Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN011420\
Data File : BN009365.D
Acq On : 13 Jan 2020 15:42
Operator : JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDICCC0.4

Quant Time: Jan 13 16:27:16 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN011420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 13 16:24:14 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	1321	0.40	ng		0.00
7) Naphthalene-d8	10.23	136	4619	0.40	ng		0.00
13) Acenaphthene-d10	14.11	164	2851	0.40	ng		0.00
19) Phenanthrene-d10	16.86	188	6185	0.40	ng		0.00
27) Chrysene-d12	21.07	240	5629	0.40	ng		0.00
34) Perylene-d12	23.19	264	5568	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.13	112	1249	0.37	ng		0.00
5) Phenol-d6	6.68	99	1430	0.31	ng		0.00
8) Nitrobenzene-d5	8.63	82	1398	0.36	ng		0.00
11) 2-Methylnaphthalene-d10	11.83	152	3561	0.45	ng		0.00
14) 2,4,6-Tribromophenol	15.62	330	403	0.29	ng		0.00
15) 2-Fluorobiphenyl	12.73	172	4290	0.40	ng		0.00
25) Fluoranthene-d10	18.90	212	8309	0.44	ng		0.00
29) Terphenyl-d14	19.52	244	5364	0.42	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.14	88	579	0.467	ng		100
3) n-Nitrosodimethylamine	3.48	42	791	0.462	ng		100
6) bis(2-Chloroethyl)ether	6.93	93	1329	0.304	ng		100
9) Naphthalene	10.28	128	5041	0.400	ng		100
10) Hexachlorobutadiene	10.57	225	1124	0.466	ng	#	100
12) 2-Methylnaphthalene	11.91	142	3447	0.367	ng		100
16) Acenaphthylene	13.82	152	4707	0.361	ng		100
17) Acenaphthene	14.16	154	3472	0.401	ng		100
18) Fluorene	15.17	166	4534	0.389	ng		100
20) 4-Bromophenyl-phenylether	16.07	248	1460	0.395	ng		100
21) Hexachlorobenzene	16.17	284	1604	0.381	ng		100
22) Pentachlorophenol	16.55	266	362	0.238	ng		100
23) Phenanthrene	16.90	178	7500	0.385	ng		100
24) Anthracene	17.00	178	6041	0.352	ng		100
26) Fluoranthene	18.93	202	8548	0.369	ng		100
28) Pyrene	19.29	202	8676	0.440	ng		100
30) Benzo(a)anthracene	21.05	228	7127	0.357	ng		100
31) Chrysene	21.10	228	8462	0.409	ng		100
32) Bis(2-ethylhexyl)phthalate	21.01	149	3028	0.324	ng		100
33) Indeno(1,2,3-cd)pyrene	25.26	276	9023	0.412	ng		100
35) Benzo(b)fluoranthene	22.56	252	7841	0.393	ng		100
36) Benzo(k)fluoranthene	22.60	252	9458	0.471	ng		100
37) Benzo(a)pyrene	23.10	252	7126	0.398	ng		100
38) Dibenzo(a,h)anthracene	25.28	278	7144	0.425	ng		100
39) Benzo(g,h,i)perylene	25.89	276	8026	0.484	ng		100

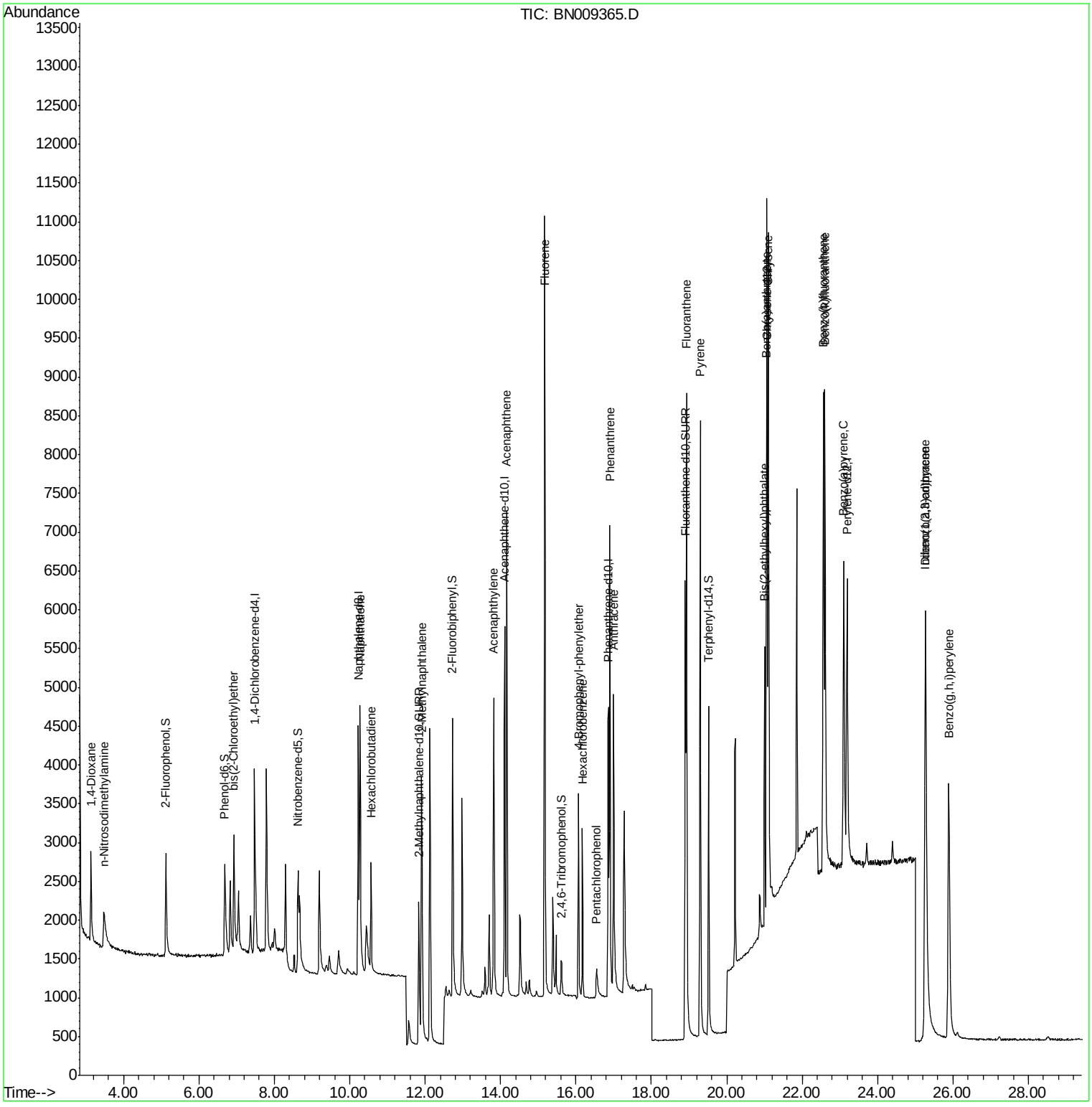
(#) = qualifier out of range (m) = manual integration (+) = signals summed

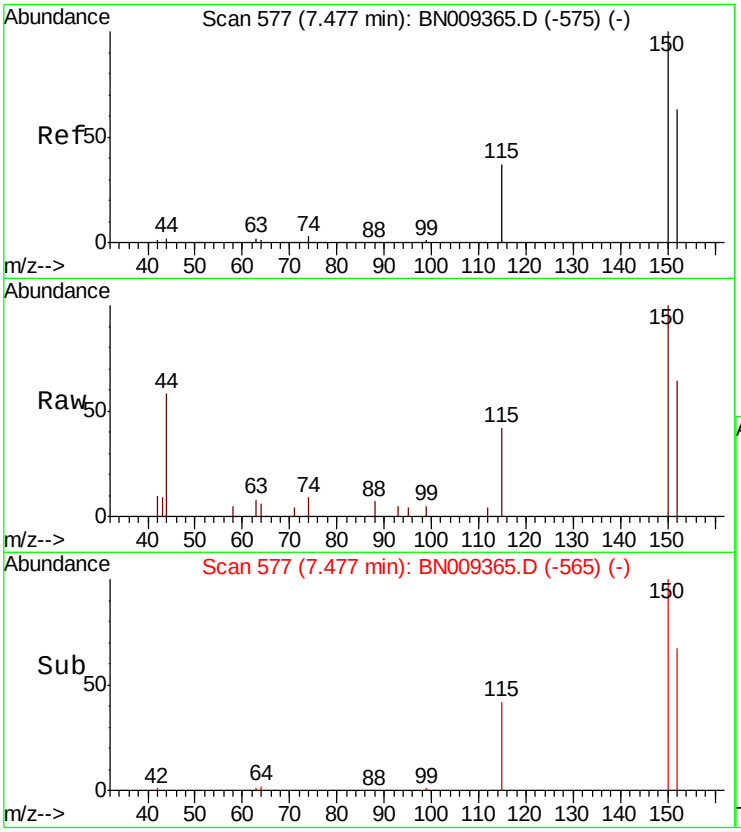
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN011420\
Data File : BN009365.D
Acq On : 13 Jan 2020 15:42
Operator : JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Jan 13 16:27:16 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN011420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 13 16:24:14 2020
Response via : Initial Calibration



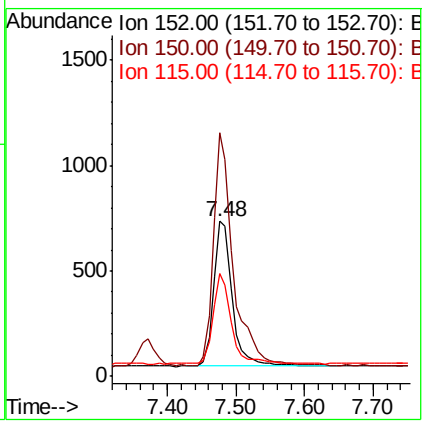


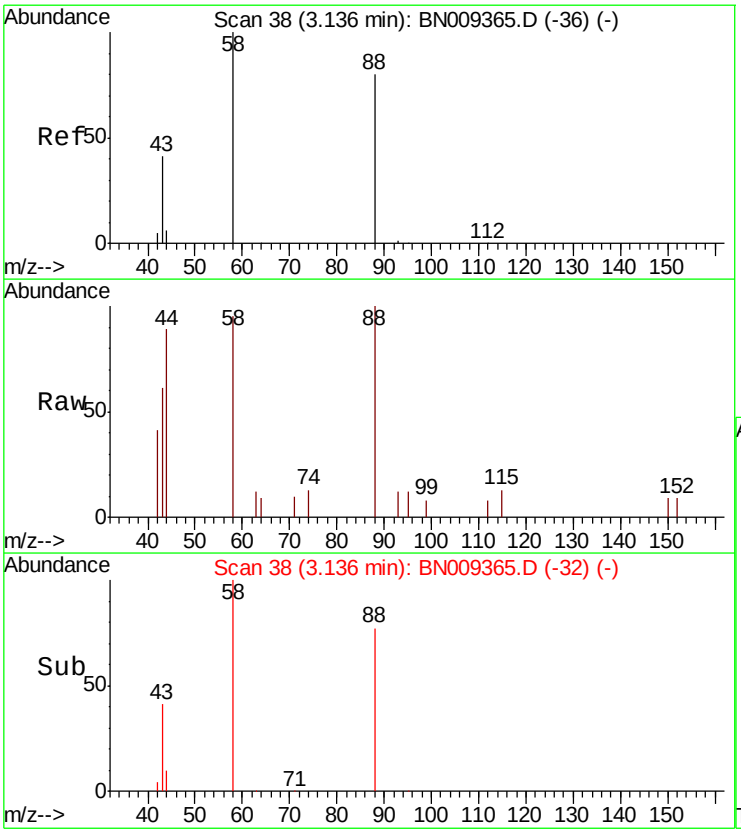
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 1321

Ion	Ratio	Lower	Upper
152	100		
150	157.1	125.7	188.5
115	66.6	53.3	79.9

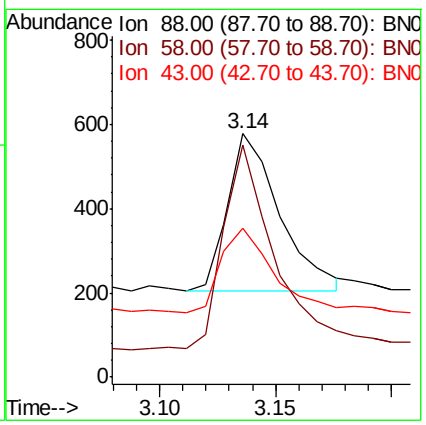


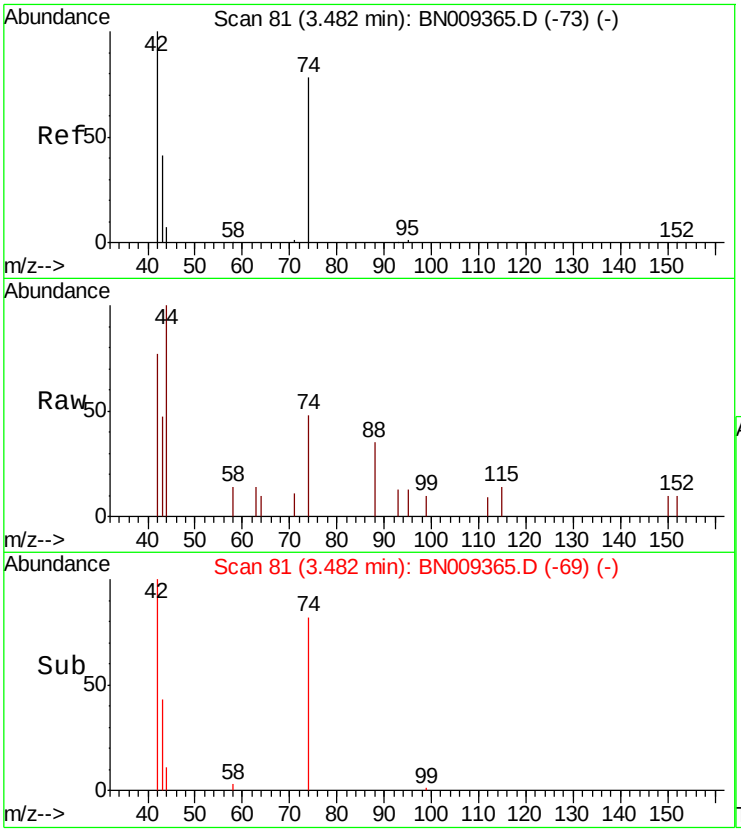


#2
1,4-Dioxane
Concen: 0.467 ng
RT: 3.14 min Scan# 38
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Tgt Ion: 88 Resp: 579

Ion	Ratio	Lower	Upper
88	100		
58	125.2	100.2	150.2
43	53.9	43.1	64.7



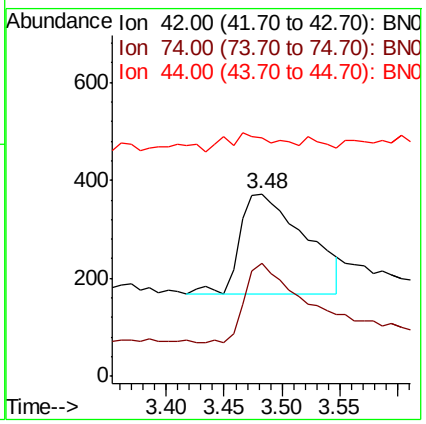


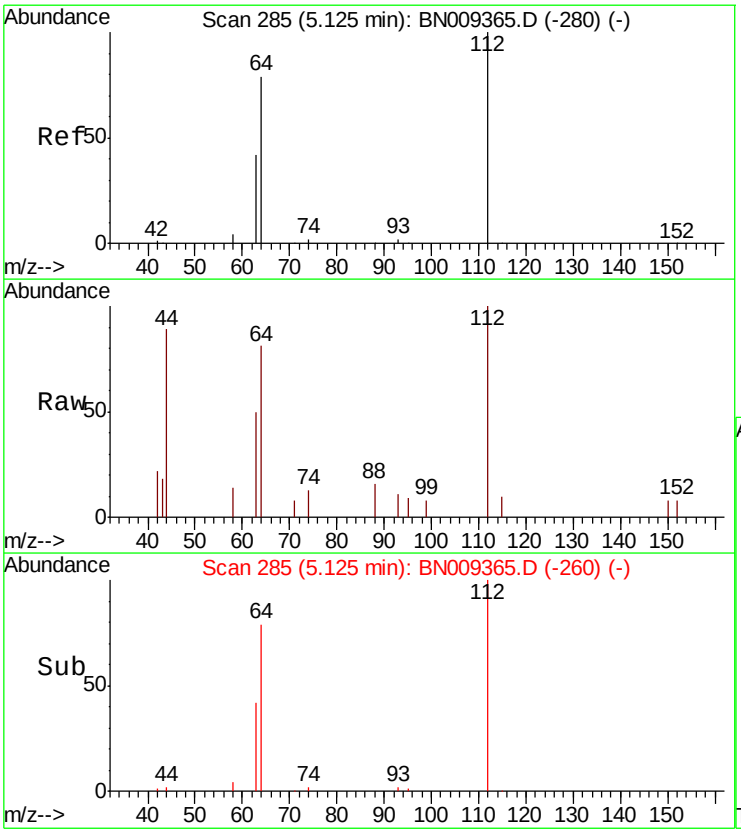
#3
n-Nitrosodimethylamine
Concen: 0.462 ng
RT: 3.48 min Scan# 81
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 791

Ion	Ratio	Lower	Upper
42	100		
74	69.8	55.8	83.8
44	13.9	11.1	16.7

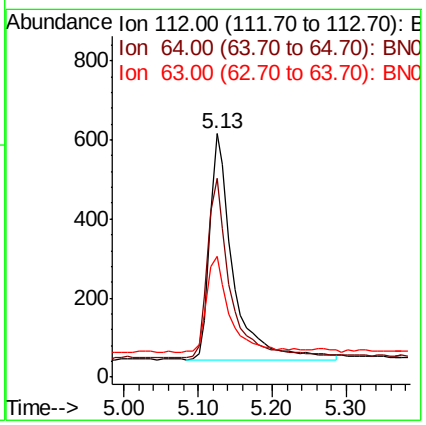


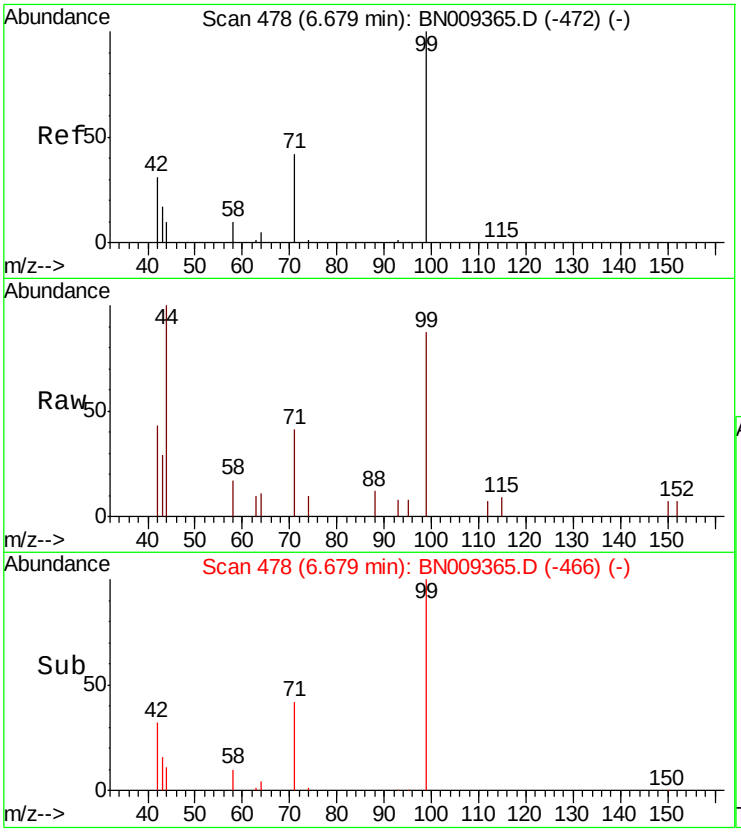


#4
2-Fluorophenol
Concen: 0.372 ng
RT: 5.13 min Scan# 285
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Tgt Ion:112 Resp: 1249

Ion	Ratio	Lower	Upper
112	100		
64	76.9	61.5	92.3
63	43.7	35.0	52.4



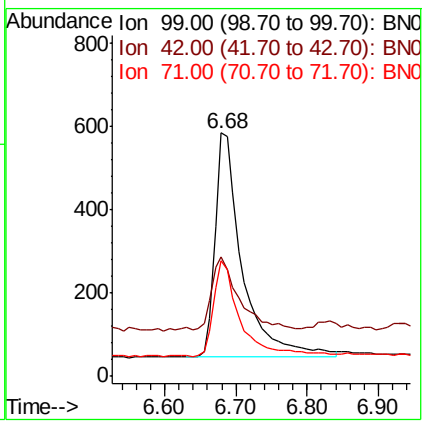


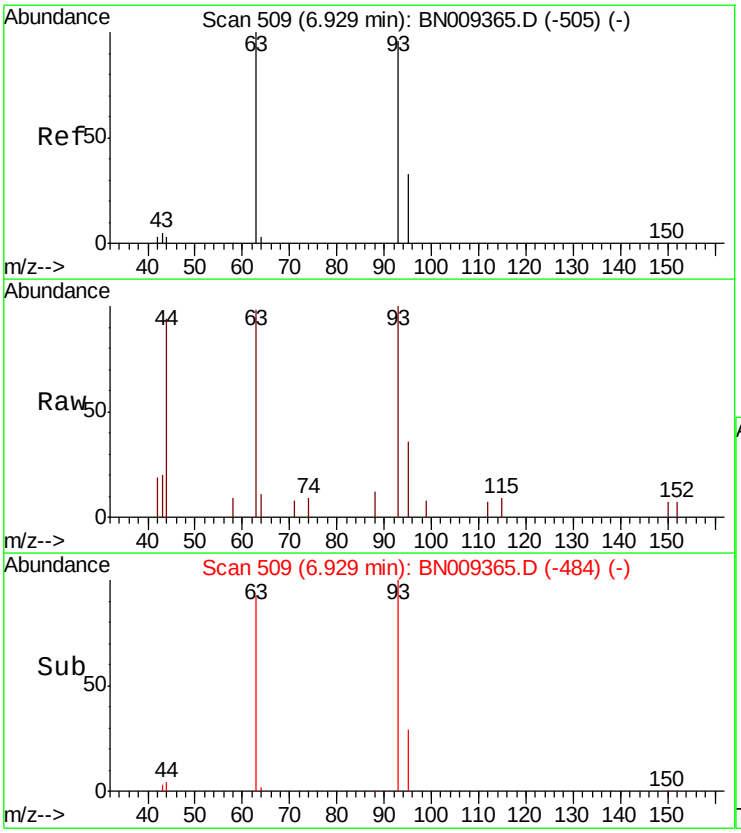
#5
Phenol-d6
Concen: 0.308 ng
RT: 6.68 min Scan# 478
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 1430

Ion	Ratio	Lower	Upper
99	100		
42	34.5	27.6	41.4
71	41.3	33.0	49.6

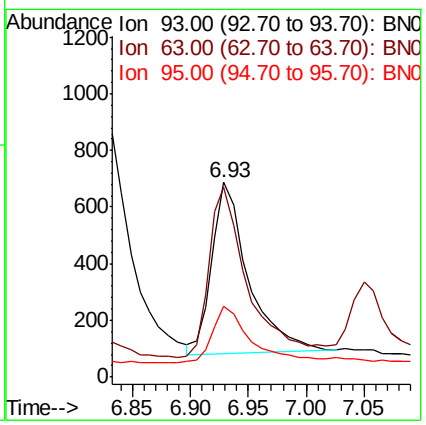


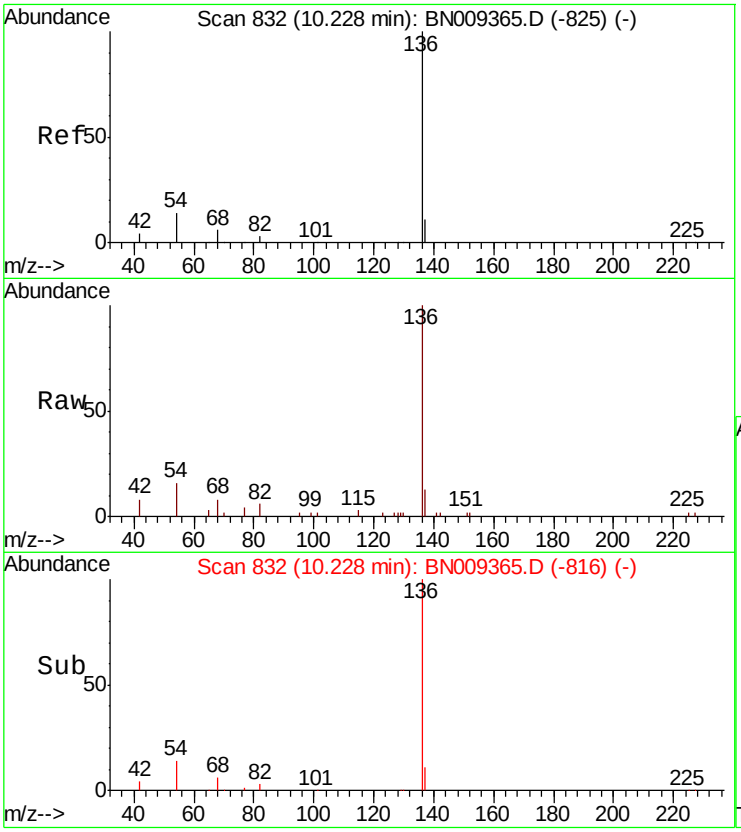


#6
bis(2-Chloroethyl)ether
Concen: 0.304 ng
RT: 6.93 min Scan# 509
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Tgt Ion: 93 Resp: 1329

Ion	Ratio	Lower	Upper
93	100		
63	106.4	85.1	127.7
95	37.8	30.2	45.4



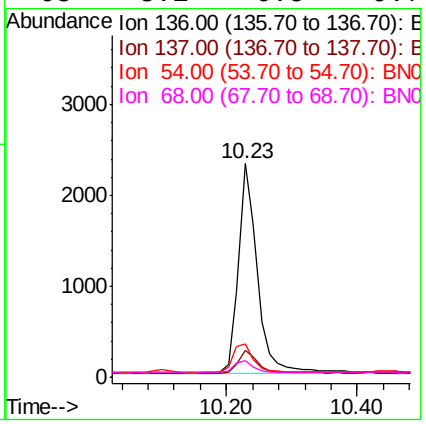


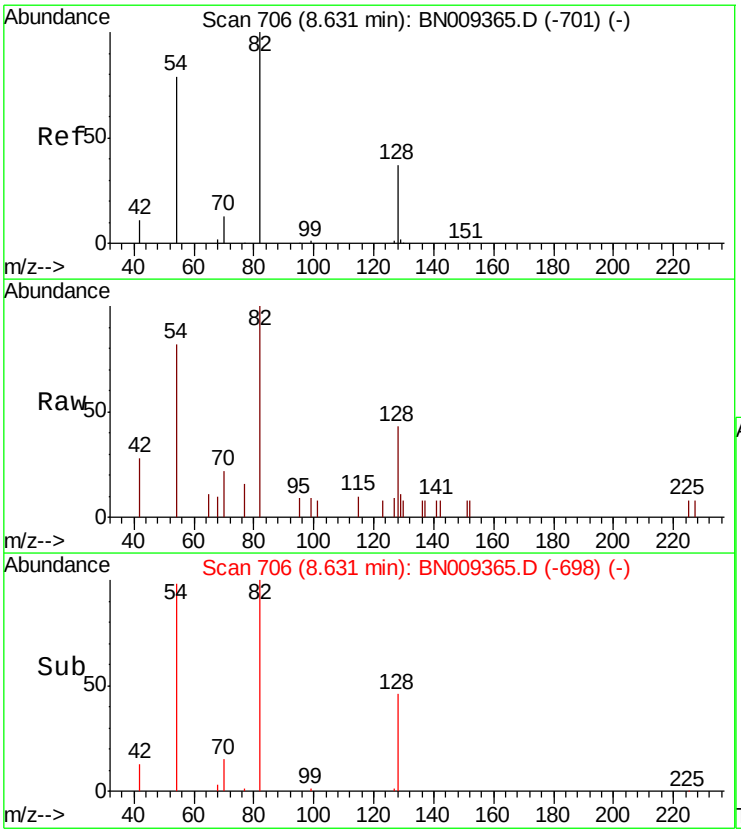
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.23 min Scan# 832
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 4619

Ion	Ratio	Lower	Upper
136	100		
137	12.9	10.3	15.5
54	15.8	12.6	19.0
68	8.1	6.5	9.7

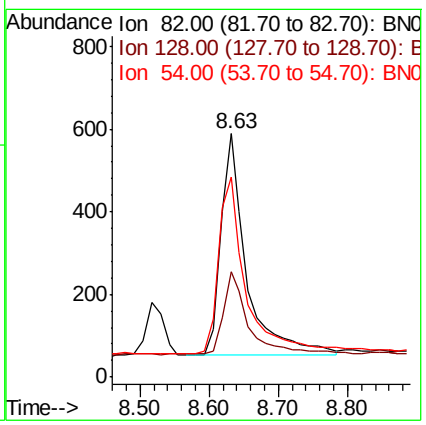


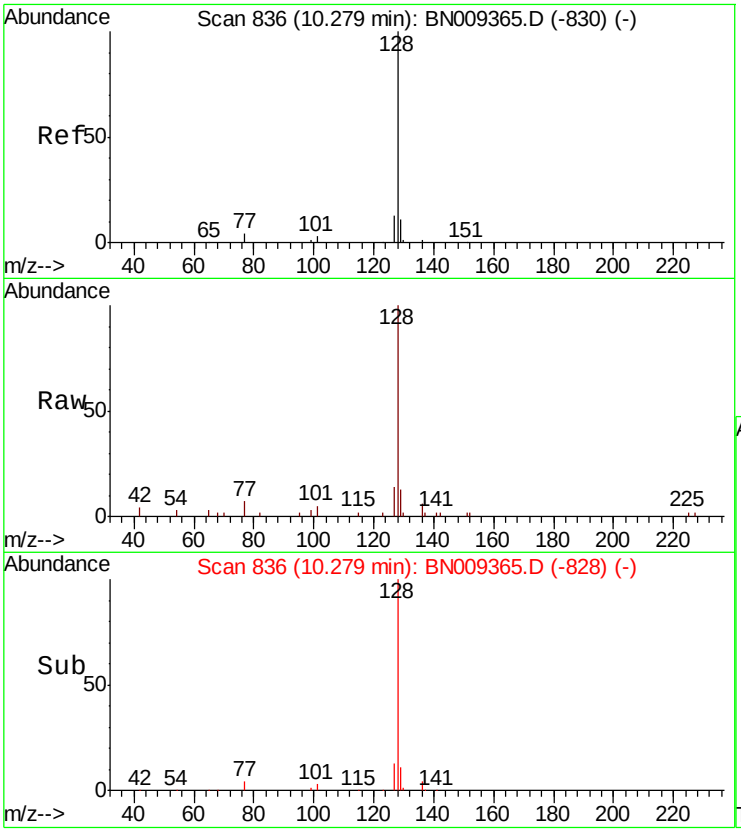


#8
Nitrobenzene-d5
Concen: 0.357 ng
RT: 8.63 min Scan# 706
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Tgt Ion: 82 Resp: 1398

Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.8	52.2
54	82.2	65.8	98.6



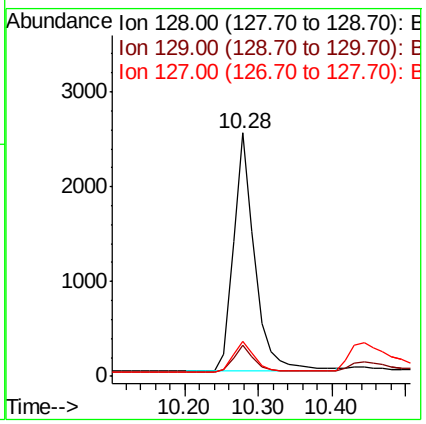


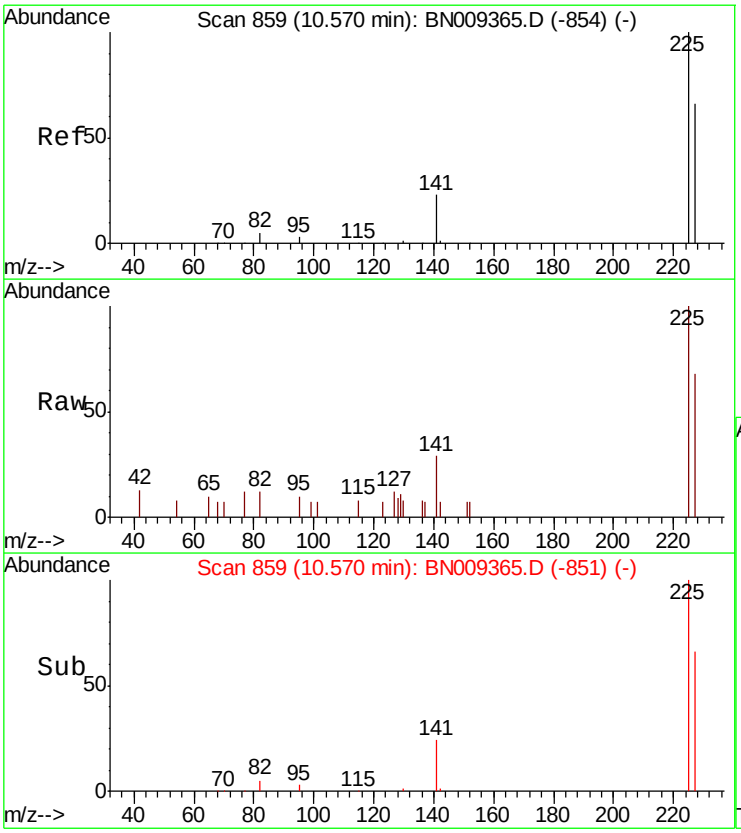
#9
Naphthalene
Concen: 0.400 ng
RT: 10.28 min Scan# 836
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 5041

Ion	Ratio	Lower	Upper
128	100		
129	13.0	10.4	15.6
127	14.3	11.4	17.2

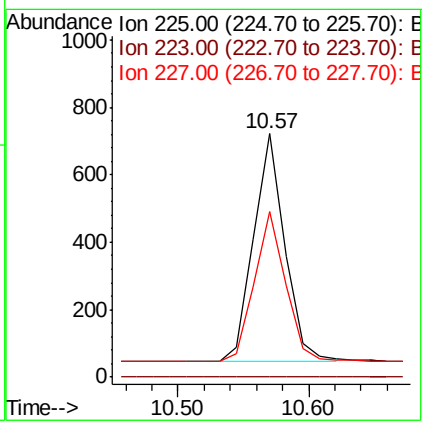


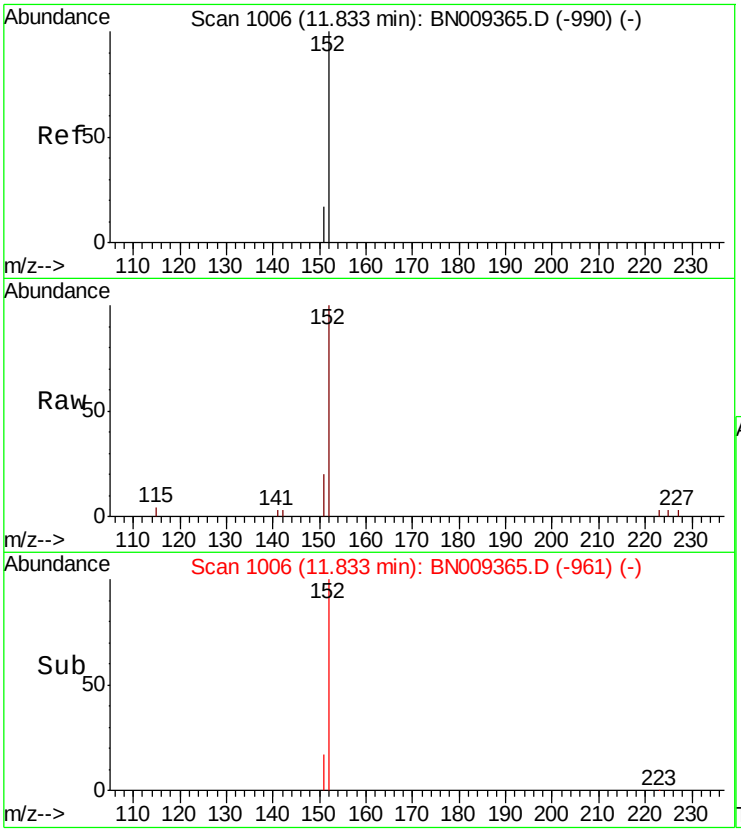


#10
Hexachlorobutadiene
Concen: 0.466 ng
RT: 10.57 min Scan# 859
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Tgt Ion:225 Resp: 1124

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.7	52.6	78.8



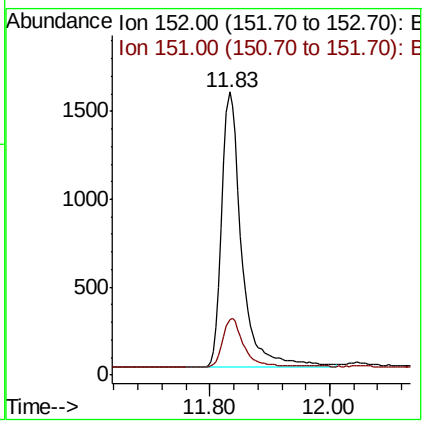


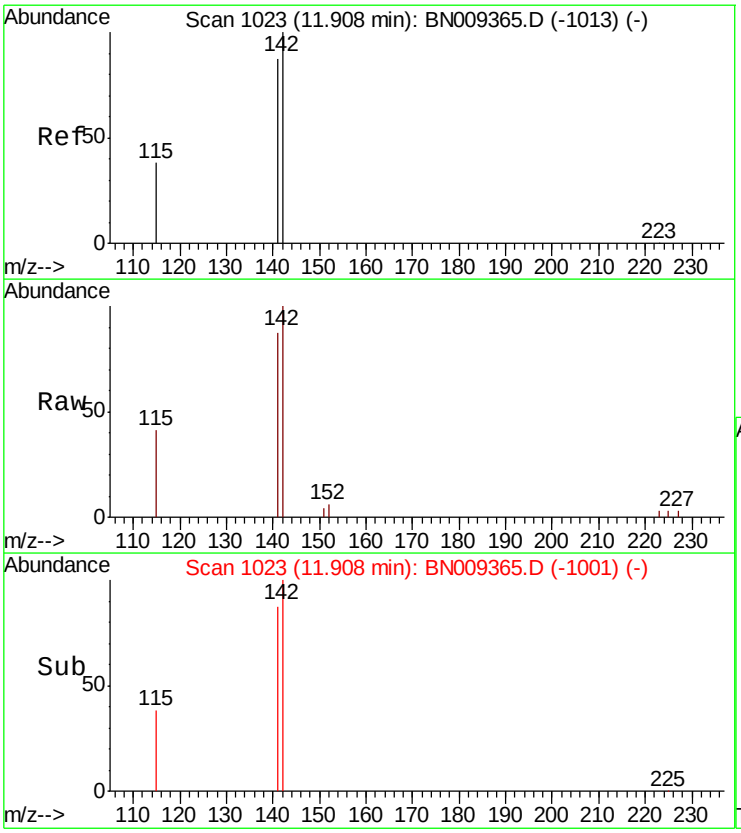
#11
2-Methylnaphthalene-d10
Concen: 0.451 ng
RT: 11.83 min Scan# 1006
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 3561

Ion	Ratio	Lower	Upper
152	100		
151	18.5	14.8	22.2

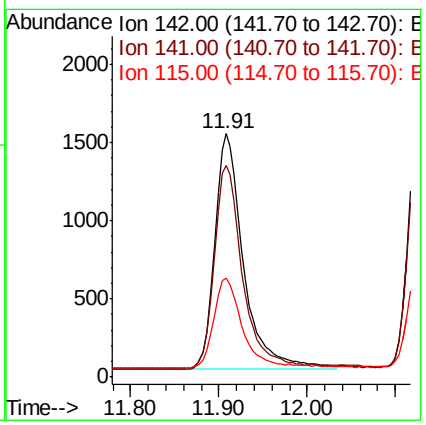


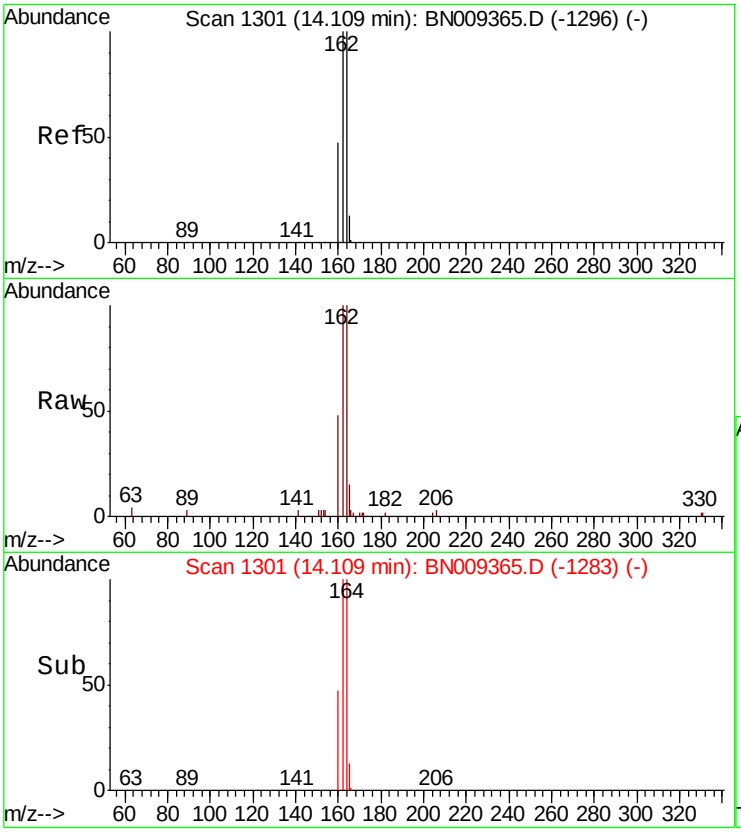


#12
2-Methylnaphthalene
Concen: 0.367 ng
RT: 11.91 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Tgt Ion:142 Resp: 3447

Ion	Ratio	Lower	Upper
142	100		
141	87.2	69.8	104.6
115	40.6	32.5	48.7



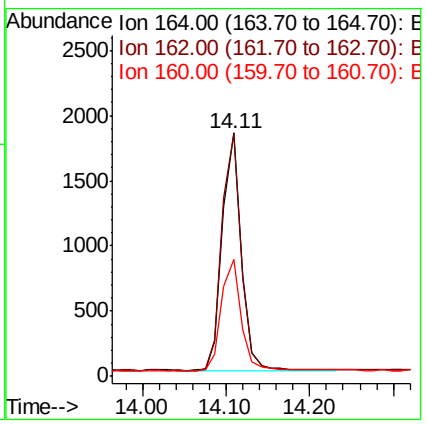


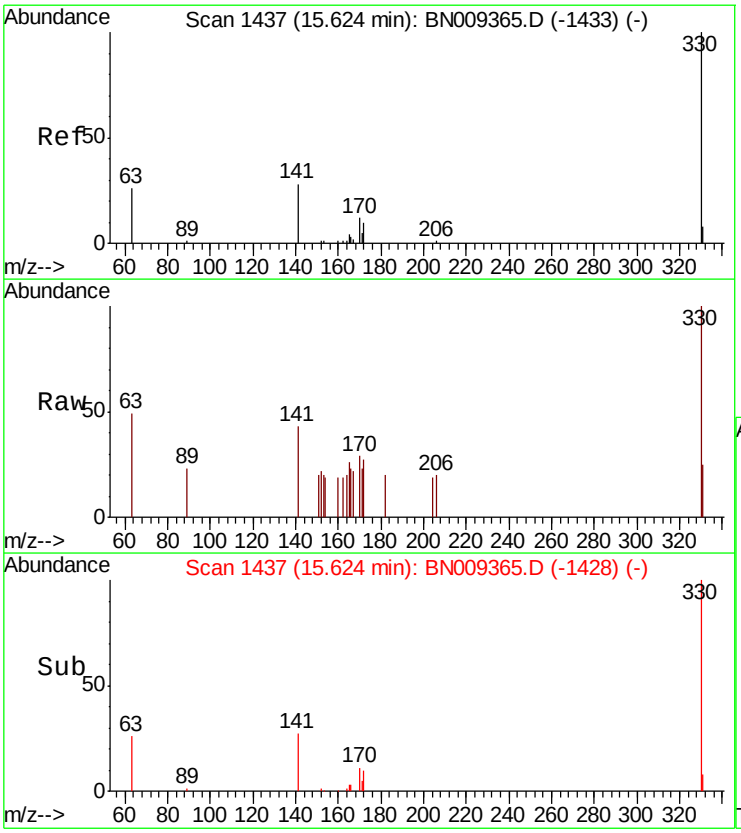
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.11 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 2851

Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.8	119.6
160	48.0	38.4	57.6

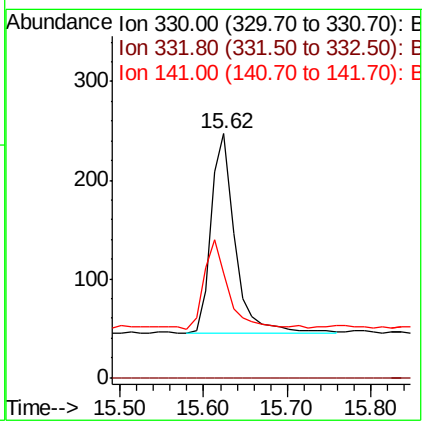


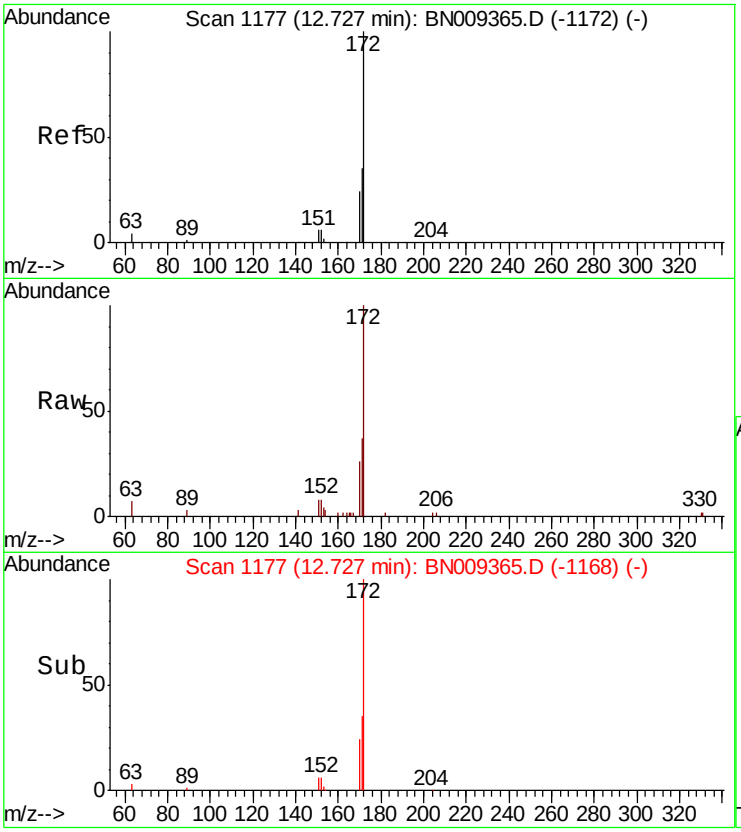


#14
2,4,6-Tribromophenol
Concen: 0.295 ng
RT: 15.62 min Scan# 1437
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Tgt Ion:330 Resp: 403

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	41.4	33.1	49.7



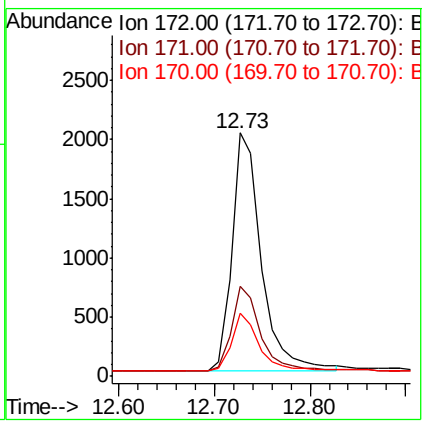


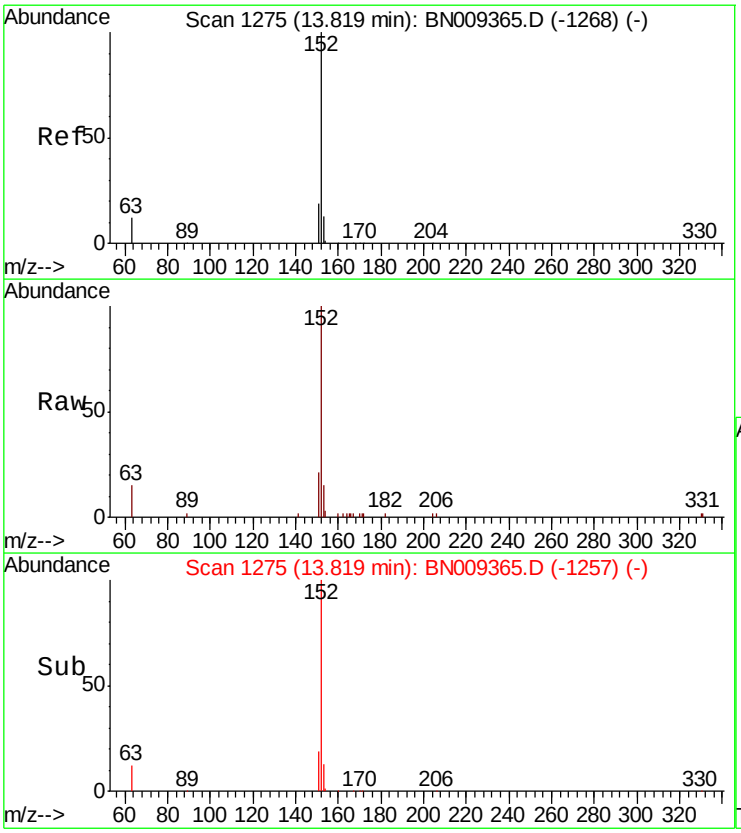
#15
2-Fluorobiphenyl
Concen: 0.396 ng
RT: 12.73 min Scan# 1177
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 4290

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.5	44.3
170	25.9	20.7	31.1

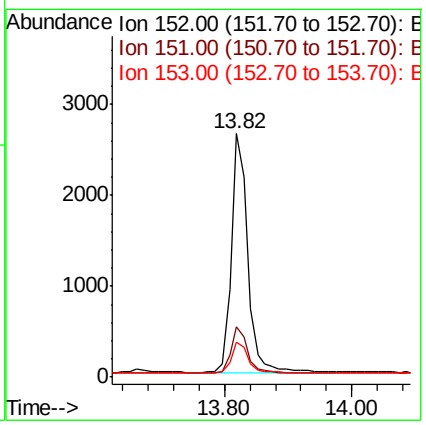


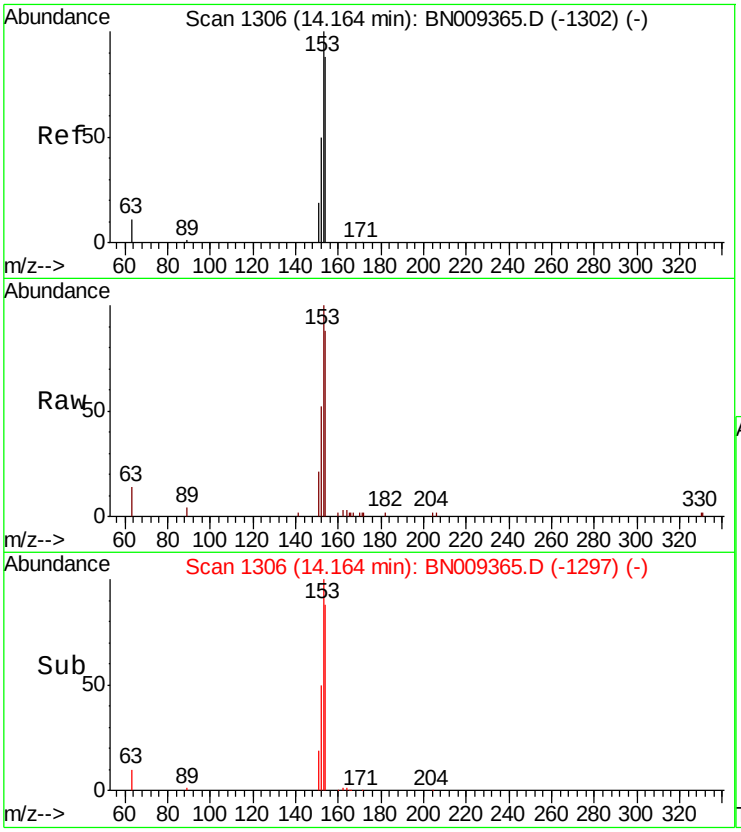


#16
Acenaphthylene
Concen: 0.361 ng
RT: 13.82 min Scan# 1275
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Tgt Ion:152 Resp: 4707

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2
153	13.0	10.4	15.6



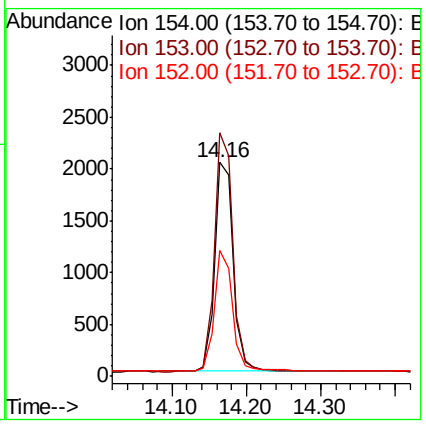


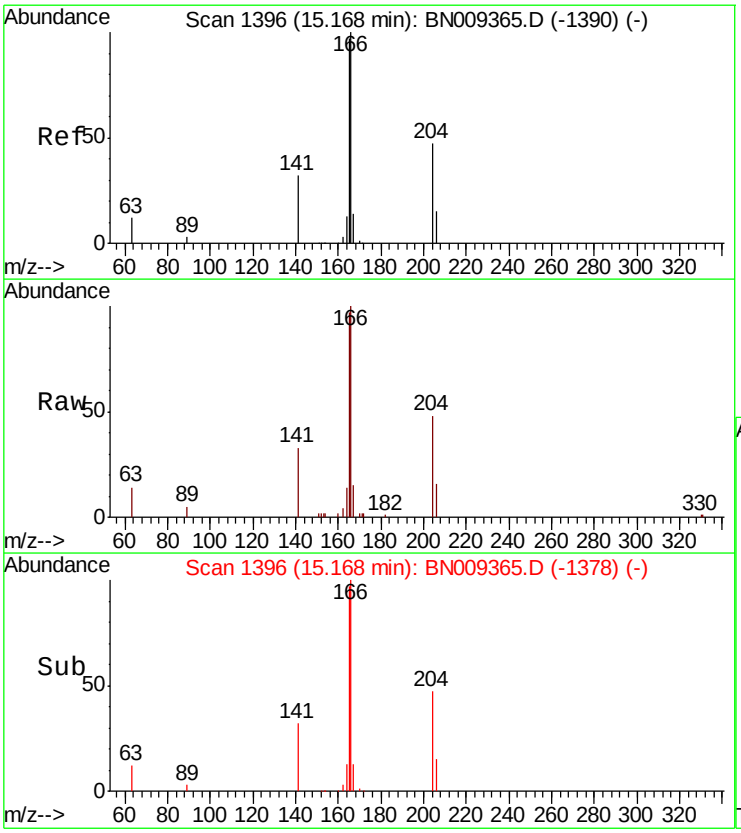
#17
Acenaphthene
Concen: 0.401 ng
RT: 14.16 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 3472

Ion	Ratio	Lower	Upper
154	100		
153	113.1	90.5	135.7
152	56.6	45.3	67.9

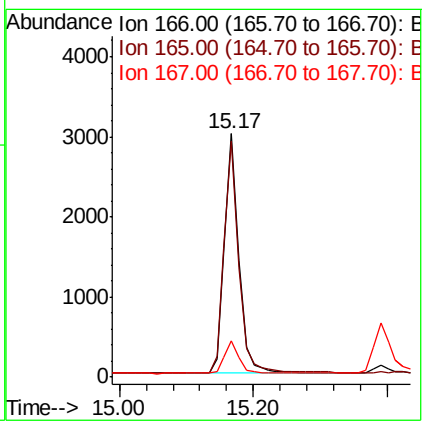


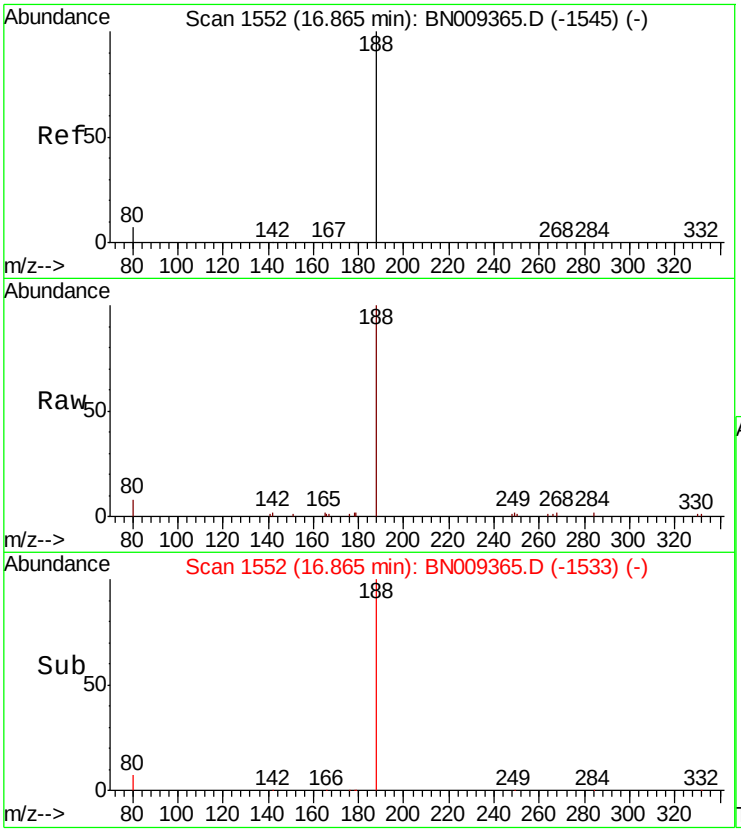


#18
Fluorene
Concen: 0.389 ng
RT: 15.17 min Scan# 1396
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Tgt Ion:166 Resp: 4534

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.2	117.2
167	13.8	11.0	16.6



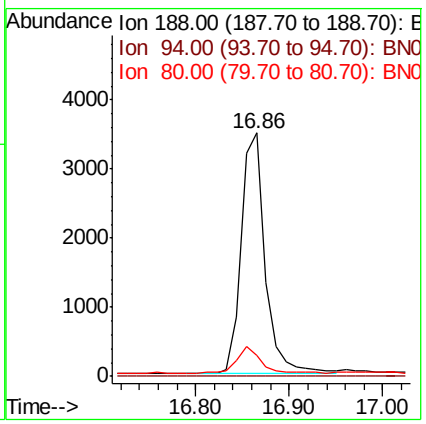


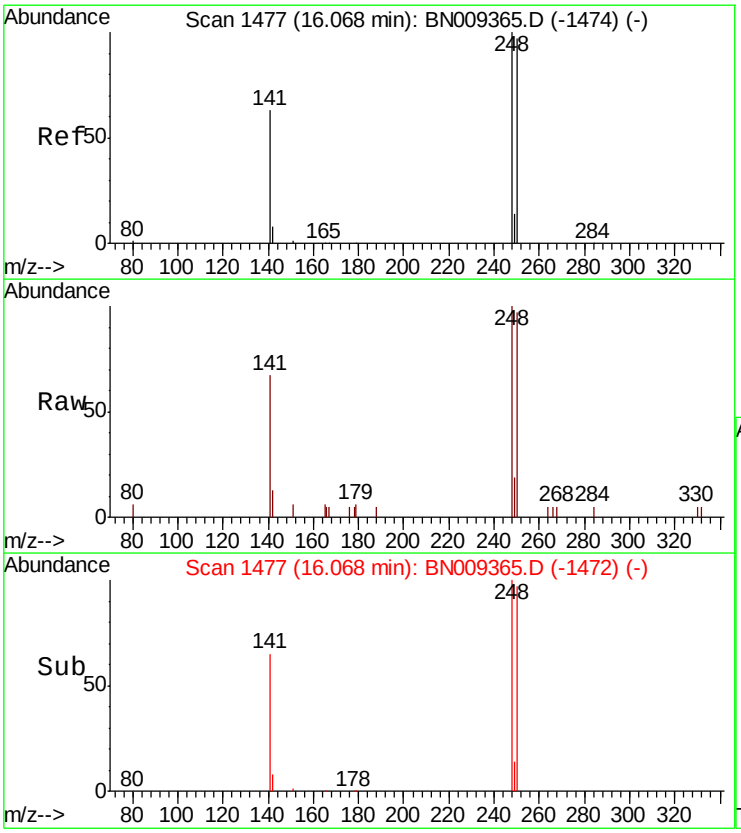
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.86 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 6185

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.3	6.6	10.0

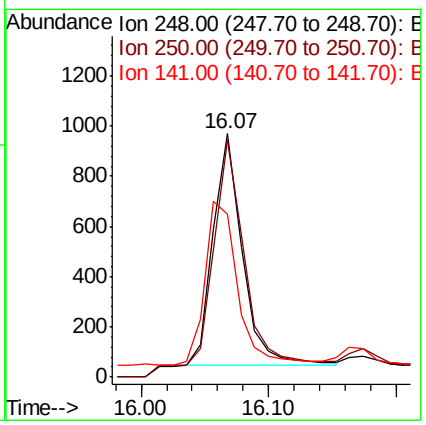


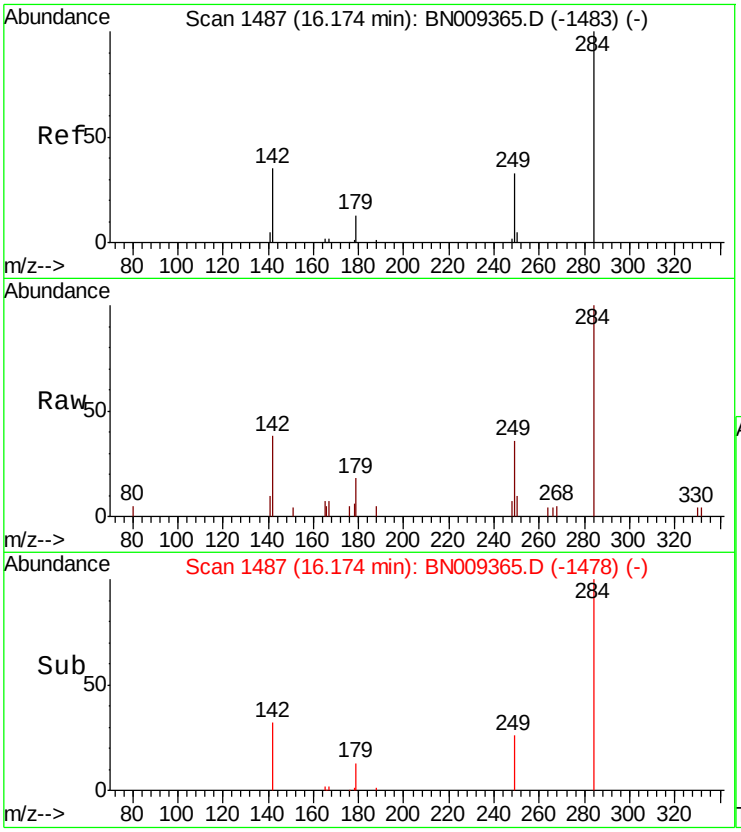


#20
4-Bromophenyl-phenylether
Concen: 0.395 ng
RT: 16.07 min Scan# 1477
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Tgt Ion:248 Resp: 1460

Ion	Ratio	Lower	Upper
248	100		
250	97.3	77.8	116.8
141	66.7	53.4	80.0



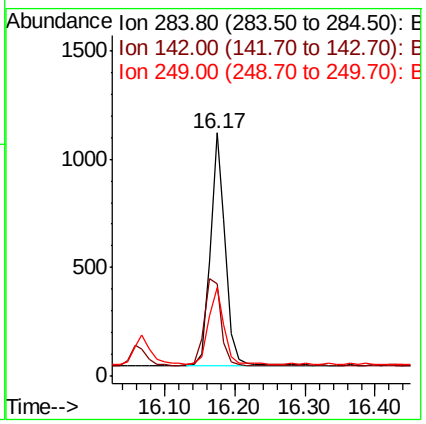


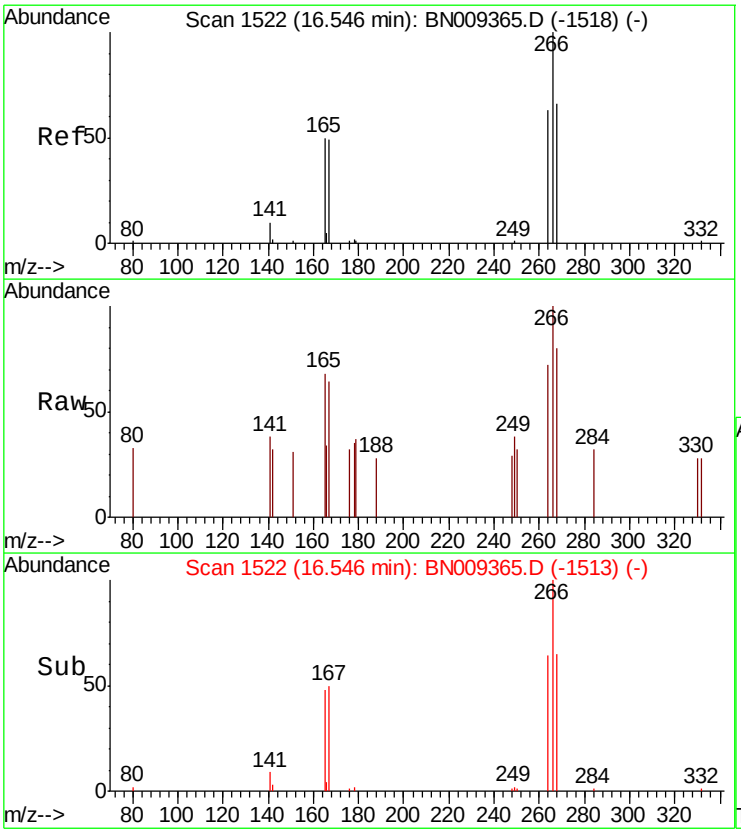
#21
Hexachlorobenzene
Concen: 0.381 ng
RT: 16.17 min Scan# 1487
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:284 Resp: 1604

Ion	Ratio	Lower	Upper
284	100		
142	42.3	33.8	50.8
249	33.7	27.0	40.4

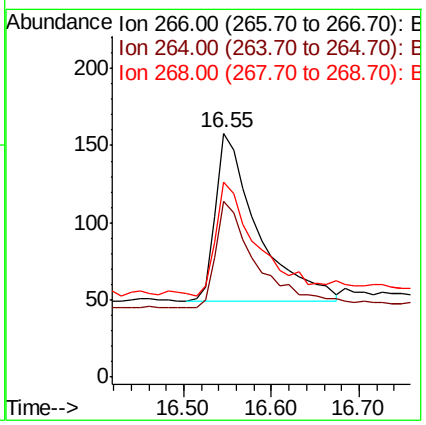


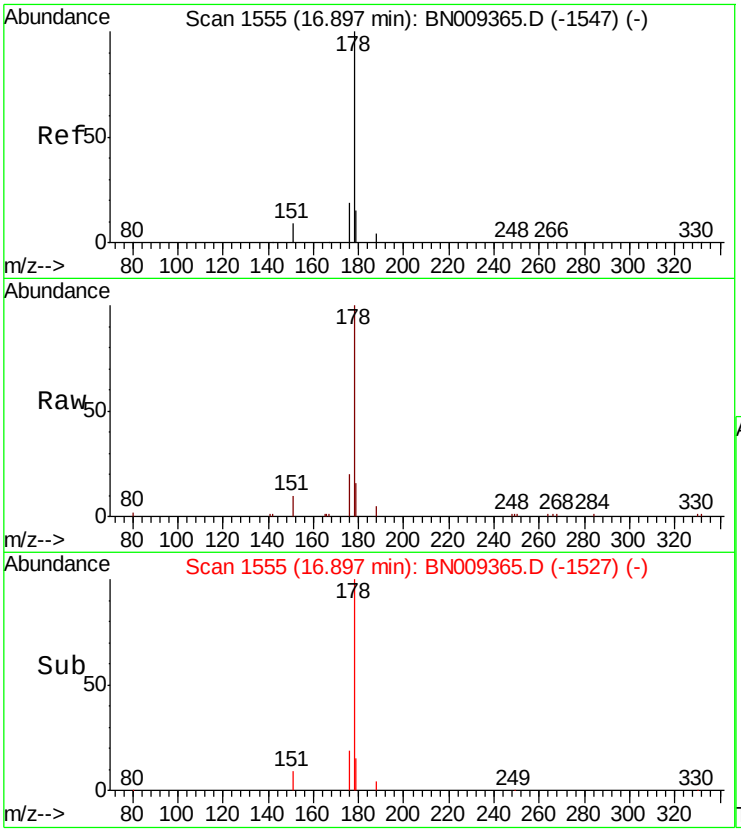


#22
Pentachlorophenol
Concen: 0.238 ng
RT: 16.55 min Scan# 1522
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Tgt Ion:266 Resp: 362

Ion	Ratio	Lower	Upper
266	100		
264	72.2	57.8	86.6
268	79.7	63.8	95.6



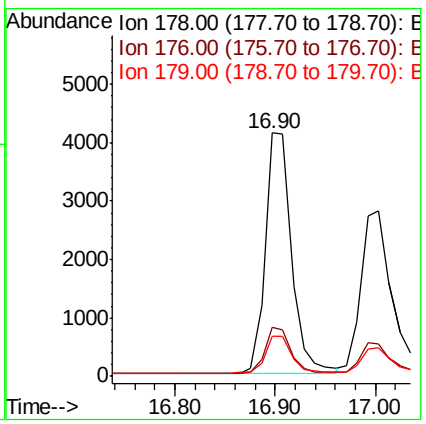


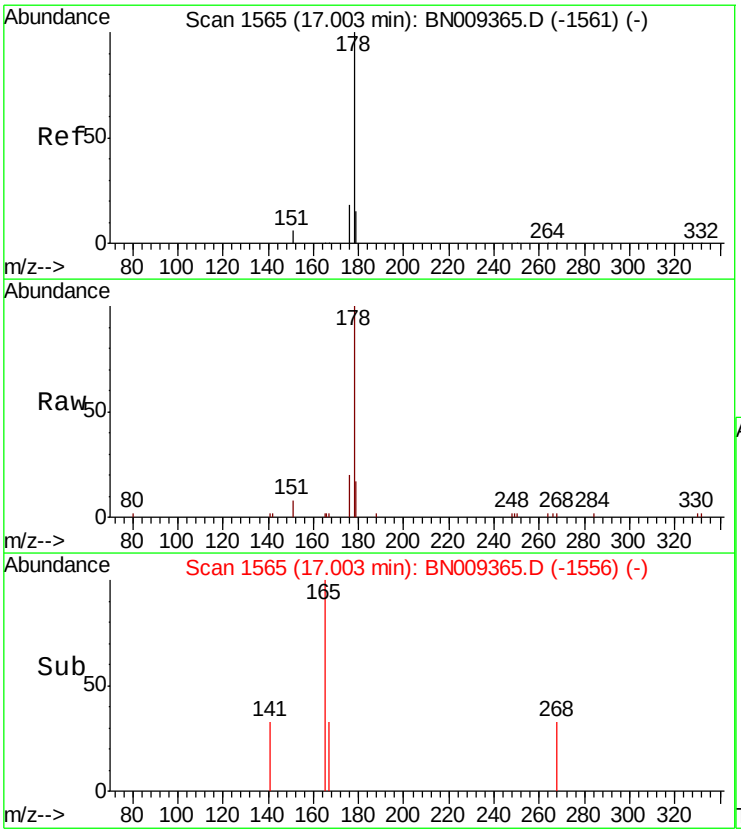
#23
Phenanthrene
Concen: 0.385 ng
RT: 16.90 min Scan# 1555
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 7500

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.4	12.3	18.5

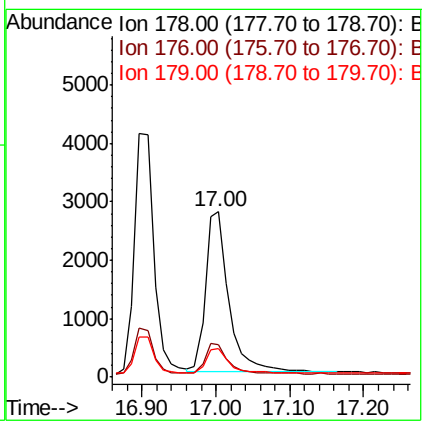


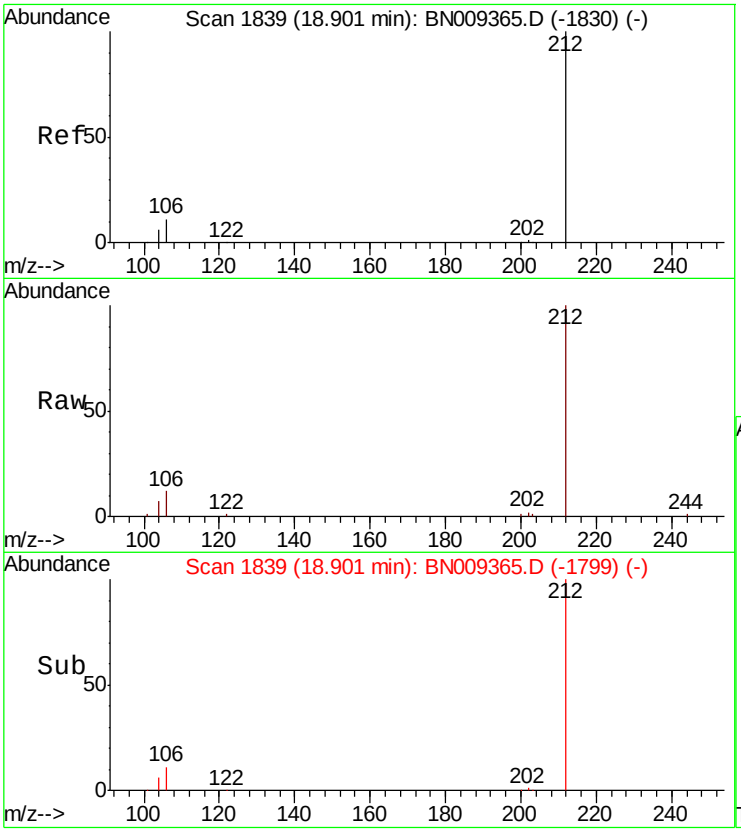


#24
Anthracene
Concen: 0.352 ng
RT: 17.00 min Scan# 1565
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Tgt Ion:178 Resp: 6041

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	15.6	12.5	18.7



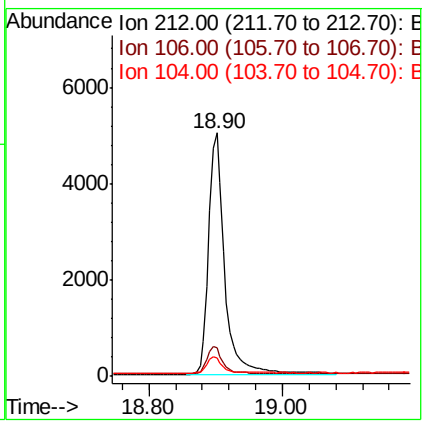


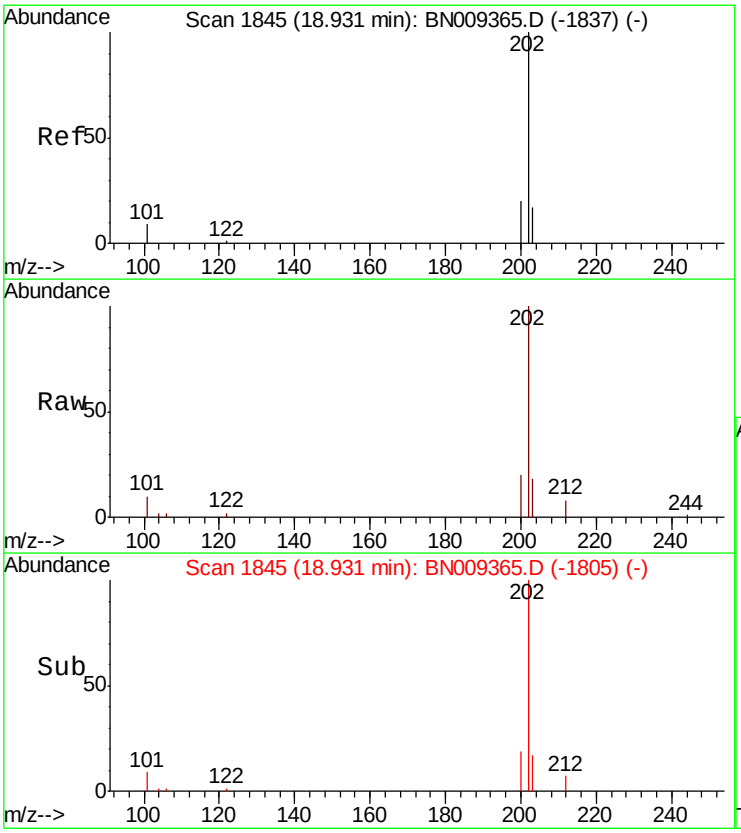
#25
Fluoranthene-d10
Concen: 0.444 ng
RT: 18.90 min Scan# 1839
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 8309

Ion	Ratio	Lower	Upper
212	100		
106	11.5	9.2	13.8
104	6.7	5.4	8.0

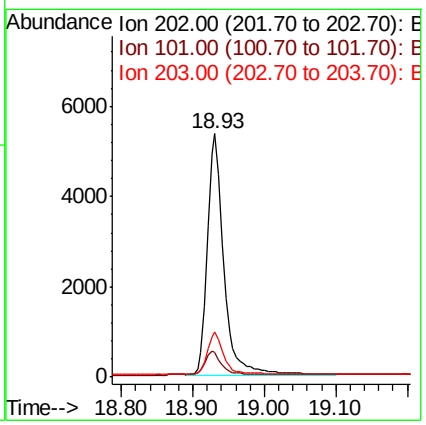


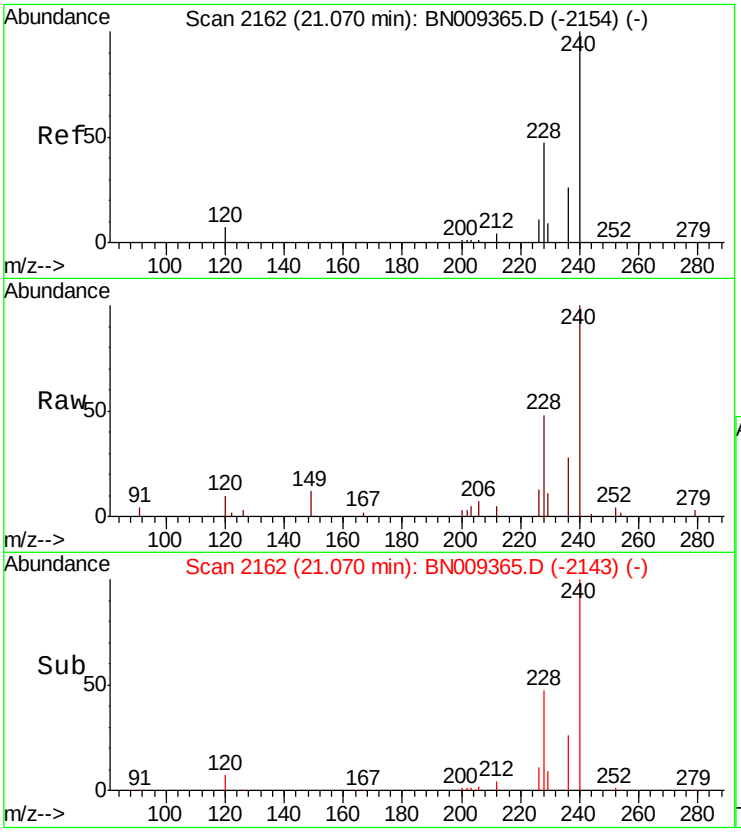


#26
Fluoranthene
Concen: 0.369 ng
RT: 18.93 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Tgt Ion:202 Resp: 8548

Ion	Ratio	Lower	Upper
202	100		
101	10.0	8.0	12.0
203	16.9	13.5	20.3



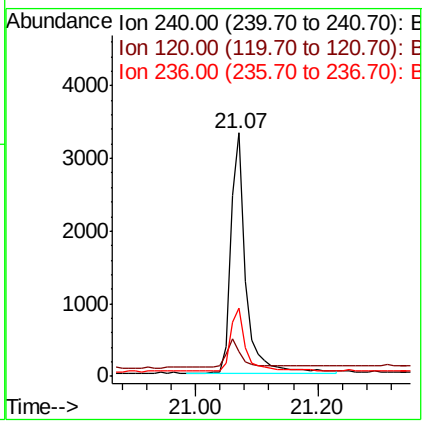


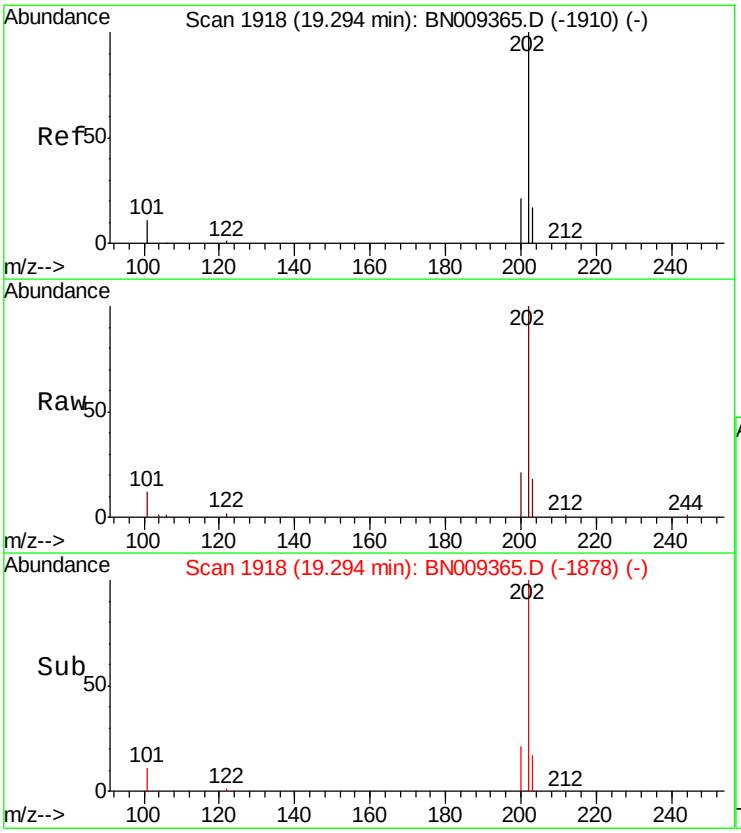
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.07 min Scan# 2162
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 5629

Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.1	12.1
236	27.8	22.2	33.4

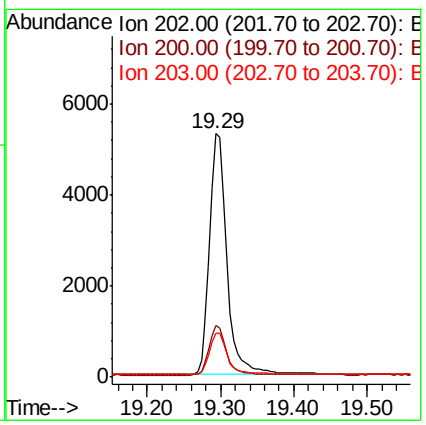


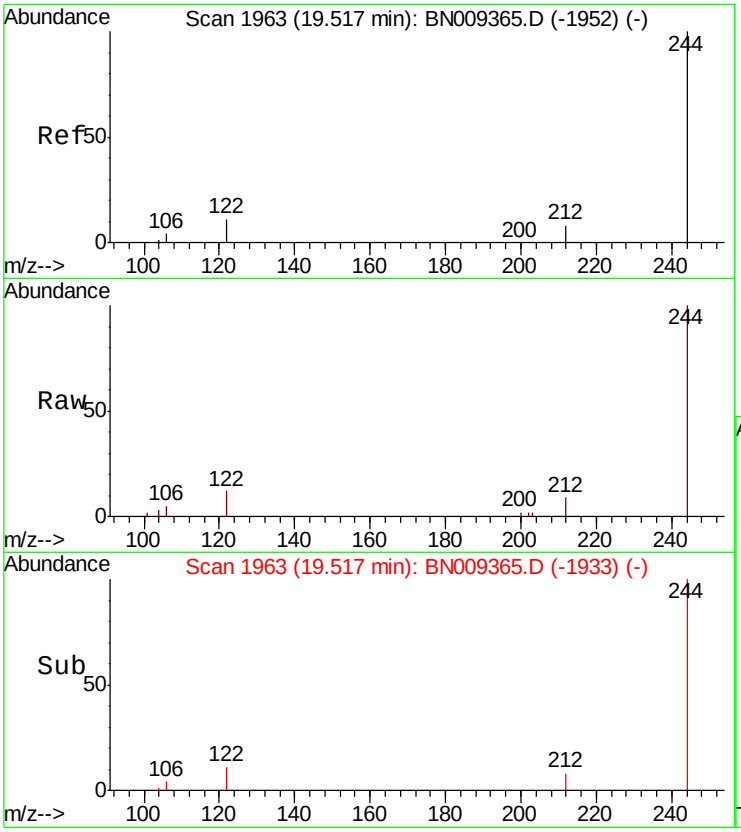


#28
Pyrene
Concen: 0.440 ng
RT: 19.29 min Scan# 1918
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Tgt Ion:202 Resp: 8676

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.2	24.2
203	17.6	14.1	21.1



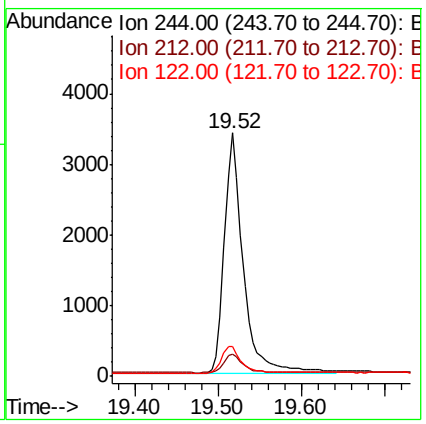


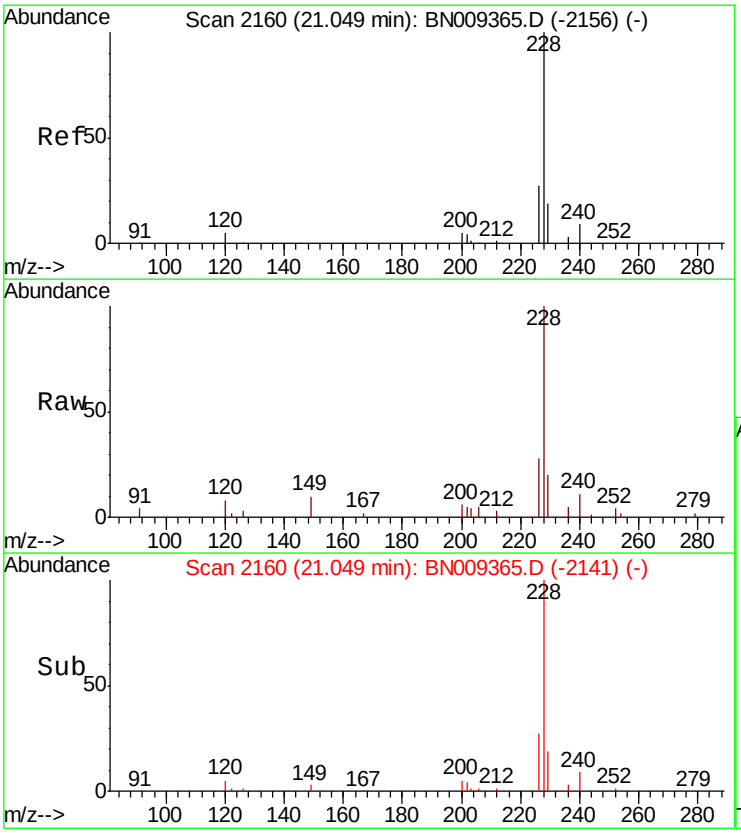
#29
Terphenyl-d14
Concen: 0.418 ng
RT: 19.52 min Scan# 1963
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 5364

Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.5	11.3
122	12.2	9.8	14.6

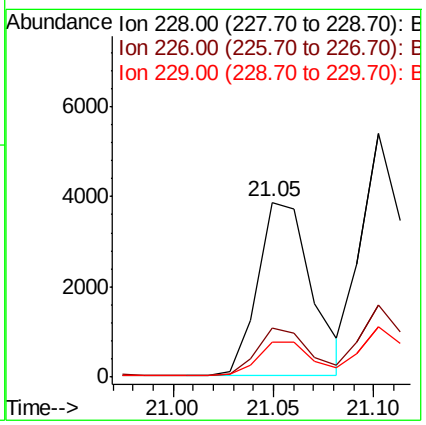


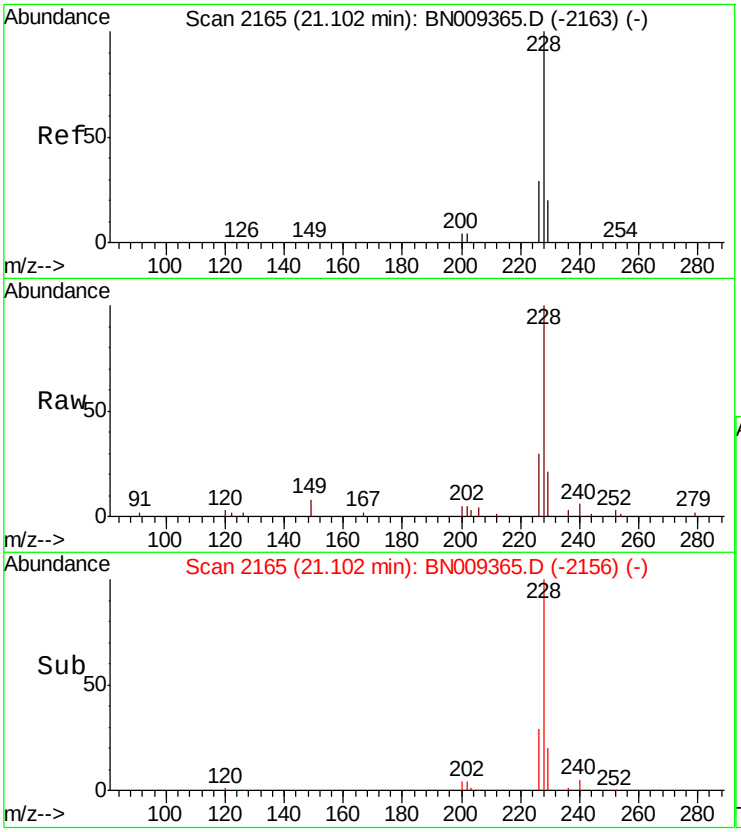


#30
Benzo(a)anthracene
Concen: 0.357 ng
RT: 21.05 min Scan# 2160
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Tgt Ion:228 Resp: 7127

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.5	33.7
229	20.1	16.1	24.1



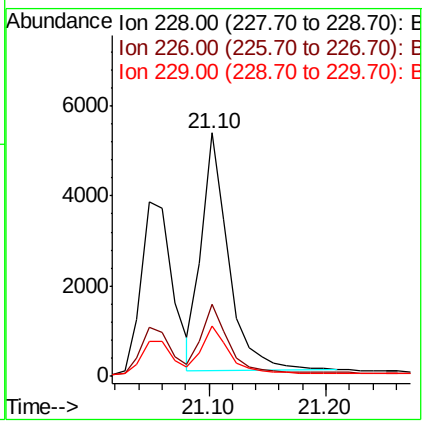


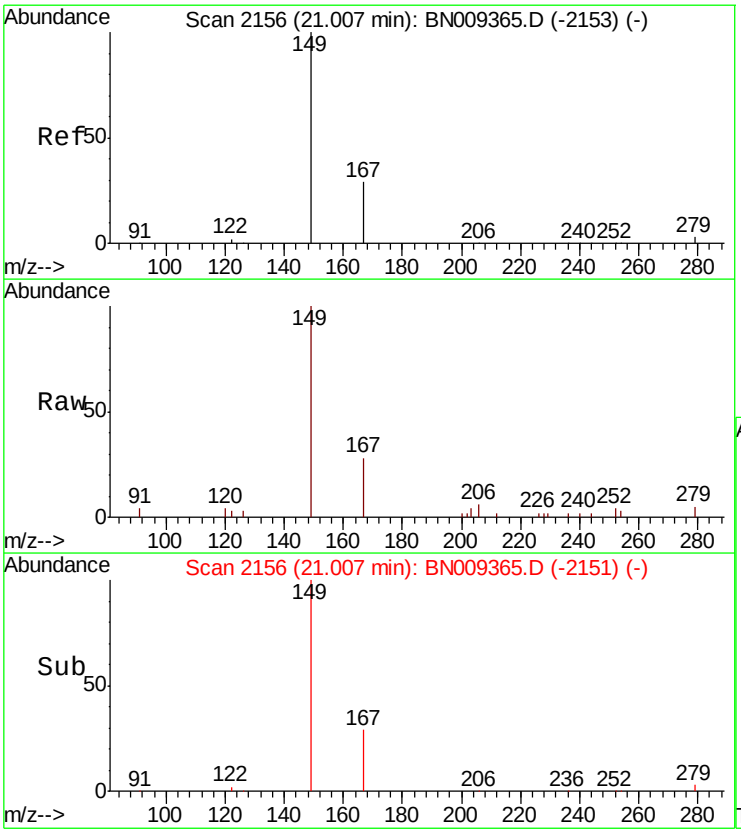
#31
Chrysene
Concen: 0.409 ng
RT: 21.10 min Scan# 2165
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 8462

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.8
229	20.7	16.6	24.8

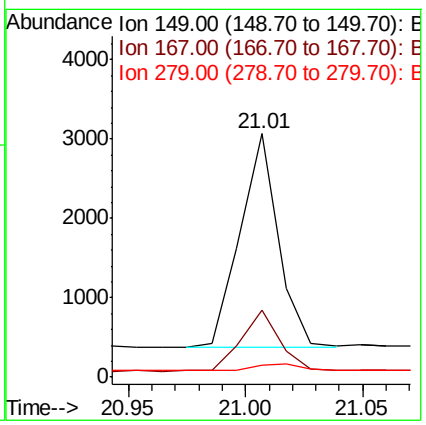


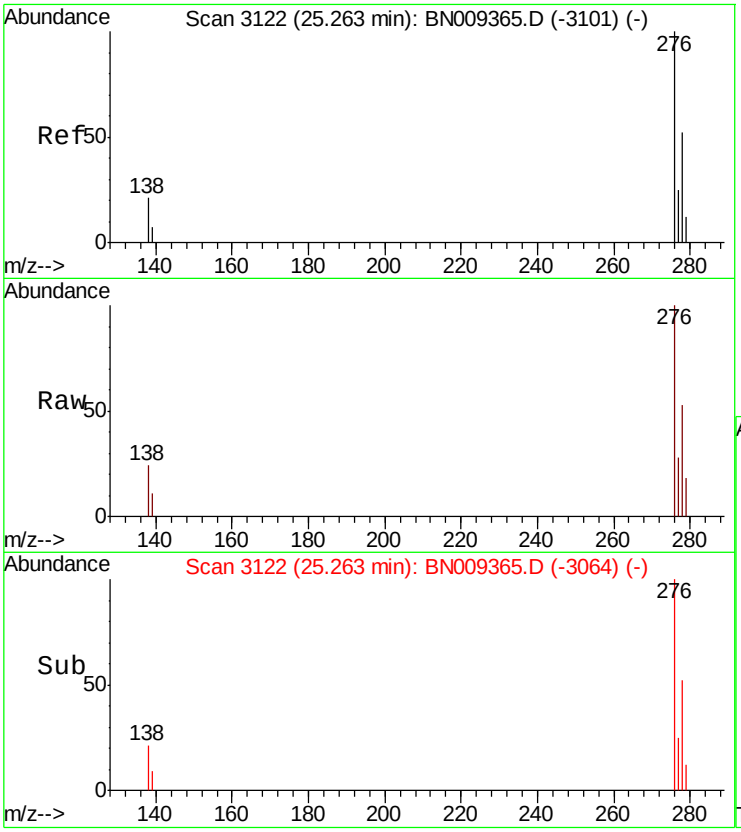


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.324 ng
RT: 21.01 min Scan# 2156
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Tgt Ion:149 Resp: 3028

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.9	34.3
279	4.2	3.4	5.0



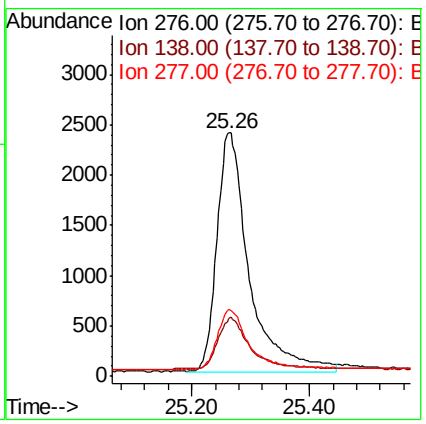


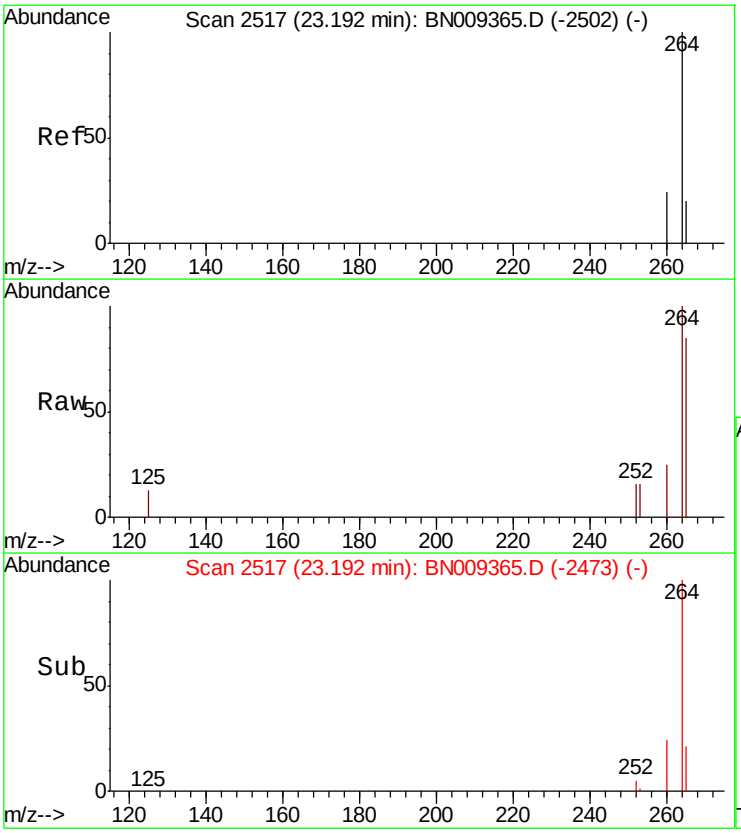
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.412 ng
RT: 25.26 min Scan# 3122
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 9023

Ion	Ratio	Lower	Upper
276	100		
138	19.9	15.9	23.9
277	24.7	19.8	29.6

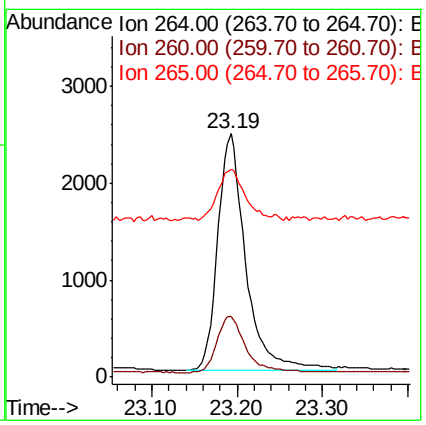


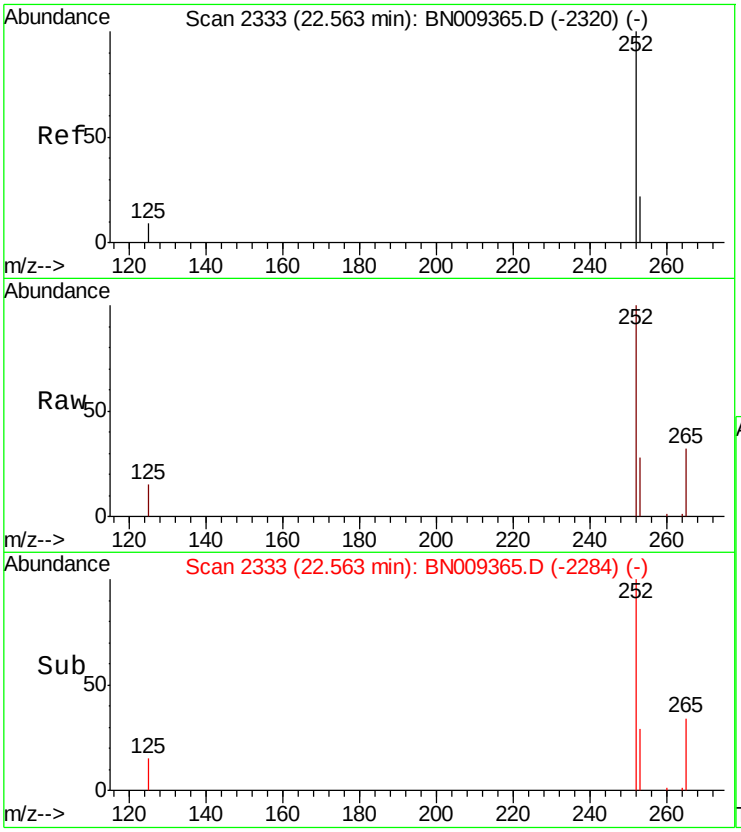


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.19 min Scan# 2517
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Tgt Ion:264 Resp: 5568

Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.1	30.1
265	85.3	68.2	102.4



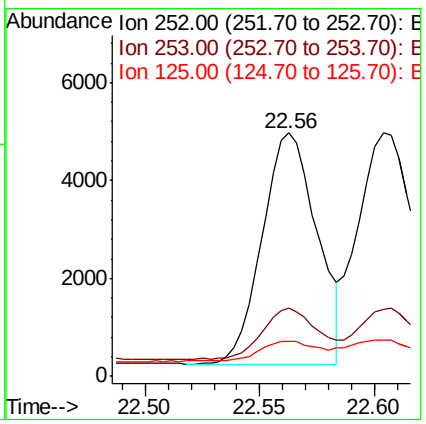


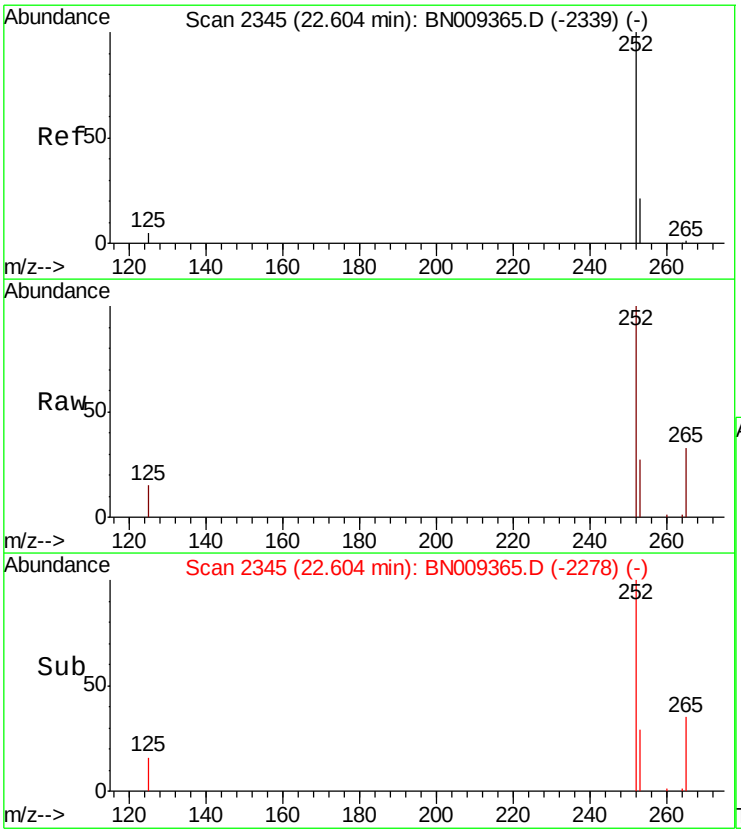
#35
Benzo(b)fluoranthene
Concen: 0.393 ng
RT: 22.56 min Scan# 2333
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 7841

Ion	Ratio	Lower	Upper
252	100		
253	28.0	22.4	33.6
125	14.5	11.6	17.4

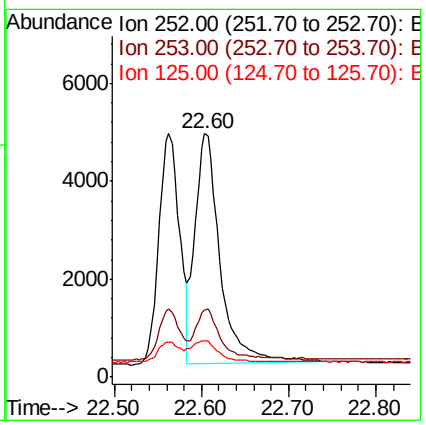


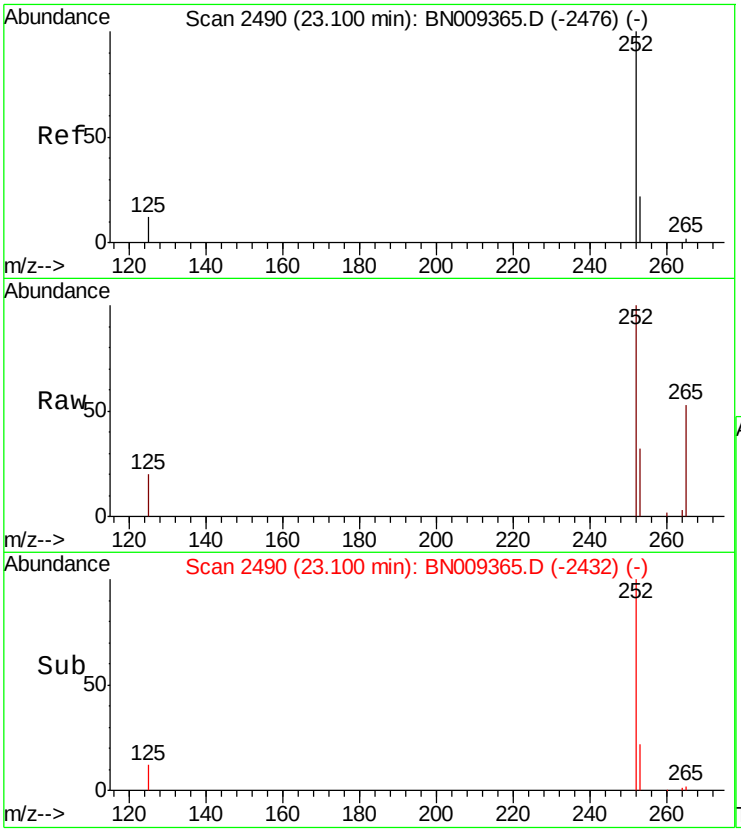


#36
Benzo(k)fluoranthene
Concen: 0.471 ng
RT: 22.60 min Scan# 2345
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Tgt Ion:252 Resp: 9458

Ion	Ratio	Lower	Upper
252	100		
253	27.4	21.9	32.9
125	15.0	12.0	18.0



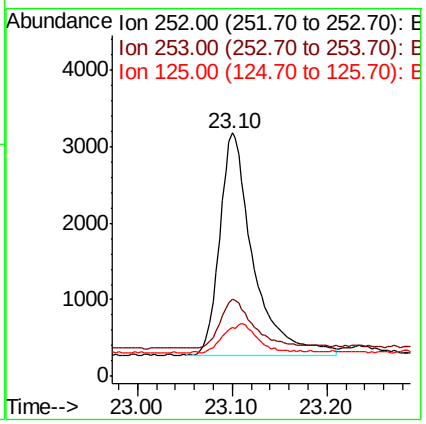


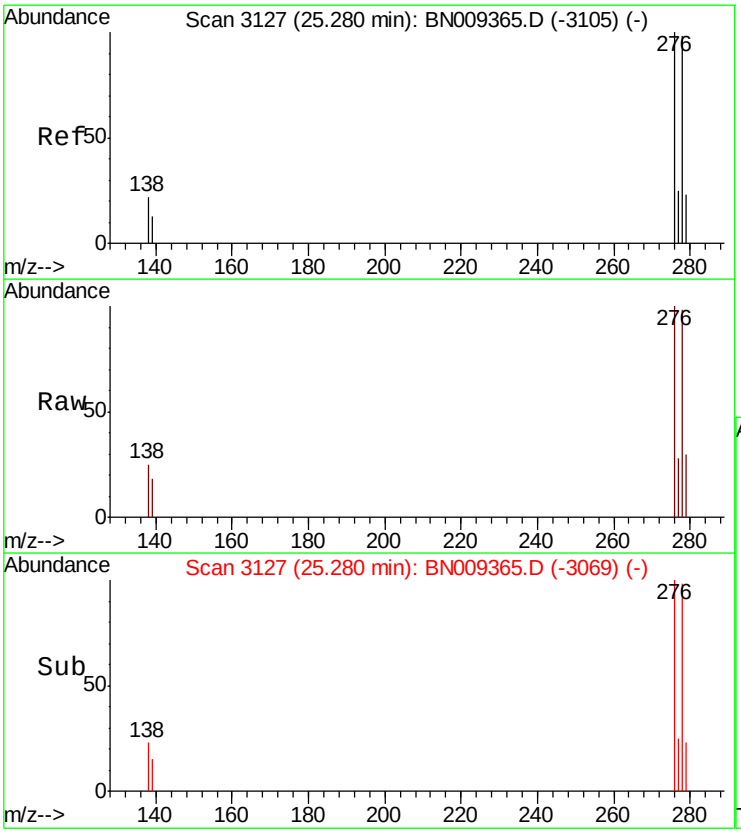
#37
Benzo(a)pyrene
Concen: 0.398 ng
RT: 23.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 7126

Ion	Ratio	Lower	Upper
252	100		
253	31.7	25.4	38.0
125	20.2	16.2	24.2

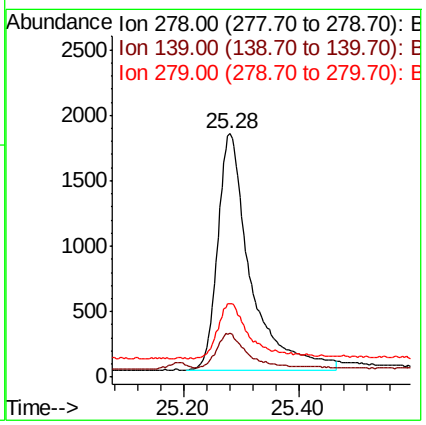


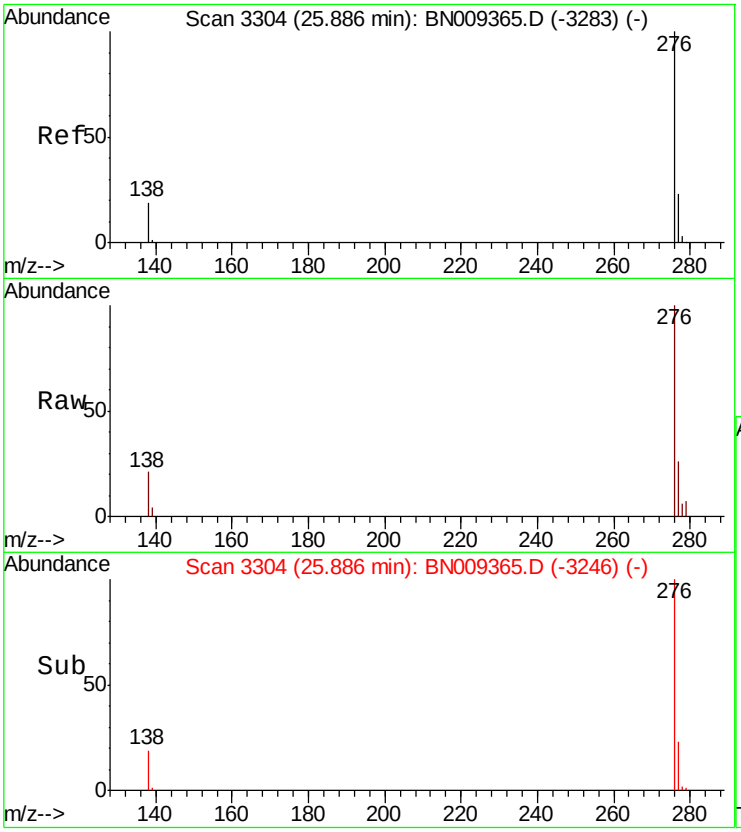


#38
Dibenzo(a,h)anthracene
Concen: 0.425 ng
RT: 25.28 min Scan# 3127
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Tgt Ion:278 Resp: 7144

Ion	Ratio	Lower	Upper
278	100		
139	18.1	14.5	21.7
279	30.3	24.2	36.4





#39
Benzo(g,h,i)perylene
Concen: 0.484 ng
RT: 25.89 min Scan# 3304
Delta R.T. 0.00 min
Lab File: BN009365.D
Acq: 13 Jan 2020 15:42

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 8026

Ion	Ratio	Lower	Upper
276	100		
277	25.7	20.6	30.8
138	21.4	17.1	25.7