Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121719\
Data File : BN009010.D
Acq On : 17 Dec 2019 11:17
Operator : JU
Sample : PB125417BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB125417BS

Quant Time: Dec 17 16:08:50 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	7.54	152	3979	0.40	ng		-0.02
7) Naphthalene-d8	10.30	136	15307	0.40	ng		-0.01
13) Acenaphthene-d10	14.17	164	10916	0.40	ng		-0.01
19) Phenanthrene-d10	16.92	188	28552	0.40	ng		-0.01
27) Chrysene-d12	21.12	240	26512	0.40	ng		-0.01
34) Perylene-d12	23.27	264	24355	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.18	112	3629	0.36	ng		-0.02
5) Phenol-d6	6.74	99	5179	0.37	ng		-0.02
8) Nitrobenzene-d5	8.68	82	4325	0.33	ng		-0.01
11) 2-Methylnaphthalene-d10	11.90	152	9772	0.37	ng		-0.01
14) 2,4,6-Tribromophenol	15.67	330	1969	0.38	ng		-0.01
15) 2-Fluorobiphenyl	12.79	172	13615	0.33	ng		-0.02
25) Fluoranthene-d10	18.96	212	29755	0.34	ng		0.00
29) Terphenyl-d14	19.57	244	21850	0.36	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.16	88	574	0.154	ng	#	77
3) n-Nitrosodimethylamine	3.47	42	1560	0.303	ng	#	85
6) bis(2-Chloroethyl)ether	6.99	93	4317	0.328	ng		97
9) Naphthalene	10.35	128	15240	0.365	ng		99
10) Hexachlorobutadiene	10.65	225	2797	0.350	ng	#	100
12) 2-Methylnaphthalene	11.97	142	11471	0.369	ng		99
16) Acenaphthylene	13.89	152	18664	0.374	ng		100
17) Acenaphthene	14.24	154	11938	0.360	ng		99
18) Fluorene	15.23	166	17157	0.385	ng		100
20) 4-Bromophenyl-phenylether	16.12	248	5692	0.333	ng		94
21) Hexachlorobenzene	16.24	284	6318	0.325	ng		100
22) Pentachlorophenol	16.58	266	4755	0.678	ng		96
23) Phenanthrene	16.96	178	31236	0.348	ng		100
24) Anthracene	17.05	178	28451	0.360	ng		100
26) Fluoranthene	18.99	202	36793	0.344	ng		100
28) Pyrene	19.35	202	37061	0.399	ng		99
30) Benzo(a)anthracene	21.11	228	34263	0.364	ng		99
31) Chrysene	21.16	228	35099	0.360	ng		99
32) Bis(2-ethylhexyl)phthalate	21.07	149	16863	0.383	ng		100
33) Indeno(1,2,3-cd)pyrene	25.37	276	31508	0.305	ng		99
35) Benzo(b)fluoranthene	22.64	252	32218	0.369	ng		98
36) Benzo(k)fluoranthene	22.68	252	33277	0.379	ng		98
37) Benzo(a)pyrene	23.18	252	29319	0.374	ng		99
38) Dibenzo(a,h)anthracene	25.39	278	25705	0.350	ng		99
39) Benzo(g,h,i)perylene	26.01	276	26890	0.371	ng		99

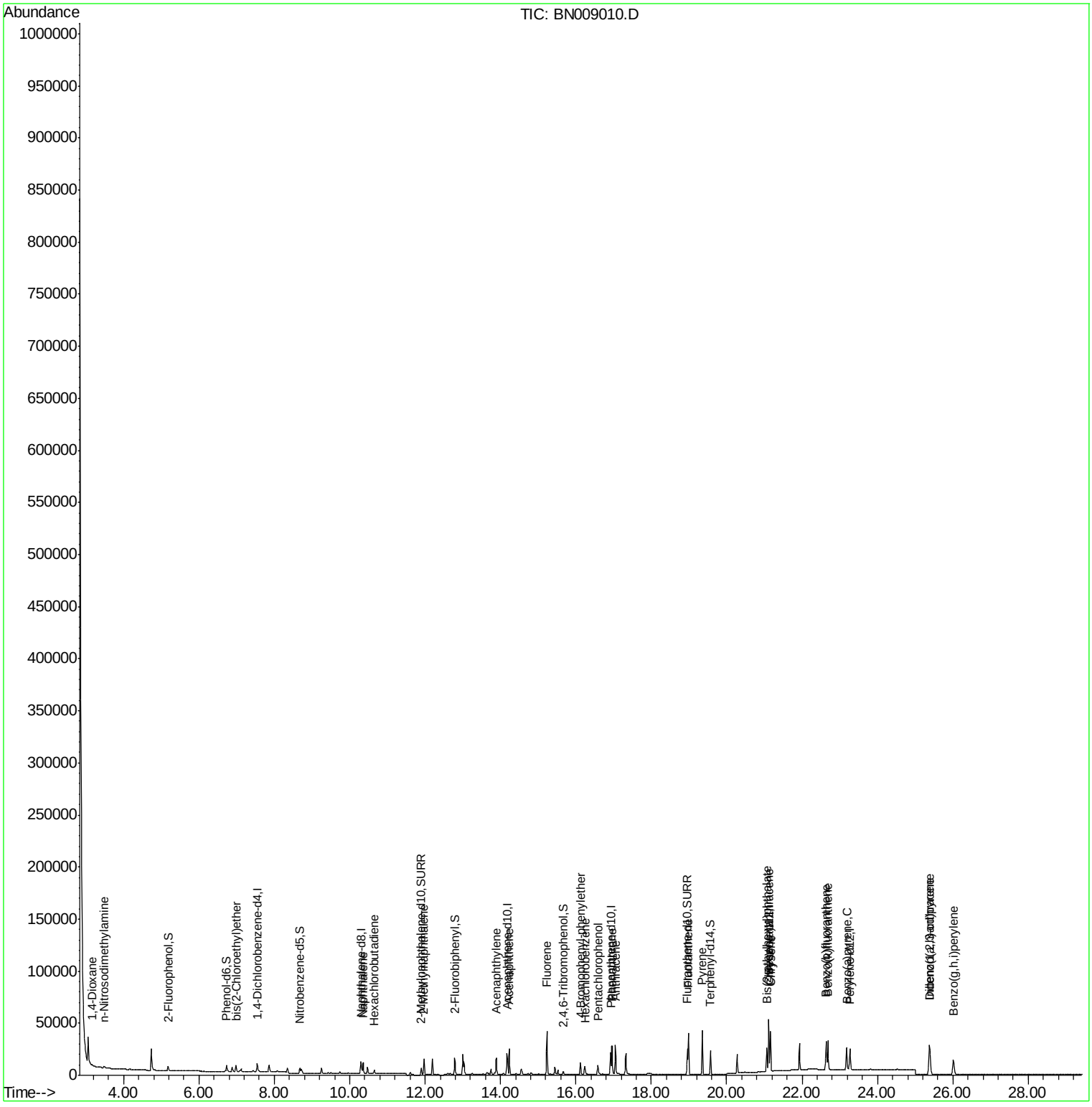
(#) = qualifier out of range (m) = manual integration (+) = signals summed

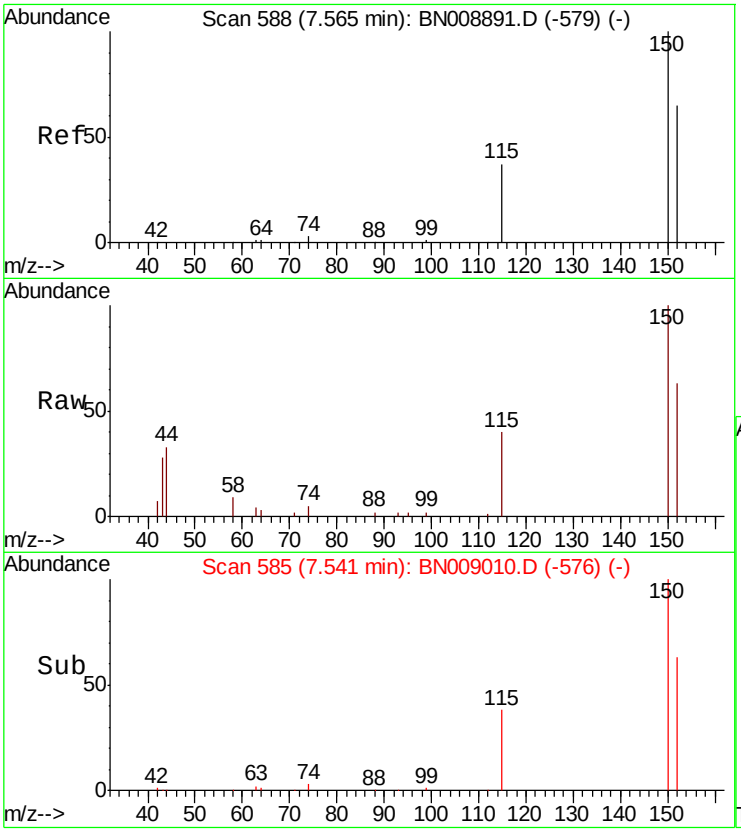
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121719\
Data File : BN009010.D
Acq On : 17 Dec 2019 11:17
Operator : JU
Sample : PB125417BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB125417BS

Quant Time: Dec 17 16:08:50 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



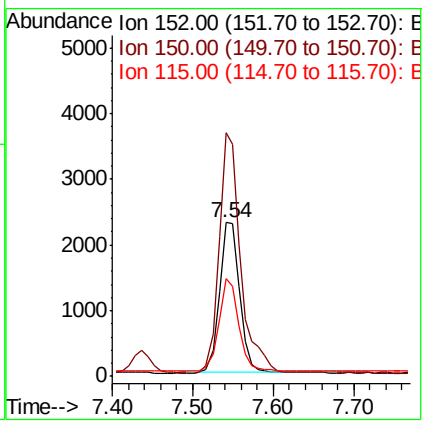


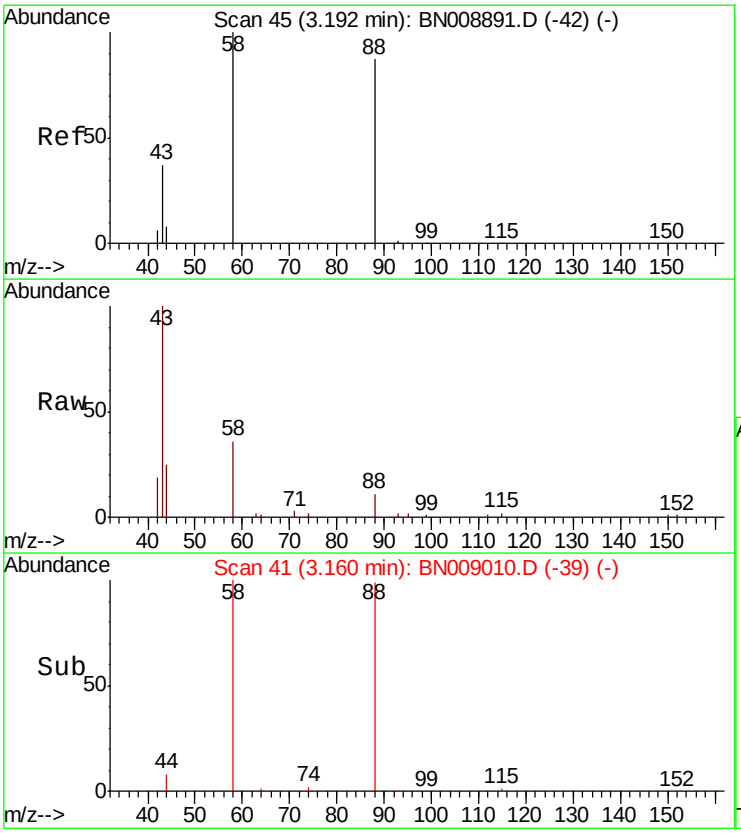
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.54 min Scan# 585
Delta R.T. -0.02 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Instrument :
BNA_N
ClientSampleId :
PB125417BS

Tgt Ion:152 Resp: 3979

Ion	Ratio	Lower	Upper
152	100		
150	158.2	122.3	183.5
115	63.3	48.4	72.6

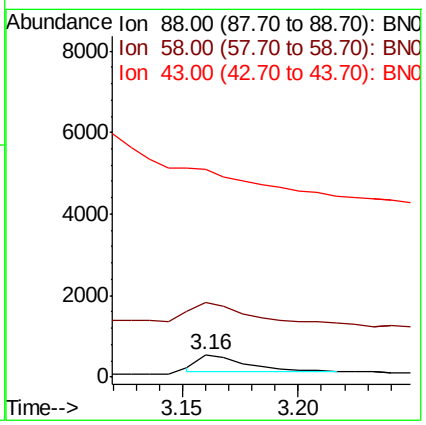


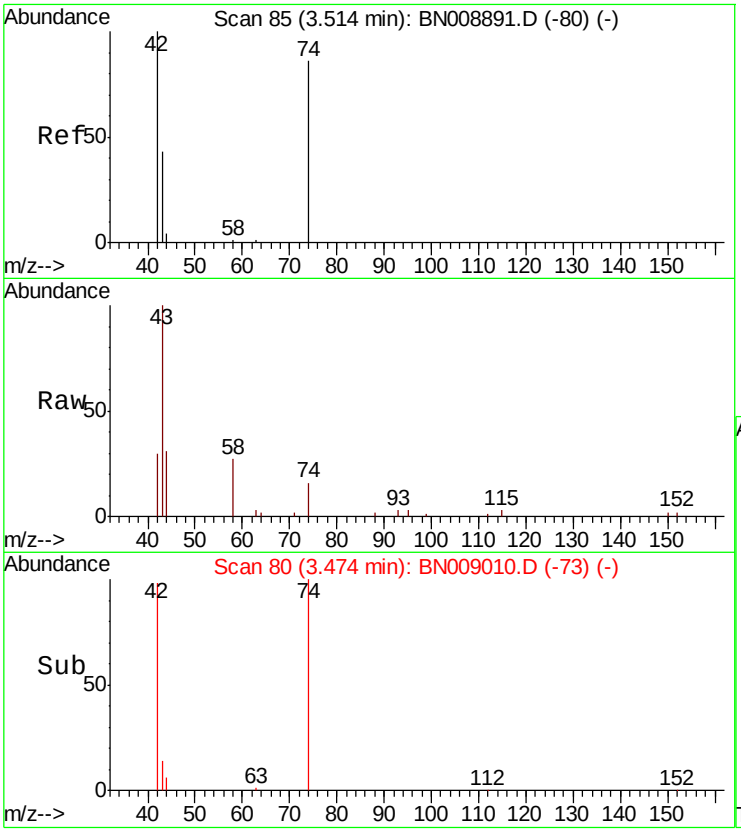


#2
1,4-Dioxane
Concen: 0.154 ng
RT: 3.16 min Scan# 41
Delta R.T. -0.03 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Tgt Ion: 88 Resp: 574

Ion	Ratio	Lower	Upper
88	100		
58	119.7	88.6	132.8
43	0.0	31.8	47.8#



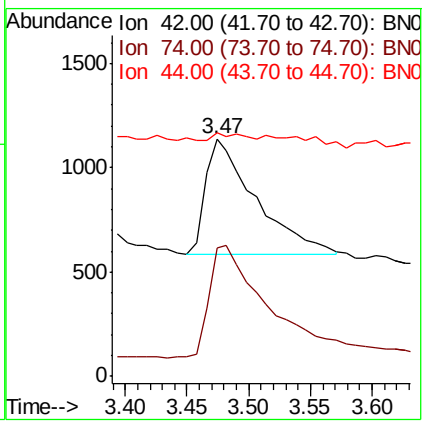


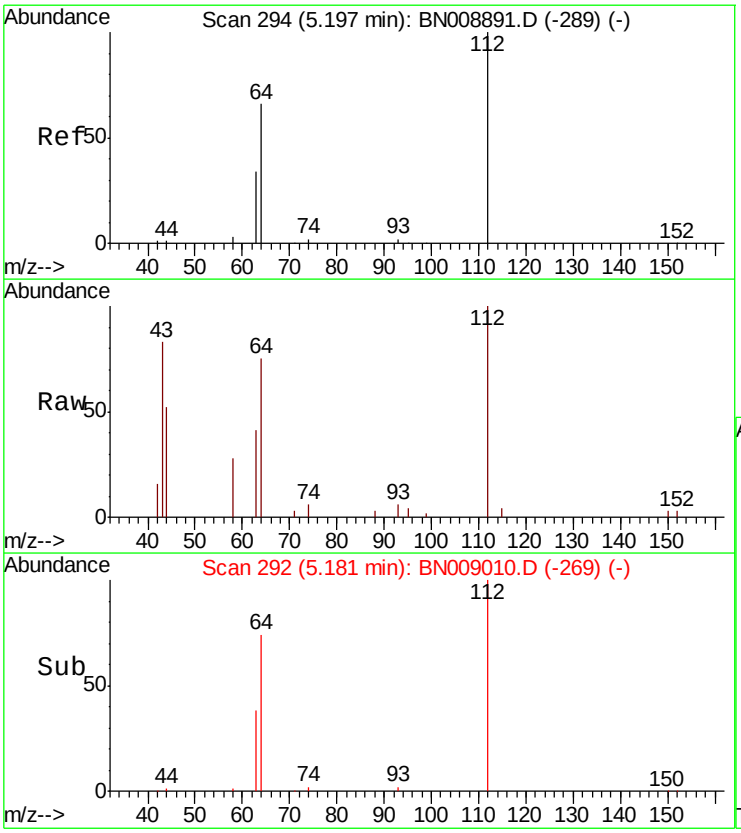
#3
n-Nitrosodimethylamine
Concen: 0.303 ng
RT: 3.47 min Scan# 80
Delta R.T. -0.04 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Instrument :
BNA_N
ClientSampleId :
PB125417BS

Tgt Ion: 42 Resp: 1560

Ion	Ratio	Lower	Upper
42	100		
74	112.7	78.6	117.8
44	3.5	0.0	0.0#

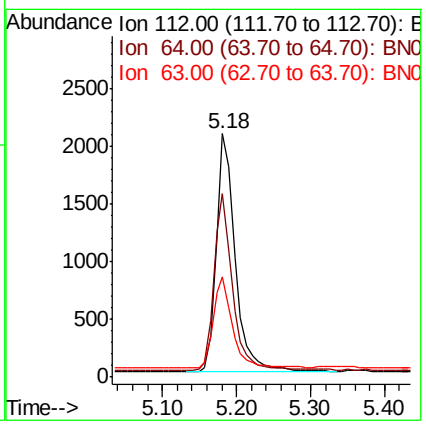


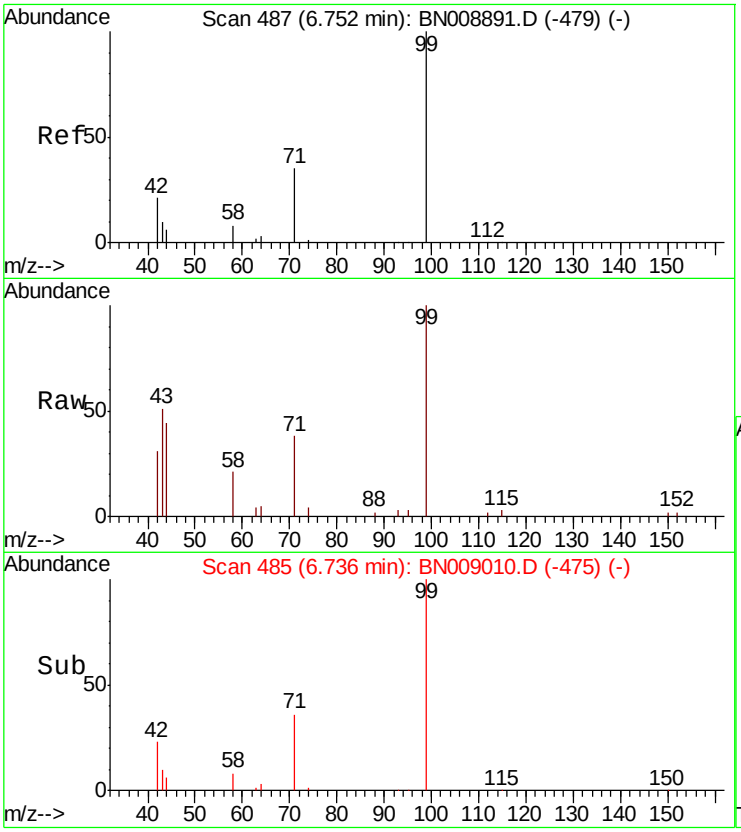


#4
2-Fluorophenol
Concen: 0.359 ng
RT: 5.18 min Scan# 292
Delta R.T. -0.02 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Tgt Ion:112 Resp: 3629

Ion	Ratio	Lower	Upper
112	100		
64	73.3	57.7	86.5
63	39.1	29.6	44.4



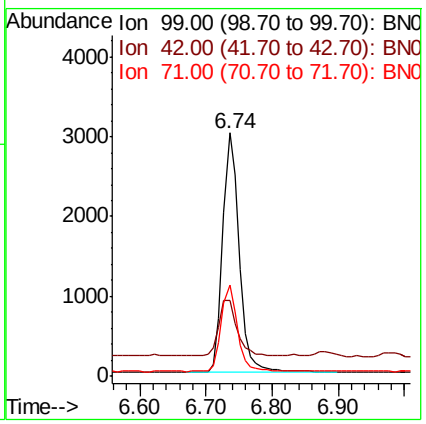


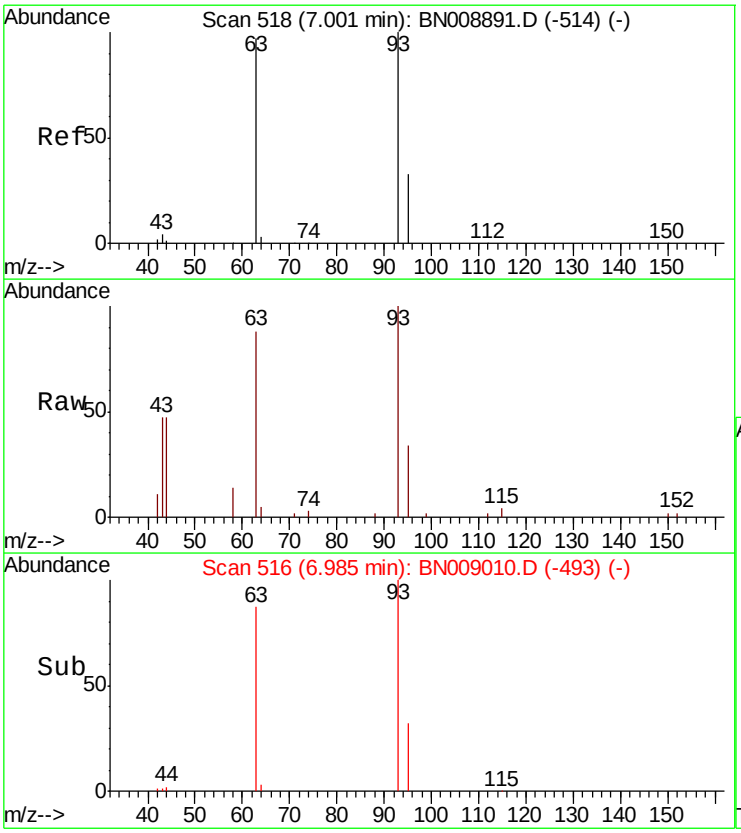
#5
Phenol-d6
Concen: 0.370 ng
RT: 6.74 min Scan# 485
Delta R.T. -0.02 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Instrument :
BNA_N
ClientSampleId :
PB125417BS

Tgt Ion: 99 Resp: 5179

Ion	Ratio	Lower	Upper
99	100		
42	25.8	20.1	30.1
71	35.6	28.2	42.2

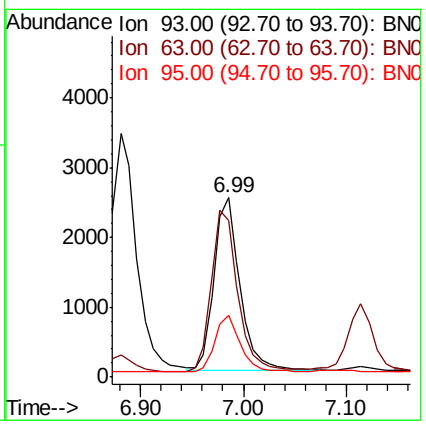


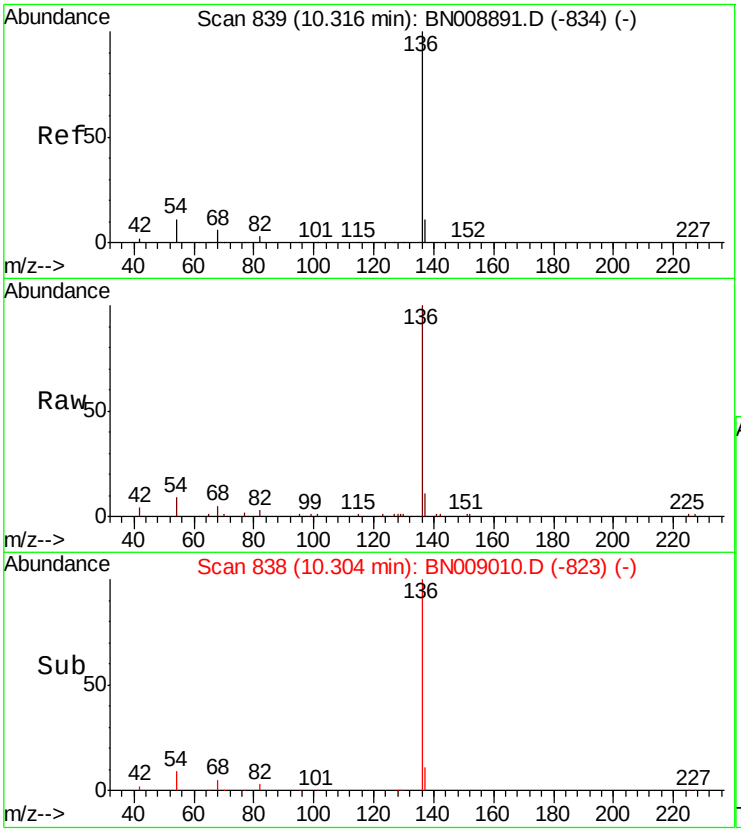


#6
bis(2-Chloroethyl)ether
Concen: 0.328 ng
RT: 6.99 min Scan# 516
Delta R.T. -0.02 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Tgt Ion: 93 Resp: 4317

Ion	Ratio	Lower	Upper
93	100		
63	95.6	73.5	110.3
95	32.6	26.0	39.0



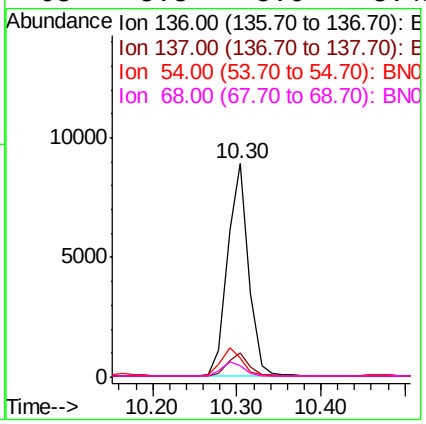


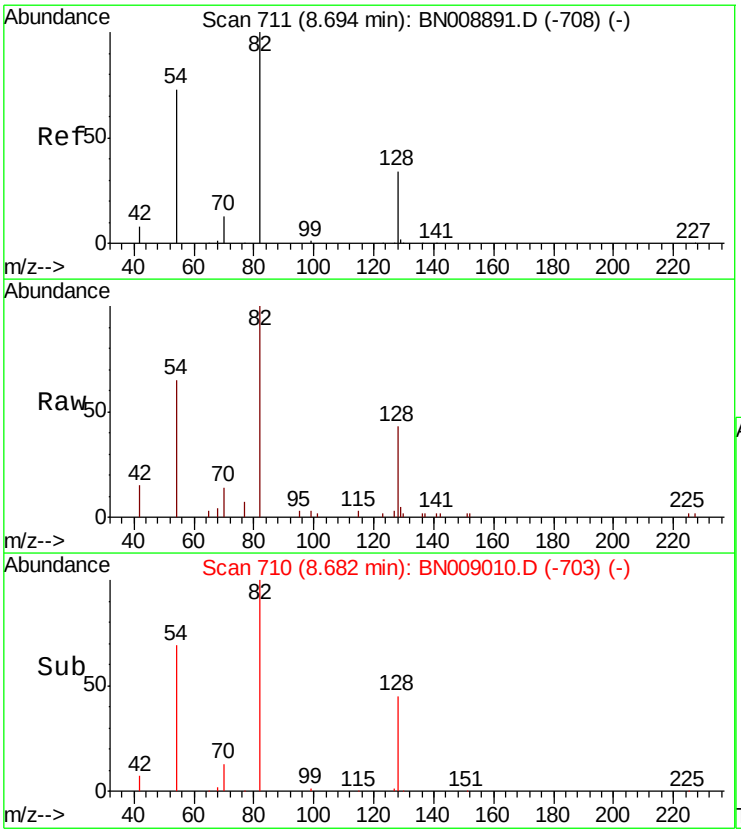
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.30 min Scan# 838
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Instrument :
BNA_N
ClientSampleId :
PB125417BS

Tgt Ion:136 Resp: 15307

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	9.3	9.6	14.4#
68	5.3	5.6	8.4#

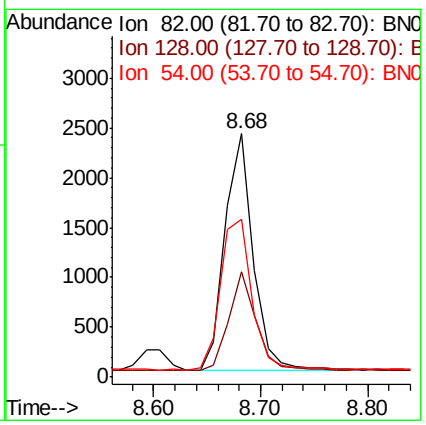


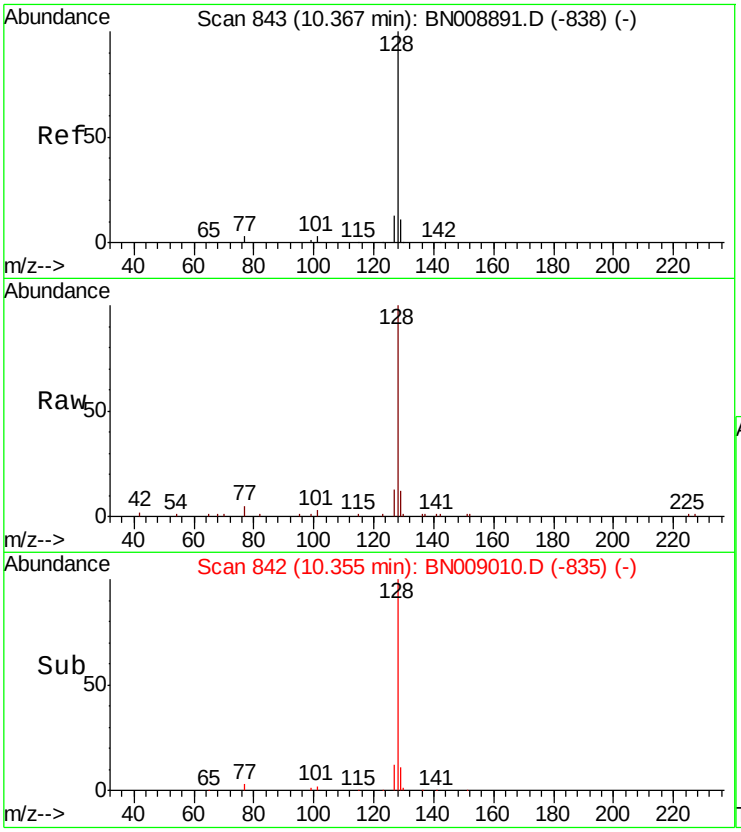


#8
Nitrobenzene-d5
Concen: 0.333 ng
RT: 8.68 min Scan# 710
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Tgt Ion: 82 Resp: 4325

Ion	Ratio	Lower	Upper
82	100		
128	43.2	29.1	43.7
54	64.8	59.7	89.5



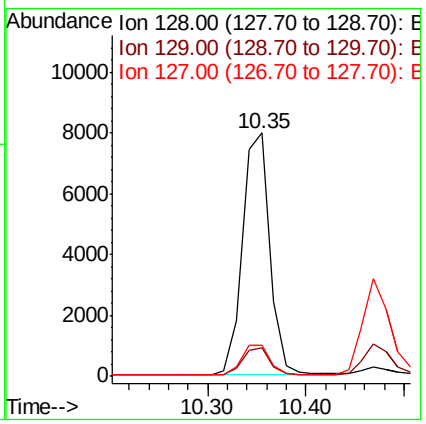


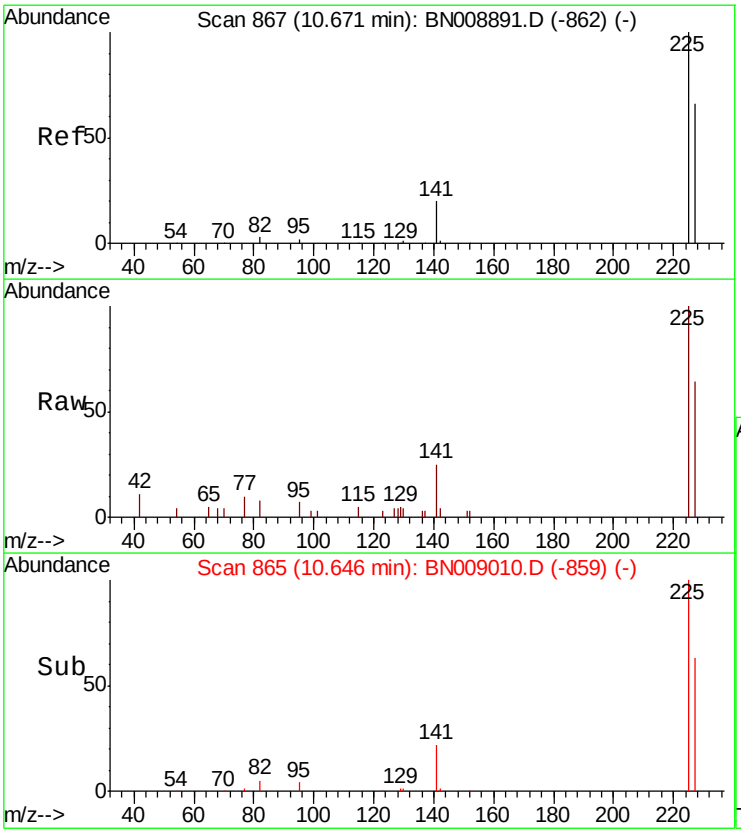
#9
Naphthalene
Concen: 0.365 ng
RT: 10.35 min Scan# 842
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Instrument :
BNA_N
ClientSampleId :
PB125417BS

Tgt Ion:128 Resp: 15240

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.4	14.0
127	12.8	10.8	16.2

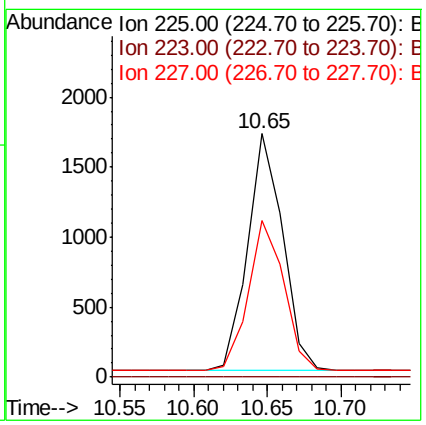


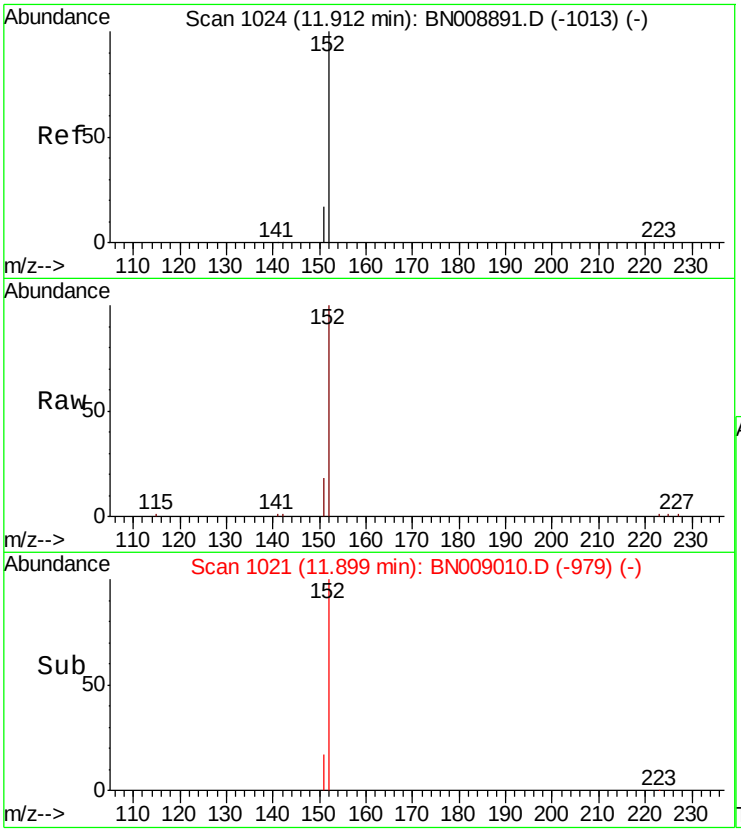


#10
Hexachlorobutadiene
Concen: 0.350 ng
RT: 10.65 min Scan# 865
Delta R.T. -0.03 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Tgt Ion:225 Resp: 2797

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.3	51.4	77.2



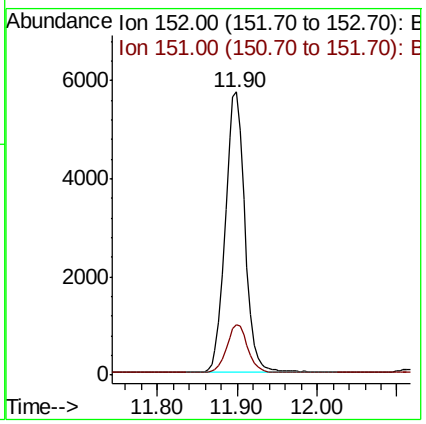


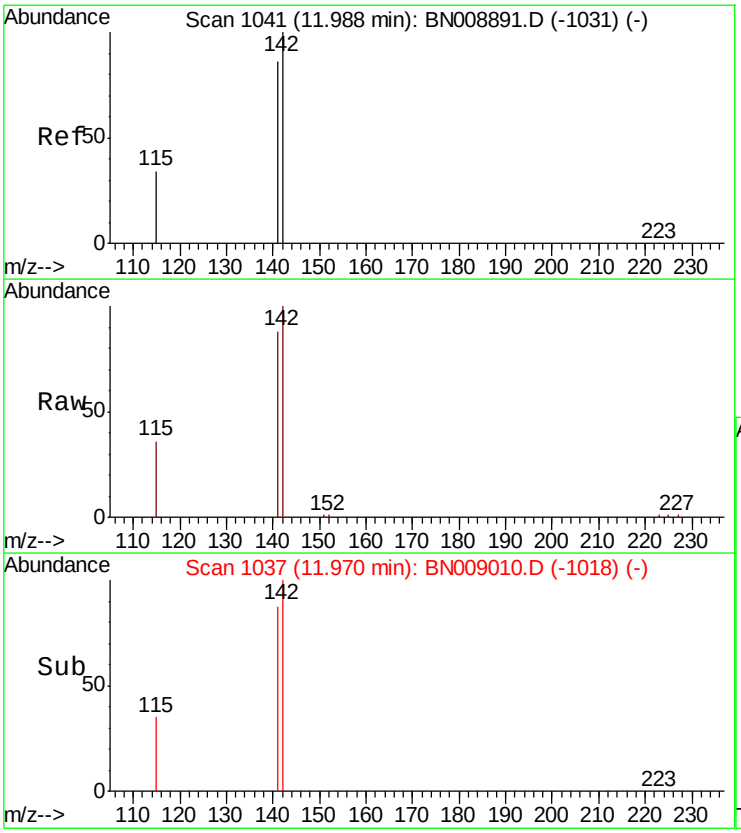
#11
2-Methylnaphthalene-d10
Concen: 0.373 ng
RT: 11.90 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Instrument :
BNA_N
ClientSampleId :
PB125417BS

Tgt Ion:152 Resp: 9772

Ion	Ratio	Lower	Upper
152	100		
151	18.2	15.2	22.8

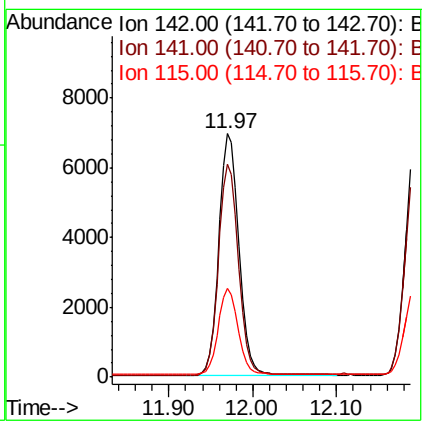


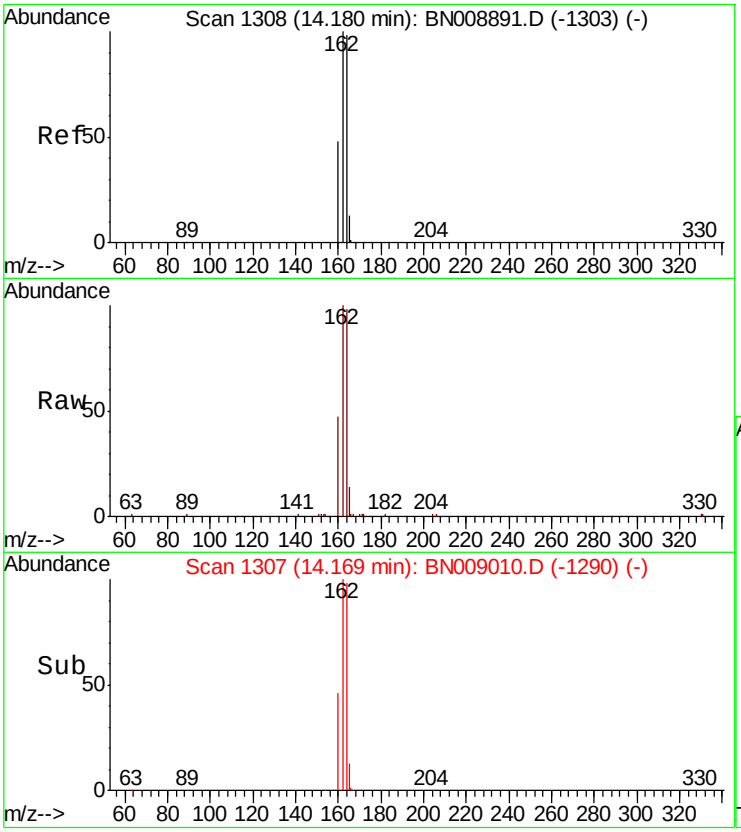


#12
2-Methylnaphthalene
Concen: 0.369 ng
RT: 11.97 min Scan# 1037
Delta R.T. -0.02 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Tgt Ion:142 Resp: 11471

Ion	Ratio	Lower	Upper
142	100		
141	87.5	69.3	103.9
115	36.3	27.9	41.9



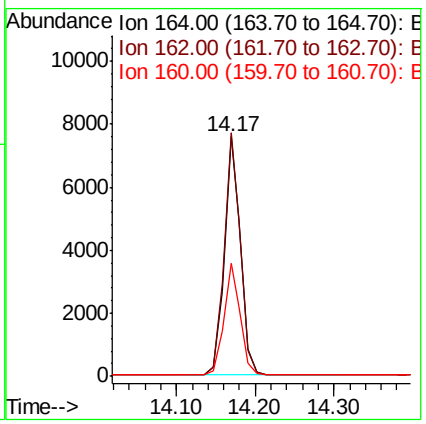


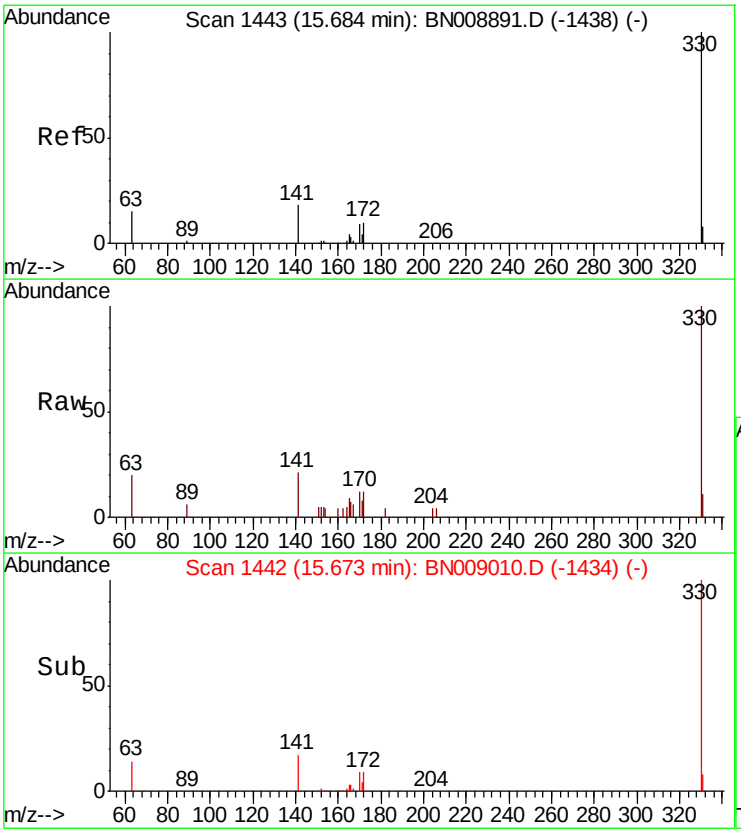
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.17 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Instrument :
BNA_N
ClientSampleId :
PB125417BS

Tgt Ion:164 Resp: 10916

Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.9	122.9
160	47.3	39.3	58.9

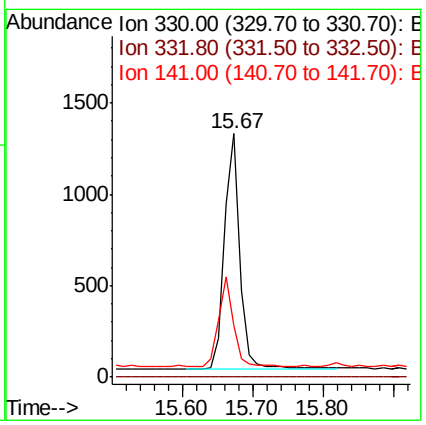


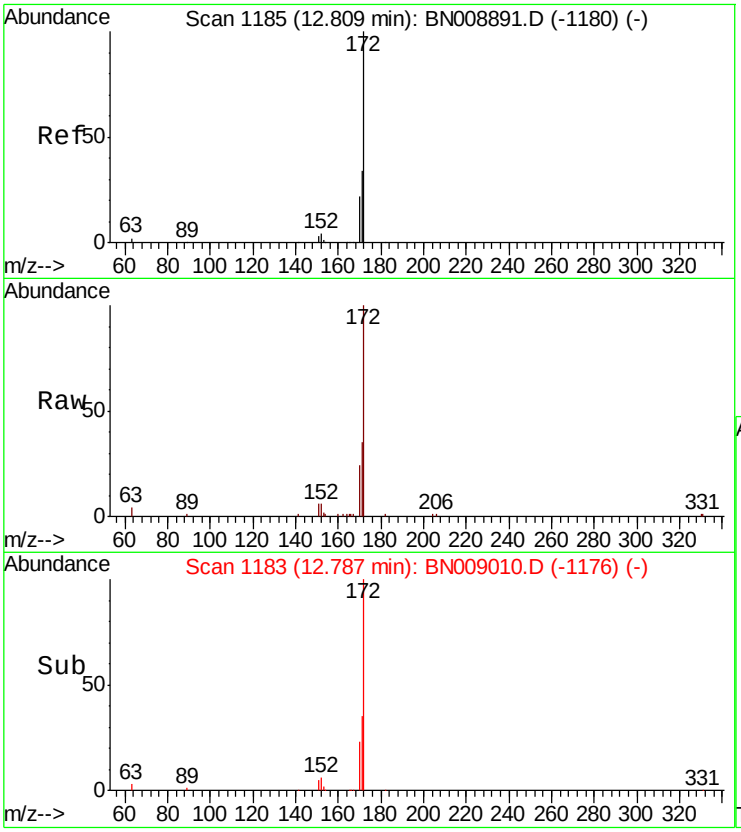


#14
2,4,6-Tribromophenol
Concen: 0.376 ng
RT: 15.67 min Scan# 1442
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Tgt Ion:330 Resp: 1969

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	38.1	29.6	44.4



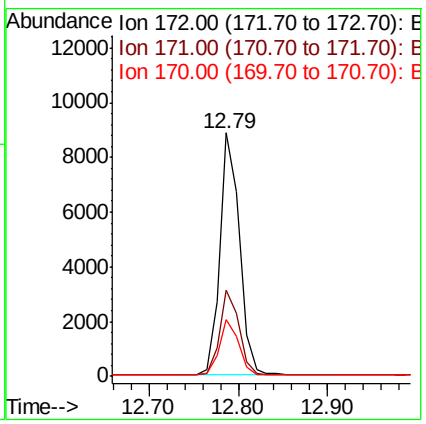


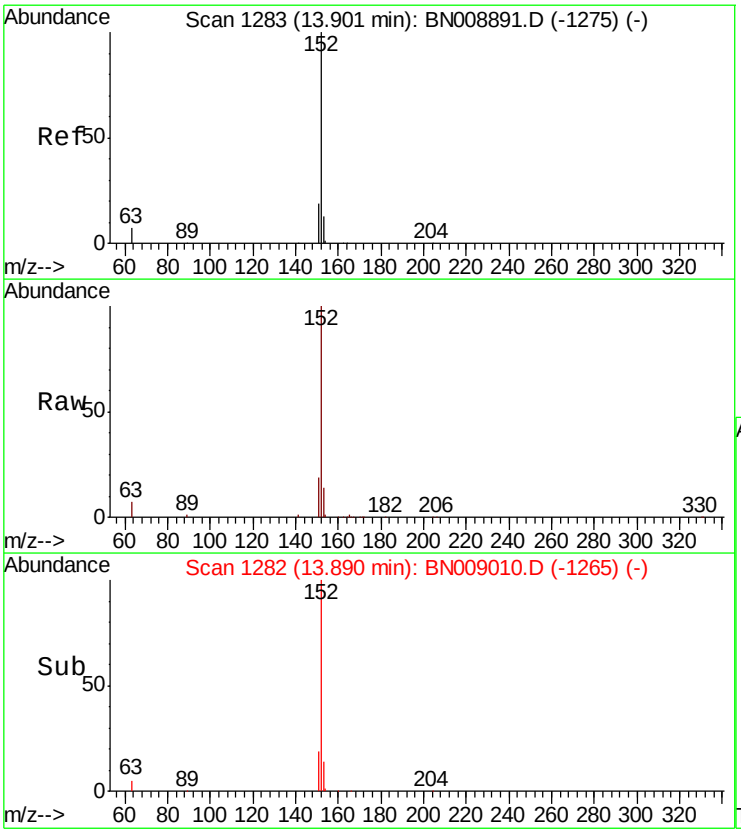
#15
2-Fluorobiphenyl
Concen: 0.328 ng
RT: 12.79 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Instrument :
BNA_N
ClientSampleId :
PB125417BS

Tgt Ion:172 Resp: 13615

Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.1	40.7
170	23.5	17.7	26.5

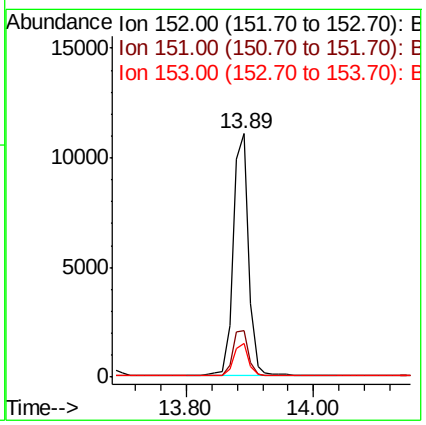


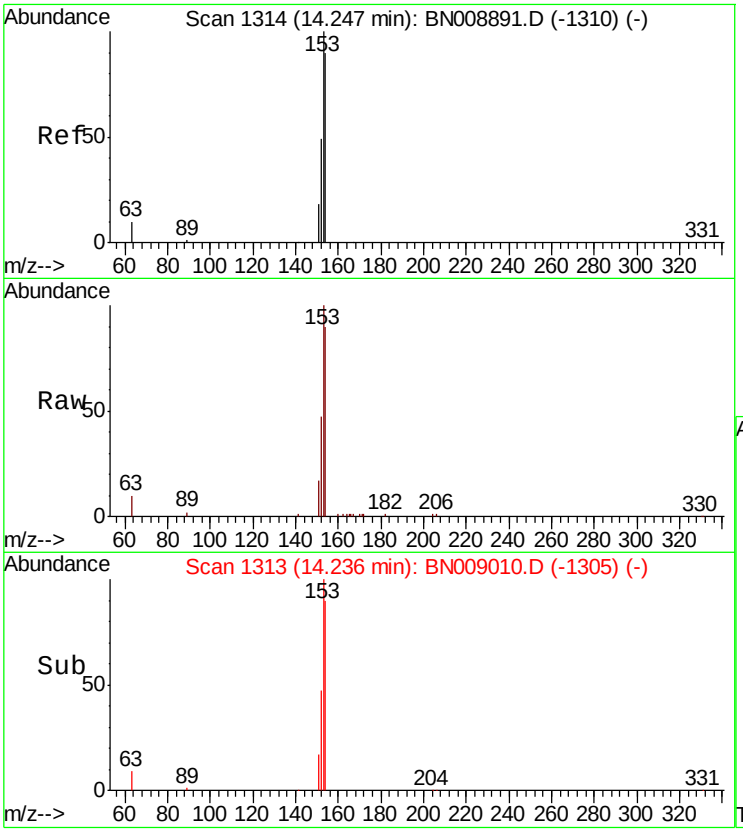


#16
Acenaphthylene
Concen: 0.374 ng
RT: 13.89 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Tgt Ion:152 Resp: 18664

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.3	22.9
153	13.1	10.3	15.5



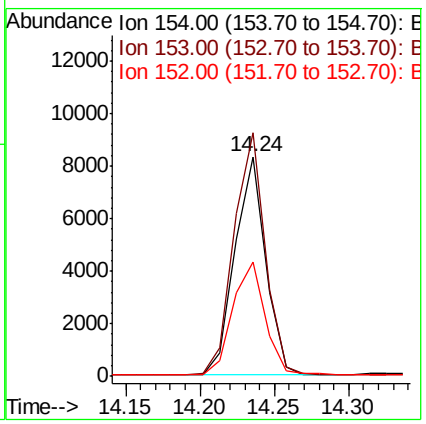


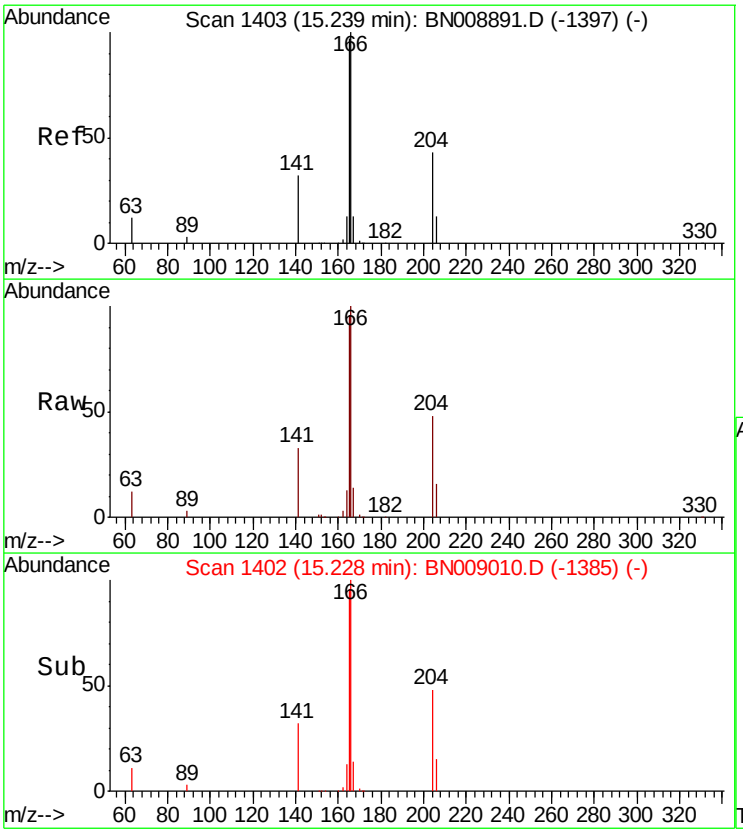
#17
Acenaphthene
Concen: 0.360 ng
RT: 14.24 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Instrument :
BNA_N
ClientSampleId :
PB125417BS

Tgt Ion:154 Resp: 11938

Ion	Ratio	Lower	Upper
154	100		
153	112.3	89.2	133.8
152	54.7	44.2	66.4

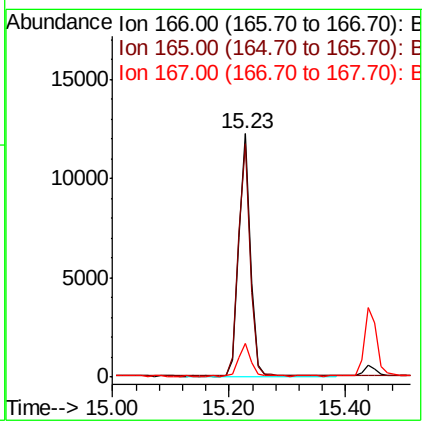


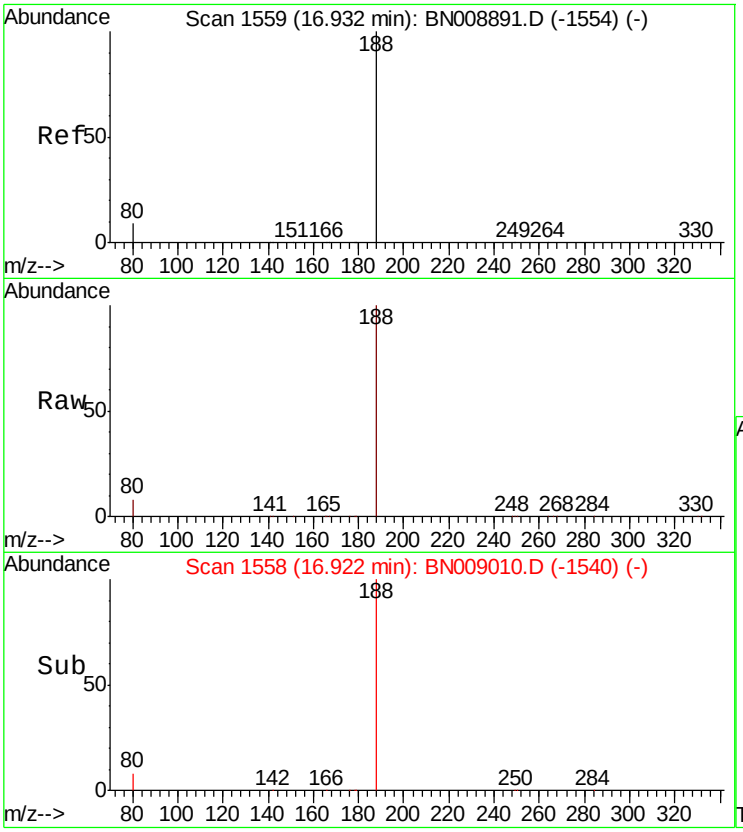


#18
Fluorene
Concen: 0.385 ng
RT: 15.23 min Scan# 1402
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Tgt Ion:166 Resp: 17157

Ion	Ratio	Lower	Upper
166	100		
165	96.4	77.3	115.9
167	13.6	10.8	16.2



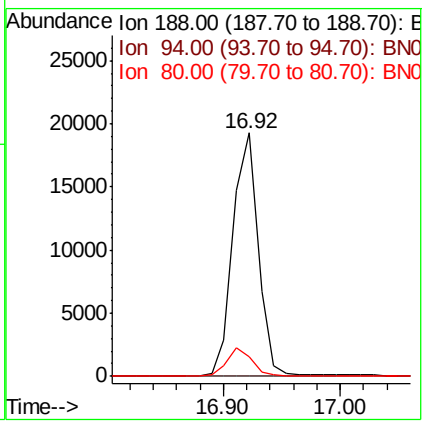


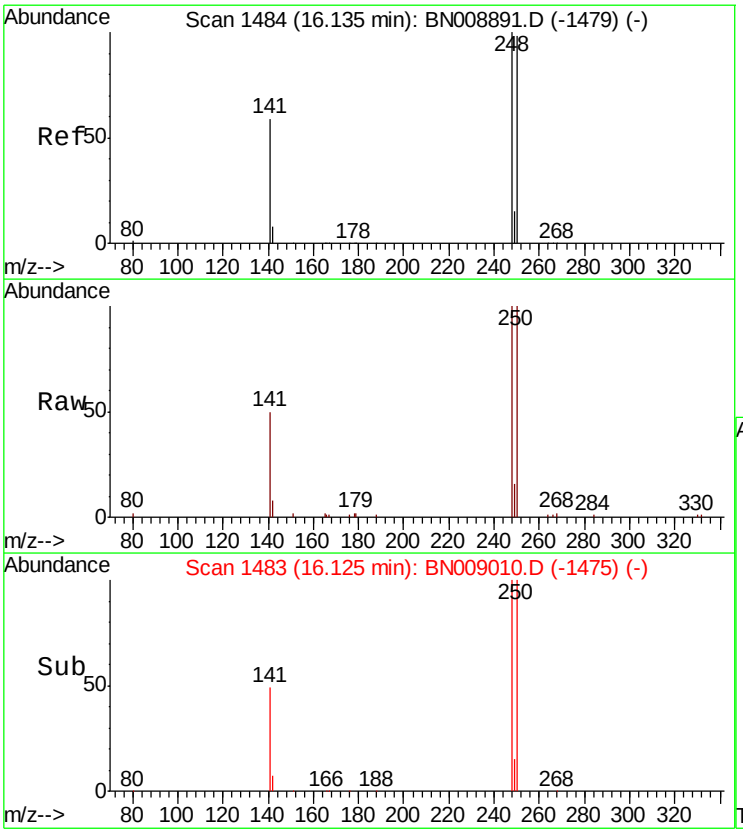
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.92 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Instrument :
BNA_N
ClientSampleId :
PB125417BS

Tgt Ion:188 Resp: 28552

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.2	7.3	10.9

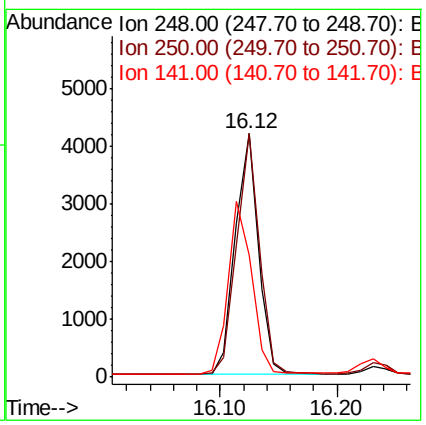


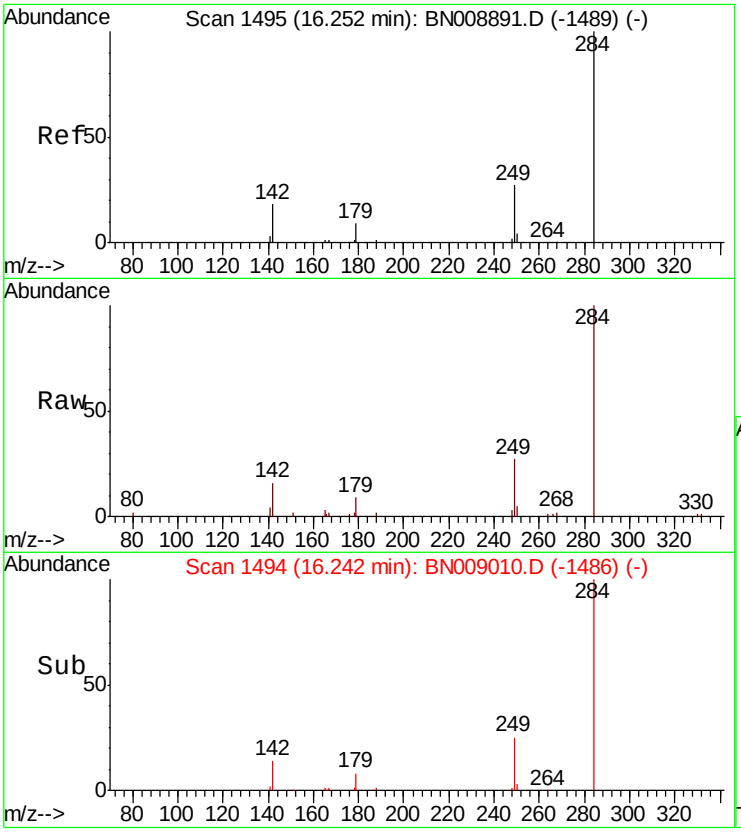


#20
4-Bromophenyl-phenylether
Concen: 0.333 ng
RT: 16.12 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Tgt Ion:248 Resp: 5692

Ion	Ratio	Lower	Upper
248	100		
250	100.0	78.7	118.1
141	50.3	47.9	71.9



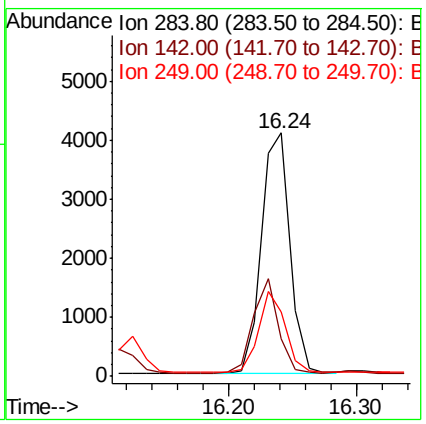


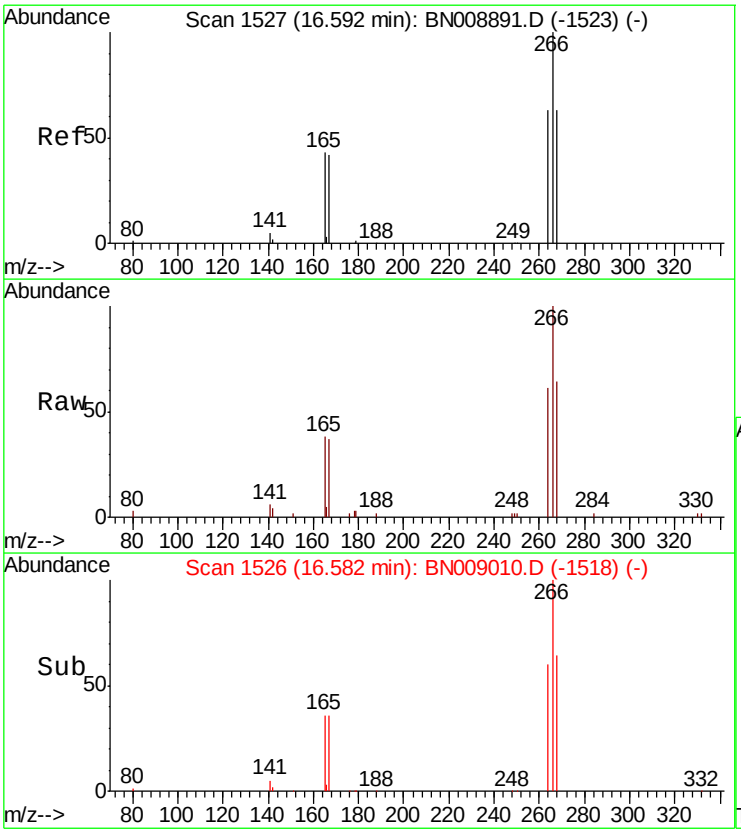
#21
Hexachlorobenzene
Concen: 0.325 ng
RT: 16.24 min Scan# 1494
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Instrument :
BNA_N
ClientSampleId :
PB125417BS

Tgt Ion:284 Resp: 6318

Ion	Ratio	Lower	Upper
284	100		
142	34.6	27.8	41.6
249	31.5	25.3	37.9

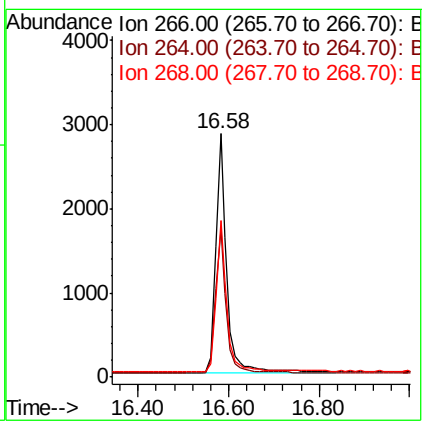


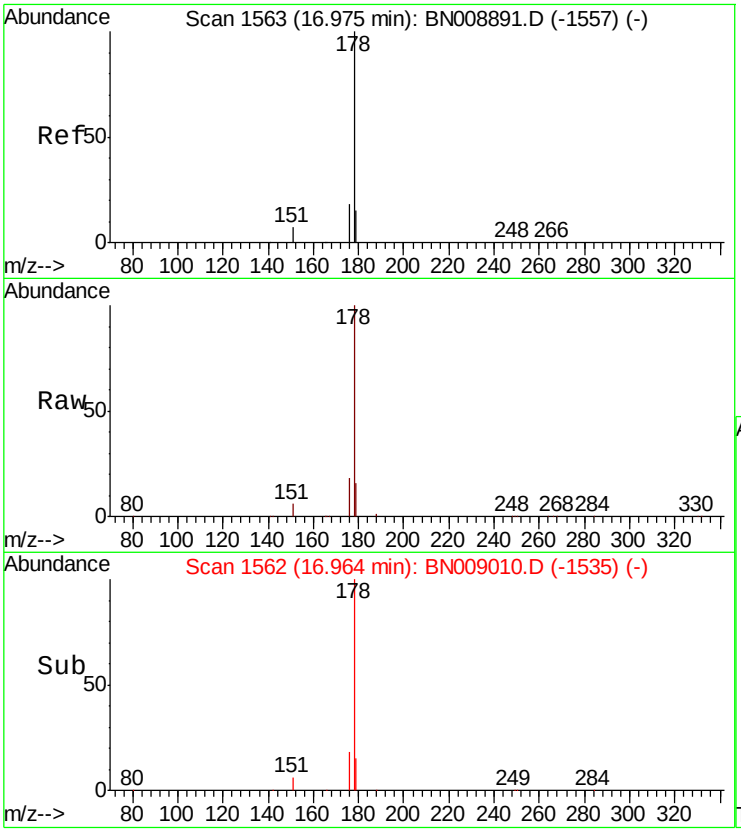


#22
Pentachlorophenol
Concen: 0.678 ng
RT: 16.58 min Scan# 1526
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Tgt Ion:266 Resp: 4755

Ion	Ratio	Lower	Upper
266	100		
264	60.7	51.5	77.3
268	64.5	53.1	79.7



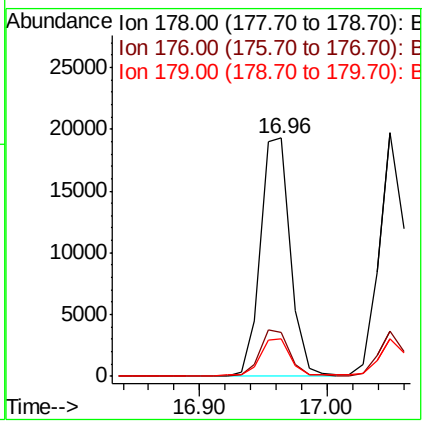


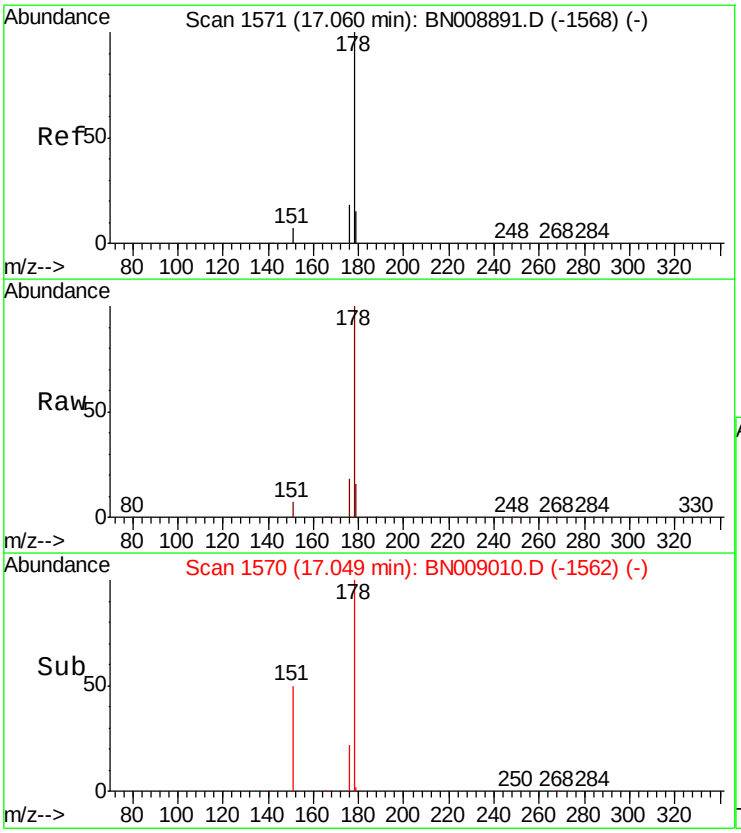
#23
Phenanthrene
Concen: 0.348 ng
RT: 16.96 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Instrument :
BNA_N
ClientSampleId :
PB125417BS

Tgt Ion:178 Resp: 31236

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

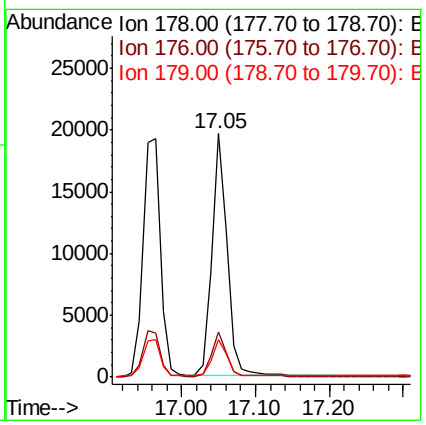


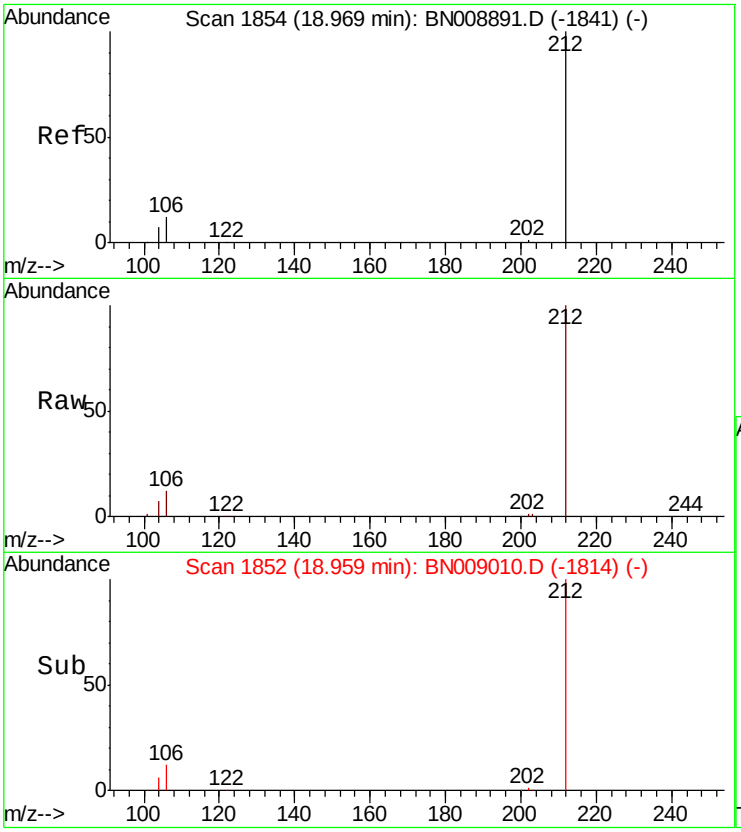


#24
Anthracene
Concen: 0.360 ng
RT: 17.05 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Tgt Ion:178 Resp: 28451

Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.4	21.6
179	15.2	12.1	18.1



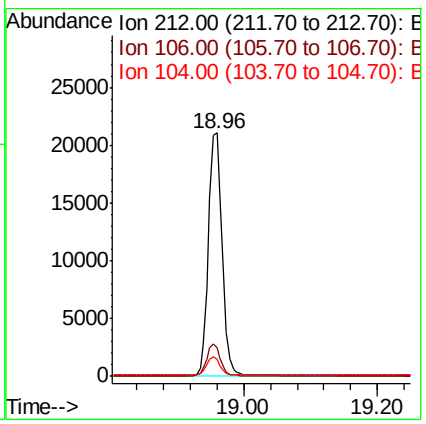


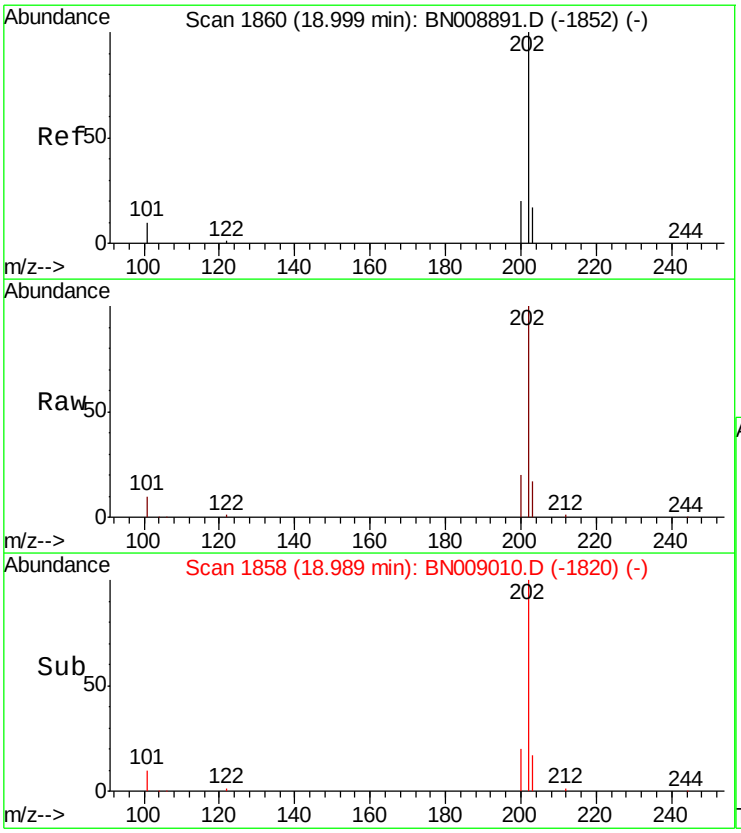
#25
Fluoranthene-d10
Concen: 0.344 ng
RT: 18.96 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Instrument :
BNA_N
ClientSampleId :
PB125417BS

Tgt Ion:212 Resp: 29755

Ion	Ratio	Lower	Upper
212	100		
106	12.8	10.4	15.6
104	7.3	5.9	8.9

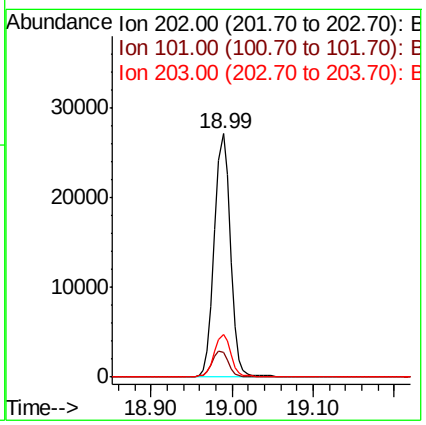


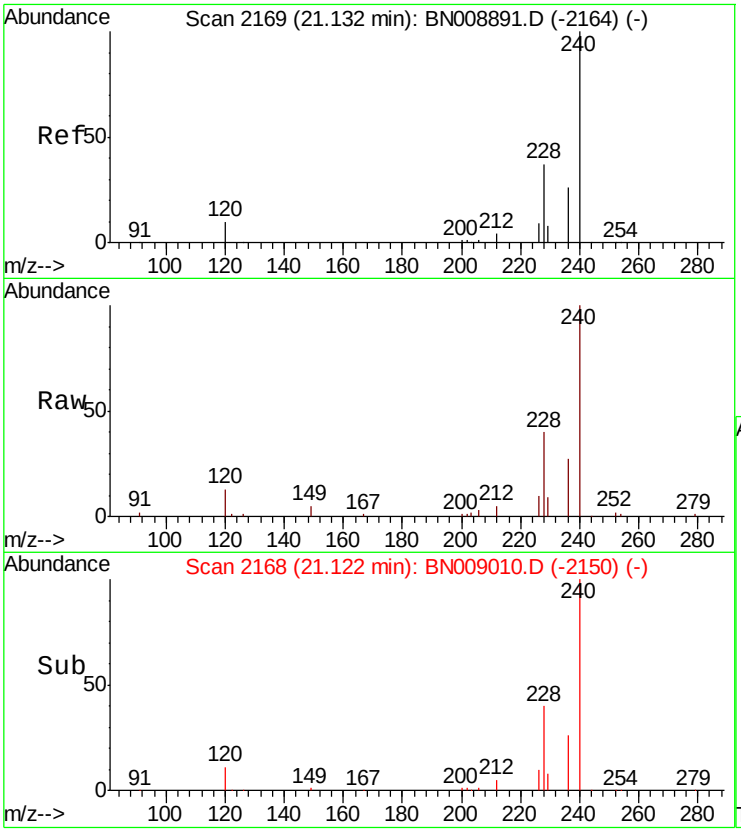


#26
Fluoranthene
Concen: 0.344 ng
RT: 18.99 min Scan# 1858
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Tgt Ion:202 Resp: 36793

Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.8	13.2
203	17.3	13.8	20.6



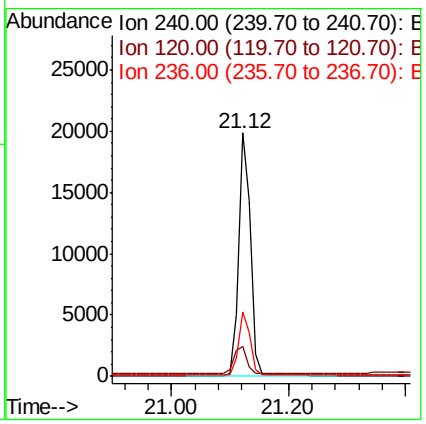


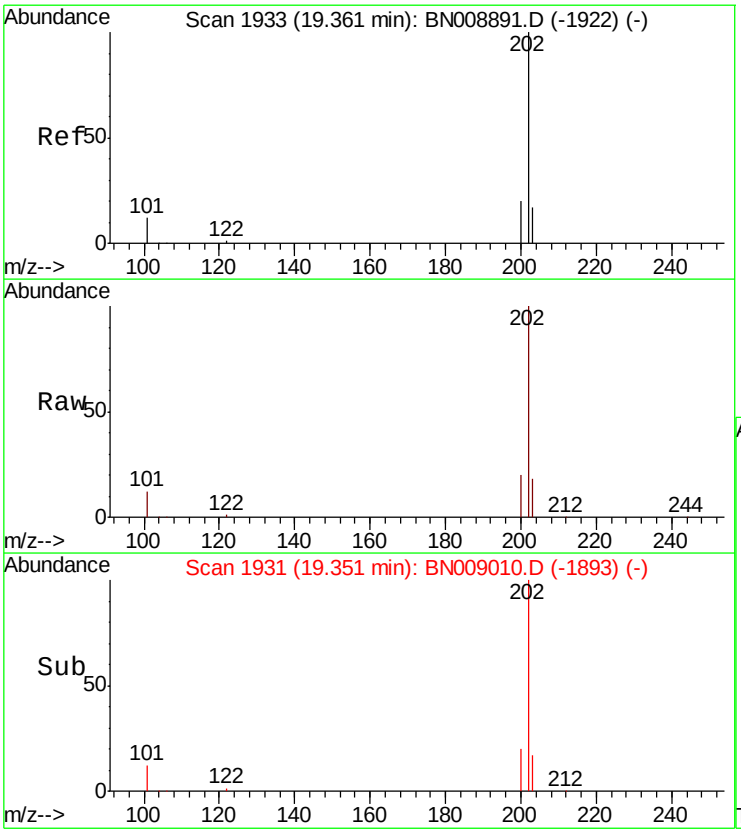
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.12 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Instrument :
BNA_N
ClientSampleId :
PB125417BS

Tgt Ion:240 Resp: 26512

Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.1	13.7
236	26.6	21.5	32.3

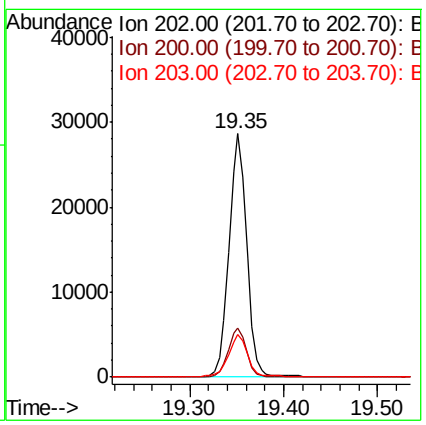


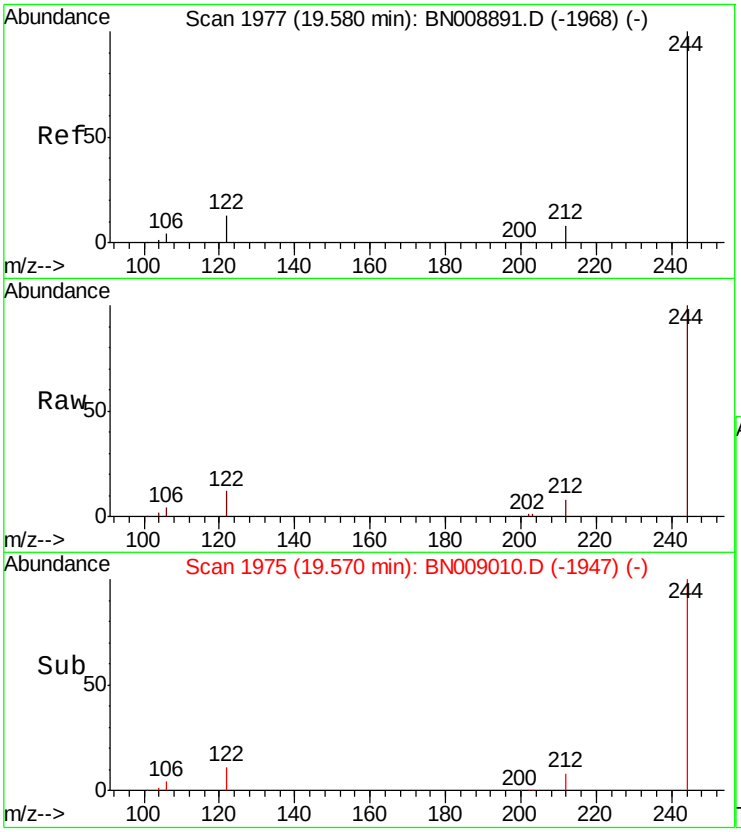


#28
Pyrene
Concen: 0.399 ng
RT: 19.35 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Tgt Ion:202 Resp: 37061

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.1	24.1
203	18.1	13.9	20.9



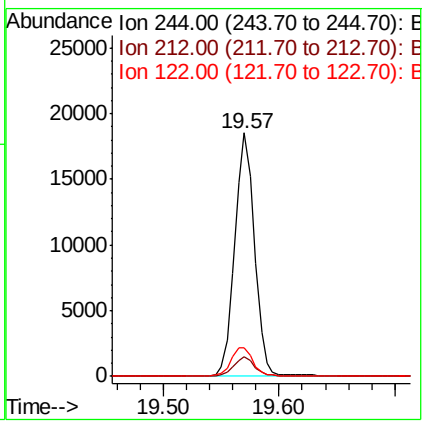


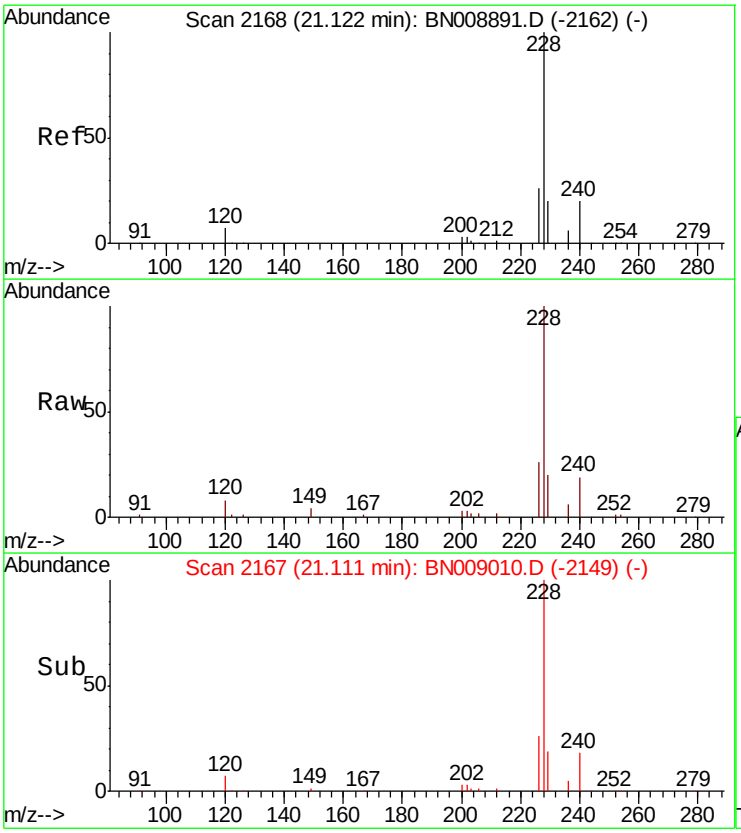
#29
Terphenyl-d14
Concen: 0.361 ng
RT: 19.57 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Instrument :
BNA_N
ClientSampleId :
PB125417BS

Tgt Ion:244 Resp: 21850

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.5	9.7
122	11.7	10.4	15.6

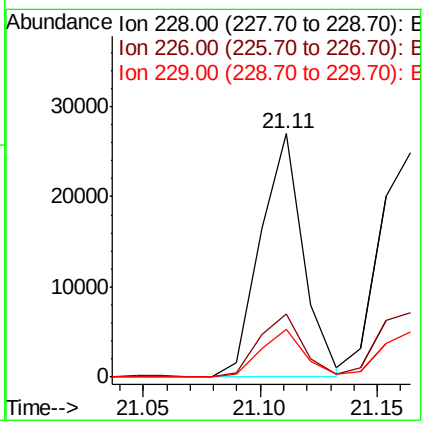


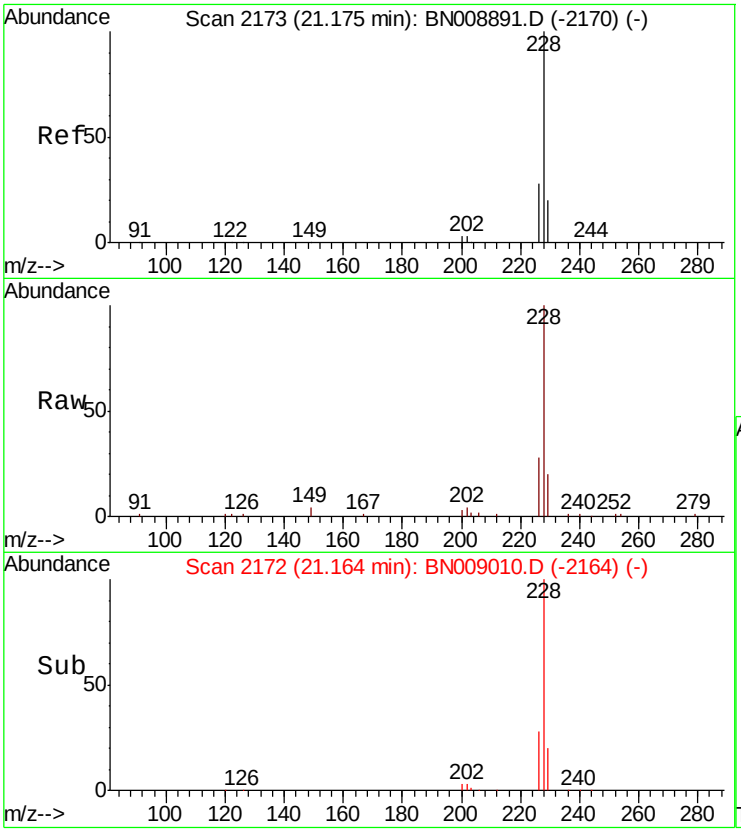


#30
Benzo(a)anthracene
Concen: 0.364 ng
RT: 21.11 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Tgt Ion:228 Resp: 34263

Ion	Ratio	Lower	Upper
228	100		
226	26.1	20.6	30.8
229	19.6	15.9	23.9



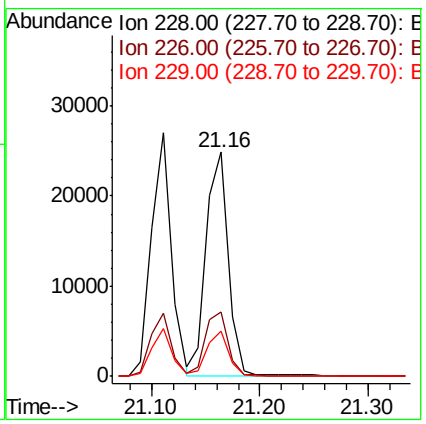


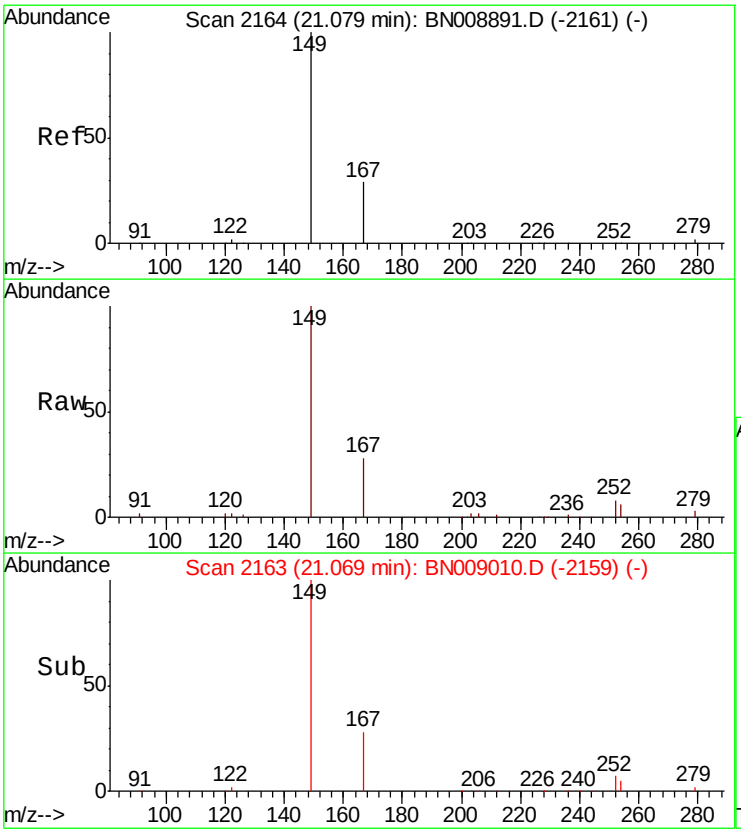
#31
Chrysene
Concen: 0.360 ng
RT: 21.16 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Instrument :
BNA_N
ClientSampleId :
PB125417BS

Tgt Ion:228 Resp: 35099

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.2	33.4
229	20.2	15.9	23.9

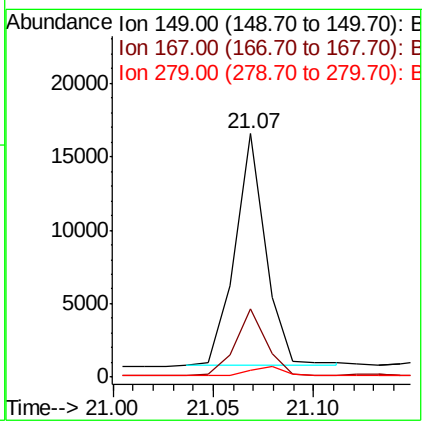


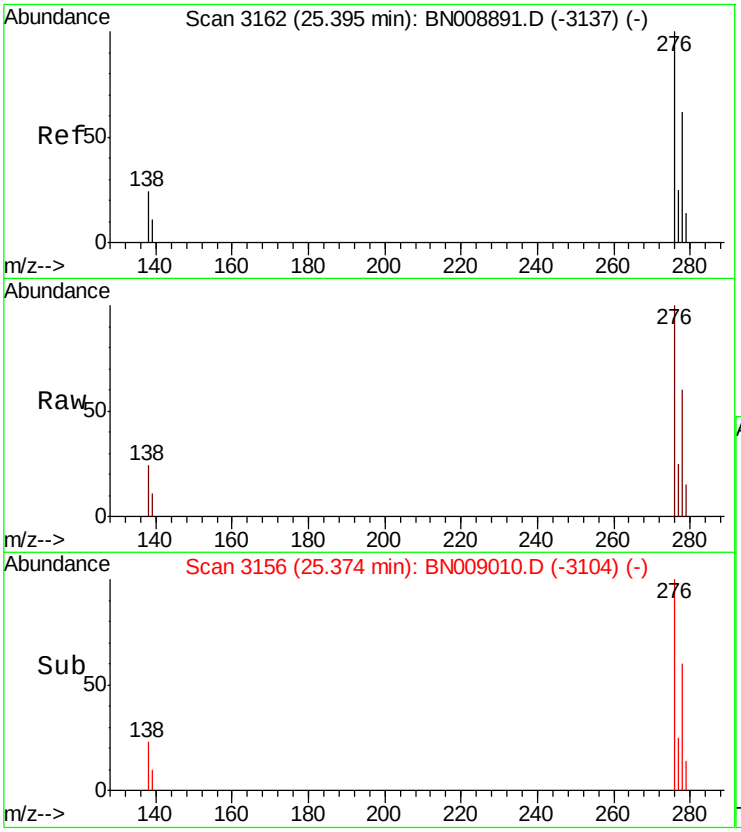


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.383 ng
RT: 21.07 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Tgt Ion:149 Resp: 16863

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.7	34.1
279	4.1	3.3	4.9



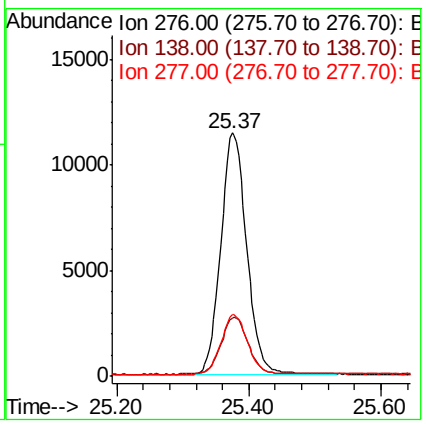


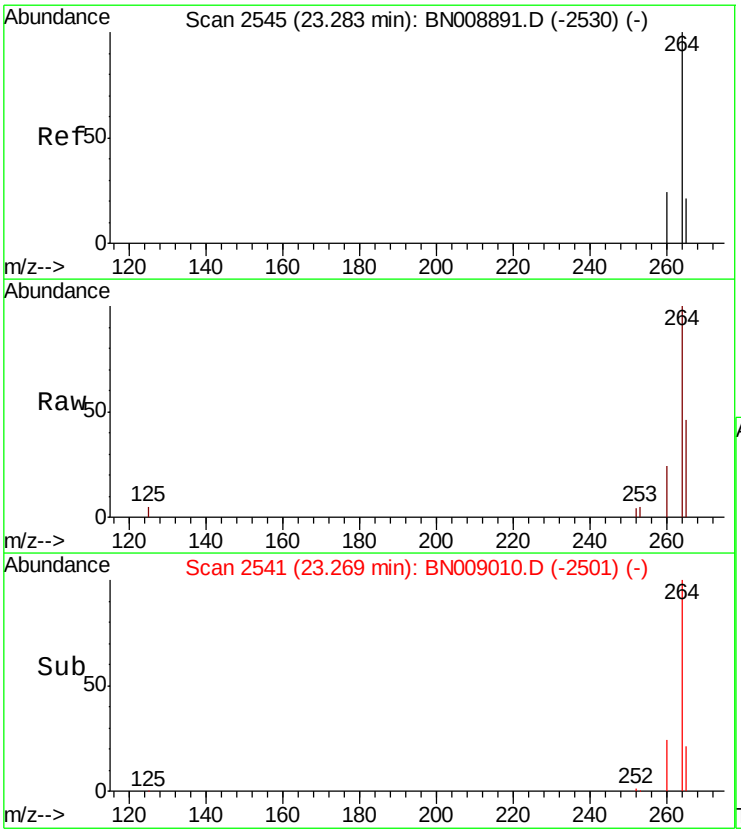
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.305 ng
RT: 25.37 min Scan# 3156
Delta R.T. -0.02 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Instrument :
BNA_N
ClientSampleId :
PB125417BS

Tgt Ion:276 Resp: 31508

Ion	Ratio	Lower	Upper
276	100		
138	24.4	19.9	29.9
277	24.8	19.8	29.8

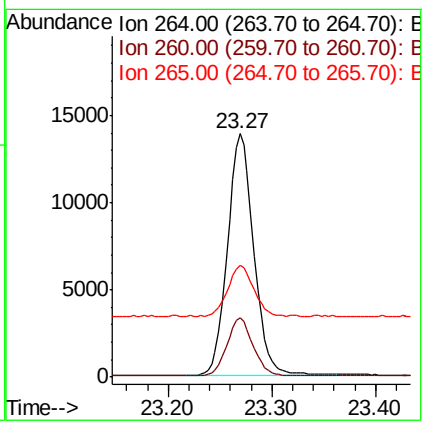


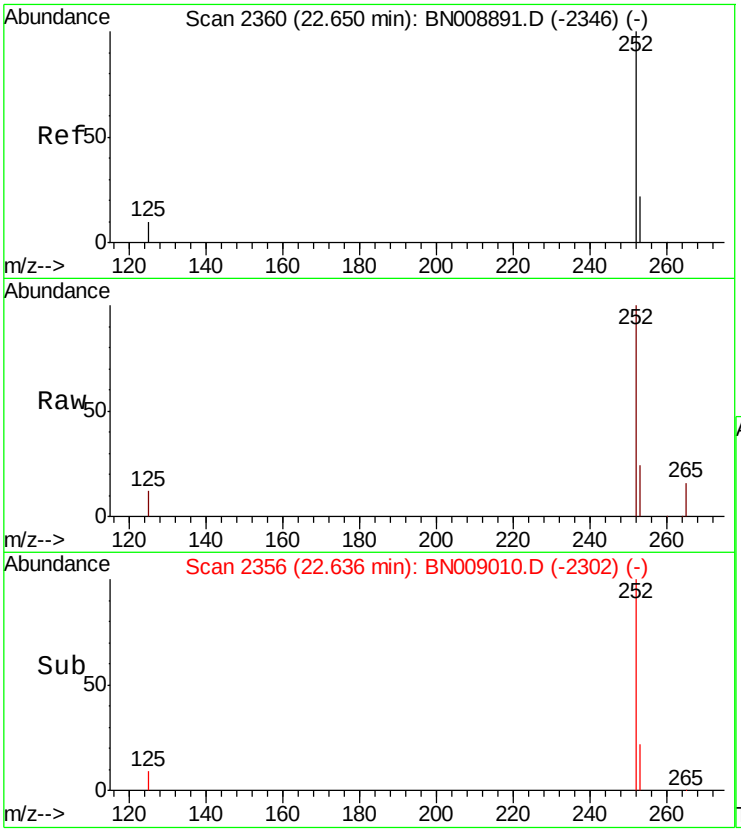


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.27 min Scan# 2541
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Tgt Ion:264 Resp: 24355

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.0
265	46.0	47.5	71.3#



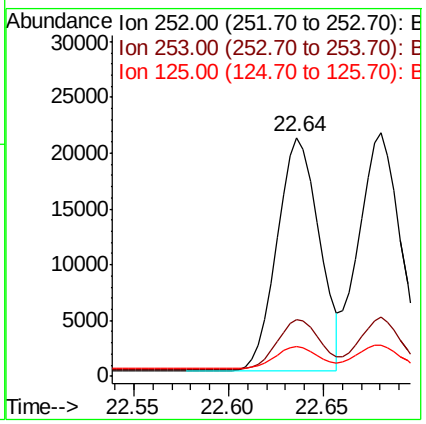


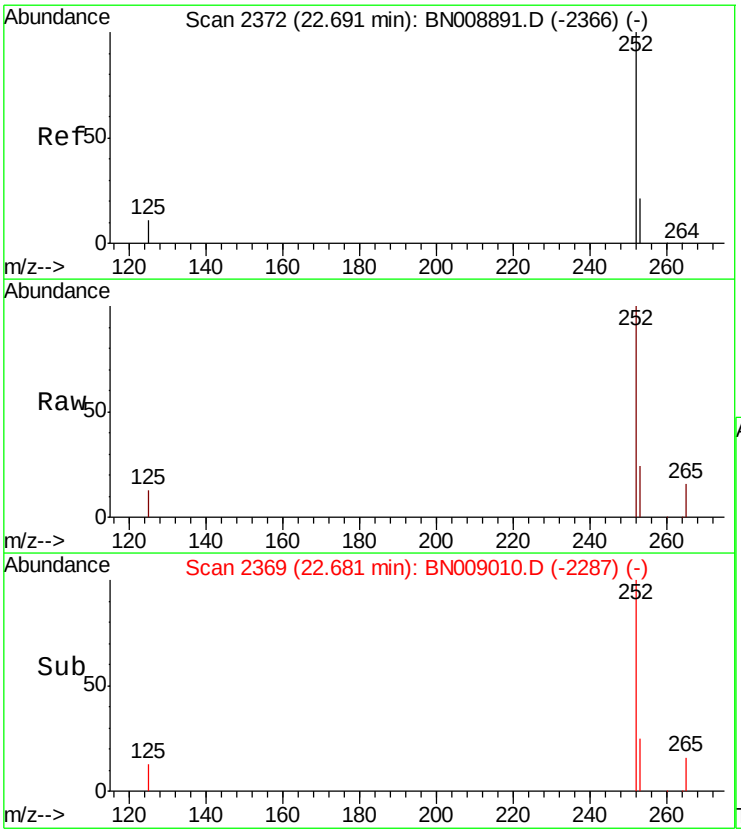
#35
Benzo(b)fluoranthene
Concen: 0.369 ng
RT: 22.64 min Scan# 2356
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Instrument :
BNA_N
ClientSampleId :
PB125417BS

Tgt Ion:252 Resp: 32218

Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.8	29.6
125	12.4	10.8	16.2

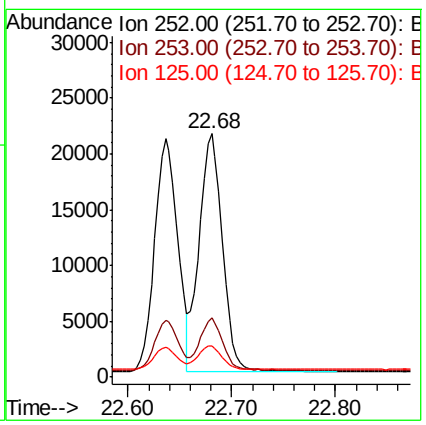


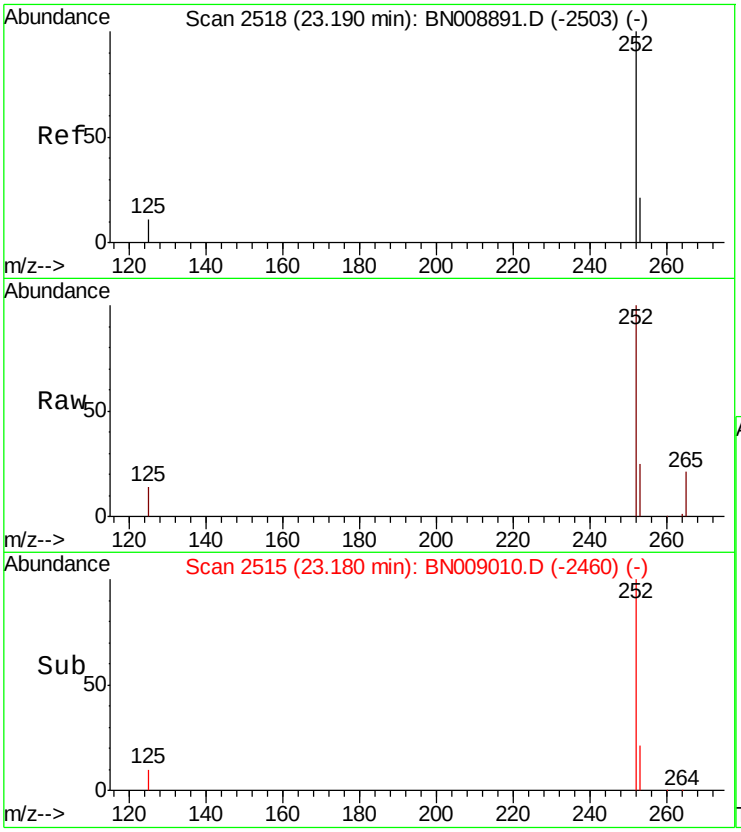


#36
Benzo(k)fluoranthene
Concen: 0.379 ng
RT: 22.68 min Scan# 2369
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Tgt Ion:252 Resp: 33277

Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.2	28.8
125	12.9	11.6	17.4



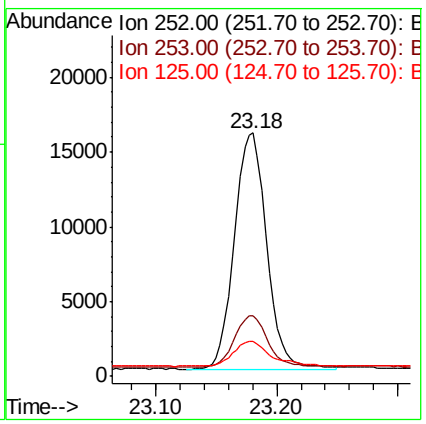


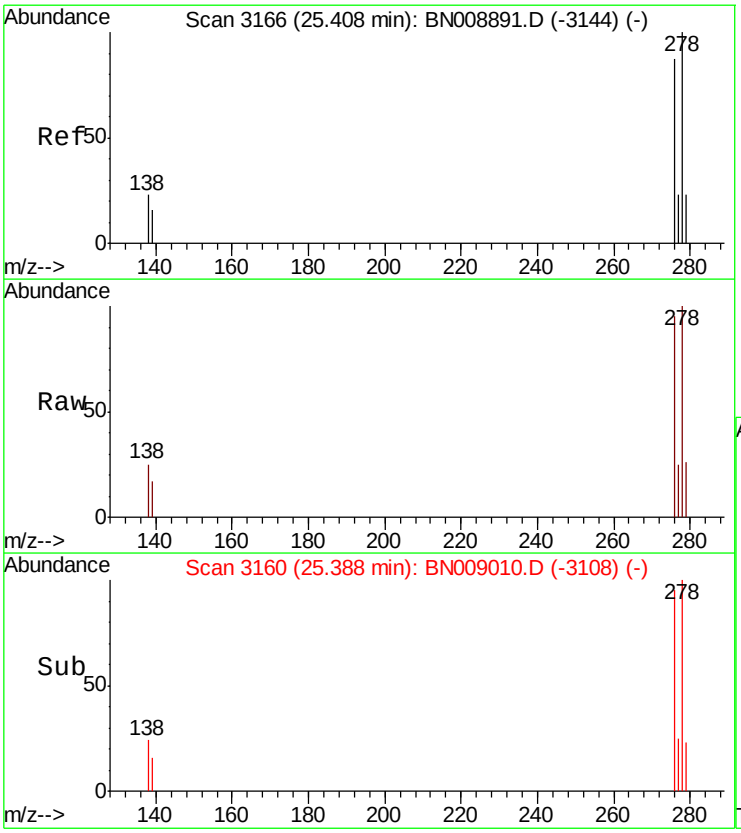
#37
Benzo(a)pyrene
Concen: 0.374 ng
RT: 23.18 min Scan# 2515
Delta R.T. -0.01 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Instrument :
BNA_N
ClientSampleId :
PB125417BS

Tgt Ion:252 Resp: 29319

Ion	Ratio	Lower	Upper
252	100		
253	24.7	19.9	29.9
125	14.3	12.3	18.5

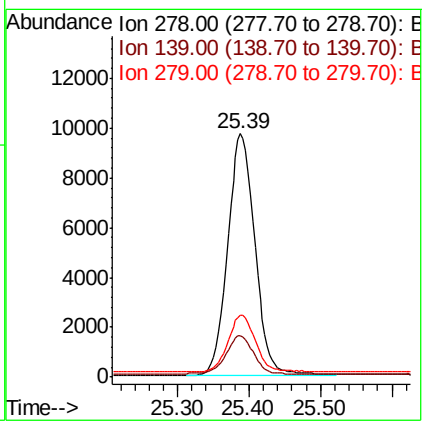


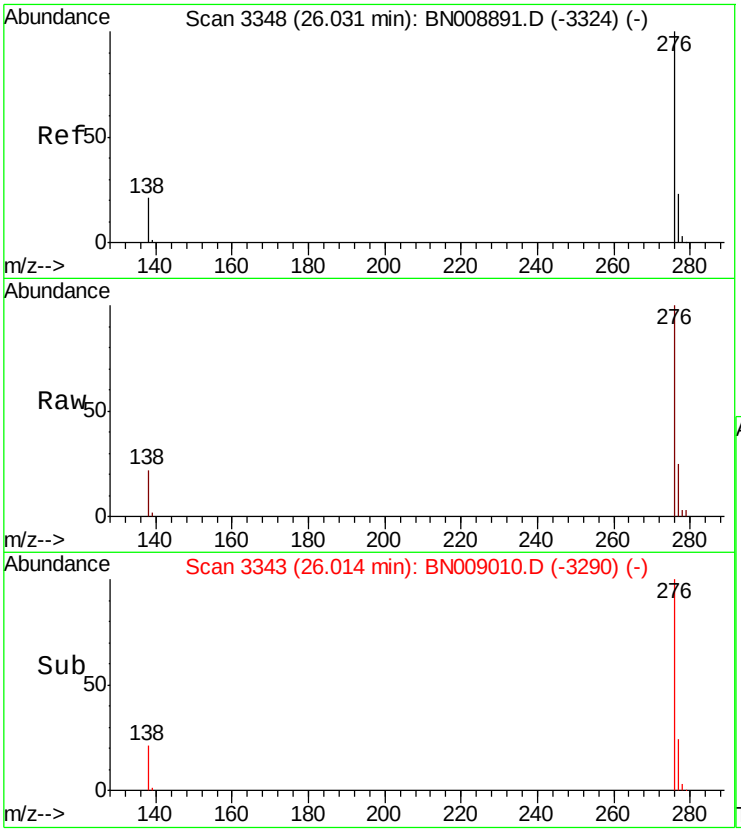


#38
Dibenzo(a,h)anthracene
Concen: 0.350 ng
RT: 25.39 min Scan# 3160
Delta R.T. -0.02 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Tgt Ion:278 Resp: 25705

Ion	Ratio	Lower	Upper
278	100		
139	17.2	13.9	20.9
279	25.6	20.2	30.4





#39
Benzo(g,h,i)perylene
Concen: 0.371 ng
RT: 26.01 min Scan# 3343
Delta R.T. -0.02 min
Lab File: BN009010.D
Acq: 17 Dec 2019 11:17

Instrument :
BNA_N
ClientSampleId :
PB125417BS

Tgt Ion:276 Resp: 26890

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.4	29.2
138	22.0	17.8	26.6