Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120919\
Data File : BN008896.D
Acq On : 09 Dec 2019 17:49
Operator : JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : ICVBN120919

Quant Time: Dec 09 18:26:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN120919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 09 17:02:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	2540	0.40	ng		0.00
7) Naphthalene-d8	10.32	136	10750	0.40	ng		0.00
13) Acenaphthene-d10	14.18	164	7714	0.40	ng		0.00
19) Phenanthrene-d10	16.93	188	18199	0.40	ng		0.00
27) Chrysene-d12	21.13	240	18414	0.40	ng		0.00
34) Perylene-d12	23.28	264	19259	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.20	112	2597	0.40	ng		0.00
5) Phenol-d6	6.75	99	3537	0.40	ng		0.00
8) Nitrobenzene-d5	8.69	82	3531	0.39	ng		0.00
11) 2-Methylnaphthalene-d10	11.91	152	7704	0.42	ng		0.00
14) 2,4,6-Tribromophenol	15.68	330	1398	0.38	ng		0.00
15) 2-Fluorobiphenyl	12.81	172	11948	0.41	ng		0.00
25) Fluoranthene-d10	18.97	212	21753	0.39	ng		0.00
29) Terphenyl-d14	19.58	244	17221	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.19	88	1032	0.433	ng		97
3) n-Nitrosodimethylamine	3.52	42	1124	0.342	ng	#	98
6) bis(2-Chloroethyl)ether	7.00	93	3508	0.417	ng		99
9) Naphthalene	10.37	128	12373	0.422	ng		99
10) Hexachlorobutadiene	10.67	225	2390	0.426	ng	#	99
12) 2-Methylnaphthalene	11.99	142	9264	0.424	ng		99
16) Acenaphthylene	13.90	152	14742	0.418	ng		100
17) Acenaphthene	14.25	154	9959	0.425	ng		99
18) Fluorene	15.24	166	13462	0.427	ng		100
20) 4-Bromophenyl-phenylether	16.14	248	4400	0.404	ng		99
21) Hexachlorobenzene	16.25	284	5038	0.406	ng		99
22) Pentachlorophenol	16.59	266	1575	0.352	ng		99
23) Phenanthrene	16.97	178	23239	0.406	ng		100
24) Anthracene	17.06	178	20022	0.397	ng		99
26) Fluoranthene	19.00	202	27466	0.403	ng		100
28) Pyrene	19.36	202	27731	0.430	ng		100
30) Benzo(a)anthracene	21.12	228	27545	0.422	ng		100
31) Chrysene	21.16	228	29046	0.429	ng		97
32) Bis(2-ethylhexyl)phthalate	21.08	149	10608	0.347	ng		100
33) Indeno(1,2,3-cd)pyrene	25.39	276	30370	0.424	ng		99
35) Benzo(b)fluoranthene	22.65	252	28749	0.417	ng		100
36) Benzo(k)fluoranthene	22.69	252	30347	0.437	ng		96
37) Benzo(a)pyrene	23.19	252	25908	0.418	ng		99
38) Dibenzo(a,h)anthracene	25.41	278	24629	0.424	ng		100
39) Benzo(g,h,i)perylene	26.03	276	24287	0.424	ng		100

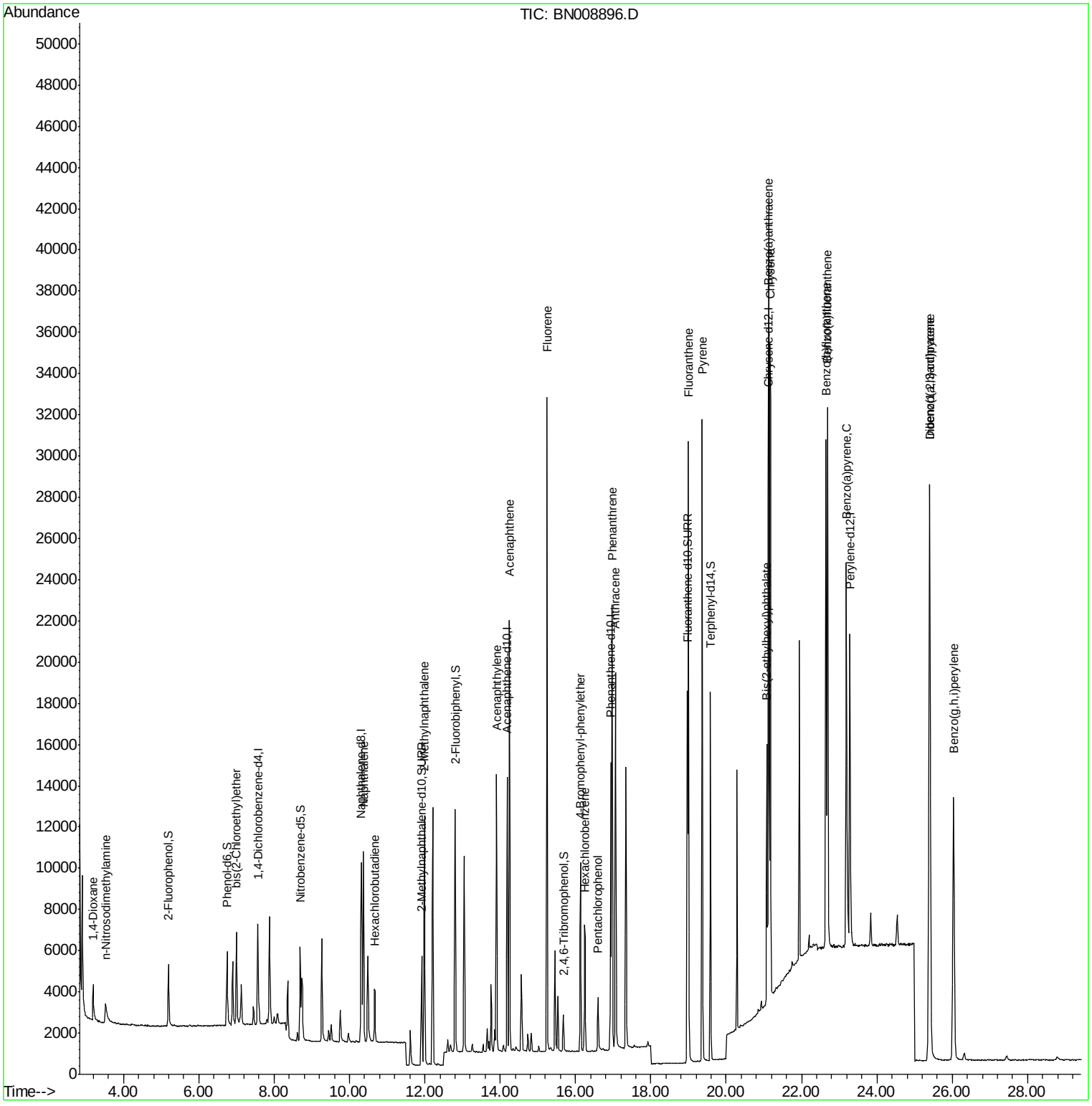
(#) = qualifier out of range (m) = manual integration (+) = signals summed

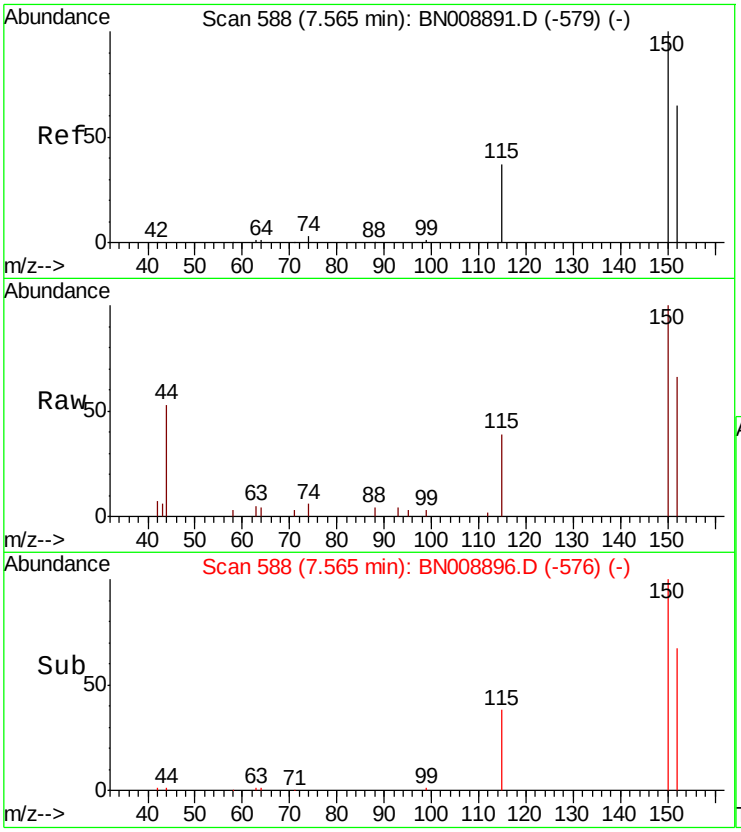
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120919\
Data File : BN008896.D
Acq On : 09 Dec 2019 17:49
Operator : JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
ICVBN120919

Quant Time: Dec 09 18:26:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN120919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 09 17:02:53 2019
Response via : Initial Calibration



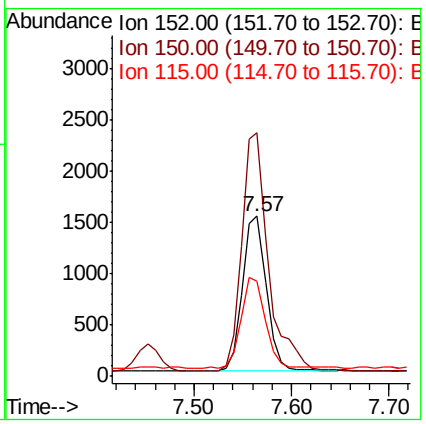


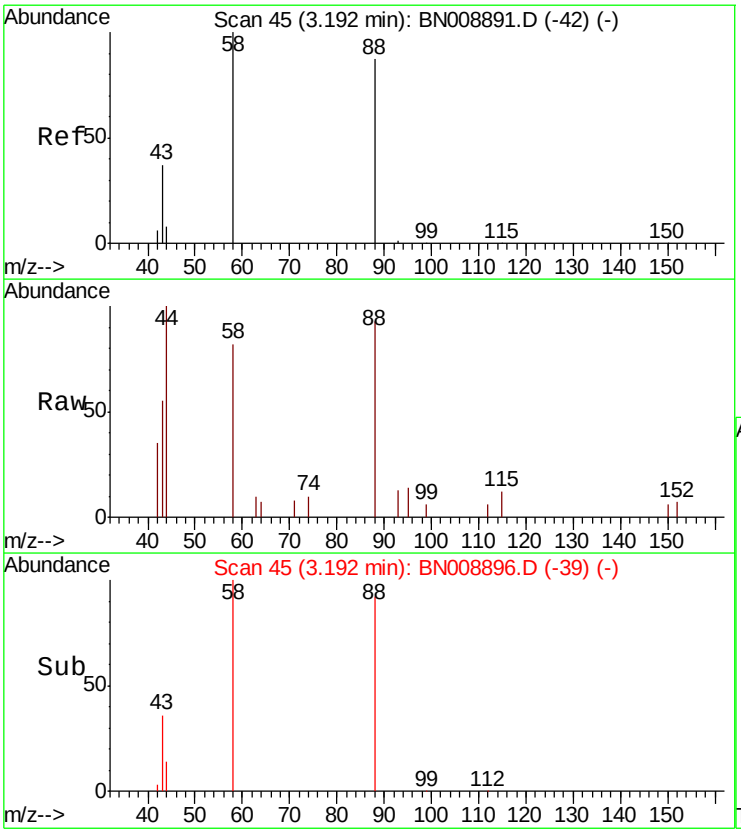
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.57 min Scan# 588
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Instrument :
BNA_N
ClientSampleId :
ICVBN120919

Tgt Ion:152 Resp: 2540

Ion	Ratio	Lower	Upper
152	100		
150	152.1	122.3	183.5
115	59.2	48.4	72.6

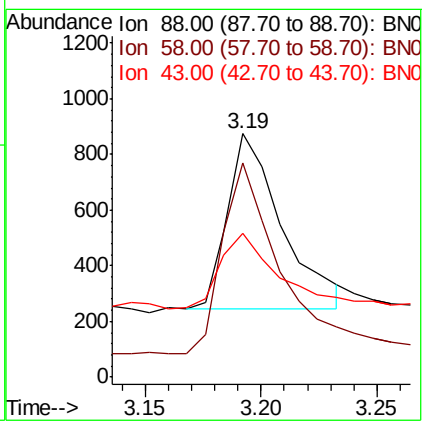


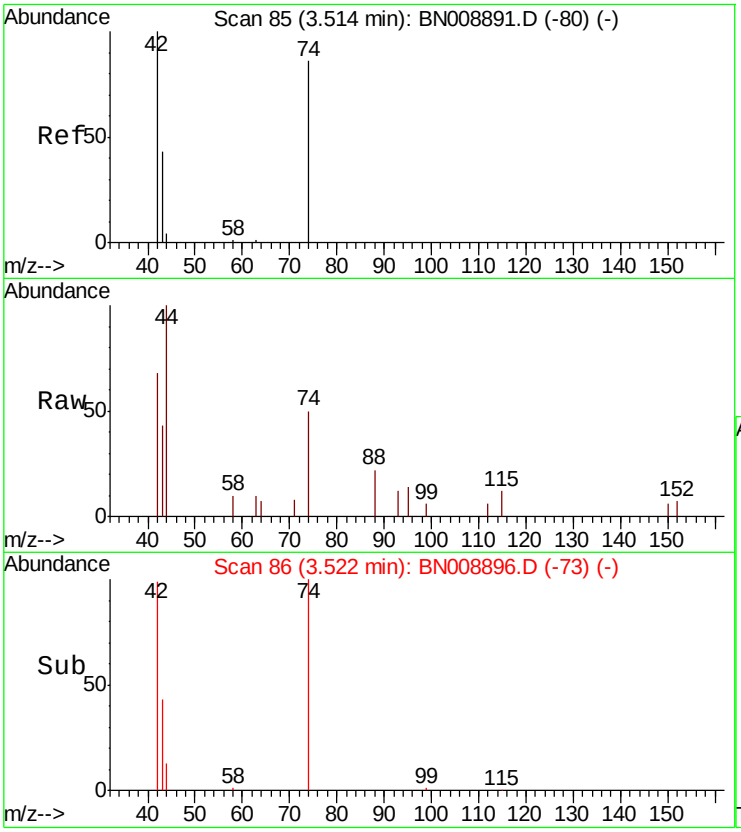


#2
1,4-Dioxane
Concen: 0.433 ng
RT: 3.19 min Scan# 45
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Tgt Ion: 88 Resp: 1032

Ion	Ratio	Lower	Upper
88	100		
58	111.5	88.6	132.8
43	46.0	31.8	47.8



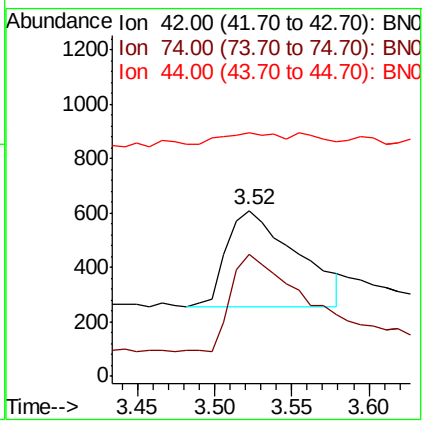


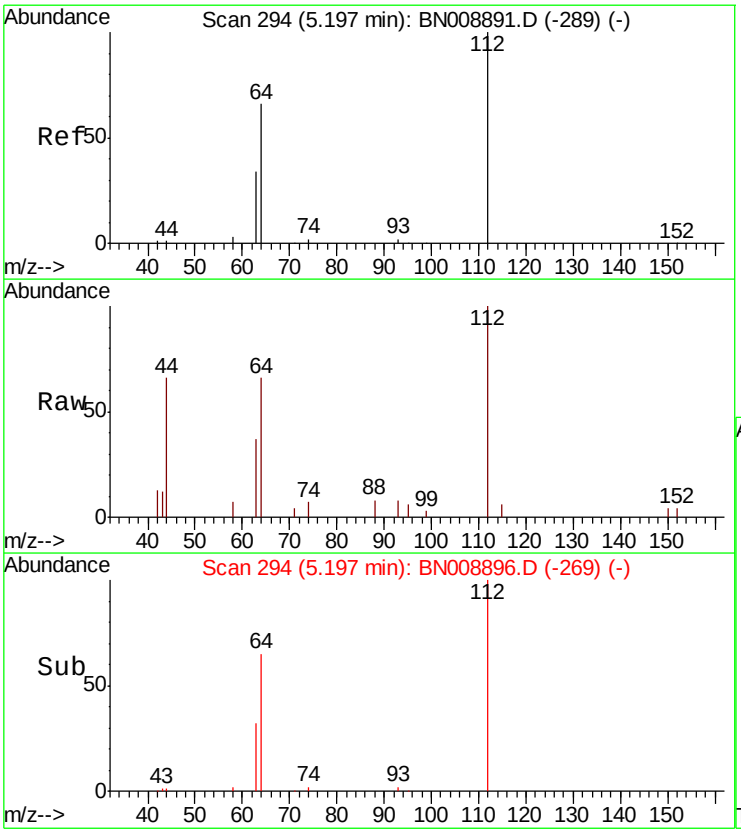
#3
n-Nitrosodimethylamine
Concen: 0.342 ng
RT: 3.52 min Scan# 86
Delta R.T. 0.01 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Instrument :
BNA_N
ClientSampleId :
ICVBN120919

Tgt Ion: 42 Resp: 1124

Ion	Ratio	Lower	Upper
42	100		
74	100.3	78.6	117.8
44	9.5	0.0	0.0#

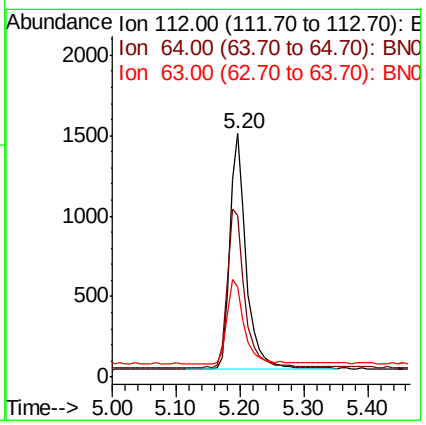


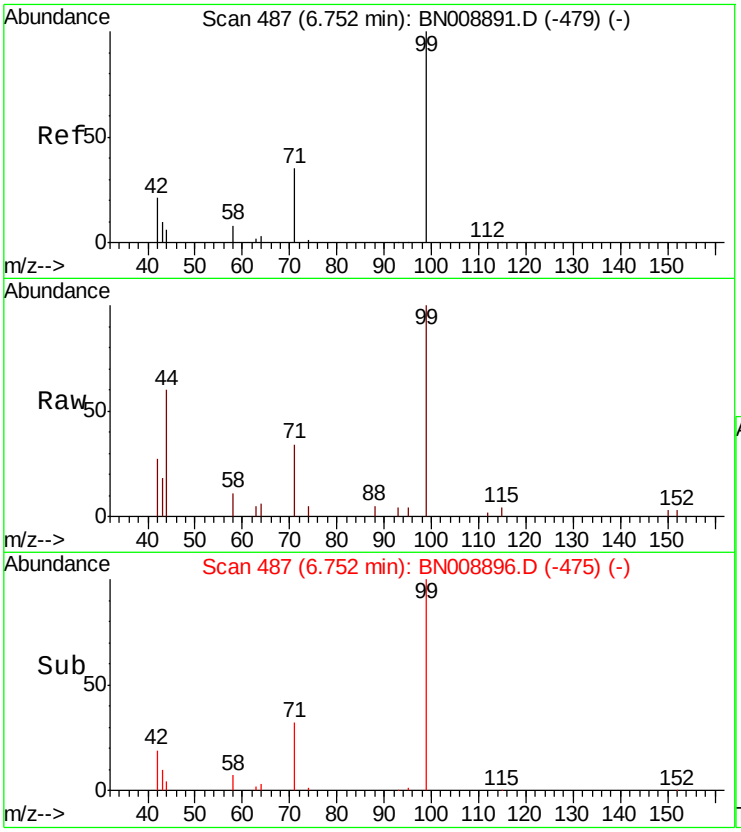


#4
2-Fluorophenol
Concen: 0.402 ng
RT: 5.20 min Scan# 294
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Tgt Ion:112 Resp: 2597

Ion	Ratio	Lower	Upper
112	100		
64	71.9	57.7	86.5
63	38.0	29.6	44.4



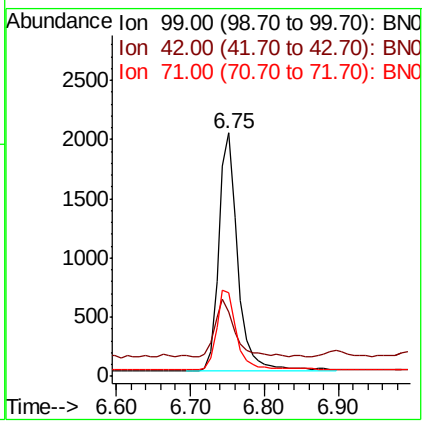


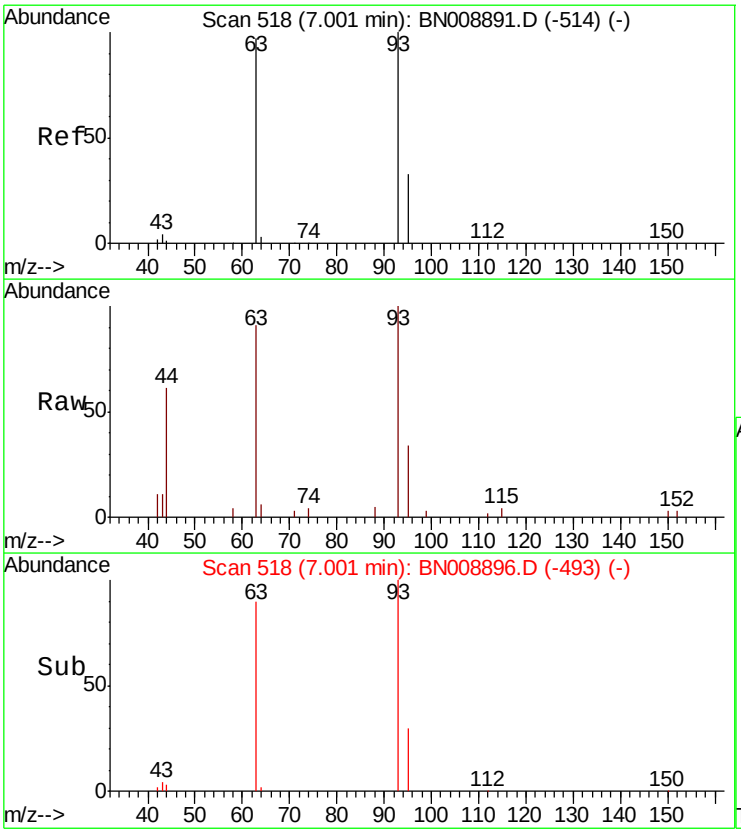
#5
Phenol-d6
Concen: 0.396 ng
RT: 6.75 min Scan# 487
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Instrument :
BNA_N
ClientSampleId :
ICVBN120919

Tgt Ion: 99 Resp: 3537

Ion	Ratio	Lower	Upper
99	100		
42	24.7	20.1	30.1
71	35.3	28.2	42.2

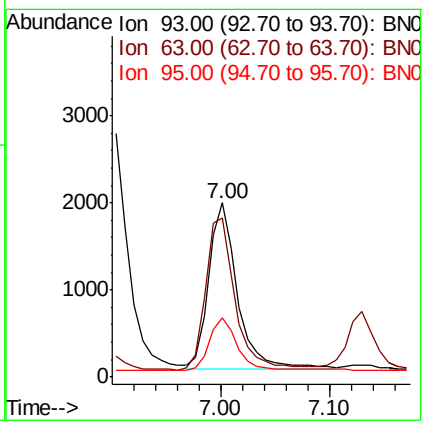


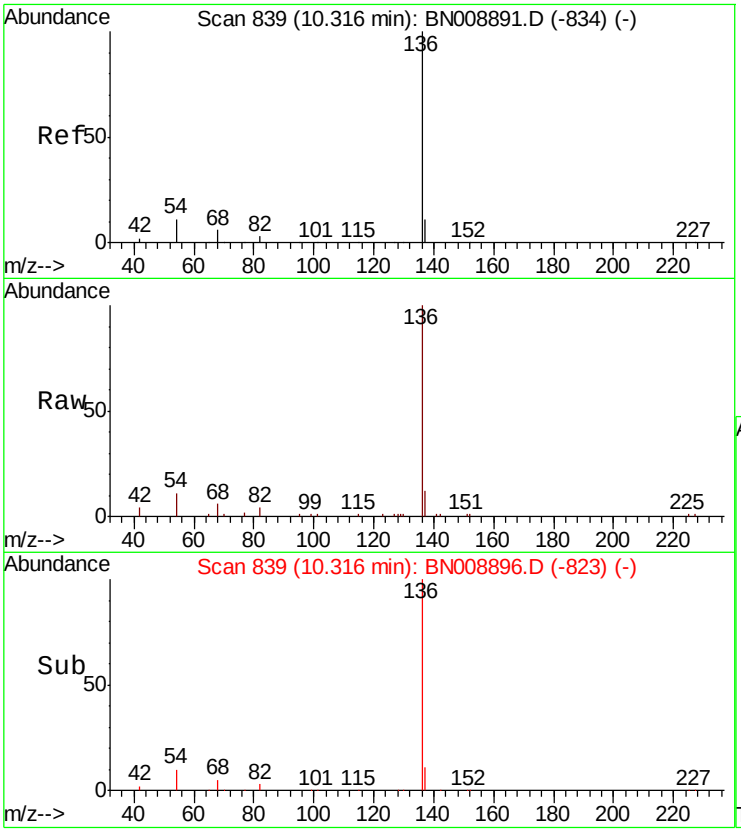


#6
bis(2-Chloroethyl)ether
Concen: 0.417 ng
RT: 7.00 min Scan# 518
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Tgt Ion: 93 Resp: 3508

Ion	Ratio	Lower	Upper
93	100		
63	92.8	73.5	110.3
95	31.7	26.0	39.0



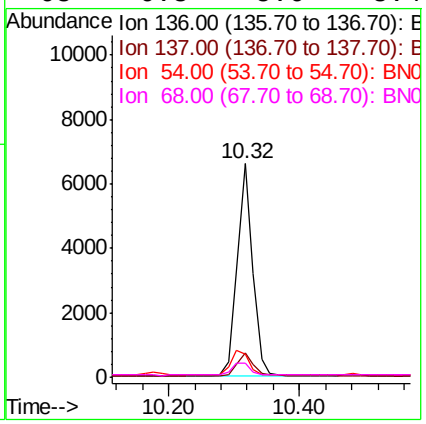


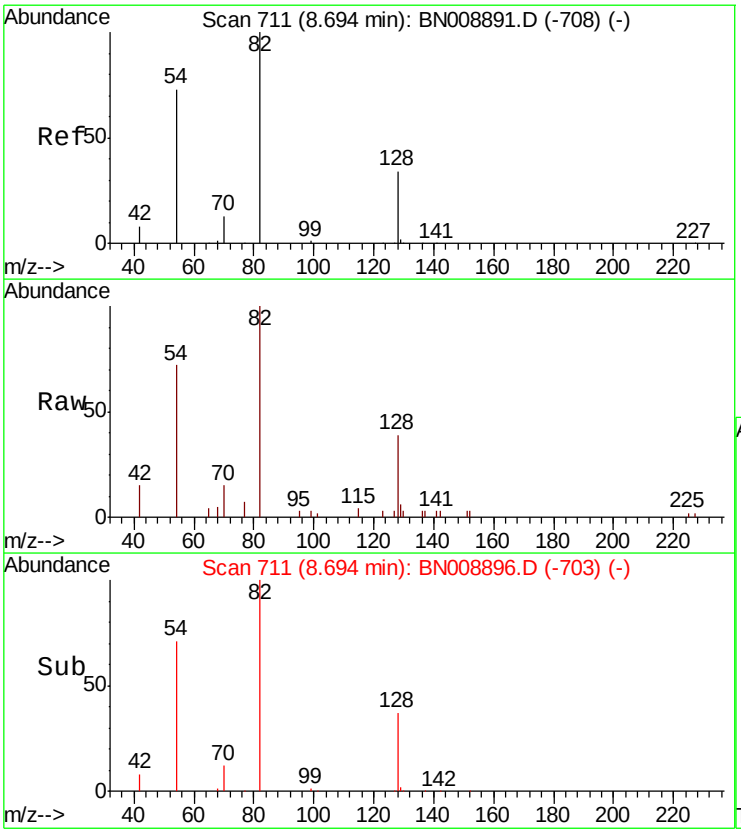
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.32 min Scan# 839
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Instrument :
BNA_N
ClientSampleId :
ICVBN120919

Tgt Ion:136 Resp: 10750

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	10.8	9.6	14.4
68	6.3	5.6	8.4

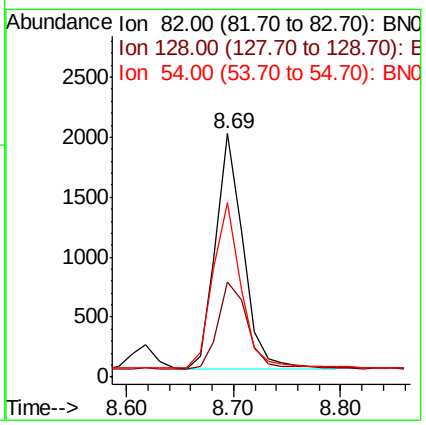


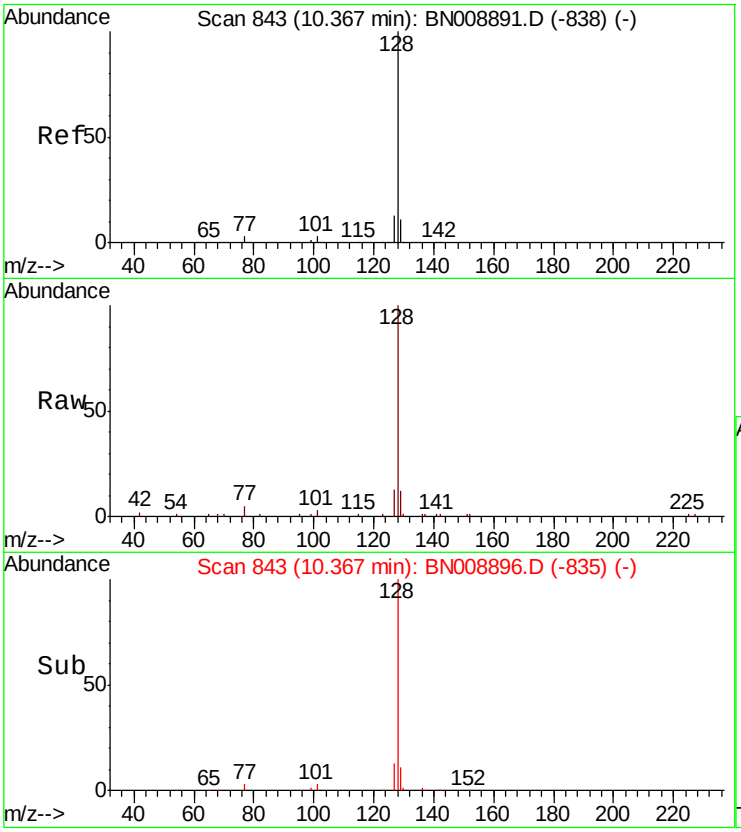


#8
Nitrobenzene-d5
Concen: 0.387 ng
RT: 8.69 min Scan# 711
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Tgt Ion: 82 Resp: 3531

Ion	Ratio	Lower	Upper
82	100		
128	38.9	29.1	43.7
54	71.8	59.7	89.5



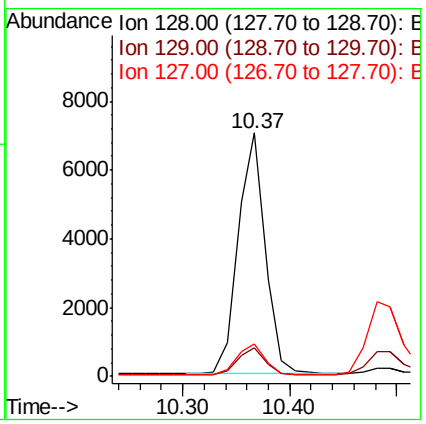


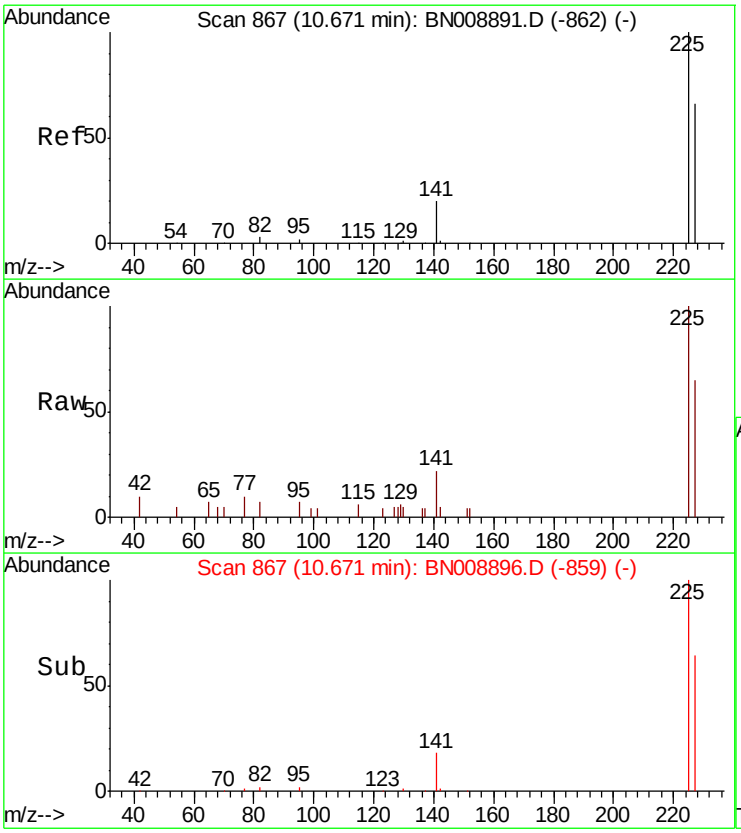
#9
Naphthalene
Concen: 0.422 ng
RT: 10.37 min Scan# 843
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Instrument :
BNA_N
ClientSampleId :
ICVBN120919

Tgt Ion:128 Resp: 12373

Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.4	14.0
127	13.2	10.8	16.2

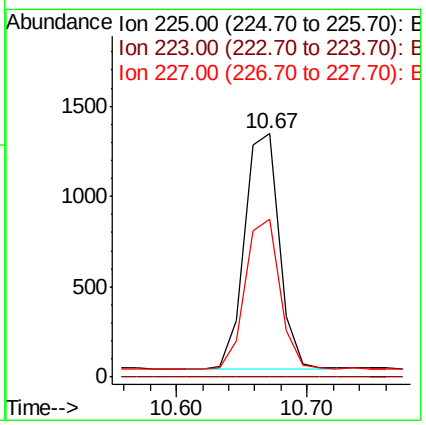


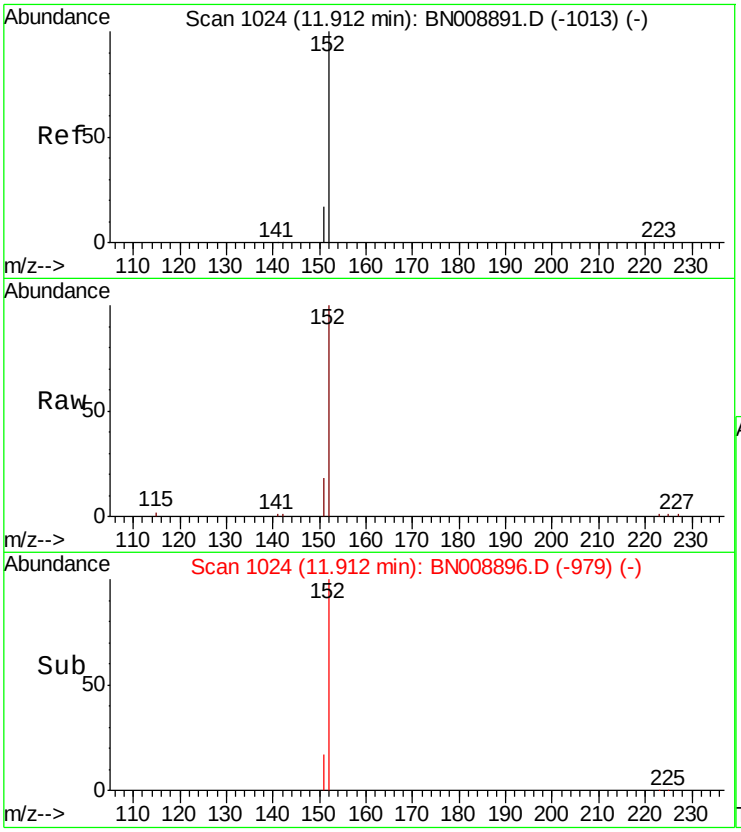


#10
Hexachlorobutadiene
Concen: 0.426 ng
RT: 10.67 min Scan# 867
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Tgt Ion:225 Resp: 2390

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.3	51.4	77.2



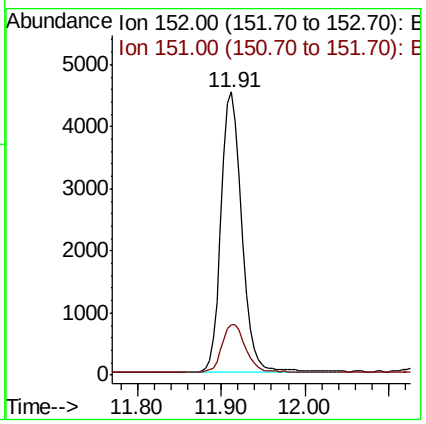


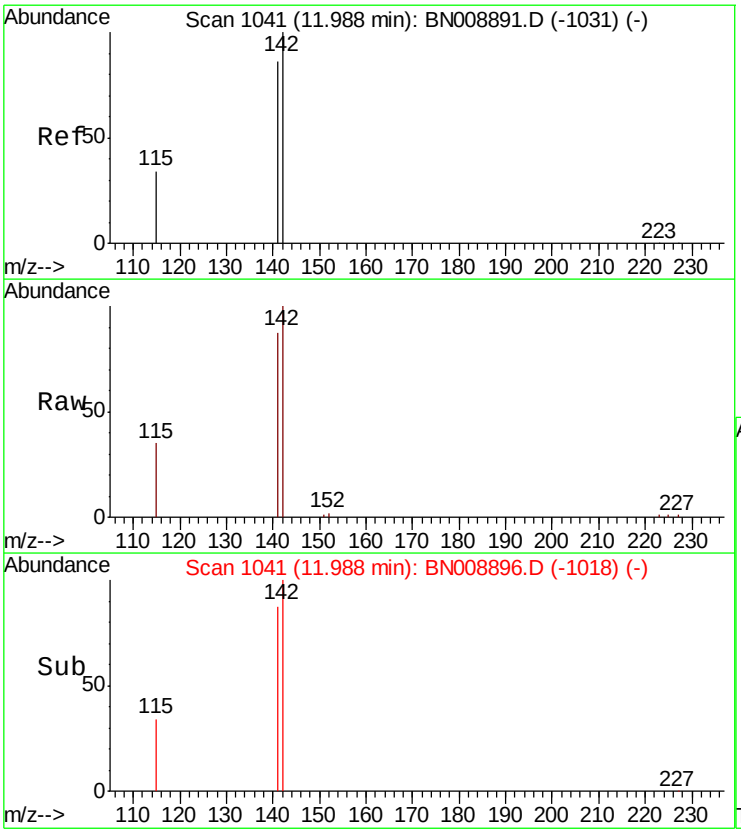
#11
2-Methylnaphthalene-d10
Concen: 0.419 ng
RT: 11.91 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Instrument :
BNA_N
ClientSampleId :
ICVBN120919

Tgt Ion:152 Resp: 7704

Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.2	22.8

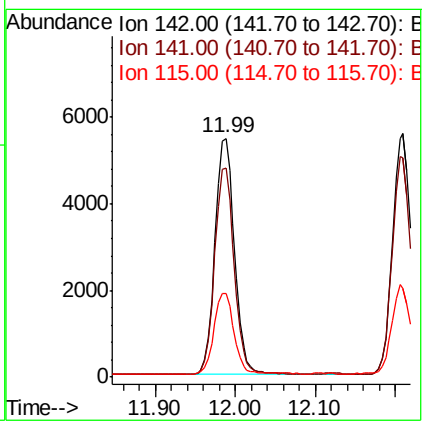


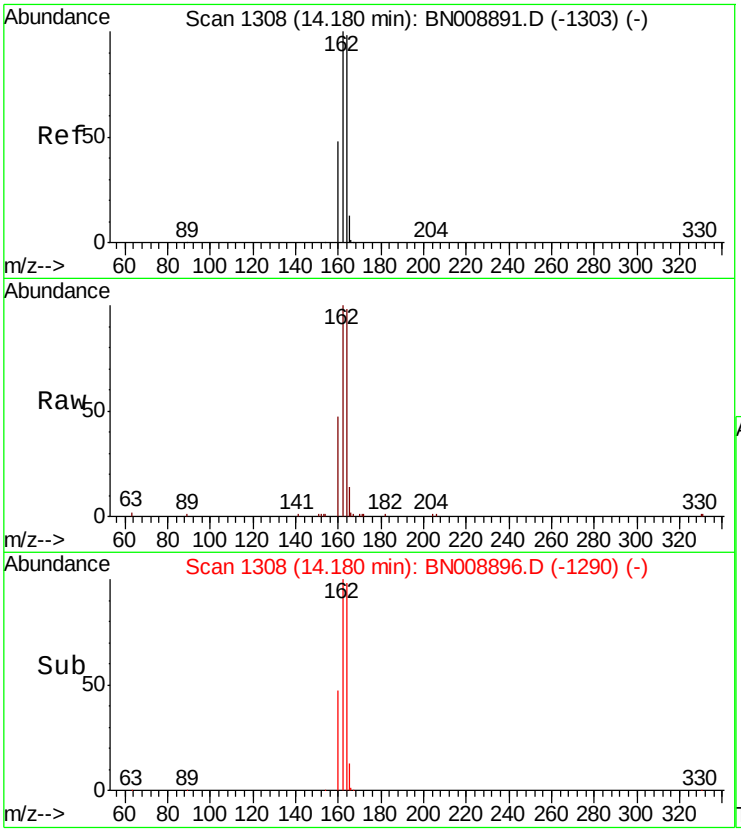


#12
2-Methylnaphthalene
Concen: 0.424 ng
RT: 11.99 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Tgt Ion:142 Resp: 9264

Ion	Ratio	Lower	Upper
142	100		
141	87.4	69.3	103.9
115	35.1	27.9	41.9



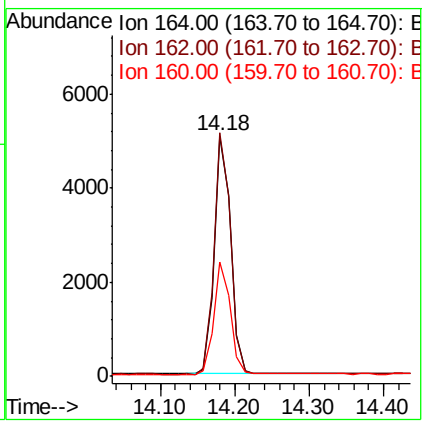


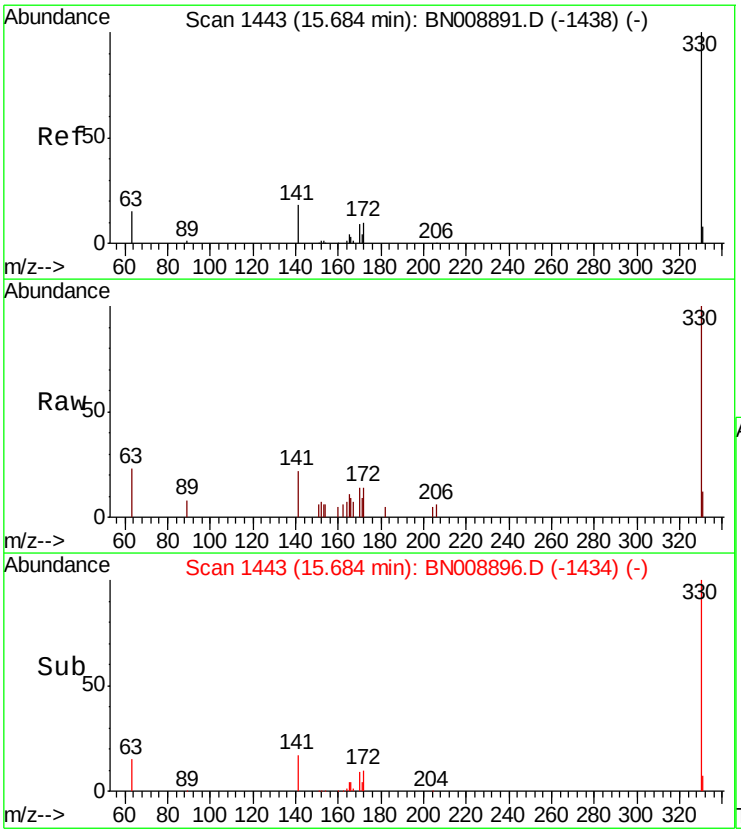
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.18 min Scan# 1308
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Instrument :
BNA_N
ClientSampleId :
ICVBN120919

Tgt Ion:164 Resp: 7714

Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.9	122.9
160	47.9	39.3	58.9

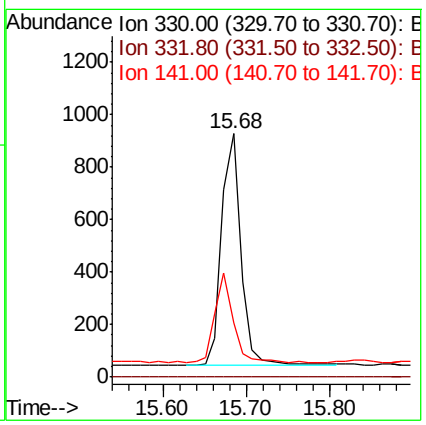


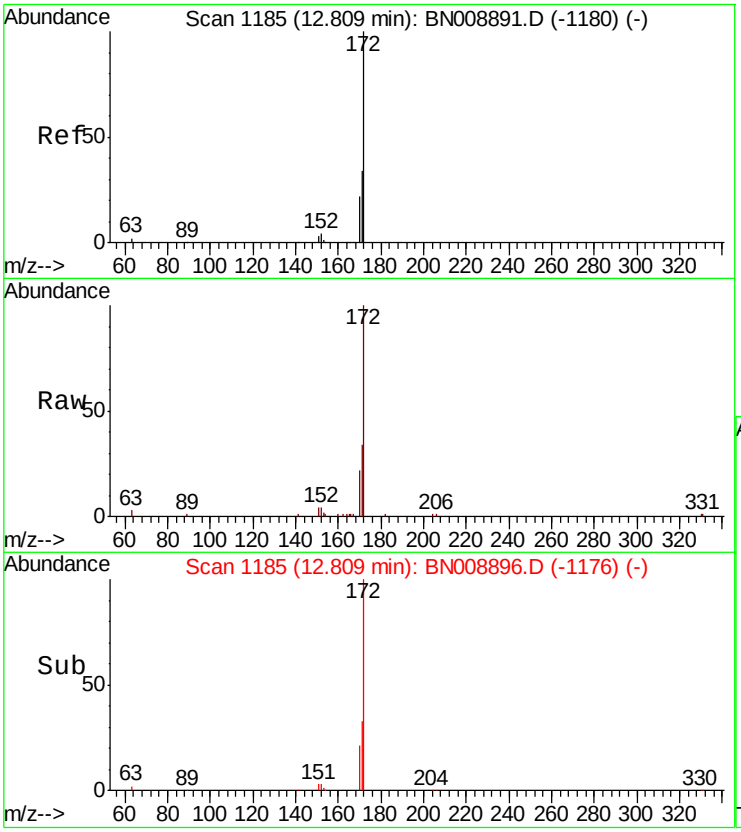


#14
2,4,6-Tribromophenol
Concen: 0.378 ng
RT: 15.68 min Scan# 1443
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Tgt Ion:330 Resp: 1398

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	36.8	29.6	44.4



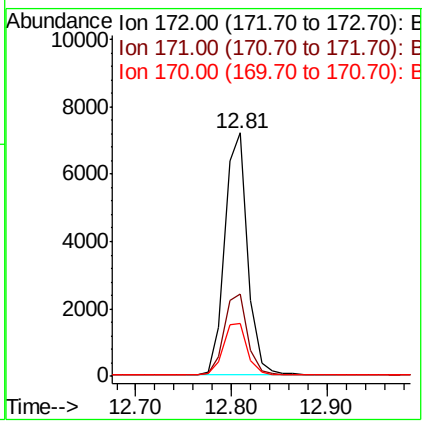


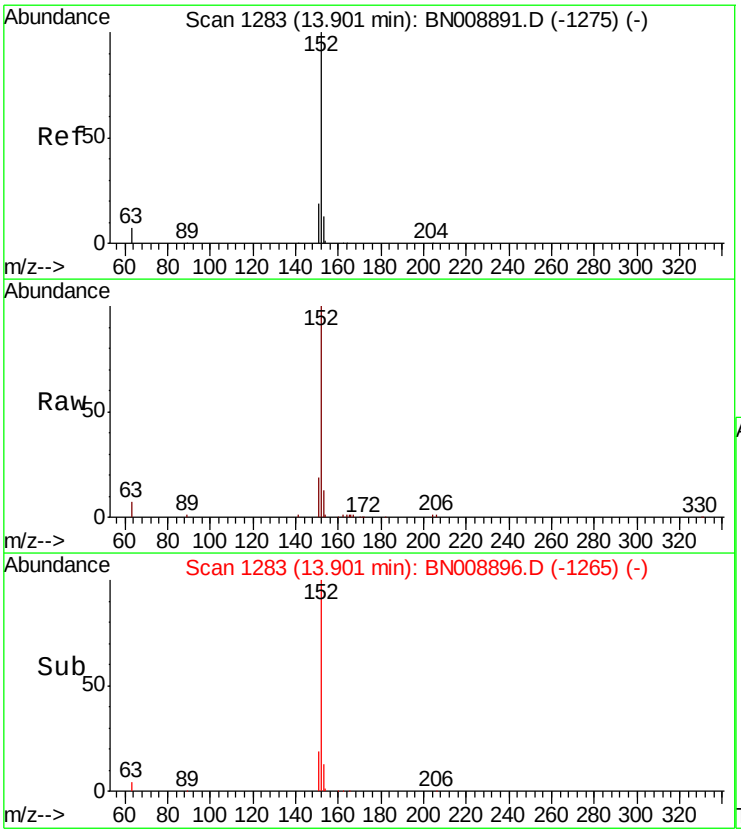
#15
2-Fluorobiphenyl
Concen: 0.408 ng
RT: 12.81 min Scan# 1185
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Instrument :
BNA_N
ClientSampleId :
ICVBN120919

Tgt Ion:172 Resp: 11948

Ion	Ratio	Lower	Upper
172	100		
171	33.7	27.1	40.7
170	21.5	17.7	26.5

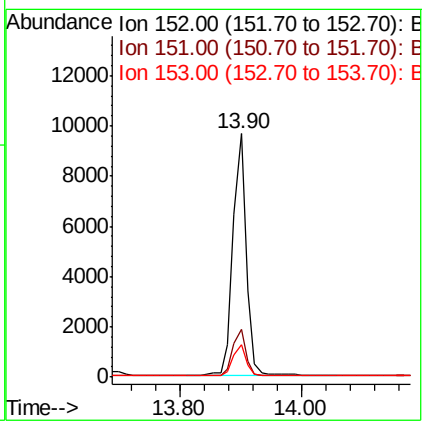


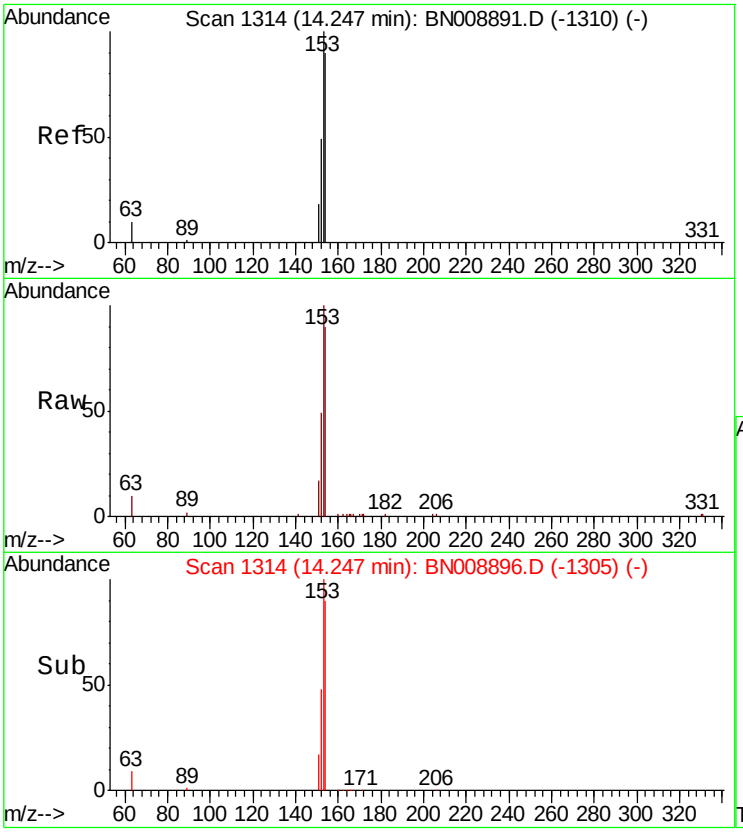


#16
Acenaphthylene
Concen: 0.418 ng
RT: 13.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Tgt Ion:152 Resp: 14742

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.3	22.9
153	12.9	10.3	15.5



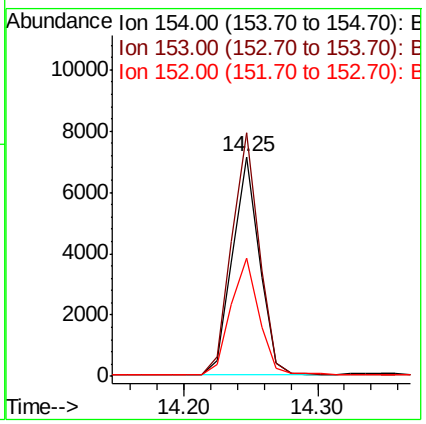


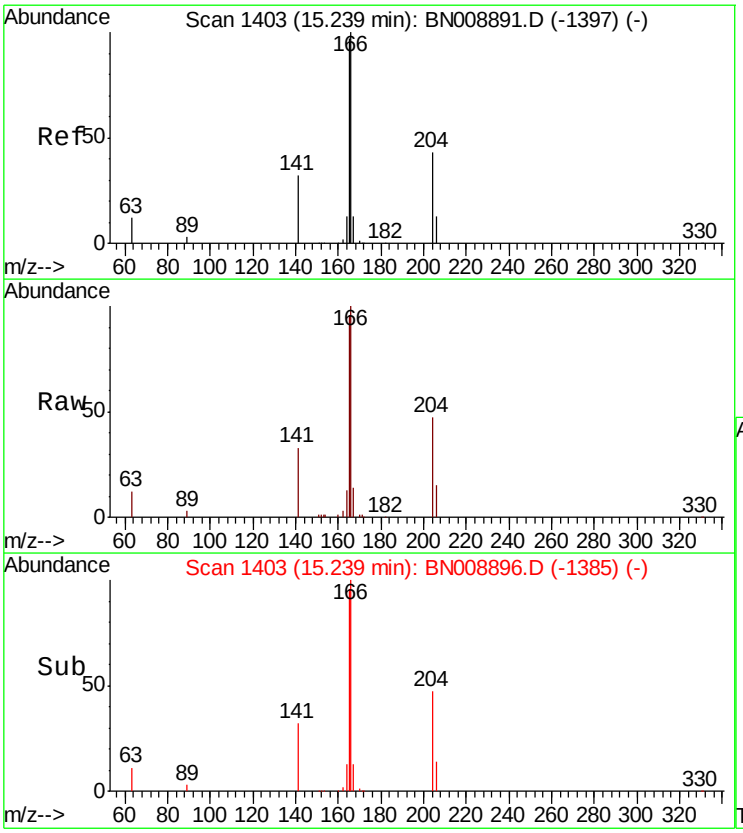
#17
Acenaphthene
Concen: 0.425 ng
RT: 14.25 min Scan# 1314
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Instrument :
BNA_N
ClientSampleId :
ICVBN120919

Tgt Ion:154 Resp: 9959

Ion	Ratio	Lower	Upper
154	100		
153	112.2	89.2	133.8
152	55.8	44.2	66.4

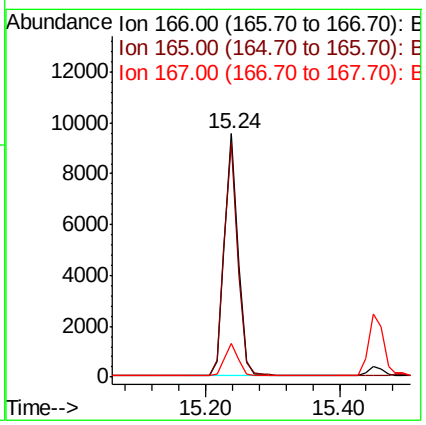


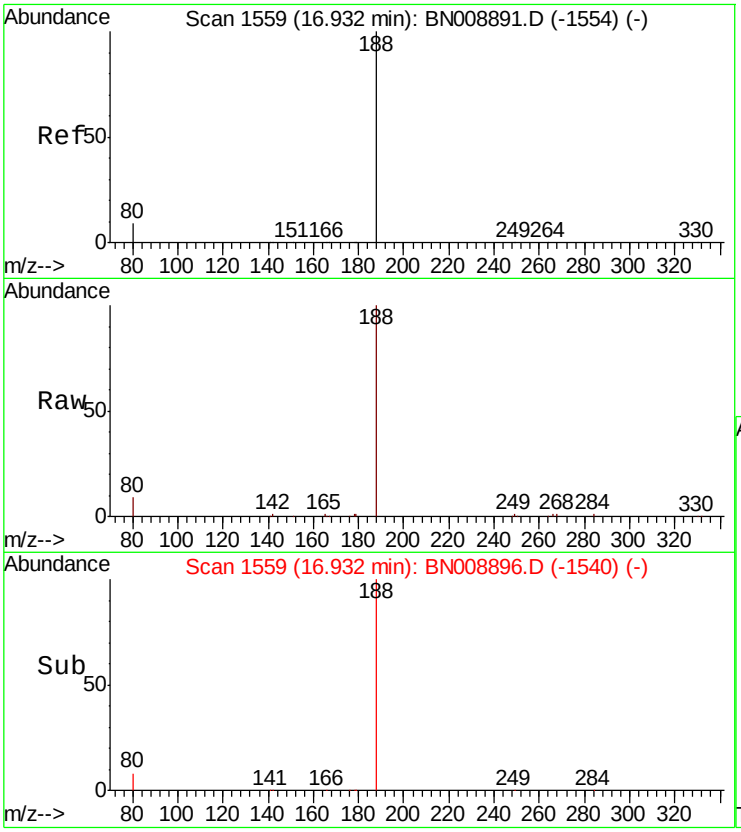


#18
Fluorene
Concen: 0.427 ng
RT: 15.24 min Scan# 1403
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Tgt Ion:166 Resp: 13462

Ion	Ratio	Lower	Upper
166	100		
165	96.6	77.3	115.9
167	13.4	10.8	16.2



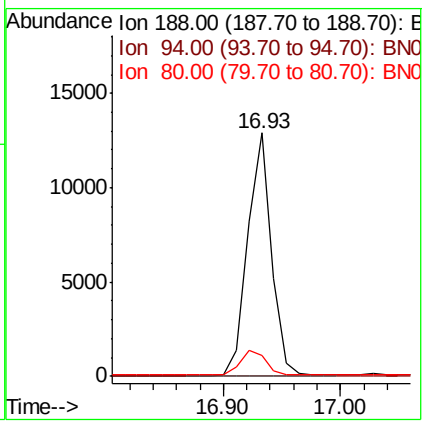


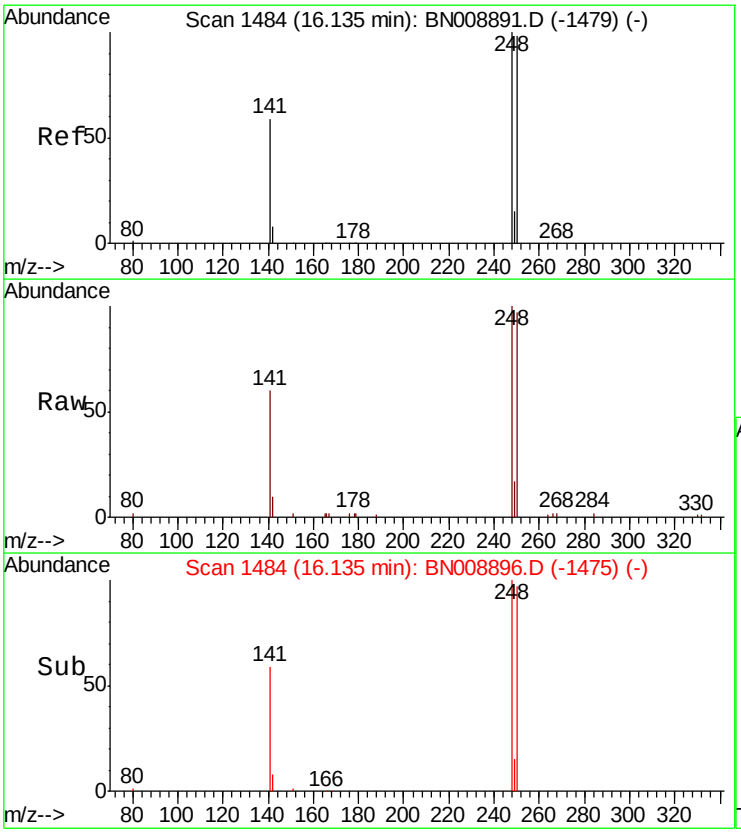
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.93 min Scan# 1559
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Instrument :
BNA_N
ClientSampleId :
ICVBN120919

Tgt Ion:188 Resp: 18199

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.7	7.3	10.9

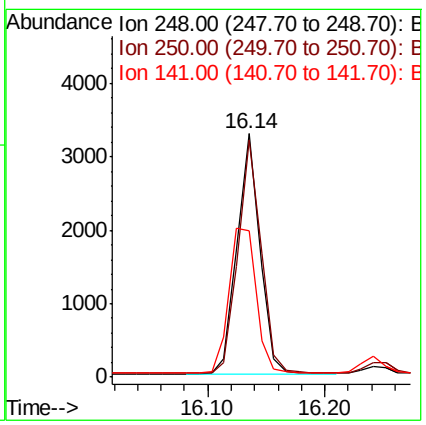


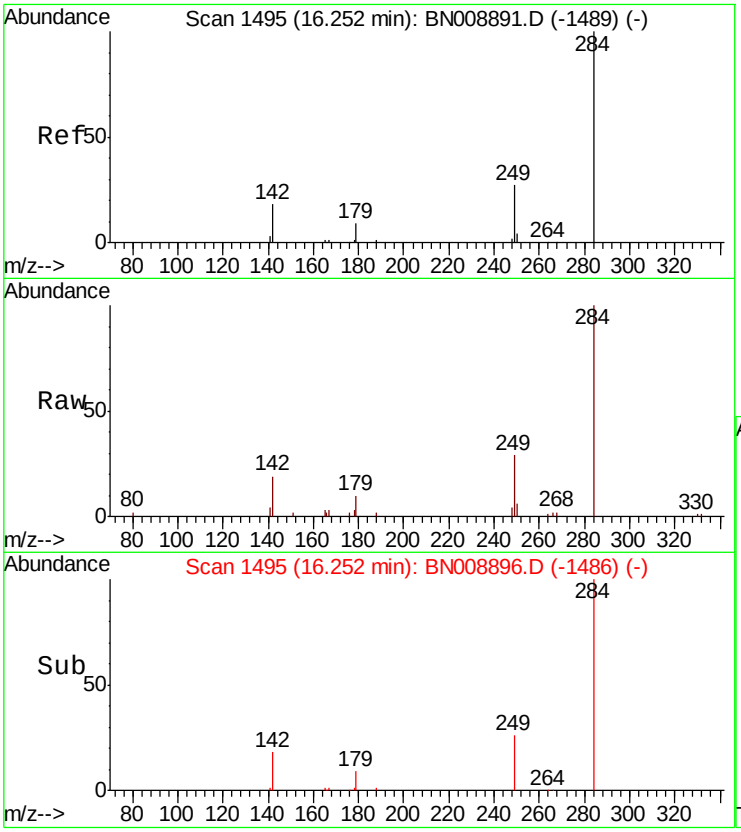


#20
4-Bromophenyl-phenylether
Concen: 0.404 ng
RT: 16.14 min Scan# 1484
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Tgt Ion:248 Resp: 4400

Ion	Ratio	Lower	Upper
248	100		
250	97.4	78.7	118.1
141	59.9	47.9	71.9



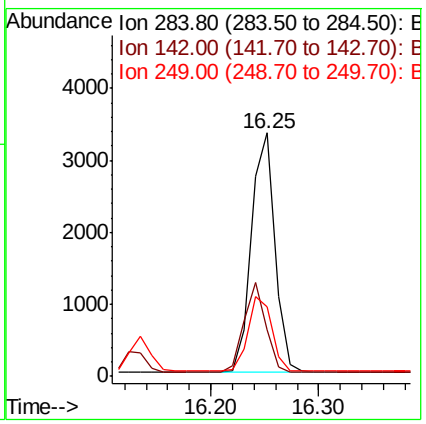


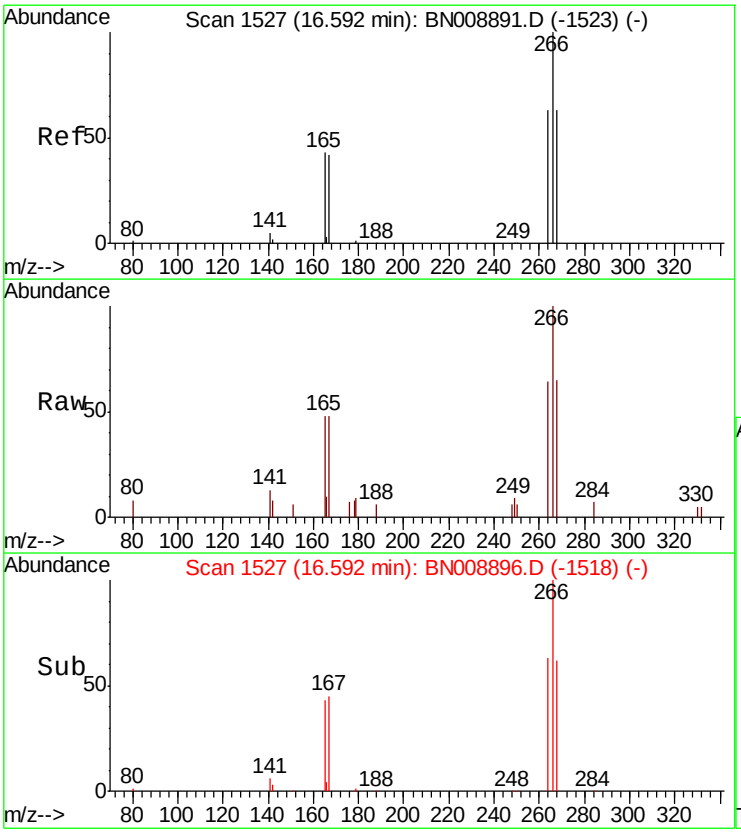
#21
Hexachlorobenzene
Concen: 0.406 ng
RT: 16.25 min Scan# 1495
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Instrument :
BNA_N
ClientSampleId :
ICVBN120919

Tgt Ion:284 Resp: 5038

Ion	Ratio	Lower	Upper
284	100		
142	35.4	27.8	41.6
249	31.8	25.3	37.9

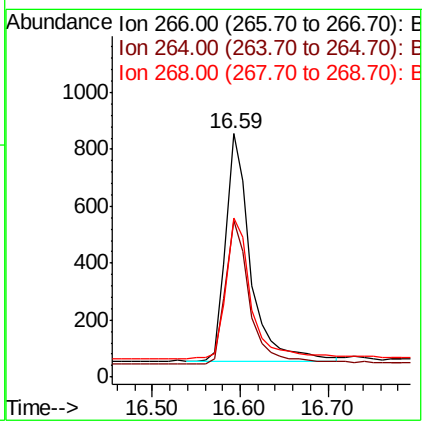


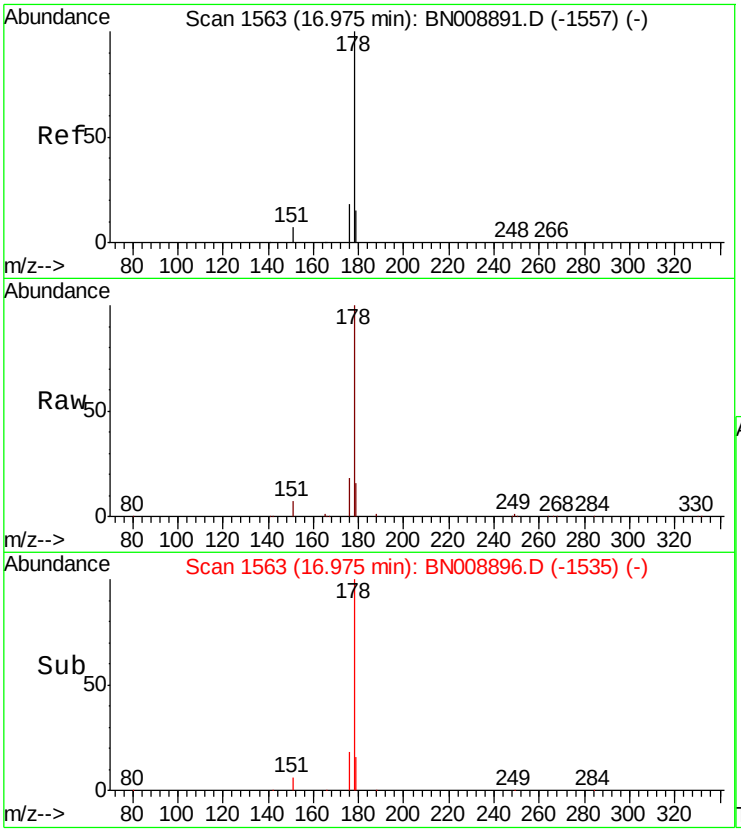


#22
Pentachlorophenol
Concen: 0.352 ng
RT: 16.59 min Scan# 1527
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Tgt Ion:266 Resp: 1575

Ion	Ratio	Lower	Upper
266	100		
264	64.1	51.5	77.3
268	65.2	53.1	79.7



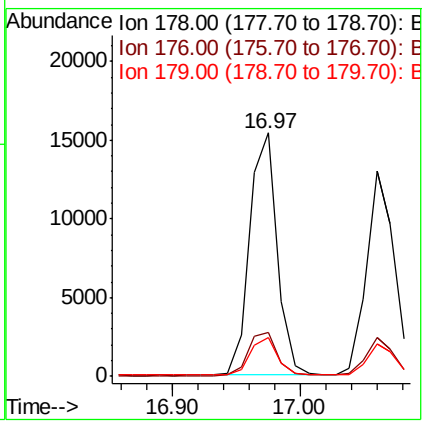


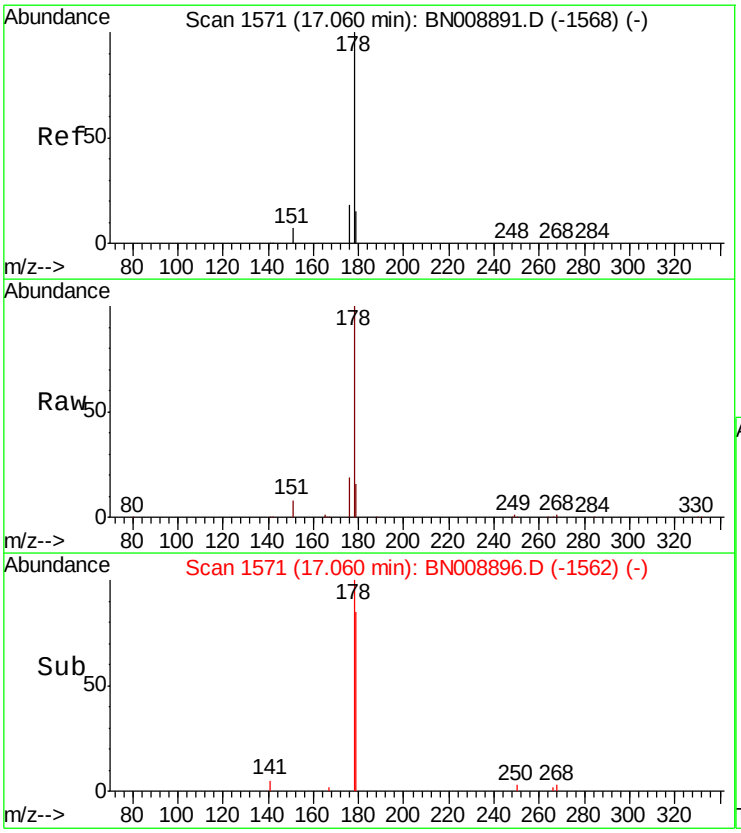
#23
Phenanthrene
Concen: 0.406 ng
RT: 16.97 min Scan# 1563
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Instrument :
BNA_N
ClientSampleId :
ICVBN120919

Tgt Ion:178 Resp: 23239

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.6	12.3	18.5

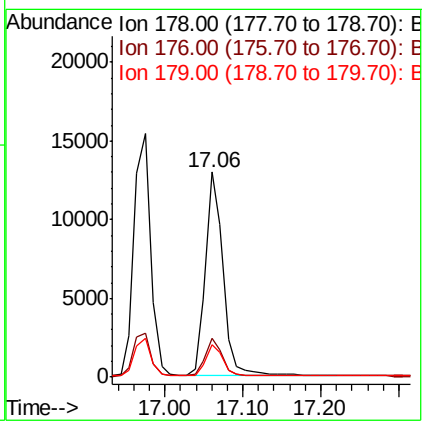


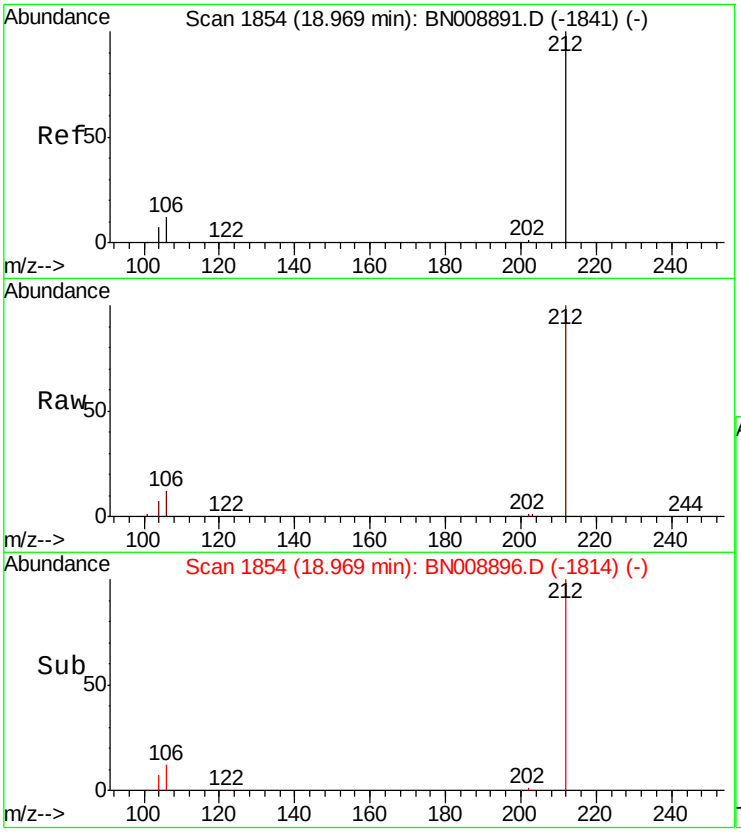


#24
Anthracene
Concen: 0.397 ng
RT: 17.06 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Tgt Ion:178 Resp: 20022

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.4	21.6
179	15.5	12.1	18.1



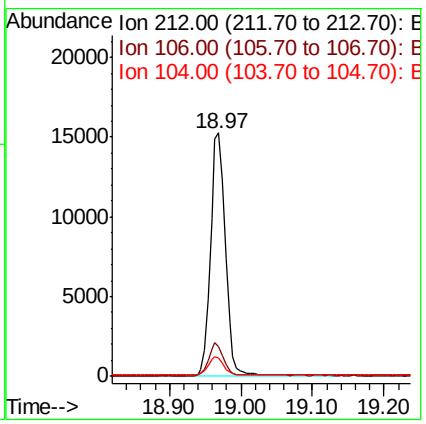


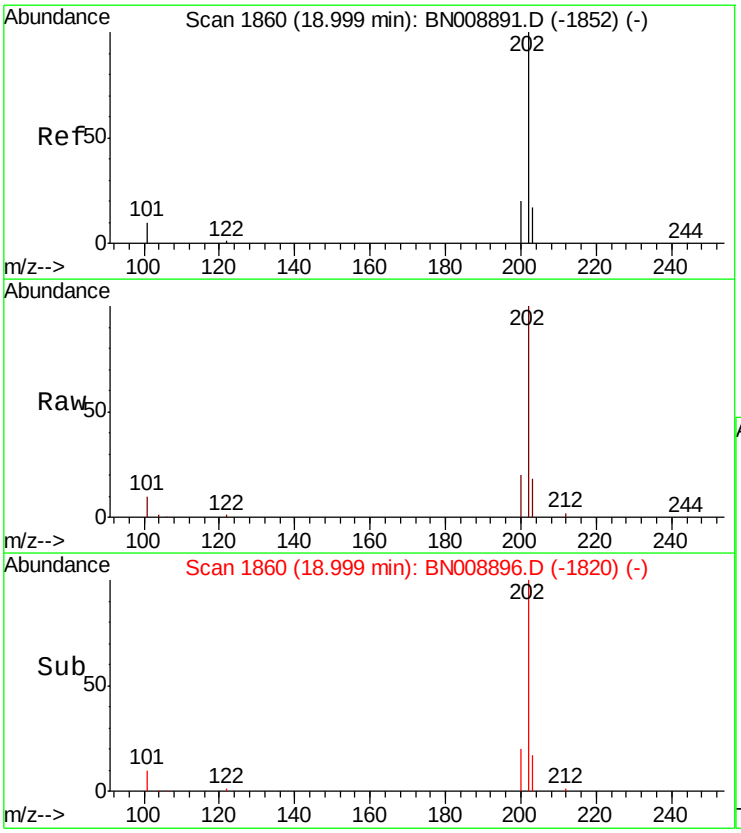
#25
Fluoranthene-d10
Concen: 0.395 ng
RT: 18.97 min Scan# 1854
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Instrument :
BNA_N
ClientSampleId :
ICVBN120919

Tgt Ion:212 Resp: 21753

Ion	Ratio	Lower	Upper
212	100		
106	12.9	10.4	15.6
104	7.5	5.9	8.9

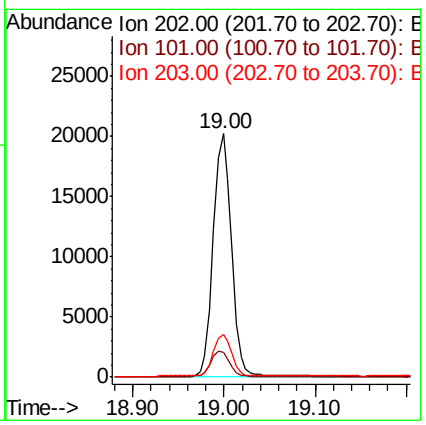


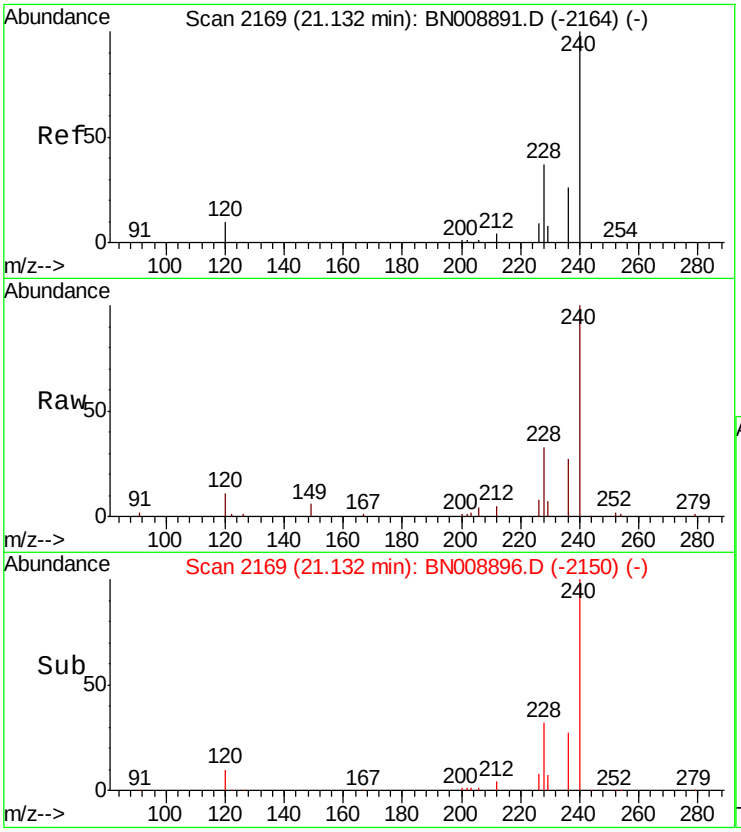


#26
Fluoranthene
Concen: 0.403 ng
RT: 19.00 min Scan# 1860
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Tgt Ion:202 Resp: 27466

Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.8	13.2
203	17.2	13.8	20.6



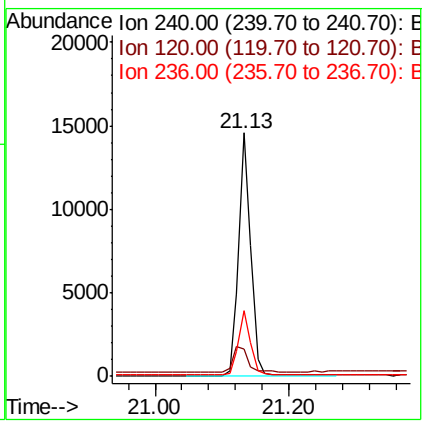


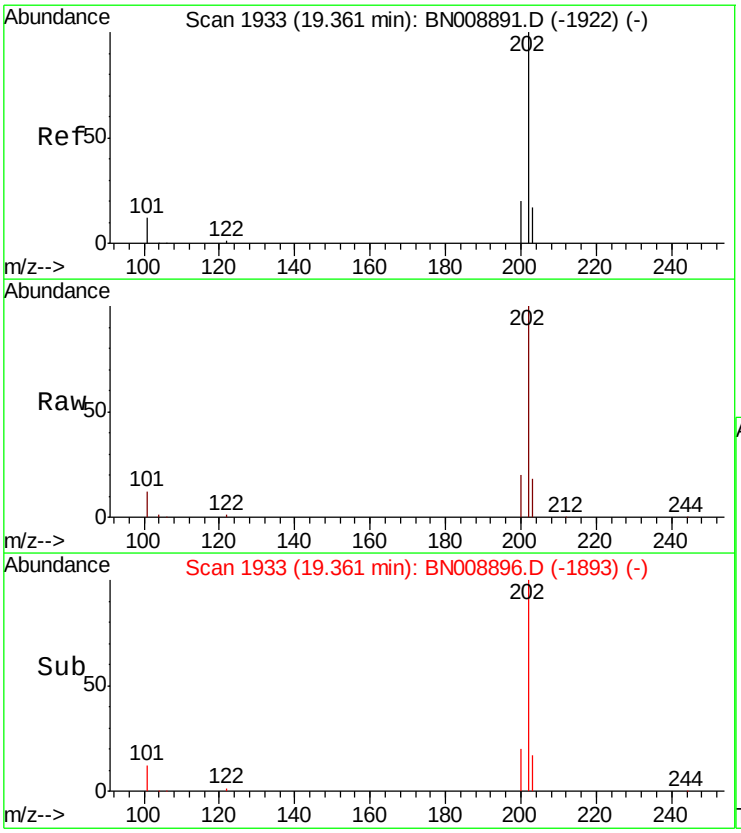
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.13 min Scan# 2169
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Instrument :
BNA_N
ClientSampleId :
ICVBN120919

Tgt Ion:240 Resp: 18414

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.1	13.7
236	27.2	21.5	32.3

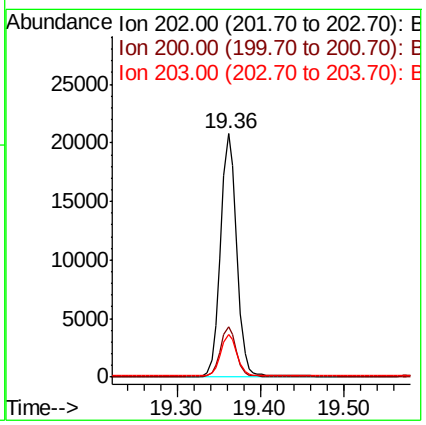


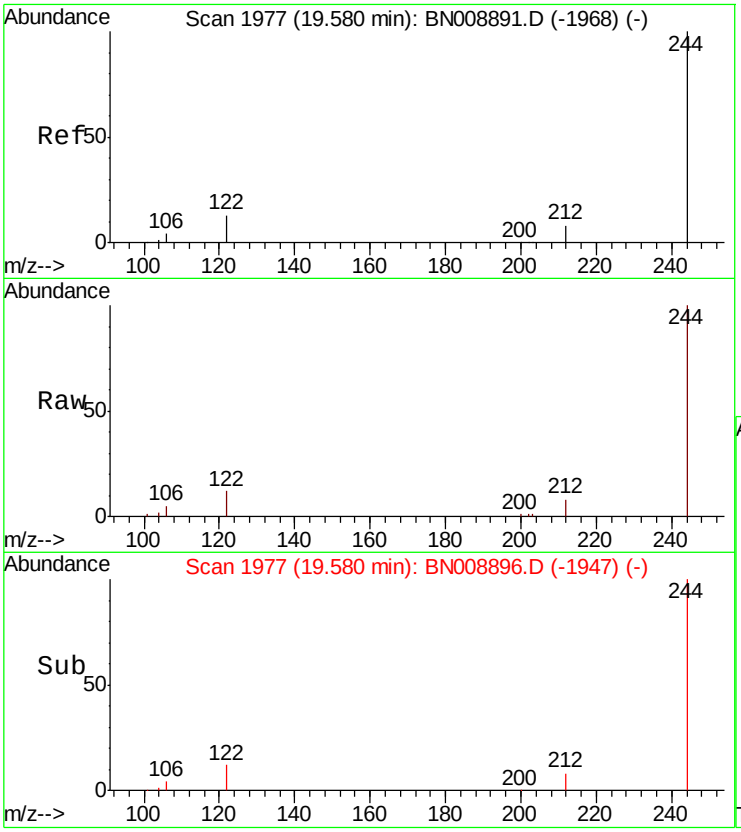


#28
Pyrene
Concen: 0.430 ng
RT: 19.36 min Scan# 1933
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Tgt Ion:202 Resp: 27731

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.1	24.1
203	17.4	13.9	20.9



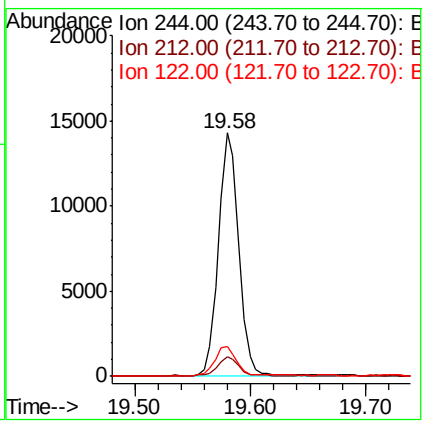


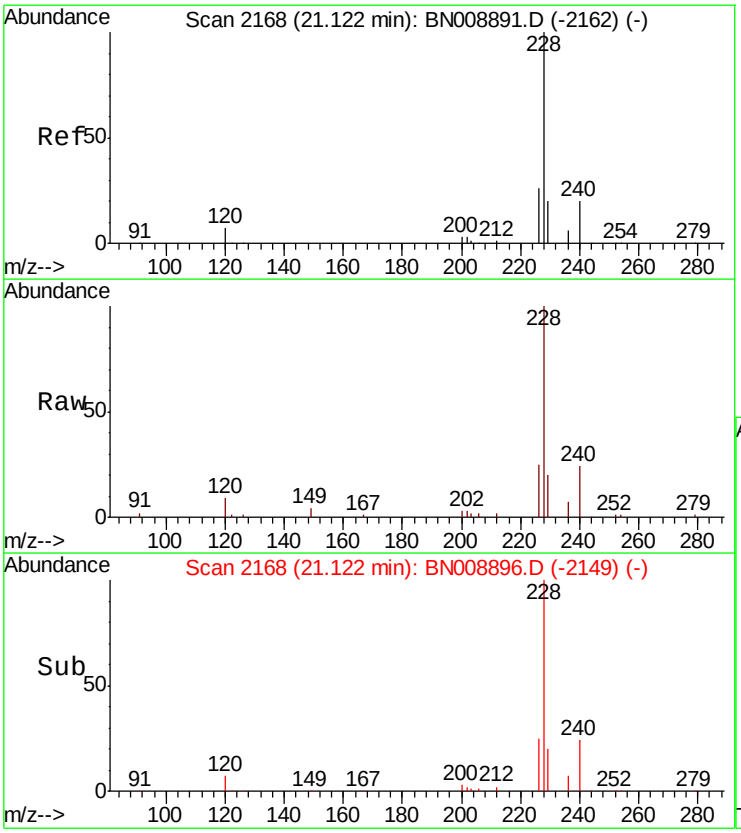
#29
Terphenyl-d14
Concen: 0.410 ng
RT: 19.58 min Scan# 1977
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Instrument :
BNA_N
ClientSampleId :
ICVBN120919

Tgt Ion:244 Resp: 17221

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.5	9.7
122	12.2	10.4	15.6

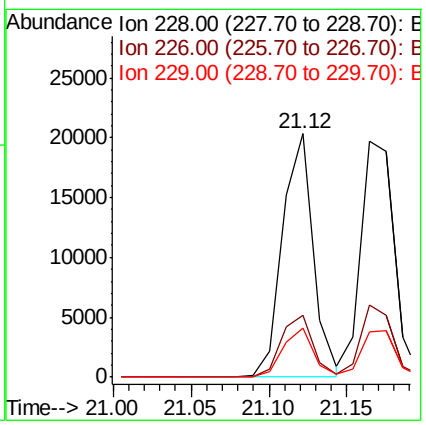


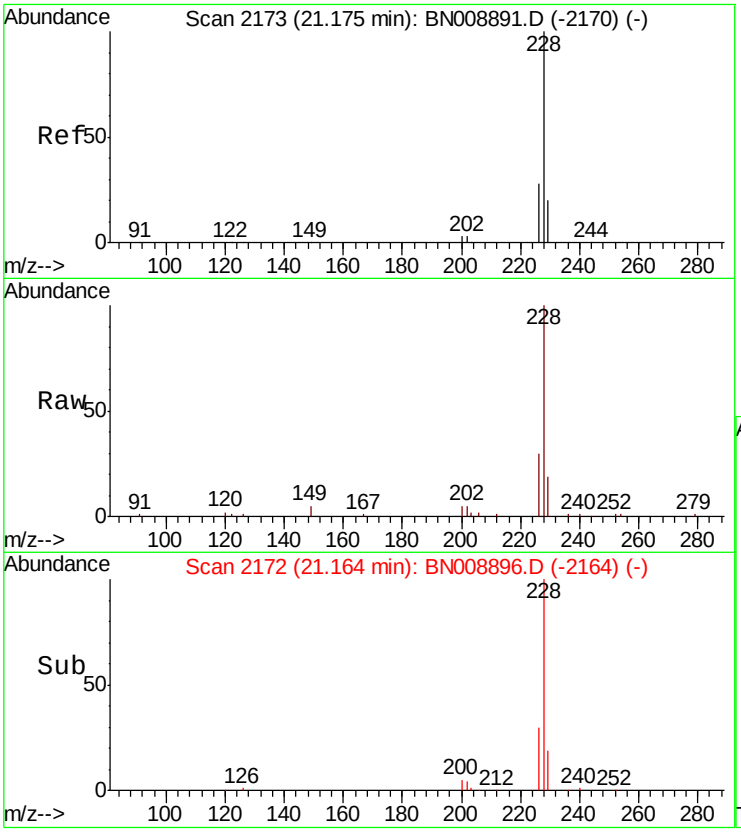


#30
Benzo(a)anthracene
Concen: 0.422 ng
RT: 21.12 min Scan# 2168
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Tgt Ion:228 Resp: 27545

Ion	Ratio	Lower	Upper
228	100		
226	25.3	20.6	30.8
229	19.9	15.9	23.9



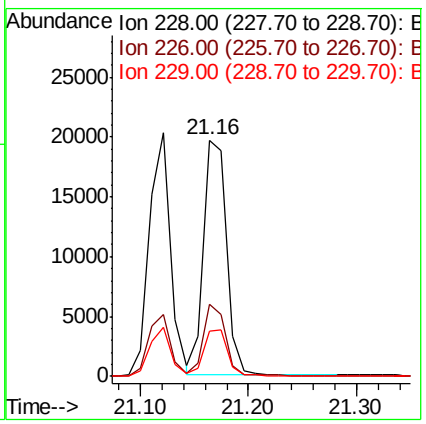


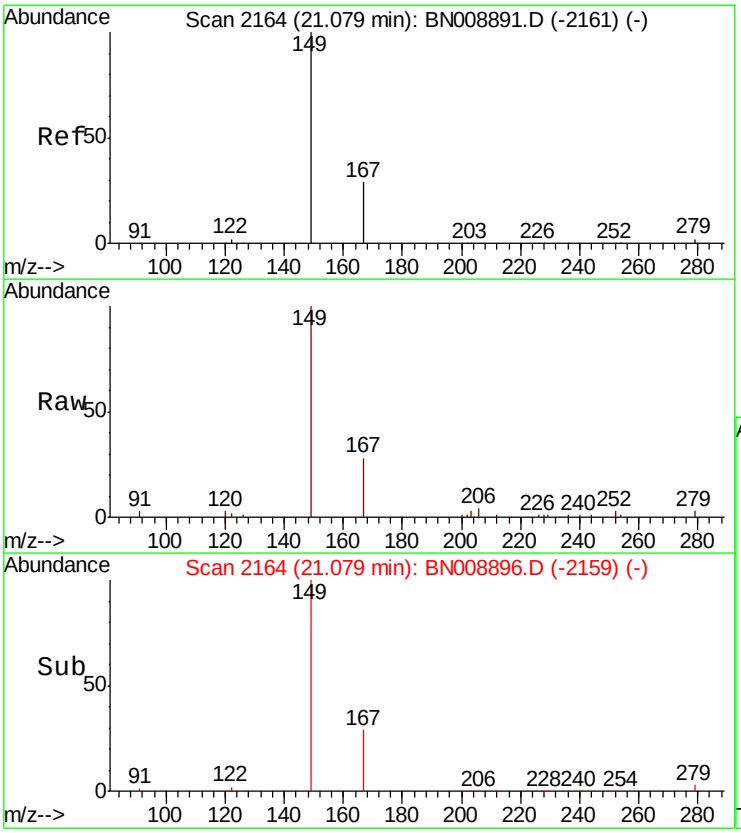
#31
Chrysene
Concen: 0.429 ng
RT: 21.16 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Instrument :
BNA_N
ClientSampleId :
ICVBN120919

Tgt Ion:228 Resp: 29046

Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.2	33.4
229	19.2	15.9	23.9

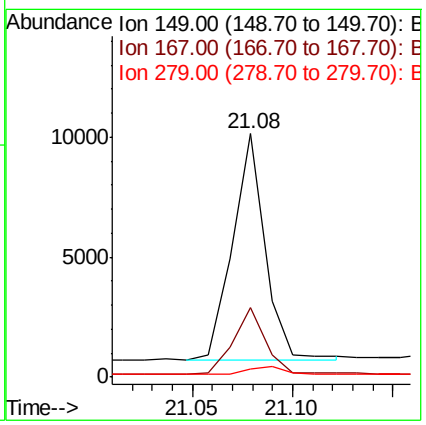


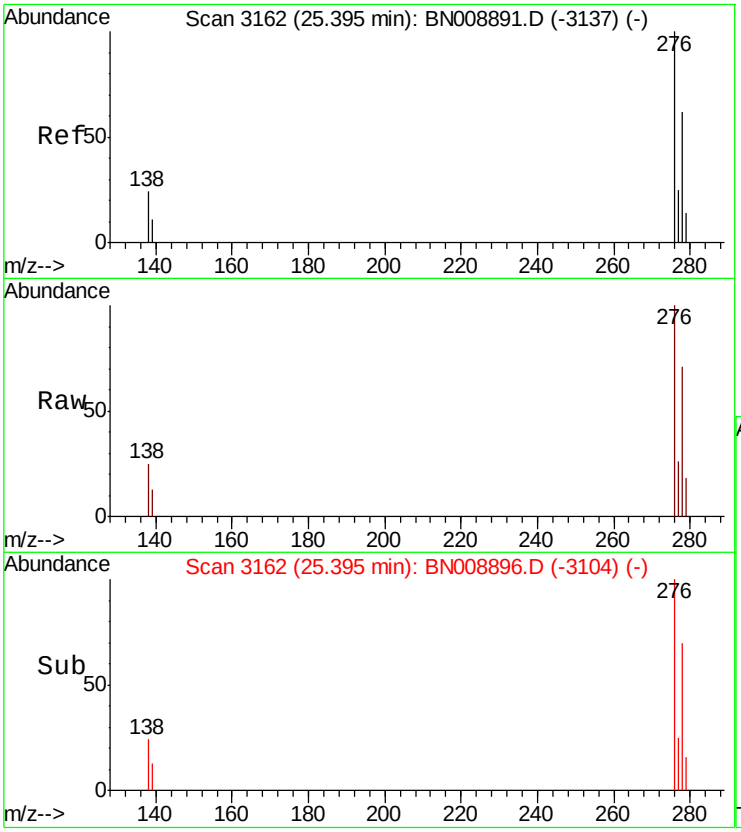


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.347 ng
RT: 21.08 min Scan# 2164
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Tgt Ion:149 Resp: 10608

Ion	Ratio	Lower	Upper
149	100		
167	28.5	22.7	34.1
279	3.9	3.3	4.9



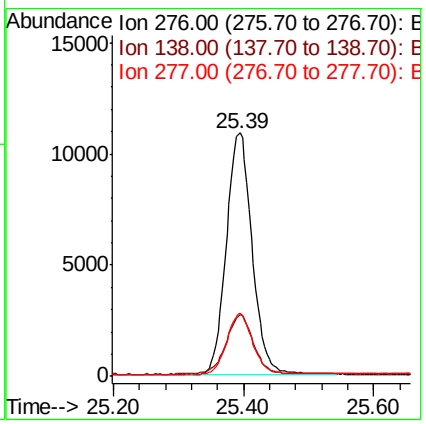


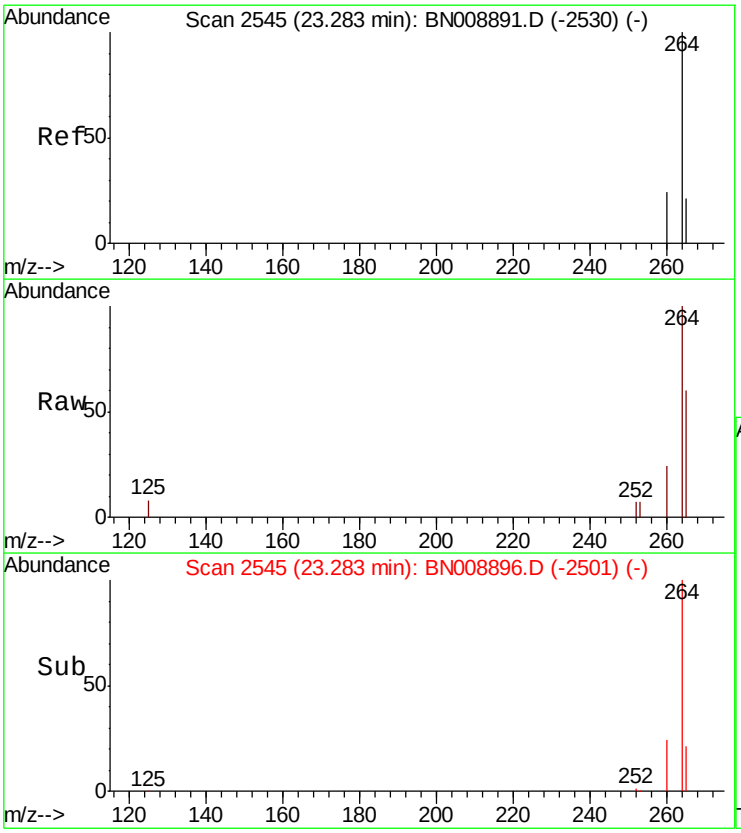
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.424 ng
RT: 25.39 min Scan# 3162
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Instrument :
BNA_N
ClientSampleId :
ICVBN120919

Tgt Ion:276 Resp: 30370

Ion	Ratio	Lower	Upper
276	100		
138	25.9	19.9	29.9
277	24.9	19.8	29.8

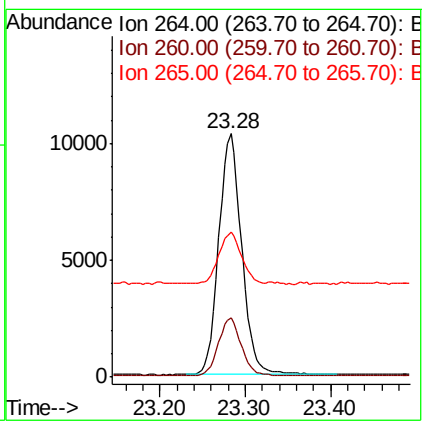


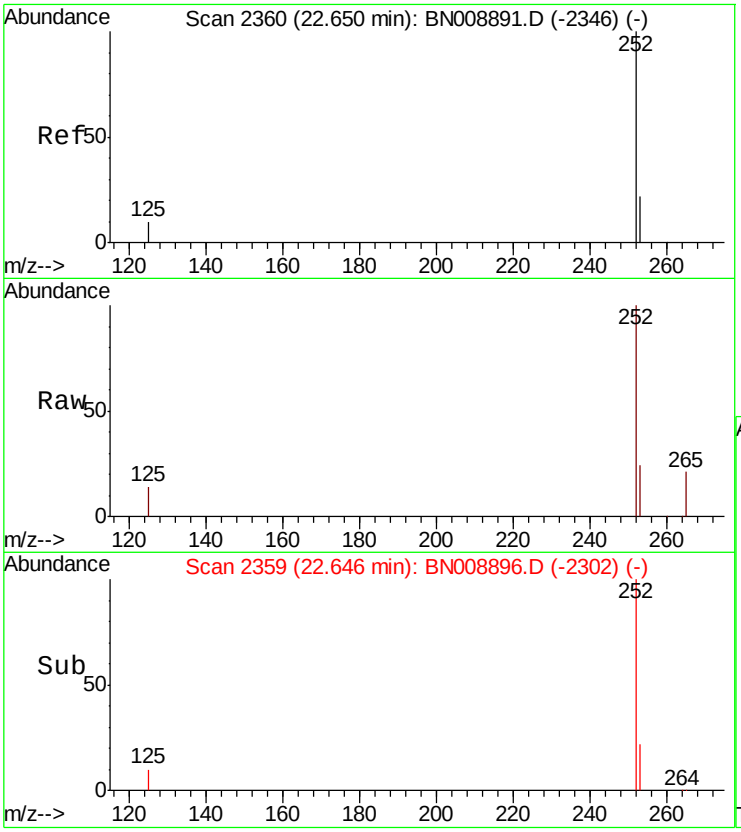


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.28 min Scan# 2545
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Tgt Ion:264 Resp: 19259

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.0
265	59.6	47.5	71.3



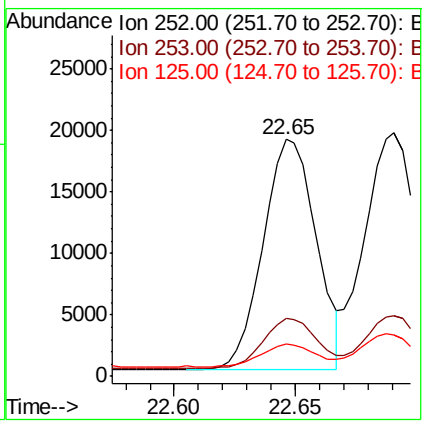


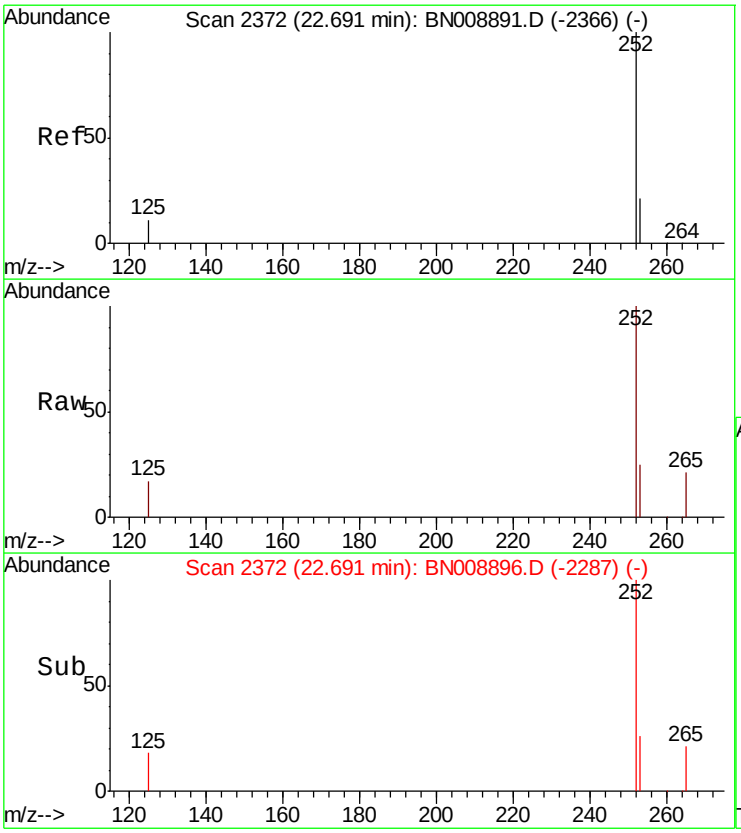
#35
Benzo(b)fluoranthene
Concen: 0.417 ng
RT: 22.65 min Scan# 2359
Delta R.T. -0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Instrument :
BNA_N
ClientSampleId :
ICVBN120919

Tgt Ion:252 Resp: 28749

Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.8	29.6
125	13.7	10.8	16.2

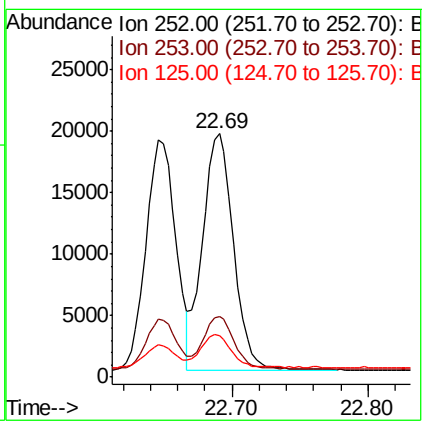


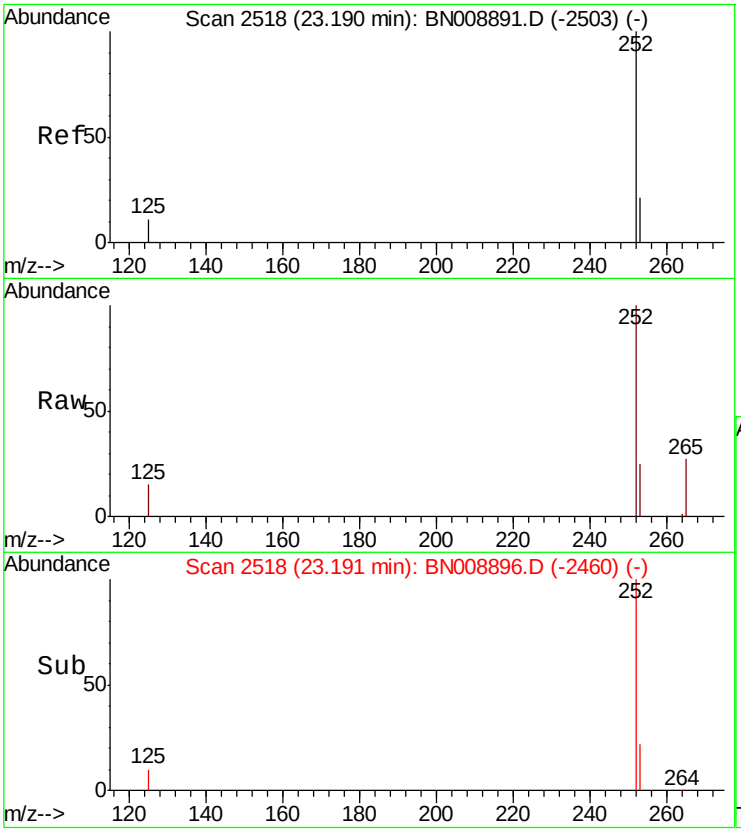


#36
Benzo(k)fluoranthene
Concen: 0.437 ng
RT: 22.69 min Scan# 2372
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Tgt Ion:252 Resp: 30347

Ion	Ratio	Lower	Upper
252	100		
253	25.1	19.2	28.8
125	17.1	11.6	17.4



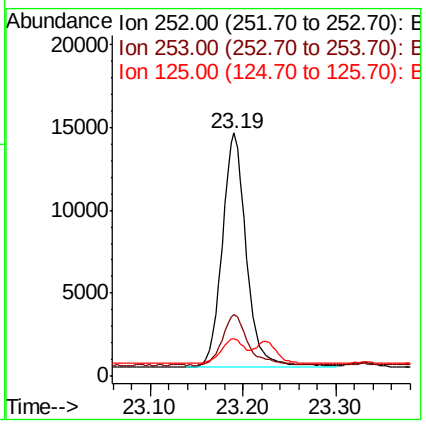


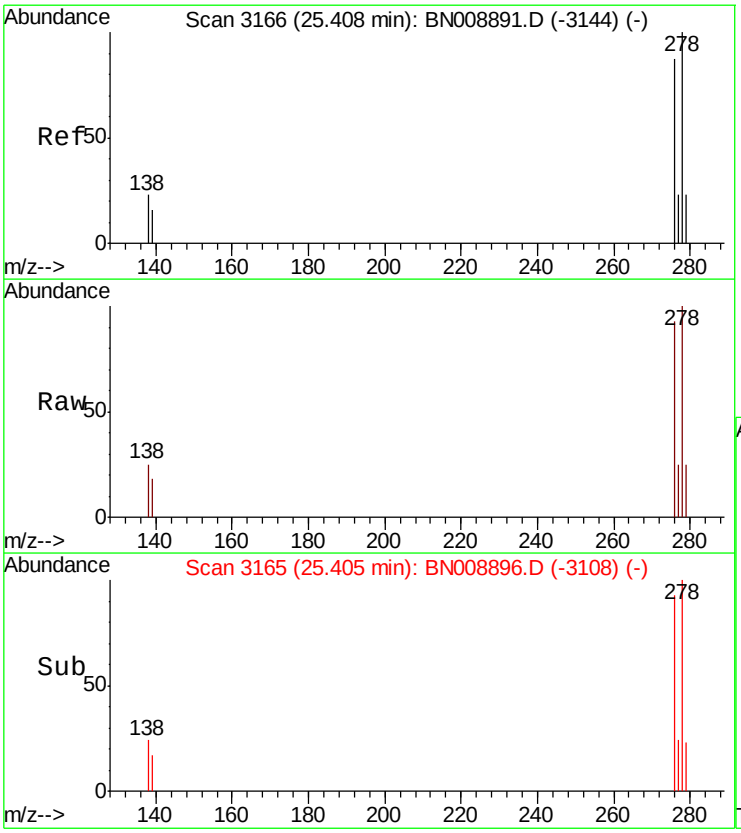
#37
Benzo(a)pyrene
Concen: 0.418 ng
RT: 23.19 min Scan# 2518
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Instrument :
BNA_N
ClientSampleId :
ICVBN120919

Tgt Ion:252 Resp: 25908

Ion	Ratio	Lower	Upper
252	100		
253	25.4	19.9	29.9
125	15.4	12.3	18.5

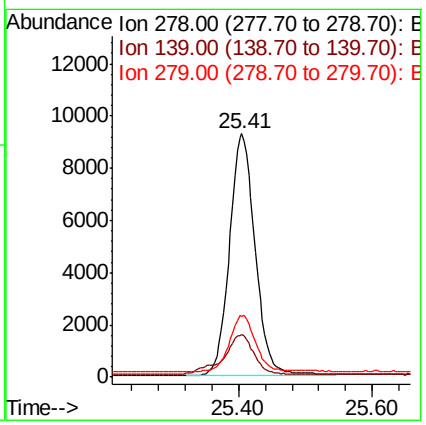


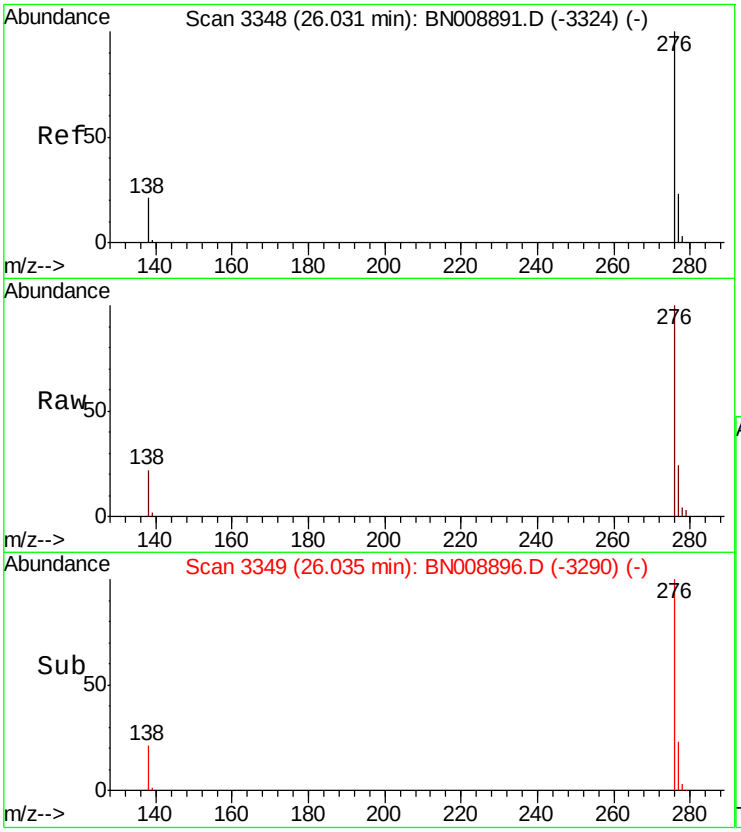


#38
Dibenzo(a,h)anthracene
Concen: 0.424 ng
RT: 25.41 min Scan# 3165
Delta R.T. -0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Tgt Ion:278 Resp: 24629

Ion	Ratio	Lower	Upper
278	100		
139	17.6	13.9	20.9
279	25.1	20.2	30.4





#39
Benzo(g,h,i)perylene
Concen: 0.424 ng
RT: 26.03 min Scan# 3349
Delta R.T. 0.00 min
Lab File: BN008896.D
Acq: 09 Dec 2019 17:49

Instrument :
BNA_N
ClientSampleId :
ICVBN120919

Tgt Ion:276 Resp: 24287

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.4	29.2
138	22.1	17.8	26.6