Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092519\
Data File : BN007862.D
Acq On : 25 Sep 2019 20:04
Operator : JU
Sample : K4994-07MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PST-B231-091919-1MSD

Quant Time: Sep 26 03:54:05 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	7.69	152	10391	0.40	ng		0.00
7) Naphthalene-d8	10.46	136	37690	0.40	ng		-0.01
13) Acenaphthene-d10	14.31	164	19905	0.40	ng		-0.01
19) Phenanthrene-d10	17.06	188	35416	0.40	ng		-0.01
27) Chrysene-d12	21.25	240	34451	0.40	ng		-0.02
34) Perylene-d12	23.47	264	44107	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.31	112	10873	0.30	ng		0.00
5) Phenol-d6	6.86	99	14113	0.32	ng		0.00
8) Nitrobenzene-d5	8.83	82	12212	0.37	ng		0.00
11) 2-Methylnaphthalene-d10	12.05	152	26688	0.42	ng		-0.01
14) 2,4,6-Tribromophenol	15.81	330	2539	0.23	ng		-0.01
15) 2-Fluorobiphenyl	12.93	172	29000	0.35	ng		-0.01
25) Fluoranthene-d10	19.09	212	36485	0.31	ng		-0.01
29) Terphenyl-d14	19.70	244	28628	0.34	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.30	88	3169	0.274	ng	#	74
3) n-Nitrosodimethylamine	3.01	42	94107	17.740	ng	#	69
6) bis(2-Chloroethyl)ether	7.13	93	10551	0.359	ng		94
9) Naphthalene	10.51	128	50333	0.476	ng		100
10) Hexachlorobutadiene	10.81	225	7234	0.325	ng	#	100
12) 2-Methylnaphthalene	12.13	142	35829	0.501	ng		99
16) Acenaphthylene	14.02	152	104862	0.993	ng		99
17) Acenaphthene	14.37	154	34686	0.510	ng		96
18) Fluorene	15.36	166	52033	0.597	ng	#	92
20) 4-Bromophenyl-phenylether	16.25	248	7764	0.361	ng	#	74
21) Hexachlorobenzene	16.38	284	7679	0.327	ng		97
22) Pentachlorophenol	16.71	266	4720	0.545	ng		96
23) Phenanthrene	17.10	178	832550	7.546	ng		100
24) Anthracene	17.19	178	127236	1.277	ng		99
26) Fluoranthene	19.12	202	892180	6.503	ng		99
28) Pyrene	19.49	202	1442593	12.278	ng		96
30) Benzo(a)anthracene	21.24	228	642794	5.067	ng		95
31) Chrysene	21.29	228	750795	6.072	ng		98
32) Bis(2-ethylhexyl)phthalate	21.19	149	54747	0.839	ng		97
33) Indeno(1,2,3-cd)pyrene	25.68	276	411116	2.656	ng		98
35) Benzo(b)fluoranthene	22.81	252	681793	4.453	ng		99
36) Benzo(k)fluoranthene	22.81	252	681793	4.503	ng		99
37) Benzo(a)pyrene	23.37	252	602541	4.187	ng		98
38) Dibenzo(a,h)anthracene	25.69	278	156386	1.062	ng		96
39) Benzo(g,h,i)perylene	26.35	276	491254	3.372	ng		99

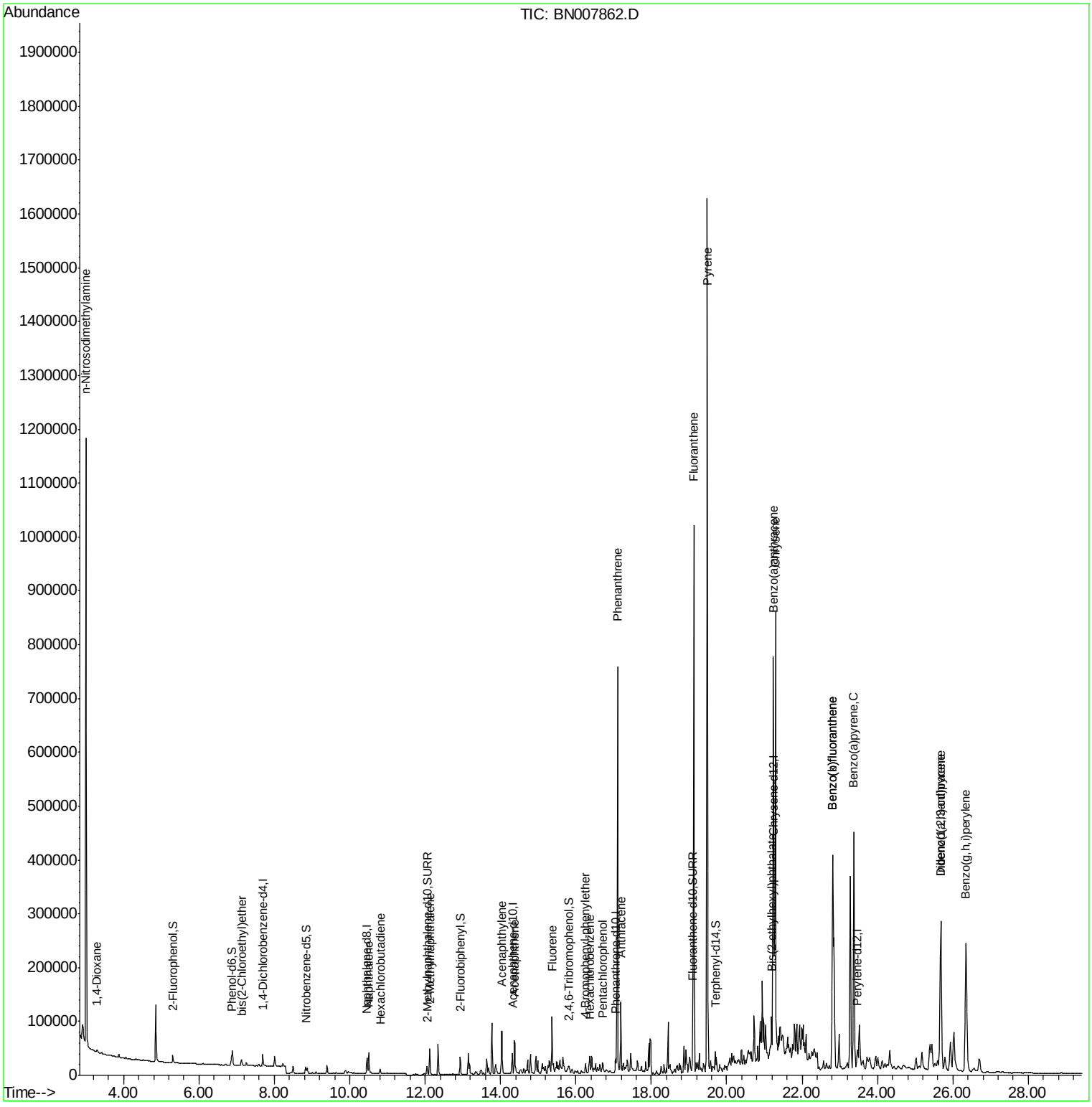
(#) = qualifier out of range (m) = manual integration (+) = signals summed

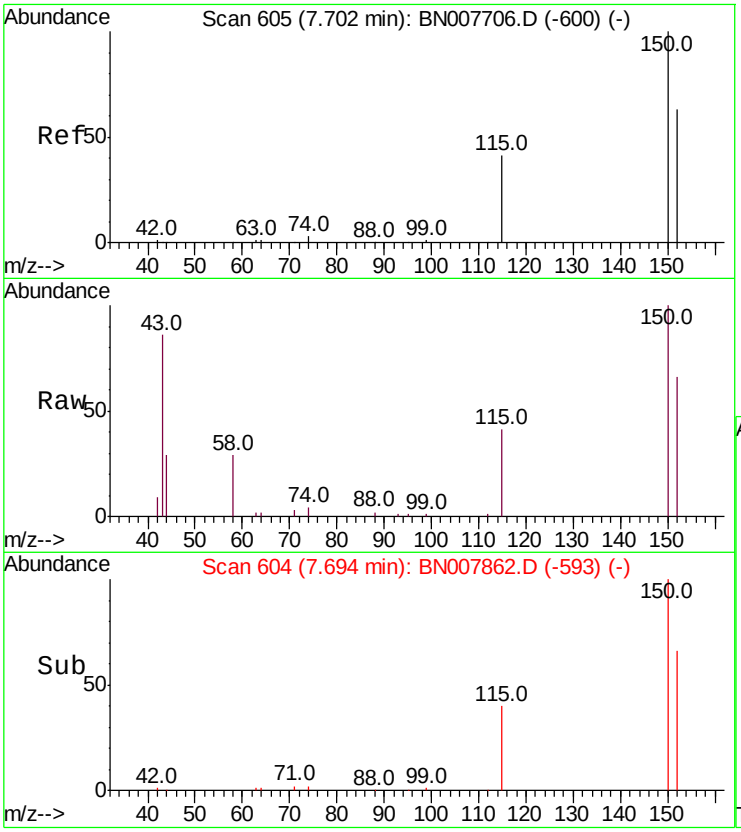
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092519\
Data File : BN007862.D
Acq On : 25 Sep 2019 20:04
Operator : JU
Sample : K4994-07MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MSD

Quant Time: Sep 26 03:54:05 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



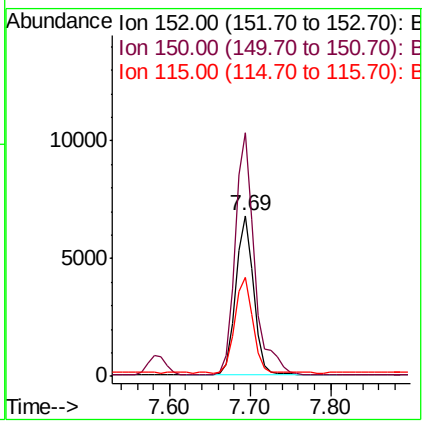


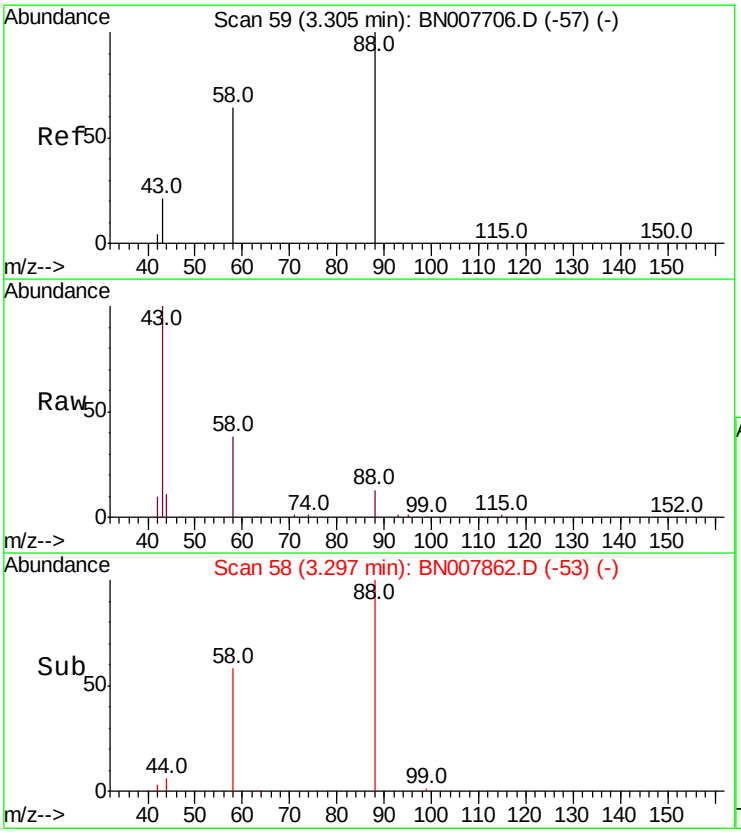
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 604
Delta R.T. -0.01 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MSD

Tgt Ion:152 Resp: 10391

Ion	Ratio	Lower	Upper
152	100		
150	151.6	125.6	188.4
115	61.7	53.3	79.9

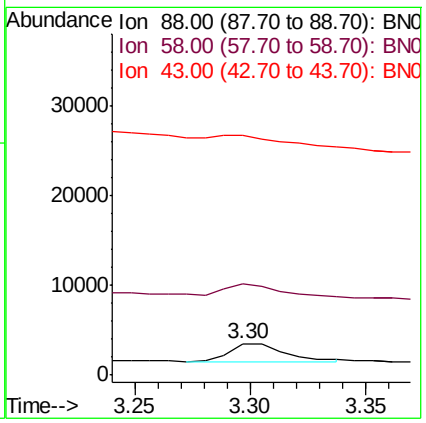


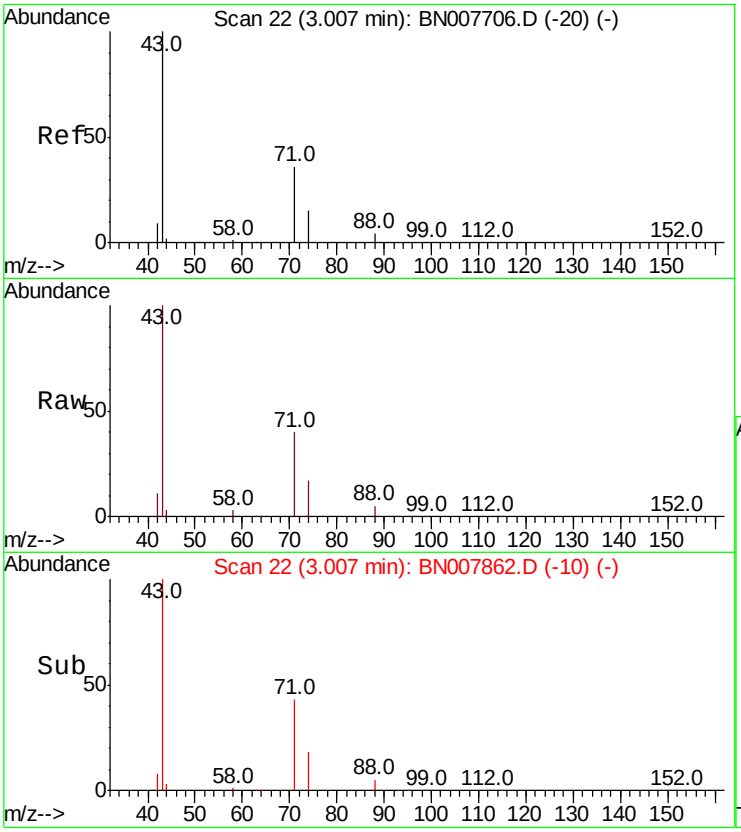


#2
1,4-Dioxane
Concen: 0.274 ng
RT: 3.30 min Scan# 58
Delta R.T. -0.01 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Tgt Ion: 88 Resp: 3169

Ion	Ratio	Lower	Upper
88	100		
58	71.4	44.6	66.8#
43	0.0	14.4	21.6#



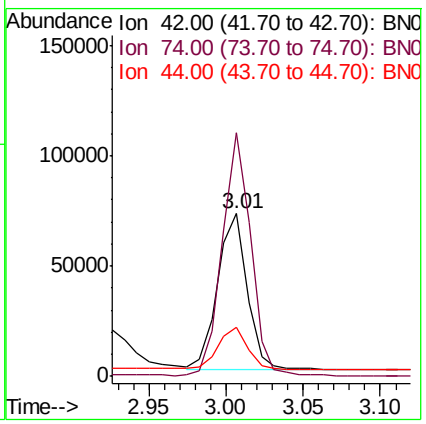


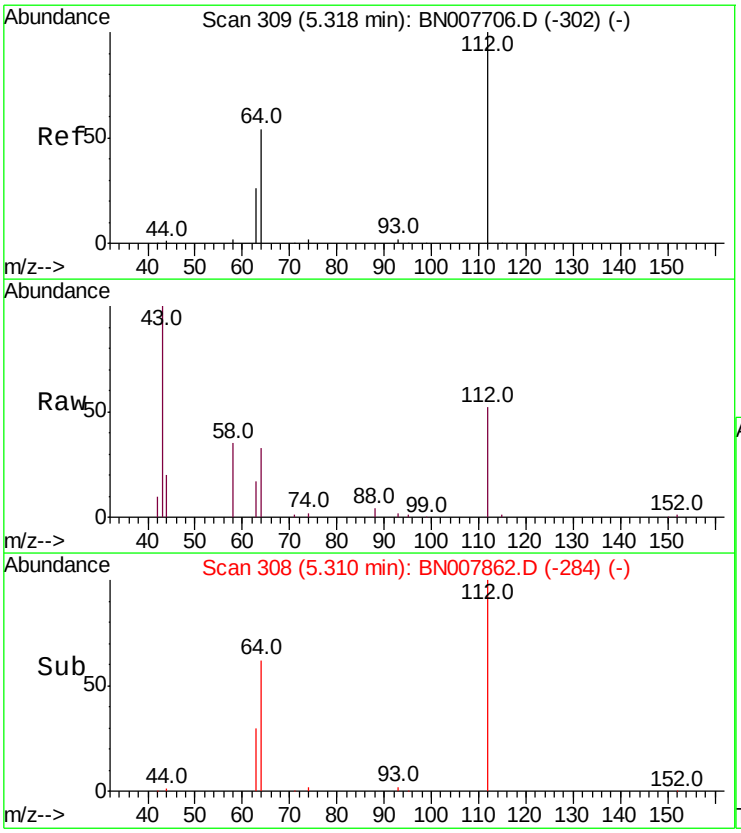
#3
n-Nitrosodimethylamine
Concen: 17.740 ng
RT: 3.01 min Scan# 22
Delta R.T. -0.00 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MSD

Tgt Ion: 42 Resp: 94107

Ion	Ratio	Lower	Upper
42	100		
74	148.2	87.9	131.9#
44	27.6	29.4	44.0#

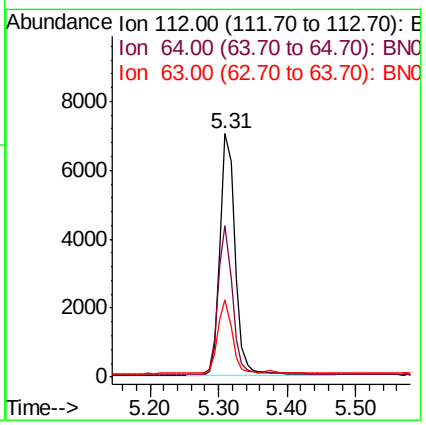


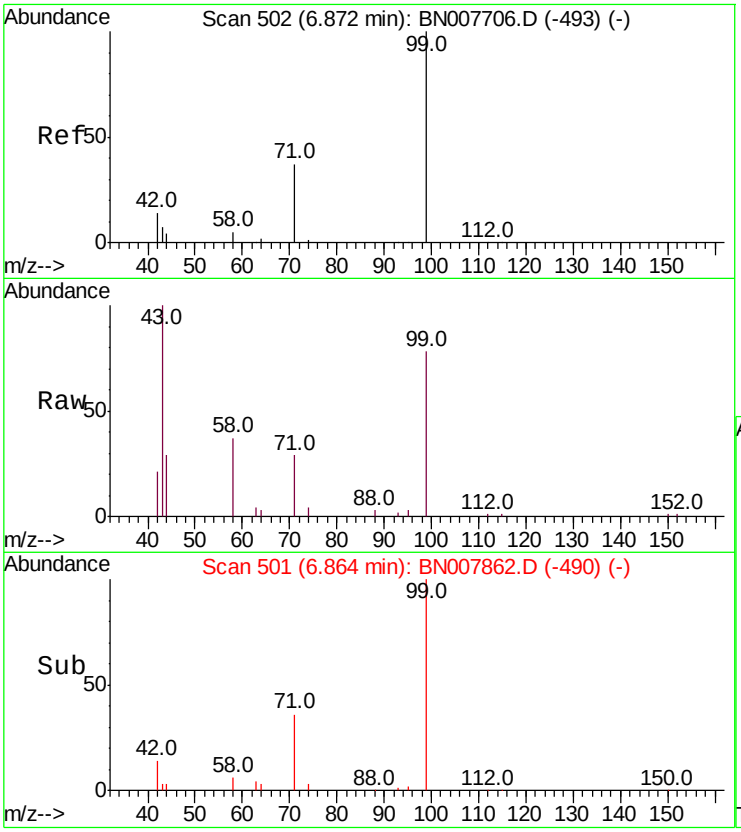


#4
2-Fluorophenol
Concen: 0.304 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Tgt Ion:112 Resp: 10873

Ion	Ratio	Lower	Upper
112	100		
64	59.7	46.6	70.0
63	28.3	23.1	34.7



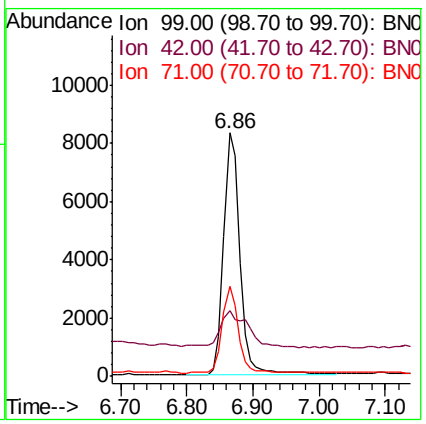


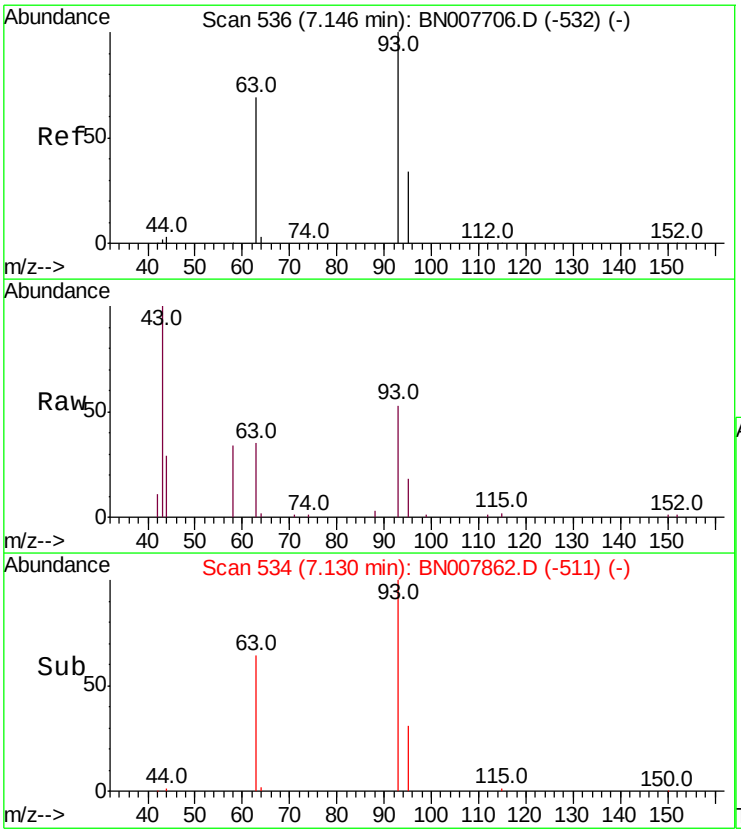
#5
Phenol-d6
Concen: 0.315 ng
RT: 6.86 min Scan# 501
Delta R.T. -0.01 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MSD

Tgt Ion: 99 Resp: 14113

Ion	Ratio	Lower	Upper
99	100		
42	25.5	12.8	19.2#
71	35.7	27.6	41.4

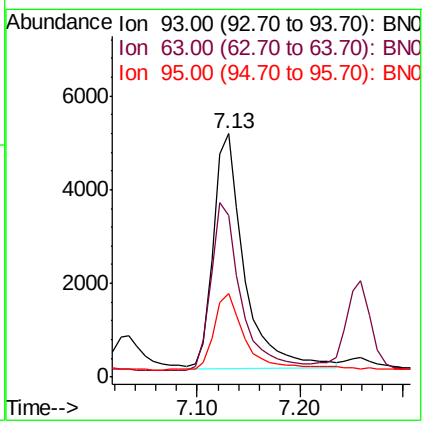


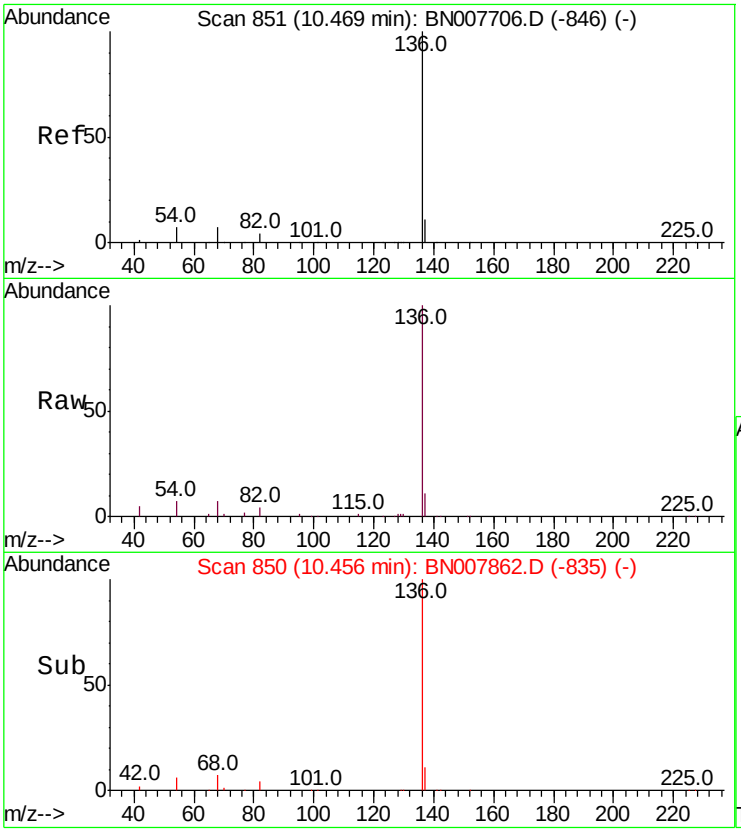


#6
bis(2-Chloroethyl)ether
Concen: 0.359 ng
RT: 7.13 min Scan# 534
Delta R.T. -0.02 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Tgt Ion: 93 Resp: 10551

Ion	Ratio	Lower	Upper
93	100		
63	69.8	59.3	88.9
95	34.2	31.4	47.0



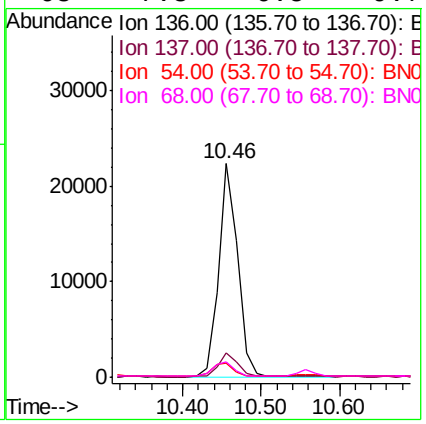


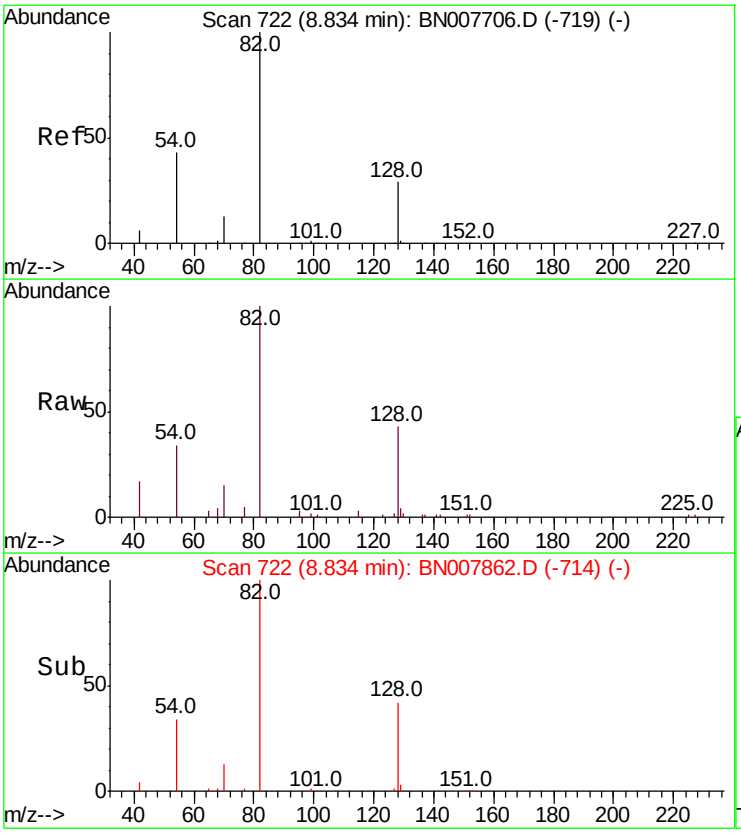
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.46 min Scan# 850
Delta R.T. -0.01 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MSD

Tgt Ion:136 Resp: 37690

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	6.7	5.8	8.8
68	7.3	6.5	9.7

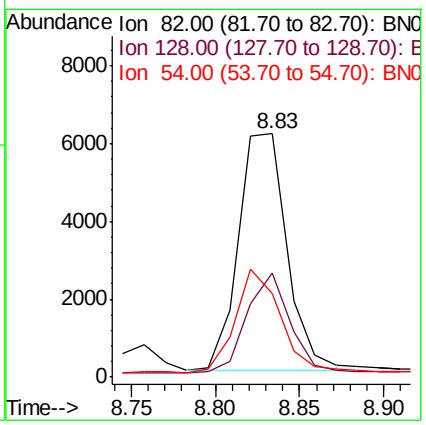


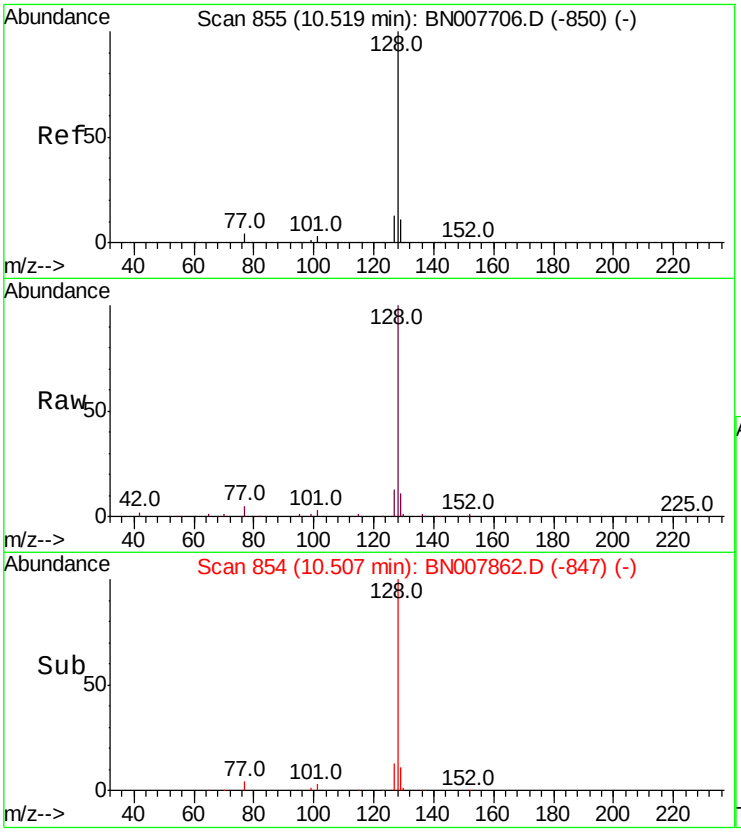


#8
Nitrobenzene-d5
Concen: 0.370 ng
RT: 8.83 min Scan# 722
Delta R.T. -0.00 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Tgt Ion: 82 Resp: 12212

Ion	Ratio	Lower	Upper
82	100		
128	42.5	24.5	36.7#
54	34.5	35.2	52.8#



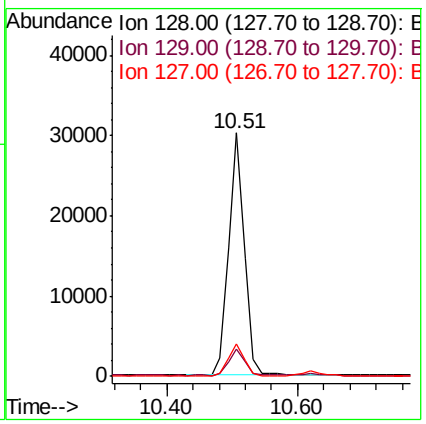


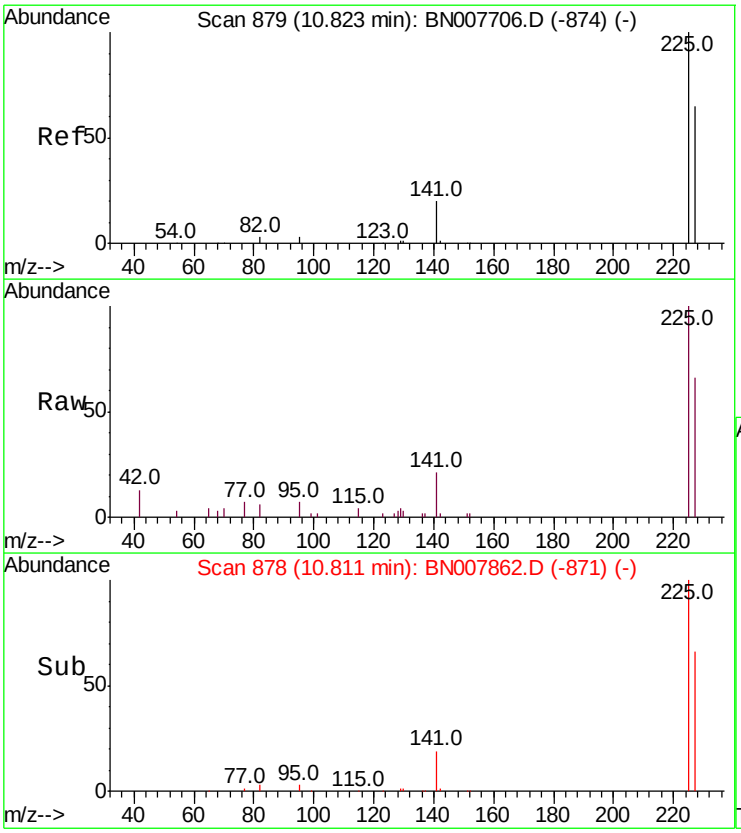
#9
Naphthalene
Concen: 0.476 ng
RT: 10.51 min Scan# 854
Delta R.T. -0.01 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MSD

Tgt Ion:128 Resp: 50333

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.1	13.7
127	13.2	10.6	15.8

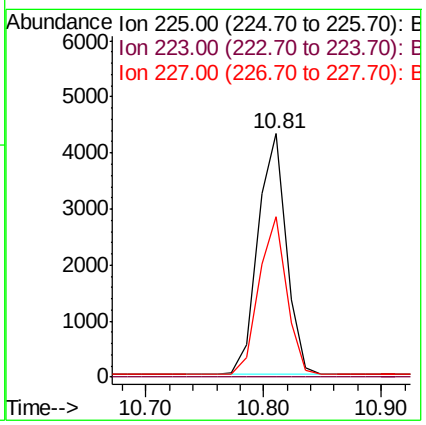


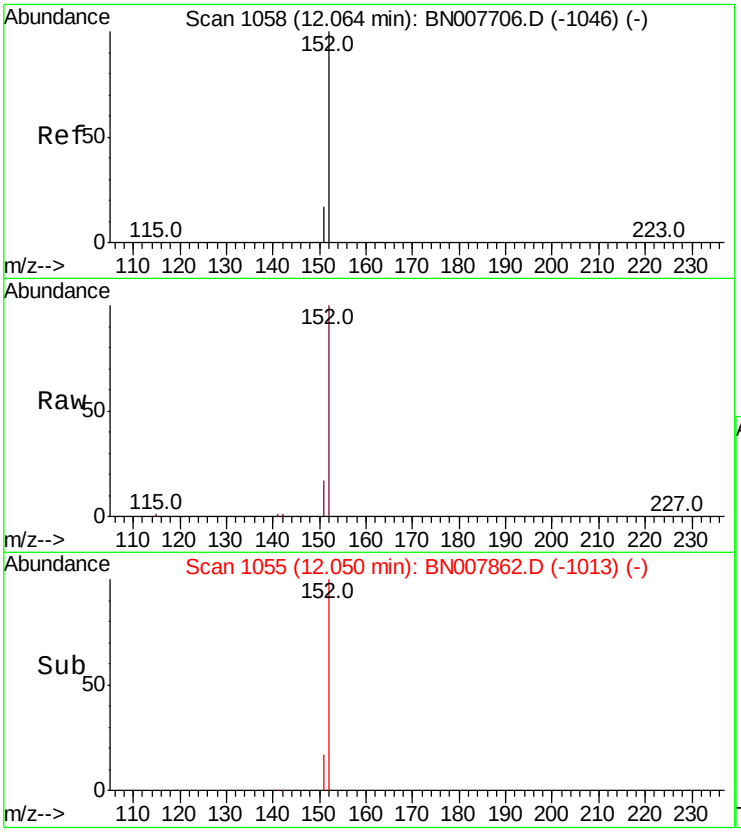


#10
Hexachlorobutadiene
Concen: 0.325 ng
RT: 10.81 min Scan# 878
Delta R.T. -0.01 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Tgt Ion:225 Resp: 7234

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	51.2	76.8



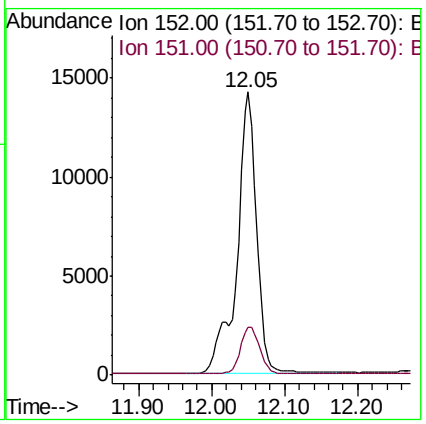


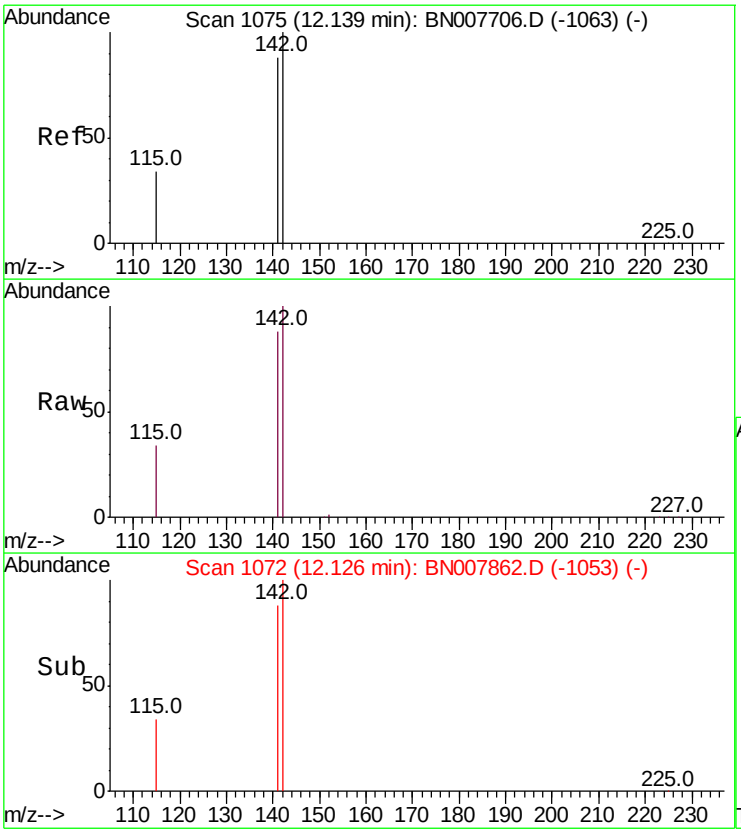
#11
2-Methylnaphthalene-d10
Concen: 0.420 ng
RT: 12.05 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MSD

Tgt Ion:152 Resp: 26688

Ion	Ratio	Lower	Upper
152	100		
151	16.1	15.4	23.2

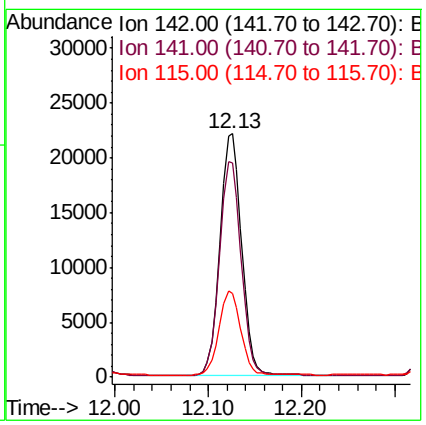


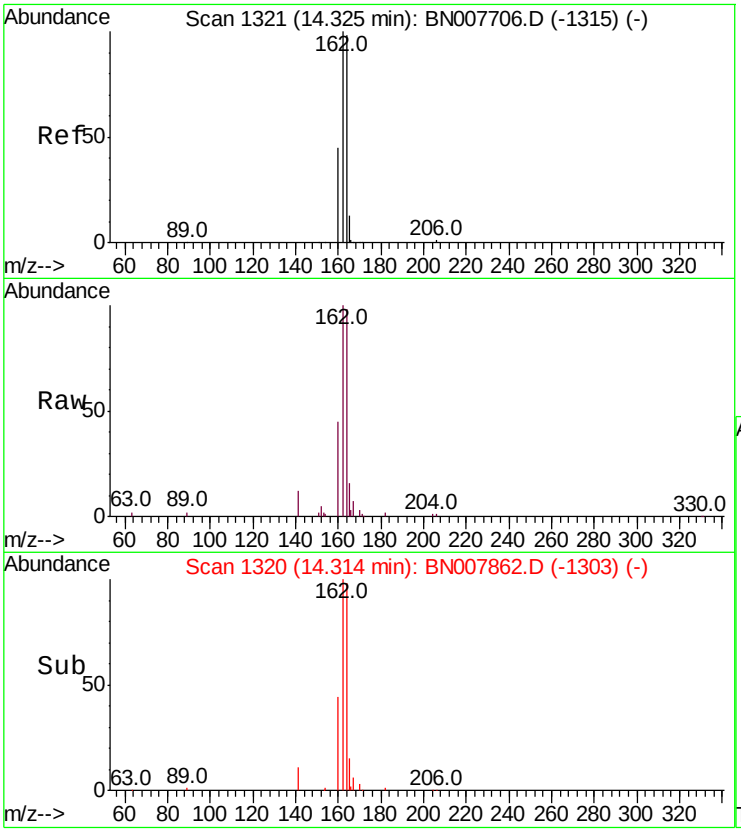


#12
2-Methylnaphthalene
Concen: 0.501 ng
RT: 12.13 min Scan# 1072
Delta R.T. -0.01 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Tgt Ion:142 Resp: 35829

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.6	106.0
115	34.4	28.3	42.5



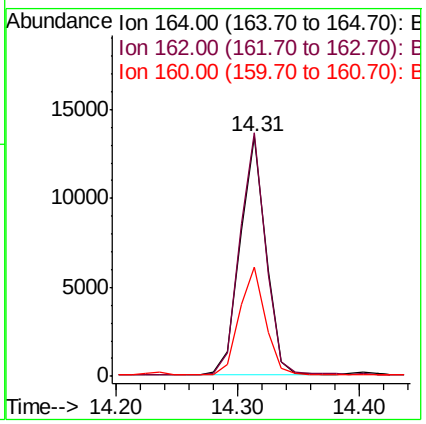


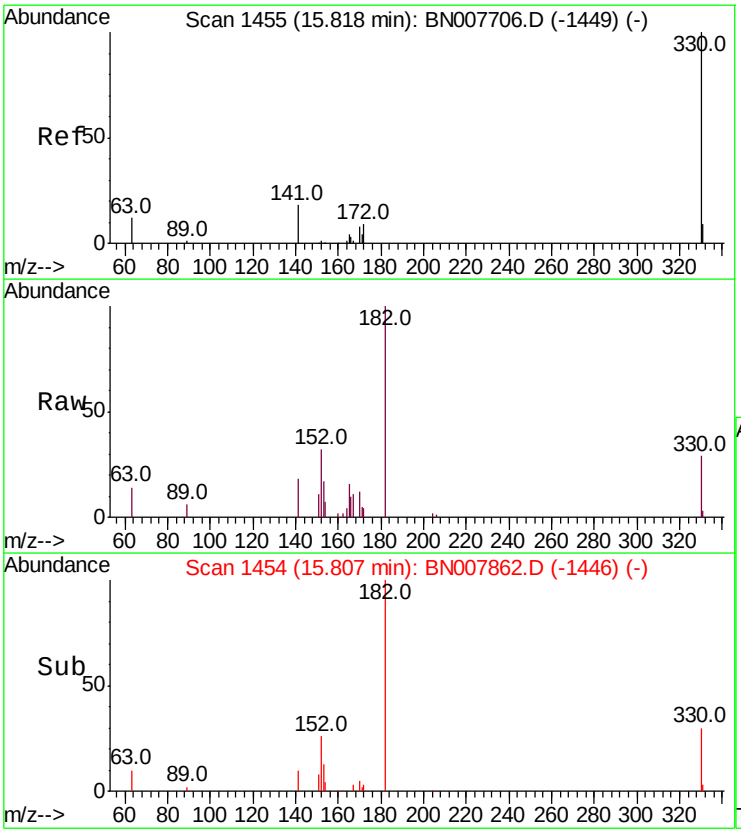
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MSD

Tgt Ion:164 Resp: 19905

Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.7	122.5
160	45.6	37.0	55.4

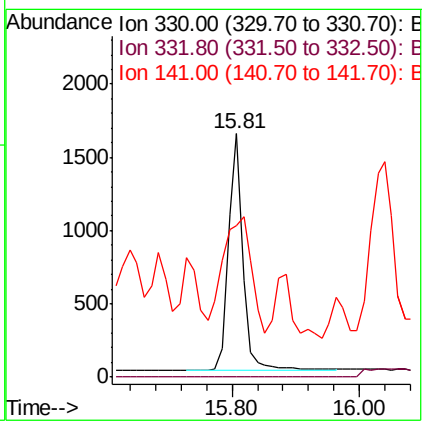


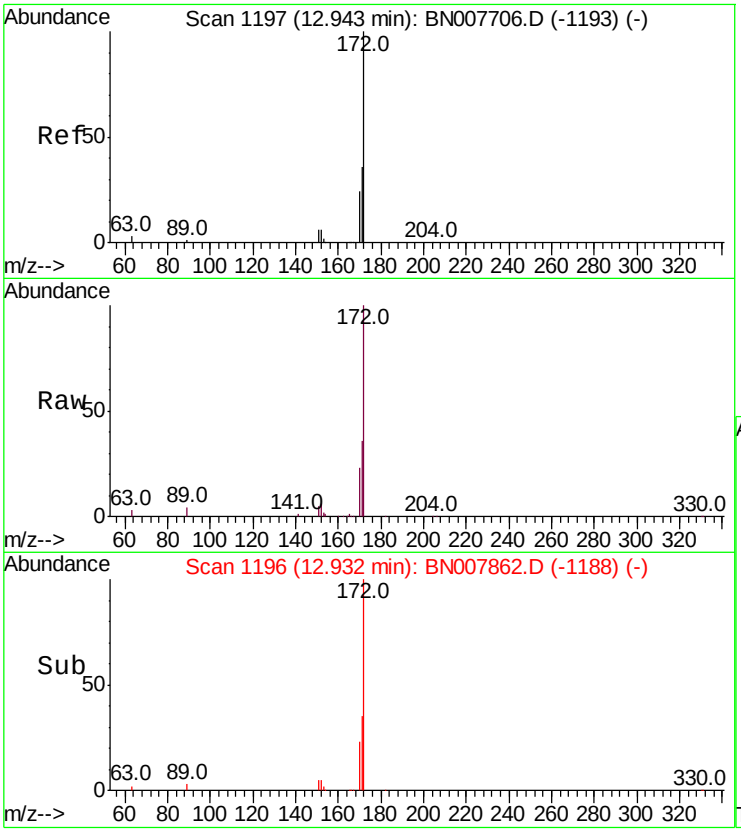


#14
2,4,6-Tribromophenol
Concen: 0.234 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Tgt Ion:330 Resp: 2539

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	94.5	28.7	43.1#



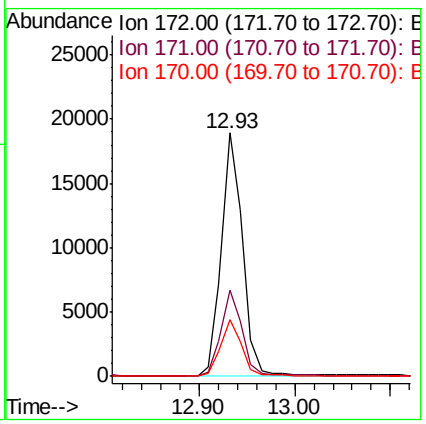


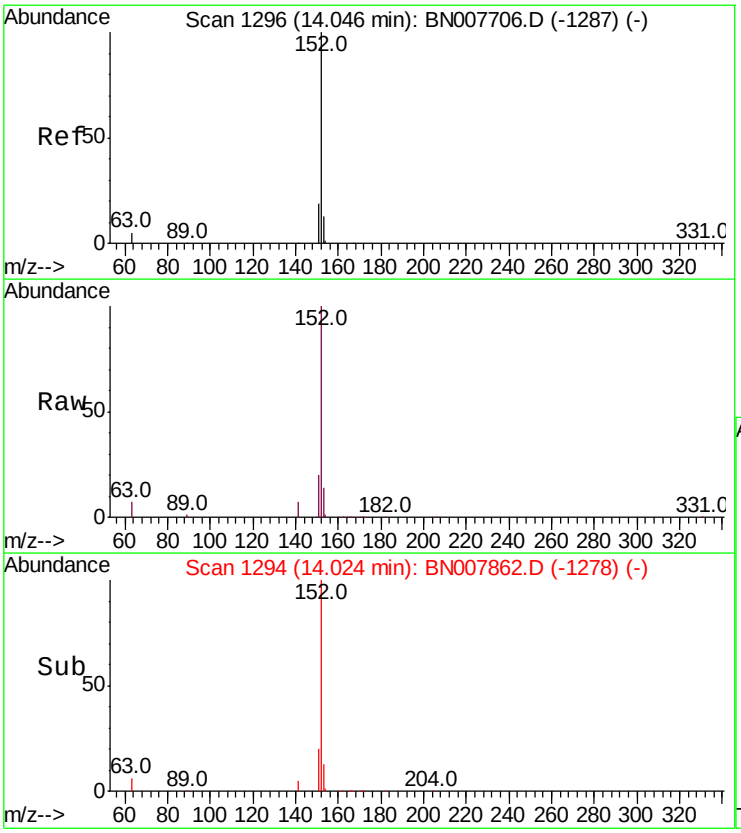
#15
2-Fluorobiphenyl
Concen: 0.354 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MSD

Tgt Ion:172 Resp: 29000

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.8	43.2
170	23.2	19.5	29.3

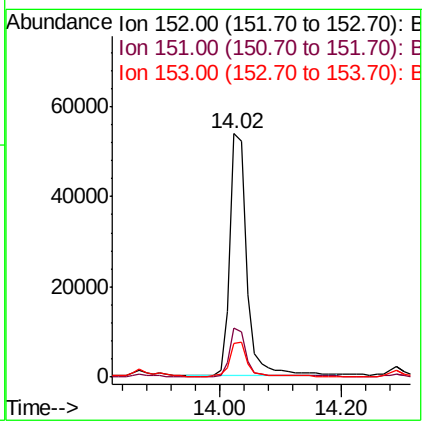


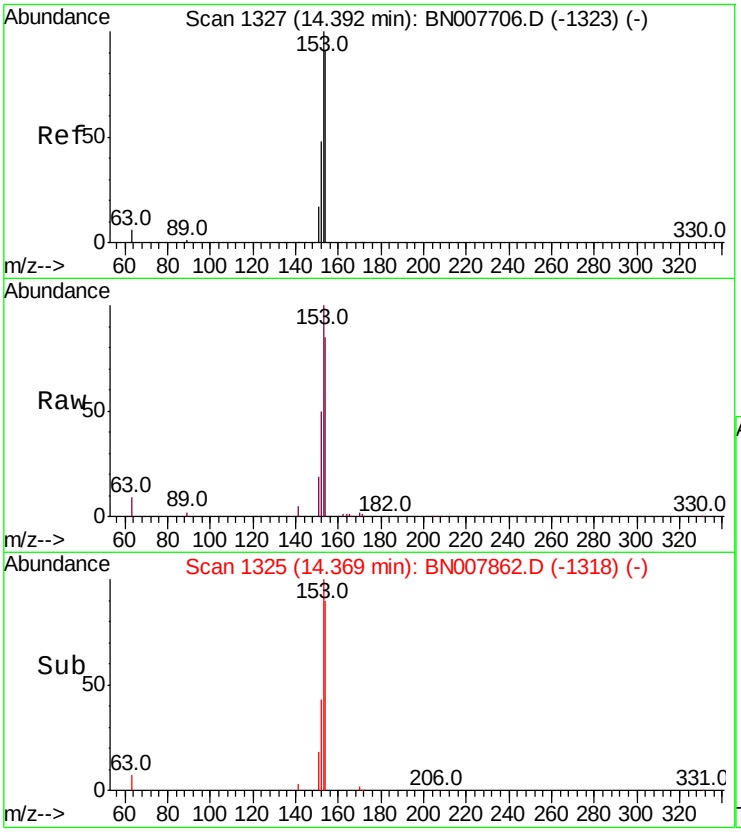


#16
Acenaphthylene
Concen: 0.993 ng
RT: 14.02 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Tgt Ion:152 Resp: 104862

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3
153	14.2	10.4	15.6



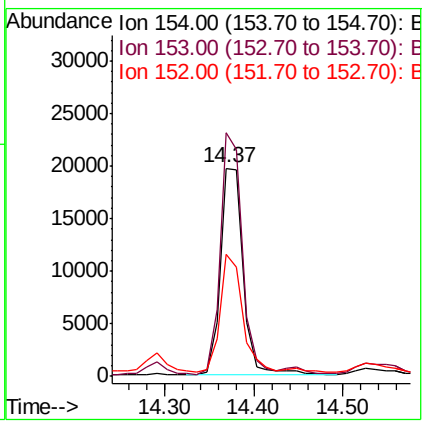


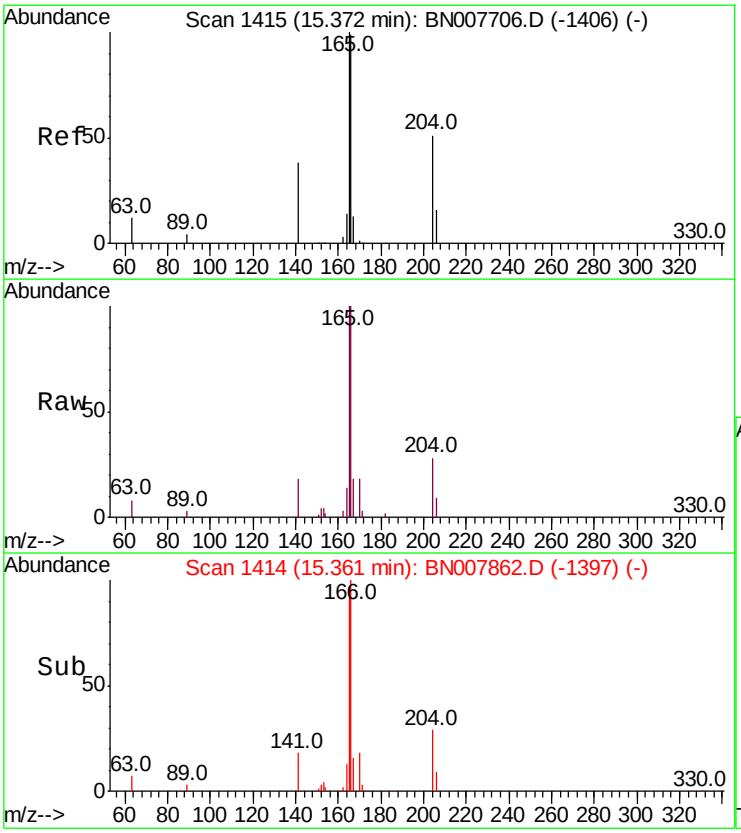
#17
Acenaphthene
Concen: 0.510 ng
RT: 14.37 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MSD

Tgt Ion:154 Resp: 34686

Ion	Ratio	Lower	Upper
154	100		
153	113.1	87.0	130.4
152	56.2	42.7	64.1

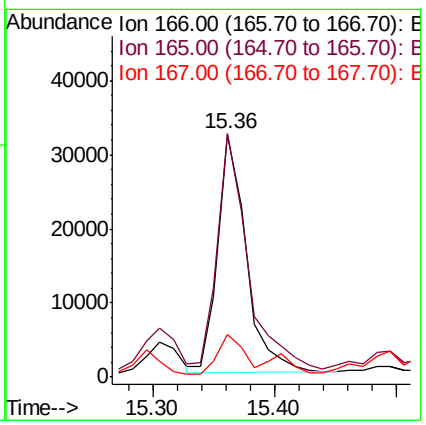


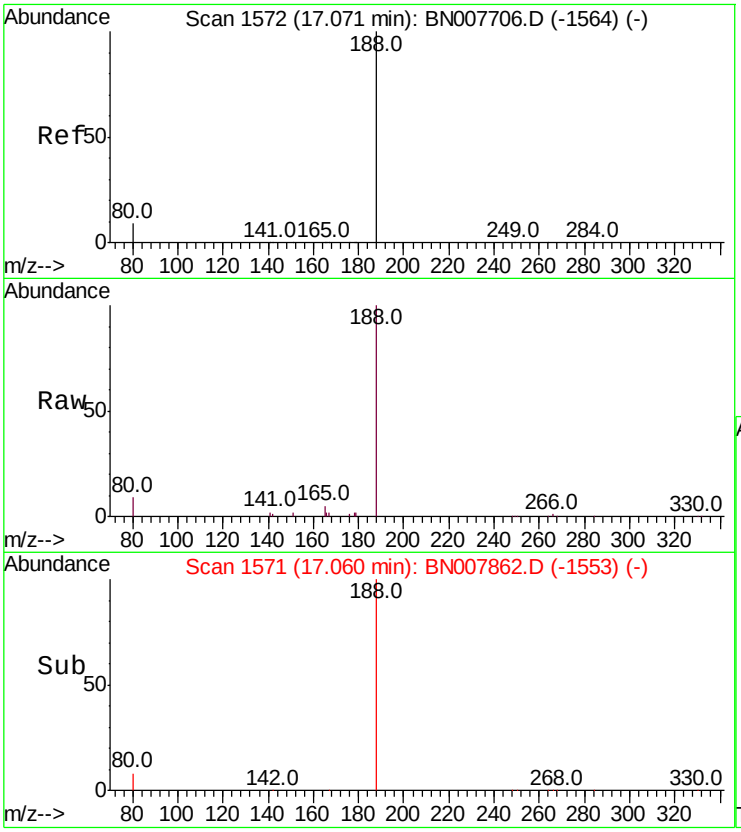


#18
Fluorene
Concen: 0.597 ng
RT: 15.36 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Tgt Ion:166 Resp: 52033

Ion	Ratio	Lower	Upper
166	100		
165	104.8	78.0	117.0
167	17.5	10.9	16.3#



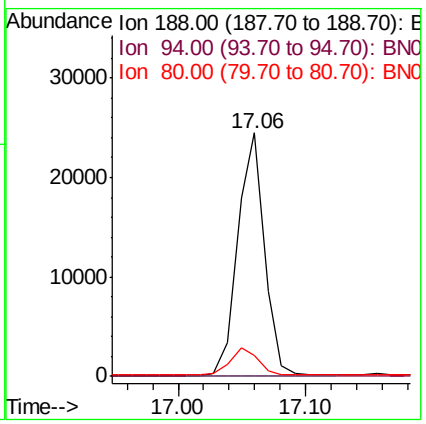


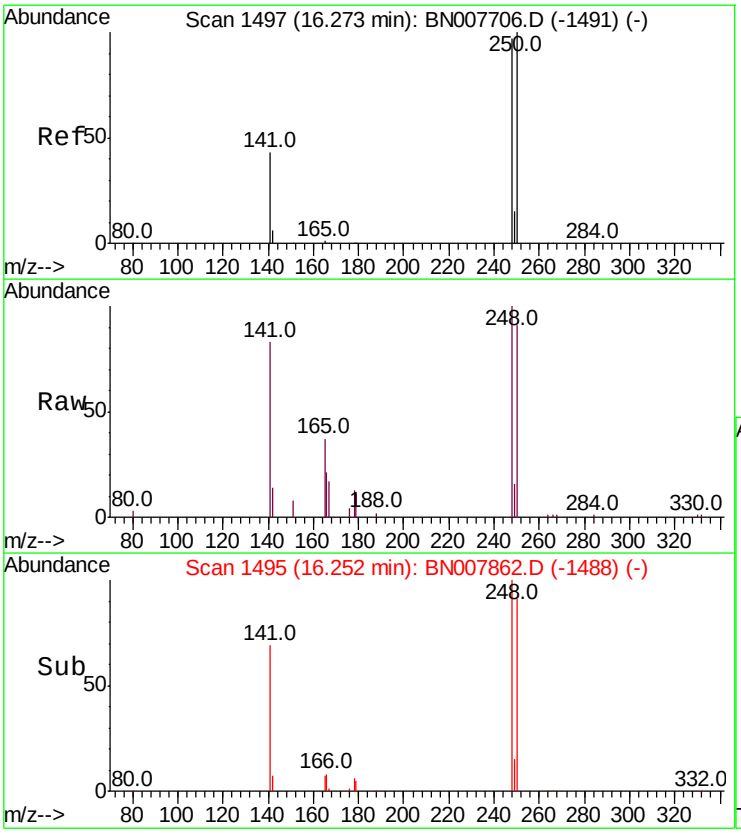
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MSD

Tgt Ion:188 Resp: 35416

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.6	7.4	11.2

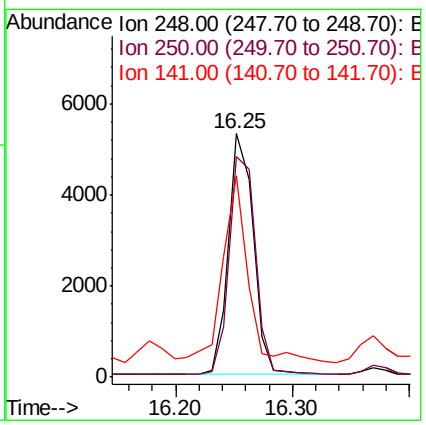


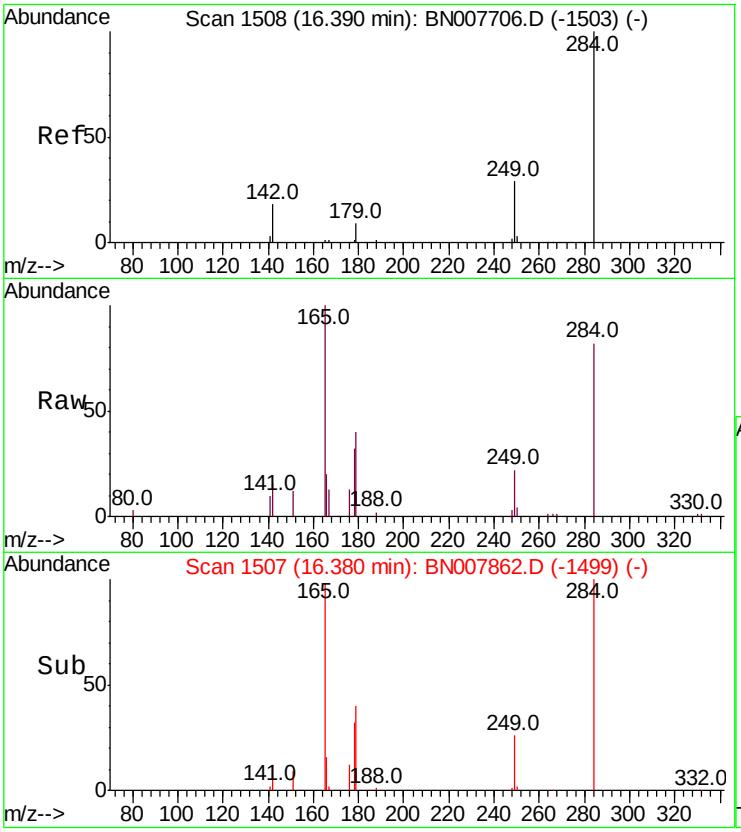


#20
4-Bromophenyl-phenylether
Concen: 0.361 ng
RT: 16.25 min Scan# 1495
Delta R.T. -0.02 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Tgt Ion:248 Resp: 7764

Ion	Ratio	Lower	Upper
248	100		
250	90.9	82.2	123.4
141	82.8	36.3	54.5#



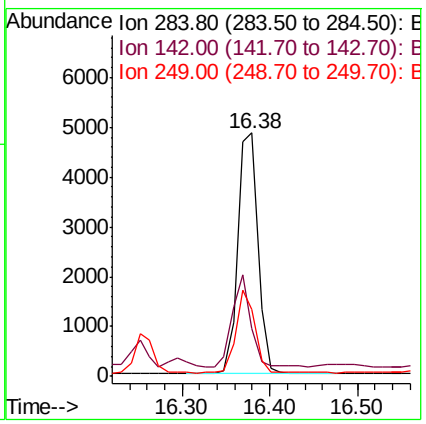


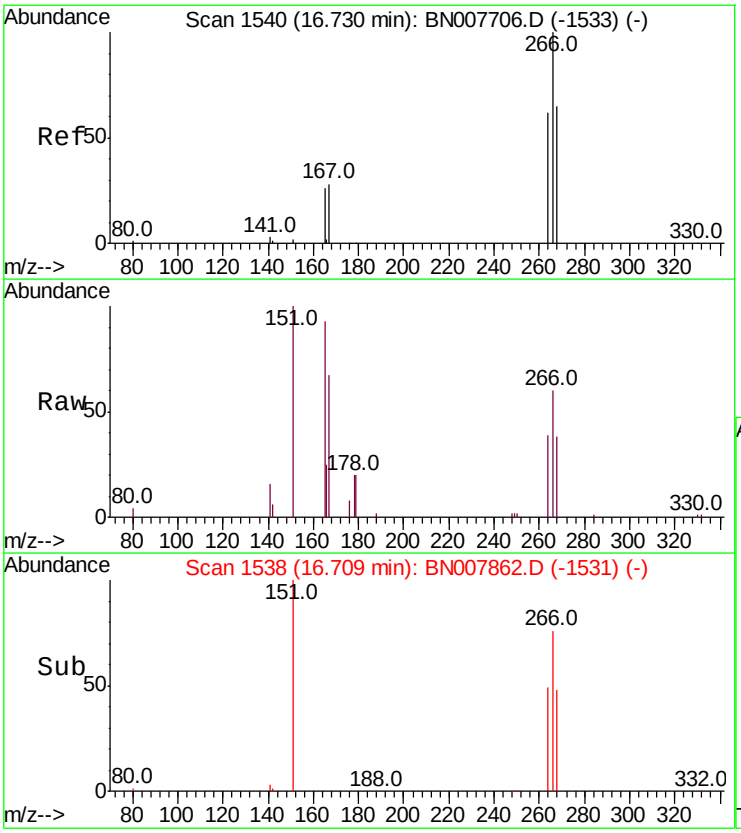
#21
Hexachlorobenzene
Concen: 0.327 ng
RT: 16.38 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MSD

Tgt Ion:284 Resp: 7679

Ion	Ratio	Lower	Upper
284	100		
142	35.1	25.8	38.6
249	31.7	25.9	38.9

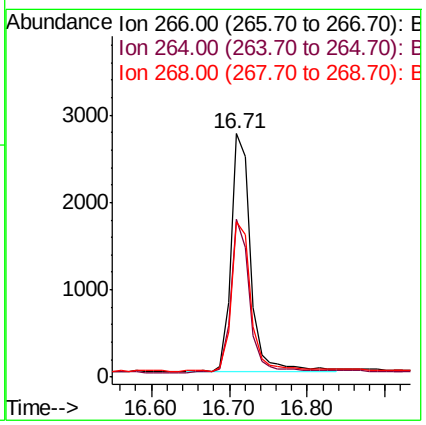


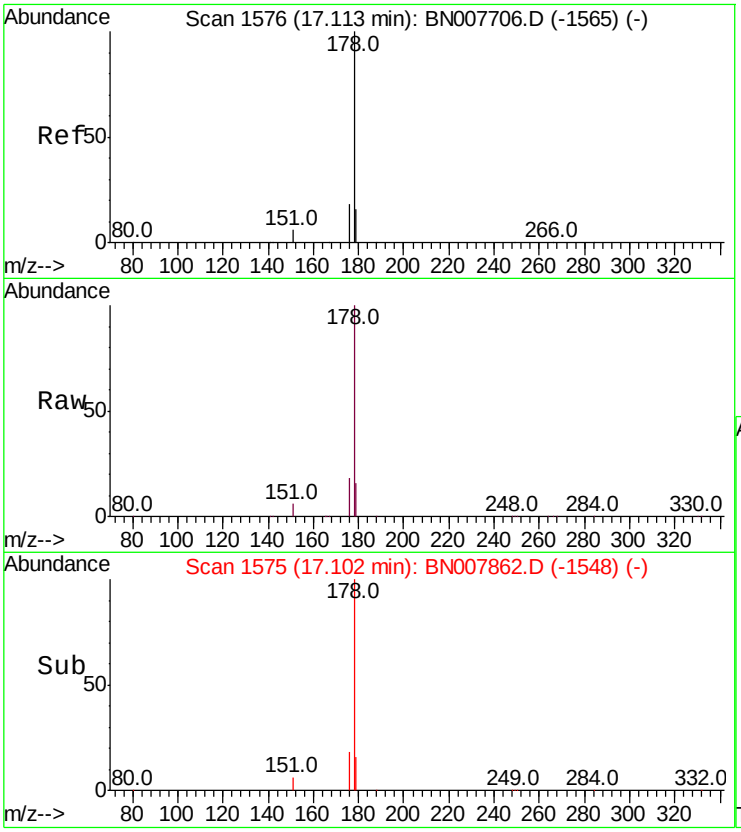


#22
Pentachlorophenol
Concen: 0.545 ng
RT: 16.71 min Scan# 1538
Delta R.T. -0.02 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Tgt Ion:266 Resp: 4720

Ion	Ratio	Lower	Upper
266	100		
264	64.8	50.0	75.0
268	64.0	54.2	81.4



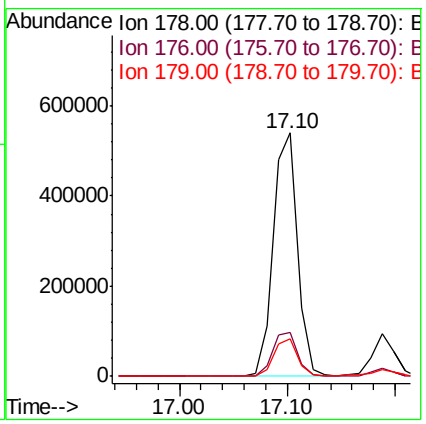


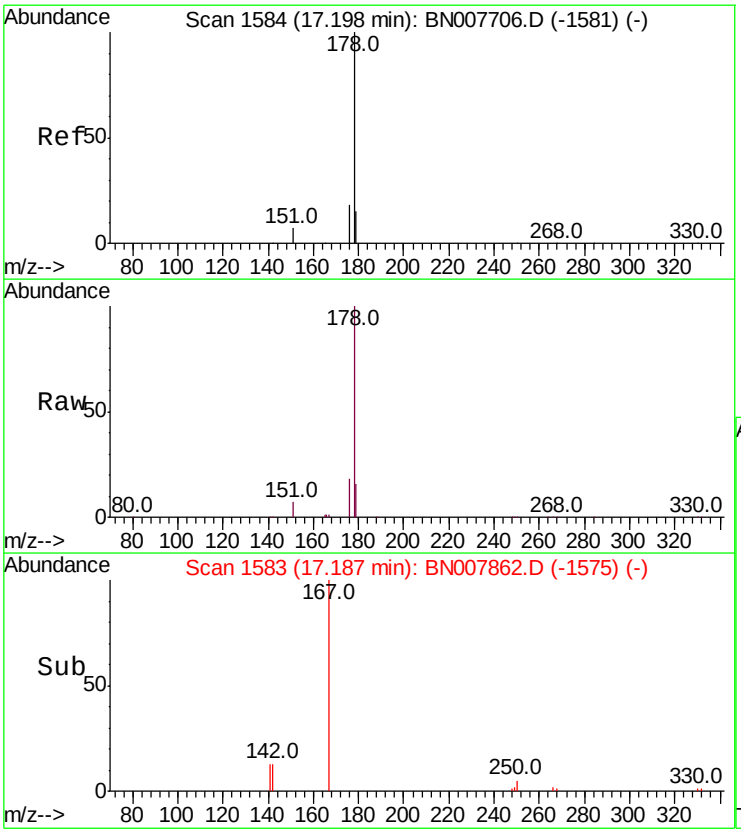
#23
Phenanthrene
Concen: 7.546 ng
RT: 17.10 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MSD

Tgt Ion:178 Resp: 832550

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.6	12.5	18.7

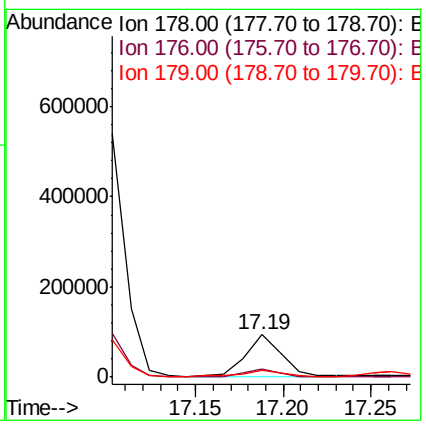


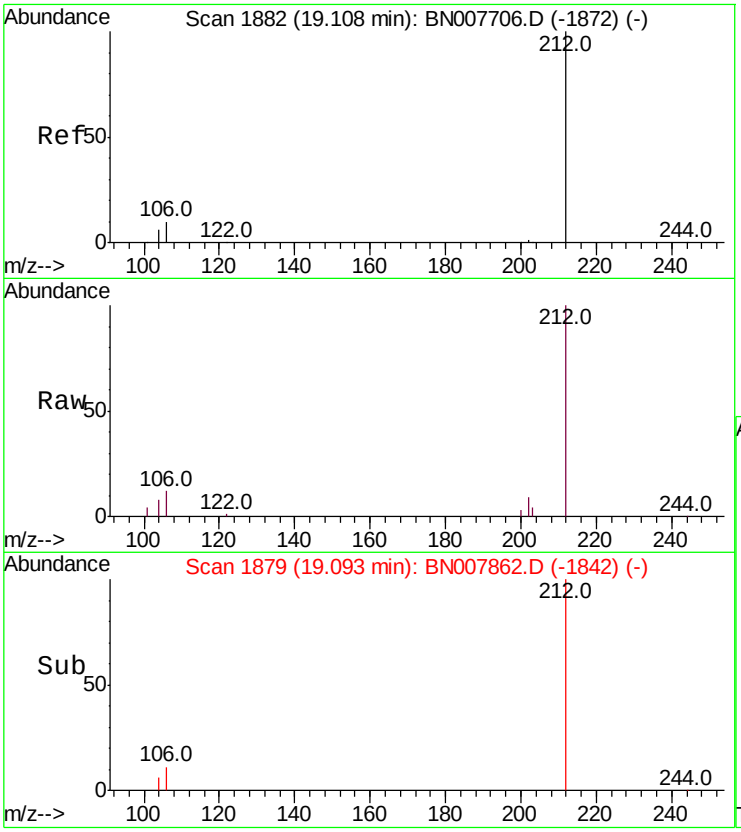


#24
Anthracene
Concen: 1.277 ng
RT: 17.19 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Tgt Ion:178 Resp: 127236

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	21.8
179	16.3	12.2	18.4



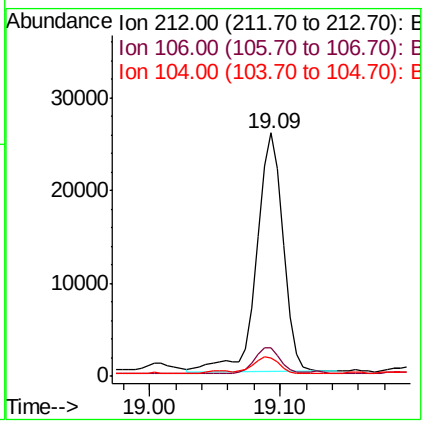


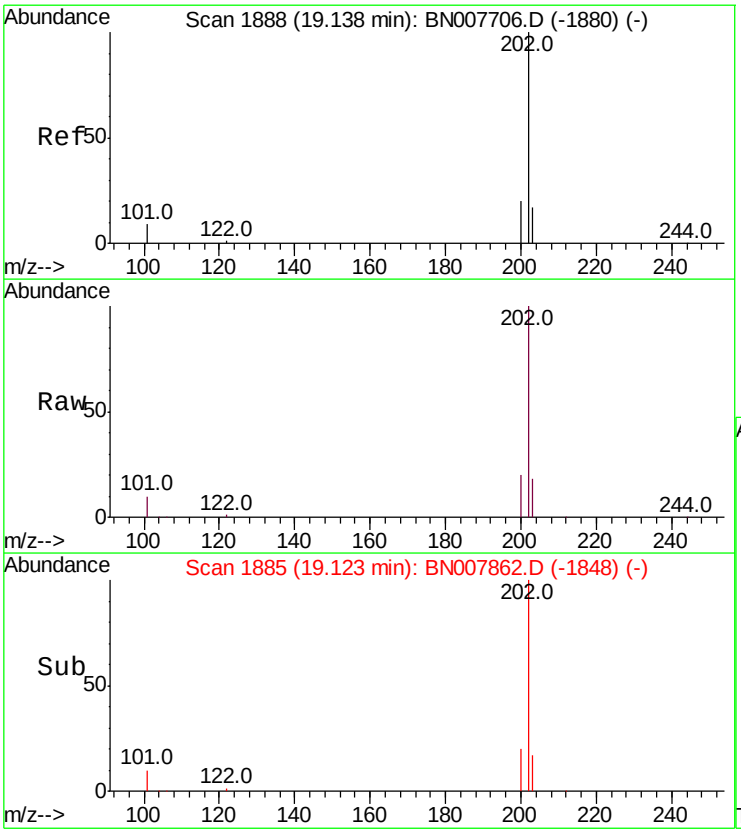
#25
Fluoranthene-d10
Concen: 0.306 ng
RT: 19.09 min Scan# 1879
Delta R.T. -0.01 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MSD

Tgt Ion:212 Resp: 36485

Ion	Ratio	Lower	Upper
212	100		
106	11.6	9.4	14.0
104	6.8	5.3	7.9

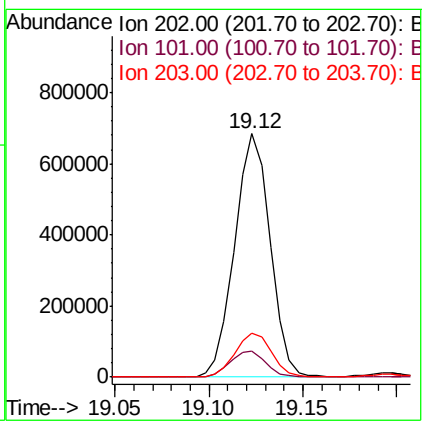


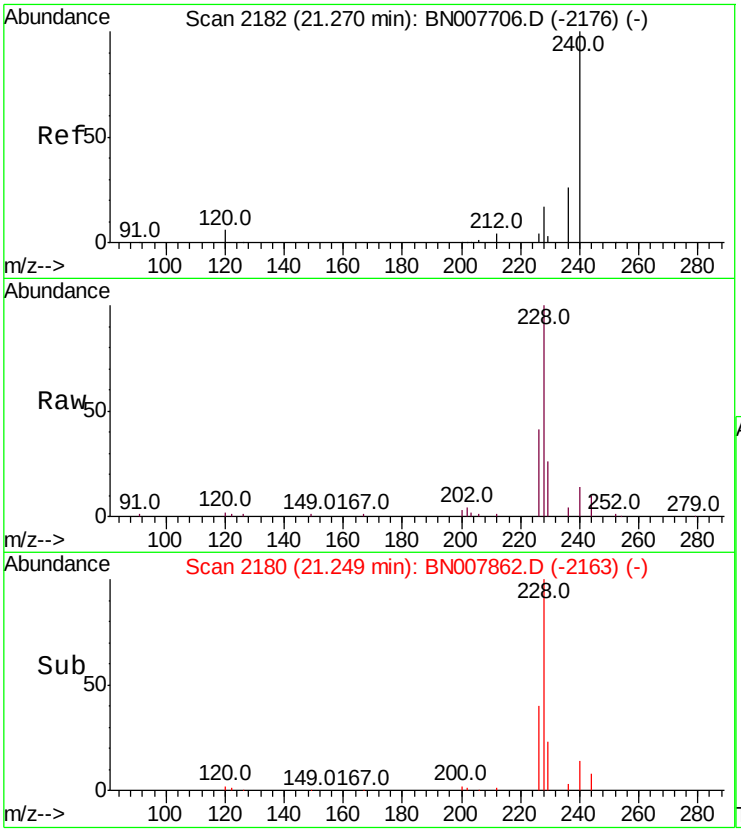


#26
Fluoranthene
Concen: 6.503 ng
RT: 19.12 min Scan# 1885
Delta R.T. -0.01 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Tgt Ion:202 Resp: 892180

Ion	Ratio	Lower	Upper
202	100		
101	10.7	8.4	12.6
203	18.2	13.8	20.8



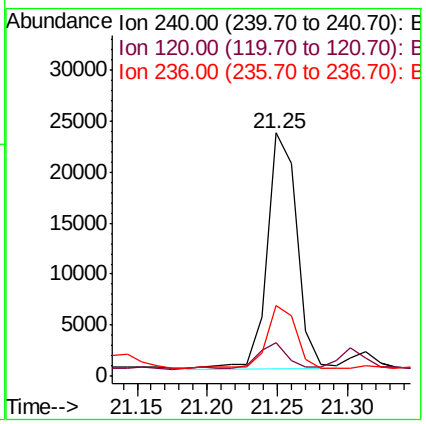


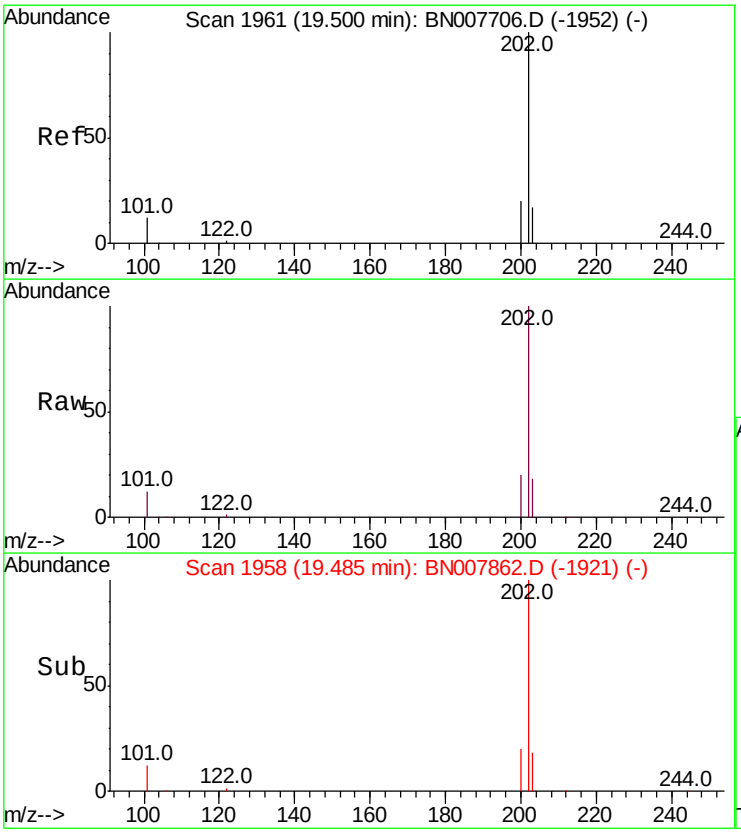
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2180
Delta R.T. -0.02 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MSD

Tgt Ion:240 Resp: 34451

Ion	Ratio	Lower	Upper
240	100		
120	13.9	5.4	8.2#
236	29.1	21.0	31.4

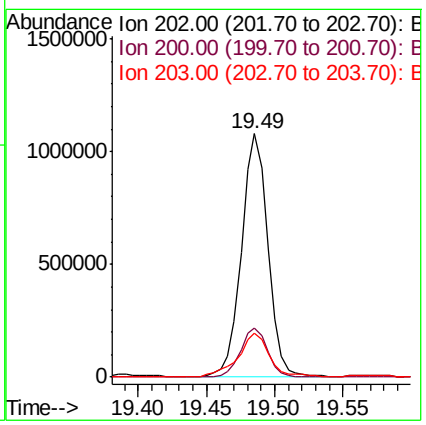


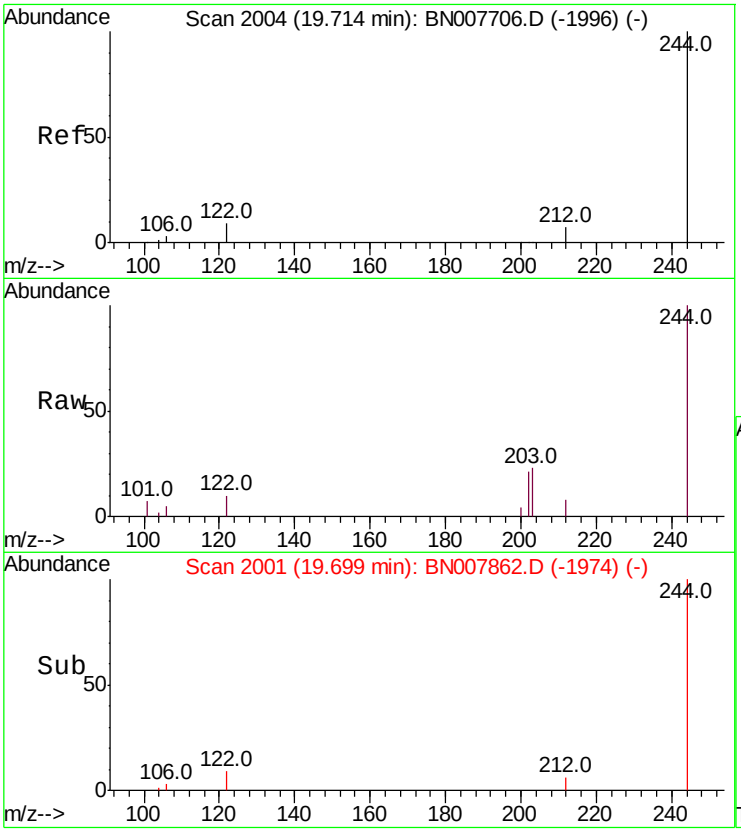


#28
Pyrene
Concen: 12.278 ng
RT: 19.49 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Tgt Ion:202 Resp: 1442593

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



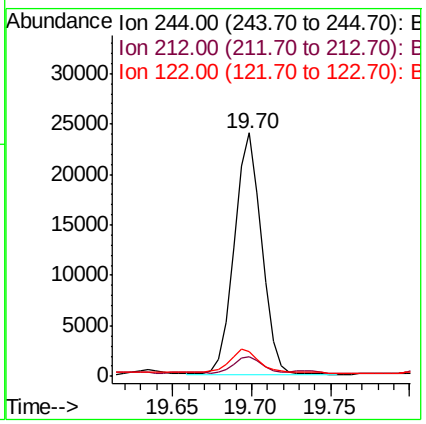


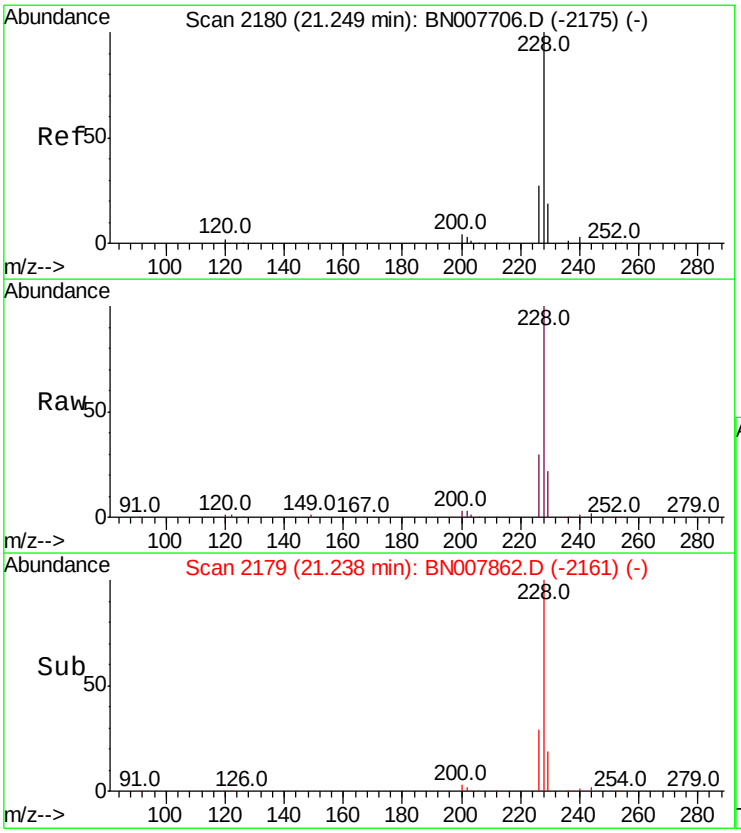
#29
Terphenyl-d14
Concen: 0.338 ng
RT: 19.70 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MSD

Tgt Ion:244 Resp: 28628

Ion	Ratio	Lower	Upper
244	100		
212	8.1	5.9	8.9
122	10.3	7.4	11.2

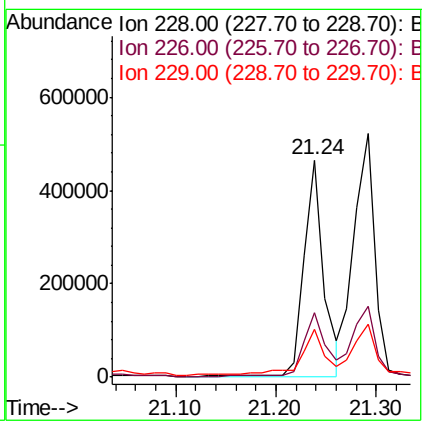


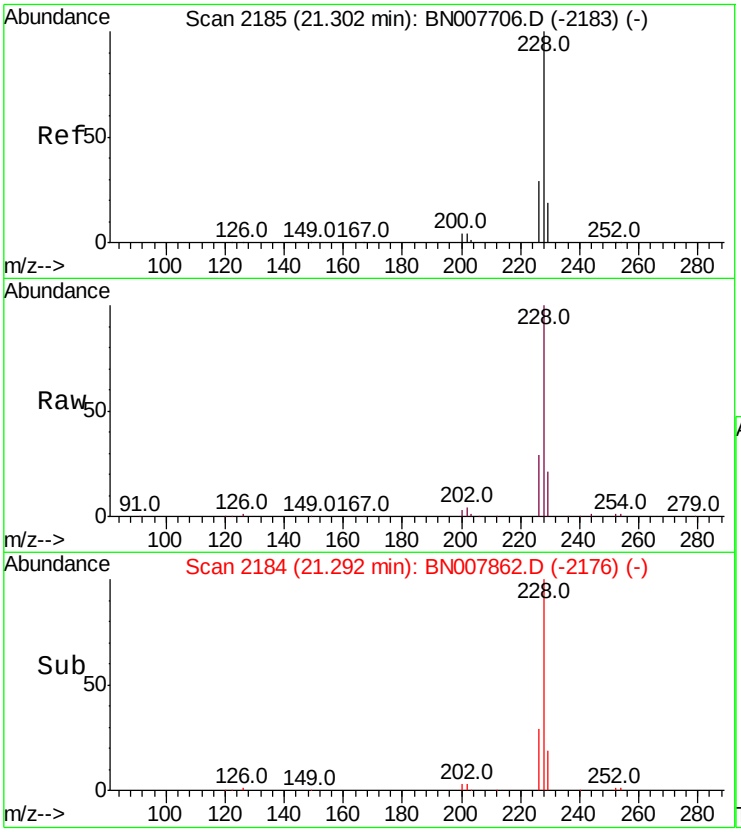


#30
Benzo(a)anthracene
Concen: 5.067 ng
RT: 21.24 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Tgt Ion:228 Resp: 642794

Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.1	33.1
229	22.1	15.8	23.6



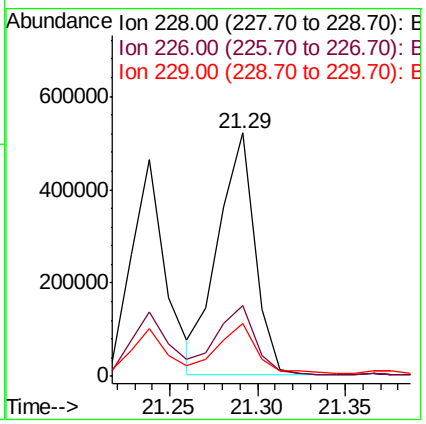


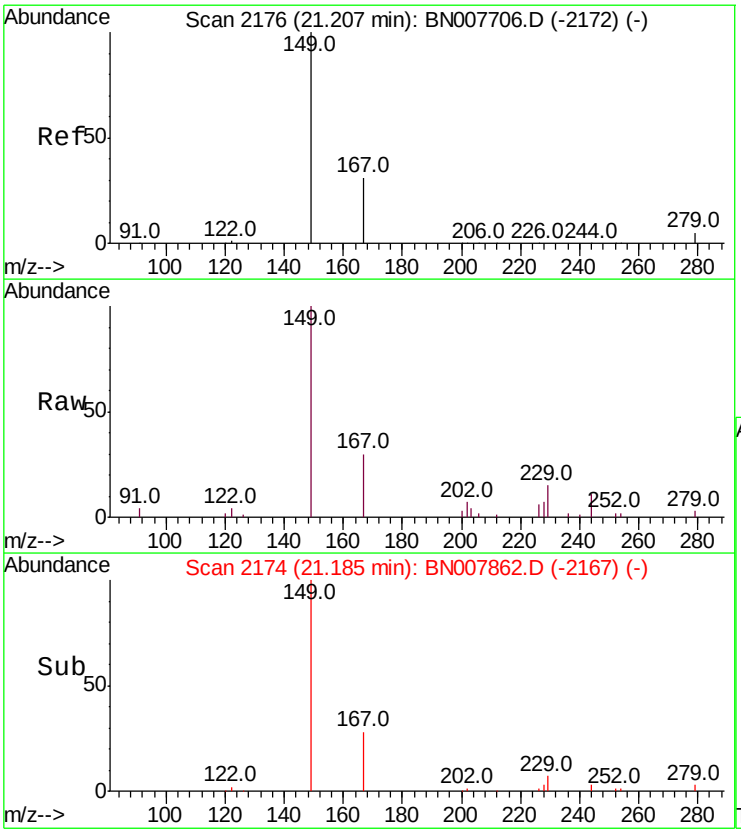
#31
Chrysene
Concen: 6.072 ng
RT: 21.29 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MSD

Tgt Ion:228 Resp: 750795

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.9	35.9
229	21.5	15.8	23.6

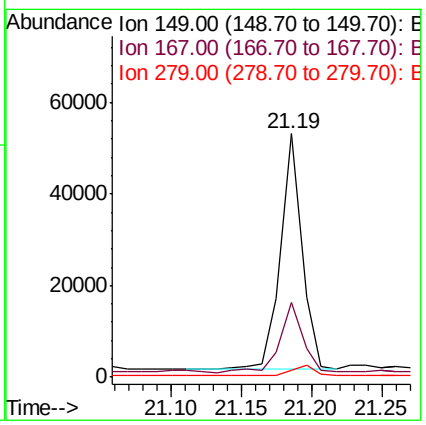


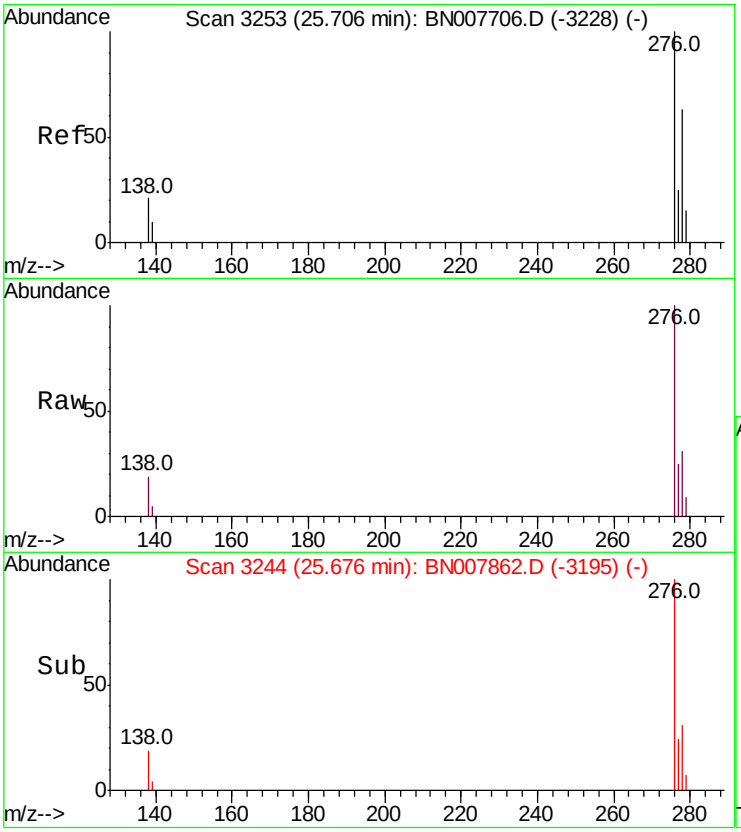


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.839 ng
RT: 21.19 min Scan# 2174
Delta R.T. -0.02 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Tgt Ion:149 Resp: 54747

Ion	Ratio	Lower	Upper
149	100		
167	31.8	23.7	35.5
279	5.2	4.2	6.2



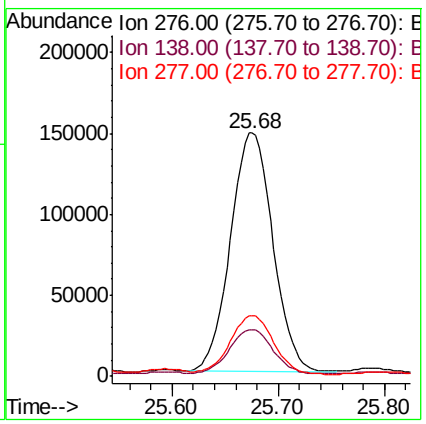


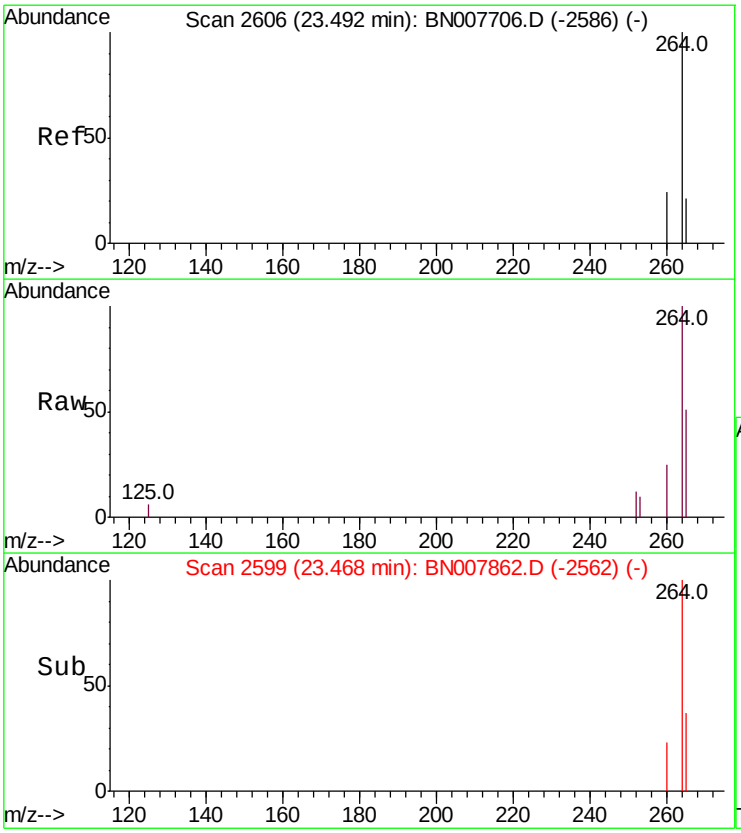
#33
Indeno(1,2,3-cd)pyrene
Concen: 2.656 ng
RT: 25.68 min Scan# 3244
Delta R.T. -0.03 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MSD

Tgt Ion:276 Resp: 411116

Ion	Ratio	Lower	Upper
276	100		
138	19.2	17.1	25.7
277	24.9	20.0	30.0

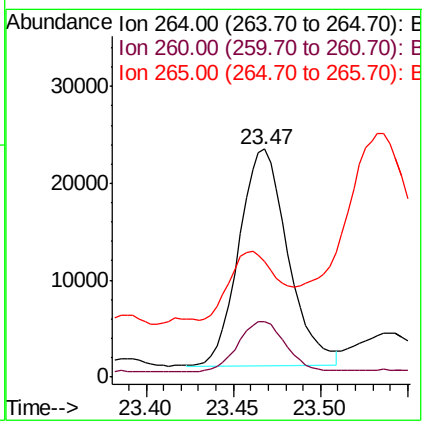


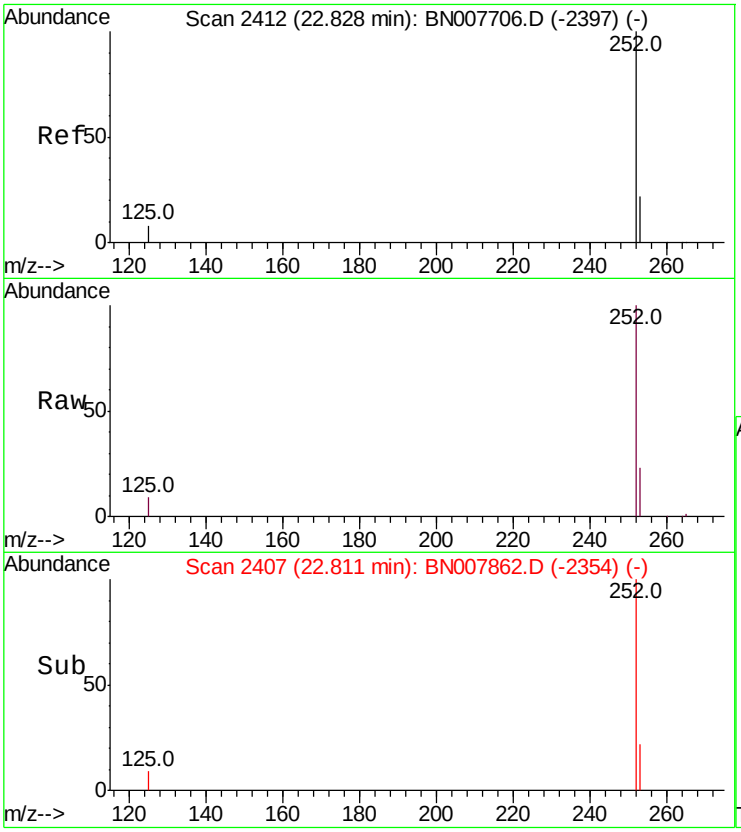


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.47 min Scan# 2599
Delta R.T. -0.02 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Tgt Ion:264 Resp: 44107

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.3	28.9
265	50.6	26.9	40.3#



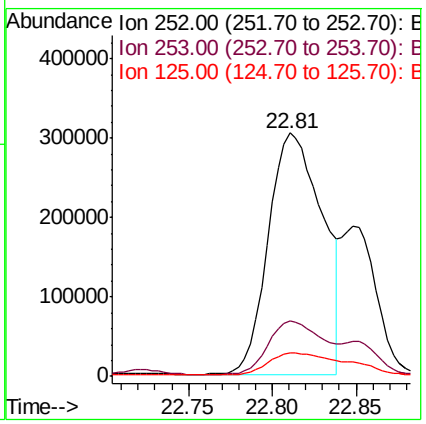


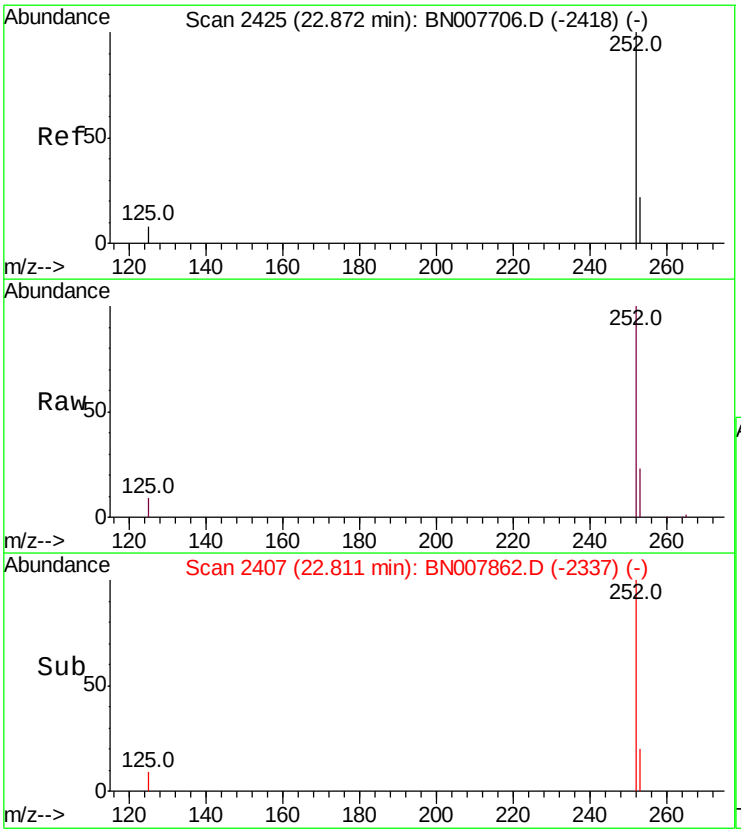
#35
Benzo(b)fluoranthene
Concen: 4.453 ng
RT: 22.81 min Scan# 2407
Delta R.T. -0.02 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MSD

Tgt Ion:252 Resp: 681793

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.3	27.5
125	9.4	8.2	12.4

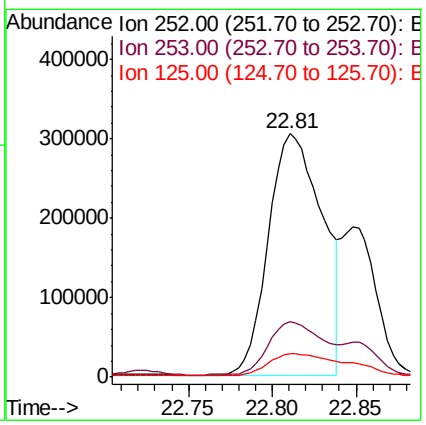


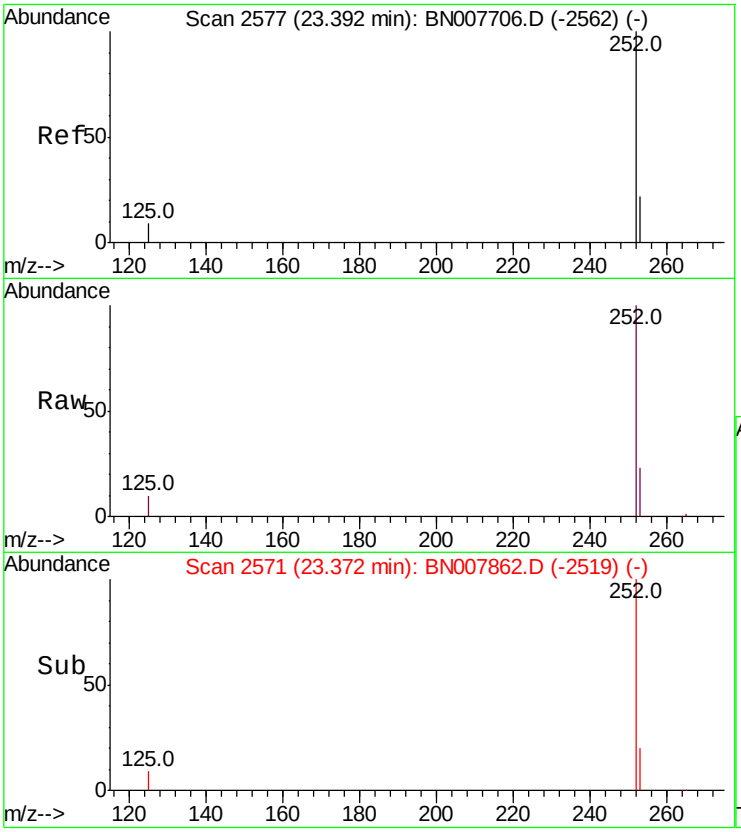


#36
Benzo(k)fluoranthene
Concen: 4.503 ng
RT: 22.81 min Scan# 2407
Delta R.T. -0.06 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Tgt Ion:252 Resp: 681793

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.5	27.7
125	9.4	8.4	12.6



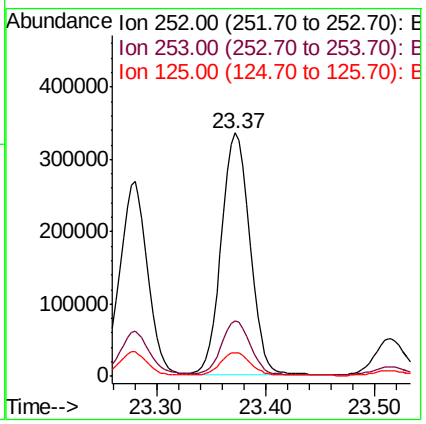


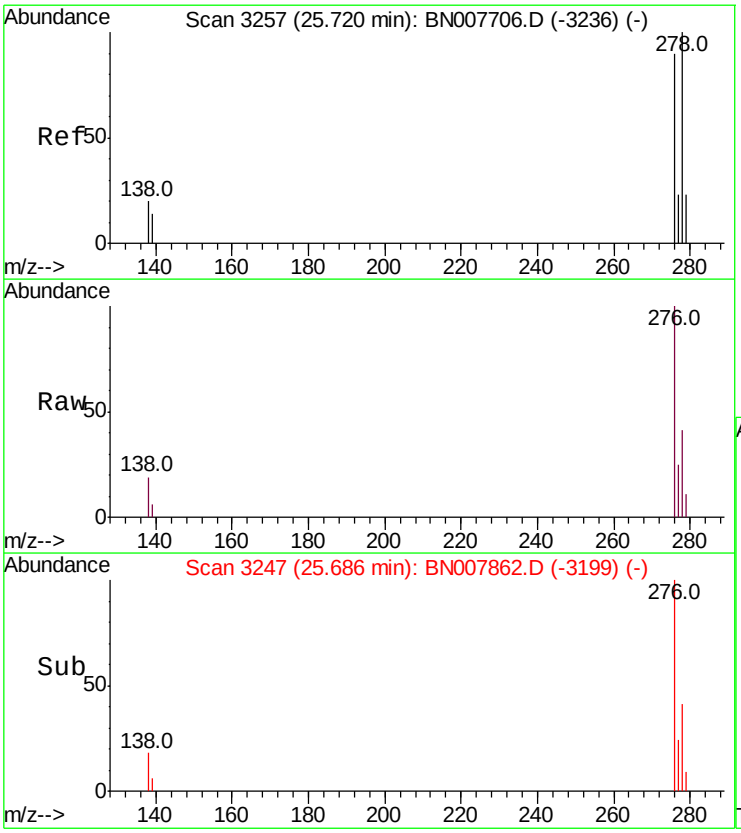
#37
Benzo(a)pyrene
Concen: 4.187 ng
RT: 23.37 min Scan# 2571
Delta R.T. -0.02 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MSD

Tgt Ion:252 Resp: 602541

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.6	27.8
125	9.8	9.4	14.0

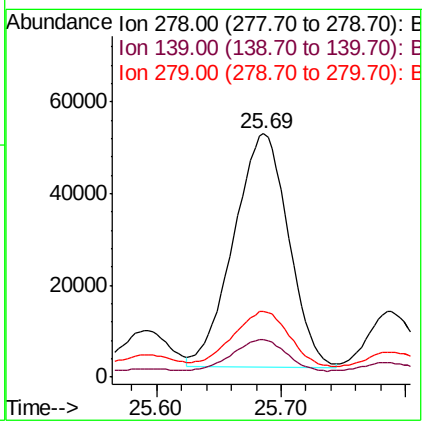


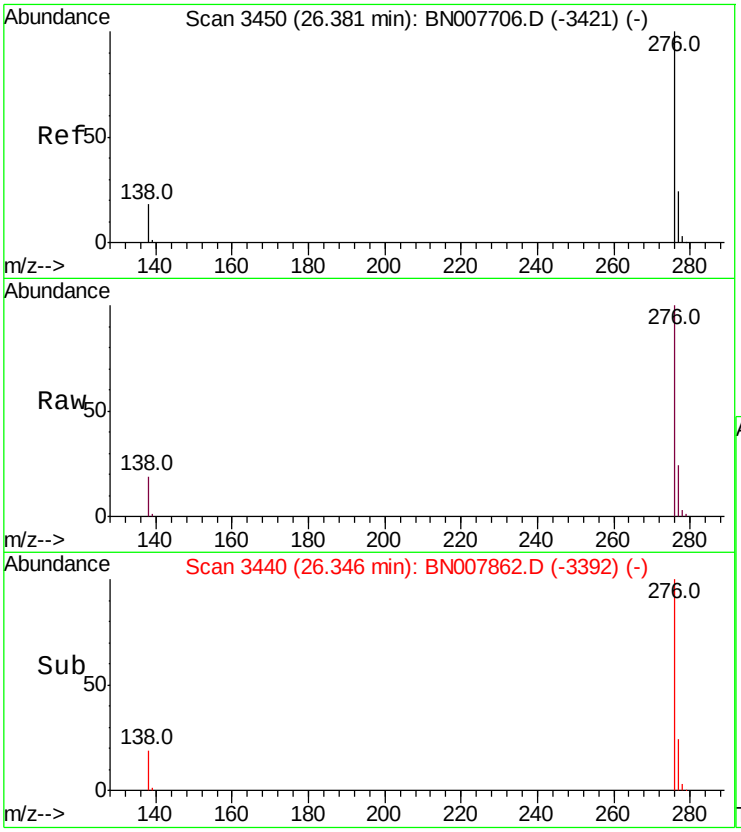


#38
Dibenzo(a,h)anthracene
Concen: 1.062 ng
RT: 25.69 min Scan# 3247
Delta R.T. -0.03 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Tgt Ion:278 Resp: 156386

Ion	Ratio	Lower	Upper
278	100		
139	15.6	11.8	17.6
279	27.2	19.4	29.2





#39
Benzo(g,h,i)perylene
Concen: 3.372 ng
RT: 26.35 min Scan# 3440
Delta R.T. -0.03 min
Lab File: BN007862.D
Acq: 25 Sep 2019 20:04

Instrument :
BNA_N
ClientSampleId :
PST-B231-091919-1MSD

Tgt Ion:276 Resp: 491254

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.8	29.8
138	19.0	15.1	22.7