Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091919\
Data File : BN007757.D
Acq On : 20 Sep 2019 00:44
Operator : HP/JU
Sample : K4918-13MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SB-1MSD

Quant Time: Sep 20 01:51:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 18 18:24:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	7256	0.40	ng		0.00
7) Naphthalene-d8	10.47	136	29223	0.40	ng		0.00
13) Acenaphthene-d10	14.32	164	21415	0.40	ng		0.00
19) Phenanthrene-d10	17.07	188	35542	0.40	ng		0.00
27) Chrysene-d12	21.27	240	37871	0.40	ng		0.00
34) Perylene-d12	23.48	264	45935	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.32	112	7127	0.29	ng		0.00
5) Phenol-d6	6.87	99	9789	0.31	ng		0.00
8) Nitrobenzene-d5	8.83	82	8666	0.34	ng		0.00
11) 2-Methylnaphthalene-d10	12.06	152	16589	0.34	ng		0.00
14) 2,4,6-Tribromophenol	15.82	330	2700	0.23	ng		0.00
15) 2-Fluorobiphenyl	12.94	172	21918	0.25	ng		0.00
25) Fluoranthene-d10	19.11	212	37388	0.31	ng		0.00
29) Terphenyl-d14	19.71	244	29198	0.31	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.30	88	2003	0.248	ng	#	61
3) n-Nitrosodimethylamine	3.01	42	62072	16.757	ng	#	69
6) bis(2-Chloroethyl)ether	7.14	93	8127	0.396	ng		93
9) Naphthalene	10.52	128	46366	0.565	ng		100
10) Hexachlorobutadiene	10.82	225	5673	0.328	ng	#	100
12) 2-Methylnaphthalene	12.13	142	25635	0.462	ng		100
16) Acenaphthylene	14.03	152	108938	0.959	ng		99
17) Acenaphthene	14.38	154	30256	0.413	ng		97
18) Fluorene	15.37	166	39541	0.421	ng		98
20) 4-Bromophenyl-phenylether	16.26	248	8556	0.397	ng	#	16
21) Hexachlorobenzene	16.39	284	7091	0.301	ng	#	42
22) Pentachlorophenol	16.72	266	7642	0.879	ng	#	78
23) Phenanthrene	17.20	178	166941	1.508	ng		99
24) Anthracene	17.20	178	165362	1.654	ng		98
26) Fluoranthene	19.14	202	969750	7.044	ng		98
28) Pyrene	19.50	202	922713	7.144	ng	#	94
30) Benzo(a)anthracene	21.25	228	730281	5.236	ng		96
31) Chrysene	21.25	228	675895	4.973	ng		97
32) Bis(2-ethylhexyl)phthalate	21.20	149	93865	1.309	ng	#	84
33) Indeno(1,2,3-cd)pyrene	25.70	276	435041	2.556	ng		97
35) Benzo(b)fluoranthene	22.82	252	875557	5.490	ng		98
36) Benzo(k)fluoranthene	22.82	252	875733	5.553	ng		99
37) Benzo(a)pyrene	23.39	252	603116	4.025	ng		99
38) Dibenzo(a,h)anthracene	25.71	278	150165	0.979	ng	#	94
39) Benzo(g,h,i)perylene	26.37	276	415982	2.742	ng		100

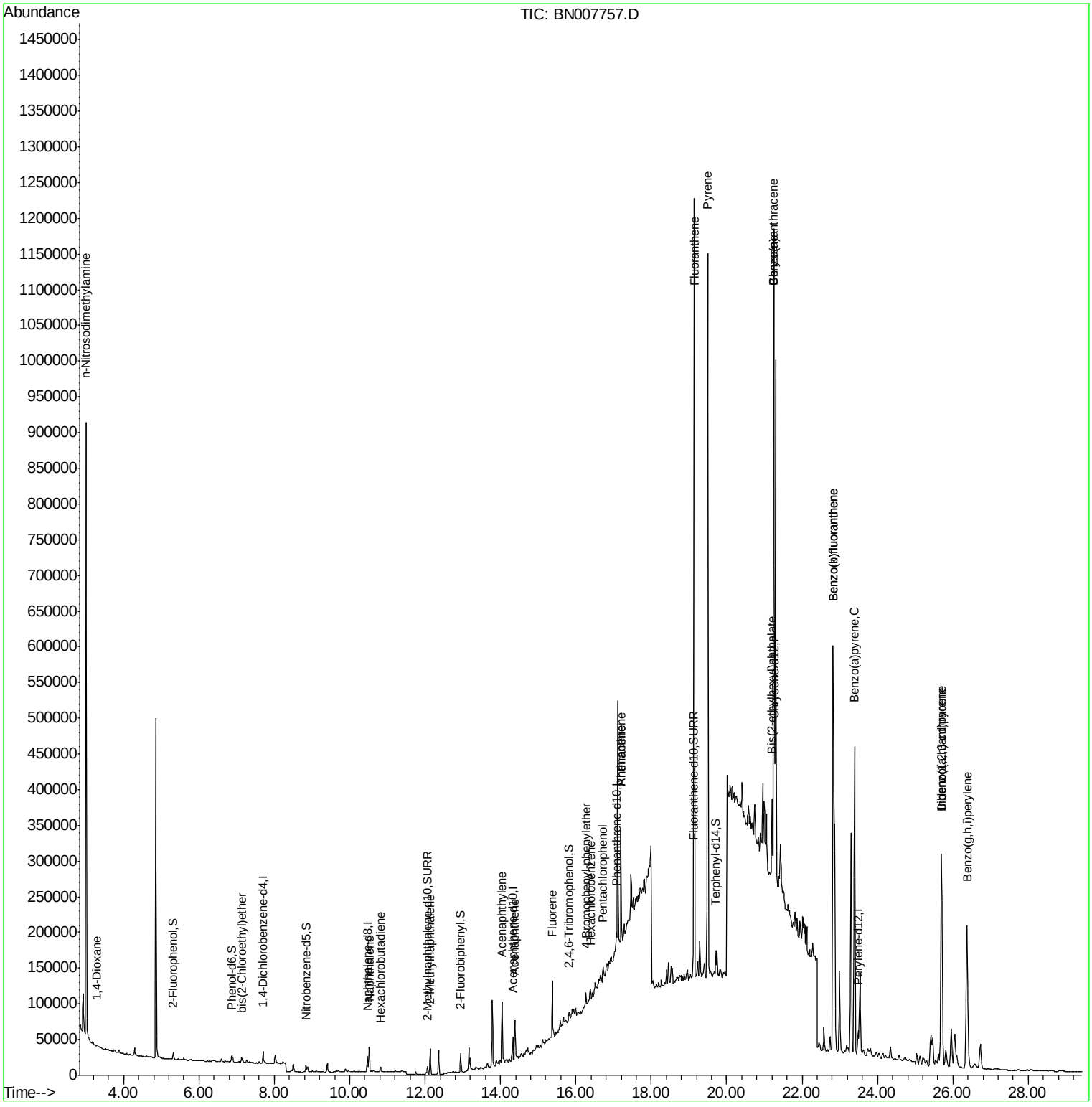
(#) = qualifier out of range (m) = manual integration (+) = signals summed

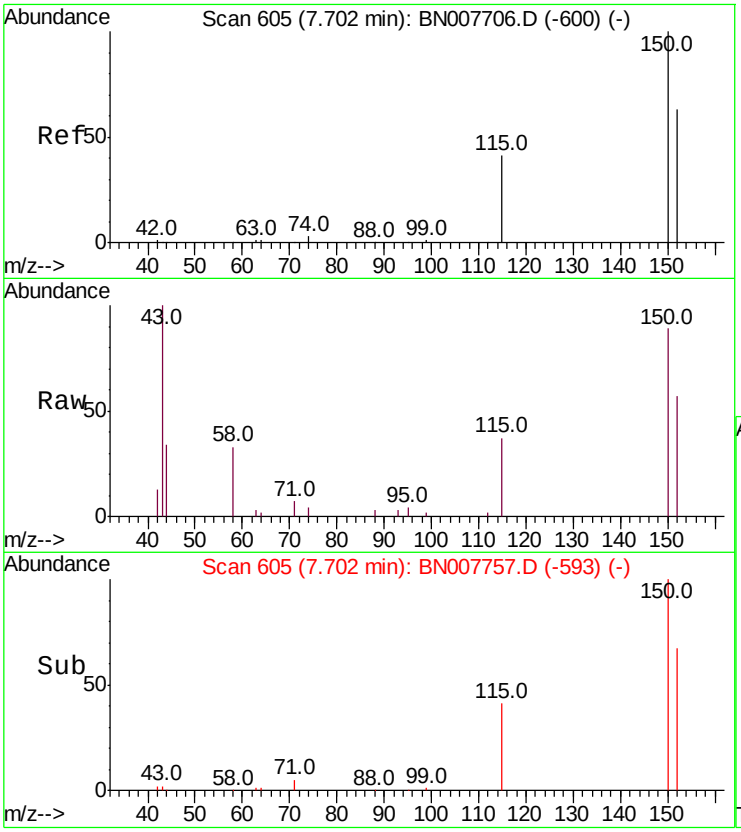
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091919\
Data File : BN007757.D
Acq On : 20 Sep 2019 00:44
Operator : HP/JU
Sample : K4918-13MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SB-1MSD

Quant Time: Sep 20 01:51:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 18 18:24:40 2019
Response via : Initial Calibration



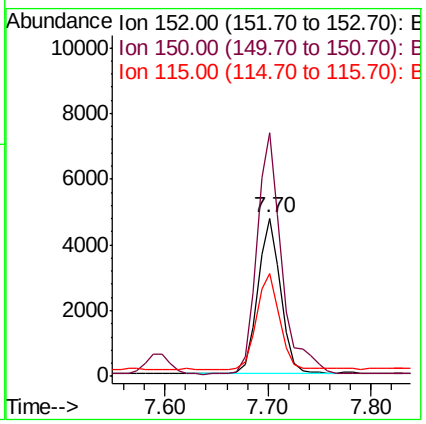


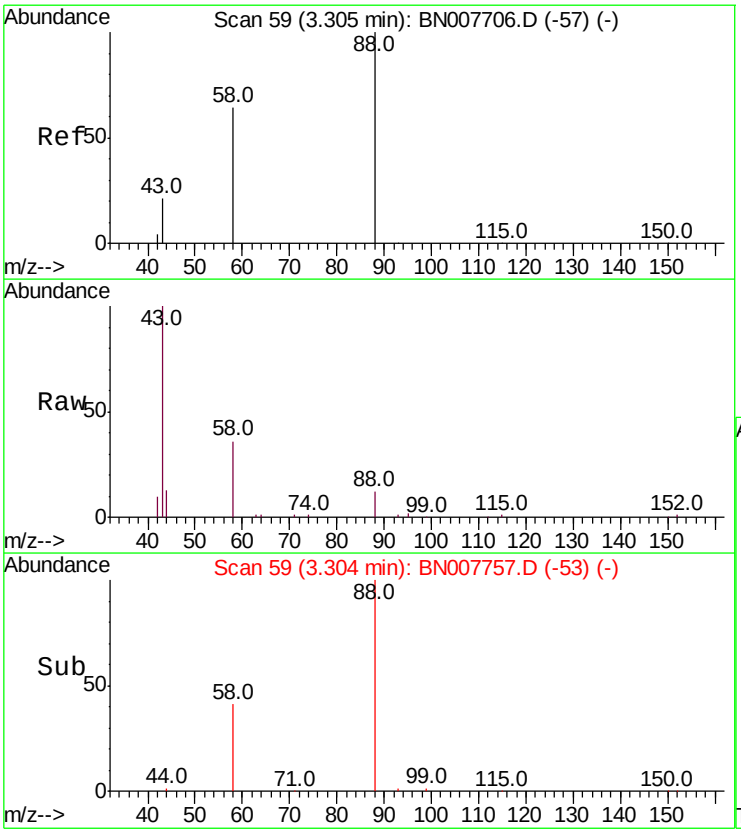
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.70 min Scan# 605
Delta R.T. -0.00 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Instrument :
BNA_N
ClientSampleId :
SB-1MSD

Tgt Ion:152 Resp: 7256

Ion	Ratio	Lower	Upper
152	100		
150	154.2	125.6	188.4
115	64.9	53.3	79.9

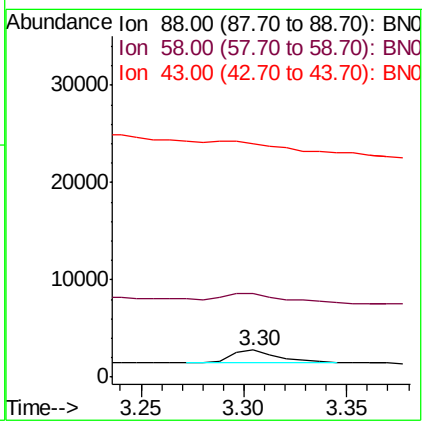


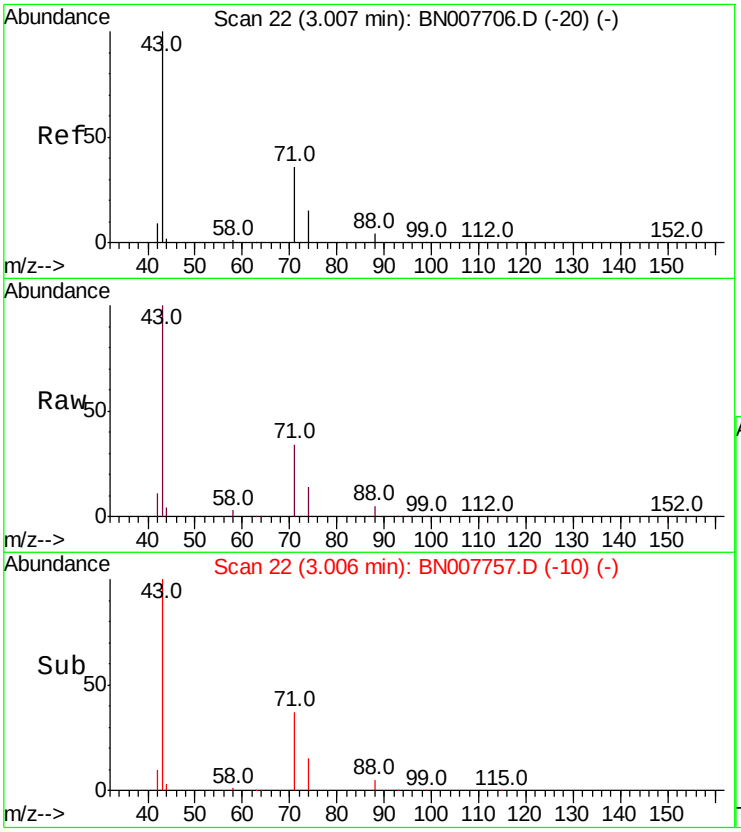


#2
1,4-Dioxane
Concen: 0.248 ng
RT: 3.30 min Scan# 59
Delta R.T. -0.00 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Tgt Ion: 88 Resp: 2003

Ion	Ratio	Lower	Upper
88	100		
58	84.0	44.6	66.8#
43	0.0	14.4	21.6#



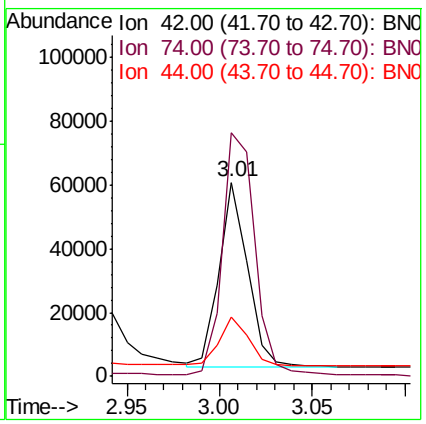


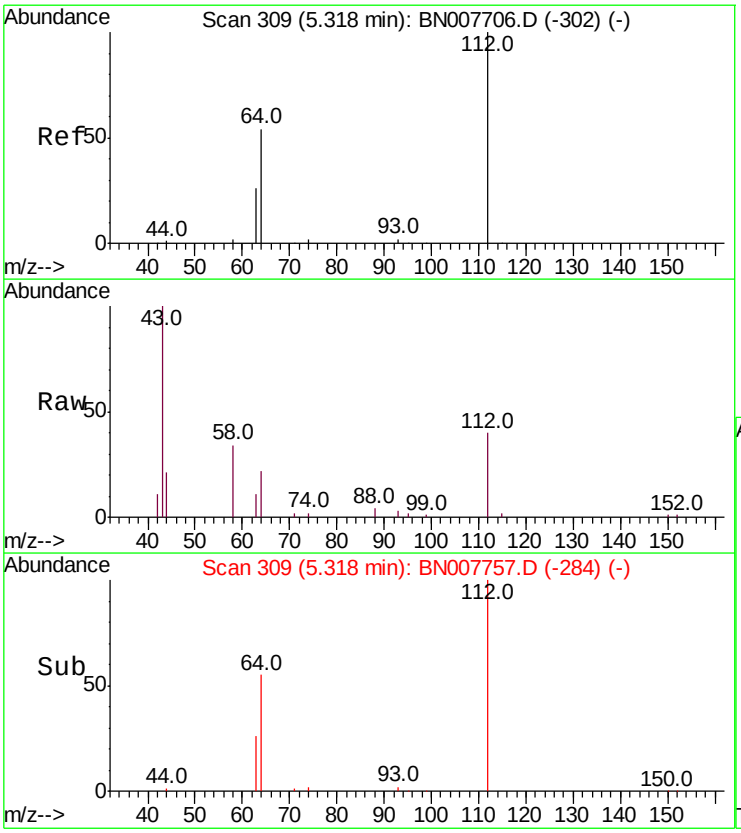
#3
n-Nitrosodimethylamine
Concen: 16.757 ng
RT: 3.01 min Scan# 22
Delta R.T. -0.00 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Instrument :
BNA_N
ClientSampleId :
SB-1MSD

Tgt Ion: 42 Resp: 62072

Ion	Ratio	Lower	Upper
42	100		
74	148.6	87.9	131.9#
44	27.5	29.4	44.0#

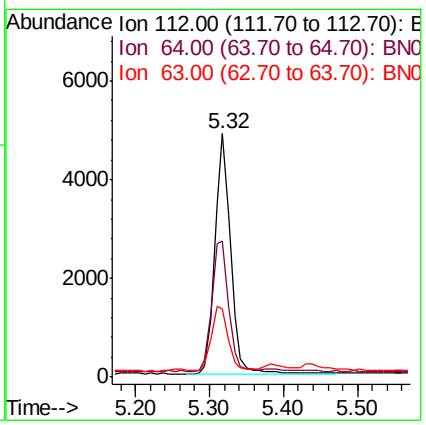


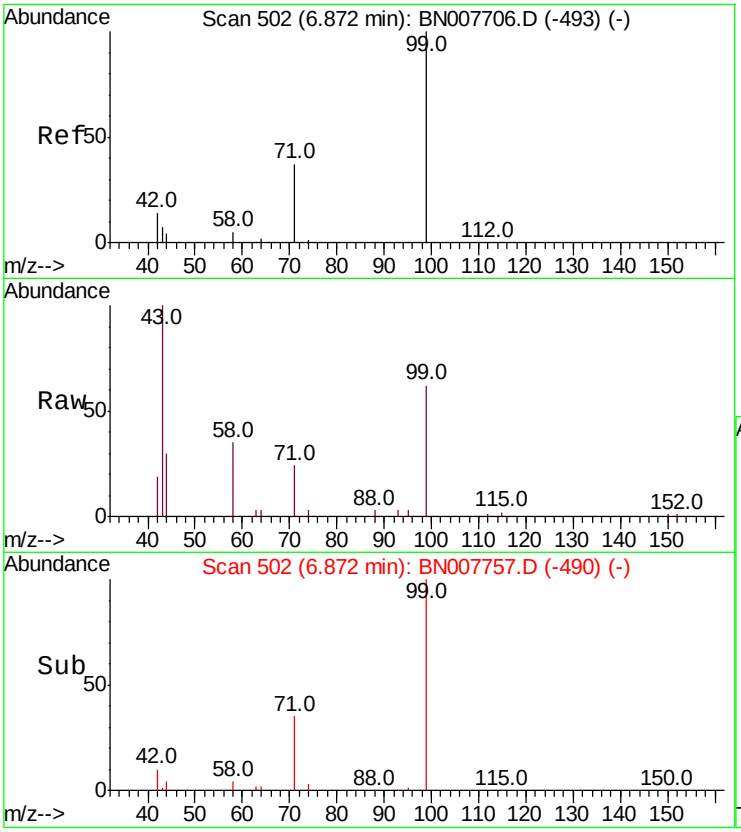


#4
2-Fluorophenol
Concen: 0.285 ng
RT: 5.32 min Scan# 309
Delta R.T. -0.00 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Tgt Ion:112 Resp: 7127

Ion	Ratio	Lower	Upper
112	100		
64	58.0	46.6	70.0
63	28.2	23.1	34.7



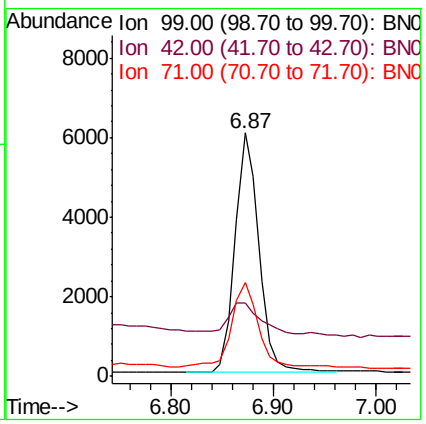


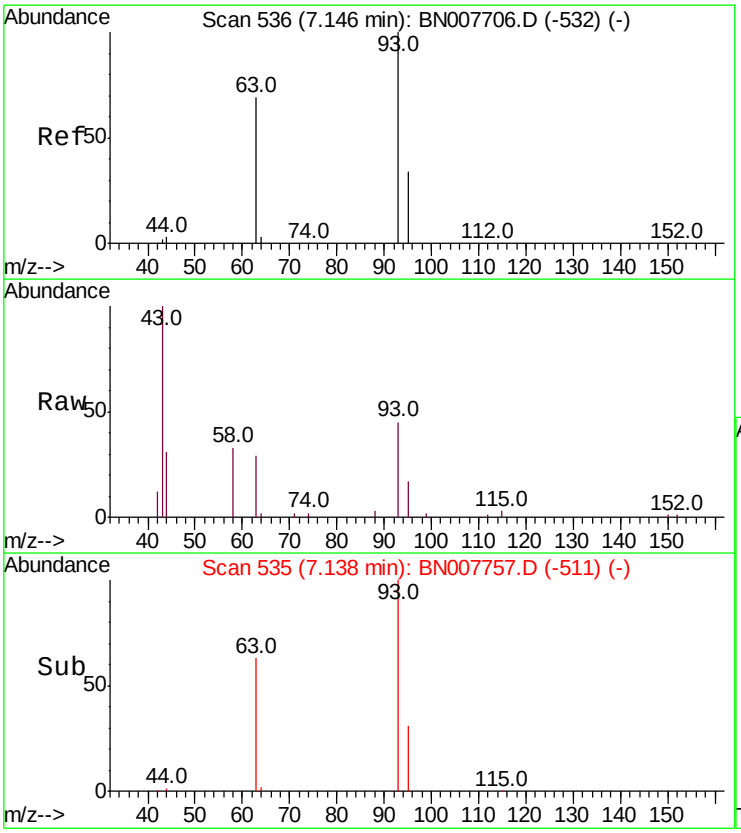
#5
Phenol-d6
Concen: 0.313 ng
RT: 6.87 min Scan# 502
Delta R.T. 0.00 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Instrument :
BNA_N
ClientSampleId :
SB-1MSD

Tgt Ion: 99 Resp: 9789

Ion	Ratio	Lower	Upper
99	100		
42	23.1	12.8	19.2#
71	38.9	27.6	41.4

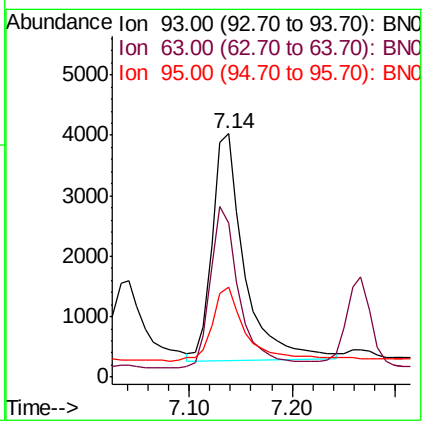


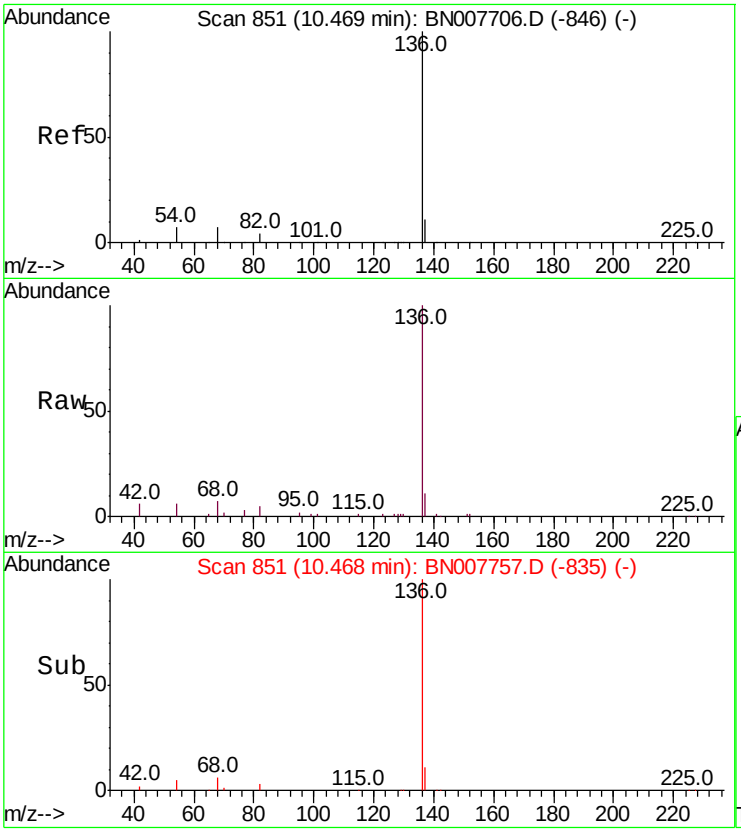


#6
bis(2-Chloroethyl)ether
Concen: 0.396 ng
RT: 7.14 min Scan# 535
Delta R.T. -0.01 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Tgt Ion: 93 Resp: 8127

Ion	Ratio	Lower	Upper
93	100		
63	66.9	59.3	88.9
95	37.2	31.4	47.0



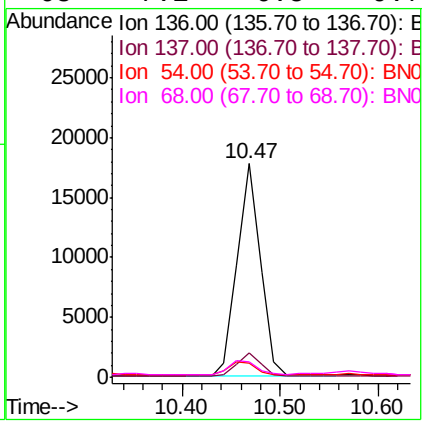


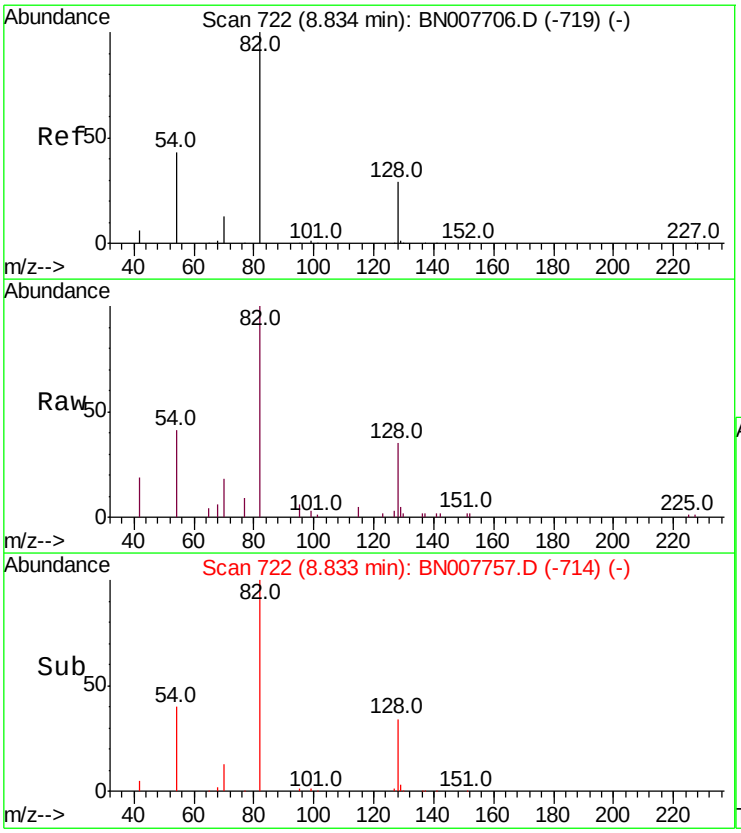
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.47 min Scan# 851
Delta R.T. -0.00 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Instrument :
BNA_N
ClientSampleId :
SB-1MSD

Tgt Ion:136 Resp: 29223

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	6.4	5.8	8.8
68	7.1	6.5	9.7

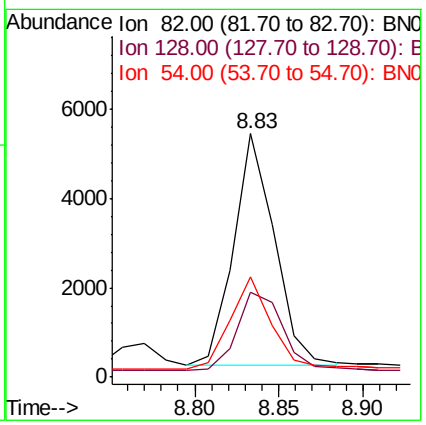


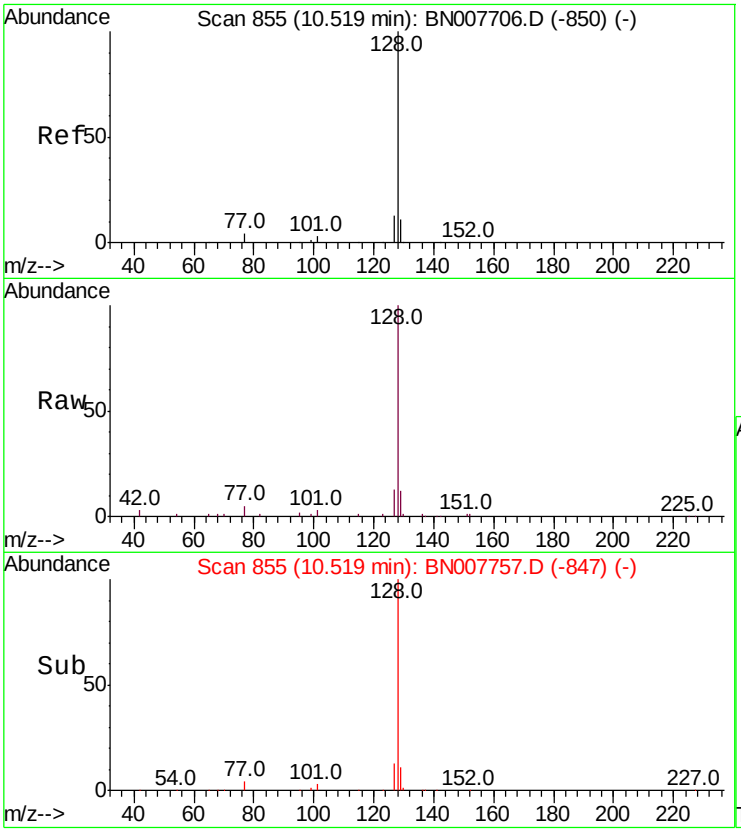


#8
Nitrobenzene-d5
Concen: 0.339 ng
RT: 8.83 min Scan# 722
Delta R.T. -0.00 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Tgt Ion: 82 Resp: 8666

Ion	Ratio	Lower	Upper
82	100		
128	34.7	24.5	36.7
54	41.0	35.2	52.8



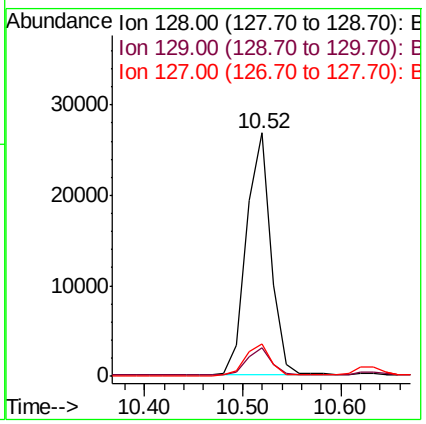


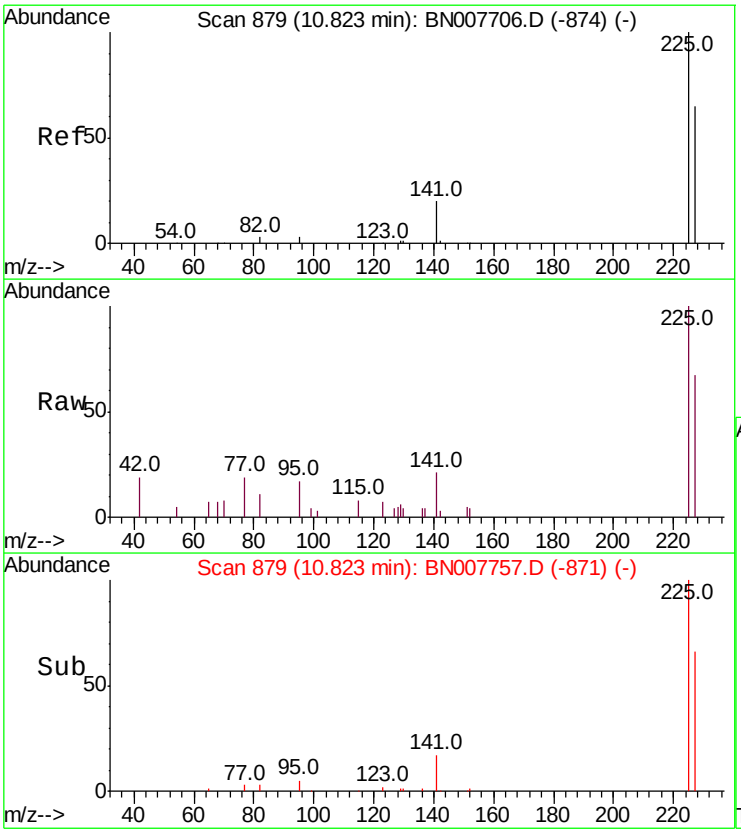
#9
Naphthalene
Concen: 0.565 ng
RT: 10.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Instrument :
BNA_N
ClientSampleId :
SB-1MSD

Tgt Ion:128 Resp: 46366

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.1	13.7
127	13.3	10.6	15.8

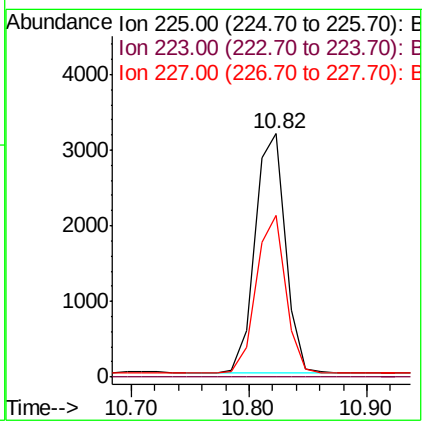


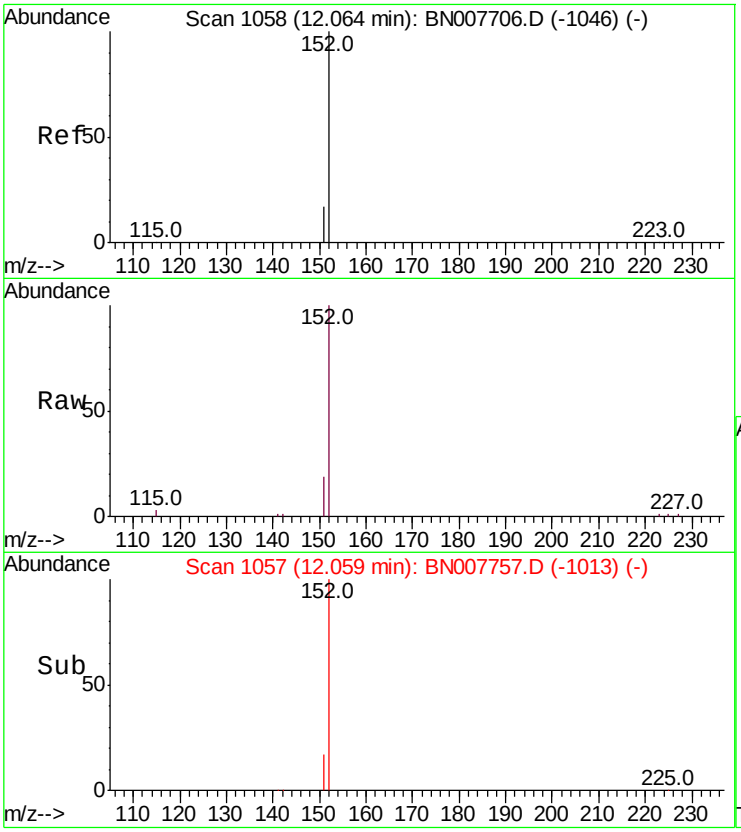


#10
Hexachlorobutadiene
Concen: 0.328 ng
RT: 10.82 min Scan# 879
Delta R.T. -0.00 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Tgt Ion:225 Resp: 5673

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	51.2	76.8



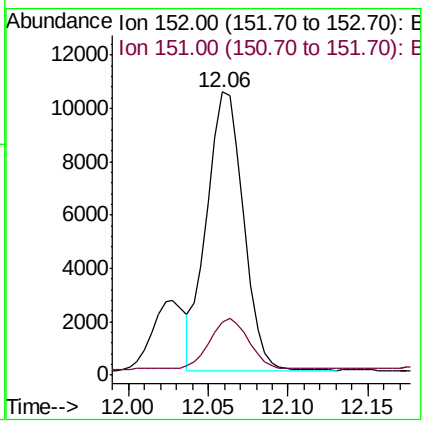


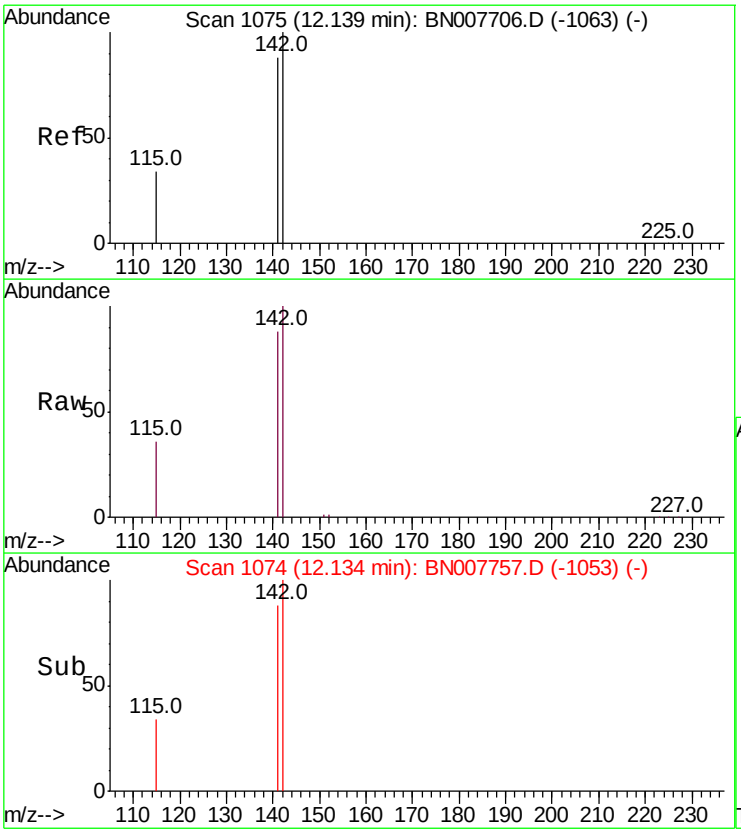
#11
2-Methylnaphthalene-d10
Concen: 0.337 ng
RT: 12.06 min Scan# 1057
Delta R.T. -0.00 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Instrument :
BNA_N
ClientSampleId :
SB-1MSD

Tgt Ion:152 Resp: 16589

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.4	23.2

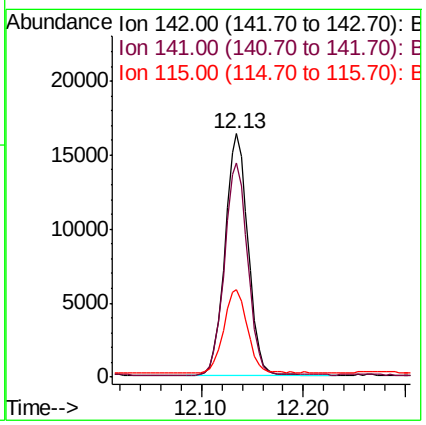


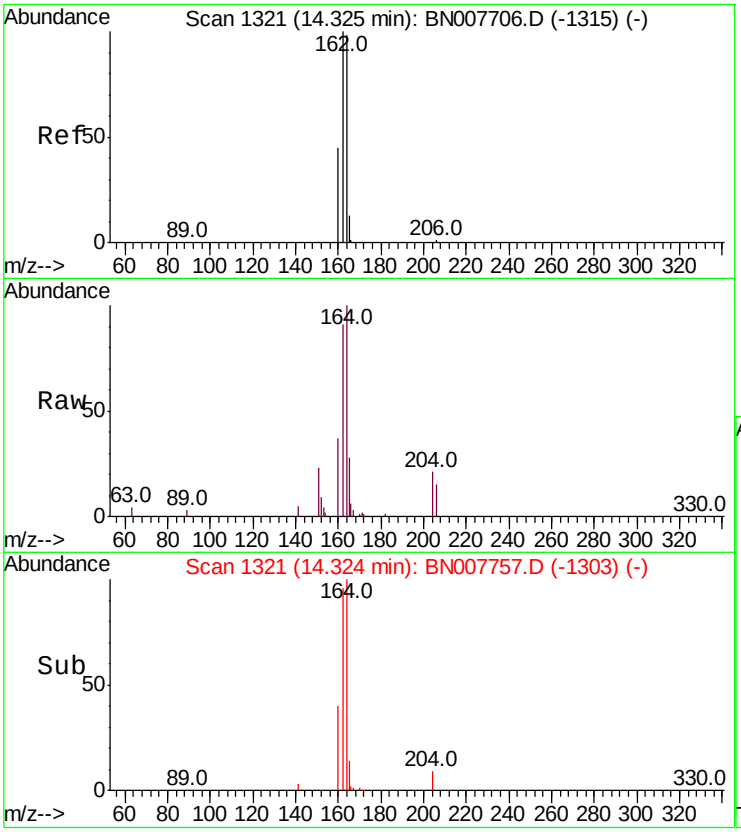


#12
2-Methylnaphthalene
Concen: 0.462 ng
RT: 12.13 min Scan# 1074
Delta R.T. -0.00 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Tgt Ion:142 Resp: 25635

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.6	106.0
115	35.9	28.3	42.5



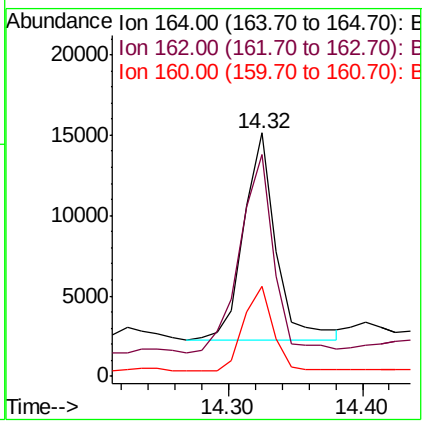


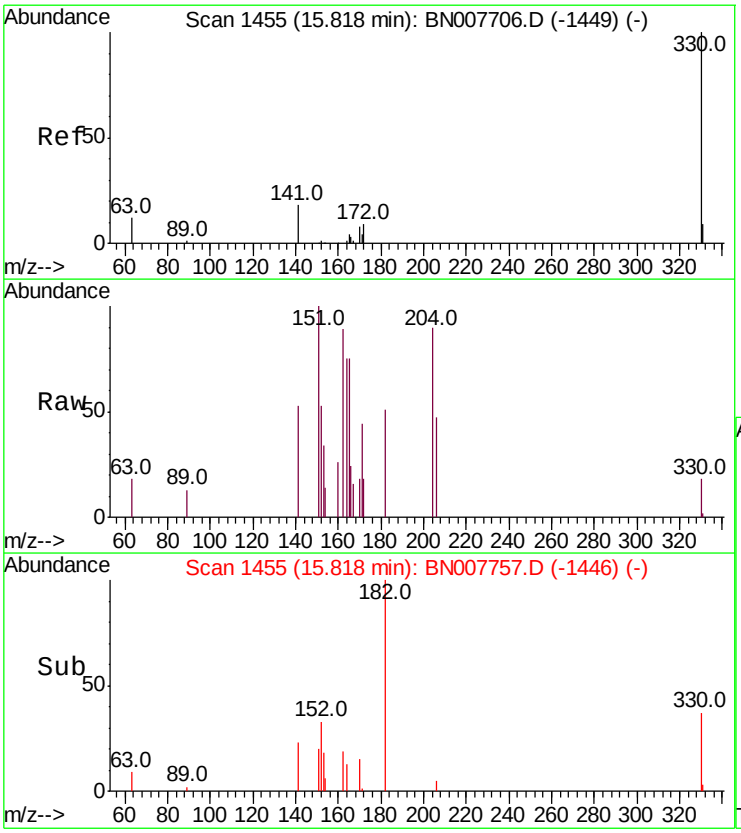
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.32 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Instrument :
BNA_N
ClientSampleId :
SB-1MSD

Tgt Ion:164 Resp: 21415

Ion	Ratio	Lower	Upper
164	100		
162	90.9	81.7	122.5
160	36.9	37.0	55.4#

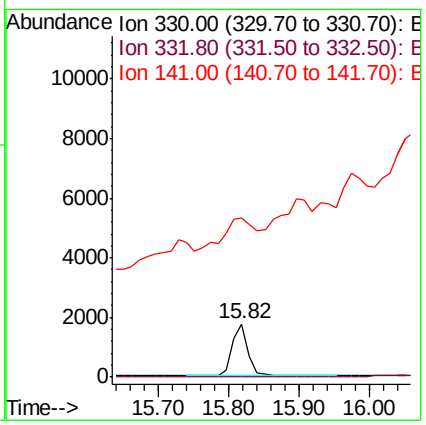


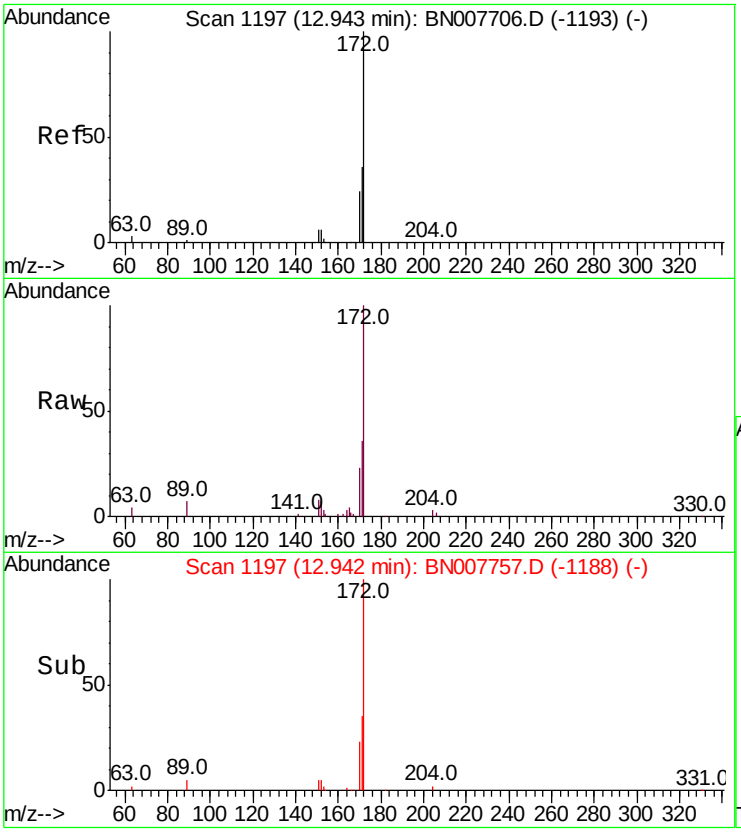


#14
2,4,6-Tribromophenol
Concen: 0.231 ng
RT: 15.82 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Tgt Ion:330 Resp: 2700

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	124.4	28.7	43.1#



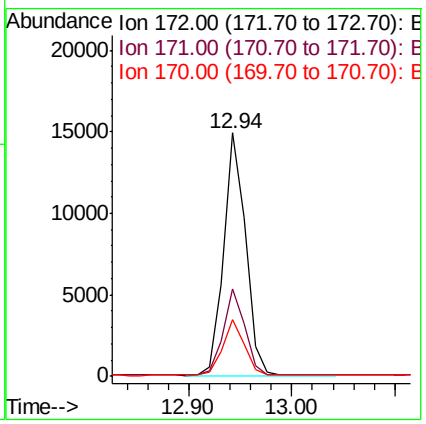


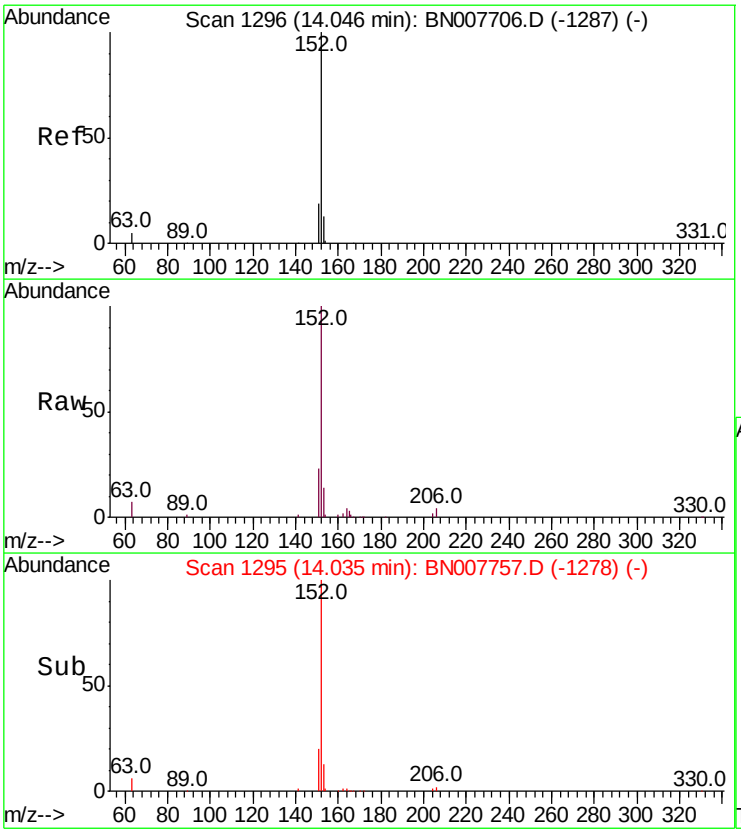
#15
2-Fluorobiphenyl
Concen: 0.248 ng
RT: 12.94 min Scan# 1197
Delta R.T. -0.00 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Instrument :
BNA_N
ClientSampleId :
SB-1MSD

Tgt Ion:172 Resp: 21918

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.8	43.2
170	23.1	19.5	29.3

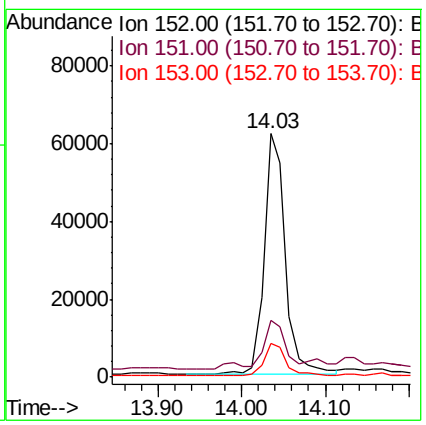


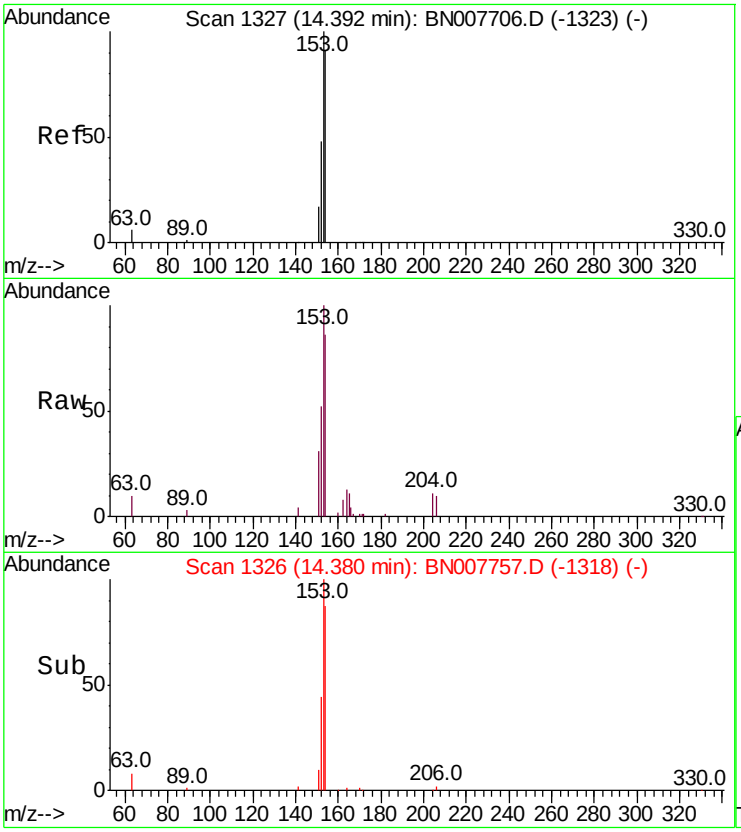


#16
Acenaphthylene
Concen: 0.959 ng
RT: 14.03 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Tgt Ion:152 Resp: 108938

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.5	23.3
153	13.9	10.4	15.6



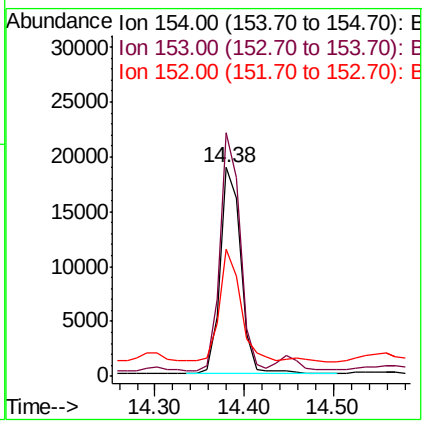


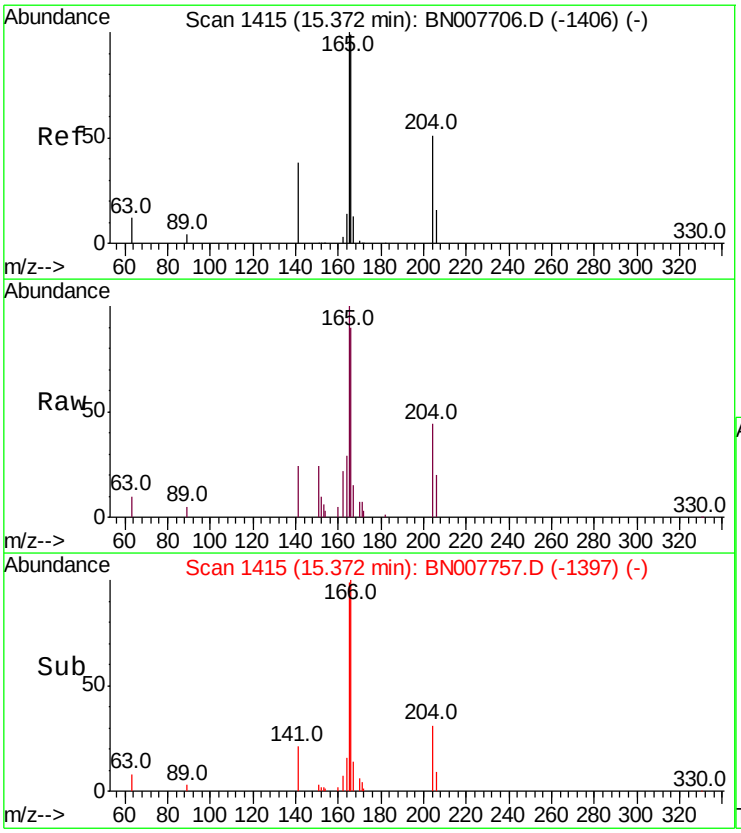
#17
Acenaphthene
Concen: 0.413 ng
RT: 14.38 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Instrument :
BNA_N
ClientSampleId :
SB-1MSD

Tgt Ion:154 Resp: 30256

Ion	Ratio	Lower	Upper
154	100		
153	111.9	87.0	130.4
152	55.3	42.7	64.1

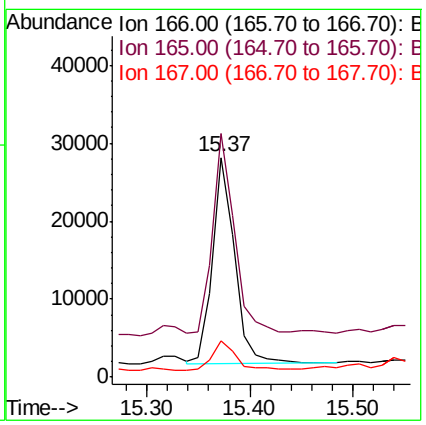


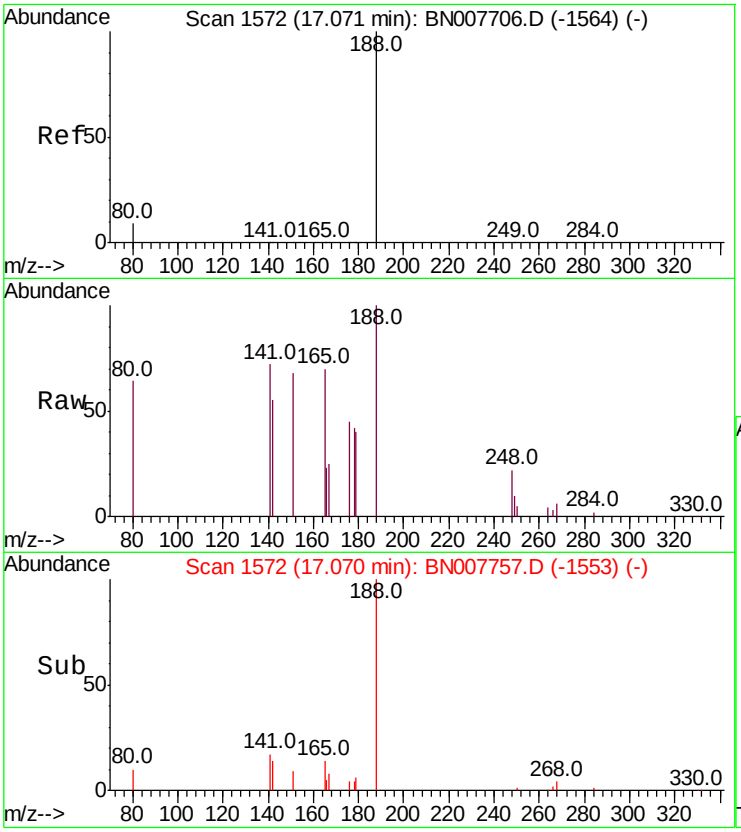


#18
Fluorene
Concen: 0.421 ng
RT: 15.37 min Scan# 1415
Delta R.T. -0.00 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Tgt Ion:166 Resp: 39541

Ion	Ratio	Lower	Upper
166	100		
165	96.5	78.0	117.0
167	16.0	10.9	16.3



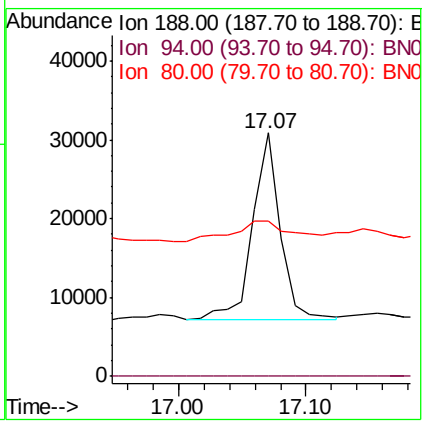


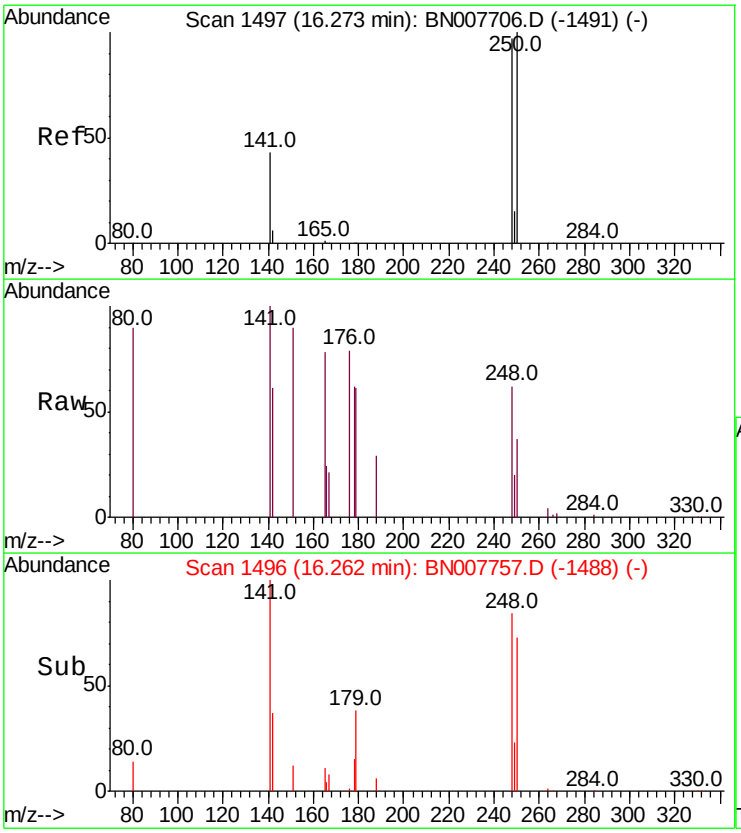
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.07 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Instrument :
BNA_N
ClientSampleId :
SB-1MSD

Tgt Ion:188 Resp: 35542

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	63.8	7.4	11.2#

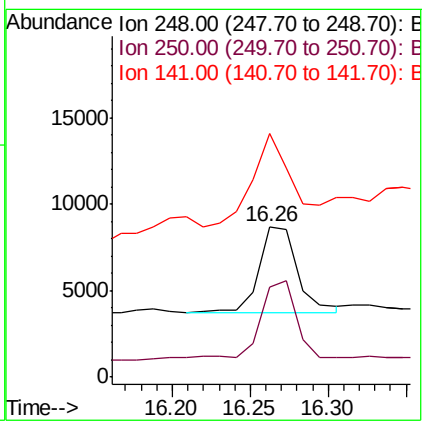


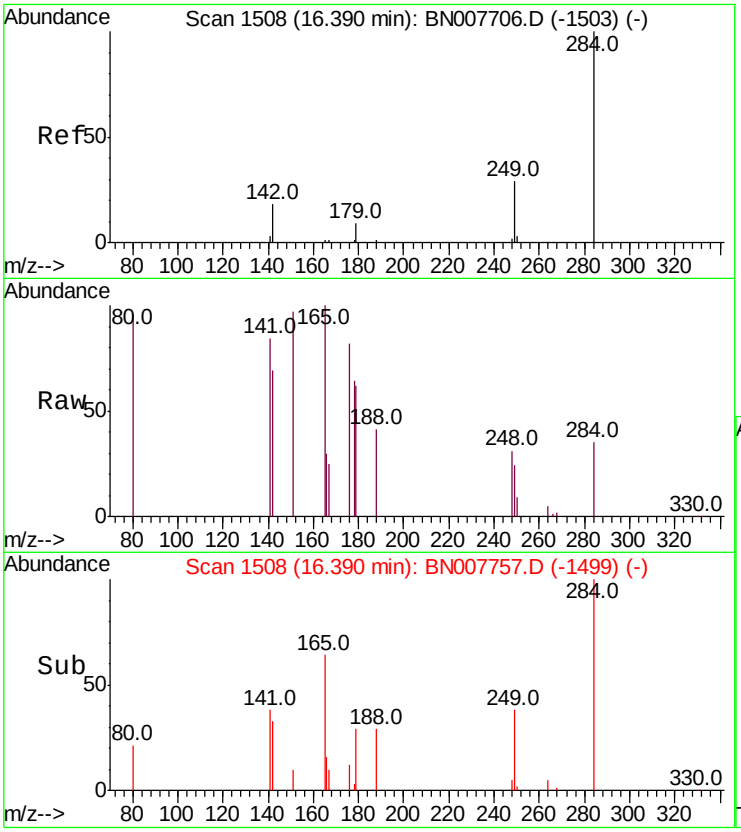


#20
4-Bromophenyl-phenylether
Concen: 0.397 ng
RT: 16.26 min Scan# 1496
Delta R.T. -0.01 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Tgt Ion:248 Resp: 8556

Ion	Ratio	Lower	Upper
248	100		
250	59.7	82.2	123.4#
141	161.8	36.3	54.5#



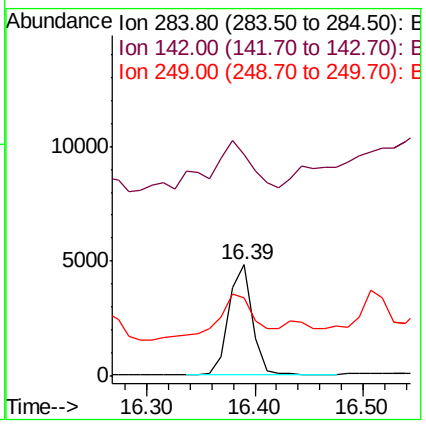


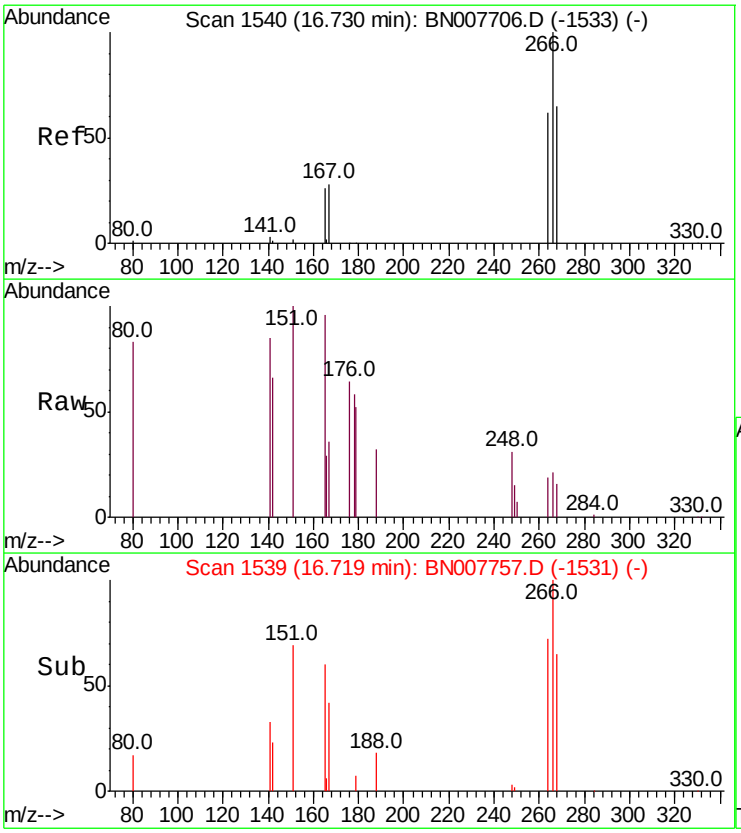
#21
Hexachlorobenzene
Concen: 0.301 ng
RT: 16.39 min Scan# 1508
Delta R.T. -0.00 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Instrument :
BNA_N
ClientSampleId :
SB-1MSD

Tgt Ion:284 Resp: 7091

Ion	Ratio	Lower	Upper
284	100		
142	72.8	25.8	38.6#
249	56.8	25.9	38.9#

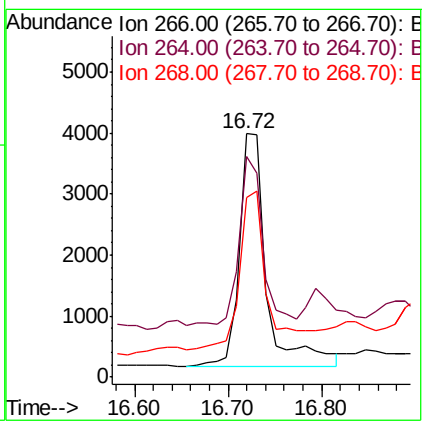


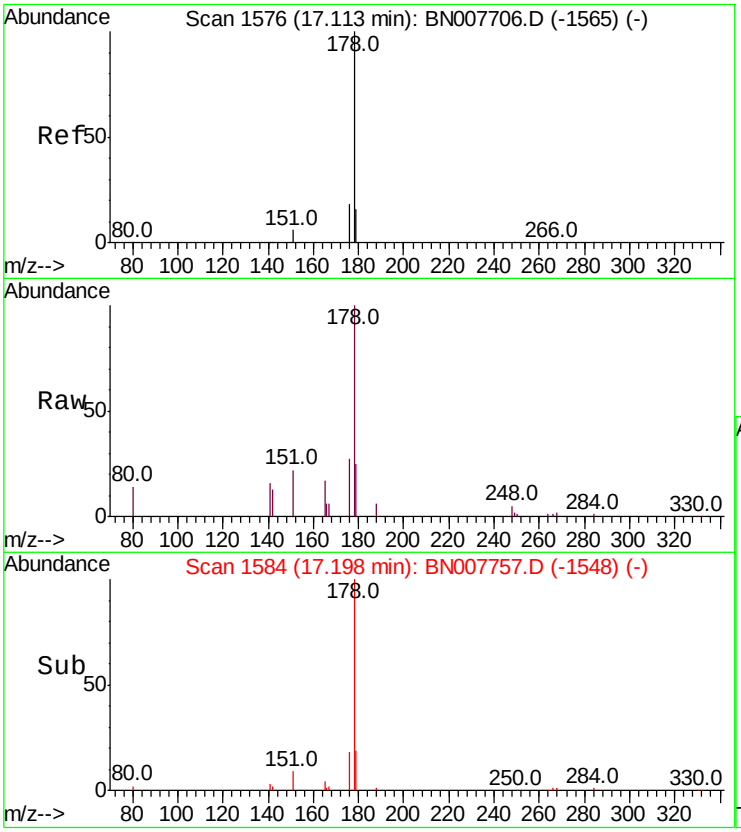


#22
Pentachlorophenol
Concen: 0.879 ng
RT: 16.72 min Scan# 1539
Delta R.T. -0.01 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Tgt Ion:266 Resp: 7642

Ion	Ratio	Lower	Upper
266	100		
264	90.8	50.0	75.0#
268	74.0	54.2	81.4



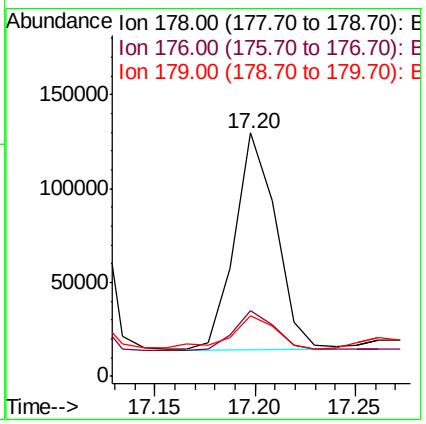


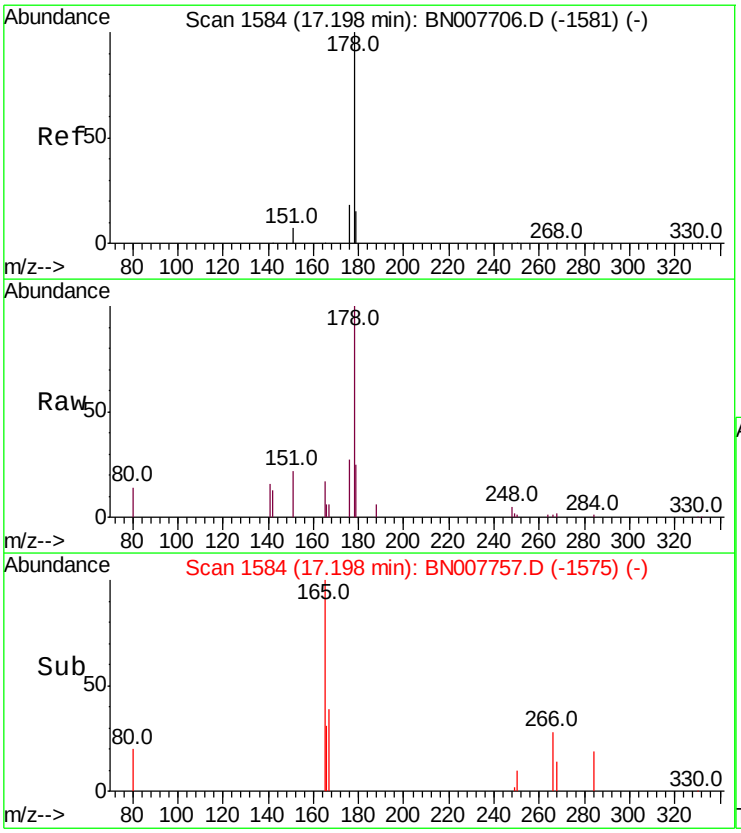
#23
Phenanthrene
Concen: 1.508 ng
RT: 17.20 min Scan# 1584
Delta R.T. 0.08 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Instrument :
BNA_N
ClientSampleId :
SB-1MSD

Tgt Ion:178 Resp: 166941

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	16.6	12.5	18.7

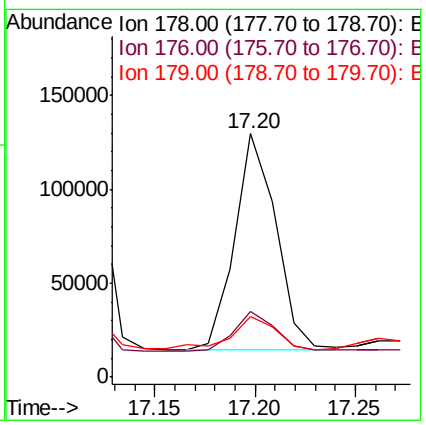


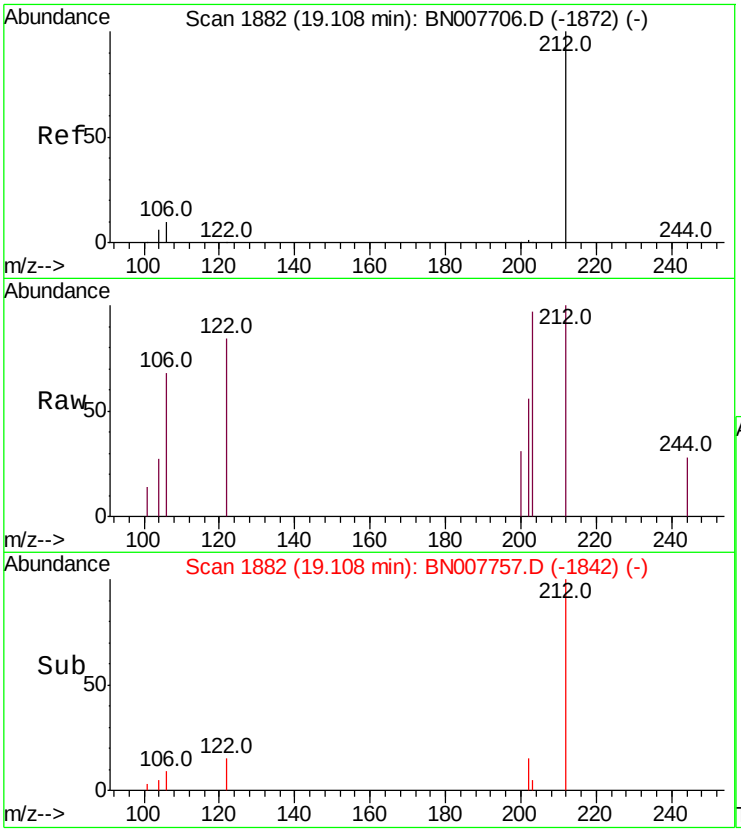


#24
Anthracene
Concen: 1.654 ng
RT: 17.20 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Tgt Ion:178 Resp: 165362

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	21.8
179	16.6	12.2	18.4



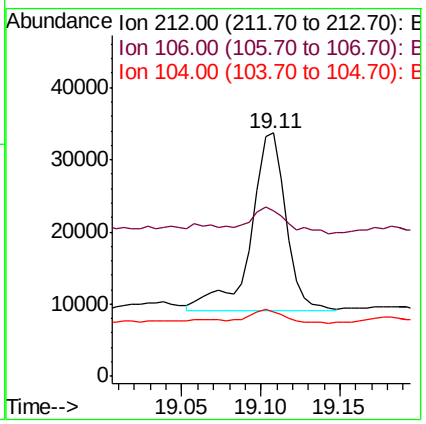


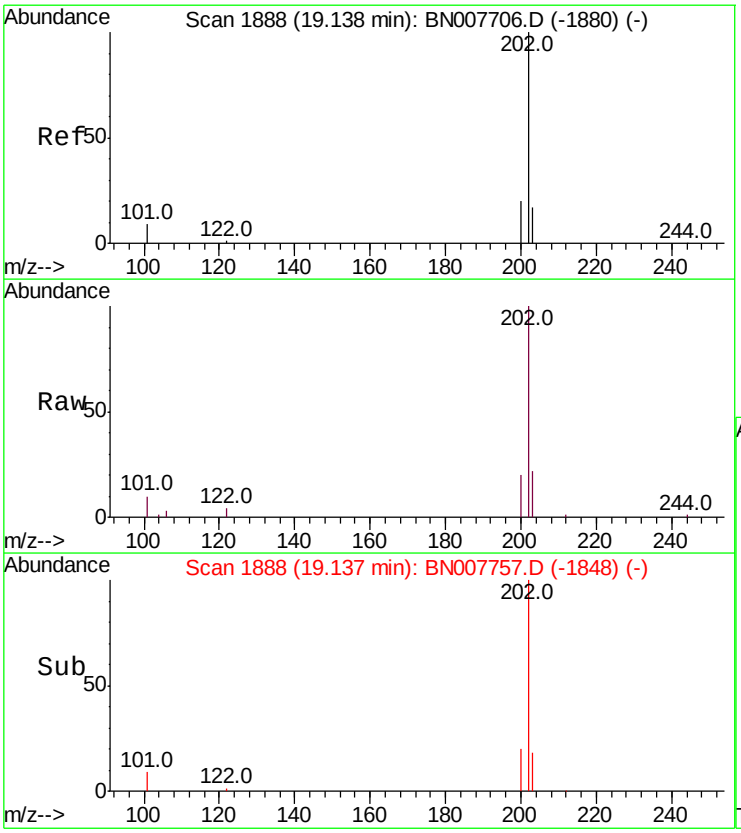
#25
Fluoranthene-d10
Concen: 0.312 ng
RT: 19.11 min Scan# 1882
Delta R.T. -0.00 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Instrument :
BNA_N
ClientSampleId :
SB-1MSD

Tgt Ion:212 Resp: 37388

Ion	Ratio	Lower	Upper
212	100		
106	15.3	9.4	14.0#
104	7.5	5.3	7.9

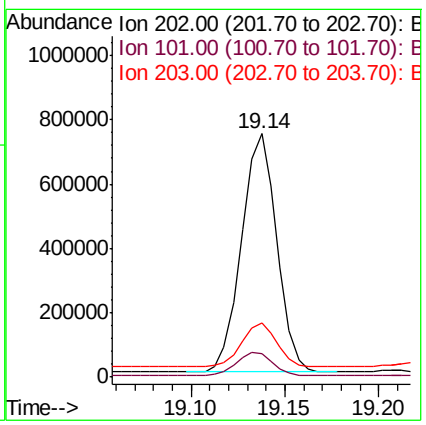


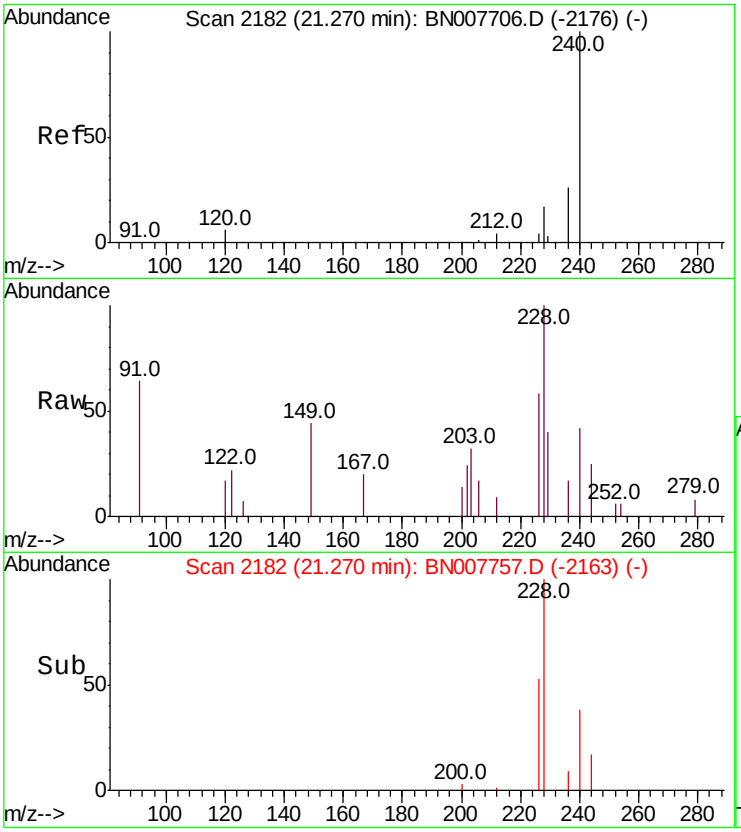


#26
Fluoranthene
Concen: 7.044 ng
RT: 19.14 min Scan# 1888
Delta R.T. -0.00 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Tgt Ion:202 Resp: 969750

Ion	Ratio	Lower	Upper
202	100		
101	10.1	8.4	12.6
203	18.2	13.8	20.8



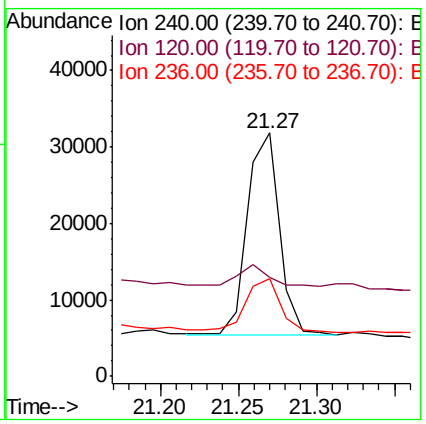


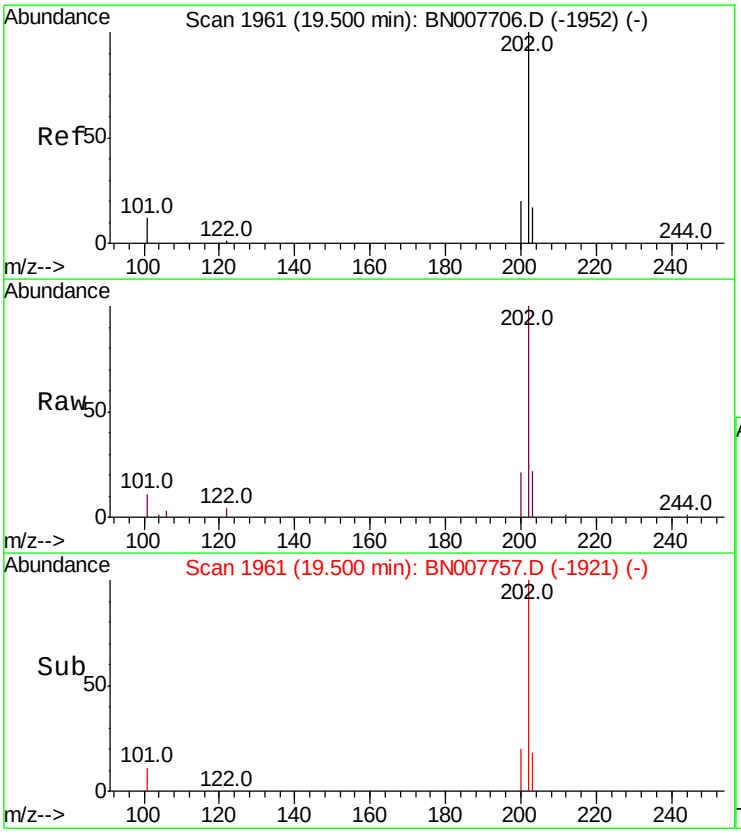
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.27 min Scan# 2182
Delta R.T. -0.00 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Instrument :
BNA_N
ClientSampleId :
SB-1MSD

Tgt Ion:240 Resp: 37871

Ion	Ratio	Lower	Upper
240	100		
120	40.5	5.4	8.2#
236	39.9	21.0	31.4#

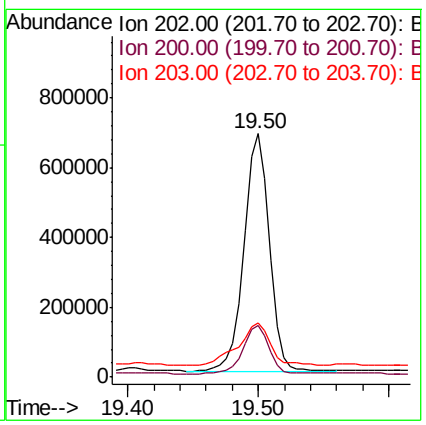


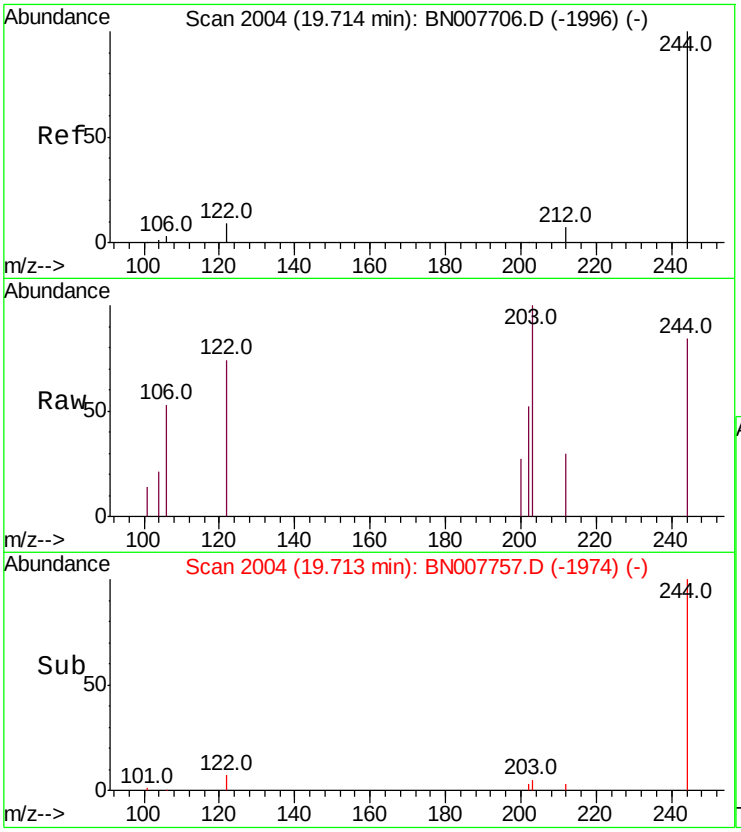


#28
Pyrene
Concen: 7.144 ng
RT: 19.50 min Scan# 1961
Delta R.T. -0.00 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Tgt Ion:202 Resp: 922713

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.4	24.6
203	22.9	14.1	21.1#



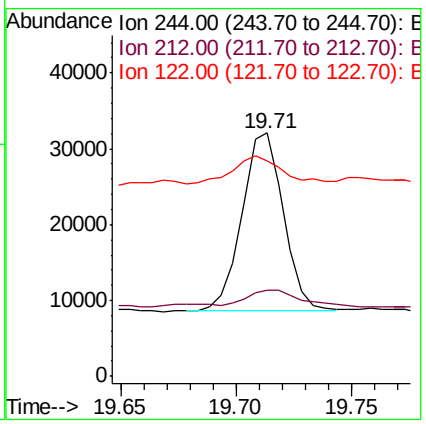


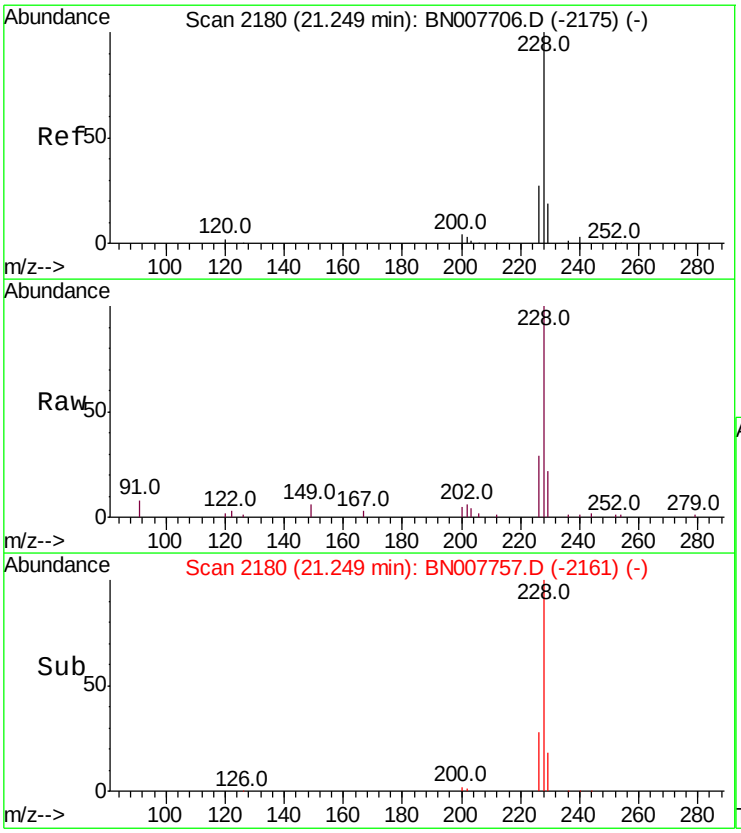
#29
Terphenyl-d14
Concen: 0.314 ng
RT: 19.71 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Instrument :
BNA_N
ClientSampleId :
SB-1MSD

Tgt Ion:244 Resp: 29198

Ion	Ratio	Lower	Upper
244	100		
212	35.4	5.9	8.9#
122	88.4	7.4	11.2#

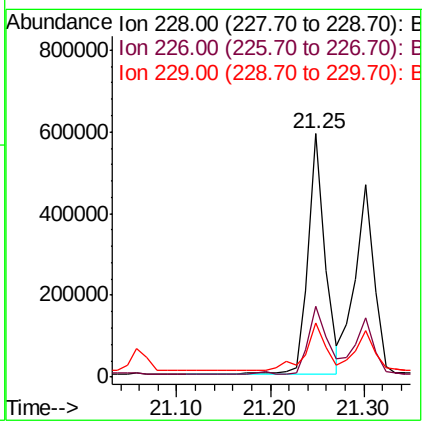


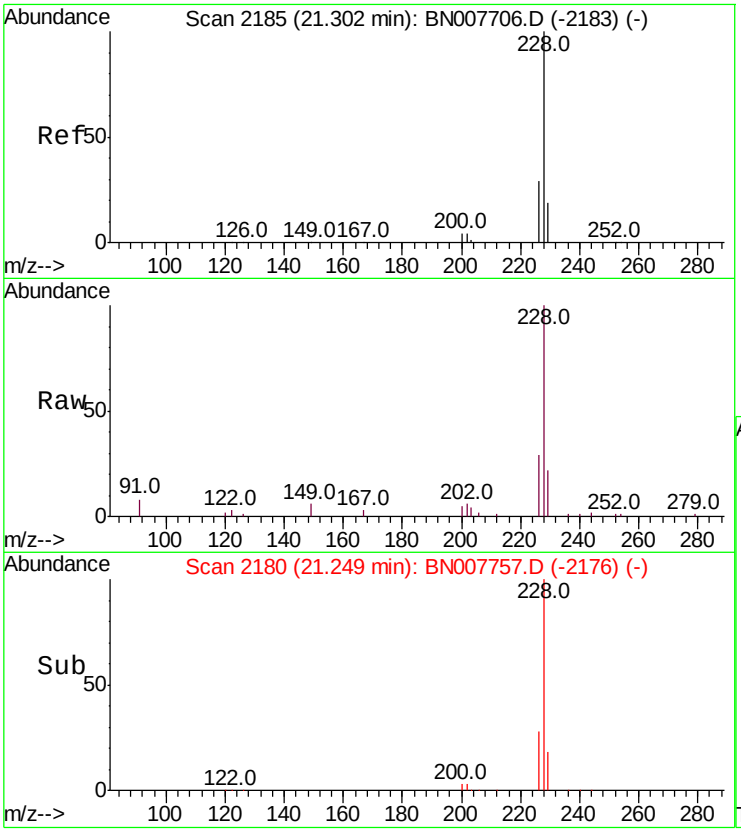


#30
Benzo(a)anthracene
Concen: 5.236 ng
RT: 21.25 min Scan# 2180
Delta R.T. -0.00 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Tgt Ion:228 Resp: 730281

Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.1	33.1
229	22.3	15.8	23.6



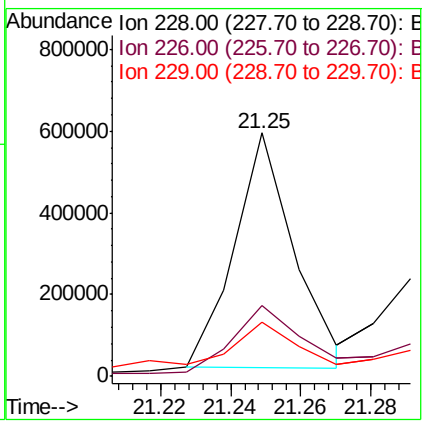


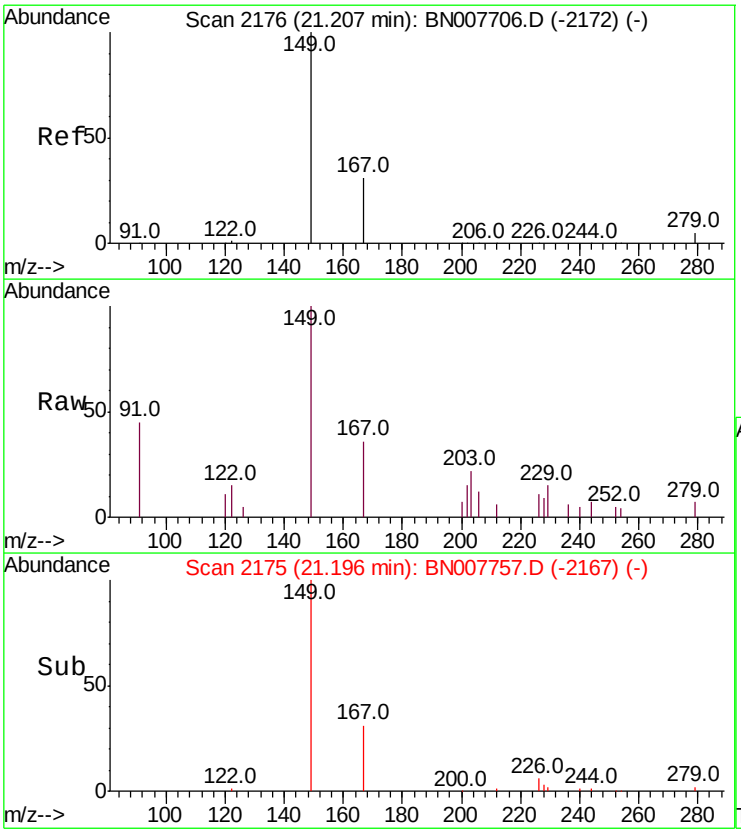
#31
Chrysene
Concen: 4.973 ng
RT: 21.25 min Scan# 2180
Delta R.T. -0.05 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Instrument :
BNA_N
ClientSampleId :
SB-1MSD

Tgt Ion:228 Resp: 675895

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.9	35.9
229	22.3	15.8	23.6

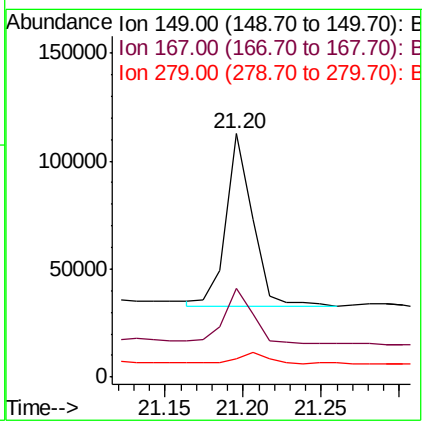


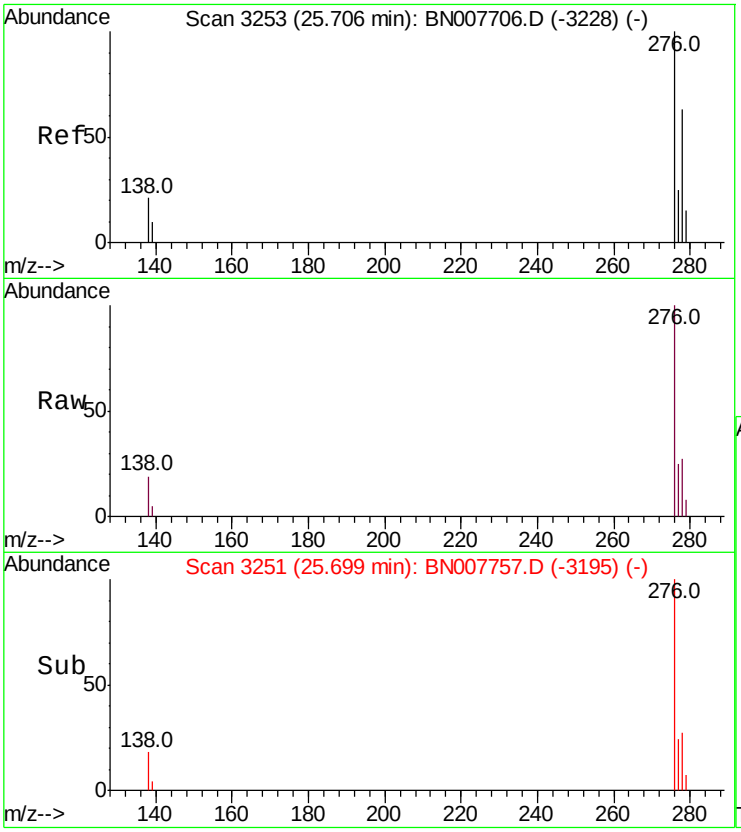


#32
Bis(2-ethylhexyl)phthalate
Concen: 1.309 ng
RT: 21.20 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Tgt Ion:149 Resp: 93865

Ion	Ratio	Lower	Upper
149	100		
167	39.5	23.7	35.5#
279	7.0	4.2	6.2#



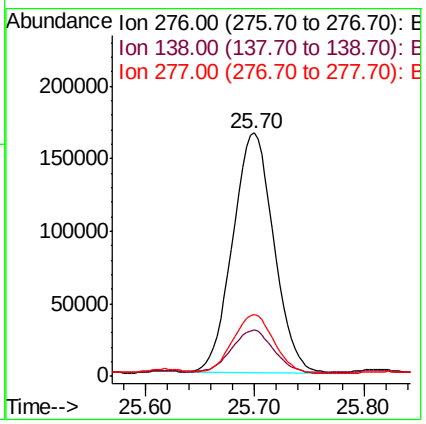


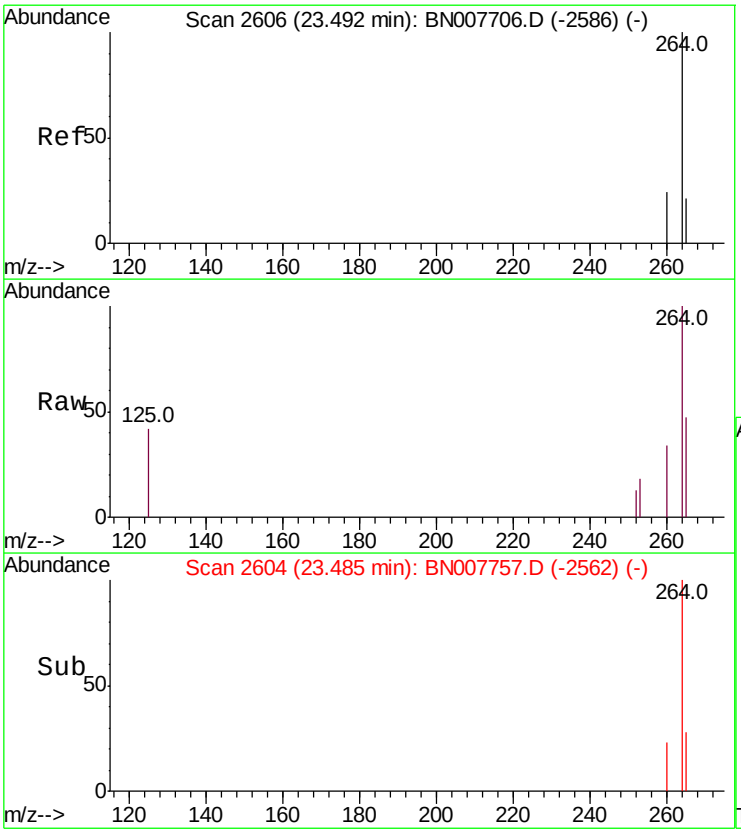
#33
Indeno(1,2,3-cd)pyrene
Concen: 2.556 ng
RT: 25.70 min Scan# 3251
Delta R.T. -0.01 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Instrument :
BNA_N
ClientSampleId :
SB-1MSD

Tgt Ion:276 Resp: 435041

Ion	Ratio	Lower	Upper
276	100		
138	18.3	17.1	25.7
277	24.9	20.0	30.0

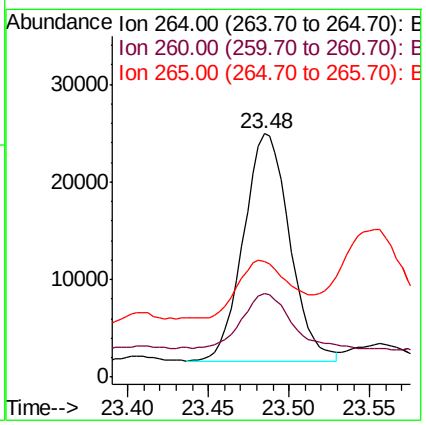


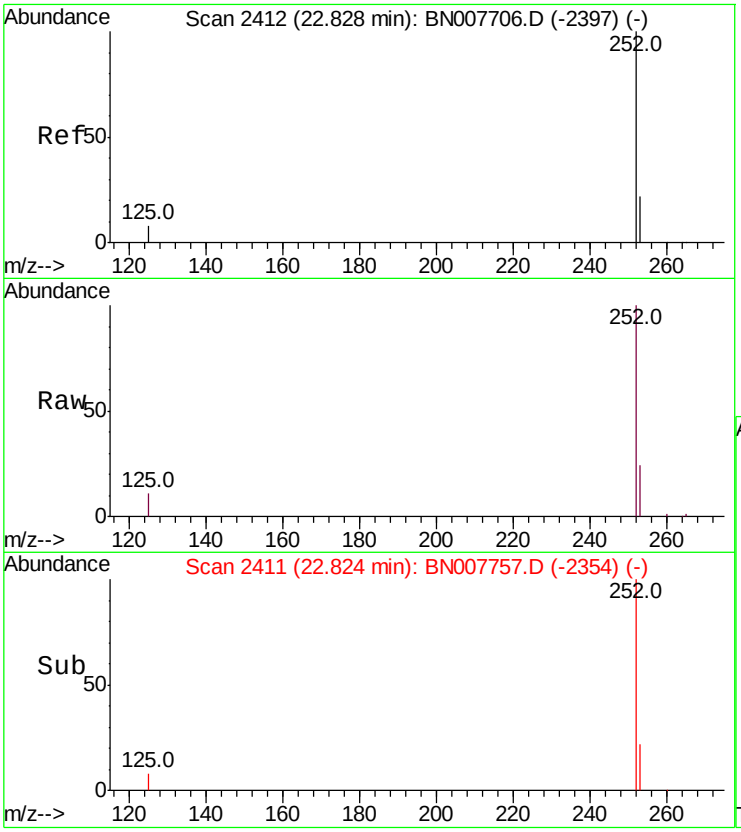


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.48 min Scan# 2604
Delta R.T. -0.01 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Tgt Ion:264 Resp: 45935

Ion	Ratio	Lower	Upper
264	100		
260	34.5	19.3	28.9#
265	47.5	26.9	40.3#



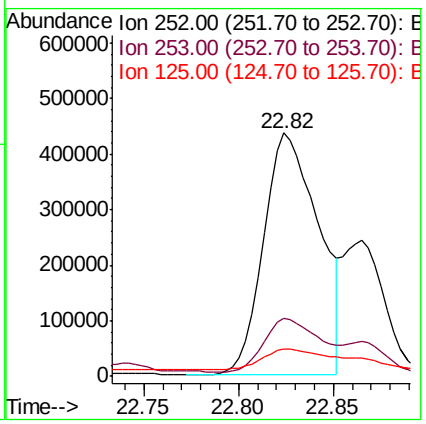


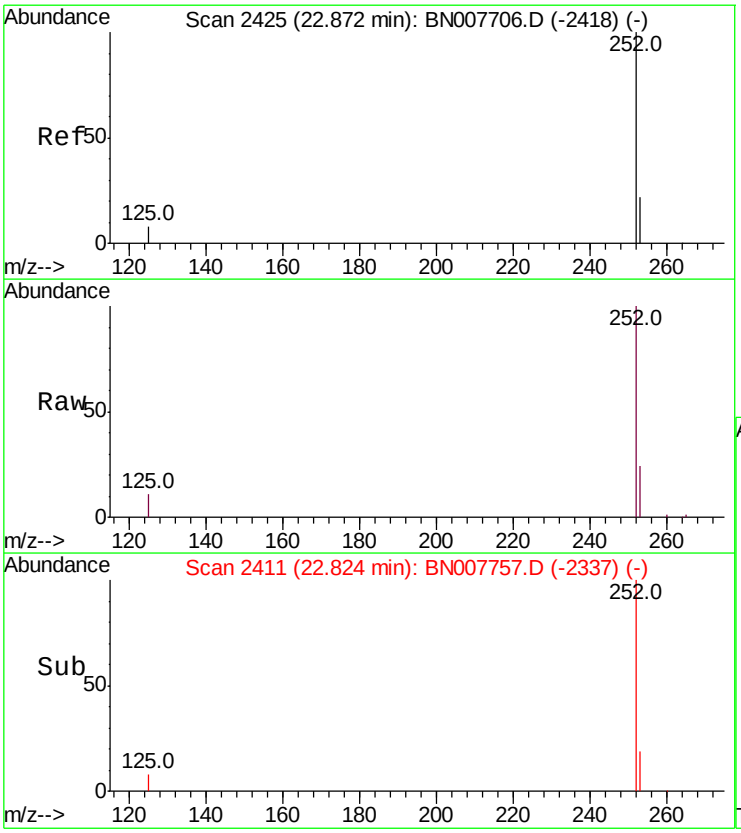
#35
Benzo(b)fluoranthene
Concen: 5.490 ng
RT: 22.82 min Scan# 2411
Delta R.T. -0.00 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Instrument :
BNA_N
ClientSampleId :
SB-1MSD

Tgt Ion:252 Resp: 875557

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.3	27.5
125	11.1	8.2	12.4

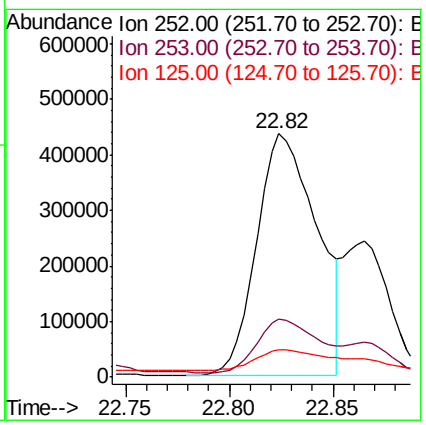


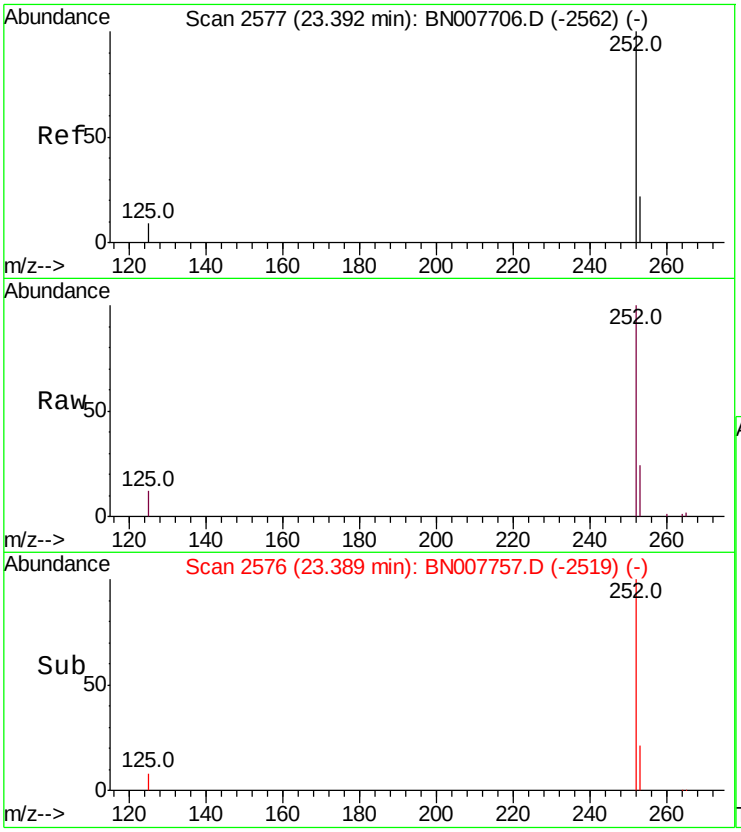


#36
Benzo(k)fluoranthene
Concen: 5.553 ng
RT: 22.82 min Scan# 2411
Delta R.T. -0.05 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Tgt Ion:252 Resp: 875733

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.5	27.7
125	11.1	8.4	12.6



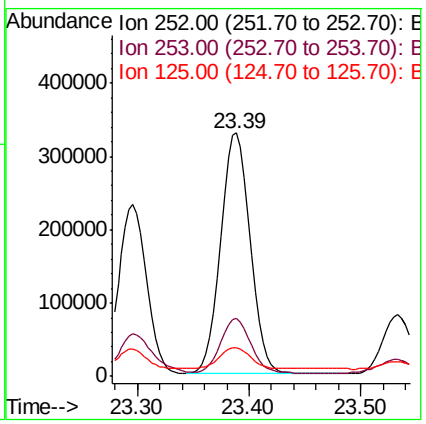


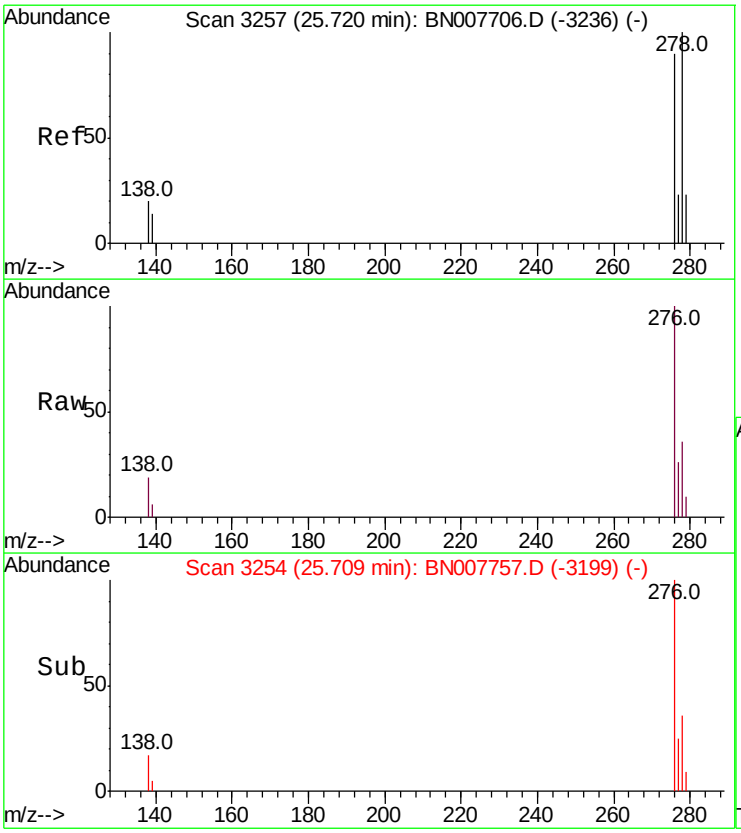
#37
Benzo(a)pyrene
Concen: 4.025 ng
RT: 23.39 min Scan# 2576
Delta R.T. -0.00 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Instrument :
BNA_N
ClientSampleId :
SB-1MSD

Tgt Ion:252 Resp: 603116

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.6	27.8
125	11.9	9.4	14.0

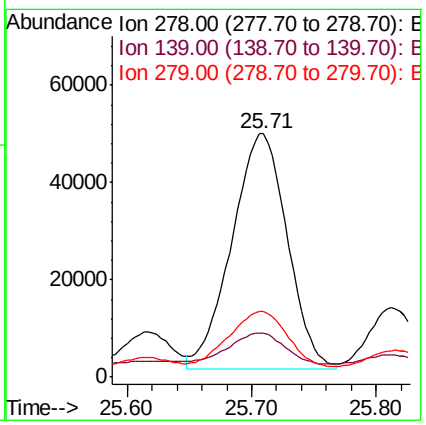


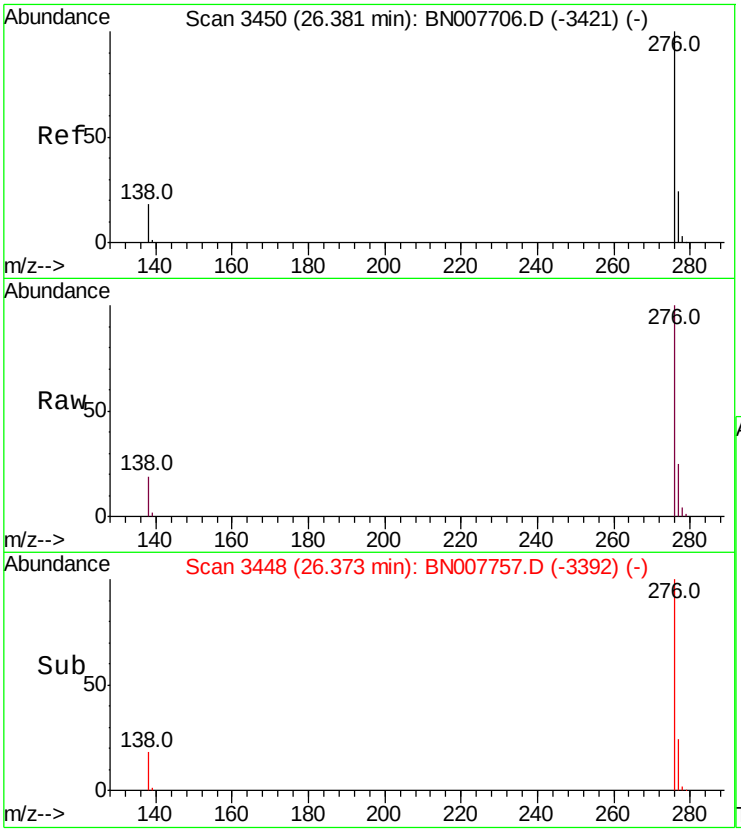


#38
Dibenzo(a,h)anthracene
Concen: 0.979 ng
RT: 25.71 min Scan# 3254
Delta R.T. -0.01 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Tgt Ion:278 Resp: 150165

Ion	Ratio	Lower	Upper
278	100		
139	17.9	11.8	17.6#
279	27.1	19.4	29.2





#39
Benzo(g,h,i)perylene
Concen: 2.742 ng
RT: 26.37 min Scan# 3448
Delta R.T. -0.01 min
Lab File: BN007757.D
Acq: 20 Sep 2019 00:44

Instrument :
BNA_N
ClientSampleId :
SB-1MSD

Tgt Ion:276 Resp: 415982

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.8	29.8
138	19.0	15.1	22.7