Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121719\
Data File : BN009011.D
Acq On : 17 Dec 2019 11:53
Operator : JU
Sample : PB125417BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB125417BSD

Quant Time: Dec 17 16:09:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN120919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 09 17:02:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	2458	0.40	ng	-0.02
7) Naphthalene-d8	10.30	136	9650	0.40	ng	-0.01
13) Acenaphthene-d10	14.17	164	7280	0.40	ng	-0.01
19) Phenanthrene-d10	16.92	188	19109	0.40	ng	-0.01
27) Chrysene-d12	21.12	240	18167	0.40	ng	-0.01
34) Perylene-d12	23.27	264	15849	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.19	112	2362	0.38	ng	0.00
5) Phenol-d6	6.74	99	3476	0.40	ng	0.00
8) Nitrobenzene-d5	8.68	82	2800	0.34	ng	-0.01
11) 2-Methylnaphthalene-d10	11.90	152	6435	0.39	ng	-0.01
14) 2,4,6-Tribromophenol	15.67	330	1355	0.39	ng	-0.01
15) 2-Fluorobiphenyl	12.79	172	9192	0.33	ng	-0.02
25) Fluoranthene-d10	18.96	212	21442	0.37	ng	0.00
29) Terphenyl-d14	19.57	244	15905	0.38	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.18	88	592	0.257	ng	# 73
3) n-Nitrosodimethylamine	3.50	42	942	0.296	ng	# 90
6) bis(2-Chloroethyl)ether	6.99	93	2664	0.327	ng	100
9) Naphthalene	10.35	128	9434	0.358	ng	100
10) Hexachlorobutadiene	10.65	225	1643	0.326	ng	# 99
12) 2-Methylnaphthalene	11.97	142	7232	0.369	ng	99
16) Acenaphthylene	13.89	152	12007	0.361	ng	100
17) Acenaphthene	14.24	154	7801	0.353	ng	100
18) Fluorene	15.23	166	11365	0.382	ng	100
20) 4-Bromophenyl-phenylether	16.12	248	3736	0.327	ng	98
21) Hexachlorobenzene	16.24	284	4202	0.323	ng	99
22) Pentachlorophenol	16.58	266	2991	0.637	ng	97
23) Phenanthrene	16.96	178	20735	0.345	ng	100
24) Anthracene	17.05	178	18716	0.353	ng	100
26) Fluoranthene	18.99	202	25488	0.356	ng	100
28) Pyrene	19.35	202	25779	0.405	ng	99
30) Benzo(a)anthracene	21.11	228	23868	0.371	ng	99
31) Chrysene	21.16	228	24821	0.372	ng	98
32) Bis(2-ethylhexyl)phthalate	21.07	149	11206	0.372	ng	100
33) Indeno(1,2,3-cd)pyrene	25.38	276	20536	0.291	ng	99
35) Benzo(b)fluoranthene	22.64	252	22350	0.394	ng	99
36) Benzo(k)fluoranthene	22.68	252	21912	0.384	ng	98
37) Benzo(a)pyrene	23.18	252	19422	0.381	ng	98
38) Dibenzo(a,h)anthracene	25.39	278	16941	0.354	ng	99
39) Benzo(g,h,i)perylene	26.01	276	17459	0.370	ng	100

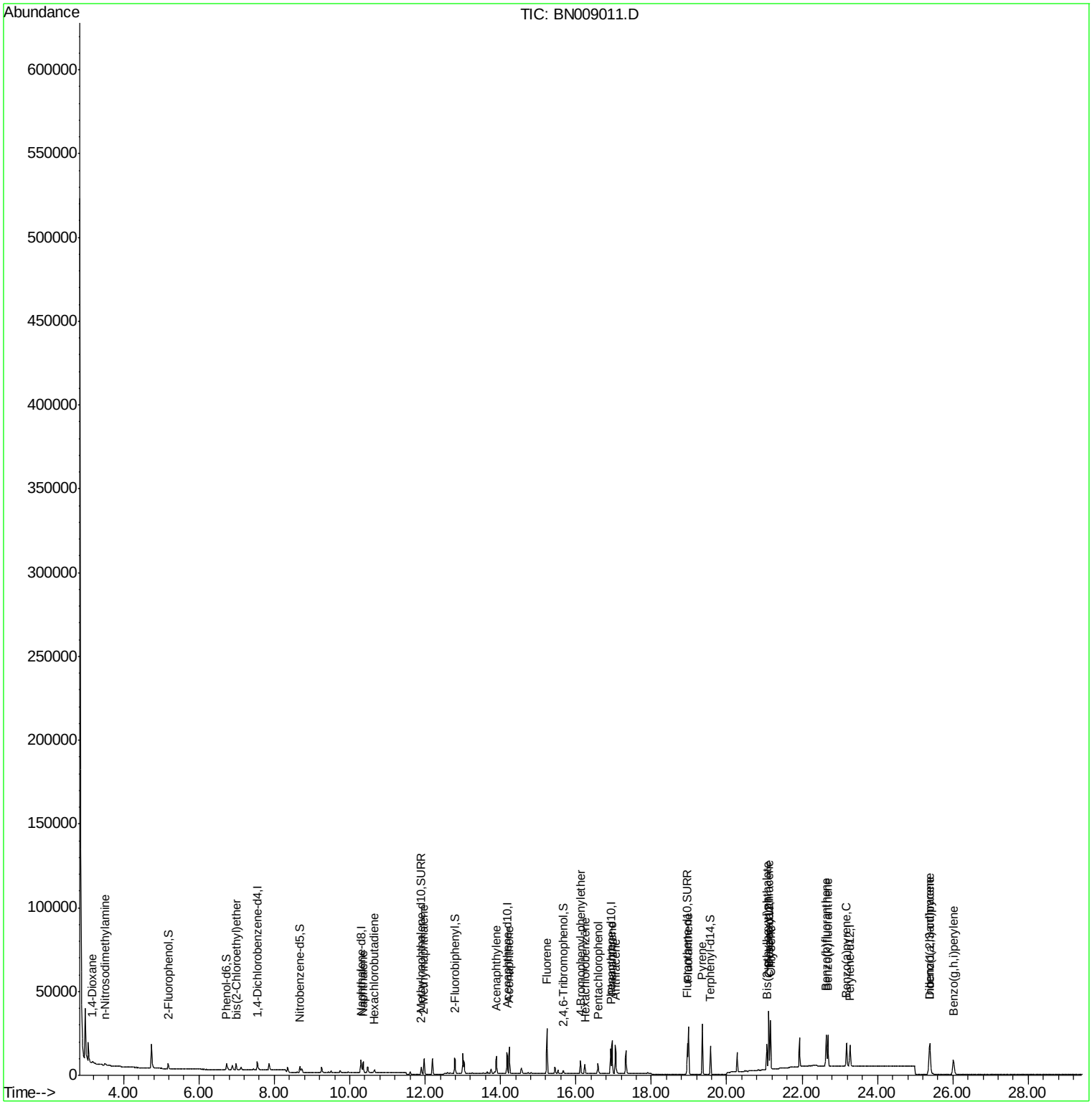
(#) = qualifier out of range (m) = manual integration (+) = signals summed

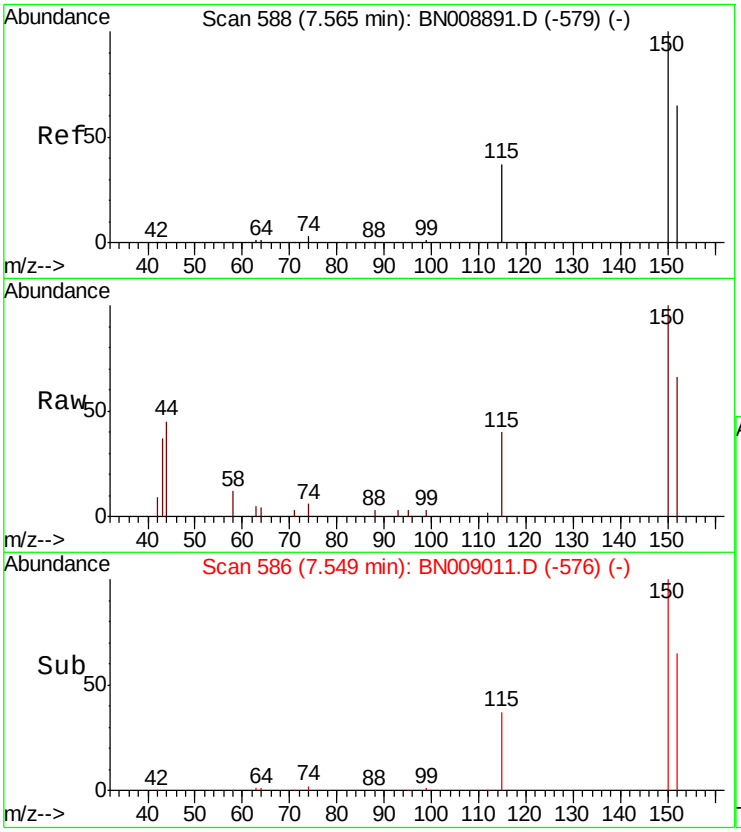
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121719\
Data File : BN009011.D
Acq On : 17 Dec 2019 11:53
Operator : JU
Sample : PB125417BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB125417BSD

Quant Time: Dec 17 16:09:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN120919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 09 17:02:53 2019
Response via : Initial Calibration



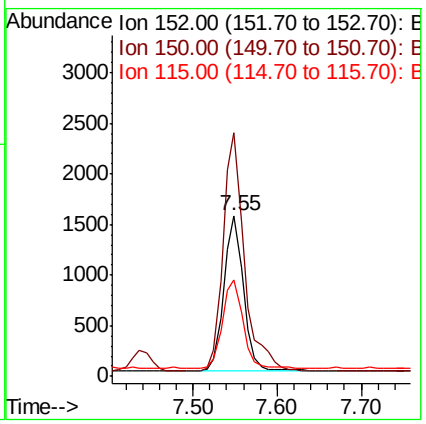


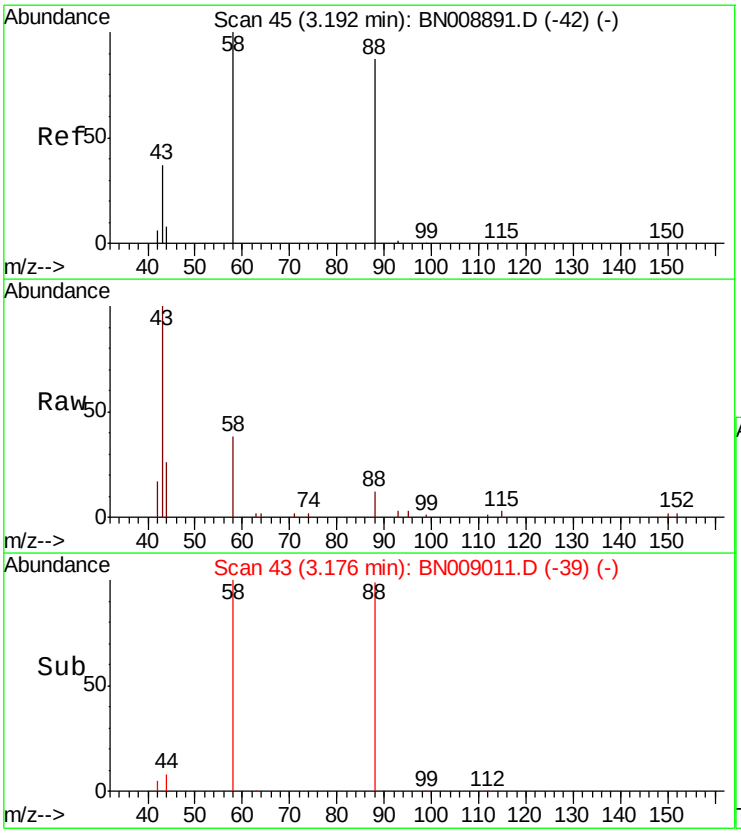
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.55 min Scan# 586
Delta R.T. -0.02 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Instrument :
BNA_N
ClientSampleId :
PB125417BSD

Tgt Ion:152 Resp: 2458

Ion	Ratio	Lower	Upper
152	100		
150	151.8	122.3	183.5
115	60.5	48.4	72.6

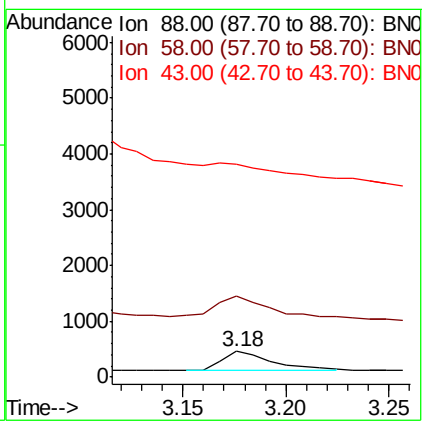


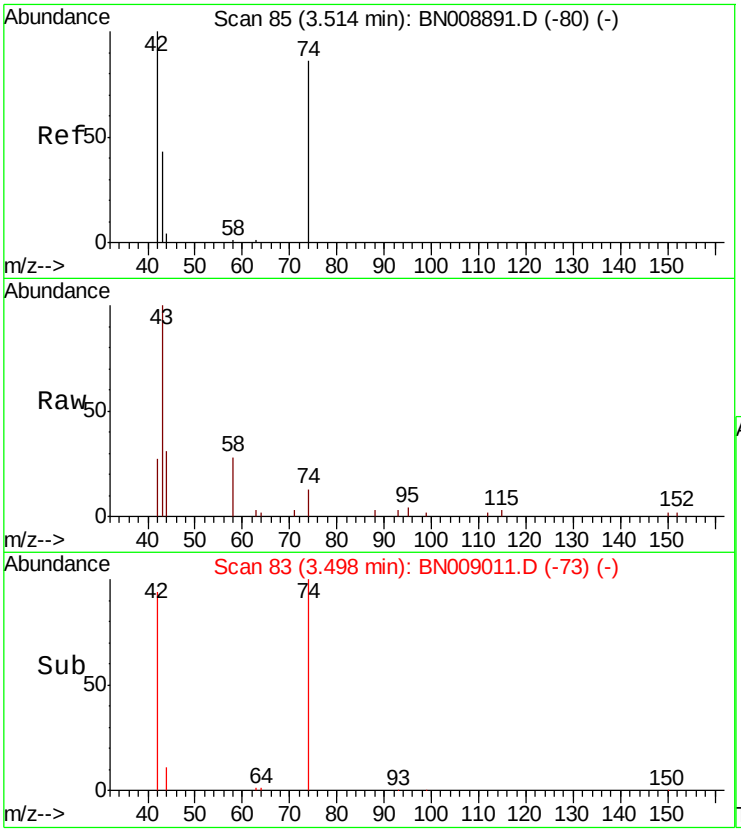


#2
1,4-Dioxane
Concen: 0.257 ng
RT: 3.18 min Scan# 43
Delta R.T. -0.02 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Tgt Ion: 88 Resp: 592

Ion	Ratio	Lower	Upper
88	100		
58	96.8	88.6	132.8
43	0.0	31.8	47.8#



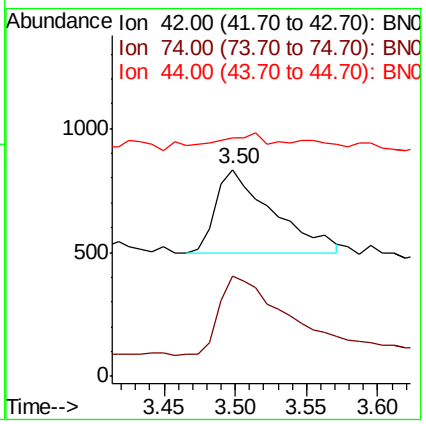


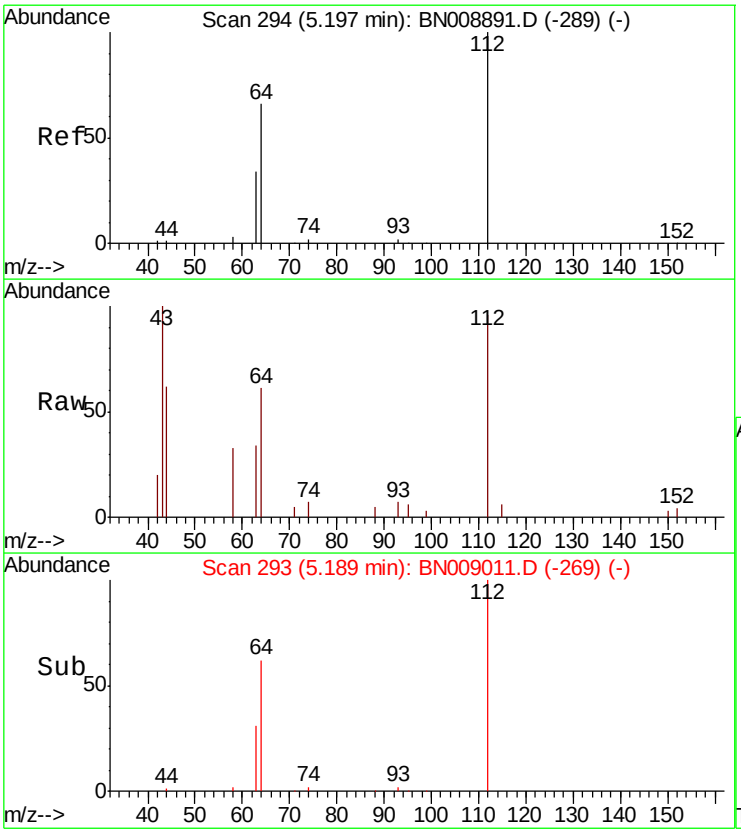
#3
n-Nitrosodimethylamine
Concen: 0.296 ng
RT: 3.50 min Scan# 83
Delta R.T. -0.02 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Instrument :
BNA_N
ClientSampleId :
PB125417BSD

Tgt Ion: 42 Resp: 942

Ion	Ratio	Lower	Upper
42	100		
74	108.4	78.6	117.8
44	22.8	0.0	0.0#

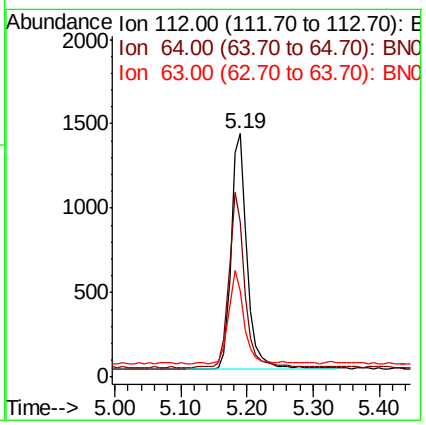


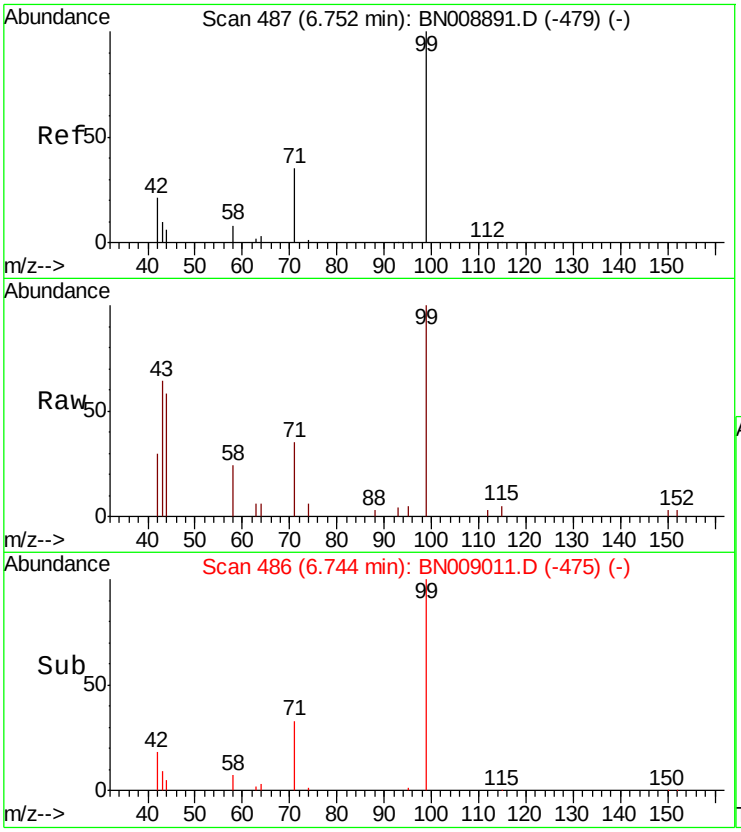


#4
2-Fluorophenol
Concen: 0.378 ng
RT: 5.19 min Scan# 293
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Tgt Ion:112 Resp: 2362

Ion	Ratio	Lower	Upper
112	100		
64	71.8	57.7	86.5
63	38.4	29.6	44.4



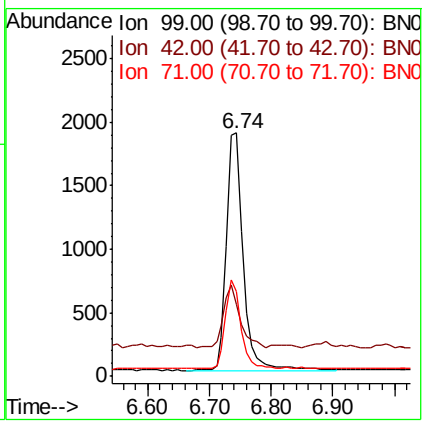


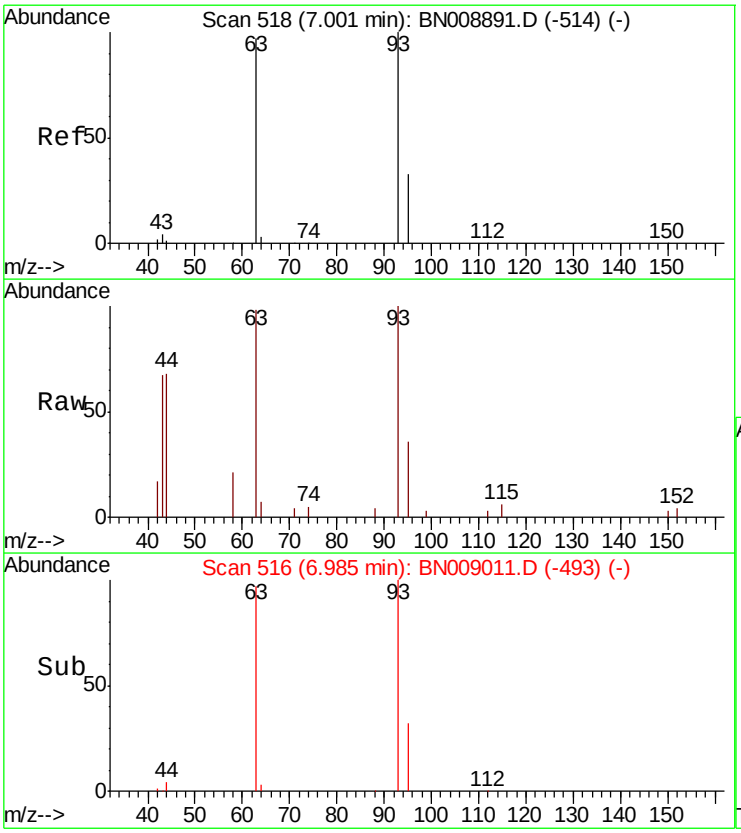
#5
Phenol-d6
Concen: 0.402 ng
RT: 6.74 min Scan# 486
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Instrument :
BNA_N
ClientSampleId :
PB125417BSD

Tgt Ion: 99 Resp: 3476

Ion	Ratio	Lower	Upper
99	100		
42	26.1	20.1	30.1
71	34.9	28.2	42.2

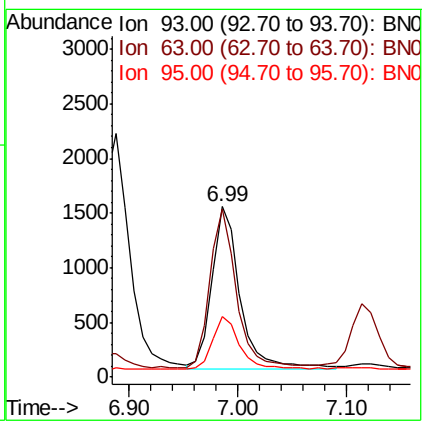


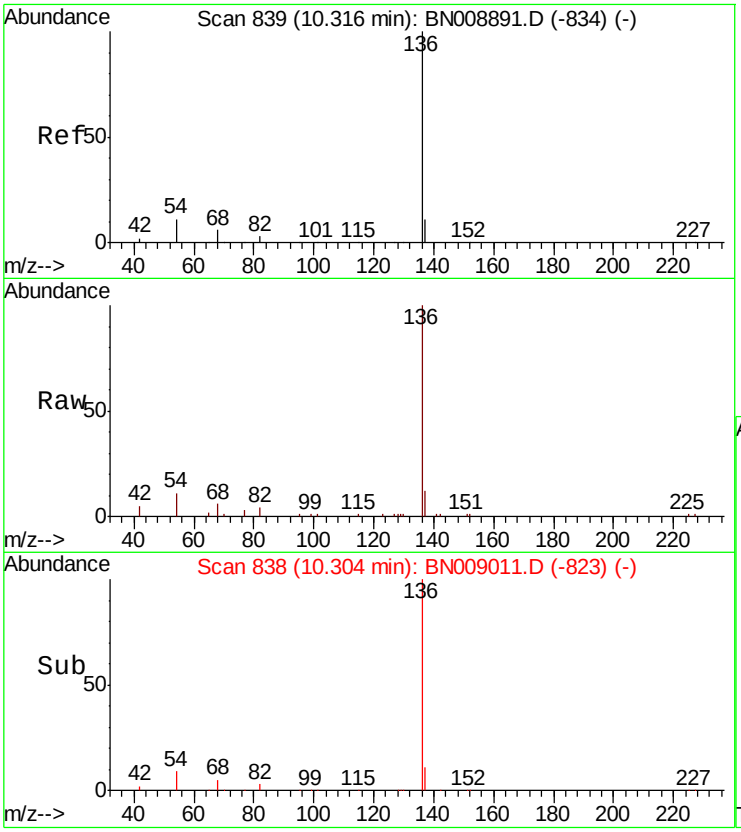


#6
bis(2-Chloroethyl)ether
Concen: 0.327 ng
RT: 6.99 min Scan# 516
Delta R.T. -0.02 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Tgt Ion: 93 Resp: 2664

Ion	Ratio	Lower	Upper
93	100		
63	92.0	73.5	110.3
95	32.2	26.0	39.0



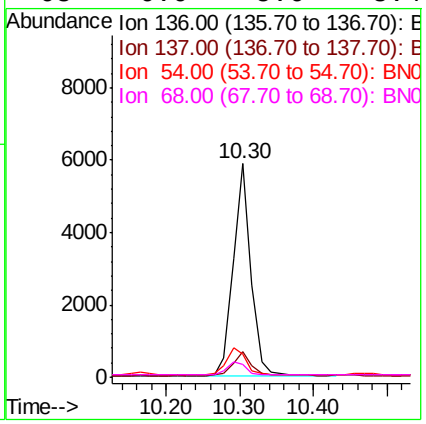


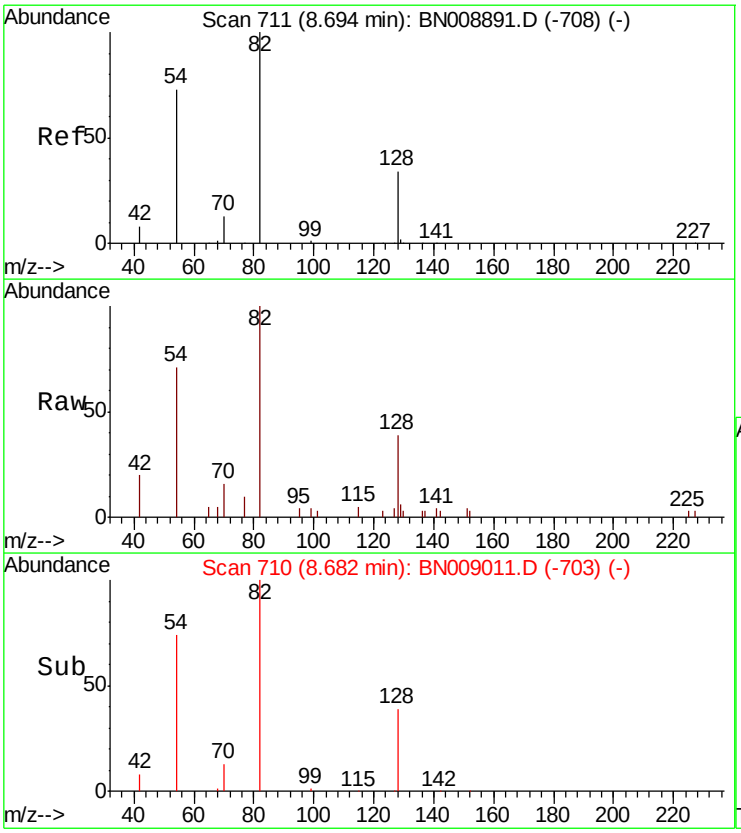
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.30 min Scan# 838
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Instrument :
BNA_N
ClientSampleId :
PB125417BSD

Tgt Ion:136 Resp: 9650

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.2	13.8
54	10.6	9.6	14.4
68	6.0	5.6	8.4

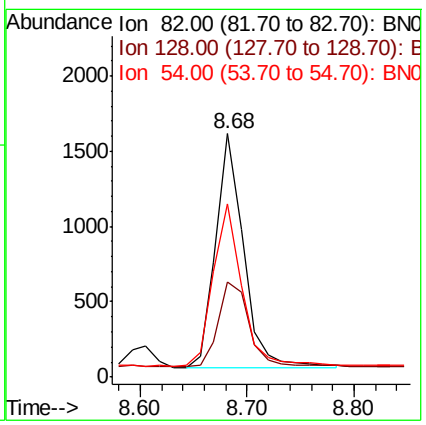


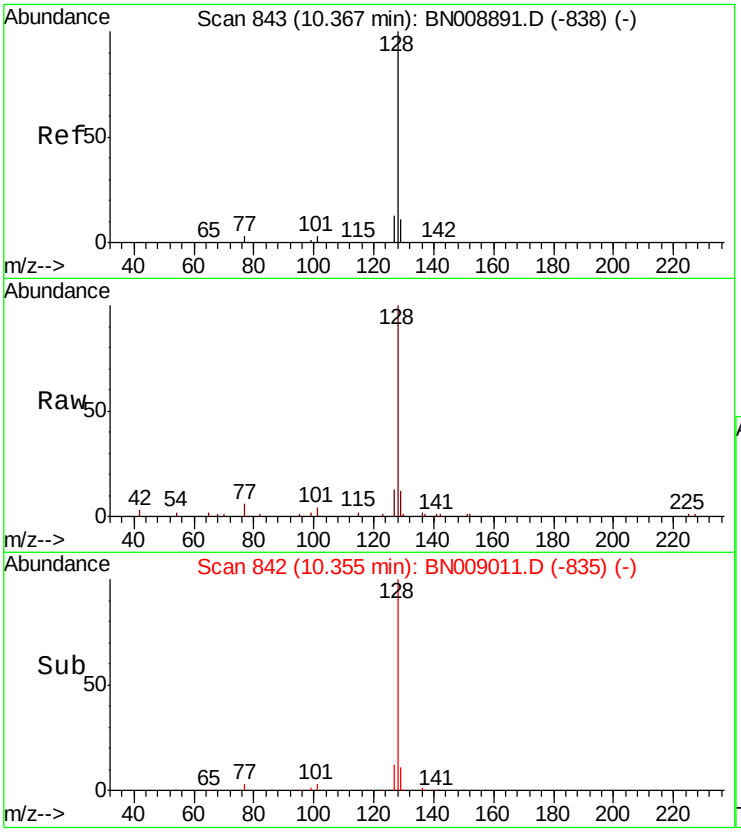


#8
Nitrobenzene-d5
Concen: 0.342 ng
RT: 8.68 min Scan# 710
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Tgt Ion: 82 Resp: 2800

Ion	Ratio	Lower	Upper
82	100		
128	39.2	29.1	43.7
54	71.0	59.7	89.5



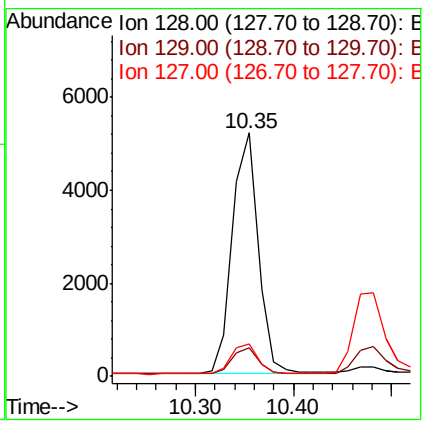


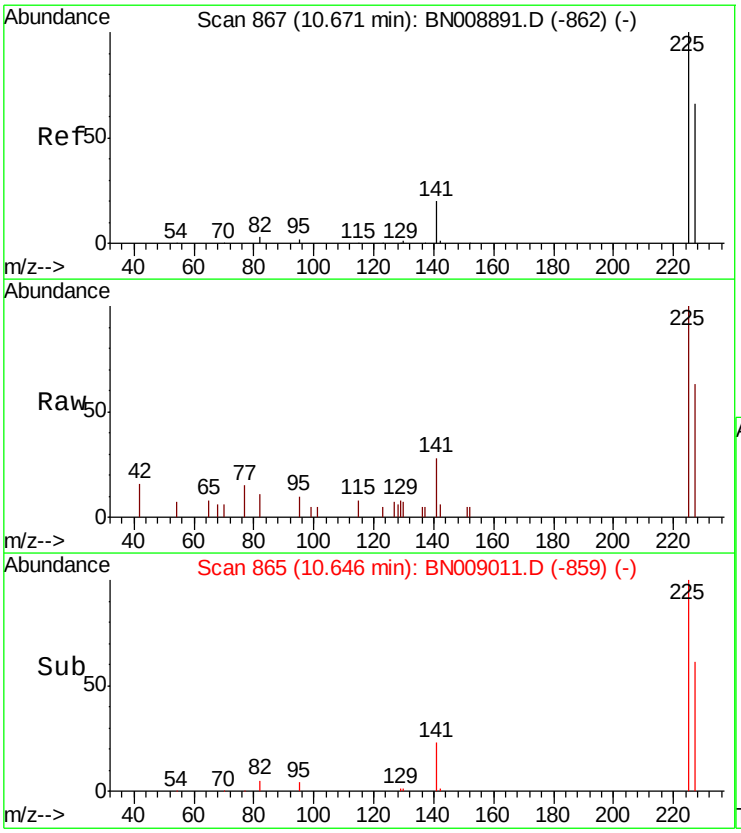
#9
Naphthalene
Concen: 0.358 ng
RT: 10.35 min Scan# 842
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Instrument :
BNA_N
ClientSampleId :
PB125417BSD

Tgt Ion:128 Resp: 9434

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.4	14.0
127	13.3	10.8	16.2

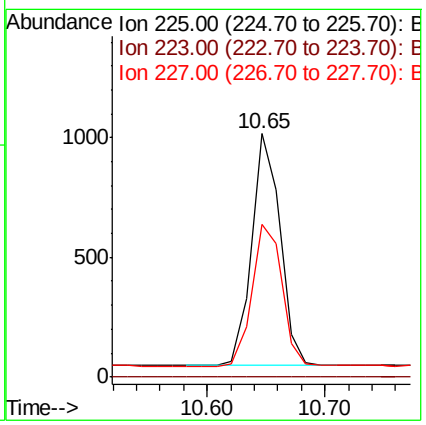


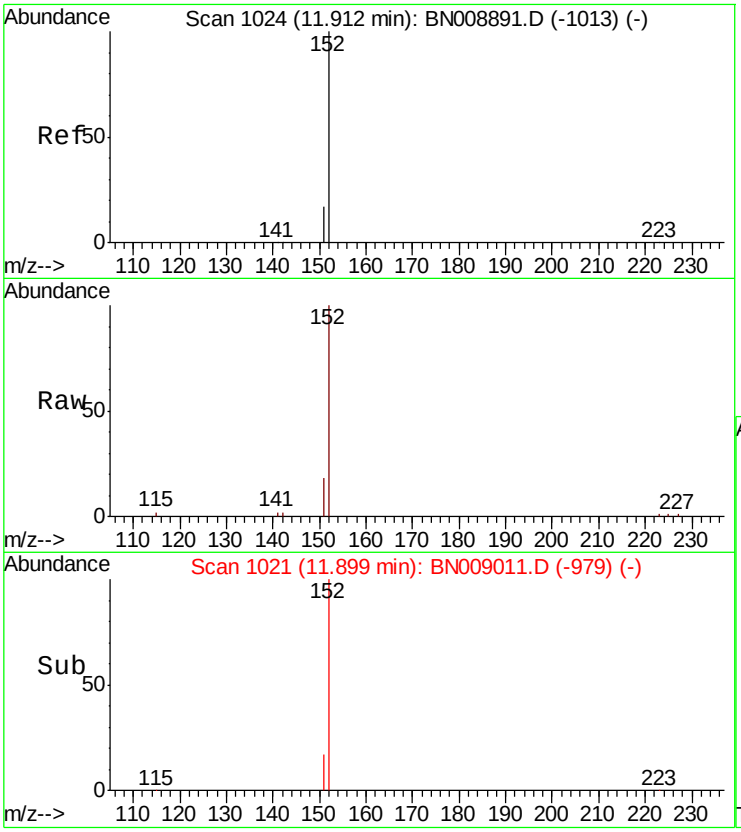


#10
Hexachlorobutadiene
Concen: 0.326 ng
RT: 10.65 min Scan# 865
Delta R.T. -0.03 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Tgt Ion:225 Resp: 1643

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	51.4	77.2



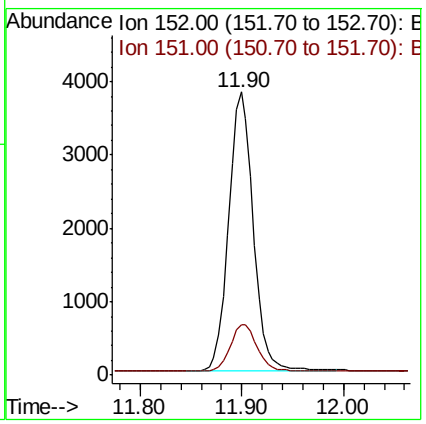


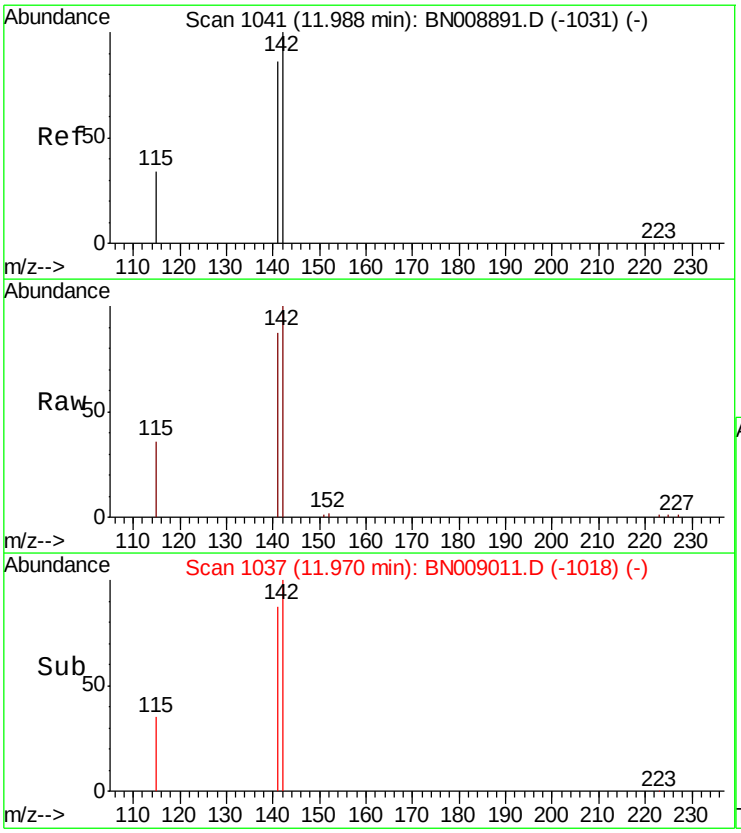
#11
2-Methylnaphthalene-d10
Concen: 0.390 ng
RT: 11.90 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Instrument :
BNA_N
ClientSampleId :
PB125417BSD

Tgt Ion:152 Resp: 6435

Ion	Ratio	Lower	Upper
152	100		
151	18.3	15.2	22.8

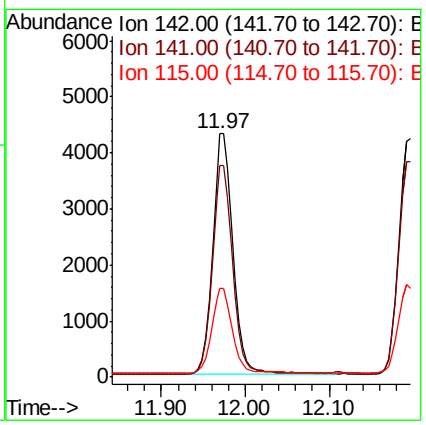


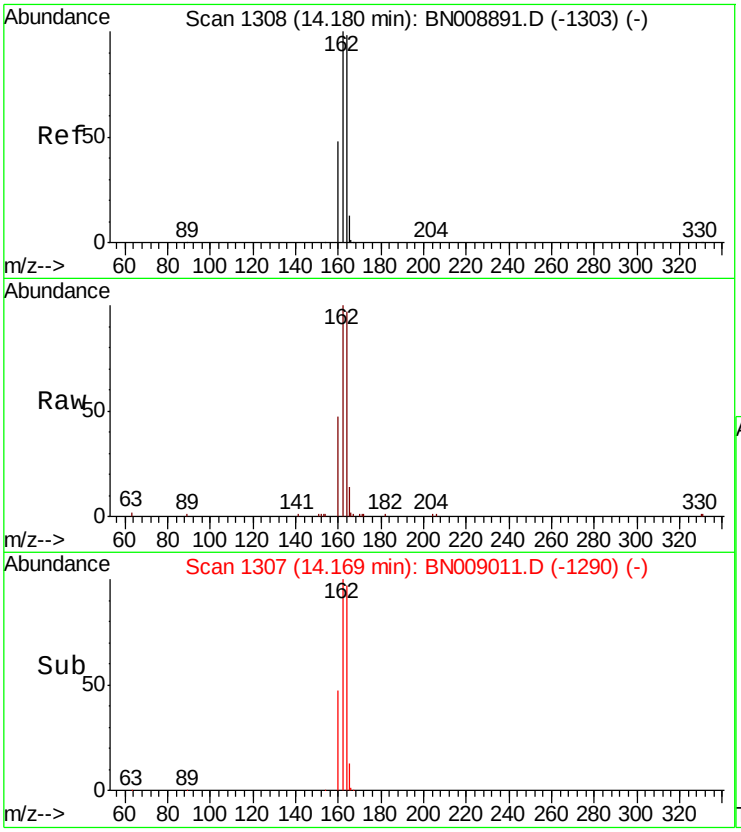


#12
2-Methylnaphthalene
Concen: 0.369 ng
RT: 11.97 min Scan# 1037
Delta R.T. -0.02 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Tgt Ion:142 Resp: 7232

Ion	Ratio	Lower	Upper
142	100		
141	86.9	69.3	103.9
115	36.4	27.9	41.9



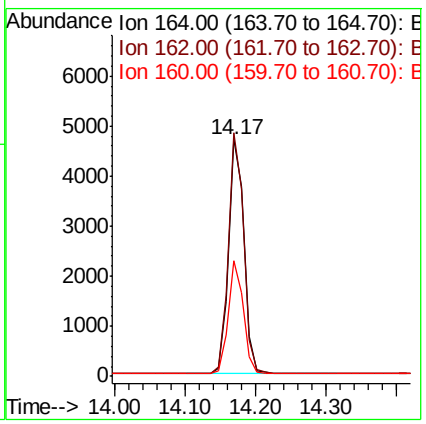


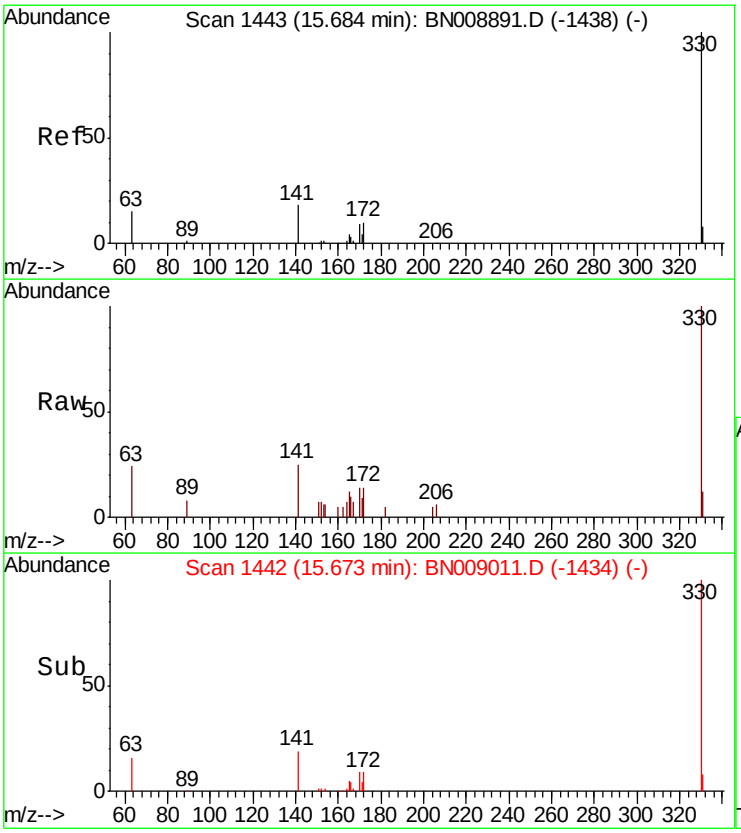
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.17 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Instrument :
BNA_N
ClientSampleId :
PB125417BSD

Tgt Ion:164 Resp: 7280

Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.9	122.9
160	48.6	39.3	58.9

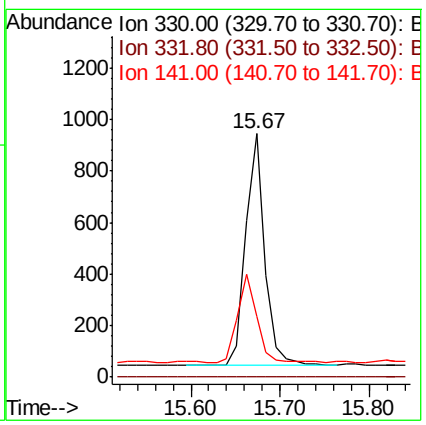


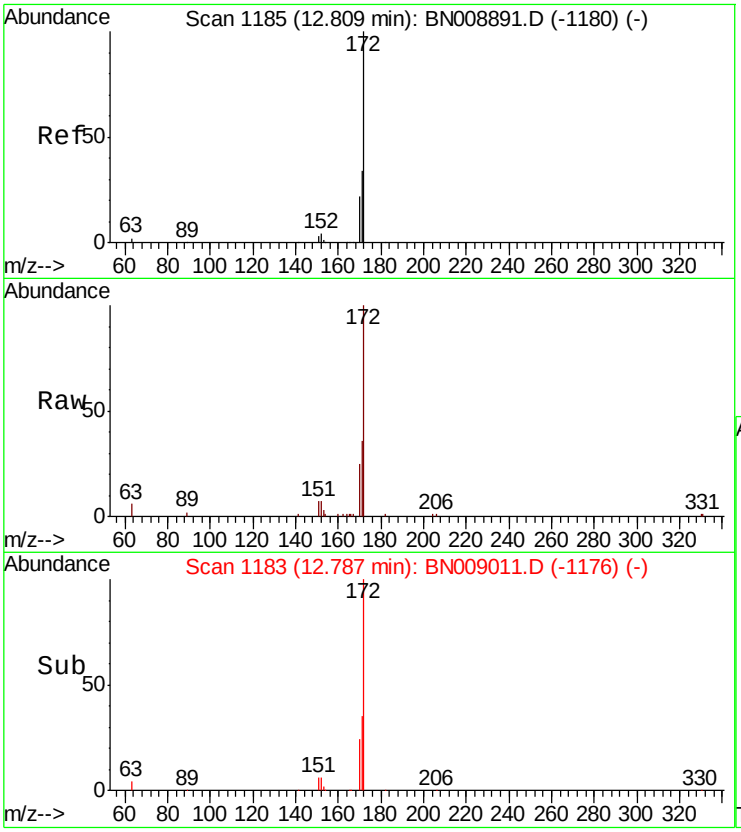


#14
2,4,6-Tribromophenol
Concen: 0.388 ng
RT: 15.67 min Scan# 1442
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Tgt Ion:330 Resp: 1355

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	36.6	29.6	44.4



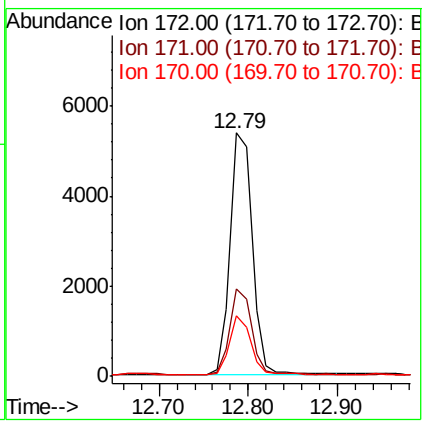


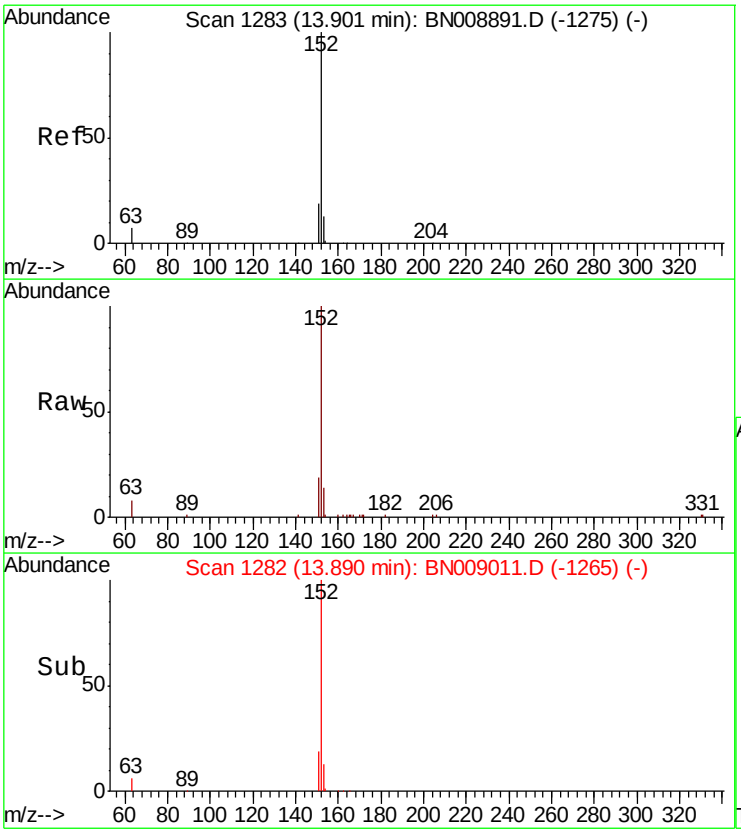
#15
2-Fluorobiphenyl
Concen: 0.333 ng
RT: 12.79 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Instrument :
BNA_N
ClientSampleId :
PB125417BSD

Tgt Ion:172 Resp: 9192

Ion	Ratio	Lower	Upper
172	100		
171	35.8	27.1	40.7
170	25.0	17.7	26.5

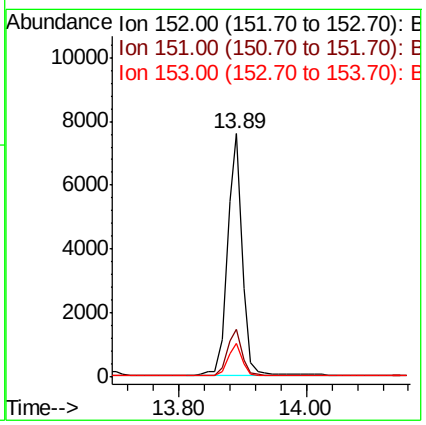


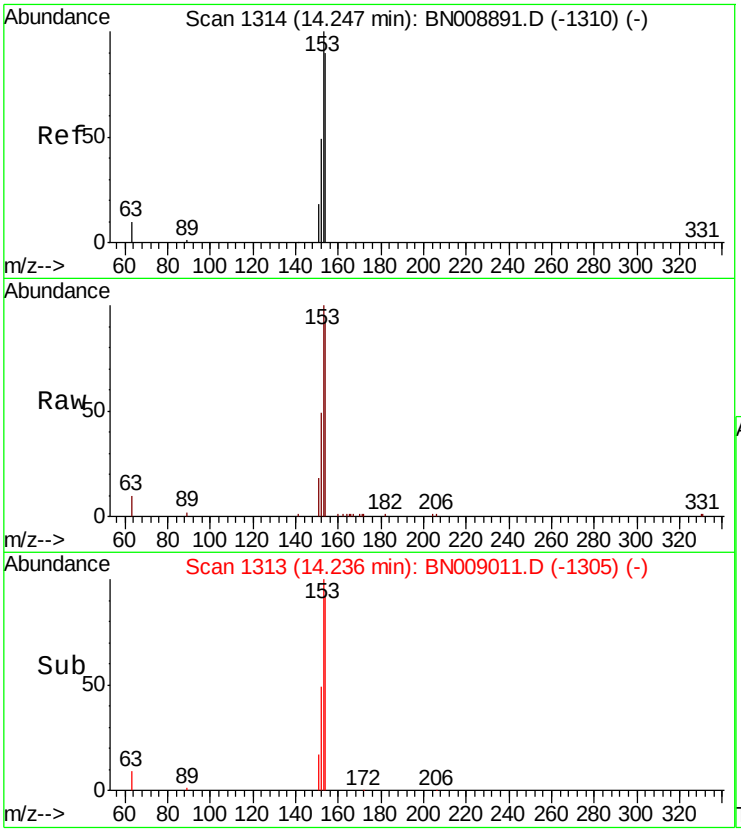


#16
Acenaphthylene
Concen: 0.361 ng
RT: 13.89 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Tgt Ion:152 Resp: 12007

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.3	22.9
153	13.0	10.3	15.5



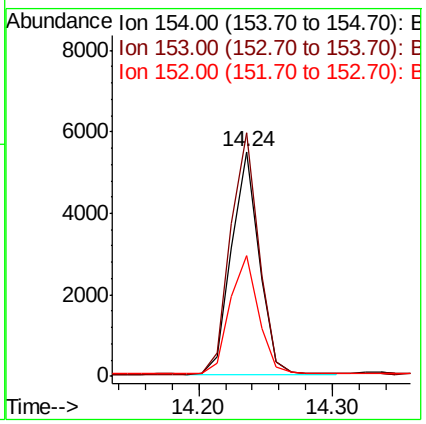


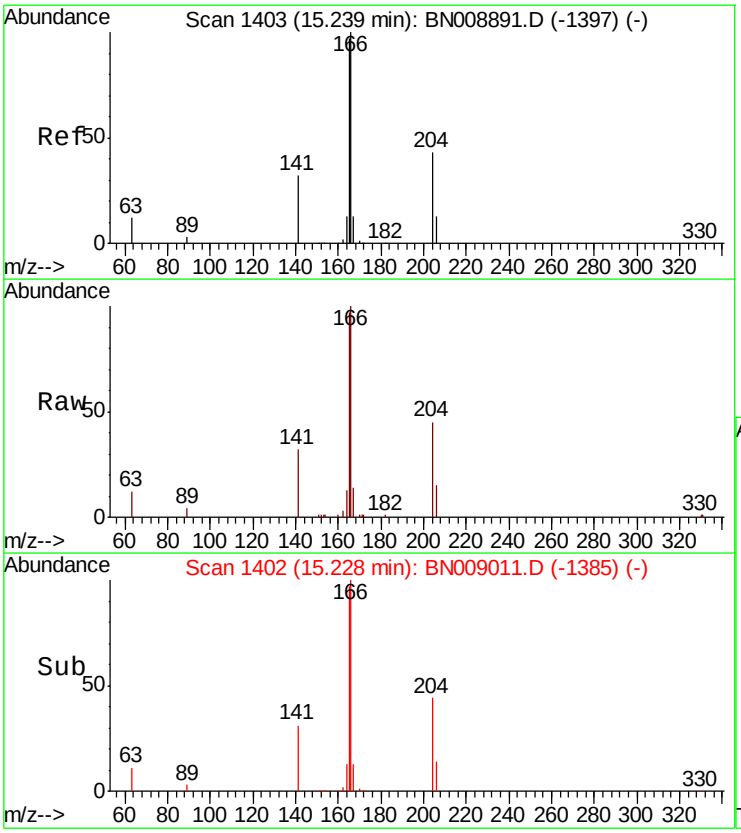
#17
Acenaphthene
Concen: 0.353 ng
RT: 14.24 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Instrument :
BNA_N
ClientSampleId :
PB125417BSD

Tgt Ion:154 Resp: 7801

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.2	133.8
152	55.4	44.2	66.4

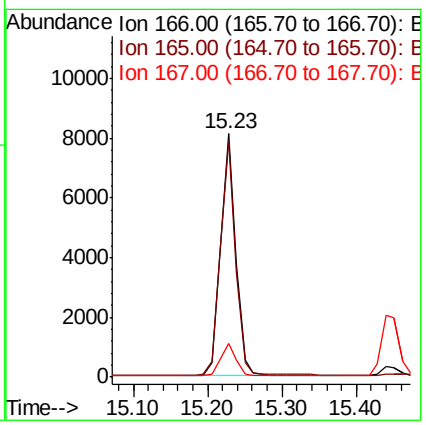


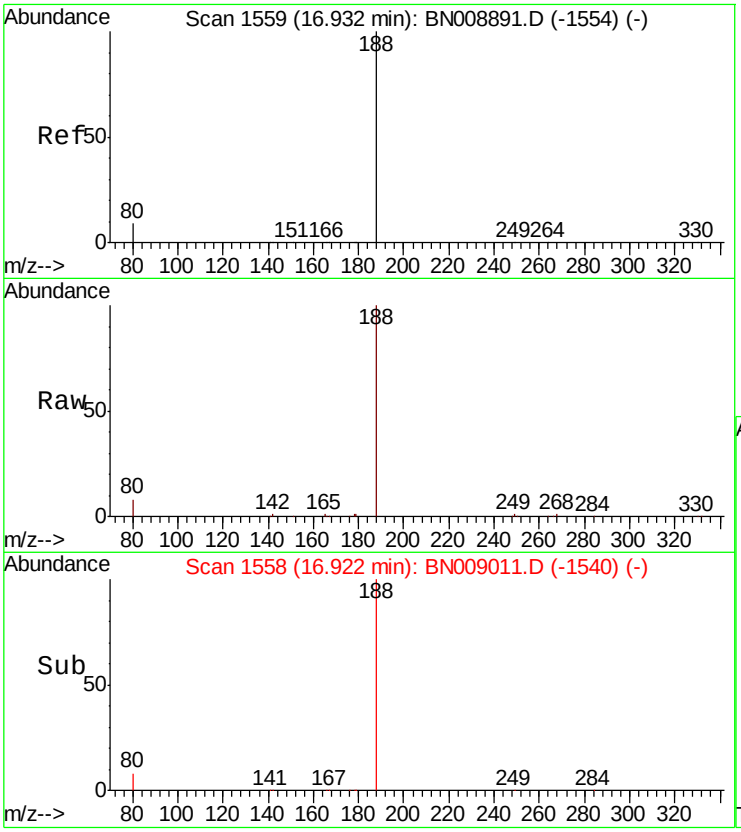


#18
Fluorene
Concen: 0.382 ng
RT: 15.23 min Scan# 1402
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Tgt Ion:166 Resp: 11365

Ion	Ratio	Lower	Upper
166	100		
165	96.8	77.3	115.9
167	13.3	10.8	16.2



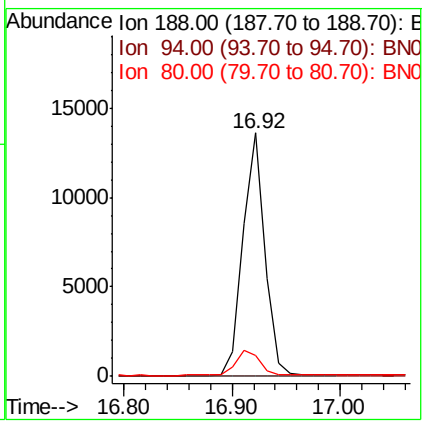


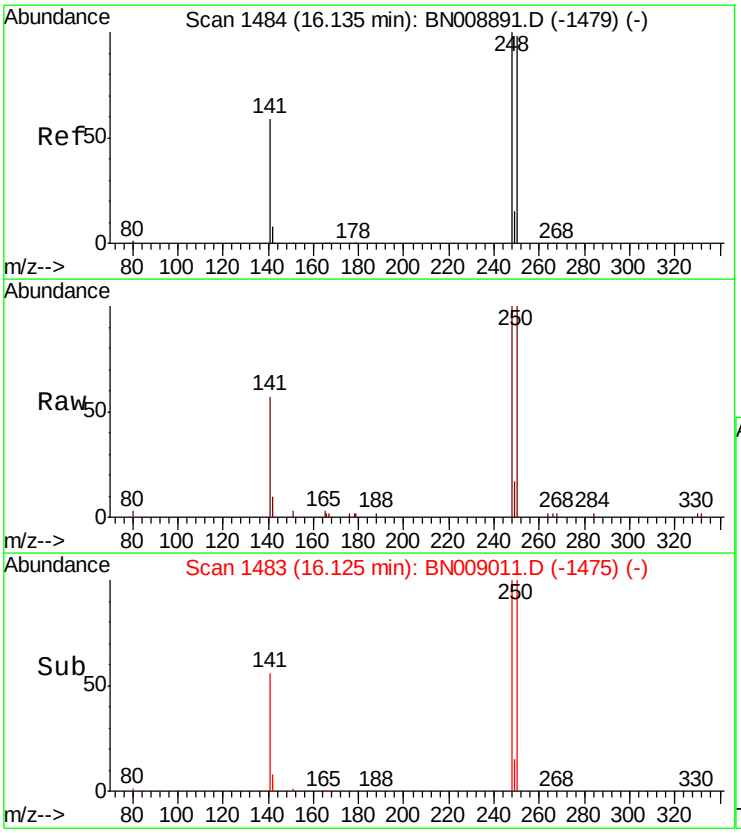
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.92 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Instrument :
BNA_N
ClientSampleId :
PB125417BSD

Tgt Ion:188 Resp: 19109

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.5	7.3	10.9

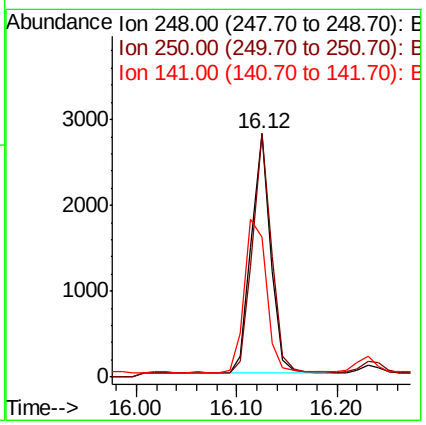


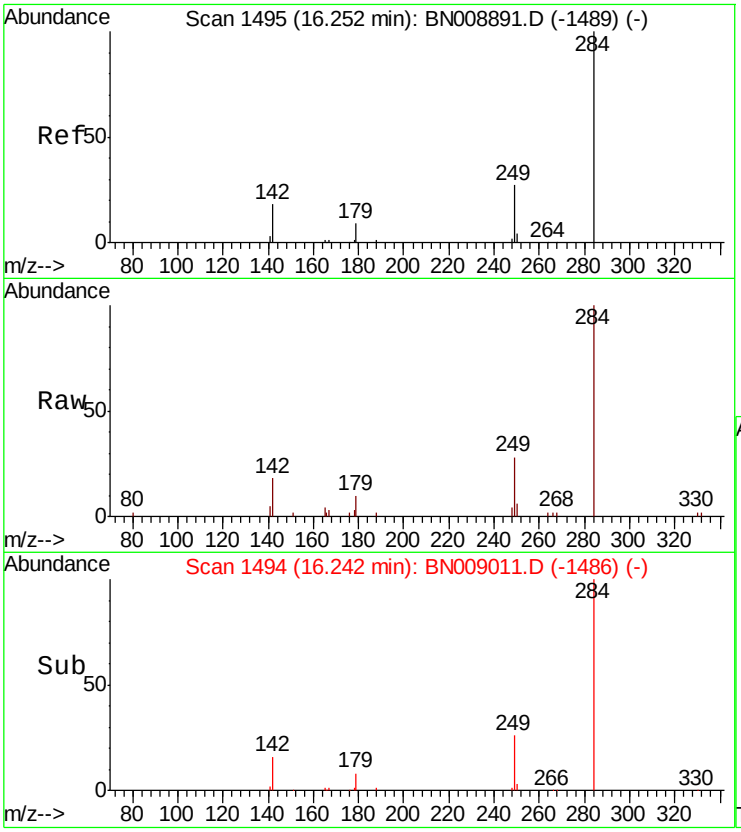


#20
4-Bromophenyl-phenylether
Concen: 0.327 ng
RT: 16.12 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Tgt Ion:248 Resp: 3736

Ion	Ratio	Lower	Upper
248	100		
250	100.1	78.7	118.1
141	57.4	47.9	71.9



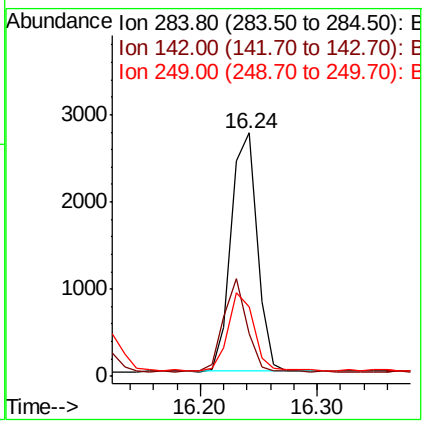


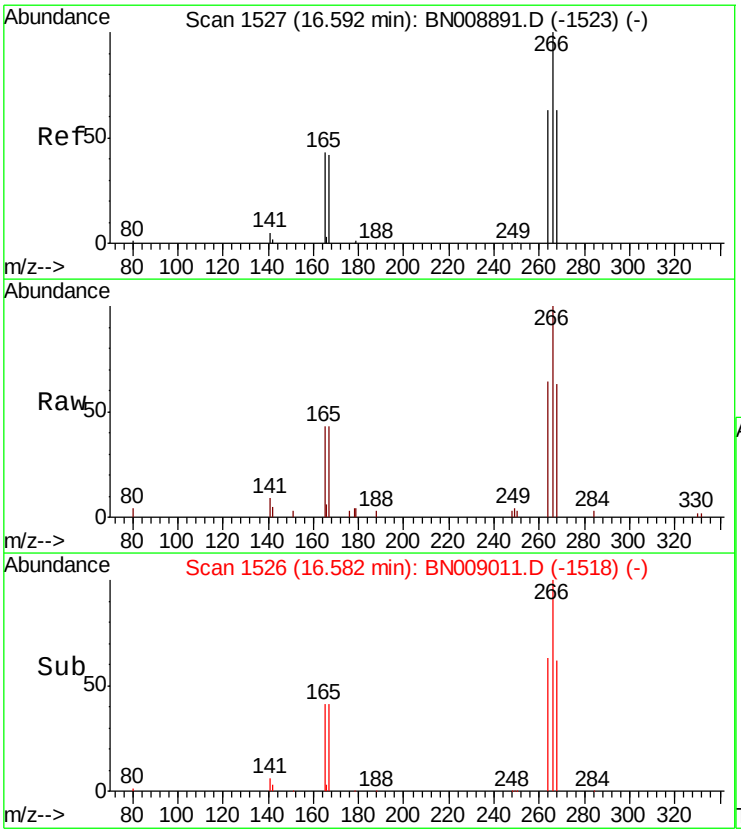
#21
Hexachlorobenzene
Concen: 0.323 ng
RT: 16.24 min Scan# 1494
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Instrument :
BNA_N
ClientSampleId :
PB125417BSD

Tgt Ion:284 Resp: 4202

Ion	Ratio	Lower	Upper
284	100		
142	35.0	27.8	41.6
249	31.9	25.3	37.9

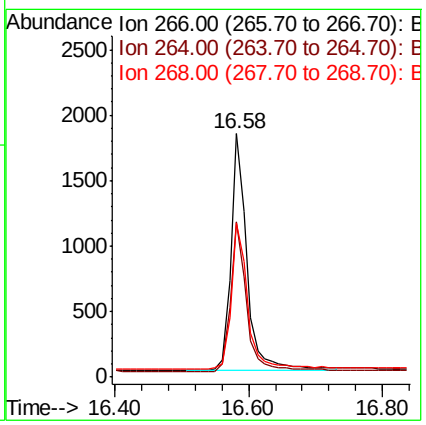


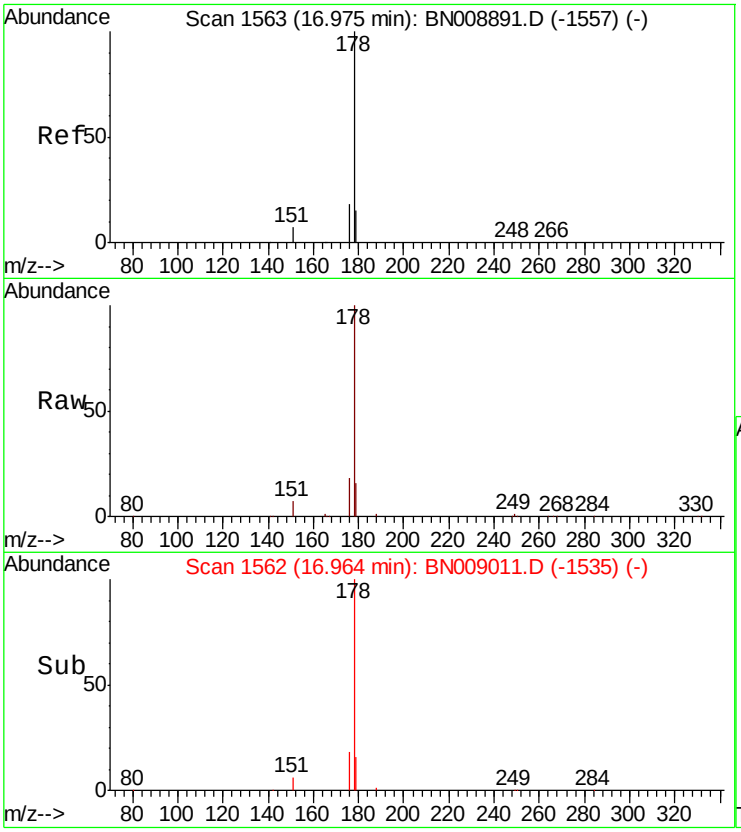


#22
Pentachlorophenol
Concen: 0.637 ng
RT: 16.58 min Scan# 1526
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Tgt Ion:266 Resp: 2991

Ion	Ratio	Lower	Upper
266	100		
264	63.5	51.5	77.3
268	63.2	53.1	79.7



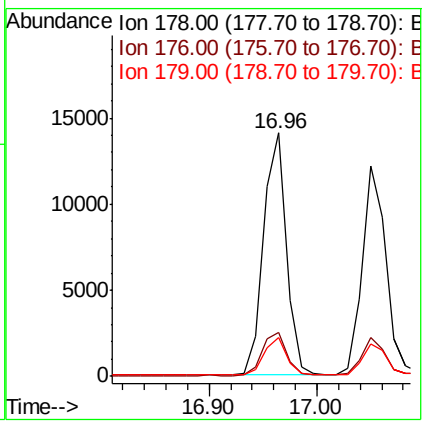


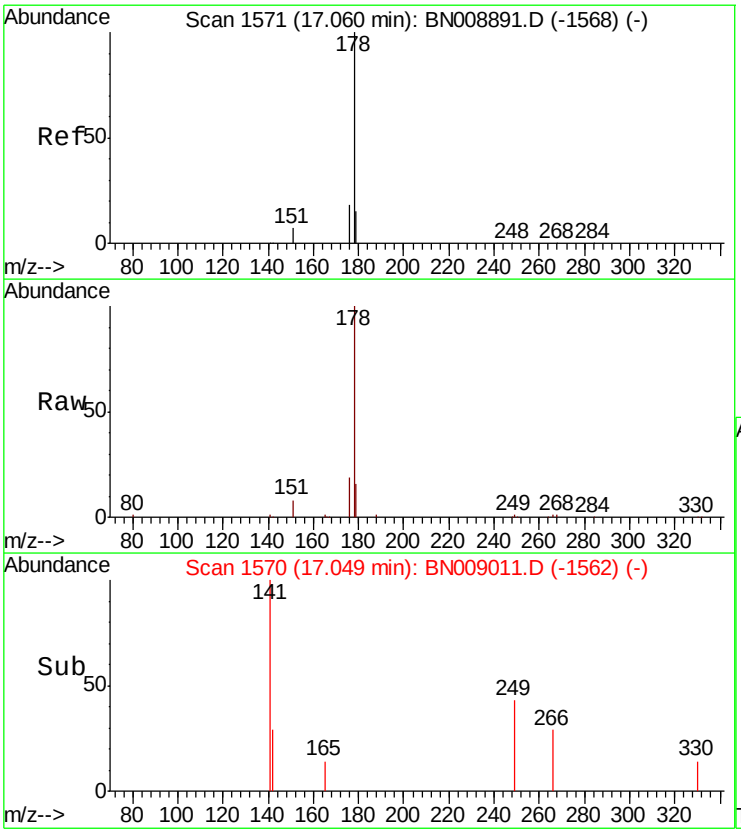
#23
Phenanthrene
Concen: 0.345 ng
RT: 16.96 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Instrument :
BNA_N
ClientSampleId :
PB125417BSD

Tgt Ion:178 Resp: 20735

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.3	12.3	18.5

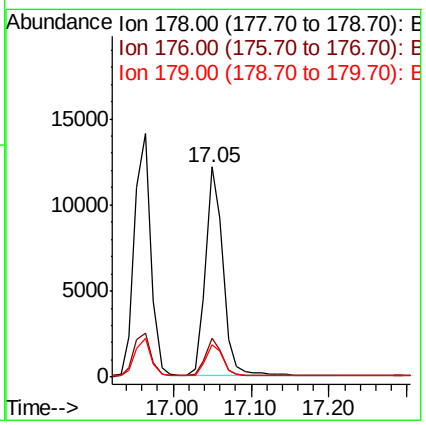


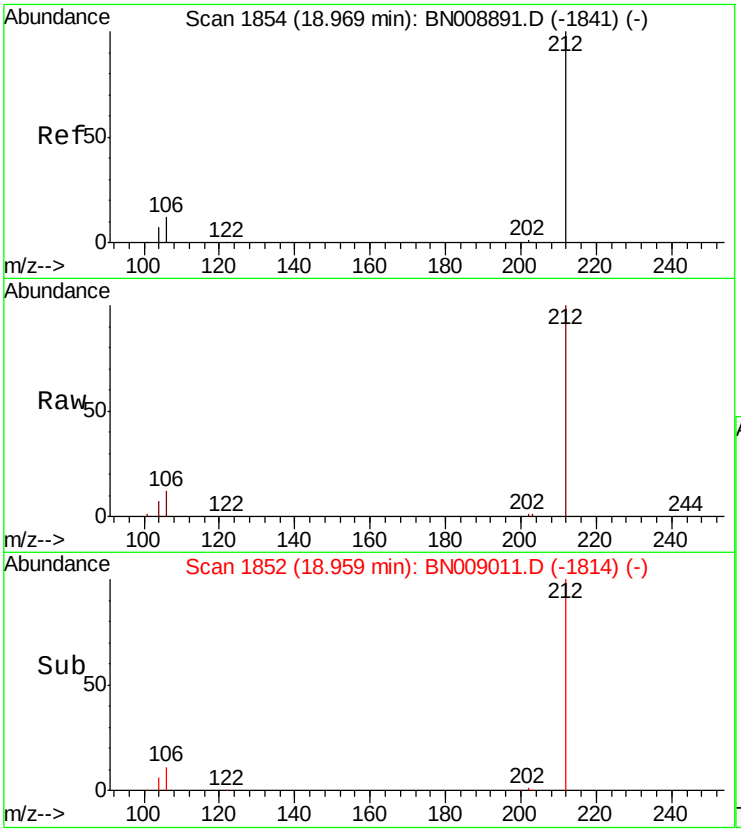


#24
Anthracene
Concen: 0.353 ng
RT: 17.05 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Tgt Ion:178 Resp: 18716

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.4	21.6
179	15.2	12.1	18.1



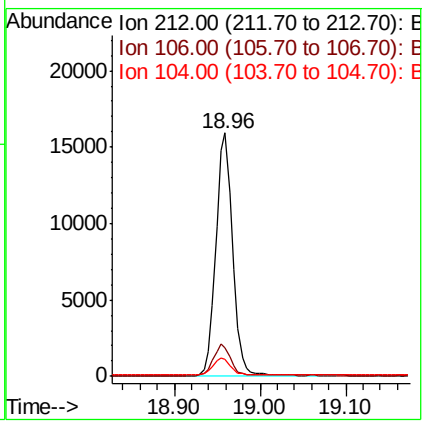


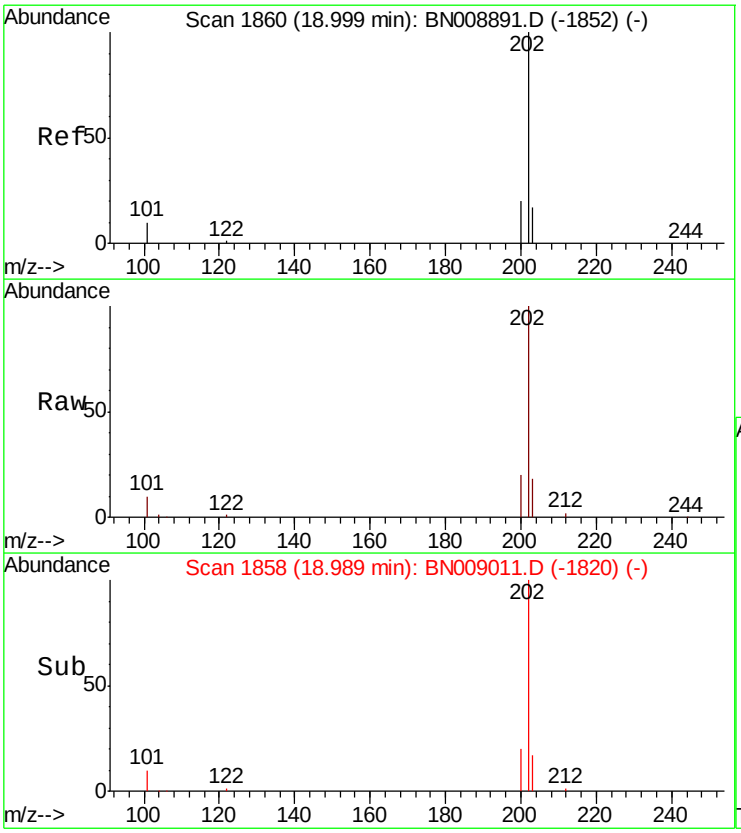
#25
Fluoranthene-d10
Concen: 0.371 ng
RT: 18.96 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Instrument :
BNA_N
ClientSampleId :
PB125417BSD

Tgt Ion:212 Resp: 21442

Ion	Ratio	Lower	Upper
212	100		
106	12.7	10.4	15.6
104	7.1	5.9	8.9

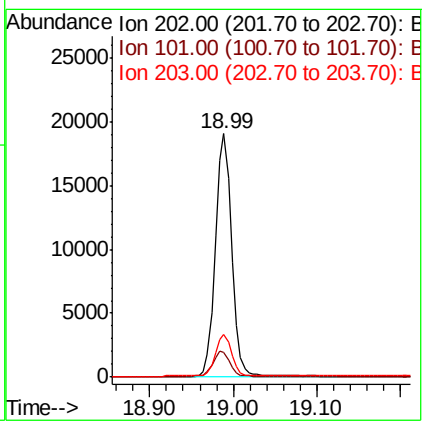


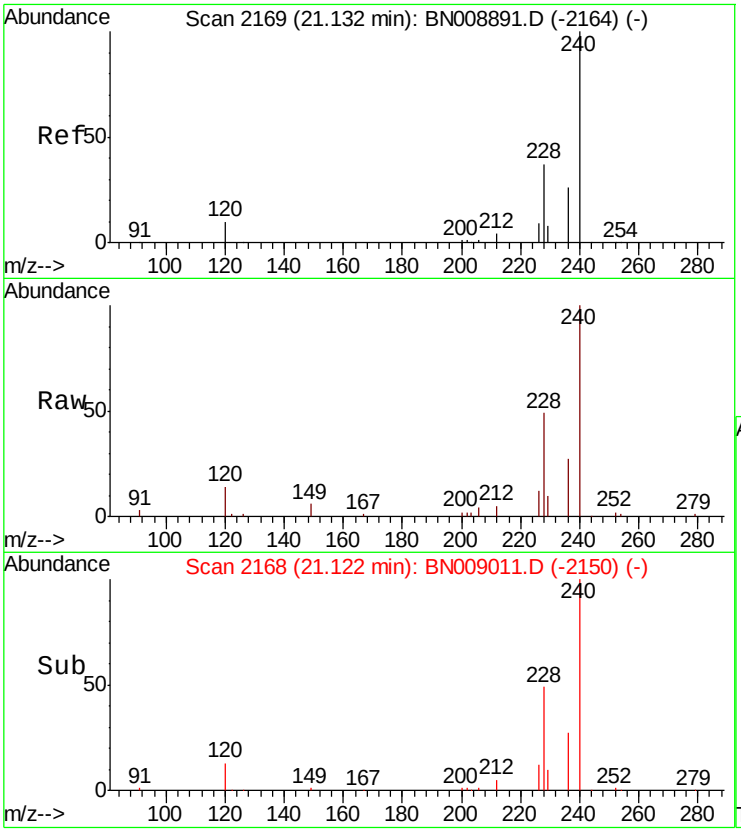


#26
Fluoranthene
Concen: 0.356 ng
RT: 18.99 min Scan# 1858
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Tgt Ion:202 Resp: 25488

Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.8	13.2
203	17.1	13.8	20.6



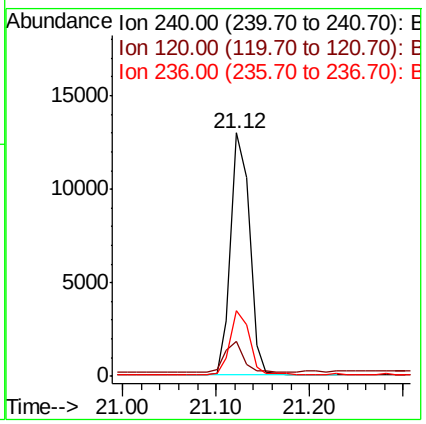


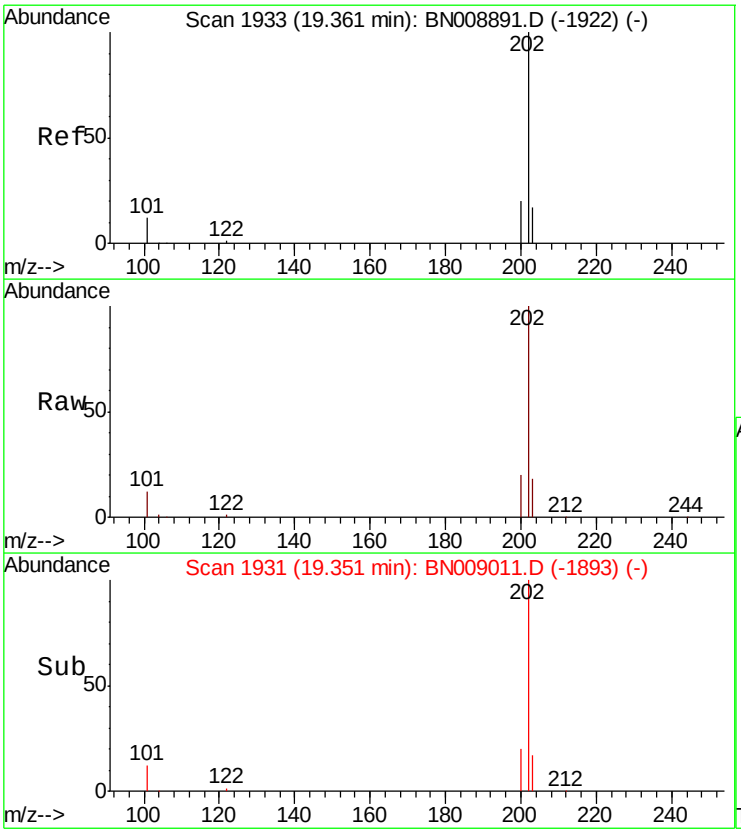
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.12 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Instrument :
BNA_N
ClientSampleId :
PB125417BSD

Tgt Ion:240 Resp: 18167

Ion	Ratio	Lower	Upper
240	100		
120	14.2	9.1	13.7#
236	27.2	21.5	32.3

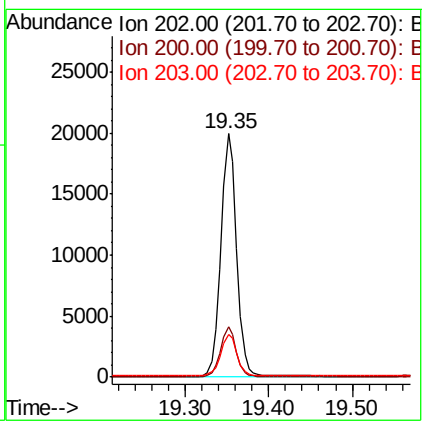


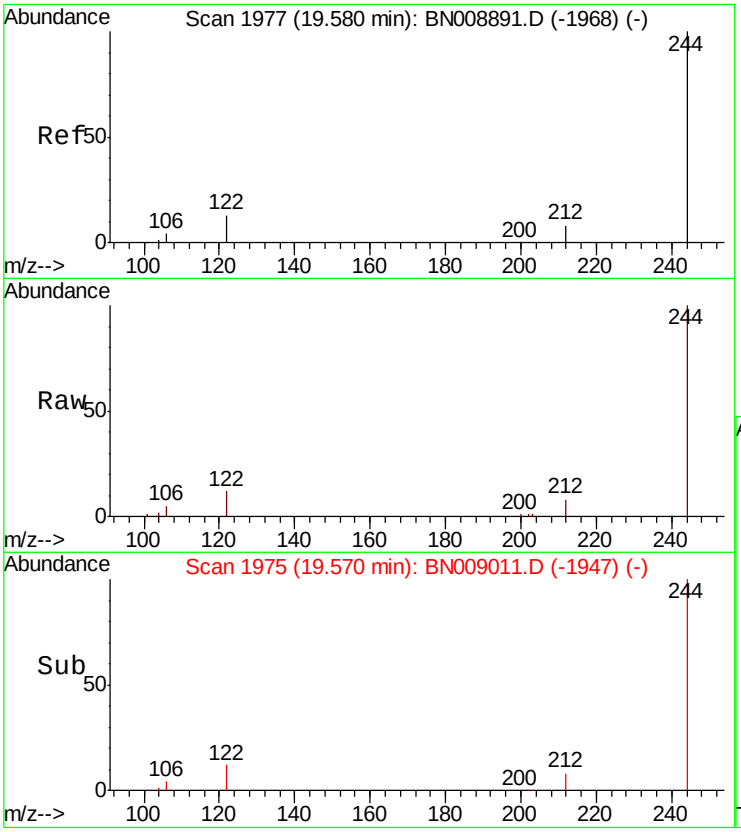


#28
Pyrene
Concen: 0.405 ng
RT: 19.35 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Tgt Ion:202 Resp: 25779

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.1	24.1
203	17.9	13.9	20.9



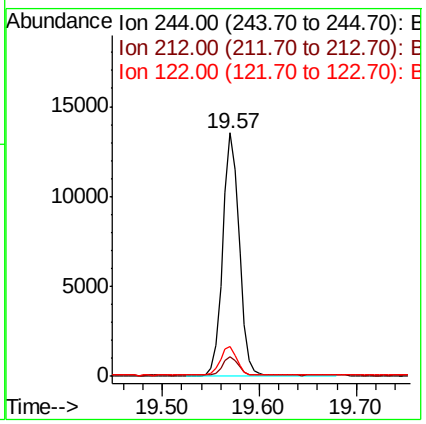


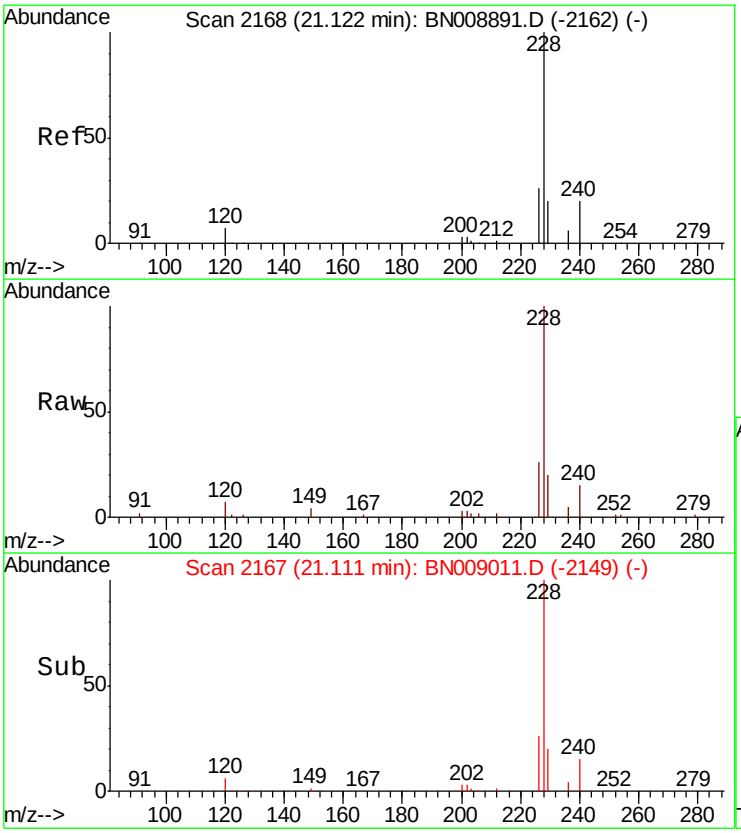
#29
Terphenyl-d14
Concen: 0.384 ng
RT: 19.57 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Instrument :
BNA_N
ClientSampleId :
PB125417BSD

Tgt Ion:244 Resp: 15905

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.5	9.7
122	12.2	10.4	15.6

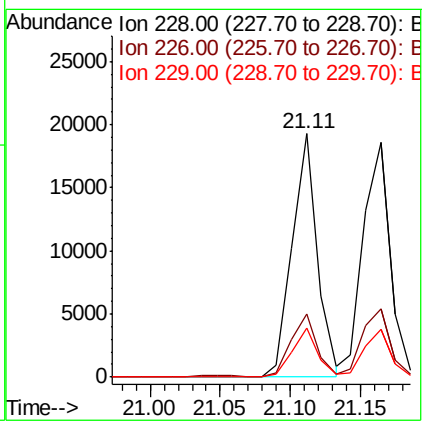


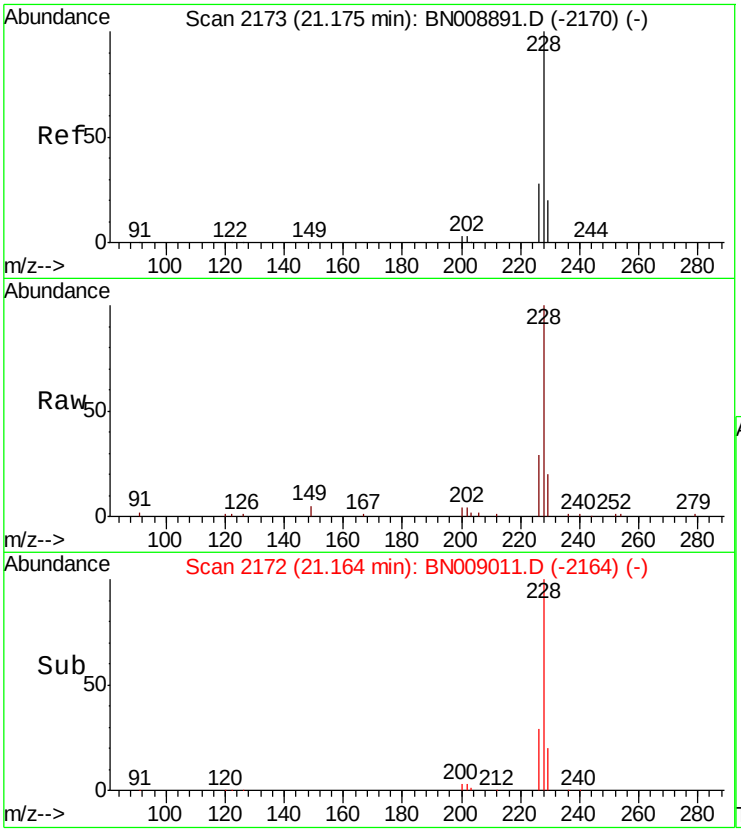


#30
Benzo(a)anthracene
Concen: 0.371 ng
RT: 21.11 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Tgt Ion:228 Resp: 23868

Ion	Ratio	Lower	Upper
228	100		
226	26.1	20.6	30.8
229	20.1	15.9	23.9



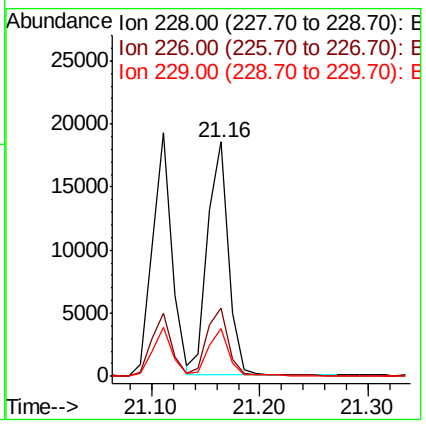


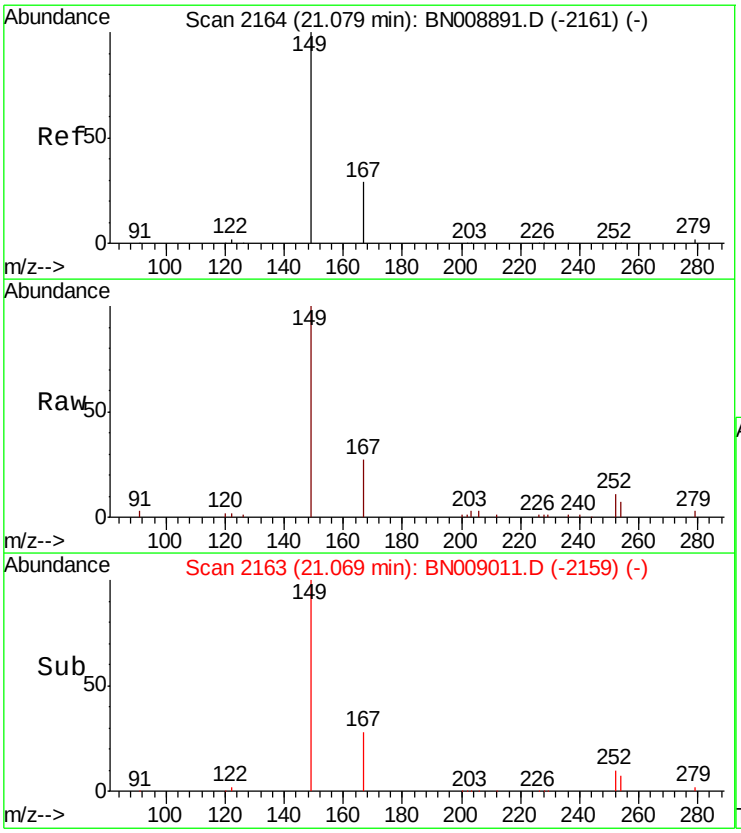
#31
Chrysene
Concen: 0.372 ng
RT: 21.16 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Instrument :
BNA_N
ClientSampleId :
PB125417BSD

Tgt Ion:228 Resp: 24821

Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.2	33.4
229	20.2	15.9	23.9

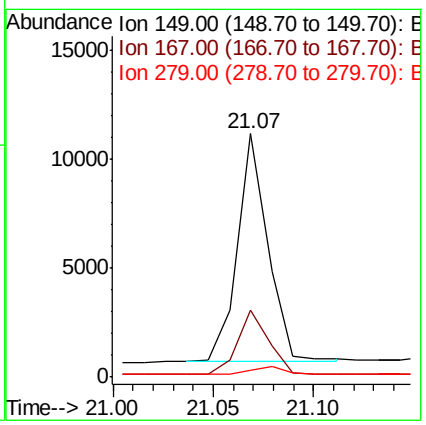


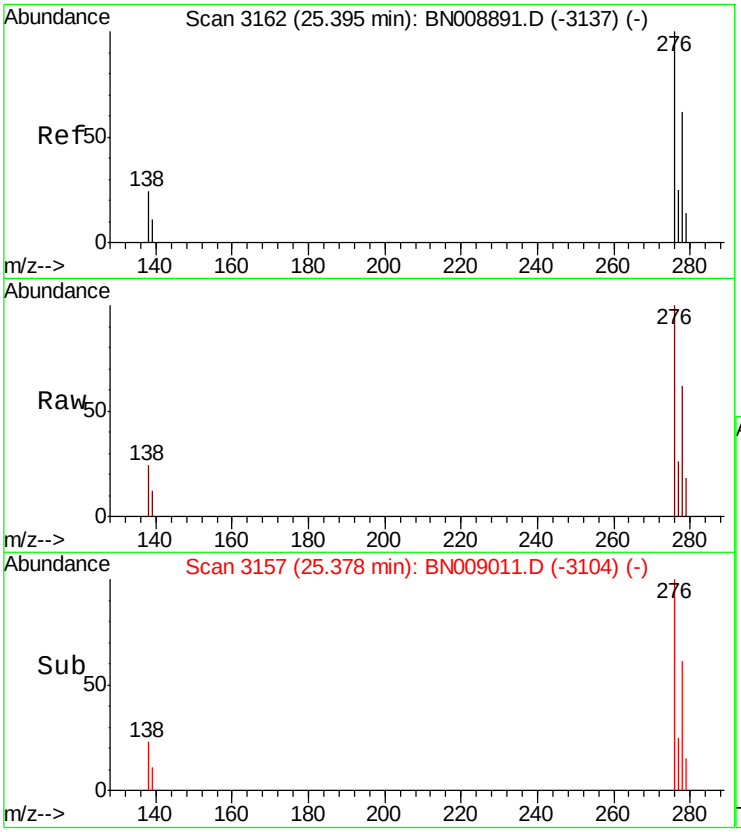


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.372 ng
RT: 21.07 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Tgt Ion:149 Resp: 11206

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.7	34.1
279	4.0	3.3	4.9



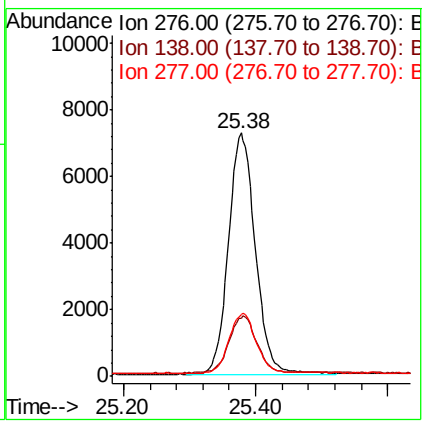


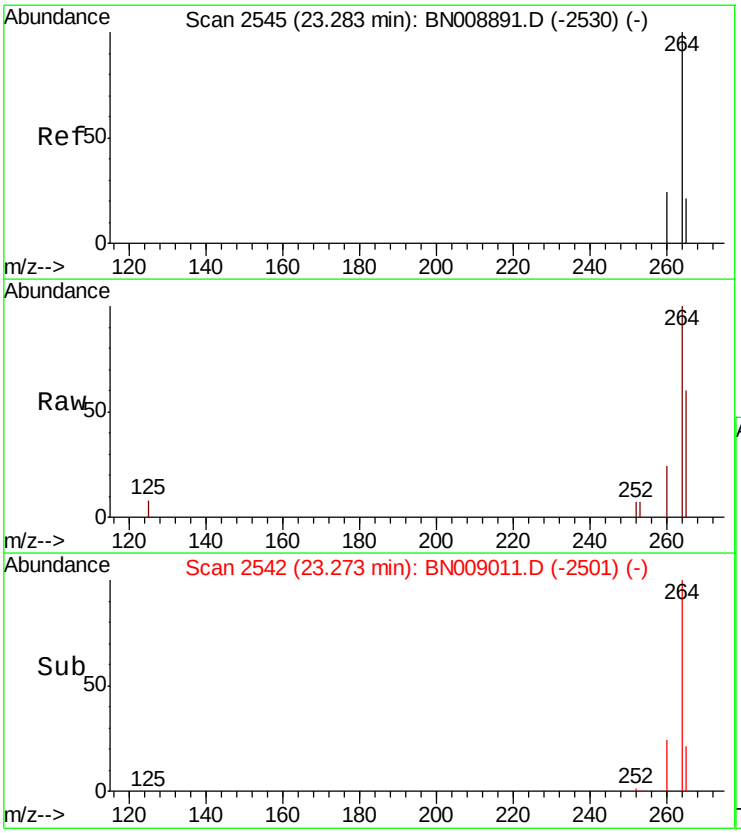
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.291 ng
RT: 25.38 min Scan# 3157
Delta R.T. -0.02 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Instrument :
BNA_N
ClientSampleId :
PB125417BSD

Tgt Ion:276 Resp: 20536

Ion	Ratio	Lower	Upper
276	100		
138	24.5	19.9	29.9
277	25.1	19.8	29.8

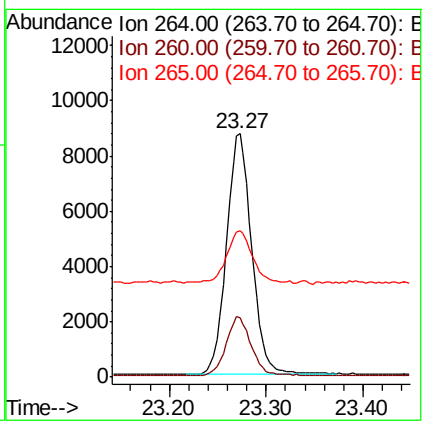


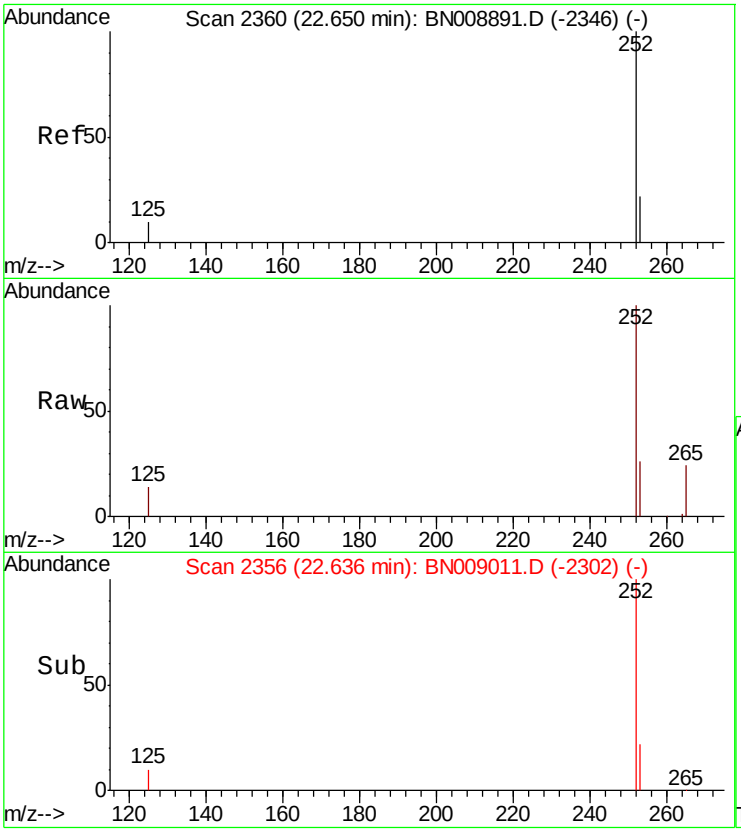


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.27 min Scan# 2542
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Tgt Ion:264 Resp: 15849

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.0
265	60.1	47.5	71.3



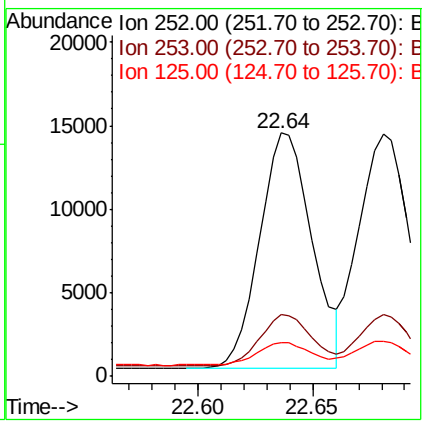


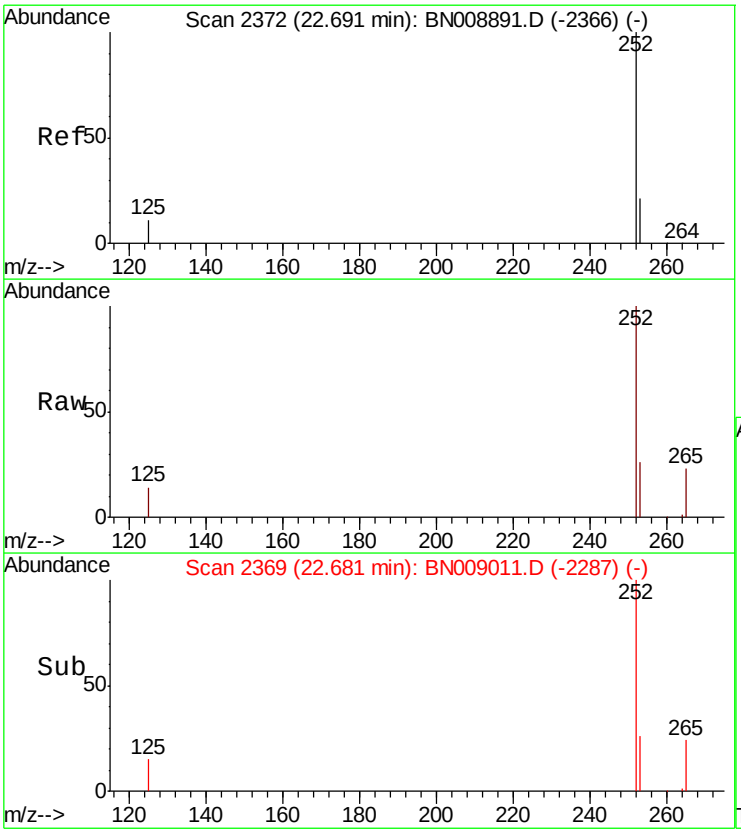
#35
Benzo(b)fluoranthene
Concen: 0.394 ng
RT: 22.64 min Scan# 2356
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Instrument :
BNA_N
ClientSampleId :
PB125417BSD

Tgt Ion:252 Resp: 22350

Ion	Ratio	Lower	Upper
252	100		
253	25.5	19.8	29.6
125	13.8	10.8	16.2

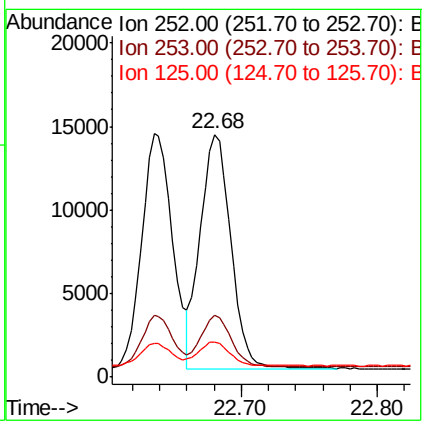


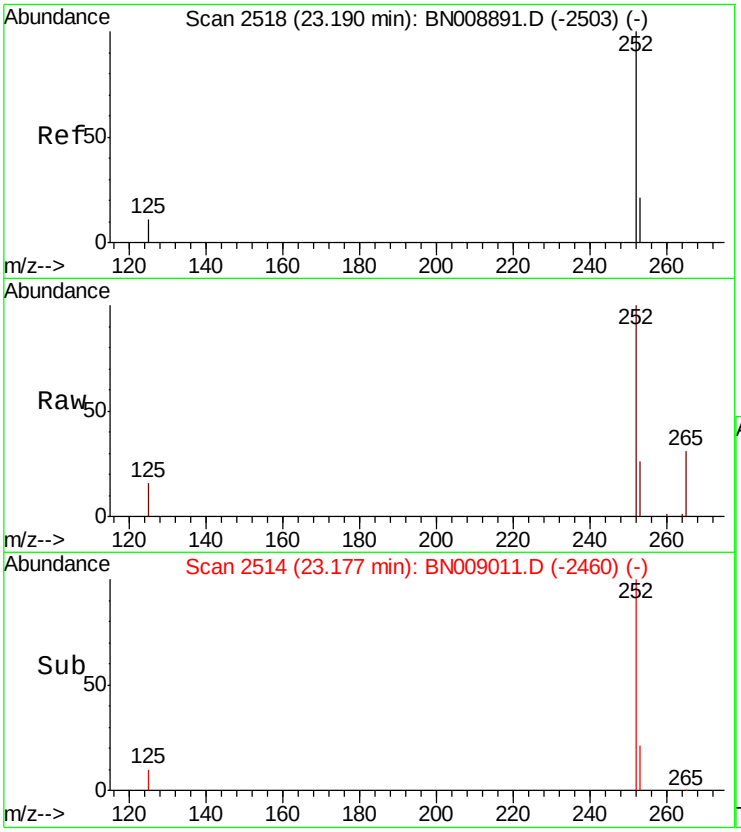


#36
Benzo(k)fluoranthene
Concen: 0.384 ng
RT: 22.68 min Scan# 2369
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Tgt Ion:252 Resp: 21912

Ion	Ratio	Lower	Upper
252	100		
253	25.6	19.2	28.8
125	14.5	11.6	17.4



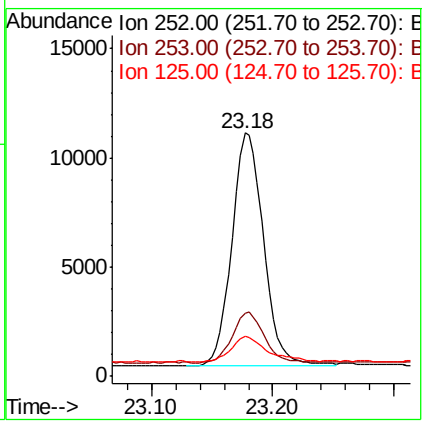


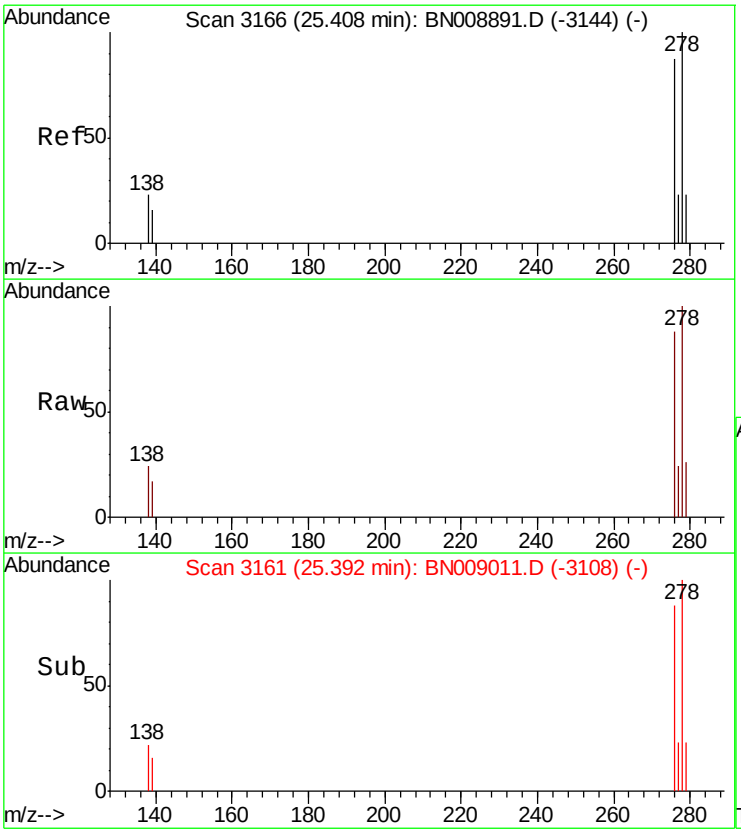
#37
Benzo(a)pyrene
Concen: 0.381 ng
RT: 23.18 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Instrument :
BNA_N
ClientSampleId :
PB125417BSD

Tgt Ion:252 Resp: 19422

Ion	Ratio	Lower	Upper
252	100		
253	26.1	19.9	29.9
125	16.3	12.3	18.5

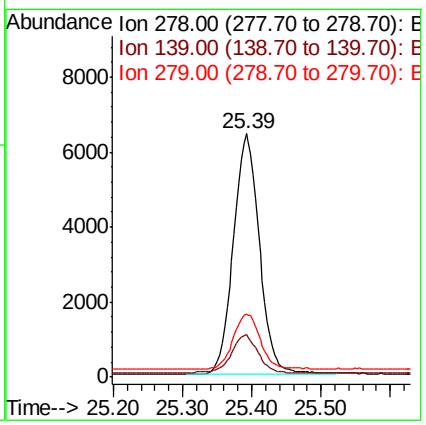


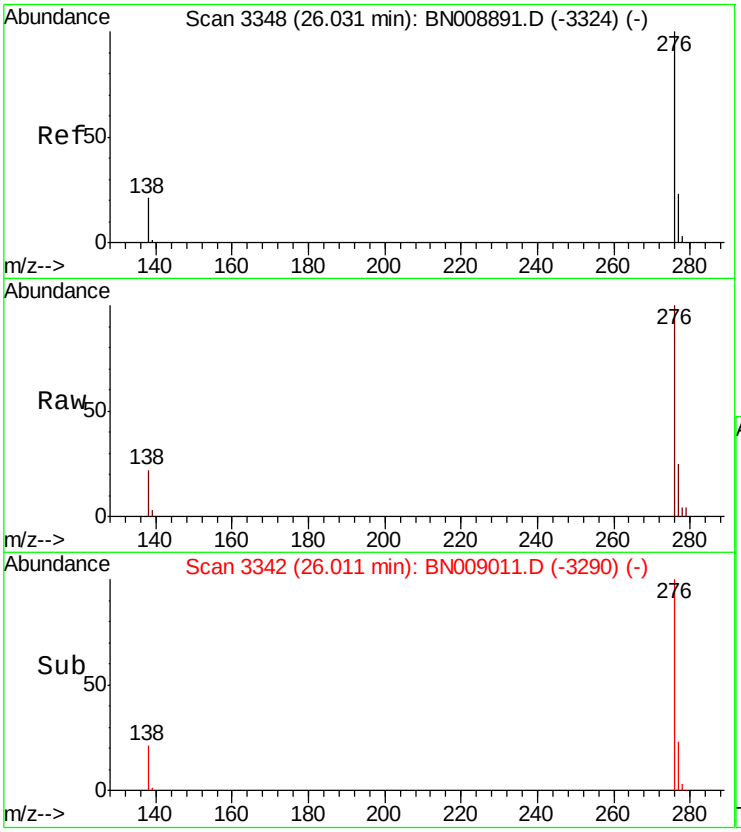


#38
Dibenzo(a,h)anthracene
Concen: 0.354 ng
RT: 25.39 min Scan# 3161
Delta R.T. -0.02 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Tgt Ion:278 Resp: 16941

Ion	Ratio	Lower	Upper
278	100		
139	17.3	13.9	20.9
279	26.1	20.2	30.4





#39
Benzo(g,h,i)perylene
Concen: 0.370 ng
RT: 26.01 min Scan# 3342
Delta R.T. -0.02 min
Lab File: BN009011.D
Acq: 17 Dec 2019 11:53

Instrument :
BNA_N
ClientSampleId :
PB125417BSD

Tgt Ion:276 Resp: 17459

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.4	29.2
138	22.2	17.8	26.6