Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061920\
Data File : BN011000.D
Acq On : 20 Jun 2020 11:35
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

Quant Time: Jun 22 00:31:18 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 19 12:43:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	2423	0.40	ng		0.00
7) Naphthalene-d8	10.28	136	8446	0.40	ng		0.00
13) Acenaphthene-d10	14.15	164	4793	0.40	ng		-0.01
19) Phenanthrene-d10	16.90	188	11315	0.40	ng		0.00
27) Chrysene-d12	21.11	240	9460	0.40	ng		-0.01
34) Perylene-d12	23.26	264	8546	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.18	112	2156	0.46	ng		0.00
5) Phenol-d6	6.73	99	2482	0.45	ng		0.00
8) Nitrobenzene-d5	8.67	82	2728	0.44	ng		0.00
11) 2-Methylnaphthalene-d10	11.87	152	5470	0.42	ng		0.00
14) 2,4,6-Tribromophenol	15.65	330	691	0.40	ng		0.00
15) 2-Fluorobiphenyl	12.78	172	7937	0.42	ng		0.00
25) Fluoranthene-d10	18.94	212	10793	0.35	ng		0.00
29) Terphenyl-d14	19.56	244	8379	0.38	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.21	88	1181	0.498	ng		97
3) n-Nitrosodimethylamine	3.54	42	675	0.489	ng	#	88
6) bis(2-Chloroethyl)ether	6.98	93	2524	0.470	ng		94
9) Naphthalene	10.33	128	8921	0.420	ng		99
10) Hexachlorobutadiene	10.62	225	2260	0.431	ng	#	96
12) 2-Methylnaphthalene	11.95	142	6000	0.422	ng		100
16) Acenaphthylene	13.87	152	8165	0.416	ng		100
17) Acenaphthene	14.21	154	5503	0.411	ng		99
18) Fluorene	15.21	166	7142	0.414	ng		98
20) 4-Bromophenyl-phenylether	16.10	248	2677	0.394	ng	#	83
21) Hexachlorobenzene	16.22	284	2839	0.400	ng		98
22) Pentachlorophenol	16.57	266	858	0.360	ng		96
23) Phenanthrene	16.94	178	12161	0.394	ng		99
24) Anthracene	17.04	178	9442	0.366	ng		99
26) Fluoranthene	18.97	202	12136	0.346	ng		99
28) Pyrene	19.34	202	12073	0.386	ng		99
30) Benzo(a)anthracene	21.10	228	11380	0.409	ng		99
31) Chrysene	21.15	228	12883	0.398	ng		97
32) Bis(2-ethylhexyl)phthalate	21.06	149	4044	0.436	ng		96
33) Indeno(1,2,3-cd)pyrene	25.36	276	13772	0.380	ng	#	96
35) Benzo(b)fluoranthene	22.63	252	11174	0.385	ng		98
36) Benzo(k)fluoranthene	22.67	252	12037	0.389	ng		99
37) Benzo(a)pyrene	23.17	252	10094	0.405	ng		98
38) Dibenzo(a,h)anthracene	25.37	278	11242	0.396	ng		97
39) Benzo(g,h,i)perylene	26.00	276	11711	0.394	ng		99

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061920\
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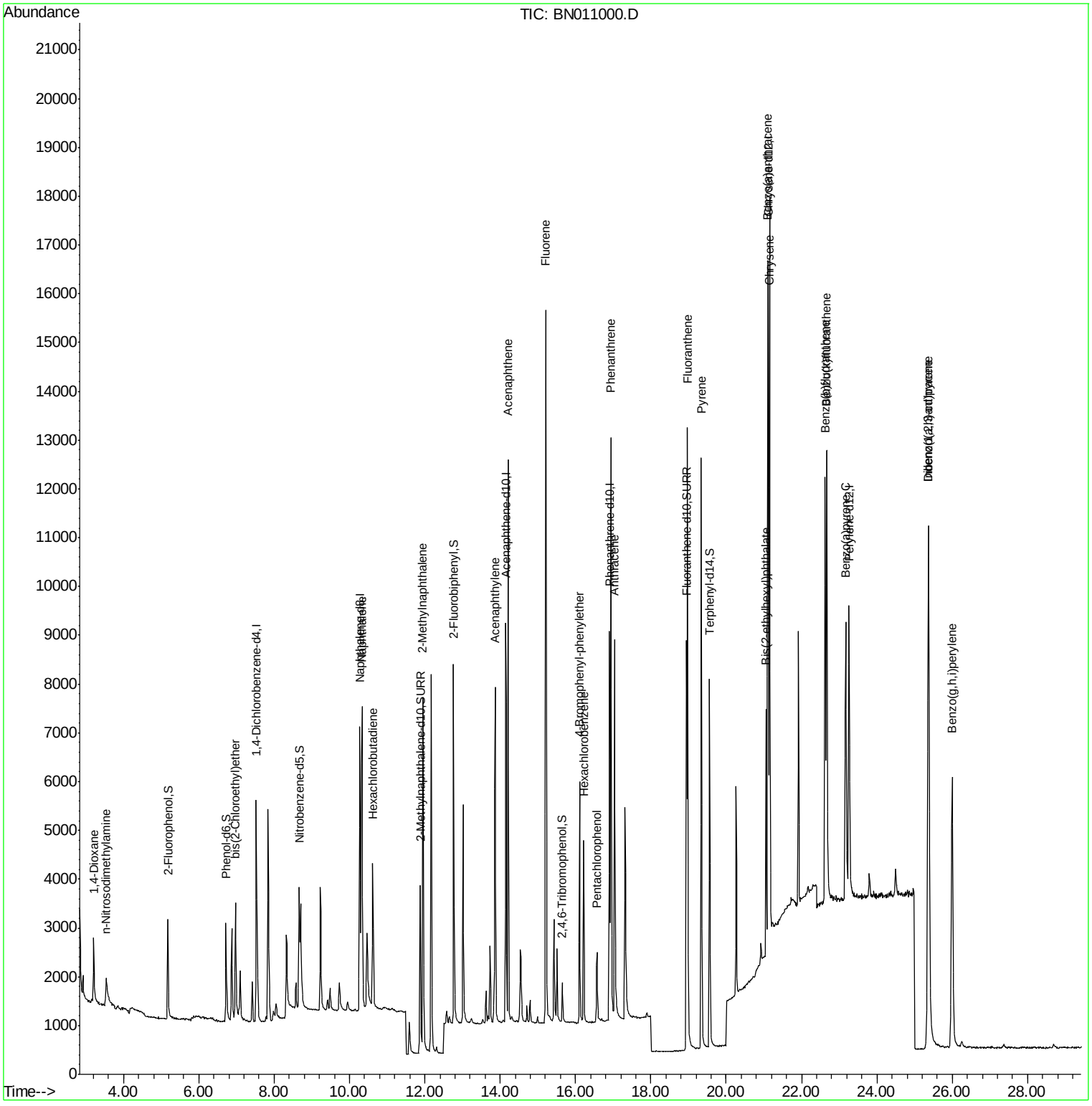
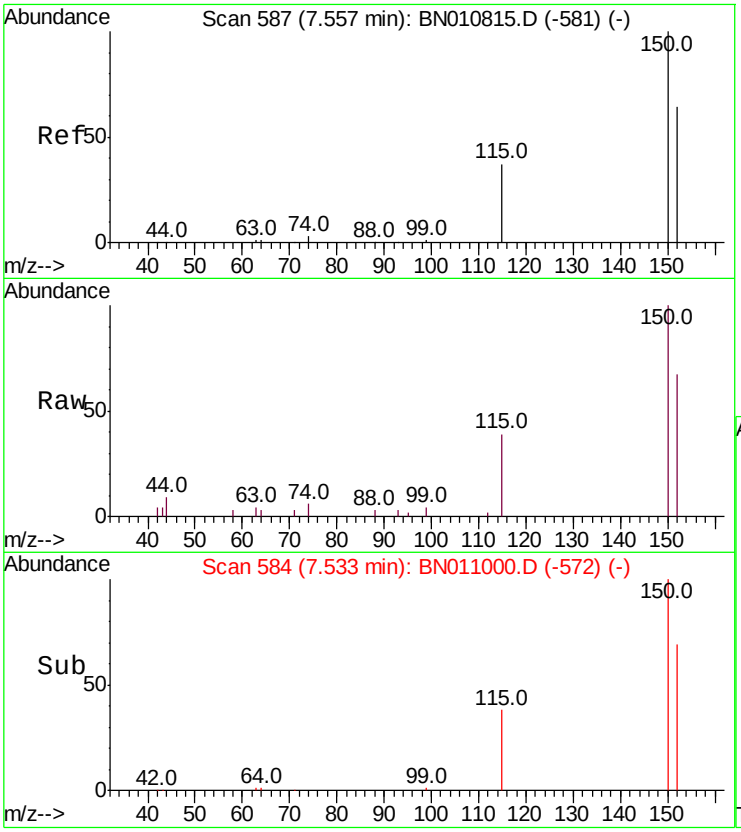
Acq On : 20 Jun 2020 11:35
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Jun 22 00:31:18 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 19 12:43:49 2020
Response via : Initial Calibration



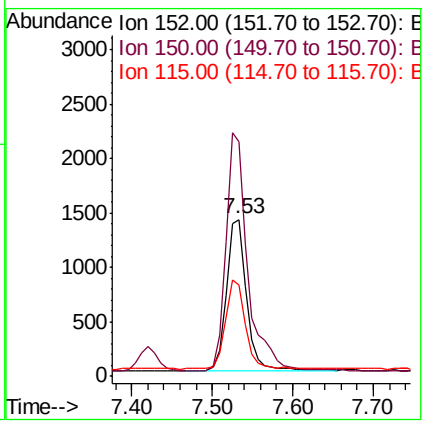


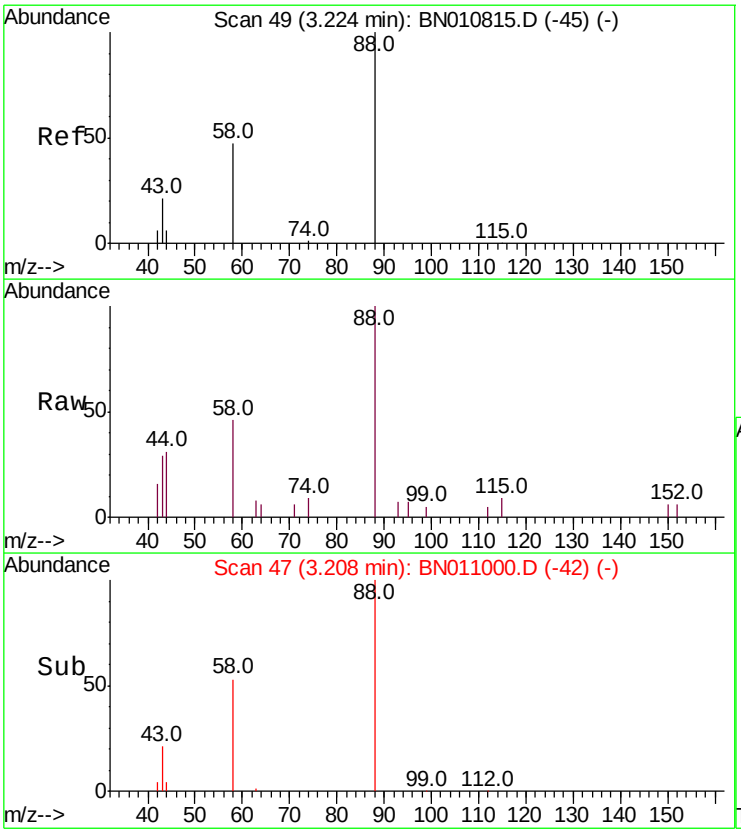
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.53 min Scan# 584
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 2423

Ion	Ratio	Lower	Upper
152	100		
150	149.0	123.8	185.6
115	58.4	49.2	73.8

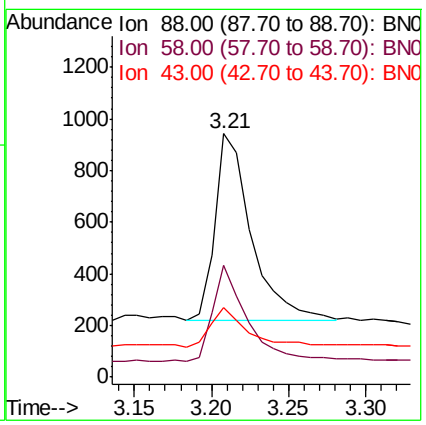


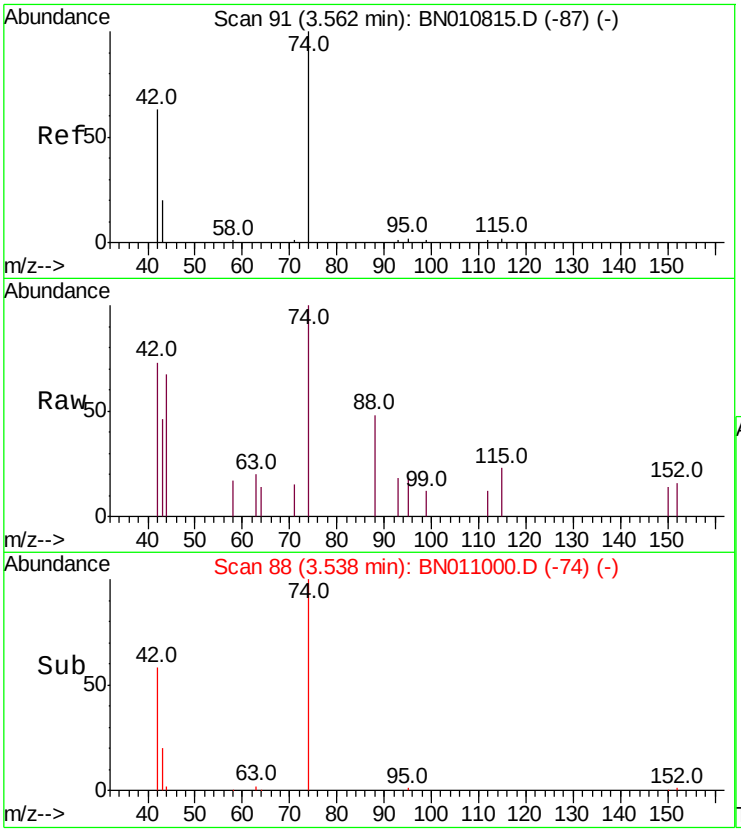


#2
1,4-Dioxane
Concen: 0.498 ng
RT: 3.21 min Scan# 47
Delta R.T. -0.01 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Tgt Ion: 88 Resp: 1181

Ion	Ratio	Lower	Upper
88	100		
58	48.8	38.2	57.4
43	22.1	15.1	22.7



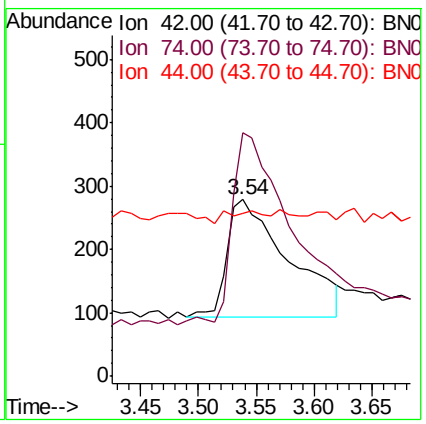


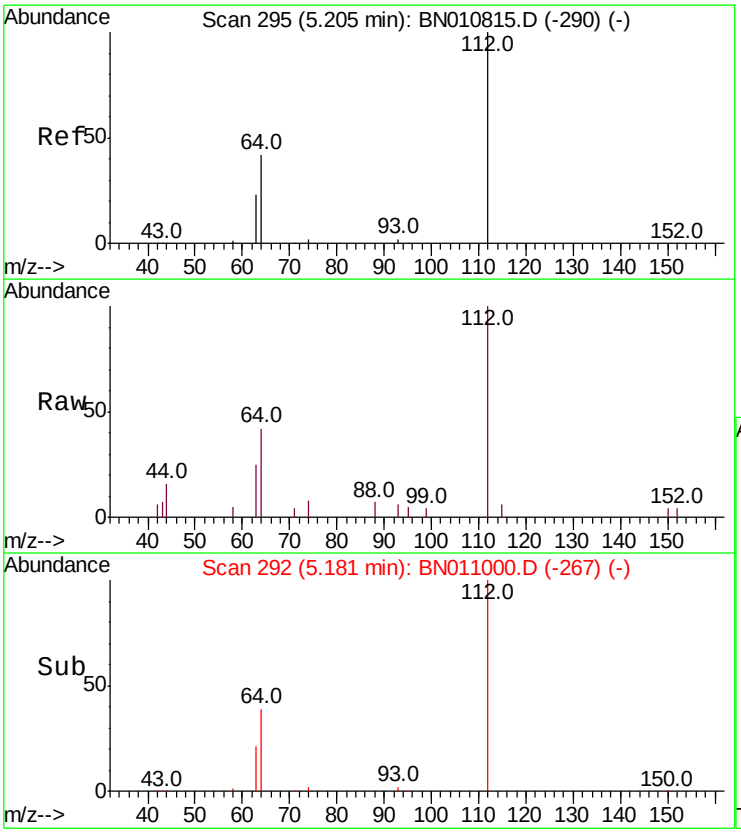
#3
n-Nitrosodimethylamine
Concen: 0.489 ng
RT: 3.54 min Scan# 88
Delta R.T. 0.02 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 675

Ion	Ratio	Lower	Upper
42	100		
74	159.6	140.7	211.1
44	6.7	1.4	2.2#

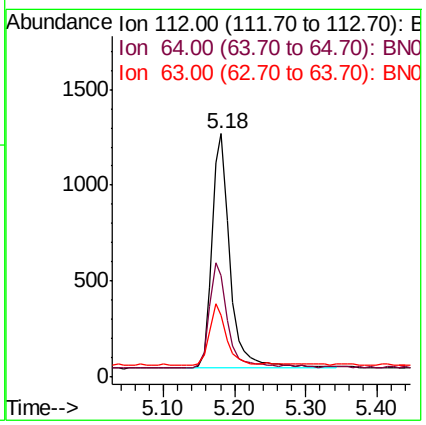


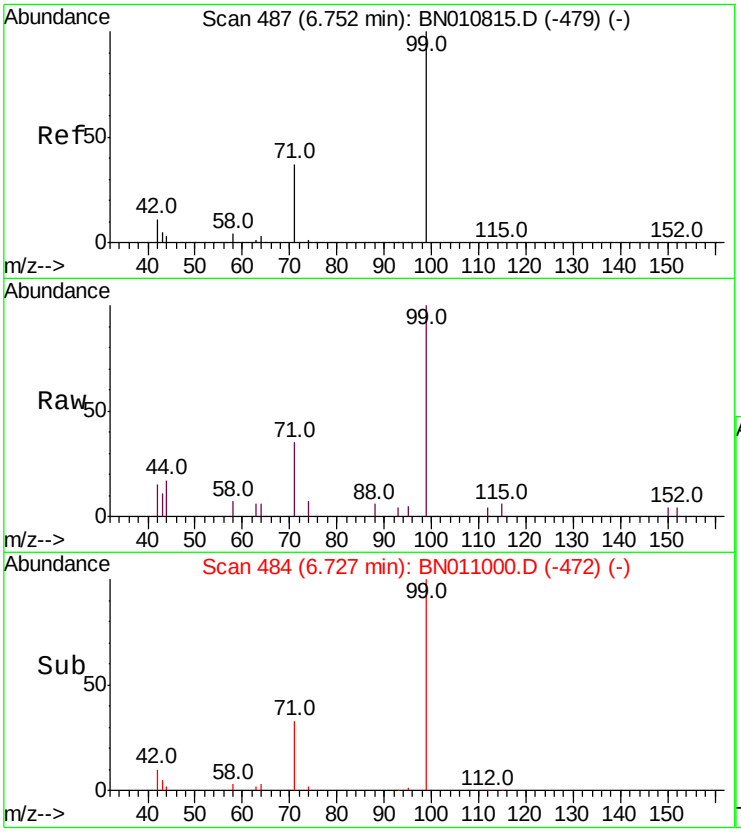


#4
2-Fluorophenol
Concen: 0.461 ng
RT: 5.18 min Scan# 292
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Tgt Ion:112 Resp: 2156

Ion	Ratio	Lower	Upper
112	100		
64	45.0	37.4	56.0
63	24.0	22.2	33.4



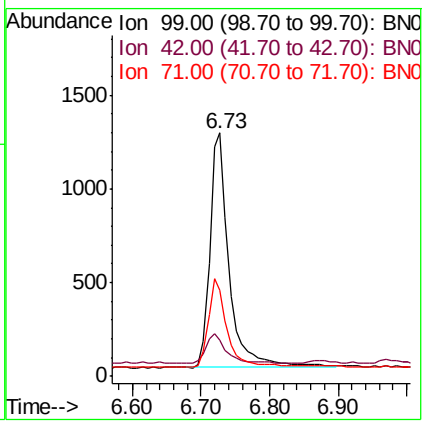


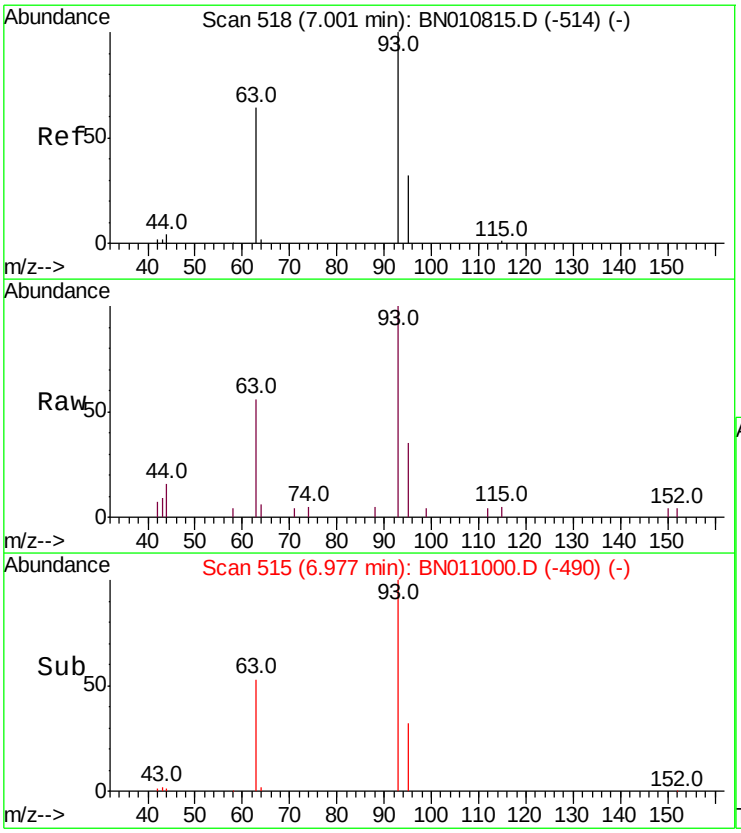
#5
Phenol-d6
Concen: 0.450 ng
RT: 6.73 min Scan# 484
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 2482

Ion	Ratio	Lower	Upper
99	100		
42	13.3	11.1	16.7
71	36.1	31.4	47.2

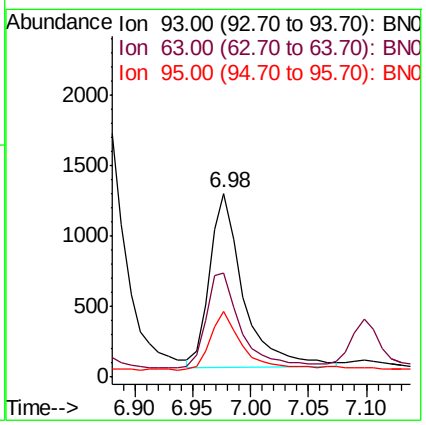


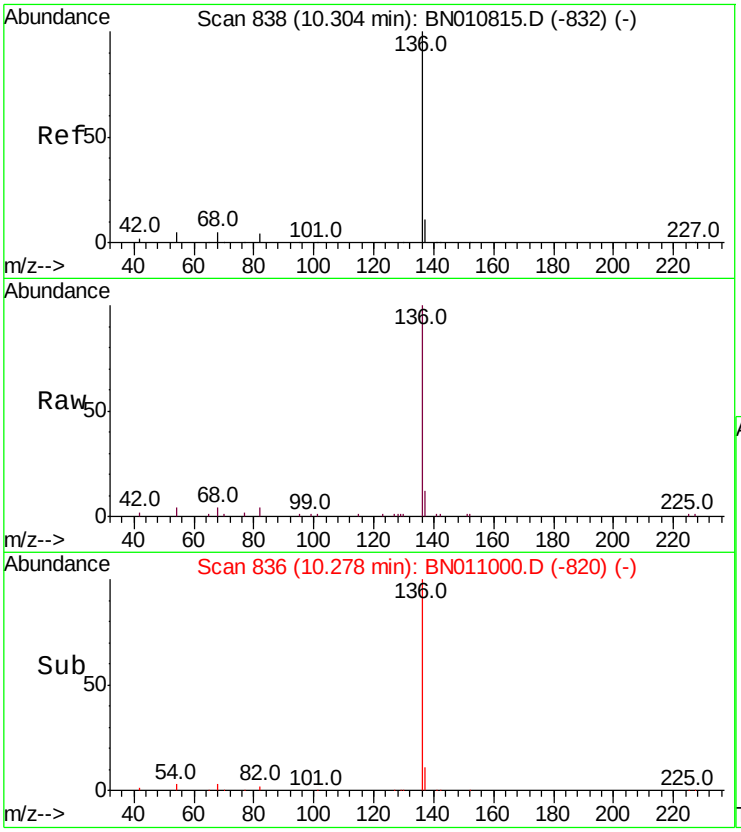


#6
bis(2-Chloroethyl)ether
Concen: 0.470 ng
RT: 6.98 min Scan# 515
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Tgt Ion: 93 Resp: 2524

Ion	Ratio	Lower	Upper
93	100		
63	55.5	49.4	74.2
95	31.7	26.7	40.1



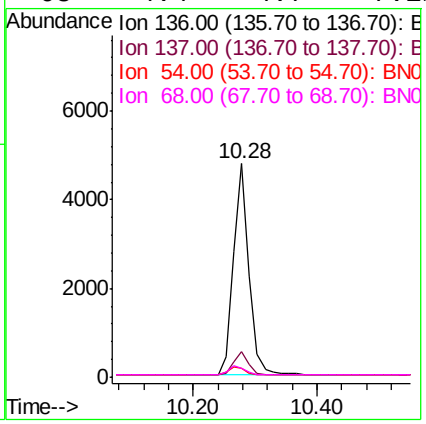


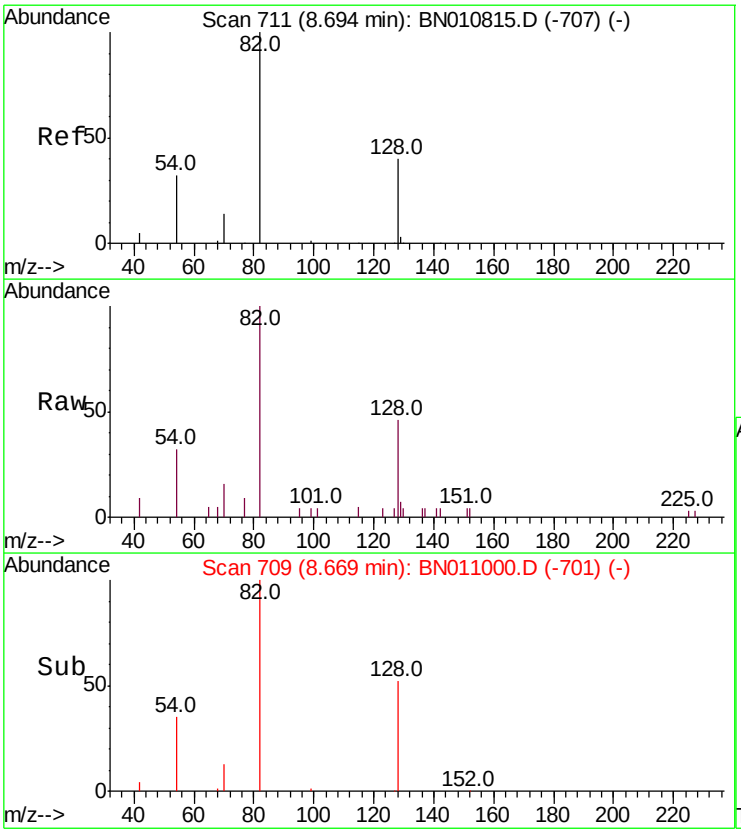
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.28 min Scan# 836
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 8446

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.7	14.5
54	4.1	4.9	7.3#
68	4.4	4.7	7.1#

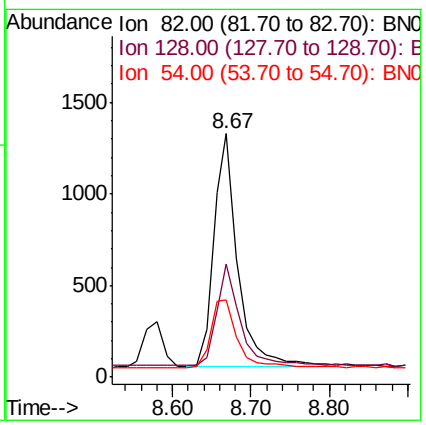


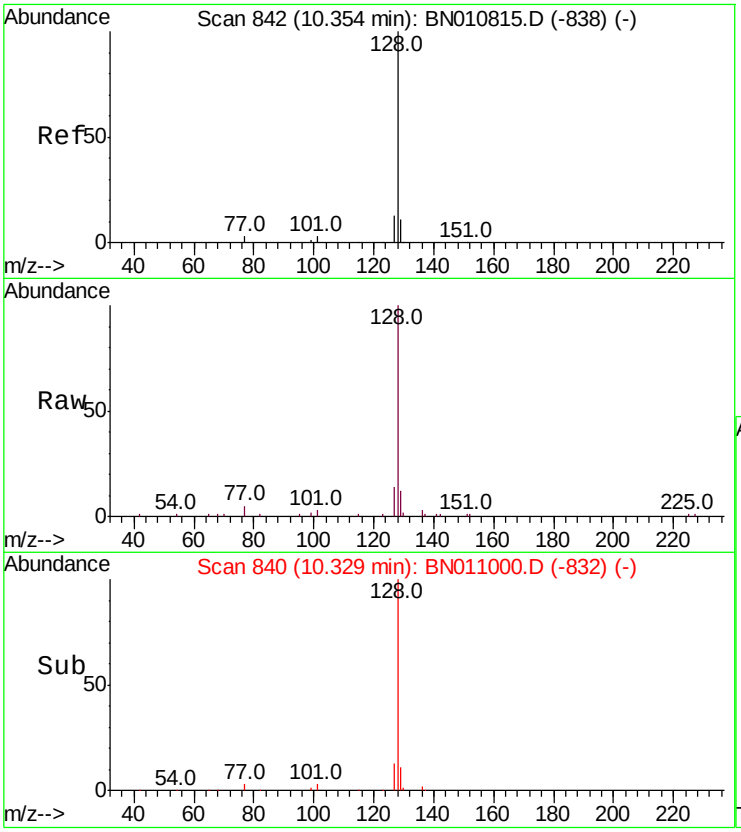


#8
Nitrobenzene-d5
Concen: 0.436 ng
RT: 8.67 min Scan# 709
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Tgt Ion: 82 Resp: 2728

Ion	Ratio	Lower	Upper
82	100		
128	46.5	35.4	53.0
54	32.0	28.2	42.4

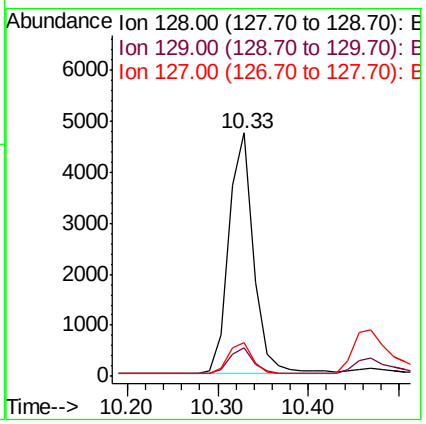




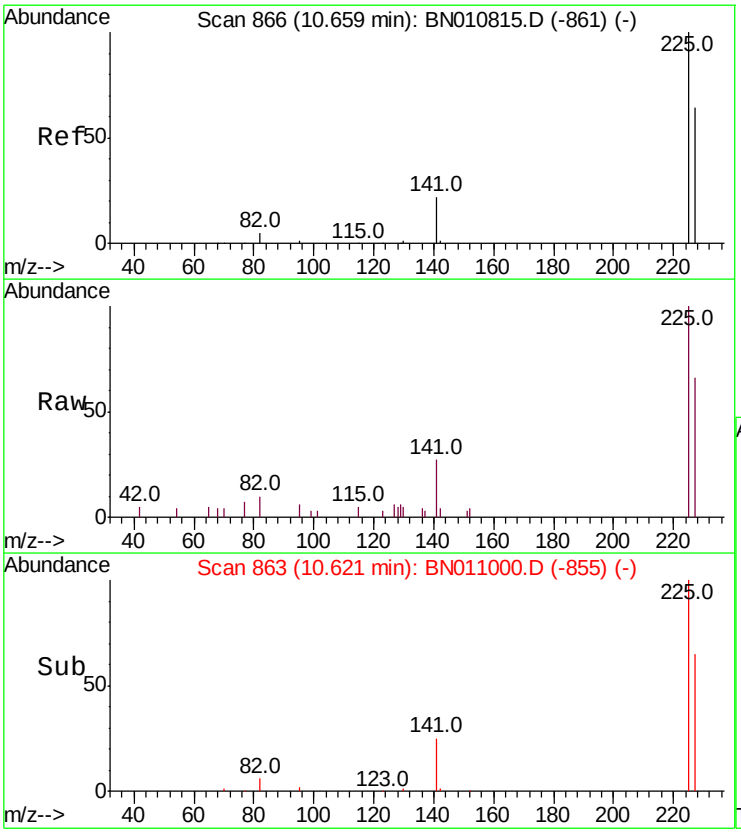
#9
Naphthalene
Concen: 0.420 ng
RT: 10.33 min Scan# 840
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Tgt Ion:128 Resp: 8921

Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.6	14.4
127	13.6	11.4	17.2



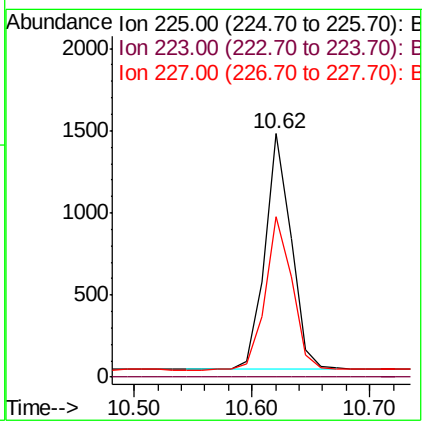
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

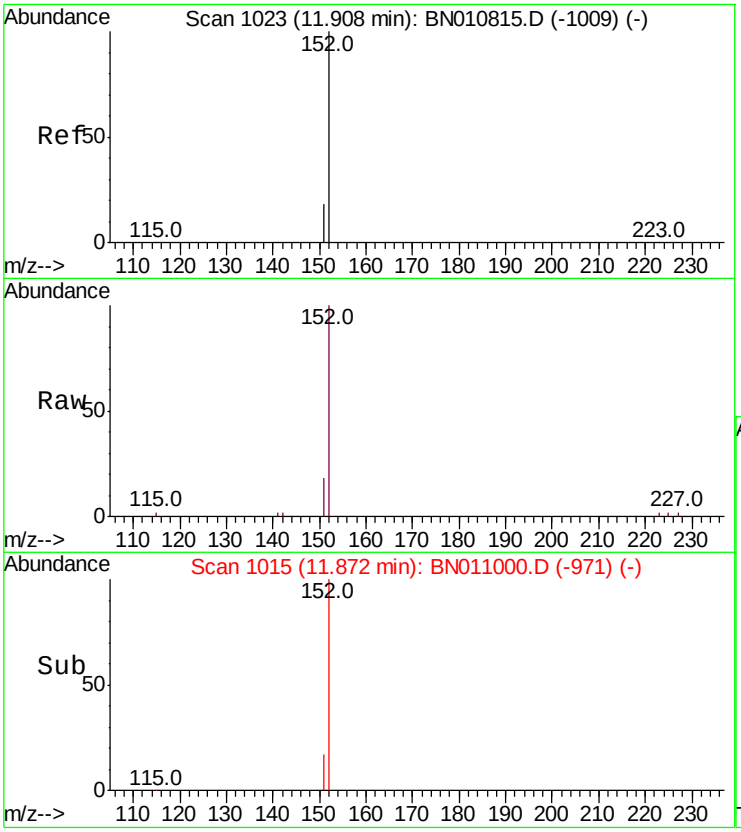


#10
Hexachlorobutadiene
Concen: 0.431 ng
RT: 10.62 min Scan# 863
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Tgt Ion:225 Resp: 2260

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	66.1	50.5	75.7



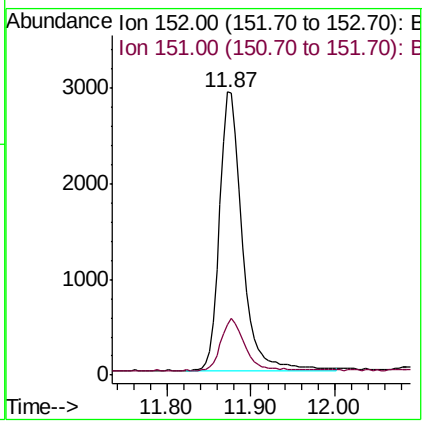


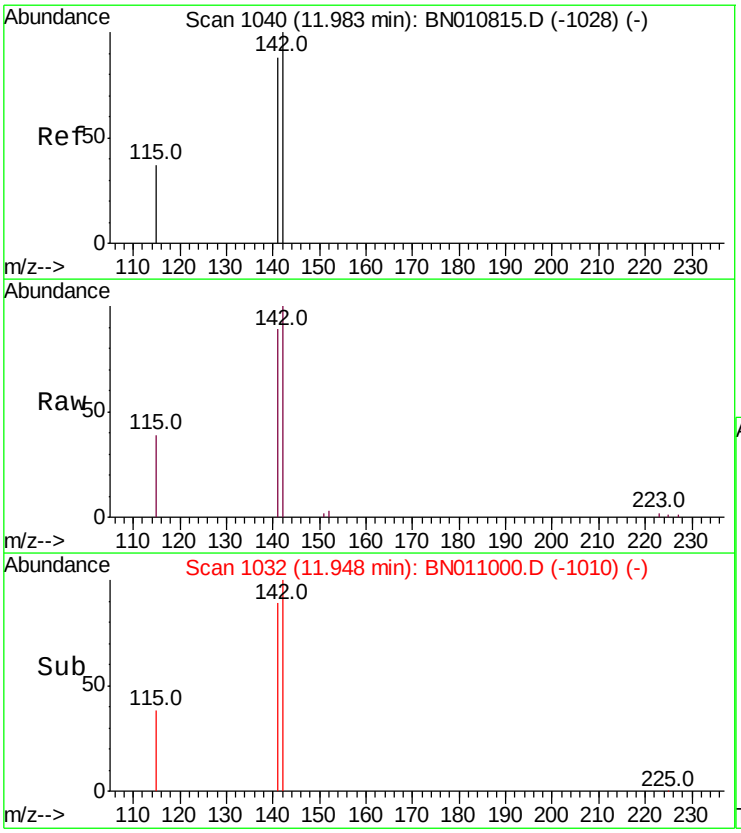
#11
2-Methylnaphthalene-d10
Concen: 0.418 ng
RT: 11.87 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 5470

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.3	22.9

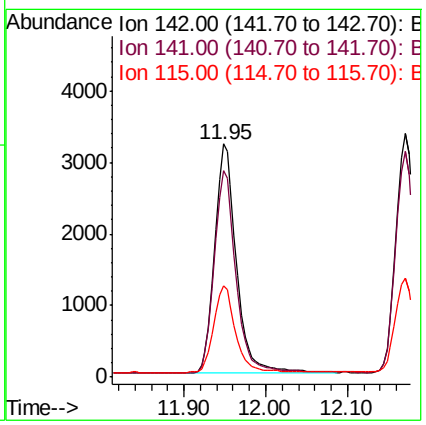


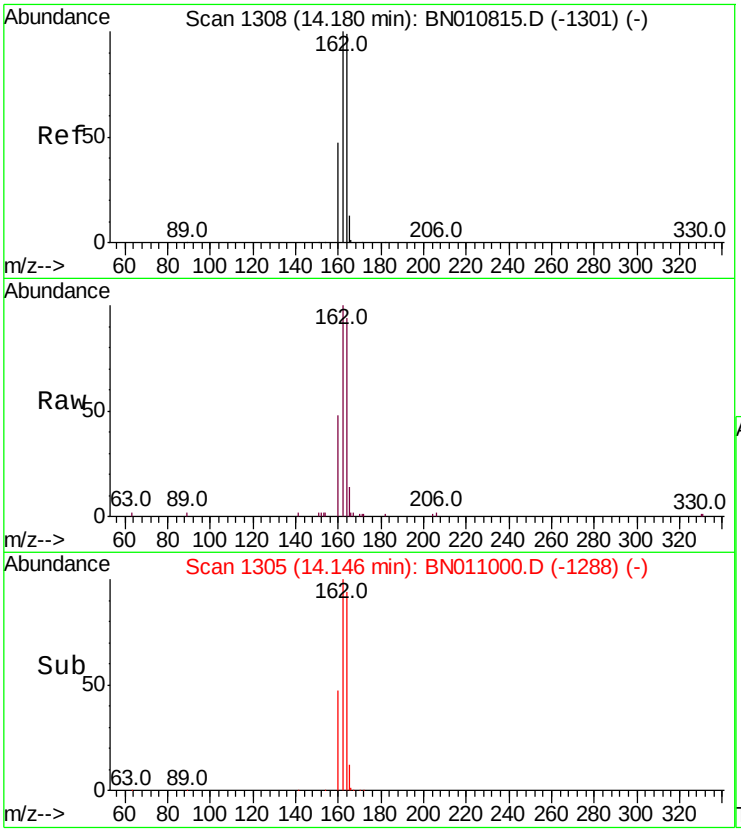


#12
2-Methylnaphthalene
Concen: 0.422 ng
RT: 11.95 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Tgt Ion:142 Resp: 6000

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.8	106.2
115	39.0	31.5	47.3



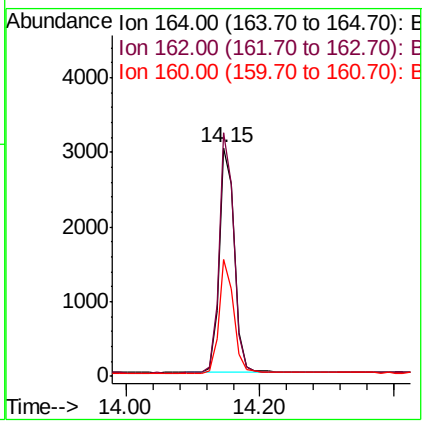


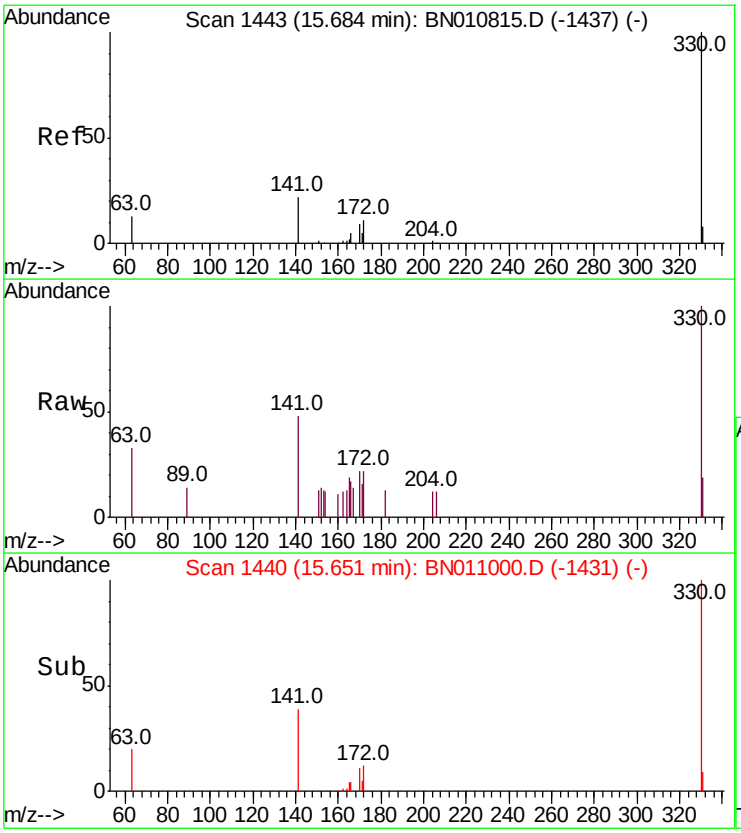
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.15 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 4793

Ion	Ratio	Lower	Upper
164	100		
162	106.6	81.0	121.6
160	51.2	38.9	58.3

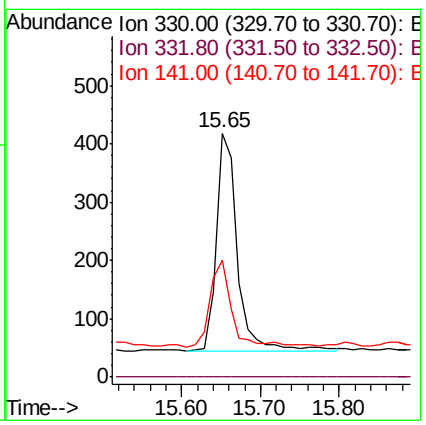


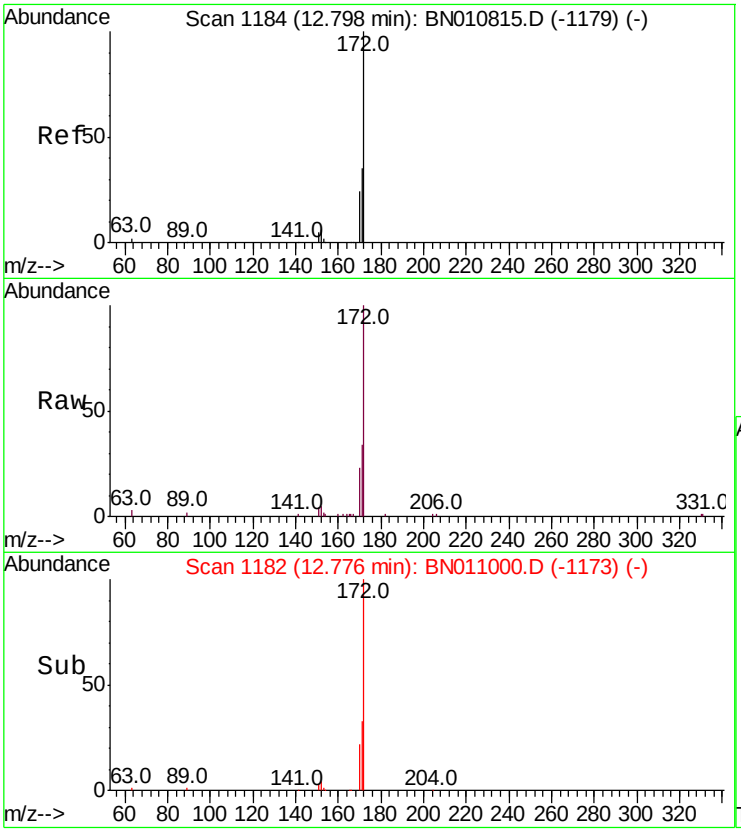


#14
2,4,6-Tribromophenol
Concen: 0.403 ng
RT: 15.65 min Scan# 1440
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Tgt Ion:330 Resp: 691

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	41.7	33.2	49.8



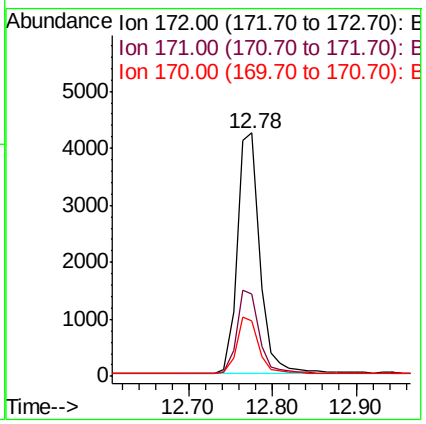


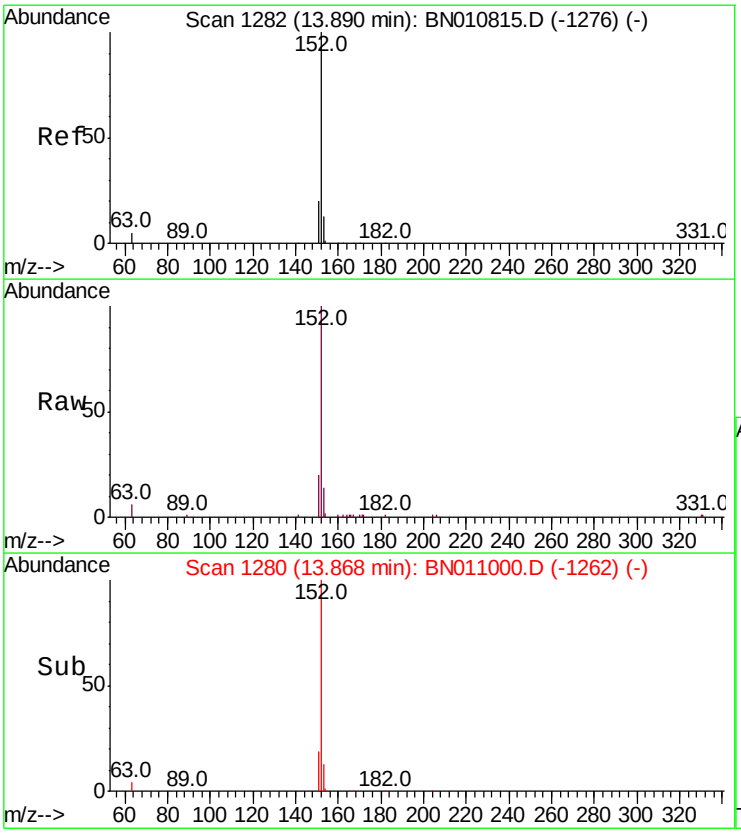
#15
2-Fluorobiphenyl
Concen: 0.420 ng
RT: 12.78 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 7937

Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.5	42.7
170	22.7	19.7	29.5

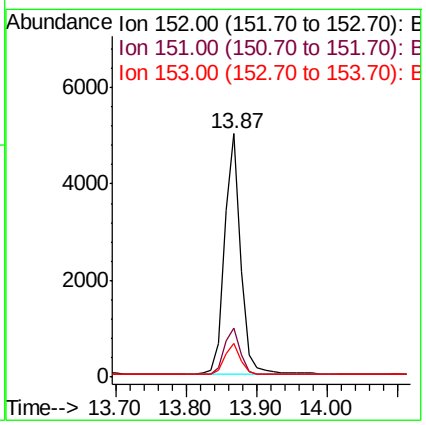


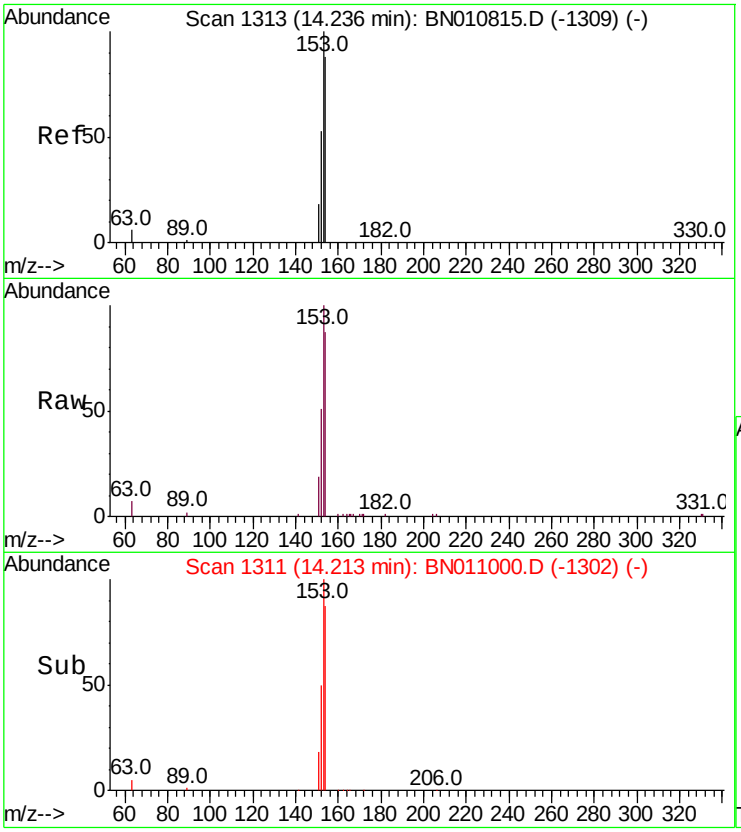


#16
Acenaphthylene
Concen: 0.416 ng
RT: 13.87 min Scan# 1280
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Tgt Ion:152 Resp: 8165

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.6	23.4
153	13.1	10.6	16.0



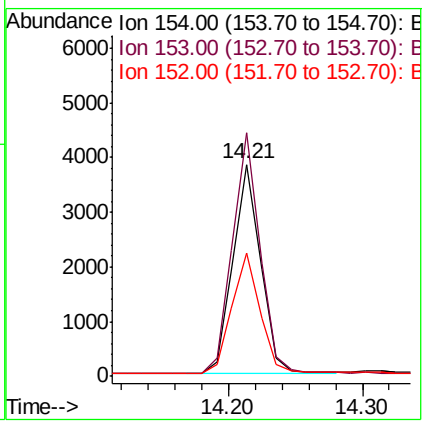


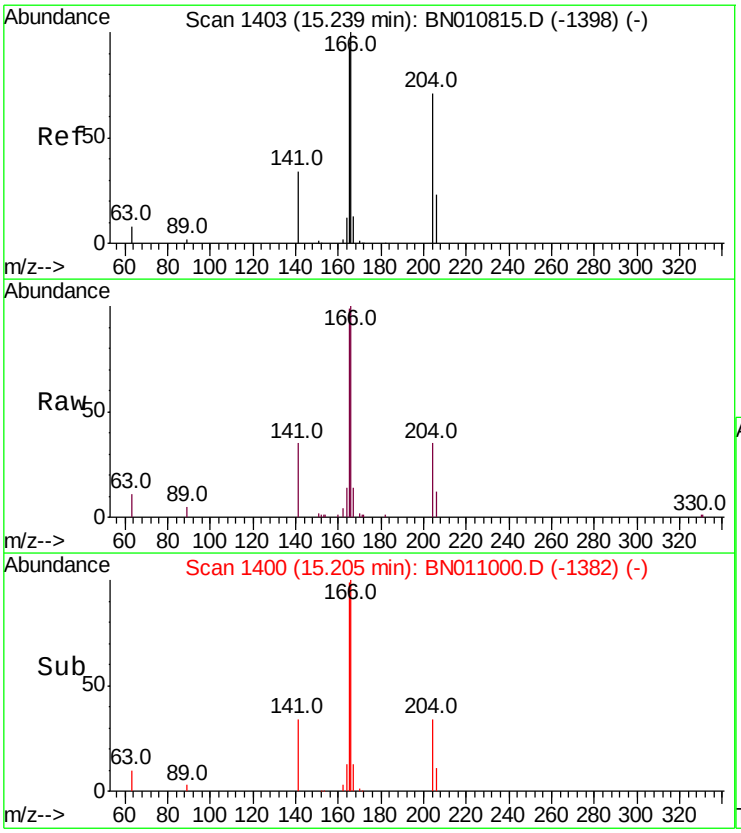
#17
Acenaphthene
Concen: 0.411 ng
RT: 14.21 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 5503

Ion	Ratio	Lower	Upper
154	100		
153	115.5	91.8	137.6
152	58.5	47.6	71.4

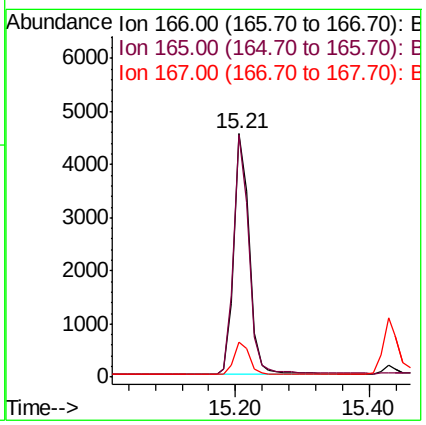


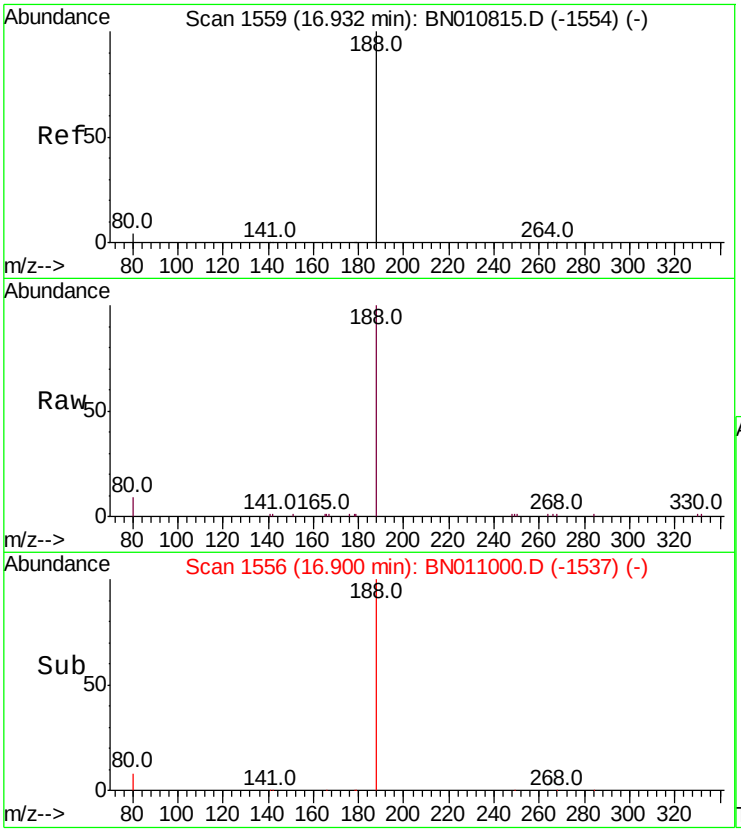


#18
Fluorene
Concen: 0.414 ng
RT: 15.21 min Scan# 1400
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Tgt Ion:166 Resp: 7142

Ion	Ratio	Lower	Upper
166	100		
165	98.5	77.2	115.8
167	13.8	10.7	16.1



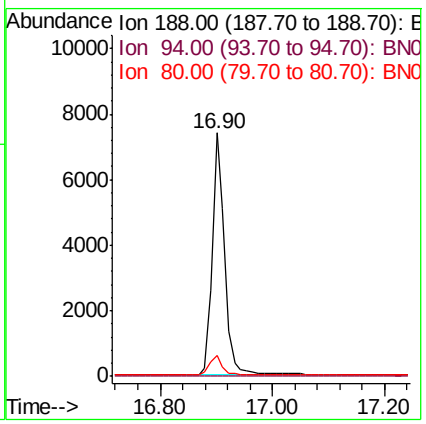


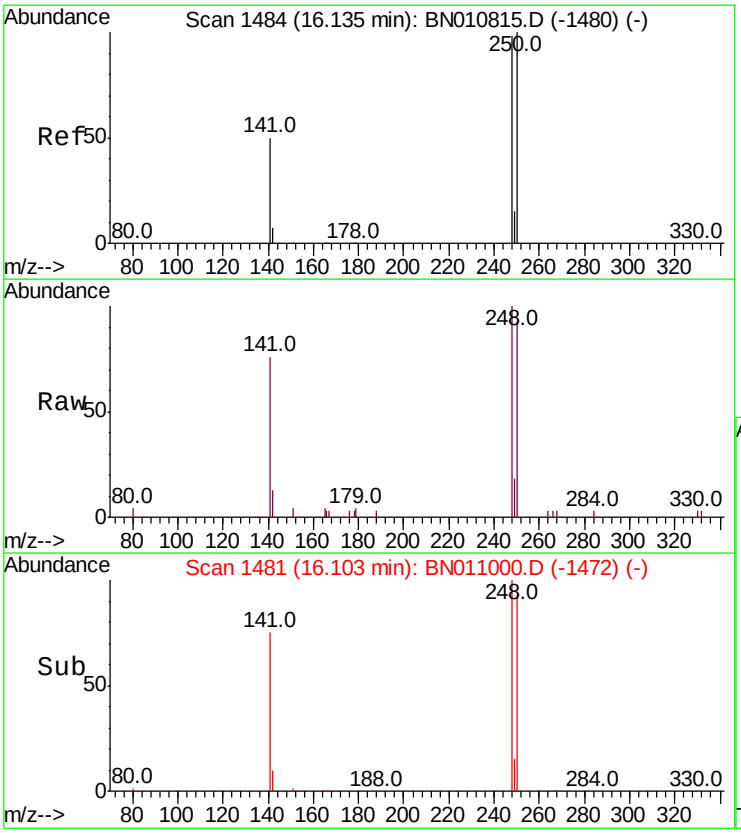
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.90 min Scan# 1556
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 11315

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.5	4.5	6.7#

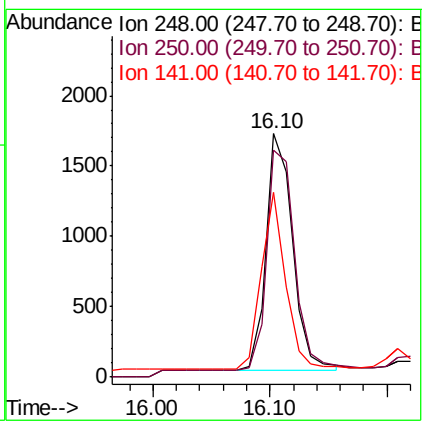


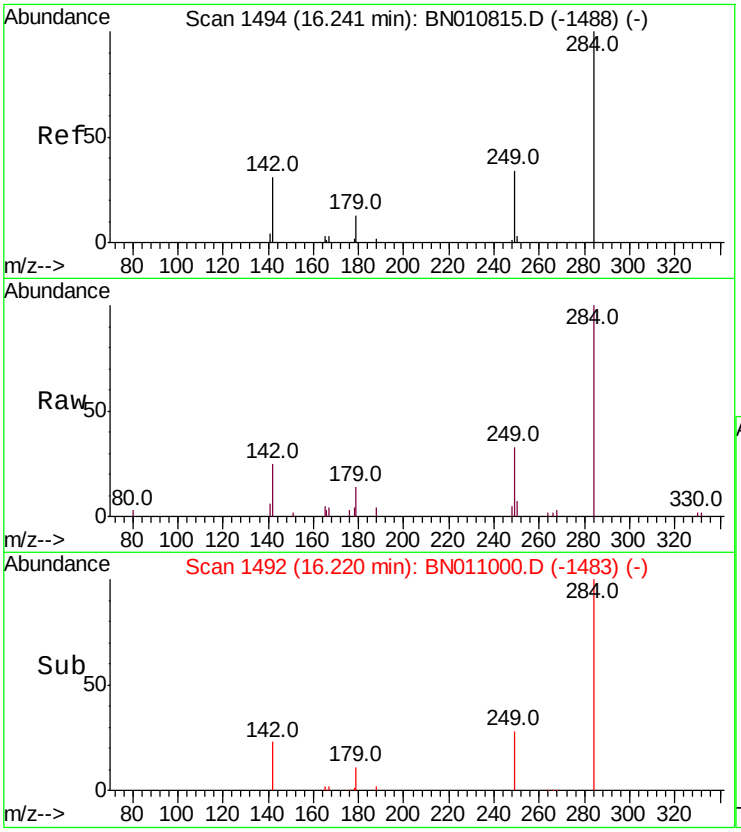


#20
4-Bromophenyl-phenylether
Concen: 0.394 ng
RT: 16.10 min Scan# 1481
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Tgt Ion:248 Resp: 2677

Ion	Ratio	Lower	Upper
248	100		
250	93.0	81.8	122.8
141	75.8	42.6	64.0#



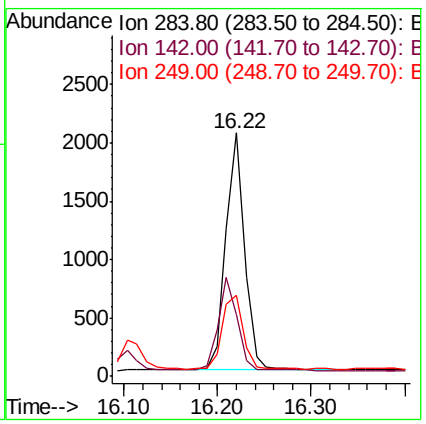


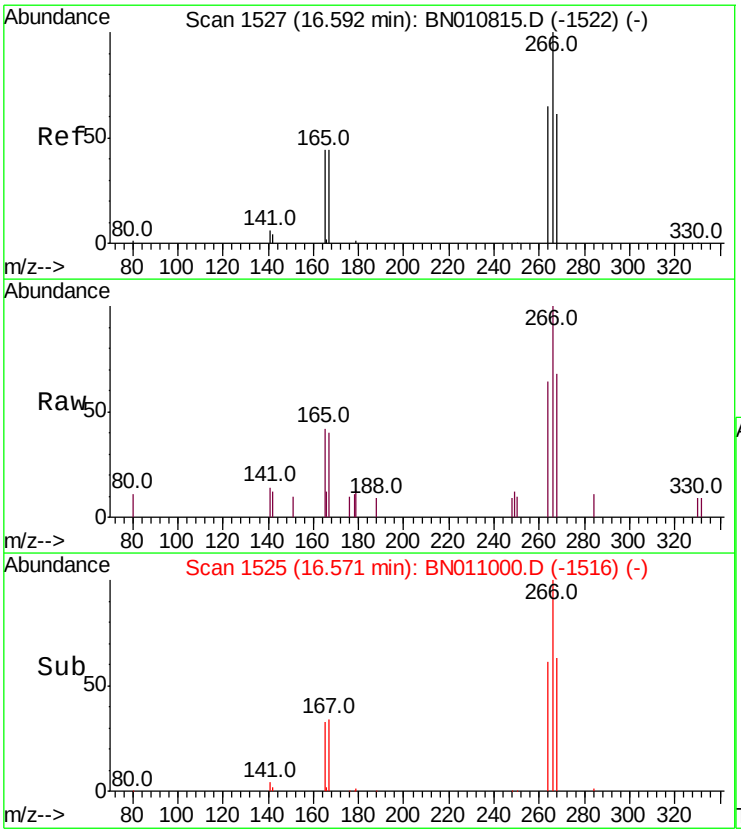
#21
Hexachlorobenzene
Concen: 0.400 ng
RT: 16.22 min Scan# 1492
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 2839

Ion	Ratio	Lower	Upper
284	100		
142	40.4	31.0	46.4
249	34.6	27.1	40.7

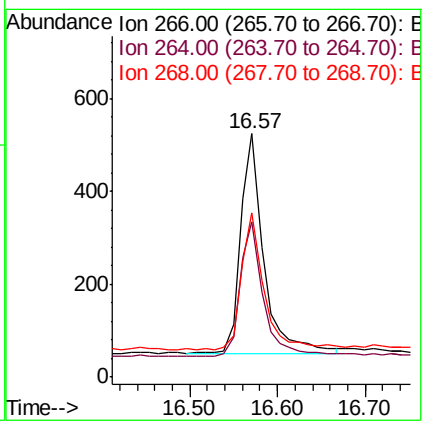


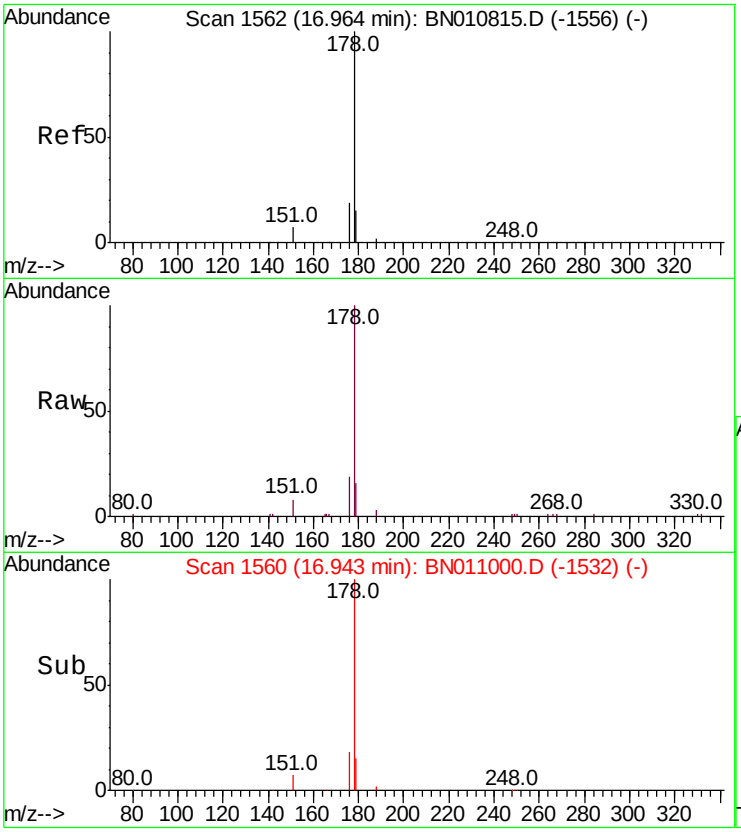


#22
Pentachlorophenol
Concen: 0.360 ng
RT: 16.57 min Scan# 1525
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Tgt Ion:266 Resp: 858

Ion	Ratio	Lower	Upper
266	100		
264	63.5	54.8	82.2
268	67.6	55.9	83.9



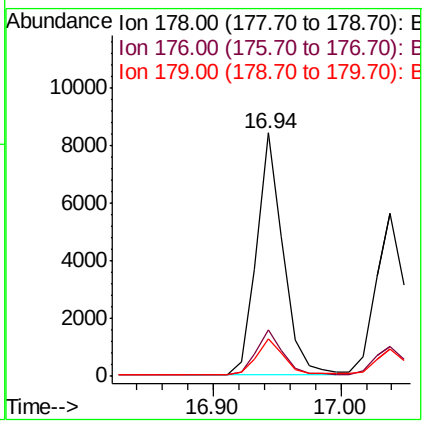


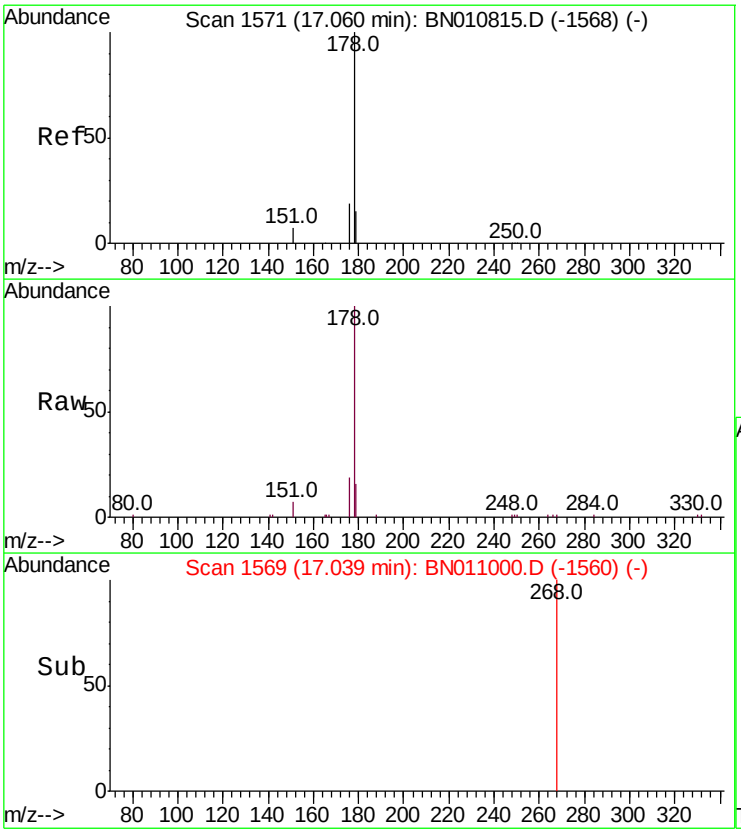
#23
Phenanthrene
Concen: 0.394 ng
RT: 16.94 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 12161

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.3	22.9
179	15.2	12.6	19.0

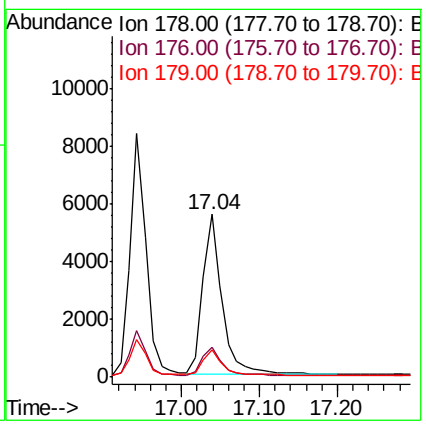


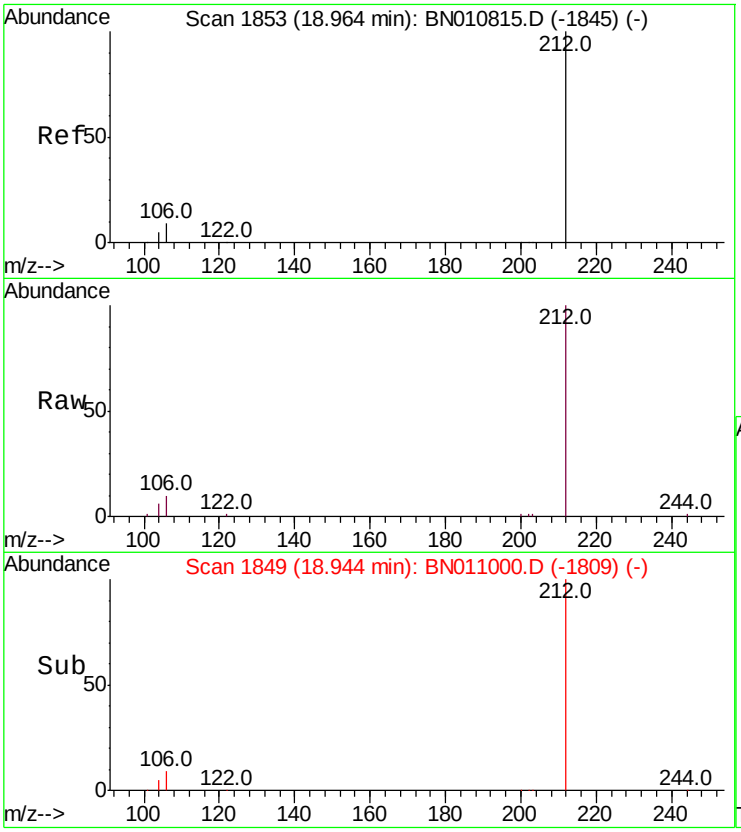


#24
Anthracene
Concen: 0.366 ng
RT: 17.04 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Tgt Ion:178 Resp: 9442

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	22.0
179	15.9	12.3	18.5



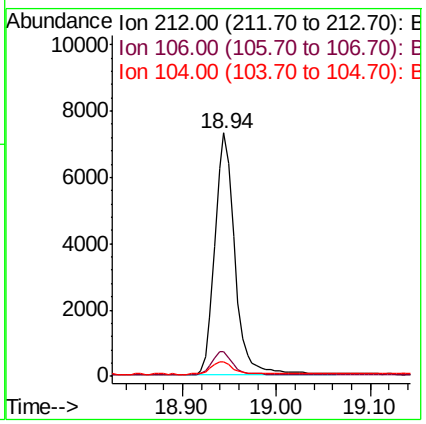


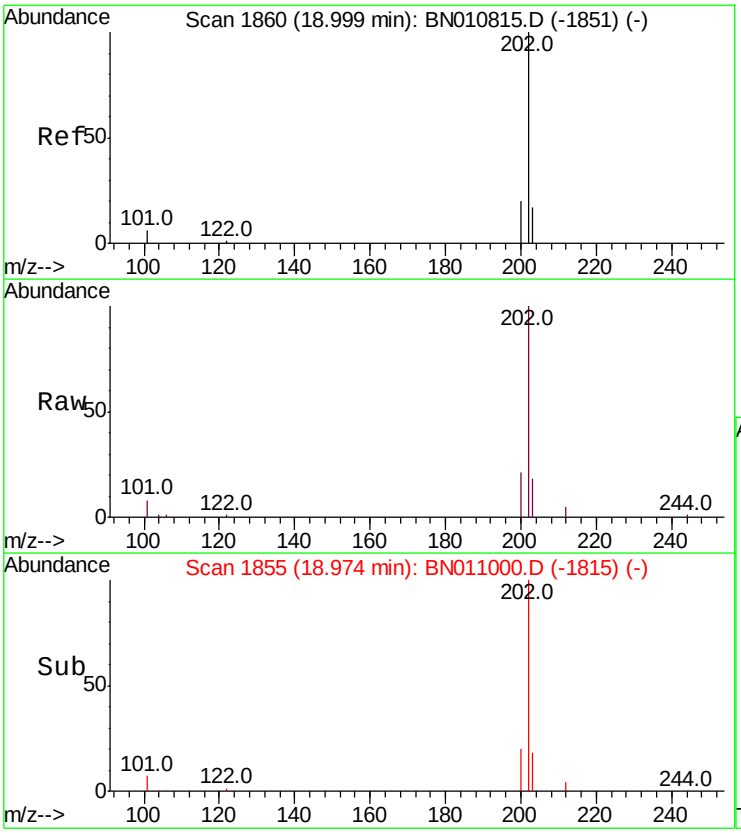
#25
Fluoranthene-d10
Concen: 0.346 ng
RT: 18.94 min Scan# 1849
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 10793

Ion	Ratio	Lower	Upper
212	100		
106	9.5	6.6	10.0
104	5.4	4.0	6.0

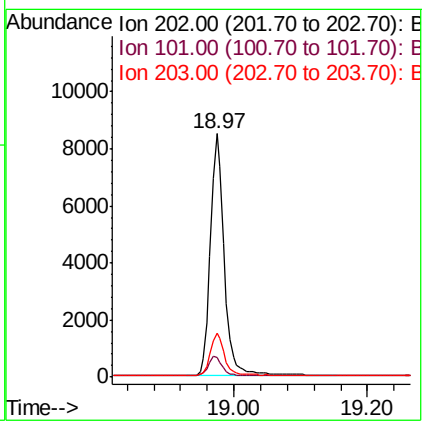


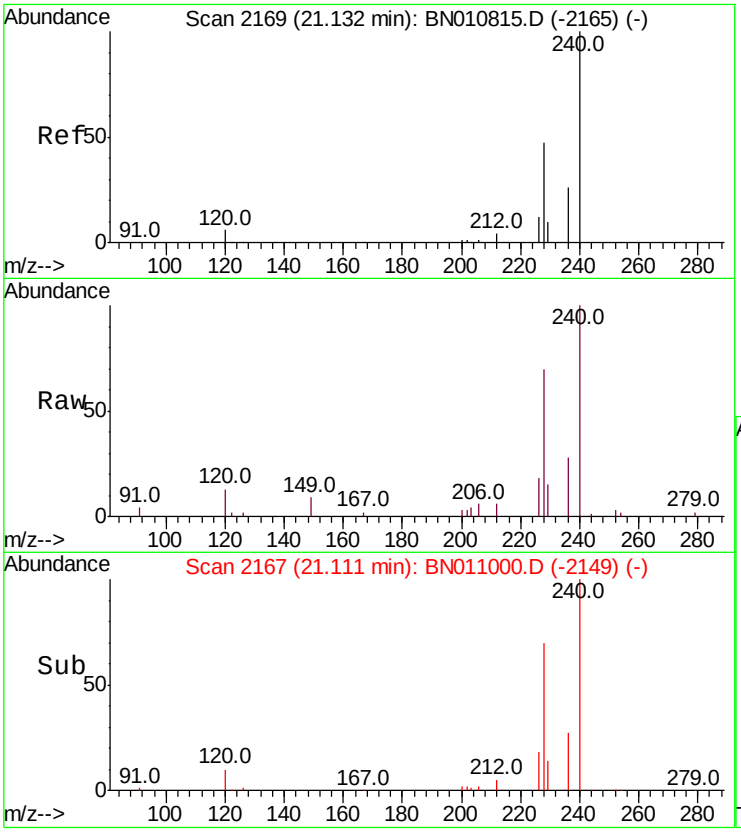


#26
Fluoranthene
Concen: 0.346 ng
RT: 18.97 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Tgt Ion:202 Resp: 12136

Ion	Ratio	Lower	Upper
202	100		
101	8.1	5.8	8.6
203	17.3	13.7	20.5



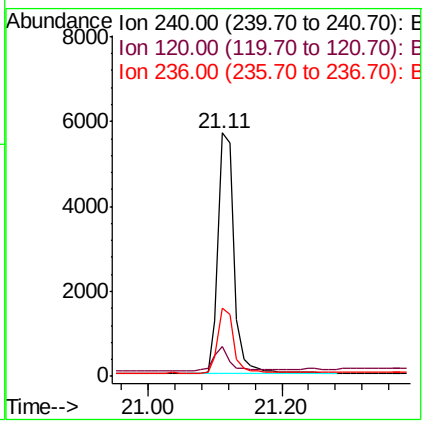


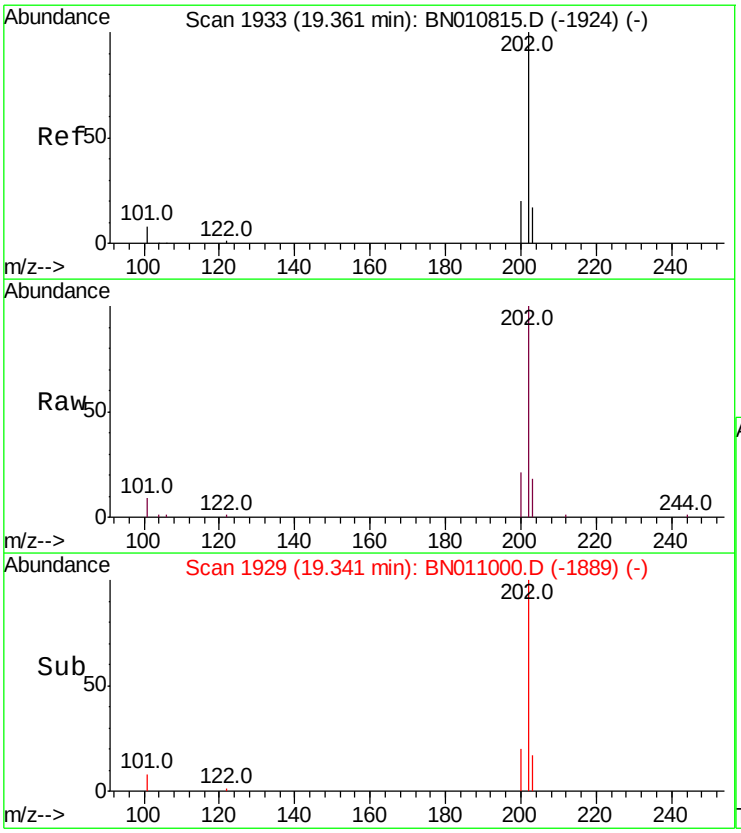
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.11 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 9460

Ion	Ratio	Lower	Upper
240	100		
120	12.5	7.5	11.3#
236	28.2	22.3	33.5

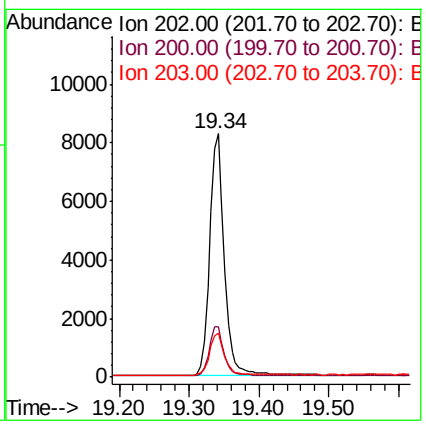


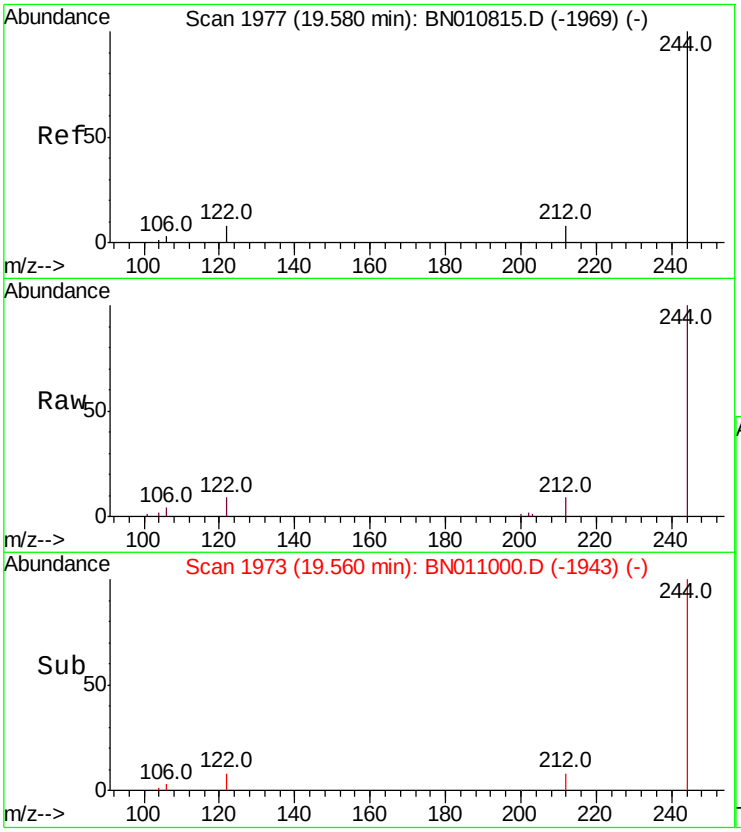


#28
Pyrene
Concen: 0.386 ng
RT: 19.34 min Scan# 1929
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Tgt Ion:202 Resp: 12073

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.4	24.6
203	17.3	14.2	21.4



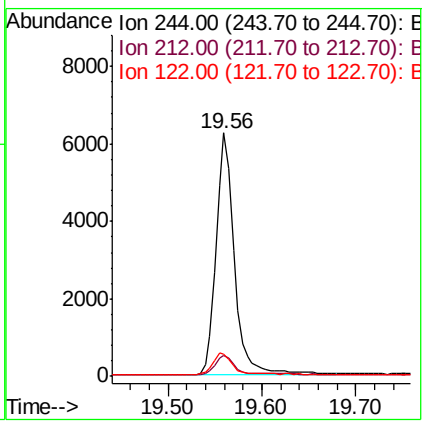


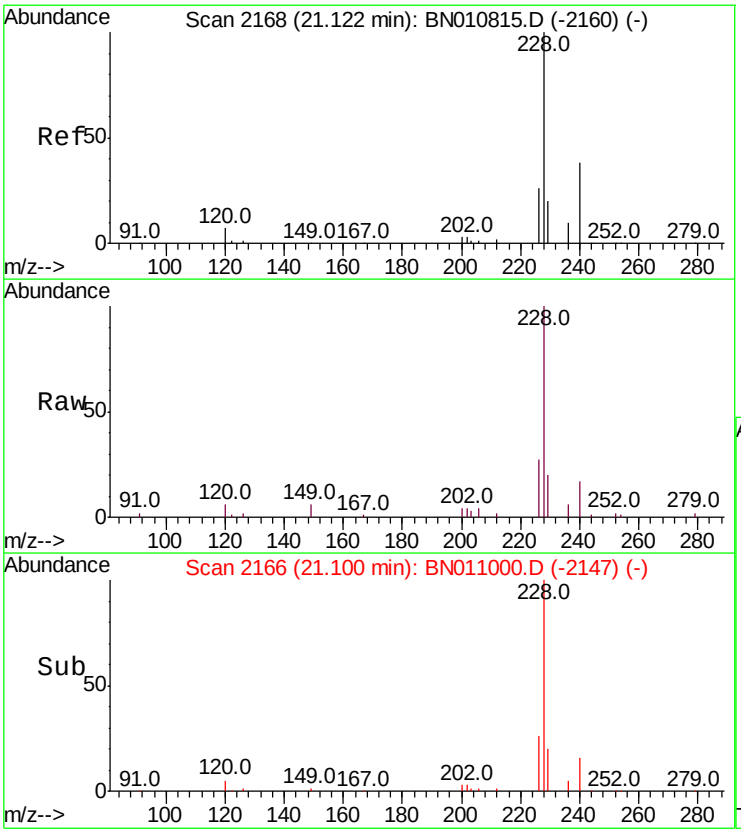
#29
Terphenyl-d14
Concen: 0.378 ng
RT: 19.56 min Scan# 1973
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 8379

Ion	Ratio	Lower	Upper
244	100		
212	8.5	7.4	11.2
122	9.2	7.5	11.3

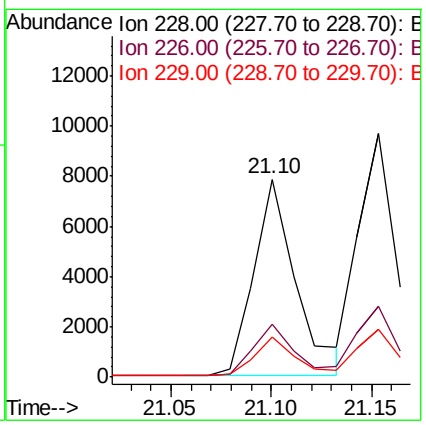


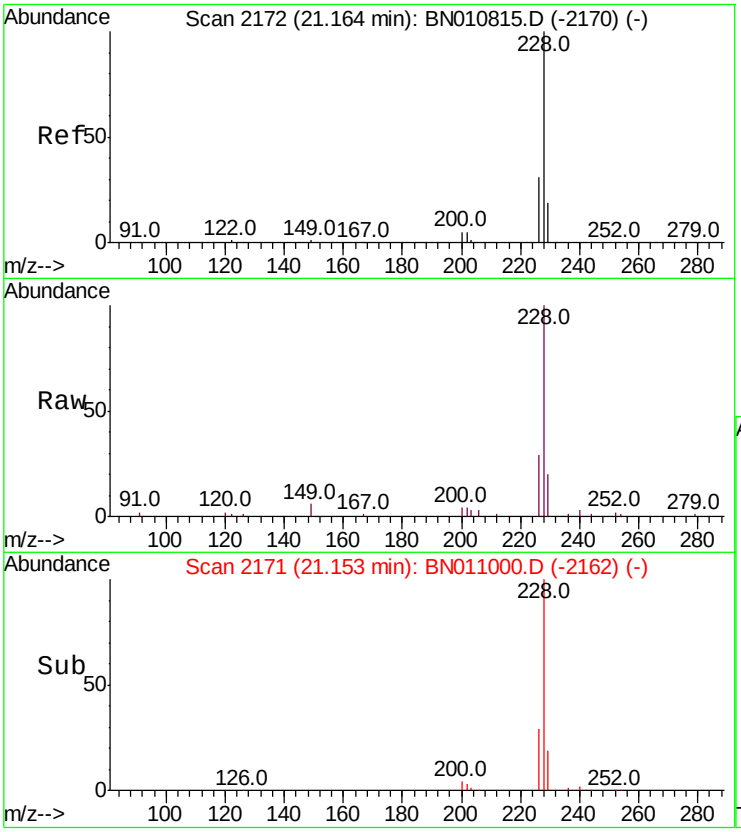


#30
Benzo(a)anthracene
Concen: 0.409 ng
RT: 21.10 min Scan# 2166
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Tgt Ion:228 Resp: 11380

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.3	31.9
229	20.2	16.6	24.8



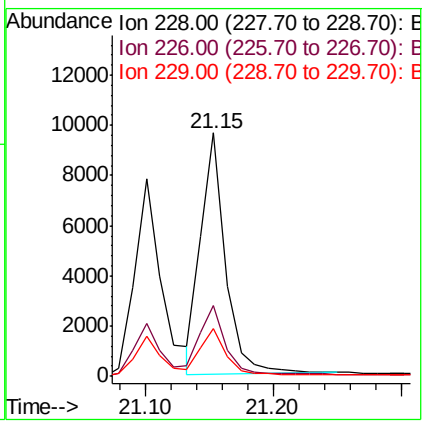


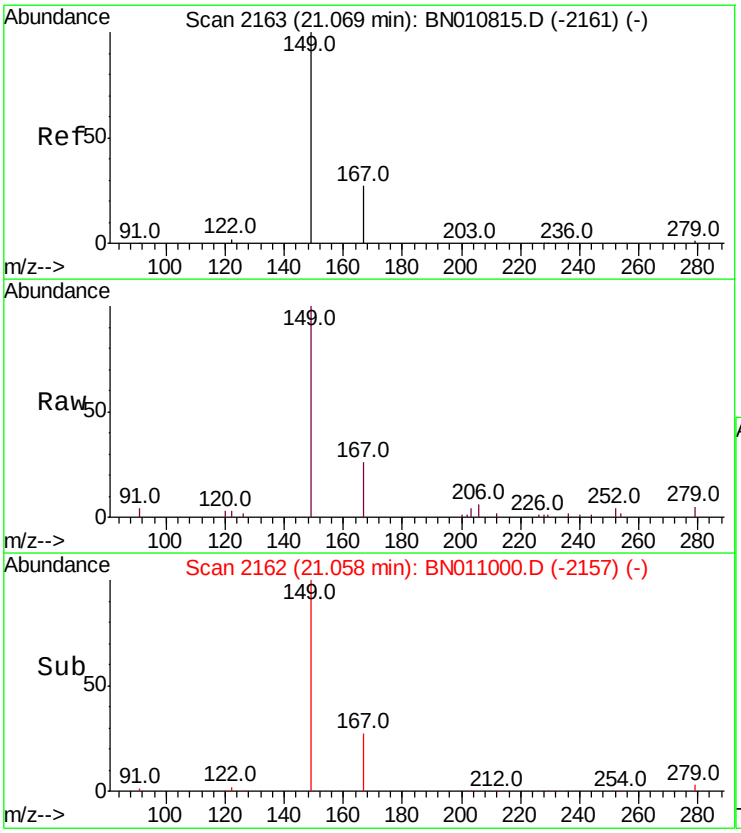
#31
Chrysene
Concen: 0.398 ng
RT: 21.15 min Scan# 2171
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 12883

Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.6
229	19.9	16.1	24.1

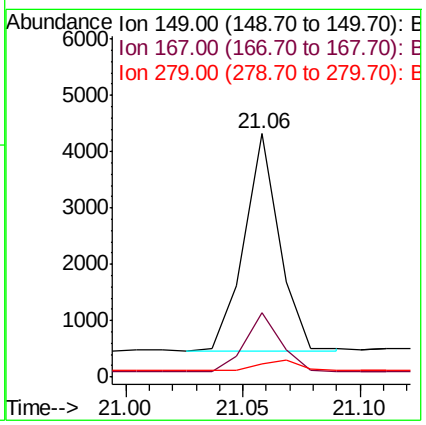


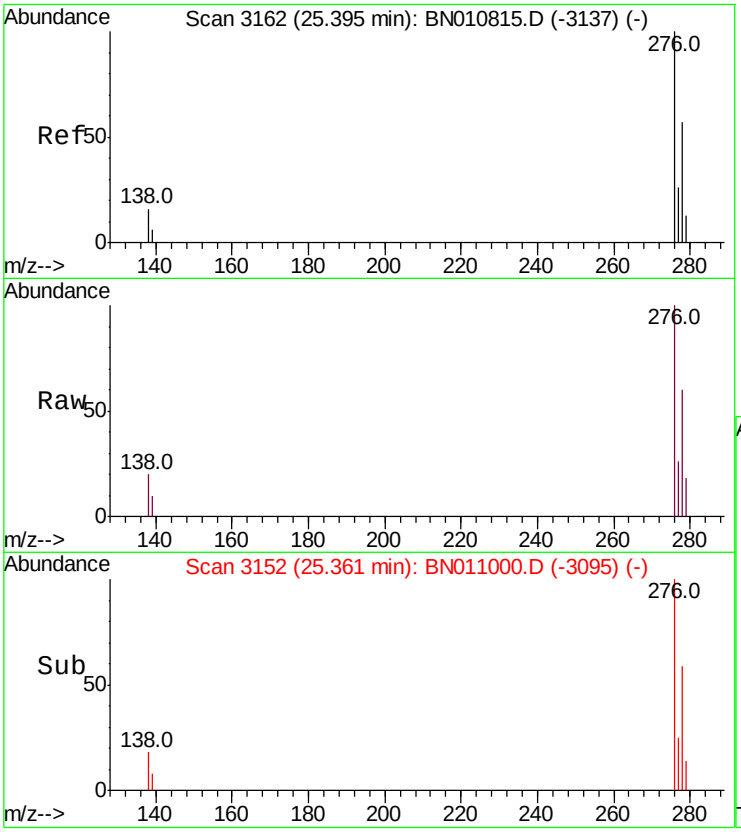


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.436 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Tgt Ion:149 Resp: 4044

Ion	Ratio	Lower	Upper
149	100		
167	27.4	24.1	36.1
279	5.2	4.6	7.0



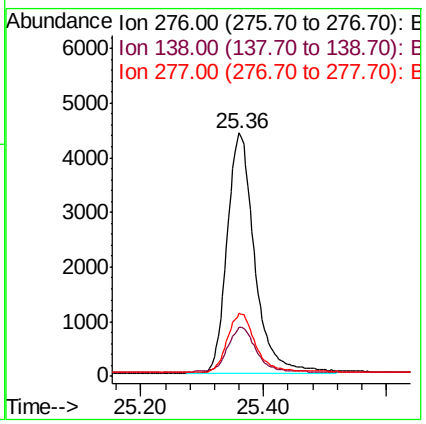


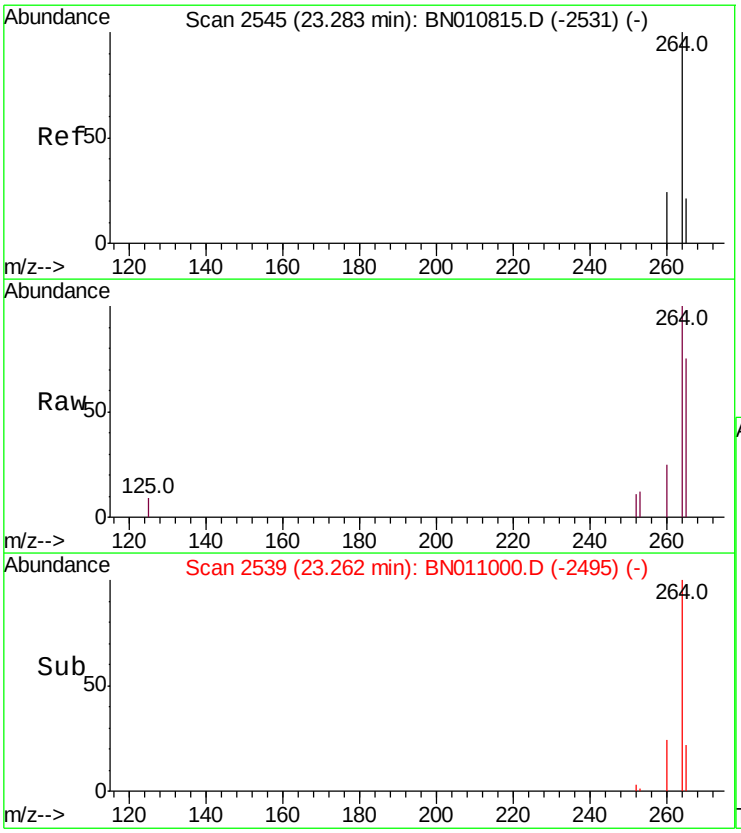
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.380 ng
RT: 25.36 min Scan# 3152
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 13772

Ion	Ratio	Lower	Upper
276	100		
138	20.0	13.0	19.6#
277	24.9	19.7	29.5

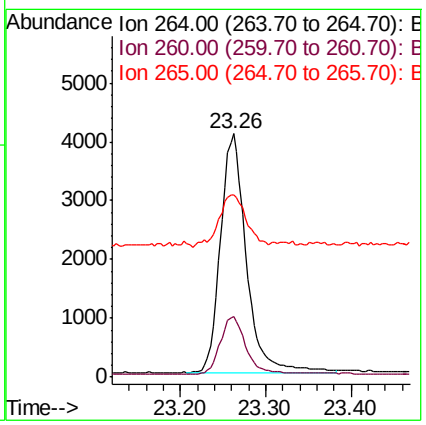


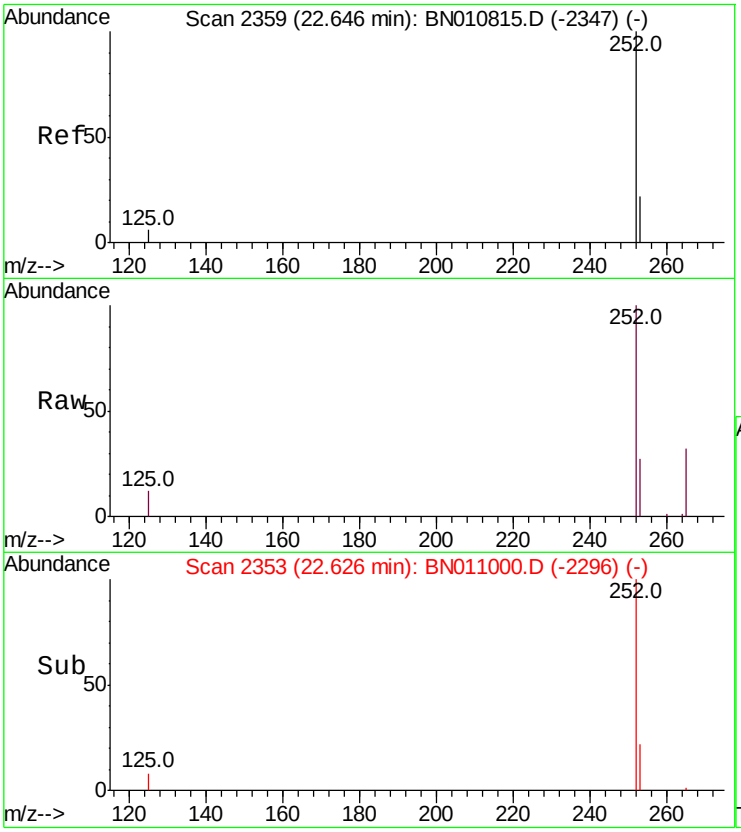


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.26 min Scan# 2539
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Tgt Ion:264 Resp: 8546

Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.4	30.6
265	75.1	75.0	112.4



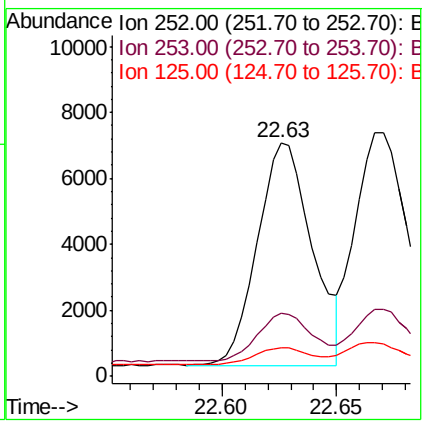


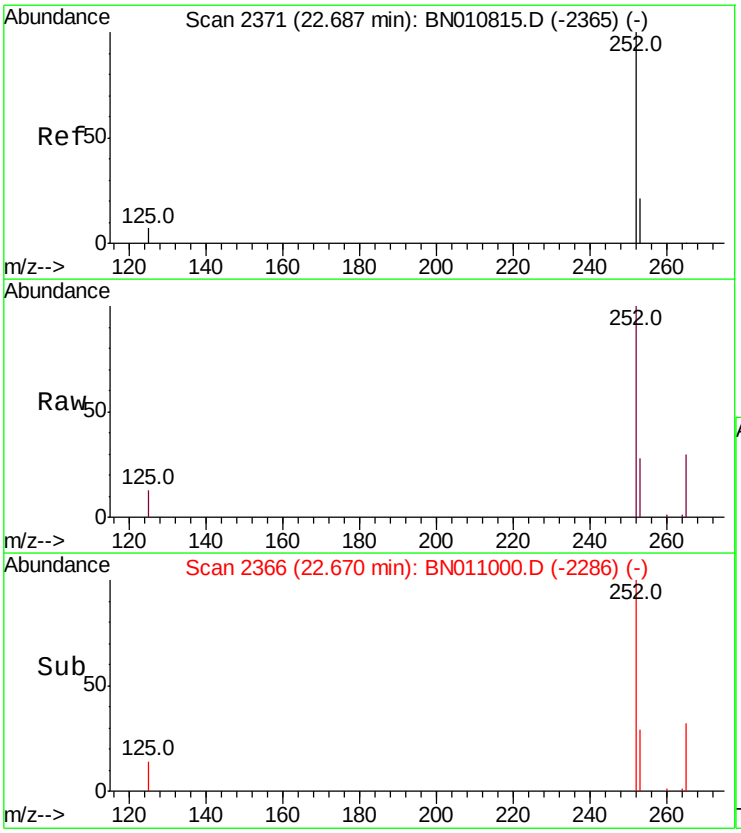
#35
Benzo(b)fluoranthene
Concen: 0.385 ng
RT: 22.63 min Scan# 2353
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 11174

Ion	Ratio	Lower	Upper
252	100		
253	26.9	22.4	33.6
125	12.4	9.4	14.0

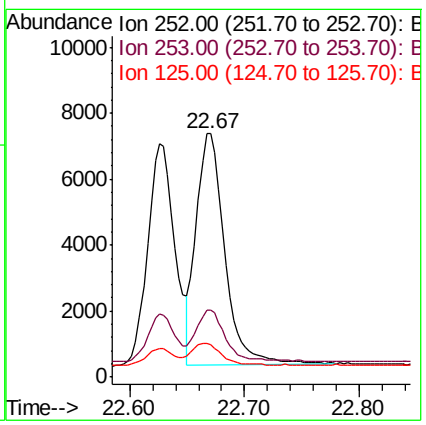


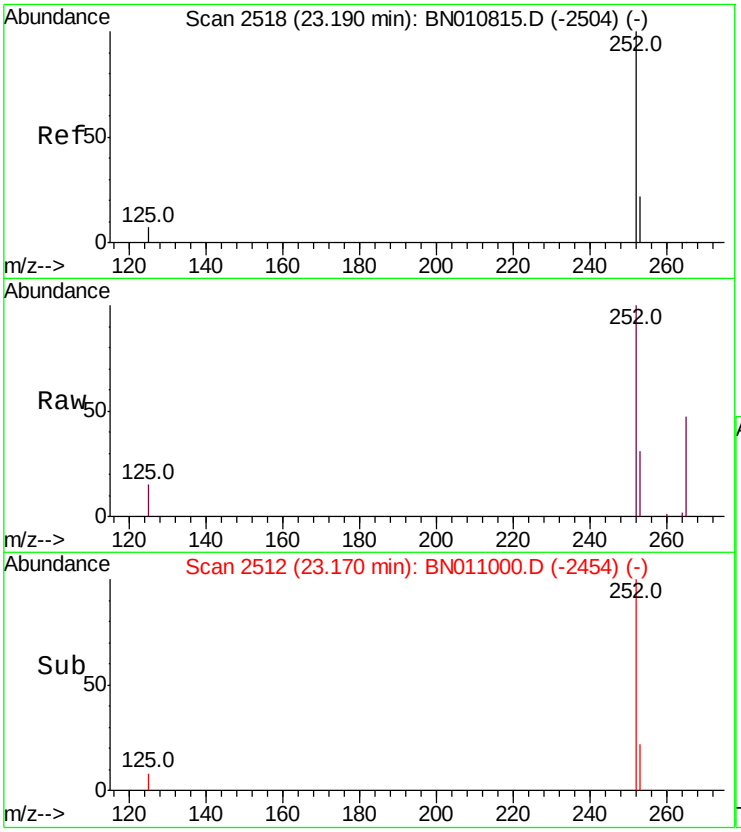


#36
Benzo(k)fluoranthene
Concen: 0.389 ng
RT: 22.67 min Scan# 2366
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Tgt Ion:252 Resp: 12037

Ion	Ratio	Lower	Upper
252	100		
253	27.8	22.2	33.4
125	13.2	9.8	14.8



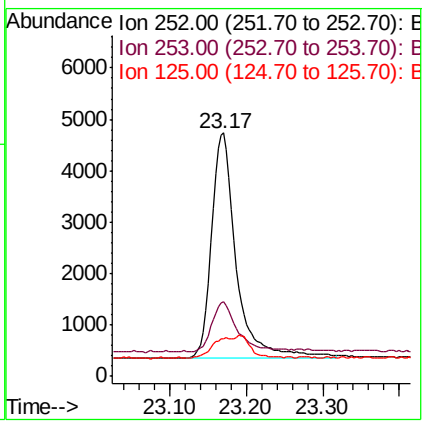


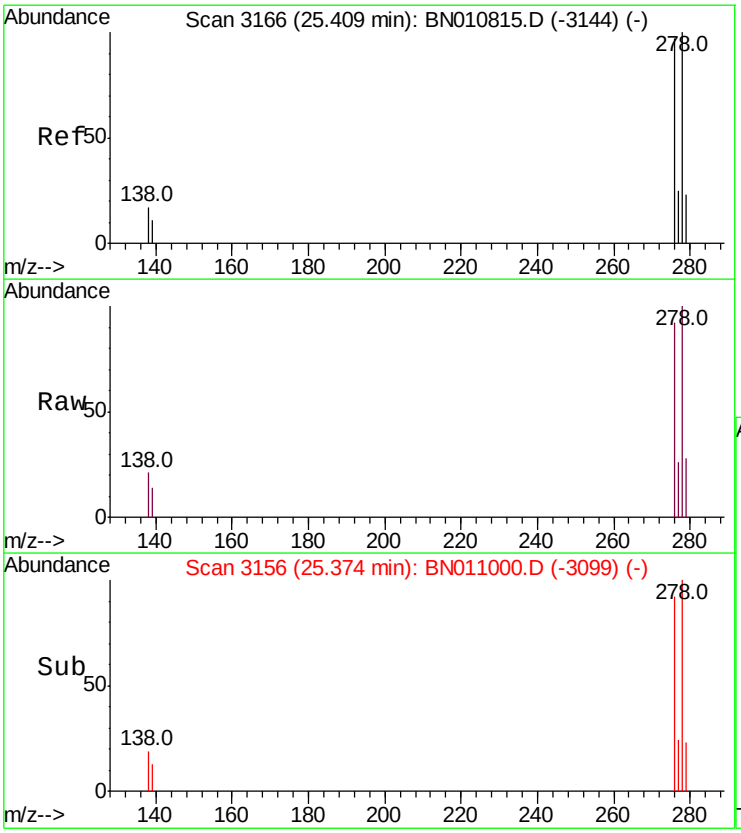
#37
Benzo(a)pyrene
Concen: 0.405 ng
RT: 23.17 min Scan# 2512
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 10094

Ion	Ratio	Lower	Upper
252	100		
253	30.5	25.8	38.8
125	15.3	12.4	18.6

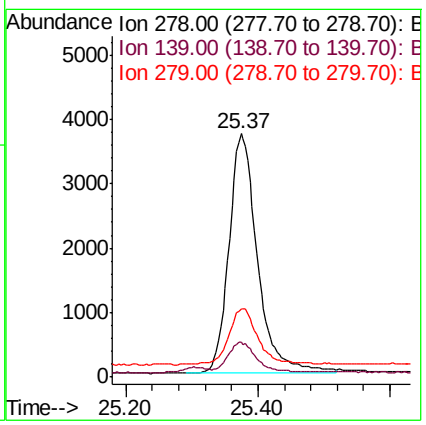


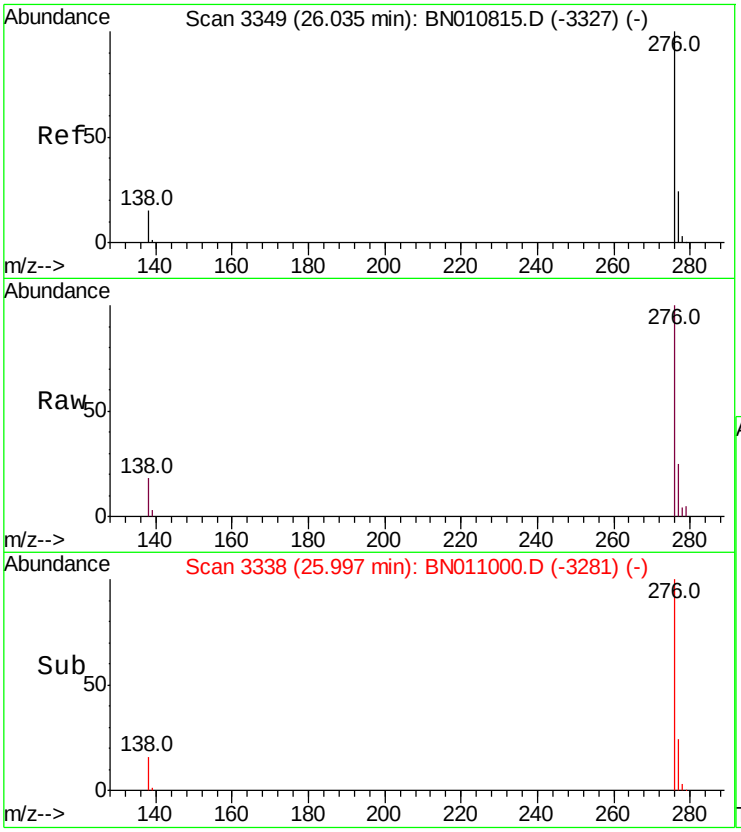


#38
Dibenzo(a,h)anthracene
Concen: 0.396 ng
RT: 25.37 min Scan# 3156
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Tgt Ion:278 Resp: 11242

Ion	Ratio	Lower	Upper
278	100		
139	14.3	10.6	15.8
279	28.0	23.6	35.4





#39
Benzo(g,h,i)perylene
Concen: 0.394 ng
RT: 26.00 min Scan# 3338
Delta R.T. -0.00 min
Lab File: BN011000.D
Acq: 20 Jun 2020 11:35

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 11711

Ion	Ratio	Lower	Upper
276	100		
277	25.3	20.5	30.7
138	18.1	13.7	20.5