Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012420\
Data File : BN009435.D
Acq On : 24 Jan 2020 10:04
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4

Quant Time: Jan 24 12:17:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN011420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 14 09:33:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	1783	0.40	ng		0.00
7) Naphthalene-d8	10.22	136	6502	0.40	ng		-0.01
13) Acenaphthene-d10	14.09	164	4256	0.40	ng		-0.02
19) Phenanthrene-d10	16.85	188	9507	0.40	ng		-0.02
27) Chrysene-d12	21.06	240	8594	0.40	ng		-0.01
34) Perylene-d12	23.18	264	8780	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.12	112	1716	0.42	ng		0.00
5) Phenol-d6	6.67	99	2014	0.42	ng		0.00
8) Nitrobenzene-d5	8.62	82	2067	0.40	ng		-0.01
11) 2-Methylnaphthalene-d10	11.81	152	4960	0.39	ng		-0.02
14) 2,4,6-Tribromophenol	15.61	330	661	0.41	ng		-0.02
15) 2-Fluorobiphenyl	12.72	172	6575	0.41	ng		0.00
25) Fluoranthene-d10	18.89	212	12129	0.37	ng		-0.01
29) Terphenyl-d14	19.51	244	8276	0.41	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.13	88	721	0.388	ng		99
3) n-Nitrosodimethylamine	3.47	42	999	0.348	ng	#	83
6) bis(2-Chloroethyl)ether	6.91	93	1865	0.382	ng		99
9) Naphthalene	10.27	128	7017	0.399	ng		98
10) Hexachlorobutadiene	10.56	225	1530	0.396	ng	#	99
12) 2-Methylnaphthalene	11.89	142	4899	0.400	ng		99
16) Acenaphthylene	13.81	152	7041	0.384	ng		100
17) Acenaphthene	14.16	154	5069	0.393	ng		100
18) Fluorene	15.15	166	6545	0.389	ng		99
20) 4-Bromophenyl-phenylether	16.05	248	2192	0.383	ng	#	89
21) Hexachlorobenzene	16.17	284	2388	0.392	ng		97
22) Pentachlorophenol	16.53	266	643	0.446	ng		94
23) Phenanthrene	16.89	178	10930	0.383	ng		100
24) Anthracene	16.99	178	9044	0.377	ng		99
26) Fluoranthene	18.92	202	12642	0.377	ng		100
28) Pyrene	19.29	202	12709	0.390	ng		100
30) Benzo(a)anthracene	21.05	228	10809	0.383	ng		98
31) Chrysene	21.09	228	12514	0.387	ng		98
32) Bis(2-ethylhexyl)phthalate	20.99	149	5143	0.412	ng		98
33) Indeno(1,2,3-cd)pyrene	25.24	276	13277	0.395	ng		99
35) Benzo(b)fluoranthene	22.55	252	11936	0.370	ng		96
36) Benzo(k)fluoranthene	22.59	252	13153	0.369	ng		98
37) Benzo(a)pyrene	23.09	252	10758	0.378	ng		93
38) Dibenzo(a,h)anthracene	25.26	278	10421	0.364	ng		94
39) Benzo(g,h,i)perylene	25.87	276	11160	0.355	ng		98

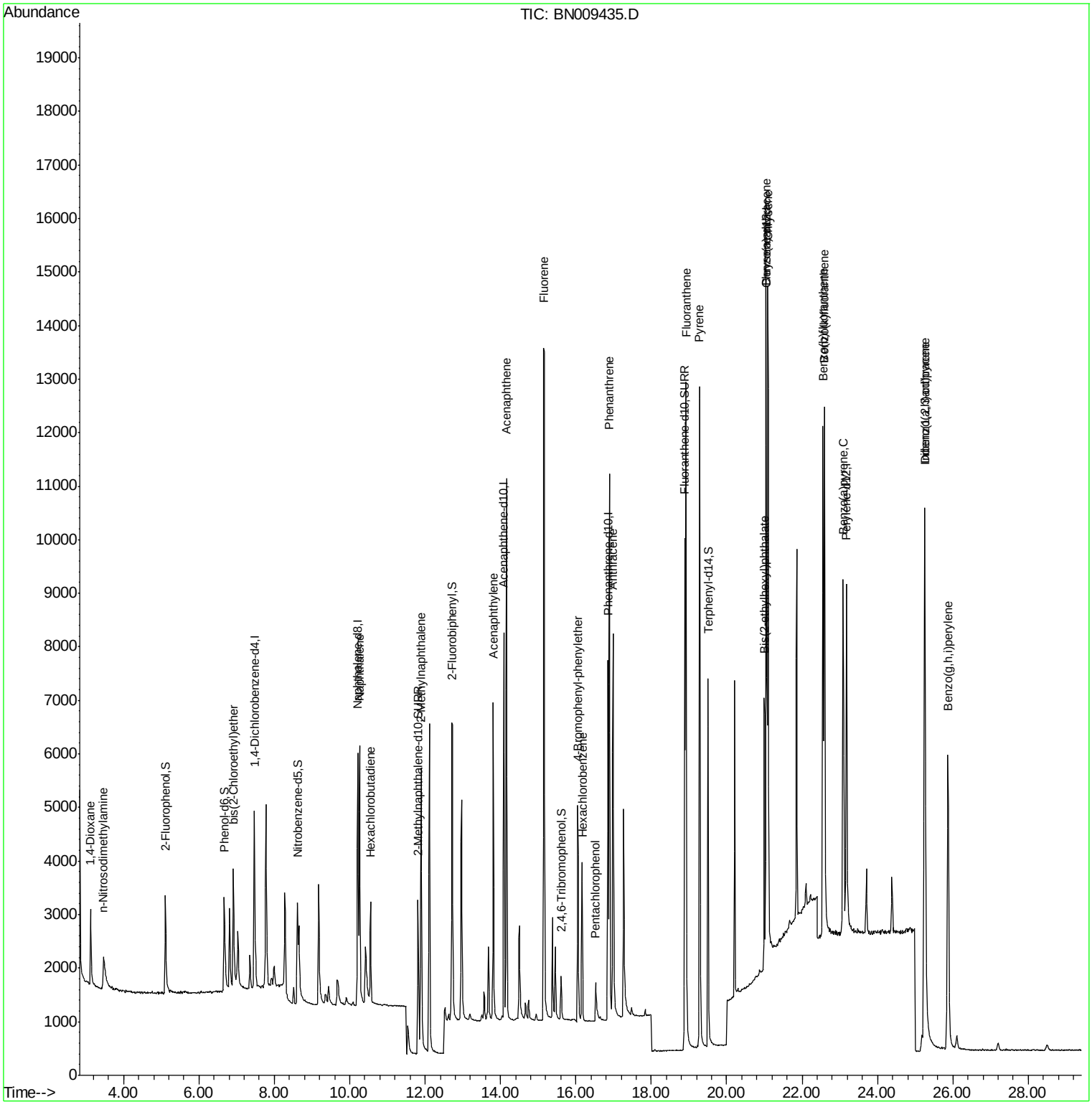
(#) = qualifier out of range (m) = manual integration (+) = signals summed

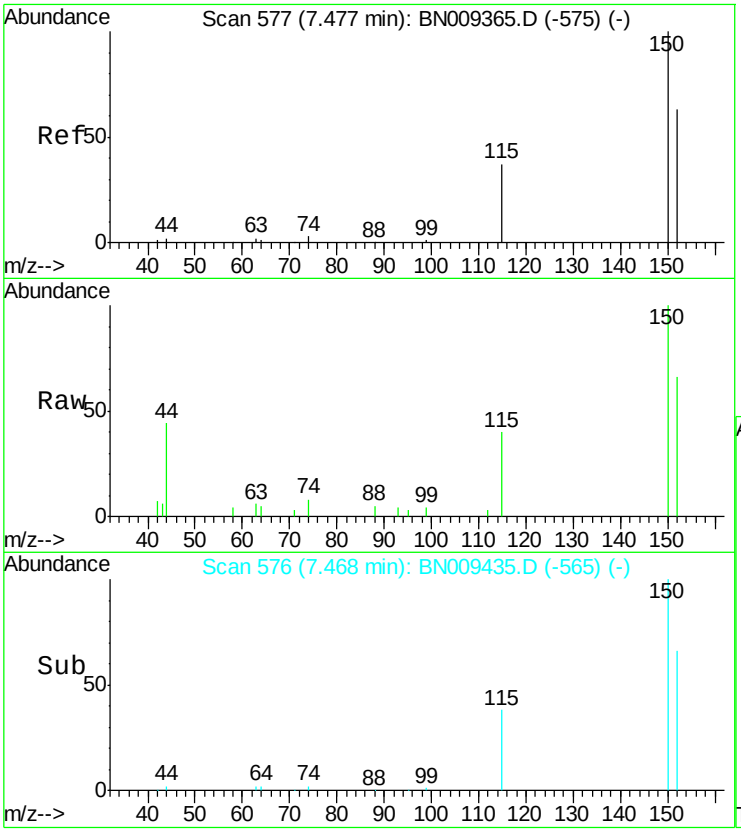
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012420\
Data File : BN009435.D
Acq On : 24 Jan 2020 10:04
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Quant Time: Jan 24 12:17:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN011420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 14 09:33:55 2020
Response via : Initial Calibration



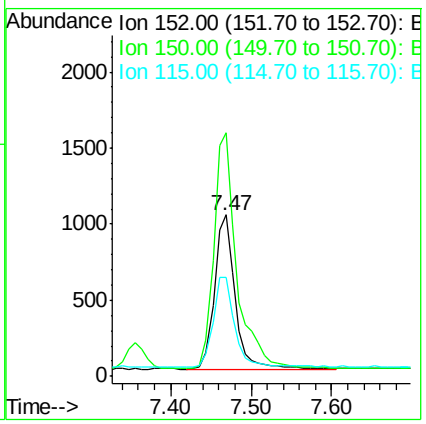


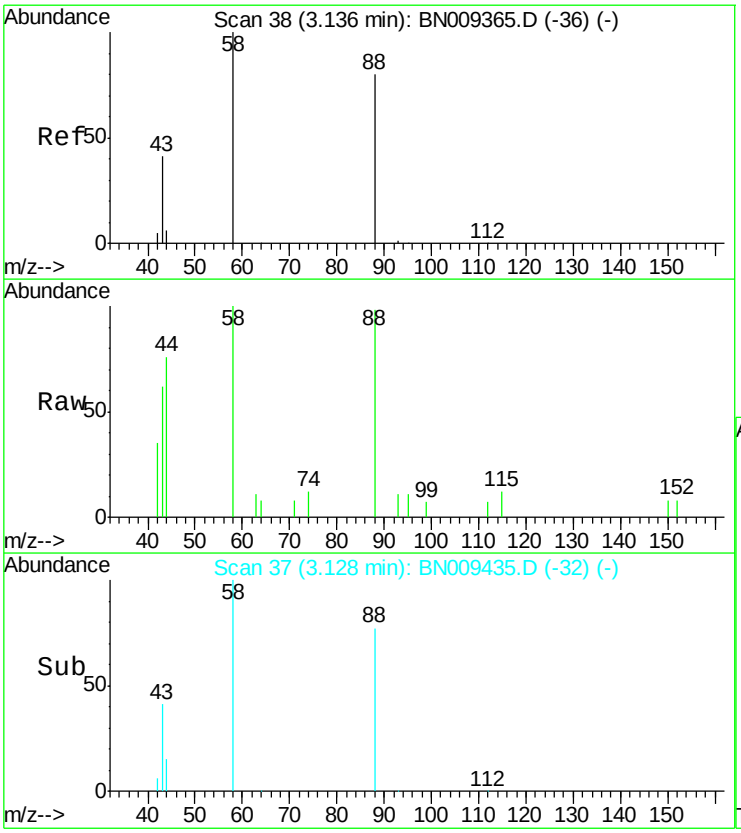
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 1783

Ion	Ratio	Lower	Upper
152	100		
150	150.7	125.7	188.5
115	60.9	53.3	79.9

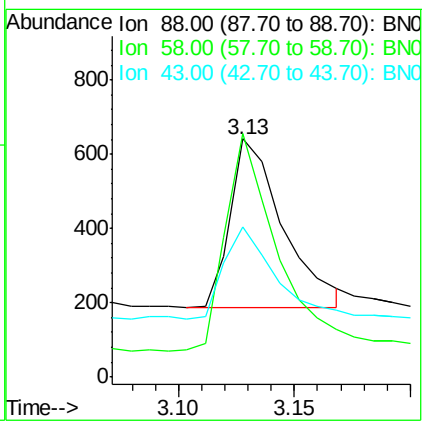


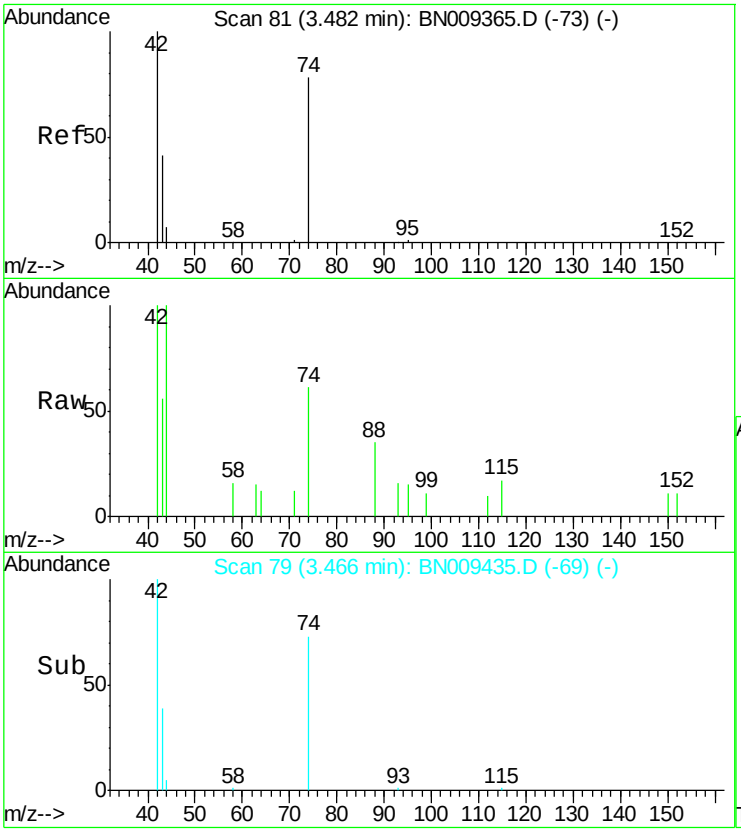


#2
1,4-Dioxane
Concen: 0.388 ng
RT: 3.13 min Scan# 37
Delta R.T. -0.01 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Tgt Ion: 88 Resp: 721

Ion	Ratio	Lower	Upper
88	100		
58	124.7	100.2	150.2
43	52.1	43.1	64.7



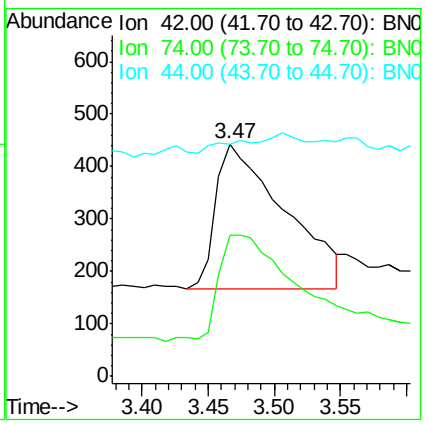


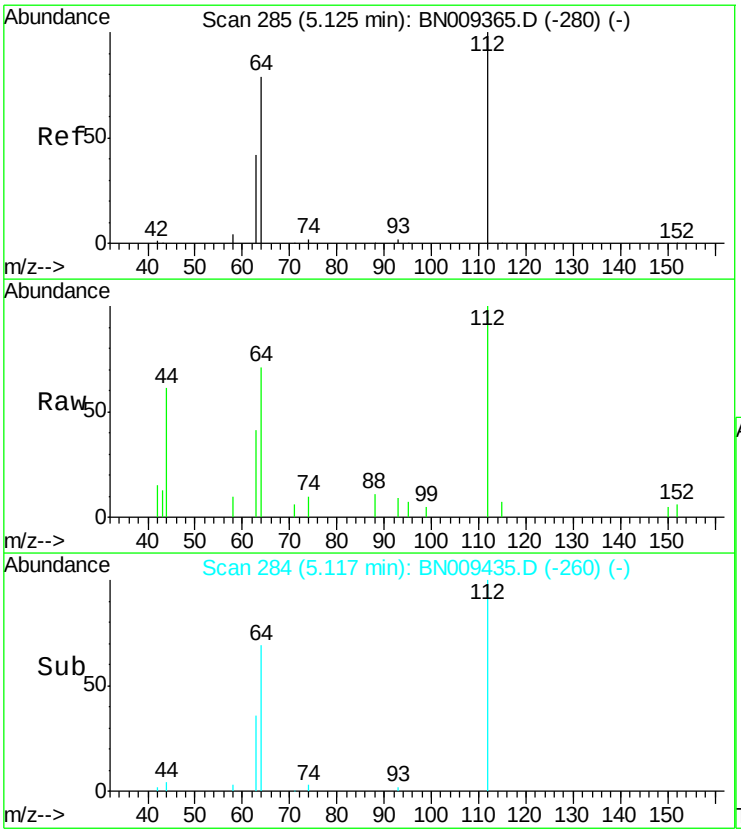
#3
n-Nitrosodimethylamine
Concen: 0.348 ng
RT: 3.47 min Scan# 79
Delta R.T. -0.02 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 999

Ion	Ratio	Lower	Upper
42	100		
74	81.1	55.8	83.8
44	0.0	11.1	16.7#

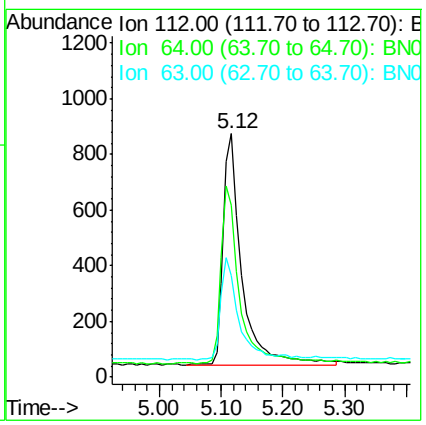


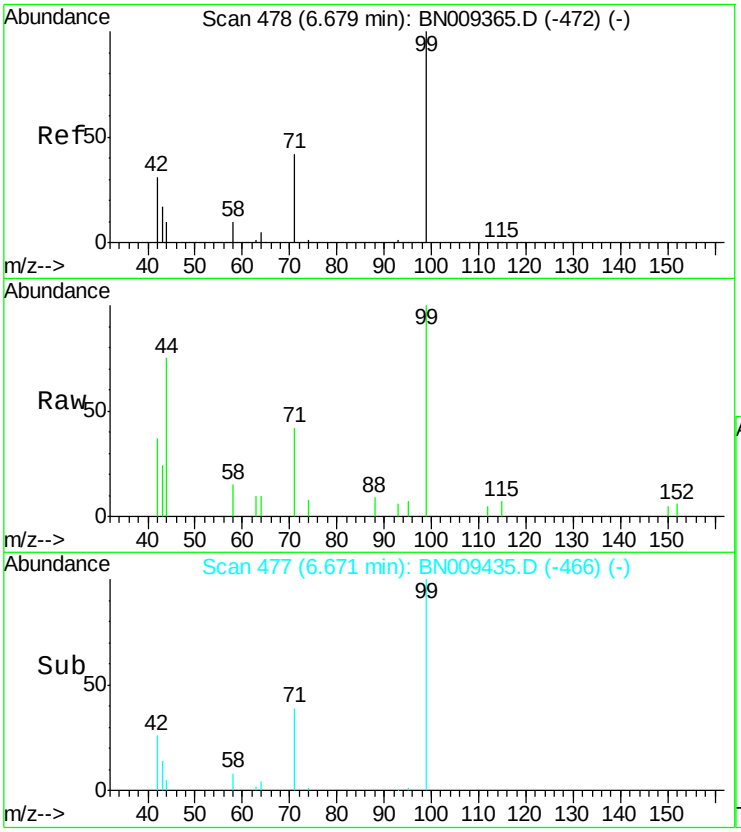


#4
2-Fluorophenol
Concen: 0.418 ng
RT: 5.12 min Scan# 284
Delta R.T. -0.01 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Tgt Ion:112 Resp: 1716

Ion	Ratio	Lower	Upper
112	100		
64	77.0	61.5	92.3
63	43.6	35.0	52.4



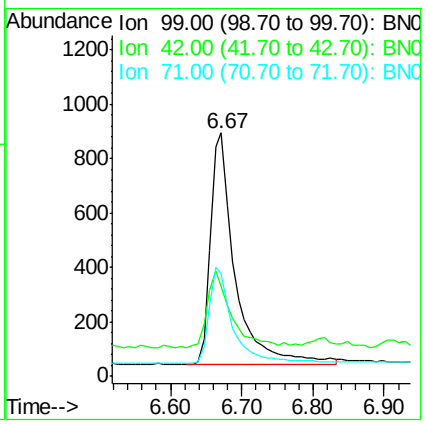


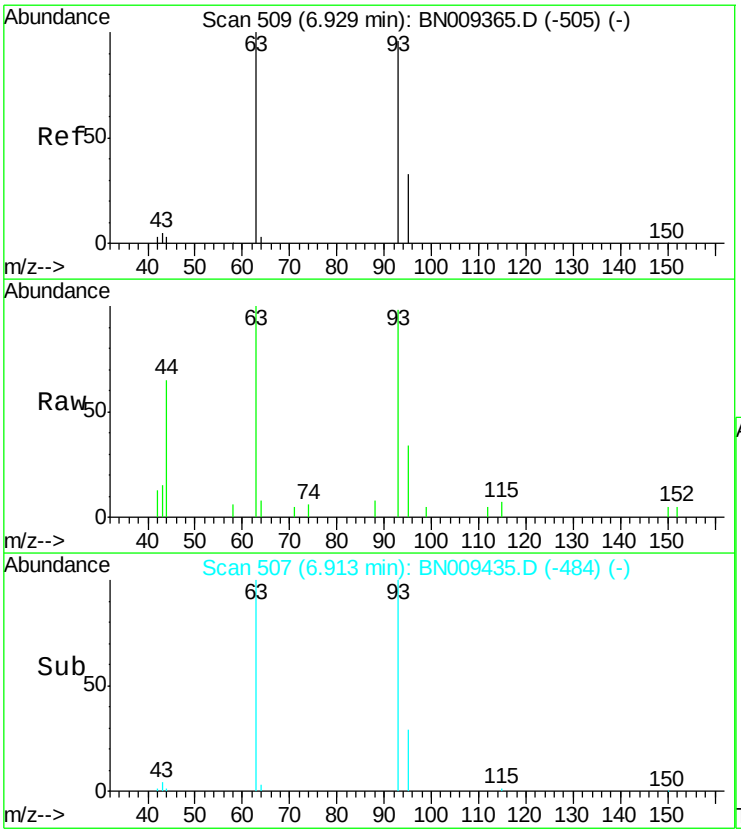
#5
Phenol-d6
Concen: 0.424 ng
RT: 6.67 min Scan# 477
Delta R.T. -0.01 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 2014

Ion	Ratio	Lower	Upper
99	100		
42	32.0	27.6	41.4
71	40.5	33.0	49.6

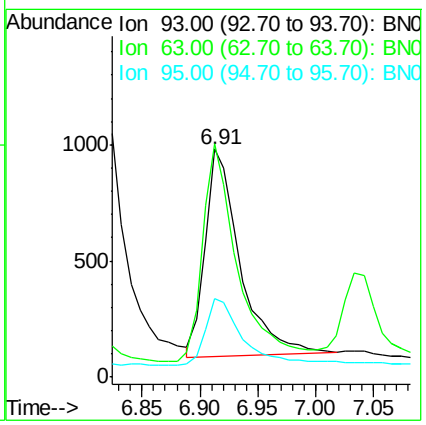


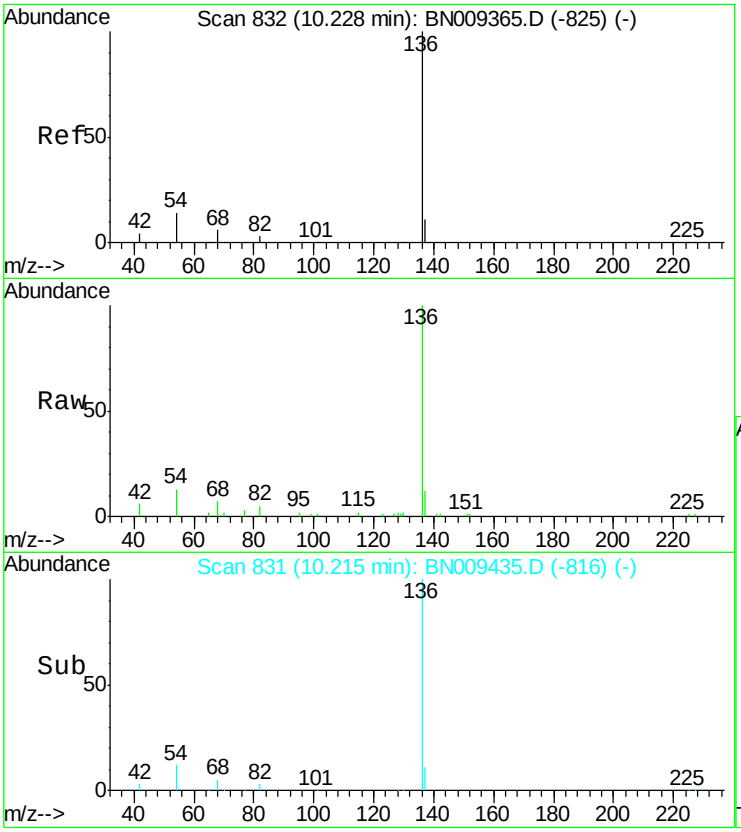


#6
bis(2-Chloroethyl)ether
Concen: 0.382 ng
RT: 6.91 min Scan# 507
Delta R.T. -0.02 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Tgt Ion: 93 Resp: 1865

Ion	Ratio	Lower	Upper
93	100		
63	107.1	85.1	127.7
95	35.7	30.2	45.4



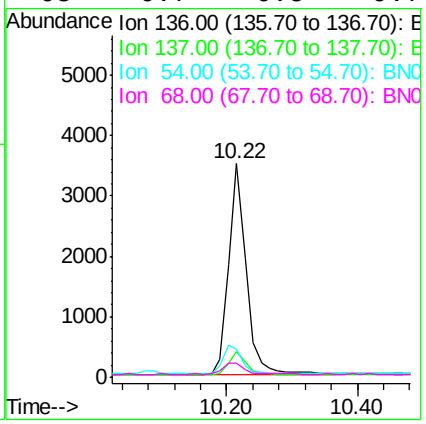


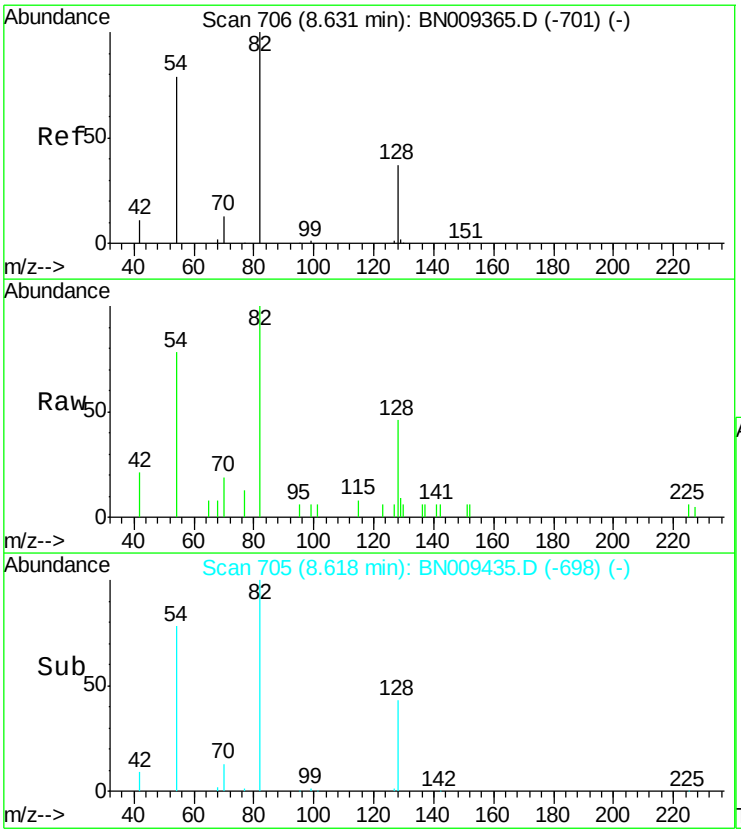
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.22 min Scan# 831
Delta R.T. -0.01 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 6502

Ion	Ratio	Lower	Upper
136	100		
137	12.1	10.3	15.5
54	13.1	12.6	19.0
68	6.7	6.5	9.7

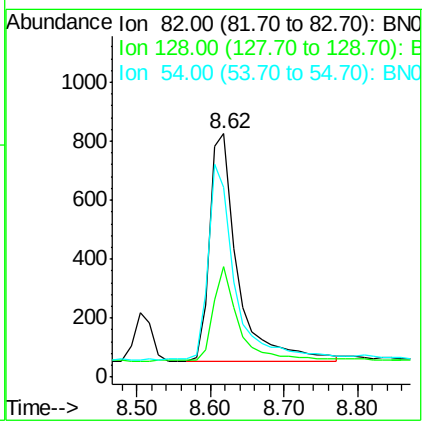


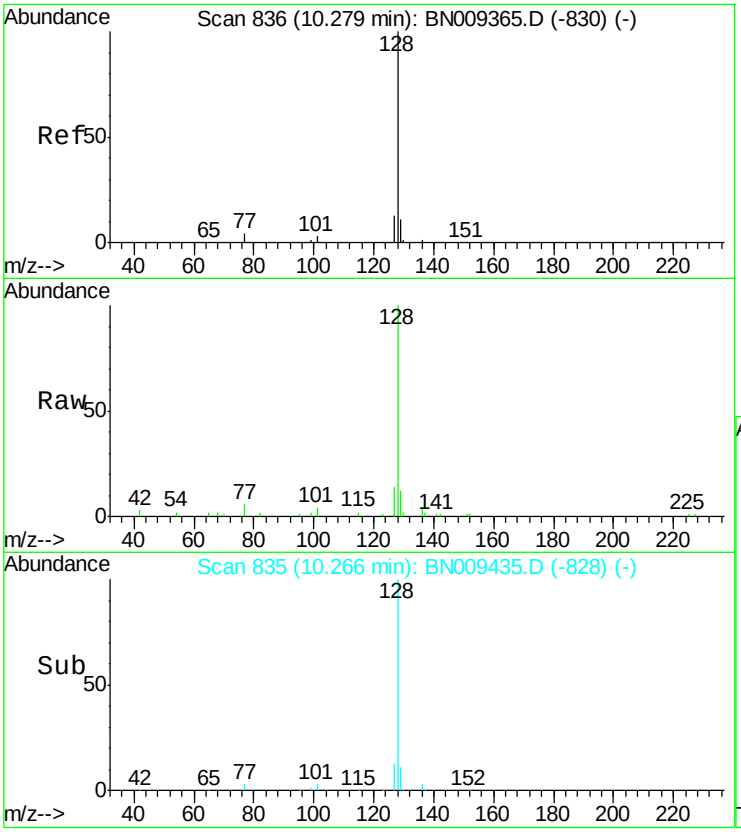


#8
Nitrobenzene-d5
Concen: 0.399 ng
RT: 8.62 min Scan# 705
Delta R.T. -0.01 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Tgt Ion: 82 Resp: 2067

Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.8	52.2
54	77.8	65.8	98.6



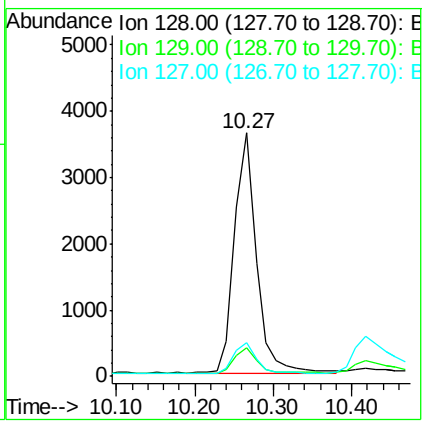


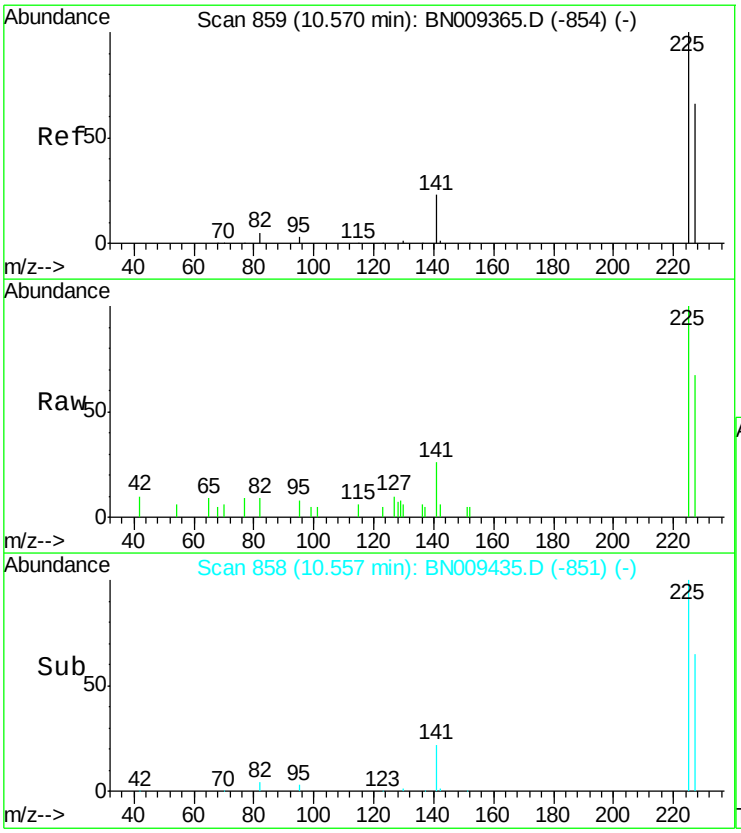
#9
Naphthalene
Concen: 0.399 ng
RT: 10.27 min Scan# 835
Delta R.T. -0.01 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 7017

Ion	Ratio	Lower	Upper
128	100		
129	11.7	10.4	15.6
127	13.8	11.4	17.2

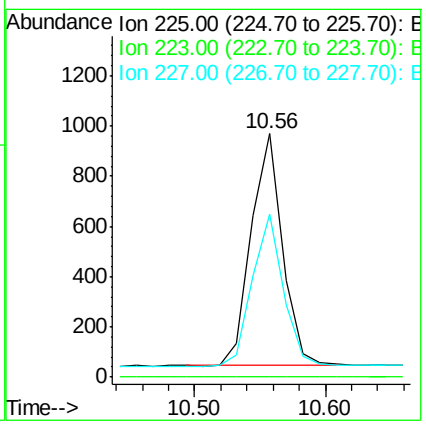


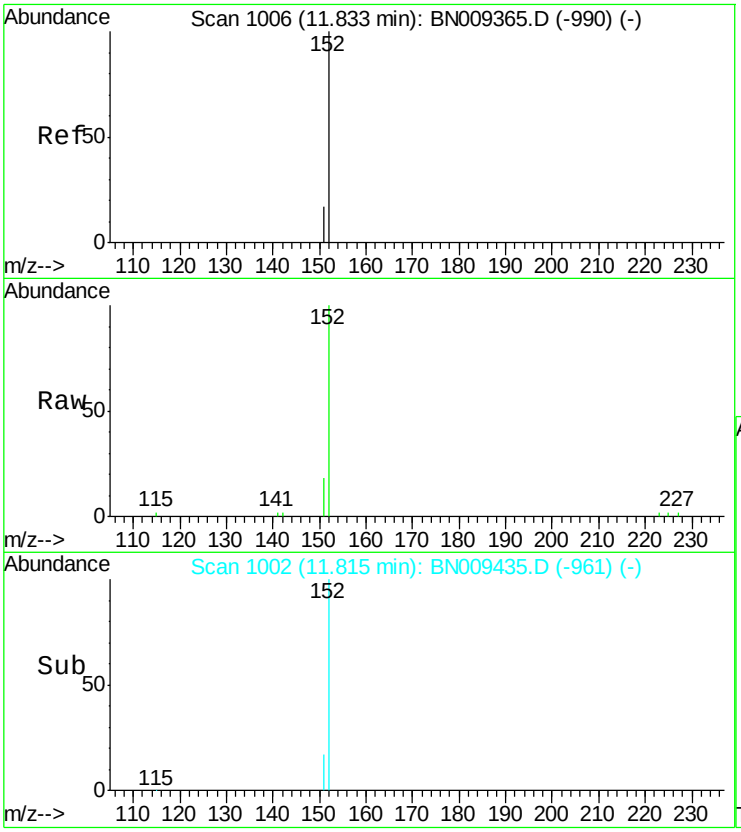


#10
Hexachlorobutadiene
Concen: 0.396 ng
RT: 10.56 min Scan# 858
Delta R.T. -0.01 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Tgt Ion:225 Resp: 1530

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.0	52.6	78.8



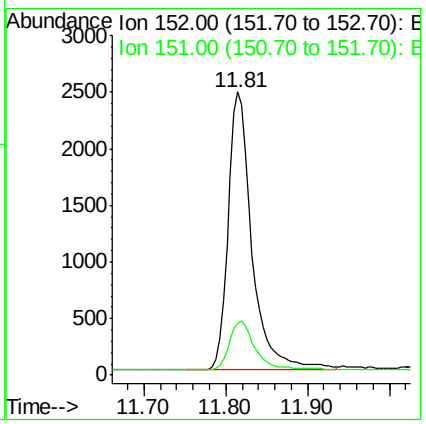


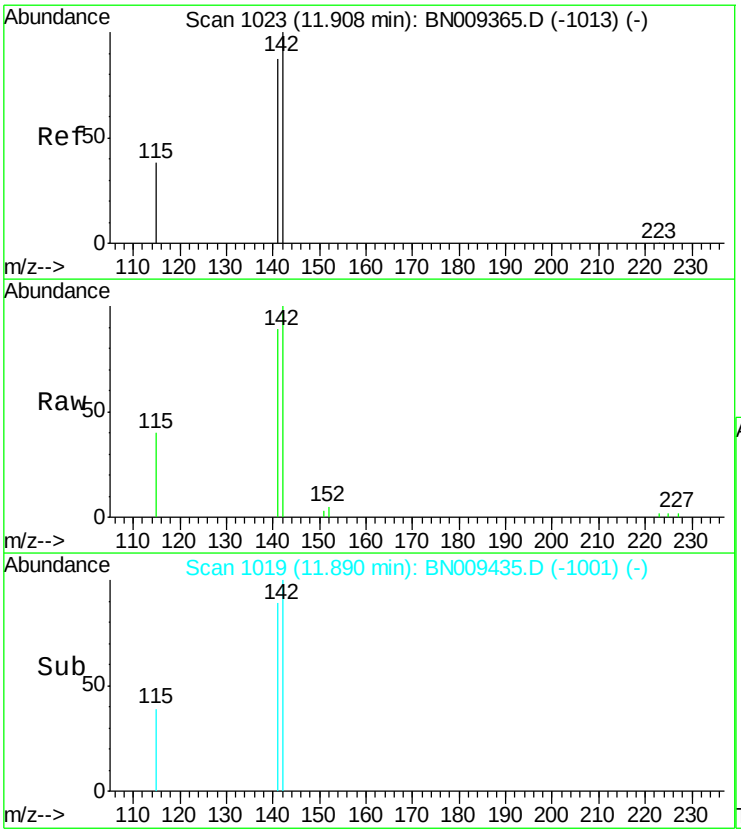
#11
2-Methylnaphthalene-d10
Concen: 0.395 ng
RT: 11.81 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 4960

Ion	Ratio	Lower	Upper
152	100		
151	18.9	14.8	22.2

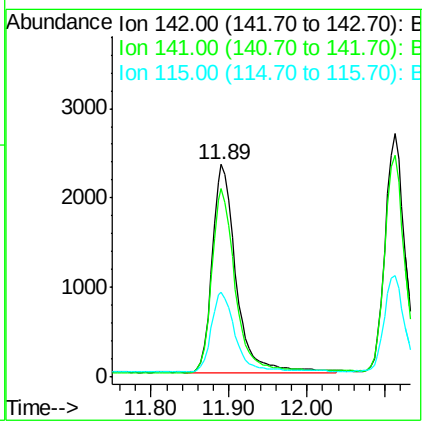


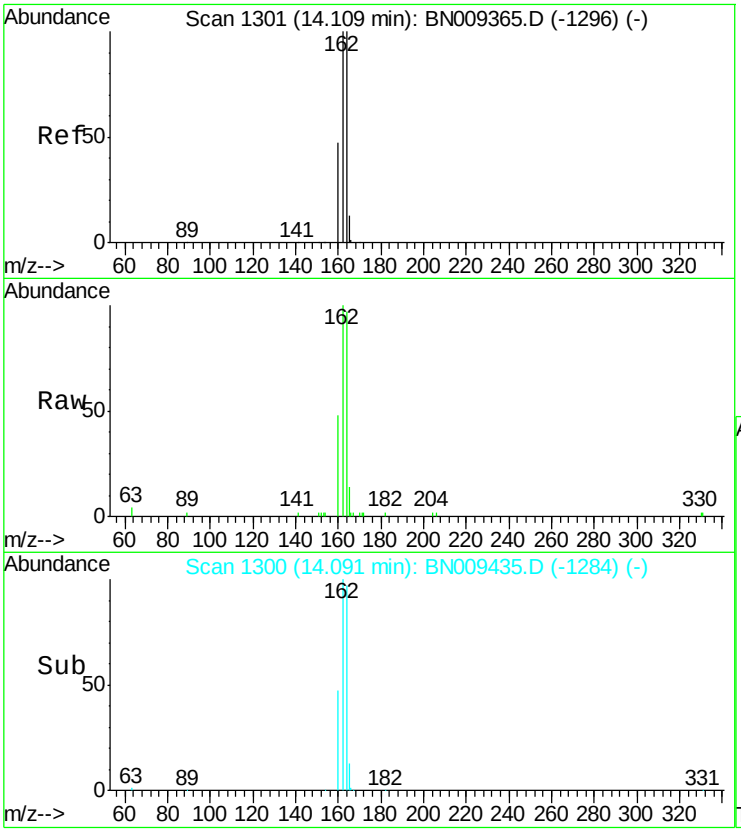


#12
2-Methylnaphthalene
Concen: 0.400 ng
RT: 11.89 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Tgt Ion:142 Resp: 4899

Ion	Ratio	Lower	Upper
142	100		
141	88.8	69.8	104.6
115	40.2	32.5	48.7



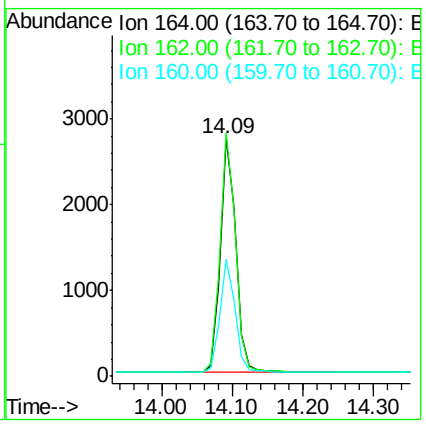


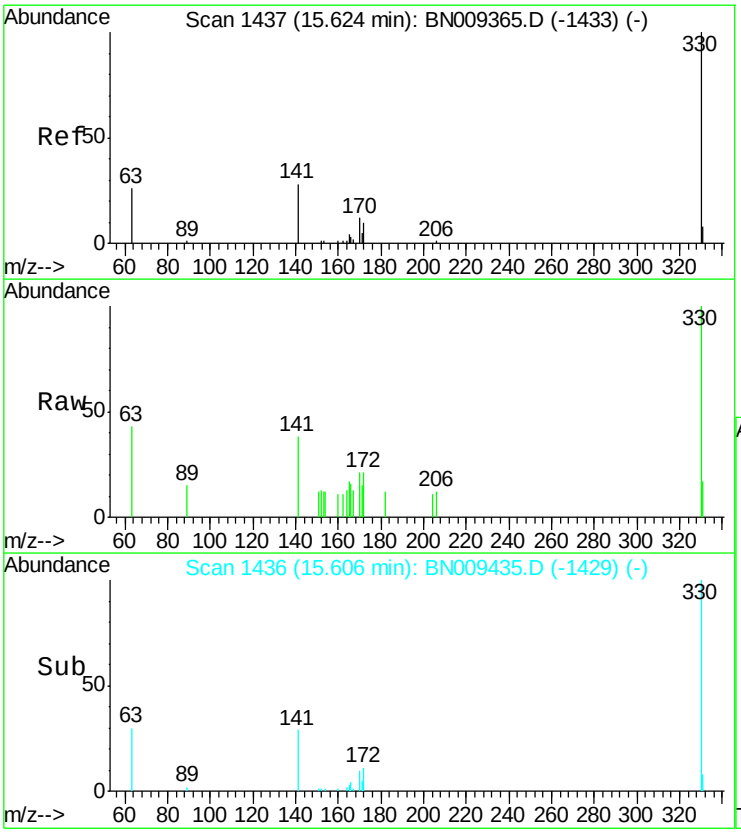
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.09 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 4256

Ion	Ratio	Lower	Upper
164	100		
162	102.6	79.8	119.6
160	49.1	38.4	57.6

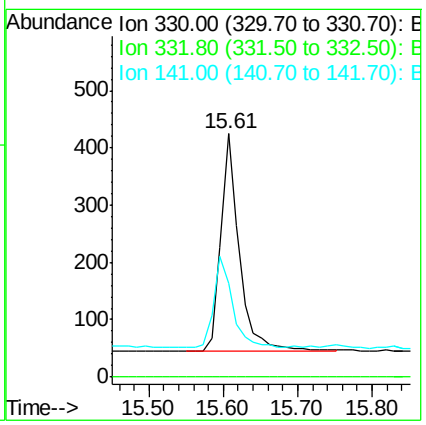


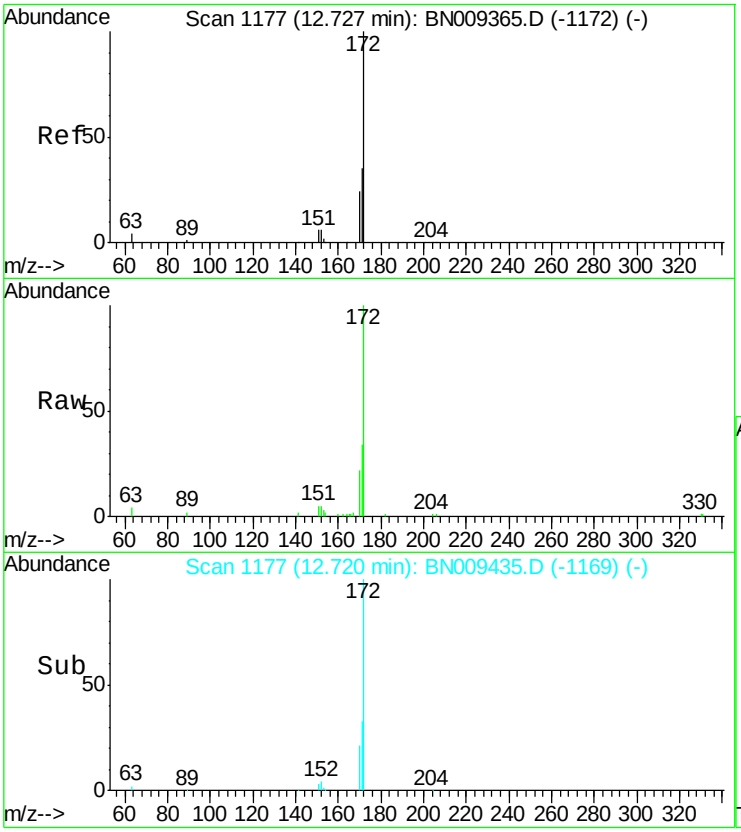


#14
2,4,6-Tribromophenol
Concen: 0.411 ng
RT: 15.61 min Scan# 1436
Delta R.T. -0.02 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Tgt Ion:330 Resp: 661

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	42.5	33.1	49.7



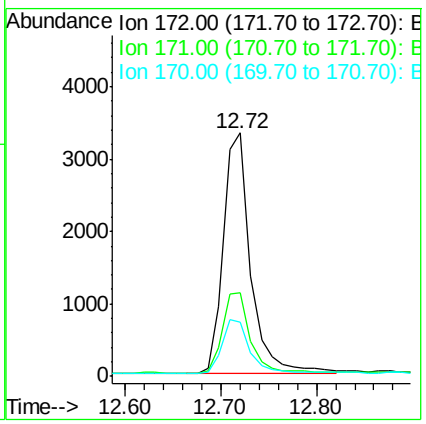


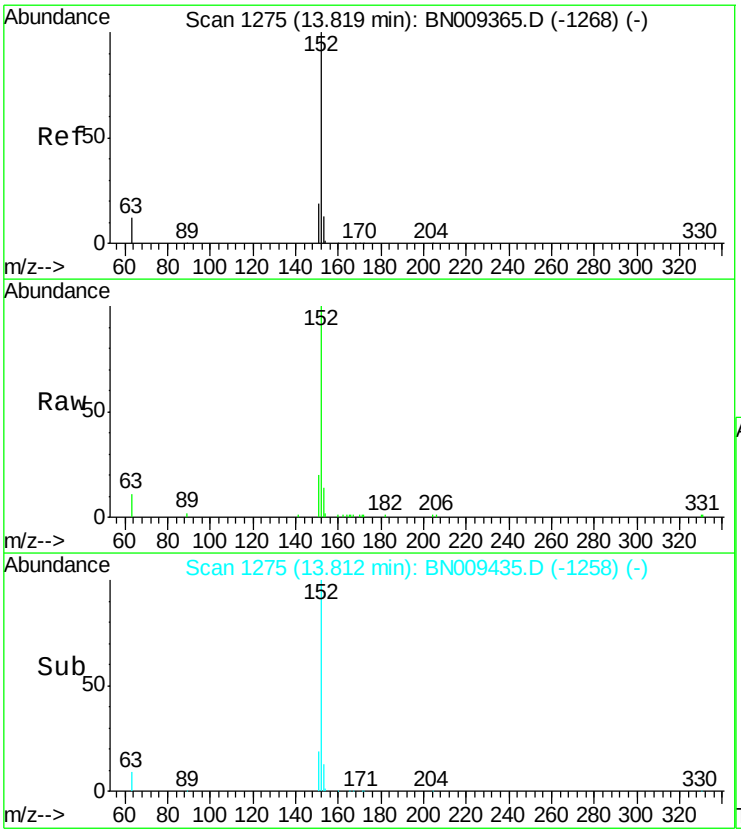
#15
2-Fluorobiphenyl
Concen: 0.413 ng
RT: 12.72 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 6575

Ion	Ratio	Lower	Upper
172	100		
171	34.2	29.5	44.3
170	22.4	20.7	31.1

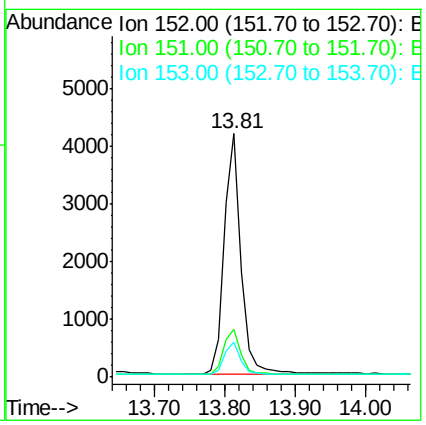


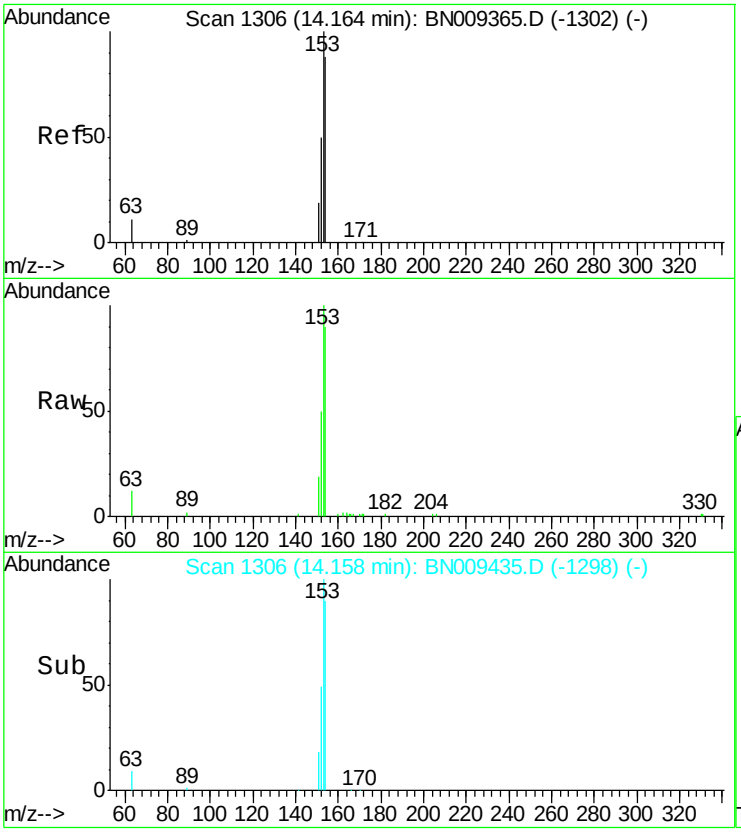


#16
Acenaphthylene
Concen: 0.384 ng
RT: 13.81 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Tgt Ion:152 Resp: 7041

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2
153	13.1	10.4	15.6



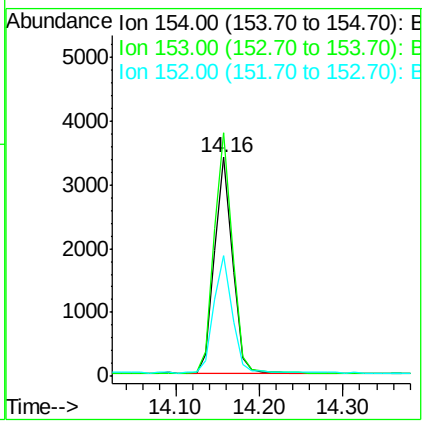


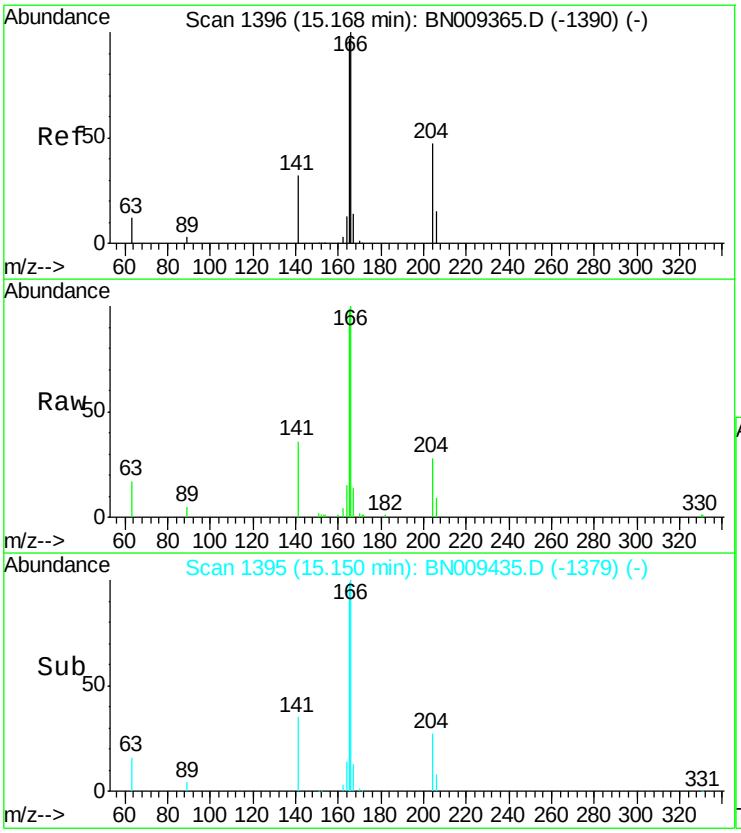
#17
Acenaphthene
Concen: 0.393 ng
RT: 14.16 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 5069

Ion	Ratio	Lower	Upper
154	100		
153	113.0	90.5	135.7
152	55.6	45.3	67.9

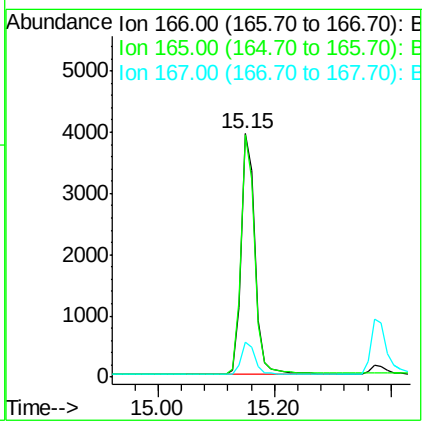


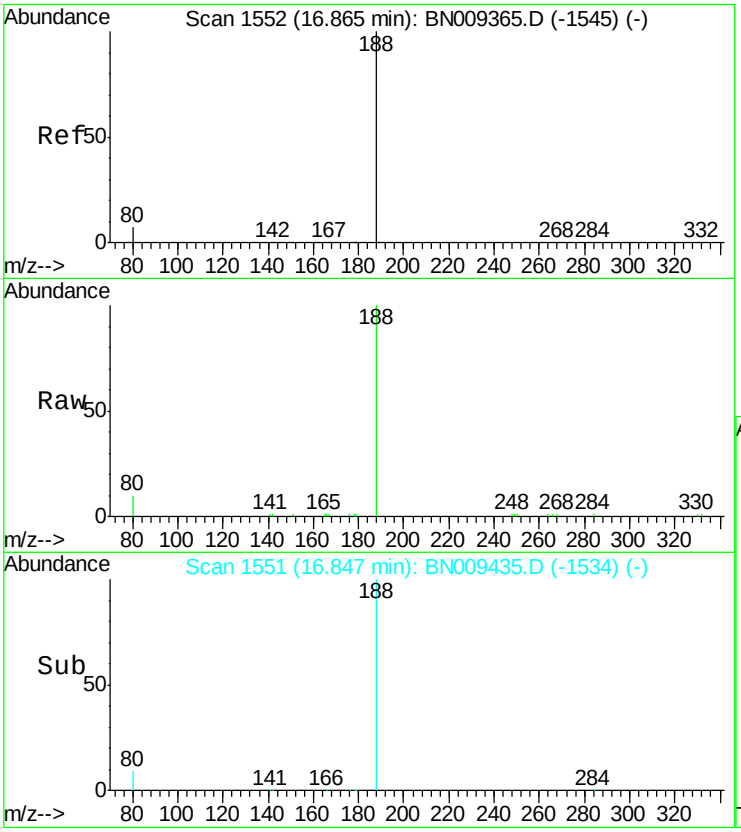


#18
Fluorene
Concen: 0.389 ng
RT: 15.15 min Scan# 1395
Delta R.T. -0.02 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Tgt Ion:166 Resp: 6545

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.2	117.2
167	13.5	11.0	16.6



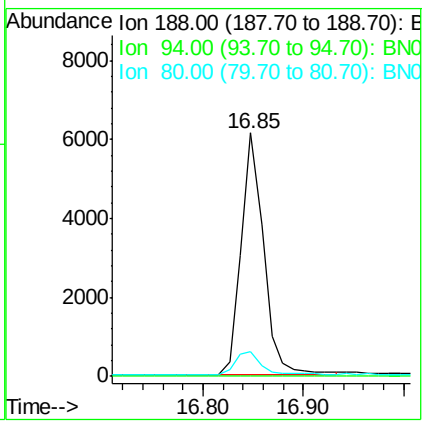


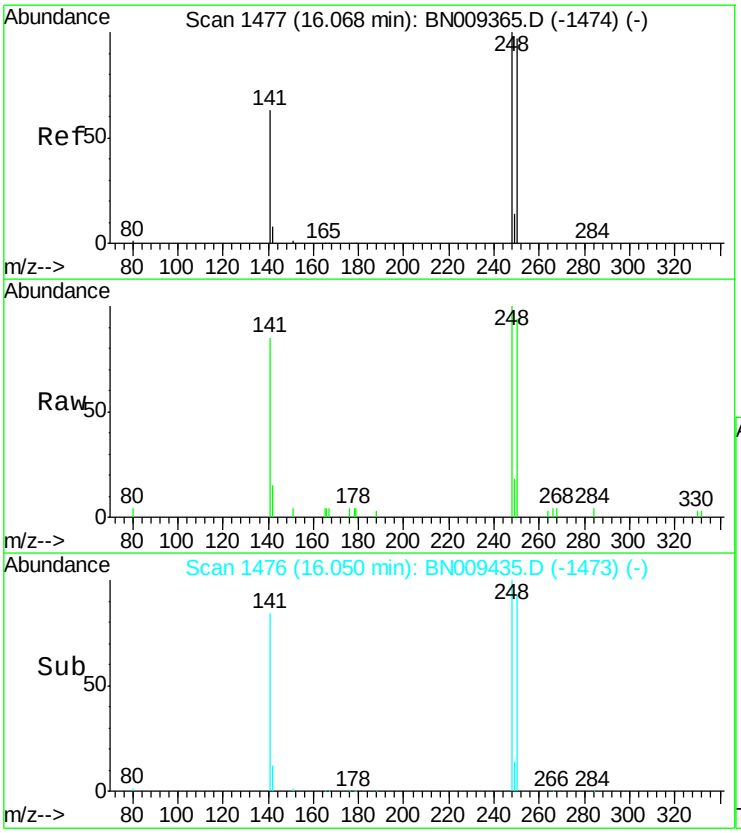
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.85 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 9507

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.3	6.6	10.0#

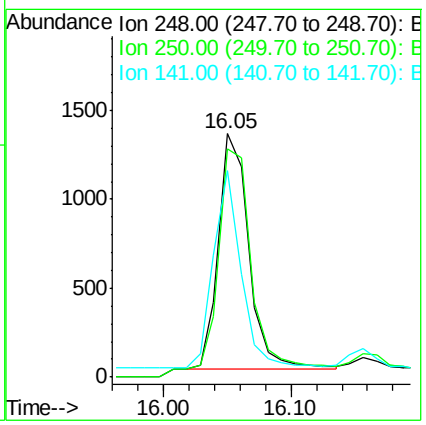


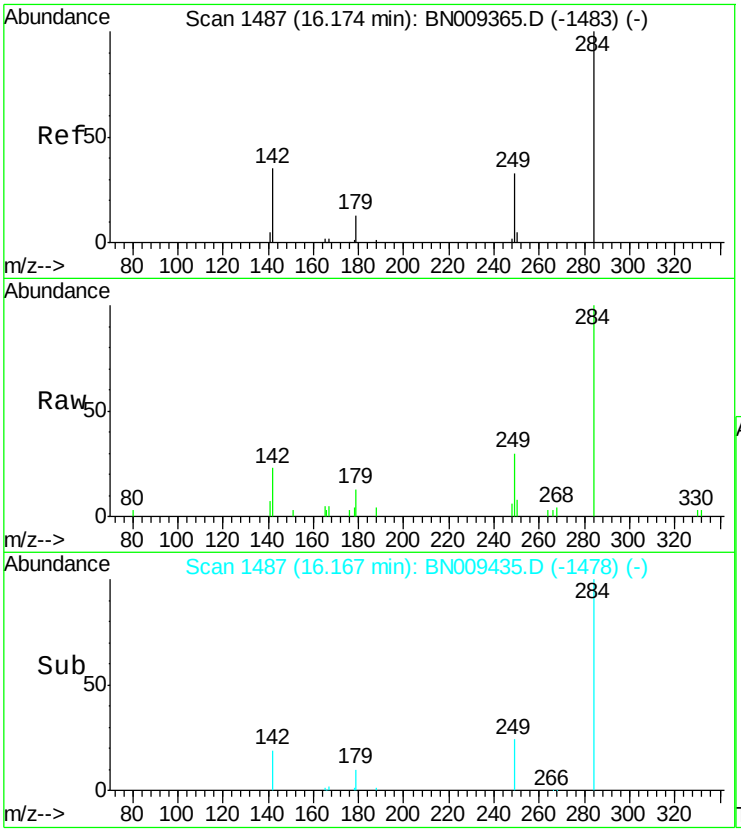


#20
4-Bromophenyl-phenylether
Concen: 0.383 ng
RT: 16.05 min Scan# 1476
Delta R.T. -0.02 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Tgt Ion:248 Resp: 2192

Ion	Ratio	Lower	Upper
248	100		
250	93.7	77.8	116.8
141	85.0	53.4	80.0#



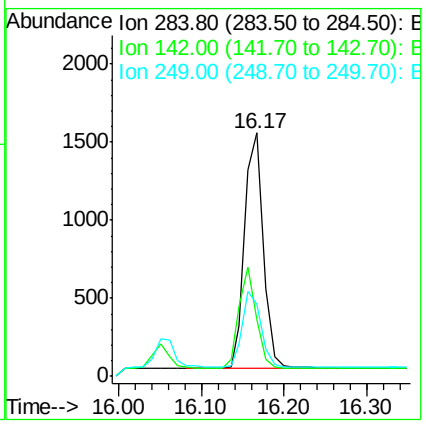


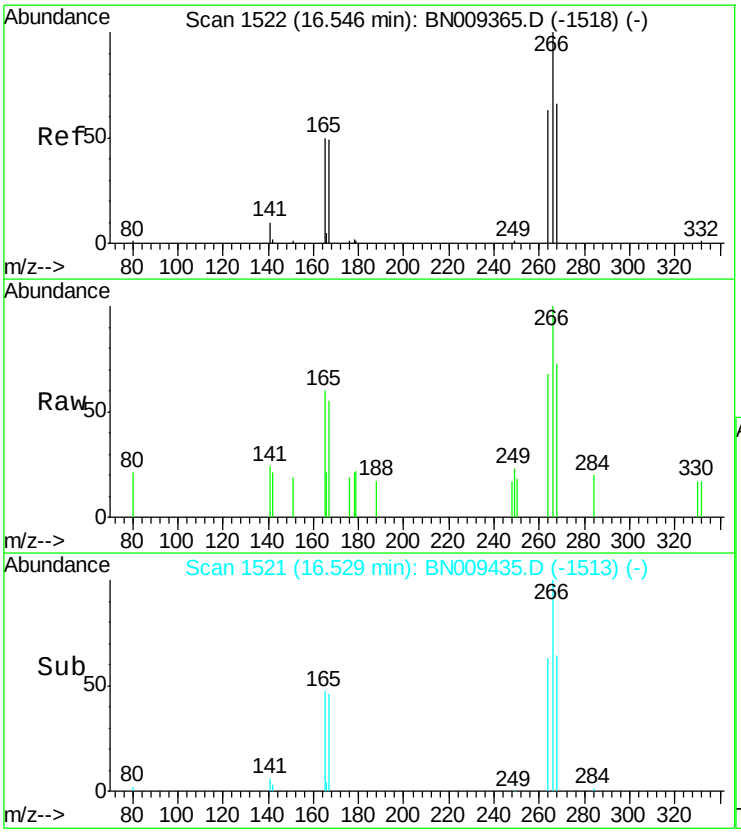
#21
Hexachlorobenzene
Concen: 0.392 ng
RT: 16.17 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 2388

Ion	Ratio	Lower	Upper
284	100		
142	40.2	33.8	50.8
249	32.2	27.0	40.4

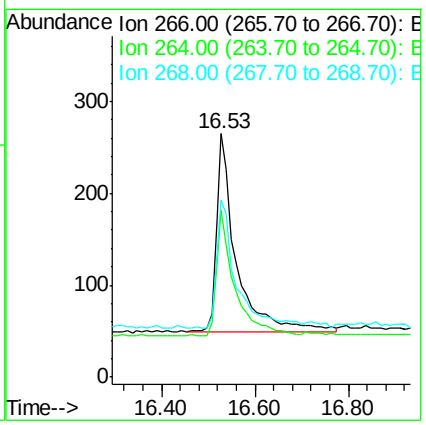


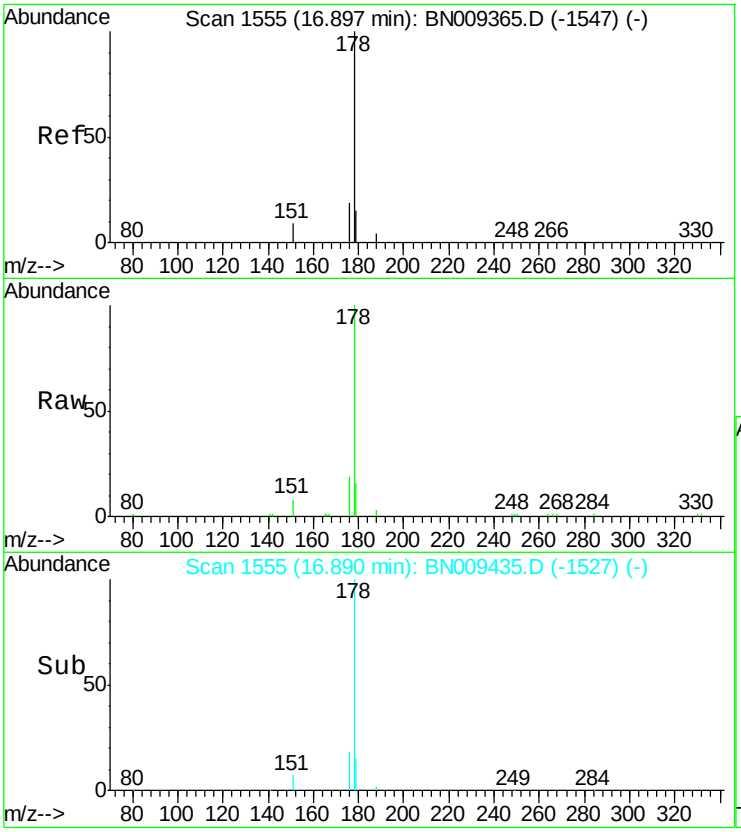


#22
Pentachlorophenol
Concen: 0.446 ng
RT: 16.53 min Scan# 1521
Delta R.T. -0.02 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Tgt Ion:266 Resp: 643

Ion	Ratio	Lower	Upper
266	100		
264	68.3	57.8	86.6
268	72.8	63.8	95.6



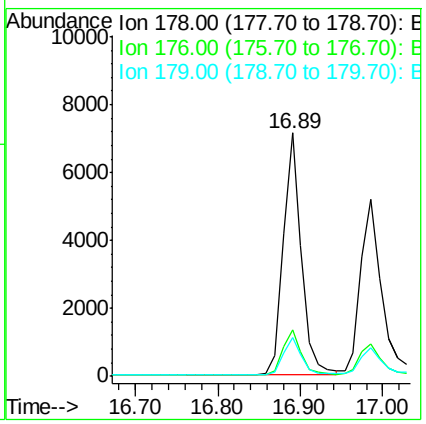


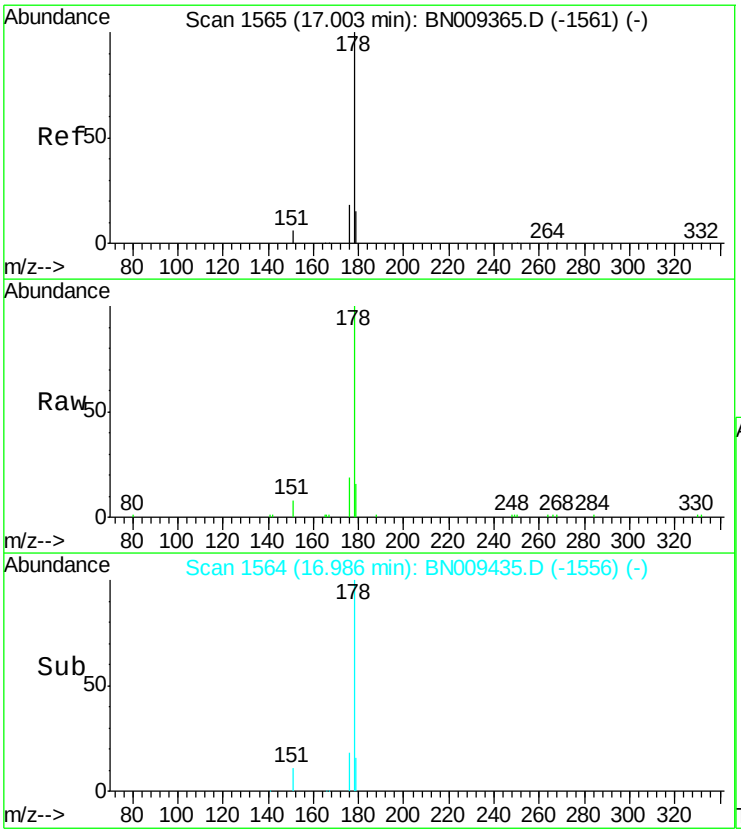
#23
Phenanthrene
Concen: 0.383 ng
RT: 16.89 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 10930

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.3	12.3	18.5

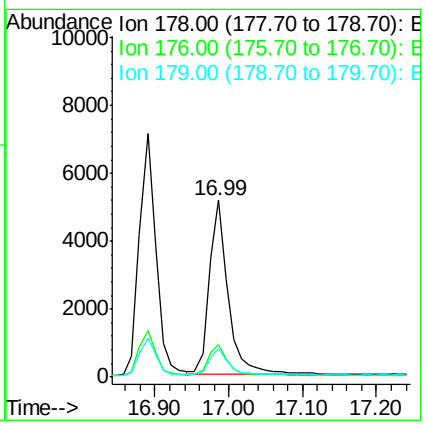


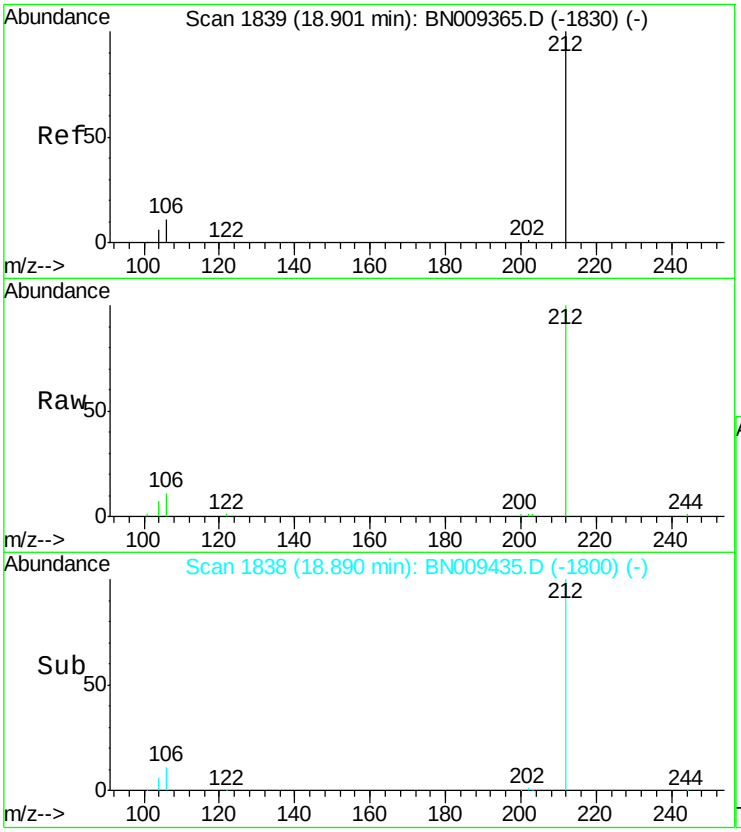


#24
Anthracene
Concen: 0.377 ng
RT: 16.99 min Scan# 1564
Delta R.T. -0.02 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Tgt Ion:178 Resp: 9044

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	15.3	12.5	18.7



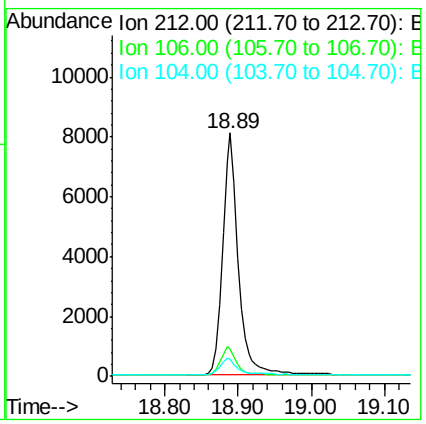


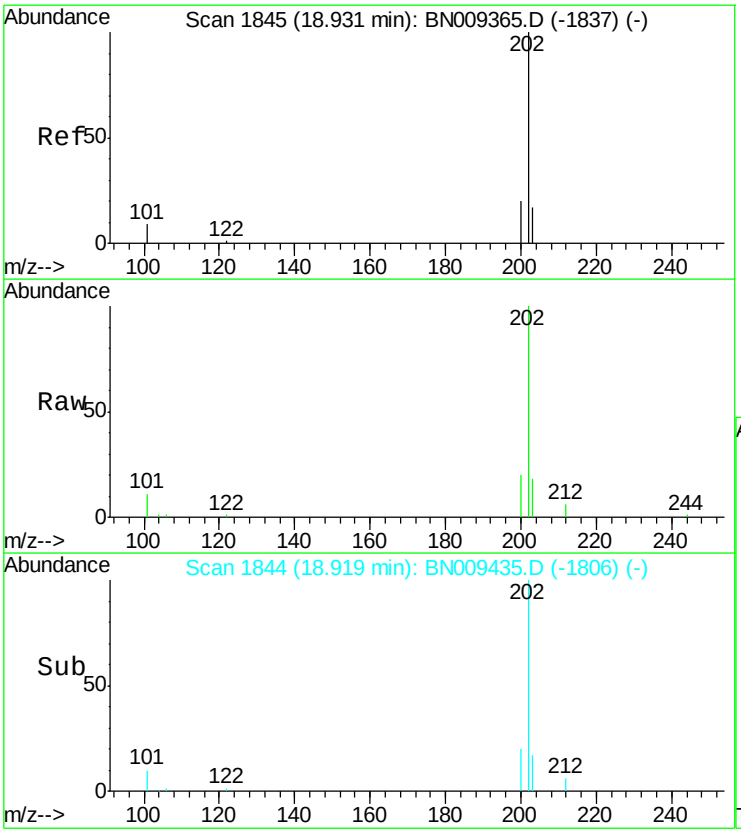
#25
Fluoranthene-d10
Concen: 0.372 ng
RT: 18.89 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 12129

Ion	Ratio	Lower	Upper
212	100		
106	12.1	9.2	13.8
104	6.9	5.4	8.0

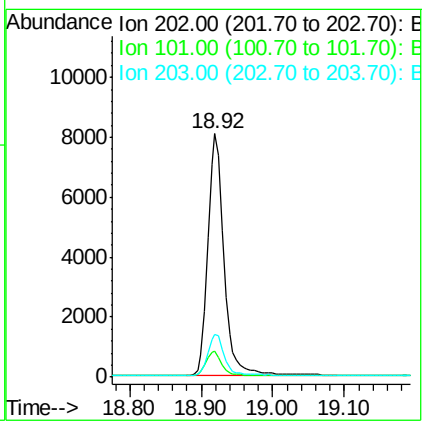


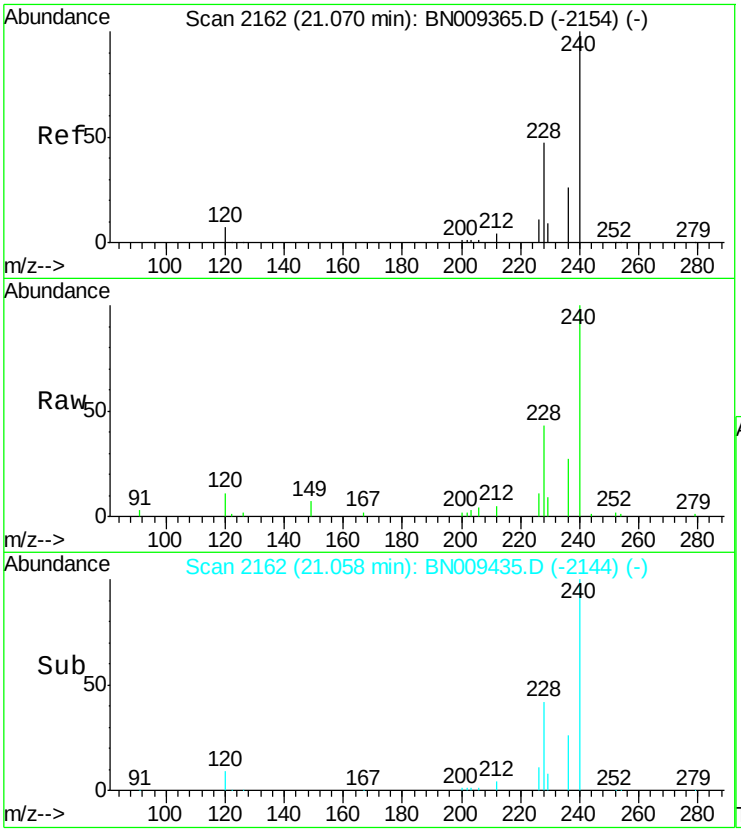


#26
Fluoranthene
Concen: 0.377 ng
RT: 18.92 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Tgt Ion:202 Resp: 12642

Ion	Ratio	Lower	Upper
202	100		
101	10.3	8.0	12.0
203	16.9	13.5	20.3



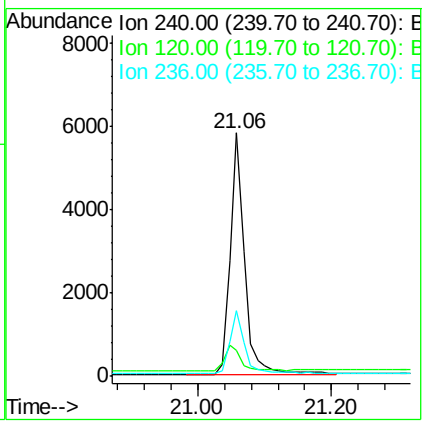


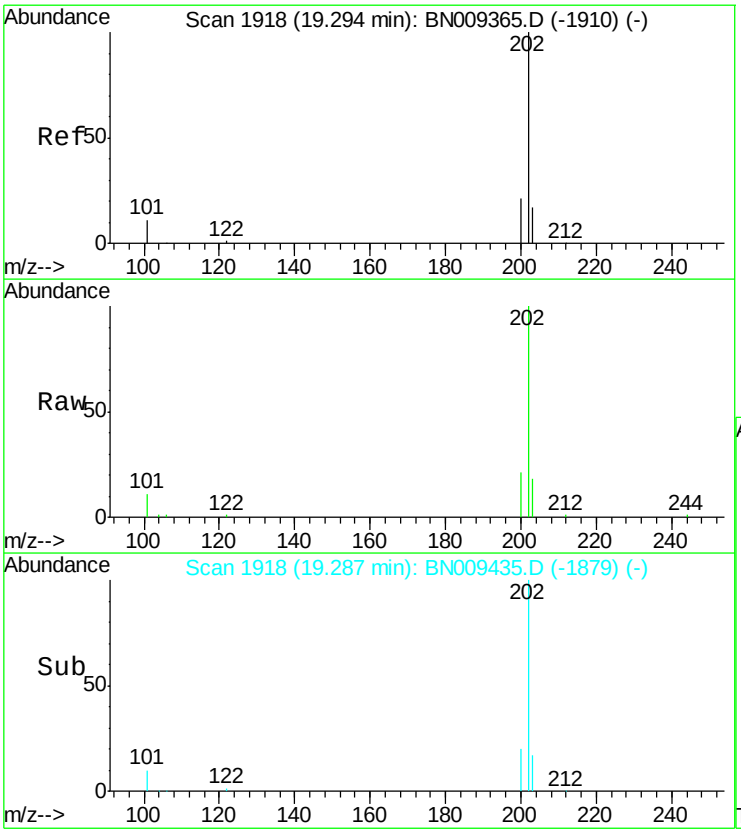
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 8594

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.1	12.1
236	27.1	22.2	33.4

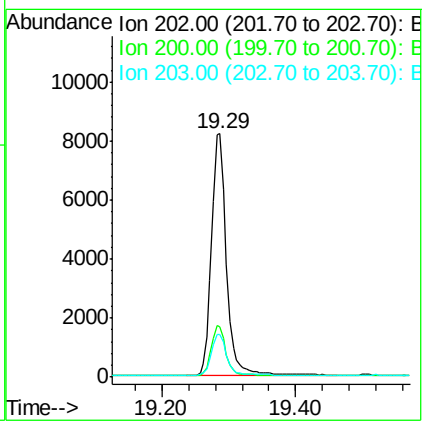


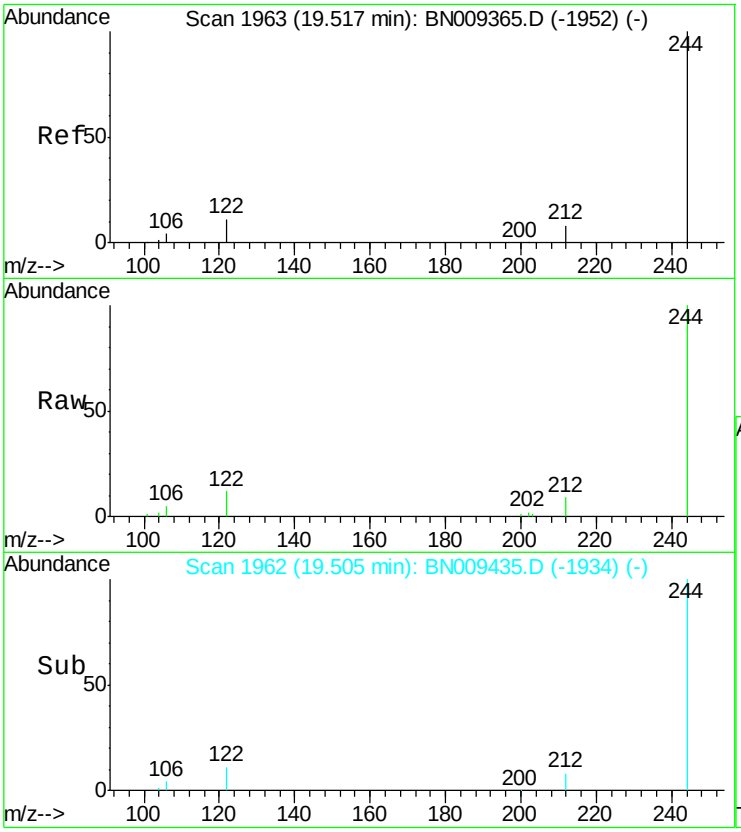


#28
Pyrene
Concen: 0.390 ng
RT: 19.29 min Scan# 1918
Delta R.T. -0.01 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Tgt Ion:202 Resp: 12709

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.2	24.2
203	17.3	14.1	21.1



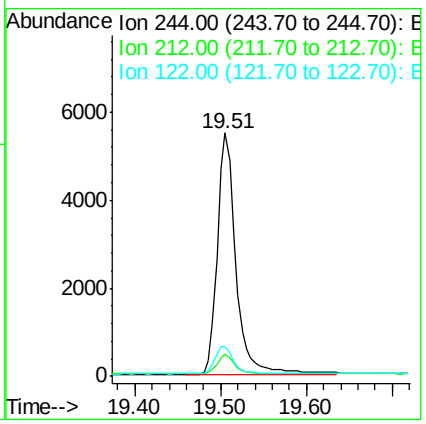


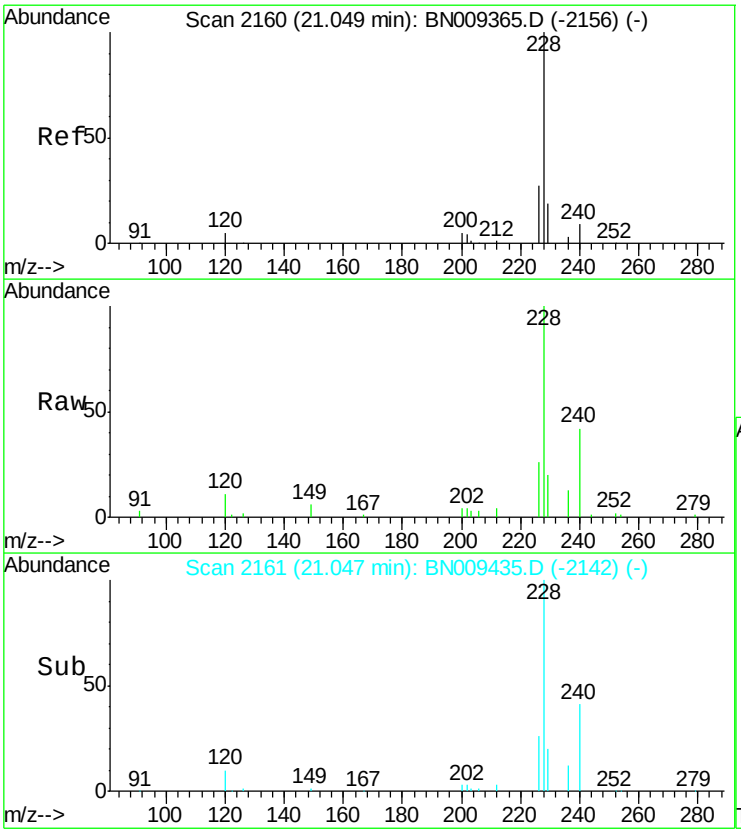
#29
Terphenyl-d14
Concen: 0.407 ng
RT: 19.51 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 8276

Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.5	11.3
122	12.3	9.8	14.6

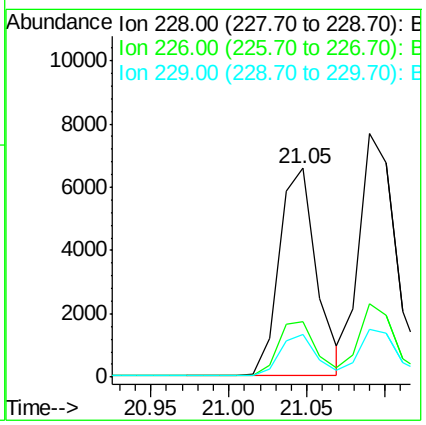


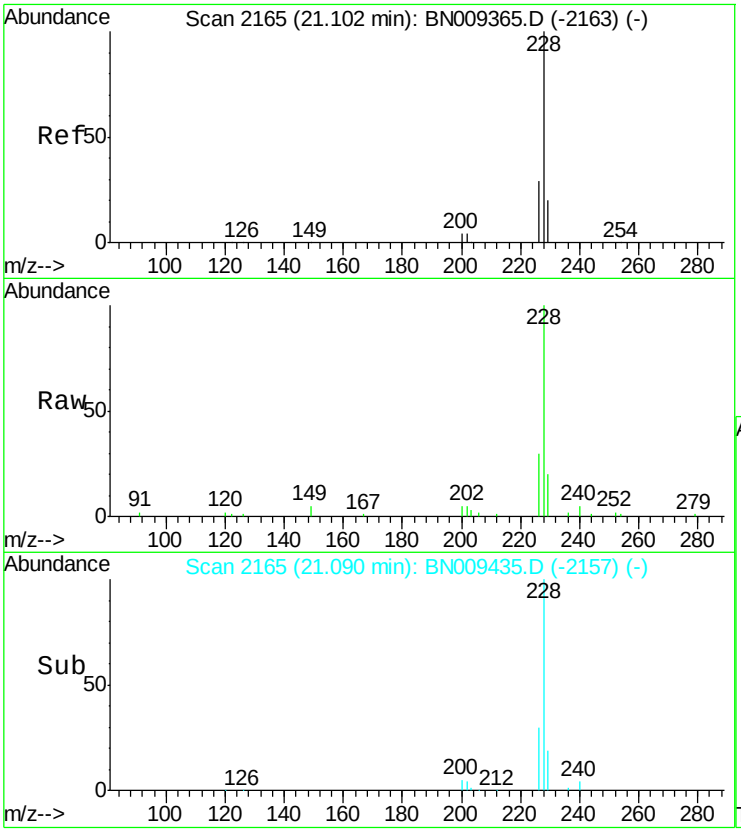


#30
Benzo(a)anthracene
Concen: 0.383 ng
RT: 21.05 min Scan# 2161
Delta R.T. -0.00 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Tgt Ion:228 Resp: 10809

Ion	Ratio	Lower	Upper
228	100		
226	26.5	22.5	33.7
229	20.4	16.1	24.1



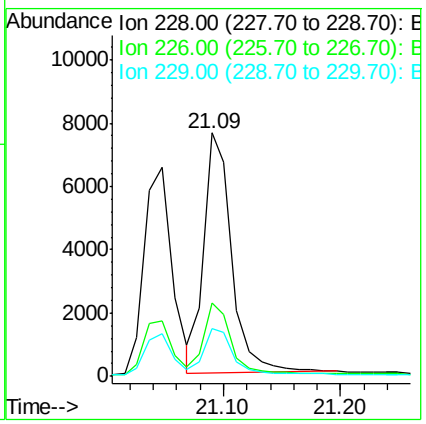


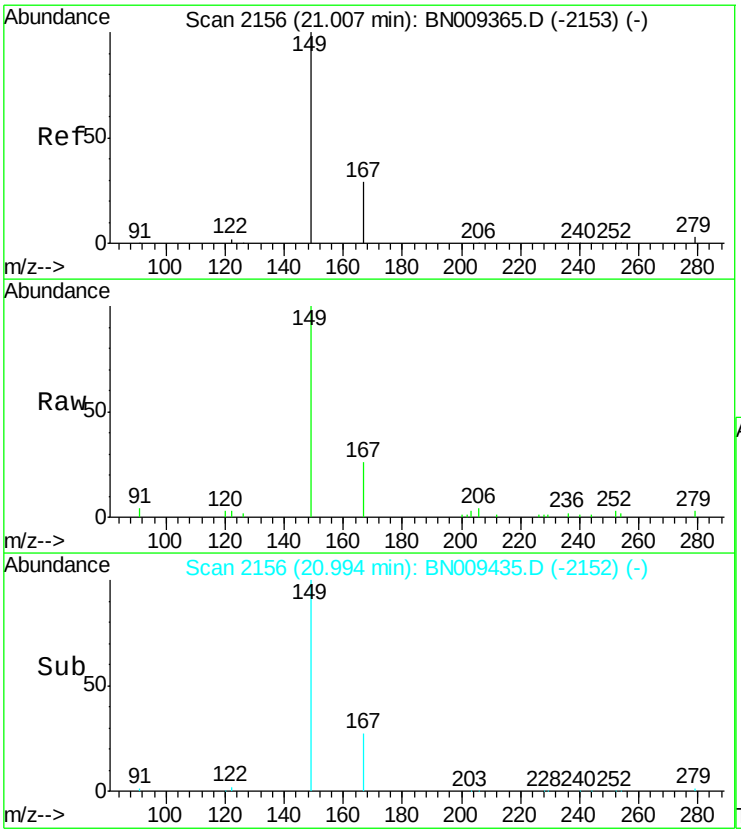
#31
Chrysene
Concen: 0.387 ng
RT: 21.09 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 12514

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.8	35.8
229	19.6	16.6	24.8

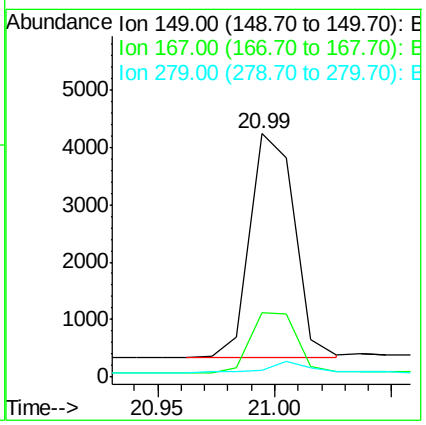


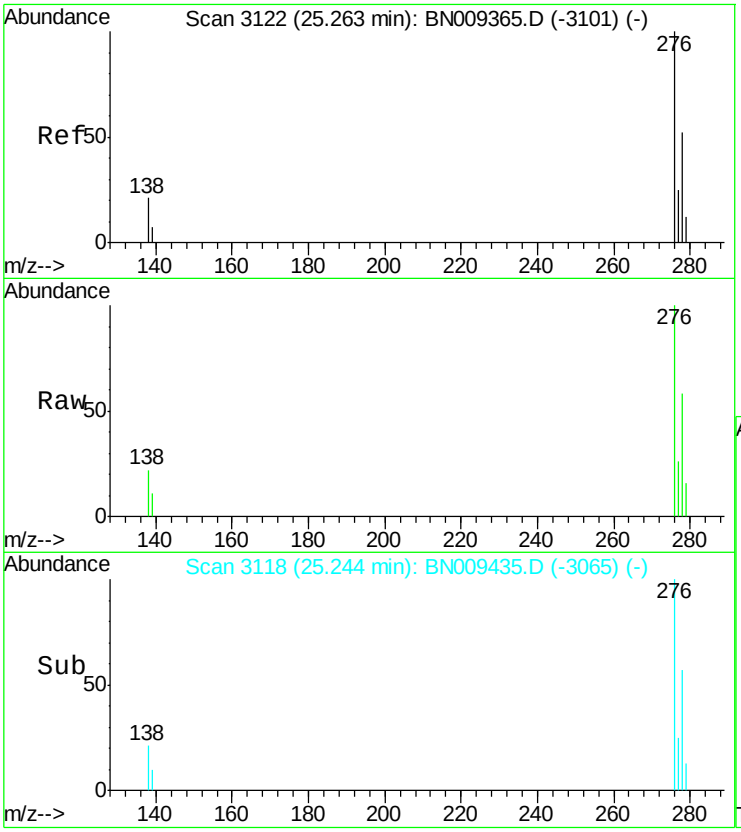


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.412 ng
RT: 20.99 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Tgt Ion:149 Resp: 5143

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.9	34.3
279	3.7	3.4	5.0



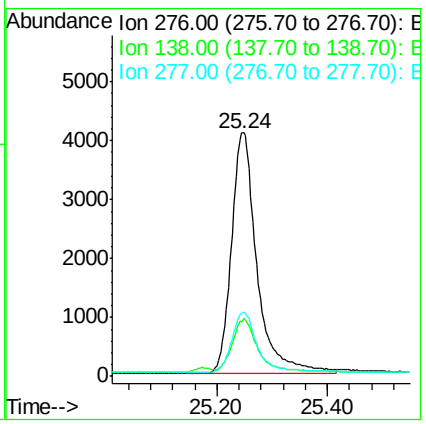


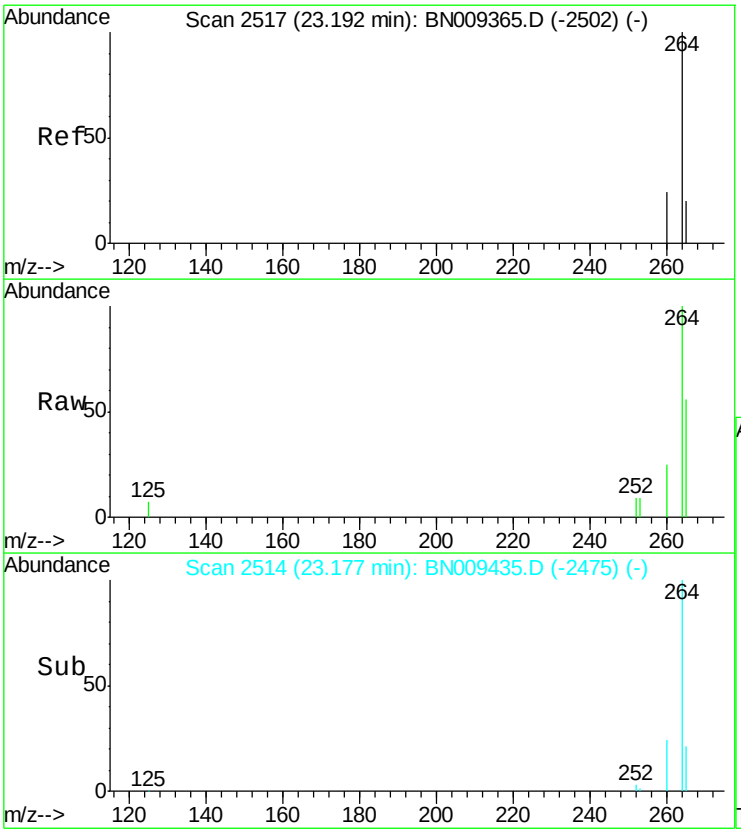
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.395 ng
RT: 25.24 min Scan# 3118
Delta R.T. -0.02 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 13277

Ion	Ratio	Lower	Upper
276	100		
138	20.9	15.9	23.9
277	24.5	19.8	29.6

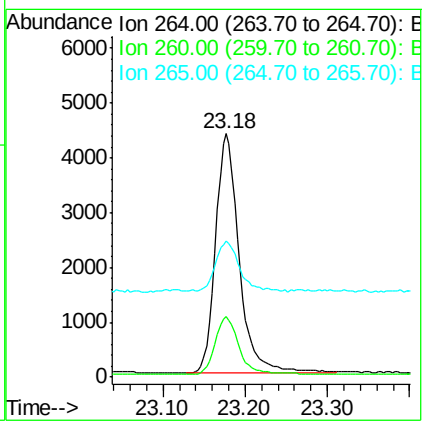


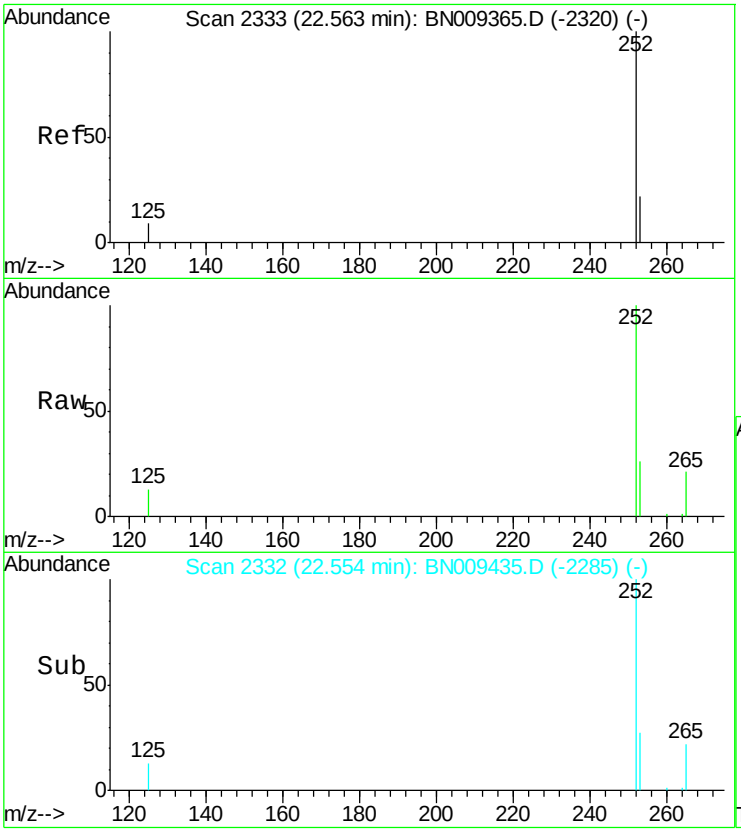


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.18 min Scan# 2514
Delta R.T. -0.02 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Tgt Ion:264 Resp: 8780

Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.1	30.1
265	56.1	68.2	102.4#



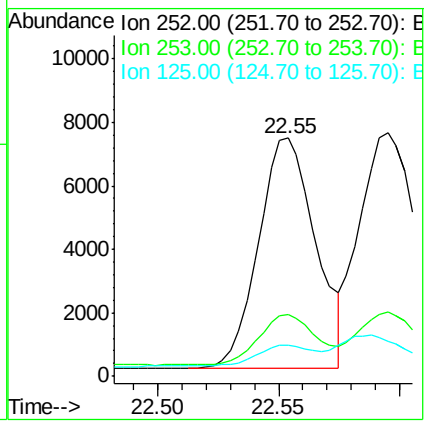


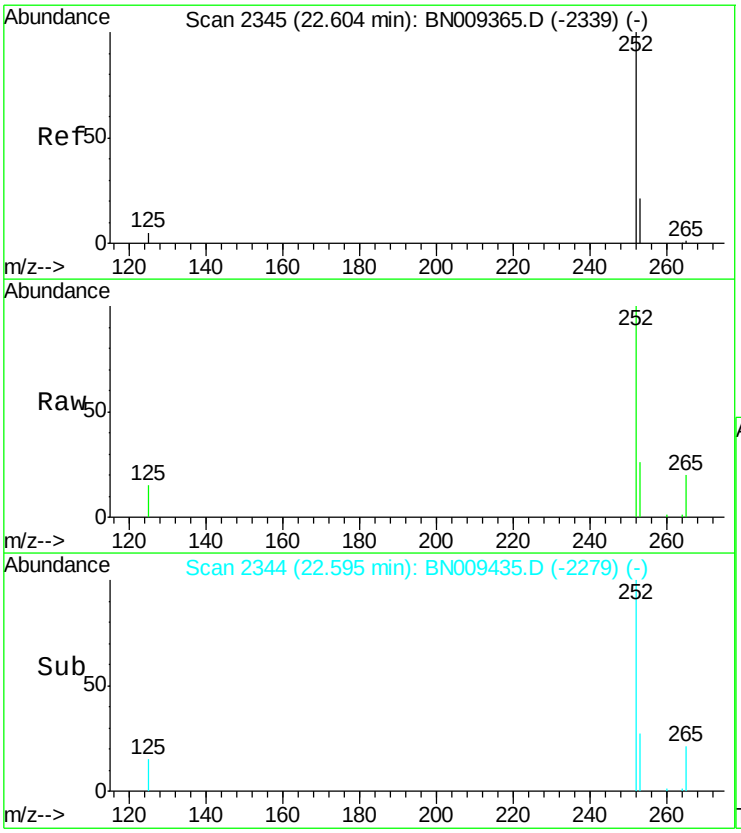
#35
Benzo(b)fluoranthene
Concen: 0.370 ng
RT: 22.55 min Scan# 2332
Delta R.T. -0.01 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 11936

Ion	Ratio	Lower	Upper
252	100		
253	26.0	22.4	33.6
125	13.1	11.6	17.4

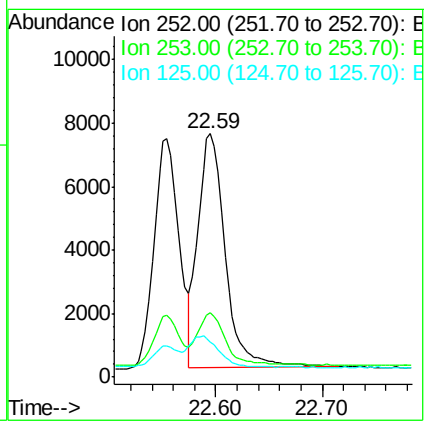


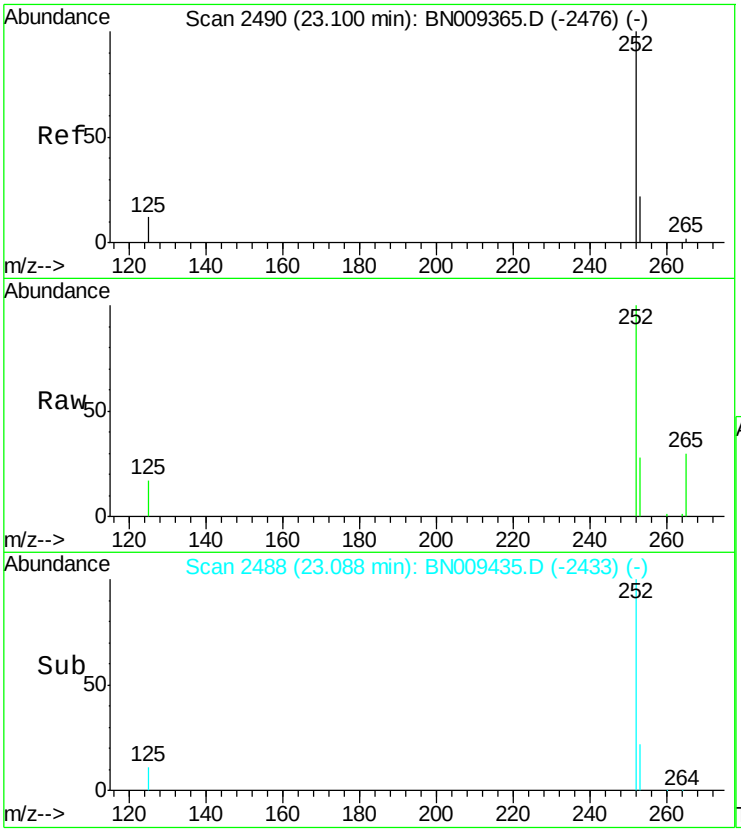


#36
Benzo(k)fluoranthene
Concen: 0.369 ng
RT: 22.59 min Scan# 2344
Delta R.T. -0.01 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Tgt Ion:252 Resp: 13153

Ion	Ratio	Lower	Upper
252	100		
253	26.3	21.9	32.9
125	14.6	12.0	18.0



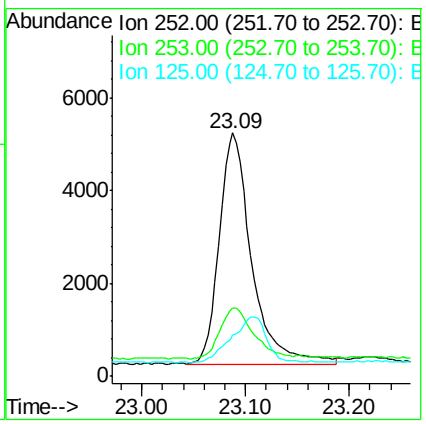


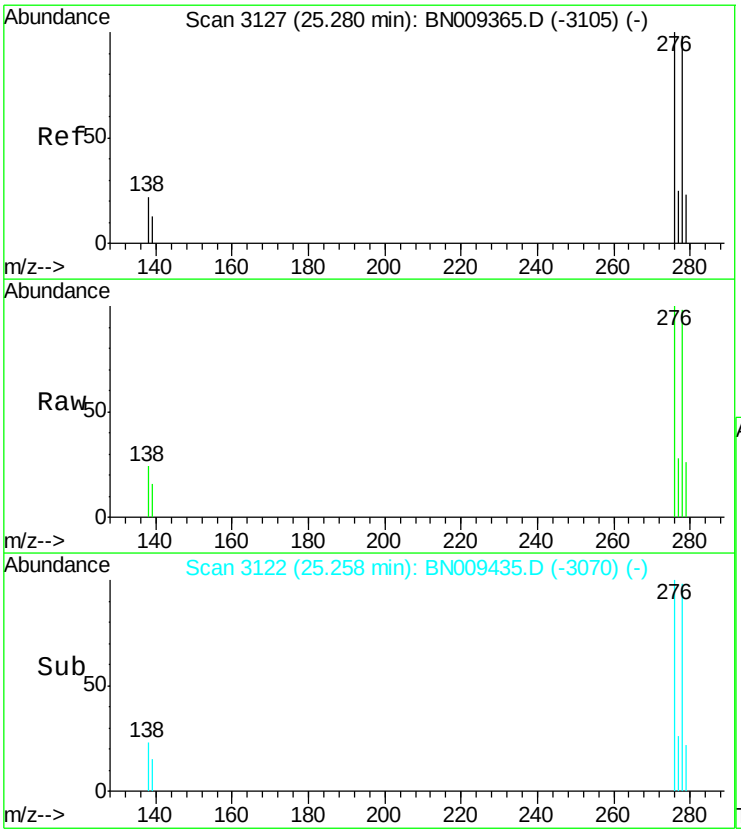
#37
Benzo(a)pyrene
Concen: 0.378 ng
RT: 23.09 min Scan# 2488
Delta R.T. -0.01 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 10758

Ion	Ratio	Lower	Upper
252	100		
253	27.9	25.4	38.0
125	16.8	16.2	24.2

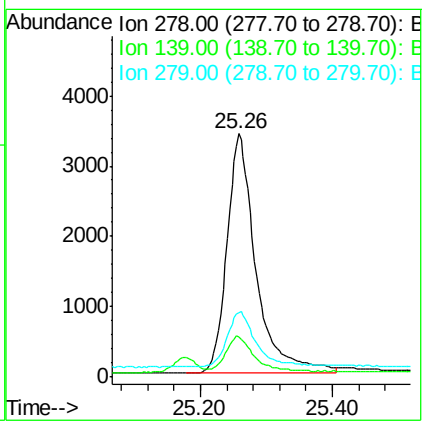


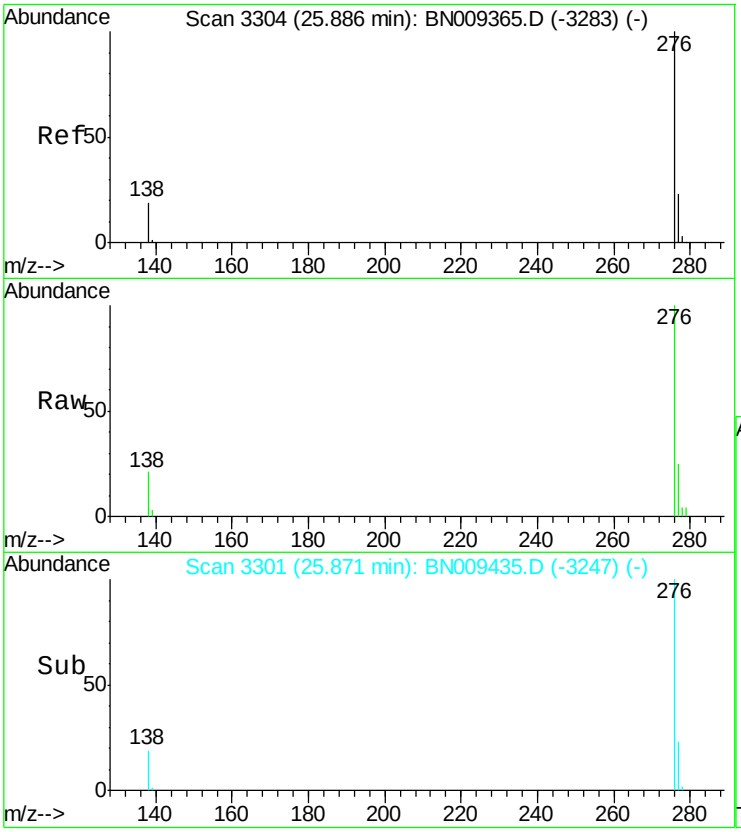


#38
Dibenzo(a,h)anthracene
Concen: 0.364 ng
RT: 25.26 min Scan# 3122
Delta R.T. -0.02 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Tgt Ion:278 Resp: 10421

Ion	Ratio	Lower	Upper
278	100		
139	16.5	14.5	21.7
279	26.4	24.2	36.4





#39
Benzo(g,h,i)perylene
Concen: 0.355 ng
RT: 25.87 min Scan# 3301
Delta R.T. -0.02 min
Lab File: BN009435.D
Acq: 24 Jan 2020 10:04

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 11160

Ion	Ratio	Lower	Upper
276	100		
277	24.7	20.6	30.8
138	20.9	17.1	25.7