Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091219\
Data File : BN007612.D
Acq On : 12 Sep 2019 17:55
Operator : HP/JU
Sample : PB122692BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB122692BS

Quant Time: Sep 13 02:16:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 12 14:27:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	8136	0.40	ng		0.00
7) Naphthalene-d8	10.49	136	31509	0.40	ng		0.00
13) Acenaphthene-d10	14.34	164	17595	0.40	ng		0.00
19) Phenanthrene-d10	17.08	188	36335	0.40	ng		0.00
27) Chrysene-d12	21.27	240	36118	0.40	ng		0.00
34) Perylene-d12	23.50	264	36586	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.33	112	9143	0.35	ng		0.00
5) Phenol-d6	6.89	99	11574	0.37	ng		0.00
8) Nitrobenzene-d5	8.86	82	9925	0.39	ng		0.00
11) 2-Methylnaphthalene-d10	12.08	152	22303	0.42	ng		0.00
14) 2,4,6-Tribromophenol	15.83	330	2028	0.30	ng		0.00
15) 2-Fluorobiphenyl	12.96	172	30833	0.40	ng		0.00
25) Fluoranthene-d10	19.11	212	47539	0.41	ng		0.00
29) Terphenyl-d14	19.72	244	40092	0.42	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.33	88	3679	0.377	ng		97
3) n-Nitrosodimethylamine	3.03	42	3030	0.685	ng	#	1
6) bis(2-Chloroethyl)ether	7.16	93	8709	0.365	ng		96
9) Naphthalene	10.53	128	38236	0.424	ng		99
10) Hexachlorobutadiene	10.84	225	7688	0.422	ng	#	100
12) 2-Methylnaphthalene	12.15	142	25404	0.419	ng		99
16) Acenaphthylene	14.05	152	33907	0.370	ng		99
17) Acenaphthene	14.40	154	23373	0.392	ng		99
18) Fluorene	15.39	166	29522	0.392	ng		100
20) 4-Bromophenyl-phenylether	16.28	248	9486	0.422	ng		92
21) Hexachlorobenzene	16.40	284	10404	0.433	ng		99
22) Pentachlorophenol	16.74	266	1998	0.320	ng		98
23) Phenanthrene	17.12	178	48602	0.424	ng		100
24) Anthracene	17.22	178	41142	0.405	ng		100
26) Fluoranthene	19.14	202	56052	0.419	ng		100
28) Pyrene	19.51	202	55432	0.422	ng		100
30) Benzo(a)anthracene	21.26	228	49852	0.389	ng		99
31) Chrysene	21.30	228	56905	0.427	ng		99
32) Bis(2-ethylhexyl)phthalate	21.21	149	14638	0.337	ng		99
33) Indeno(1,2,3-cd)pyrene	25.72	276	61135	0.430	ng		100
35) Benzo(b)fluoranthene	22.83	252	52494	0.395	ng		99
36) Benzo(k)fluoranthene	22.88	252	55955	0.412	ng		98
37) Benzo(a)pyrene	23.40	252	45456	0.385	ng		98
38) Dibenzo(a,h)anthracene	25.73	278	50693	0.411	ng		100
39) Benzo(g,h,i)perylene	26.39	276	49339	0.404	ng		99

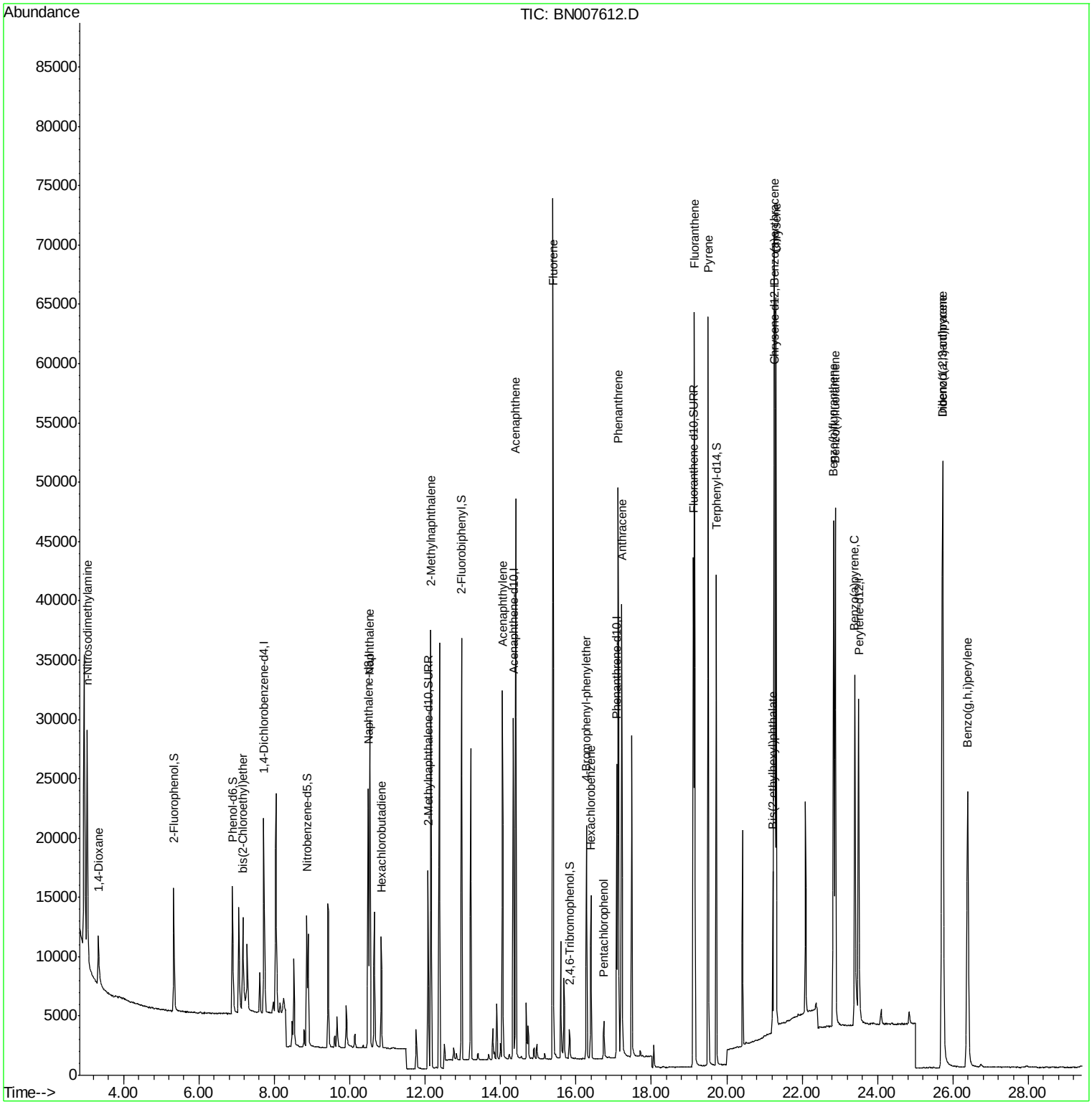
(#) = qualifier out of range (m) = manual integration (+) = signals summed

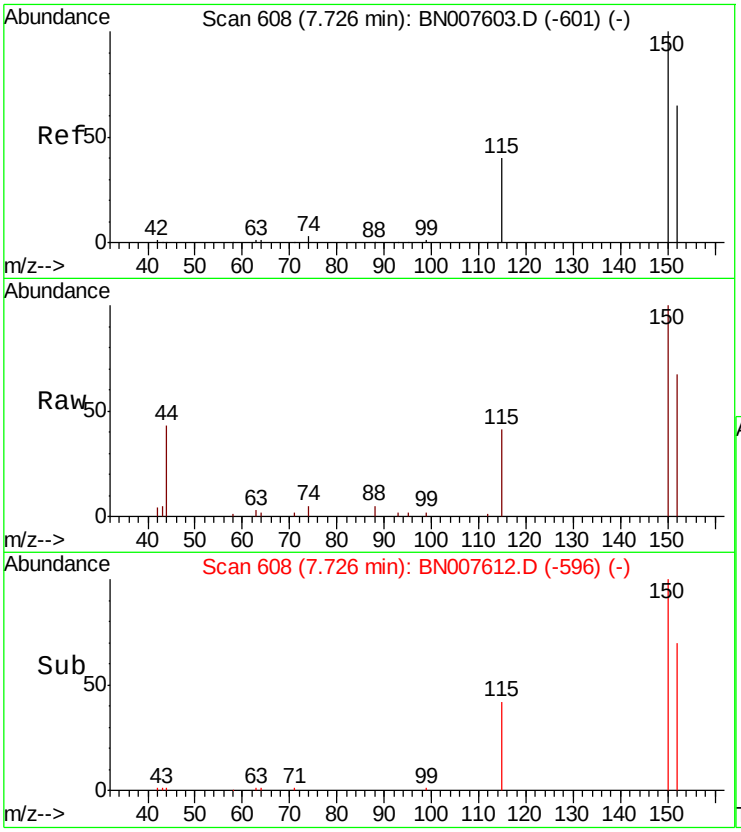
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091219\
Data File : BN007612.D
Acq On : 12 Sep 2019 17:55
Operator : HP/JU
Sample : PB122692BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB122692BS

Quant Time: Sep 13 02:16:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 12 14:27:51 2019
Response via : Initial Calibration



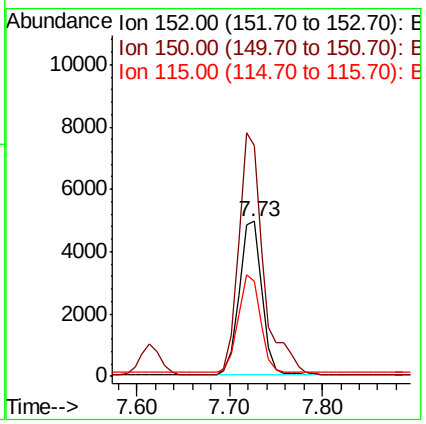


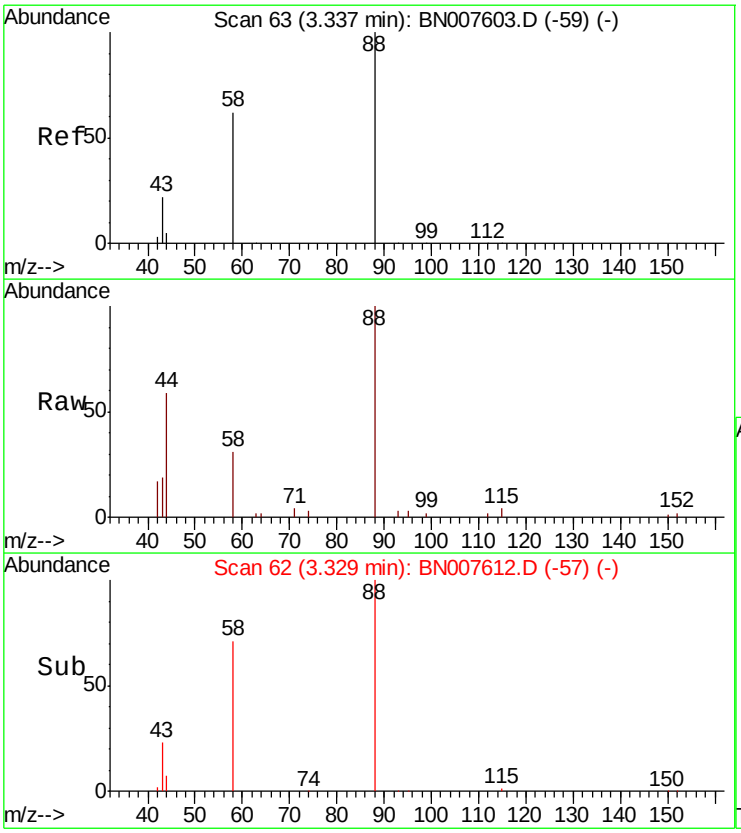
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Instrument :
BNA_N
ClientSampleId :
PB122692BS

Tgt Ion:152 Resp: 8136

Ion	Ratio	Lower	Upper
152	100		
150	149.0	122.4	183.6
115	61.4	50.4	75.6

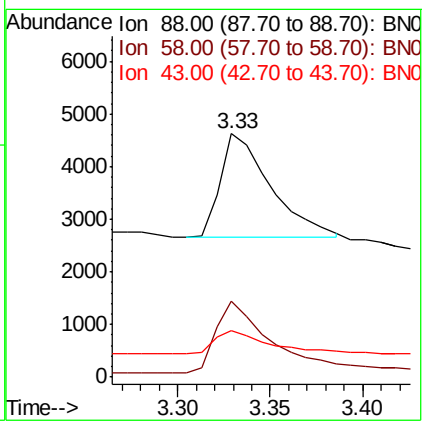


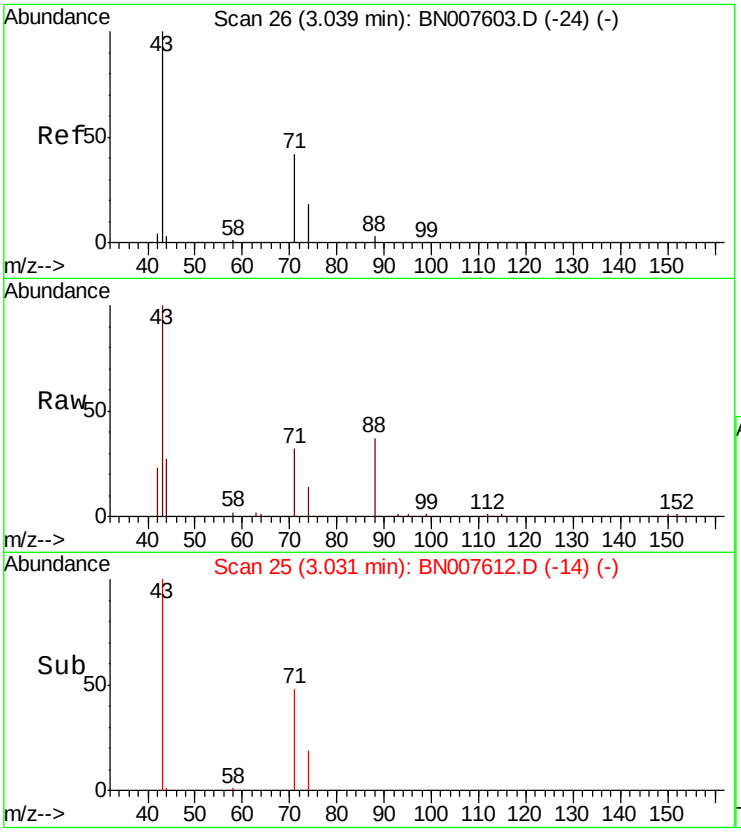


#2
1,4-Dioxane
Concen: 0.377 ng
RT: 3.33 min Scan# 62
Delta R.T. -0.01 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Tgt Ion: 88 Resp: 3679

Ion	Ratio	Lower	Upper
88	100		
58	74.5	57.0	85.4
43	24.7	20.0	30.0



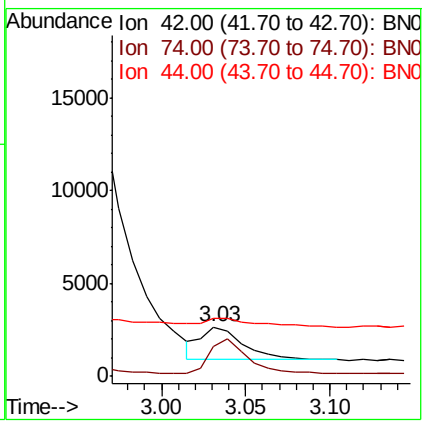


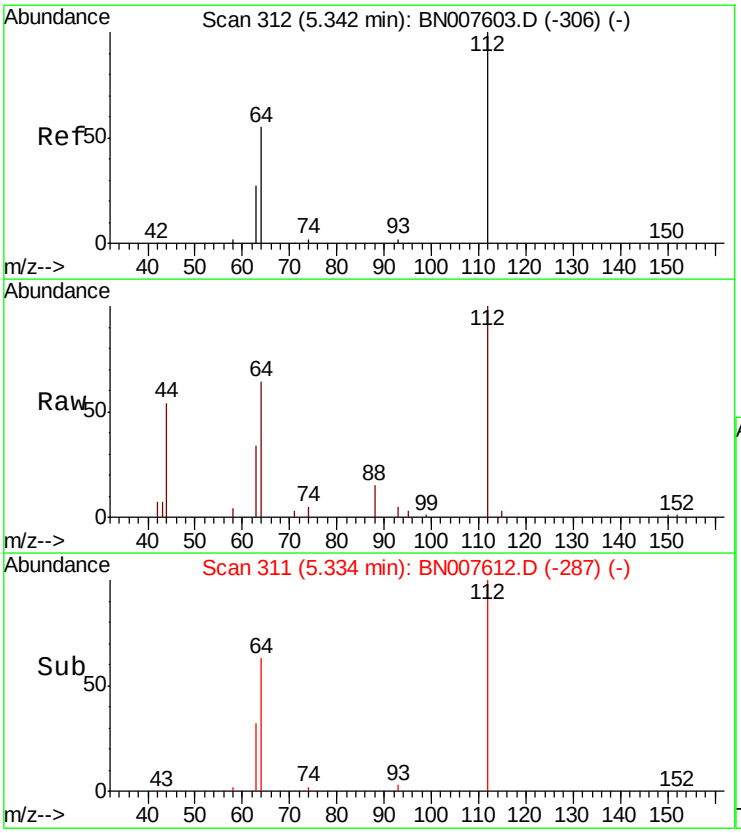
#3
n-Nitrosodimethylamine
Concen: 0.685 ng
RT: 3.03 min Scan# 25
Delta R.T. -0.01 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Instrument :
BNA_N
ClientSampleId :
PB122692BS

Tgt Ion: 42 Resp: 3030

Ion	Ratio	Lower	Upper
42	100		
74	93.1	9.8	14.8#
44	36.3	0.0	0.0#

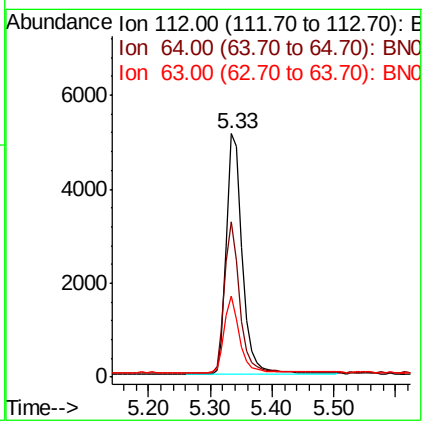


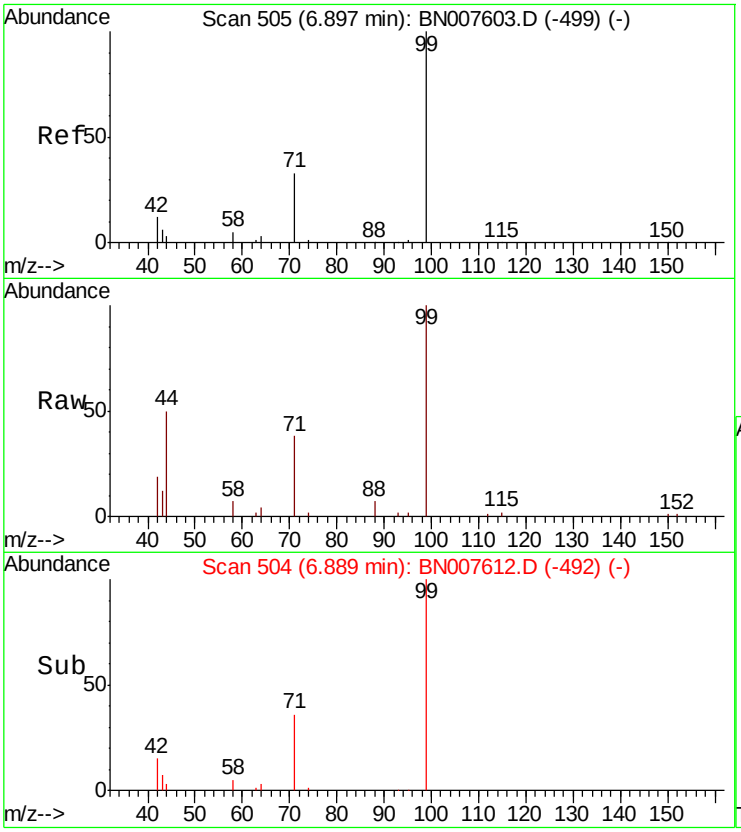


#4
2-Fluorophenol
Concen: 0.351 ng
RT: 5.33 min Scan# 311
Delta R.T. -0.01 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Tgt Ion:112 Resp: 9143

Ion	Ratio	Lower	Upper
112	100		
64	59.7	48.5	72.7
63	30.1	24.4	36.6



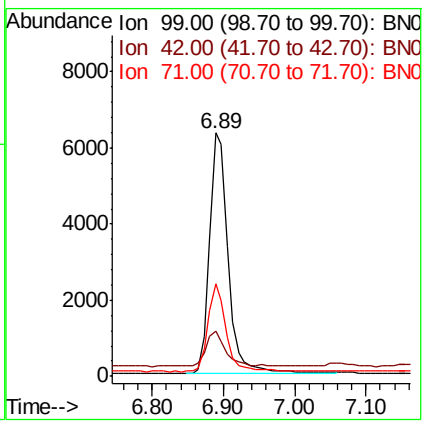


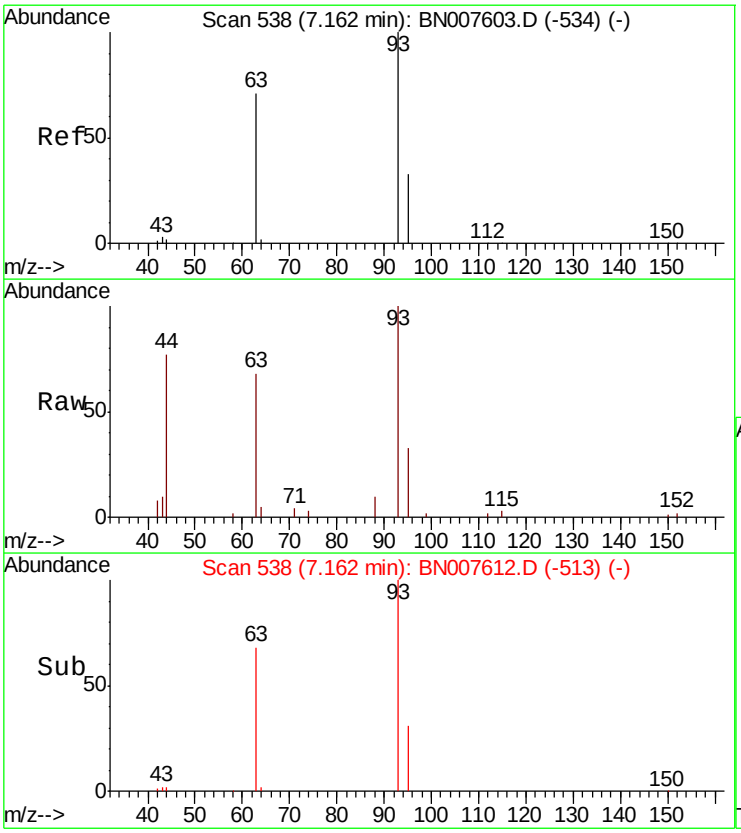
#5
Phenol-d6
Concen: 0.365 ng
RT: 6.89 min Scan# 504
Delta R.T. -0.01 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Instrument :
BNA_N
ClientSampleId :
PB122692BS

Tgt Ion: 99 Resp: 11574

Ion	Ratio	Lower	Upper
99	100		
42	14.9	11.8	17.6
71	35.3	28.0	42.0

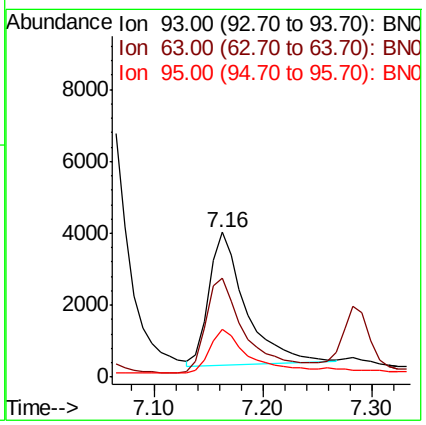


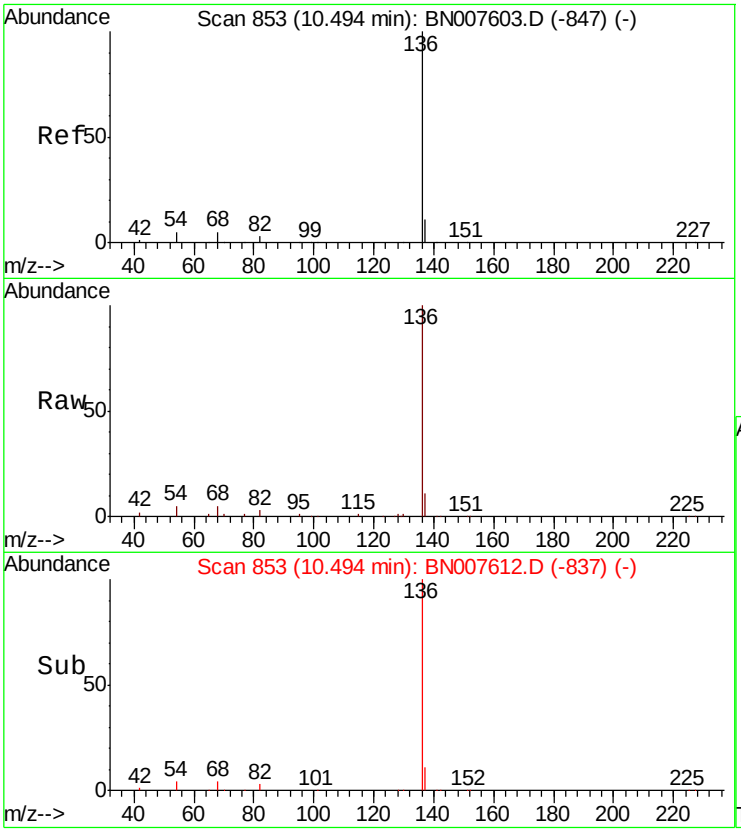


#6
bis(2-Chloroethyl)ether
Concen: 0.365 ng
RT: 7.16 min Scan# 538
Delta R.T. 0.00 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Tgt Ion: 93 Resp: 8709

Ion	Ratio	Lower	Upper
93	100		
63	77.3	61.2	91.8
95	39.3	27.2	40.8



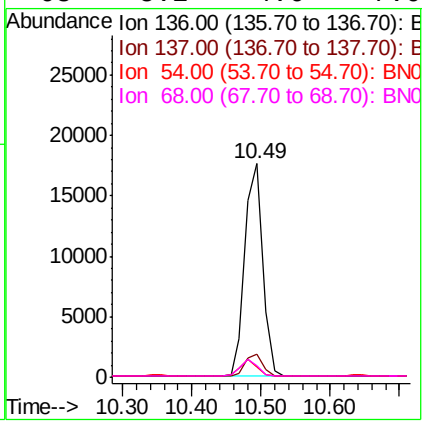


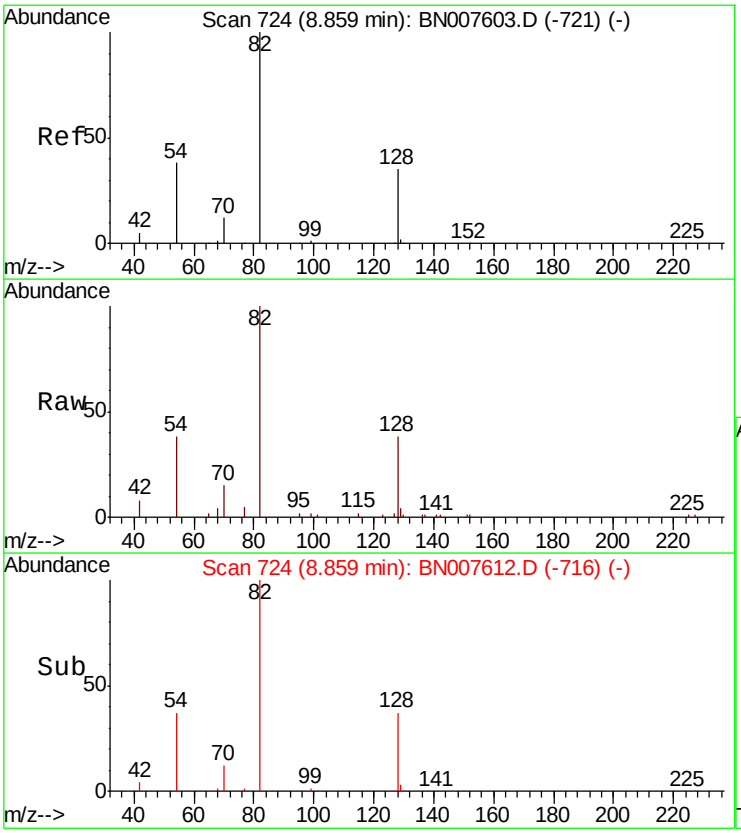
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.49 min Scan# 853
Delta R.T. 0.00 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Instrument : BNA_N
ClientSampleId : PB122692BS

Tgt Ion:136 Resp: 31509

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	4.7	4.2	6.4
68	5.2	4.6	7.0

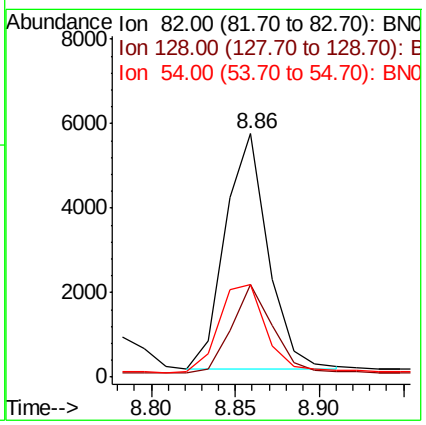


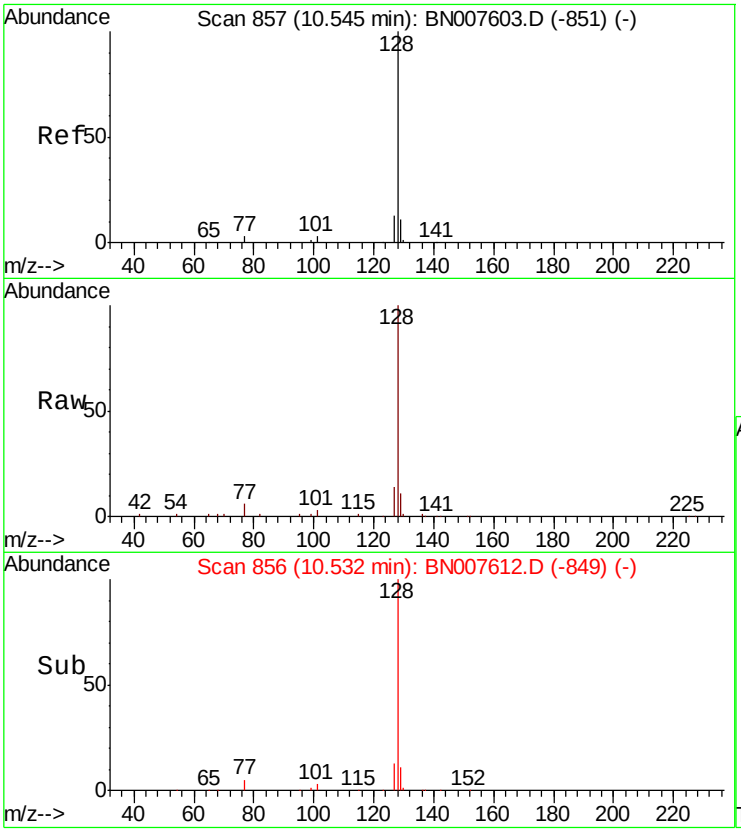


#8
Nitrobenzene-d5
Concen: 0.395 ng
RT: 8.86 min Scan# 724
Delta R.T. 0.00 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Tgt Ion: 82 Resp: 9925

Ion	Ratio	Lower	Upper
82	100		
128	38.1	27.9	41.9
54	37.9	30.9	46.3



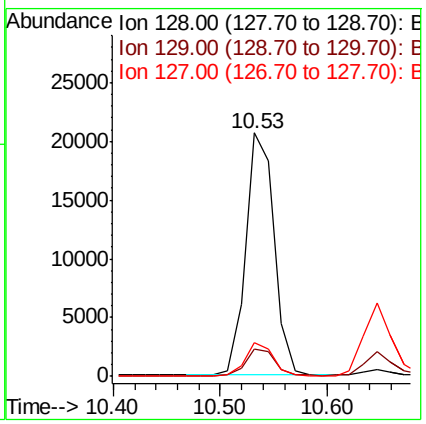


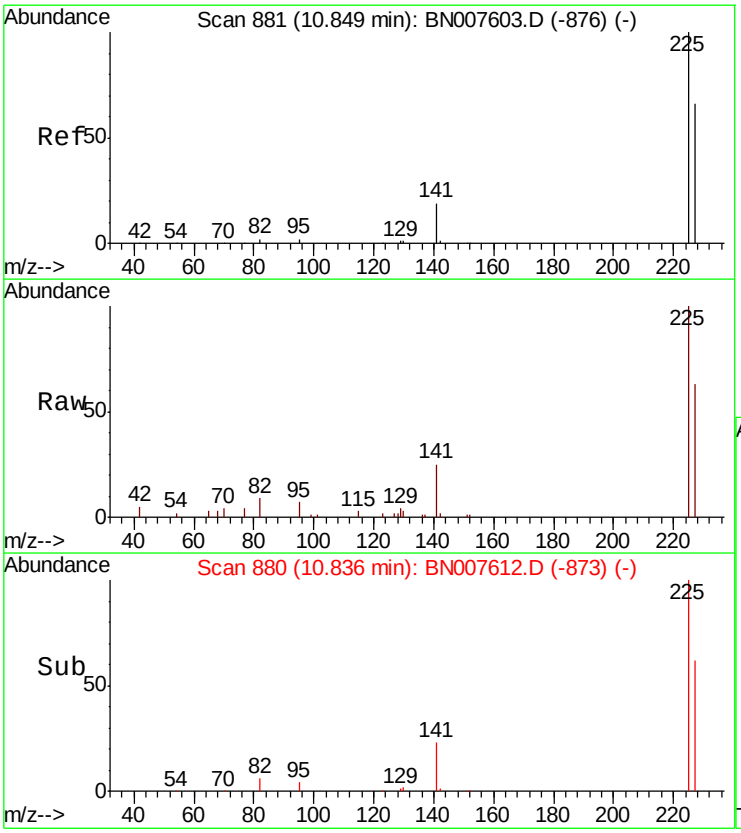
#9
Naphthalene
Concen: 0.424 ng
RT: 10.53 min Scan# 856
Delta R.T. -0.01 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Instrument :
BNA_N
ClientSampleId :
PB122692BS

Tgt Ion:128 Resp: 38236

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.6	10.4	15.6

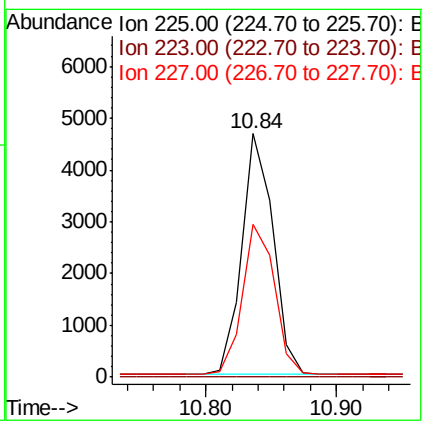


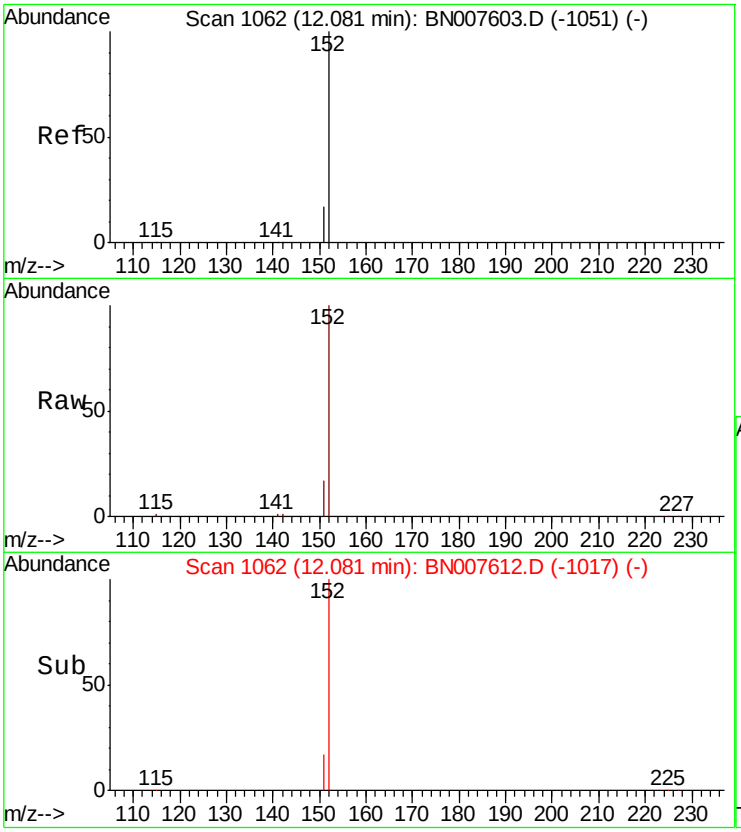


#10
Hexachlorobutadiene
Concen: 0.422 ng
RT: 10.84 min Scan# 880
Delta R.T. -0.01 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Tgt Ion:225 Resp: 7688

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.3	51.3	76.9



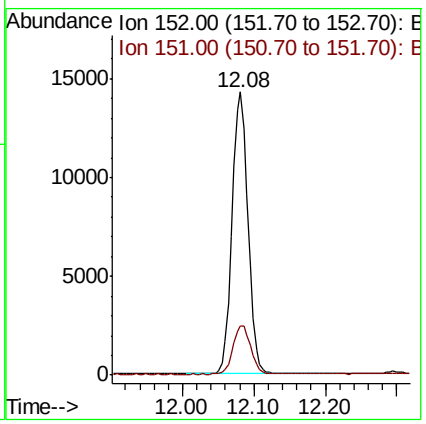


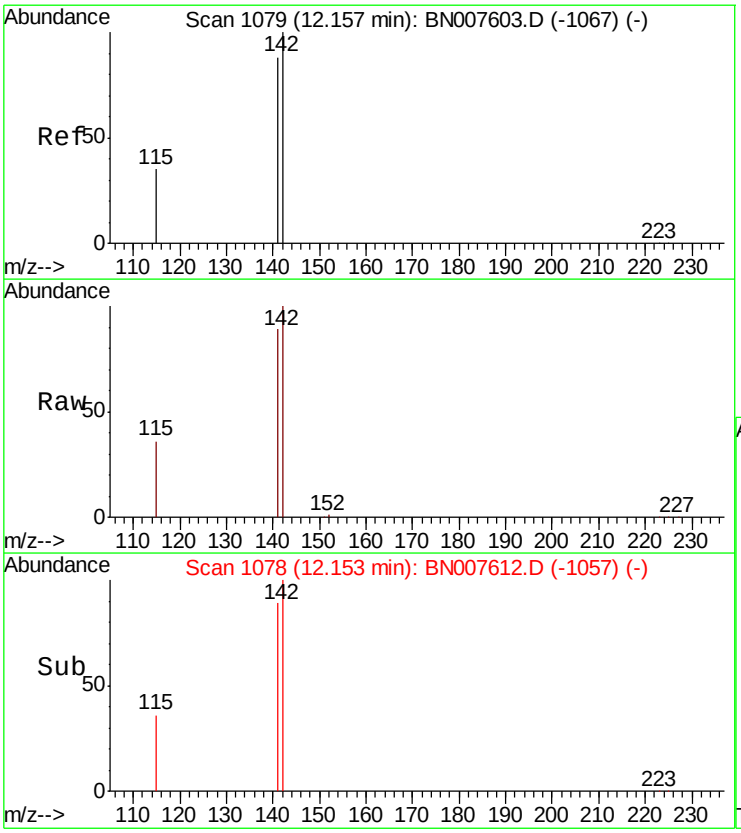
#11
2-Methylnaphthalene-d10
Concen: 0.418 ng
RT: 12.08 min Scan# 1062
Delta R.T. 0.00 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Instrument :
BNA_N
ClientSampleId :
PB122692BS

Tgt Ion:152 Resp: 22303

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.3	22.9

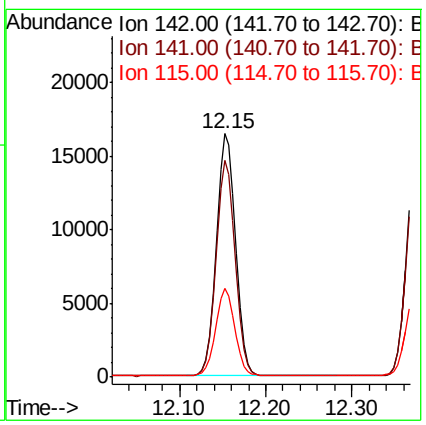


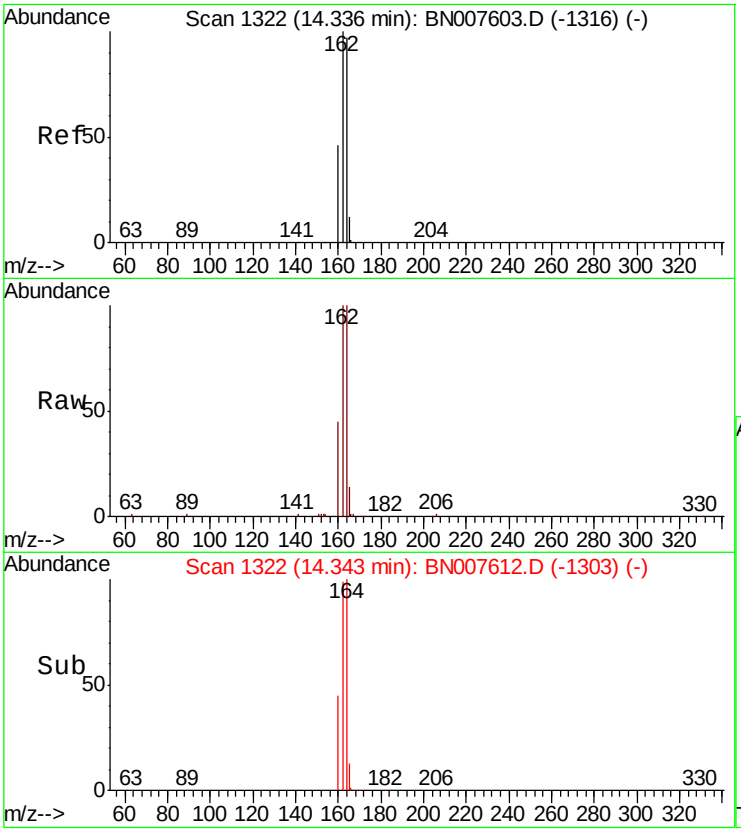


#12
2-Methylnaphthalene
Concen: 0.419 ng
RT: 12.15 min Scan# 1078
Delta R.T. -0.00 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Tgt Ion:142 Resp: 25404

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.5	105.7
115	36.4	28.4	42.6



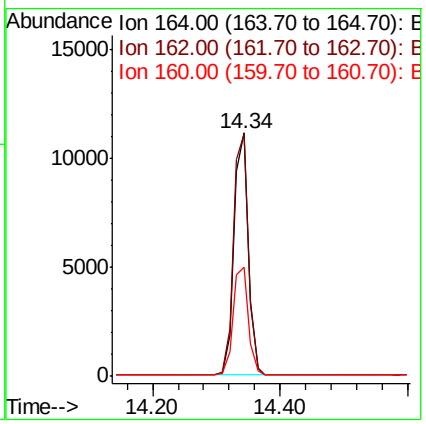


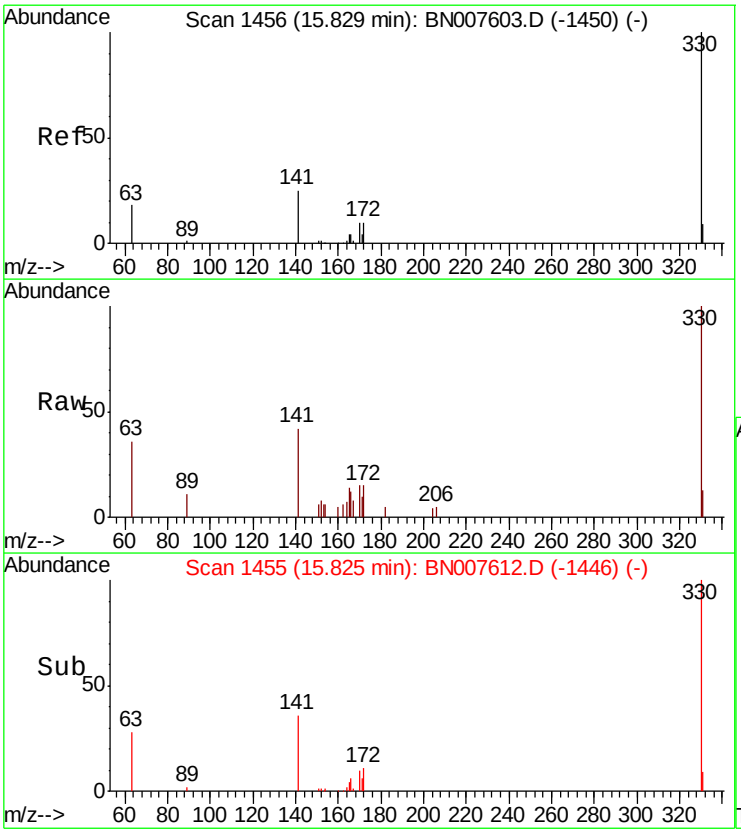
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.34 min Scan# 1322
Delta R.T. 0.01 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Instrument :
BNA_N
ClientSampleId :
PB122692BS

Tgt Ion:164 Resp: 17595

Ion	Ratio	Lower	Upper
164	100		
162	99.5	82.8	124.2
160	44.8	38.0	57.0

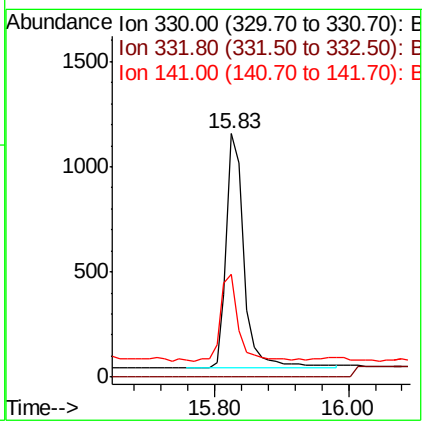


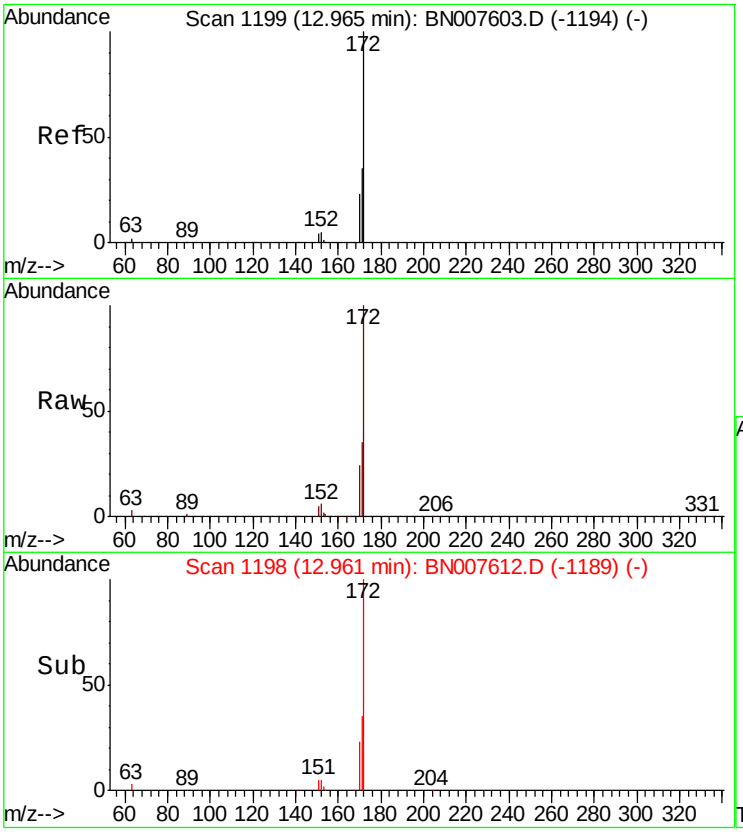


#14
2,4,6-Tribromophenol
Concen: 0.305 ng
RT: 15.83 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Tgt Ion:330 Resp: 2028

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.9	30.1	45.1



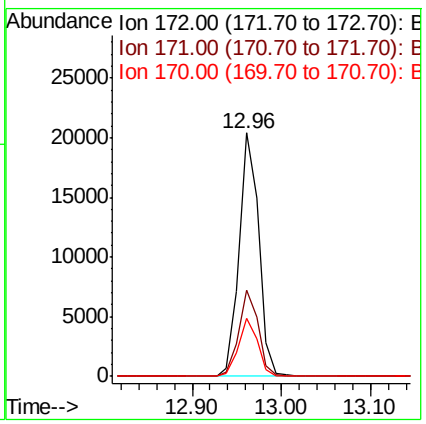


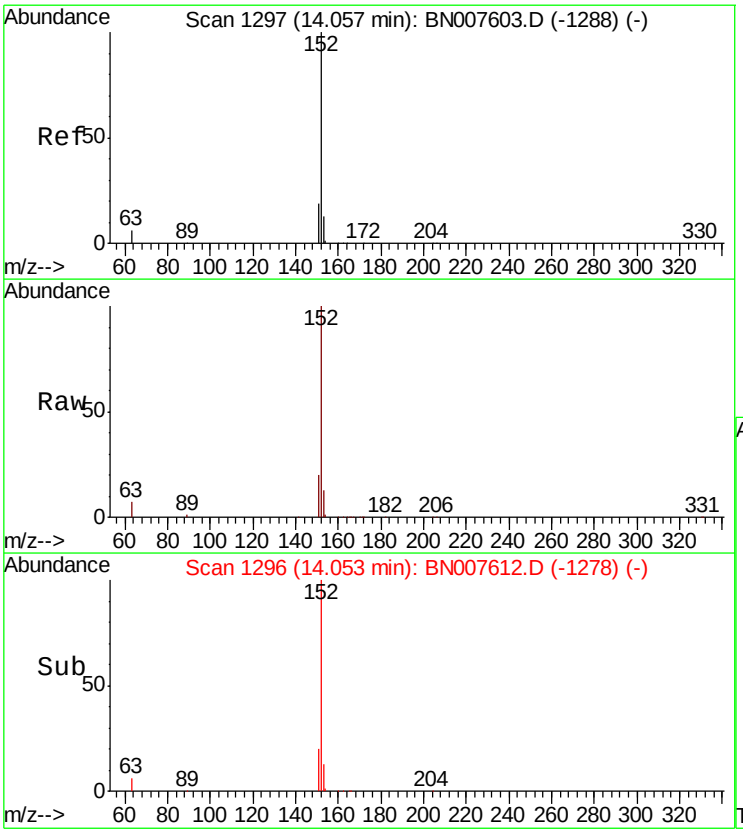
#15
2-Fluorobiphenyl
Concen: 0.402 ng
RT: 12.96 min Scan# 1198
Delta R.T. -0.00 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Instrument :
BNA_N
ClientSampleId :
PB122692BS

Tgt Ion:172 Resp: 30833

Ion	Ratio	Lower	Upper
172	100		
171	35.5	27.9	41.9
170	23.6	18.5	27.7

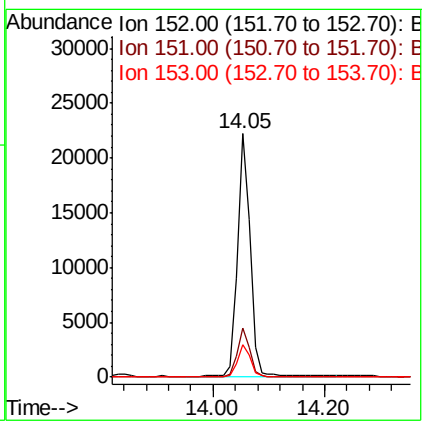


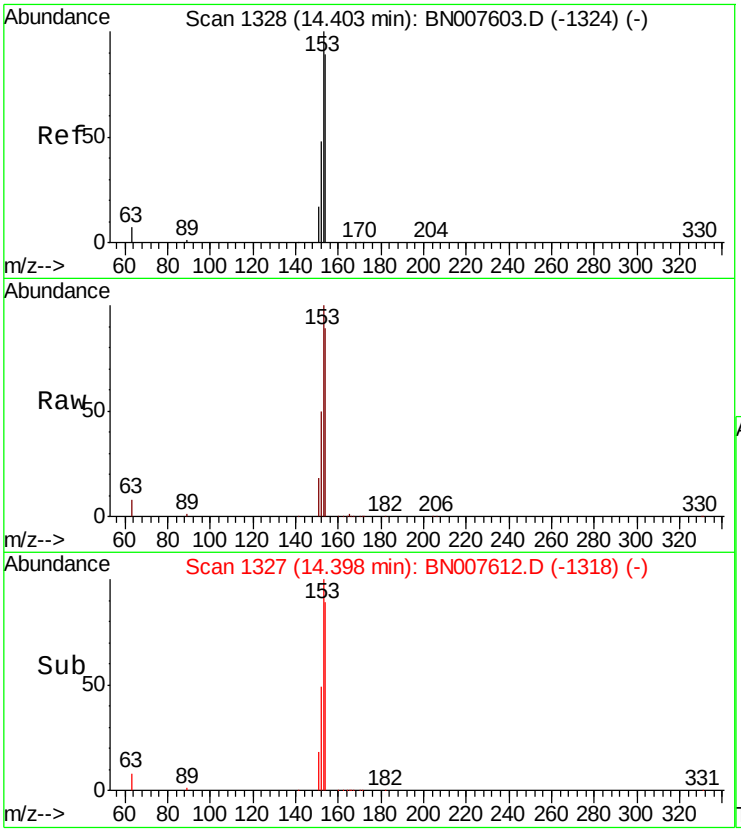


#16
Acenaphthylene
Concen: 0.370 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Tgt Ion:152 Resp: 33907

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	13.2	10.4	15.6



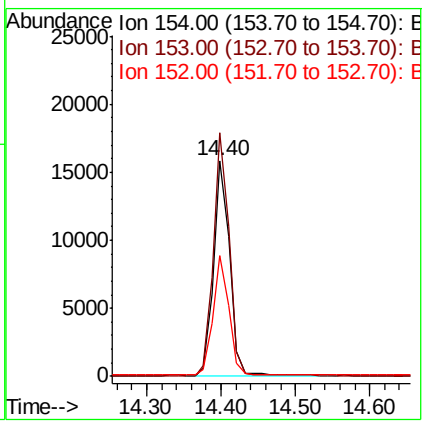


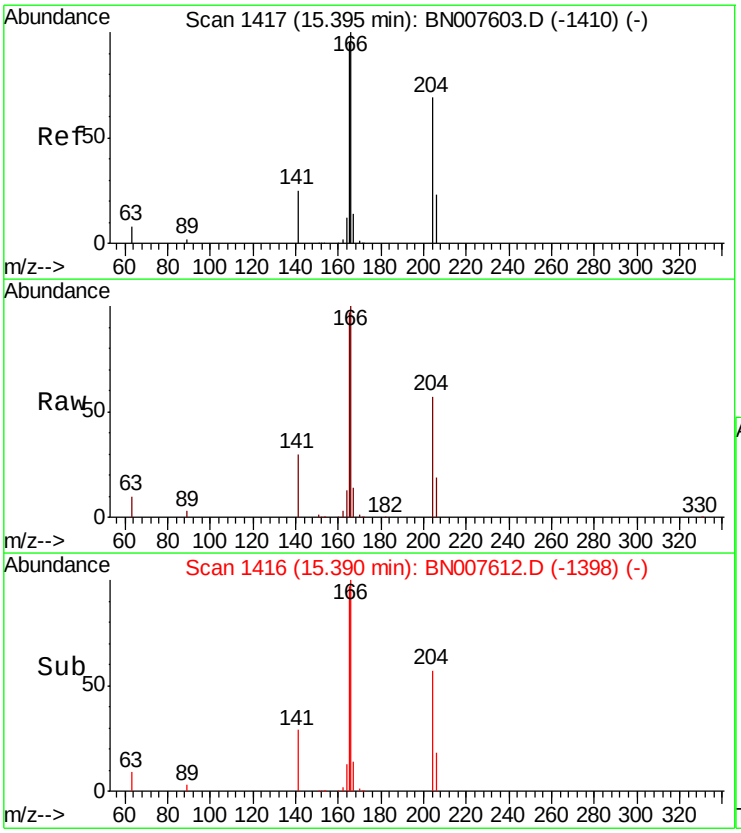
#17
Acenaphthene
Concen: 0.392 ng
RT: 14.40 min Scan# 1327
Delta R.T. -0.00 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Instrument :
BNA_N
ClientSampleId :
PB122692BS

Tgt Ion:154 Resp: 23373

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.8	134.8
152	55.3	43.8	65.8

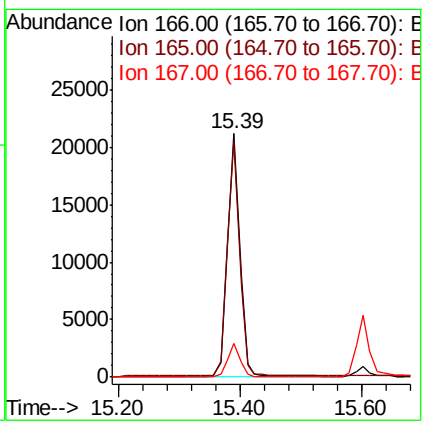


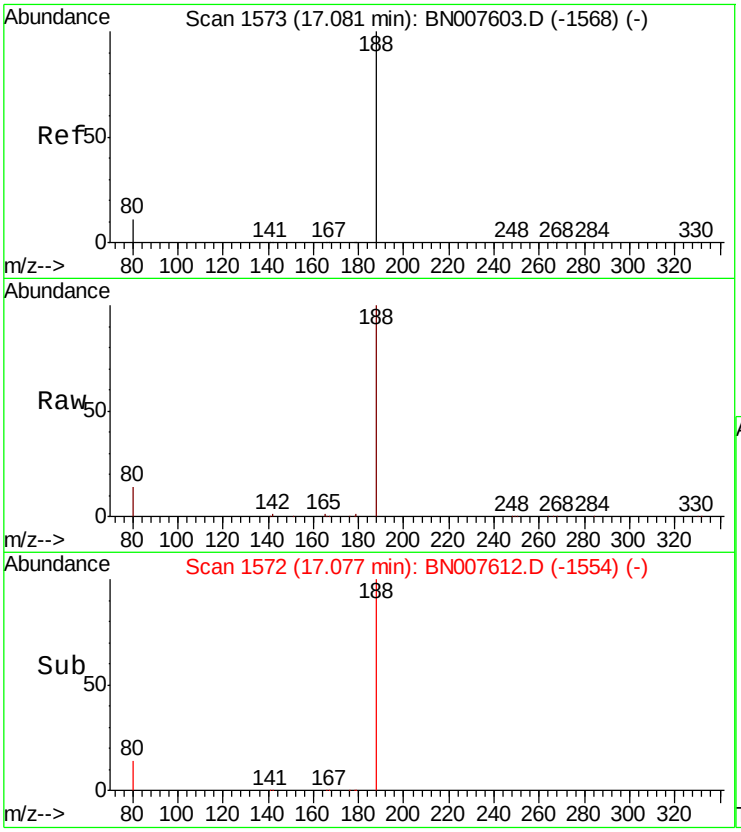


#18
Fluorene
Concen: 0.392 ng
RT: 15.39 min Scan# 1416
Delta R.T. -0.00 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Tgt Ion:166 Resp: 29522

Ion	Ratio	Lower	Upper
166	100		
165	97.2	77.8	116.6
167	13.6	10.8	16.2



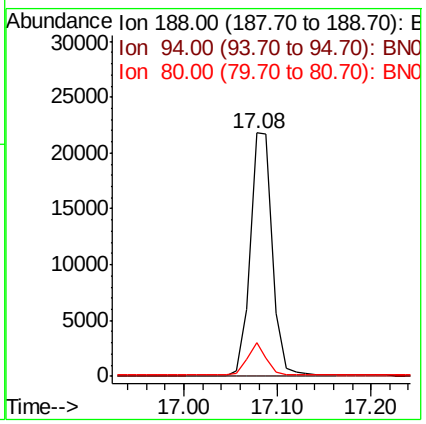


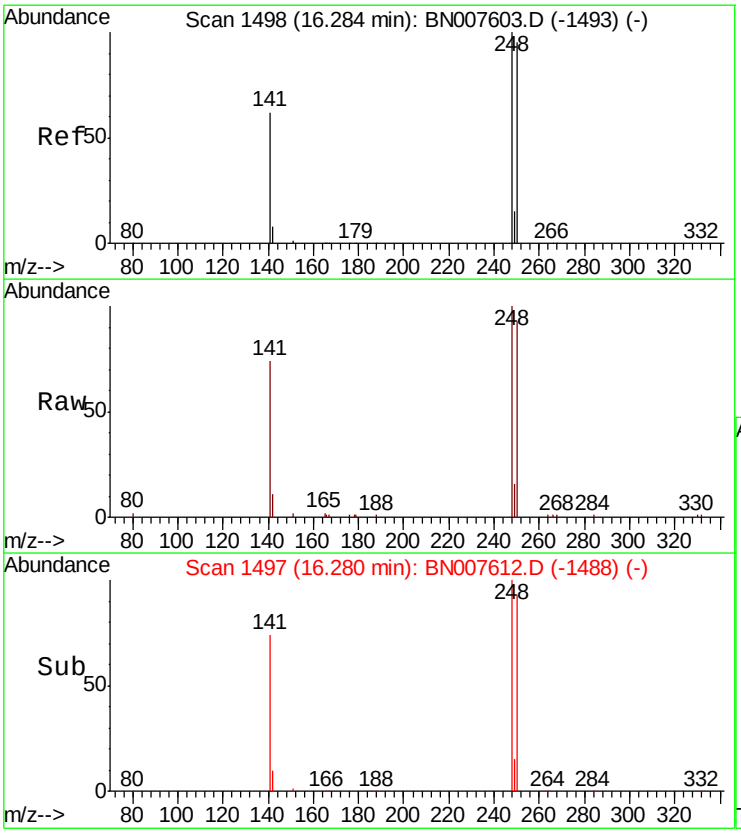
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Instrument :
BNA_N
ClientSampleId :
PB122692BS

Tgt Ion:188 Resp: 36335

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.1	8.8	13.2#

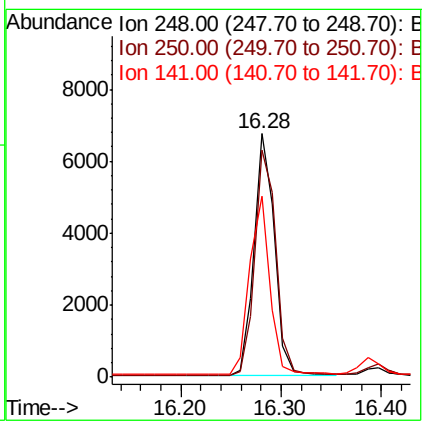


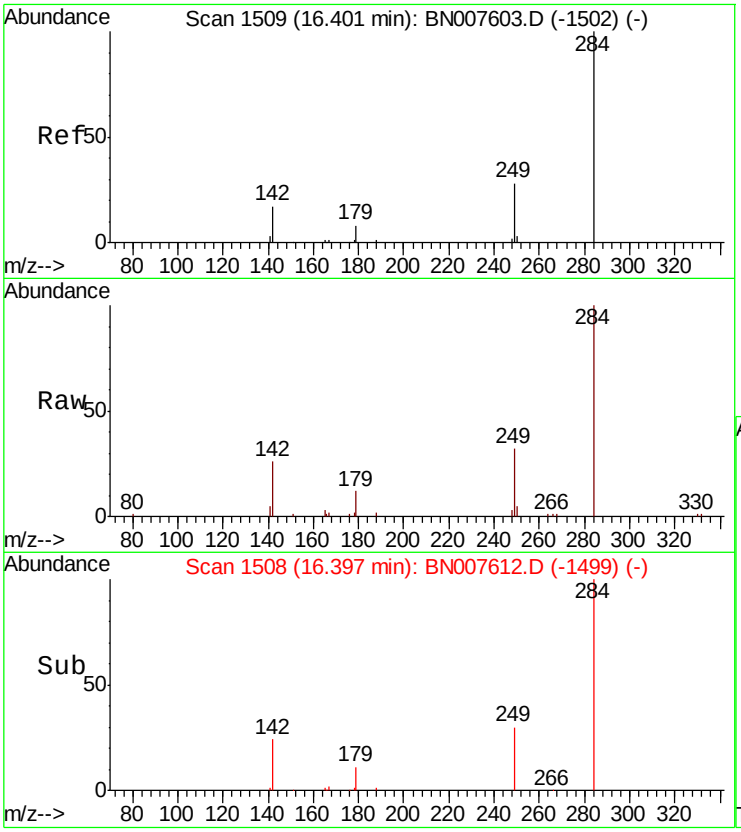


#20
4-Bromophenyl-phenylether
Concen: 0.422 ng
RT: 16.28 min Scan# 1497
Delta R.T. -0.00 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Tgt Ion:248 Resp: 9486

Ion	Ratio	Lower	Upper
248	100		
250	93.0	76.3	114.5
141	74.4	49.7	74.5



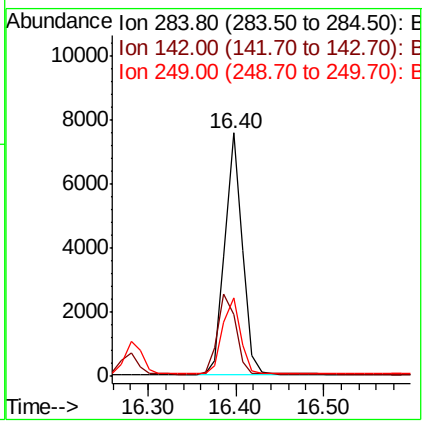


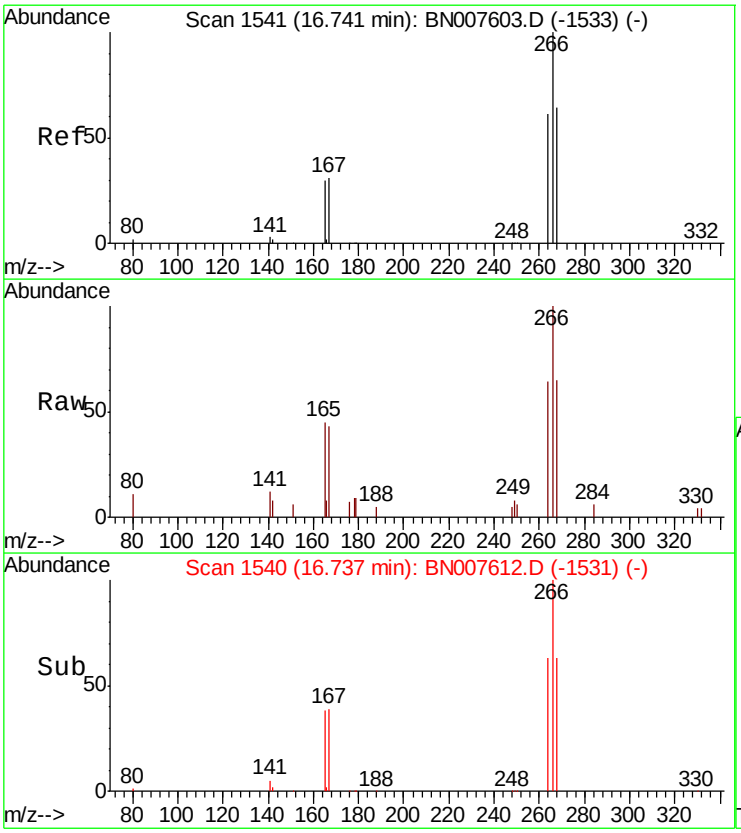
#21
Hexachlorobenzene
Concen: 0.433 ng
RT: 16.40 min Scan# 1508
Delta R.T. -0.00 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Instrument :
BNA_N
ClientSampleId :
PB122692BS

Tgt Ion:284 Resp: 10404

Ion	Ratio	Lower	Upper
284	100		
142	34.9	27.8	41.6
249	32.3	25.5	38.3

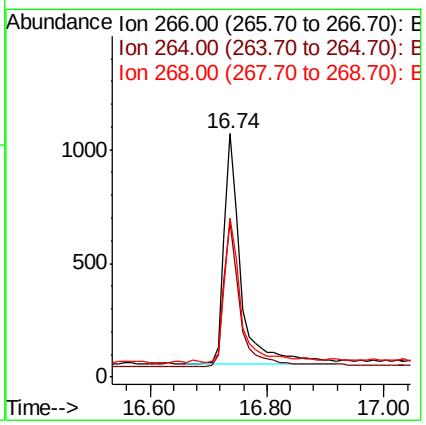


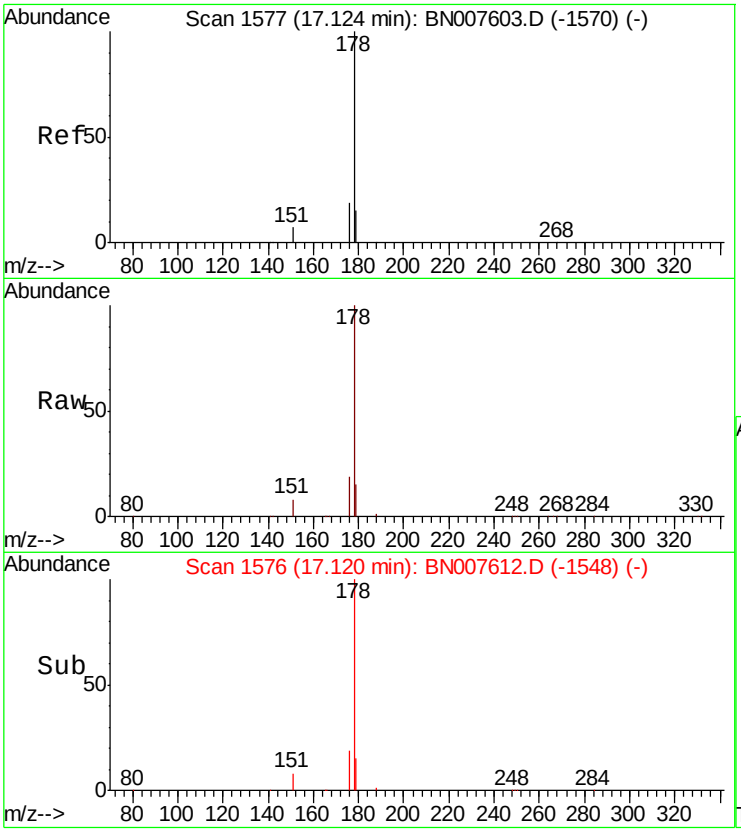


#22
Pentachlorophenol
Concen: 0.320 ng
RT: 16.74 min Scan# 1540
Delta R.T. -0.00 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Tgt Ion:266 Resp: 1998

Ion	Ratio	Lower	Upper
266	100		
264	63.7	49.4	74.0
268	65.5	53.0	79.6



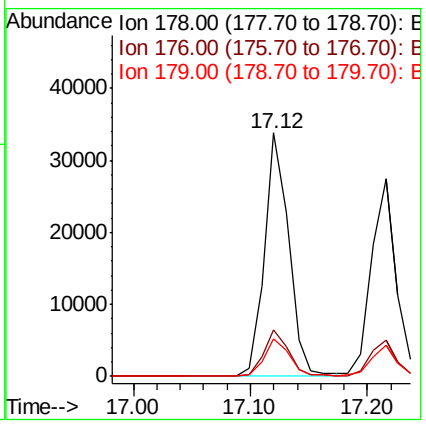


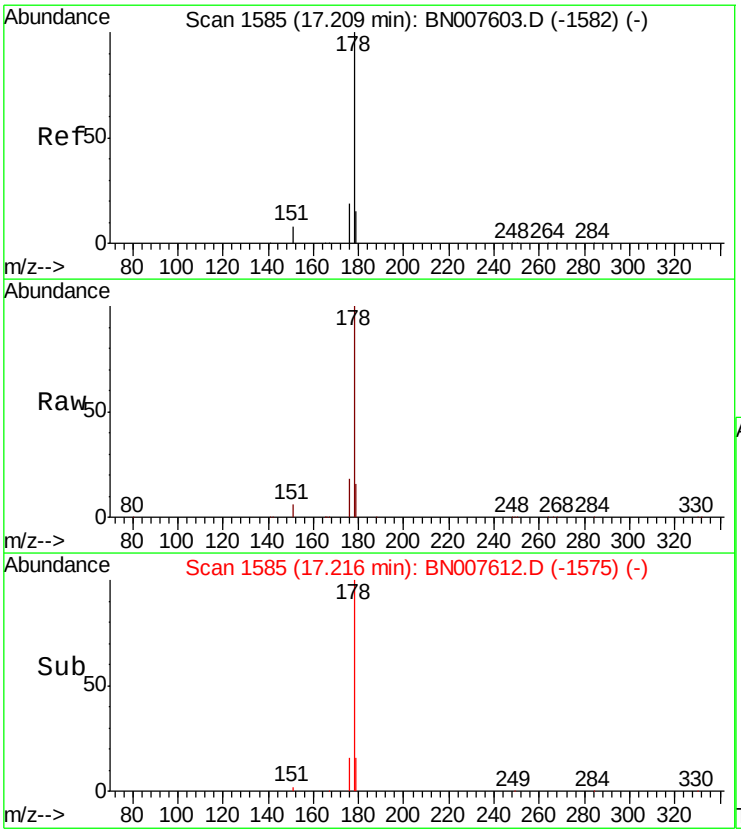
#23
Phenanthrene
Concen: 0.424 ng
RT: 17.12 min Scan# 1576
Delta R.T. -0.00 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Instrument :
BNA_N
ClientSampleId :
PB122692BS

Tgt Ion:178 Resp: 48602

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.6
179	15.4	12.4	18.6

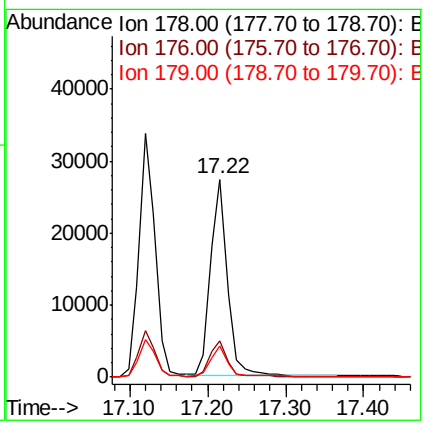


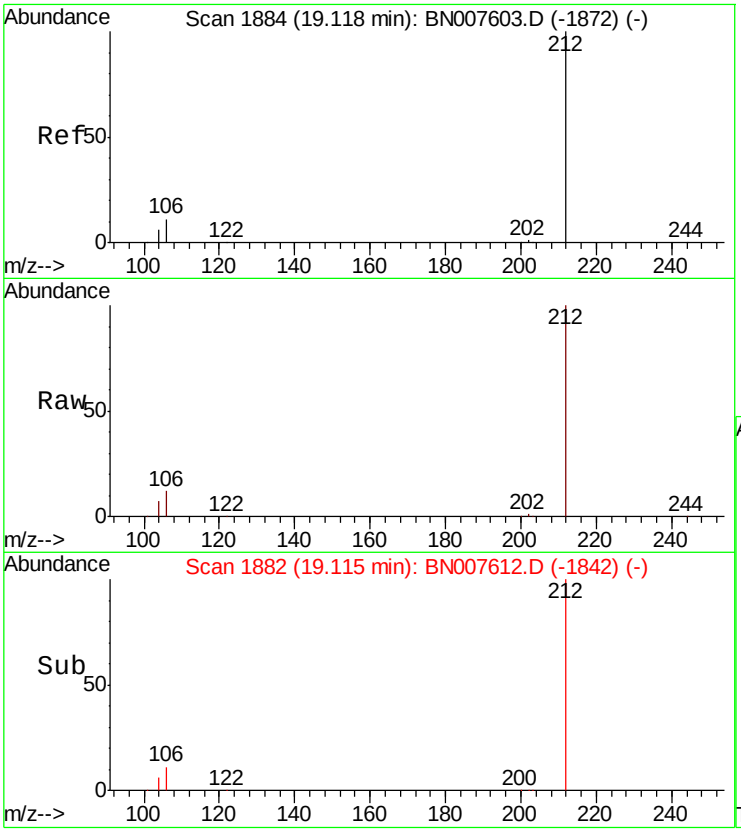


#24
Anthracene
Concen: 0.405 ng
RT: 17.22 min Scan# 1585
Delta R.T. 0.01 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Tgt Ion:178 Resp: 41142

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.5	21.7
179	15.1	12.4	18.6



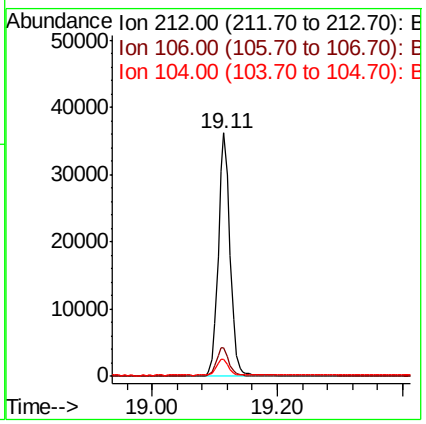


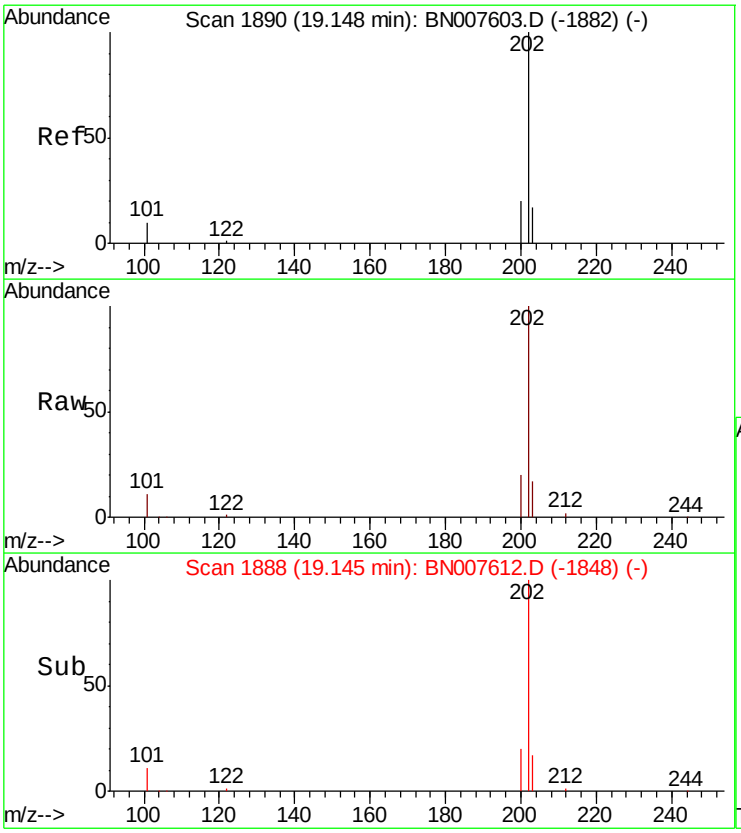
#25
Fluoranthene-d10
Concen: 0.415 ng
RT: 19.11 min Scan# 1882
Delta R.T. -0.00 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Instrument :
BNA_N
ClientSampleId :
PB122692BS

Tgt Ion:212 Resp: 47539

Ion	Ratio	Lower	Upper
212	100		
106	12.1	9.6	14.4
104	6.9	5.4	8.0

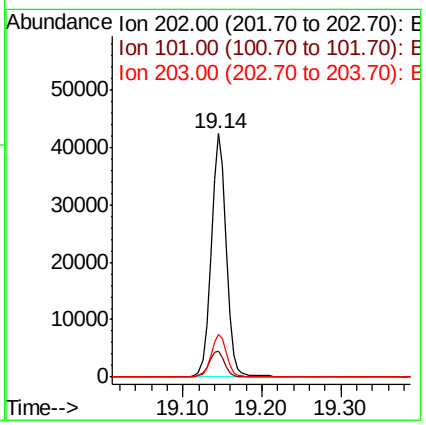


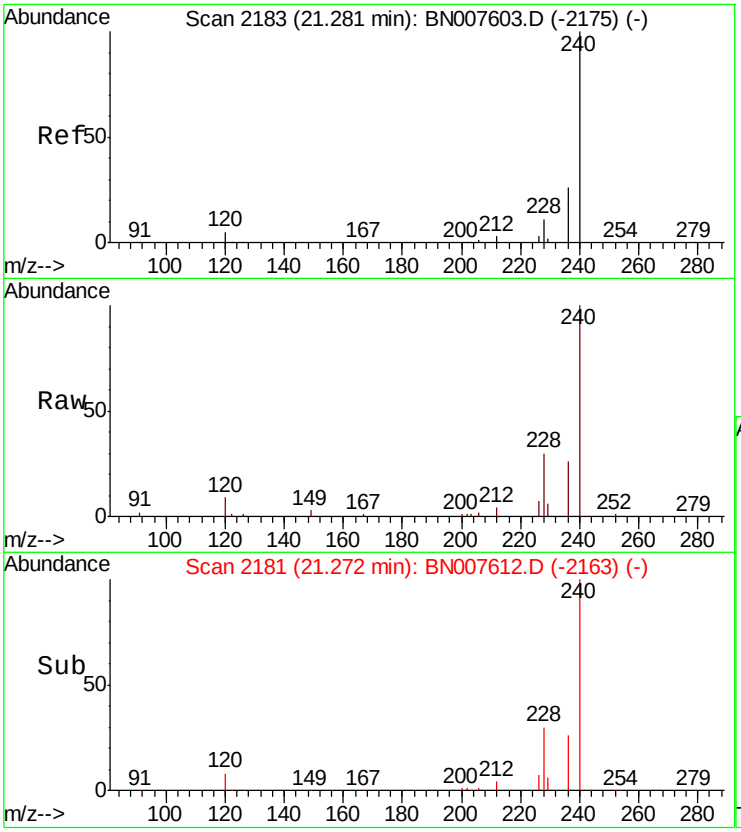


#26
Fluoranthene
Concen: 0.419 ng
RT: 19.14 min Scan# 1888
Delta R.T. -0.00 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Tgt Ion:202 Resp: 56052

Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.6	13.0
203	17.4	13.8	20.6



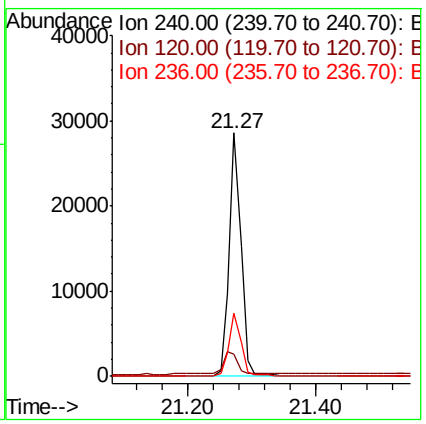


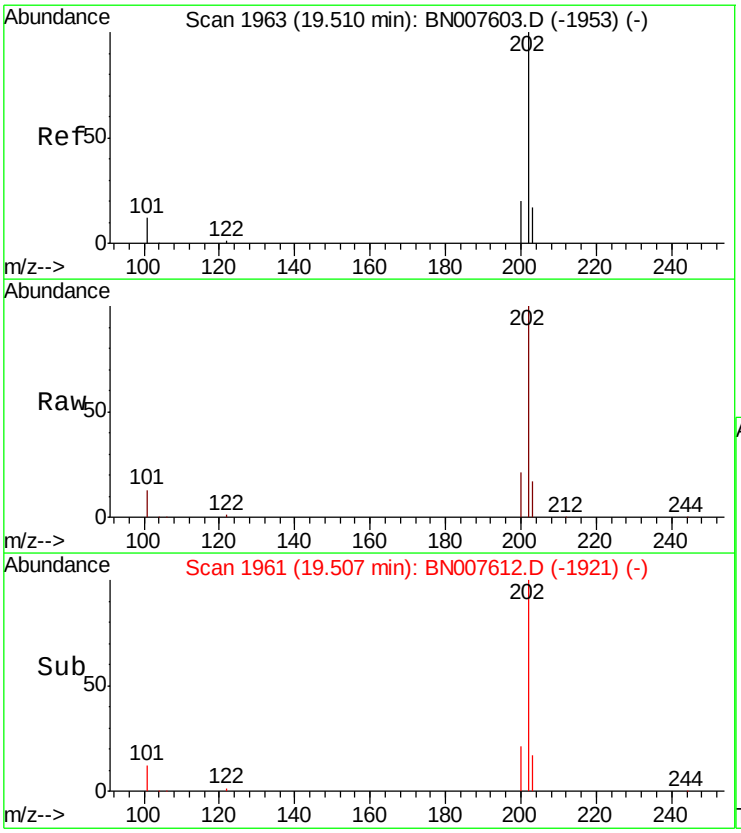
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.27 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Instrument :
BNA_N
ClientSampleId :
PB122692BS

Tgt Ion:240 Resp: 36118

Ion	Ratio	Lower	Upper
240	100		
120	9.2	4.3	6.5#
236	26.0	20.8	31.2

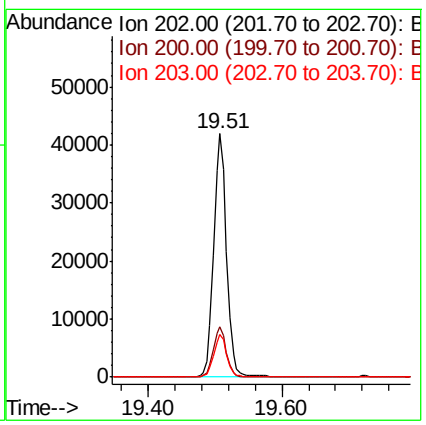


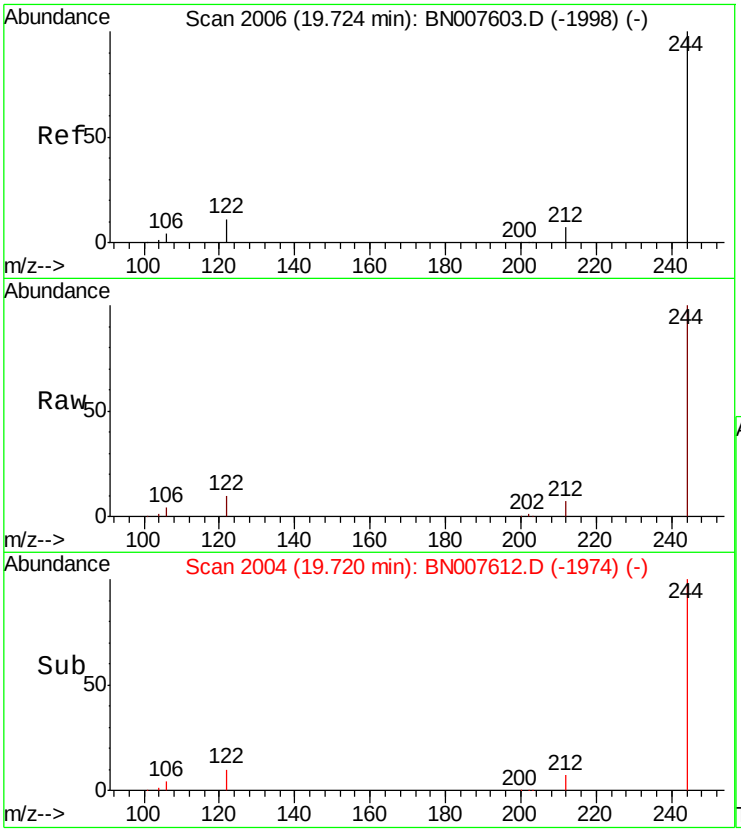


#28
Pyrene
Concen: 0.422 ng
RT: 19.51 min Scan# 1961
Delta R.T. -0.00 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Tgt Ion:202 Resp: 55432

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.4	24.6
203	17.5	14.0	21.0



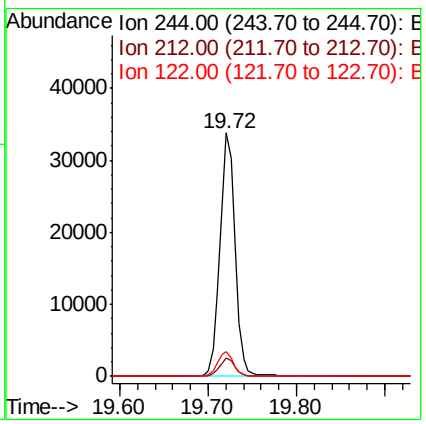


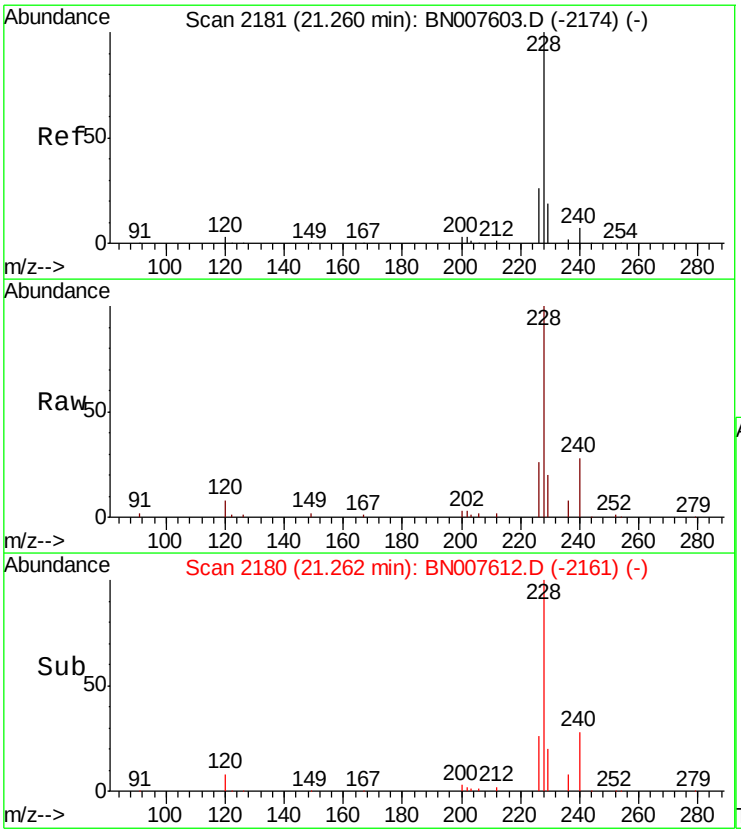
#29
Terphenyl-d14
Concen: 0.421 ng
RT: 19.72 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Instrument :
BNA_N
ClientSampleId :
PB122692BS

Tgt Ion:244 Resp: 40092

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.9	8.9
122	10.4	8.6	12.8

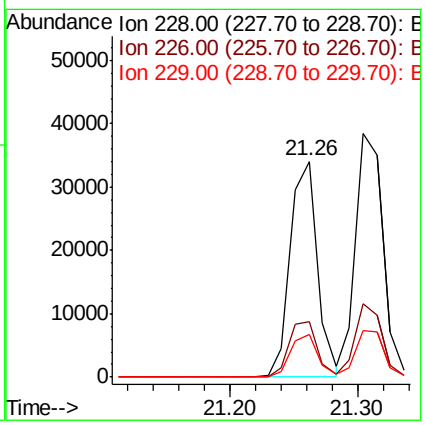


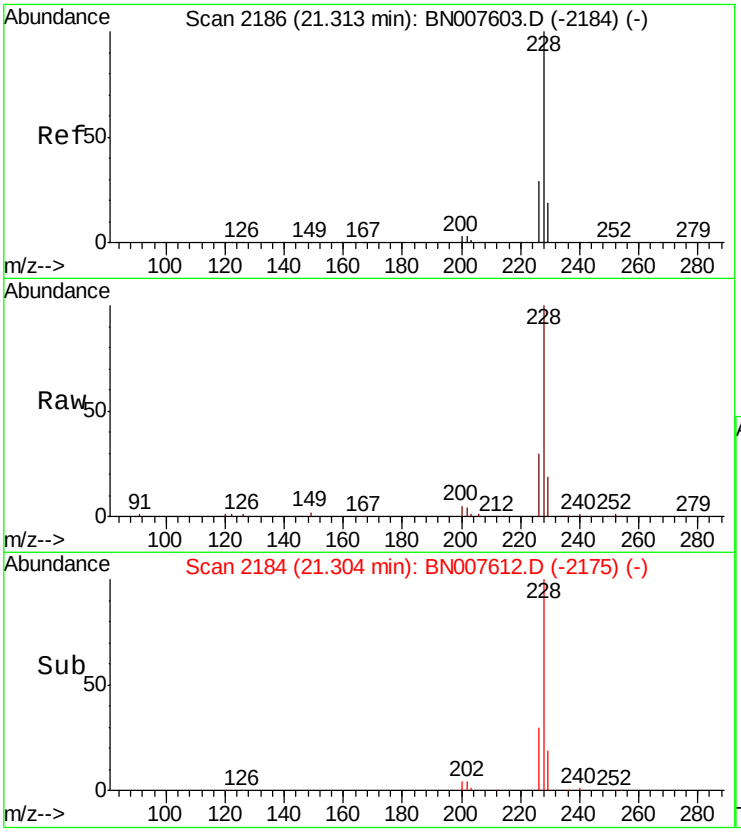


#30
Benzo(a)anthracene
Concen: 0.389 ng
RT: 21.26 min Scan# 2180
Delta R.T. 0.00 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Tgt Ion:228 Resp: 49852

Ion	Ratio	Lower	Upper
228	100		
226	26.0	21.2	31.8
229	20.0	15.5	23.3



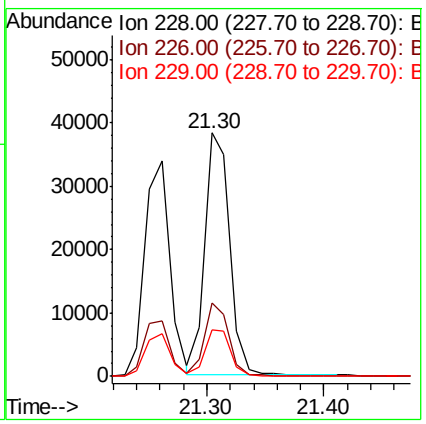


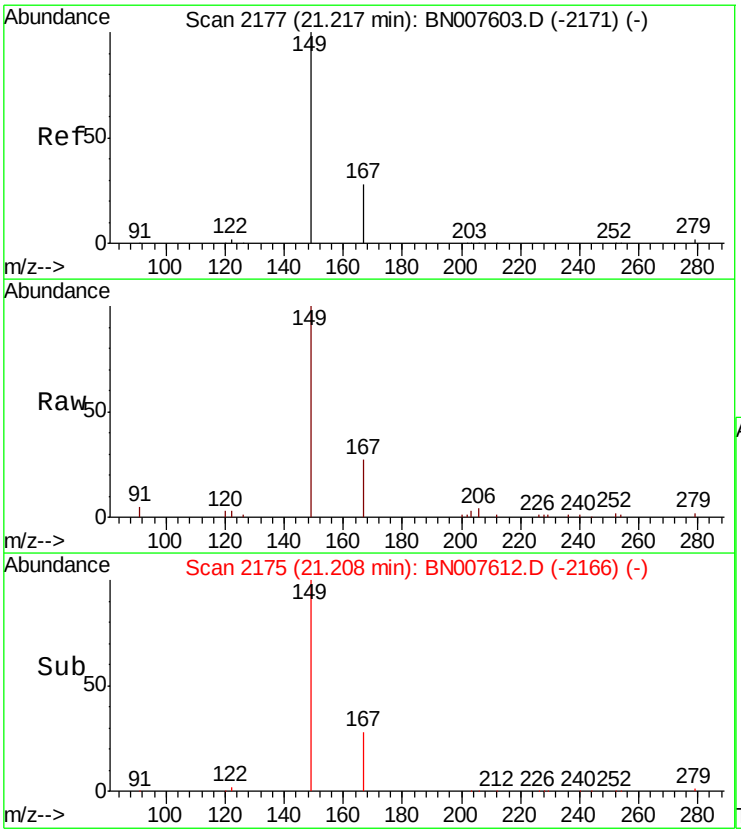
#31
Chrysene
Concen: 0.427 ng
RT: 21.30 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Instrument :
BNA_N
ClientSampleId :
PB122692BS

Tgt Ion:228 Resp: 56905

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.4	35.2
229	19.1	15.5	23.3

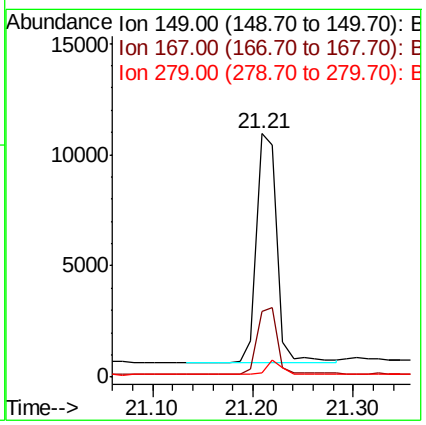


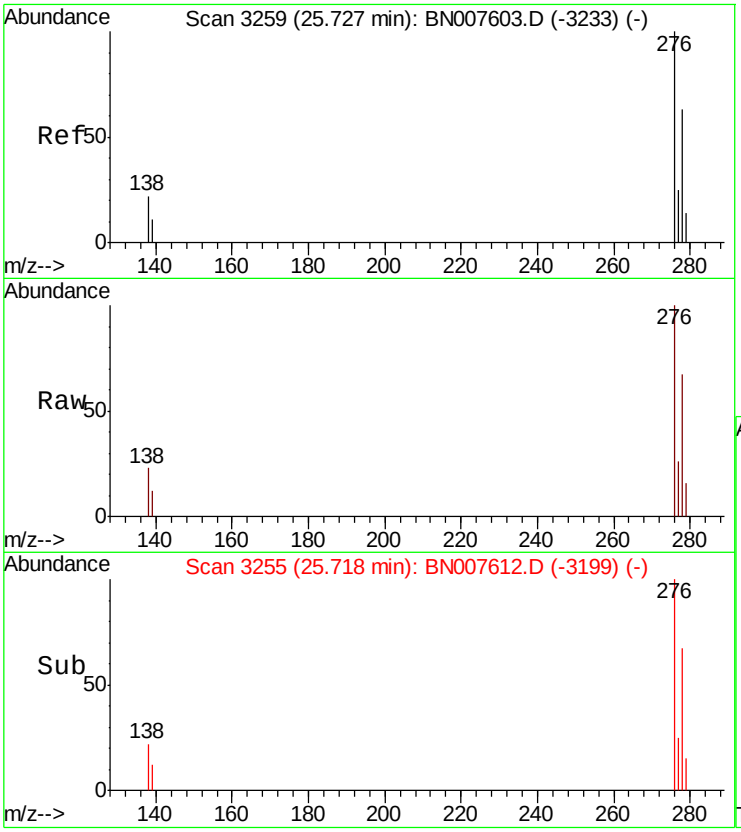


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.337 ng
RT: 21.21 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Tgt Ion:149 Resp: 14638

Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.6	34.0
279	5.1	3.8	5.6



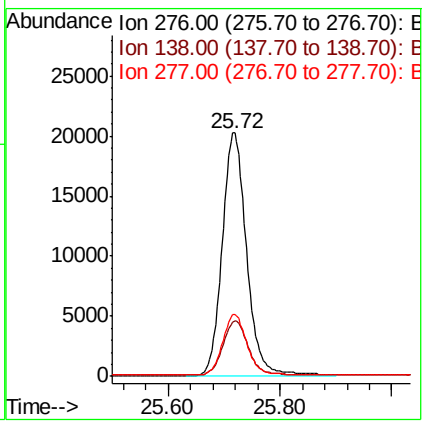


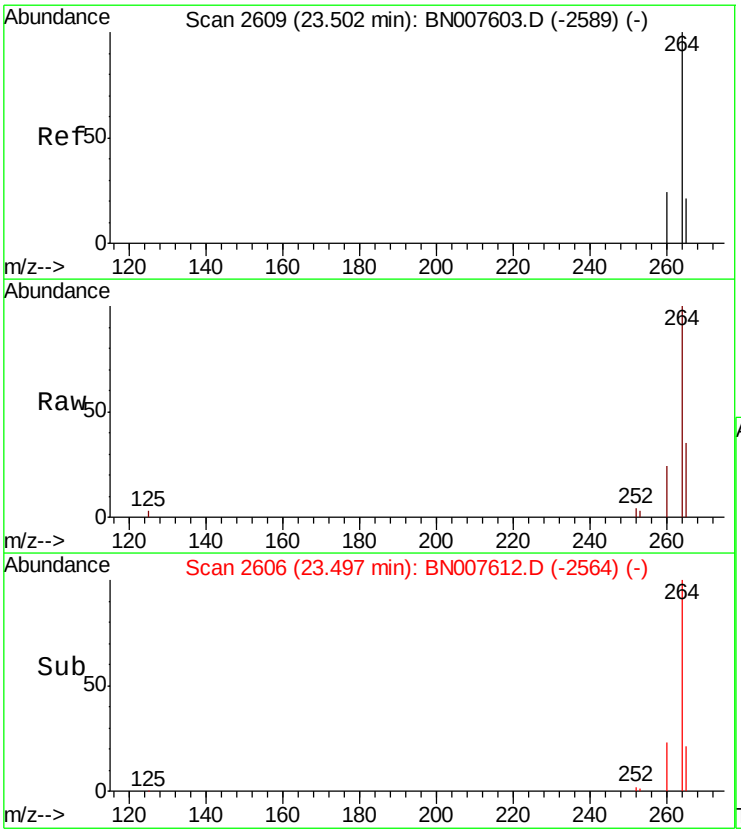
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.430 ng
RT: 25.72 min Scan# 3255
Delta R.T. -0.01 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Instrument :
BNA_N
ClientSampleId :
PB122692BS

Tgt Ion:276 Resp: 61135

Ion	Ratio	Lower	Upper
276	100		
138	23.1	18.2	27.4
277	25.0	20.1	30.1

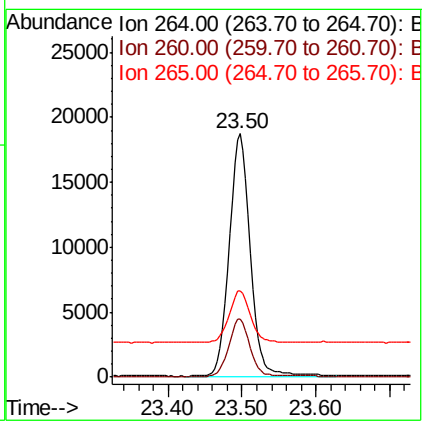


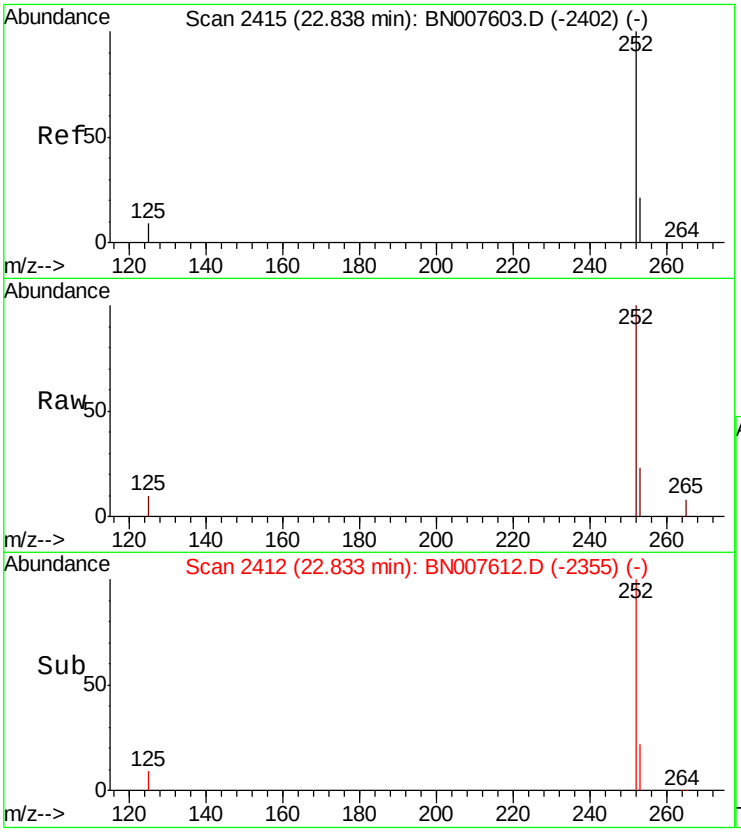


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.50 min Scan# 2606
Delta R.T. -0.01 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Tgt Ion:264 Resp: 36586

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	35.4	24.6	37.0



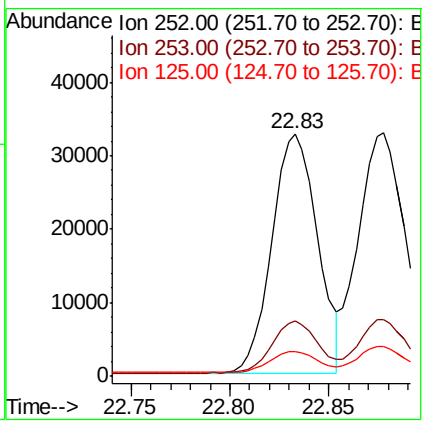


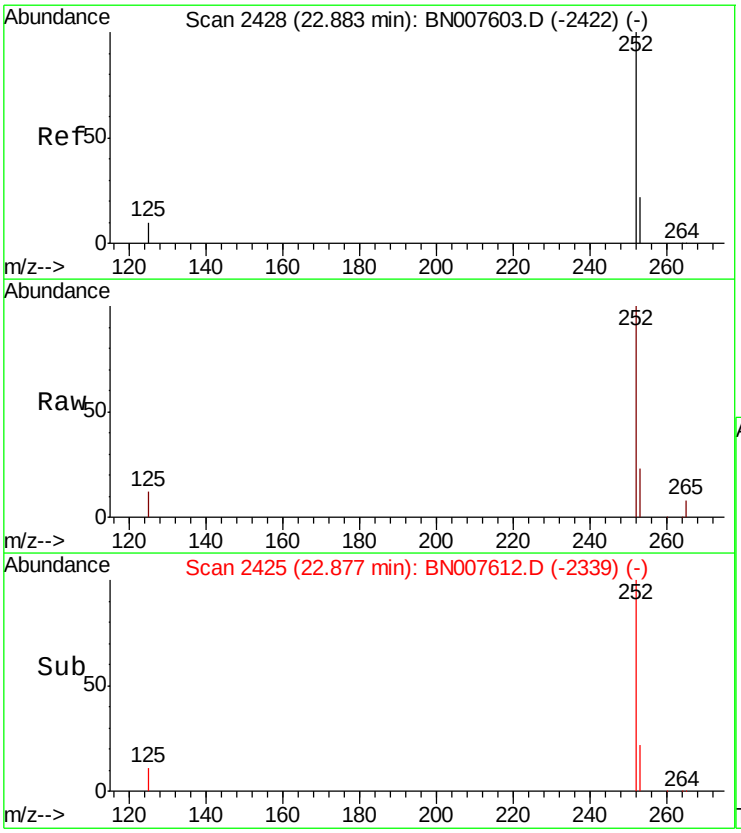
#35
Benzo(b)fluoranthene
Concen: 0.395 ng
RT: 22.83 min Scan# 2412
Delta R.T. -0.01 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Instrument :
BNA_N
ClientSampleId :
PB122692BS

Tgt Ion:252 Resp: 52494

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	10.5	8.0	12.0

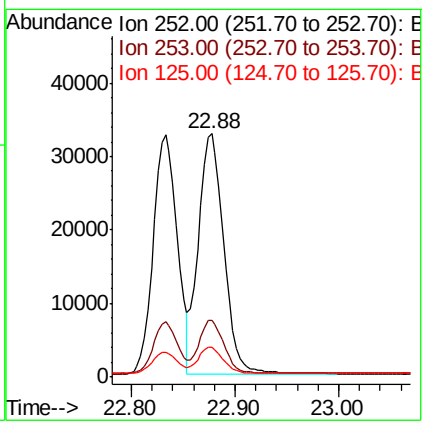


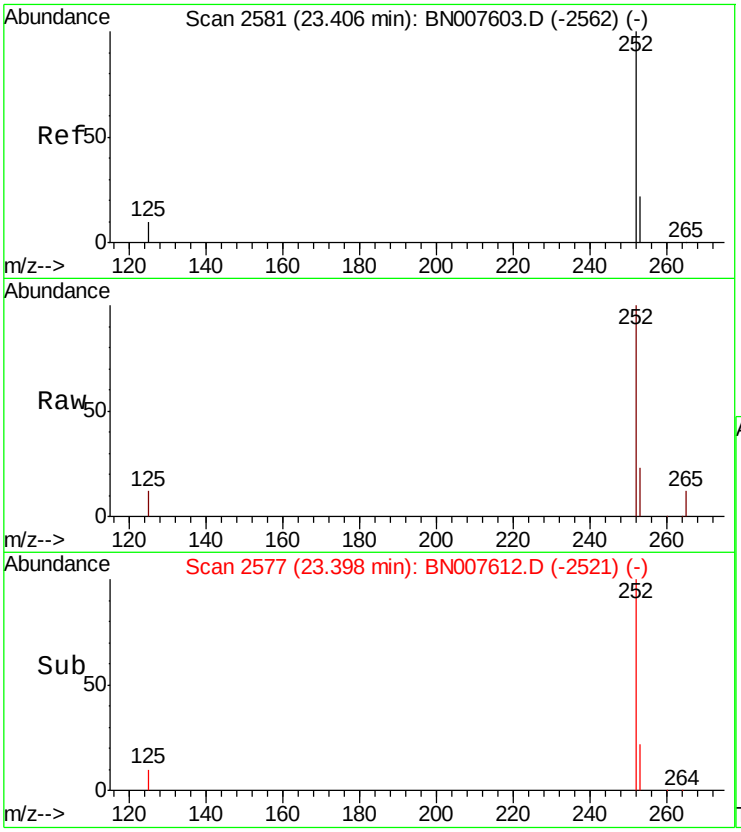


#36
Benzo(k)fluoranthene
Concen: 0.412 ng
RT: 22.88 min Scan# 2425
Delta R.T. -0.01 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Tgt Ion:252 Resp: 55955

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.3	27.5
125	12.5	8.9	13.3



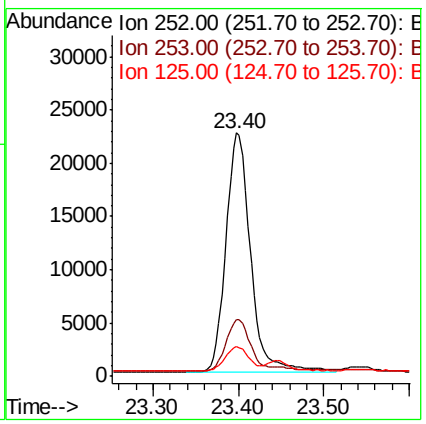


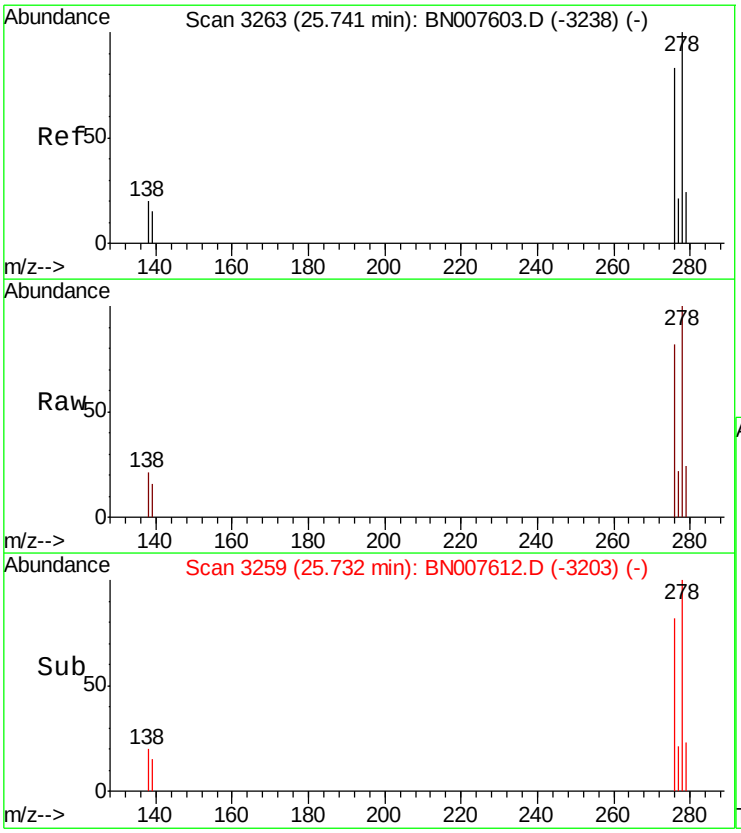
#37
Benzo(a)pyrene
Concen: 0.385 ng
RT: 23.40 min Scan# 2577
Delta R.T. -0.01 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Instrument :
BNA_N
ClientSampleId :
PB122692BS

Tgt Ion:252 Resp: 45456

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.3	27.5
125	12.1	8.9	13.3

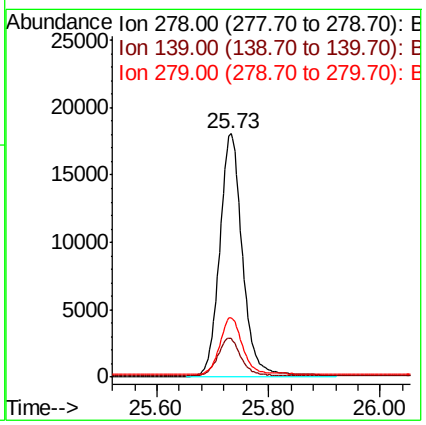


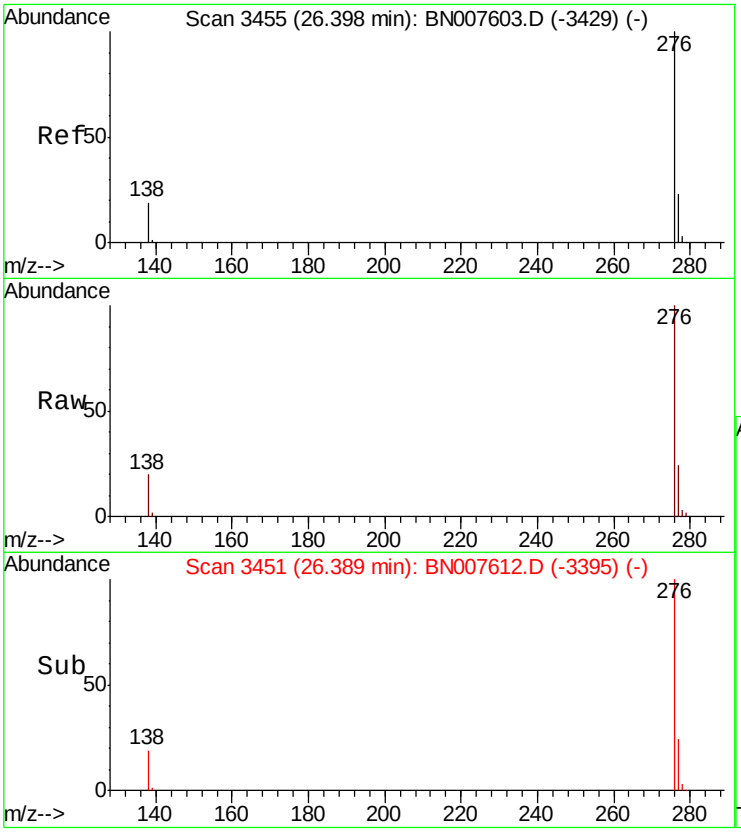


#38
Dibenzo(a,h)anthracene
Concen: 0.411 ng
RT: 25.73 min Scan# 3259
Delta R.T. -0.01 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Tgt Ion:278 Resp: 50693

Ion	Ratio	Lower	Upper
278	100		
139	15.8	12.6	18.8
279	24.4	19.6	29.4





#39
Benzo(g,h,i)perylene
Concen: 0.404 ng
RT: 26.39 min Scan# 3451
Delta R.T. -0.01 min
Lab File: BN007612.D
Acq: 12 Sep 2019 17:55

Instrument :
BNA_N
ClientSampleId :
PB122692BS

Tgt Ion:276 Resp: 49339

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.1	28.7
138	20.1	15.8	23.6