Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022120\
Data File : BN009810.D
Acq On : 21 Feb 2020 16:39
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

Quant Time: Feb 21 17:09:38 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 19 15:57:43 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	1106	0.40	ng		-0.02
7) Naphthalene-d8	10.15	136	3810	0.40	ng		-0.03
13) Acenaphthene-d10	14.03	164	2516	0.40	ng		-0.02
19) Phenanthrene-d10	16.79	188	5504	0.40	ng		-0.02
27) Chrysene-d12	21.02	240	4882	0.40	ng		-0.02
34) Perylene-d12	23.13	264	5251	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.06	112	1008	0.41	ng		-0.02
5) Phenol-d6	6.62	99	1089	0.36	ng		-0.02
8) Nitrobenzene-d5	8.57	82	1117	0.35	ng		-0.03
11) 2-Methylnaphthalene-d10	11.76	152	2876	0.39	ng		-0.03
14) 2,4,6-Tribromophenol	15.56	330	344	0.35	ng		-0.02
15) 2-Fluorobiphenyl	12.65	172	3609	0.38	ng		-0.03
25) Fluoranthene-d10	18.84	212	6945	0.36	ng		-0.02
29) Terphenyl-d14	19.46	244	4399	0.38	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.07	88	451	0.398	ng		92
3) n-Nitrosodimethylamine	3.42	42	770	0.414	ng	#	93
6) bis(2-Chloroethyl)ether	6.86	93	1225	0.421	ng		93
9) Naphthalene	10.20	128	4046	0.389	ng		98
10) Hexachlorobutadiene	10.48	225	906	0.396	ng	#	97
12) 2-Methylnaphthalene	11.83	142	2801	0.393	ng		99
16) Acenaphthylene	13.76	152	3939	0.367	ng		100
17) Acenaphthene	14.10	154	2885	0.383	ng		99
18) Fluorene	15.10	166	3696	0.371	ng		99
20) 4-Bromophenyl-phenylether	16.01	248	820	0.149	ng	#	87
21) Hexachlorobenzene	16.11	284	1330	0.388	ng		98
22) Pentachlorophenol	16.50	266	269	0.413	ng		98
23) Phenanthrene	16.84	178	6034	0.368	ng		100
24) Anthracene	16.94	178	4932	0.356	ng		99
26) Fluoranthene	18.87	202	7072	0.361	ng		100
28) Pyrene	19.24	202	7261	0.392	ng		100
30) Benzo(a)anthracene	21.00	228	5995	0.370	ng		100
31) Chrysene	21.06	228	7279	0.388	ng		97
32) Bis(2-ethylhexyl)phthalate	20.95	149	3764	0.476	ng		97
33) Indeno(1,2,3-cd)pyrene	25.18	276	7754	0.397	ng		97
35) Benzo(b)fluoranthene	22.51	252	6693	0.349	ng	#	94
36) Benzo(k)fluoranthene	22.55	252	7597	0.363	ng		99
37) Benzo(a)pyrene	23.04	252	6738	0.385	ng	#	80
38) Dibenzo(a,h)anthracene	25.19	278	5868	0.340	ng		98
39) Benzo(g,h,i)perylene	25.81	276	6841	0.372	ng		98

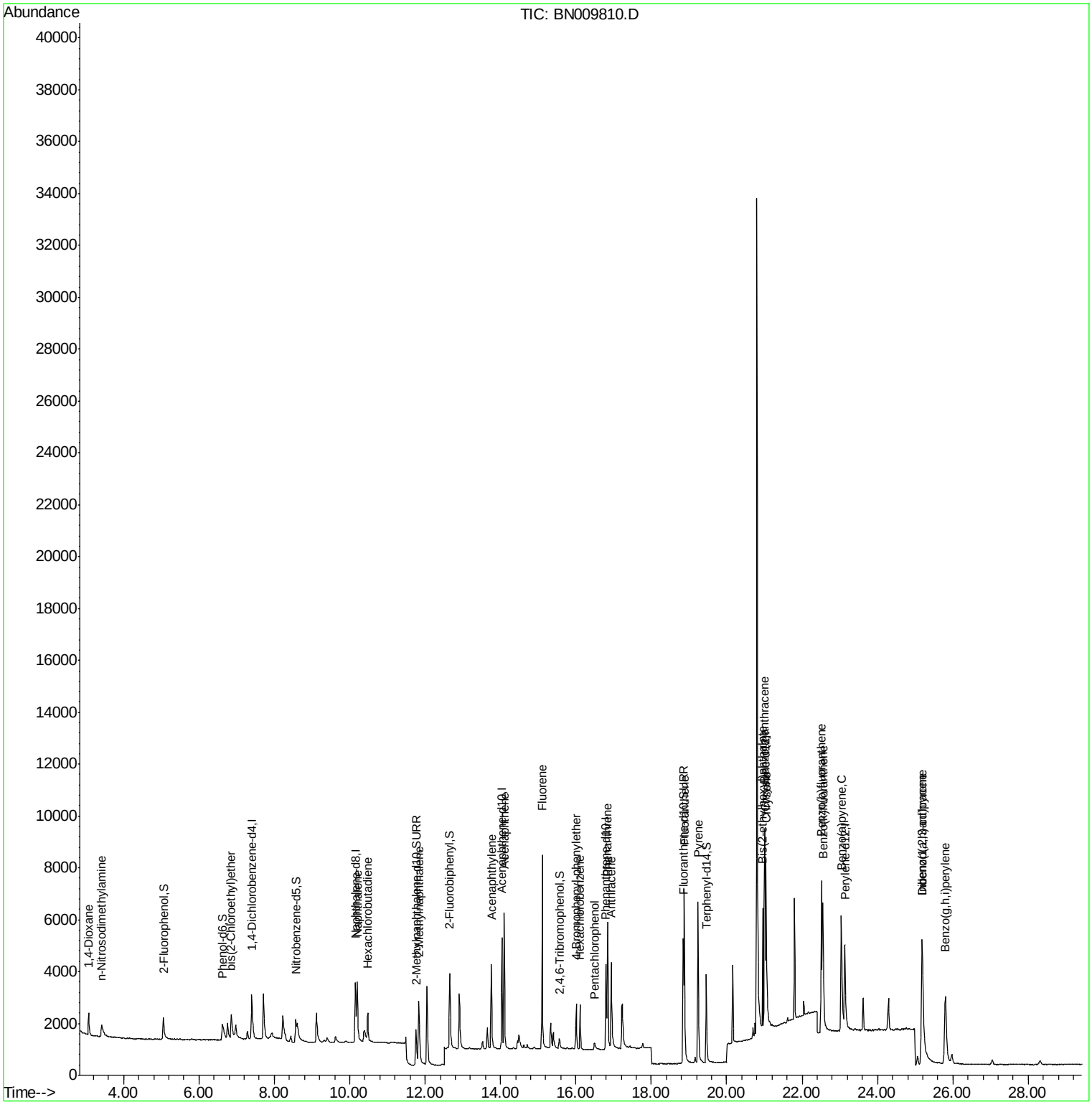
(#) = qualifier out of range (m) = manual integration (+) = signals summed

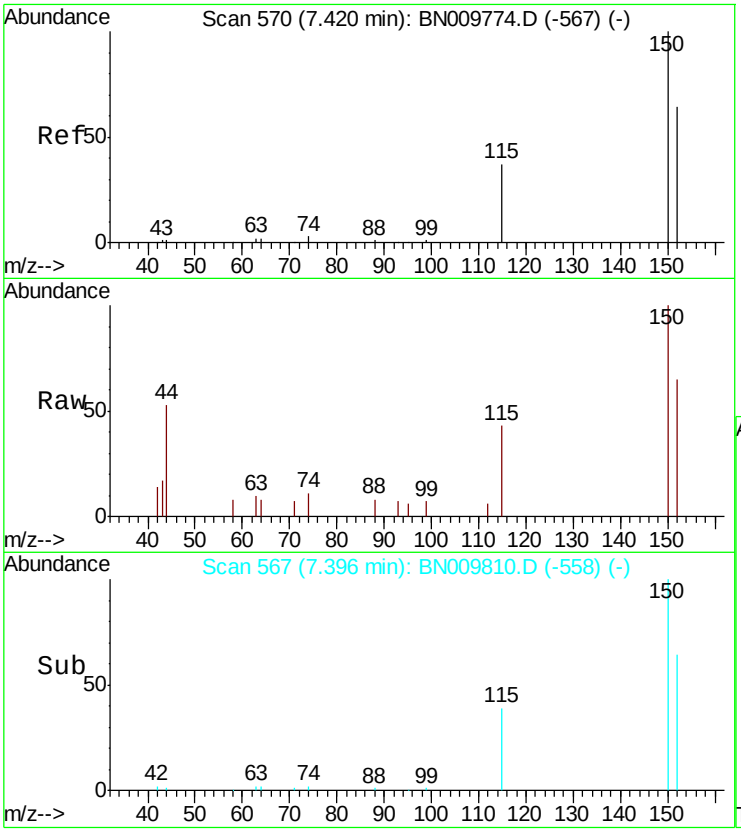
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022120\
Data File : BN009810.D
Acq On : 21 Feb 2020 16:39
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

Quant Time: Feb 21 17:09:38 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 19 15:57:43 2020
Response via : Initial Calibration



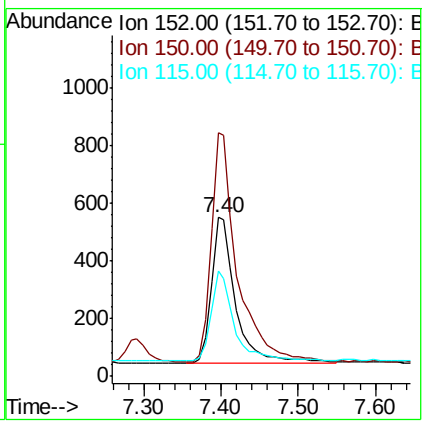


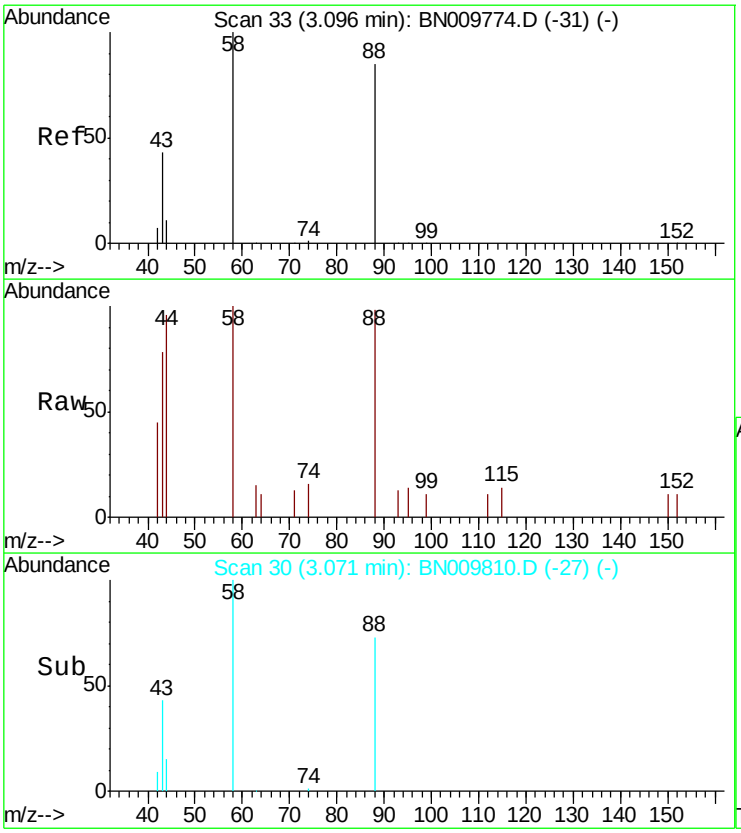
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. -0.02 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 1106

Ion	Ratio	Lower	Upper
152	100		
150	153.5	120.6	181.0
115	66.4	51.2	76.8

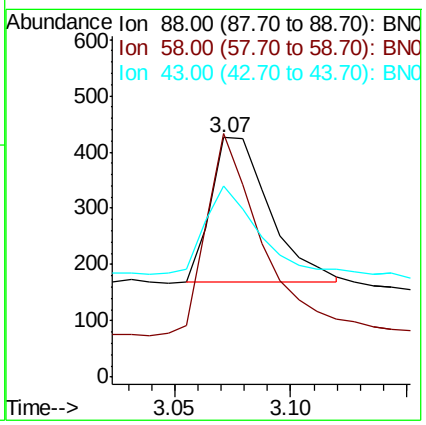


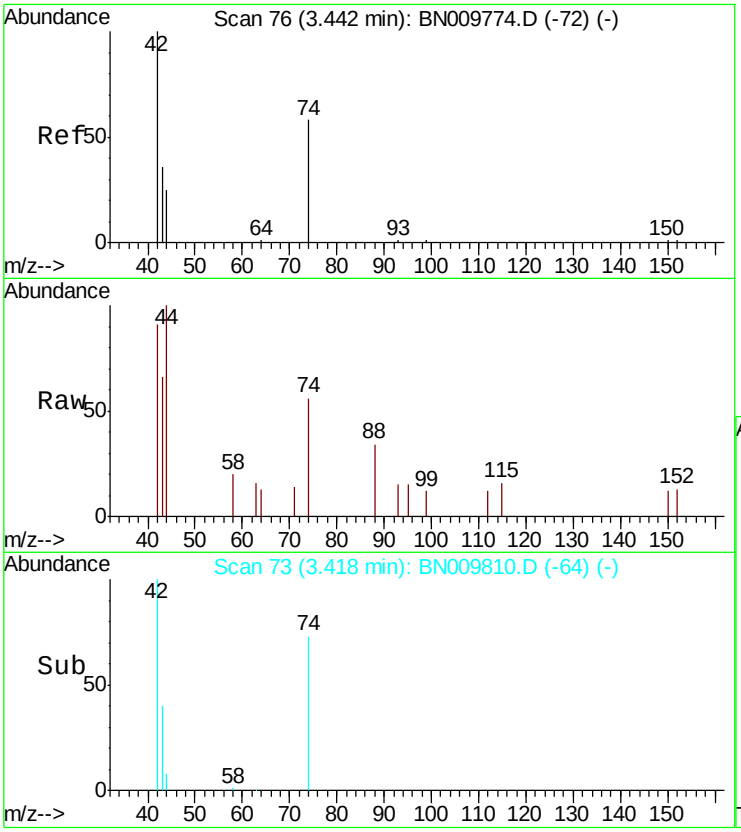


#2
1,4-Dioxane
Concen: 0.398 ng
RT: 3.07 min Scan# 30
Delta R.T. -0.02 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Tgt Ion: 88 Resp: 451

Ion	Ratio	Lower	Upper
88	100		
58	115.3	97.8	146.8
43	46.8	45.1	67.7



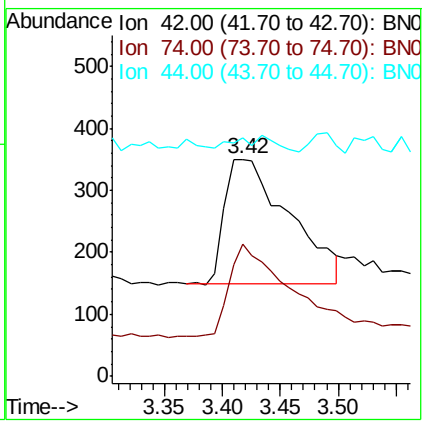


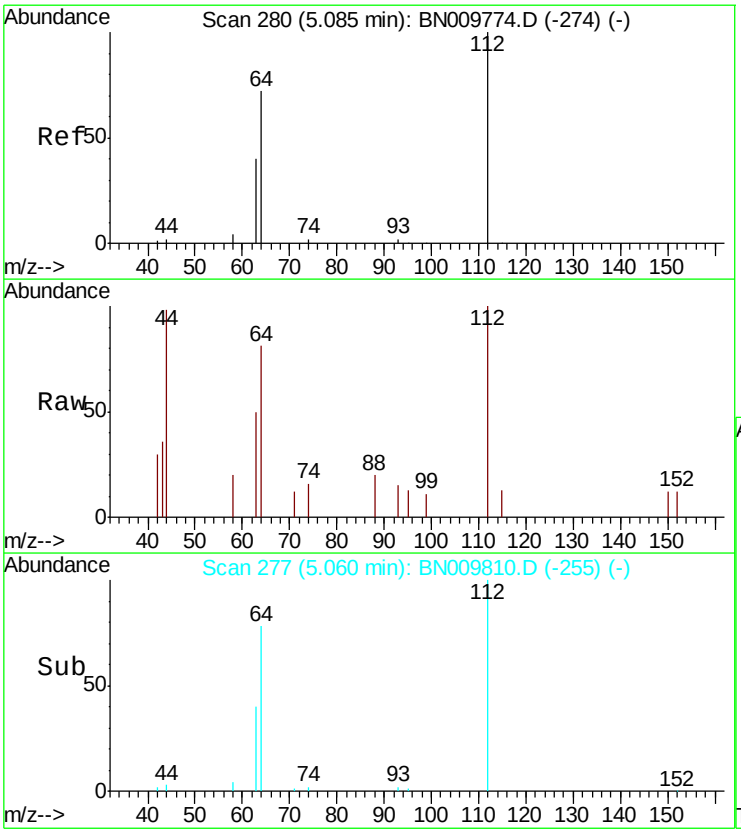
#3
n-Nitrosodimethylamine
Concen: 0.414 ng
RT: 3.42 min Scan# 73
Delta R.T. -0.02 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 770

Ion	Ratio	Lower	Upper
42	100		
74	70.0	51.2	76.8
44	2.2	2.6	4.0#

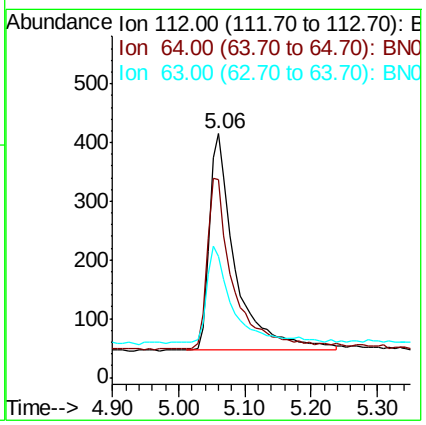


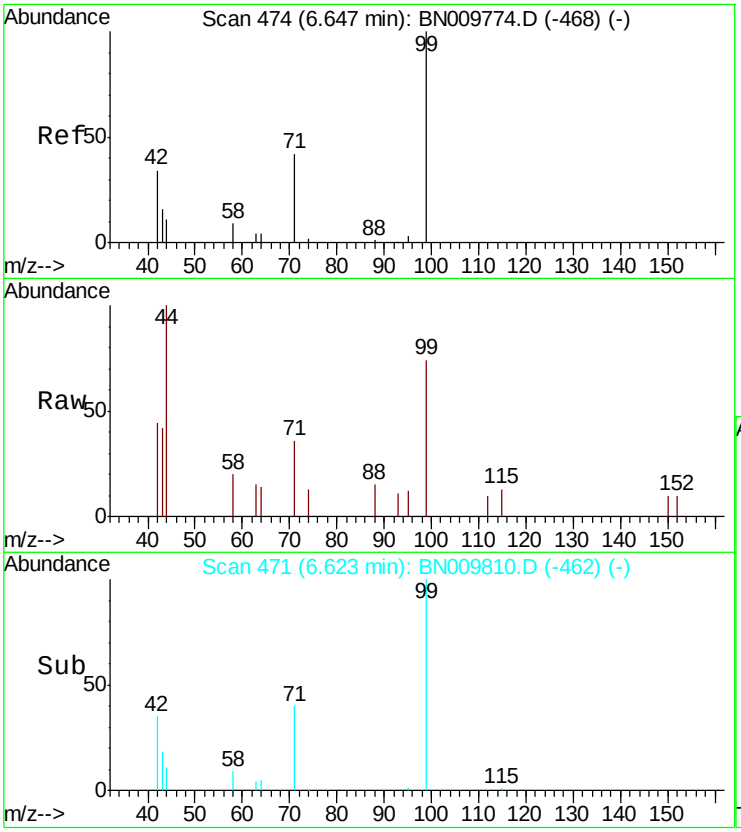


#4
2-Fluorophenol
Concen: 0.410 ng
RT: 5.06 min Scan# 277
Delta R.T. -0.02 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Tgt Ion:112 Resp: 1008

Ion	Ratio	Lower	Upper
112	100		
64	81.1	65.8	98.6
63	44.9	38.7	58.1



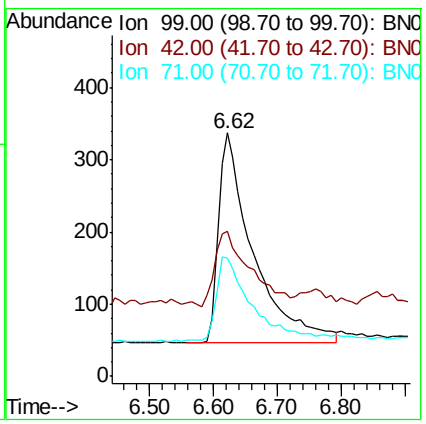


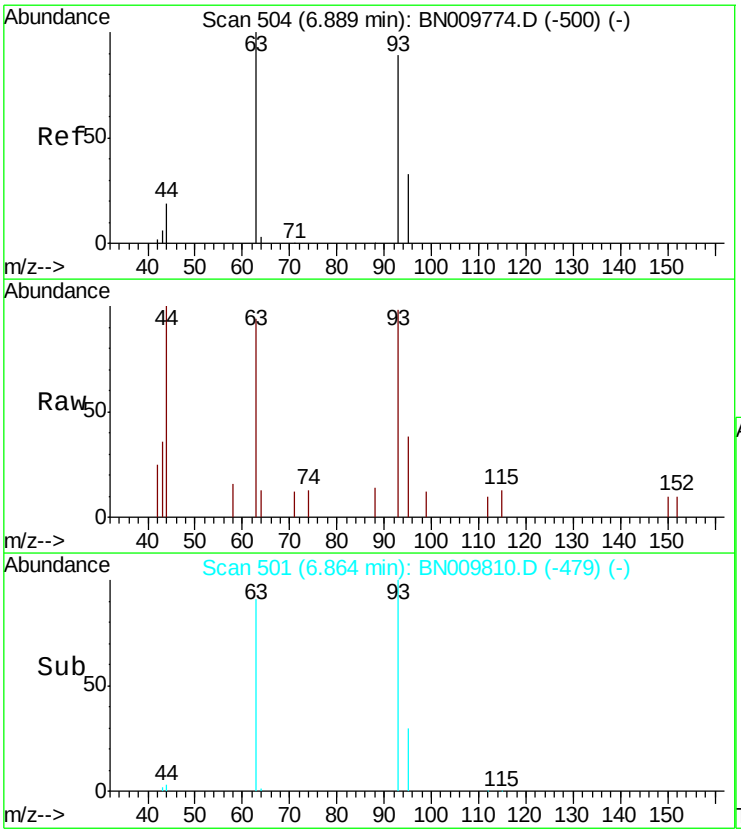
#5
Phenol-d6
Concen: 0.364 ng
RT: 6.62 min Scan# 471
Delta R.T. -0.02 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 1089

Ion	Ratio	Lower	Upper
99	100		
42	36.1	30.8	46.2
71	41.6	34.9	52.3

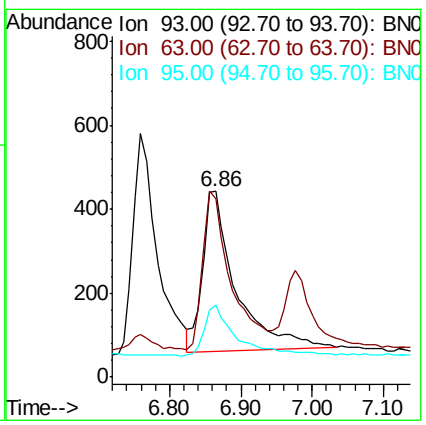


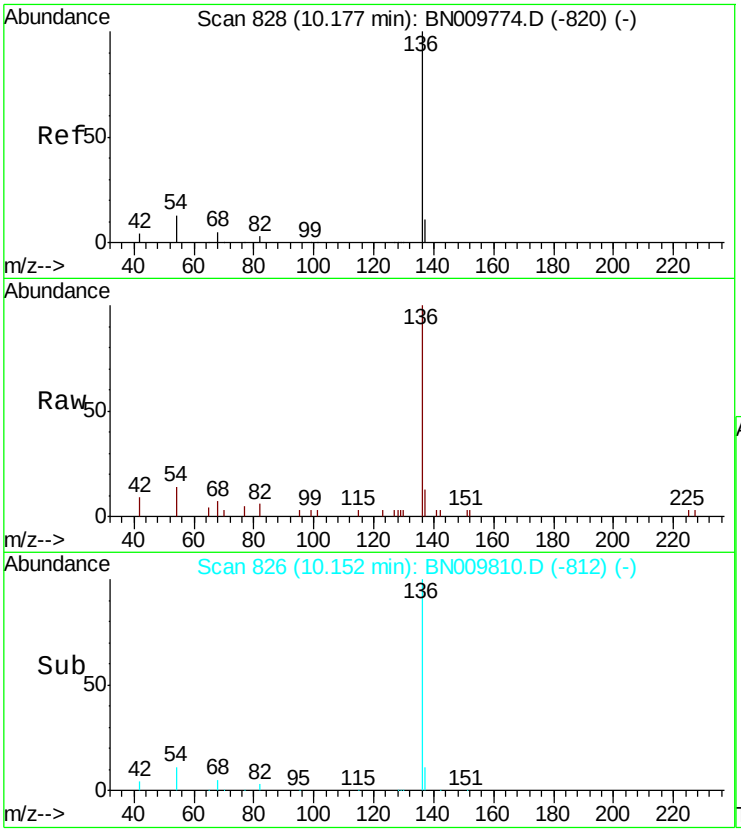


#6
bis(2-Chloroethyl)ether
Concen: 0.421 ng
RT: 6.86 min Scan# 501
Delta R.T. -0.02 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Tgt Ion: 93 Resp: 1225

Ion	Ratio	Lower	Upper
93	100		
63	84.9	74.0	111.0
95	31.2	26.7	40.1



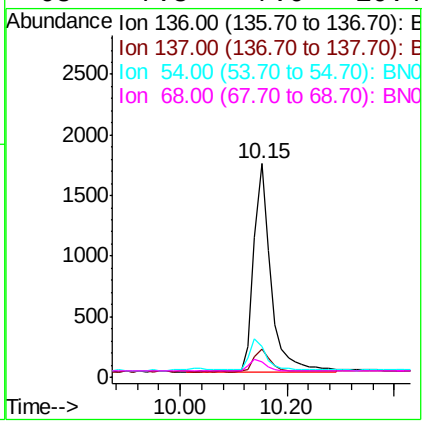


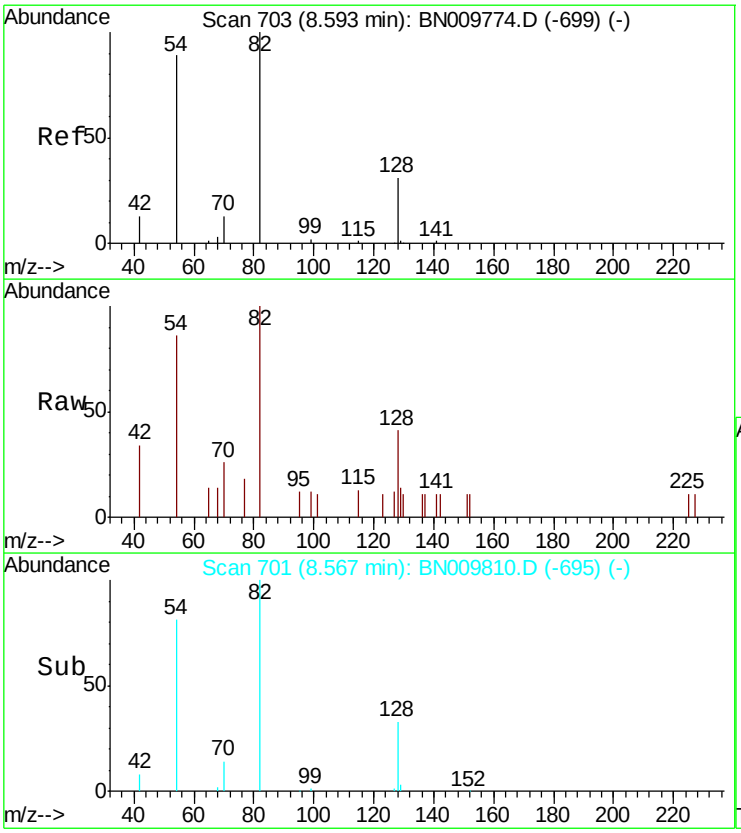
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 826
Delta R.T. -0.03 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 3810

Ion	Ratio	Lower	Upper
136	100		
137	13.0	11.3	16.9
54	14.5	13.4	20.2
68	7.3	7.0	10.4

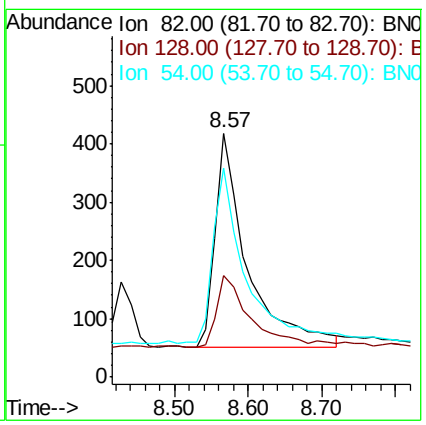


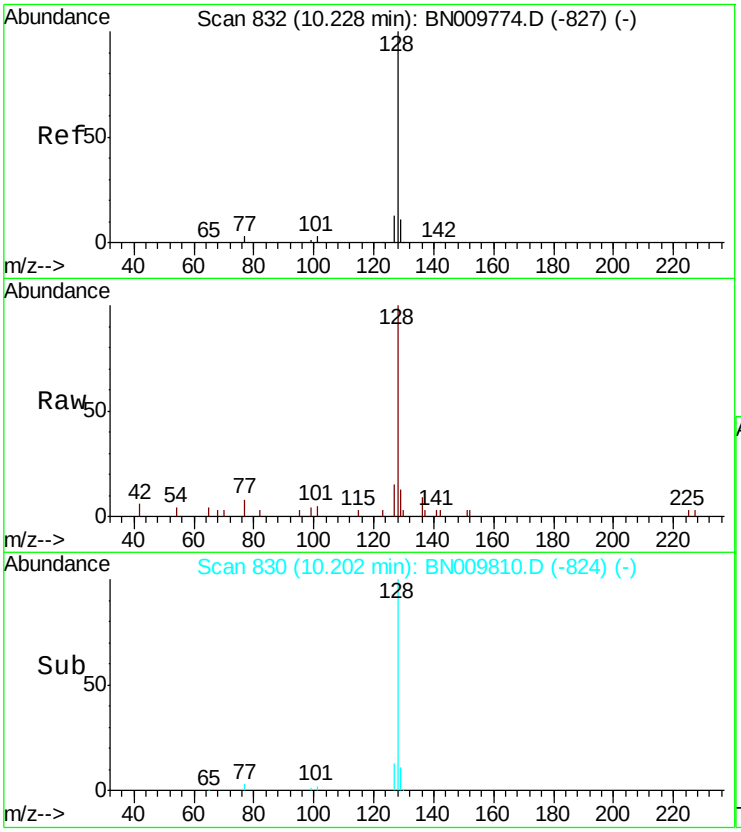


#8
Nitrobenzene-d5
Concen: 0.352 ng
RT: 8.57 min Scan# 701
Delta R.T. -0.03 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Tgt Ion: 82 Resp: 1117

Ion	Ratio	Lower	Upper
82	100		
128	41.4	32.5	48.7
54	85.6	73.5	110.3



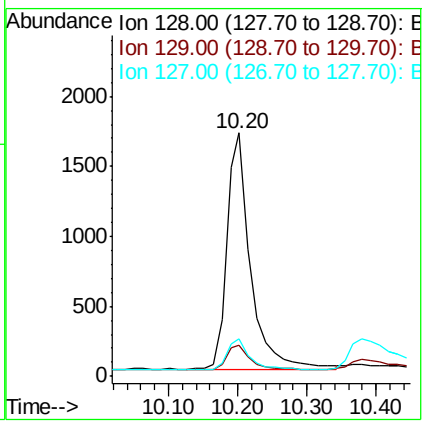


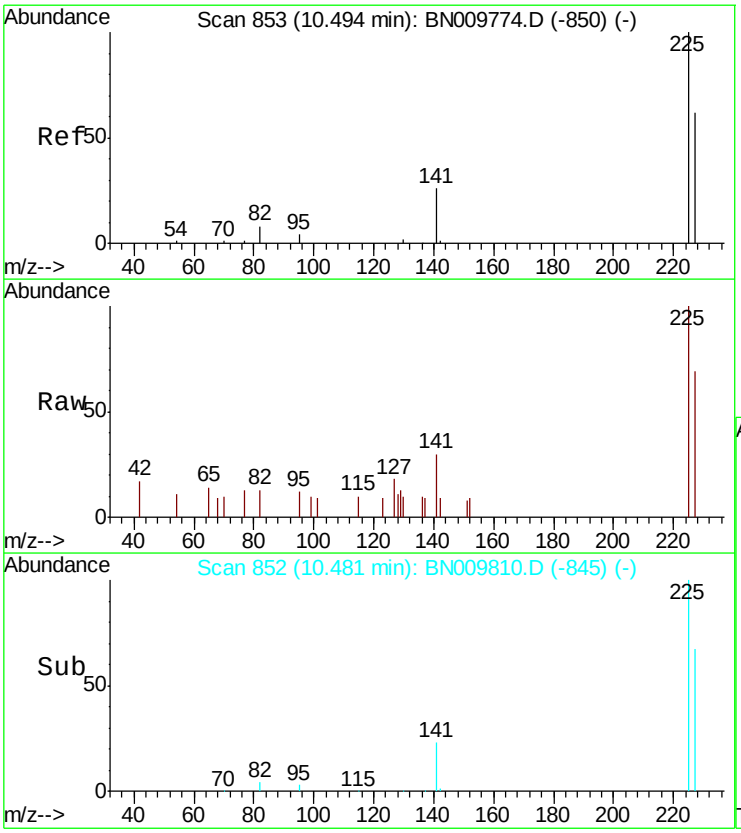
#9
Naphthalene
Concen: 0.389 ng
RT: 10.20 min Scan# 830
Delta R.T. -0.03 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 4046

Ion	Ratio	Lower	Upper
128	100		
129	13.0	11.1	16.7
127	15.3	12.6	19.0

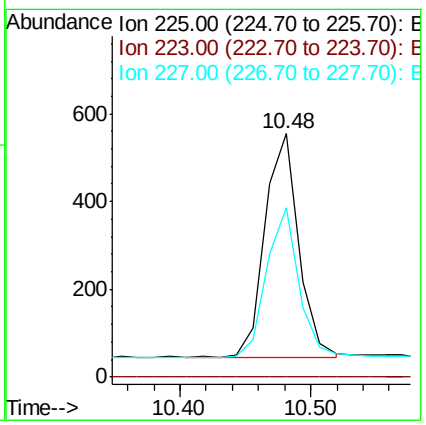


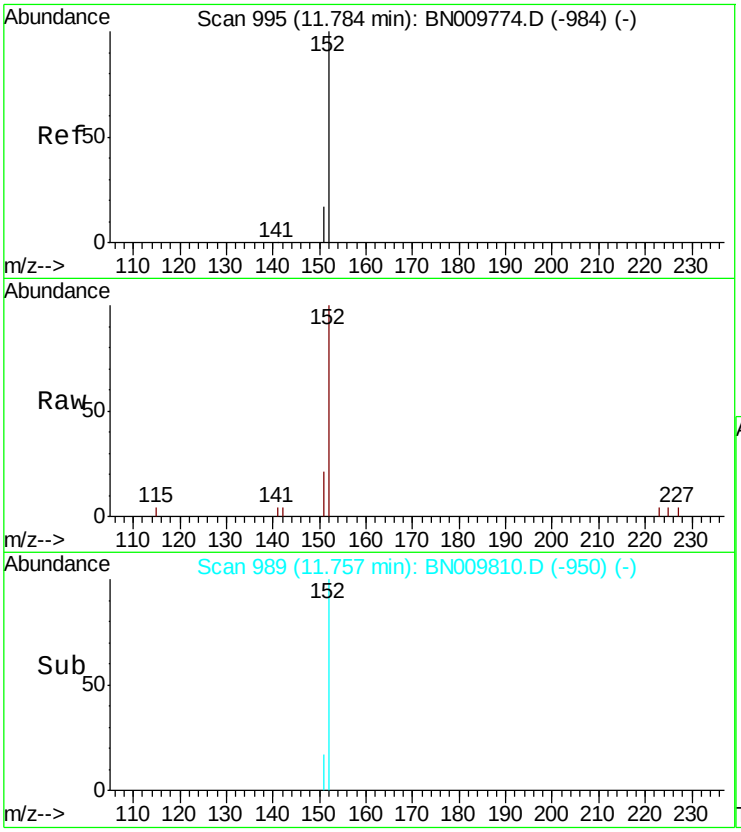


#10
Hexachlorobutadiene
Concen: 0.396 ng
RT: 10.48 min Scan# 852
Delta R.T. -0.01 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Tgt Ion:225 Resp: 906

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.3	53.4	80.2



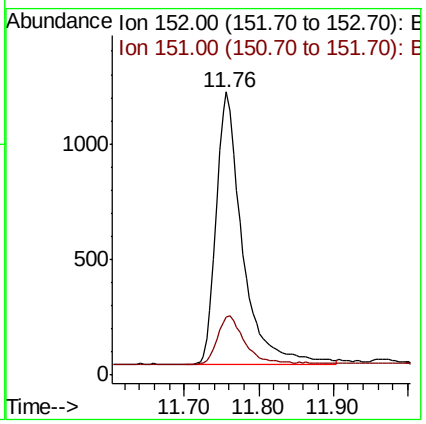


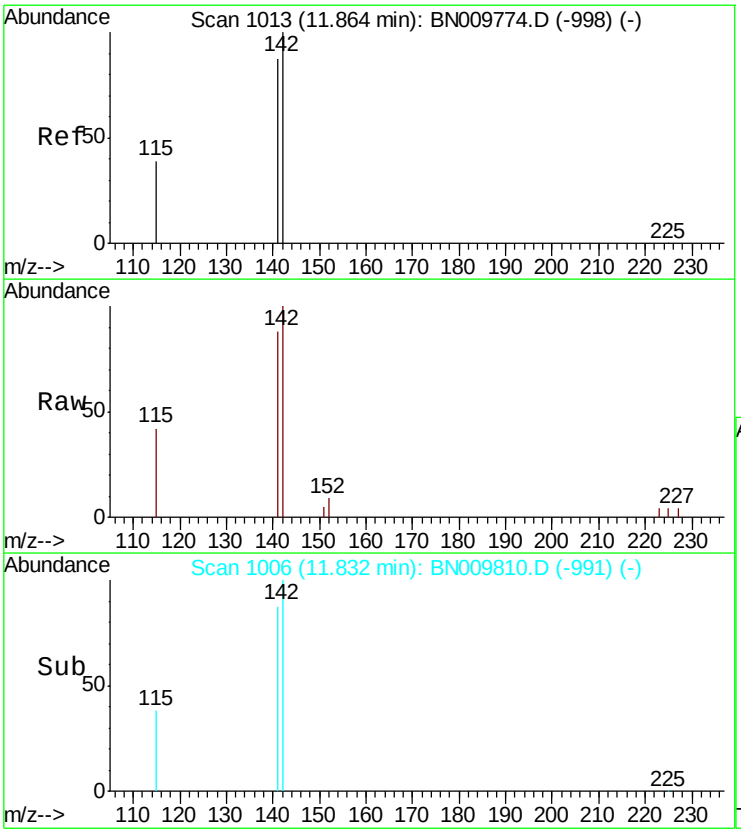
#11
2-Methylnaphthalene-d10
Concen: 0.390 ng
RT: 11.76 min Scan# 989
Delta R.T. -0.03 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 2876

Ion	Ratio	Lower	Upper
152	100		
151	18.7	15.1	22.7

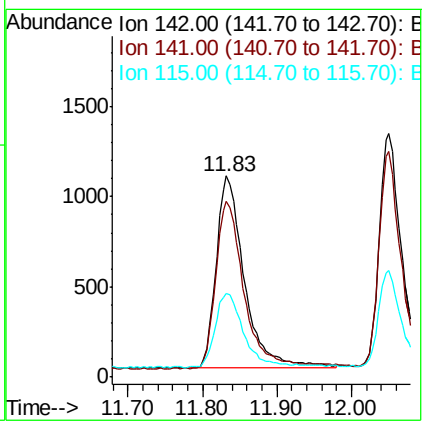


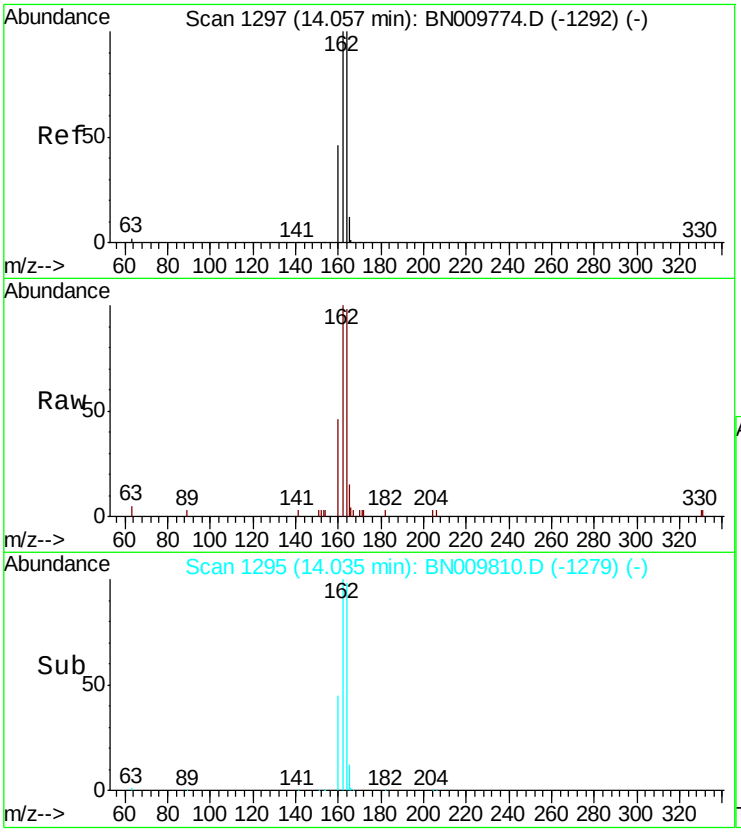


#12
2-Methylnaphthalene
Concen: 0.393 ng
RT: 11.83 min Scan# 1006
Delta R.T. -0.03 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Tgt Ion:142 Resp: 2801

Ion	Ratio	Lower	Upper
142	100		
141	87.5	69.8	104.6
115	41.6	34.6	52.0



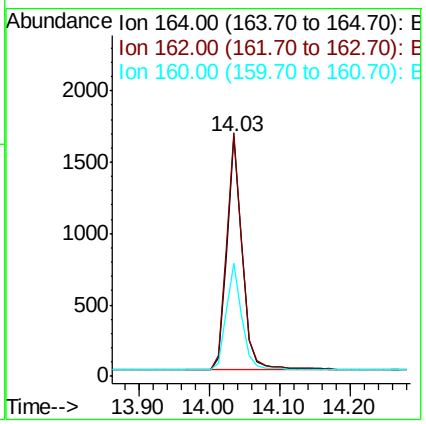


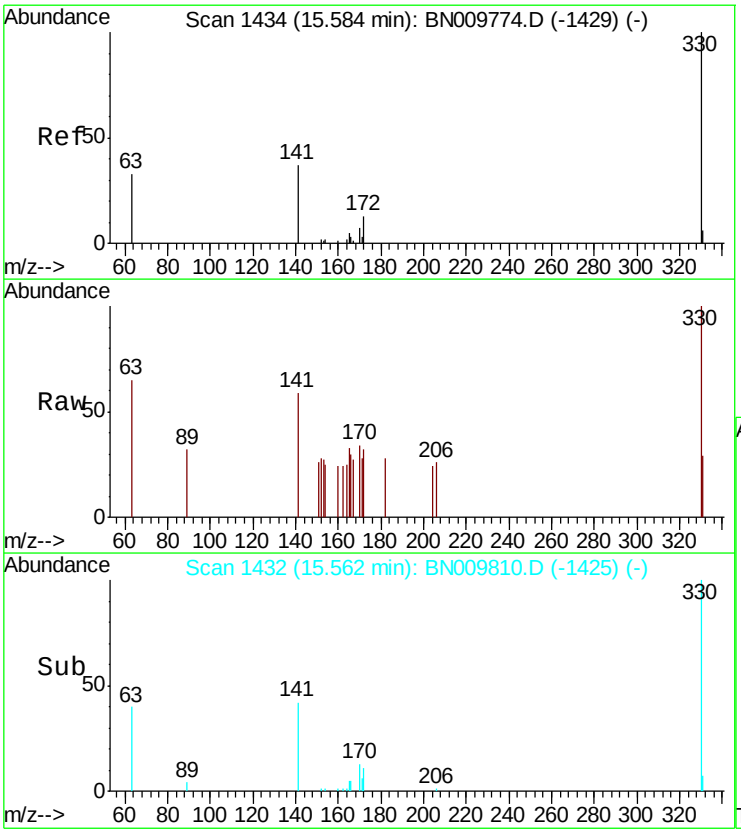
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.03 min Scan# 1295
Delta R.T. -0.02 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 2516

Ion	Ratio	Lower	Upper
164	100		
162	101.8	79.9	119.9
160	47.0	38.2	57.2

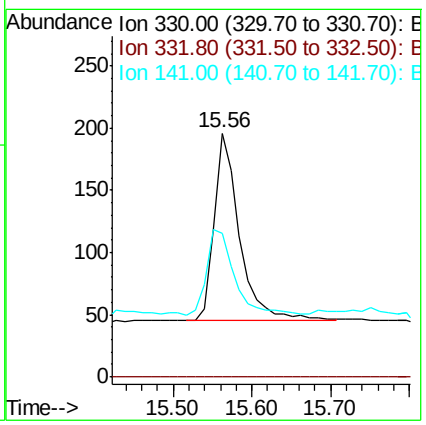


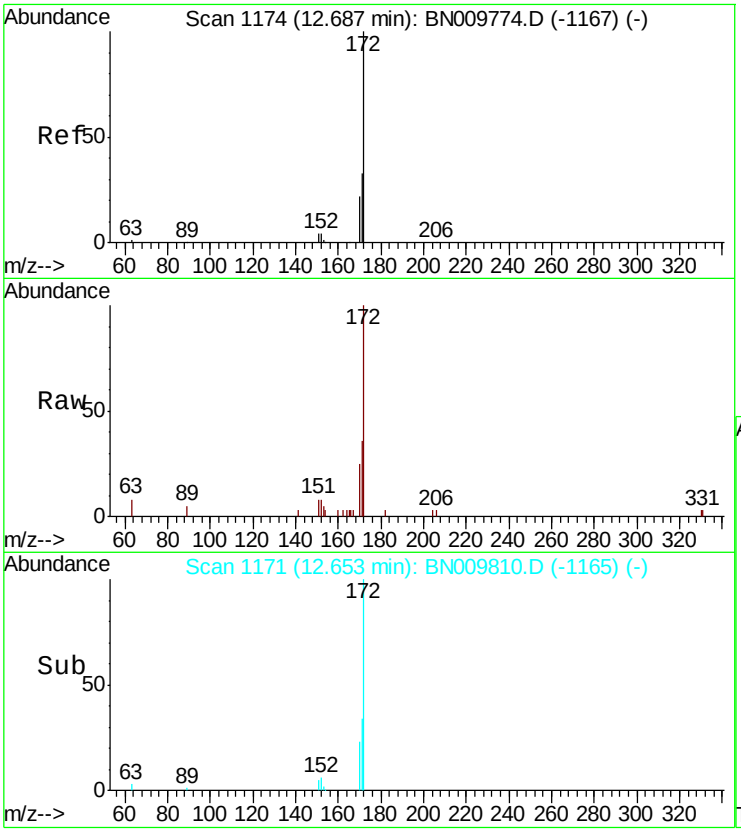


#14
2,4,6-Tribromophenol
Concen: 0.355 ng
RT: 15.56 min Scan# 1432
Delta R.T. -0.02 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Tgt Ion:330 Resp: 344

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	48.5	36.8	55.2



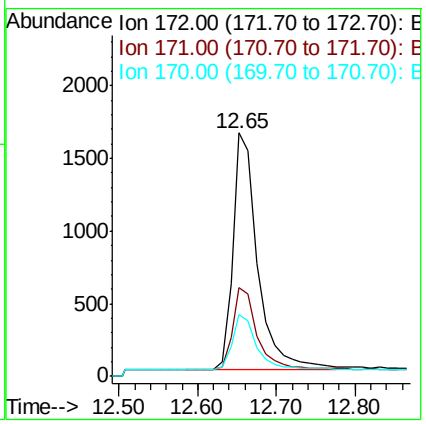


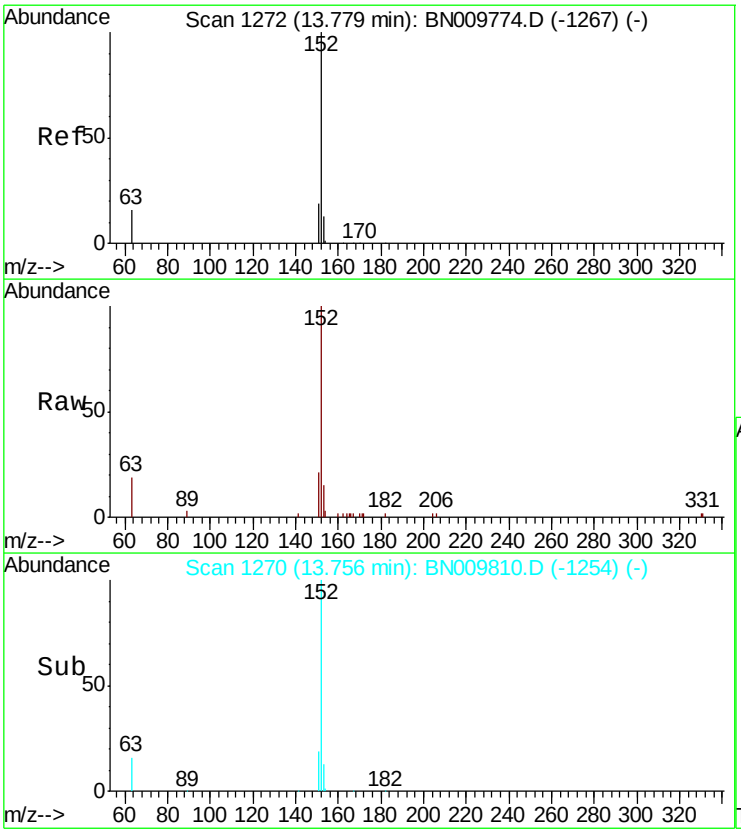
#15
2-Fluorobiphenyl
Concen: 0.380 ng
RT: 12.65 min Scan# 1171
Delta R.T. -0.03 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 3609

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.7	43.1
170	25.4	20.1	30.1

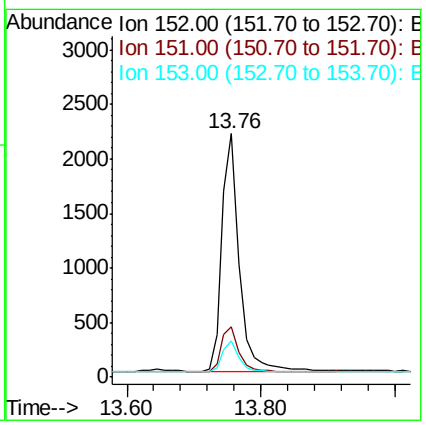


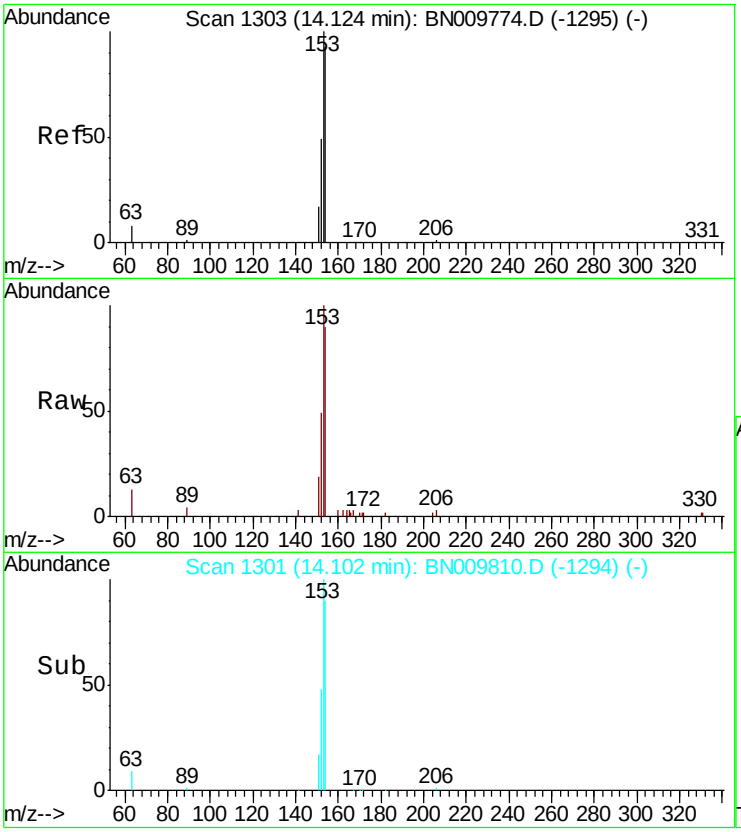


#16
Acenaphthylene
Concen: 0.367 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Tgt Ion:152 Resp: 3939

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.2	10.2	15.4



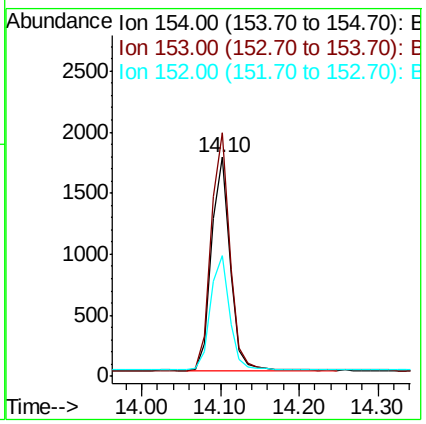


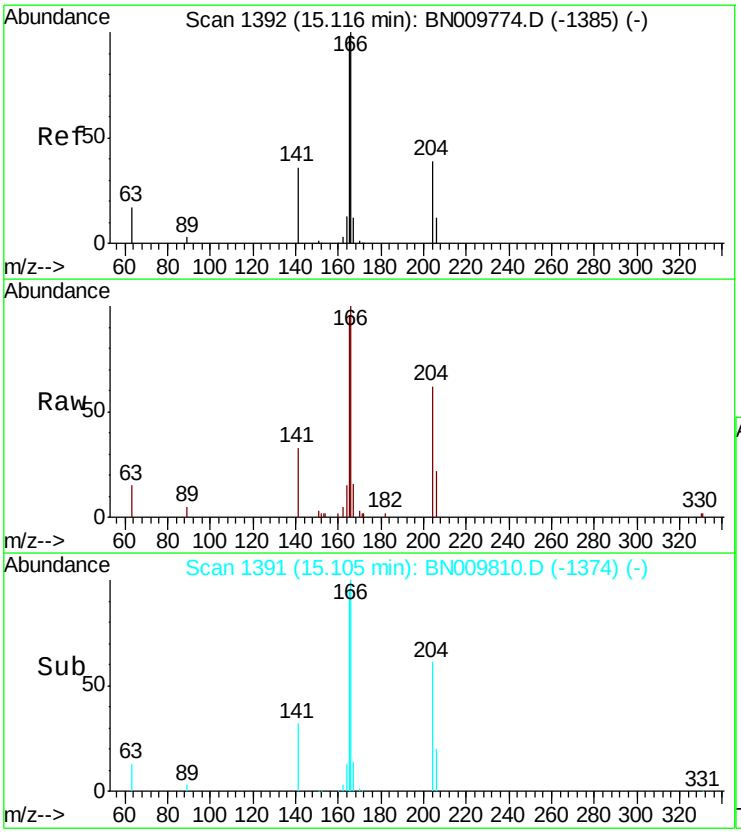
#17
Acenaphthene
Concen: 0.383 ng
RT: 14.10 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 2885

Ion	Ratio	Lower	Upper
154	100		
153	111.6	88.9	133.3
152	54.6	44.2	66.2

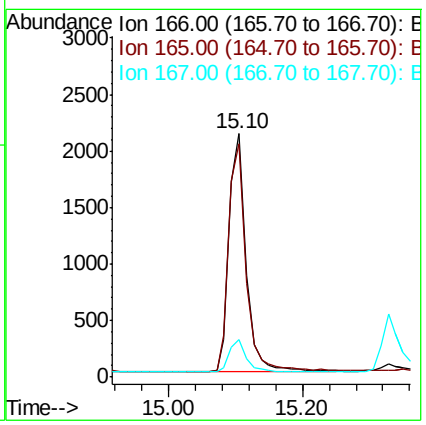


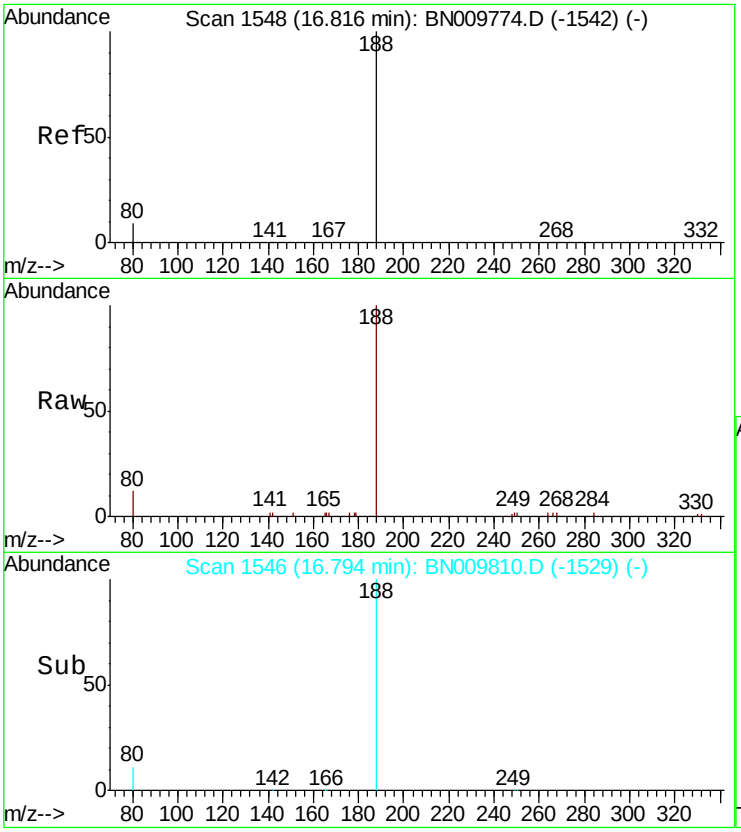


#18
Fluorene
Concen: 0.371 ng
RT: 15.10 min Scan# 1391
Delta R.T. -0.01 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Tgt Ion:166 Resp: 3696

Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.2	115.8
167	13.6	10.5	15.7



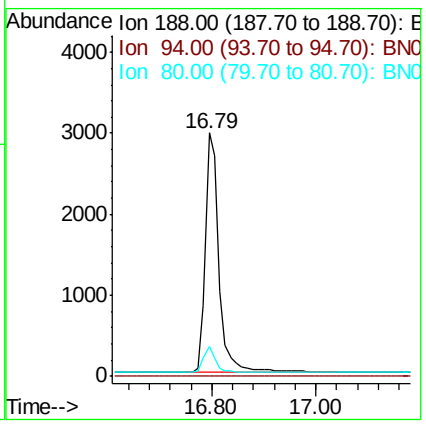


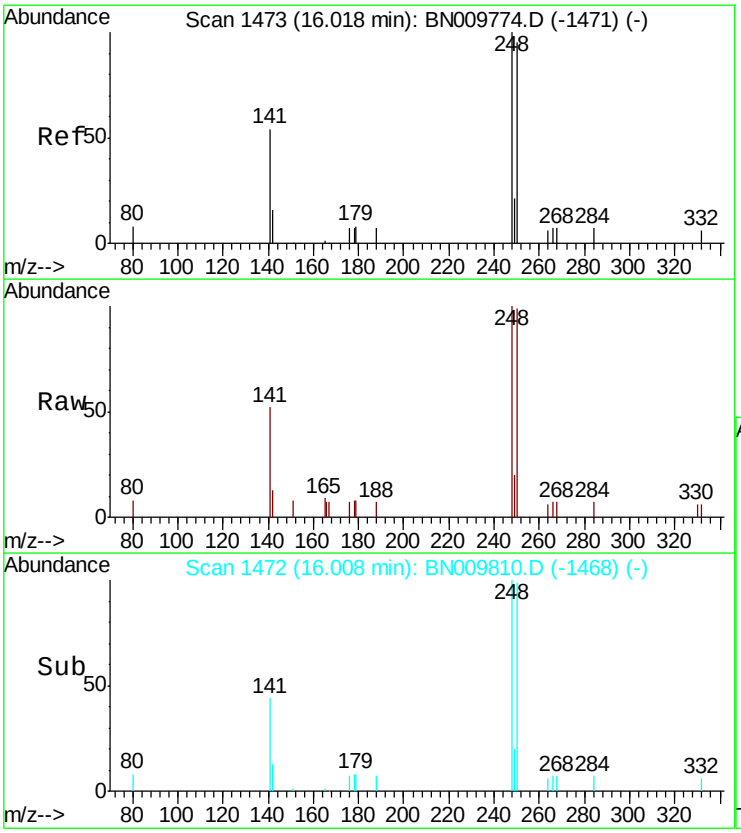
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.79 min Scan# 1546
Delta R.T. -0.02 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 5504

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.3	8.3	12.5

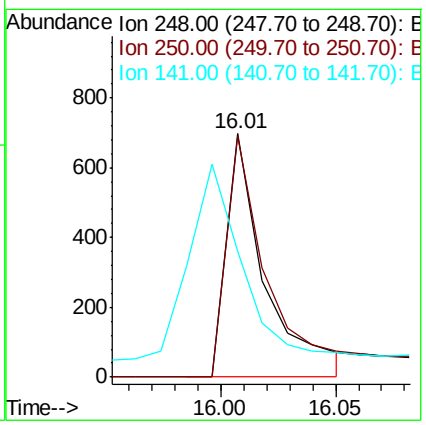


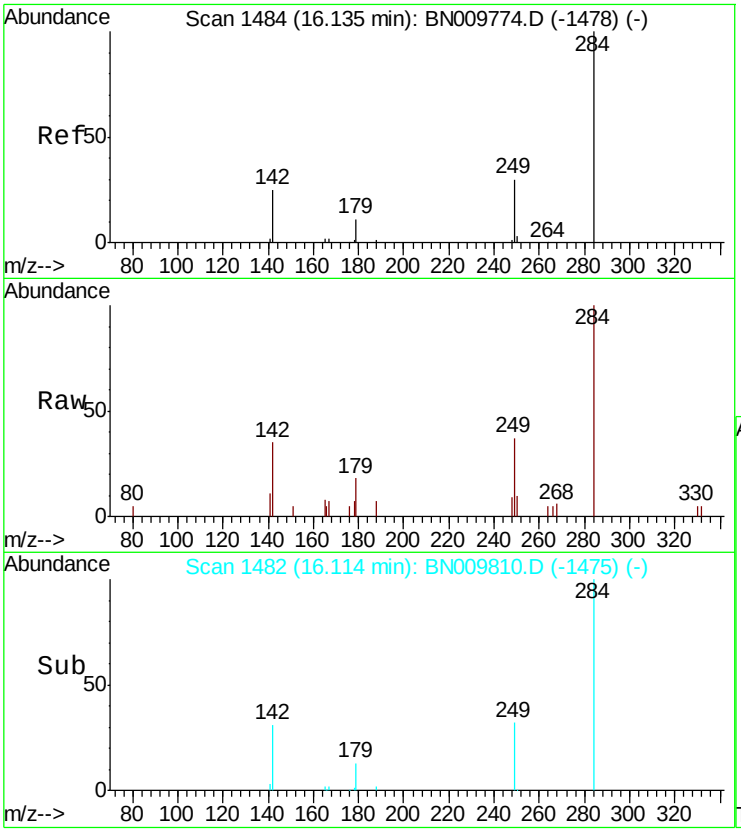


#20
4-Bromophenyl-phenylether
Concen: 0.149 ng
RT: 16.01 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Tgt Ion:248 Resp: 820

Ion	Ratio	Lower	Upper
248	100		
250	98.9	76.2	114.4
141	51.6	57.8	86.6#



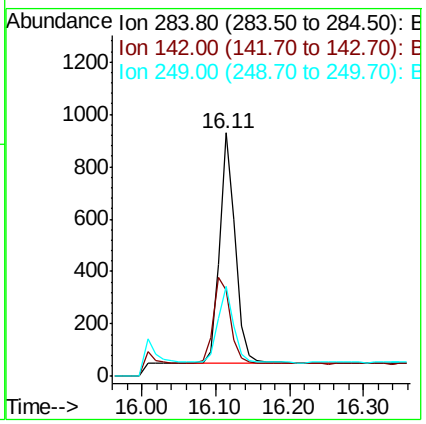


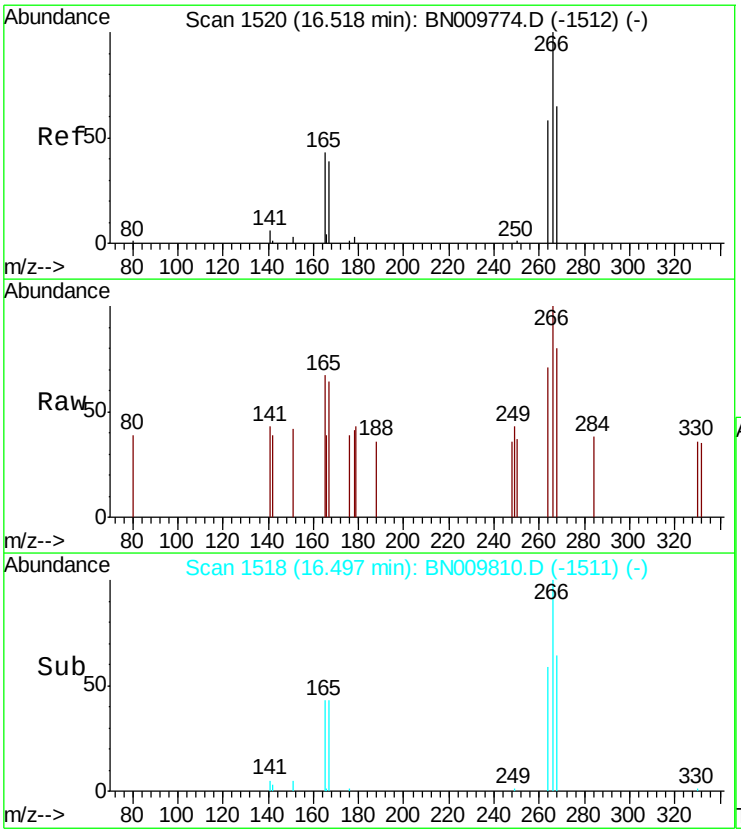
#21
Hexachlorobenzene
Concen: 0.388 ng
RT: 16.11 min Scan# 1482
Delta R.T. -0.02 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 1330

Ion	Ratio	Lower	Upper
284	100		
142	40.8	33.3	49.9
249	33.2	25.7	38.5

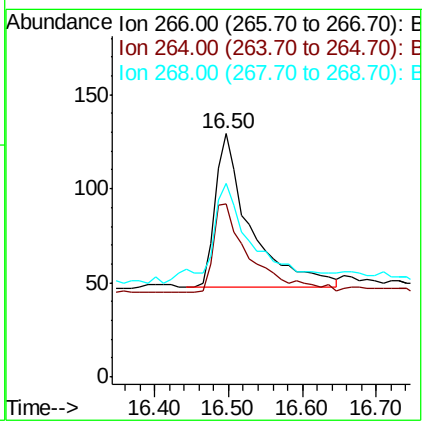


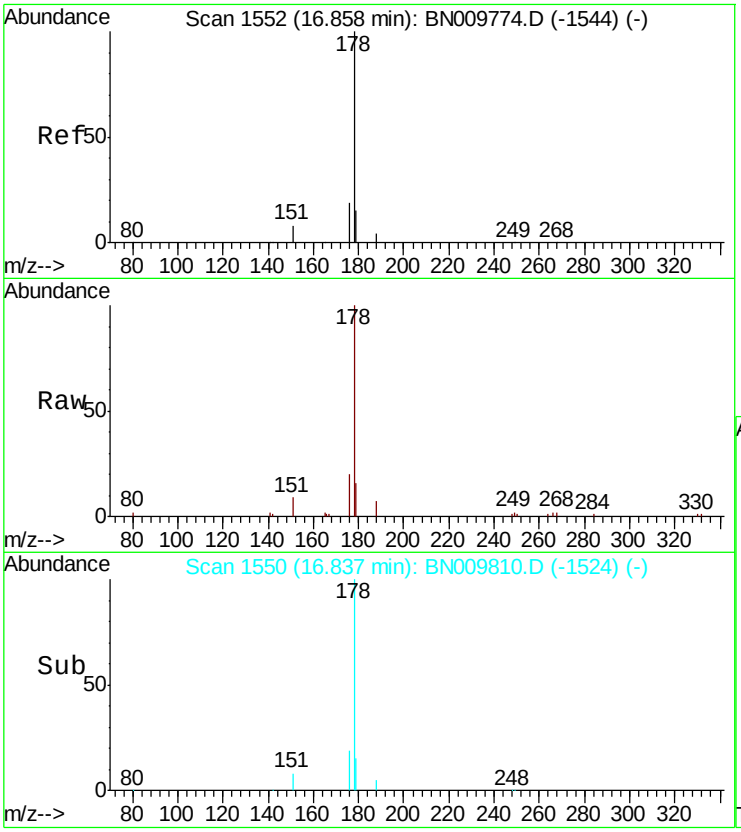


#22
Pentachlorophenol
Concen: 0.413 ng
RT: 16.50 min Scan# 1518
Delta R.T. -0.02 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Tgt Ion:266 Resp: 269

Ion	Ratio	Lower	Upper
266	100		
264	71.3	58.1	87.1
268	79.8	65.7	98.5



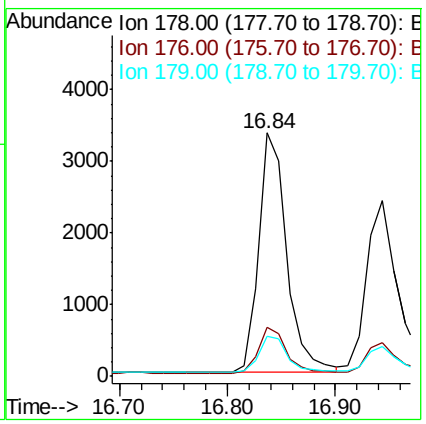


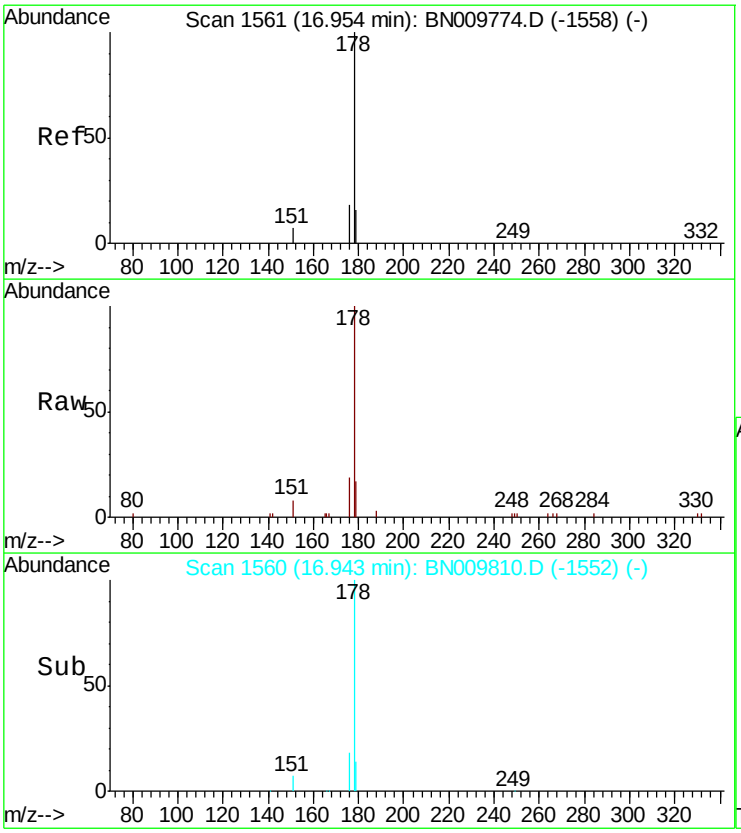
#23
Phenanthrene
Concen: 0.368 ng
RT: 16.84 min Scan# 1550
Delta R.T. -0.02 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 6034

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.5	12.4	18.6

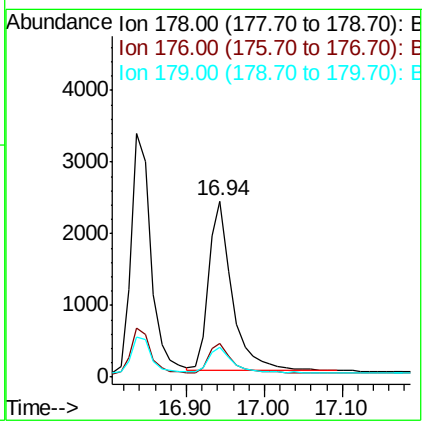


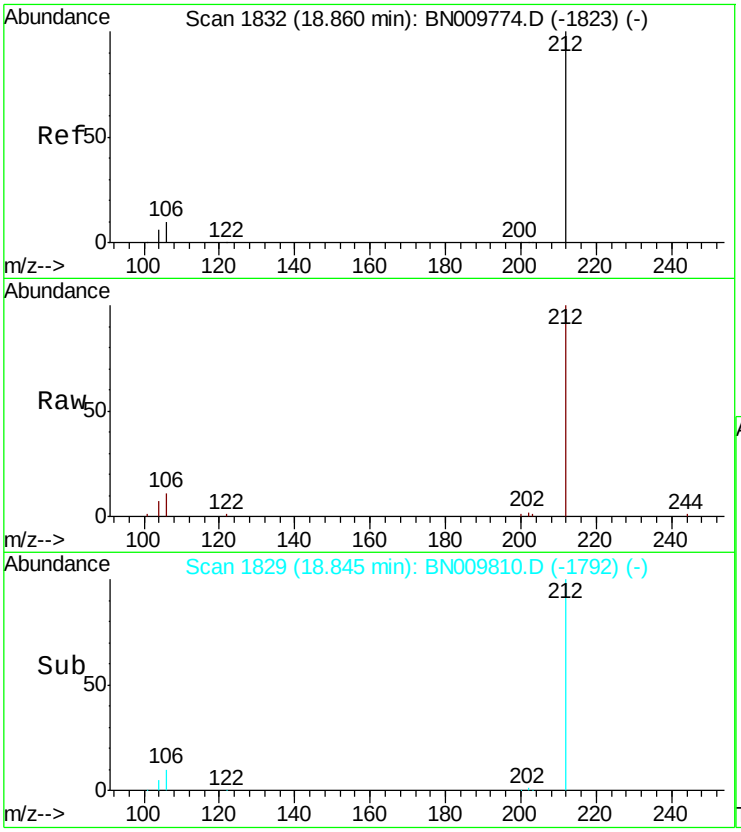


#24
Anthracene
Concen: 0.356 ng
RT: 16.94 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Tgt Ion:178 Resp: 4932

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.3	21.5
179	14.7	12.4	18.6



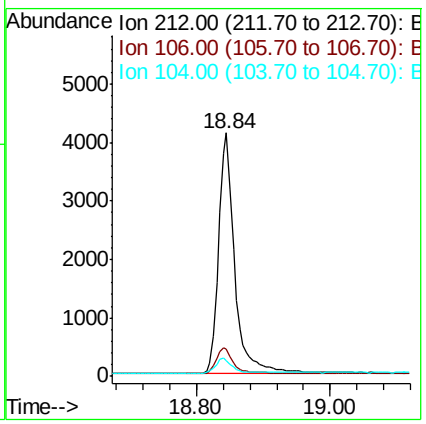


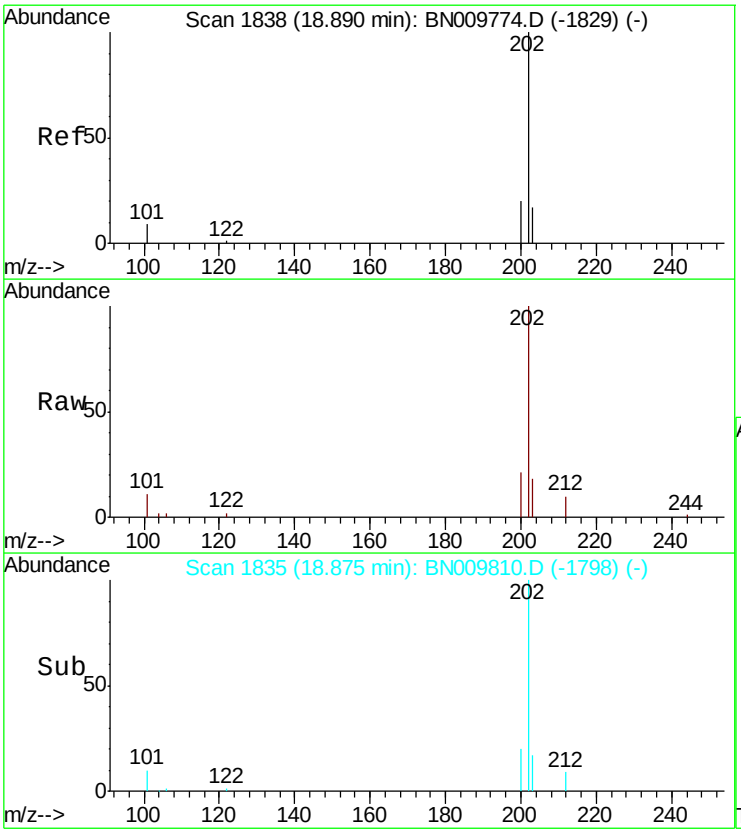
#25
Fluoranthene-d10
Concen: 0.365 ng
RT: 18.84 min Scan# 1829
Delta R.T. -0.02 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 6945

Ion	Ratio	Lower	Upper
212	100		
106	11.2	8.4	12.6
104	6.2	4.8	7.2

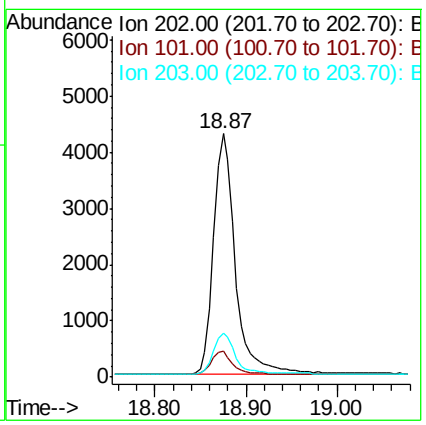


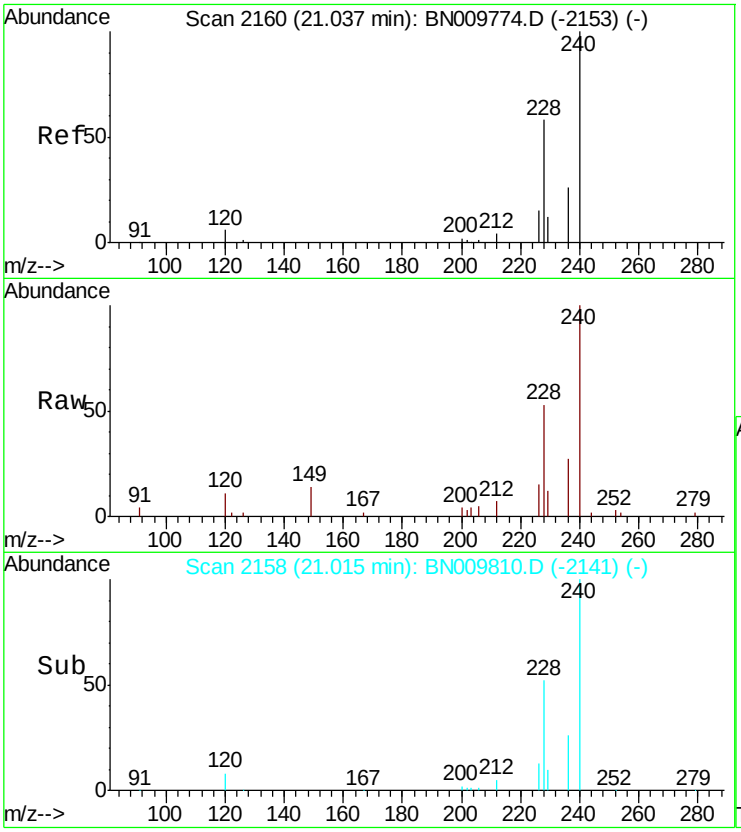


#26
Fluoranthene
Concen: 0.361 ng
RT: 18.87 min Scan# 1835
Delta R.T. -0.02 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Tgt Ion:202 Resp: 7072

Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.1	10.7
203	17.4	13.8	20.6



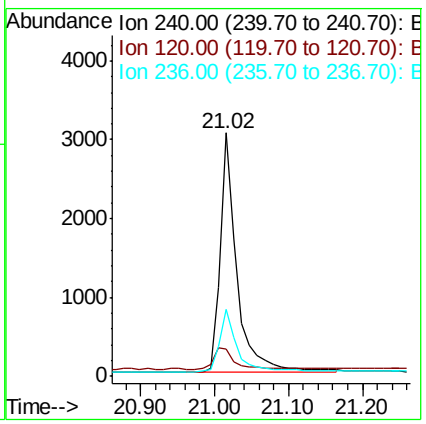


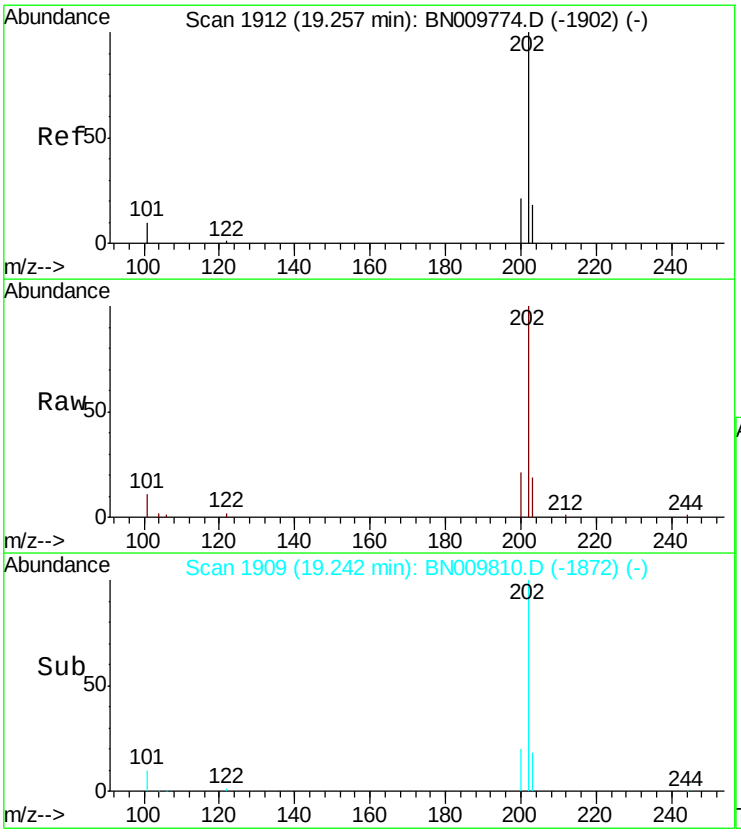
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.02 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 4882

Ion	Ratio	Lower	Upper
240	100		
120	11.0	7.9	11.9
236	27.3	22.0	33.0

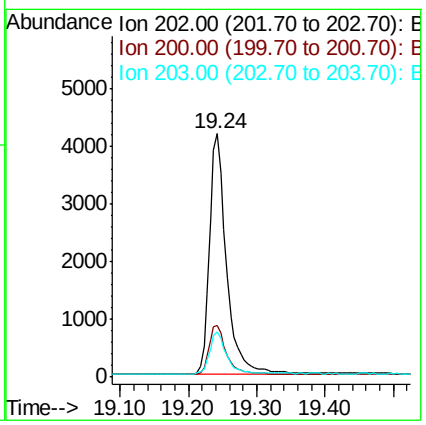


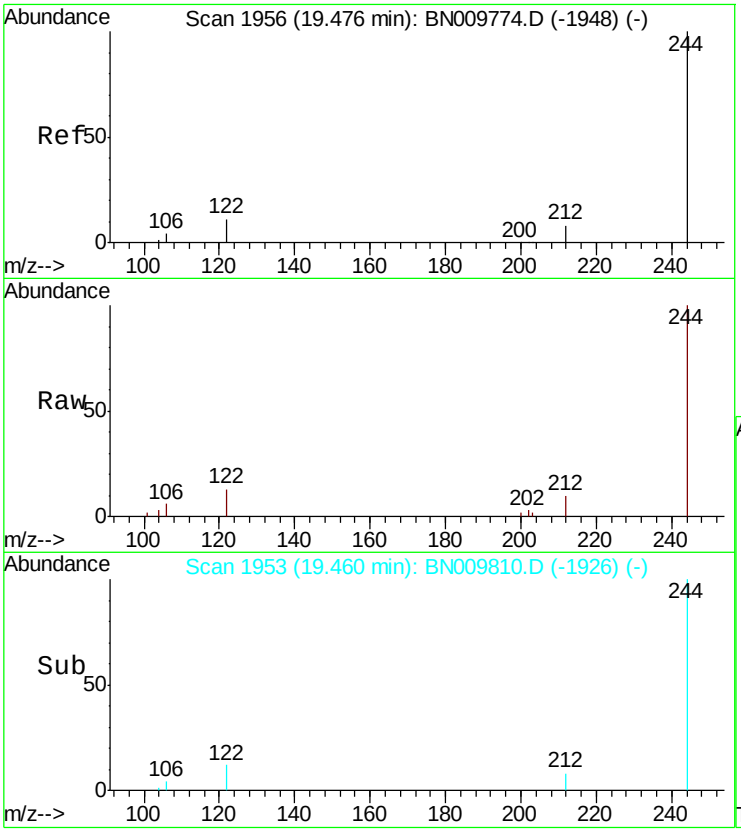


#28
Pyrene
Concen: 0.392 ng
RT: 19.24 min Scan# 1909
Delta R.T. -0.02 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Tgt Ion:202 Resp: 7261

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.4	24.6
203	17.2	13.9	20.9



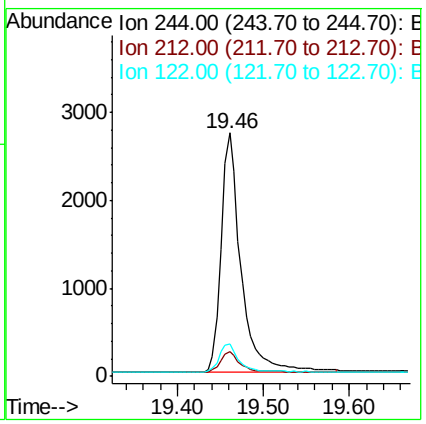


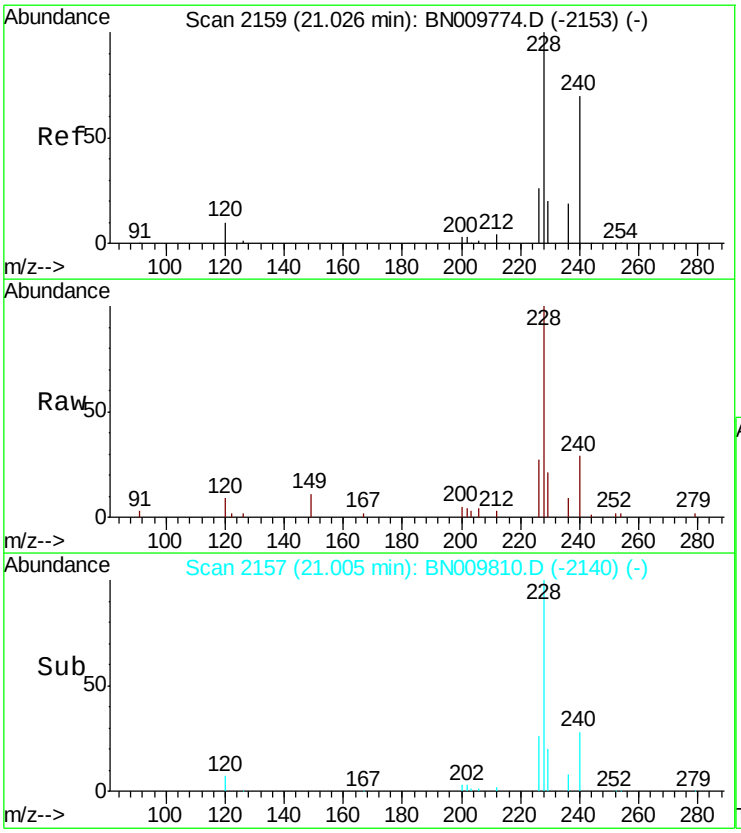
#29
Terphenyl-d14
Concen: 0.377 ng
RT: 19.46 min Scan# 1953
Delta R.T. -0.02 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 4399

Ion	Ratio	Lower	Upper
244	100		
212	10.0	8.0	12.0
122	13.2	10.0	15.0

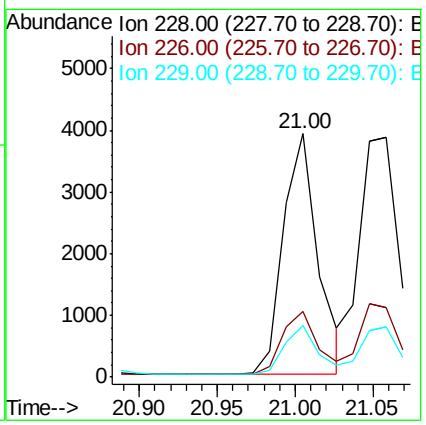


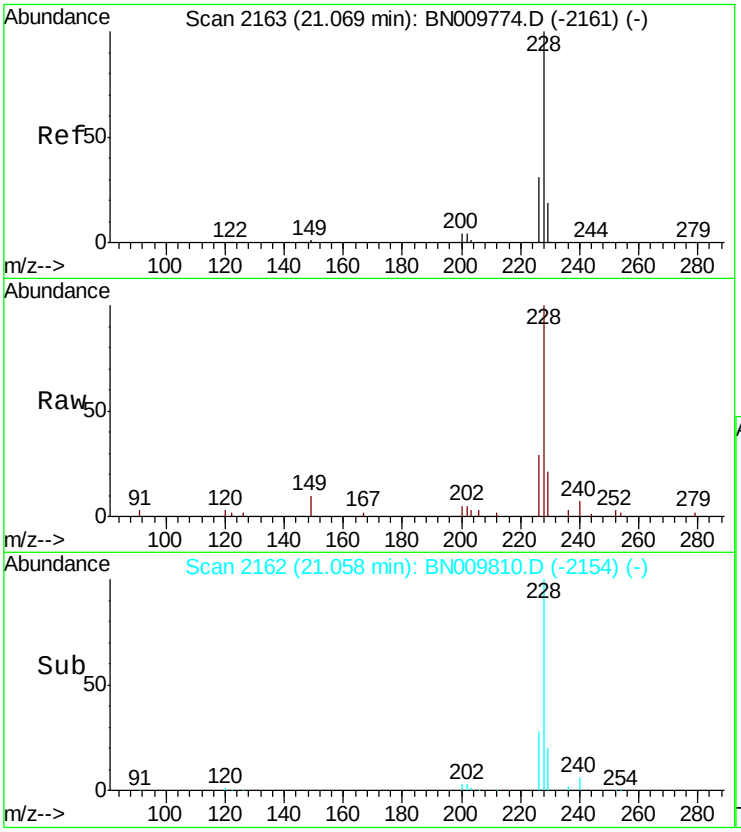


#30
Benzo(a)anthracene
Concen: 0.370 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.02 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Tgt Ion:228 Resp: 5995

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.8	32.8
229	21.0	17.1	25.7



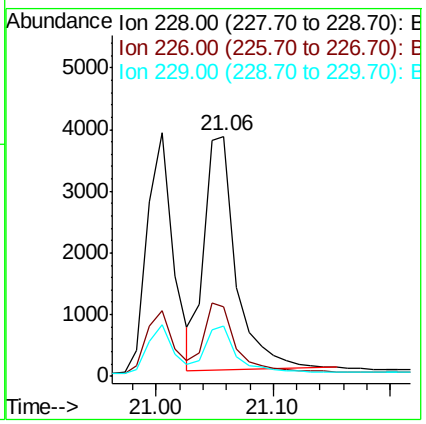


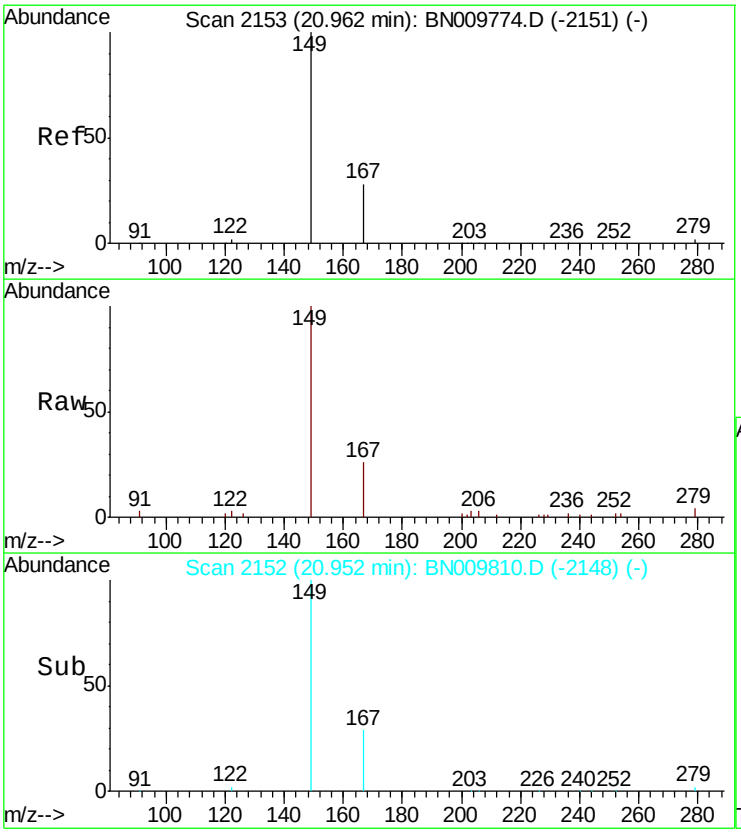
#31
Chrysene
Concen: 0.388 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 7279

Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.8	37.2
229	20.9	16.4	24.6

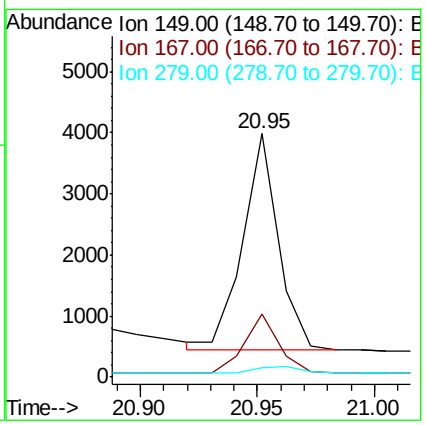


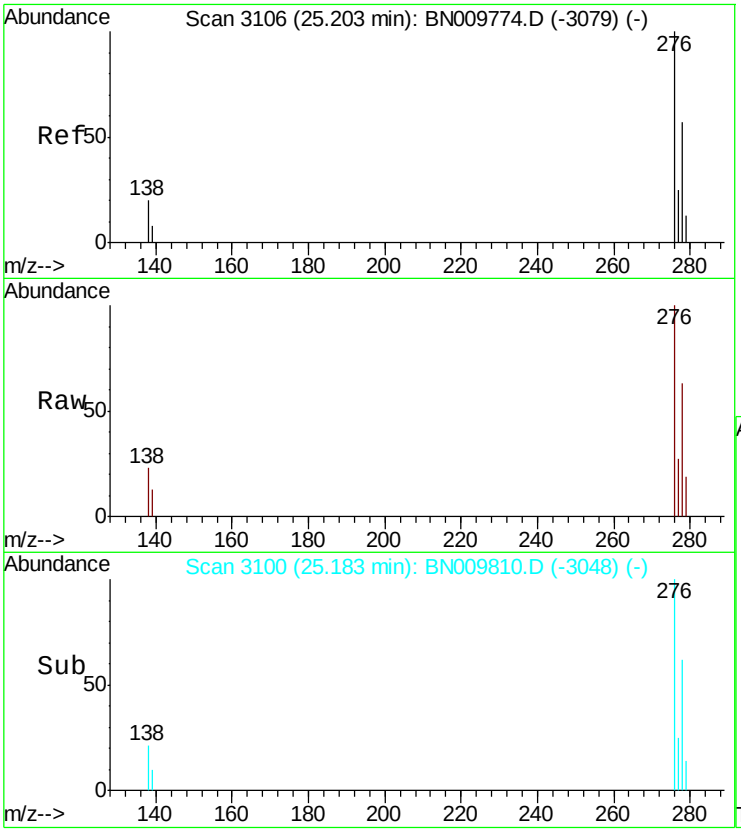


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.476 ng
RT: 20.95 min Scan# 2152
Delta R.T. -0.01 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Tgt Ion:149 Resp: 3764

Ion	Ratio	Lower	Upper
149	100		
167	26.9	22.7	34.1
279	3.7	3.1	4.7



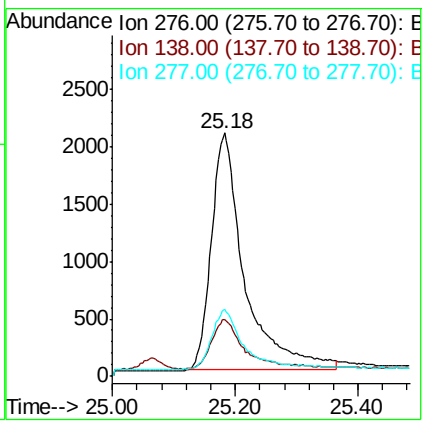


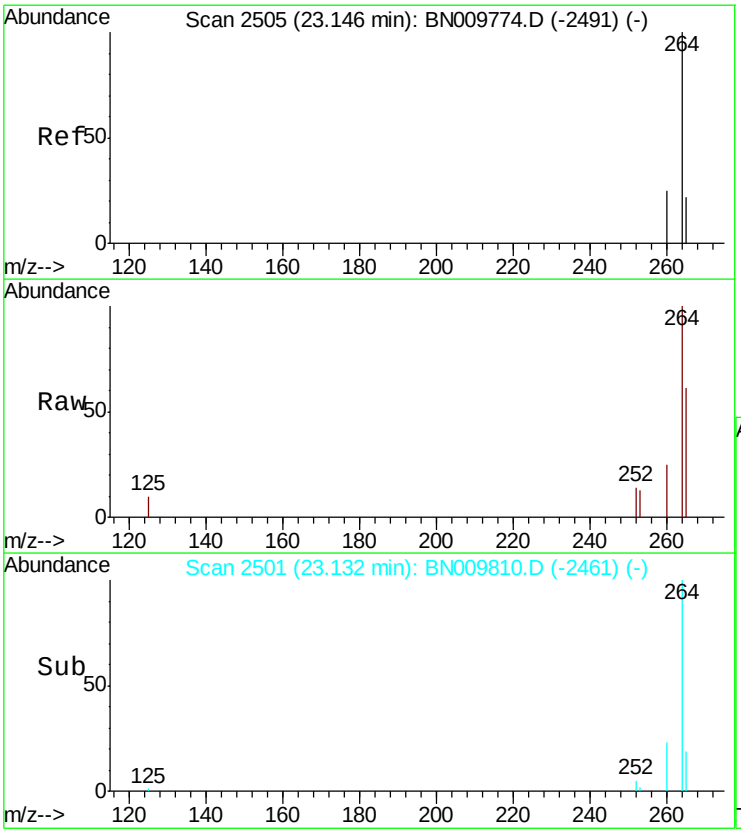
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.397 ng
RT: 25.18 min Scan# 3100
Delta R.T. -0.02 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 7754

Ion	Ratio	Lower	Upper
276	100		
138	21.4	15.8	23.6
277	23.1	19.3	28.9

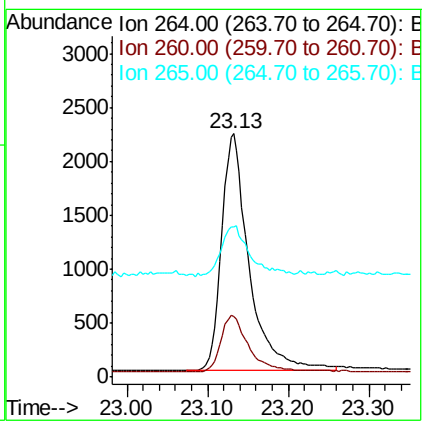


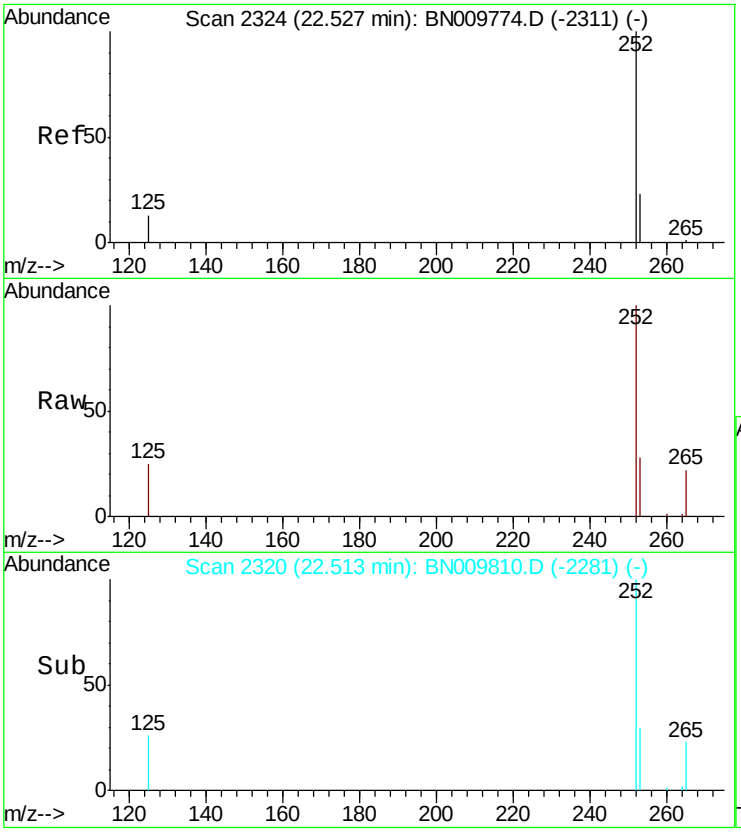


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.13 min Scan# 2501
Delta R.T. -0.01 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Tgt Ion:264 Resp: 5251

Ion	Ratio	Lower	Upper
264	100		
260	24.9	21.1	31.7
265	61.4	57.5	86.3



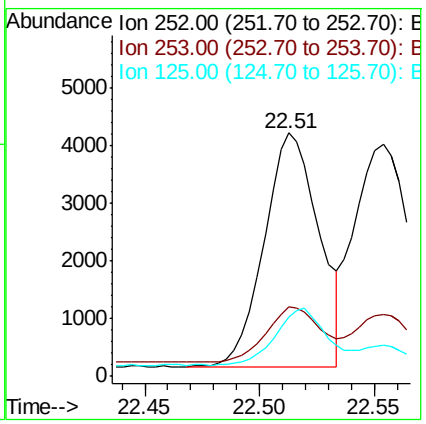


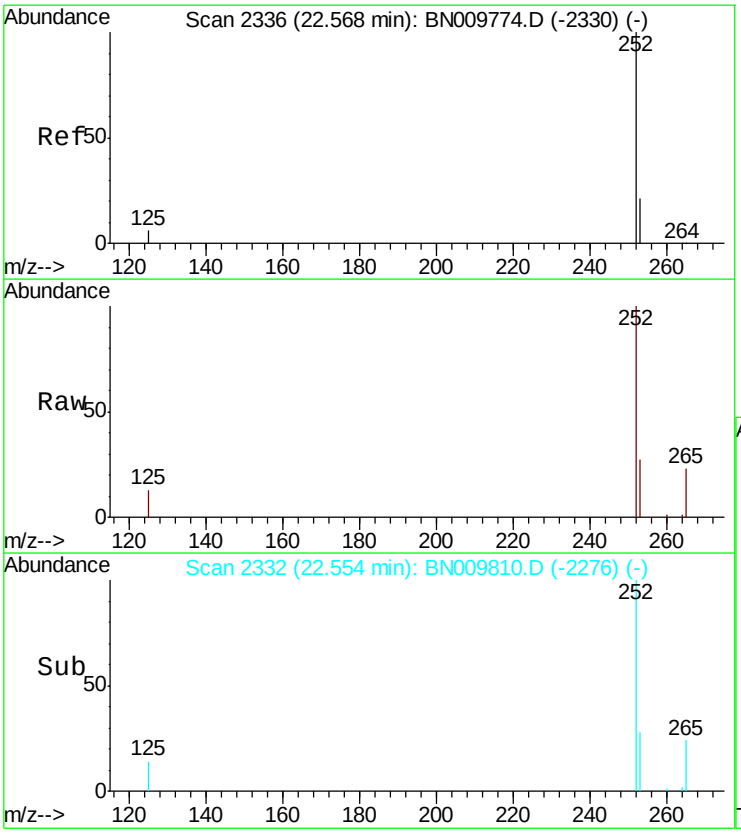
#35
Benzo(b)fluoranthene
Concen: 0.349 ng
RT: 22.51 min Scan# 2320
Delta R.T. -0.01 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 6693

Ion	Ratio	Lower	Upper
252	100		
253	28.4	23.0	34.6
125	24.5	14.4	21.6#

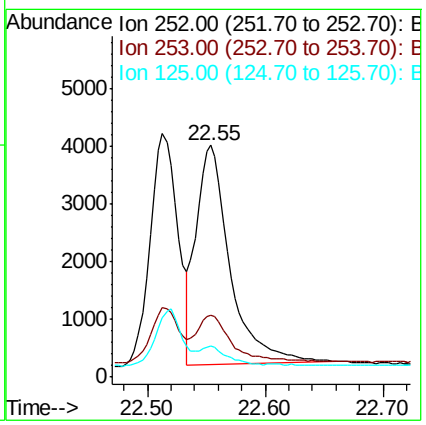


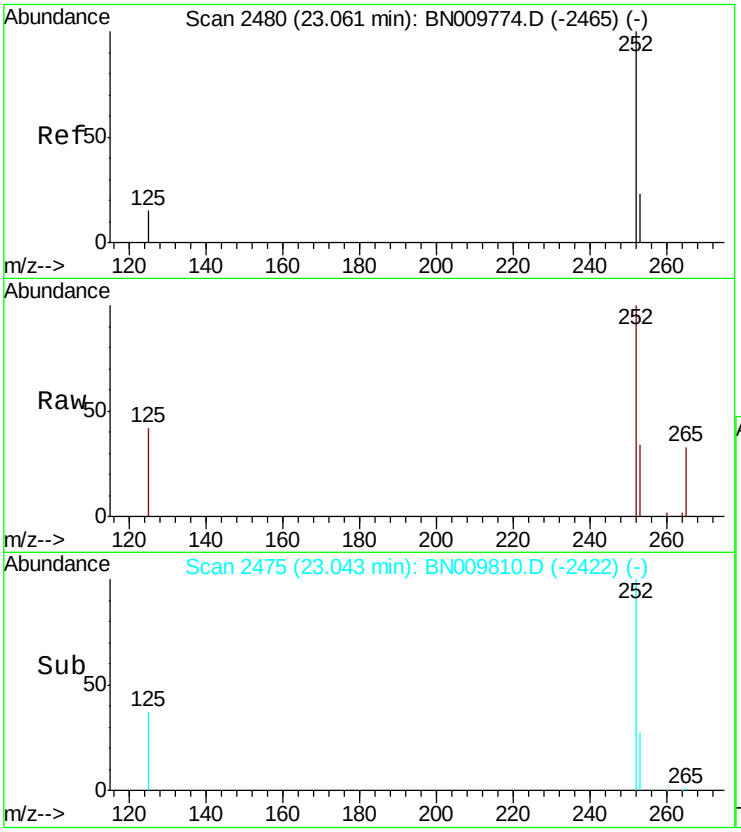


#36
Benzo(k)fluoranthene
Concen: 0.363 ng
RT: 22.55 min Scan# 2332
Delta R.T. -0.01 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Tgt Ion:252 Resp: 7597

Ion	Ratio	Lower	Upper
252	100		
253	26.7	22.2	33.2
125	13.3	10.5	15.7



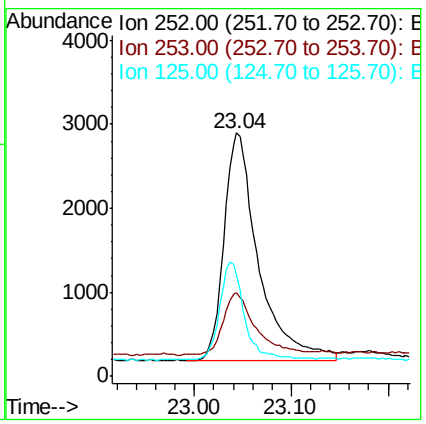


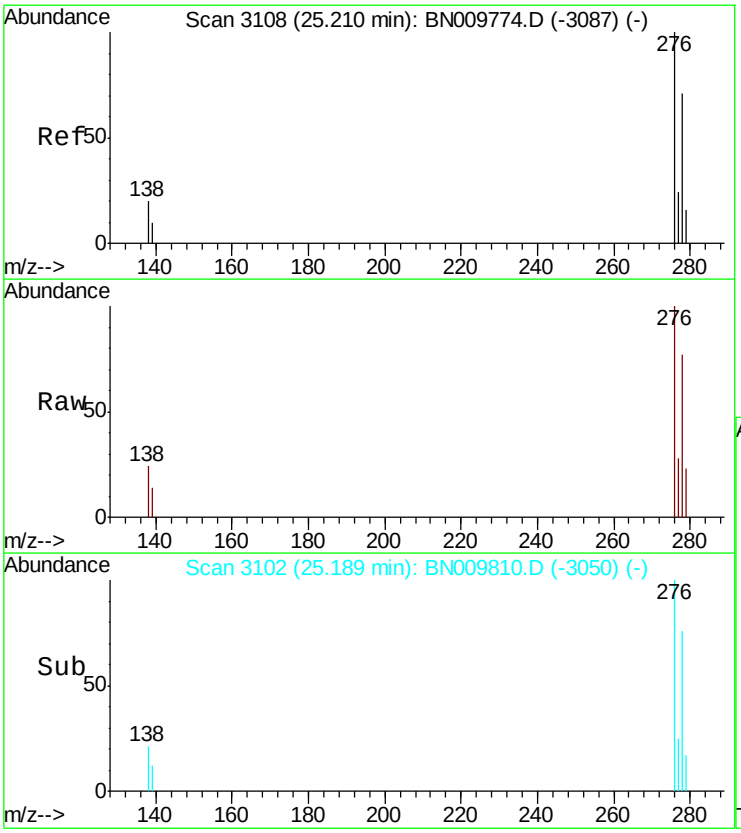
#37
Benzo(a)pyrene
Concen: 0.385 ng
RT: 23.04 min Scan# 2475
Delta R.T. -0.02 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 6738

Ion	Ratio	Lower	Upper
252	100		
253	34.1	25.3	37.9
125	41.8	17.7	26.5#

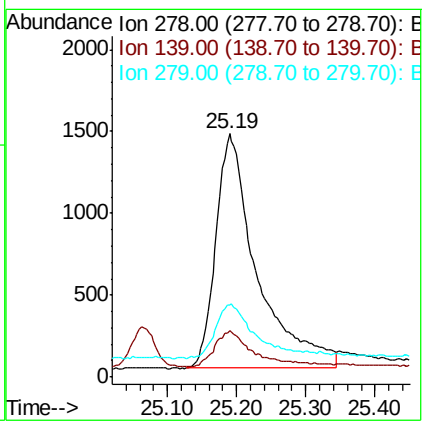


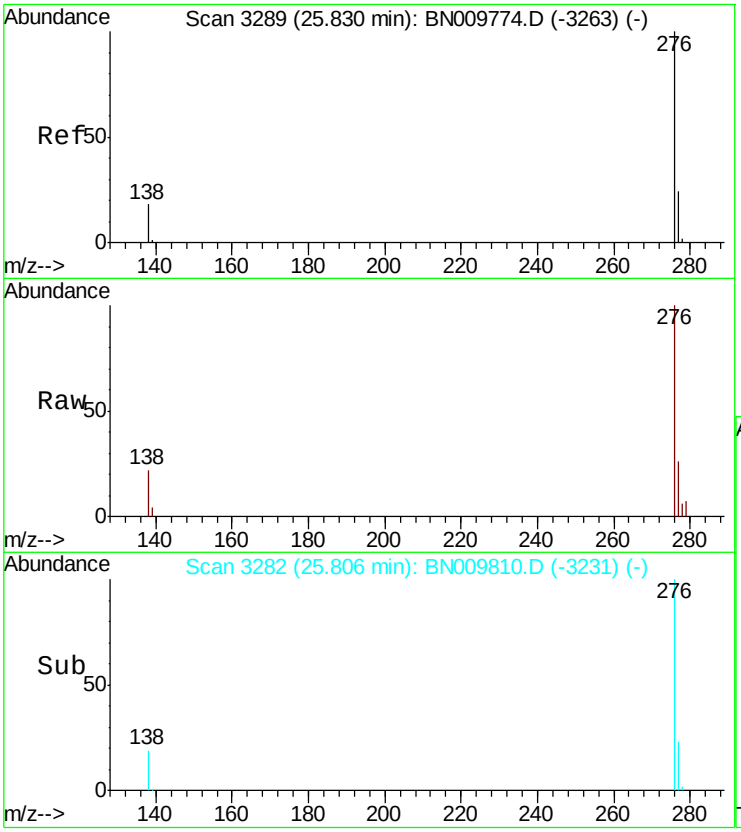


#38
Dibenzo(a,h)anthracene
Concen: 0.340 ng
RT: 25.19 min Scan# 3102
Delta R.T. -0.02 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Tgt Ion:278 Resp: 5868

Ion	Ratio	Lower	Upper
278	100		
139	18.9	14.5	21.7
279	29.6	24.3	36.5





#39
Benzo(g,h,i)perylene
Concen: 0.372 ng
RT: 25.81 min Scan# 3282
Delta R.T. -0.02 min
Lab File: BN009810.D
Acq: 21 Feb 2020 16:39

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 6841

Ion	Ratio	Lower	Upper
276	100		
277	26.1	21.4	32.0
138	21.8	16.6	24.8