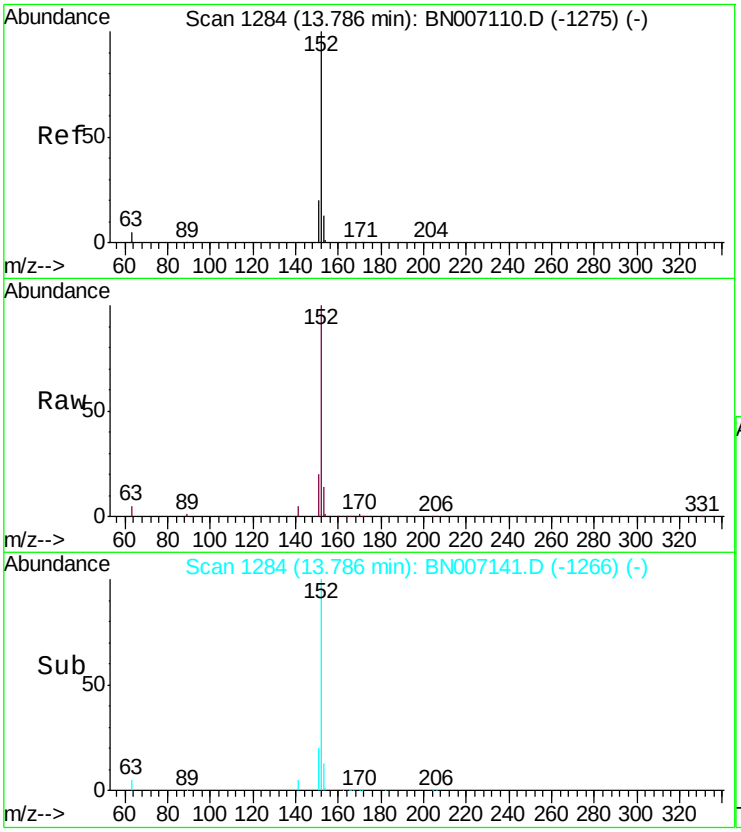


#14
2-Fluorobiphenyl
Concen: 0.110 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Tgt Ion:172 Resp: 3603

Ion	Ratio	Lower	Upper
172	100		
171	33.4	26.3	39.5
170	20.2	17.0	25.4



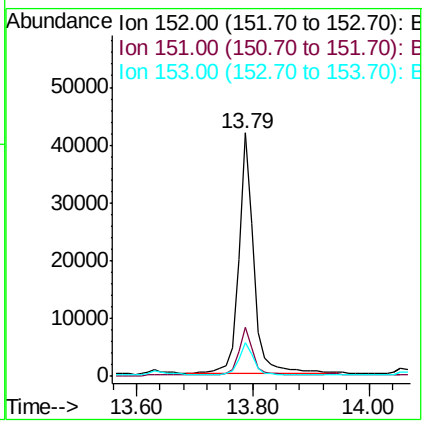


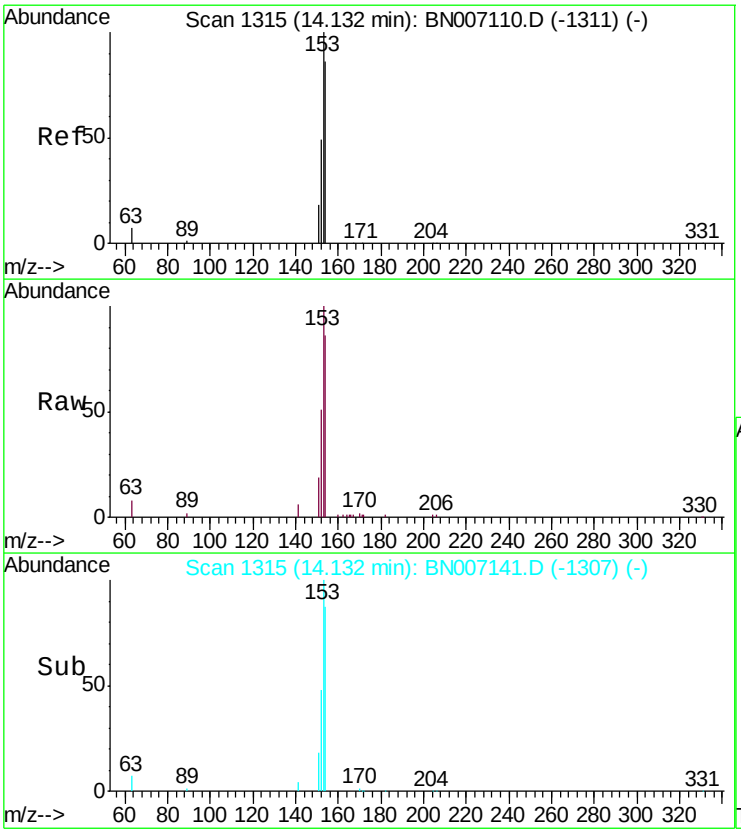
#15
Acenaphthylene
Concen: 0.628 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW112-073119-1MSD

Tgt Ion:152 Resp: 74112

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.6
153	13.5	10.4	15.6

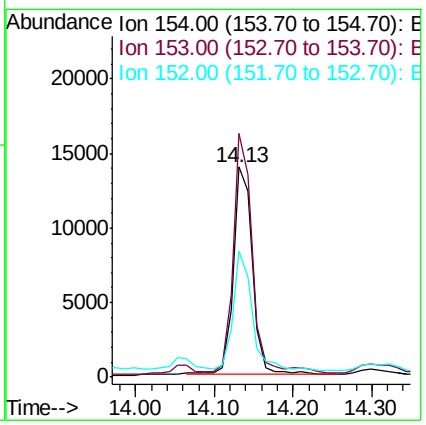


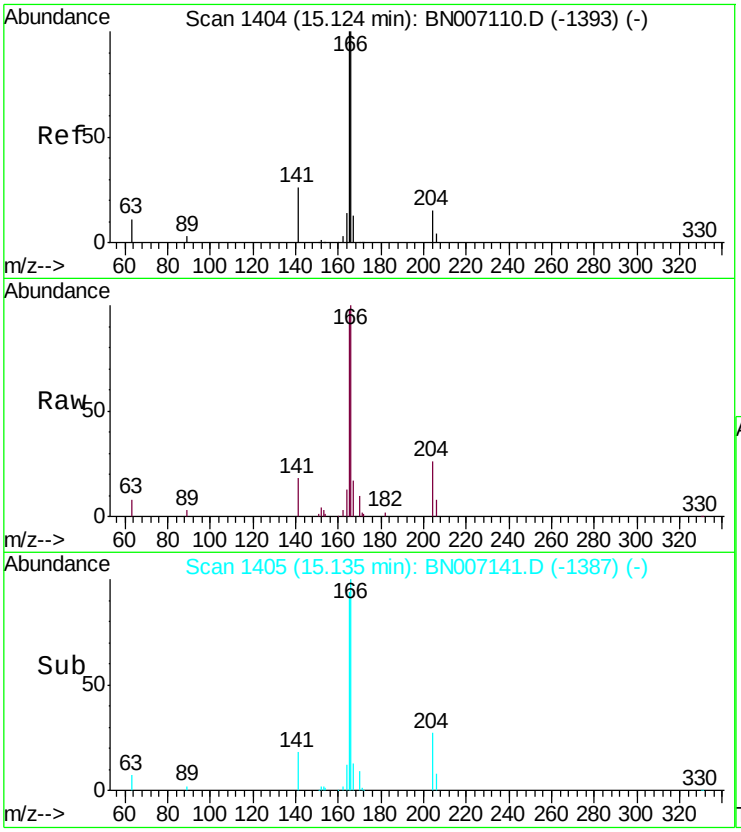


#16
Acenaphthene
Concen: 0.313 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Tgt Ion:154 Resp: 23641

Ion	Ratio	Lower	Upper
154	100		
153	115.6	89.5	134.3
152	57.5	44.8	67.2



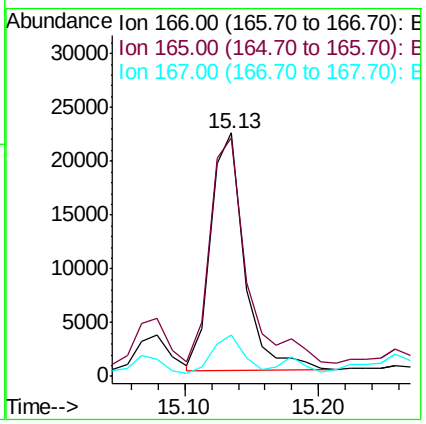


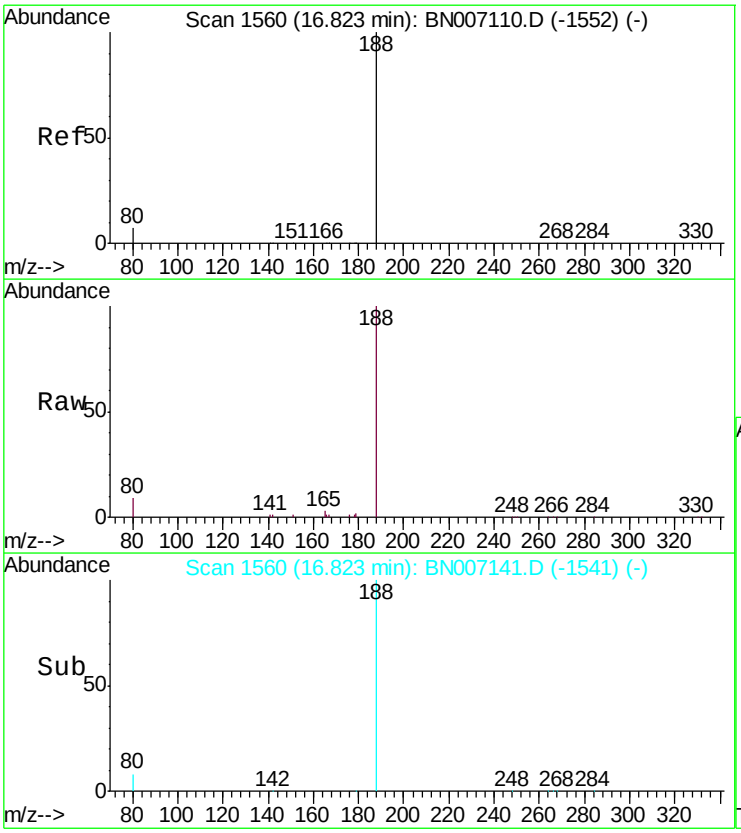
#17
Fluorene
Concen: 0.341 ng
RT: 15.13 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW112-073119-1MSD

Tgt Ion:166 Resp: 38589

Ion	Ratio	Lower	Upper
166	100		
165	104.4	77.9	116.9
167	14.6	10.9	16.3

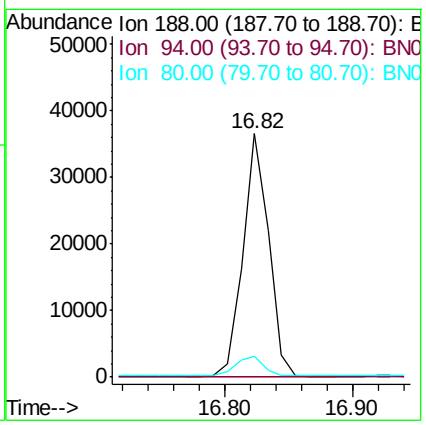


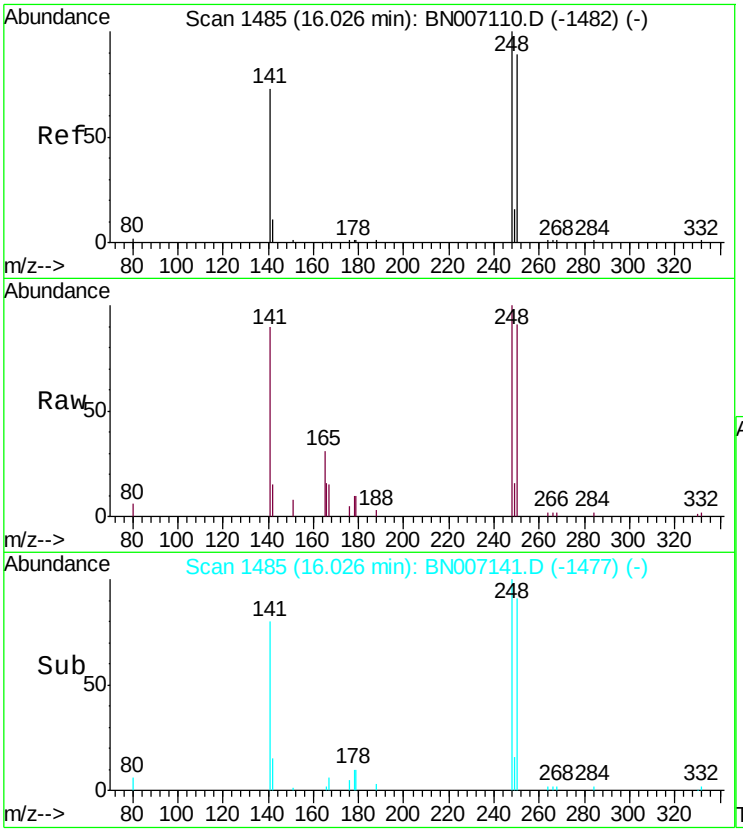


#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Tgt Ion:188 Resp: 51154

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.5	7.8	11.6



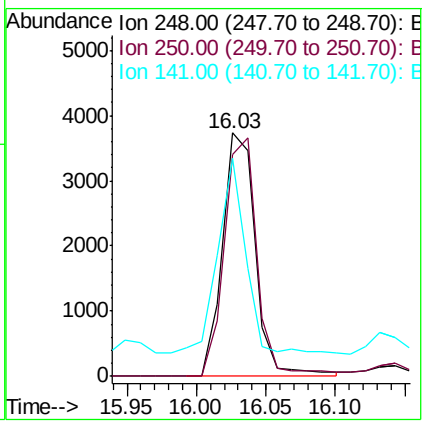


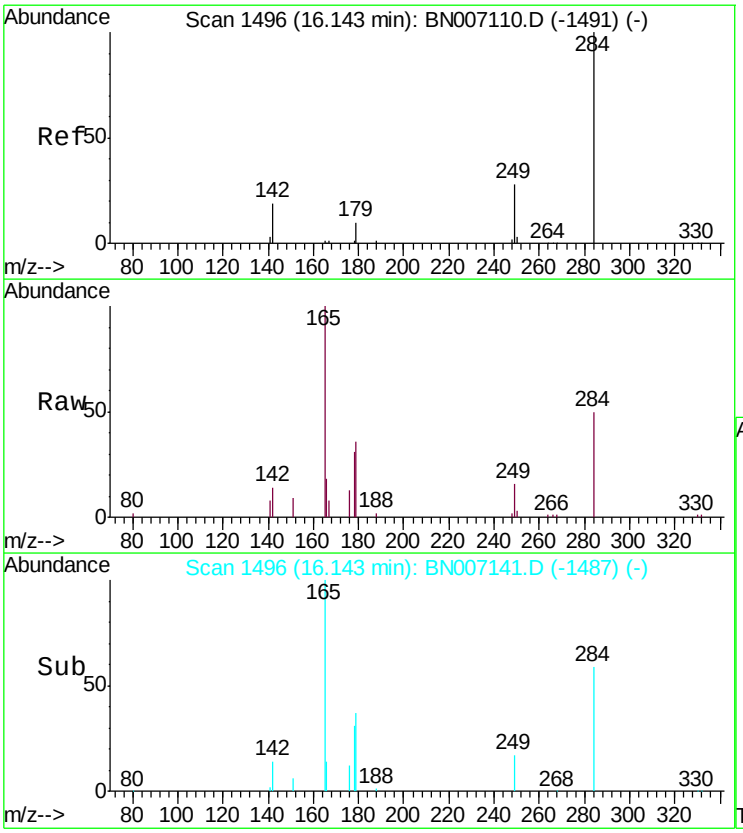
#19
4-Bromophenyl-phenylether
Concen: 0.194 ng
RT: 16.03 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW112-073119-1MSD

Tgt Ion:248 Resp: 6124

Ion	Ratio	Lower	Upper
248	100		
250	91.3	78.9	118.3
141	89.8	43.3	64.9#

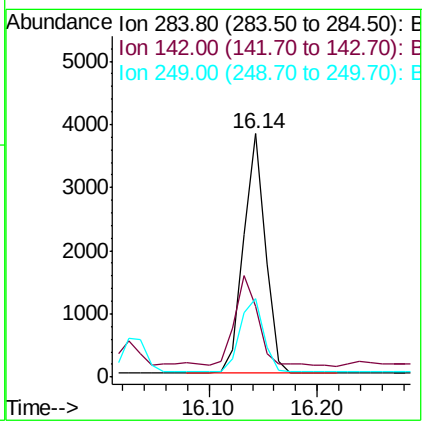


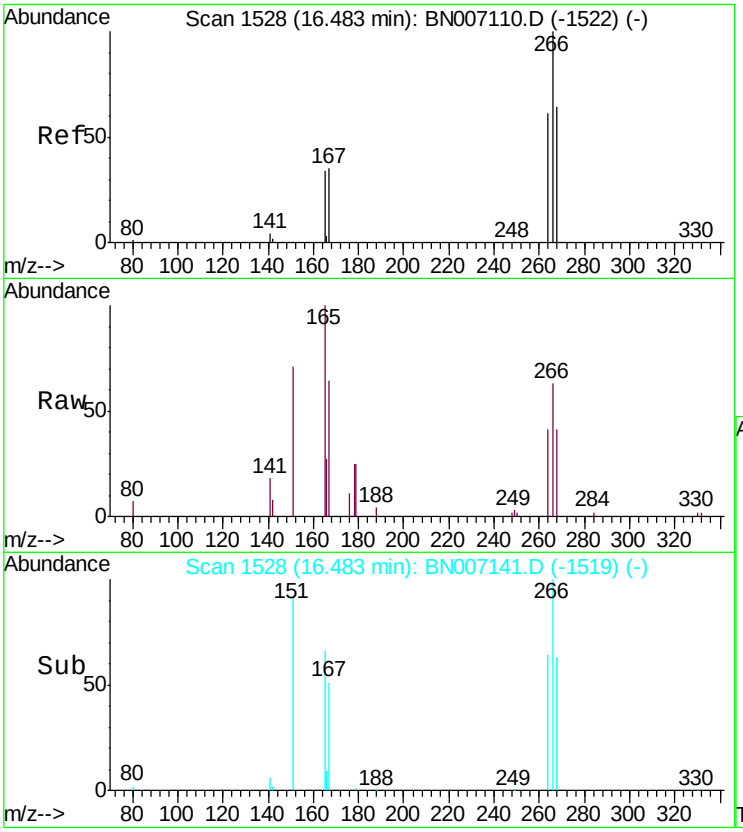


#20
Hexachlorobenzene
Concen: 0.174 ng
RT: 16.14 min Scan# 1496
Delta R.T. -0.00 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Tgt Ion:284 Resp: 5290

Ion	Ratio	Lower	Upper
284	100		
142	40.2	30.5	45.7
249	33.6	26.7	40.1



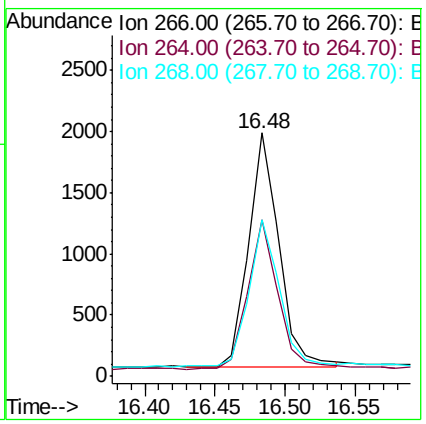


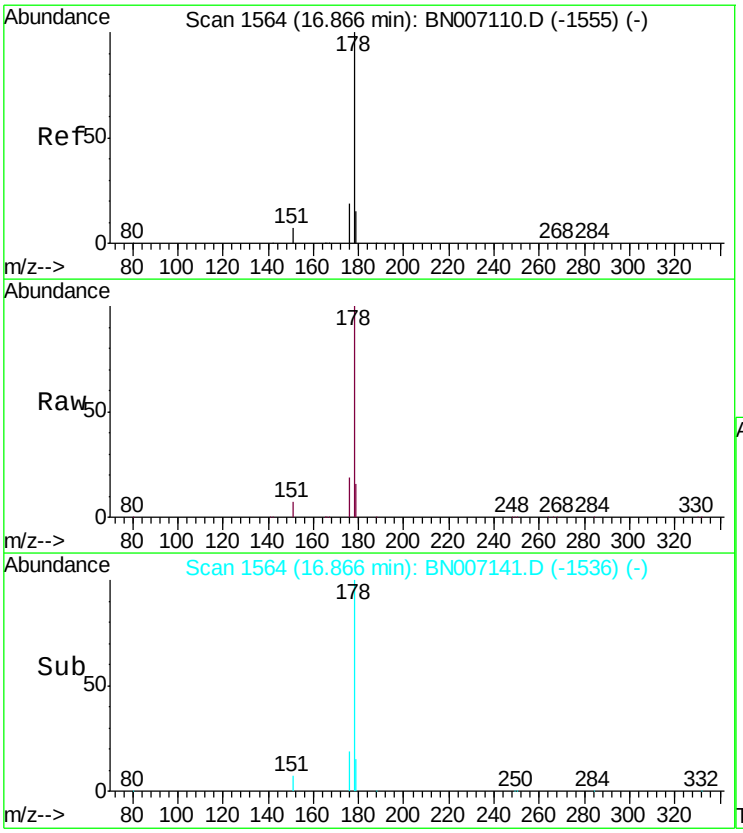
#21
Pentachlorophenol
Concen: 0.257 ng
RT: 16.48 min Scan# 1528
Delta R.T. -0.00 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW112-073119-1MSD

Tgt Ion:266 Resp: 2910

Ion	Ratio	Lower	Upper
266	100		
264	64.5	52.3	78.5
268	64.4	51.5	77.3

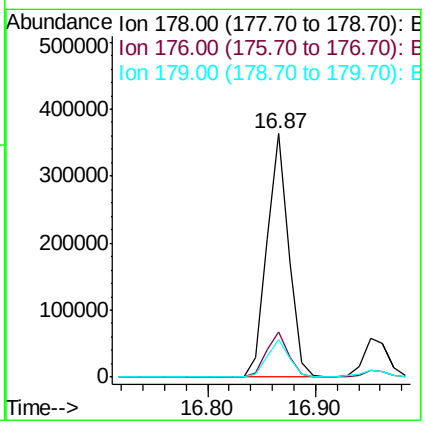


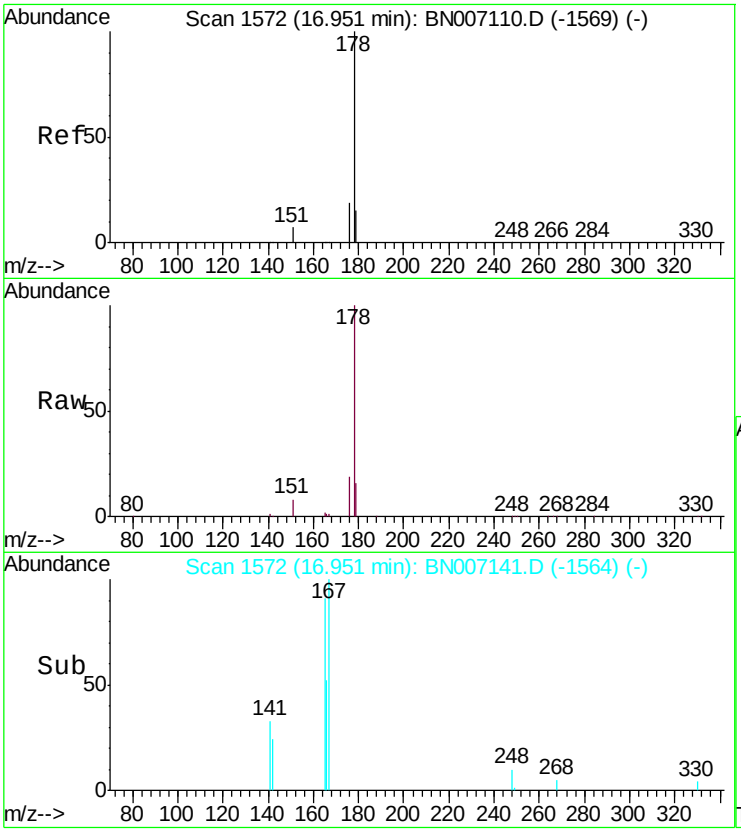


#22
Phenanthrene
Concen: 3.291 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Tgt Ion:178 Resp: 504471

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.7	12.3	18.5



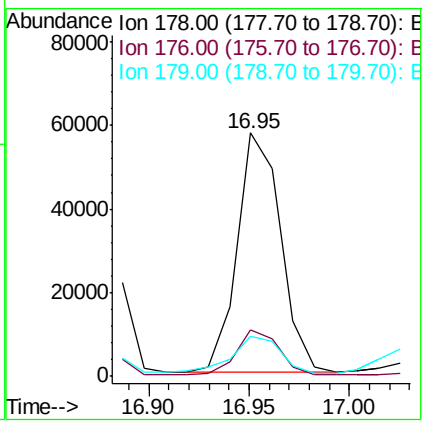


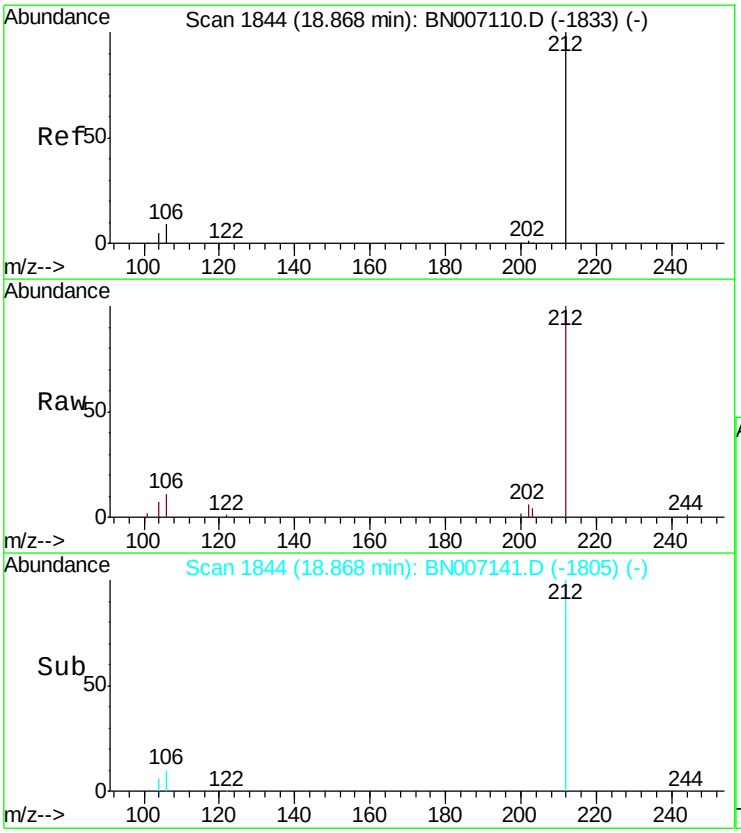
#23
Anthracene
Concen: 0.618 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW112-073119-1MSD

Tgt Ion:178 Resp: 86533

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	16.8	12.5	18.7

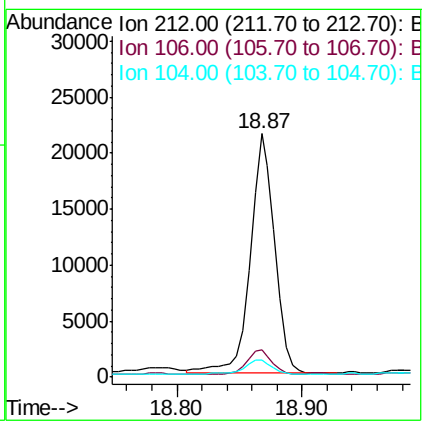


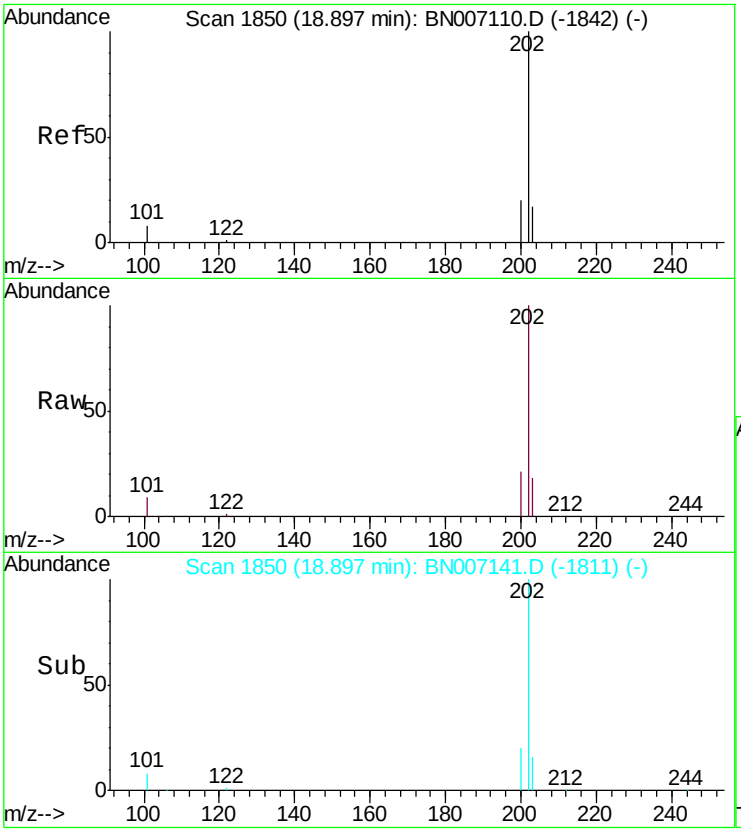


#24
Fluoranthene-d10
Concen: 0.159 ng
RT: 18.87 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Tgt Ion:212 Resp: 28922

Ion	Ratio	Lower	Upper
212	100		
106	10.2	8.2	12.2
104	6.8	4.5	6.7#



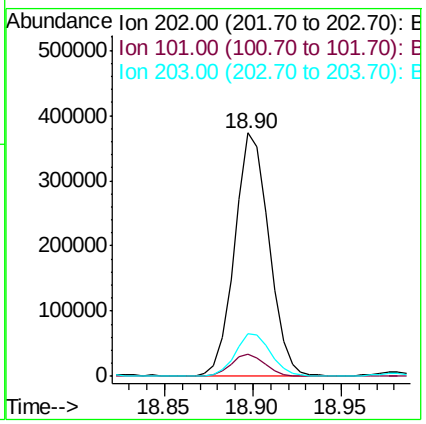


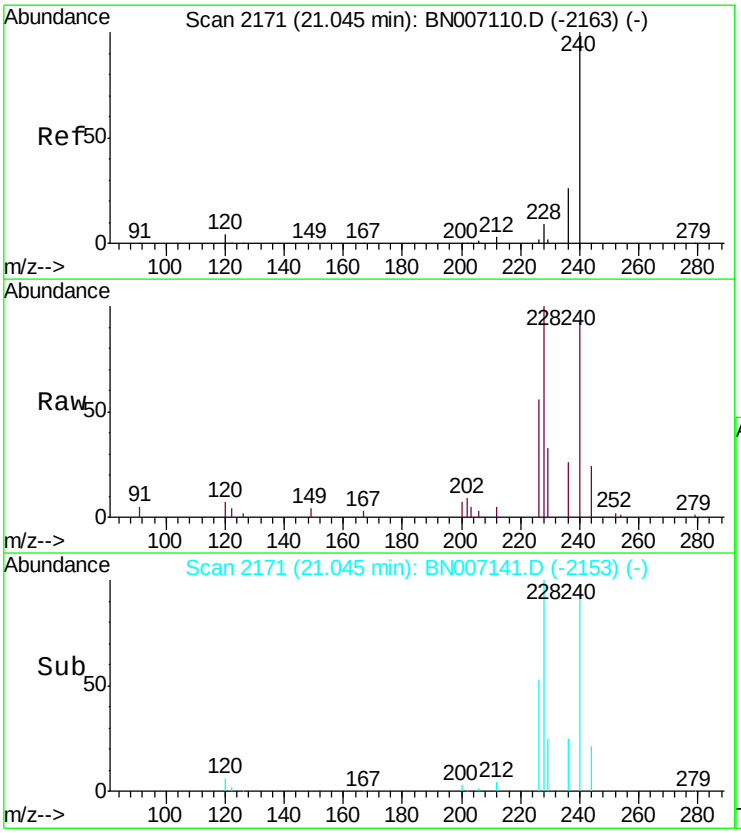
#25
Fluoranthene
Concen: 2.551 ng
RT: 18.90 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW112-073119-1MSD

Tgt Ion:202 Resp: 500285

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.0	10.4
203	17.9	13.8	20.8

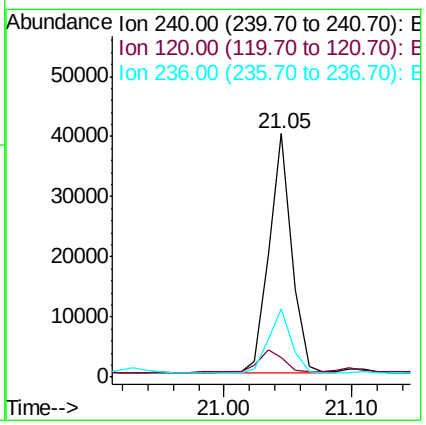


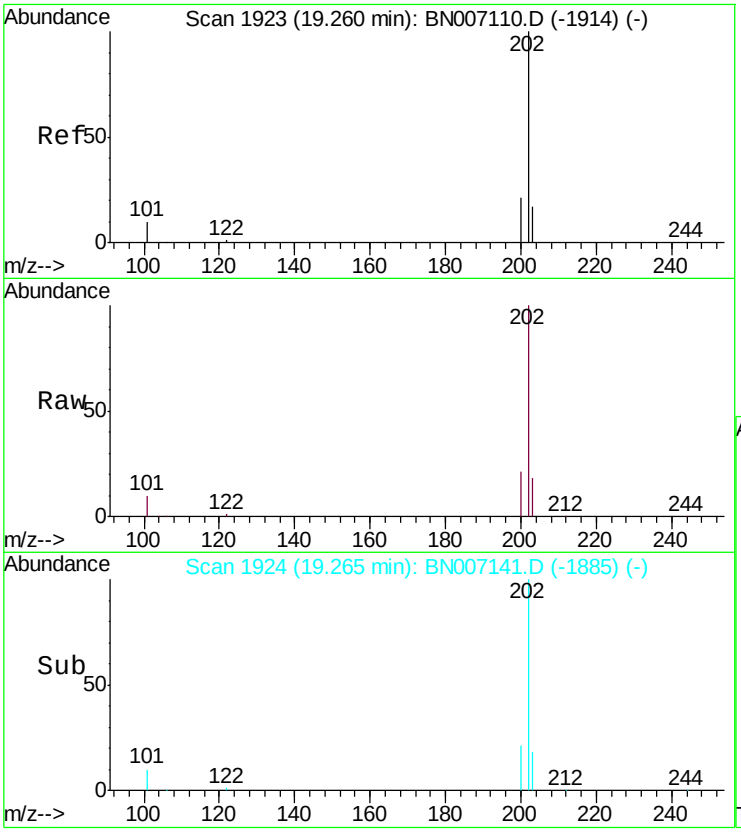


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Tgt Ion:240 Resp: 49269

Ion	Ratio	Lower	Upper
240	100		
120	7.8	4.0	6.0#
236	27.8	21.3	31.9



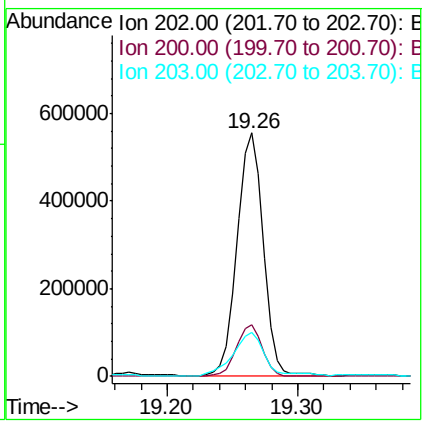


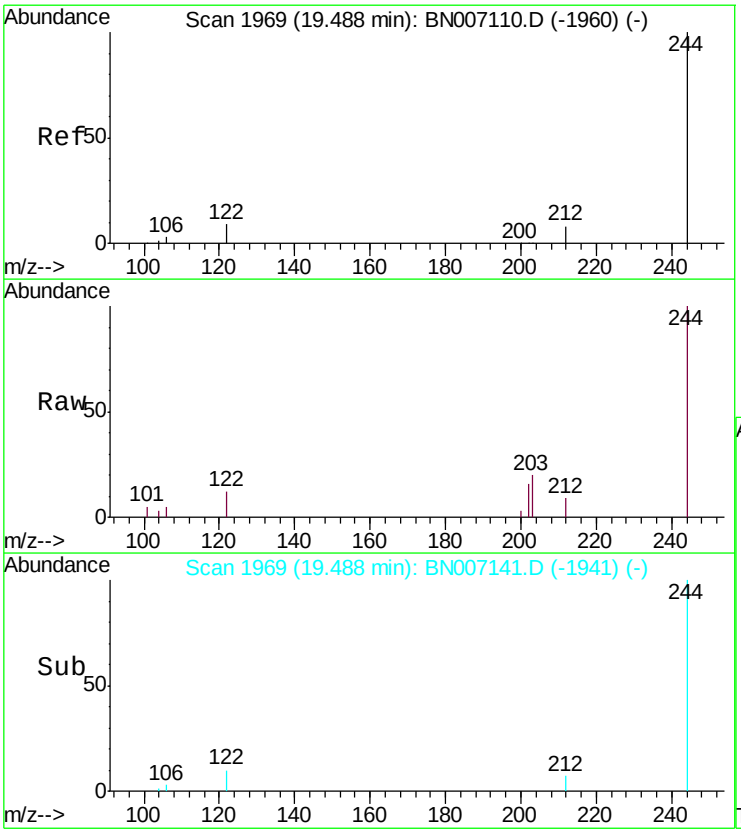
#27
Pyrene
Concen: 4.523 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW112-073119-1MSD

Tgt Ion:202 Resp: 781556

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	20.4	14.0	21.0

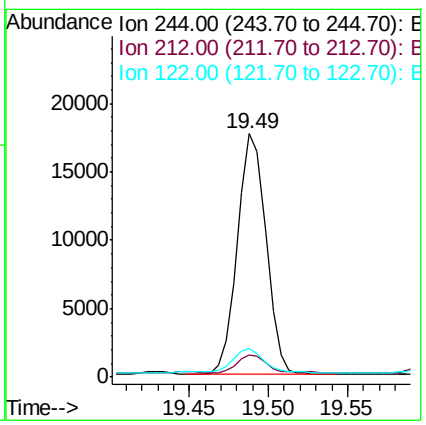


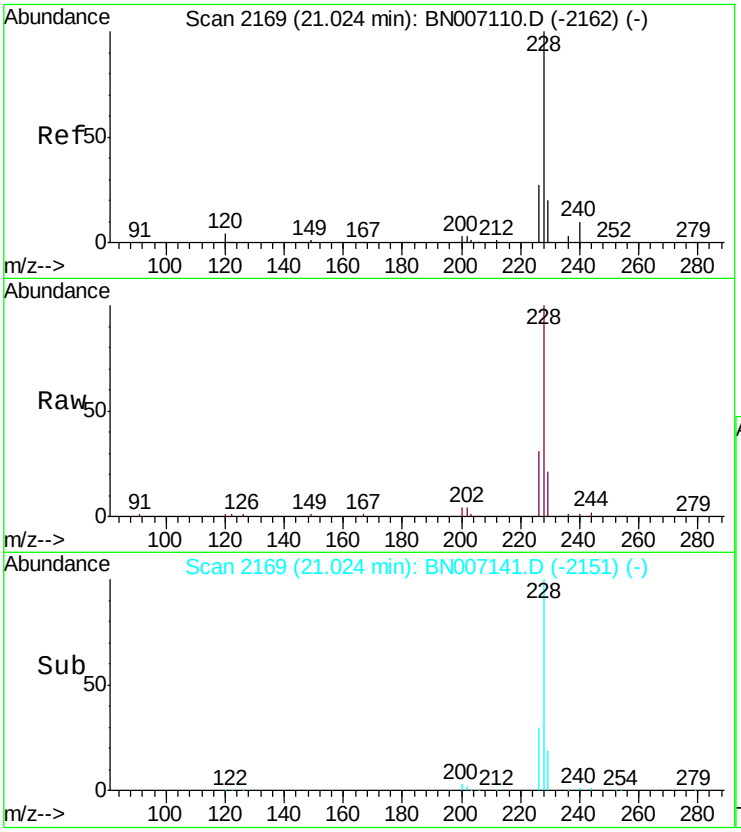


#28
Terphenyl-d14
Concen: 0.165 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Tgt Ion:244 Resp: 22160

Ion	Ratio	Lower	Upper
244	100		
212	9.0	6.2	9.2
122	12.0	7.4	11.2#



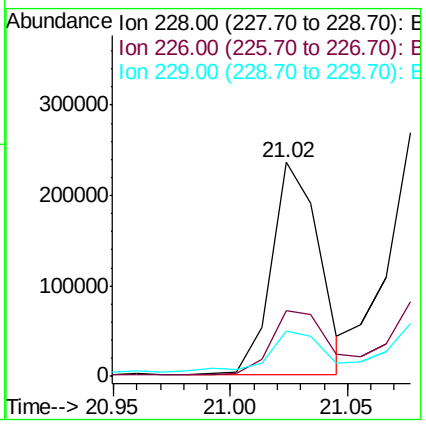


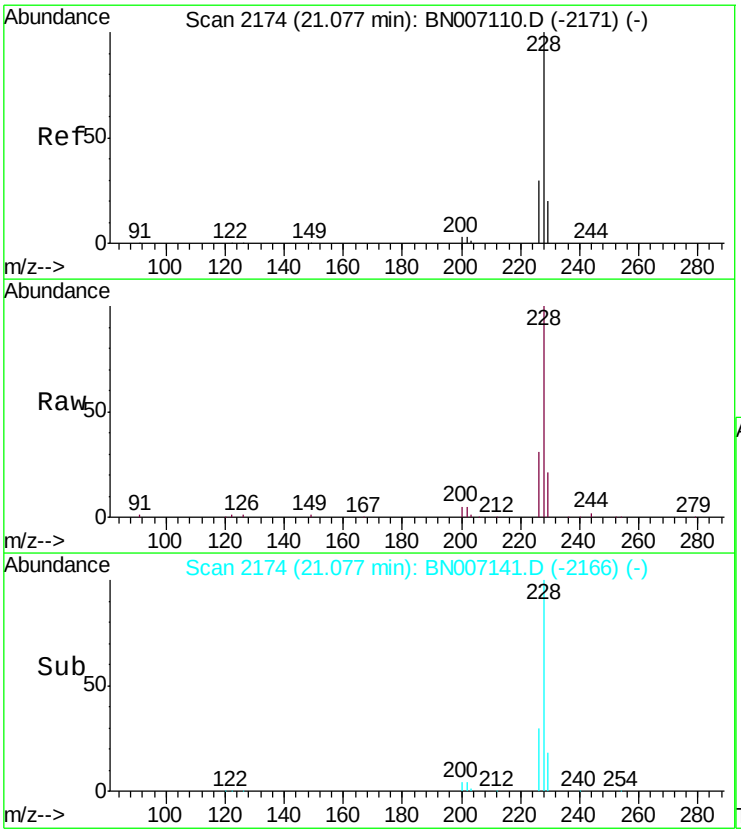
#29
Benzo(a)anthracene
Concen: 1.838 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW112-073119-1MSD

Tgt Ion:228 Resp: 331222

Ion	Ratio	Lower	Upper
228	100		
226	30.9	21.8	32.6
229	21.3	15.6	23.4

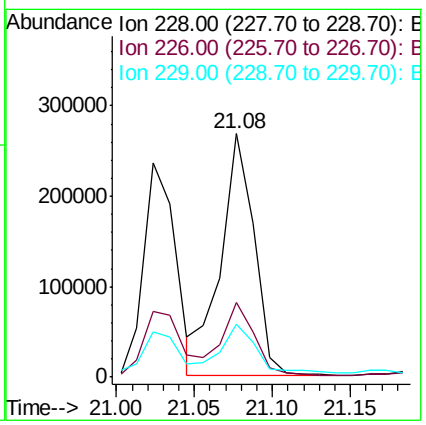


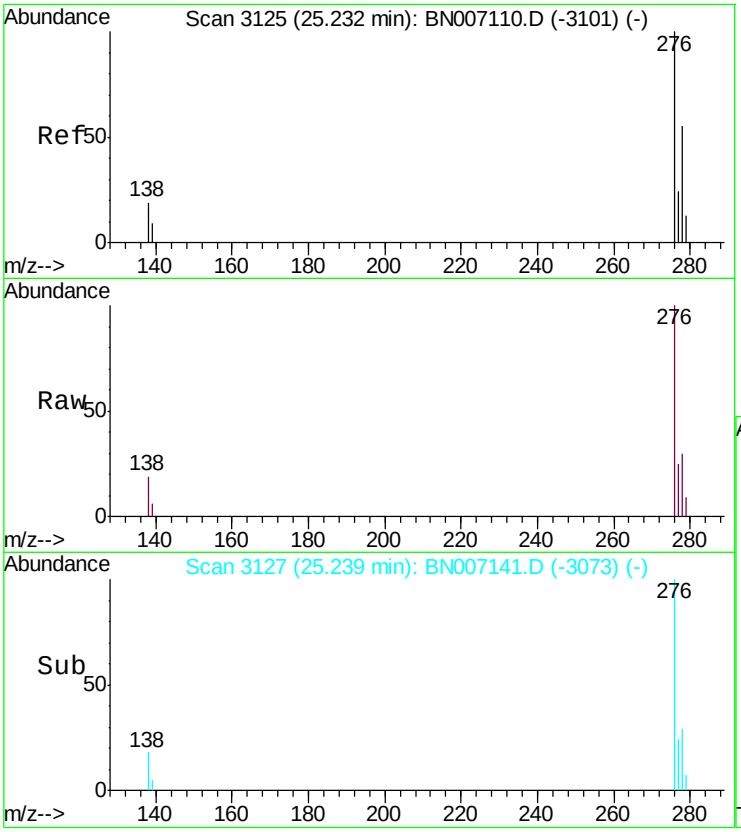


#30
Chrysene
Concen: 2.265 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Tgt Ion:228 Resp: 396469

Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.8	35.6
229	21.5	15.7	23.5



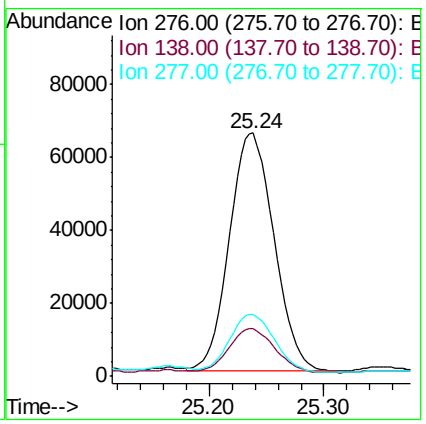


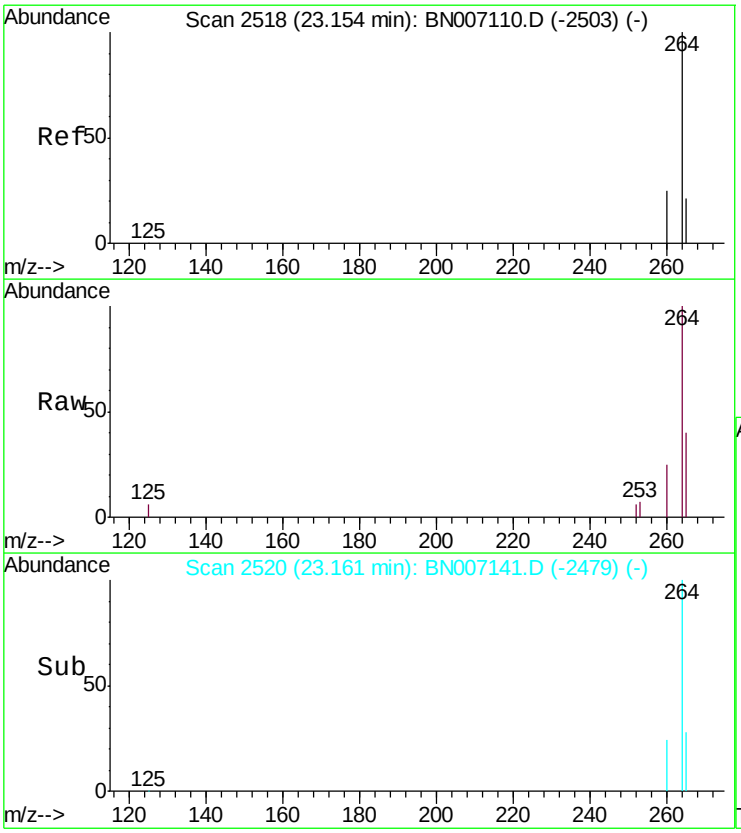
#31
Indeno(1,2,3-cd)pyrene
Concen: 0.912 ng
RT: 25.24 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW112-073119-1MSD

Tgt Ion:276 Resp: 175979

Ion	Ratio	Lower	Upper
276	100		
138	19.3	16.0	24.0
277	24.8	19.9	29.9

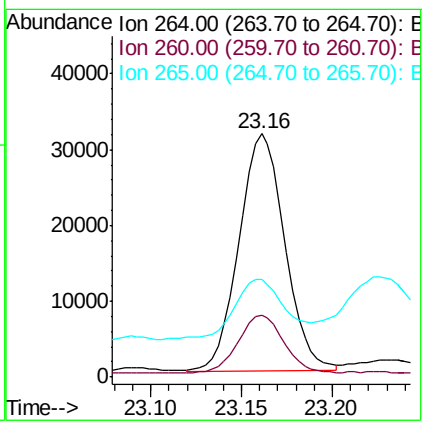


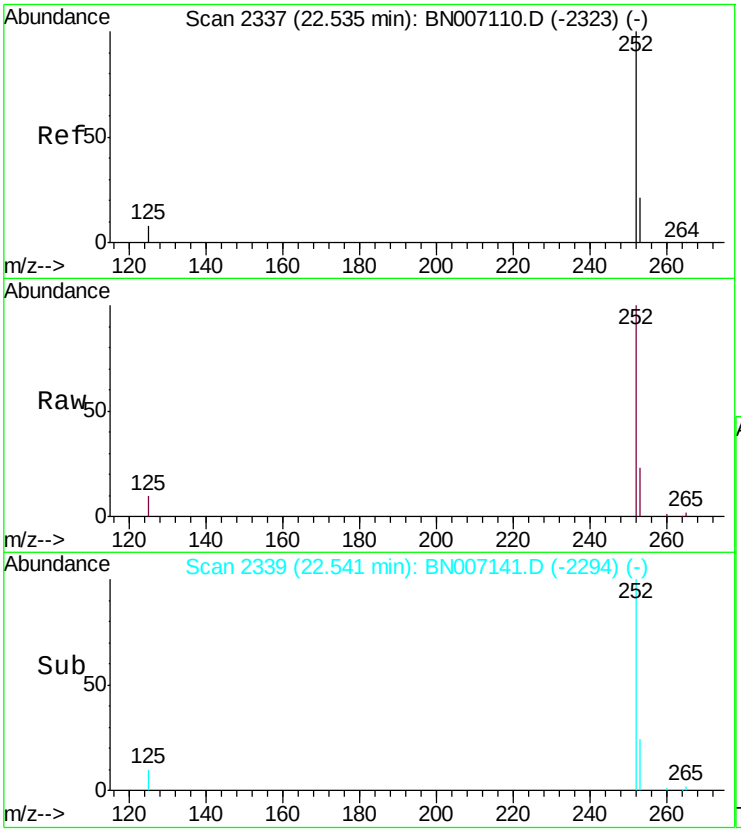


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Tgt Ion:264 Resp: 54734

Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.8	29.8
265	40.1	26.2	39.4#



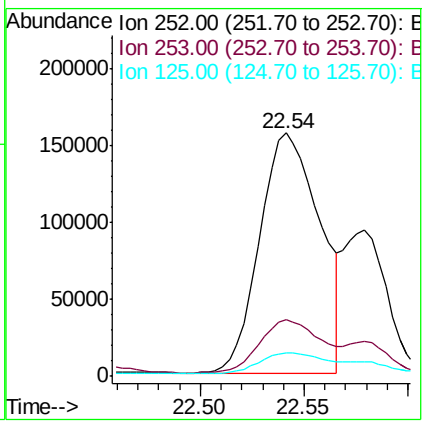


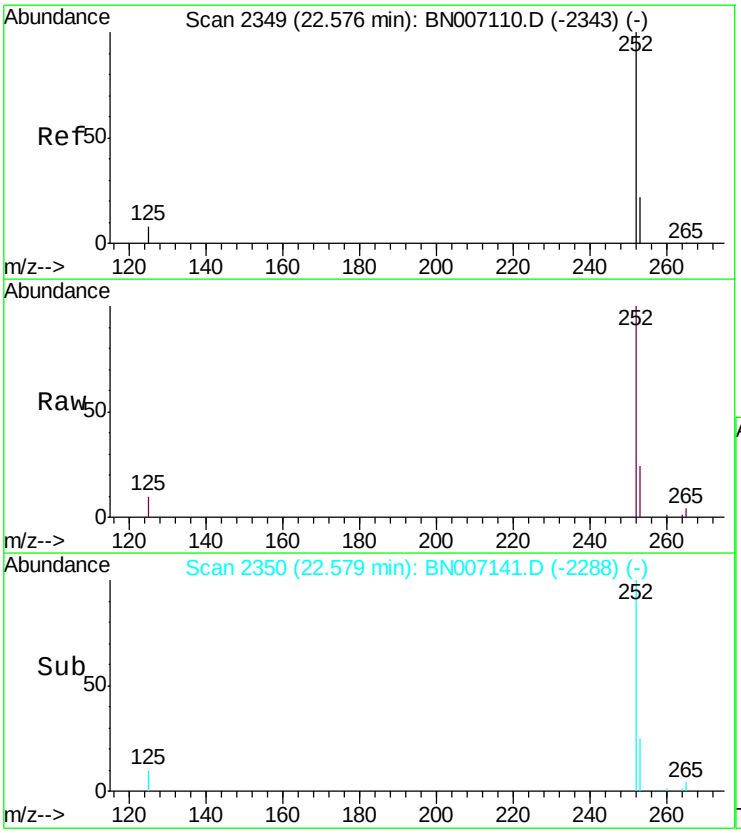
#33
Benzo(b)fluoranthene
Concen: 1.676 ng
RT: 22.54 min Scan# 2339
Delta R.T. -0.01 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW112-073119-1MSD

Tgt Ion:252 Resp: 314568

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	9.7	7.4	11.0

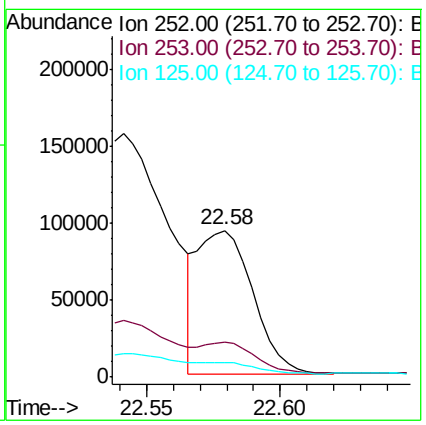


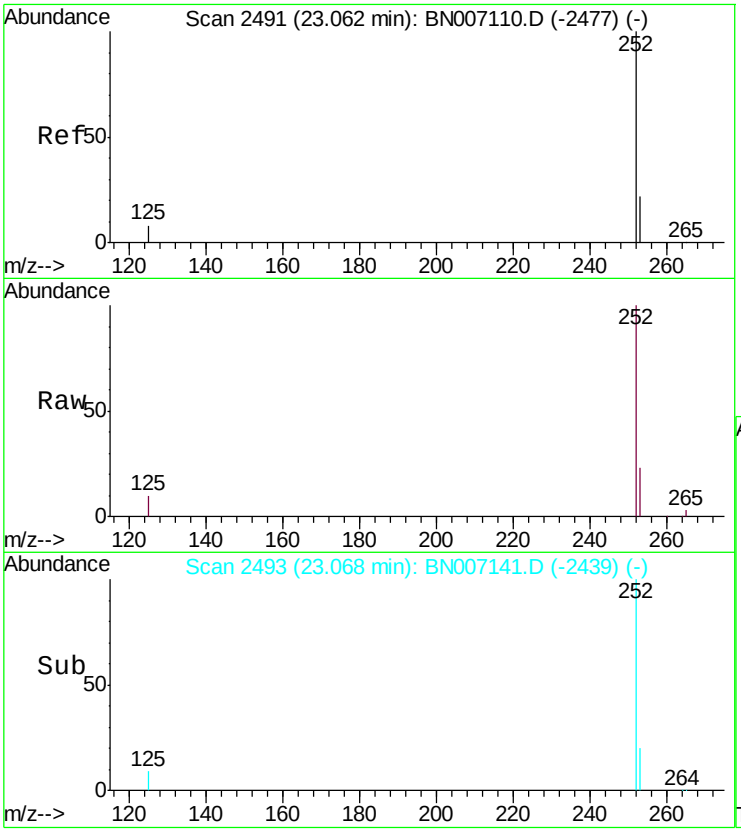


#34
Benzo(k)fluoranthene
Concen: 0.722 ng m
RT: 22.58 min Scan# 2350
Delta R.T. -0.01 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Tgt Ion:252 Resp: 133772

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	10.0	7.4	11.0



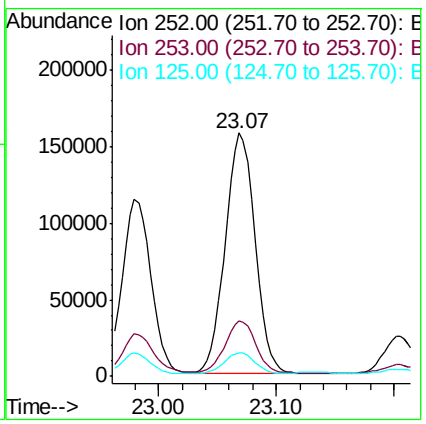


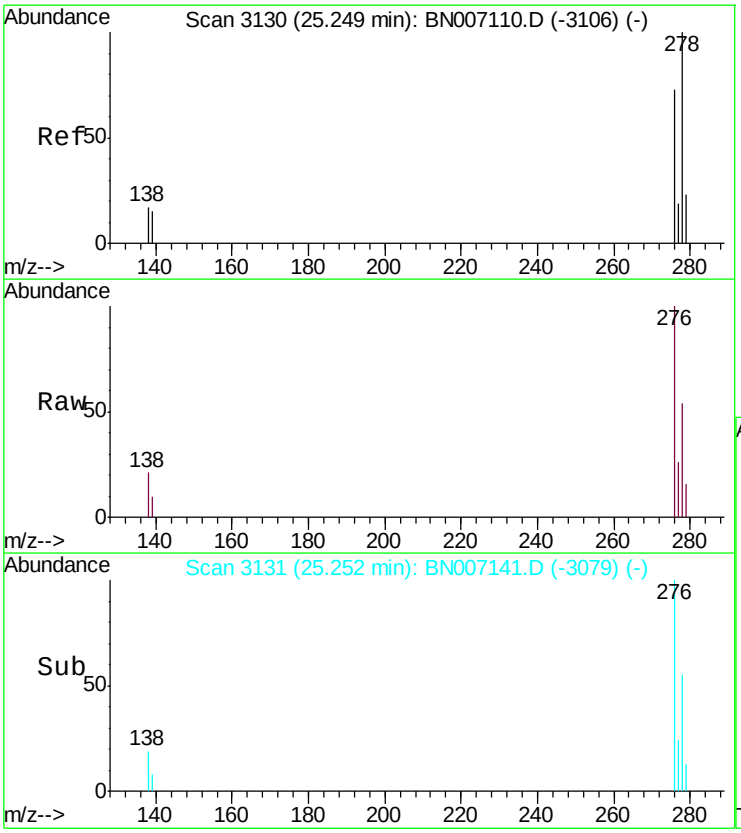
#35
Benzo(a)pyrene
Concen: 1.624 ng
RT: 23.07 min Scan# 2493
Delta R.T. -0.01 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW112-073119-1MSD

Tgt Ion:252 Resp: 276319

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.5	27.7
125	9.9	8.2	12.4

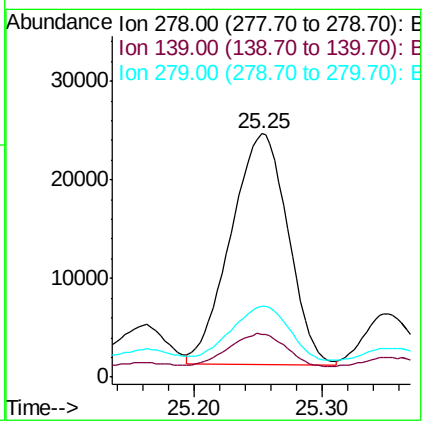


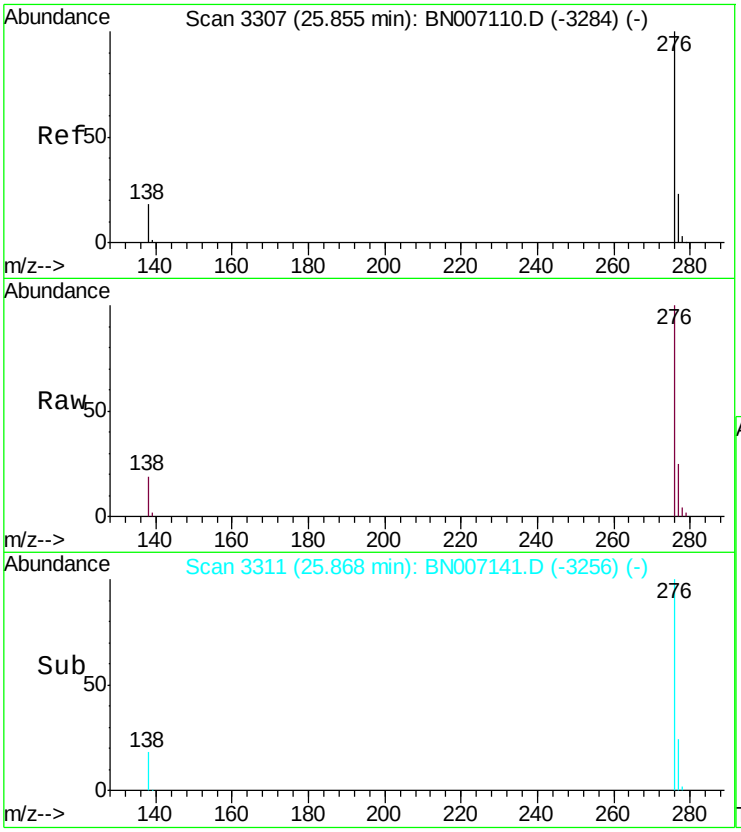


#36
Dibenzo(a,h)anthracene
Concen: 0.426 ng
RT: 25.25 min Scan# 3131
Delta R.T. -0.02 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Tgt Ion:278 Resp: 72406

Ion	Ratio	Lower	Upper
278	100		
139	17.7	11.3	16.9#
279	29.2	19.3	28.9#





#37
Benzo(g,h,i)perylene
Concen: 1.108 ng
RT: 25.87 min Scan# 3311
Delta R.T. -0.01 min
Lab File: BN007141.D
Acq: 13 Aug 2019 20:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW112-073119-1MSD

Tgt Ion:276 Resp: 193456

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.8	29.8
138	19.2	14.6	22.0